



ADDENDUM NO. 3

February 18, 2020

TO: ALL PLANHOLDERS

RE: HIGH SCHOOL #13

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated January 7, 2020. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

Addendum No.3 consists of one hundred twenty-four (124) pages, including this cover letter.

18 February 20

Addendum No. 3

High School #13

Howard County Public School System
Bid Number: 016.20.B4

The following is intended to clarify, correct, revise, and restate various parts of the Drawings and Specifications all of which shall form part of this Contract.

Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bid to be considered as non-responsive.

CHANGES TO SPECIFICATIONS:

00 0000 TABLE OF CONTENTS

DELETE 08 51 13 ALUMINUM WINDOWS

05 5000 METAL FABRICATIONS

REPLACE Article 2.21 PREFINISHED METAL BENCHES with the following:

2.21 PRE-FINISHED METAL BENCHES

Pre-finished steel benches shall be as manufactured by Victor Stanley (301.855.8300) or approved equal. All metal components shall have a polyester powered coating as selected by the Architect.

- A. Where indicated on Architectural Drawings, interior pre-finished steel benches shall be Model FBF-53 from the Street Sites Collection. Bench shall be backless and armless. See A-100 series drawings for bench length. See 5/A-580 for mounting detail.
- B. Where indicated on Architectural Drawings, exterior curved pre-finished steel benches without backs shall be Model FRB-2 from the Steelsites Collection, custom radius bench. Fabricate to length and radii indicated on drawings. Furnish legs for in-ground mounted with 12" diameter by 36" deep concrete footing at each vertical support. See A-880 series drawings for quantity and lengths. See 9/A-580 for mounting detail.
- C. Where indicated on Architectural Drawings, exterior curved pre-finished steel benches shall with backs shall be Model NRBI-225 and NRBO-225 from the Steelsites Collection, custom radius bench. Fabricate to length and radii indicated on drawings. Furnish legs for in-ground mounted with 12" diameter by 36" deep concrete footing at each vertical support. See drawings for quantity and lengths. See 9/A-580 for mounting detail.
- D. Where indicated on Architectural Drawings, exterior pre-finished steel bench shall be Model FRB-6 from the Steelsites Collection. Bench shall be backless and armless. Furnish legs for in-ground mounted with 12" diameter by 36" deep concrete footing at each vertical support. See A-880 series drawings for quantity. See 9/A-580 for mounting detail.

06 2000 FINISH CARPENTRY**REVISE**Line item in 1.02 Scope

From: Wood blocking at exterior curtainwall and storefront window heads for venetian blinds

To: Wood blocking at exterior curtainwall and storefront window heads for **sunscreen shades**08 1100 METAL DOORS AND FRAMES**ADD**

The following sentence to the end of paragraph 2.03.H:

Depth of hollow metal panels shall be 1 3/4" to match the depth of metal doors.

08 3400 SPECIAL FUNCTION DOORS**REVISE**Last word of first paragraph for article 2.01 Rolling Counter Doors as follows:

From: (three)

To: **(two)**08 4113 ALUMINUM ENTRANCES AND STOREFRONTS**DELETE**second paragraph of Article 1.02 Related work specified in other sections

Section 08 5113 / ALUMINUM WINDOWS for project-out / fixed aluminum windows and horizontal sliding aluminum windows that are not part of the storefront or curtain wall system.

REVISEthe second sentence of Article 1.01 Description

From: All openings are fixed lite or window vent openings.

To: All openings are fixed lite, window vent openings, **or horizontal slider.****ADD**2.11 Horizontal slider window

Where indicated on the drawings, aluminum horizontal slider window shall be 8400TL thermal window as manufactured by Kawneer Company, Inc or approved equal. Provide 4" frame, thermal barrier, stainless steel anchors and reinforcing members meeting ASTM B 633. Sealant to be manufacturer's standard permanently elastic, non-shrinking, and non-migrating type recommended by manufacturer. Interior glazing shall be snap-in type glazing beads with an interior gasket in accordance with AAMA 702 or ASTM C864. Provide manufacturer's standard hardware fabricated from aluminum, stainless steel or other corrosion-resistant compatible with aluminum. Interior face trim shall snap-fit onto concealed mounting clip. Exposed fasteners shall not be accepted. The mounting clip shall be extruded aluminum. Trim clips shall be provided in 4" lengths and spaced 18" maximum center to center.

DELETEThe following sentence from Article 2.03 Performance:

Water penetration shall be tested in accordance with ASTM E 331 with no water penetration at a test pressure of 15 PSF for 1600 UT system and 10 PSF for the 451 UT System.

08 5113 ALUMINUM WINDOWS**DELETE** This specification section in its entirety.08 7100 DOOR HARDWARE**ADD** Hardware Group No. 33 For use on Door#(s):
S20 S21

Provide each SGL Chain Link Gate with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1 EA	PANIC HARDWARE	WH-98-EO	630	VON

08 8100 GLASS GLAZING**REVISE** All references to glazing types in Paragraph 2.02.A Insulating tempered glass as follows:From: Type '1'
To: Type '2'**REVISE** All references to glazing types in Paragraph 2.02.B Low 'E' insulating tempered glass (North facing - Exterior) as follows:From: Type '2'
To: Type '3'**REVISE** All references to glazing types in Paragraph 2.02.C (Type '4') Low 'E' insulating tempered glass (South, East, West facing - Exterior) as follows:From: Type '3'
To: Type '4'**REVISE** First sent end Paragraph 2.04.B in section for 2.04 Laminated glass

From: B. The exterior glazing as indicated on the drawings at all entrance vestibules and at all exterior glazing up to 7'-0" above grade shall be 3/4 -inch thick laminated sealed insulated glass with two-ply laminated glass outboard lite.

To: B. The exterior glazing as indicated on the drawings at all entrance vestibules and at all exterior glazing up to 7'-0" above grade shall be **1-inch** thick laminated sealed insulated glass with two-ply laminated glass outboard lite.09 6500 RESILIENT FLOORING**DELETE** Article 2.06 Rubber Treads in its entirety.09 6800 CARPETING**ADD** Article 1.07 Field Conditions

- A. Maintain ambient temperature in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 65 degrees F or more than 85 degrees F. Coordinate with WVRA manufacturer requirements.
- B. Maintain relative humidity in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 40 percent and not more than 60 percent. Coordinate with WVRA manufacturer requirements.

ADDArticle 1.08 Warranty

Refer to Section 03 3000 - Cast-In-Place Concrete for WVRA Manufacturer's Warranty requirements.

11 6600 ATHLETIC EQUIPMENT**REVISE**

The eight sentence in paragraph Article 2.01.A for Basketball backstop assemblies to read as follows:

From: Furnish with integral height adjustment feature and self-resetting restraint device.

To: Furnish with integral **electric, key-operated, height adjustment** feature and self-resetting restraint device.

ADD

The following sentence to end of paragraph 2.01.C:

Basketball goal to be movable, breakaway type with manufacturer's standard breakaway mechanism and rebound characteristics identical to those of fixed non-movable ring, consisting of positive-lock breakaway design, including pressure release, set to release at 230-lb (105-kg) load and automatic reset.

DELETE

Paragraph 2.04.B for badminton anchor plates in its entirety

DELETE

Article 2.06 Climbing board in its entirety.

ADD

The following sentence to end of Article 2.08:

See Technology drawing T-116 for additional items requiring wire guard protection.

REVISE

Article 2.09 Safety Corner Pads as follows:

From: At auditorium catwalks, provide Porter Athletic Equipment model 00355-600 or Performance Sports Systems model 4300 corner pads to cover exposed structural steel members or mechanical piping that are below 6'-8" above catwalk decking. Pads shall be 1-1/4" thick ethafoam covered with vinyl coated fabric and velcro self-adhesive strips for attachment.

To: At auditorium catwalks, provide Porter Athletic Equipment model **455012** or Performance Sports Systems model **4310** to cover exposed **outside corners** that are below 6'-8" above the catwalk decking. Pads shall be **2" thick foam covered with vinyl coated fabric. Cover shall be mildew and rot resistant, fortified with an infection combating fungicide. The cover material shall be certified as flame retardant. Provide** velcro self-adhesive strips for attachment.

12 6623 TELESCOPING PLATFORMS AND CHAIRS

ADD The following to Paragraph 1.05.B for shop drawings:

3. Submit design and calculations signed and sealed by a professional engineer registered in the State of Maryland.

REVISE Paragraph 2.01.A.9 for 2.01 Telescoping platform and chair system as follows:

From: Chair Construction: upholstered seat, **polymer** back.

To: Chair Construction: upholstered seat and back.

12 7100 AUDITORIUM SEATING

REVISE The first sentence in Paragraph 2.01.C as follows:

From: Chair seats shall be no. 5 Marquee molded plastic seat with upholstered insert.

To: Chair seats shall be no. 5 Marquee molded plastic seat with **3" thick foam** upholstered insert.

32 3000 SITE IMPROVEMENTS

ADD The following paragraph to Article 1.03 RELATED WORK SPECIFIED IN OTHER SECTIONS:

- F. Pre-finished metal bench specifications is in section 05 5000 / METAL FABRICATIONS

33 0000 ON-SITE AND OFF-SITE UTILITIES

ADD The follow sentence to the end of article 2.03 Special pipe couplings and fittings:

Fernco coupler to be utilized for connections between SRPE and HDPE.

CHANGES TO DRAWINGS:**C-3** SITE PLAN

REPLACE Entire drawing with attached C-3 SITE PLAN, dated 18 February 20 to reflect the following changes:

- ADD** Accessory Building labels and elevations.
- ADD** Clean-outs to the track under-drain.
- ADD** Asphalt path labels
- ADD** “Existing rip-rap to be removed” label.
- ADD** WHC to Concession Stand.
- ADD** Missing contour labels
- ADD** Missing pipe labels
- ADD** Concrete walk label.
- ADD** Various spot elevations and slopes in the parking area.
- REVISE** Hatch for track rubberized surface
- ADD** Detail labels for track.

C-4 SITE PLAN

REPLACE Entire drawing with attached C-4 SITE PLAN, dated 18 February 20 to reflect the following changes:

- REVISE** Building elevation in Alternate – Child Development Center detail.
- ADD** Storm drain pipe label
- ADD** Sign and softball scoreboard labels
- ADD** Missing contours elevations, spot elevations, and slopes in plan and detail.
- ADD** Pathway label with width.
- ADD** Missing road width dimension.
- REVISE** Water main, fire hydrant, and easement near dumpsters and drive isle.
- ADD** Missing sidewalk hatch.

C-5 SITE PLAN

REPLACE Entire drawing with attached C-5 SITE PLAN, dated 18 February 20 to reflect the following changes:

- ADD** Storm drain pipe label.
- ADD** Missing contours, contour elevations, and spot elevations
- ADD** Spot elevations around multi-purpose field.
- ADD** Pathway label with width.
- ADD** Flow arrow in swale
- ADD** “Existing rip-rap to be removed” label.

C-6 SITE PLAN

REPLACE Entire drawing with attached C-6 SITE PLAN, dated 18 February 20 to reflect the following changes:

- ADD** Street light label at entrance into parking area & bus loop and 36 foot paving width dimensions.

C-8 GEOMETRY PLAN

REPLACE Entire drawing with attached C-8 GEOMETRY PLAN, dated 18 February 20 to reflect the following changes:

- ADD** Pathway label with width.

ADD	Accessory Building labels and elevations.
ADD	Clean-outs to the track under-drain.
ADD	Detail I3 & 5 labels to plan view in the area around the bleachers and the track.
ADD	WHC to Concession Stand.
ADD	Concrete walk label.
ADD	Spot elevations in the parking area.
REVISE	Hatch for track rubberized surface
ADD	Missing storm drain pipe labels.

C-9 GEOMETRY PLAN

REPLACE Entire drawing with attached C-9 GEOMETRY PLAN, dated 18 February 20 to reflect the following changes:

REVISE	Building elevation in Alternate – Child Development Center detail.
ADD	Pathway label with width.
ADD	Missing sidewalk hatch.
ADD	Softball scoreboard.
REVISE	Water main, fire hydrant, and easement near dumpsters.

C-11 GEOMETRY PLAN

REPLACE Entire drawing with attached C-11 GEOMETRY PLAN, dated 18 February 20 to reflect the following changes:

ADD	Street light label at entrance into parking area & bus loop and 36 foot paving width dimensions.
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C-32 HANDICAP ACCESS PLAN

REPLACE Entire drawing with attached C-32 HANDICAP ACCESS PLAN, dated 18 February 20 to reflect the following changes:

REVISE	Elevation of High School Building.
ADD	Spot elevations and slopes on sidewalks and parking area.
ADD	Missing contour and contour labels.
ADD	“Ridgelys Run Road” label and taper down curb labels.

C-33 HANDICAP ACCESS PLAN

REPLACE Entire drawing with attached C-33 HANDICAP ACCESS PLAN, dated 18 February 20 to reflect the following changes:

ADD	Labels for Chillers, Transformers, and Generator.
ADD	Labels for depressed curb and taper down curb.
ADD	Asphalt pathway label with width.
ADD	Missing contours and contour labels.
REVISE	Elevation of High School Building.
ADD	Spot elevations and slopes on sidewalks.

C-35 TRACK DETAILS

REPLACE Entire drawing with attached C-35 TRACK DETAILS, dated 18 February 20 to reflect the following changes:

REVISE Elevations on Detail 2 – Field Turf Typical Section.
REVISE Elevations on Section A – A Stone Opening Thru Earth Berm.
ADD Detail 13 - Synthetic Rubber Track Paving Detail.
ADD Reference to Detail 13 in Detail 1.
REVISE Details 6 and 9 to show sod adjacent to concrete and remove notch from concrete.

C-53 IRRIGATION PUMP SYSTEM DETAILS AND NOTES

REPLACE Entire drawing with attached C-53 IRRIGATION PUMP SYSTEM DETAILS AND NOTES, dated 18 February 20. No changes have been made to the scope of work on this drawing, it is a clearer image.

A-011 OVERALL FIRST FLOOR PLAN

REVISE 2/A-011 CODE ANALYSIS building codes as follows:

From: 2015 National Standard Plumbing Code Illustrated
 To: 2018 National Standard Plumbing Code

From: 2015 National Fuel Gas Code (NFPA 54)
 To: 2018 National Fuel Gas Code (NFPA 54)

A-033 FIREPROOFING PLAN - THIRD FLOOR

REPLACE Entire drawing with attached A-033 FIREPROOFING PLAN - THIRD FLOOR, dated 18 February 20 to reflect the following changes:

REVISE Detail 2/A-033 COLUMN FIREPROOFING DETAIL to reflect typical dimensions
REVISE Detail 3/A-033 BEAM FIREPROOFING DETAIL AT MASONRY SHAFTS to reflect typical relationship between beam and masonry wall
REPLACE Detail 4/A-033 FIRE RATED SHAFT ENCLOSURE
REVISE Spelling of Partition in Drawing Label

A-111 FLOOR PLAN - FIRST FLOOR - AREA 'A'

REPLACE Entire drawing with attached A-111 FLOOR PLAN - FIRST FLOOR - AREA 'A', dated 18 February 20 to reflect the following changes:

REVISE References on 2/A-111 LEGEND FOR ARCHITECTURAL DRAWINGS as shown.
REVISE Verbiage for fire extinguisher cabinets.
ADD Symbols on 2/A-111 LEGEND FOR ARCHITECTURAL DRAWINGS as shown.
ADD Note and dimensions to pre-finished metal bench and guardrail near AE11 Stair E.

A-112 FLOOR PLAN - FIRST FLOOR - AREA 'B'

REVISE Reference in rooms B119 CTE ENGINEER / TECH ED 1, B125 B119 CTE ENGINEER / TECH ED 2, and B127 CTE ENGINEER / TECH ED 3 found on 1/A-112 FLOOR PLAN - FIRST FLOOR - AREA 'B' as follows:

From: 1/A-723
 To: 1/A-724

ADD Notes for two appliances #48 and #5 in B127 CTE ENGINEER / TECH ED 3 on 1/A-112 FLOOR PLAN - FIRST FLOOR - AREA 'B' near case work elevation 4/A-721.

A-113 FLOOR PLAN - FIRST FLOOR - AREA 'C'

REVISE Location of DSS unit and note "DSS ABV" in room C116 ELECTRICAL to room CV03D ELEVATOR EQUIPMENT found on 1/A-113 FLOOR PLAN - FIRST FLOOR - AREA 'C'.

A-113A DIMENSION PLAN - FIRST FLOOR - AREA 'C'

REPLACE Entire drawing with attached A-113A DIMENSION PLAN - FIRST FLOOR - AREA 'A', dated 18 February 20 to reflect the following changes:

REVISE Wall construction and dimensions at chiller enclosure.
REVISE Wall section reference for chiller enclosure wall.
REVISE Wall section reference for outdoor equipment enclosure wall.

A-115 FLOOR PLAN - FIRST FLOOR - AREA 'E'

REVISE Reference for two poster cases on wall between Corridor E 010 and Men F 708

From: P2
 To: PI

REVISE Reference for two poster cases on wall between Corridor E 010 and Men F 708

From: P2
 To: PI

A-115A DIMENSION PLAN - FIRST FLOOR - AREA 'E'

REPLACE Entire drawing with attached A-115A DIMENSION PLAN - FIRST FLOOR - AREA 'E', dated 18 February 20 to reflect the following changes:

ADD Symbol to indicate mechanical louvers in ENSEMBLE E 600, AUDITORIUM E 703 (typ. of 4) and STAGE E 505 (typ. of 2).

A-116 FLOOR PLAN - FIRST FLOOR - AREA 'F'

REVISE Note in TEAM STORAGE F 901 as follows:

From: BUILT-IN HOOKS - SEE SIM. DETAIL 19/A-725.
 To: BUILT-IN HOOKS - SEE DETAIL 11/A-726.

A-117 FLOOR PLAN - FIRST FLOOR - AREAS 'G' AND 'H'

REPLACE Entire drawing with attached A-117 FLOOR PLAN - FIRST FLOOR - AREAS 'G' AND 'H', dated 18 February 20 to reflect the following changes:

REVISE Casework Elevation reference in HEALTH G 802.
ADD Dimensions to pre-finished metal benches found in CORRIDOR G080.

A-122 FLOOR PLAN - SECOND FLOOR - AREA 'B'

REPLACE Entire drawing with attached A-122 FLOOR PLAN - SECOND FLOOR - AREA 'B', dated 18 February 20 to reflect the following changes:

REVISE Note for pre-finished metal benches in CORRIDOR B024.
ADD Dimensions to cyclorama curtain found in TV STUDIO B239G.

A-123 FLOOR PLAN - SECOND FLOOR - AREA 'C'

- REVISE** Note for pre-finished metal benches in CORRIDOR C 022 as follows:
- From: PRE-FINISHED METAL BENCHES - SEE DETAIL 9/A-580 LENGTH AS DIMENSIONED
- To: PRE-FINISHED METAL BENCHES - SEE DETAIL 9/A-580 LENGTH AS DIMENSIONED ON A-133

A-125 FLOOR PLAN - SECOND FLOOR - AREA 'E'

- REVISE** Extent of platform at STAIR F E F22 to match what is shown on 2B/A-525.

A-132 FLOOR PLAN - THIRD FLOOR - AREA 'B'

- ADD** Note to ladder shown in ROOF ACCESS B 369 as follows:
- ROOF ACCESS LADDER - SEE DETAIL 4/A-220

A-313 REFLECTED CEILING PLAN - FIRST FLOOR - AREA 'C'

- ADD** Ceiling height note to VESTIBULE CV03 as follows:
- 9'-0"

A-411 ENLARGED NORTH-FACING EXTERIOR ELEVATIONS

- DELETE** Four paragraphs from 3/A-411 MASONRY NOTES that describe Types '2', '3', '4' and '5' pavers in their entirety.
- DELETE** All dashed lines indicating operable windows from elevations.
- ADD** Infill panel (shaded) to lower section of ALUMINUM CURTAIN WALL SYSTEM frame 'M1' in Cafeteria C 114 on 1/A-411 NORTH-FACING ELEVATION - AREA 'C' to match A-612.

A-414 ENLARGED EAST-FACING EXTERIOR ELEVATIONS

- DELETE** All dashed lines indicating operable windows from elevations.

A-415 SOUTH-FACING ELEVATION - AREAS D & E

- REPLACE** Two openings shown for mechanical ducts and related noted "SEE MECH DWGS" with insulated wall panels to match detail 7/A-419 on 1/A-415 SOUTH-FACING ELEVATION.

A-416 ENLARGED SOUTH-FACING EXTERIOR ELEVATIONS

- DELETE** All dashed lines indicating operable windows from elevations.

A-419 ENLARGED WEST-FACING EXTERIOR ELEVATIONS

DELETE All dashed lines indicating operable windows from elevations.

A-513 THREE-STORY WALL SECTIONS

ADD Detail reference 3A/A-515 to sill condition and 3B/A-515 to head condition on 2/A-513 WALL SECTION THRU SERVICE AREA.

A-514 MEDIA CENTER/ COMMONS WALL SECTIONS

ADD 3-3/4" spray polyurethane foam (SPF) insulation on wall primer to the backside of the masonry skylight curbs on 2/A-514 WALL SECTION THRU MEDIA CENTER as shown on attached sketch ADD_A3_A1, dated 18 February 20.

A-515 MINI-AUDIT. WALL SECTIONS

REPLACE Entire drawing with attached A-515 MINI-AUDIT. WALL SECTIONS, dated 18 February 20 to reflect the following changes:

REVISE 1/A-515 WALL SECTION AT MINI-AUDITORIUM to show the masonry wall extending to the bottom of the roof deck.

ADD 3/A-515 TYPICAL LOUVER DETAILS.

A-522 STAIR A, B, C & D SECTIONS & DETAILS

REPLACE Entire drawing with attached A-522 STAIR A, B, C & D SECTIONS & DETAILS, dated 18 February 20 to reflect the following changes:

DELETE Curtain wall dimensions from 1/A-522 UPPER SECTION THRU STAIR A.

ADD Noting to 1/A-522 UPPER SECTION THRU STAIR A.

ADD 3-3/4" spray polyurethane foam (spf) insulation to 1/A-522 UPPER SECTION THRU STAIR A.

REVISE Location of metal framing with plywood and spray polyurethane foam insulation to be aligned with the clerestory storefront below on 2/A-522 UPPER CROSS SECTION THRU STAIR A.

REVISE Top of masonry wall on 2/A-522 UPPER CROSS SECTION THRU STAIR A to show only the top course of CMU 2" wider than CMU below.

ADD Noting to 2/A-522 UPPER CROSS SECTION THRU STAIR A.

ADD 3-3/4" spray polyurethane foam (SPF) insulation to 2/A-522 UPPER CROSS SECTION THRU STAIR A.

DELETE Detail 6/A-522

A-523 STAIR E SECTIONS & DETAILS (COMMONS)

REVISE Note on 1/A-523 STAIR E SECTION/ ELEVATION to read as follows:

From: FACE BRICK VENEER (TYP.)
To: FACE BRICK 'A' (TYP.)

REVISE Drawing label to read as follows:

From: B/A-523 STAIR E SECTION DETAIL
To: **2/A-523 STAIR E SECTION DETAIL**

A-530 - SITE WALL DETAILS

REPLACE Detail 2/A-530 SECTION THRU CHILLER ENCLOSURE as shown on attached sketch ADD_3_A2, dated 18 February 20.

A-531 MAIN ENTRANCE CANOPY DETAILS

REVISE Note on 6/A-531 CROSS SECTION THRU HIGH CANOPY to read as follows:

From: MASONRY COLUMN BASE BRICK A
To: MASONRY COLUMN BASE **FACE BRICK 'A'**

REVISE Note on 8/A-531 SECTION THRU LOW AND HIGH CANOPY to read as follows:

From: MASONRY COLUMN BASE BRICK A
To: MASONRY COLUMN BASE **FACE BRICK 'A'**

A-552 STADIUM BLEACHER PLANS & DETAILS

ADD Details 4A and 4C as shown on attached sketch ADD_3_A3, dated 18 February 20.

A-601 DOOR SCHEDULE – DOORS 010-152

REVISE Door thickness for the following aluminum doors: A100, A100C, C114, C114G, C114H C114J, C114K, C114L, C114M, C114N, B128C, B130D and B132D to read as follows:

From: 1 3/4"
To: **2"**

REVISE Door 108K FRAME TYPE to read as follows:

From: 1
To: **2**

A-602 DOOR SCHEDULE – DOORS 200-280

REVISE Door thickness for the following aluminum doors: B239 to read as follows:

From: 1 3/4"
To: **2"**

REVISE Door 205 FRAME TYPE to read as follows:

From: 1
To: **2**

A-604 DOOR SCHEDULE – DOORS 700-X26 AND DETAILS

REVISE Door thickness for the following aluminum doors: V01A, V01B, V01C, V01D, V02A, V02B, V02C, V02D, V04A, V04B, V05A, V05B, V06A, V06B, V06C, V06D, V07A, V07B, V08A, V08B, V08C, V08D, V09A, V09B, V09C, V09D, V09E, V09F, V10A, V10B, V10C, V10D, V11A and V11B to read as follows:

From: 1 3/4"
To: 2"

REVISE Door 824B FRAME TYPE to read as follows:

From: 1
To: 2

A-612 ALUMINUM CURTAIN WALL SYSTEM FRAME ELEVATIONS

REVISE Note 5 on GENERAL CURTAIN WALL FRAME NOTES to read as follows:

From: AT ALL EXTERIOR FRAMES, GLAZING AND HOLLOW METAL PANELS SHALL BE INSTALLED ON EXTERIOR SIDE OF FRAME, UNLESS OTHERWISE NOTED.

To: AT ALL EXTERIOR FRAMES, GLAZING AND **INSULATED INFILL** PANELS SHALL BE INSTALLED ON EXTERIOR SIDE OF FRAME, UNLESS OTHERWISE NOTED.

A-613 FIRE-RATED ALUMINUM STOREFRONT ELEVATIONS

ADD Detail 'S' TYP. DETAIL AT INFILL PANEL to 1/A-613 CURTAIN WALL SYSTEM FRAME DETAILS see sketch ADD_3_A5, dated 18 February 20.

A-614 FIRE-RATED ALUMINUM STOREFRONT ELEVATIONS

ADD Details 'N', 'P' and 'Q' to 3/A-614 ALUMINUM STOREFRONT FRAME DETAILS see sketch ADD_3_A4, dated 18 February 20.

A-616 INSULATED TRANSLUCENT FIBERGLASS SKYLIGHT SYSTEM

REPLACE Entire drawing with attached A-522 STAIR A, B, C & D SECTIONS & DETAILS, dated 18 February 20 to reflect the following changes:

ADD Detail 3/A-616 SUNSCREEN SUNSHADE ELEVATIONS.

REVISE Details 2A and 2B to be coordinated with RCP and to show spray polyurethane foam insulation in lieu of batt insulation.

A-724 COUNTERTOP PLANS

REVISE Room name in detail 4

From: CTE CAREER ACADEMY COMPUTER SCIENCE 4
To: CTE CAREER ACADEMY COMPUTER SCIENCE 4

A-725 CASEWORK DETAILS

- REVISE** Note on detail 3/A-725 TECHNOLOGY WARDROBE CABINET SECTION as follows:
- From: PROVIDE EXTENSION RINGS TO BOXES AS REQUIRED SO THAT TRIM PLATES ARE FLUSH WITH BACK PANEL OF CABINET.
- To: PROVIDE EXTENSION RINGS TO BOXES AS REQUIRED SO THAT TRIM PLATES ARE FLUSH WITH **INSIDE FACE OF CABINET. NOTE: OPENING MAY NEED TO BE LOCATED ON SIDE OF CABINET - SEE ELECTRICAL AND TELECOM DRAWINGS FOR LOCATIONS.**
- REVISE** Note on detail 10/A-725 HELMET HOOK DETAIL as follows:
- From: PROVIDE HOOKS IN ROOMS **F 901 TEAM STORAGE AND F 910 TEAM STORAGE**
- To: PROVIDE HOOKS IN F 910 TEAM STORAGE

A-726 MISC. DETAILS

- REPLACE** Entire drawing with attached A-726 MISC. DETAILS, dated 18 February 20 to reflect the following changes:
- DELETE** Duplicate dimension from detail 1/A-726.
- ADD** Overall height dimension of 6'-10" to detail 1/A-726.
- REPLACE** Detail 5/A-726 TACKBOARD AND TACKSTRIP SCHEDULE in its entirety.
- REPLACE** Detail 7/A-726 MARKERBOARD AND PROJECTOR SCHEDULE in its entirety.
- REVISE** Detail 8B/A-726 as shown.
- ADD** Detail 11/A-726 as shown.

A-730 SCIENCE CASEWORK ELEVATIONS AND SCHEDULE

- REPLACE** Entire drawing with attached A-730 SCIENCE CASEWORK ELEVATIONS AND SCHEDULE, dated 18 February 20 to reflect the following changes:
- ADD** Line item S31 to 1/A730 SCIENCE EQUIPMENT SCHEDULE as shown.
- REVISE** Annotation for distillation apparatus on detail F/A-730 as shown.

A-731 SCIENCE CASEWORK ELEVATIONS AND DETAILS

- REPLACE** Annotation for distillation apparatus on elevation Q/A-731 with science casework reference 'S31' which is 23" wide, see detail F/A-730.

A-820 AUDITORIUM SEATING PLAN

- ADD** Reference marker for building section 4/A-500 to plan to match drawing A-115A DIMENSIONING PLAN - FIRST FLOOR - AREA 'E'.

A-830 MINI-AUD. TELESCOPIC SEATING PLAN

- ADD** Reference marker for wall sections 1/A-515 to plan to match drawing A-131A DIMENSIONING PLAN - THIRD FLOOR - AREA 'F'.

A-840 GYMNASIUM TELESCOPIC BLEACHER PLAN

ADD Reference marker for wall section 1/A-518 to detail 1A EASTERN TELESCOPIC BLEACHER PLAN to match drawing A-116A DIMENSIONING PLAN - FIRST FLOOR - AREA 'F'.

ADD Reference marker for wall section 2/A-518 to detail 1B WESTERN TELESCOPIC BLEACHER PLAN to match drawing A-116A DIMENSIONING PLAN - FIRST FLOOR - AREA 'F'.

A-881 ENLARGED SITE PLANS

REPLACE Entire drawing with attached A-881 ENLARGED SITE PLANS, dated 18 February 20 to reflect the following changes:

ADD Dimensions to all pre-finished metal benches.

REVISE Noting for all pre-finished metal benches to coordinate with revisions in this addendum to specification section 05 5000 / METAL FABRICATIONS.

ADD Dimensions for joint spacing on multiple details.

REVISE Location and site of pre-finished gates at student patio.

REVISE Note for paving at dumpsters shown on 6/A-881.

A-882 SITE PAVING DETAILS

REPLACE Entire drawing with attached A-882 SITE PAVING DETAILS, dated 18 February 20 to reflect the following changes:

REPLACE 1/A-882 SITE PAVER DETAIL

REPLACE 3/A-882 SITE PAVER DETAIL

REVISE Note for gate at mechanical equipment enclosure, see 9/A-882.

REPLACE 10/A-882 ELEVATION OF FENCE FROM STUDENT DINING PATIO TO SERVICE AREA

ADD 12/A-882 ELEVATION OF FENCE FROM STUDENT DINING PATIO TO BUS LOOP

R-3 ROOF DETAILS

REVISE Details 3/R-3, 4/R-3, and 5/R-3 to show 3-3/4" spray polyurethane foam (SPF) in lieu of batt insulation.

R-4 ROOF DETAILS

REVISE Details 1/R-4, and 4/R-4 to show 3-3/4" spray polyurethane foam (SPF) in lieu of batt insulation.

ADD 3-3/4" spray polyurethane foam (SPF) insulation on wall primer to the backside of the masonry skylight curbs to detail 2/R-4 to coordination with revised wall section 2/A-514, see attached sketch ADD_A3_A1, dated 18 February 20.

EQ-116 F & E PLAN - FIRST FLOOR - AREA 'F'

REVISE Team Storage F 901 as shown on attached sketch ADD_3_A6, dated 18 February 20.

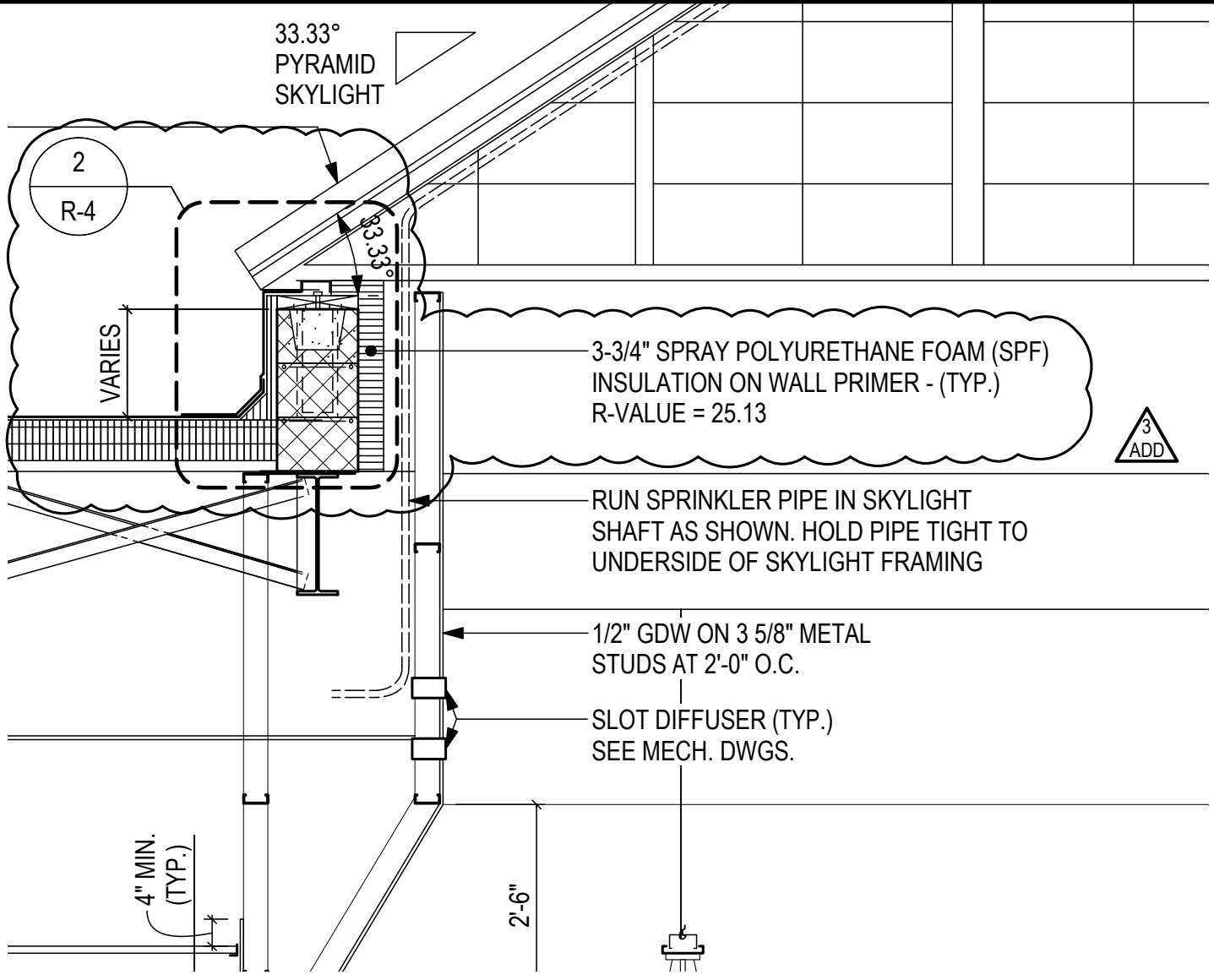
END OF ADDENDUM NO. 3

Attachments dated 18 FEBRUARY 20:**Sketches**

ADD_3_AI thru A6

30"x42" drawings


C-3 SITE PLAN
 C-4 SITE PLAN
 C-5 SITE PLAN
 C-6 SITE PLAN
 C-8 GEOMETRY PLAN
 C-9 GEOMETRY PLAN
 C-11 GEOMETRY PLAN
 C-32 HANDICAP ACCESS PLAN
 C-33 HANDICAP ACCESS PLAN
 C-35 TRACK DETAILS
 C-53 IRRIGATION PUMP SYSTEM DETAILS AND NOTES
 A-033 FIREPROOFING PLAN - THIRD FLOOR
 A-111 FLOOR PLAN - FIRST FLOOR - AREA 'A'
 A-113A DIMENSION PLAN - FIRST FLOOR - AREA 'C'
 A-115A DIMENSION PLAN - FIRST FLOOR - AREA 'E'
 A-117 FLOOR PLAN - FIRST FLOOR - AREAS 'G' AND 'H'
 A-122 FLOOR PLAN - SECOND FLOOR - AREA 'B'
 A-515 MINI-AUDIT. WALL SECTIONS
 A-522 STAIR A, B, C & D SECTIONS & DETAILS
 A-616 - INSULATED TRANSLUCENT FIBERGLASS SKYLIGHT SYSTEM
 A-726 - MISC. DETAILS
 A-730 SCIENCE CASEWORK ELEVATIONS AND SCHEDULE
 A-881 ENLARGED SITE PLANS
 A-882 SITE PAVING DETAILS

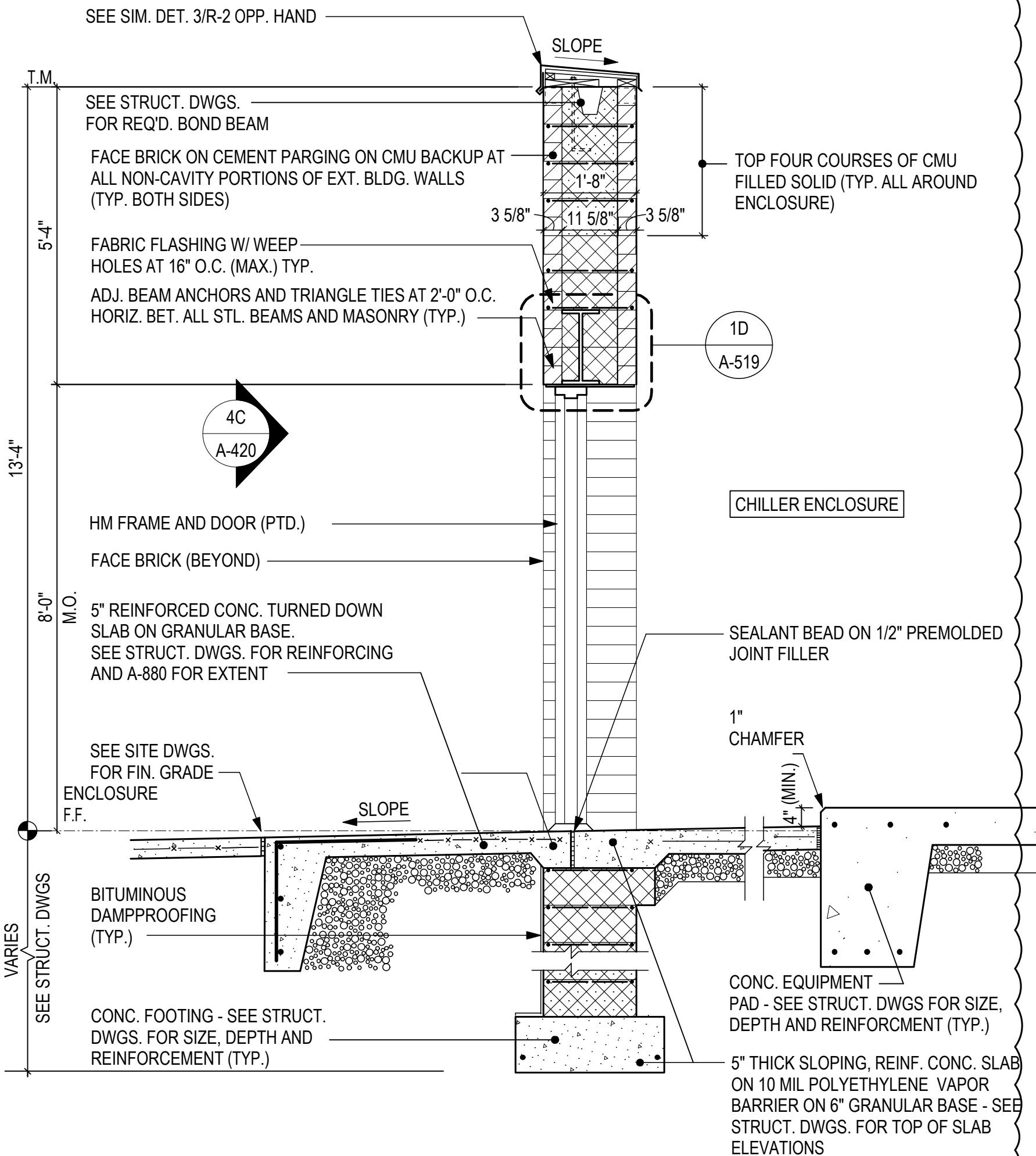


2
A-514

WALL SECTION THRU MEDIA CENTER

SCALE: 1/2" = 1'-0"

date	18 FEB 20
dwg	ADD_3_A1
	
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<p>HIGH SCHOOL #13 JESSUP, MARYLAND HOWARD COUNTY PUBLIC SCHOOL SYSTEM</p>	



3
ADD

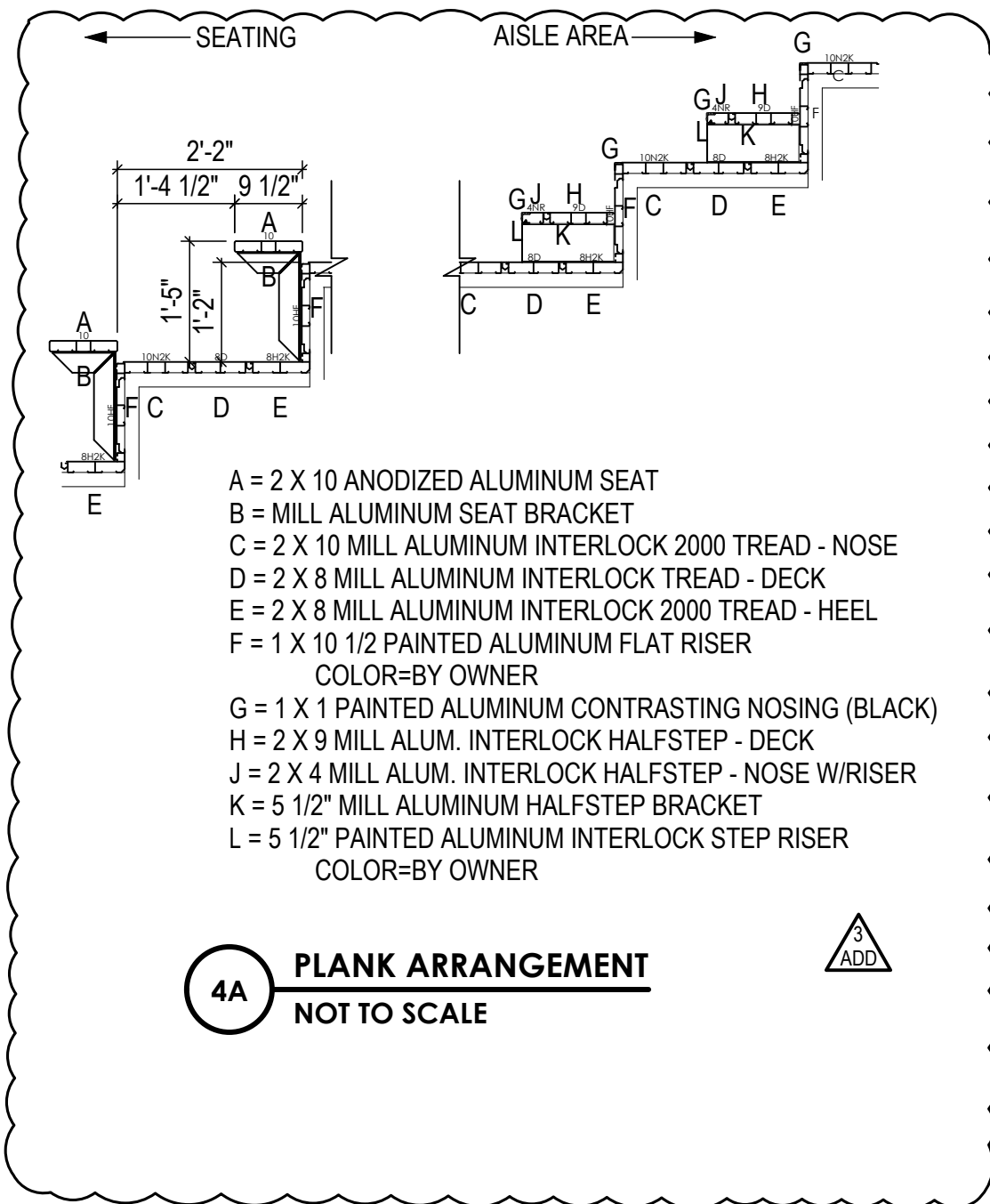
2 SECTION THRU CHILLER ENCLOSURE
A-530 SCALE: 1/2" = 1'-0"

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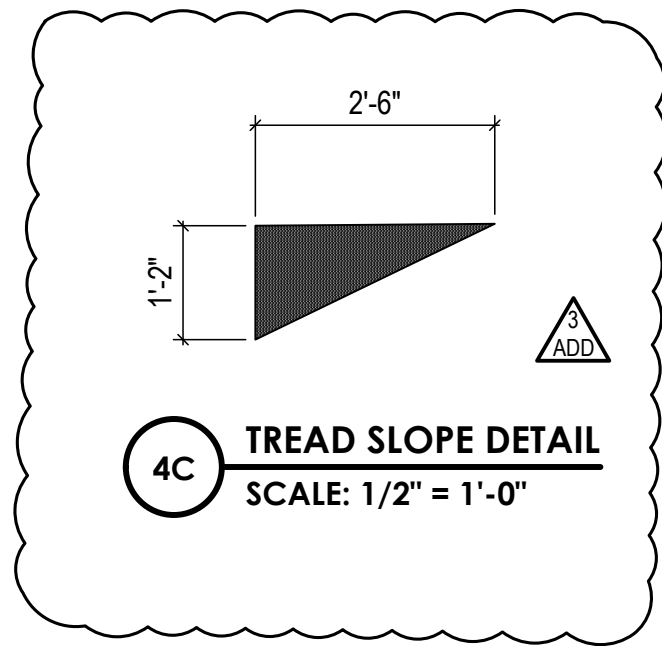
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date
18 FEB 20

dwg
ADD_3_A2



4A PLANK ARRANGEMENT
 NOT TO SCALE

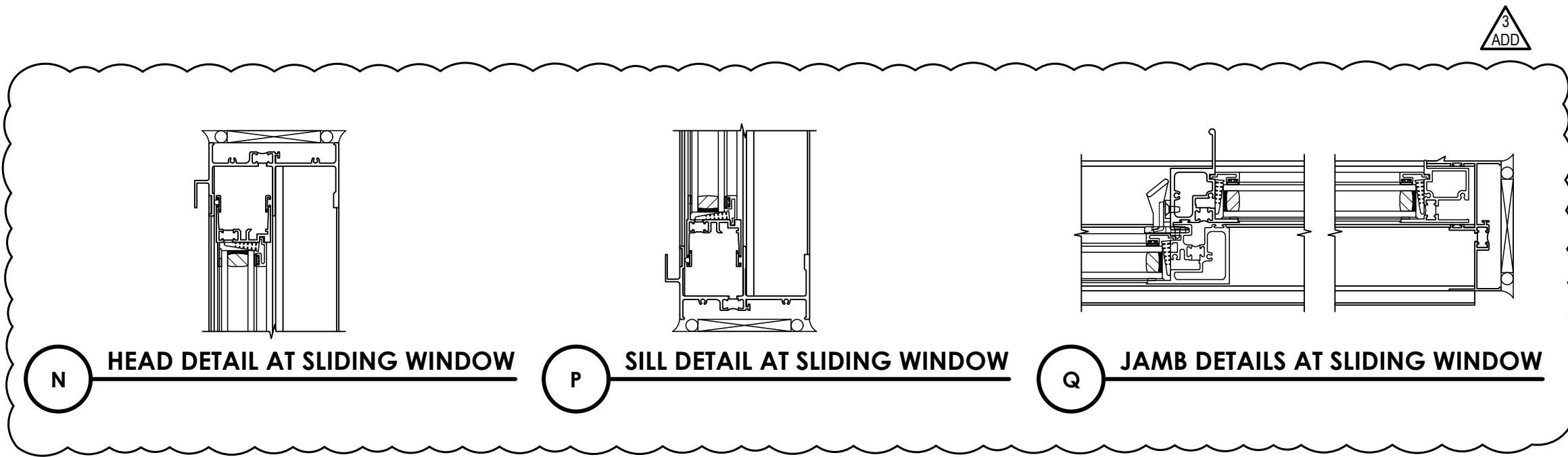
4C TREAD SLOPE DETAIL
 SCALE: 1/2" = 1'-0"

4 HOME BLEACHER SECTION
 A-552 SCALE: 1/2" = 1'-0"

date 18 FEB 20
 dwg ADD_3_A3

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N

HEAD DETAIL AT SLIDING WINDOW

P

SILL DETAIL AT SLIDING WINDOW

Q

JAMB DETAILS AT SLIDING WINDOW

3
ADD

NOTE:
SEE 2/A-614 FOR JAMB AND
HEAD CONDITIONS

3
A-614

ALUMINUM STOREFRONT FRAME DETAILS

SCALE: 3" = 1'-0"

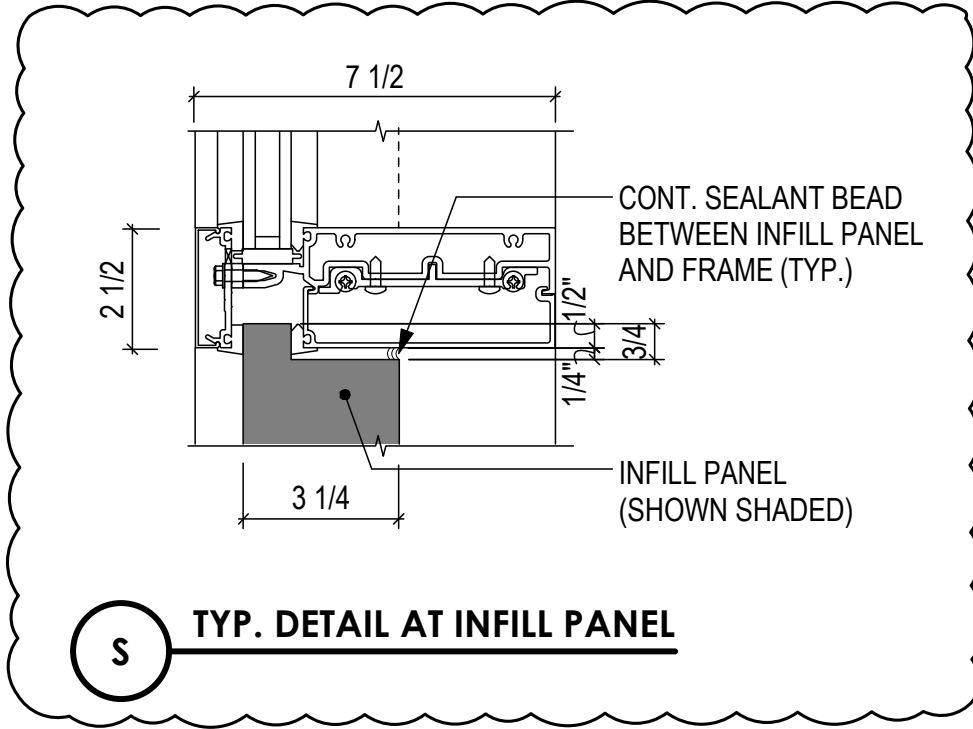
date
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dwg
ADD_3_A4

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1
A-613

CURTAIN WALL SYSTEM FRAME DETAILS

SCALE: 3" = 1'-0"

date
18 FEB 20

dwg
ADD_3_A5

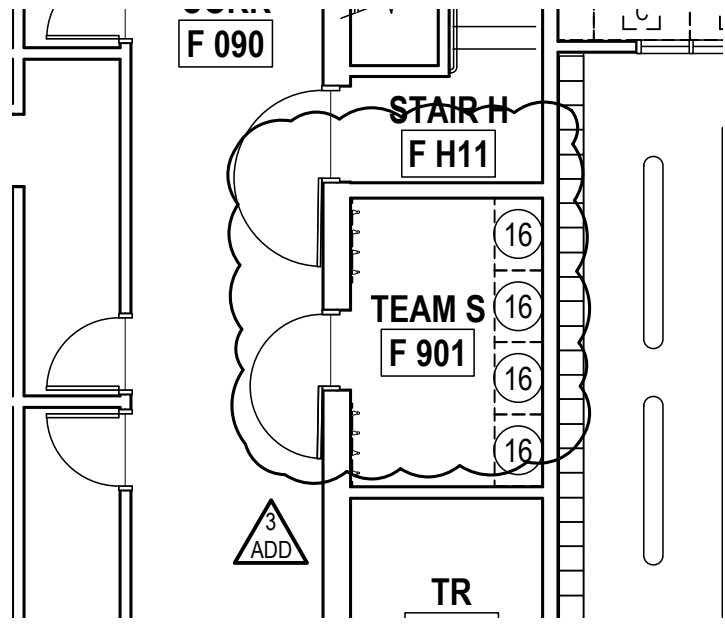
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1
EQ-116

F & E PLAN - FIRST FLOOR - AREA 'F'

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

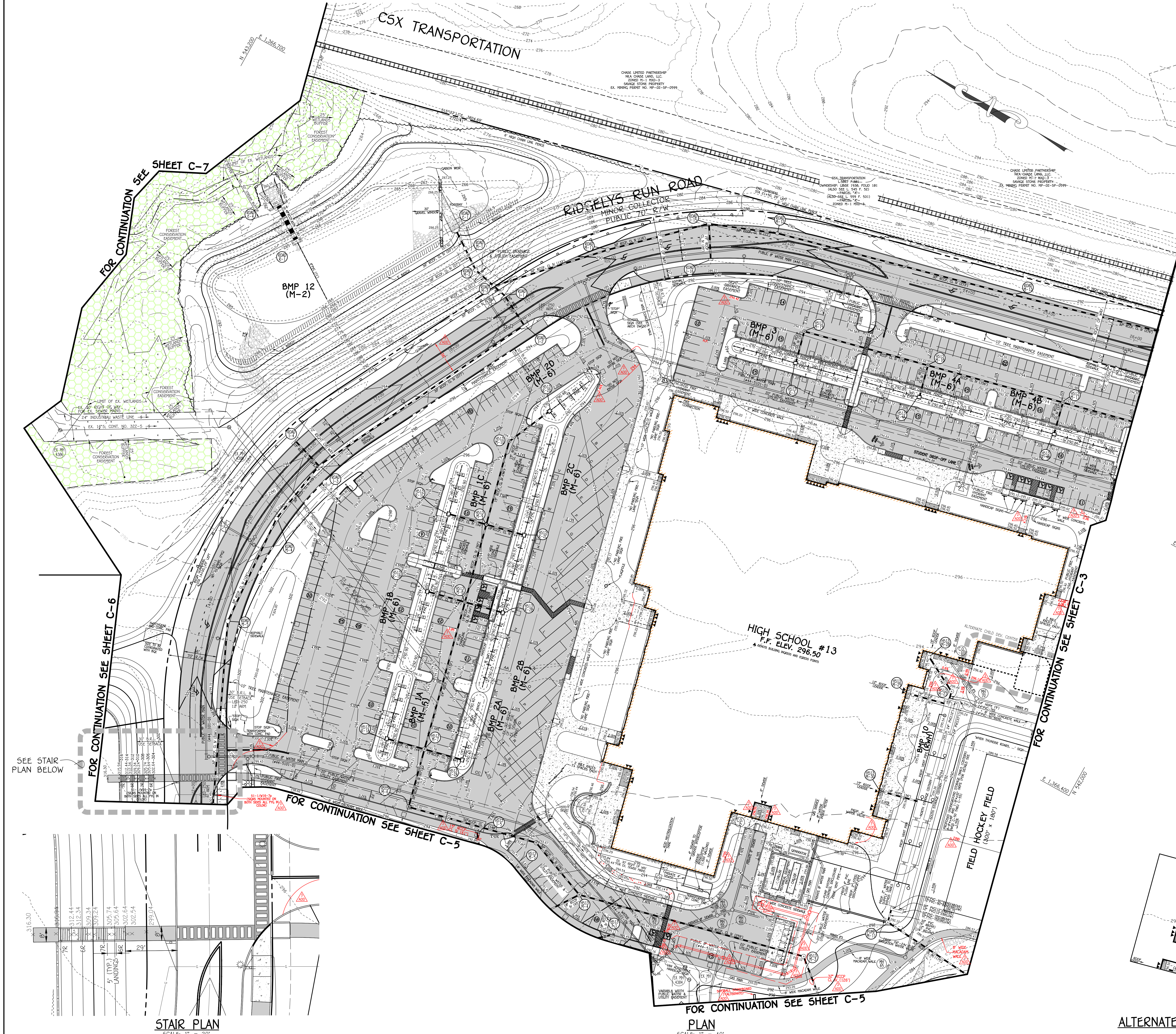


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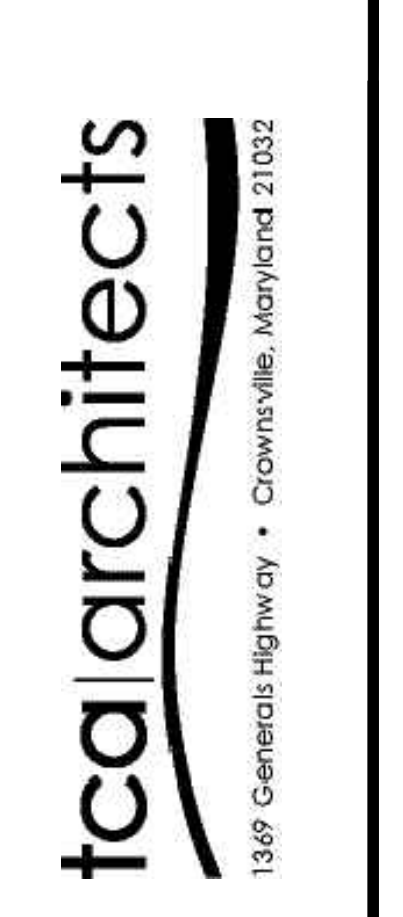
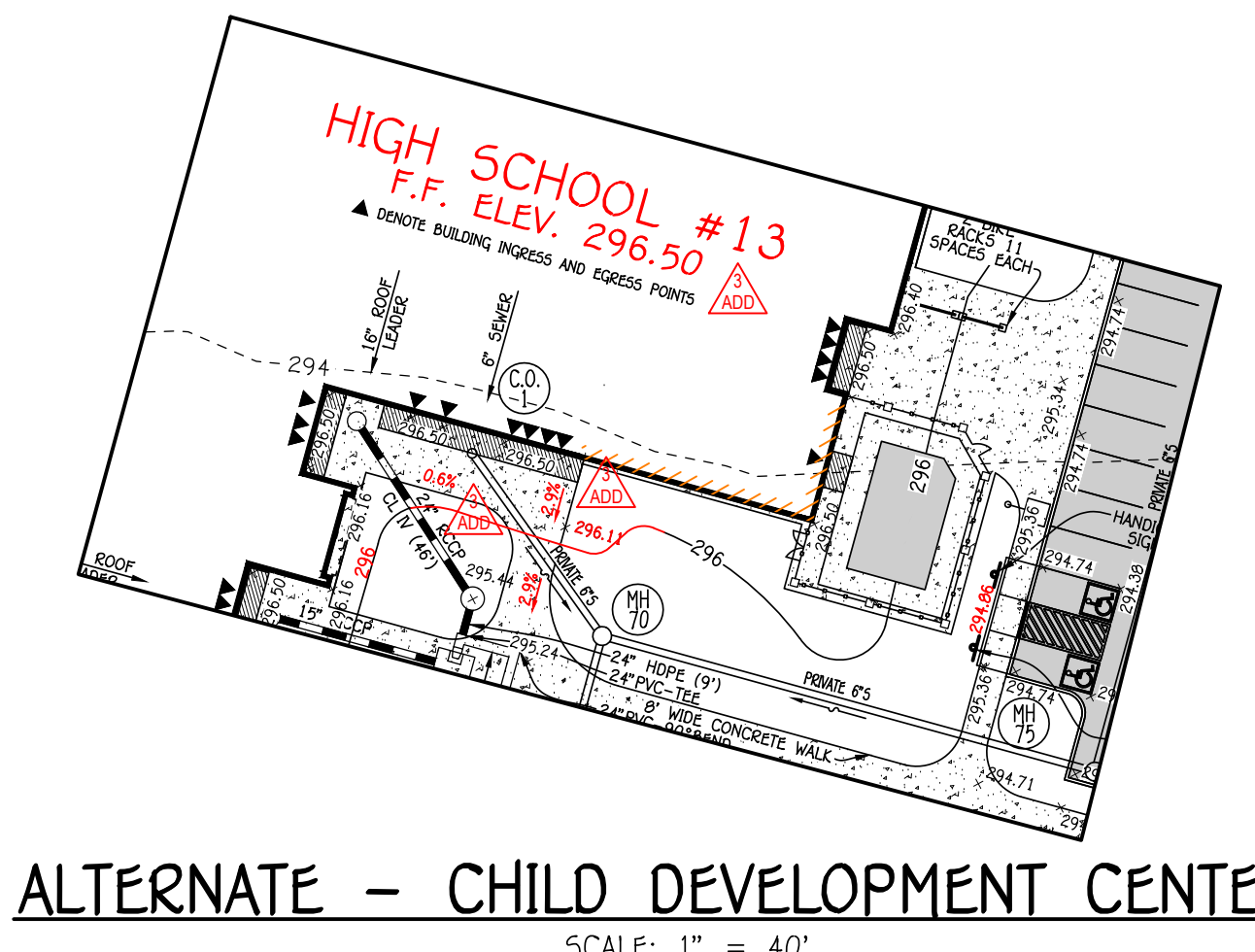
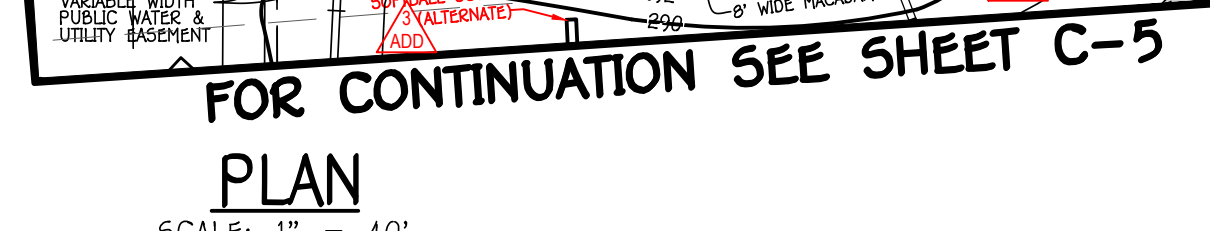
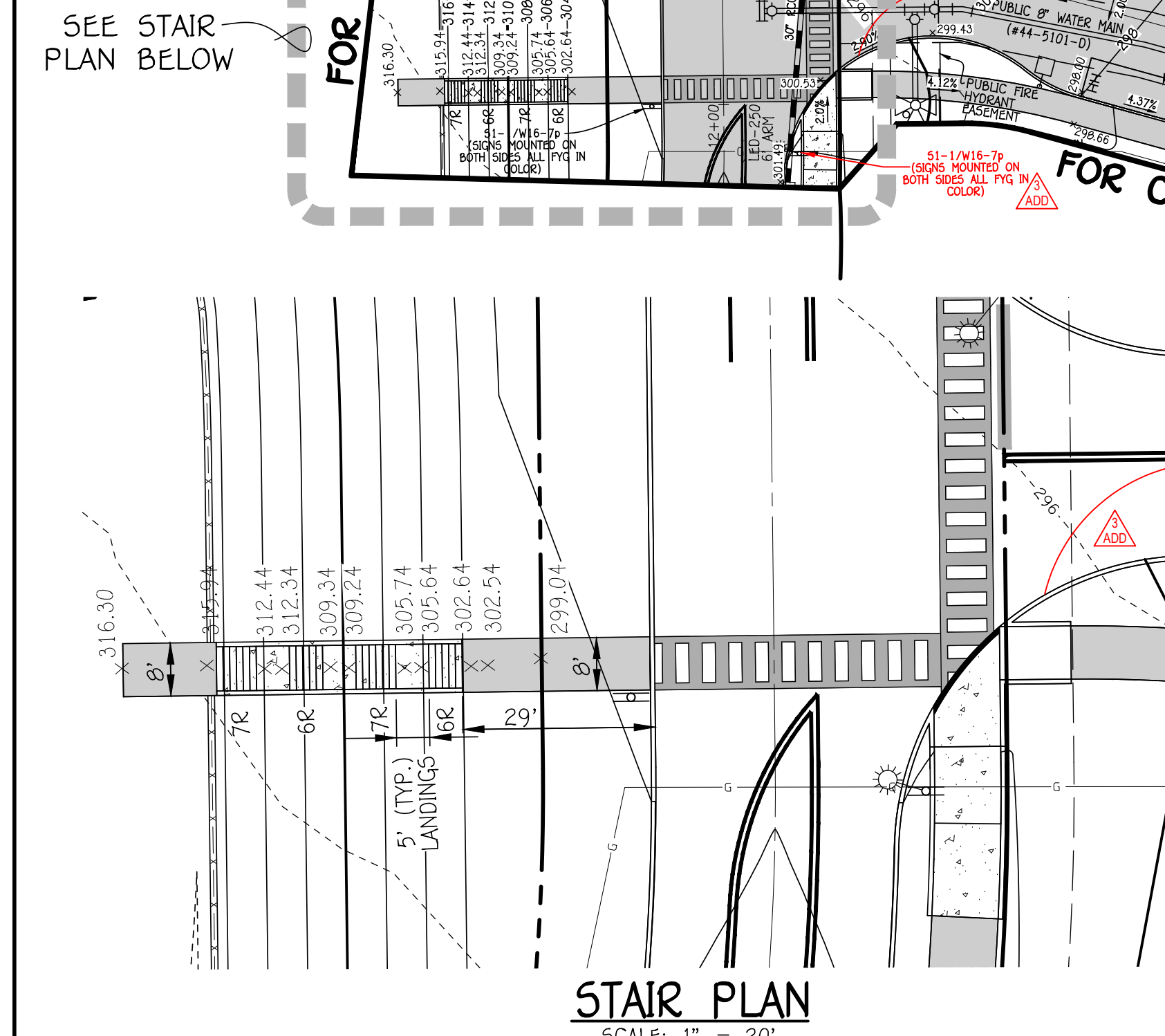
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date
18 FEB 20

dwg
ADD_3_A6



SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
S	EXISTING SANI. SEWER LINE
D	EXISTING STORM DRAIN LINE
W	EXISTING WATER LINE
UG	EXISTING UNDERGROUND ELECTRIC LINE
C/TV	EXISTING CABLE/TV LINE
FOC	EXISTING FIBER OPTIC/CABLE LINE
G	EXISTING GAS LINE
X	EXISTING FENCE
X	PROPOSED FENCE
---	PROPOSED CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
+ 292.50	PROPOSED SPOT ELEVATION
---	PROPOSED CONCRETE WALK
---	PROPOSED MACADAM PAVING
---	EXISTING TREE LINE
---	PROPOSED TREE LINE
---	PROPOSED PUBLIC WATER
---	PROPOSED PRIVATE WATER
---	PROPOSED STORMDRAN
---	PROPOSED PRIVATE SEWER
---	PROPOSED PUBLIC SEWER
---	LIMIT OF WETLANDS
---	FOREST CONSERVATION AREA
---	STADIUM LIGHTING (HCP55)
---	SCHOOL LIGHTING (HCP55)
---	ROAD LIGHTING (BGE)
---	NOTE: SITE LIGHTING TO BE COORDINATED WITH BGE LIGHTING AT TIME OF INSTALLATION.



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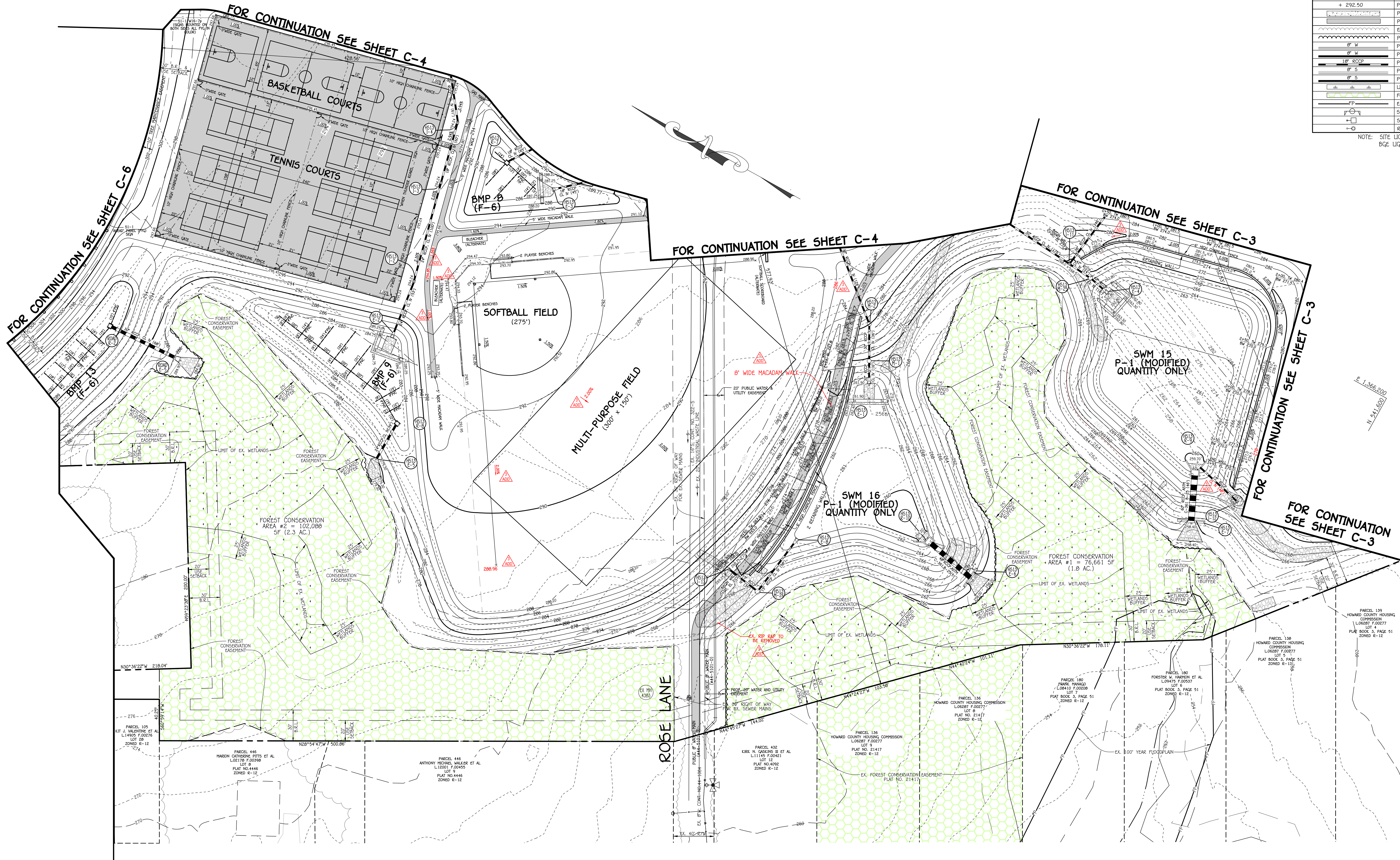
BID AND CONSTRUCTION
7 JANUARY 20

SITE DEVELOPMENT PLAN

C-4

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
S	EXISTING SAN SEWER LINE
D	EXISTING STORM DRAIN LINE
W	EXISTING WATER LINE
U/E	EXISTING UNDERGROUND ELECTRIC LINE
C/TV	EXISTING CABLE/TV LINE
G	EXISTING GAS LINE
X	EXISTING FENCE
X	PROPOSED FENCE
282	PROPOSED CONTOUR 2' INTERVAL
280	PROPOSED CONTOUR 10' INTERVAL
+ 292.50	PROPOSED SPOT ELEVATION
---	PROPOSED CONCRETE WALK
---	PROPOSED MACADAM PAVING
---	EXISTING TREELINE
---	PROPOSED TREELINE
8" W	PROPOSED PUBLIC WATER
8" W	PROPOSED PRIVATE WATER
8" S	PROPOSED STORMDRAIN
8" S	PROPOSED PRIVATE SEWER
8" S	PROPOSED PUBLIC SEWER
---	LIMIT OF WETLANDS
---	FOREST CONSERVATION AREA
---	EXISTING 100 YEAR FLOODPLAIN
---	STADIUM LIGHTING (HCPSS)
---	SCHOOL LIGHTING (HCPSS)
---	ROAD LIGHTING (EGE)

NOTE: SITE LIGHTING TO BE COORDINATED WITH EGE LIGHTING AT TIME OF INSTALLATION.



PLAN
SCALE: 1" = 40'



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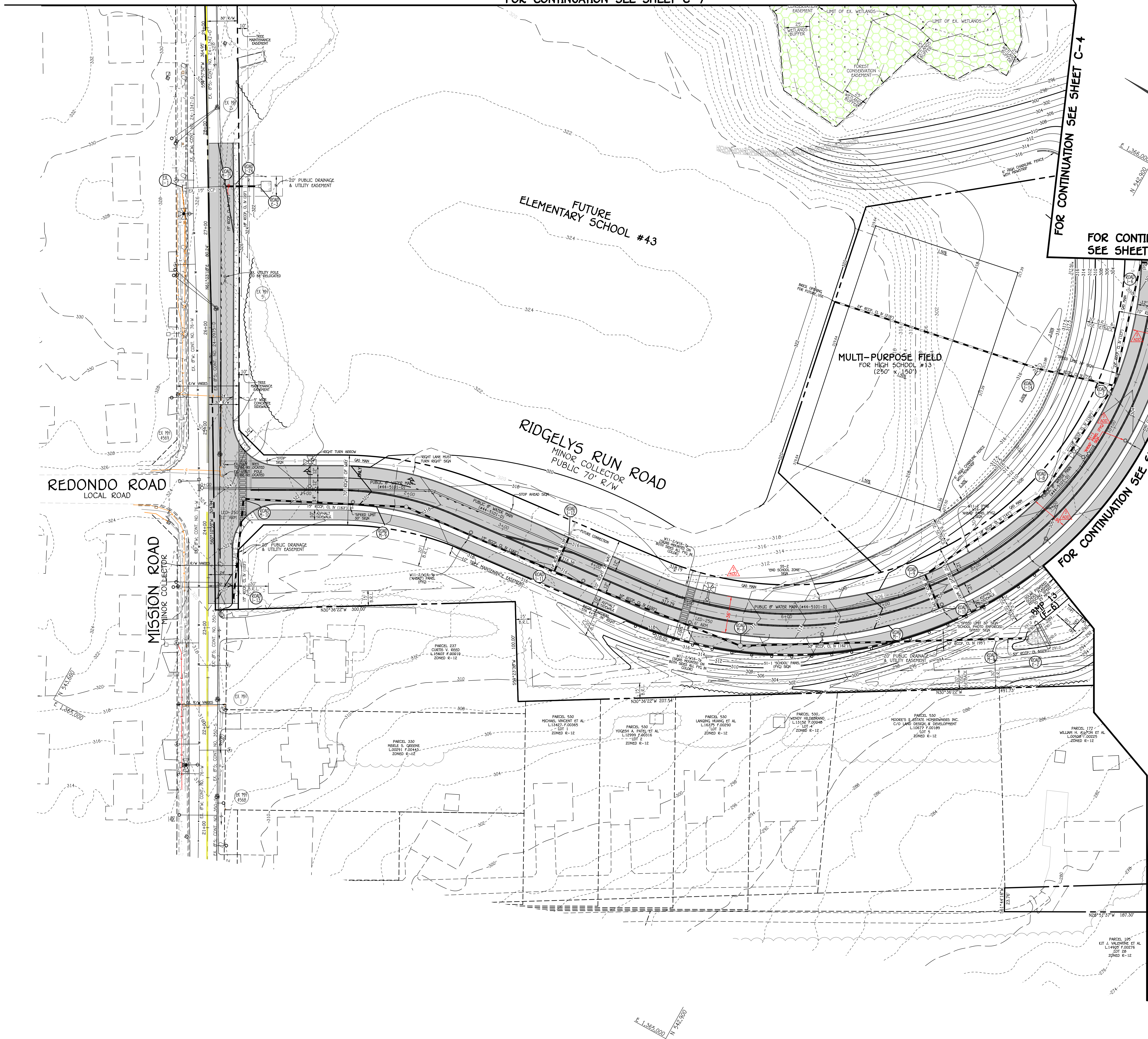
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BID AND CONSTRUCTION
7 JANUARY 20

SITE
DEVELOPMENT
PLAN

FOR CONTINUATION SEE SHEET C-7



FOR CONTINUATION SEE SHEET C-4

FOR CONTINUATION SEE SHEET C-4

FOR CONTINUATION SEE SHEET C-5

LEGEND	
SYMBOL	DESCRIPTION
--- 2' ---	EXISTING CONTOUR 2' INTERVAL
--- 10' ---	EXISTING CONTOUR 10' INTERVAL
S	EXISTING SAN SEWER LINE
D	EXISTING STORM DRAIN LINE
W	EXISTING WATER LINE
U/E	EXISTING UNDERGROUND ELECTRIC LINE
C/TV	EXISTING CABLE/TV LINE
F/C	EXISTING FIBER OPTIC/CABLE LINE
G	EXISTING GAS LINE
- - - - -	EXISTING FENCE
X - X	PROPOSED FENCE
2' 2'	PROPOSED CONTOUR 2' INTERVAL
10' 10'	PROPOSED CONTOUR 10' INTERVAL
+ 292.50	PROPOSED SPOT ELEVATION
---	PROPOSED CONCRETE WALK
---	PROPOSED MACADAM PAVING
---	EXISTING TREELINE
---	PROPOSED TREELINE
W	PROPOSED PUBLIC WATER
S	PROPOSED PRIVATE WATER
S	PROPOSED STORMDRAIN
S	PROPOSED PRIVATE SEWER
S	PROPOSED PUBLIC SEWER
---	LIMIT OF WETLANDS
---	FOREST CONSERVATION AREA
---	STADIUM LIGHTING (HCPSS)
---	SCHOOL LIGHTING (HCPSS)
---	ROAD LIGHTING (BGE)

NOTE: SITE LIGHTING TO BE COORDINATED WITH BGE LIGHTING AT TIME OF INSTALLATION.



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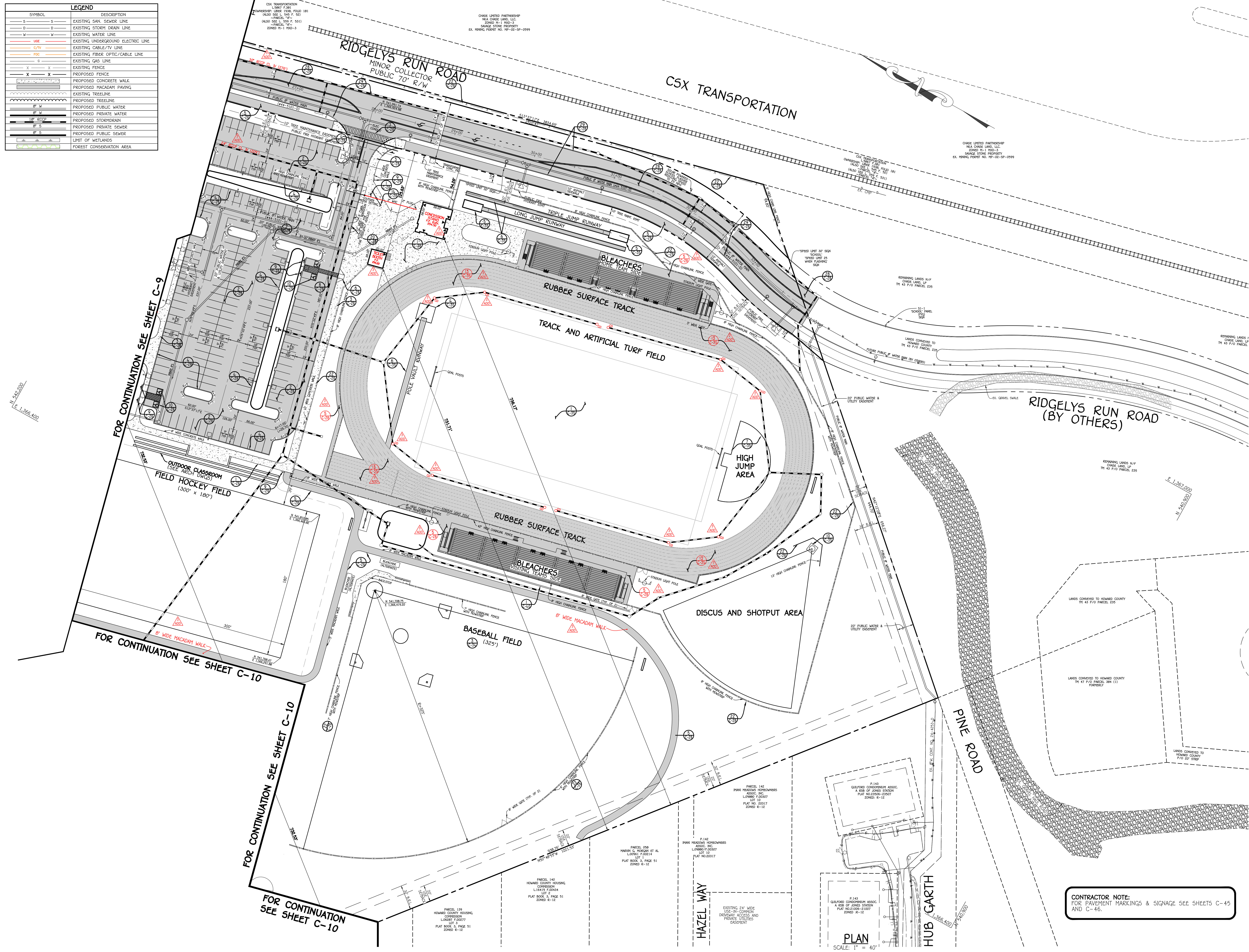
BID AND CONSTRUCTION
7 JANUARY 20

SITE
DEVELOPMENT
PLAN

C-6

PLAN
SCALE: 1" = 40'

SYMBOL	DESCRIPTION
S	EXISTING SAN SEWER LINE
D	EXISTING STORM DRAIN LINE
W	EXISTING WATER LINE
USE	EXISTING UNDERGROUND ELECTRIC LINE
C/TV	EXISTING CABLE/TV LINE
FOC	EXISTING FIBER OPTIC/CABLE LINE
G	EXISTING GAS LINE
X	EXISTING FENCE
X	PROPOSED FENCE
	PROPOSED CONCRETE WALK
	PROPOSED MACADAM PAVING
	EXISTING TREELINE
	PROPOSED TREELINE
EP W	PROPOSED PUBLIC WATER
EP W	PROPOSED PRIVATE WATER
EP S	PROPOSED PUBLIC SEWER
EP S	PROPOSED PRIVATE SEWER
	LIMIT OF WETLANDS
	FOREST CONSERVATION AREA



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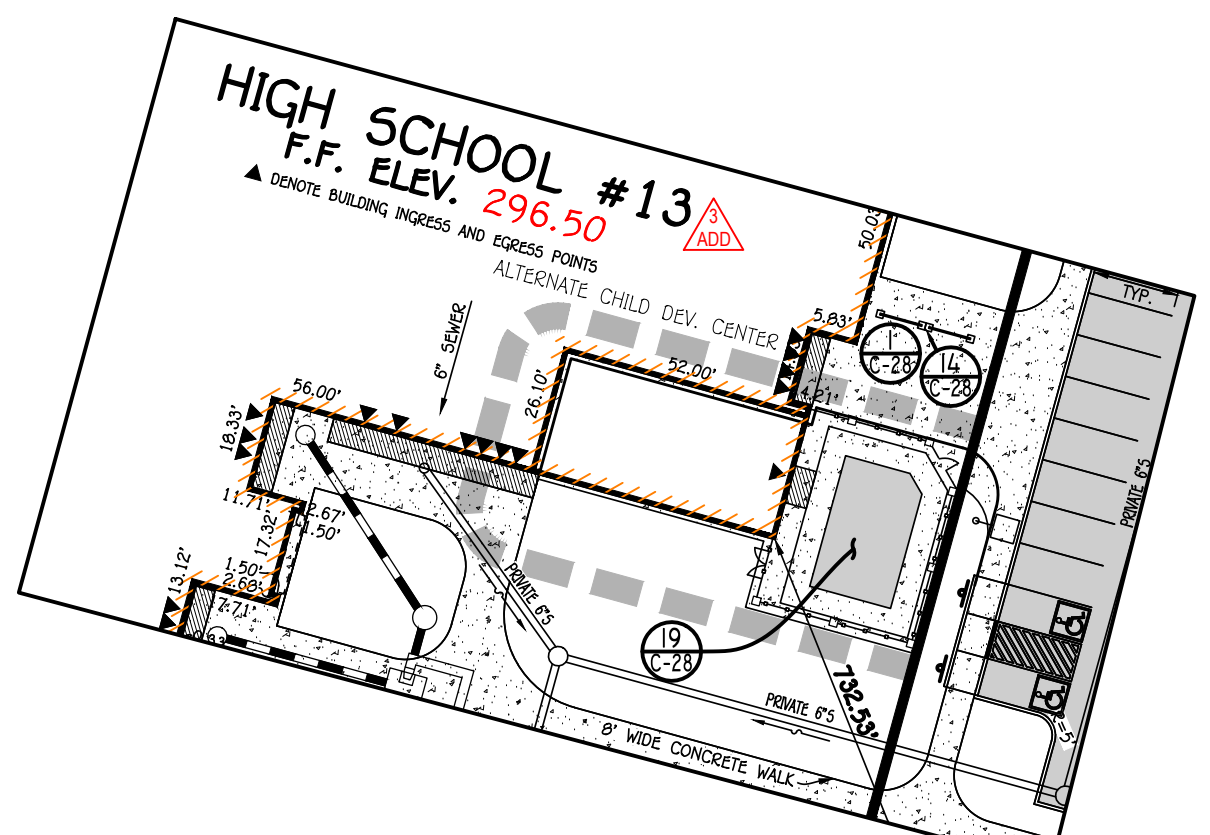
GEOMETRY
PLAN

C-8



SYMBOL	DESCRIPTION
— S —	EXISTING SAN. SEWER LINE
— D —	EXISTING STORM DRAIN LINE
— W —	EXISTING WATER LINE
— UGE —	EXISTING UNDERGROUND ELECTRIC LINE
— C/TV —	EXISTING CABLE/TV LINE
— FOC —	EXISTING FIBER OPTIC/CABLE LINE
— G —	EXISTING GAS LINE
— X —	EXISTING FENCE
— X —	PROPOSED FENCE
—	PROPOSED CONCRETE WALK
—	PROPOSED MACADAM PAVING
—	EXISTING TREELINE
—	PROPOSED TREELINE
— P.W. —	PROPOSED PUBLIC WATER
— P.P. —	PROPOSED PRIVATE WATER
—	PROPOSED STORMDRAIN
— P.S. —	PROPOSED PRIVATE SEWER
— P.S. —	PROPOSED PUBLIC SEWER
—	LIMIT OF WETLANDS
—	FOREST CONSERVATION AREA

CONTRACTOR NOTE:
FOR PAVEMENT MARKINGS & SIGNAGE SEE SHEETS C-45 AND C-46.



PLAN
SCALE: 1" = 40'

ALTERNATE - CHILD DEVELOPMENT CENTER
SCALE: 1" = 40'

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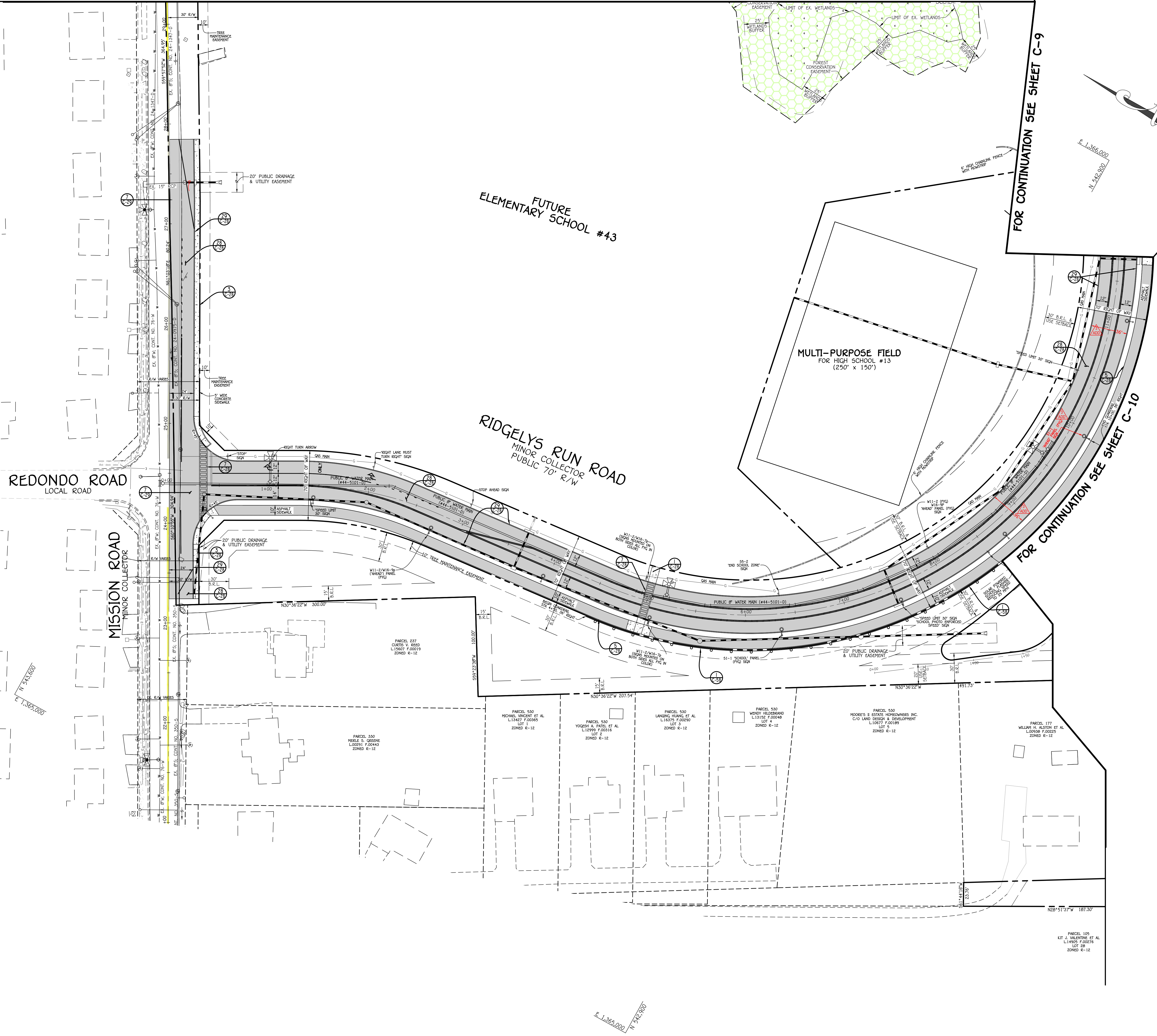
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GEOMETRY
PLAN

C-9

FOR CONTINUATION SEE SHEET C-12



SYMBOL	LEGEND	DESCRIPTION
S	S	EXISTING SAN SEWER LINE
D	D	EXISTING STORM DRAIN LINE
W	W	EXISTING WATER LINE
USE	---	EXISTING UNDERGROUND ELECTRIC LINE
C/TV	---	EXISTING CABLE/TV LINE
F/C	---	EXISTING FIBER OPTIC/CABLE LINE
G	---	EXISTING GAS LINE
X	X	EXISTING FENCE
---	---	PROPOSED FENCE
---	---	PROPOSED CONCRETE WALK
---	---	PROPOSED MACADAM PAVING
---	---	EXISTING TREE LINE
---	---	PROPOSED TREE LINE
---	---	PROPOSED PUBLIC WATER
---	---	PROPOSED PRIVATE WATER
---	---	PROPOSED STORM DRAIN
---	---	PROPOSED PRIVATE SEWER
---	---	PROPOSED PUBLIC SEWER
---	---	LIMIT OF WETLANDS
---	---	FOREST CONSERVATION AREA

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GEOMETRY
PLAN

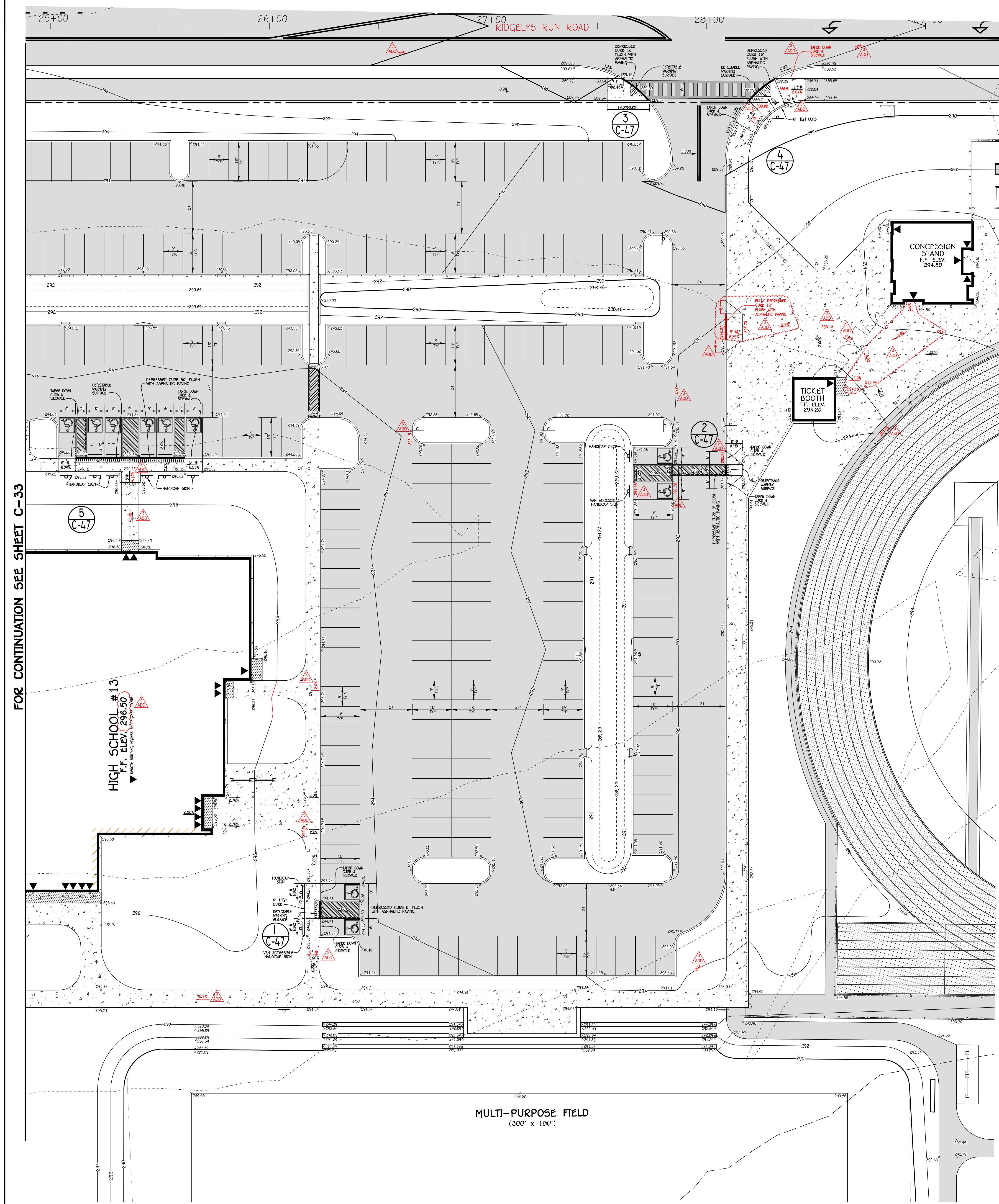
C-11

11 OF 91
PROJECT NO.

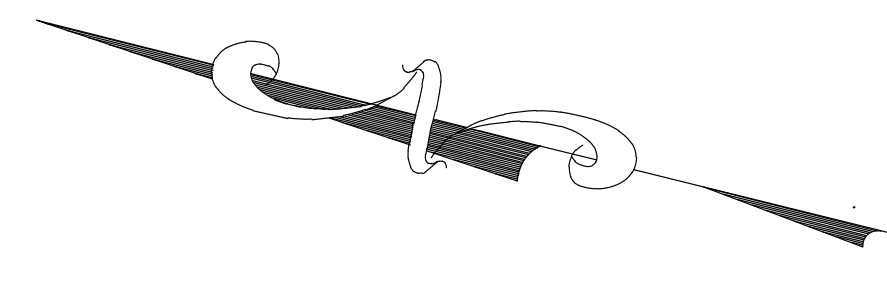
CONTRACTOR NOTE:
FOR PAVEMENT MARKINGS & SIGNAGE SEE SHEETS C-45
AND C-46.

PLAN
SCALE: 1" = 40'

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FOR CONTINUATION SEE SHEET C-33



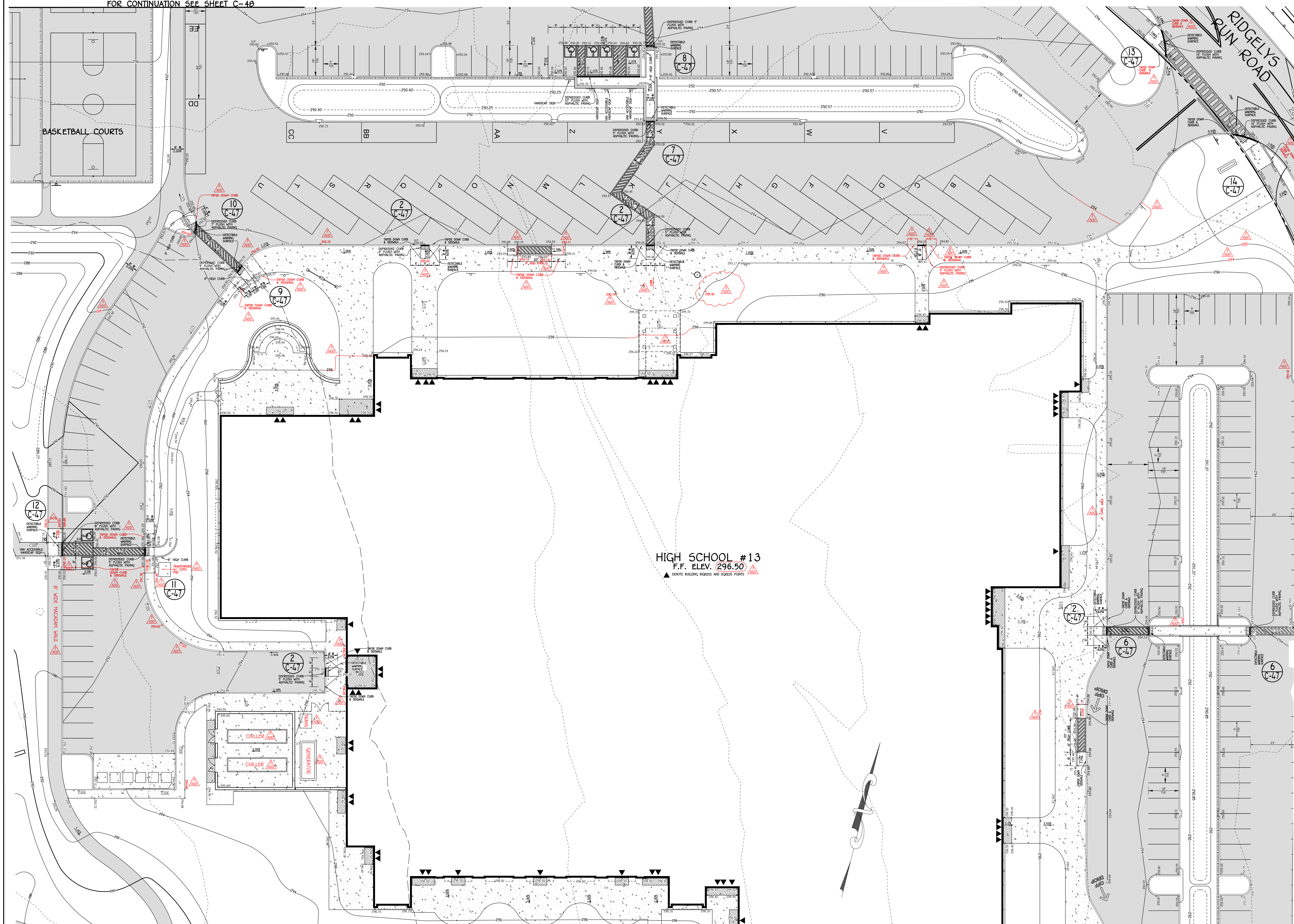
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HANDICAP ACCESS PLAN

C-32

FOR CONTINUATION SEE SHEET C-48



HIGH SCHOOL #13
F.F. ELEV. 296.50

FOR CONTINUATION SEE SHEET C-32

PLAN
SCALE: 1" = 20'



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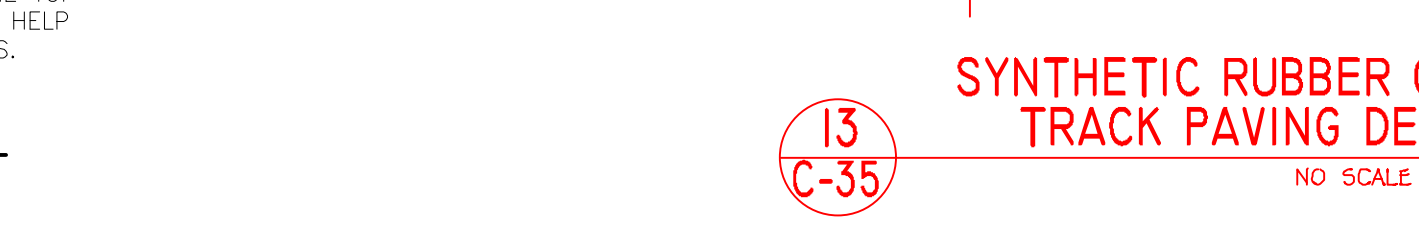
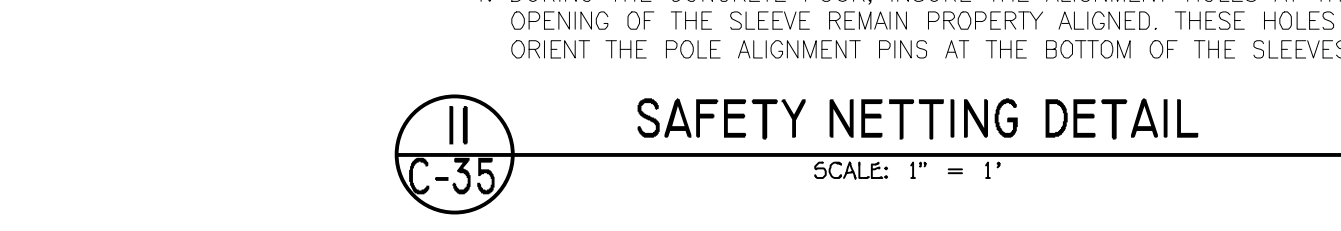
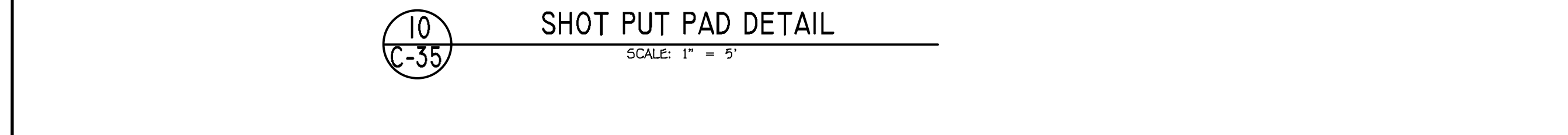
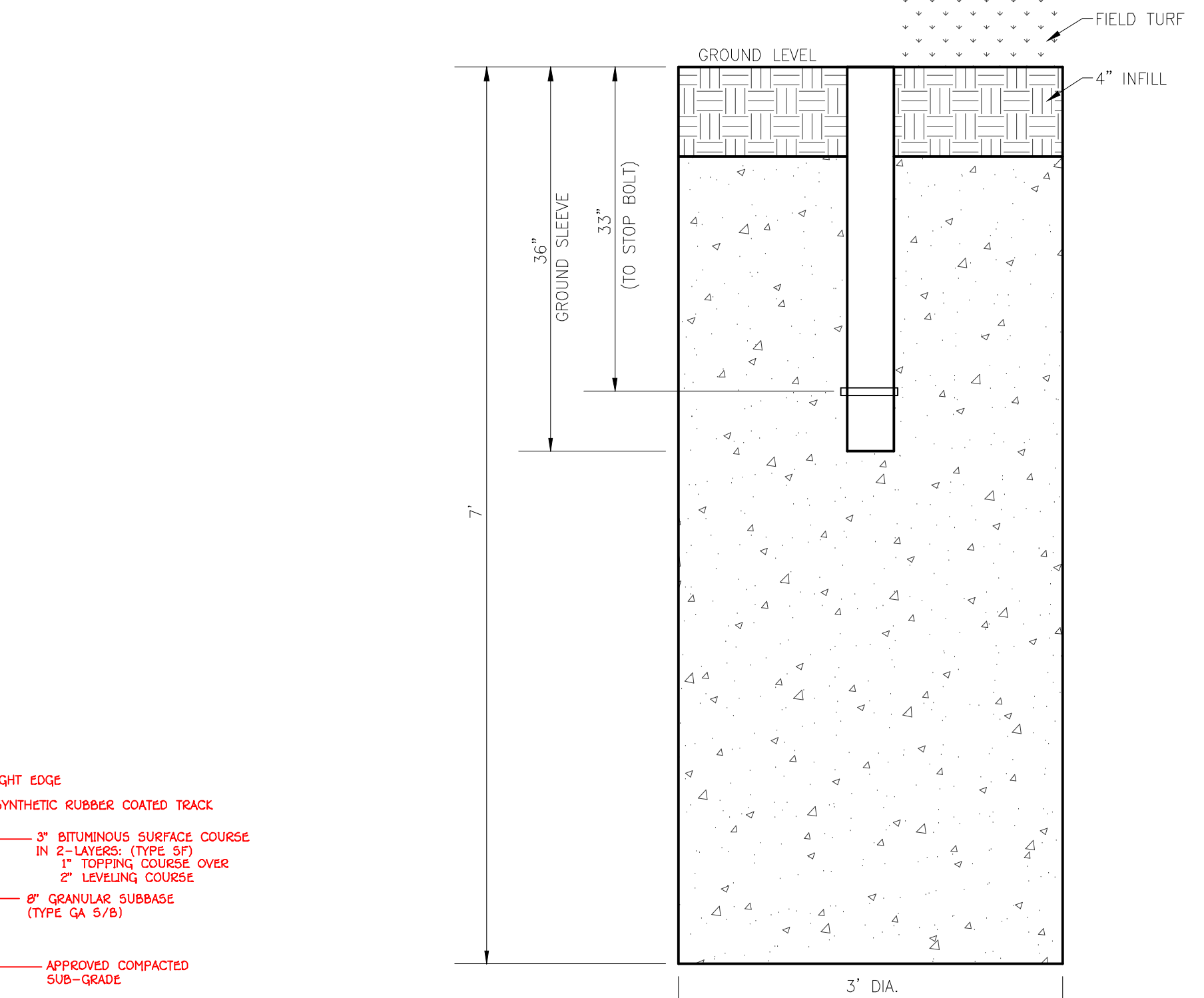
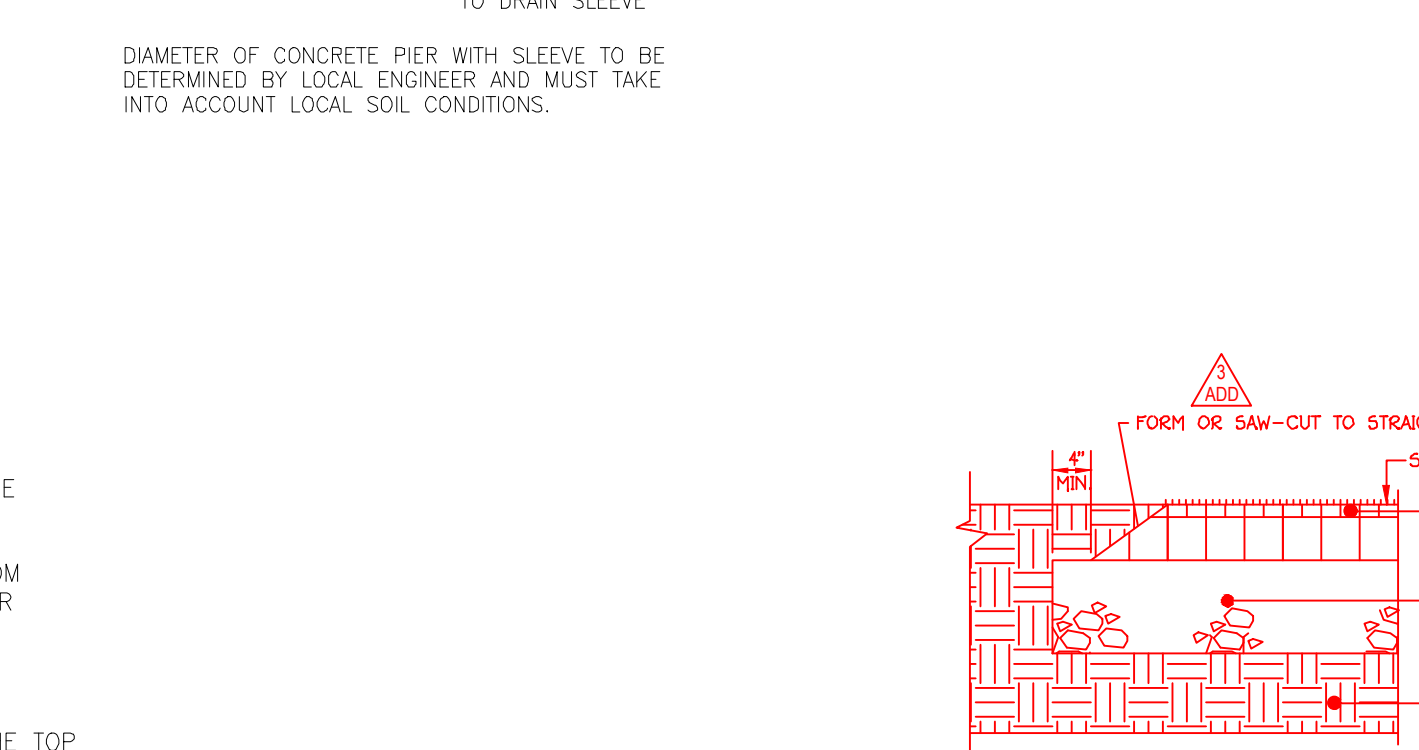
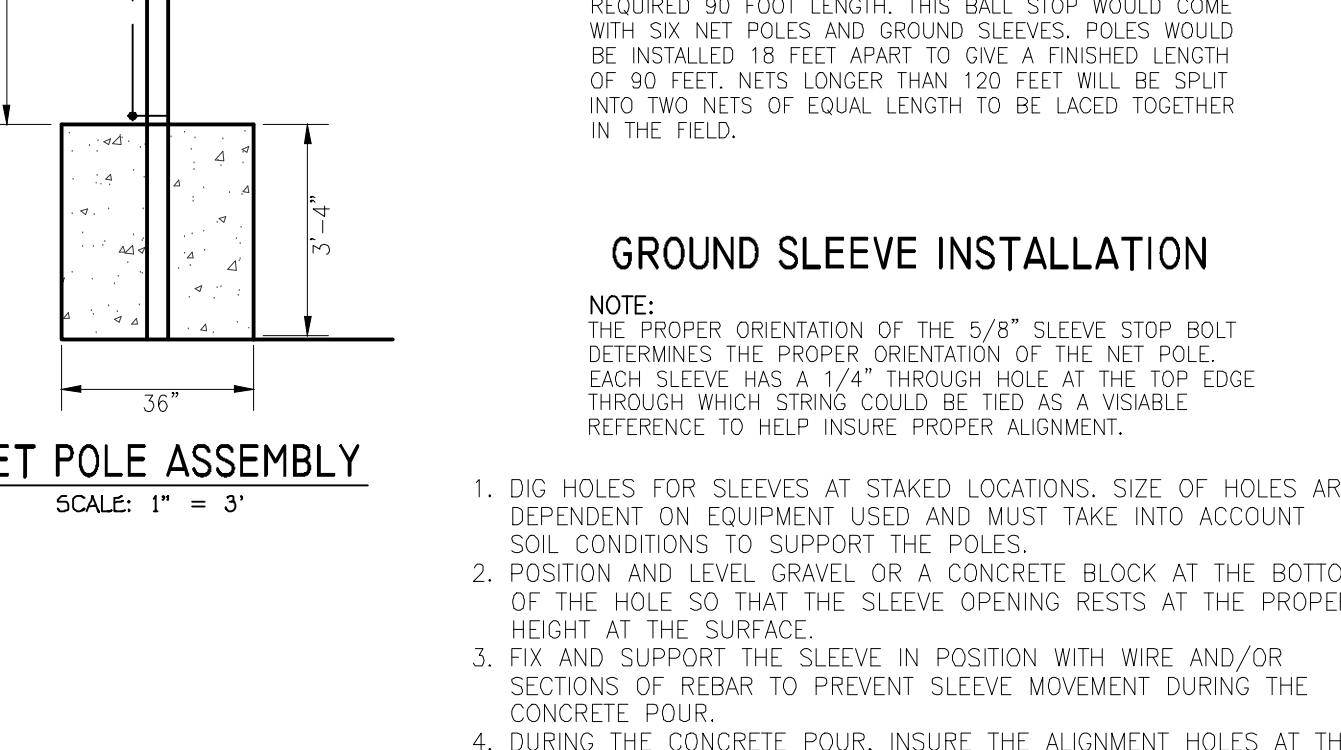
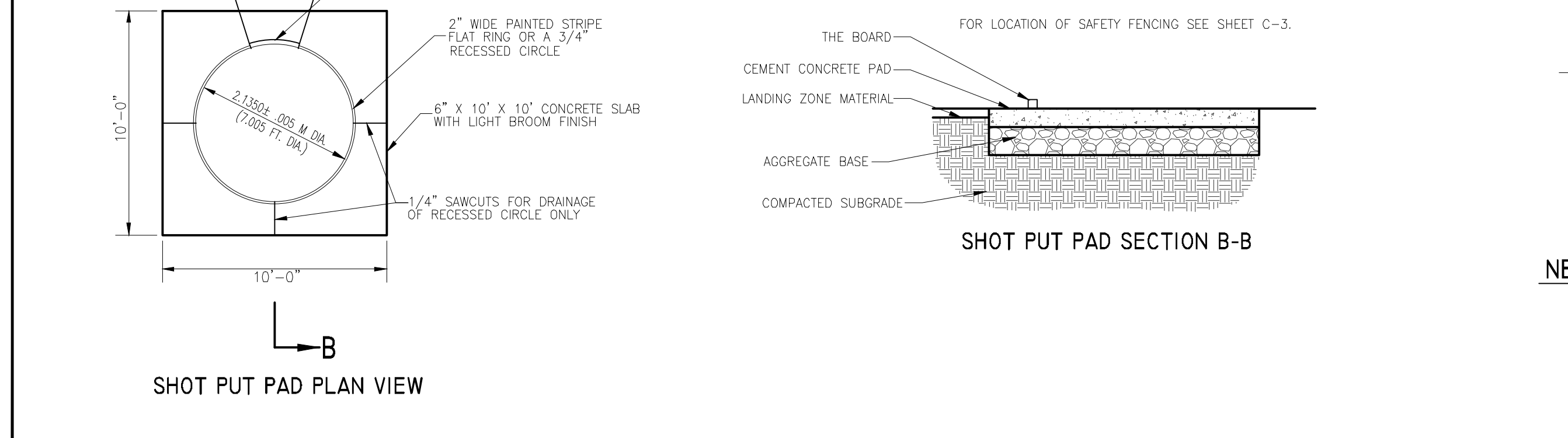
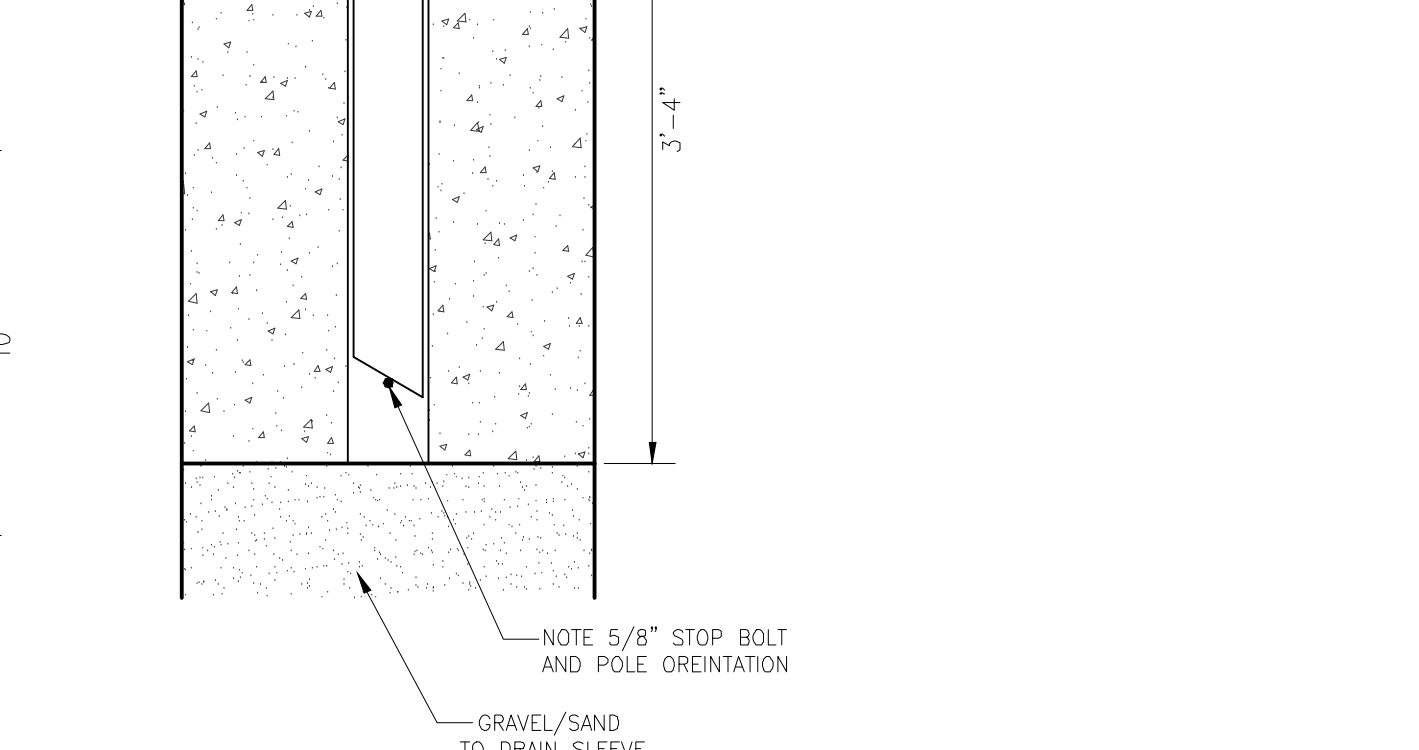
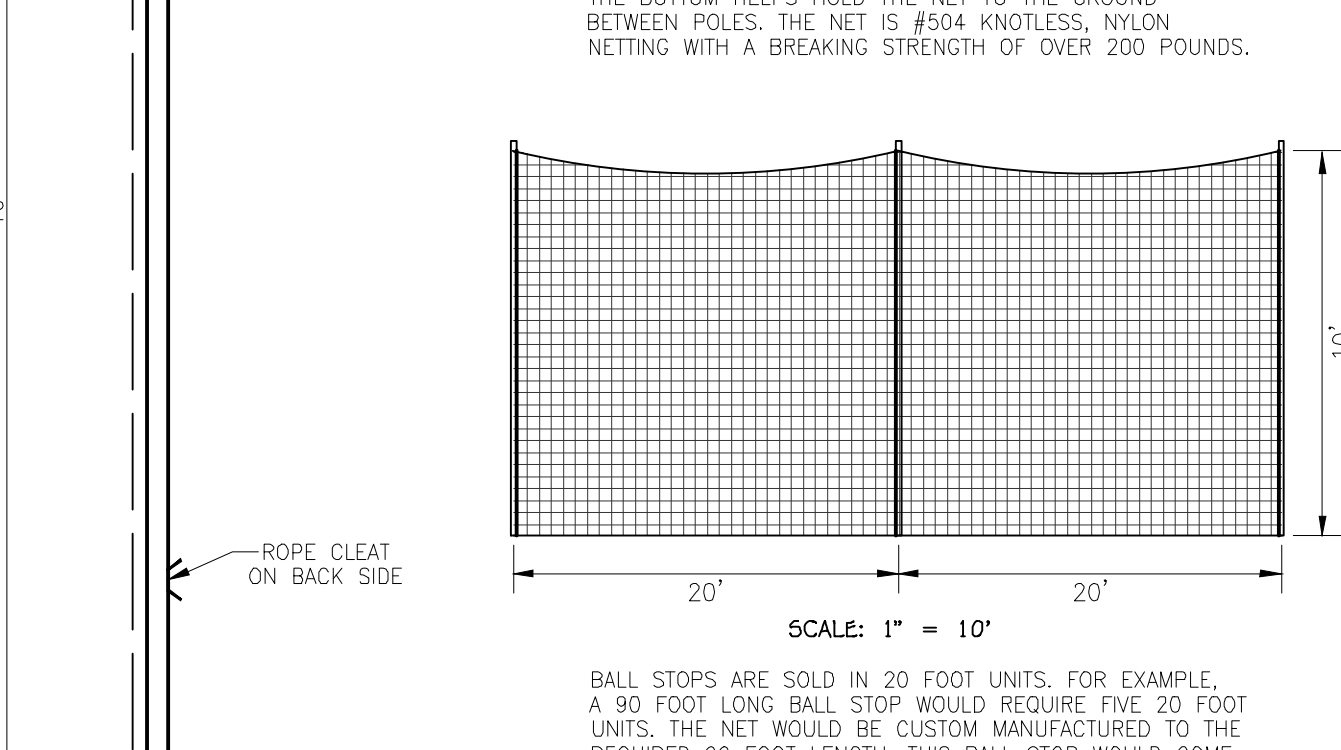
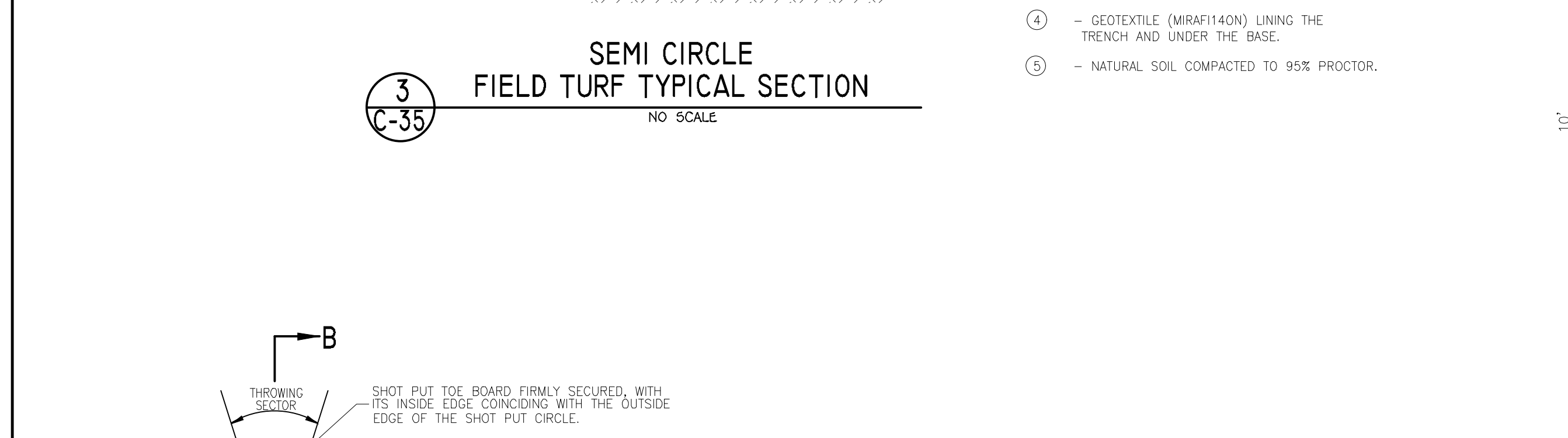
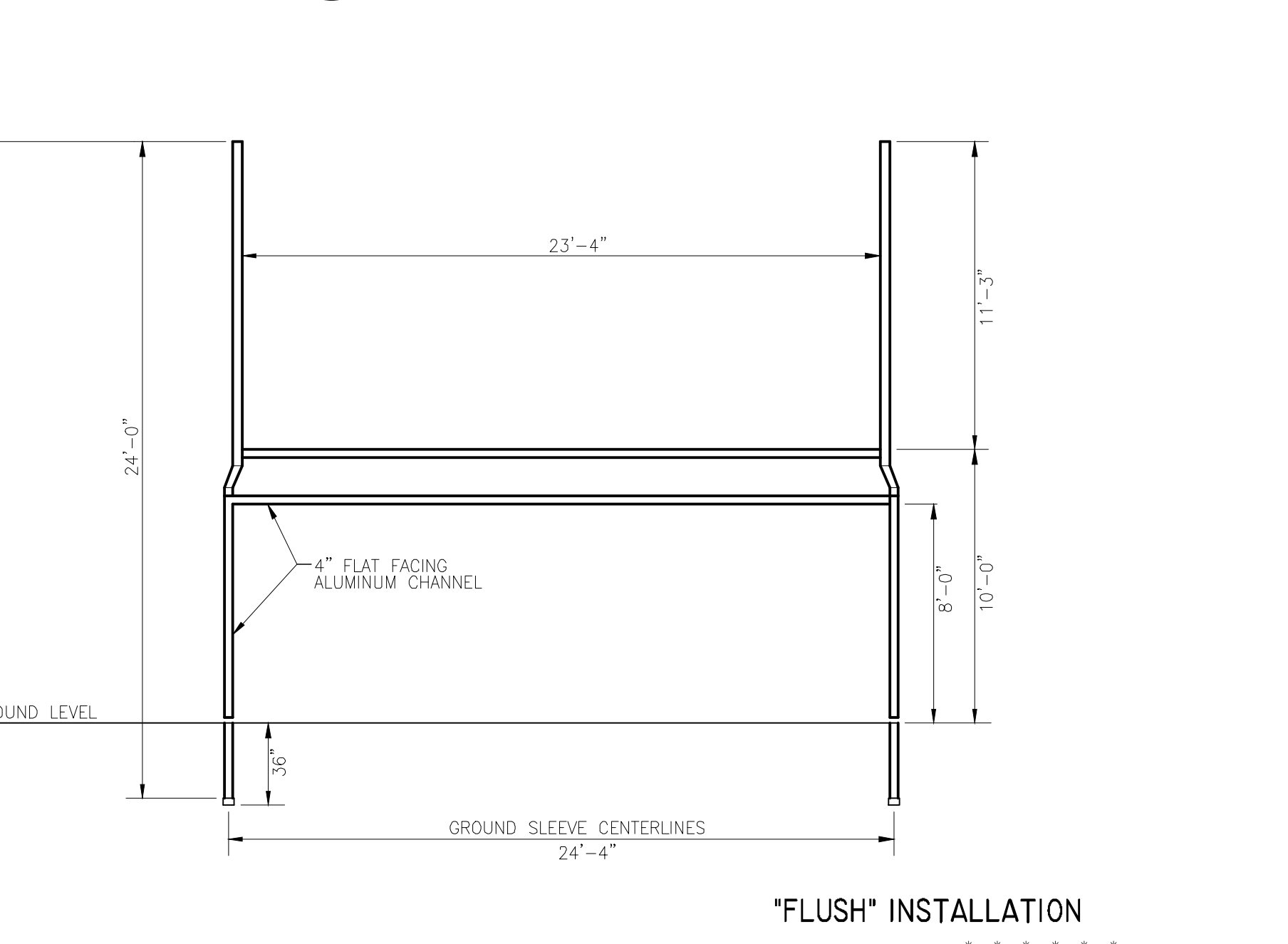
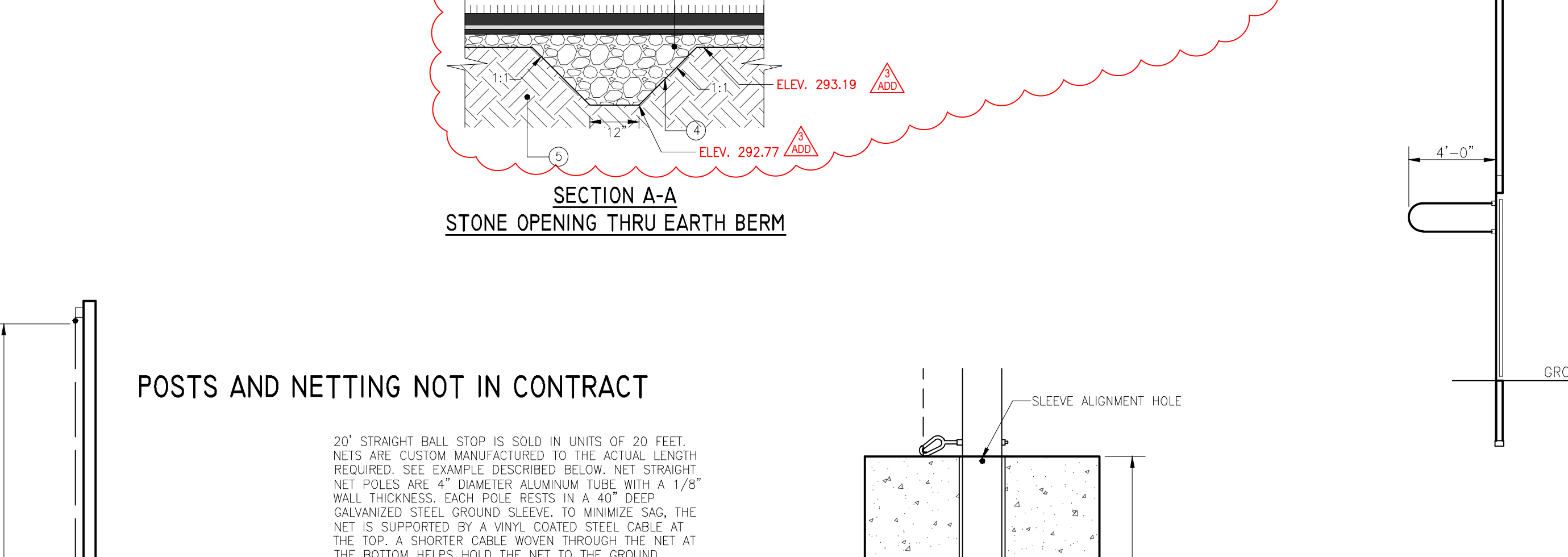
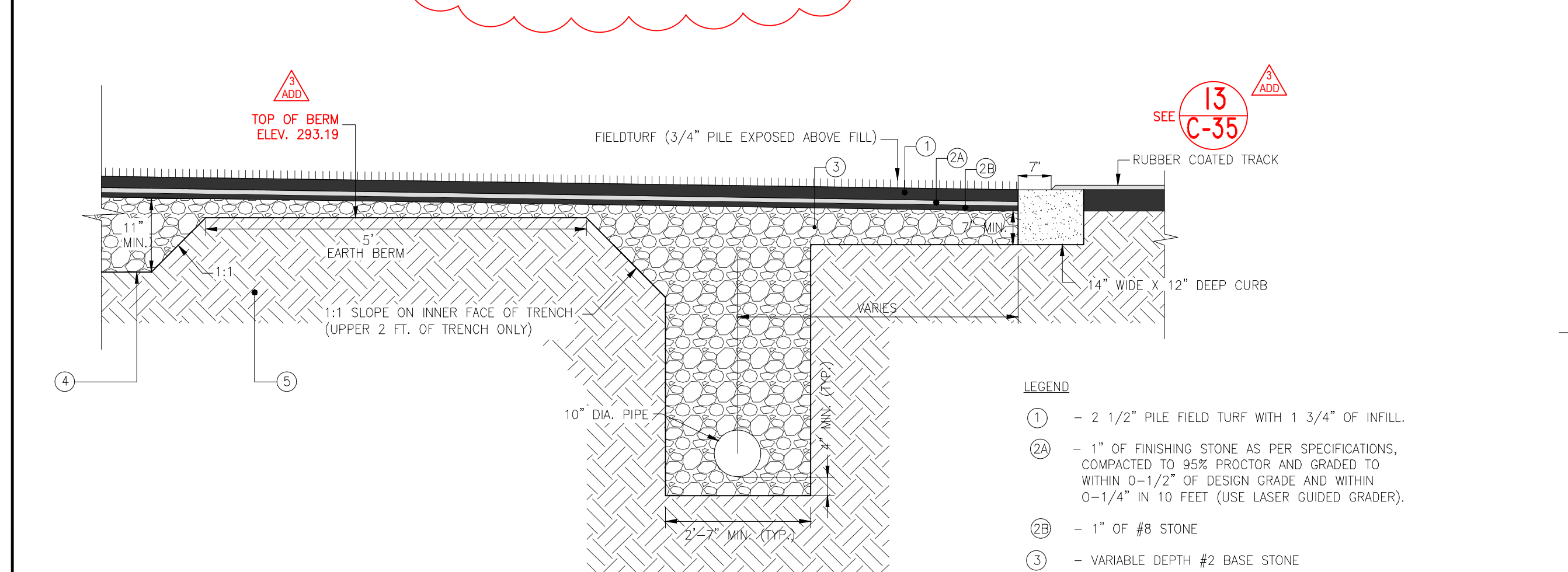
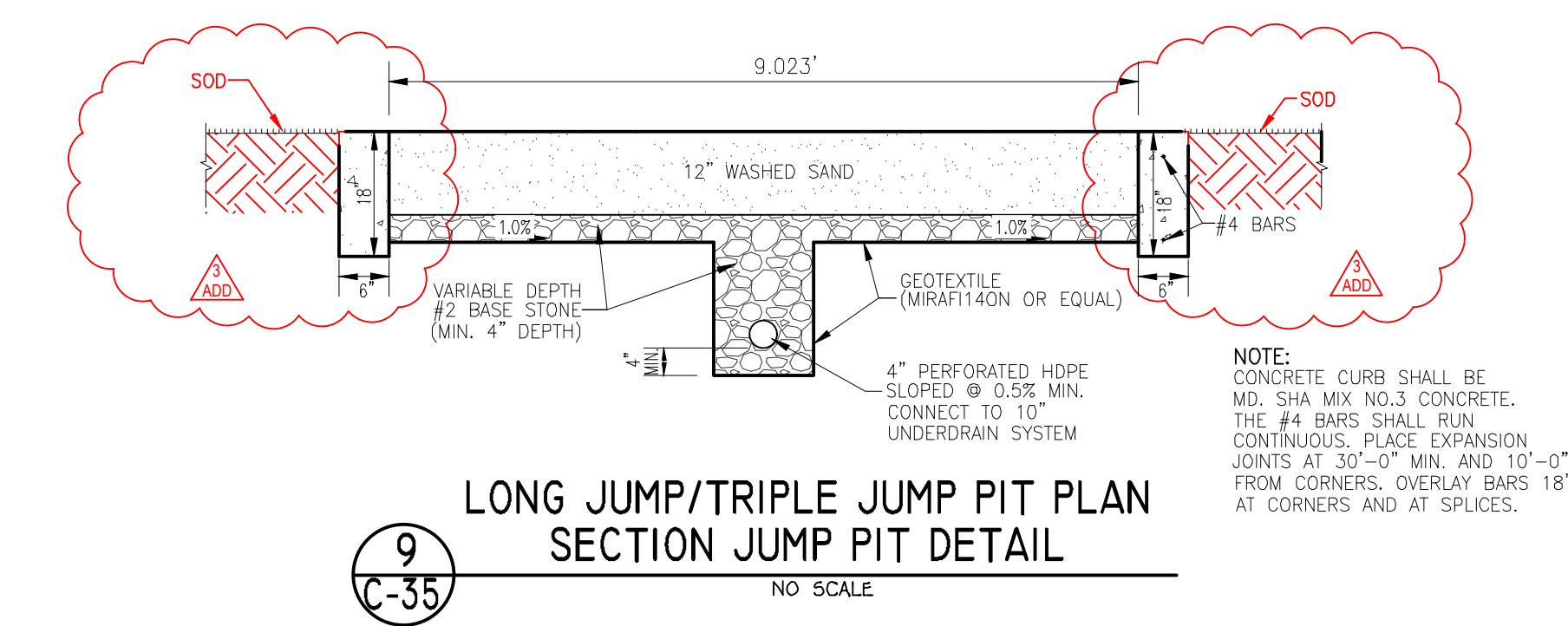
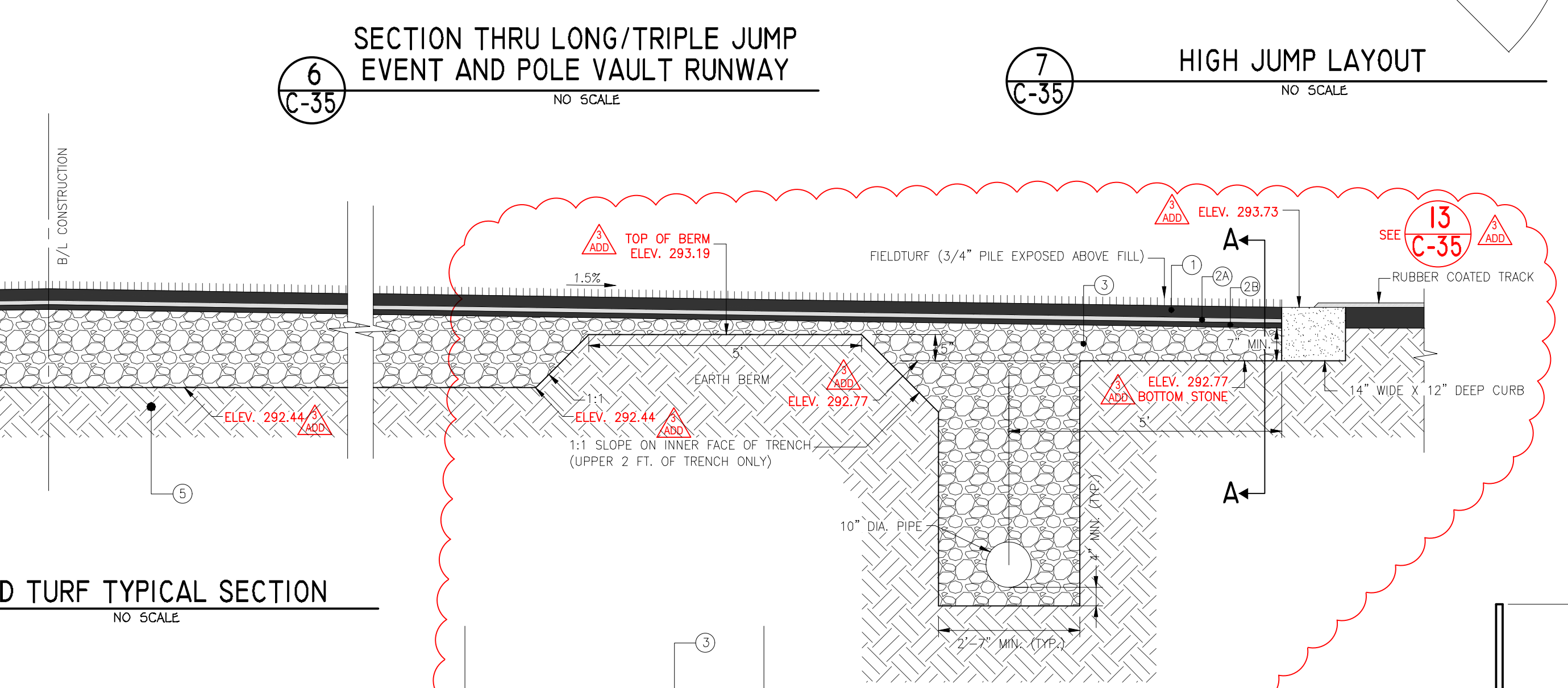
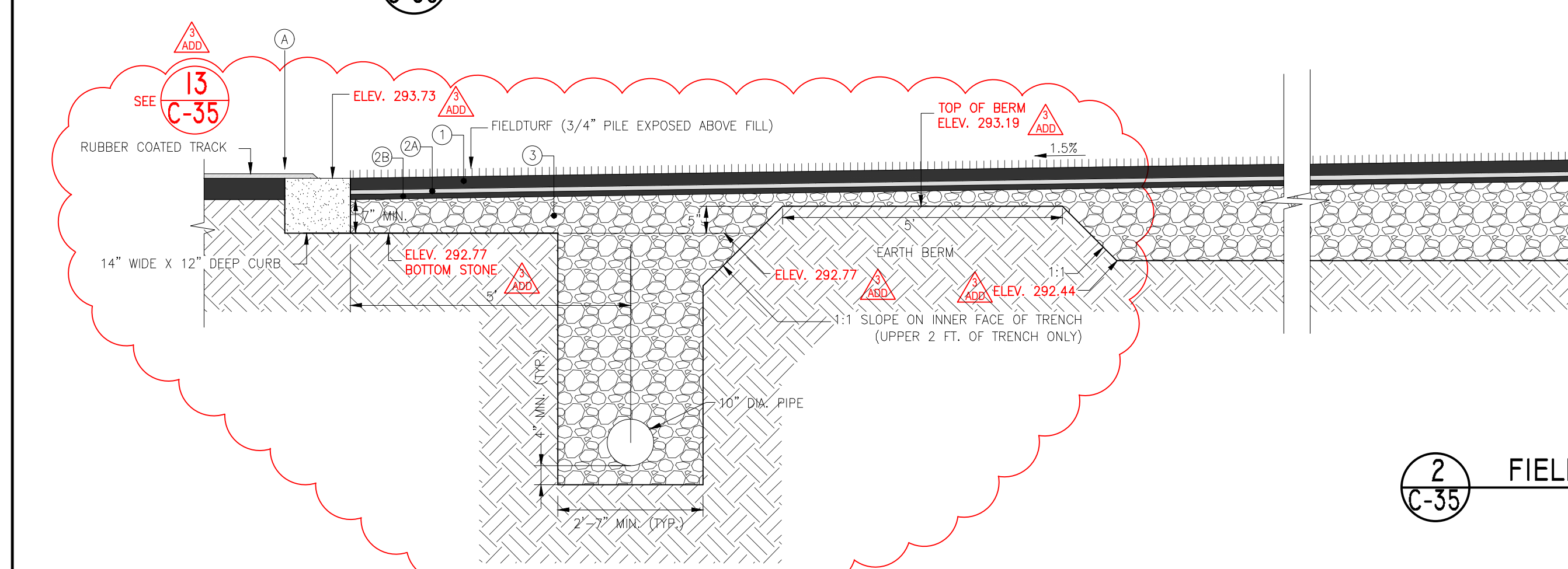
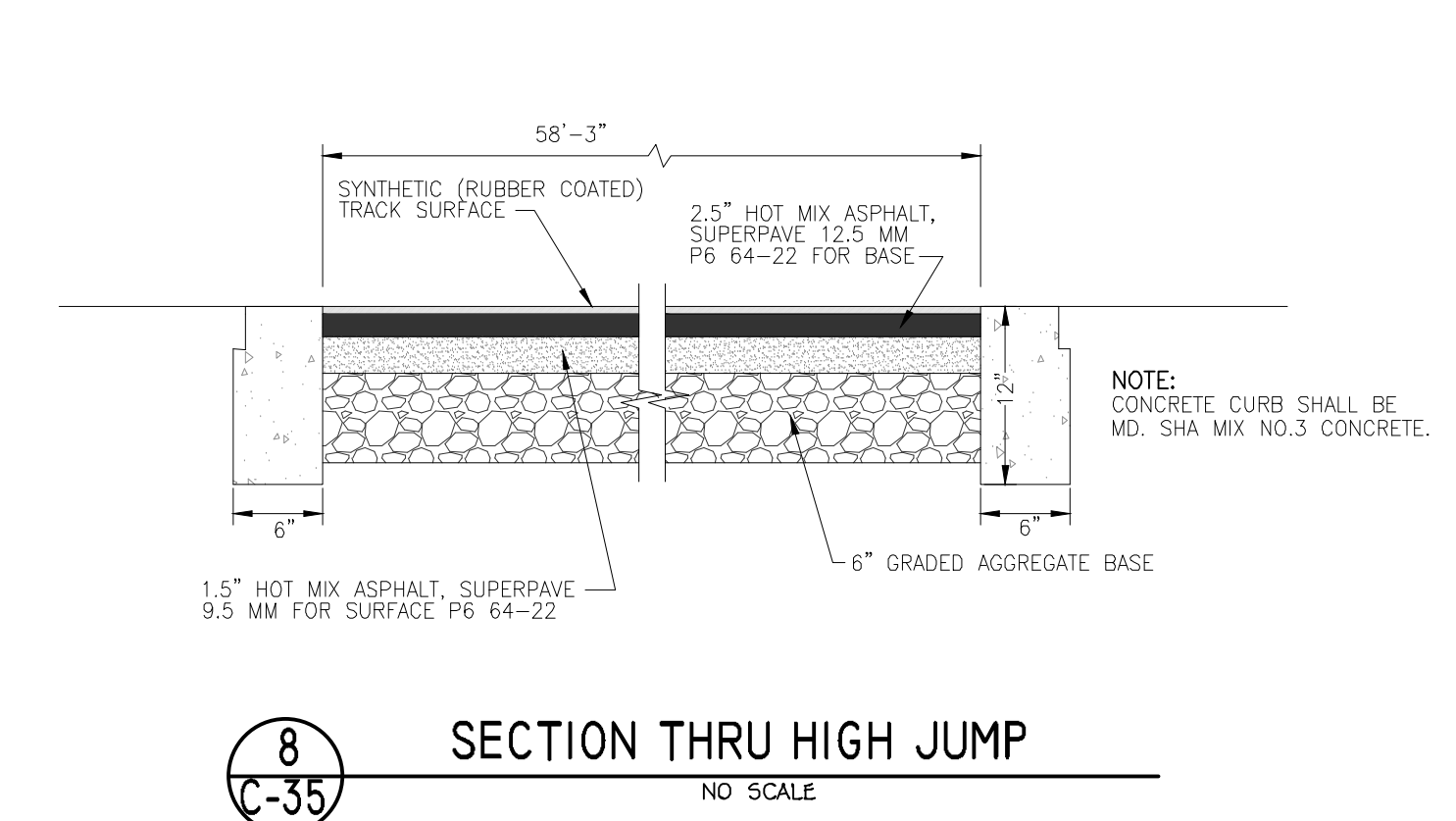
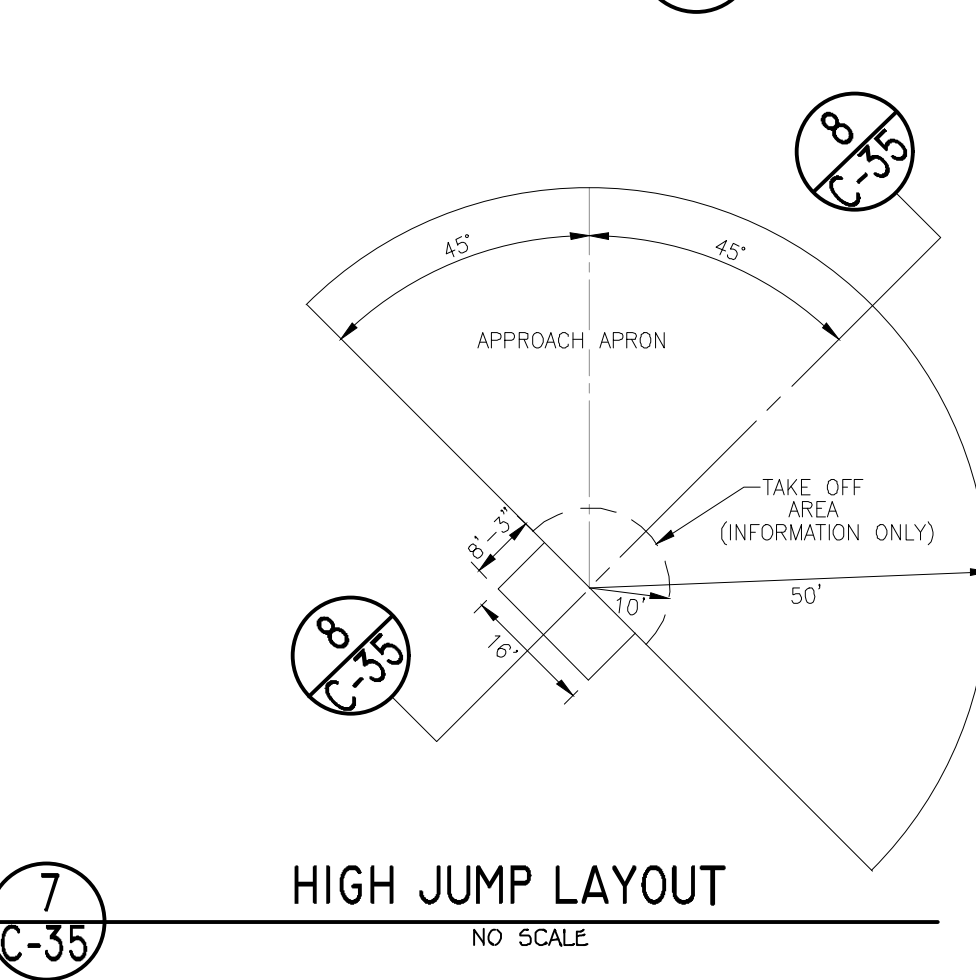
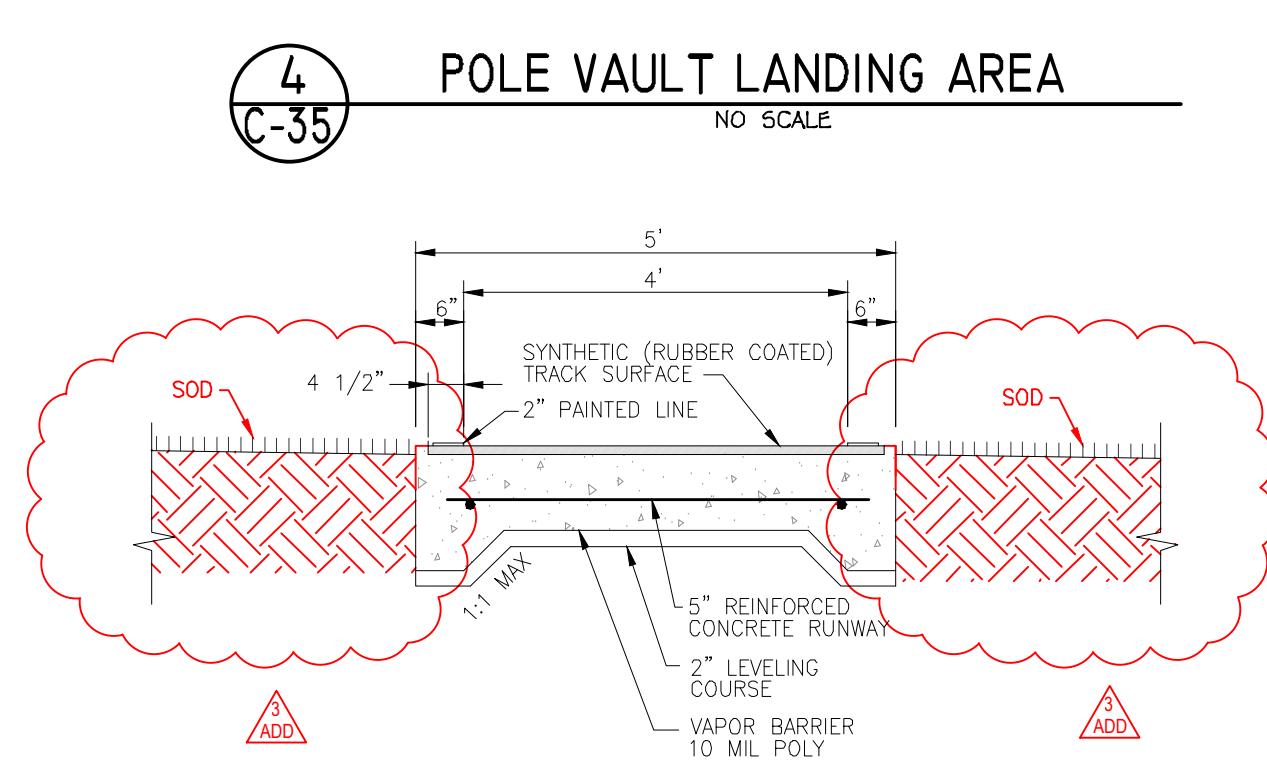
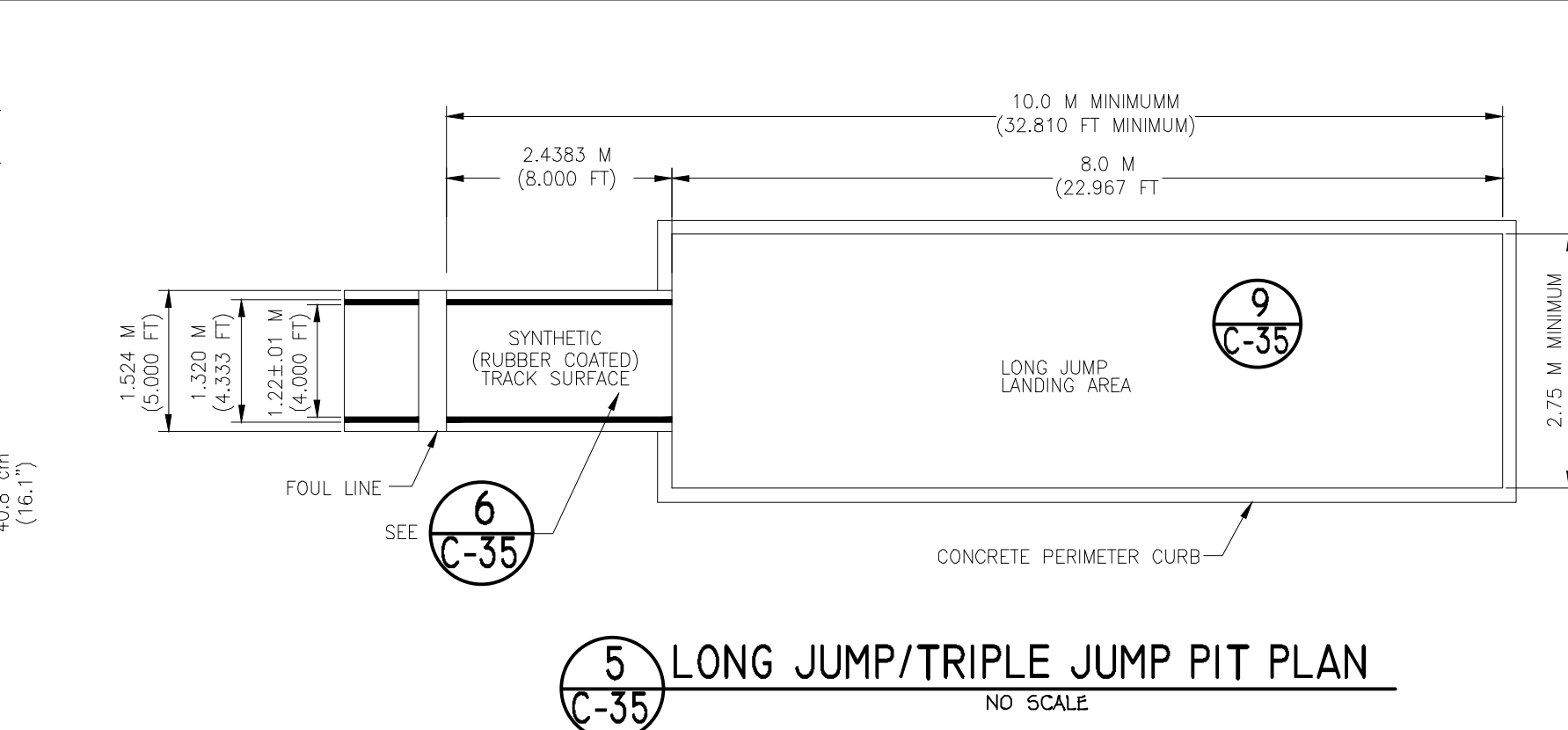
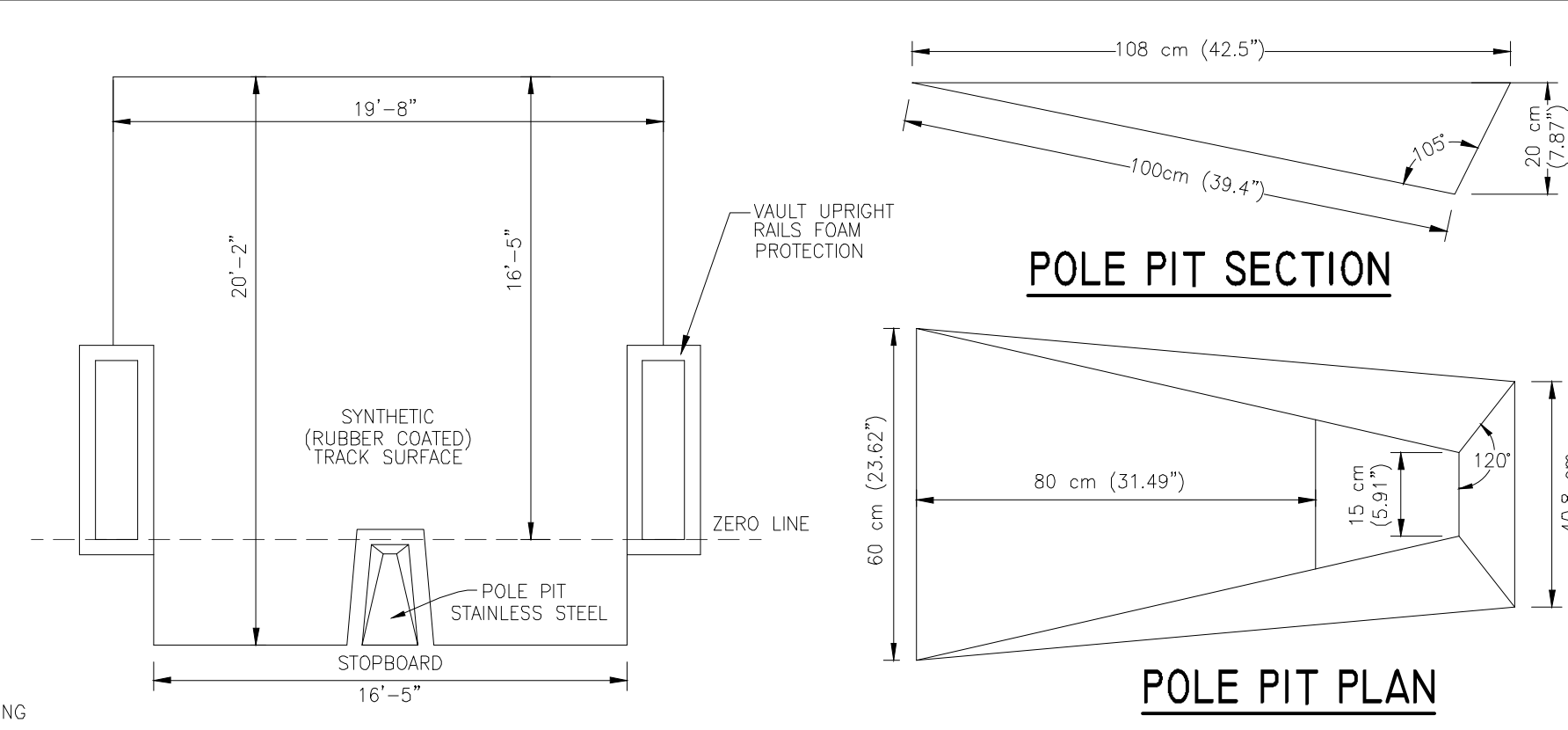
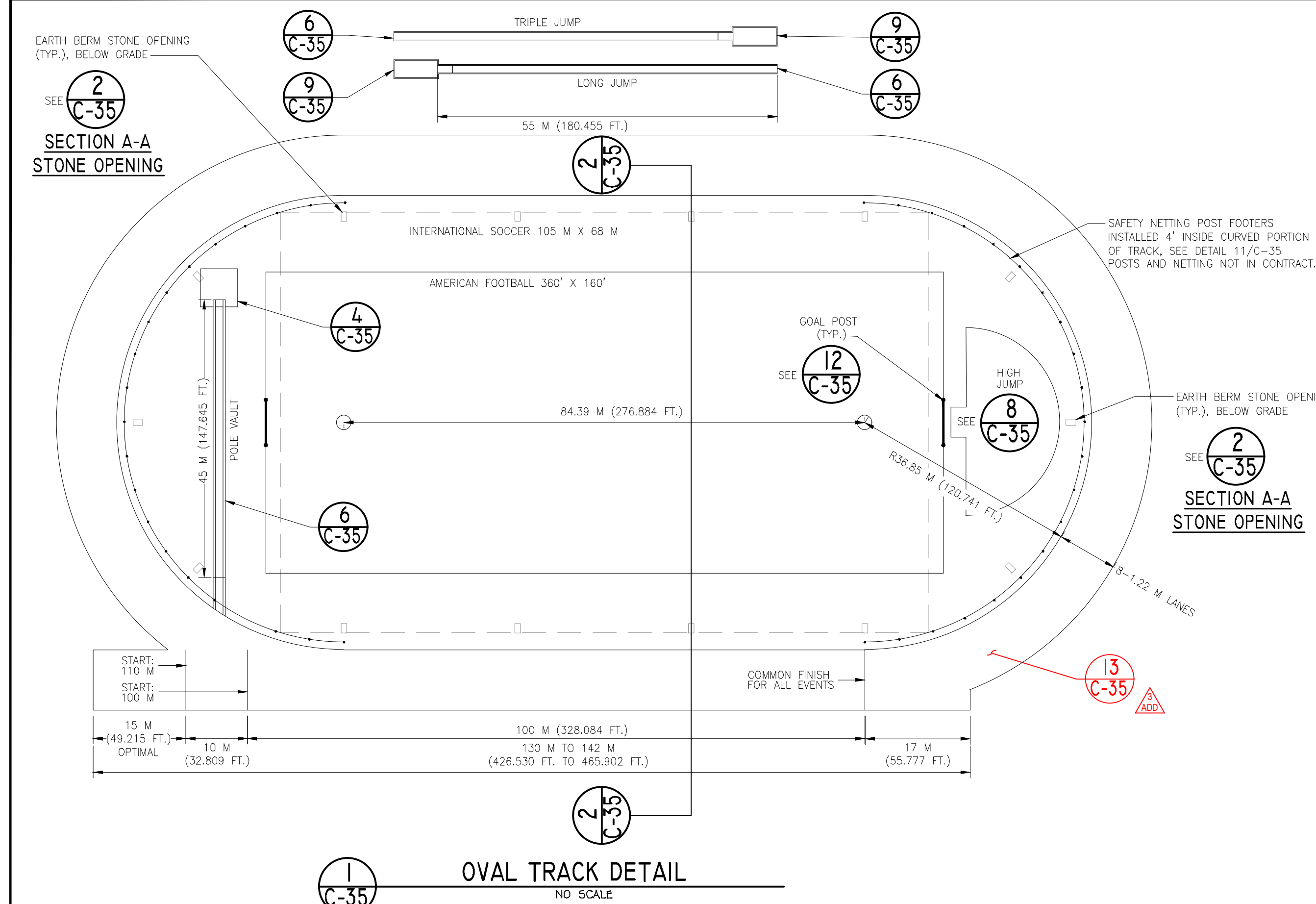
HIGH SCHOOL #13
JESSUP, MARYLAND
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

revisions
IAC CD REVIEW 8 OCTOBER 19
BUILDING PERMIT 7 JANUARY 20
ADDENDUM NO. 3 14 FEBRUARY 20

BID AND CONSTRUCTION
7 JANUARY 20

HANDICAP
ACCESS
PLAN

C-33



tca architects
1389 Generals Highway • Chantilly, Maryland 21022

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENAL SQUARE OFFICE PARK • SUITE 200 BALTIMORE NATIONAL FILE
COLUMBIA, MARYLAND 21046
(410) 461-2895

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
DIVISION OF STATE HIGHWAYS
PROFESSIONAL ENGINEER

HIGH SCHOOL #13
JESSUP, MARYLAND
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

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TRACK DETAILS

C-35

35 OF 91
PROJECT NO.



FISHER COLLINS & CARTER, INC.
Civil, Landscape, Consulting & Landmark Structures
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 401-2225

HIGH SCHOOL #13
JESSUP, MARYLAND
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

PUMP STATION SPECIFICATIONS:
NAME: HOWARD COUNTY HIGH SCHOOL #13
STATION MODEL: WMSTV-5000-1-15-480-3-145-95
STATION TOTAL PERFORMANCE: 145 GPM @ 95 PSI

PRESSURE DROP START

PUMP HORSEPOWER:
PUMP NO.1: 15 HP (3600 RPM)

CHECK VALVE SIZES:
PUMP NO.1: 3"

ISOLATION VALVE SIZES:
DISCHARGE ISOLATION VALVE SIZE: 3"
DISCHARGE MANIFOLD SIZE: 3"

RECOMMENDED DISCONNECT: 60 AMP
POWER REQUIREMENTS: 480V, 60 HZ, 3 PHZ, 26 FLA

STATION COMPONENTS:
A 15HP PUMP AND MOTOR
B LOW LEVEL FLOAT
C PUMP DISCHARGE PIPE
D PRESSURE TRANSDUCER W/ GAUGE
E PUMP FLOW SENSOR
F DISCHARGE ISOLATION VALVE
G FILTER ISOLATION VALVE
H PAINTED STEEL ENCLOSURE (SANDSTONE)
I HIGH VOLTAGE POWER BOX
J N/A
K LEVEL TRANSDUCER
L PUMP ISOLATION VALVE
M NEMA 4X REMOTE DISCONNECT
N NEMA 4X LOW VOLTAGE ELECTRICAL J-BOX
O DISCONNECT SWITCH
P PAINTED STEEL BASE (SANDSTONE)
Q FLOW INDUCER SLEEVE FOR MOTOR COOLING
R CHECK VALVE
S HOOD MOUNTED FAN
T AUTOMATIC SELF-CLEANING FILTER

<input type="checkbox"/> APPROVED AS SUBMITTED	7				DRAWN BY: RWE DATE: 10/22/19
<input type="checkbox"/> APPROVED AS NOTED	6				CHECKED BY: DATE:
<input type="checkbox"/> REVISE AND RESUBMIT	5				TITLE: HOWARD COUNTY HS #13 IRRIGATION PUMP STATION SCALE: NTS SHEET 1 OF 1 SHEETS JOB NO.: DRAWING NO. PRST13891
SIGNATURE:	4				
NAME:	3				
DATE:	2				
	1				
	NO.	DATE	BY	DESCRIPTION	

revisions
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7 JANUARY 20

IRRIGATION
PUMP SYSTEM
DETAILS AND
NOTES

C-53

I:\2010\10027\Engineering\Drawings\10027_CD-53-55_CISTERN DETAILS.dwg, SHEET 53, 2/14/2020 10:54:09 AM, 1:1

LEGEND - RATED WALLS AND PARTITIONS, FIREPROOFING:

- 2-HOUR FIRE-RATED WALL
- 1-HOUR FIRE-RATED PARTITION
- △△△△△△△△ WALL CAPABLE OF RESISTING THE PASSAGE OF SMOKE
- INDICATES EXTENTS OF FLOOR / ROOF STRUCTURE ABOVE TO RECEIVE SPRAYED FIRE RESISTIVE MATERIALS (SFRM)

GENERAL NOTES:

1. THIS PLAN IS DIAGRAMMATIC. REFER TO OTHER DRAWINGS FOR CONSTRUCTION REQUIREMENTS.
2. LOCATIONS OF FIRE-RATED PARTITIONS ARE SHOWN ON FIREPROOFING FLOOR PLANS, A-031 THRU A-033.
3. REFER TO 2/A-031 FOR RATED WALLS, PARTITIONS AND FIREPROOFING NOTES AND ADDITIONAL REQUIREMENTS.
4. REFER TO DETAIL 2/A-031 FOR REQUIREMENTS WHERE PIPING, DUCTWORK OR CONDUIT PENETRATE U.L. DESIGN ASSEMBLIES.

FIREPROOFING NOTE:

SFRM IS NOT REQUIRED FOR THIRD FLOOR STRUCTURE, BUT ROOF STRUCTURE OF STAIR REQUIRES SPRAY APPLIED FIREPROOFING

FIREPROOFING NOTE:

SFRM IS NOT REQUIRED FOR THIRD FLOOR STRUCTURE, BUT ROOF STRUCTURE OF STAIR REQUIRES SPRAY APPLIED FIREPROOFING

FIRE PROOFING NOTE:

SFRM NOT REQUIRED AT ROOF STRUCTURE OR DECK WHERE EVERY PART OF THE ROOF CONSTRUCTION IS 20'-0" OR MORE ABOVE THE FLOOR IMMEDIATELY BELOW (AREA SHOWN UNSHADED) [IBC TABLE 601 EX. B]

FIRE PROOFING NOTE:

SFRM NOT REQUIRED AT ROOF STRUCTURE OR DECK WHERE EVERY PART OF THE ROOF CONSTRUCTION IS 20'-0" OR MORE ABOVE THE FLOOR IMMEDIATELY BELOW (AREA SHOWN UNSHADED) [IBC TABLE 601 EX. B]

NOTE:

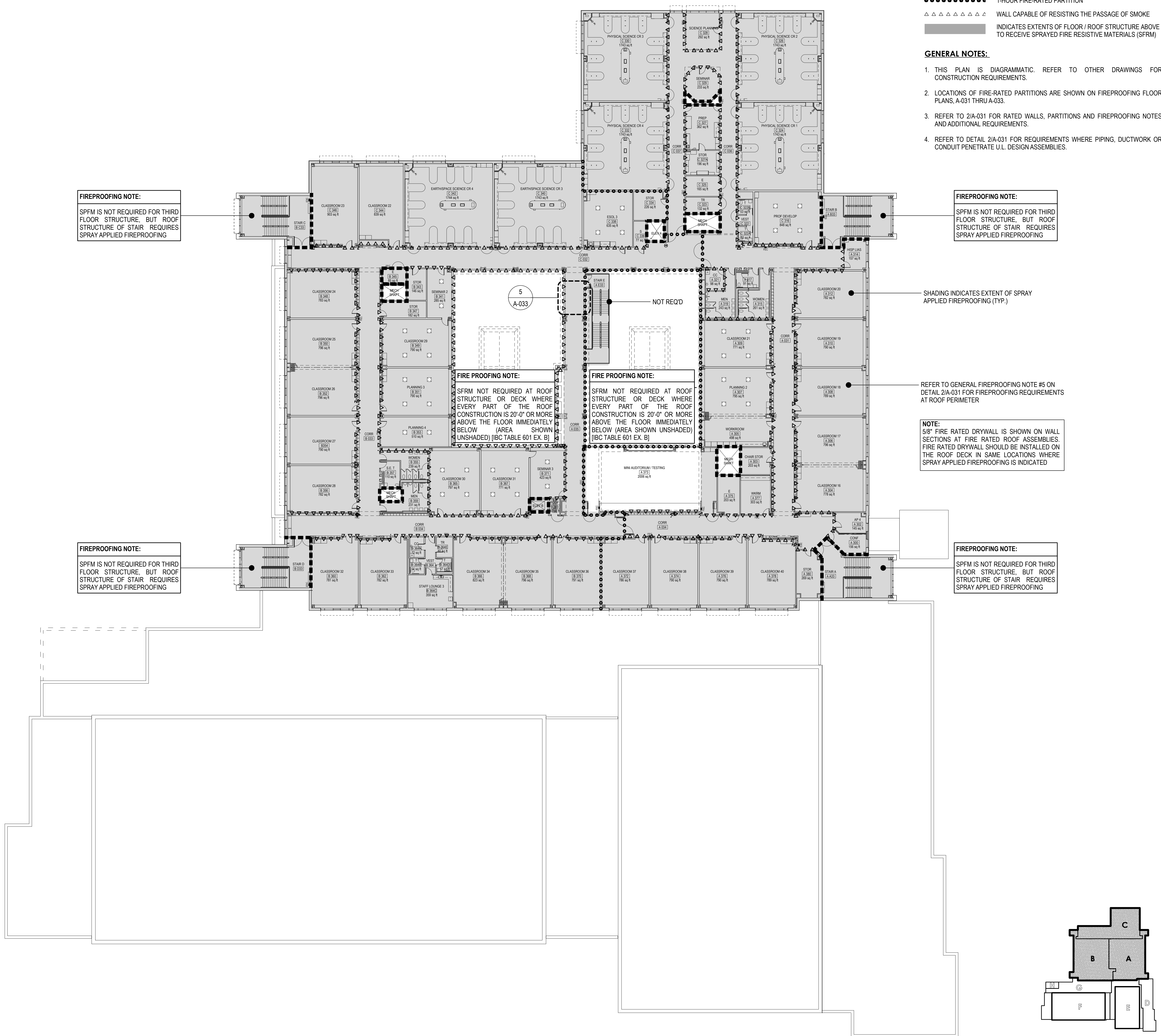
5/8" FIRE RATED DRYWALL IS SHOWN ON WALL SECTIONS AT FIRE RATED ROOF ASSEMBLIES. FIRE RATED DRYWALL SHOULD BE INSTALLED ON THE ROOF DECK IN SAME LOCATIONS WHERE SPRAY APPLIED FIREPROOFING IS INDICATED

FIREPROOFING NOTE:

SFRM IS NOT REQUIRED FOR THIRD FLOOR STRUCTURE, BUT ROOF STRUCTURE OF STAIR REQUIRES SPRAY APPLIED FIREPROOFING

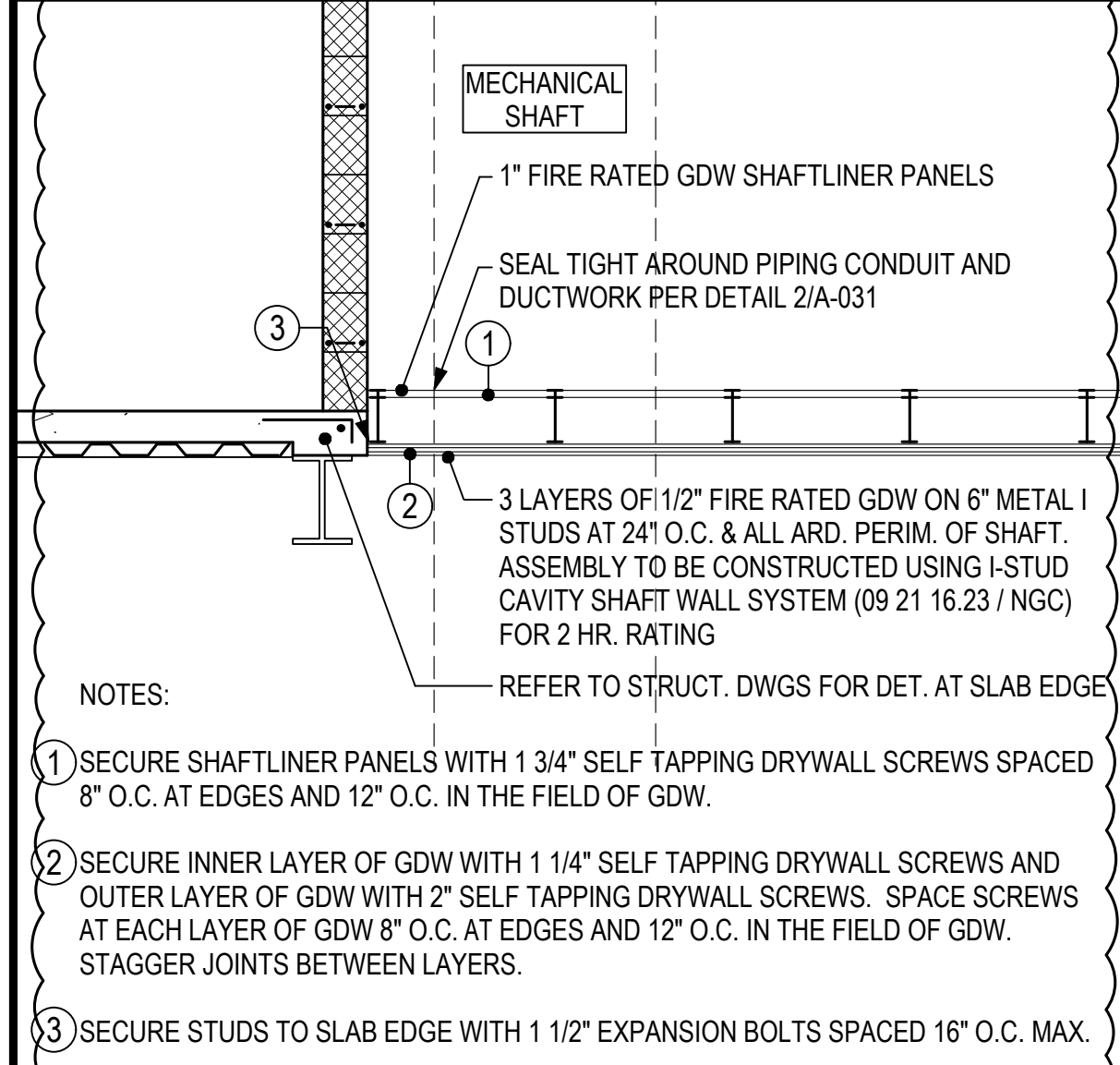
FIREPROOFING NOTE:

SFRM IS NOT REQUIRED FOR THIRD FLOOR STRUCTURE, BUT ROOF STRUCTURE OF STAIR REQUIRES SPRAY APPLIED FIREPROOFING

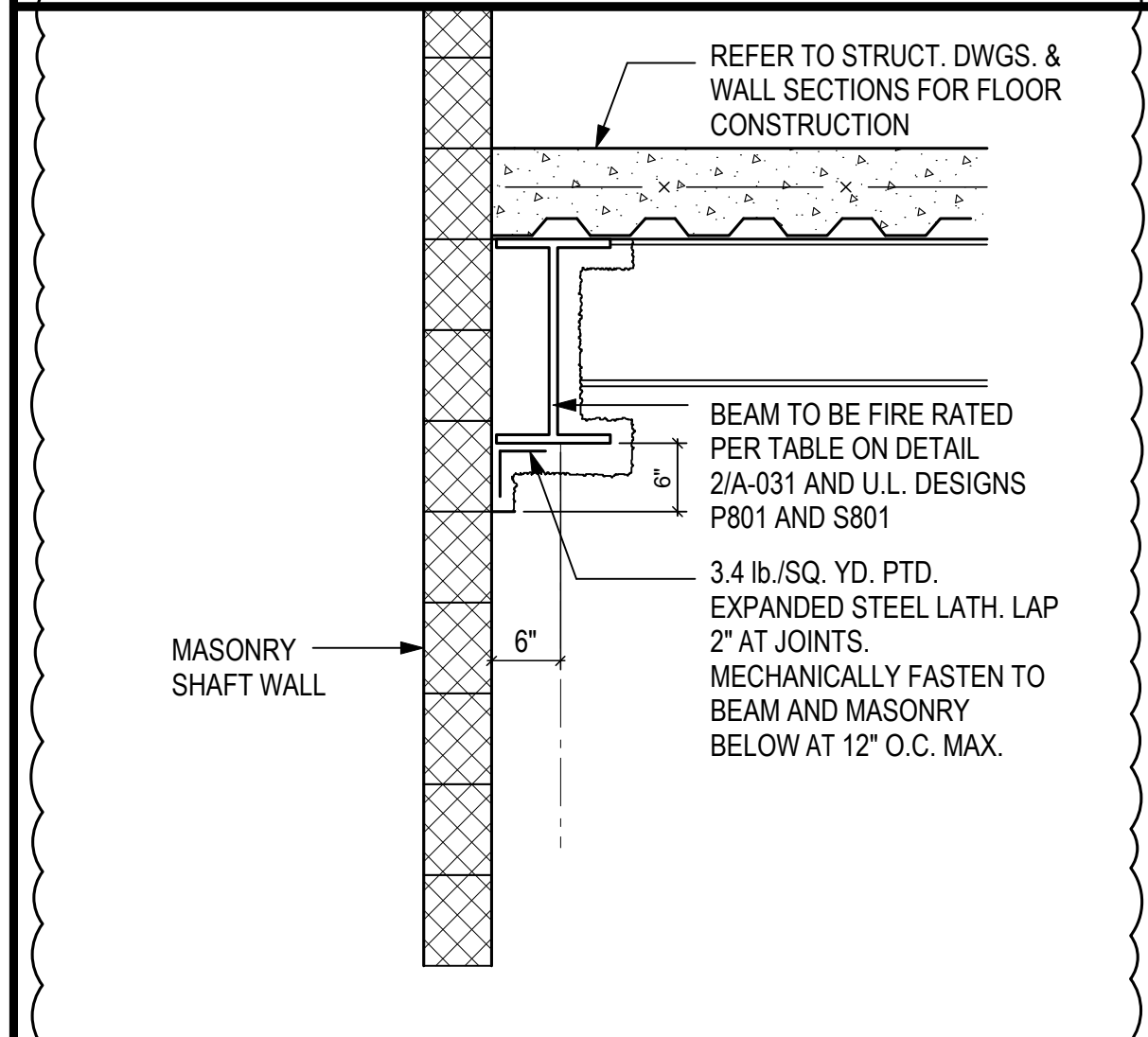


1 RATED WALLS, PARTITIONS AND FIREPROOFING PLAN - THIRD FLOOR
A-033 SCALE: 1" = 20'-0"
DIAGRAMMATIC FLOOR PLAN ONLY.
NOT TO BE USED FOR CONSTRUCTION PURPOSES.

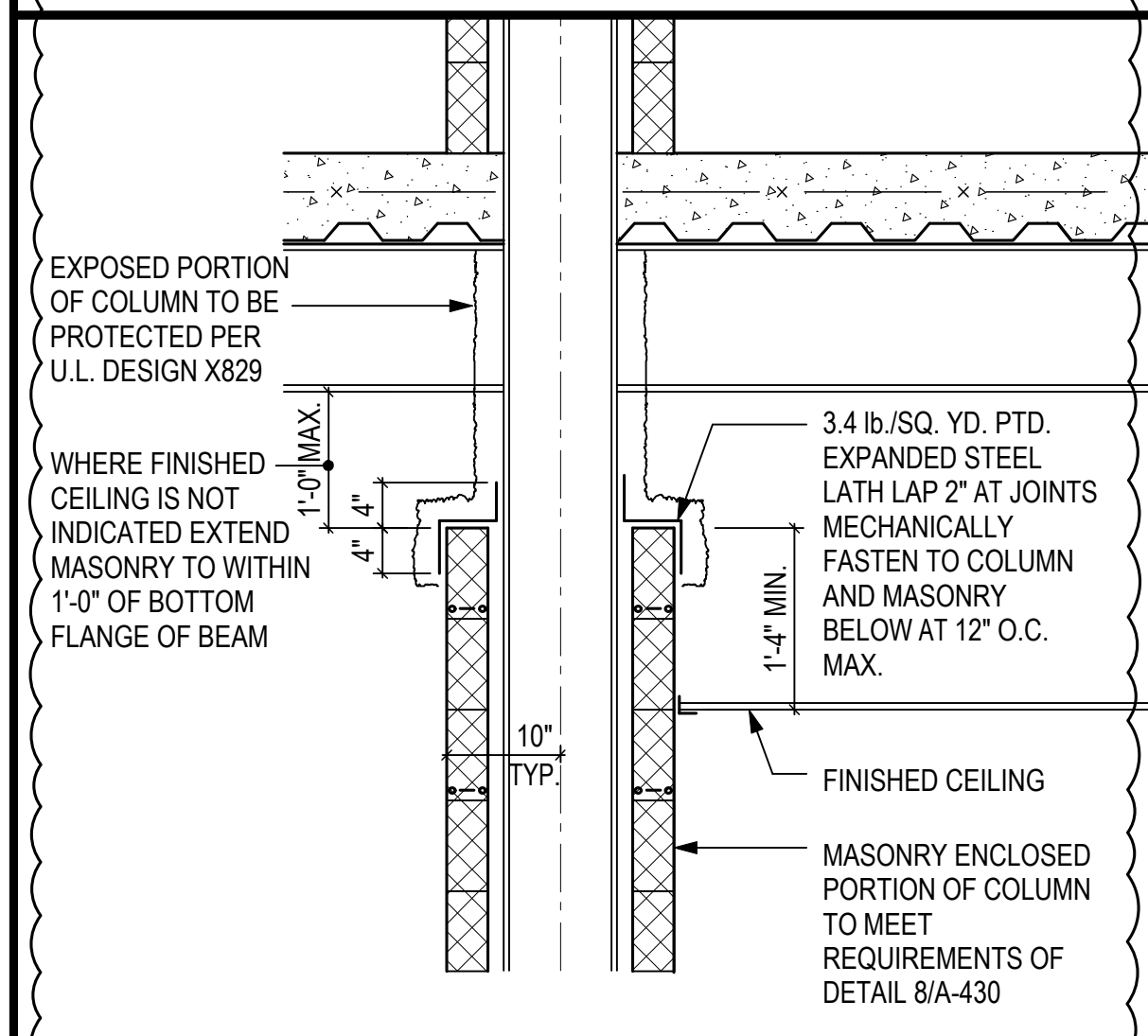
5 RATED WALLS, PARTITIONS AND FIREPROOFING PLAN - FOURTH FLOOR
A-033 SCALE: 1" = 20'-0"



4 FIRE RATED SHAFT ENCLOSURE
A-033 SCALE: 1/2" = 1'-0"



3 BEAM FIREPROOFING DETAIL AT MASONRY SHAFTS
A-033 SCALE: 3/4" = 1'-0"



2 COLUMN FIREPROOFING DETAIL
A-033 SCALE: 3/4" = 1'-0"



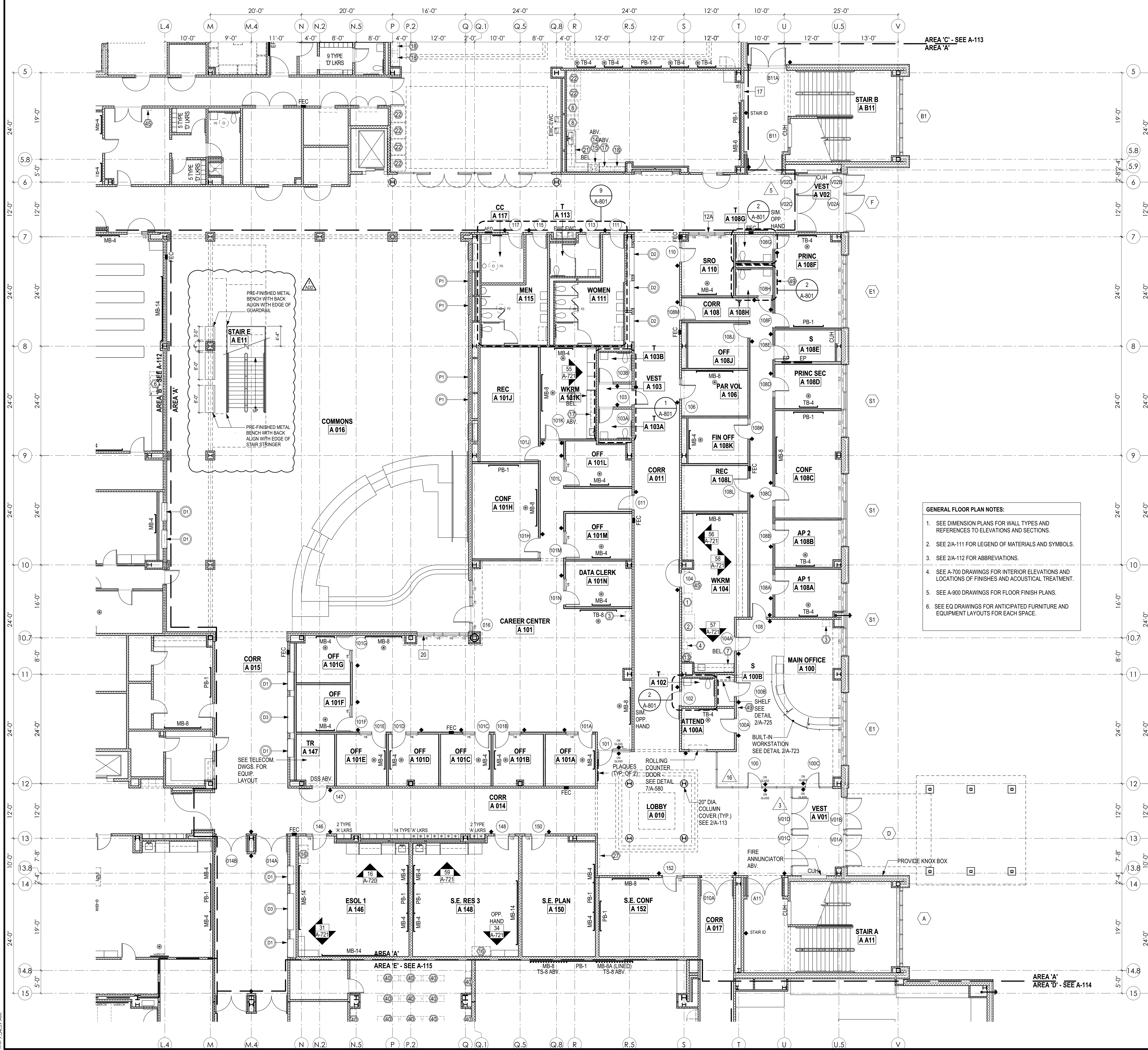
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BID AND CONSTRUCTION 7 JANUARY 20

FIREPROOFING PLAN THIRD FLOOR

A-033



GENERAL FLOOR PLAN NOTES:

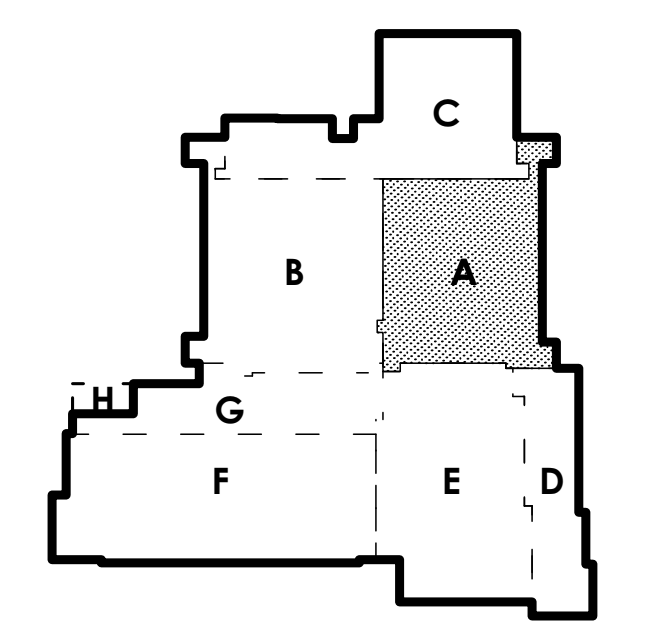
- SEE DIMENSION PLANS FOR WALL TYPES AND REFERENCES TO ELEVATIONS AND SECTIONS.
- SEE 2/A-111 FOR LEGEND OF MATERIALS AND SYMBOLS.
- SEE 2/A-112 FOR ABBREVIATIONS.
- SEE A-700 DRAWINGS FOR INTERIOR ELEVATIONS AND LOCATIONS OF FINISHES AND ACOUSTICAL TREATMENT.
- SEE A-900 DRAWINGS FOR FLOOR FINISH PLANS.
- SEE EQ DRAWINGS FOR ANTICIPATED FURNITURE AND EQUIPMENT LAYOUTS FOR EACH SPACE.

- LEGEND FOR ARCHITECTURAL DRAWINGS**
- EARTH
 - GRANULAR BASE
 - CONCRETE
 - C.M.U.
 - C.M.U. WITH CORES FILLED SOLID W/ MORTAR
 - BRICK
 - RIGID INSULATION
 - BATT INSULATION
 - STEEL (LARGE SCALE)
 - DIMENSIONED LUMBER
 - FINISH WOOD
 - WOOD SHIM OR FILLER
 - 2 - DETAIL NUMBER (MAY ALSO APPEAR AS 2/A-301)
 - A-301 - SHEET NUMBER

- 121 - DOOR NUMBER - SEE DOOR SCHEDULE ON A-600 DRAWINGS
- # - HOLLOW METAL TYPES - SEE 1/A-610
- ▲ - FIRE-RATED ALUMINUM STOREFRONT SYSTEM - SEE 2/A-613 FOR ELEVATIONS AND DETAILS
- ▲ - ALUMINUM STOREFRONT CURTAIN WALL - SEE 1/A-612 FOR ELEVATIONS AND DETAILS
- ▲ - ALUMINUM STOREFRONT SYSTEM - SEE 1/A-614 FOR ELEVATIONS AND DETAILS
- ▲ - INSULATED LIGHT TRANSMITTING SYSTEM - SEE 1/A-615 FOR ELEVATIONS AND DETAILS
- A 111 - SPACE NUMBER - REFER TO FINISH SCHEDULE ON A-900 DRAWINGS
- ▲ - CASEWORK REFERENCE - SEE ELEVATIONS ON A-720, A-721 AND A-722
- MB-4 / PB-1 - MARKERBOARD / PROJECTION BOARD SEE 7/A-726
- TB-4 / TS-8 - TACKBOARD / TACKSTRIP - SEE 5/A-726
- WV - WALL CONTROL JT. - SEE FLOOR PLANS & ELEVATIONS FOR LOCATIONS - SEE DETAIL 2/A-430
- WV - WALL TYPES - SEE A-100
- VB - VENETIAN BLINDS LOCATION - SEE ALTERNATES
- SSS - SUNSCREEN SHADE LOCATION
- PS - PROJECTION SCREEN LOCATION
- PC - DISPLAY CASES - SEE 8/A-726
- PC - POSTER CASES - SEE 6/A-726
- FEC - RECESSED FIRE EXTINGUISHER CABINETS (SEE FLOOR PLANS FOR QUANTITIES)
- ▲ - IN ADDITION TO THE FIRE EXTINGUISHER CABINETS, INSTALL 40 OWNER-FURNISHED SURFACE MOUNTED FIRE EXTINGUISHERS AS DIRECTED BY OWNER
- ▲ - LOCATION OF ROOM SIGNAGE (60" AFF TO TOP OF SIGN)
- # - TOILET ROOM ACCESSORIES - SEE SCHEDULE ON 1/A-800
- FD - FLOOR DRAIN W/DEPRESSED CONCRETE SLAB 5/A-800
- FS - FLOOR SINK - SEE PLUMBING AND KITCHEN DRAWINGS
- # - APPLIANCE - SEE 2/EQ-114 FOR SCHEDULE AND SPECIFICATION SECTION 11 3100 APPLIANCE INSTALLATION FOR SCOPE OF CONTRACTOR'S WORK
- # - GYM EQUIPMENT - SEE SCHEDULE ON 11A-580
- WV - WALL HYDRANT - SEE PLUMBING DRAWINGS
- WV - ADA COMPLIANT LOCKER - SEE SPECIFICATIONS
- ▲ - LOCATION OF MB OR TB TO BE DETERMINED BY OWNER
- ▲ - LOCATION OF MECHANICAL LOUVER - SEE MECHANICAL DRAWINGS FOR SIZE OF HEIGHT OF MASONRY OPENING REQUIRED

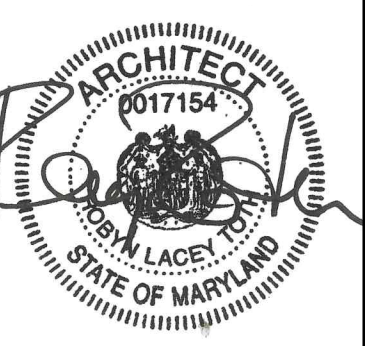
ABBREVIATIONS AND SYMBOLS USED ON OR IN THE CONTRACT DOCUMENTS HAVE THE NORMAL MEANING IN STANDARD USE BY ARCHITECTS AND ENGINEERS IN THE UNITED STATES. IF THERE ARE ANY QUESTIONS REGARDING THE MEANING OF ANY ABBREVIATION OR SYMBOL, THEY SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING THE BID PHASE.

LEGEND FOR ARCHITECTURAL DRAWINGS



FIRST FLOOR KEY PLAN

1 FLOOR PLAN - FIRST FLOOR - AREA 'A'
 SCALE: 1/8" = 1'-0"
 18 TYPE 'A' CORRIDOR LOCKERS



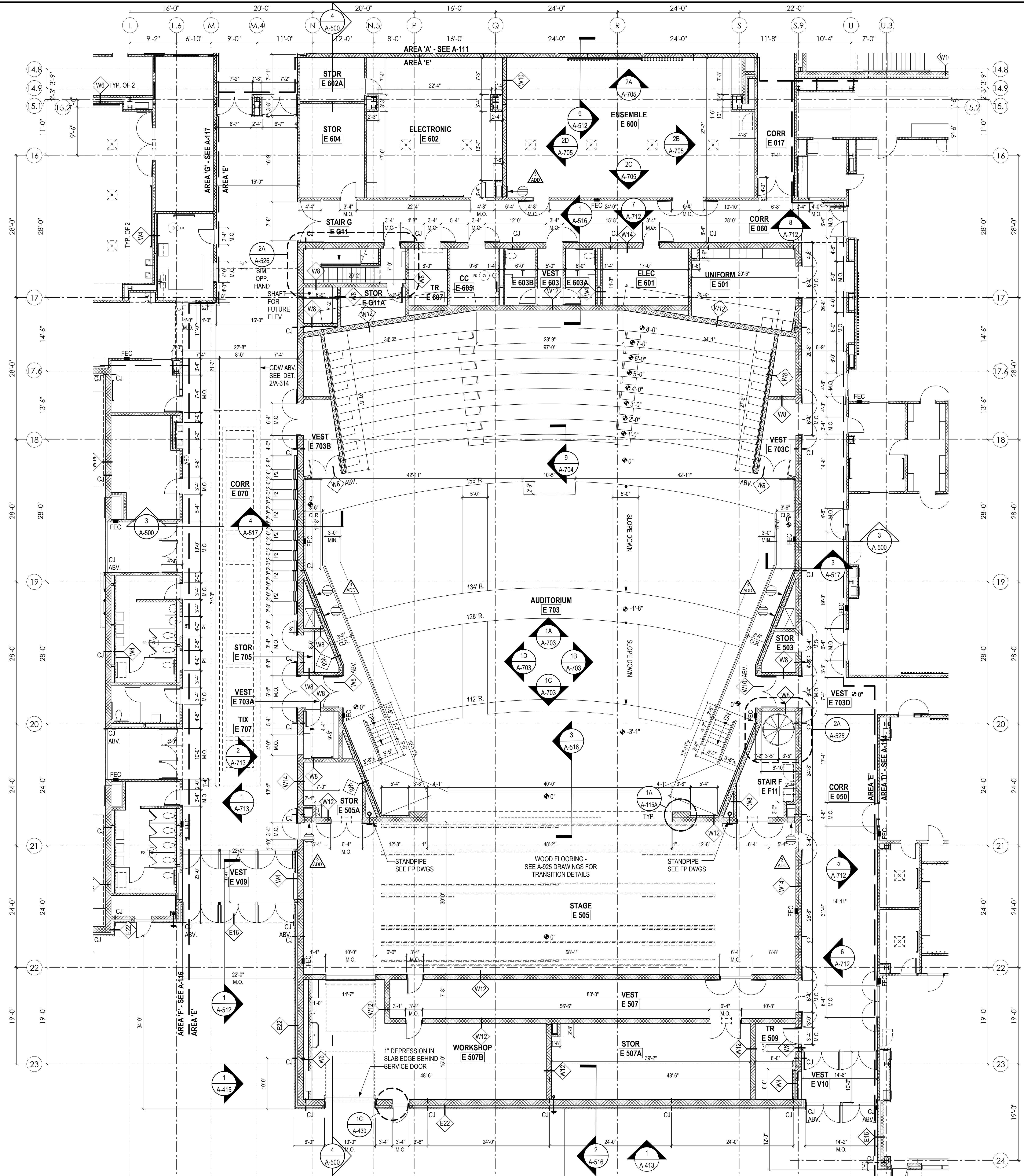
**HIGH SCHOOL #13
 JESSUP, MARYLAND
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM**

revisions

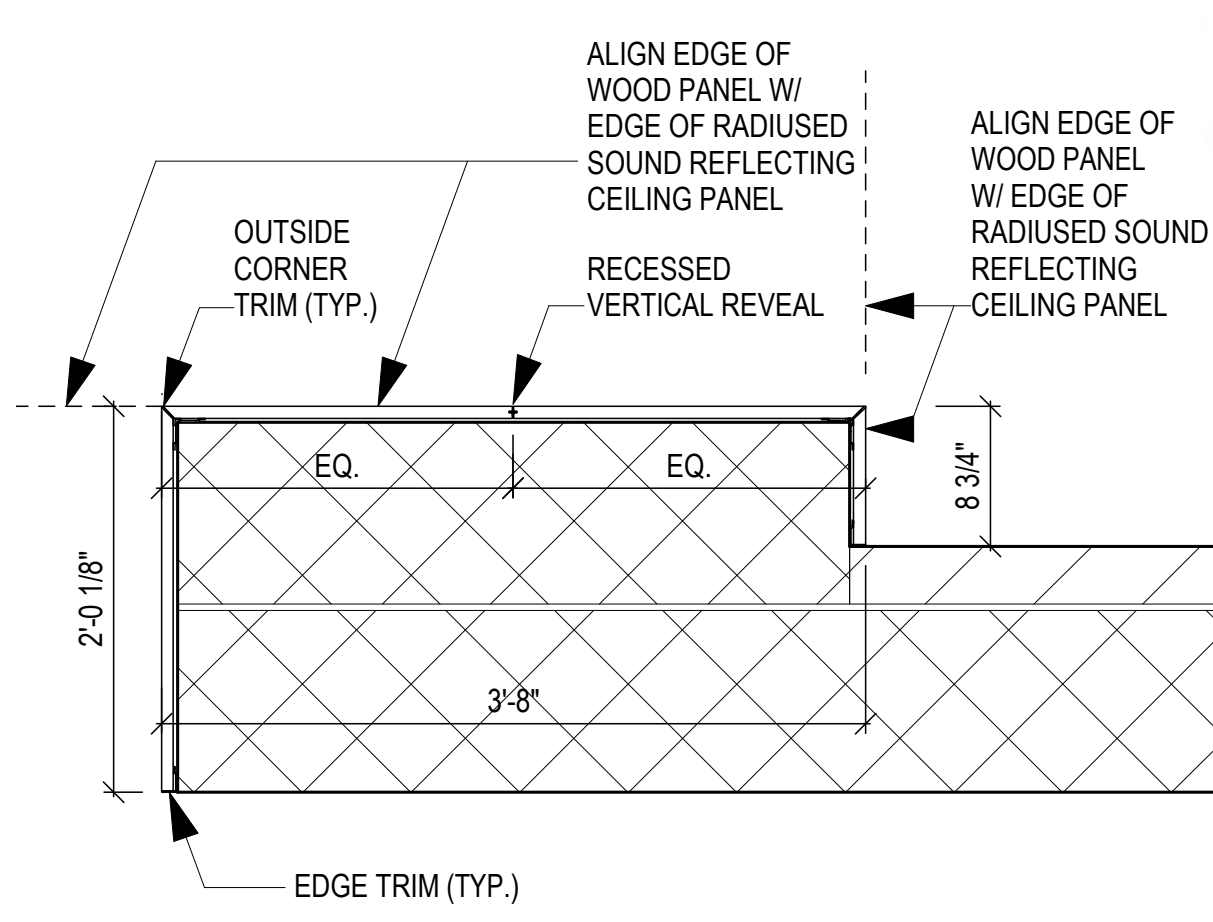
IAC CD REVIEW	8 OCTOBER 19
BUILDING PERMIT	7 JANUARY 20
ADDENDUM 3	18 FEBRUARY 20
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**FLOOR PLAN
 FIRST FLOOR
 AREA 'A'**

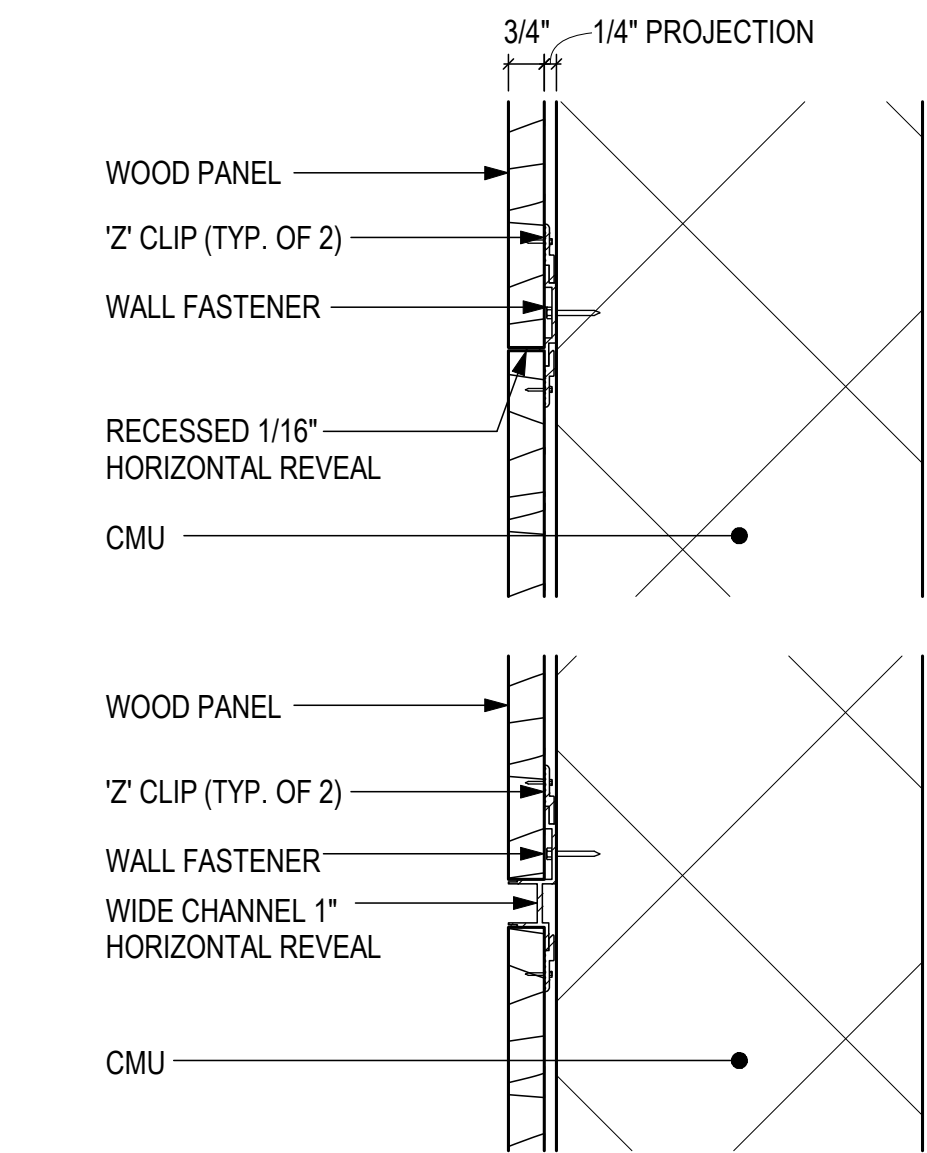
A-111



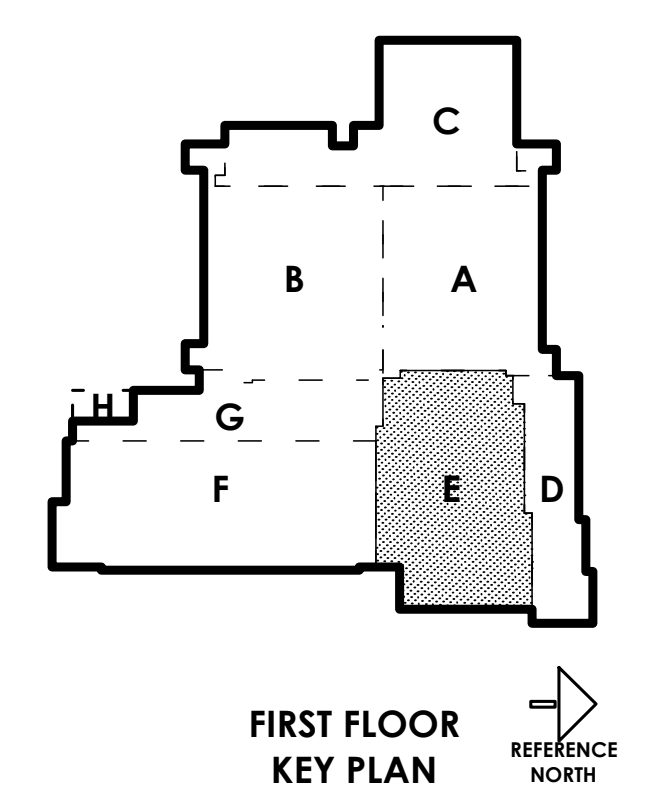
- GENERAL DIMENSION PLAN NOTES:**
- SEE FLOOR PLANS FOR REFERENCES TO ALL BUILT-IN ITEMS (I.E. MB/TB, DOORS, CASEWORK, ETC.).
 - SEE 2/A-111 FOR LEGEND OF MATERIALS AND SYMBOLS.
 - SEE 2/A-112 FOR ABBREVIATIONS.
 - SEE A-800 DRAWINGS FOR SITE PAVING ADJACENT TO BUILDING.
 - WHERE WALLS PARALLEL JOISTS NOT PERMITTING MASONRY TO EXTEND UP TO DECKING, SEE DETAIL 2/A-300 FOR GDW/MTL. STUD ENCLOSURE AT BOTH SIDES OF JOIST.
 - ALL WALLS ARE FULL HEIGHT (SLAB TO DECKING ABV.).
 - SEE A-910 AND A-920 DRAWINGS FOR FLOORING TRANSITION DETAILS.



1A PROSCENIUM WALL PLAN DETAIL
SCALE: 1" = 1'-0"



1B SECTION THRU WOOD PANELS
SCALE: 3" = 1'-0"



1 DIMENSION PLAN - FIRST FLOOR - AREA 'E'
SCALE: 1/8" = 1'-0"



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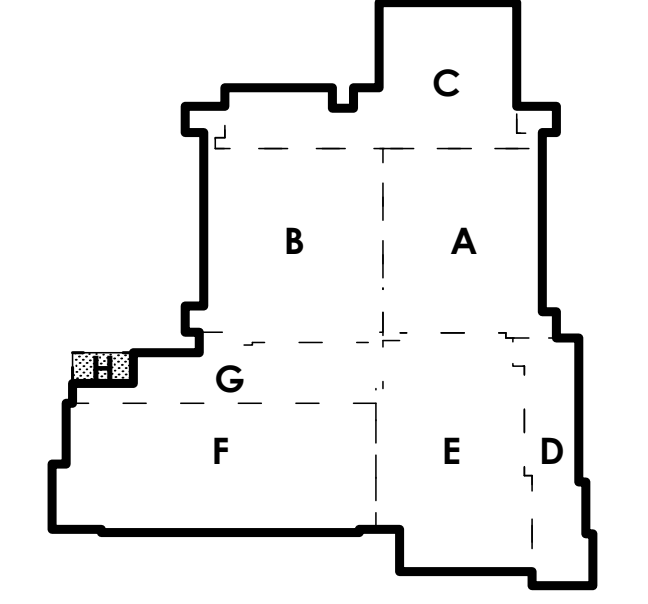
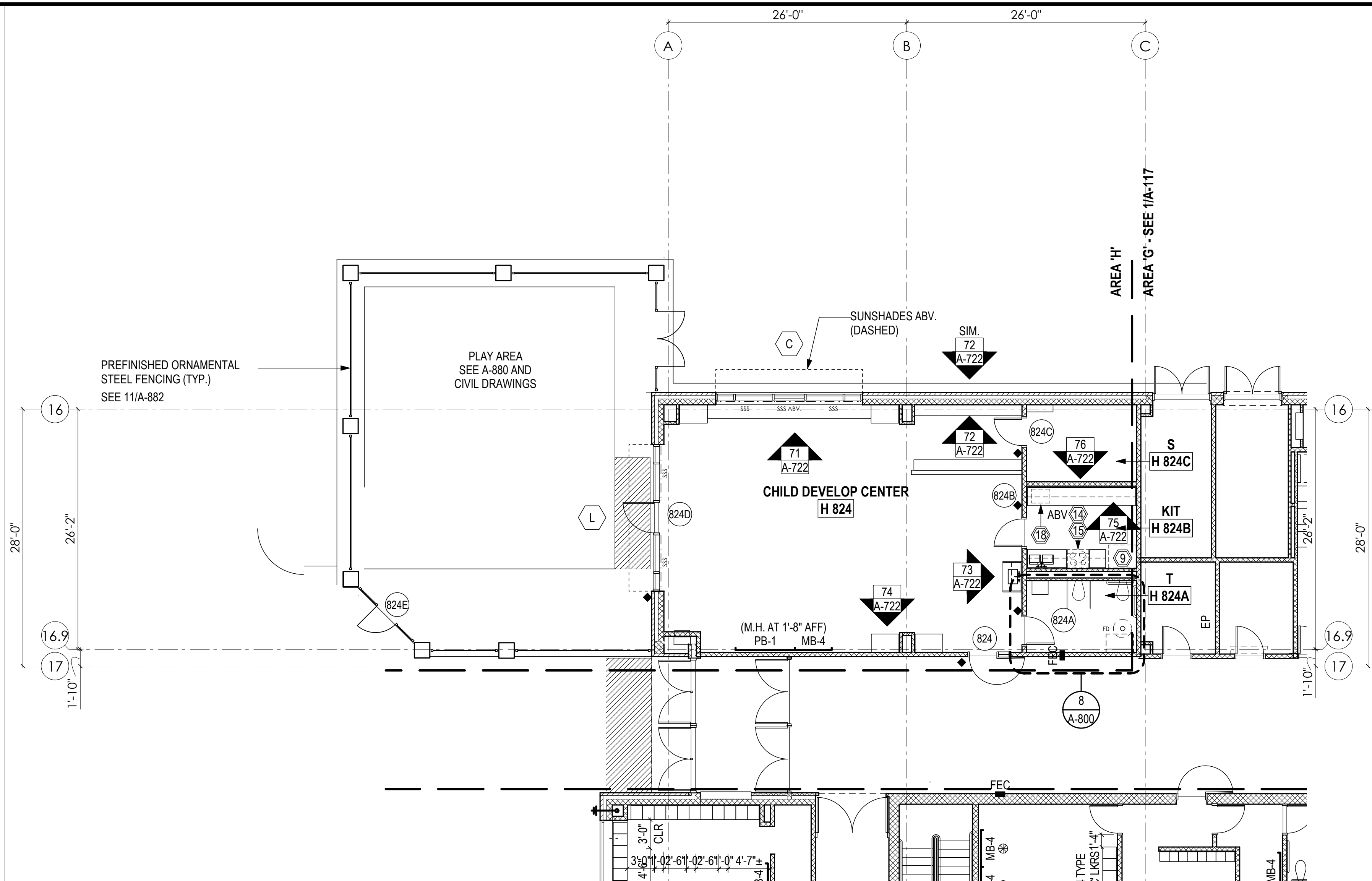
BID AND CONSTRUCTION
7 JANUARY 20

DIMENSION PLAN
FIRST FLOOR
AREA 'E'

A-115A

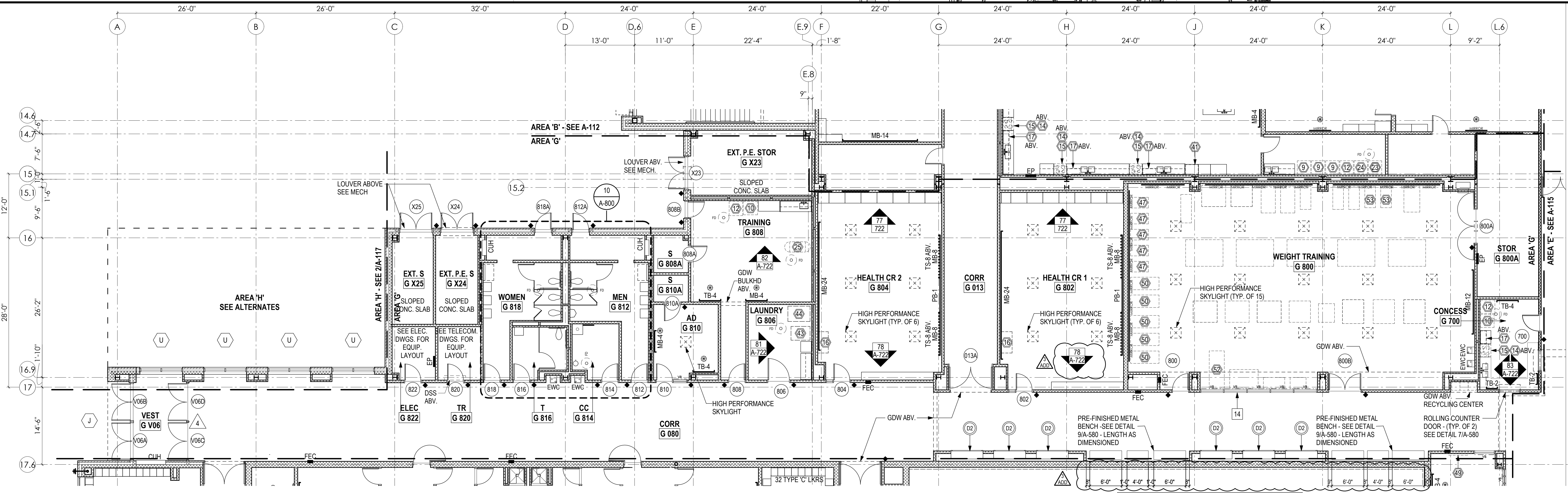


- GENERAL FLOOR PLAN NOTES:**
1. SEE DIMENSION PLANS FOR WALL TYPES AND REFERENCES TO ELEVATIONS AND SECTIONS.
 2. SEE 2/A-111 FOR LEGEND OF MATERIALS AND SYMBOLS.
 3. SEE 2/A-112 FOR ABBREVIATIONS.
 4. SEE A-700 DRAWINGS FOR INTERIOR ELEVATIONS AND LOCATIONS OF FINISHES AND ACOUSTICAL TREATMENT.
 5. SEE A-900 DRAWINGS FOR FLOOR FINISH PLANS.
 6. SEE EQ DRAWINGS FOR ANTICIPATED FURNITURE AND EQUIPMENT LAYOUTS FOR EACH SPACE.

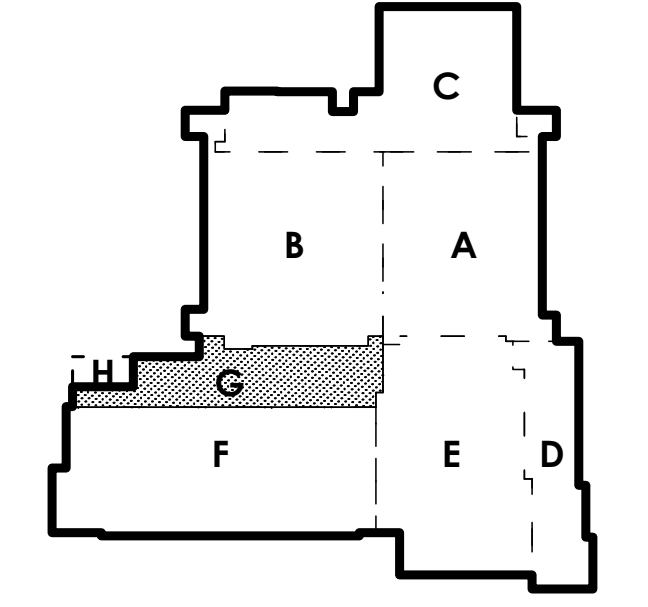


FIRST FLOOR KEY PLAN
REFERENCE NORTH

2 FLOOR PLAN - FIRST FLOOR - AREA 'H'
SCALE: 1/8" = 1'-0"
AFFECTED BY ALTERNATES



- GENERAL FLOOR PLAN NOTES:**
1. SEE DIMENSION PLANS FOR WALL TYPES AND REFERENCES TO ELEVATIONS AND SECTIONS.
 2. SEE 2/A-111 FOR LEGEND OF MATERIALS AND SYMBOLS.
 3. SEE 2/A-112 FOR ABBREVIATIONS.
 4. SEE A-700 DRAWINGS FOR INTERIOR ELEVATIONS AND LOCATIONS OF FINISHES AND ACOUSTICAL TREATMENT.
 5. SEE A-900 DRAWINGS FOR FLOOR FINISH PLANS.
 6. SEE EQ DRAWINGS FOR ANTICIPATED FURNITURE AND EQUIPMENT LAYOUTS FOR EACH SPACE.



FIRST FLOOR KEY PLAN
REFERENCE NORTH

1 FLOOR PLAN - FIRST FLOOR - AREA 'G'
SCALE: 1/8" = 1'-0"
A-117

HIGH SCHOOL #13
JESSUP, MARYLAND
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

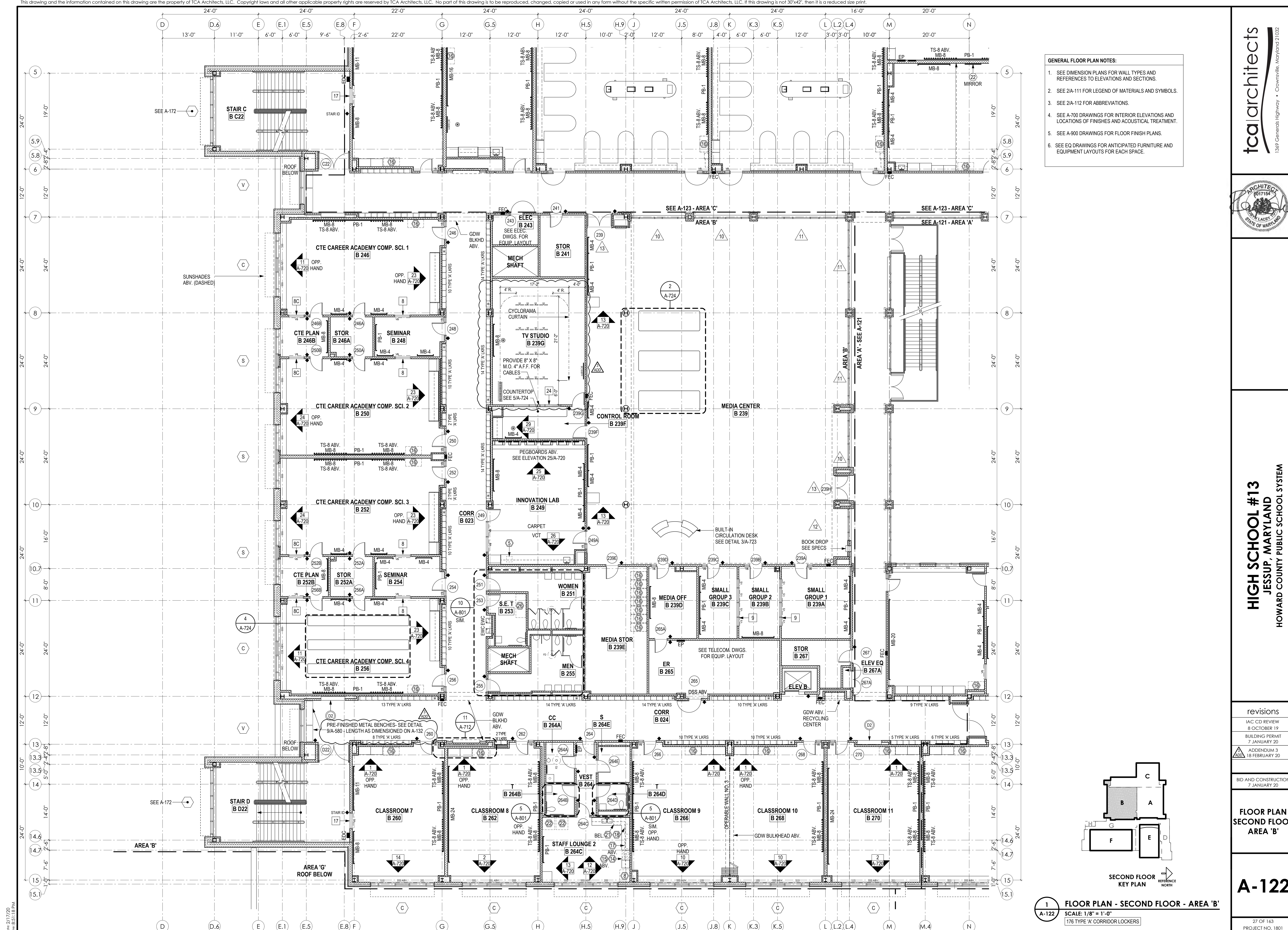
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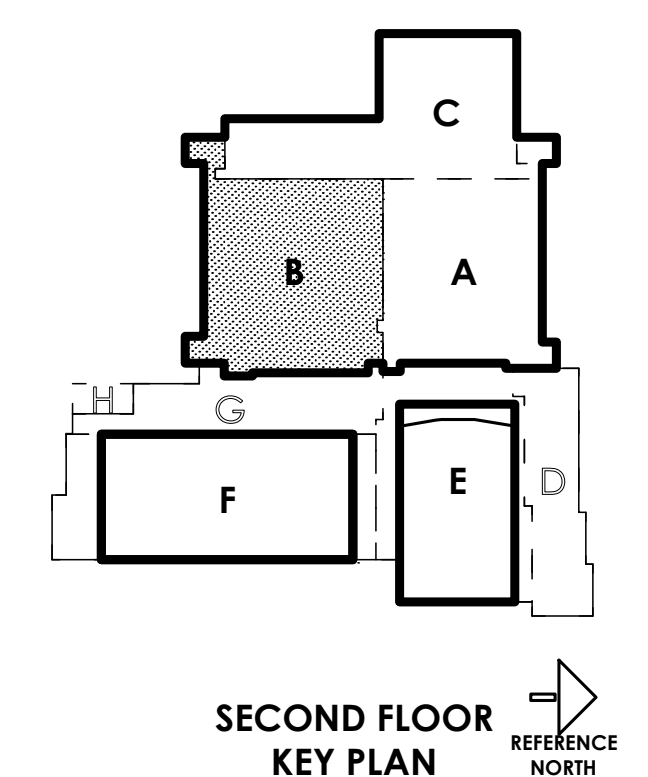
BID AND CONSTRUCTION
7 JANUARY 20

FLOOR PLAN
FIRST FLOOR
AREAS 'G' & 'H'

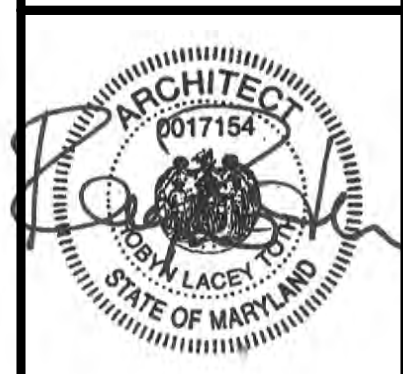
A-117



- GENERAL FLOOR PLAN NOTES:**
1. SEE DIMENSION PLANS FOR WALL TYPES AND REFERENCES TO ELEVATIONS AND SECTIONS.
 2. SEE 2/A-111 FOR LEGEND OF MATERIALS AND SYMBOLS.
 3. SEE 2/A-112 FOR ABBREVIATIONS.
 4. SEE A-700 DRAWINGS FOR INTERIOR ELEVATIONS AND LOCATIONS OF FINISHES AND ACOUSTICAL TREATMENT.
 5. SEE A-900 DRAWINGS FOR FLOOR FINISH PLANS.
 6. SEE EQ DRAWINGS FOR ANTICIPATED FURNITURE AND EQUIPMENT LAYOUTS FOR EACH SPACE.



1 FLOOR PLAN - SECOND FLOOR - AREA 'B'
 SCALE: 1/8" = 1'-0"
 176 TYPE 'A' CORRIDOR LOCKERS



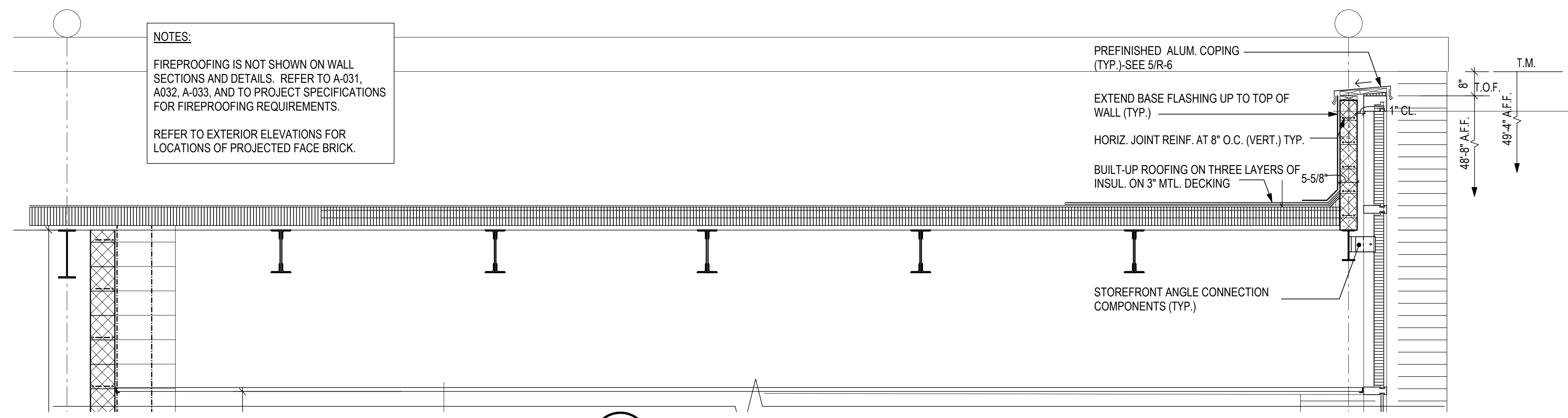
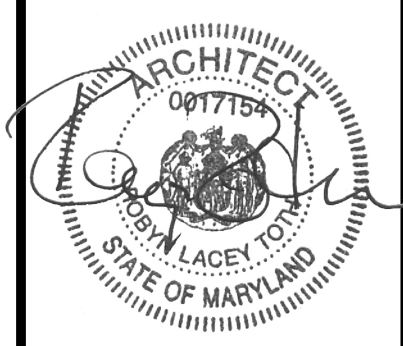
HIGH SCHOOL #13
JESSUP, MARYLAND
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM

revisions

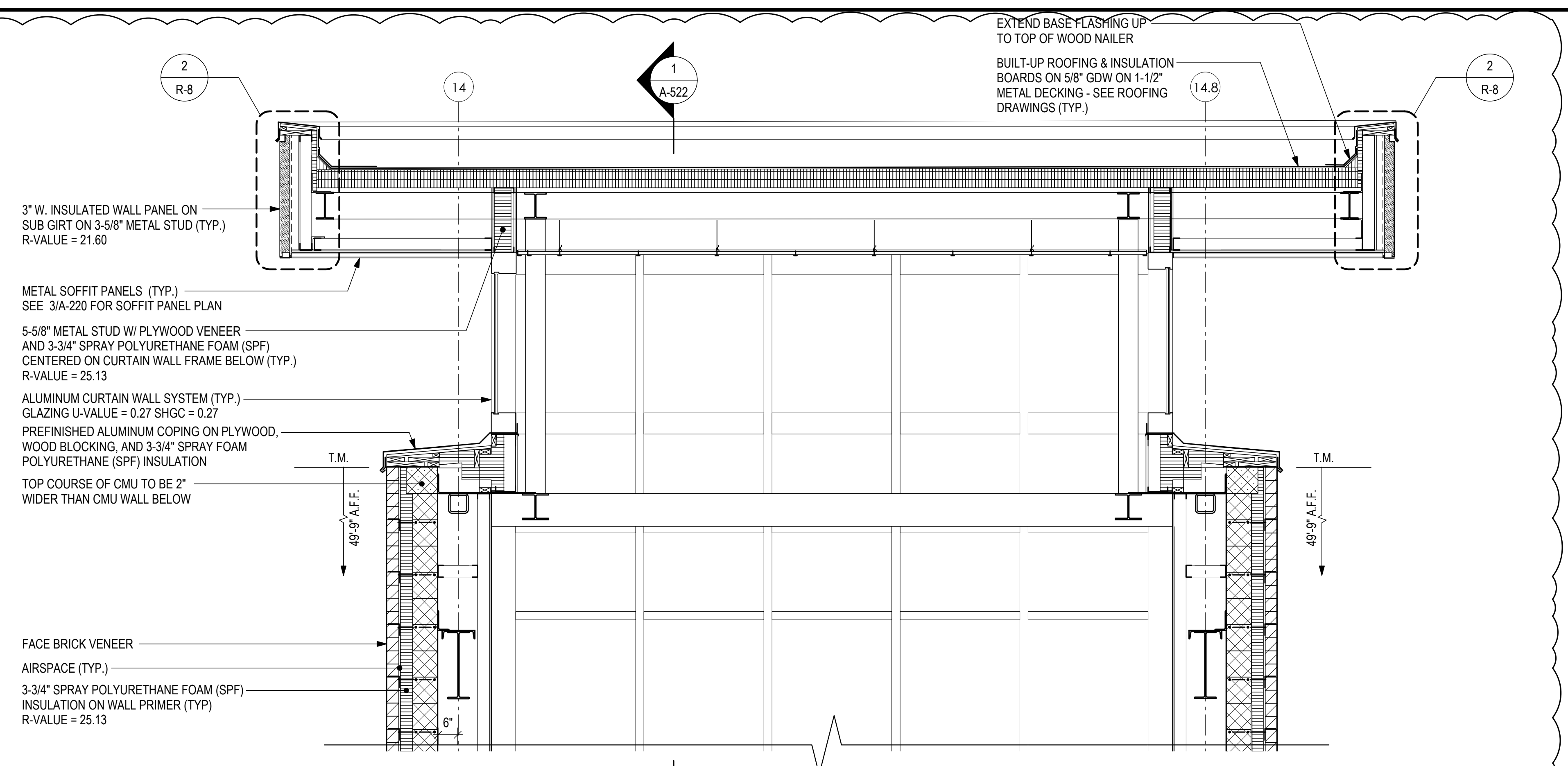
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 7 JANUARY 20

FLOOR PLAN
SECOND FLOOR
AREA 'B'

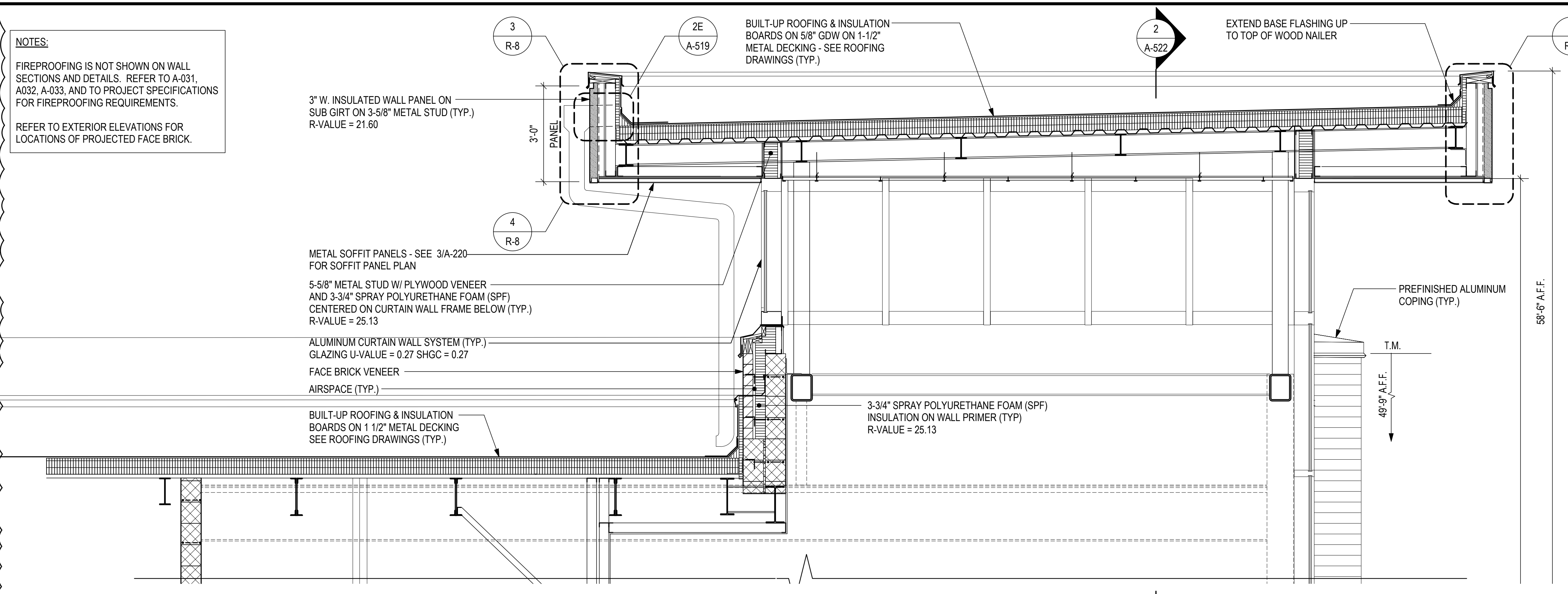


3 UPPER SECTION THRU STAIR B, C & D
A-522 SCALE: 1/2" = 1'-0"

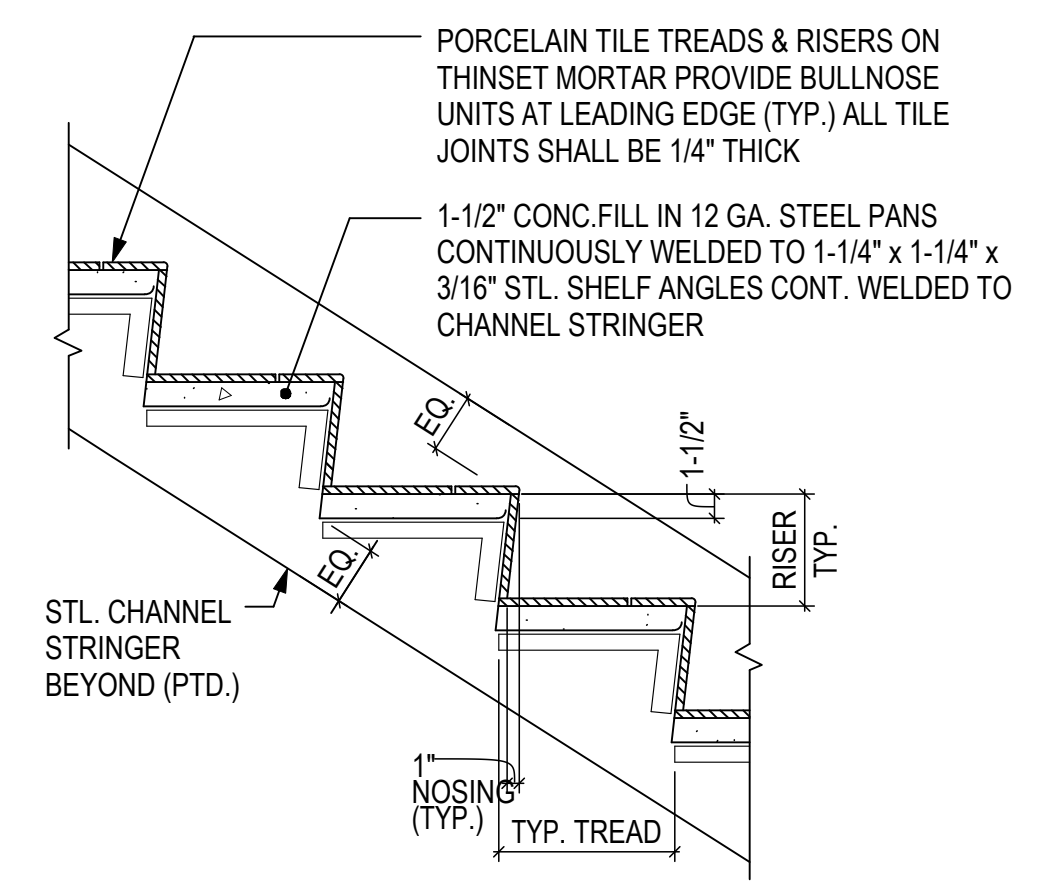


2 UPPER CROSS SECTION THRU STAIR A
A-522 SCALE: 1/2" = 1'-0"

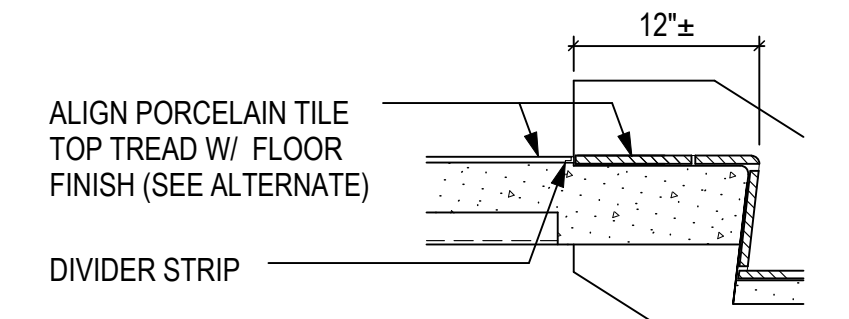
NOTES:
FIREPROOFING IS NOT SHOWN ON WALL SECTIONS AND DETAILS. REFER TO A-031, A-032, A-033, AND TO PROJECT SPECIFICATIONS FOR FIREPROOFING REQUIREMENTS.
REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS OF PROJECTED FACE BRICK.



1 UPPER SECTION THRU STAIR A
A-522 SCALE: 1/2" = 1'-0"



5 STAIR A, B, C, D, & E TREAD AND RISER DETAIL
A-522 SCALE: 1" = 1'-0"



4 PORCELAIN TILE RECESS DETAIL
A-522 SCALE: 1" = 1'-0"

HIGH SCHOOL #13
JESSUP, MARYLAND
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

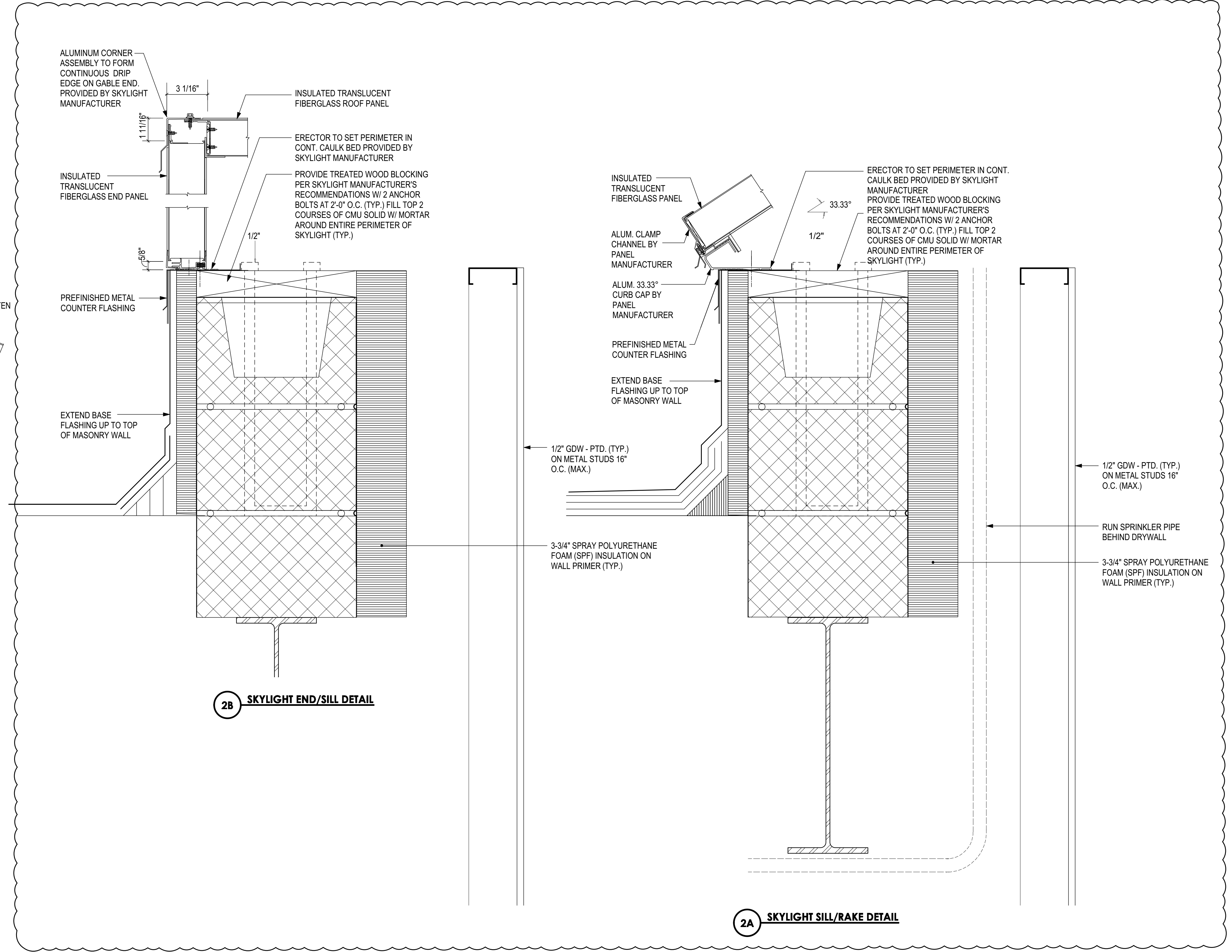
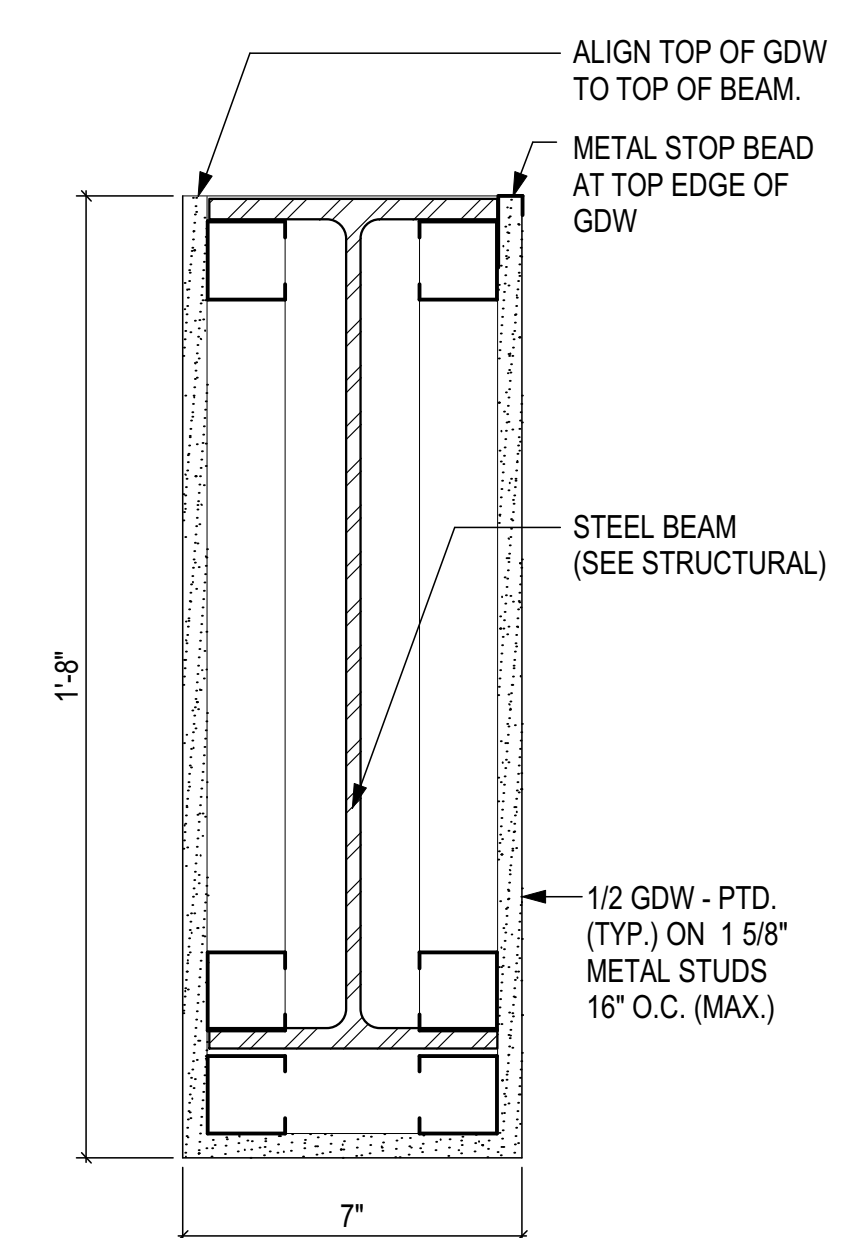
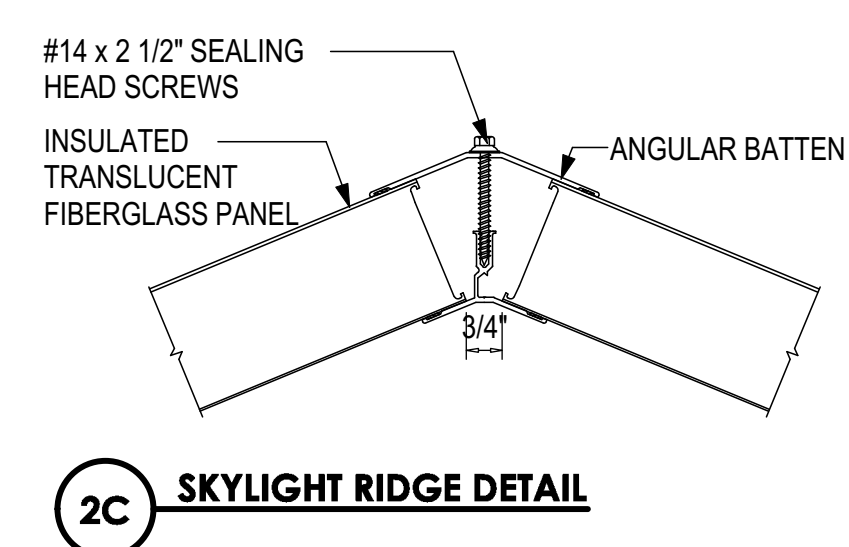
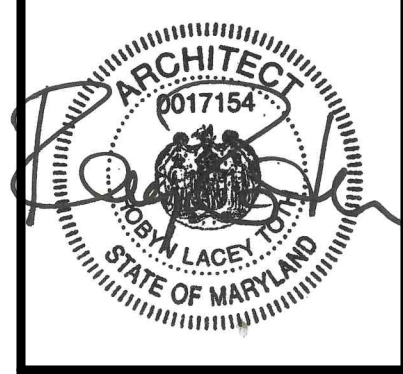
revisions

IAC CD REVIEW	8 OCTOBER 19
BUILDING PERMIT	7 JANUARY 20
ADDENDUM NO. 3	18 FEBRUARY 20

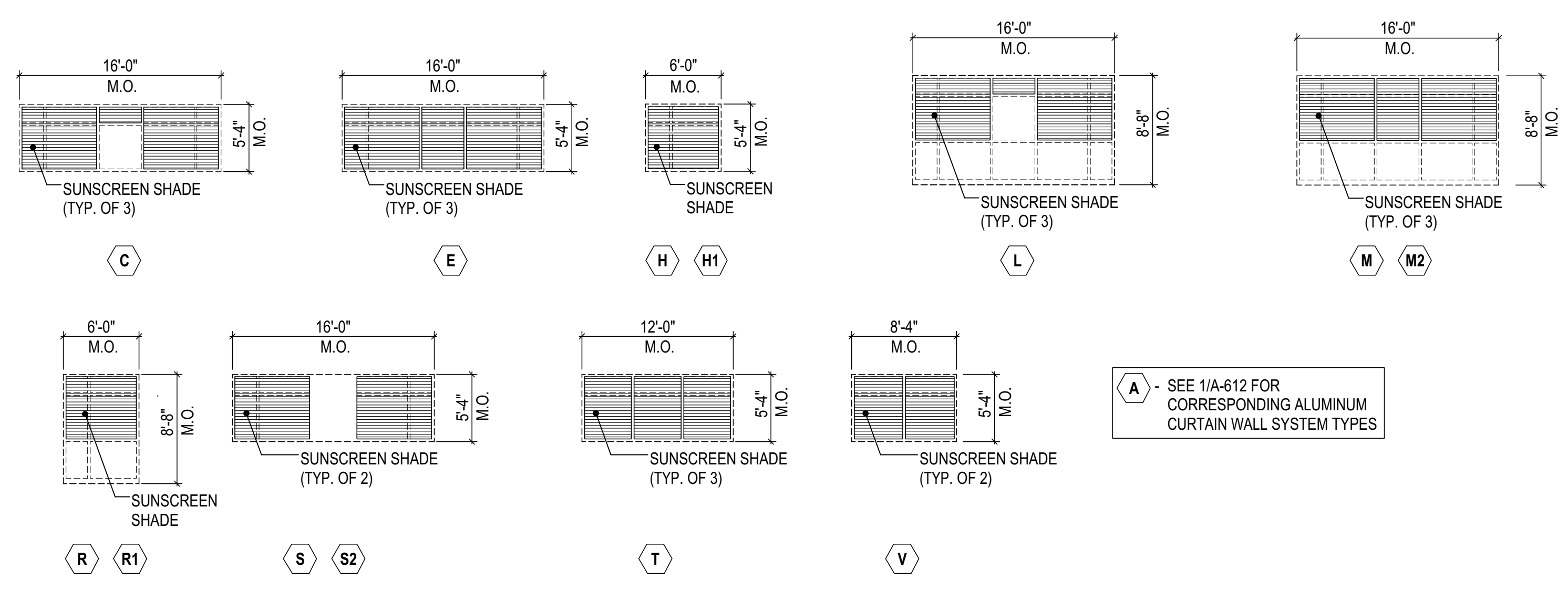
BID AND CONSTRUCTION
7 JANUARY 20

STAIR A, B, C & D SECTIONS & DETAILS

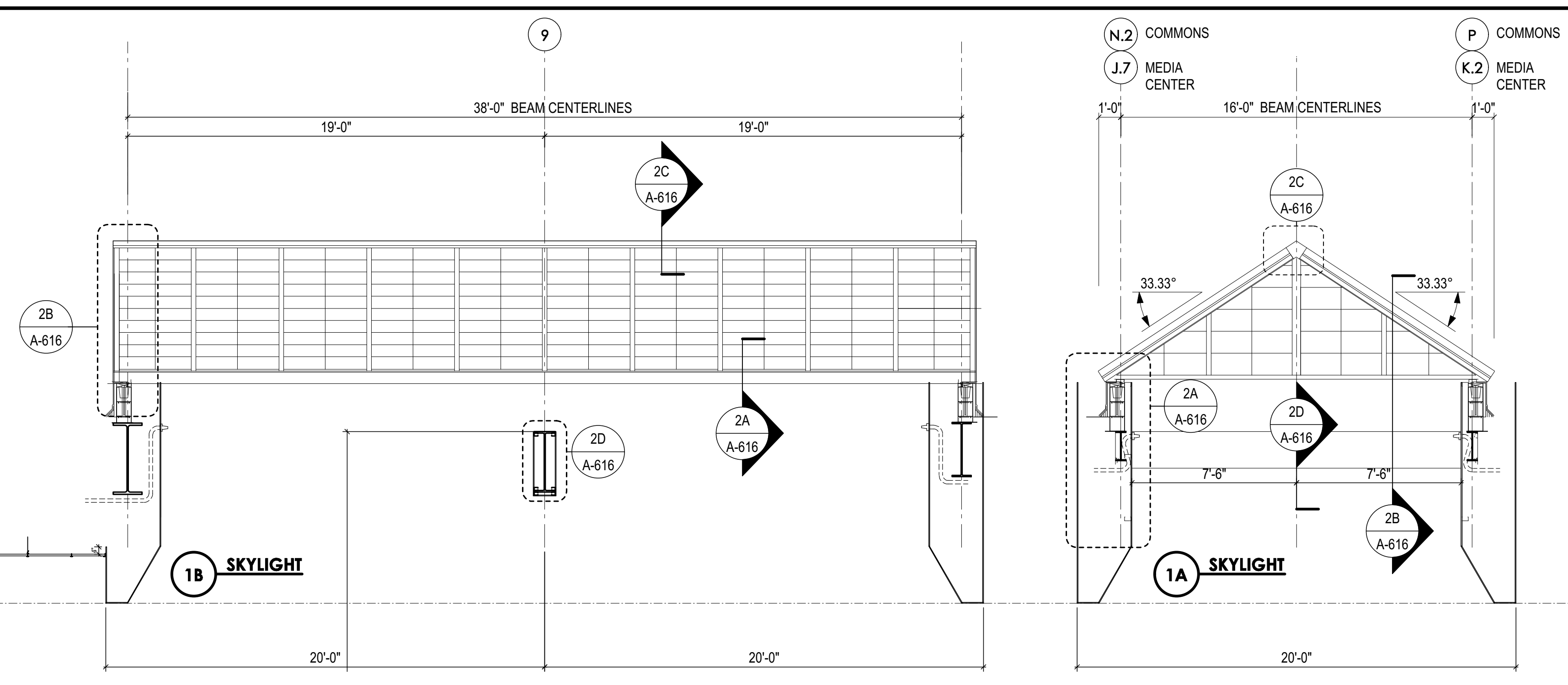
A-522



2 INSULATED TRANSLUCENT FIBERGLASS SKYLIGHT DETAILS
A-616 SCALE: 3" = 1'-0"



3 SUNSCREEN SHADE ELEVATIONS
A-616 SCALE: 1/8" = 1'-0"



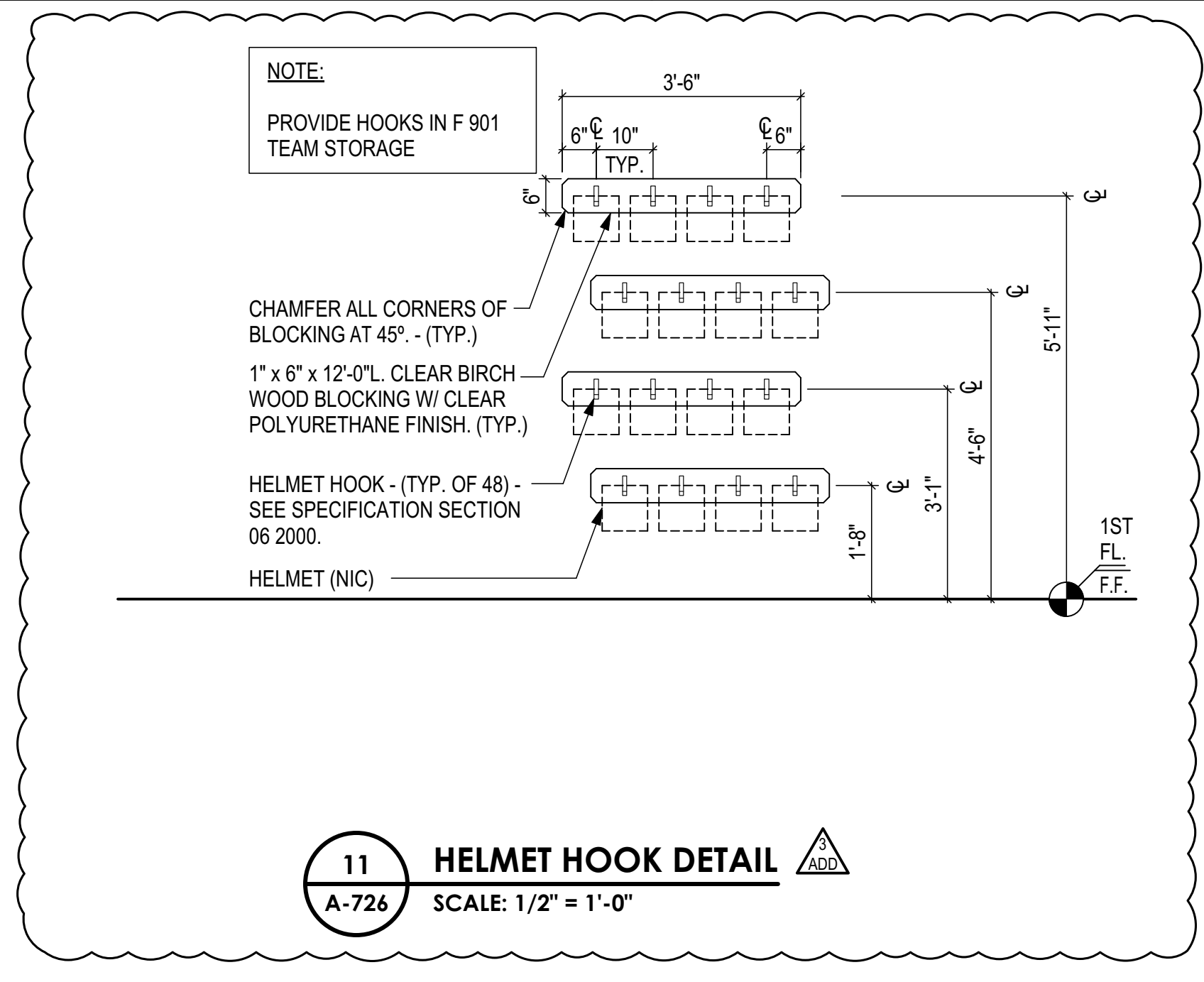
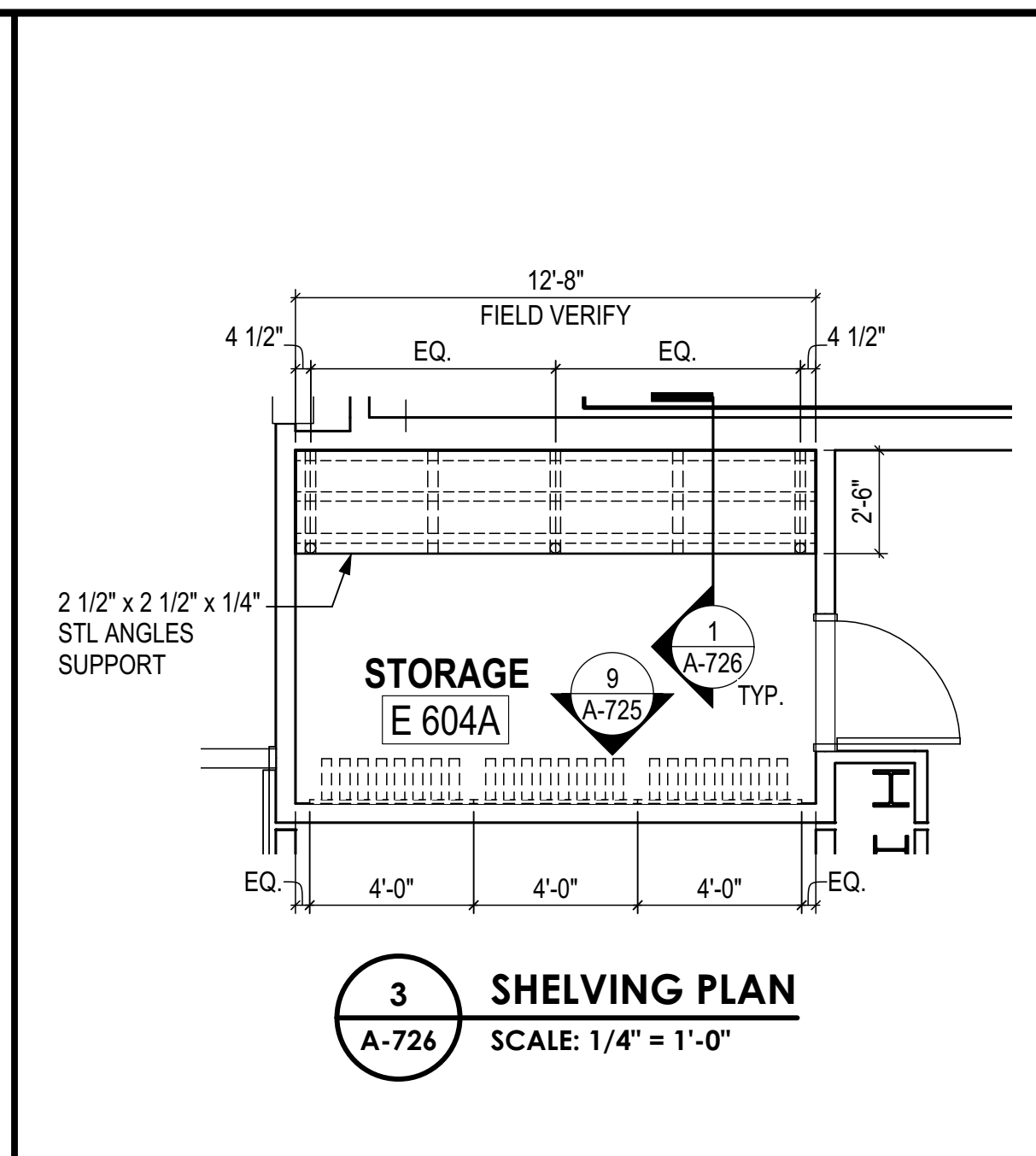
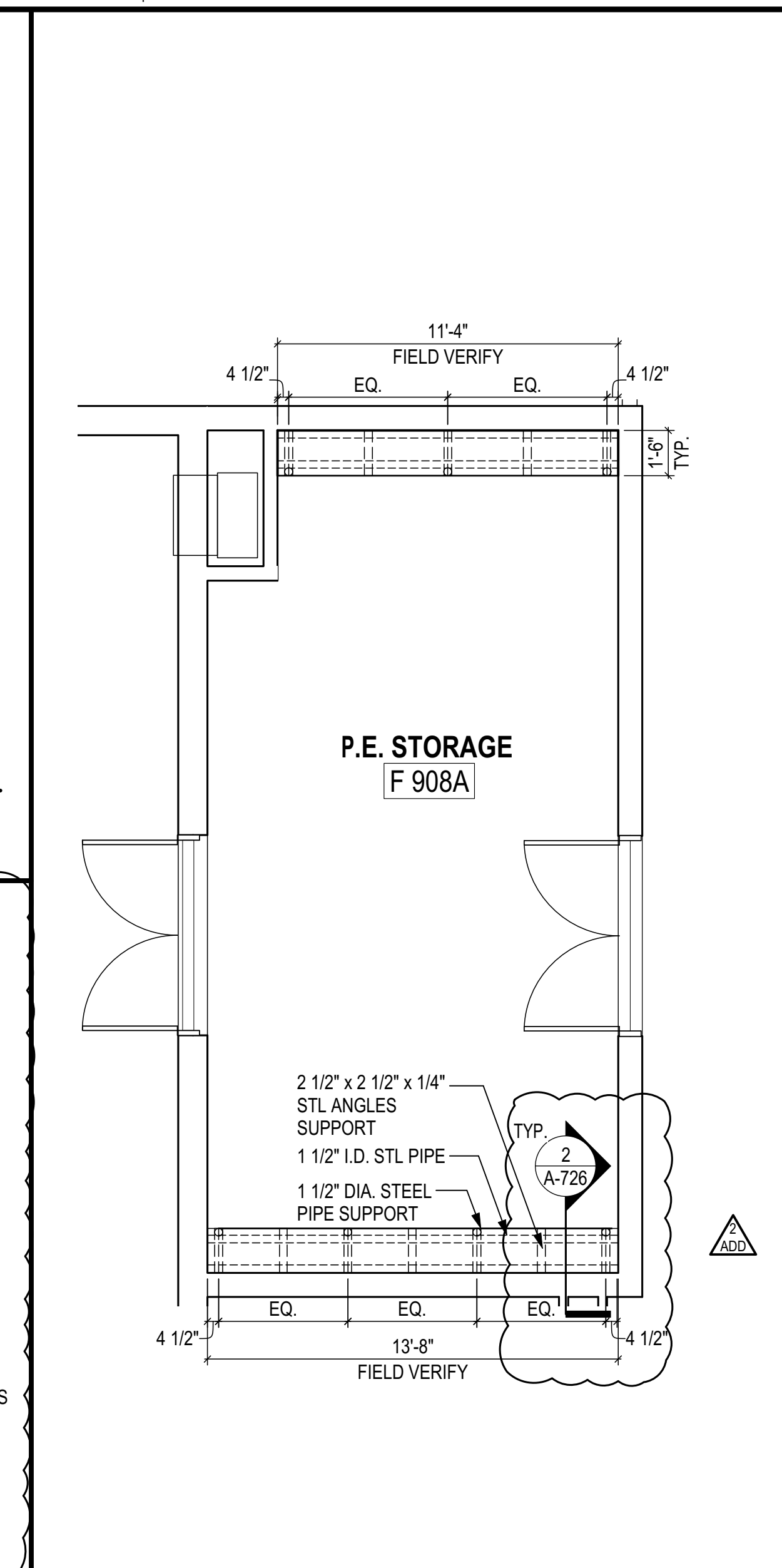
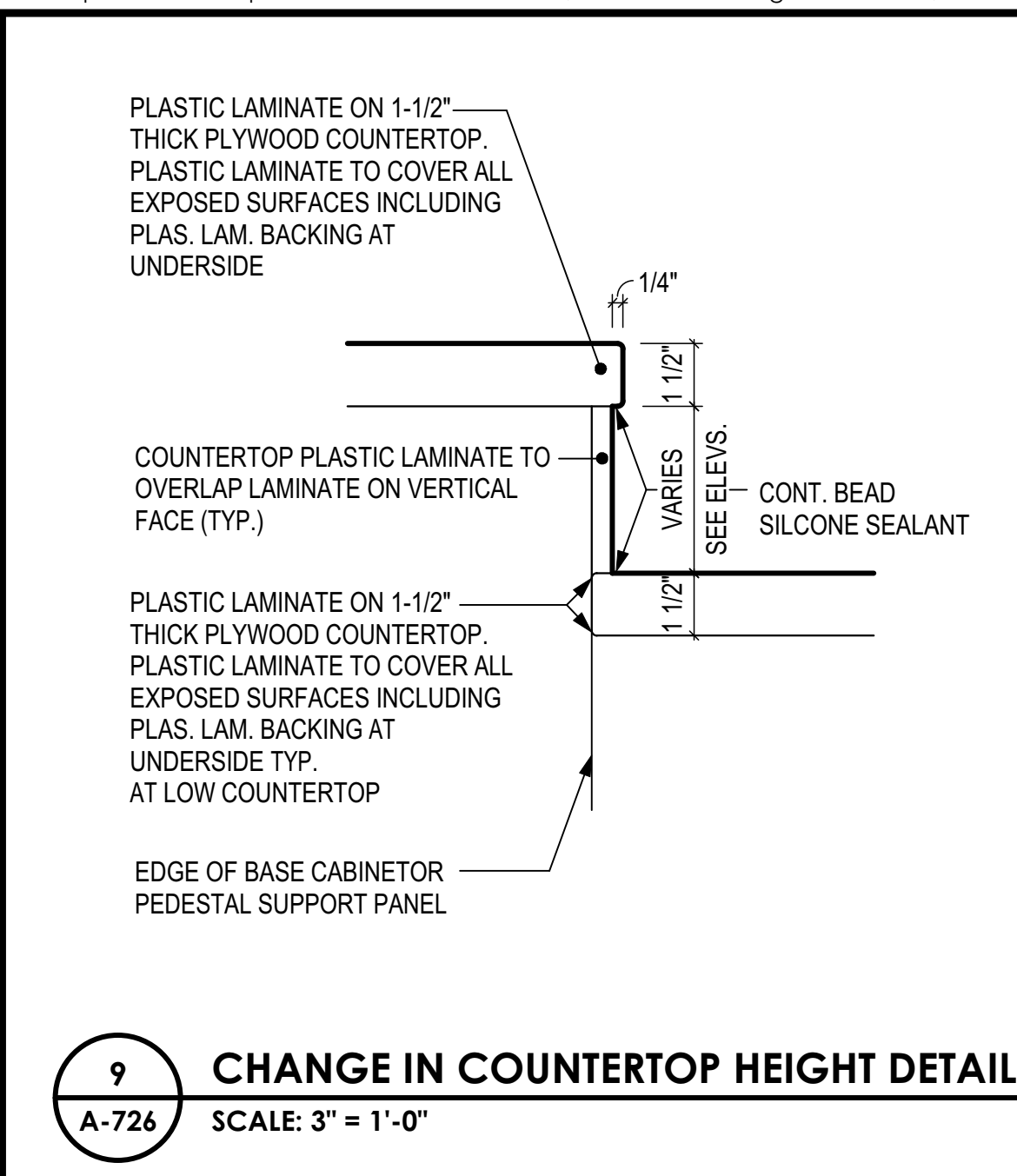
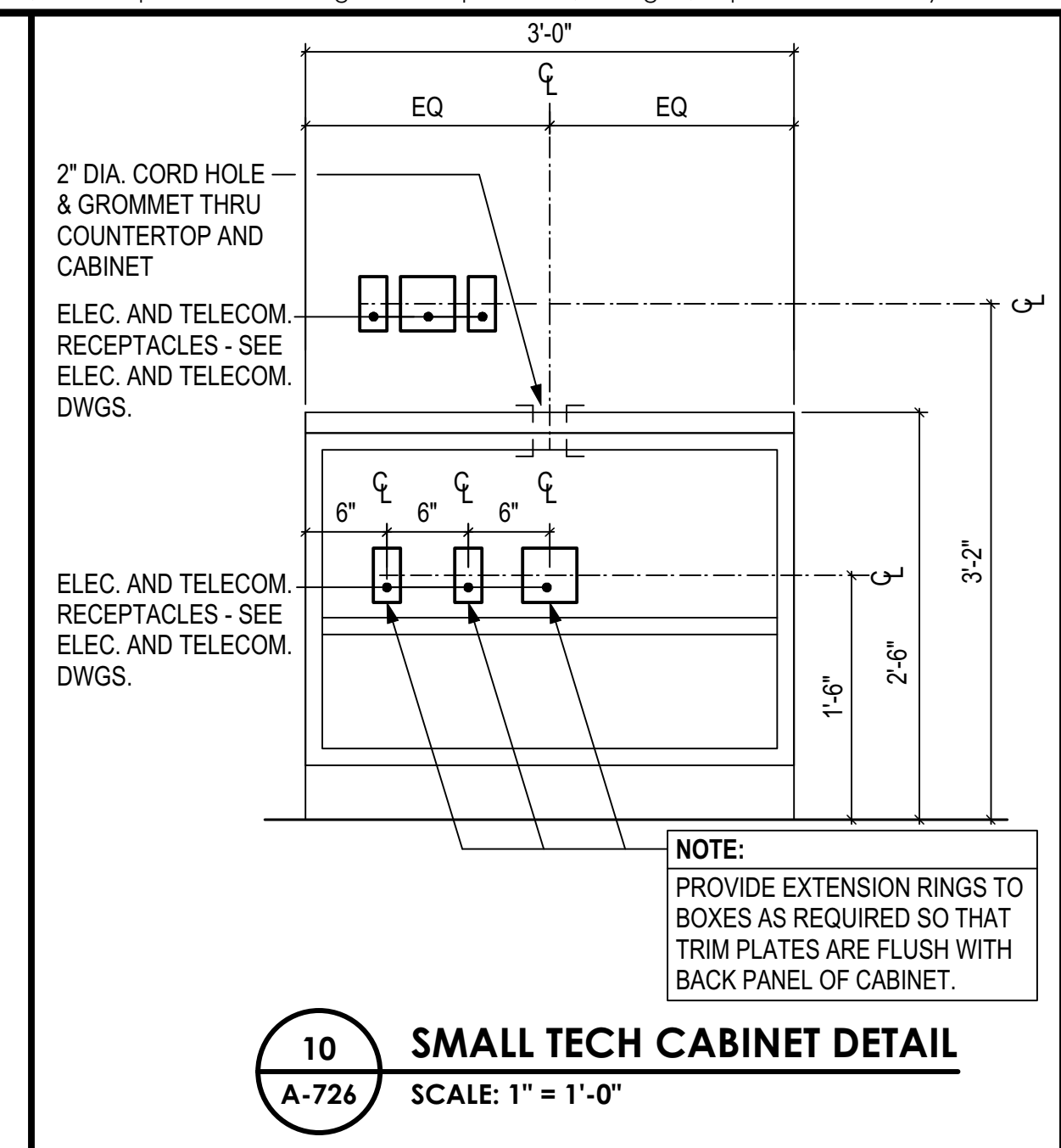
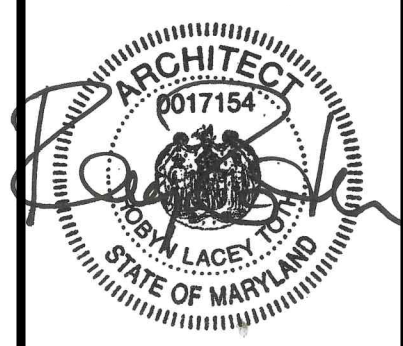
1 INSULATED TRANSLUCENT FIBERGLASS SKYLIGHT SECTION
A-616 SCALE: 1/4" = 1'-0"

revisions	
IAC CD REVIEW	8 OCTOBER 19
BUILDING PERMIT	7 JANUARY 20
ADDENDUM NO. 3	18 FEBRUARY 20

BID AND CONSTRUCTION
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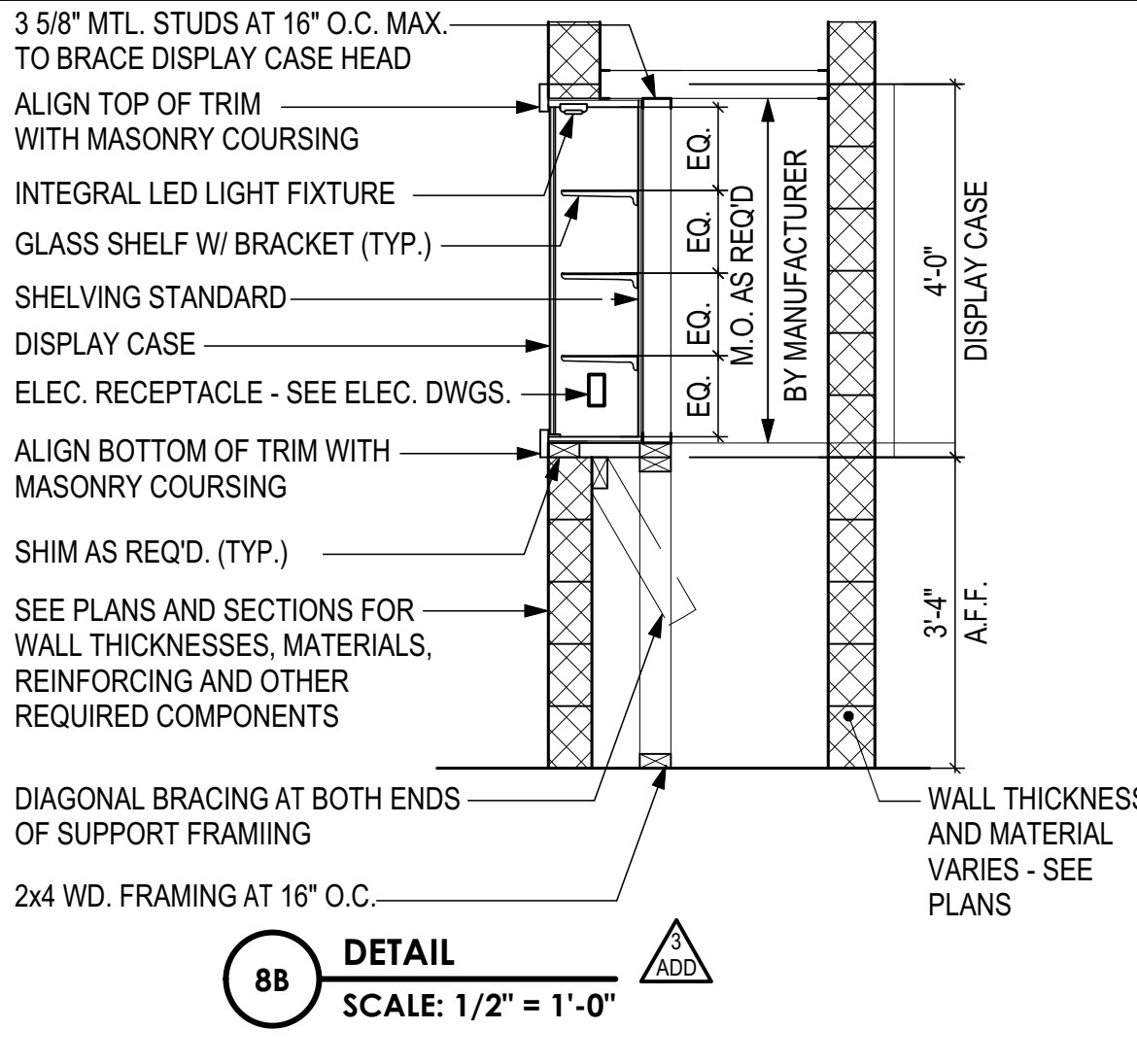
INSULATED TRANSLUCENT FIBERGLASS SKYLIGHT SYSTEM

A-616



DISPLAY CASES	WIDTH	DEPTH	HEIGHT
D1	4'-0"	12"	4'-0"
D2	6'-0"	12"	4'-0"
D3	8'-0"	16"	4'-0"
D4	4'-0"	16"	4'-0"
D5	6'-0"	16"	4'-0"

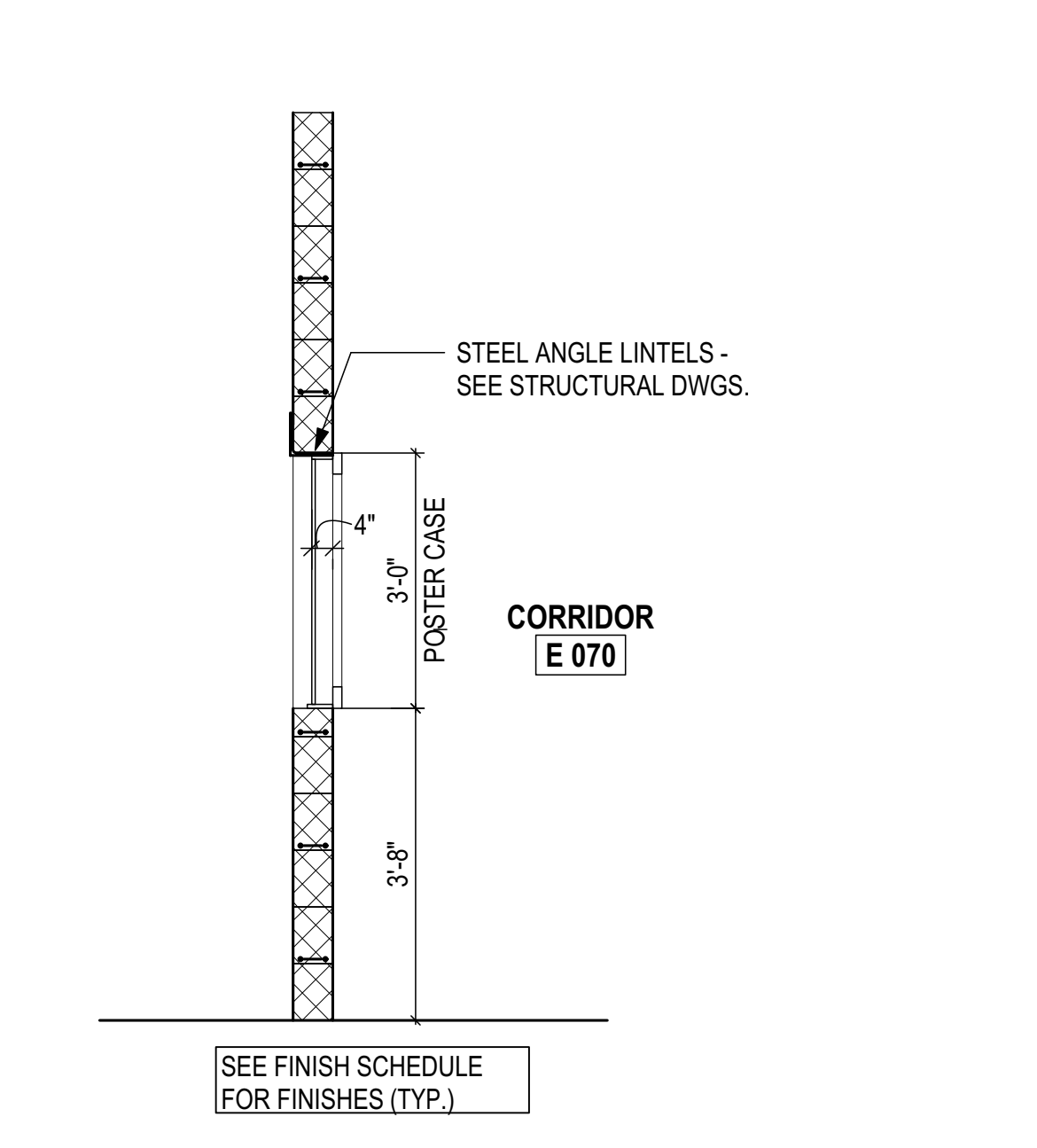
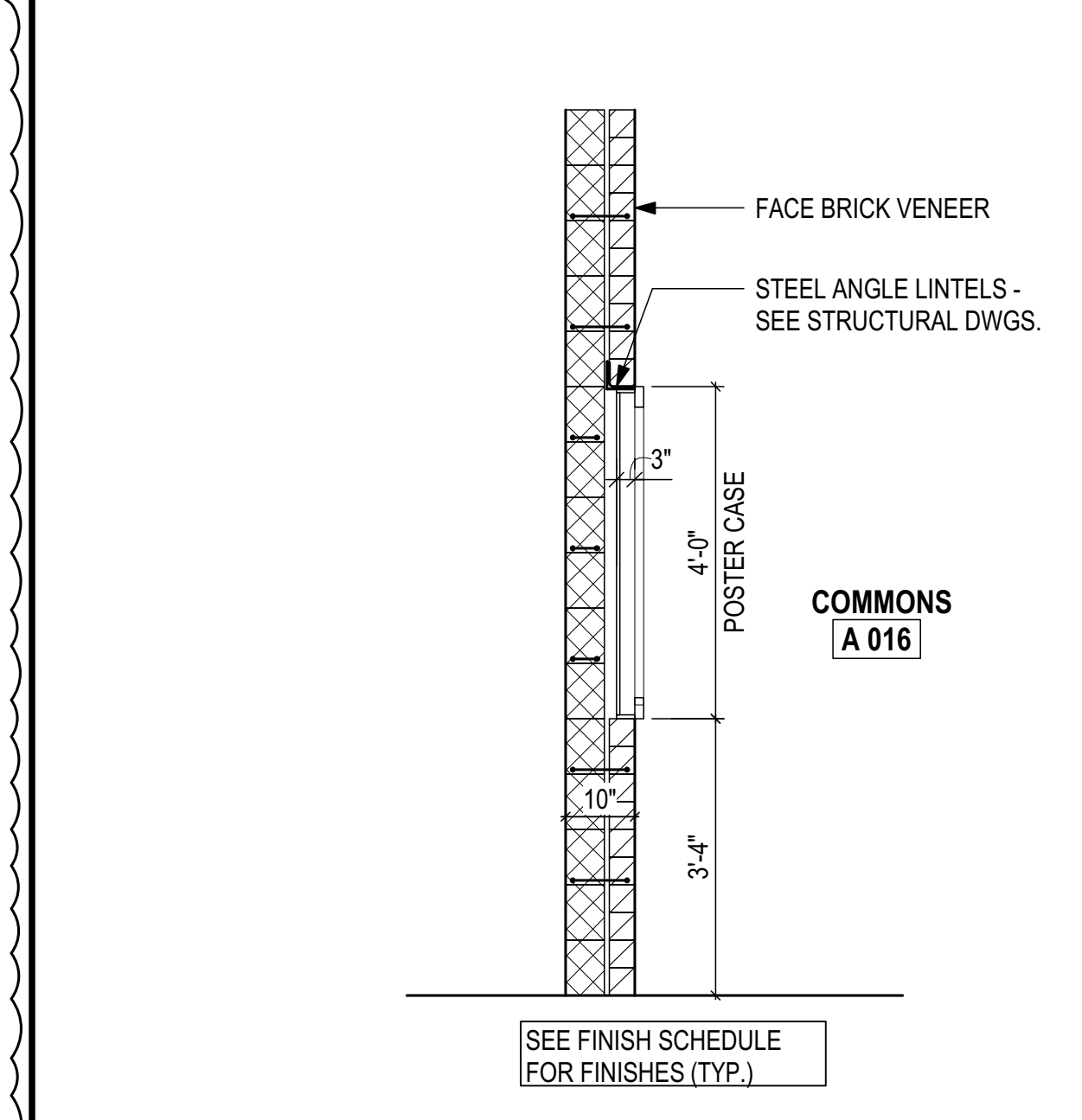
8A SCHEDULE



8 DISPLAY CASE DETAILS & SCHEDULE

NO.	DIMENSION LxH	MTG. HEIGHT	REMARKS
MB-3	3'-0" x 4'-0"	2'-8"	
MB-4	4'-0" x 4'-0"	2'-8"	
MB-4A	4'-0" x 4'-0"	2'-8"	LINED W/ MUSIC STAFF
MB-4B	4'-0" x 4'-0"	2'-8"	OMIT MARKER TRAY
MB-6	6'-0" x 4'-0"	2'-8"	
MB-6B	6'-0" x 4'-0"	2'-8"	OMIT MARKER TRAY
MB-8	8'-0" x 4'-0"	2'-8"	
MB-8A	8'-0" x 4'-0"	2'-8"	LINED W/ MUSIC STAFF
MB-8B	8'-0" x 4'-0"	2'-8"	OMIT MARKER TRAY
MB-11	11'-0" x 4'-0"	2'-8"	
MB-12	12'-0" x 4'-0"	2'-8"	
MB-14	14'-0" x 4'-0"	2'-8"	
MB-16	16'-0" x 4'-0"	2'-8"	
MB-20	20'-0" x 4'-0"	2'-8"	
MB-22	22'-0" x 4'-0"	2'-8"	
MB-24	24'-0" x 4'-0"	2'-8"	
PB-1	6'-5" x 4'-0"	2'-8"	PROJECTION BOARD
PB-1B	6'-5" x 4'-0"	2'-8"	PROJECTION BOARD W/ OUT MARKER TRAY

NO.	DIMENSION LxH	MTG. HEIGHT	REMARKS
TB-2	2'-0" x 4'-0"	2'-8"	
TB-3A	3'-0" x 4'-0"	3'-2"	FABRIC WRAPPED
TB-4	4'-0" x 4'-0"	2'-8"	
TB-4A	4'-0" x 4'-0"	3'-2"	FABRIC WRAPPED
TB-4B	4'-0" x 6'-0"	3'-4"	FABRIC WRAPPED
TB-4C	4'-0" x 4'-0"	2'-8"	W/ PLEXI GLASS COVER
TB-8	8'-0" x 4'-0"	2'-8"	
TB-8B	8'-0" x 2'-0"	ABV MB/ TB/PB	
TB-12A	12'-0" x 2'-0"	ABV MB/ TB/PB	
TB-12B	12'-0" x 0'-8"	ABV MB/ TB/PB	
TS-8	8'-0" x 3"	6'-8"	



POSTER CASES	WIDTH	DEPTH	HEIGHT	MOUNTING HEIGHT
P1	4'-0"	3"	4'-0"	3'-4" AFF
P2	2'-0"	3"	3'-0"	3'-8" AFF

6A SCHEDULE

6 POSTER CASE DETAIL & SCHEDULE
SCALE: AS NOTED

7 MARKERBOARD & PROJECTOR SCHEDULE
SCALE: 1/2" = 1'-0"

MARKER AND TACKBOARD NOTES:

- DIMENSIONS SHOWN ON SCHEDULE ARE OVERALL DIMENSIONS FROM OUTSIDE EDGE OF TRIM TO OUTSIDE EDGE OF TRIM AT OPPOSITE END OF MARKERBOARD/TACKBOARD.
- MOUNTING HEIGHTS ARE AS INDICATED ON THESE SCHEDULES UNLESS OTHERWISE NOTED ON PLANS. (EX - TB-2 MH= 2'-8")
- PROVIDE PLEXI-GLASS WITHIN CHANNEL FRAMING OVER TB-4 IN GYM. PLEXI-GLASS SHALL LAY HARD AGAINST TACKBOARD, BE HINGED AT TOP WITH A CONTINUOUS PIANO HINGE AND FASTENED IN CLOSED POSITION WITH SCREWS TO BASE OF T.B. TRIM. PROVIDE DETAILS TO ARCHITECT FOR APPROVAL
- PROVIDE 10 ADDITIONAL TACKBOARDS TB-4 TO BE LOCATED AS DIRECTED BY ARCHITECT.

TACKSTRIP NOTE:

- TOP OF TACKSTRIPS TO ALIGN WITH BOTTOM EDGE OF CMU.

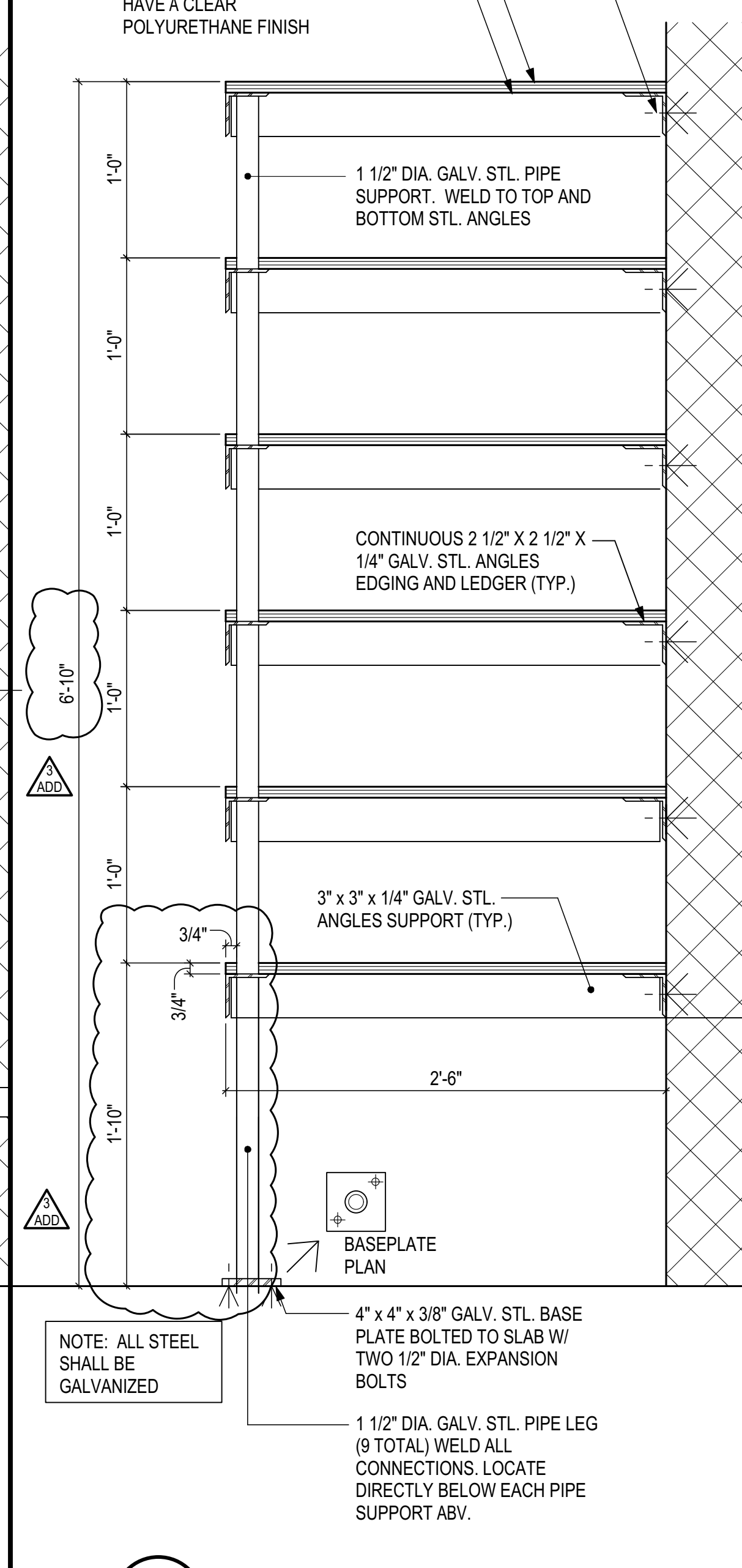
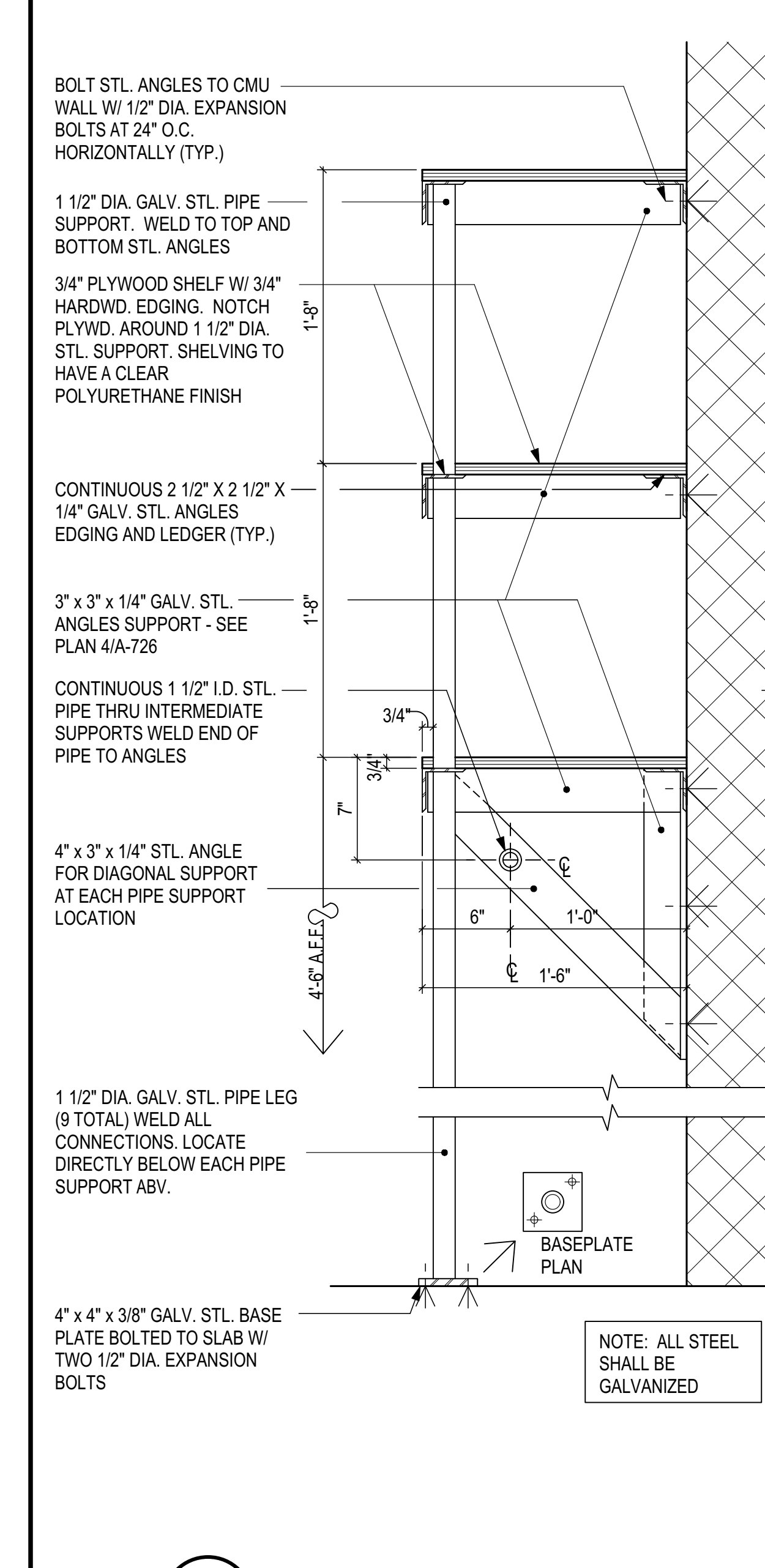
5 TACKBOARD & TACKSTRIP SCHEDULE
SCALE: 1/2" = 1'-0"

TACKBOARD NOTES:

- DIMENSIONS SHOWN ON SCHEDULE ARE OVERALL DIMENSIONS FROM OUTSIDE EDGE OF TRIM TO OUTSIDE EDGE OF TRIM AT OPPOSITE END OF TACKBOARD.
- MOUNTING HEIGHTS ARE AS INDICATED ON SCHEDULE, UNLESS OTHERWISE NOTED ON PLANS. (EX - TB-2 MH= 2'-8")
- PROVIDE PLEXI-GLASS WITHIN CHANNEL FRAMING OVER TB-4C. PLEXI-GLASS SHALL LAY HARD AGAINST TACKBOARD, BE HINGED AT TOP WITH A CONTINUOUS PIANO HINGE AND FASTENED IN CLOSED POSITION WITH SCREWS TO BASE OF T.B. TRIM. PROVIDE DETAILS TO ARCHITECT FOR APPROVAL
- PROVIDE 10 ADDITIONAL TACKBOARDS TB-4 TO BE LOCATED AS DIRECTED BY ARCHITECT.

TACKSTRIP NOTE:

- TOP OF TACKSTRIPS TO ALIGN WITH BOTTOM EDGE OF CMU.



HIGH SCHOOL #13
JESSUP, MARYLAND
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

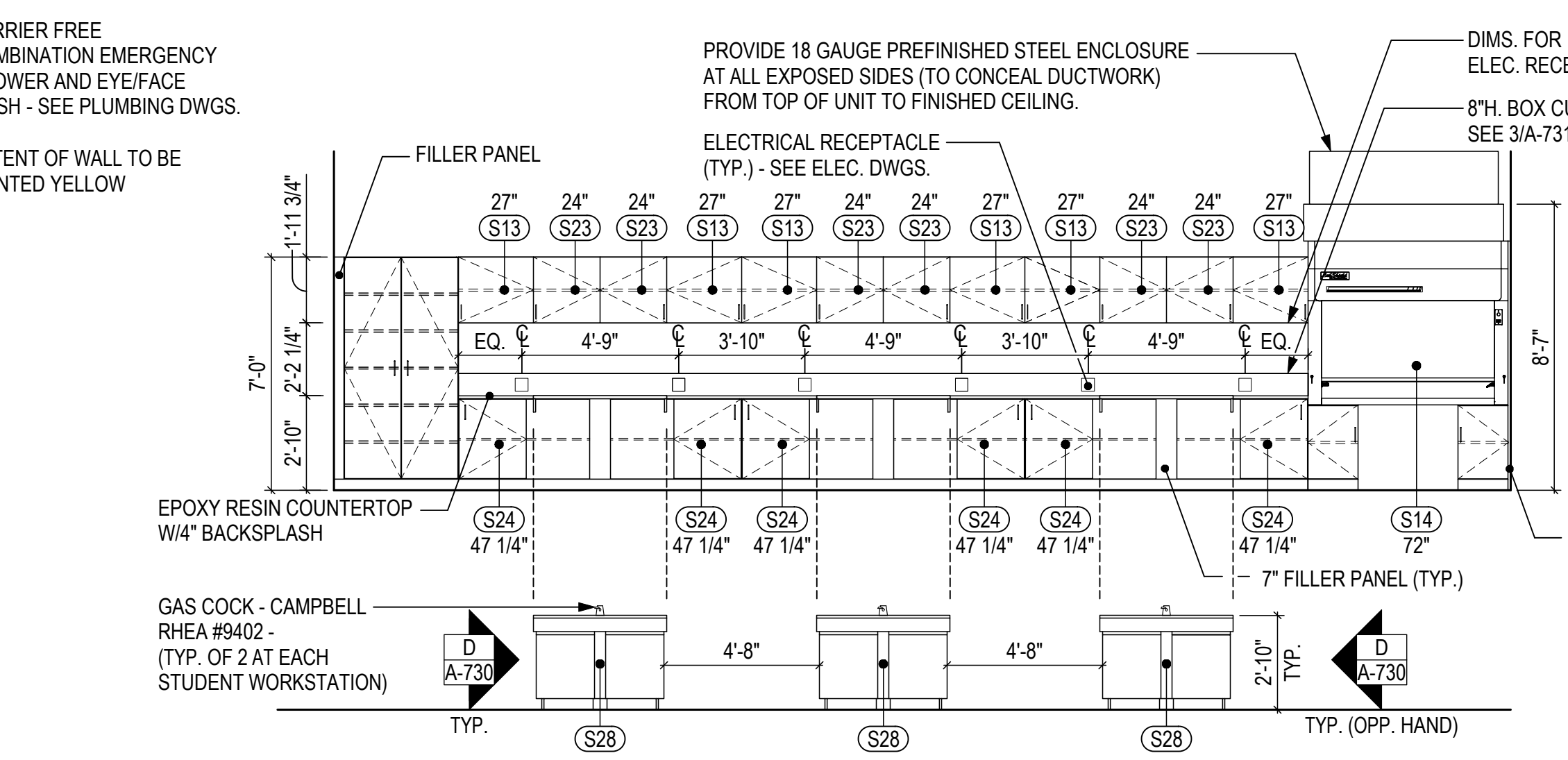
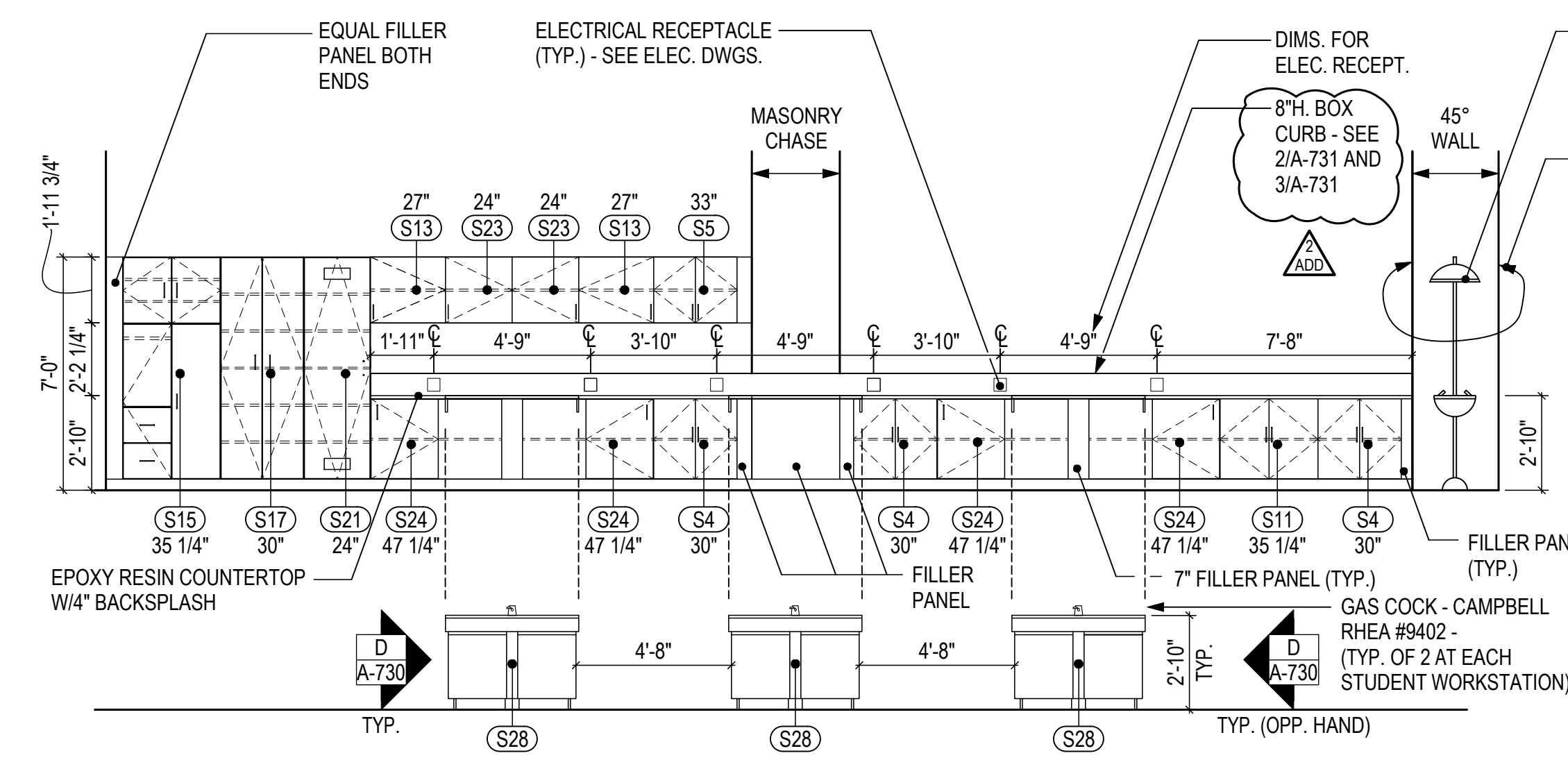
revisions

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BID AND CONSTRUCTION
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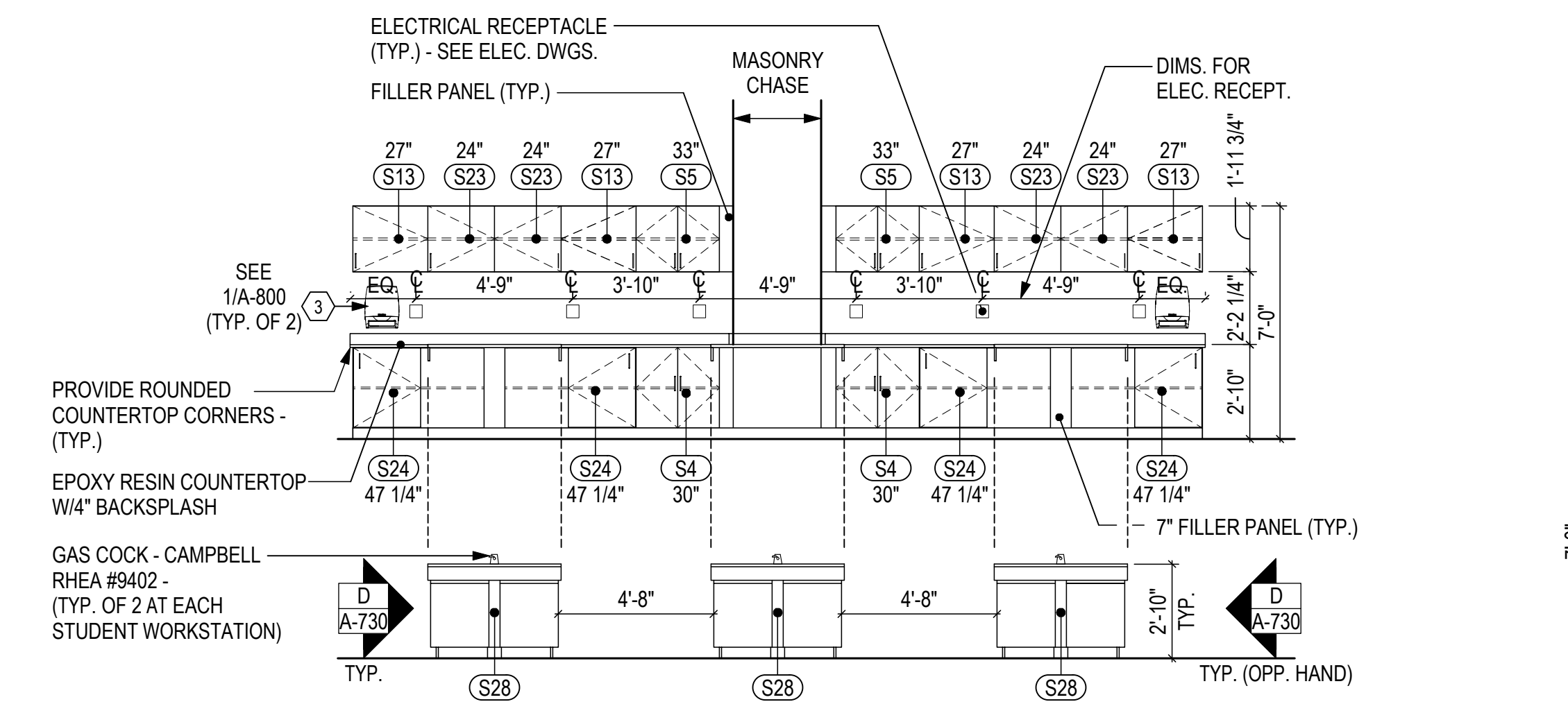
MISC. DETAILS

A-726



A C 330 PHYSICAL SCIENCE CLASSROOM 3
 C 324 PHYSICAL SCIENCE CLASSROOM 1 (OPP. HAND)
 C 326 PHYSICAL SCIENCE CLASSROOM 2 (OPP. HAND)
 C 332 PHYSICAL SCIENCE CLASSROOM 4

B C 330 PHYSICAL SCIENCE CLASSROOM 3
 C 324 PHYSICAL SCIENCE CLASSROOM 1 (OPP. HAND)
 C 326 PHYSICAL SCIENCE CLASSROOM 2 (OPP. HAND)
 C 332 PHYSICAL SCIENCE CLASSROOM 4



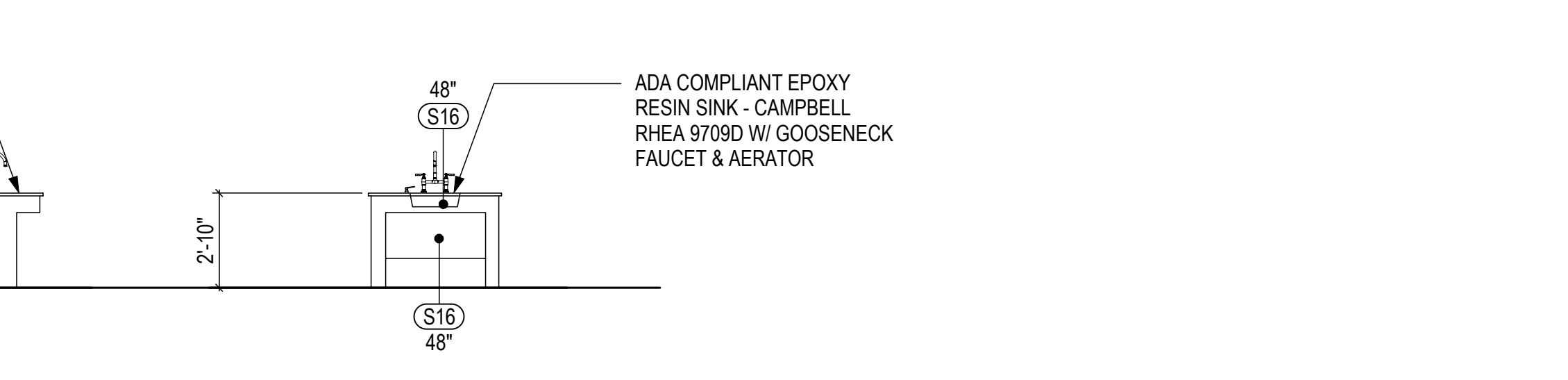
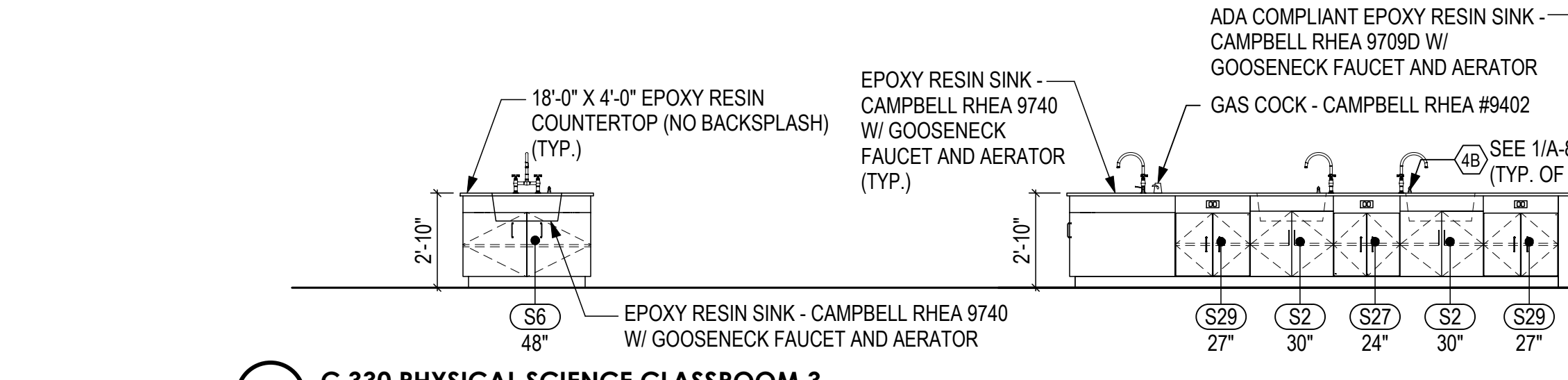
C C 330 PHYSICAL SCIENCE CLASSROOM 3
 C 324 PHYSICAL SCIENCE CLASSROOM 1
 C 326 PHYSICAL SCIENCE CLASSROOM 2
 C 332 PHYSICAL SCIENCE CLASSROOM 4

D C 330 PHYSICAL SCIENCE CLASSROOM 3
 C 324 PHYSICAL SCIENCE CLASSROOM 1
 C 326 PHYSICAL SCIENCE CLASSROOM 2
 C 332 PHYSICAL SCIENCE CLASSROOM 4

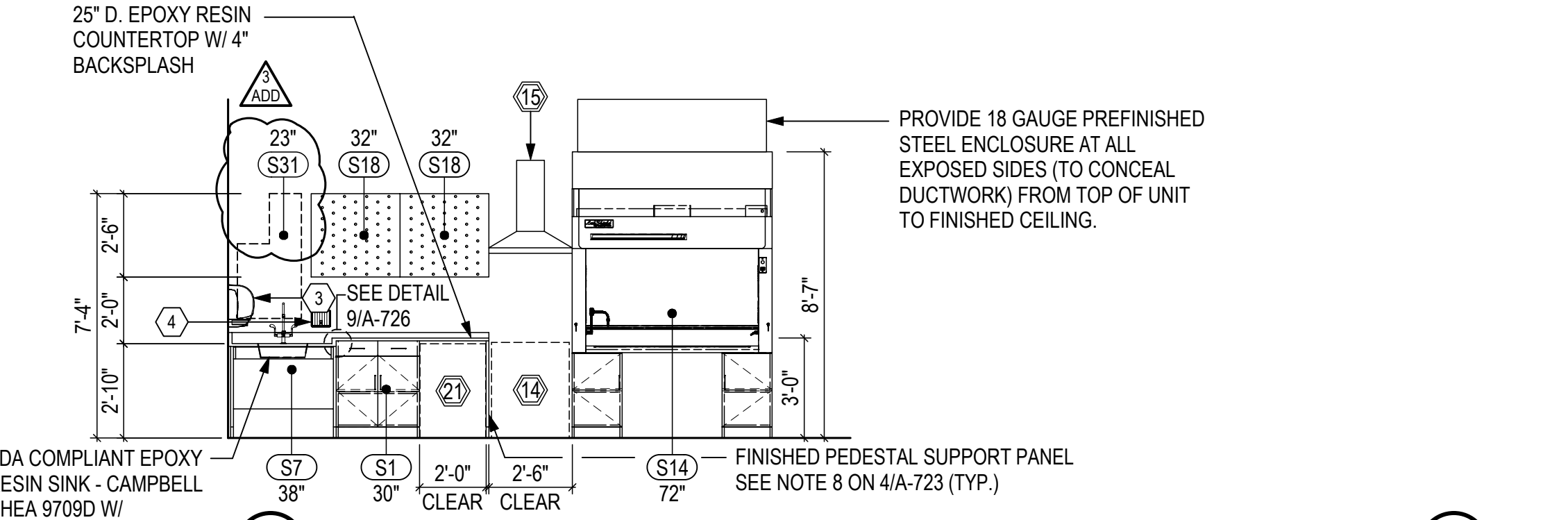
LEFT END VIEW

SIDE VIEW (TYP. OF 2)

RIGHT END VIEW



E C 330 PHYSICAL SCIENCE CLASSROOM 3
 C 324 PHYSICAL SCIENCE CLASSROOM 1
 C 326 PHYSICAL SCIENCE CLASSROOM 2
 C 332 PHYSICAL SCIENCE CLASSROOM 4

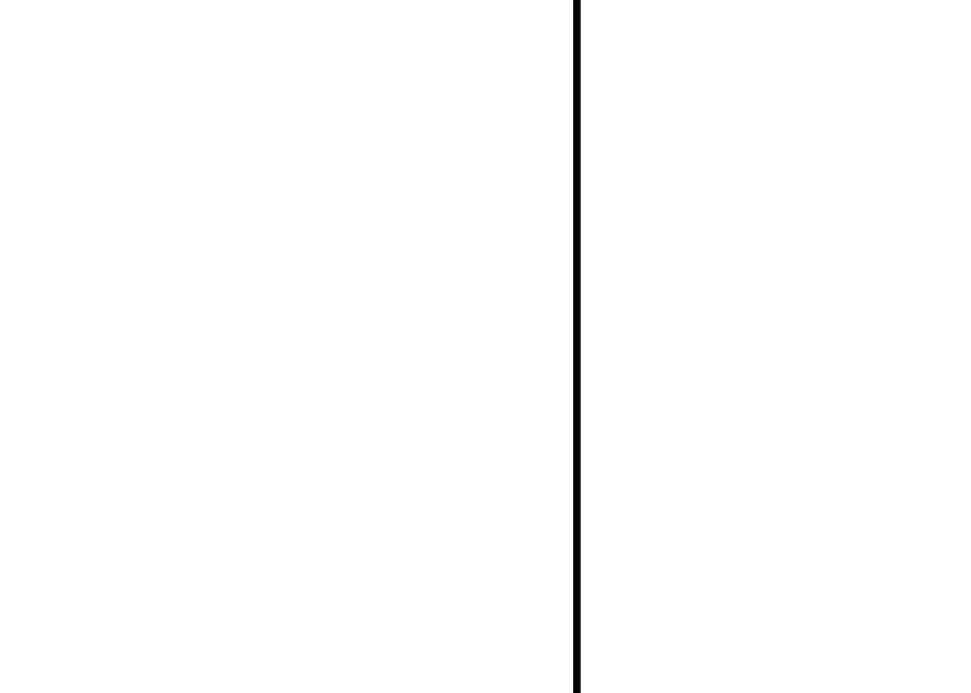
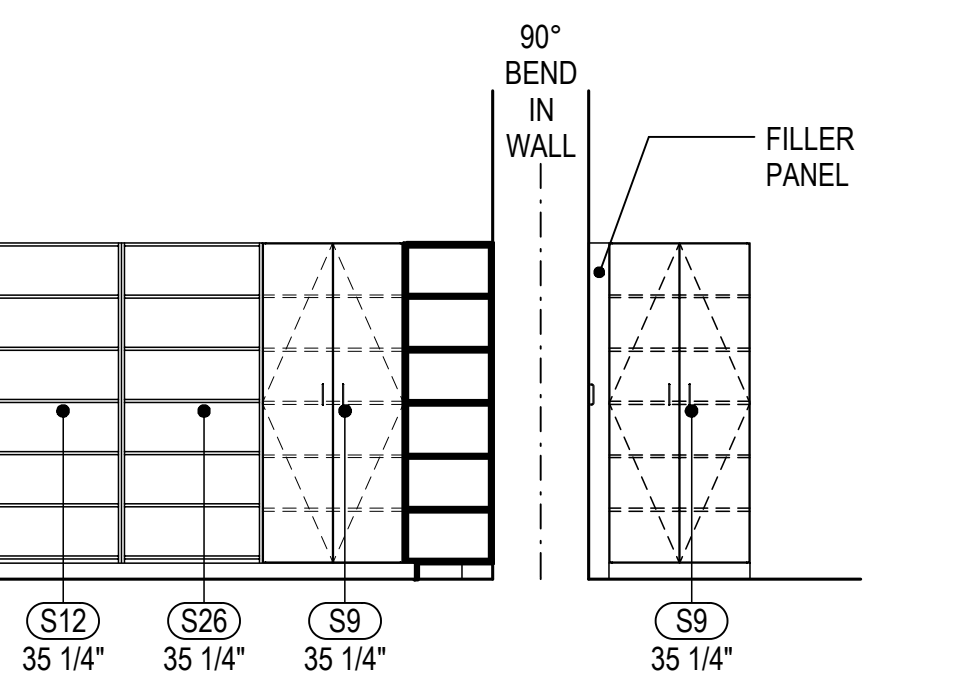
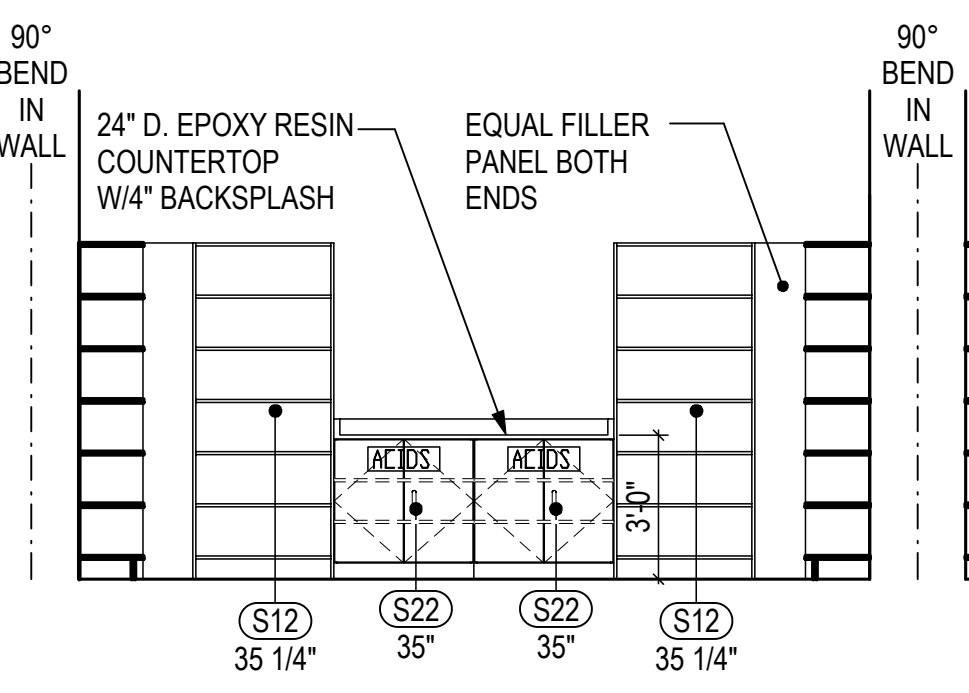
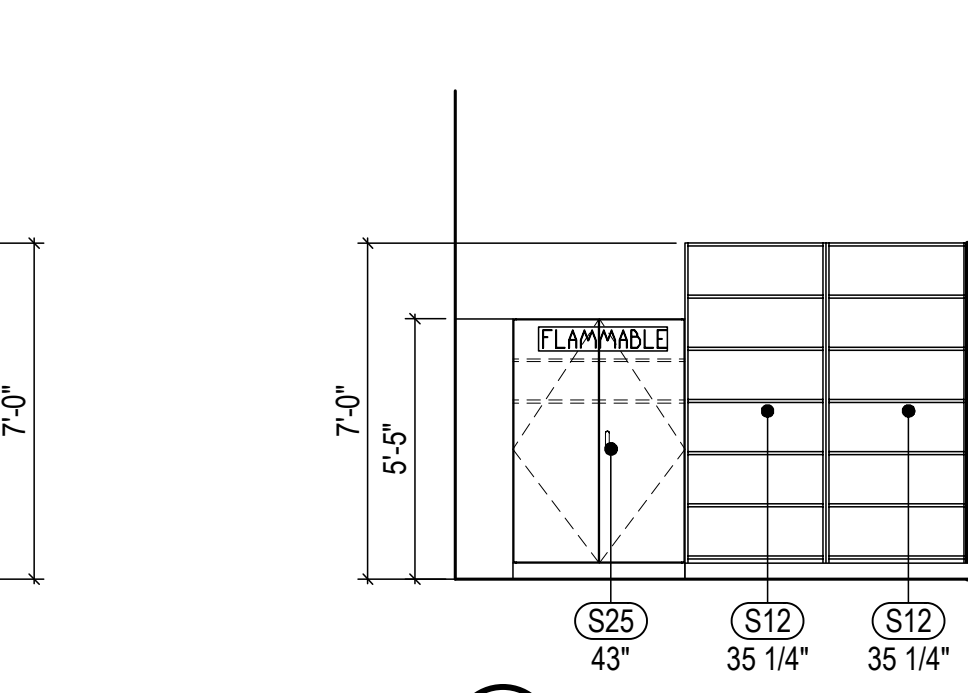
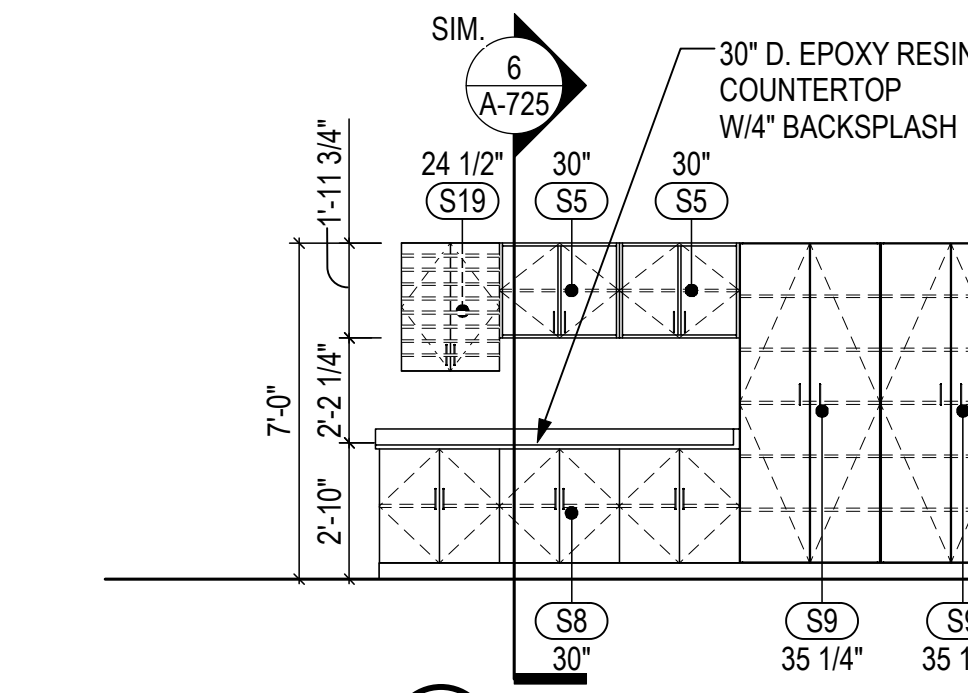


F C 327 PREPARATION
 SEE APPLIANCE SCHEDULE 21E/G-114
 SEE TOILET ACCESSORY SCHEDULE 1A-A-800

G C 232 LIFE SCIENCE CLASSROOM 3
 C 224 LIFE SCIENCE CLASSROOM 1 (OPP. HAND)
 C 226 LIFE SCIENCE CLASSROOM 2 (OPP. HAND)
 C 232 LIFE SCIENCE CLASSROOM 4

C 238 EARTH/SPACE SCIENCE CLASSROOM 1 (OPP. HAND)
 C 240 EARTH/SPACE SCIENCE CLASSROOM 2 (OPP. HAND)
 C 340 EARTH/SPACE SCIENCE CLASSROOM 3 (OPP. HAND)
 C 342 EARTH/SPACE SCIENCE CLASSROOM 4 (OPP. HAND)

C 324 PHYSICAL SCIENCE CLASSROOM 1 (OPP. HAND)
 C 326 PHYSICAL SCIENCE CLASSROOM 2 (OPP. HAND)
 C 330 PHYSICAL SCIENCE CLASSROOM 3
 C 332 PHYSICAL SCIENCE CLASSROOM 4



H C 327 PREPARATION
 C 327 PREPARATION

I C 327A STORAGE
 C 227A STORAGE

J C 327A STORAGE
 C 227A STORAGE

A-J SCIENCE CASEWORK ELEVATIONS
 SCALE: 1/4" = 1'-0"

	DESCRIPTION	MANUF.	CAT. NO.	WIDTH	HEIGHT	DEPTH	REMARKS
S1	BASE CABINET W/ DOORS AND DRAWERS	CAMPBELL RHEA	1572	26"	211"	1'10 1/2"	
S2	SINK CABINET	CAMPBELL RHEA	3759C	26"	29"	10"	DEPTH NOT STANDARD
S3	BASE CABINET W/ DOORS AND DRAWERS	CAMPBELL RHEA	1574	211 1/4"	211"	1'10 1/2"	
S4	BASE CABINET W/ DOORS	CAMPBELL RHEA	3681C	26"	29"	1'10 1/2"	
S5	WALL CABINET W/ DOORS	CAMPBELL RHEA	4704	26"	1'11 3/4"	16"	DEPTH NOT STANDARD
S6	SINK CABINET	CAMPBELL RHEA	2362	40"	29"	32"	DIMENSIONS OF CABINET ARE NOT STANDARD. PROVIDE A CURVED BASE WITH A 4-0" DIAMETER. FURNISH W/ 25"W X 15" D. X 10" H. SINK, #9526 HW & CW FAUCET AND STRAINER.
S7	ADA CLOSURE PANEL ASSEMBLY	CAMPBELL RHEA	8760	32"	210"	1'10 1/2"	
S8	BASE CABINET W/ DOORS	CAMPBELL RHEA	3681C	26"	29"	18"	
S9	TALL STORAGE CABINET W/ DOORS	CAMPBELL RHEA	5688	211 1/4"	70"	1'10 1/2"	
S10	SINK CABINET	CAMPBELL RHEA	3759A	20"	29"	1'10 1/2"	
S11	BASE CABINET W/ DOORS	CAMPBELL RHEA	3681D	211 1/4"	29"	1'10 1/2"	
S12	TALL OPEN STORAGE CABINET	CAMPBELL RHEA	5650	211 1/4"	70"	14"	PROVIDE WITH CHEMICALLY RESISTANT SHELVING AND 1" LIP
S13	WALL CABINET W/ DOORS	CAMPBELL RHEA	4702	23"	1'11 3/4"	16"	PROVIDE WITH ONE DOOR. DEPTH NOT STANDARD
S14	BARRIER FREE FUME HOOD	CAMPBELL RHEA	8800	60"	79 1/4"	29 1/4"	FURNISH W/ 1CW GOOSENECK, 2 GAS COOKS, 2 DUPLEX RECEPTACLES, HC ACCESS, LT FIXT, CUP SINK
S15	TEACHER'S WARDROBE AND STORAGE	CAMPBELL RHEA	5872	211 1/4"	70"	1'10 1/2"	FURNISH W/ TWO FILE CABINETS AS SHOWN AND SHELVES. PROVIDE W/ SEPARATE DOORS FOR UPPER SHELVES AS SHOWN. WIDTH NOT STANDARD.
S16	ADA CLOSURE ASSEMBLY	CAMPBELL RHEA	8760	40"	29"	32"	DEPTH NOT STANDARD. PROVIDE SIDE PANELS AND RAIL CURVED.
S17	TALL STORAGE CABINET W/ DOORS	CAMPBELL RHEA	5686	---	70"	1'10 1/2"	
S18	PEG BOARD	CAMPBELL RHEA	6678	28"	26"	1"	EQUIPPED WITH 53 POLYPROPYLENE PEGS
S19	GOGGLE CABINET	CAMPBELL RHEA	6784	20 1/2"	28"	9 1/2"	120 VOLTS
S20	FIRE BLANKET	CAMPBELL RHEA	9960	15"	17 1/2"	10"	
S21	APRON STORAGE	CAMPBELL RHEA	5854	20"	70"	1'10 1/2"	
S22	ACID STORAGE	CAMPBELL RHEA	6781B	211"	211"	1'10"	22 GALLON CAPACITY
S23	WALL CABINET W/ DOORS	CAMPBELL RHEA	4700	20"	1'11 3/4"	16"	PROVIDE WITH ONE DOOR. DEPTH NOT STANDARD
S24	BLIND CORNER BASE CABINET W/ DOOR AND DRAWER	CAMPBELL RHEA	3780P/3783P	311 1/4"	29"	1'10 1/2"	
S25	FLAMMABLE STORAGE CABINET	CAMPBELL RHEA	6781B	37"	55"	16"	44 GALLON CAPACITY. VENTED TO ROOF.
S26	TALL OPEN STORAGE CABINET	CAMPBELL RHEA	5650	211 1/4"	70"	11"	PROVIDE WITH CHEMICALLY RESISTANT SHELVING AND 1" LIP
S27	OPEN SINK CABINET	CAMPBELL RHEA	3755A	20"	29"	19"	INSTALL ELECTRICAL RECEPTACLE IN FACE OF APRON. DEPTH NOT STANDARD.
S28	SINGLE LEG	CAMPBELL RHEA	6970	0"	210"	0"	HEIGHT NOT STANDARD
S29	OPEN SINK CABINET	CAMPBELL RHEA	3755B	23"	29"	19"	INSTALL ELECTRICAL RECEPTACLE IN FACE OF APRON. DEPTH NOT STANDARD.
S30	TALL OPEN STORAGE CABINET	CAMPBELL RHEA	5632	211 1/4"	70"	10"	
S31	DISTILLATION APPARATUS	BARNSTEAD	MP-3A	111"	39"	10"	220 VOLT, CW CONNECTION REQ'D

GENERAL NOTES FOR SCIENCE CASEWORK:

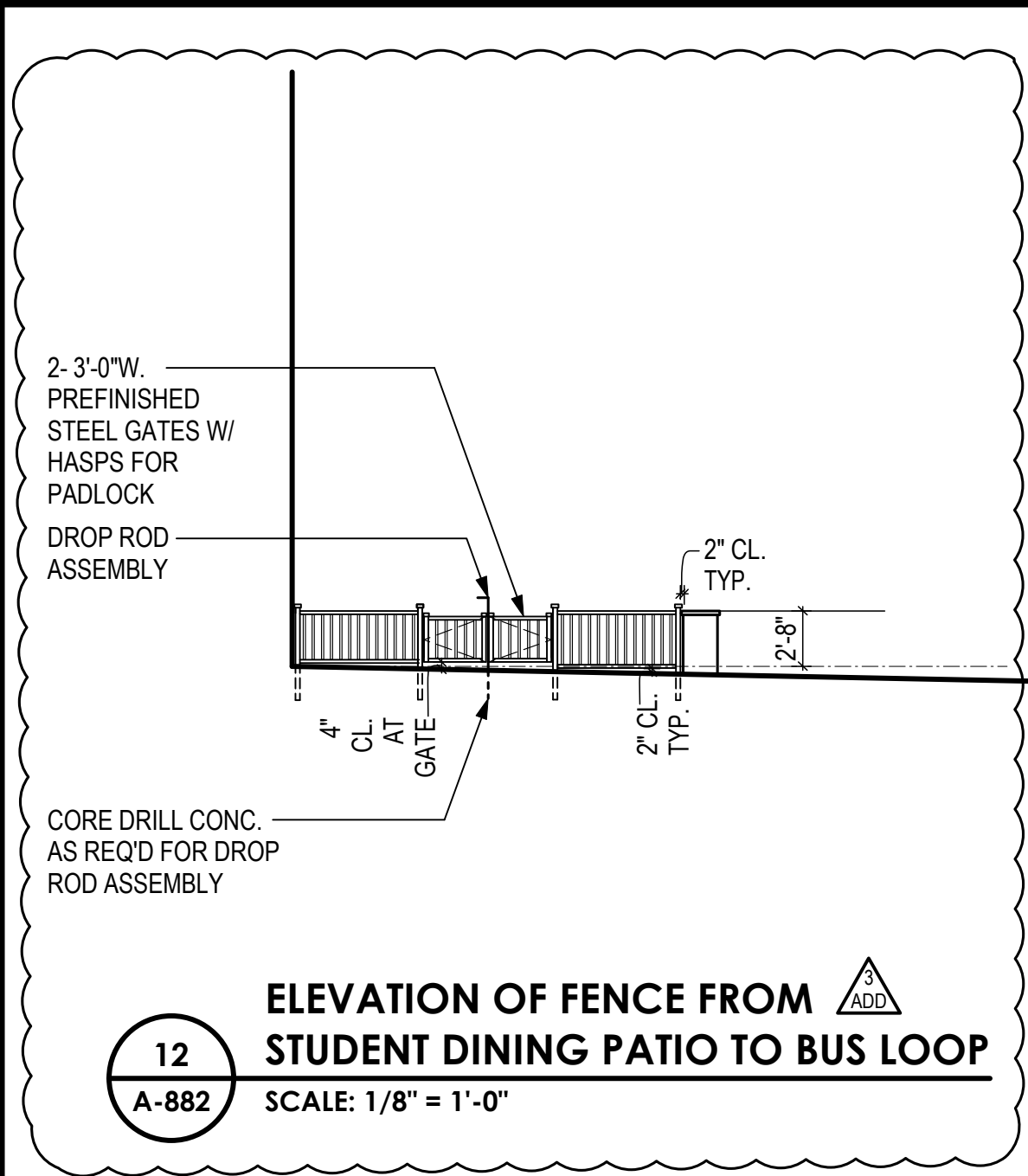
- MANUFACTURERS AND MODEL NUMBERS LISTED ABOVE ESTABLISH A LEVEL OF QUALITY AND FINISH REQUIRED WHEN SUBMITTING PRODUCTS FOR EQUIVALENCY APPROVAL.
- HEIGHTS INDICATED ARE FROM FLOOR TO TOP OF FINISHED COUNTERTOP OR TALL CABINET UNIT.
- DEPTHS INDICATED ARE ACTUAL UNIT DEPTH.
- ALL CABINETS TO HAVE 4" VINYL BASE ON ALL EXPOSED SIDES.
- ALL COUNTERTOPS SHOWN ON A-730 AND A-731 SHALL BE MODIFIED EPOXY RESIN COUNTERTOPS W/ EPOXY RESIN BACKSPASHES IN HEIGHTS INDICATED ON ELEVATIONS. ALL SINKS ON A-730 AND A-731 SHALL BE EPOXY RESIN.
- PROVIDE FILLERS AS REQUIRED FOR FULL DOOR SWING AT ALL INSIDE CORNER CABINETS.
- PROVIDE 2" x 4" LEDGER STRIPS TO SUPPORT COUNTERTOPS AT ALL LOCATIONS WHERE BASE CABINETS ARE NOT PROVIDED (TYP.)
- FURNISH PEDESTAL SUPPORTS IN SIZE REQUIRED TO SUPPORT COUNTERS WHERE INDICATED. SEE TYPICAL ELEVATION S/A-725 FOR PROFILE FOR PEDESTAL. PROVIDE ADJUSTABLE LEG LEVELERS AS SHOWN ON TYPICAL ELEVATION DETAIL. PROVIDE CLIP ANGLES WHERE NECESSARY TO ANCHOR TO WALL.
- WHERE BASE CABINETS ARE PULLED AWAY FROM BACK WALL DUE TO DEEPER COUNTERTOP - PROVIDE FILLER PANELS FROM REAR OF BASE CABINET TO WALL. (TYP.)
- ALL INTERIOR SURFACES OF ALL OPEN CABINETS AND BOTTOMS OF WALL CABINETS SHALL MATCH THE EXTERIOR COLOR OF THE CABINETS.
- ALL COUNTERTOPS WITHOUT BACKSPASHES SHALL BE SCRIBED TO WALL FOR TIGHT FIT AND CAULKED.
- PROVIDE OVERHEAD CHAIN STOP TO PREVENT IMPACT WITH WALL ON ALL WARDROBE DOORS THAT OPEN ONTO A WALL.
- PROVIDE COVER PLATE FOR EACH SINK. COVER PLATE SHOULD HAVE A FINGER HOLE TO ALLOW THE PLATE TO BE LIFTED FROM THE COUNTERTOP.
- FINISH ALL EXPOSED SIDES OF CABINETRY WITH SINGLE PIECE OF LAMINATE (NO SEAMS).
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES LISTED ABOVE BEFORE SUBMITTING PROJECT BID.



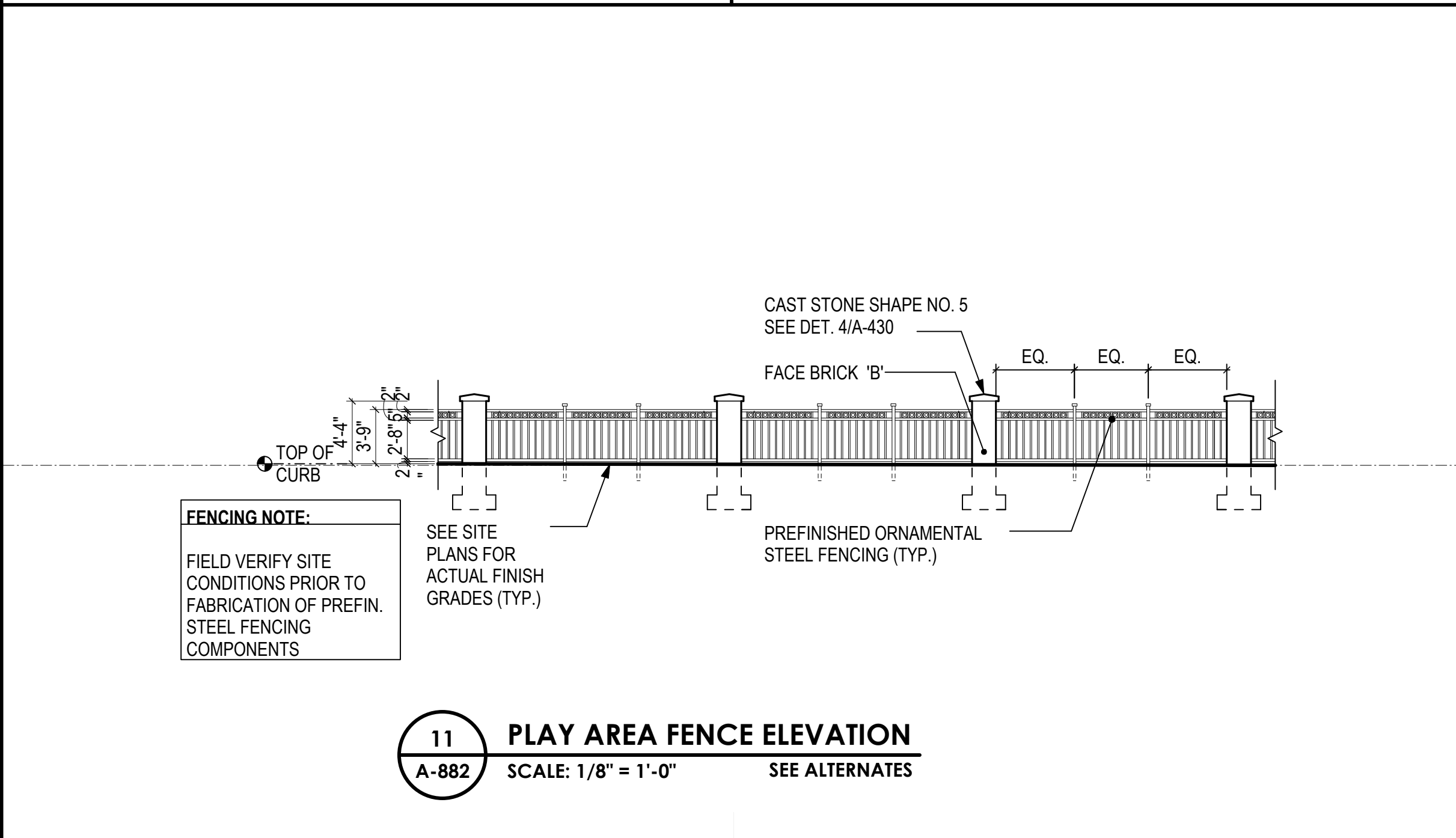
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SCIENCE CASEWORK ELEVATIONS AND SCHEDULE

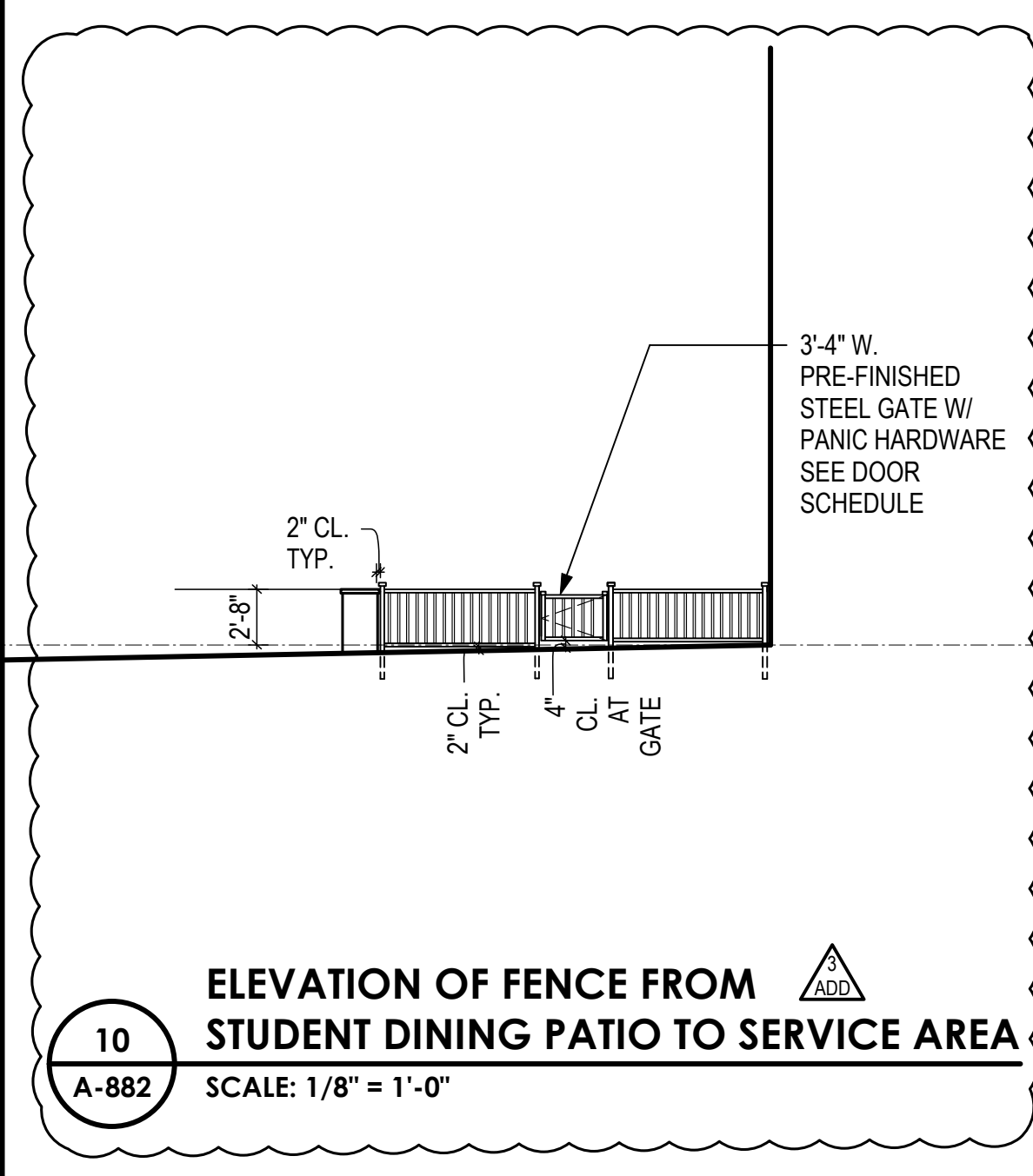
A-730



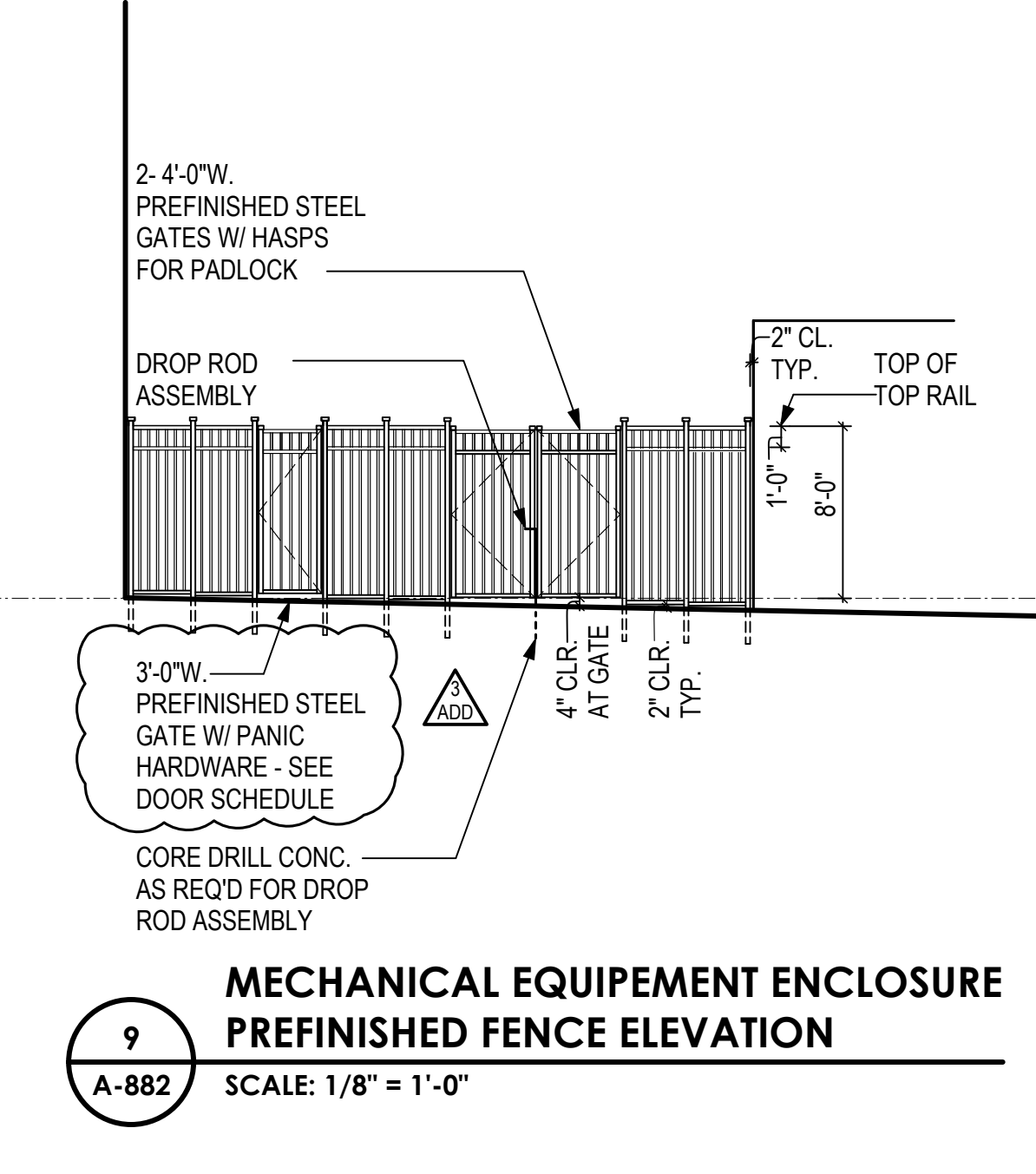
12 ELEVATION OF FENCE FROM STUDENT DINING PATIO TO BUS LOOP
A-882 SCALE: 1/8" = 1'-0"



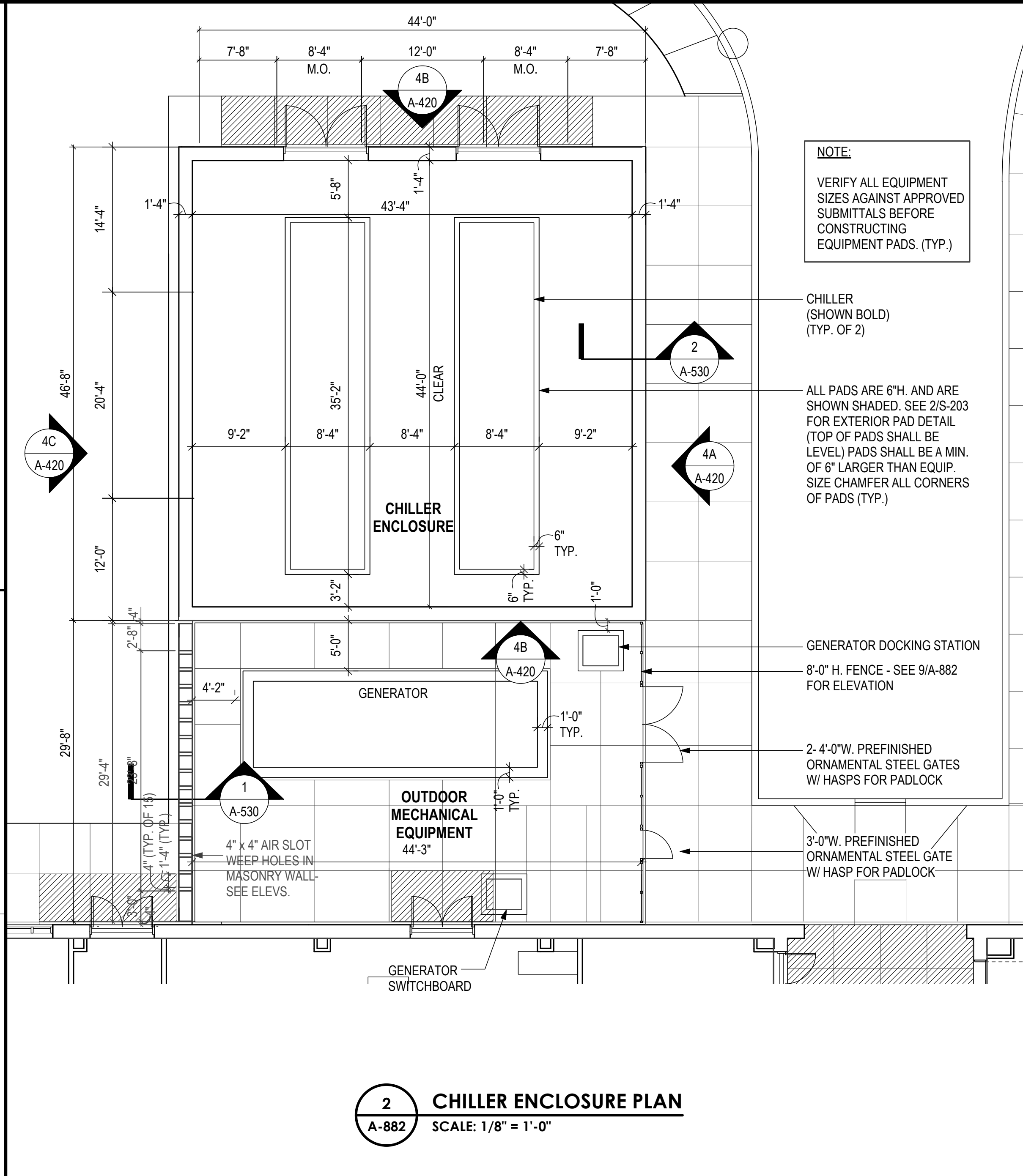
11 PLAY AREA FENCE ELEVATION
A-882 SCALE: 1/8" = 1'-0" SEE ALTERNATES



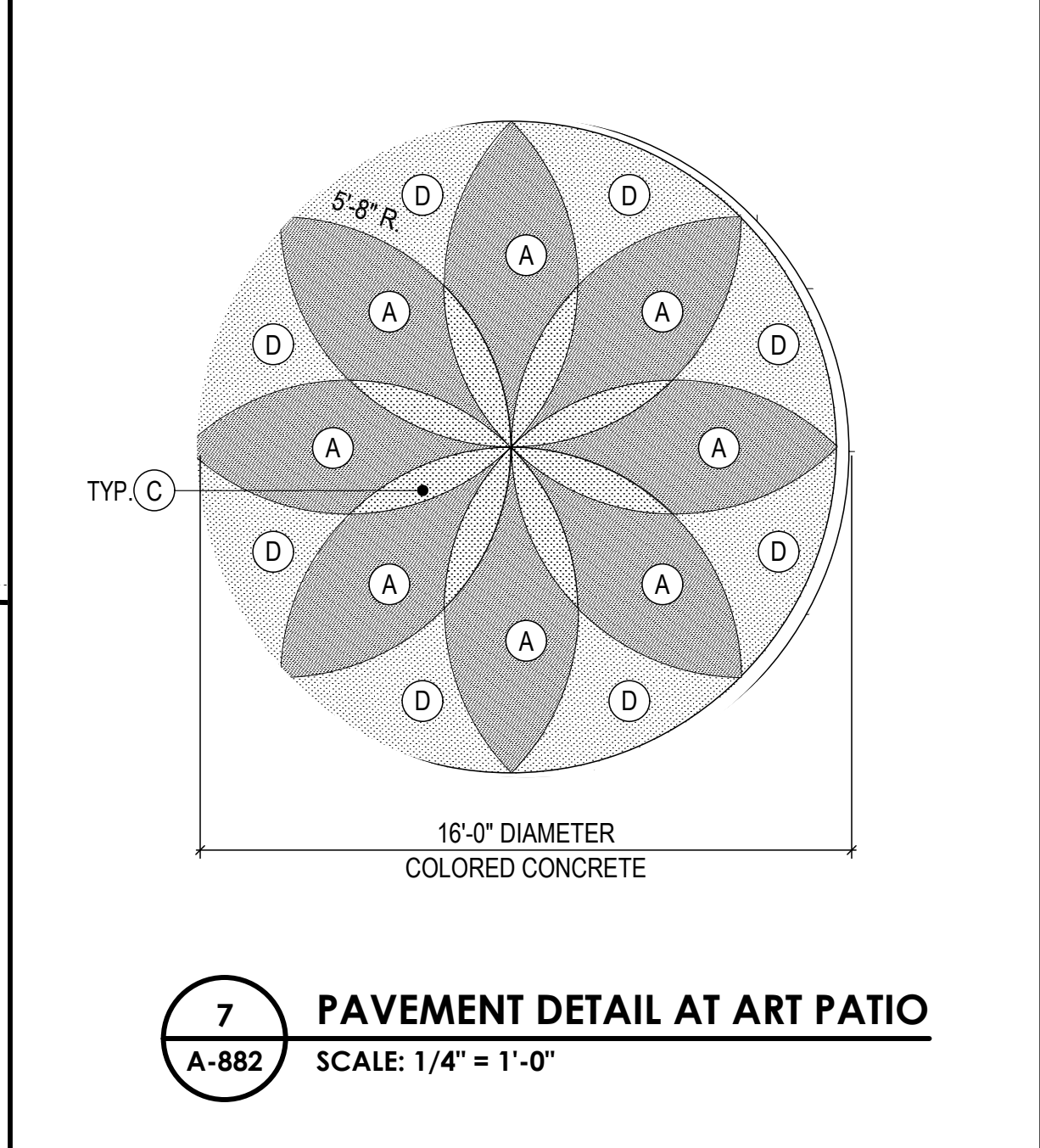
10 ELEVATION OF FENCE FROM STUDENT DINING PATIO TO SERVICE AREA
A-882 SCALE: 1/8" = 1'-0"



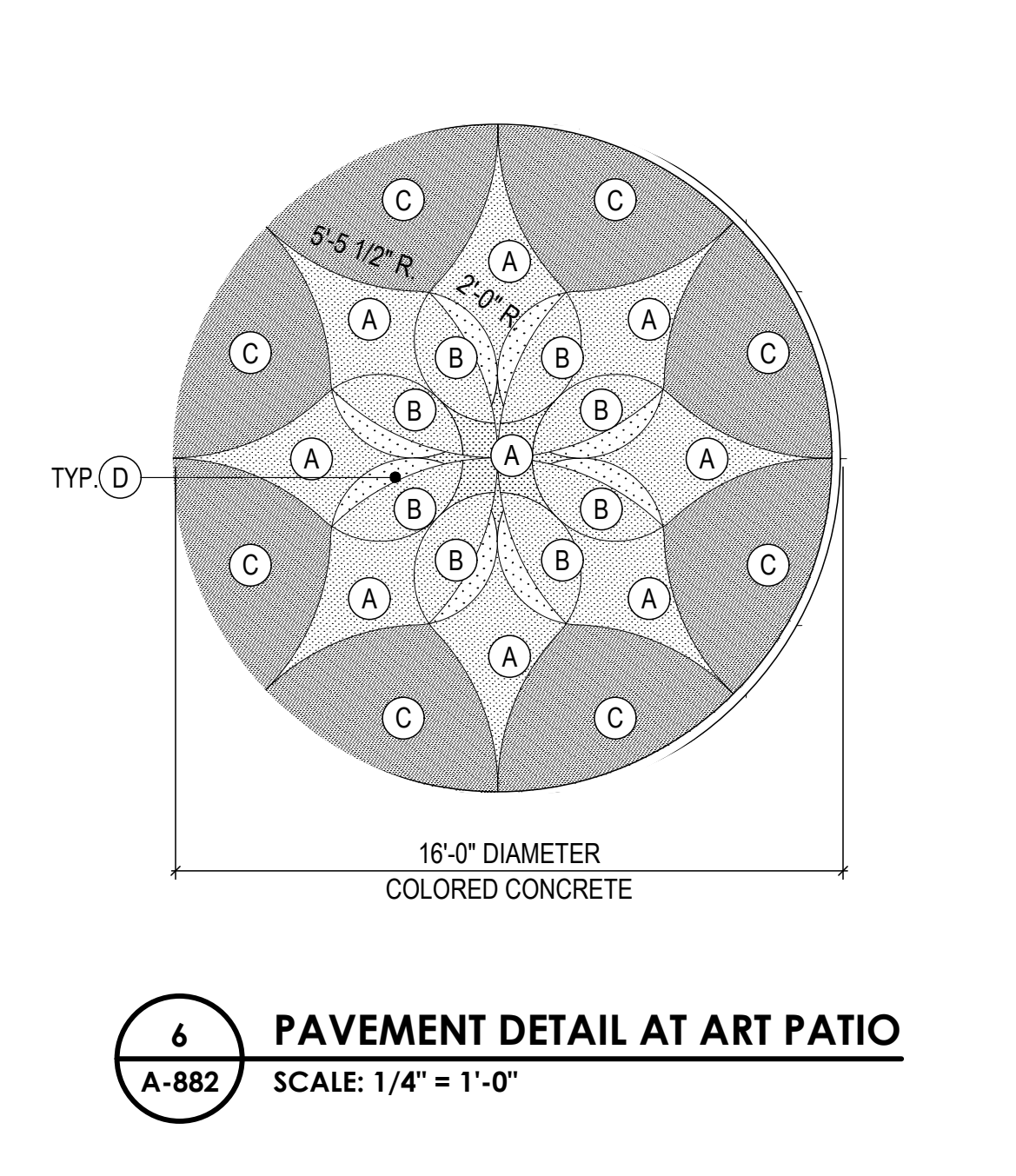
9 MECHANICAL EQUIPEMENT ENCLOSURE PREFINISHED FENCE ELEVATION
A-882 SCALE: 1/8" = 1'-0"



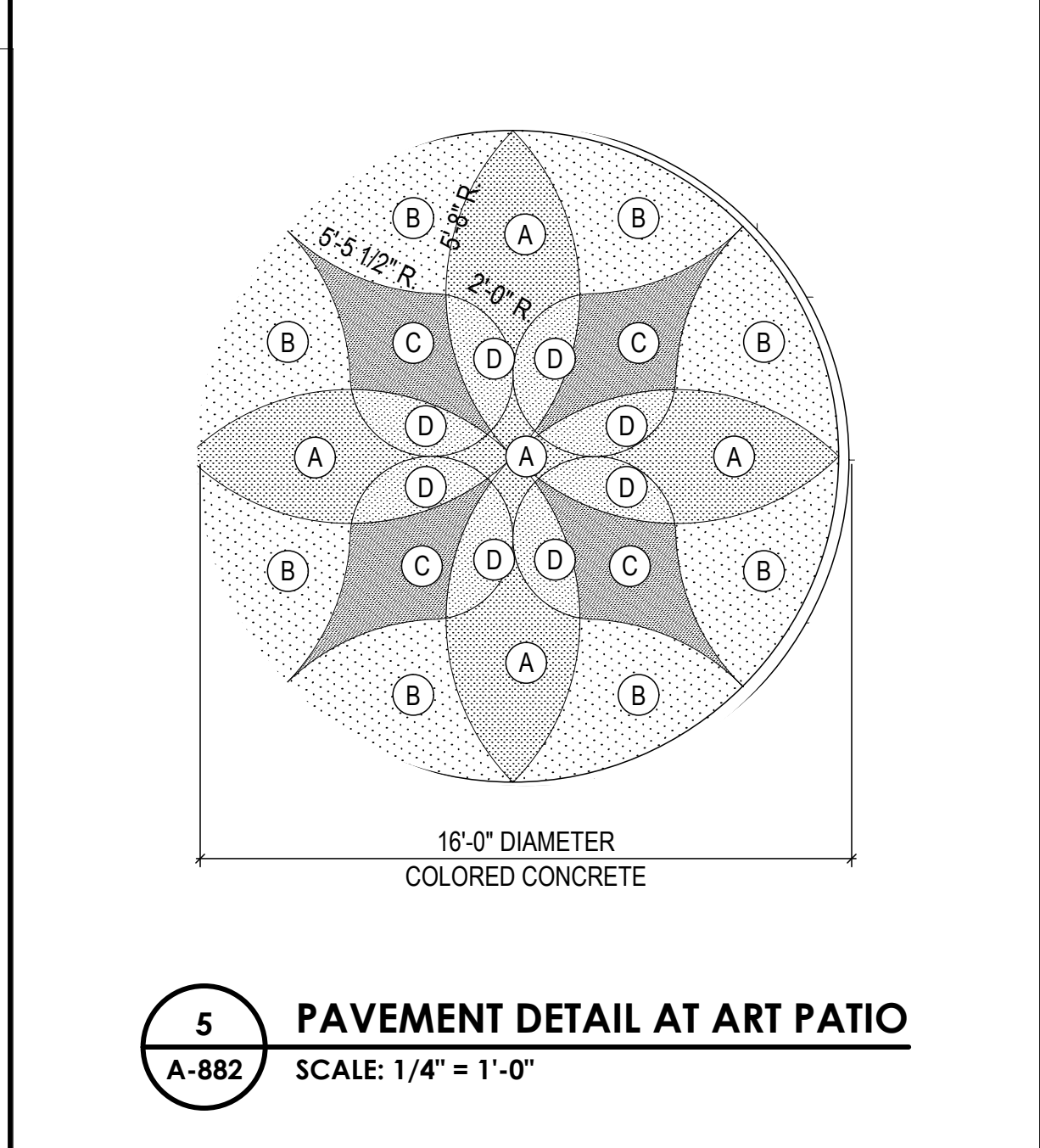
2 CHILLER ENCLOSURE PLAN
A-882 SCALE: 1/8" = 1'-0"



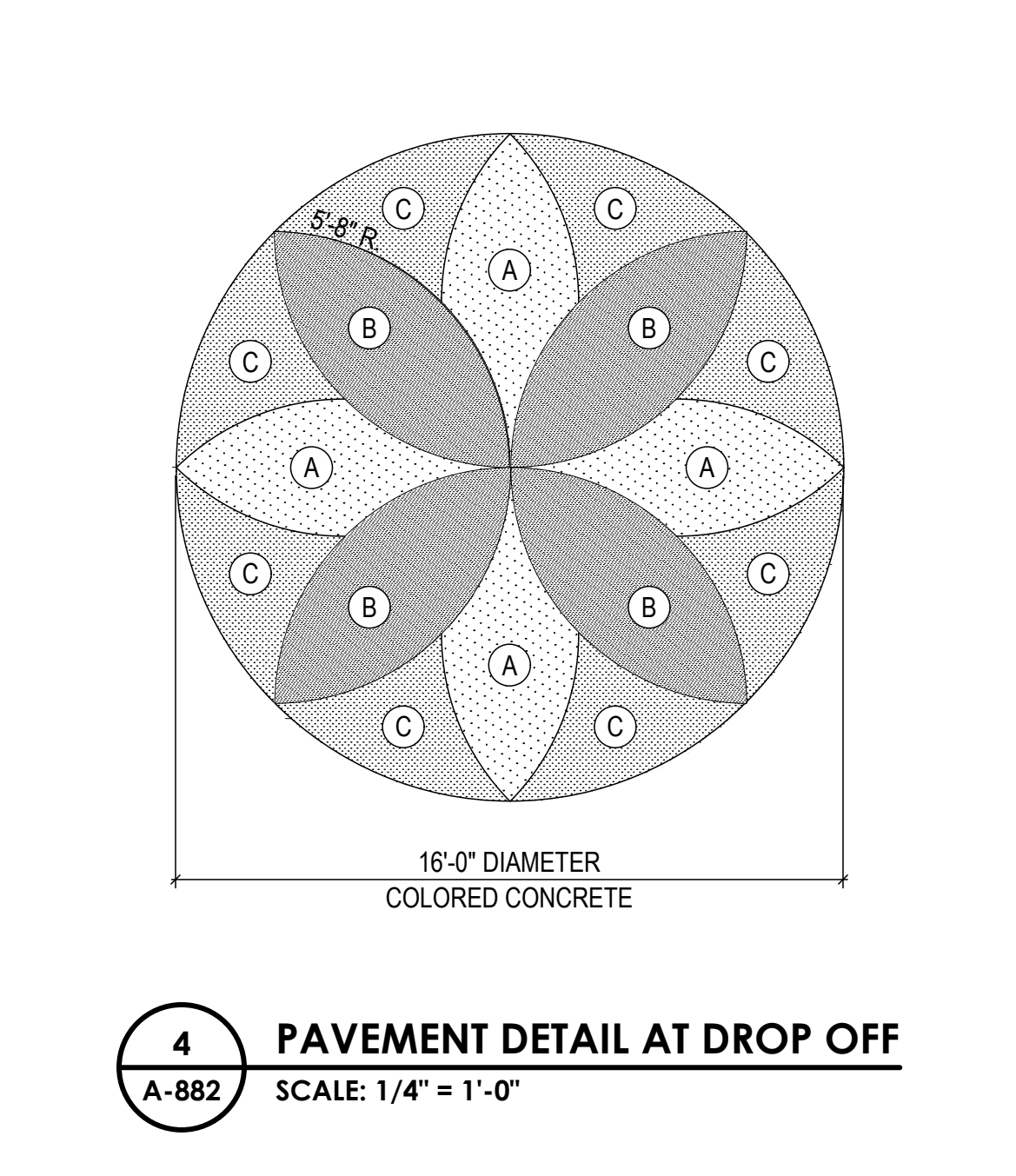
7 PAVEMENT DETAIL AT ART PATIO
A-882 SCALE: 1/4" = 1'-0"



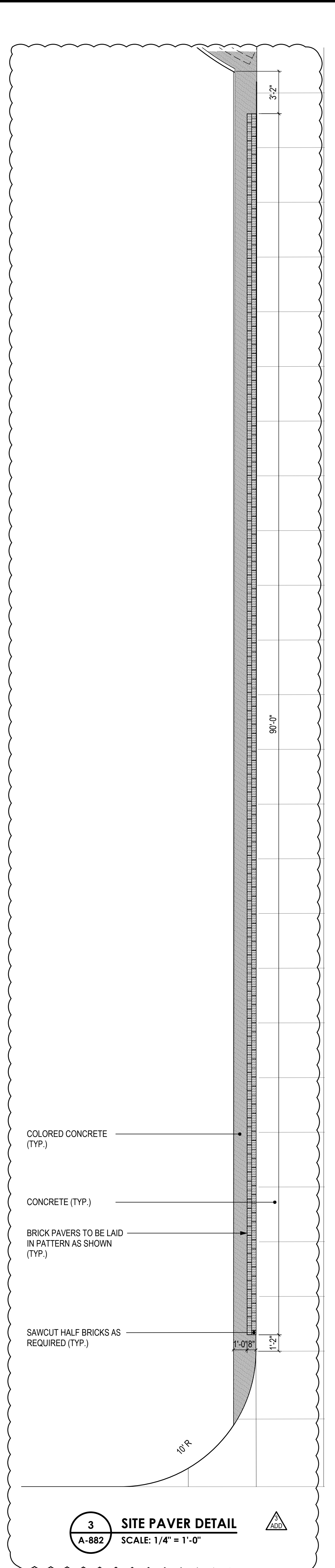
6 PAVEMENT DETAIL AT ART PATIO
A-882 SCALE: 1/4" = 1'-0"



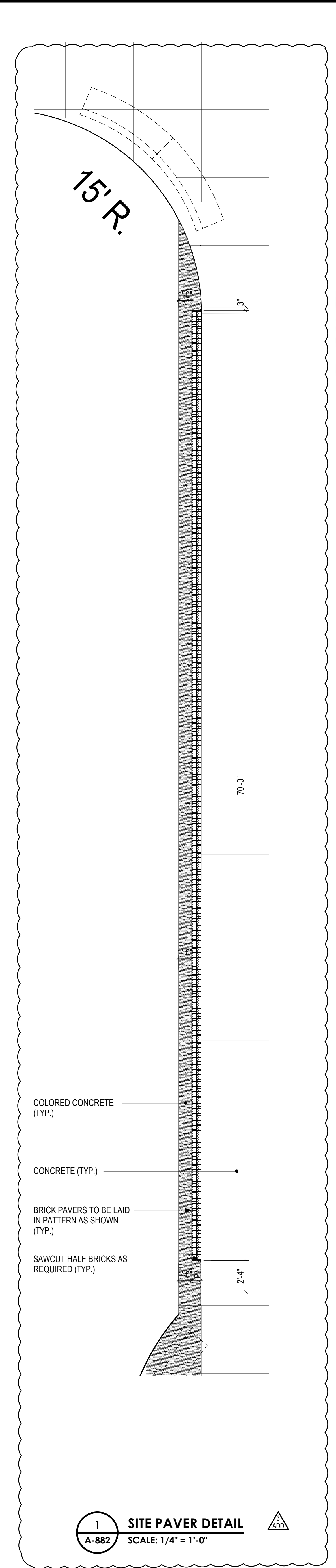
5 PAVEMENT DETAIL AT ART PATIO
A-882 SCALE: 1/4" = 1'-0"



4 PAVEMENT DETAIL AT DROP OFF
A-882 SCALE: 1/4" = 1'-0"



3 SITE PAVER DETAIL
A-882 SCALE: 1/4" = 1'-0"



1 SITE PAVER DETAIL
A-882 SCALE: 1/4" = 1'-0"

tca architects
1349 Generals Highway • Crownsville, Maryland 21032

ARCHITECT
007154
STATE OF MARYLAND

HIGH SCHOOL #13
JESSUP, MARYLAND
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

revisions	
IAC CD REVIEW	8 OCTOBER 19
BUILDING PERMIT	7 JANUARY 20
ADDENDUM 3	18 FEBRUARY 20

BID AND CONSTRUCTION
7 JANUARY 20

SITE PAVING DETAILS

A-882

147 OF 163
PROJECT NO. 1801

Oak Contracting, LLC
High School #13 Addendum No. 3
Attachment A, February 18, 2020

This Attachment A portion of the addendum includes changes and clarifications to the Contract Documents as follows:

Item:

Changes to Specifications	2 pages
Revisions to Oak portion of Addenda #2	1 pages
Scope Clarification Details #26-#31	8 pages
Current Pre-bid RFI log	2 pages
Answered Pre-bid RFIs	64 pages

General

1. When acknowledging receipt of addenda on the bid form, Contractors shall use the date included in the TCA portion of the addenda.
2. Contractors shall include all additions, deletions, clarifications and RFI responses published in addenda into their respective scopes of work as applicable.

Changes to Specifications

00 2400 Cross-reference

01 2400 – Contract Package 2A

1. Add Specification Section 07 1000 Dampproofing and Waterproofing

01 2400 – Contract Package 15A

1. Add Specification Section 07 2100 Thermal Insulation

01 2400 – Contract Package 16A

1. Add Specification Section 07 2100 Thermal Insulation

01 1113 Contract Packages

01 1113 – Contract Package 2A:

1. Item 2.37: Insert the words "and waterproofing" between the words "dampproofing" and "if"
2. Item 2.42: Delete the words "concrete pavers and"
3. Item 2.67: Insert the words "dampproofing and waterproofing" between the words "reinforcement" and "anchoring"
4. Delete item 2.81 added by Addendum #2 and replace with the following 2.81: 2.81 Spoils generated by other in the amount of 20,000 cu yds will be stockpiled in locations adjacent to the building as directed by the Construction Manager. The Contractor shall dispose of these spoils offsite. The Contractor may, at his option, reuse these spoils on site provided the spoils meet all specification requirements. The Contractor shall import/haul off all material as required to meet design grades.

01 1113 – Contract Package 3A:

1. Add the following to item 2.2: The 2A Contractor will provide all dampproofing and waterproofing at site walls and retaining walls.

01 1113 – Contract Package 16A:

1. Add the following to item 2.3: The Contractor shall furnish, install, and remove 1 additional temporary utility pole in addition to those indicated on the drawings.
2. Add the following item 2.46: 2.46 Verizon will bring temporary fiber service for the construction trailers from Mission Rd into the site to temporary pole F-13 and lay fiber on the ground. The Contractor shall install the fiber provided by Verizon onto the temporary utility poles beginning at pole F-13 to and including pole F-1. Fiber terminal and termination of fiber at the construction trailer area will be provided by Verizon.

01 1113 – All contract Packages

1. Add the following item 3.34: 3.34 Each Contractor shall provide sleeves as referenced in Specification Section 05 5000 to allow for the passage of his work through adjacent construction.

Revisions to Oak Portion of Addenda #2

1. The response to Pre-bid RFI #020 did not include the response to question #6. The complete RFI response is included in this Addenda #3

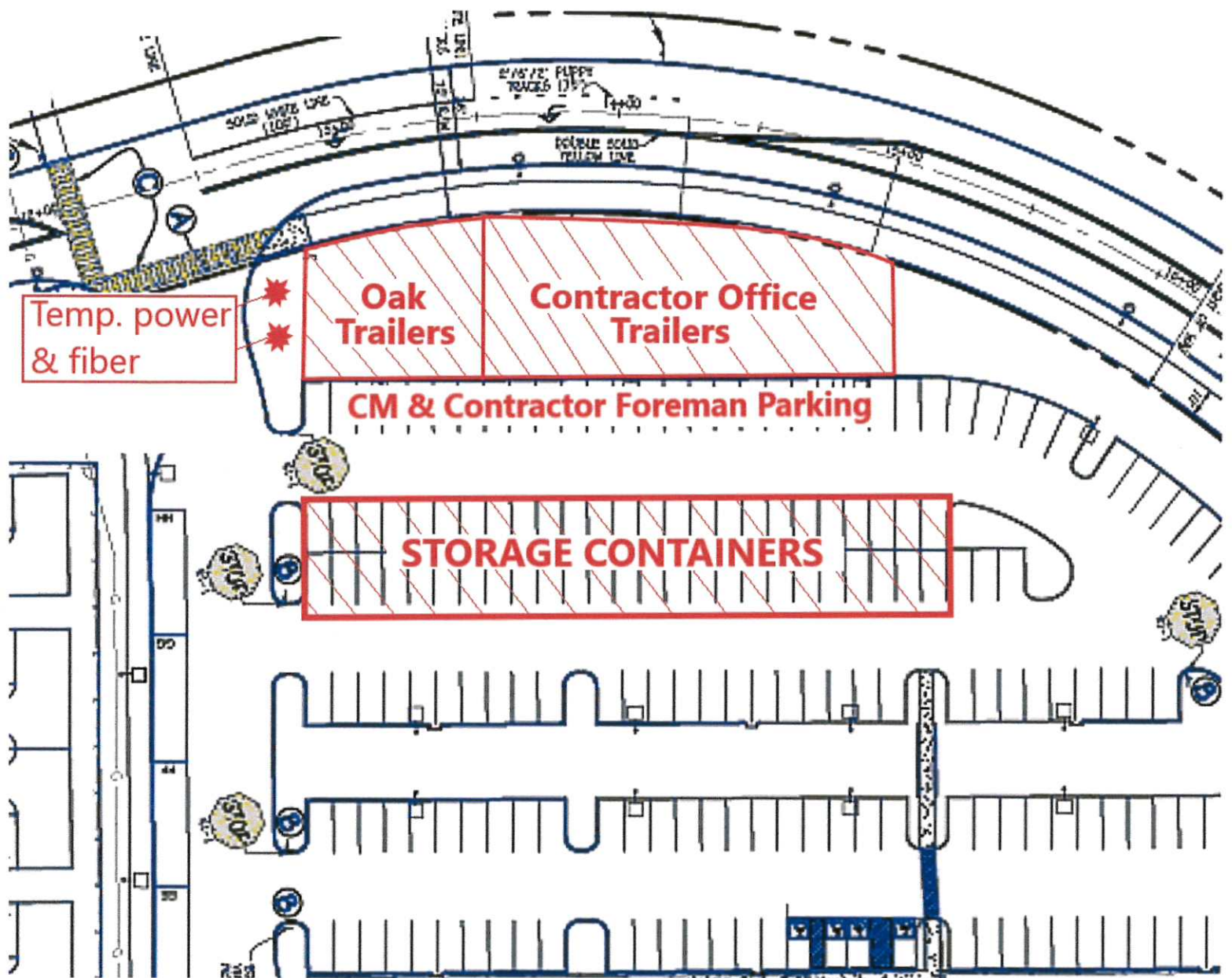
Addendum #3

Scope Clarification Details

#26-#31

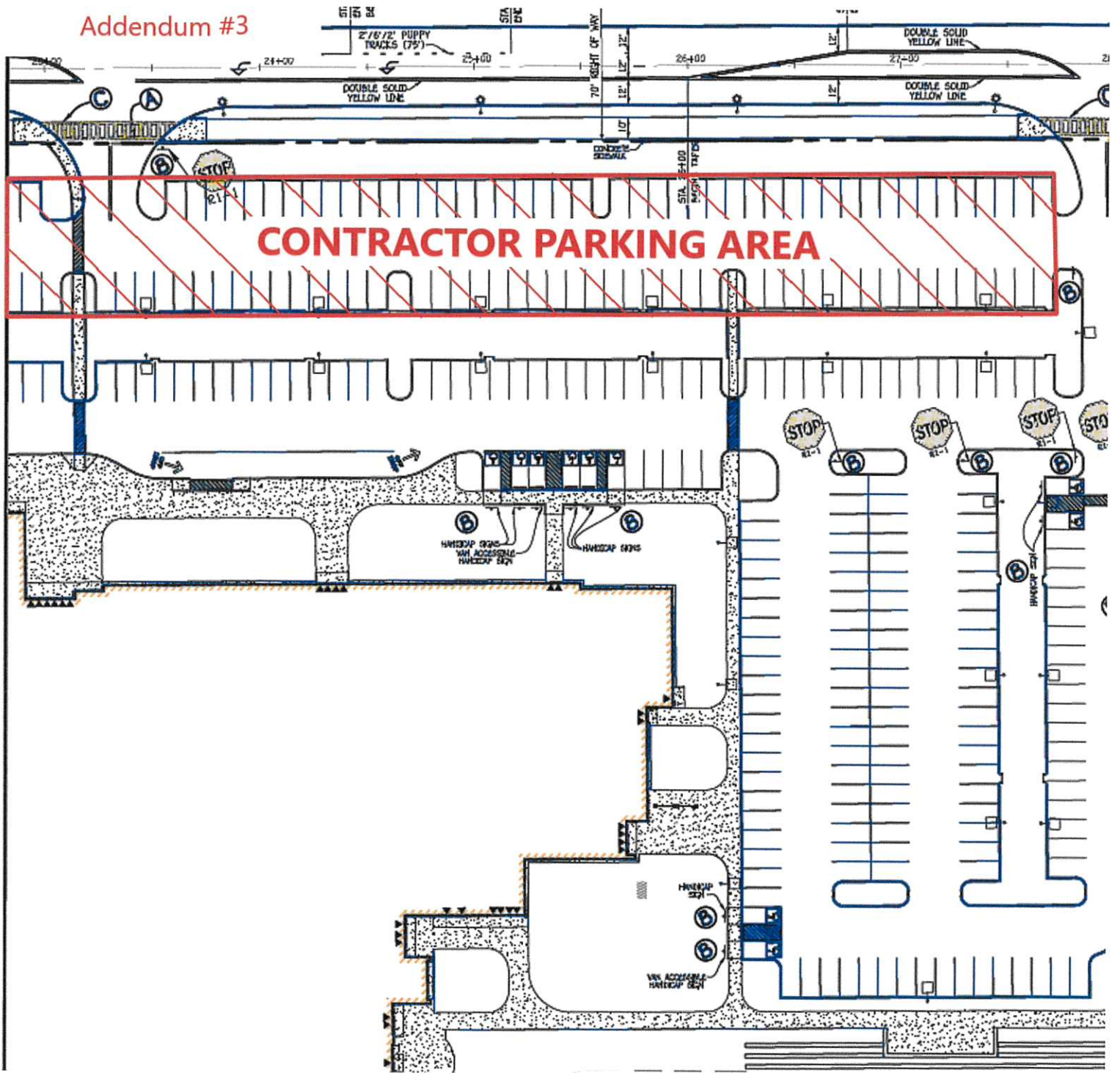
Scope Clarification Details #1-#25 were included in previous addenda

Addendum #3



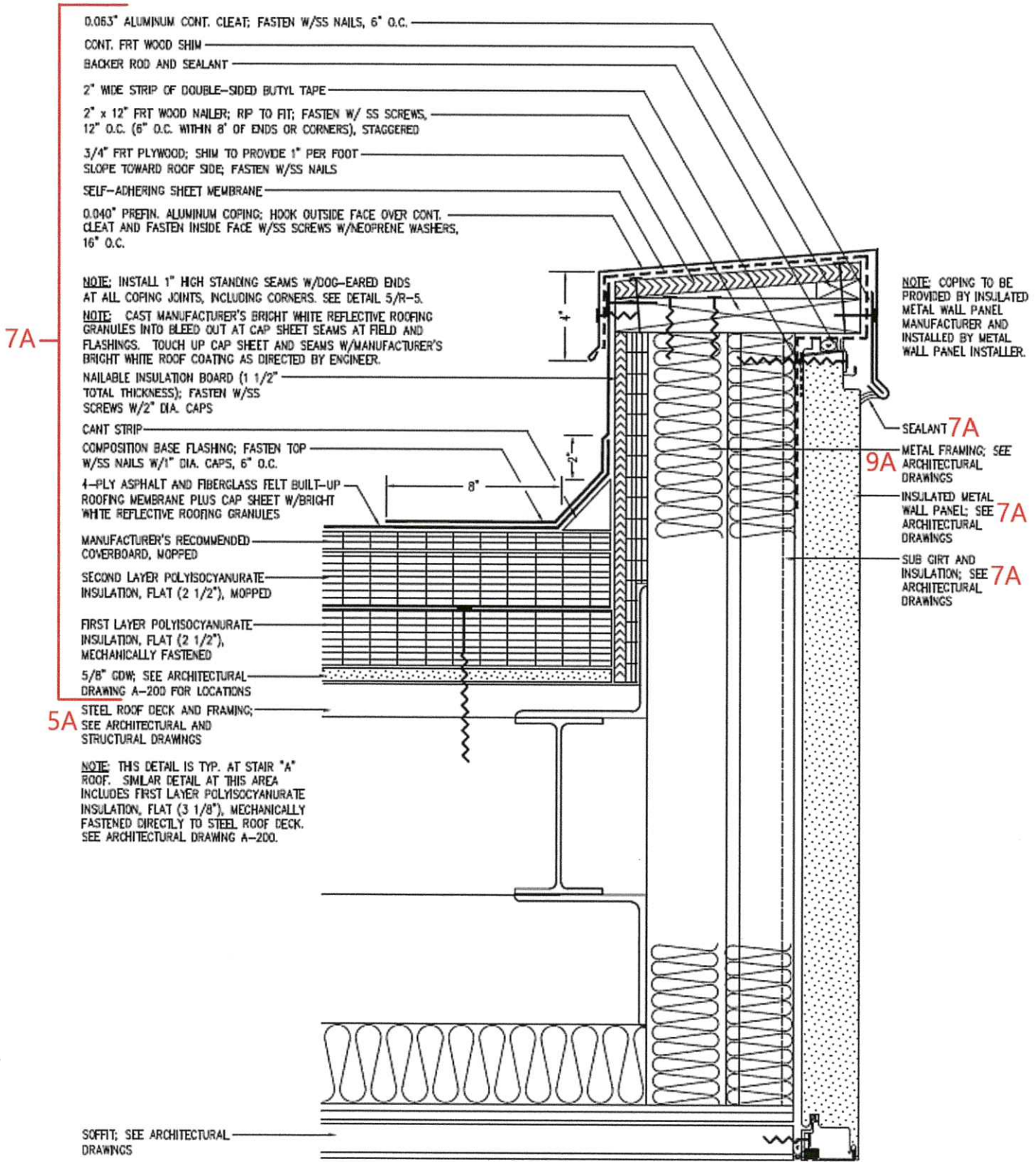
The staging areas shown on the drawings shall be installed as the progress of the work allows. Until such time, the contractor shall place and relocate storage containers as may be required to avoid delay to the progress of the project. Office trailers may mobilize following completion of these staging areas.

Addendum #3



Scope Clarification Detail #26
[2 of 2]

Addendum #3

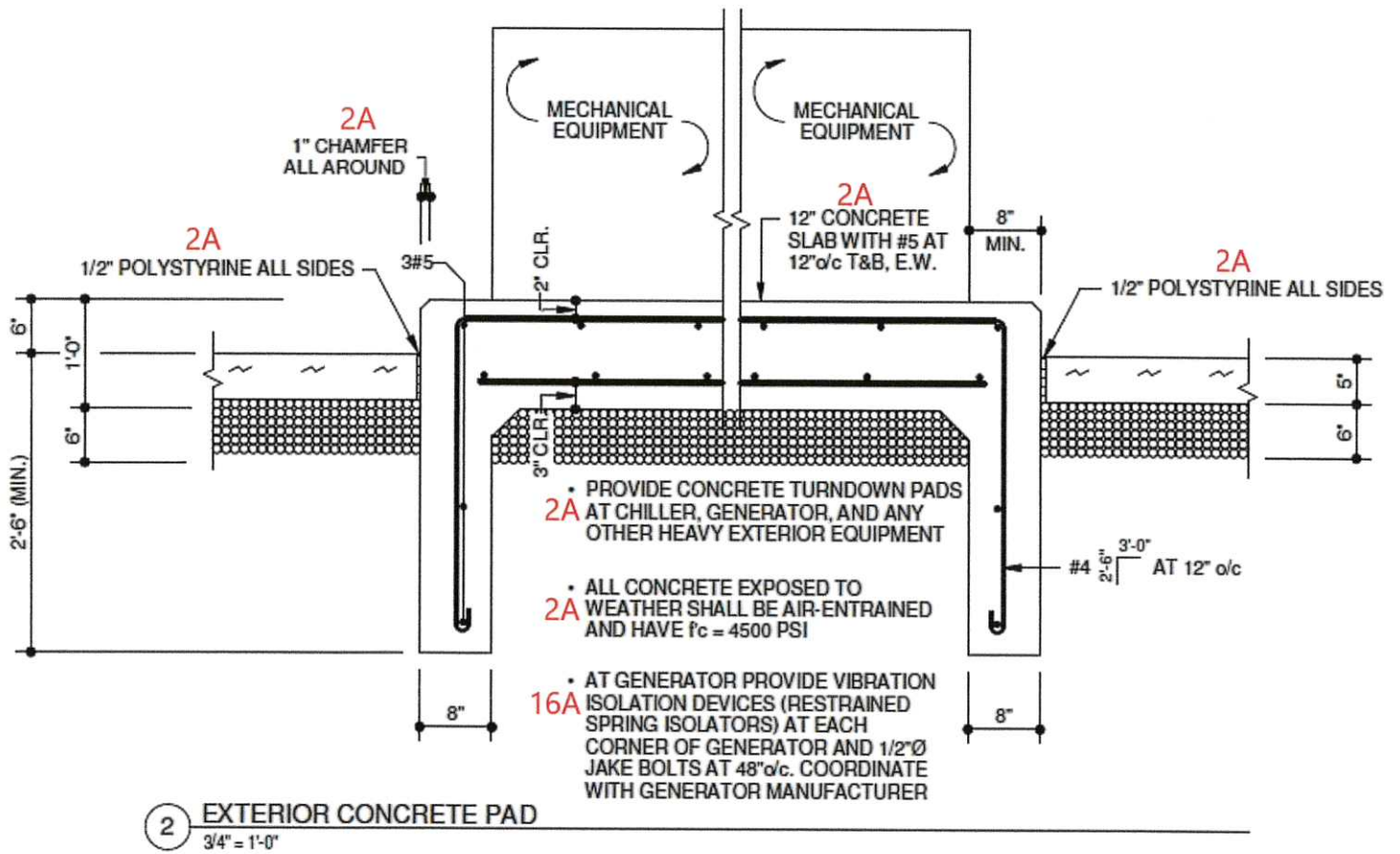


2	PARAPET DETAIL AT STAIR "A" HIGH ROOF
R-8	

Scope Clarification Detail #27

Addendum #3

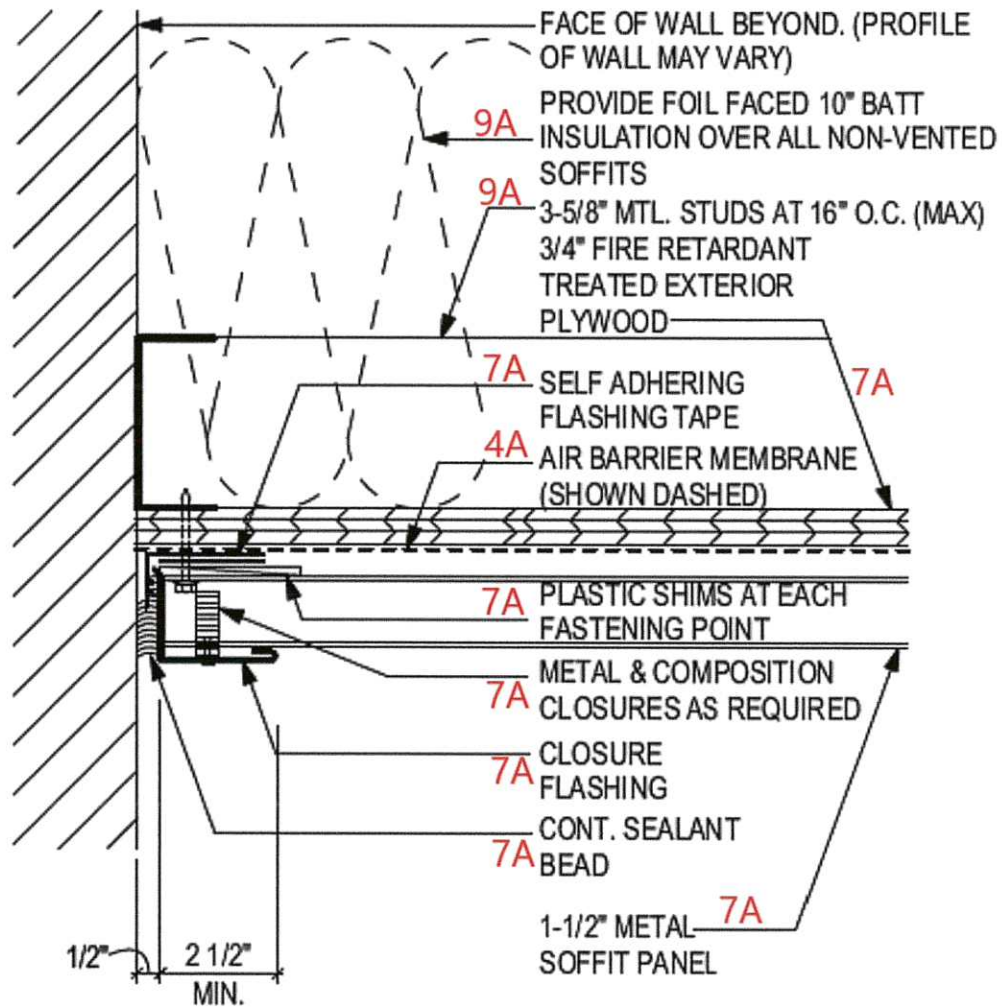
15A and 16A Contractors provide layout.



Drawing S-203

Scope Clarification Detail #28

Addendum #3



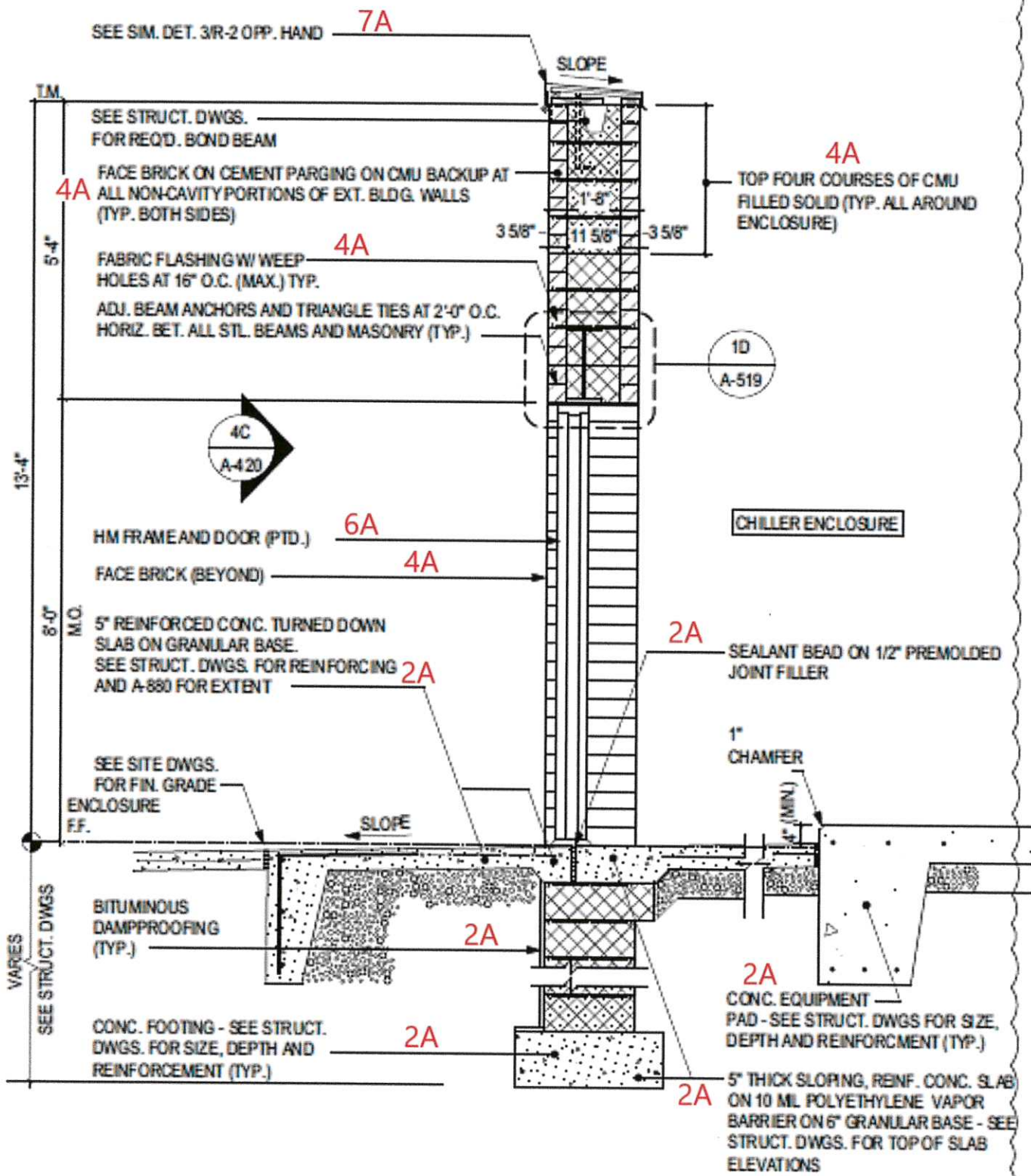
3
A-301

NON-VENTED METAL PANEL SOFFIT DETAIL

SCALE: 3" = 1'-0"

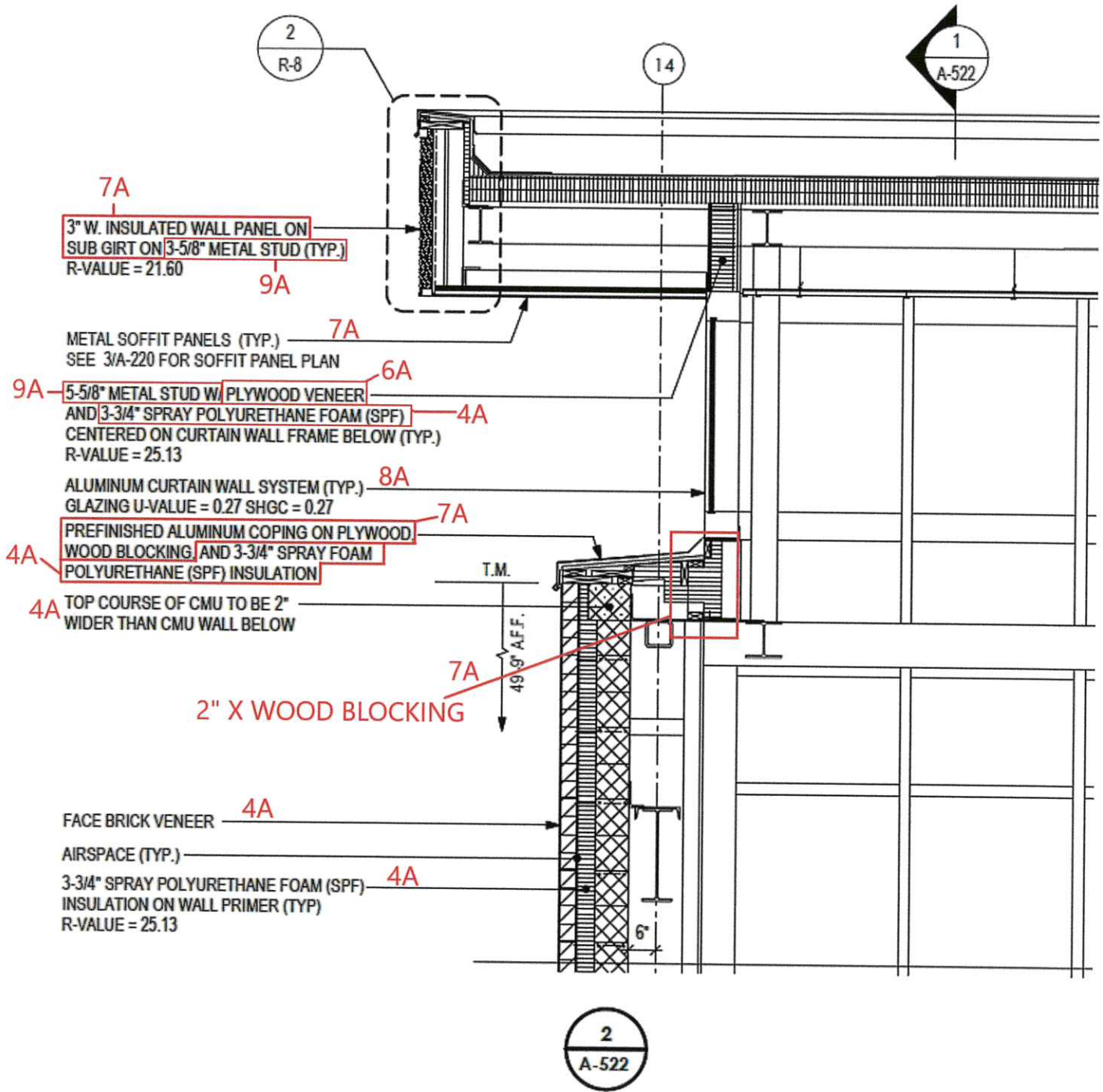
Scope Clarification Detail #29

Addendum #3



2 SECTION THRU CHILLER ENCLOSURE
A-530 SCALE: 1/2" = 1'-0"

Addendum #3



Scope Clarification Detail #31

High School #13
Pre-Bid RFI Log

HS #13 Pre-bid RFI log				
RFI#	Date Received	Planholder	Ack. Receipt Date	Addenda #
PB-001	1/13/2020	Centria	1/13/2020	1
PB-002	1/17/2020	Autumn Contracting Inc.	1/17/2020	1
PB-003	1/17/2020	Grounded Electrical	1/17/2020	1
PB-004	1/17/2020	Canyon Contracting Inc.	1/20/2020	1
PB-005	1/20/2020	Grounded Electrical	1/21/2020	1
PB-006	1/21/2020	P.F. Flanagan	1/21/2020	2
PB-007	1/22/2020	WF Klingensmith	1/22/2020	2
PB-008	1/22/2020	Grounded Electrical	1/23/2020	2
PB-009	1/23/2020	Kinsley Manufacturing	1/24/2020	2
PB-010	1/27/2020	Debra's Glass (DGI)	1/28/2020	2
PB-011	1/27/2020	Grounded Electrical	1/28/2020	2
PB-012	1/27/2020	Utilities Unlimited	1/28/2020	2
PB-013	1/28/2020	Debra's Glass (DGI)	1/28/2020	2
PB-014	1/28/2020	Interstate	1/29/2020	2
PB-015	1/28/2020	Urban Zink	1/29/2020	2
PB-016	1/28/2020	Kinsley	1/29/2020	2
PB-017	1/28/2020	Interstate	1/29/2020	2
PB-018	1/29/2020	Atlascopco	1/29/2020	2
PB-019	1/29/2020	Kinsley	1/29/2020	2
PB-020	1/29/2020	Urban Zink	1/30/2020	2 & 3
PB-021	1/30/2020	Centria	1/31/2020	2
PB-022	1/30/2020	Kinsley	1/31/2020	3
PB-023	1/31/2020	TJ Distributors	1/31/2020	3
PB-024	1/31/2020	Brawner	1/31/2020	3
PB-025	1/31/2020	Henley Construction	2/3/2020	3
PB-026	2/1/2020	Grounded Electrical	2/3/2020	3
PB-027	2/3/2020	Grounded Electrical	2/4/2020	3
PB-028	2/4/2020	Altimate Electrical	2/4/2020	3
PB-029	2/4/2020	Gray & Son	2/5/2020	3
PB-030	2/4/2020	Kinsley	2/5/2020	3
PB-031	2/4/2020	Chesapeake Glazing	2/5/2020	3
PB-032	2/5/2020	Henley Construction	2/5/2020	
PB-033	2/4/2020	Master Care	2/5/2020	2
PB-034	2/4/2020	WF Klingensmith	2/5/2020	2
PB-035	2/5/2020	Gray & Son	2/6/2020	3
PB-036	2/5/2020	Urban Zink	2/6/2020	3
PB-037	2/5/2020	Interstate	2/6/2020	2
PB-038	2/5/2020	Interstate	2/6/2020	2
PB-039	2/5/2020	Grounded Electrical	2/6/2020	3
PB-040	2/5/2020	Irwin Seating	2/6/2020	2
PB-041	2/6/2020	Gray & Son	2/6/2020	3
PB-042	2/6/2020	Urban Zink	2/7/2020	3
PB-043	2/6/2020	Grounded Electrical	2/7/2020	3
PB-044	2/7/2020	Chesapeake Glazing	2/7/2020	3
PB-045	2/7/2020	T.M.I.	2/7/2020	
PB-046	2/7/2020	Electrico	2/7/2020	3
PB-047	2/7/2020	W.G. Tomko	2/7/2020	
PB-048	2/7/2020	Action Electrical	2/7/2020	3
PB-049	2/7/2020	Grounded Electrical	2/7/2020	3
PB-050	2/7/2020	Urban Zink	2/10/2020	2

Addendum #3
Responses to the following
Pre-bid RFI's

PB-020, PB-022, PB-023, PB-024, PB-025, PB-026, PB-027, PB-028, PB-029,
PB-030, PB-031, PB-035, PB-036, PB-039, PB-041, PB-042, PB-043, PB-044,
PB-046, PB-048, PB-049, PB-053, PB-054, PB-055, PB-056, PB-060, PB-066,
PB-070, PB-078



Request For Information PB-020

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-020 **Date Created: 1/30/2020**

Answer Company	Answered By	Author Company	Authorized By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Urban Zink		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-020 and provide a response.

Suggestion

Answer **Date Answered: 2/7/2020**

1. Topsoil on-site is referenced in the Geotechnical Report. See specifications
2. This detail references the different sections required depending on the CBR of the soil. Borings done for the road will be included in future addenda.
3. Detail will be provided via Addendum
4. The extent of the outdoor equipment enclosure is included in Scope clarification Detail# 19 in Addendum #2
5. The Contractor shall refer to Contract Package 2A item 2.10 as revised by addendum #2
6. See specification section 11 6600 / Athletical Equipment, part 2.07 Scoreboards.
7. Contractor shall refer to Scope Clarification Detail #15 included in Addendum #2
8. Contractor shall refer to Scope Clarification Detail #14 included in Addendum #2

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: HS #13 RFI
Date: Wednesday, January 29, 2020 4:17:00 PM
Attachments: [image002.png](#)

Thanks,

Steve Krell, CPE



From: Ben Dyer
Sent: Wednesday, January 29, 2020 4:07 PM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Adam Zink <azink@urbanzink.com>; Amanda Nelson <anelson@urbanzink.com>; Sky Tharp <stharp@urbanzink.com>
Subject: HS #13 RFI

Good Afternoon Steve,

Please consider the following as a request for information regarding High School #13:

- TCA 1. What is the depth of the topsoil covering the site?
- TCA 2. Detail 28 on C-28 shows various options for spec the public road paving. Please advise which spec we are to follow.
- TCA 3. Brick Pavers Detail 1 & 3 on A-882, please provide specific details regarding the pavers and install of the pavers.
- Oak 4. A-880 Shows site walls around mechanical pad. Please advise who owns this portion of the scope.
- Oak 5. Staging Areas – If there is a conflict between the specs and the drawings, which are we to go by?
- TCA 6. Please provide the details & specs for the outdoor scoreboard and who the approved manufacturers are going to be.
- TCA 7. Detail 11 on C-35 indicates the Netting and Posts are in a separate contract. Please confirm. This is called out in the site contractors scope. Please advise it is included in the contract.
- Oak 8. Detail 6 on A-530, the site walls for the outdoor classroom area. Please advise if 2A contractor is responsible for the footer? Who is responsible for the backfill of the wall?

Please let us know if you have any questions or concerns.

Regards,

Benjamin J. Dyer



Request For Information PB-022

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-022 **Date Created: 1/31/2020**

Answer Company	Answered By	Author Company	Authorized By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Kinsley		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-022 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. SILL ANGLE SHOWN ON DETAILS 12, 13, AND 14 ON SHEET S303 REPRESENT THE 10 GAUGE ANGLE SHOWN ON ARCHITECTURAL SECTIONS.
2. ANGLE SHOWN AT BASE OF INSULATED WALL PANELS ON DETAILS 5 AND 6 ON SHEETS S-407 IS NOT REQUIRED.
3. DIAGONAL ANGLE AT CATWALK DECK FRAMING SHALL BE 3"x 3"x 1/4" AS SHOWN ON DETAILS 2 AND 3 ON SHEET S-405
4. L4 LINTEL IS COMPOSED OF A 8"x 4" TUBE AND 5/16" BOTTOM STEEL PLATE. PER DETAIL 13 ON SHEET S-302 THE BOTTOM 5/16" STEEL PLATE SHALL EXTEND FULL LENGTH OF TUBE AND HAVE 8" BEARING AT EACH END OF LINTEL. NO ADDITIONAL BEARING PLATE IS REQUIRED.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: High School #13 RFI
Date: Thursday, January 30, 2020 3:09:55 PM
Attachments: [image141771.png](#)

Thanks,

Steve Krell, CPE



From: Dave Spaulding
Sent: Thursday, January 30, 2020 3:07 PM
To: Steve Krell <skrell@oakcontracting.com>
Subject: High School #13 RFI

High School #13
Bid Package 5a Metals

Steve,

Please submit these RFI's to the design team for their review and response:

- TCA/Oak 1.** Details 12, 13 and 14/S-303 illustrate sills at the aluminum curtainwall system. An angle is shown at the top of each detail but it is not identified or sized on the structural drawings. Is this intended to represent the 10 gauge galvanized sheet metal shown on detail 2M/A-611? Am I correct in assuming that this falls under the 6a scope as a "galvanized sheet metal cavity closure"?
- TCA/Oak 2.** Details 5 and 6/S-407 there is an angle shown at the base of the insulated wall panel but it is not identified or sized on the structural drawings. Cross references of the architectural showing the base of the metal wall panels at 2D/A-519 fail to show a similar angle. Should it be assumed that this is similar to 10 gauge galvanized sheet metal shown on detail 2M/A-611? If so, am I then correct in assuming that this falls under the 6a scope as a "galvanized sheet metal cavity closure"?
- TCA 3.** On sheet S-125 at the catwalks the "diagonal angles" are listed as being 3x3x5/16". On details 2 and 3/S-405 the angles at that location are called out as 3x3x1/4" Please advise as to the correct thickness of these angles.
- TCA 4.** Lintel L4 (8x4x1/4" HSS with 5/16" bottom plate) does not show a bearing plate on 13/S-302, and on the plan views where there's a callout for an L4 there aren't any BP# marks. Should L4's rest on bearing plates or not?

Thank you for your assistance,

Dave Spaulding
Project Estimator



Request For Information PB-023

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-023 **Date Created: 1/31/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
TJ Distributors		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-023 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. FURNISH INTEGRAL ELECTRIC, KEY-OPERATED, HEIGHT ADJUSTER. SEE ADDENDUM #2 - 11 FEBRUARY 20
2. 2.01B. SPECIFIES 12 BACKBOARDS, NOT 16.
3. BASKETBALL GOAL TO BE MOVABLE, BREAKAWAY TYPE WITH MANUFACTURER'S STANDARD BREAKAWAY MECHANISM AND REBOUND CHARACTERISTICS IDENTICAL TO THOSE OF FIXED NON-MOVABLE RING, CONSISTING OF POSITIVE-LOCK BREAKAWAY DESIGN, INCLUDING PRESSURE RELEASE, SET TO RELEASE AT 230-LB (105-KG) LOAD AND AUTOMATIC RESET. SEE ADDENDUM #2 - 11 FEBRUARY 20
4. Contractor shall refer to scope clarification detail #16 in Addendum #2.
5. PROVIDE 8 VOLLEYBALL SLEEVES AS SPECIFIED. SPECIFICATIONS WILL BE REVISED TO REMOVE BADMINTON SLEEVES VIA ADDENDUM.
6. PARAGRAPH 2.06 CLIMBING BOARDS TO BE DELETED FROM SPECIFICATION SECTION. SEE ADDENDUM #2 - 11 FEBRUARY 20
7. Confirmed.
8. ALL CLOCKS TO RECEIVE WIREGUARD PROTECTION. SEE DWG. T-116 FOR ADDITIONAL ITEMS REQUIRING WIREGUARD PROTECTION. SEE ADDENDUM #2 - 11 FEBRUARY 20
9. SEE ADDENDUM FOR REVISED VERBIAGE FOR THIS PARAGRAPH.
10. THE AUXILIARY GYM SCOREBOARD IS AN ALTERNATE.
11. PROVIDE UPHOLSTERED BACK. SEE ADDENDUM #2 - 11 FEBRUARY 20
12. A SEAL AND STAMP FROM A MARYLAND PE TO BE REQUIRED. SEE ADDENDUM #2 - 11 FEBRUARY 20
13. No substitutions will be considered during the bid phase. Refer to the Specifications for the substitution request procedure.
14. PROVIDE INDUSTRY STANDARD 3" THICK FOAM. SEE ADDENDUM #2 - 11 FEBRUARY 20



Sales, Service & Installation of Spectator Seating, Athletic Equipment
Serving Maryland, Virginia, Delaware & Washington DC

To: Steve Krell
Oak Contracting

Date: 1/31/20
From: Jason Dinan

E-mail: skrell@oakcontracting.com

-- REQUEST FOR INFORMATION --

Re: Howard County High School #13
Bid Package 11B

We have the following questions regarding this project:

- TCA** 1. Section 116600, paragraph 2.01.A. specifies height adjusters but does not provide an operation. Are these to be manual by awning crank handle, electric with key-switch operation or electric be detachable device?
- TCA** 2. Section 116600, paragraph 2.01.B. specifies 16 backboards but only 12 are being provided. Can you confirm all 12 basketball hoops should receive glass backboards?
- TCA** 3. Section 116600, paragraph 2.01.C. specifies stationary basketball goals. With height adjusters being provided and this being a high school facility, it would be recommended that break-away goals be provided. Will break-away goals be required for the 12 basketball hoops?
- Oak** 4. Drawing A-580, detail 1 shows hardwood trim for the wall pads. Can it be confirmed that this is a part of the 6A carpentry and specialties bid package and not a part of the 11B package?
- TCA** 5. Section 116600, paragraph 2.04 specifies 10 volleyball sleeves and 8 badminton sleeves but drawing A-116 only indicates a total of 8 volleyball sleeves. Can you confirm how many of each type sleeve is to be provided?
- TCA** 6. Section 116600, paragraph 2.06 specifies climbing boards but none are shown on the drawings. Are climbing boards required on this project?
- Oak** 7. Section 116600, paragraph 2.07 specifies outdoor scoreboards and 11B scope item 2.1 states exterior equipment and scoreboards is by the 2A contractor. Can you confirm the outdoor scoreboards in Section 116600 are not a part of the 11B package and only the indoor scoreboards & shot clocks are part of the 11B package?
- TCA** 8. Section 116600, paragraph 2.08 specifies wireguard protection for the scoreboards and clocks. Can you confirm that the clocks being referred to are the shot clocks?
- TCA** 9. Section 116600, paragraph 2.09 specifies corner pads for the catwalk. Can a quantity of pads required at the cat walk be provided?
- TCA** 10. Section 012300 states alternate #8 is to include and interior scoreboard at the auxiliary gym F908 but the bid form's alternate #8 does not state this with the alternate description. Is the scoreboard in the auxiliary gym a part of alternate #8 or a part of the base bid?
- TCA** 11. Section 126623, paragraph 2.01.A.9. specifies a polymer back but paragraph 2.04.A.3. specifies an upholstered back. Can you confirm the back should be upholstered and not polymer?
- TCA** 12. Will a county permit and Maryland PE stamp be required for Section 126623, as it is required for Section 126613 (paragraphs 1.01 and 1.05, respectively)?
- TCA** 13. Section 127100 currently only includes one manufacturer for the auditorium seating. To allow for additional competition, will Hussey Seating Company's Quattro Traditional, Classic Series chair model #S3.L.3.T. be considered for approval as well (substitution request attached)?
- TCA** 14. Section 127100 does not specify a foam thickness for the seat. Should 3" thick foam be provided for the seats, which is standard in the industry?

We look forward to the responses.

Sincerely,

Jason Dinan

2220 Commerce Road, Unit 5 - Forest Hill, MD 21050-2560
Phone: 410-638-6358 Fax: 410-638-6359
jason@tjdistributors.com



Request For Information PB-024

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-024 **Date Created: 1/31/2020**

Answer Company	Answered By	Author Company	Authorized By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Brawner		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-024 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. See addendum #2
2. See addendum #2
3. See addendum #2
4. See addendum #2
5. See Scope Clarification Detail #16 in Addendum #2
6. See Scope Clarification Detail #18 in Addendum #2
7. See Scope Clarification Detail #18 in Addendum #2
8. A-115A has correct references for the poster case. A-115 call-outs will be changed to "P1" via addendum.
9. See previous response.
10. Locations will be clarified in future addendum.
11. As noted on A-116 there are two rolling counter doors in Ticket F 911. As noted on A-117 there are two rolling counter doors in Ticket G 700. As noted on A-151 there are two rolling counter doors in Ticket J S01.
12. Specification 08 3400/2.01 will be revised via addendum.
13. See 6A Contract Package Scope item 2.51
14. All wood blocking in detail is responsibility of the 6A Contractor
15. See Scope Clarification Detail #11 in Addendum#1
16. See Specification Section 01 7000 for final cleaning requirements
17. Requirements for 3rd party inspections shall remain

From: [Satoko Tanabe](#)
To: [Corey Wixson](#); [Matt Lurz](#)
Cc: [Woo Kang](#); [Patrick Berry](#); [Brigitte Keimig](#)
Subject: RE: HS-13 - Pre-bid RFI-24
Date: Monday, February 10, 2020 10:57:43 AM

Pre-bid RFI #PB-024

Matt,

Please see below;

- Oak** 1. 6A SOW item #2.6 states the contractor is responsible for install only all Owner furnished appliances". Please clarify how the appliances will be delivered (I.E. curbside?) and if the 6A contractor will be required to distribute appliances to the corresponding room. Also, please confirm the respective trades (15A/16A) will make final connections once appliances are set by the 6A contractor.
- Oak** 2. Refer to 6A SOW item 2.40. Please provide approximate duration for the (2) trash chutes that will be needed. Also, please confirm that the trash chutes will be set up one time at a location directed by the CM and they will not be relocated during construction.
- Oak** 3. The furniture and equipment drawing on 2/EQ-011 calls out for metal shelving that is noted on details 15 and 16 on the furniture and equipment legend. There are no specifications provided. Please provide specifications.
- Oak** 4. Please advise which package the metal shelving detailed on 2/EQ-011 will fall under.
- Oak** 5. Refer to detail 1/A-580. Please confirm the 11B contractor is responsible for the 1x3 furring strips and 3/8 hardwood corner trim molding.
- Oak** 6. Refer to detail 1/A-514. Who's responsible for the treated wood blocking shown on the sides of the slab on deck at Corridor A 305 and at similar conditions?
- TCA/Oak** 7. Refer to detail 2/A-514. There appears to be treated wood blocking shown at the slab edge, however it's not called out. Please confirm material and clarify who's responsible.
- TCA** 8. Refer to A-115 at CLs L.6 19-20. Poster case type P2 is reference, however, when you refer to A-115A the drawings call for poster case P1. Please confirm which is correct
- TCA** 9. Refer to A-115. There are (5) P2 poster cases called out in Corridor E70 on the North wall of the Auditorium, however, drawing A-115A shows (7) P2 poster cases. Please advise
- TCA** 10. Refer to 8A/A-726. Display case D4 & D5 are referenced on the schedule, however, none are found on the drawings. Please advise
- TCA** 11. Refer to A-116, room Ticket F 911. Please confirm (2) rolling counter doors are required in this room. This includes rooms G 700 & J S01
- TCA** 12. Specification section 08 3400 Part calls for (3) rolling counter doors. Drawing A-151 only shows (2). Please advise.
- Oak** 13. Which trade contractor is responsible for caulk between GDW and CMU shown at Detail 6/A-303
- Oak** 14. Which trade contractor is responsible for wood blocking shown at Details 2C/A-615 & 2D/A-615
- Oak** 15. Which trade contractor is responsible for sealant and joint filler shown on Detail 3/A-700
- Oak** 16. 6A SOW #3.14 states for 6A to perform final cleaning. However, there is no specification provided for final cleaning. Please provide.
- Oak** 17. 6A SOW #2.18 states to provide third party inspections for the elevator work. It is no longer a state requirement to have third party inspections prior to the state inspection. Please confirm that HCPSS/Oak still wants the third party inspections as listed in SOW.



Request For Information PB-025

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-025 **Date Created: 2/3/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Henley		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-025 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**
1. Total Lockers count will be revised to match drawings. See addendum #2, dated 11 February 20.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: HS #13- RFI (Section 105113 Metal Lockers)
Date: Friday, January 31, 2020 3:57:29 PM
Attachments: [image003.png](#)

Thanks,

Steve Krell, CPE



From: Suleika Wiles
Sent: Friday, January 31, 2020 3:47 PM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Dave Riffle <dave@henleyconstruction.com>
Subject: FW: HS #13- RFI (Section 105113 Metal Lockers)

Good Afternoon Mr. Krell,

Please see below RFI :

Ref: Section 105113 Metal Lockers and Benches

Quantities of the lockers drawn on the drawings do not match the quantities written down in the bottom right corner on the drawings. See locations below and confirm the quantities.

For corridor lockers:

2nd floor section A (sheet A-121) - 139 type A lockers - 7 less than actual quantity drawn (146 drawn)

2nd floor section B (sheet A-122) - 176 type A lockers - 11 less than actual quantity drawn (187 drawn)

3rd floor section A (sheet A-131) - 133 type A lockers - 14 less than actual quantity drawn (147 drawn)

3rd floor section B (sheet A-132) - 149 type A lockers - 2 less than actual quantity drawn (151 drawn)

Team Rooms F900, F902 & F904 all have 31 of type C lockers drawn per room, not 32 as written

Men LKRS F803 and Women's LKRS F801 all have 166 of type B Lockers drawn each, not 165 as written

Team Room F915 has 30 type C Lockers drawn, not 32 as written



Request For Information PB-026

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-026 **Date Created: 2/3/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Grounded Elec.		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-026 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. Saturdays are considered a work day and not a makeup day
2. See to Addendum#2
3. See Contract Package item 3.7 and Specification Section 01 1113 for CM schedule responsibility
4. "FYI" Fingerprinting is an acceptable vendor for fingerprinting and background check services. Contractor may use other vendors for these services provided that the Contractor submits written confirmation that the vendor complies with all regulations and requirements of the State of Maryland with regards to background checks.
5. See to Addendum #2
6. The 7A roofing Contractor is responsible for the pitch pockets and curbs for electrical work. The 16A Contractor is responsible for all roof penetrations for electrical work.
7. See addendum #2
8. See addendum #2
9. Each Contractor is responsible for their own water
10. See addendum #2
11. See addendum #2
12. See addendum #2
13. Confirmed
14. See addendum #2
15. Confirmed
16. See addendum #2
17. See addendum #2
18. See addendum #2
19. Construction roads are indicated on the drawings. See scope Clarification Detail #26 in Addendum #3 for location of temporary construction trailers, lay-down/storage areas, and personnel parking.
20. The Contractor shall comply with the requirements set forth in Contract Package item 3.10
21. The reputable utility company used for locating utilities is the responsibility of the Contractor
22. Durations of notices in item 4.1 will not be changed
23. Fire Alarm control panel is located in ER B265. Refer to sketch ADD_2_E14.
24. Switchboard notes 1-5 are general notes associated with Switchboard SWB.

25. Provide kirk-key interlock at generator circuit breaker serving emergency / life-safety loads.
26. Both the Generator Quick-Connect Switchboard and the Generator Docking Station shall be freestanding.
27. Transformer label was revised in addendum 1 sketch ADD_1_E3.
28. Transformer on E-602 labeled TTB should be labeled TTP.
29. The 16A contractor shall provide the custom enclosure shown on detail 3/E0-206
30. The 16A Contractor is responsible for Specification Section 11 6100 in its entirety. See 16A Contract Package item 2.32
31. 15A contractor shall provide electric heat tracing cable; 16A contractor shall provide single-point power connections and power provisions.
32. Confirmed
33. All Contractors are required to restore areas disturbed by their work.
34. See Contract Package item 2.15
35. Delete extra No. 10 bare copper ground conductor for exterior lighting circuits.
36. Confirmed
37. Conduits 3 inches and larger shall be IMC.
38. HCPSS will pay service fees directly to BGE.
39. Specification to be revised to 3000 ampere rating.
40. Provide NEMA type 4X stainless steel enclosures as specified.
41. Provide NEMA type 4X stainless steel enclosures as specified.
42. Provide NEMA type 4X stainless steel enclosures as specified.
43. Warranty period to be revised to 5 years
44. A typical classroom setup with cabling types connected and AV electronics active. Should be installed in a mockup room prior to installing in other rooms to prevent repeating any issues in each space. System should be active and demonstrable.
45. 2-hour rated fire alarm cable requirements will be deleted.
46. Provide 14-30R dryer receptacle.



REQUEST FOR INFORMATION

Project: High School #13 Attention: Oak Construction RFI #: ~~8~~
 Subject: General/Electrical Date: 2/1/2020 Reply By: ASAP

REQUEST

- Oak** 1. At the pre-bid meeting, a comment was made regarding a 6 day work week. This is also noted in contract package 16A item 1.13. Are we expected to work 6 days a week for the duration of the project, or is the 6th day (Saturday) to be used as a make-up day?
- Oak** 2. Please specify what contract package it to furnish and install the following specification section 230913 – Instrumentation and Control Devices for HVAC.
- Oak** 3. Is Oak Construction (CM) responsible for generating and maintaining the CPM schedule?
- Oak** 4. Spec section 000740 indicates who we are to obtain finger printing services from but does not list who we are to use for background checks. Please indicate who we are to use for this service.
- Oak** 5. Spec 011000-1.04-2 states the owner will reimburse the contractor for actual permit cost (no mark-up). With the exact permit cost being unknown at bid time, are we to exclude this cost from the base bid and submit the actual permit cost as a change order?
- Oak** 6. Please verify the 7A roofing contractor is responsible for all roof penetrations, pitch pockets and curbs required for electrical work.
- Oak** 7. 15A Mechanical item 2.14 says the contractor shall furnish and install all other motor starters and disconnects that are specified in the mechanical specifications. Does this include he motor starters and disconnects indicated in the mechanical and plumbing schedules on the drawings?
- Oak** 8. If the mechanical and plumbing schedules indicate integral starting and/or disconnecting means, and a starter and/or disconnect is also shown on the electrical drawings, is the 16A contractor to assume the starter and/or disconnect is integral to that piece of equipment, or is the 16A contractor to furnish and install the starters and disconnects as shown on the electrical drawings?
- Oak** 9. Contract package 16A item 1.16 says we are to make provisions to provide water as necessary to complete our contract work and pay all associated cost including metering and consumption. Will the 15A contractor have a temporary water provisions installed that we can tap off of if required?
- Oak** 10. Contract package 16A item 1.25 indicates extended hours (OT) and multiple shifts may be required to complete the work during the periods of time stipulated in the contract documents in accordance with the sequencing and durations set forth in the construction schedule. Item 3.7 says the construction schedule will be issued after the contract award. There is no way for us to determine item 1.25's extended hours (OT) or multiple shifts without a schedule. Will the construction schedule be issued and clearly identify these activities? If not, can an allowance of time (hours) be give for shift work and extended hours (OT)?
- Oak** 11. Contract package 16A item 1.27 says the owner will pay area, connection and power company charges. Can you verify that the owner will pay for all electrical utility fees/charges, including consumption charges for temporary and permanent power?
-

GROUND  **ELECTRICAL**
CONSTRUCTION

- Oak** 12. Contract package 16A item 2.1 references lightning protection; however there is no lightning protection specification. If lightning protection required on this project?
- Oak** 13. Contract package 16A item 2.1 references furnishing and installing high voltage signs. Can you verify this is non-energized caution signage that is installed near/on electrical rooms and gear to warn non-competent persons of electrical shock danger?
- Oak** 14. Contract package 16A item 2.2 says we are responsible for a full photovoltaic system. Please verify that this is part of alternate #12, not the base bid.
- Oak** 15. Contract package 16A item 2.7 states we are to furnish and install the complete power connections and final connections for all equipment installed under this package and other packaged. Please verify that this means all 120-600V connections, including the full circuit originating from the source (eg. electrical panel) to the equipment (eg. mechanical equipment).
- Oak** 16. Contract package 16A item 2.18 states we are responsible to furnish and install all fire-retardant backboards not shown but necessary to mount equipment. Please verify this is only for equipment that falls under the contract package 16A scope of work.
- Oak** 17. Contract package 16A item 2.28: How many shifts will the generator be running for? A shift is considered 8 hours.
- Oak** 18. Contract package 16A item 2.34 is vague. Could a description and quantity of temporary connections be provided, or an allowance for this item?
- Oak** 19. Will a logistics plan be issued pre-bid that indicates construction roads, location of temporary construction trailers, lay-down/storage areas, personnel parking, etc.?
- Oak** 20. Contract package 16A item 3.10: Does the contractor have to employ or employee as a qualified consultant a LEED AP (accredited professional) to meet the requirements of a qualified representative of their firm in this clause?
- Oak** 21. Contract package 16A item 3.23 states we are to employ a reputable utility locating company. With this being public property, can Miss Utility be utilized?
- Oak** 22. Contract package 16A item 4.1 states 48 hour notice for a few items. Can this be increased to 72 hours? As an example, if notice is given on a Saturday and a holiday is on Monday, 48 hours would not be enough time to address the issue.
- TCA** 23. The fire alarm control panel shown on the riser (EF-201) indicates that the FACP is located in MDF room A75. We could not locate that room. If the FACP located in room B265 labeled "Fire Alarm Equipment" on EF-122. If this is not the fire alarm control panel, where is the control panel located, and what is the "fire alarm equipment" shown in room B265 on EF-122?
- TCA** 24. The switchboard notes numbered 1-5 as indicated on Switchboard SWB schedule on drawing E-603 are not shown in the note section of the schedule. Please advise.
- TCA** 25. Please verify that the 100A 3P breaker for the generator shown on Note 3 on drawing E-601 should have a kirk-key interlock?
- TCA** 26. On the riser diagram on drawing E-601 the quick connect generator switchboard is shown as freestanding and the generator docking station mounted to the wall, however on drawing EP-202 the quick connect generator switchboard is shown mounted to the wall and the docking station as freestanding. Please clarify.
- TCA** 27. The transformer shown in room B345 on detail 9 of drawing EP-203 is labeled as "XFMR TR3B1", should this be XFMR TDPR3B, as shown on the transformer schedule on drawing E-602 per its designated room location?
- TCA** 28. The transformer shown on detail 11 of drawing E0-206 is labeled as "XFMR TTB", should this be XFMR TTP as per the transformer schedule on drawing E-602?
-

GROUND  **ELECTRICAL**
CONSTRUCTION

- Oak** 29. Who is responsible for building the custom enclosure shown on detail 3 of drawing E0-206?
- Oak** 30. Is contract package 16A responsible for the rigging/structural aspects of specification section 116100?
- Oak** 31. Please confirm the 15A contractor is responsible to furnish and install 220533 and 230533 heat tracing, and the 16A contractor is responsible for single point electrical (120V+) connections to the controller only.
- Oak** 32. Please confirm that 15A contractor is responsible to furnish and install (including all raceways) the following specification sections:
- a. 230901 automatic temperate control system
 - b. 230902 control systems wiring
 - c. 230913 instrumentation and control devices for HVAC
 - d. 230914 carbon dioxide measurement and control system
 - e. 230923 digital building system control complete,
- Oak** 33. Please confirm that the 2A contractor will be responsible for restoring and reseeding grassed areas.
- Oak** 34. Please confirm that the 16A contractor is to furnish access doors (260503) when required, and the 9A contractor will install the access doors.
- TCA** 35. Spec 260519-3.4-A-2 indicates an extra #10 AWG (min.) bare copper ground conductor is required. Typically an equipment grounding conductor (EGC) is installed with the circuit. Is this extra bare copper ground conductor required in addition to the EGC?
- a. If yes, how is this wire to be terminated at the light fixtures and power source?
- Oak** 36. Please confirm that spec 260528 equipment foundations is to be furnished and installed by the 2A contractor when outdoors, and the 3A contractor when indoors. The 16A contract is to provide layout and sleeves.
- TCA** 37. Please confirm that conduits when 3" and larger are to be IMC per spec 260533-3.10-A-1.
- TCA** 38. Please confirm the owner will pay BGE service fees directly to BGE (reference 260541-1.3).
- TCA** 39. Spec 262413-2.3-C list the quick-connect generator switchboard as 1200A; however drawing E-601 note 10 indicates this is 3000A. The switchboard also shows a 3000A breaker being fed by the quick-connect generator switchboard.
- TCA** 40. Spec 262716-2.2-A is N3R acceptable for weatherproof enclosures?
- TCA** 41. Spec 262800-2.1-I is N3R acceptable for outdoor enclosures?
- TCA** 42. Spec 262914-2.2-A-1 & 3 is N3R acceptable for outdoor and wet/damp locations?
- TCA** 43. Spec 263213-1.12-A states "provide 12 months, equal to warranty period" for the maintenance service; however the warranty period is 5 years (60 months) per 263213-1.9. Should the maintenance service run for 12 months or 60 months from the time of substantial completion?
- TCA** 44. Spec 274100-1.06 states a complete mockup and demonstration shall be provided prior to installing the A/V equipment. Please be more specific and provide details on what is to be mocked-up.
- TCA** 45. Please verify 2-hour rated fire alarm cable is required (spec 283100-2.14-D).
- TCA** 46. Dryer receptacle in Storage Room B140A on Drawings EP-112 is labeled as NEMA 6-30R, however spec 262726-2.1-B-7, specifies the dryer receptacle to be 14-30R. Which is correct?

RESPONSE



Request For Information PB-027

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-027 **Date Created: 2/4/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Grounded Elec.		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question	Date Required:
Please review attached Pre-Bid RFI #PB-027 and provide a response.	

Suggestion

Answer	Date Answered: 2/13/2020
<ol style="list-style-type: none"> 1. Note 1 on E0-204 is for primary service. The (3) 4" conduits on detail 10/E0-206 are the secondary conduits to the BGE transformer. 2. Add meter #41 in Electric Room CV03B. 3. Confirmed. BGE will be providing the "road Lighting". 4. Plan dimensions will be provided via addenda. The ceiling height for the room is 10'-2" Per specifications the "bottom of the curtain shall be 2" above the finished floor." 5. See 15A Contract Package item 2.8 	

GROUND  **ELECTRICAL**
CONSTRUCTION

REQUEST FOR INFORMATION

Project: High School #13 Attention: Oak Construction RFI #: ~~18~~
Subject: General/Electrical Date: 2/3/2020 Reply By: ASAP

REQUEST

- TCA** 1. Specific note 1 on E0-204 states (2) 4" conduits for the primary; however detail 10/E0-206 states (4) 4" conduits. Which is correct?
- TCA** 2. Riser diagram on drawing E-601 shows meters numbered 27-41 being in Electric Room CV03B, however the Electric room detail on drawing EP-202 does not show meter #41 in the Electric Room CV403A. Please Clarify.
- TCA** 3. Confirm BGE is responsible for all "road lighting" as shown on the civil drawings.
- TCA** 4. Please indicate the size and fabric finish options for the TV studio CYC curtain (spec 116143-2.02).
 - a. Also, please provide elevations for the TV studio that show the cyc curtain.
- Oak** 5. Please confirm the 15A contractor is responsible to furnish access panels to access the condensate pump for fan coil units.

RESPONSE

Copy To: _____

Signed: Zach Rothfus, CPE, LEED AP BC+D
Date: 2/3/2020



Request For Information PB-028

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-028 **Date Created: 2/4/2020**

Answer Company	Answered By	Author Company	Authorized By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number
---------------	-------------------

Subject	Discipline	Category
Altimate		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-028 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. MC homeruns smaller than #8 are acceptable per 26 0519 3.6 B.
2. 2-hour rated fire alarm cable requirements will be deleted.
3. Maximum length of 12 feet will be deleted.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: High school #13 RFI
Date: Tuesday, February 4, 2020 12:12:53 PM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Thanks,

Steve Krell, CPE



From: Michele Wixsom
Sent: Tuesday, February 4, 2020 12:08 PM
To: Steve Krell <skrell@oakcontracting.com>
Subject: FW: High school #13 RFI

Thank you,

*Michele Wixsom
Preconstruction Administrative Assistant
Receptionist*

*Oak Contracting, LLC
1000 Cromwell Bridge Road
Towson, Maryland 21286
(410)828-1000
mwixsom@oakcontracting.com*

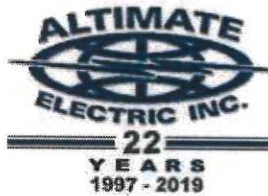
From: Dan Pritchett [<mailto:dpritchett@ultimateelectric.com>]
Sent: Tuesday, February 4, 2020 12:06 PM
To: Michele Wixsom <mwixsom@oakcontracting.com>
Cc: Dexter Greene <dgreene@ultimateelectric.com>; Dexter Greene <dgreene@ultimateelectric.com>
Subject: High school #13 RFI

Hey Michele,

I had a few spec. questions on HCPS Highschool #13 I was hoping to clarify.

- 1 Spec. 26 0519_3.6 C 4 states MC type cable can be used as home runs. MC home runs smaller than #8 are acceptable ?
- 2 Spec. 28 3100 2.14 D states all circuits necessary for the operation of the notification appliance to be two hour fire rated. Are all NAC, SLC wiring and branch wire feeding the fire alarm panels to be 2 hour fire rated cable in conduit ?
- 3 Spec. 26 0519 3.7 E luminary cable Maximum length 12 feet. Can lights in one area be daisy chained together with luminary cable ?

Dan Pritchett, *Estimator*



O: 301-607-8003 x220
M: 301-748-6511
www.altimateelectric.com
in f t i





Request For Information PB-029

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-029 **Date Created: 2/5/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent **Author RFI Number**

Subject	Discipline	Category
Gray & Son		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-029 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. Pathway is asphalt. Label will be revised under the addendum.
2. Sewer profiles will be provided with the addendum.
3. Water main is in contract. Water profiles will be provided with the addendum.
4. See C-41, C-43, & C-49 for details/profiles.
5. Road construction is part of the scope of work. Profiles for Ridgelys Run Road and widening for Mission Road will part of the addendum. The note just states that the Road Construction Plans are on file with Howard County under F-19-086.
6. Per the plans, the sod for the Baseball, Hockey, and Softball fields are to be Bermuda Grass.
7. 2A Contractor shall perform all sediment and erosion control work required by the contract documents.
8. C-3 is correct. Detail 2 elevations on C-35 need to be revised. The revised elevations will be shown on revised plans with an Addendum.
9. The 3" Bituminous Surface Course has been clarified in Addendum #2, dated 11 February 20. There should be 2 layers (1" topping course over 2" leveling course).

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: #13 High School
Date: Tuesday, February 4, 2020 4:31:32 PM

Thanks,

Steve Krell, CPE



From: John Kelble
Sent: Tuesday, February 4, 2020 4:09 PM
To: Steve Krell <skrell@oakcontracting.com>
Subject: #13 High School

Questions:

- TCA 1.** The Site Development Plans label the 10' pathway Ridgelys Run Road and the parking lots as concrete sidewalk but the per the legend the shading of this area would be macadam paving. Please clarify which it is to be.
- TCA 2.** Please provide profiles for the private sanitary line.
- TCA 3.** Is the public water main included in the scope of work or this project. If not by whom and will this be installed. If so please provide profiles.
- TCA 4.** Scope of work item 2.72 states that we are to furnish and install the complete High Performance Modular Biofiltration System. Please tell us what plan sheets detail this work.
- TCA 5.** There is a note on plan sheet C-11 that states "For Road Construction Plans See F-19-086". To what does this refer? Is this work part of the scope of work for this contract?
- TCA 6.** Which type of sod is to be included for Alternate #9, Bermuda or Fescue?
- TCA 7.** Are we responsible for the installation of only sediment controls shown on plan sheets C-13 through C-17 that have not already been installed by others or should we assume that any/all currently installed measures need to be replaced?
- TCA 8.** Section 2/C-35 shows a top of curb elevation around the perimeter of the oval track at 289.73. Plan sheet C-3 shows an elevation of approximately 294. Please confirm which is correct. If 294 is correct do any of the other elevations shown in 2/C-35 need to be adjusted?
- TCA 9.** Section 5/C-28 is labeled with a stone base course and an asphalt surface course but there appears to be an asphalt base course that is not labeled. Please clarify.

John Kelble, Estimator
Gray & Son Inc. | Excavating, Paving & Utility Contractor



Request For Information PB-030

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-030 **Date Created: 2/5/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Kinsley		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-030 and provide a response.

Suggestion

Answer **Date Answered: 2/17/2020**

1. The 5A contractor is responsible for fence/guardrail shown on wall sections 1 2, 3, and 4, on C-78. See detail 8 on C-29
2. See clarification Detail #22 in Addendum #2
3. The steel angle fasteners described in section 01 1113 8A 2.12 are to be provided by the 8A Contractor
4. All items that are shown as (by structural) are included in the 5A Contract Package
5. Lighting Ladder, typical of 2 that is 12'-0" tall. 16A is responsible to provide
6. See room Roof B369 on drawing drawing A-132 and detail 4/A-220 ROOF ACCESS LADDER DETAIL.
7. Each Contractor shall provide sleeves to allow for the passage of his work through adjacent construction.
8. a. Cover plates are not required where the edge of the stringer abuts a wall.
 - b. Cover plate is not noted for the center stringer, so it is not required.
 - c. Stitch welding and a visible hairline seam will be acceptable
 - d. The welded cover plate is required at all stairs except Stair F and Stair H.
9. a. i. Refer to Note. 2 on 5/A-520 PIPE RAIL DETAILS AND NOTES which states that all guardrails are painted steel.
 - ii. Refer to Note. 2 on 5/A-520 PIPE RAIL DETAILS AND NOTES which states that all handrails are stainless steel, "unless otherwise noted" on the drawings
 - b. Refer to 5/A-520 PIPE RAIL DETAILS AND NOTES for details for all handrails.
10. There are no rails in the mini auditorium that the 5A Contractor is responsible for. The rails are part of the telescoping seating.
11. Where horizontal distance between return walls or intersecting walls is less than or equal to the following wall braces are not required, but walls must still be built tight to underside of beam/deck. Columns should not be considered a wall brace.

Wall thickness	Horizontal distance between returns
4"	8'-0"
6"	10'-0"
8"	12'-0"
10" or thicker	16'-0"

Corey Wixsom

From: Steve Krell
Sent: Tuesday, February 4, 2020 4:32 PM
To: Matt Lurz; Corey Wixsom; Ed Lurz
Subject: FW: High School #13 RFI's

Thanks,

Steve Krell, CPE



From: Dave Spaulding
Sent: Tuesday, February 4, 2020 4:11 PM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Brian Strausbaugh <bstrausbaugh@hanoveriron.com>
Subject: High School #13 RFI's

High School #13
Bid Package 5a Metals

Steve,

Please submit these RFI's to the design team for their review and response:

- Oak 1.** Prefinished ornamental steel fence is assigned to 02A per their section 2.44 in spec 01 1113.
 - a. Please confirm that would include the guardrail/fence shown on wall sections 1 & 2, 3 and 4 on C-78.
 - i. If not, please indicate which contract package it belongs in and which details are to be used.
- Oak 2.** Regarding the elevators:
 - a. 06A is responsible to furnish and install complete elevator system per their section 2.18 in spec 01 1113. Does that include:
 - i. Sill angles?
 - ii. Pit ladders?
 - iii. Hoist beams?
 - b. If 6A isn't responsible for the items above and 5A is:
 - i. Please indicate which items are furnished and installed by 5A and which are furnished only.
 - ii. If sill angles are F&I by 5A, how does spec 01 1113-06A-2.25 apply to 5A access floor levels from inside the elevator shaft in order to install the sill angles? I.E. will 5A be able to work off temporary elevator car or will the sill angles need to be installed before the elevator is installed?
- Oak 3.** Spec 01 1113-5A-2.9 assigns all steel angle fasteners that are required to 5A. Spec 01 1113-8A-2.12 seems to indicate some angles are not by 5A. Can this be clarified?
- Oak 4.** Per 01 1113-16A-2.32 16A is responsible for "all structural and miscellaneous steel not required by Contract Package 5A..." Can you provide a list of items shown on the Theater drawings that 5A is supposed to provide that isn't already tagged as (by structural)?
- TCA 5.** Is the lighting bracket shown on 7/A-704 a different item than 1/TH304?
 - TCA/Oak a.** If answer above is yes, where does it occur and which trade is responsible?
- TCA 6.** A ships ladder is listed in spec 05 5000 Metal Fabrications but doesn't seem to be part of this project. Are there any ships ladders on this project and if so please indicate where.
- Oak 7.** Regarding 5A's responsibility for sleeves:
 - a. per spec 01 1113 it appears that 5A would be responsible to furnish sleeves required for 15A except as specified in their section 2.4 . How do we determine what is required?
 - b. Is 5A responsible to furnish sleeves for any other trades and if so, which ones?

- i. If answer above is yes, how do we determine what is required.
- TCA 8.** Regarding Stair A-D & E, 2/A-521 and B/A-523 note “*painted steel channel w/welded cover plate stringer (typ. At all stair runs)*”
- a. Please confirm the cover plate isn’t required for the stringers which are against the walls.
 - b. Is the cover plate required on the w6x20 center stringer?
 - i. If the cover plate is required on the w6x20 center stringer, is it only the width of the w6x20 or does it follow the underside of the treads.
 - c. We understand that this plate needs welded to the stringer but details on B/A-523 show a gap. Are you expecting the cover plate continuously welded to the stringer and ground smooth so that no seam is visible or will stitch welding and visible hairline seam be acceptable?
 - d. Please confirm this occurs at all stairs except Stair F and stairs at Mechanical FH22A (3/A-518).
- TCA 9.** Regarding the rails in Auditorium E703:
- a. 3&4/A-517 call out steel guardrail; 3&4/A-703 indicates steel guardrails; 1B & 1D/A-703 call out stainless steel guardrail/handrail; 3/A-704 indicates steel handrail but refers to 5/A-520 where all details are for stainless steel handrail.
 - i. Are the guardrails steel or stainless steel?
 - ii. Are all of the handrails stainless steel including the ones at the stage steps and “upper level” seating?
 - b. Please furnish details for the hand rails at the “upper level” seating.
- TCA 10.** Are there any rails for the Mini Auditorium that 5A is responsible for? If so, please provide details.
- TCA 11.** In regard to bracing the interior cmu partition walls,; 1/S-304 and 1/S-403 give note that “all cmu walls greater than 6’-0” in height shall be secured to underside of beam/deck above”. Does the length of the wall or the unbraced horizontal length (the distance between intersecting walls or building columns that the wall may be tied into, etc.) have any bearing on whether or not each particular wall needs braced?
- a. If answer to question above is yes, could you give us some design criteria to follow? I.E.: If unbraced horizontal length of the wall exceeds the following limits, bracing is required. For 4” cmu wall: the unbraced horizontal length shall not exceed ?’-?’”; for 6” cmu wall: the unbraced horizontal length shall not exceed ?’-?’”; for 8”cmu wall: the unbraced horizontal length shall not exceed ?’-?’”; for 12”cmu wall: the unbraced horizontal length shall not exceed ?’-?’”.

Thank you for your assistance,

Dave Spaulding
 Project Estimator
 p: +1 717-757-8841
dspaulding@kinsleyconstruction.com



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Request For Information PB-031

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-031

Date Created: 2/5/2020

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Chesapeake Glazing		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-031 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. The windows in question have two scenarios for this bid: 1. Provide in fire-rated hollow metal; and 2. Provide in fire-rated storefront.

For scenario 1, the hollow metal frame elevations will be revised in future addendum to ensure that the glazing does not exceed the 25% maximum of wall from the corridor elevation.

For scenario 2, It is the contractor's responsibility to provide a code compliant assembly. Therefore, the fire-resistance-rated glazing assemblies must be tested in accordance with ASTM E 119 or UL 263 so that they are not subject to the limitations of section 716 in the IBC 2018.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: High School #13 RFI
Date: Tuesday, February 4, 2020 1:28:07 PM
Attachments: [image001.png](#)
[image003.png](#)
[image006.png](#)
[image007.png](#)
Importance: High

Thanks,

Steve Krell, CPE



From: Melissa O'Brien
Sent: Tuesday, February 4, 2020 1:27 PM
To: Steve Krell <skrell@oakcontracting.com>
Subject: FW: High School #13 RFI
Importance: High

Steve,

I know the RFI deadline has past but this affects the glass and glazing scope a great deal price wise. Please advise.

Fire rated openings A, B, D & E on A-613 exceed numerous code prescribed size limitations for 45-minute ratings, including in a hollow metal configurations. As drawn, these assemblies would therefore be required to have a 60-minute, ASTM E-119 (heat blocking) rating per 716.2. Please confirm these openings to require ASTM E-119. This would exclude the use of hollow metal frames as currently drawn.

Thanks,
Melissa

Melissa O'Brien
Estimator

Introducing the new CGI Website: ChesapeakeGlazing.com

D 410.526.4461 M 301.758.1717
P 410.526.0994 F 410.833.7949

25 Main Street, Suite 100
Reisterstown, MD 21136
ChesapeakeGlazing.com



Request For Information PB-035

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-035 Date Created: 2/6/2020

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent Author RFI Number

Subject Discipline Category

Gray & Son

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question Date Required:

Please review attached Pre-bid RFI #PB-035 and provide a response.

Suggestion

Answer Date Answered: 2/13/2020

1. See Addendum #2 Clarification Detail #19
2. The 2A Contractor is responsible for the pressbox in its entirety as shown on drawing A-553.
3. Shaded areas in A-881 are indicating areas of colored concrete. See revised sheet A-881 in Addendum #3 for additional information.
4. Limits of the rubberized surface will be made more clear in an addendum. The area under the bleachers is to be asphalt.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: #13 High School Pre Bid RFI's No 2
Date: Wednesday, February 5, 2020 1:40:45 PM

Thanks,

Steve Krell, CPE



From: John Kelble
Sent: Wednesday, February 5, 2020 1:01 PM
To: Steve Krell <skrell@oakcontracting.com>
Subject: #13 High School Pre Bid RFI's No 2

- Oak** 1) Scope Item 1.38 states: "For the purpose of defining scope responsibility the outdoor equipment enclosure shall be considered part of the site and not part of the building. The stadium building and storage building shall be considered part of the building and not part of the site." Please confirm that 2A is only responsible for the excavation, backfill, concrete pad and foundation for the outdoor equipment enclosure. Can the same be said for the Chiller Enclosure?
- Oak** 2) Please confirm that 2A is responsible for furnishing and installing the Press Box complete including electrical, mechanical, windows and doors. Please define the limits of work for 15A and 16A for connections, conduits and wiring.
- TCA** 3) Please confirm that only the areas of sidewalk that area shaded, not crosshatched or plain, on sheet A-881 are colored concrete.
- TCA** 4) Please confirm what the finish surface under the stadium bleachers is. If it is not rubber coated like the running track, please delineate the limits of rubber coating for the track. as both areas are shaded the same on sheet C-3.

John Kelble, Estimator

Gray & Son Inc. | Excavating, Paving & Utility Contractor

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Request For Information PB-036

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-036 **Date Created: 2/6/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent **Author RFI Number**

Subject **Discipline** **Category**

Urban Zink

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question **Date Required:**

Please review attached Pre-bid RFI #PB-036 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. C-40 is correct. C-50 will be modified as part of an addendum

Pre-bid RFI #PB-036

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: HS #13 RFI
Date: Wednesday, February 5, 2020 2:08:57 PM
Attachments: [image002.png](#)
[Page C-40 and C-50.pdf](#)
Importance: High

Thanks,

Steve Krell, CPE



From: Ben Dyer
Sent: Wednesday, February 5, 2020 2:01 PM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Adam Zink <azink@urbanzink.com>; Amanda Nelson <anelson@urbanzink.com>; Sky Tharp <stharp@urbanzink.com>
Subject: HS #13 RFI
Importance: High

Good Afternoon Steve,

Please consider the following as a request for information regarding High School #13:

- TCA 1. Upon reviewing the plans we found the follow discrepancy dealing with the SRPE Cistern:
On page C-40 and C-50 the invert elevations do not match, please see attached.
Please clarify ASAP.

Thanks and let us know if you have any questions.

Regards,

Benjamin J. Dyer

Estimator

Urban N. Zink Contractor, Inc.

6924 Ebenezer Road | PO Box S

Chase, MD 21027



W: www.UrbanZink.com

E: bdyer@urbanzink.com



Request For Information PB-039

High School #13 Mission Road	Project # 1705 Tel: Fax:
--	---

RFI #: PB-039 **Date Created: 2/6/2020**

Answer Company	Answered By	Author Company	Authorized By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number
---------------	-------------------

Subject	Discipline	Category
Grounded Electrical		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question Please review attached Pre-bid RFI #PB-039 and provide a response.	Date Required:
---	-----------------------

Suggestion

Answer	Date Answered: 2/13/2020
---------------	---------------------------------

1. Provide 35K AIC rating for the (2) 800A enclosed circuit breakers.
2. Note 4 in Corridor E)707 to be deleted.
3. The low voltage transformer is included in Specification Section 12 7100 and will be furnished and installed by the 11B Contractor
4. Per lighting scheme L4, provide remote switch in nearest electrical or Cust Closet.
5. Controller for Women F712 will be changed to a power pack.
6. YES
7. YES

GROUND  **ELECTRICAL**
CONSTRUCTION

REQUEST FOR INFORMATION

Project: High School #13 Attention: Oak Construction RFI #: 7
Subject: General/Electrical Date: 2/6/2020 Reply By: ASAP

REQUEST

- TCA 1.** What is the AIC rating for the (2) 800A ECB's shown on detail 11/E0-206?
- TCA 2.** Please specific note 4 shown in corridor E0707 on EL-115 is in error.
- Oak 3.** What contractor is responsible to furnish and install the low voltage transformer for seat lights (specific note 3 on EL-115)?
- TCA 4.** Restrooms F708 and F712 on EL-116 do not indicate any switching.
- TCA 5.** Restroom F708 on EL-116 shows a power pack, restroom F712 on EL-116 shows a dimming room controller. Which is correct?
- TCA 6.** The remote override control switch (3/EL-240) is not shown on the floor plans per the notes in this detail. Are we to include (1) remote override control switch wherever lighting control scheme "L3" is shown?
- TCA 7.** The remote restroom override control switch (4/EL-240) is not shown on the floor plans per the notes in this detail. Are we to include (1) remote restroom override control switch wherever lighting control scheme "L4" is shown?

RESPONSE

Copy To: _____

Signed: Zach Rothfus, CPE, LEED AP BC+D
Date: 2/6/2020



Request For Information PB-041

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-041 **Date Created: 2/6/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Gray & Son		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-041 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**
See Article 2.21 EXTERIOR COLORED CONCRETE ADMIXTURE for additional information in regard to colored concrete.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: #13 High School Pre Bid RFI's No 3
Date: Thursday, February 6, 2020 10:25:18 AM

Thanks,

Steve Krell, CPE



From: John Kelble
Sent: Thursday, February 6, 2020 10:08 AM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Matthew Hovis <MHovis@graynson.com>; Kyle Roupe <KRoupe@graynson.com>
Subject: #13 High School Pre Bid RFI's No 3

1. **Sheet A-882 shows four details for colored concrete. Various colors are indicated but specific colors are not given. Please provide these colors.**

John Kelble, Estimator

Gray & Son Inc. | Excavating, Paving & Utility Contractor

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Request For Information PB-042

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-042 **Date Created: 2/7/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Urban Zink		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-042 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. Profiles were included with Addendum2
2. Contractor to make connection with a Fernco Coupler which is not supplied by Contech.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: HS #13 RFI
Date: Thursday, February 6, 2020 3:10:23 PM
Attachments: [image002.png](#)

Pre-bid RFI #PB-042

Thanks,

Steve Krell, CPE



From: Ben Dyer
Sent: Thursday, February 6, 2020 3:07 PM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Adam Zink <azink@urbanzink.com>; Amanda Nelson <anelson@urbanzink.com>; Sky Tharp <stsharp@urbanzink.com>
Subject: HS #13 RFI

Good Afternoon,

Please consider the following as a request for information regarding HS #13:

1. Please provide profiles for the private sanitary sewer lines shown on Sheets C-3 and C-4.
2. On the SRPE Cistern:
What will be allowed for the type of connection between the 96" and 24", on page C-50 it calls for 24" Solid Wall Connection. Need clarification how this connection is to be made because solid wall HDPE would be fused together or connected with a fernco. Please ask the engineer what will be allowed because Contech side they are not providing that connection detail or specs.

Thanks,

Benjamin J. Dyer

Estimator

Urban N. Zink Contractor, Inc.

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Request For Information PB-043

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-043 **Date Created: 2/7/2020**

Answer Company	Answered By	Author Company	Authorized By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Grounded Electrical		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question	Date Required:
Please review attached Pre-bid RFI #PB-043 and provide a response.	

Suggestion

Answer	Date Answered: 2/13/2020
<ol style="list-style-type: none"> 1. Fire alarm control modules need to be provided for all space indicated on Lighting Control Diagrams and where indicated on Fire Alarm drawings. 2.a. Base bid b. Base bid c. Base bid d. Base bid e. Base bid f. Base bid 3. A projector and screen are not required in the cafeteria. 4. 1.Rack/Cabinet models are listed in Section 27 4200. 2. Correct, the Biamp Tesiraforte DAN AI should be included. 5. Emergency push buttons in E 507B shall connect to shunt trip main breaker in Panel R1E4. 6. Provide drop cord receptacle as indicated on Kitchen drawings 7. Confirmed 8. The rectangular object right of the BGE meter on EP-202 is to be deleted 	

GROUND  **ELECTRICAL**
CONSTRUCTION

REQUEST FOR INFORMATION

Project: High School #13 Attention: Oak Construction RFI #: ~~X~~
Subject: General/Electrical Date: 2/6/2020 Reply By: ASAP

REQUEST

- TCA 1.** Details A/EL-241 and B/EL-241 show requirements for fire alarm control modules to override the lighting control system. Please confirm we are only responsible for the fire alarm control modules to override the lighting control system as indicated on the fire alarm "EF" series drawings.
- TCA 2.** Does the following fall under alternate #5 or base bid:
- a. (4) Floor boxes shown under the reception desk in room A100 on EP-111
 - b. (12) Floor boxes shown under counters in room B125 on EP-112
 - c. (12) Floor boxes shown under counters in room B119 on EP-112
 - d. (12) Floor boxes shown under counters in room B127 on EP-112
 - e. (3) Poke-thrus show under desk and (9) poke-thrus shown under counters in room B239 on EP-122.
 - f. (9) Poke-thrus shown under counters in room B256 on EP-122.
- TCA 3.** On drawing T-507 an Extron IPCP Pro 350 is shown on the line drawing. The notes next to the rack (#10 & 11) call for a projector and screen. Spec 274200 specialized AV systems doesn't list either in the cafeteria section. Are a project and screen needed? If so, please provide more details.
- TCA 4.** What racks (manufacturer and model number) are required as shown on T-505 and T-506? Biamp Tesira AVB is specified on T-506. We believe the correct DSP should be the DANTE version to work with the specified Attero wall plates.
- TCA 5.** What do the (2) emergency push-off buttons control in room E507B on EP-115?
- TCA 6.** Item 35 on K-104 indicates drop-cord receptacles ((3) total); however EP-201 shows cord reels ((3) total). Which is correct?
- Oak 7.** Please confirm the 15A contractor is responsible for the heat tape shown on K-104.
- TCA 8.** What is the rectangular object to the right of the BGE meter on EP-202?

Copy To: _____

Signed: Zach Rothfus, CPE, LEED AP BC+D

Date: 2/6/2020



Request For Information PB-044

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-044 Date Created: 2/7/2020

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent Author RFI Number

Subject Discipline Category
Chesapeake Glazing

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question Date Required:
Please review attached Pre-bid RFI #PB-044 and provide a response.

Suggestion

Answer Date Answered: 2/13/2020

- 1. TCA will be changing the model number for this storefront elevation via future addendum.

From: [Melissa O'Brien](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#); [Steve Krell](#)
Subject: High School #13 RFI - Re: Interior Sliding Windows
Date: Friday, February 7, 2020 8:44:21 AM

Interior Storefront 9 calls for Traco TR-6300 series sliding windows. Kawneer/Traco no longer manufacture this window and do not have a similar product. Kawneer's 8470 Horizontal sliding window is the closest product offered by the manufacturer. Please advise if this should be priced or if another product is desired.

Thanks
Melissa

Melissa O'Brien
Estimator

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Request For Information PB-046

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-046 Date Created: 2/7/2020

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent Author RFI Number

Subject Discipline Category
Electrico

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question Date Required:
Please review attached Pre-bid RFI #PB-046 and provide a response.

Suggestion

Answer Date Answered: 2/13/2020

- All low voltage conduits shall be buried a minimum of 24" below grade.
- Yes, as part of this scope of work, provide and install all low voltage conduits shown on Sheet T-001. The only exception is the run from Route 1 to the HS13 property line/Limit of Disturbance. That portion will be installed separately by Howard County but must be coordinated with this scope of work.
- Verizon, Comcast and County conduits have been identified on revised sheet T-001 as part of Addendum 2.
- Verizon pathways and hand holes have been identified on revised sheet T-001 as part of Addendum 2.
- Comcast conduits have been identified and can be installed in the same low voltage trench as other low voltage conduits. See revised sheet T-001 as part of addendum 2.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: HS #13 - RFI's
Date: Friday, February 7, 2020 10:30:57 AM
Attachments: [image001.png](#)

Pre-bid RFI #PB-046

Thanks,

Steve Krell, CPE



From: Michele Wixsom
Sent: Friday, February 7, 2020 10:23 AM
To: Steve Krell <skrell@oakcontracting.com>
Subject: FW: HS #13 - RFI's

From: Bill Hauf [<mailto:billhauf@electrico.net>]
Sent: Friday, February 7, 2020 10:01 AM
To: Michele Wixsom <mwixsom@oakcontracting.com>
Cc: Dave Heilmann <daveheilmann@electrico.net>; Paul Guest <paul@electrico.net>
Subject: HS #13 - RFI's

Michele,

Please see below the following RFI questions for HCPS High School #13.

- 1.- Ref. Drwg. T-001 – Will all of the underground conduit for Verizon, Comcast and County Fiber be direct buried throughout the project?
- 2.- Ref. Drwg. T-001 – Are we to provide and install the quantity, size and location of underground conduits as indicated on the drawings underground conduit path?
- 3.- Ref. Drwg. T-001 – Notes 2, 3 & 4 indicate the quantity and size conduits for Verizon, Comcast and Fiber. Can the underground conduit be identified and confirm their quantities?
- 4.- Ref. Drwg. T-001 - Notes 7 states that Verizon shall be in their own hand holes and pathway. Please identify where the Verizon conduits are to be located, the quantity of conduits and the quantity and location of the dedicated Verizon hand holes.
- 5.- Ref. Drwg. T-001 - Notes 8 states that Comcast and spare conduits shall be grouped together. Please identify where the Comcast conduits are to be located, the quantity of conduits and can they be installed within the same trench as other telecom conduits.

Thanks,

Bill Hauf
Sr. Vice President



Request For Information PB-048

High School #13 Mission Road	Project # 1705 Tel: Fax:
--	---------------------------------------

RFI #: PB-048 **Date Created: 2/7/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number
---------------	-------------------

Subject	Discipline	Category
Action Electrical		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-048 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**
1. Specifications are correct, CCTV switching equipment is required as part of this scope of work. See revised T-510 included with Addendum 2.

Pre-bid RFI #PB-048

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: HCPS#13 RFI
Date: Friday, February 7, 2020 1:25:06 PM
Attachments: [image001.png](#)

Thanks,

Steve Krell, CPE



From: Ted Gensicki
Sent: Friday, February 7, 2020 1:19 PM
To: Steve Krell <skrell@oakcontracting.com>
Subject: HCPS#13 RFI

Steve,
Please see below.

Hi Ted, can you submit an RFI regarding the security section Video Surveillance 282000-

Please clarify the following- specification section 282000 pg 4 section F – calls for switches to be provided for the Video System however drawing T-510 indicates they are not in contract.

Thx!
Tony Grillo
grillo@ARKSYSINC.com

--

Thanks,
Ted Gensicki
AEC Project Manager
Action Electrical Contractors, Inc.
1050 Hardees Drive, Suite C
Aberdeen, Md 21001
Office- (410) 879-5887
Fax- (410) 893-5072
Cell- (410) 456-0322



Request For Information PB-049

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-049 **Date Created: 2/7/2020**

Answer Company	Answered By	Author Company	Authorized By
Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Matt Lurz Phone: 410-828-1000 Fax: 410-828-7488	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Grounded Electrical		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-049 and provide a response.

Suggestion

Answer **Date Answered: 2/17/2020**

1. Refer to Detail 3 on R-7. The 16A Contractor is responsible for the penetration, conduit, and wiring.
2. Flashing is the responsibility of the 7A Contractor. The penetration and conduit support is the responsibility of the 16A Contractor
3. The 2A and 16A Contractors shall refer to Drawing S-203 for generator pad requirements. See Scope Clarification Detail #28 in Addendum #3

GROUND  **ELECTRICAL**
CONSTRUCTION

REQUEST FOR INFORMATION

Project: High School #13 Attention: Oak Construction RFI #: ~~8~~
Subject: General/Electrical Date: 2/7/2020 Reply By: ASAP

REQUEST

1. Please confirm detail 3/E-503 will be provided by the 7A contractor, with the exception of the conduit and wiring shown in this detail to be by the 16A contractor.
 2. Please confirm that the penetration and flashing for the conduit support will be provided by the 7A contractor.
 3. Please confirm detail 2/E-503 will be provided by the 2A contractor. 16A contractor to provide layout, conduit and vibration isolation devices.
-
-

Copy To: _____

Signed: Zach Rothfus, CPE, LEED AP BC+D
Date: 2/7/2020



Request For Information PB-053

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-053 **Date Created: 2/10/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Urban Zink		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question	Date Required:
Please review attached Pre-bid RFI #PB-053 and provide a response.	

Suggestion

Answer	Date Answered: 2/13/2020
The long jump and triple jumps are to be surrounded by sod, not field turf and gravel base. This will be removed from details 6 and 9 as part of an addendum.	

Pre-bid RFI #PB-053

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: HS #13 RFI
Date: Monday, February 10, 2020 8:11:29 AM

Thanks,

Steve Krell, CPE



From: Ben Dyer
Sent: Friday, February 7, 2020 4:07 PM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Adam Zink <azink@urbanzink.com>; Amanda Nelson <anelson@urbanzink.com>; Sky Tharp <stharp@urbanzink.com>
Subject: HS #13 RFI

Good Afternoon,

Please consider the following as a request for information regarding HS #13:

Details 9 & 6 show artificial turf surrounding the long and triple jump, sheet C-23 shows sod, please clarify

Thanks,

Benjamin Dyer
Estimator
Urban N. Zink Contractor
O - 410-335-3456
C - 443-602-5988



Request For Information PB-054

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-054 Date Created: 2/10/2020

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent Author RFI Number

Subject Discipline Category
Grounded Electrical

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question Date Required:
Please review attached Pre-bid RFI #PB-054 and provide a response.

Suggestion

Answer Date Answered: 2/13/2020

1. SL6 to be deleted.
2. A new sheet will be released via addendum.
3. Time clock shall control wall mounted fixtures type BB as indicate on note 1. Timeclock function to be timeclock on / timeclock off.
4. Electronic trap primer above ceiling.
5. Owner provided time clock
6. The 3A Contractor will provide the pit. The 16A Contractor shall provide the stone

GROUND  **ELECTRICAL**
CONSTRUCTION

REQUEST FOR INFORMATION

Project: High School #13 Attention: Oak Construction RFI #: ~~11~~
Subject: General/Electrical Date: 2/8/2020 Reply By: ASAP

REQUEST

- TCA 1.** Please confirm "SL6" shown in classroom 8 (B262) on EL-122 is in error.
 - TCA 2.** Can drawing C-53 be re-issued? It's extremely difficult to read (blurry).
 - TCA 3.** What is the time clock shown on the stadium building lighting detail on EL-150 used for? Also, please provide addition information on the time clocks requirements.
 - TCA 4.** What is the unlabeled connection in production lab B121A on circuit R1F1-15 on EP-112?
 - TCA 5.** What is the unlabeled connection in work room C120 on circuit R1B1-14 on EP-113?
 - Oak 6.** Please confirm the 3A contractor will provide the utility pit under the switchboard as indicated in specific note 14 on E-601.
-
-

Copy To: _____

Signed: Zach Rothfus, CPE, LEED AP BC+D
Date: 2/8/2020



Request For Information PB-055

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-055 **Date Created: 2/10/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Grounded Electrical		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-055 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. Either model is acceptable. HCPSS does not have a preference.
2. The Community V2 212S can be used as a replacement.
3. Disregard the Denon DN-300BR, it is not required for the Aux Gym or Gym sound system.

GROUND  **ELECTRICAL**
CONSTRUCTION

REQUEST FOR INFORMATION

Project: High School #13 Attention: Oak Construction RFI #: ~~10~~
Subject: General/Electrical Date: 2/7/2020 Reply By: ASAP

REQUEST

1. On drawing T-506 the line drawing and the rack show a Tascam CD-200BT but the specs in section 27 4200 list a Denon DN-300Z. Which is correct?
 2. The Gym Sound system calls for a Community R.5SUB/-T. That sub is discontinued, there are two new replacements. Please indicate which new model is to be utilized.
 3. 27 4200 sections B & C list a Denon DN-300BR. The drawings (T-505 & T-506) do not show the DN-300BR in the line drawing or the rack.
-
-

Copy To: _____

Signed: Zach Rothfus, CPE, LEED AP BC+D
Date: 2/10/2020



Request For Information PB-056

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-056 **Date Created: 2/10/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
Interstate		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-056 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. Install 8'x8' sumps centered at roof drains as specified. Install flat fill and tapered polyisocyanurate roofing insulation extending from center of roof drain to meet top surface of top layer of roofing insulation. Cover all polyisocyanurate roofing insulation with manufacturer's cover board. Do NOT install tapered edge strips at roof drain sumps

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: RFI: High School #13
Date: Monday, February 10, 2020 10:04:59 AM

Pre-bid RFI #PB-056

Thanks,

Steve Krell, CPE



From: David Choi
Sent: Monday, February 10, 2020 9:58 AM
To: Steve Krell <skrell@oakcontracting.com>
Subject: RFI: High School #13

(RFI: Div.7A- Roofing)

Roof Drain Detail (Ref. Dwg 4/R-6; Ref. Specification 072200):

Roof Specialty Dwg 4/R-6-Roof Drain Detail shows that there is no Roof Sump-Flat fill insulation with 18" Tapered Edge Strip.

Specification 072200, Para. 1.02.A8 states 'Provide 8- foot by 8-foot roof sumps';

Please clarify which one is correct.

Thanks

David S. Choi



16031 Industrial Drive
Gaithersburg, MD 20877
O) 240-660-2911 F) 240-660-2912



Request For Information PB-060

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-060 **Date Created: 2/11/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent **Author RFI Number**

Subject	Discipline	Category
Altimate Elec.		

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question **Date Required:**
Please review attached Pre-bid RFI #PB-060 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**
 1.Low voltage site conduits shown on the Technology drawings can be direct buried a minimum of 24" below grade.
 2.Concrete encasement is not necessary but is allowable.

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)
Subject: FW: High School #13 Technology Ductbanks
Date: Tuesday, February 11, 2020 11:17:11 AM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Pre-bid RFI #PB-060

Thanks,

Steve Krell, CPE



From: Darryl Leonard
Sent: Tuesday, February 11, 2020 11:15 AM
To: Steve Krell <skrell@oakcontracting.com>
Subject: High School #13 Technology Ductbanks

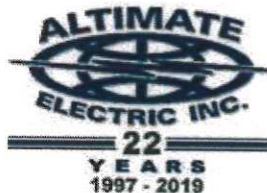
Good morning,

It is unclear which, if any, of the ductbanks shown on T-001 require concrete encasement. The detail on T-001 does not label specific fill; on E-501, there are details for both concrete-encased and direct buried ductbanks, but technology ductbanks are not called out specifically among these details. Spec 26054 3.1 B indicates that concrete encasement is required for all outside plant cabling. Is concrete encasement required for all technology ductbanks?

Thanks,

Darryl

Darryl Leonard, *Estimator*



O: [301-607-8003](tel:301-607-8003) x244
F: [301-607-8006](tel:301-607-8006)
www.altimateelectric.com





Request For Information PB-066

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-066

Date Created: 2/12/2020

Answer Company	Answered By	Author Company	Authored By
Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Matt Lurz Phone: 410-828-1000 Fax: 410-828-7488	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number

Subject	Discipline	Category
T.M.I.		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

Question **Date Required:**
 Please review attached Pre-bid RFI #PB-066 and provide a response.

Suggestion

Answer **Date Answered: 2/13/2020**

1. Warranty requirements are included in the Specifications
2. Liquidated Damages are included in the Form of Agreement

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixson](#)
Subject: FW: #13 High School New Construction #016.20.B4 RFI
Date: Wednesday, February 12, 2020 9:47:34 AM

Pre-bid RFI #PB-066

Thanks,

Steve Krell, CPE



From: Teresa Chandler
Sent: Wednesday, February 12, 2020 9:37 AM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Mike Kline <mcline@towsonmechanical.com>; Troy Schultz <tschultz@towsonmechanical.com>
Subject: #13 High School New Construction #016.20.B4 RFI

Good Morning Steve,

Please advise on the following:

What is the Warranty period for the project?
What are the Liquidated Damages?

Thank you,

Teresa Chandler

TMI Contractors
8651 Oakleigh Rd
Parkville, MD 21234
Ph-410-668-1210
Fax-410-668-1364
tchandler@towsonmechanical.com



Request For Information PB-070

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-070 Date Created: 2/13/2020

Answer Company	Answered By	Author Company	Authored By
Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Matt Lurz Phone: 410-828-1000 Fax: 410-828-7488	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent Author RFI Number

Subject Discipline Category
Grounded Elec.

Cc: Company Name	Contact Name	Copies	Notes
Oak Contracting, LLC	File	1	

Question Date Required:
Please review attached Pre-bid RFI #PB-070 and provide a response.

Suggestion

Answer Date Answered: 2/13/2020
1. See addendum #2

GROUND  **ELECTRICAL**
CONSTRUCTION

REQUEST FOR INFORMATION

Project: High School #13 Attention: Oak Construction RFI #: ~~14~~
Subject: General/Electrical Date: 2/13/2020 Reply By: ASAP

REQUEST

1. Are the stage curtains still required in this project? If so, do they fall under 116100-2.24 through 2.25?
-

Copy To: _____

Signed: Zach Rothfus, CPE, LEED AP BC+D
Date: 2/13/2020



Request For Information PB-078

High School #13
Mission Road

Project # 1705
Tel: Fax:

RFI #: PB-078

Date Created: 2/14/2020

Answer Company	Answered By	Author Company	Authored By
Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Matt Lurz Phone: 410-828-1000 Fax: 410-828-7488	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

Co-Respondent	Author RFI Number
---------------	-------------------

Subject	Discipline	Category
Kinsley		

Cc: Company Name	Contact Name	Copies	Notes
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Question **Date Required:**
Please review attached Pre-bid RFI #PB-078 and provide a response.

Suggestion

Answer **Date Answered: 2/17/2020**
1. Confirmed

From: [Steve Krell](#)
To: [Matt Lurz](#); [Corey Wixsom](#)
Subject: FW: High School #13
Date: Friday, February 14, 2020 11:53:09 AM
Attachments: [image768421.png](#)

Pre-bid RFI #PB-078

Thanks,

Steve Krell, CPE



From: Dave Spaulding
Sent: Friday, February 14, 2020 11:46 AM
To: Steve Krell <skrell@oakcontracting.com>
Cc: Brian Strausbaugh <bstrausbaugh@hanoveriron.com>
Subject: High School #13

High School #13
Bid Package 5a Metals

Steve,

Please submit these RFI's to the design team for their review and response:

- In regards 05500 Metal Fabrication, please confirm 5A is only responsible for one coat of shop primer per 05 5000 2.4 and that 9E is responsible for the 2 coats of universal acrylic metal primer listed in spec 09 9100.

Thank you,

Dave Spaulding
Project Estimator
p: +1 717-757-8841
dspaulding@kinsleyconstruction.com

KINSLEY

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