

FOR THE PROJECT TITLED:

**FRANKLIN COUNTY HS & WESTERN HILLS HS ATHLETIC IMPROVEMENTS
KDE BG 22-121**

JRA Project No. 202148

Franklin County Schools
Frankfort, Kentucky

To: Prospective Bidders

From: JRA Architects
3225 Summit Square Place, Suite 200
Lexington, KY 40509

Project Contact: Eric P. Steva, AIA, LEED AP BD+C

The Addendum will form a part of the Contract Documents and modifies the original Bidding Documents dated January 2022

Bidders must acknowledge receipt of this Addendum in the space provided on the Form of Proposal. Failure to do so may subject the bidder to disqualification.

Bidding Documents, including the Drawings and Specifications, are amended as described herein.

ARCHITECTURAL ITEMS:

ITEM NO. 1.01

Refer to Specification Section 00 1113 "ADVERTISEMENT FOR BIDS"

Change the BID DATE to Tuesday, March 8, 2022

Location and time remain the same.

ITEM NO. 1.02

Refer to Specification Section 13 1260 "PREFABRICATED CONCESSION STAND"

Replace specification in its entirety.

ITEM NO. 1.03

Refer to sheet S-100 – CONCESSION FOUNDATION PLAN AND DETAILS

See Revised Plan with clouded revision note #1 for changes to the structural plans and details.

ITEM NO. 1.04

Refer to revised sheet A-100 CONCESSION BUILDING PLAN, SECTION, & ELEVATIONS

- A. See clouded revision note #1 for the revisions to the building section (F/A-100) and the Counter at Overhead Door (L/A-100).
- B. See clouded revision note #1 for the added Plan Keynote #17, regarding a seam in the stainless steel counter.

END OF ADDENDUM NO. 2.00

SECTION 131260 – PREFABRICATED CONCESSION STAND**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

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

1.2 SUMMARY

- A. This section includes complete services to provide a prefabricated, modular concession stand of a size and capacity indicated, and with features indicated on the drawings.
- B. Related Requirements:
 - 1. Section 03 3000 – “Cast-in-Place Concrete” for Foundation.
 - 2. Section 06 4116 – “Plastic-Laminate Clad Architectural Cabinets”

1.3 REFERENCES

- A. IBC 2015 with 2018 KY amendments
- B. AISC Steel Manual Thirteenth Edition
- C. ACI 318-05
- D. Aluminum Association Aluminum Design Manual 2010
- E. AWS D1.2

1.4 PERFORMANCE REQUIREMENTS

- A. All material and workmanship shall be in accordance with the applicable state building code/ IBC current edition and NFPA.
- B. All electric components shall be UL listed.
- C. Design Loads
 - 1. Dead Load: 10 psf
 - 2. Live Load: 100 psf @ Floor
 - 3. Wind Speed: 20 psf on vertical surfaces
 - 4. Seismic Load: Design per local seismic conditions
- D. Design Classification
 - 1. Use Group: B: Construction Type V-B.

1.5 SUBMITTALS

A. Post-Bid Submittals

1. Plan view and wall section showing complete detail of layout, connection and trim detail.
2. Schedule of Work Experience, including names of contacts and phone numbers; 10 jobs minimum within the last five (5) years.
3. List of three (3) similar jobs within the past two (2) years – should owners (3 persons maximum) request a site visitation to these jobs, it will be at the bidder's expense.
4. Resume including Corporate Officers, Sales Representatives, Technical Advisor, Project Manager, and Job site Superintendent.
5. Project schedule, including phasing with other trades and designation for all tasks, milestone dates for drawing submittal, fabrication time, key material delivery dates and designated dates of installation.
6. Shop drawings stamped and signed by a Professional Engineer licensed in the state of installation.
7. Plumbing piping diagram
8. Electrical wiring diagram
9. Data cutsheets on plumbing fixtures, HVAC equipment and electrical panelboard and devices.

1.6 QUALITY ASSURANCE

- A. Manufacturer: Company specializing in modular building construction with experience in manufacturing modular units.
- B. Engineer qualifications: The concession stand shall be approved by a registered professional engineer in the state the concession stand will be installed in.
- C. Warranty: Concession shall be guaranteed for one (1) year against defective material or workmanship. Damage resulting from abnormal use or vandalism is not applicable.
- D. Provide all electrical and plumbing code permits, fees, and approvals.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Subject to compliance with all specified requirements, products shall be provided by either the basis of design manufacturer, or another approved manufacturer. Being listed as an approved manufacturer does not remove the requirements to comply with any portion of the drawings or specifications regardless of what is deemed a manufacturer's standard product. See below for the manufacturer approval process.
 1. Manufacturers:
 - a. Dant Clayton Corporation, Louisville, KY
 - b. National Recreation Systems, Inc.
 - c. Panel Built, Inc.
 - d. Sightlines Athletic Facilities, Inc.

- B. Additional manufacturers requesting to bid shall be approved by written addendum at least (7) days prior to bid date. Listing as an approved manufacturer does not remove the responsibility to meet all specifications.
 - 1. Additional manufacturers shall submit product data and project references attesting to their ability to comply with the project drawings and specifications in all aspects.
 - 2. Such written documentation shall be received by the architect a minimum of 10 business days prior to the bid date.

2.2 PRODUCT COMPONENTS

- A. Modular Construction system shall be constructed from pre-finished materials supplied by the Manufacturer consisting of the following components
- B. Wall Panels:
 - 1. Wall panels are to be nominal 3" thick by 48" by height shown on the drawings.
 - 2. Core Expanded polystyrene ASTM E84 Class A fire-resistant, 1 pound PSF density, Minimum R-Value of R-11.
 - 3. Panel finish:
 - a. Interior: Manufacturer's standard range of Fiberglass Reinforced Plastic (FRP) panels., 0.090-inch, Class C
 - b. Exterior: Manufacture's standard range of 26 gauge pre-painted steel panels
- C. Structural Framework: Extruded aluminum alloy 6063-T5 with painted finished surface
 - 1. Consists of a 3-piece design which serves as the connecting device for holding all panels together. These posts also serve as a vertical chase to conceal electrical and data service. A full height Snap-on cover plate is to be included for easy access without disassembly of wall system. Standard connecting posts are to be load bearing.
 - 2. Corner post" Consist of a 1-piece design that serves as structural members and the connecting device for walls at 90 degrees to each other.
 - 3. Wall Starts: Consists of an aluminum U-shaped channel to fit flush where two panels meet at a perpendicular angle. Th U-shaped channel shall be sized to enable standard wall panel connectors.
 - 4. Ceiling Cap: Extruded aluminum alloy 6063-T5 provided in 10-foot lengths to fit snugly around the top of all perimeter wall sections. Integral vertical fascia is to be included to create a clean, finished appearance.
 - 5. Partition Cap: Extruded U-Shaped aluminum alloy 6063-T-5 provided in 10-foot lengths to fit snugly around the top of all partition wall systems.
 - 6. Base Plate: Extruded U-shaped aluminum alloy 6063-T5 provided in 10-foot lengths to serve as a leveling surface and guide for the installation of wall panels and connecting posts.
- D. Door Assemblies: Full Flush doors include lock set shipped separately. Doors include a integral threshold and stationary door sweep.
 - 1. Door Leaf: Single swing door, hollow metal steel door consisting of 20-gauge steel
 - a. Size & Style: as indicated on the drawings.
 - b. Color: As selected by Architect from manufacturer's full range.

2. Door Frame: Steel frame with integral stop
 - a. Color: To match door.
3. Door Hardware
 - a. Exterior Door Hinges: Continuous aluminum hinge.
 - b. Interior Door Hinge: Full Mortised, plain bearing 4-1/2" x 4" butt hinge with a brushed aluminum finish.
 - c. Lockset: Industrial grade, with ADA compatible lever handle.
 - d. Exterior Door Sweep: Aluminum extrusion with black vinyl sweep, surface mounted to the bottom of the door.
4. Coiling Counter Doors:
 - a. Cookson Co. (or equal), capable of 20,000 operation cycles
 - b. Slats: Interlocking stainless steel slats, with flat profile slats of 1-1/2" center to center height.
 - c. Bottom Bar: manufacturer's standard continuous channel or tubular shape stainless steel.
 - d. Curtain Jamb Guides: Stainless steel with exposed finish slats with continuous integral wear strips to prevent metal to metal contact
 - e. Head & Jamb Wrap: Stainless steel, round shape, mounted to face of wall.
 - f. Locking Devices: Cremone-type, both jamb sides, locking bars operable from inside and outside with cylinders.
 - g. Door Finish: Stainless Steel Finish: ASTM A480/A480M No. 4 (polished directional satin).

E. Miscellaneous items:

1. Serving window counter
 - a. 18" deep x 1 1/2" Clear stainless-steel countertop with rounded front nose. Mounted on brackets spaced a minimum of 32", minimum load of 1,000 lbs, each.
2. Mop & Broom holder
 - a. Bobrick Washroom Equipment, Inc. B-329 Series or designation or comparable product by American Standard or Bradley Corp. 34" long, with 4 hooks and 3 spring-loaded holders, stainless steel.

2.3 Roof Systems:

- A. Steel Deck: Corrugated B-deck serves as roof cover and span support for acoustical grid ceiling system and lights.
- B. Pitched panelized shed roof with overhang. The roof shall be 3-inch composite sandwich panels. Both sides shall be stucco embossed aluminum pre-painted white. The core shall be 1-pound PSF polystyrene foam. The entire panel shall be laminated together using a solvent free two-part polyurethane adhesive and pressure. The panels shall have formed edge connectors that are capable of being friction locked without mechanical fasteners using full-length joint without through metal connectors. The joint shall allow lateral expansion and connection.
- C. Acoustical Ceiling Systems: Suspended metal grid with lay-in acoustical tile.

1. Acoustical ceiling tile: 2-foot x 4-foot x 5/8-inch, non-directional fissured lay-in panels, USG #2310 "Radar" or equal.

2.4 Floor Construction:

1. Structure: 10" high structural steel base.
 - a. Finish: Power coated.
 - b. Color: Black.
2. Insulation: 2" thick polyiso, R-17 with 20-gauge galvanized steel cover mechanically fastened to base.
3. Decking: 3/4" underlayment grade, tongue and groove fir plywood.
4. Floor Covering: 1/8" Rubber Flooring, low-profile raised circular design, by Roppe, or equal.
 - a. Color & Finish: As selected from manufacturer's standard range.
5. Molding: 4" Thermoplastic rubber base molding by Roppe, or equal.
 - a. Color & Finish: As selected from manufacturer's standard range.

2.5 MECHANICAL, ELECTRICAL & PLUMBING SYSTEMS:

A. Electrical

1. Service Entrance Panel: Square D Q0124M100 with Main Disconnect; rated at 120/240v, single phase, 100 amp capacity.
2. Receptacles: Pass & Seymour 125 volt/15 amp duplex, spec-grade, along the rear wall. Wiremold 5400 Series two-piece multi-channel, dual voltage, non-metallic surface raceway along front wall below scorer's counter, outlets on 48" centers.
3. Lighting: Lithonia CSS LED Strip Light 4-ft. 5000 LM, 4000K color, or equal. Provide two head emergency light with 90 minute battery backup.
4. Circuits: All branch circuit wiring is minimum #12 THHN encased in EMT thin wall conduit or MC Cable.
5. All circuits shall be wired from panel to electrical devices, water heater and HVAC.
6. Provide electrical inspector certificate of compliance.

B. HVAC

1. Air conditioner shall be 13,500 BTU's of cooling and 5, 000 BTU's of heating. 115 V, 60Hz, 20 Amp.
2. Roof mounted with manual controls.

C. PLUMBING

1. Three Compartment sink – Elkay SS83454 (or equal) – Provide compatible two faucet arms with hot and cold controls. Arms shall cover two bowls. Provide quarter turn valved drains with valve handles at underside of each bowl – Model BK resources Model BK LWR-2.
2. Under counter grease trap for three compartment sink- - JR Smith 8004 (or equal).

3. Mop Sink 24" X 24" with SS backsplash Mustee 63M, hose clamp, 63.600A faucet with vacuum breaker and mop hook. Provide 12" high stainless steel splash guards on 2-sides (or equal).
4. Hand sink – Regency 600HS12 (or Equal)
5. Water heater – State EN6-50-DORS 6,000 watt, 240 volt. Provide expansion tank, T7P relief Valve as well (or Equal).
6. All DWV piping shall be PVS. All hot and cold water shall be copper with insulation. Design DWV in accordance with Kentucky Building code. Provide local plumbing inspection permit for acceptance.
7. Provide floor drain next to three compartment sink and Open receptacle for water heater T&P valve drain.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine all existing conditions with installer present for compliance with requirements for installation tolerances and other conditions affecting performance of the work.
- B. Prepare written report, endorsed by installer, listing conditions detrimental to performance of the work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install concession stand and all components according to manufacturer's written instruction and the approved shop drawings.
- B. Installation: Shall be handled directly by the manufacturer or by a factory certified installation subcontractor.
- C. Refer to Part 2 for MEP installation requirements and inspection requirements.

3.3 CLEANING

- A. Clean all surfaces according to manufacturer's recommendations.
- B. Use cleaning solutions and methods that do not damage the finishes or the adjacent surfaces.
- C. Touch up finishes as recommended by manufacturer to the satisfaction of the architect.

3.4 Owner Responsibility:

- A. Site access
- B. Final electrical hook-up.

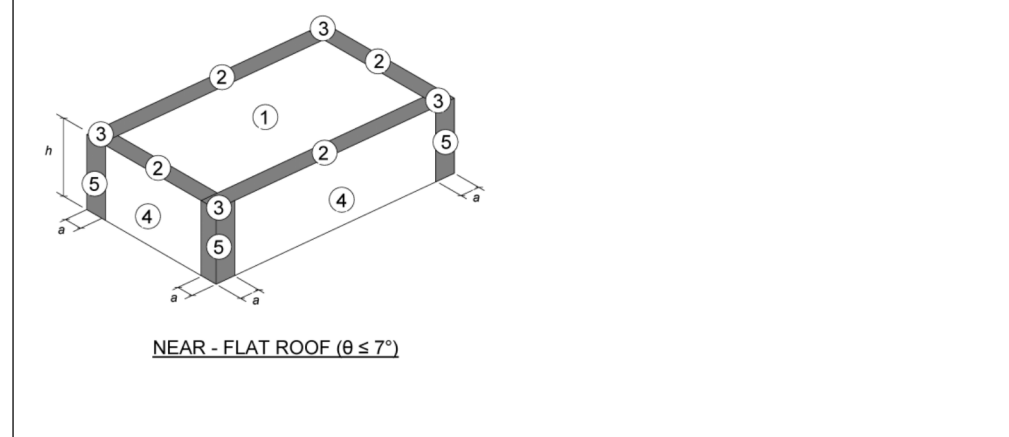
END OF SECTION 13 1260

GENERAL NOTES

DESIGN LOADS	
STRUCTURAL LOAD CATEGORY	CATEGORY II
FLOOR LIVE LOAD	150 PSF
KITCHENS	150 PSF
ROOF LIVE LOAD	20 PSF MIN
ROOF SNOW LOAD (PER ASCE 7-10)	
GROUND SNOW LOAD	$P_g = 15$ PSF
IMPORTANCE FACTOR	$I_s = 1.0$
SNOW EXPOSURE FACTOR	$C_e = 1.0$
THERMAL FACTOR (BUILDING)	$C_t = 1.0$
RAIN ON SNOW SURCHARGE	$P_r = 5$ PSF
FLAT-ROOF SNOW LOAD ($P_f = 0.7 C_e C_t P_g$)	$P_f = 10.5$ PSF
MINIMUM-ROOF SNOW LOAD (I) (P_m)	$P_m = 15$ PSF
SLOPED-ROOF SNOW LOAD ($P_s = C_s P_f$)	$P_s = 10.5$ PSF
(BUILDING)	
*INCREASE FOR DRIFTING PER ASCE 7-10, SECTIONS 7.7 & 7.8	
WIND LOAD (PER ASCE 7-10)	
ULTIMATE DESIGN WIND SPEED	$V_{ULT} = 115$ MPH
NOMINAL DESIGN WIND SPEED	$V_{ASCE} = 89$ MPH
WIND EXPOSURE	EXPOSURE C
ENCLOSURE	FULLY ENCLOSED
INTERNAL PRESSURE COEFFICIENT	$GCF = \pm 0.18$
END ZONE WIDTH	$a = 9$ FT

COMPONENTS & CLADDING EXTERNAL PRESSURE ULTIMATE (LRFD) LOADS (PSF)					
EFFECTIVE WIND AREA (SQ FT)	LOCATION PER ASCE 7-10				
	(1)	(2)	(3)	(4)	(5)
-10	11.7	11.7	11.7	26.4	26.4
	-28.9	-48.4	-22.9	-28.6	-32.2
20	11.0	11.0	11.0	25.2	25.2
	-28.1	-43.3	-60.4	-27.4	-32.9
50	10.0	10.0	10.0	23.7	23.7
	-27.2	-36.5	-45.8	-25.9	-29.8
100	9.3	9.3	9.3	22.5	22.5
	-26.4	-31.3	-31.3	-24.7	-27.4
500				19.8	19.8
				-22.0	-22.0

- NOTES:
- WIND LOADING PROVIDED ARE ULTIMATE (LRFD) LOADING. FOR ALLOWABLE STRESS DESIGN, MULTIPLY LOADS PROVIDED BY 0.6.
 - LOADING PROVIDED IS FOR WIND CASE ROOF HEIGHT. DELEGATED DESIGNERS MAY RECALCULATE LOADS FOR SPECIFIC COMPONENT HEIGHTS USING PARAMETERS SPECIFIED.
 - PRESSURES SHOWN ARE APPLIED NORMAL TO THE SURFACE.
 - PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
 - EACH COMPONENT MUST BE DESIGNED FOR MAXIMUM POSITIVE AND NEGATIVE FORCES.
 - FOR COMPONENTS HAVING EFFECTIVE AREAS IN BETWEEN TABULATED VALUES, DESIGN LOADS MAY BE INTERPOLATED. OTHERWISE, DESIGN LOAD MUST BE TAKEN FROM THE NEXT LOWEST EFFECTIVE AREA.
 - INTERNAL PRESSURES FOR BUILDING IS INCLUDED IN ABOVE VALUES.
 - THE NET CAC PRESSURE (INCLUDING INTERNAL PRESSURE) FOR ANY COMPONENT SHALL NOT BE TAKEN LESS THAN 16 PSF ACTING IN EITHER DIRECTION NORMAL TO THE SURFACE.
 - NOTATION:
 - a: 10 PERCENT OF LEAST HORIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4h OF LEAST HORIZONTAL DIMENSION OR 9 FT.
 - h: MEAN ROOF HEIGHT, IN FEET, EXCEPT THAT EAVE HEIGHT SHALL BE USED FOR ROOF ANGLES $\theta > 10^\circ$.
 - θ : ANGLE OF PLANE OF ROOF FROM HORIZONTAL, IN DEGREES.



EARTHQUAKE DESIGN DATA	FRANKLIN / KENTUCKY
COUNTY / STATE	
IMPORTANCE FACTOR	$I_s = 1.0$
MAPPED SHORT PERIOD RESPONSE ACCELERATION	$S_s = 0.177$
MAPPED 1 SECOND PERIOD RESPONSE ACCELERATION	$S_1 = 0.062$
SITE CLASS	CLASS D
DESIGN SHORT PERIOD SPECTRAL RESPONSE COEFFICIENT	$S_{ds} = 0.189$
DESIGN 1 SECOND PERIOD SPECTRAL RESPONSE COEFFICIENT	$S_{d1} = 0.147$
SEISMIC DESIGN CATEGORY	CATEGORY C
BASIC STRUCTURAL SYSTEM	BEARING WALL SYSTEM
SEISMIC RESISTING SYSTEM	LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE
RESPONSE MODIFICATION FACTOR	$R = 6.5$
SEISMIC COEFFICIENT	$C_s = 0.029$
METHOD OF ANALYSIS	EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC BASE SHEAR	$V = 1.7$ KIPS

DESIGN STRENGTHS	
CONCRETE (STRENGTH DESIGN) MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS:	
EXTERIOR SLABS ON GRADE & CURBS	$f'_c = 5,000$ PSI
REINFORCING BARS (ASTM A615 GRADE 60)	$f_y = 60,000$ PSI
WELDED WIRE FABRIC (ASTM A1064)	$f_y = 65,000$ PSI
SOIL BEARING PRESSURE FOR FOUNDATIONS (ASSUMED)	1,500 PSF

- DESIGN CRITERIA
- STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2018 KENTUCKY BUILDING CODE, 2ND EDITION (2015 IBC).
 - NO PROVISION HAS BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

GENERAL

- THE REQUIREMENTS OF THESE GENERAL NOTES APPLY UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CONTRACT DOCUMENTS, ADDENDA, AND SUPPLEMENTARY INFORMATION AND DISTRIBUTING SUCH TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE PREPARATION AND SUBMITTAL OF SHOP DRAWINGS, FABRICATION, AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES THAT MAY EXIST.
- ANY DISCREPANCIES BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- DO NOT SCALE DRAWINGS.

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS TO CONSTRUCT THE STRUCTURE, INCLUDING VERIFICATION OF LOAD CAPACITY OF THE STRUCTURE TO SUPPORT CONSTRUCTION ACTIVITIES, EQUIPMENT, ETC., AND FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED. DAMAGE TO THE STRUCTURE CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE CORRECTED BY THE RESPONSIBLE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- SHOP DRAWINGS MUST BE CHECKED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMISSION.
- NON-STRUCTURAL ELEMENTS OF THE BUILDING (ARCHITECTURAL FINISHES, MASONRY VENEER AND ASSOCIATED TIES, INSULATION, SHEATHING, DUCTWORK, PIPING, FOUNDATION FLOOR/ROOF DRAINS, ETC.) ARE TYPICALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. WHERE NON-STRUCTURAL ELEMENTS ARE SHOWN ON THE STRUCTURAL DRAWINGS, THEY ARE SHOWN FOR REFERENCE AND DESIGN INTENT ONLY. NON-STRUCTURAL ELEMENTS SHALL BE CONSTRUCTED AS SHOWN ON THE ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS.
- DETAILS LABELED TYPICAL ON THESE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR AND SHALL APPLY REGARDLESS OF WHETHER THEY ARE KEVED ON THE PLANS. CONSTRUCTION NOT SPECIFICALLY INDICATED BY DETAIL OR SECTION SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.

FOUNDATION CONSTRUCTION

- THE OWNER HAS ELECTED TO NOT PROVIDE A GEOTECHNICAL INVESTIGATION AND REPORT FOR THIS PROJECT. FOUNDATIONS HAVE BEEN DESIGNED FOR THE ASSUMED ALLOWABLE BEARING PRESSURE. THE INSPECTOR, HIRED BY THE CONTRACTOR, SHALL VERIFY THAT THE BEARING STRATA IS ADEQUATE FOR THE ASSUMED BEARING PRESSURE.
- ALL FOUNDATIONS MUST BE SUPPORTED ON UNDISTURBED SOIL, CAPABLE OF SUPPORTING DESIGN LOADS WITHOUT APPRECIABLE SETTLEMENT. CONTRACTOR SHALL PROBE BEARING STRATA WITH DRIVEN RODS, REMOVE SHALLOW BEDROCK (AND OVERLYING SOIL) WITHIN TWO FEET BELOW BOTTOM OF FOOTING, AND REPLACE WITH ENGINEERED SOIL BACKFILL.
- IN GRANULAR SOILS (SANDS AND GRAVEL), THE SOIL SHALL BE MECHANICALLY TAMPED TO A HARD SURFACE IMMEDIATELY PRIOR TO PLACING FOOTING.
- LOCATE EXISTING UNDERGROUND UTILITIES IN AREAS OF CONSTRUCTION. COORDINATE WITH UTILITY COMPANIES FOR ANY SHUT-OFF REQUIREMENTS OF STILL-ACTIVE LINES.
- WHEN EXCAVATIONS APPROACH THE GROUND WATER LEVEL, THE WATER LEVEL SHALL BE LOWERED BY AN ACCEPTABLE DEWATERING SYSTEM SO THAT THE WATER LEVEL IS MAINTAINED CONTINUOUSLY A MINIMUM OF 2'-0" BELOW THE EXCAVATION.
- SEE ARCHITECTURAL AND SITE DRAWINGS FOR CONTOUR AND LAYOUT OF SITE WALKS. SLOPE EXTERIOR CONCRETE 1/8" FT AWAY FROM BUILDING, UNLESS NOTED OTHERWISE.
- FOUNDATION CONCRETE SHALL BE PLACED IMMEDIATELY FOLLOWING EXCAVATION. A LEAN CONCRETE (1,500 PSI) MUD MAT SHALL BE PLACED OVER THE PREPARED BEARING MATERIALS IF EXCAVATION MUST REMAIN OPEN DURING INCLEMENT WEATHER OR FOR MORE THAN 72 HOURS.
- CONTRACTOR SHALL EXERCISE CAUTION THAT DENSE GRADED AGGREGATE BLANKET BELOW FLOOR SLAB DOES NOT BECOME SATURATED DURING CONSTRUCTION. CONTRACTOR SHALL CAST FLOOR SLAB OR PROVIDE TEMPORARY PROTECTION FOR SUBGRADE UNTIL SLAB IS CAST TO PREVENT WATER INFILTRATION INTO SUBGRADE. SURFACE RUNOFF SHALL BE DIRECTED AWAY FROM FOUNDATION EXCAVATIONS AND NOT BE PERMITTED TO POND WITHIN THE BUILDING FOOTPRINT. PROVIDE DRAINAGE TRENCHES FROM FOUNDATION EXCAVATIONS TO DIRECT RAINWATER OUT OF EXCAVATIONS.

CONCRETE CONSTRUCTION

- ALL CONCRETE CONSTRUCTION TO BE IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 301, ACI 318 AND ACI DETAILING MANUAL, EXCEPT THAT CONSTRUCTION AND REMOVAL OF FORMS SHALL BE INSPECTED BY THE CONTRACTORS ENGINEER.
- FINISH BAR SUPPORTS WHERE NECESSARY DURING CONSTRUCTION.
- PROVIDE PIPE SLEEVES AND INSERTS IN CONCRETE WORK WHERE REQUIRED. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
- WELDING OF REINFORCING BARS (INCLUDING TACK WELDING) IS NOT PERMITTED.
- ALL EXPOSED CORNERS OF CONCRETE SHALL BE CHAMFERED 45 DEGREES. MINIMUM CHAMFER TO BE 1/2".
- REINFORCING FOR SLABS ON GROUND (IN FLAT SHEETS) SHALL BE IN THE MIDDLE OF THE SLAB EXCEPT AS OTHERWISE NOTED AND SHALL BE POSITIVELY SUPPORTED AND MAINTAINED IN THIS POSITION DURING PLACEMENT OF CONCRETE.
- TROWEL FINISH EXPOSED CURB SURFACES. FLOAT AND FINE BROOM FINISH EXPOSED SLAB SURFACE.
- ALL EXPOSED CONCRETE SUBJECTED TO FREEZING AND THAWING TO HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.40 AND 6% +/-1% OF ENTRAINED AIR.
- BEND ALL HORIZONTAL FOUNDATION BARS 1'-0" AROUND CORNERS OR PROVIDE CORNER BARS WITH 2'-0" LAP.
- SPLICES: ALL REINFORCING SPLICES SHALL BE AS TENSION LAP, U.N.O. A. LAP ALL COMPRESSION SPLICES 30 BAR DIAMETERS OF THE LARGER BAR. B. LAP ALL TENSION SPLICES IN ACCORDANCE WITH THE FOLLOWING TABLE. MODIFY LENGTHS AS NOTED:

BAR SIZE	CONCRETE COMPRESSIVE STRENGTH			1. INCREASE SPLICE LENGTH BY THE FOLLOWING: 2. NOTE: INCREASED LENGTHS ARE ACCUMULATIVE.
	3,000 PSI	4,000 PSI	5,000 PSI	
#4	29"	25"	22"	1. HORIZONTAL TOP BARS WITH GREATER THAN 12" OF CONCRETE BELOW 2. BAR SPACING LESS THAN 2 BAR DIAMETERS
#5	36"	31"	28"	

- CONCRETE PROTECTION FOR REINFORCEMENT:
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH COVER
 - CONCRETE EXPOSED TO EARTH OR WEATHER
NO. 5 BAR, W31 OR D31 WIRE AND SMALLER 1 1/2"

PRE-ENGINEERED BUILDING CONSTRUCTION

- PRE-ENGINEERED BUILDING CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE BUILDING STRUCTURE.
- CONTRACTOR SHALL SUBMIT DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF KENTUCKY FOR REVIEW BY THE ARCHITECT AND ENGINEER.
- STRUCTURE SHALL BE DESIGNED FOR:
 - A. STRUCTURE SELFWEIGHT (INCLUDING ROOF SYSTEM).
 - B. COLLATERAL DEAD LOAD OF 5 PSF.
 - C. SNOW, WIND, EARTHQUAKE, FLOOR LIVE LOAD, AND ROOF LIVE LOAD AS SHOWN IN "DESIGN LOADS" SECTION.
- LIMIT BUILDING DRIFT TO H100 UNDER LOAD COMBINATIONS THAT INCLUDE WIND. DRIFT LIMITATIONS FOR SEISMIC LOADINGS ARE DEFINED IN THE KENTUCKY BUILDING CODE. WHEREIF MASONRY CLADDING OCCURS, LIMIT BUILDING DRIFT TO H100.
- IN ADDITION TO THE BUILDING FRAME, THE PRE-ENGINEERED BUILDING CONTRACTOR SHALL DESIGN, PROVIDE, AND INSTALL:
 - A. ANCHOR BOLTS.
 - B. FRAMING FOR WALL OPENINGS.
 - C. FRAMING FOR ROOF OPENINGS (WHERE APPLICABLE).
- FOOTINGS ARE DESIGNED ASSUMING PINNED BASES. FIXED BASES ARE NOT PERMITTED.

INSPECTION

AN APPROVED INDEPENDENT TESTING LABORATORY, HIRED BY THE CONTRACTOR, SHALL PROVIDE INSPECTION AND TESTING SERVICES PER ASTM E202. REPORTS OF INSPECTION AND TESTING SHALL BE SENT TO THE ARCHITECT. SUCH INSPECTION AND TESTING SHALL INCLUDE:

- CONCRETE: MIX DATA, DAILY POUR REPORTS, CYLINDER TESTS, SLUMP, ENTRAINED AIR TESTS, AND TEMPERATURE.
- REINFORCEMENT: PLACEMENT, TYPE, AND SIZE.
- FOUNDATIONS: BEARING SURFACE AND BEARING CAPACITY.
- EARTH FILL: CERTIFICATION OF ALL FILL MATERIAL, AND IN-PLACE DENSITY TESTS.

SITE OBSERVATION BY THE STRUCTURAL ENGINEER

- THE ENGINEER HAS NO CONTROL, OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES; FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK; FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK; OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ACTS OR OMISSIONS OF THE CONTRACTOR, ANY SUBCONTRACTOR, MATERIAL SUPPLIER, OR AGENTS THEREOF. THE ENGINEER DOES NOT GUARANTEE THE PERFORMANCE OF THE CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM ITS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR APPLICABLE LAWS, CODES, RULES, OR REGULATIONS. THE CONTRACTOR SHALL MAINTAIN SOLE RESPONSIBILITY FOR DEFECTS AND DEFICIENCIES, INCLUDING PROVIDING TESTING AND INSPECTION ONCE SUCH ARE DISCOVERED, AND FOR PROVIDING ENGINEERED CORRECTIVE ACTION FOR DESIGN TEAM REVIEW.
- PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF BROWN-KUBICAN, PSC IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY, QUANTITY, OR ACCURACY OF THE CONSTRUCTION WORK, BUT RATHER PERIODIC IN EFFORT TO INFORM THE CLIENT ABOUT GENERAL PROGRESS AND TO ADVISE THE CLIENT ABOUT OBSERVED DEFECTS AND DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

ROOF, FLOOR, OR WALL OPENINGS

- THE CONTRACTOR SHALL VERIFY AND COORDINATE THE NUMBER, SIZE, AND LOCATION OF ALL SLEEVES AND OPENINGS REQUIRED FOR MECHANICAL OR ELECTRICAL ITEMS.
- SLEEVES AND OPENINGS SHALL BE LOCATED IN A MANNER THAT WILL MAINTAIN THE STRUCTURAL INTEGRITY OF THE ROOF, FLOOR, OR WALL SYSTEM.
- NO STRUCTURAL ELEMENTS ARE TO BE CUT UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.

MAINTENANCE STATEMENT AND STRUCTURE LIFESPAN

- THE ENGINEER MAKES NO CLAIM OR AGREEMENT AS TO THE LIFESPAN OF THE BUILDING STRUCTURE. THE CLIENT AND OWNER SHALL UNDERSTAND THAT STRUCTURAL TYPES DO HAVE LIFESPAN RELATIVE TO INITIAL COST AND MAINTENANCE AND THAT BY REQUESTING OR ACCEPTING A STRUCTURAL SYSTEM OF LOWER INITIAL COST THAT THE USABLE LIFESPAN WILL DECREASE AND MAINTENANCE INCREASE.
- ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXTEND LIFESPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. THE ENGINEER SHALL NOT BE HELD LIABLE FOR MAINTENANCE REQUIREMENTS OR DETERIORATION RESULTING FROM LACK OF BUILDING MAINTENANCE.

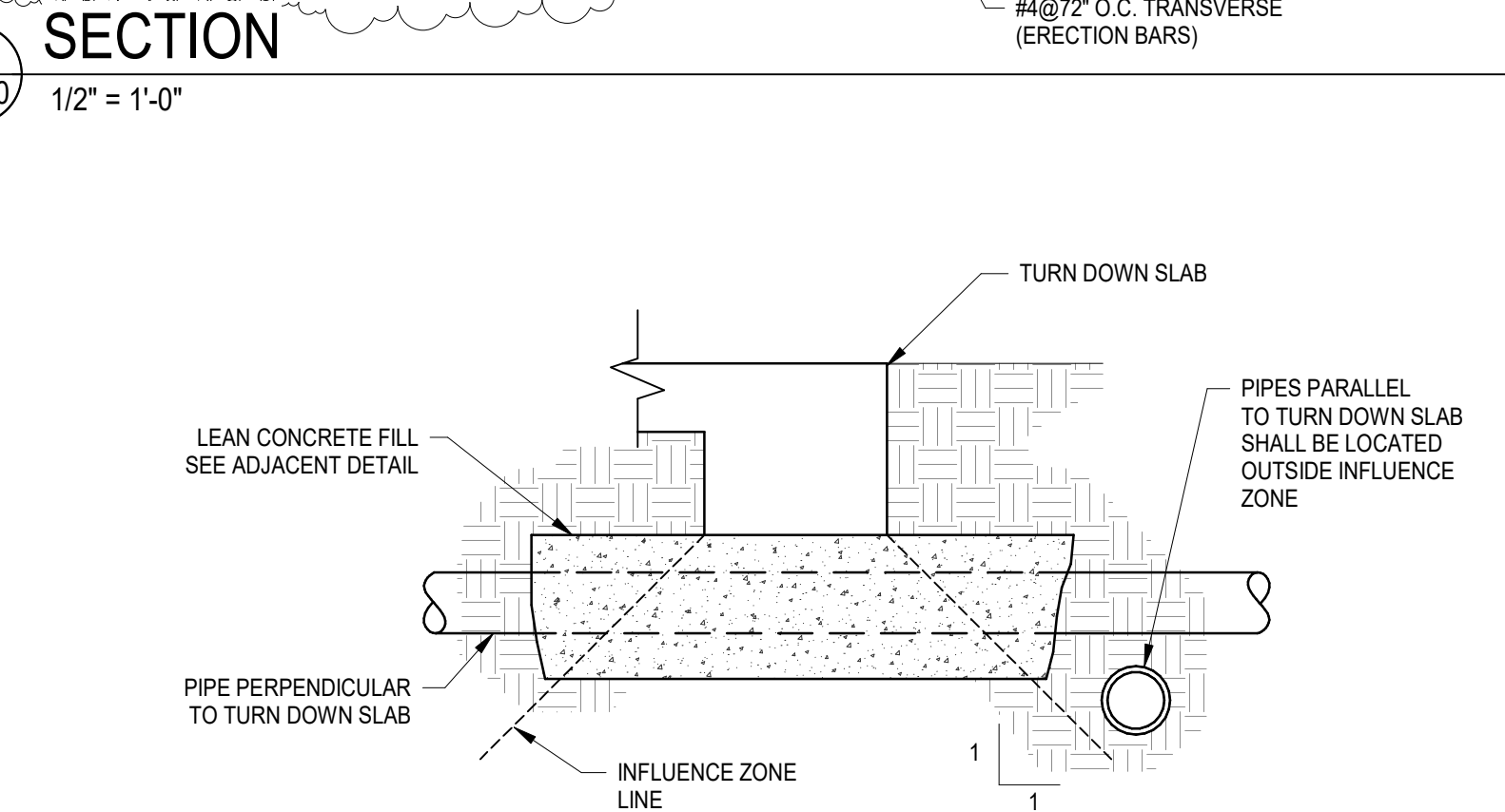
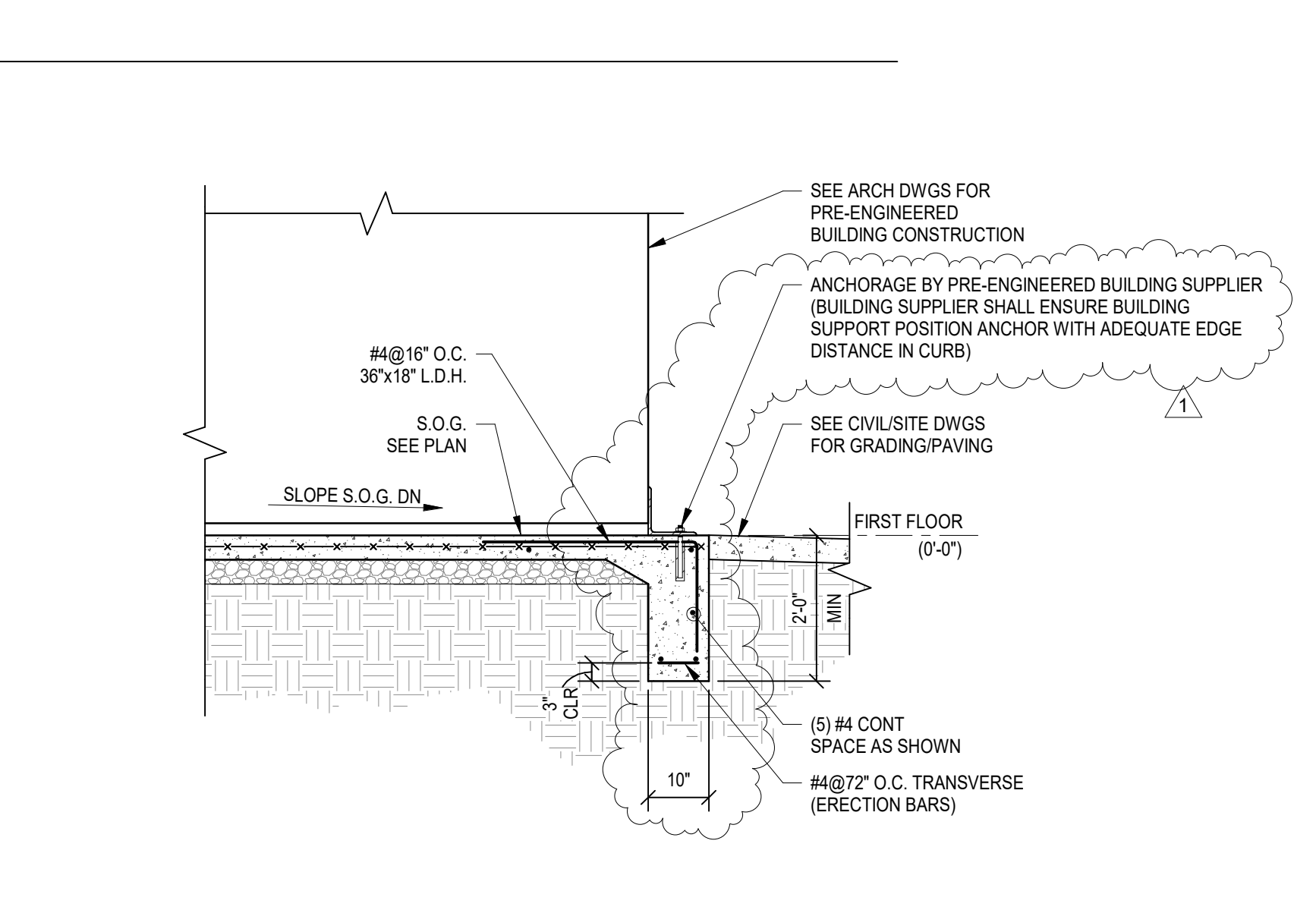
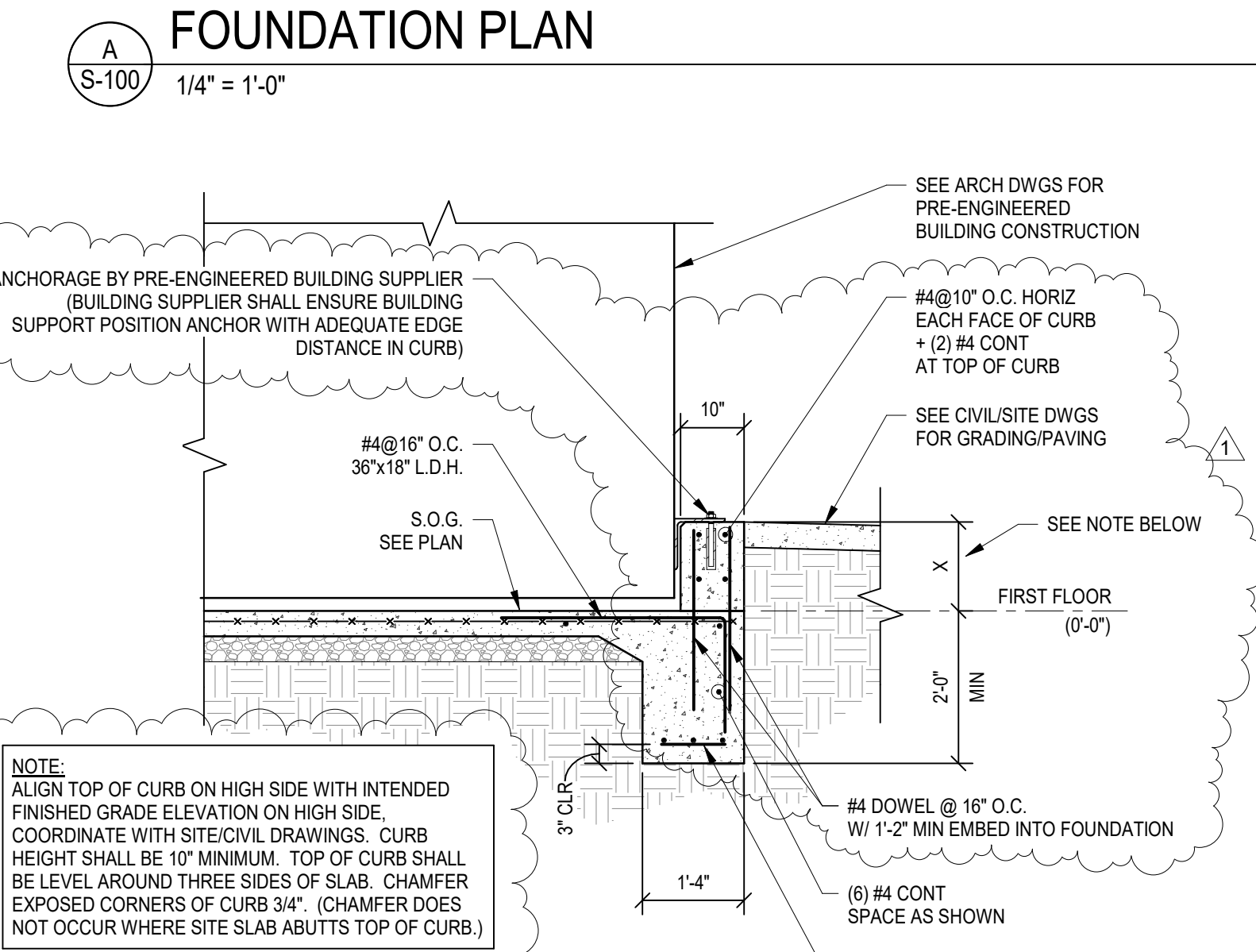
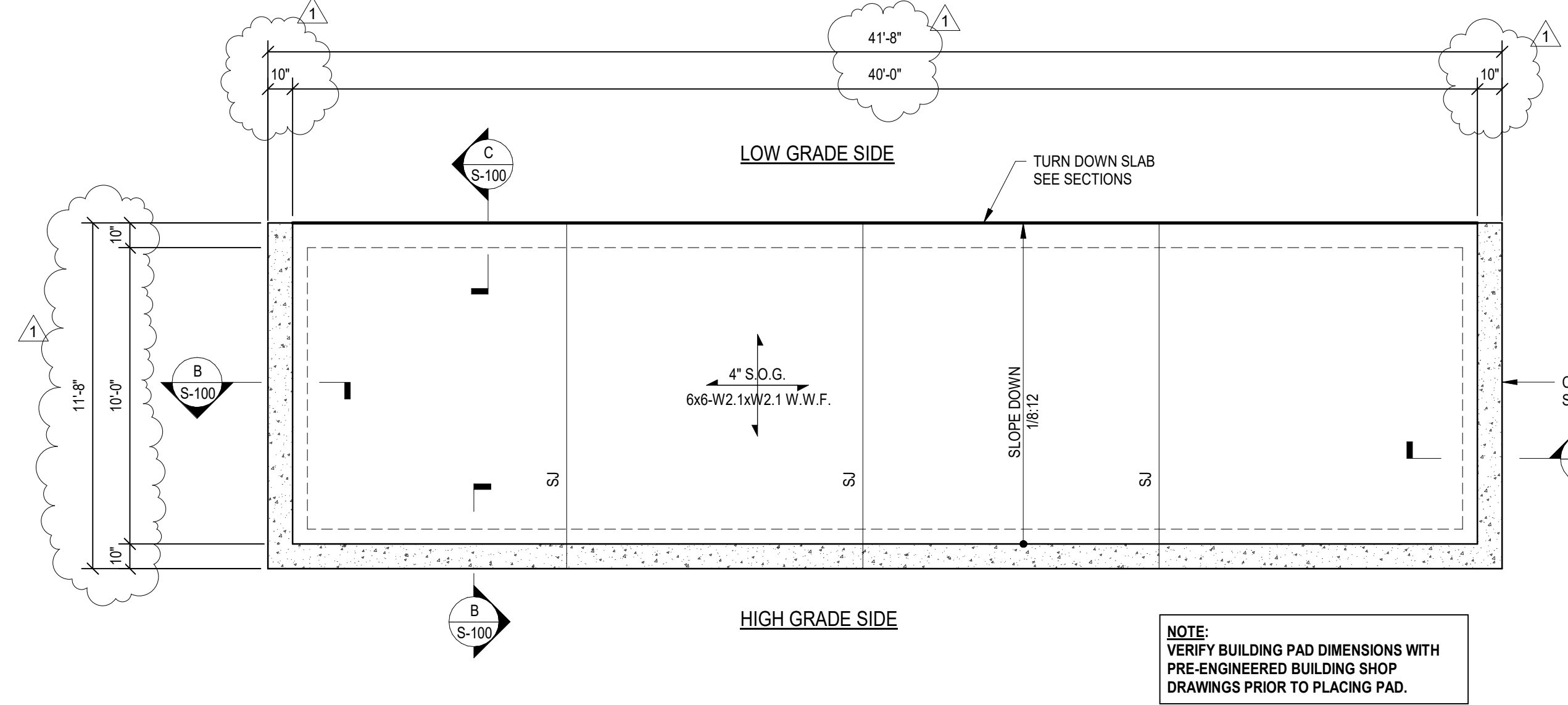
STRUCTURAL ABBREVIATIONS

ARCH	ARCHITECTURAL
BOT	BOTTOM
BTWN	BETWEEN
CLR	CLEAR
C.I.P.	CAST-IN-PLACE
C.M.U.	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
D	DEEP
D.G.A.	DENSE GRADED AGGREGATE
DET	DETAIL
DWG	DRAWINGS
EA	EACH
E.F.	EACH FACE
ELEV	ELEVATION
EMBED	MINIMUM EMBEDMENT DEPTH INTO SUBSTRATE
E.W.	EACH WAY
EXP	EXPANSION
F.F.E.	FINISHED FLOOR ELEVATION
F.S.	FACE SIDE
FTG	FOOTING
F.V.	FIELD VERIFY

GALV	GALVANIZED
GA	GAUGE
HORIZ	HORIZONTAL
LBS	POUNDS
L.D.H.	LONG DIMENSION HORIZONTAL
L.D.V.	LONG DIMENSION VERTICAL
MANUF	MANUFACTURER
MAX	MAXIMUM
MECH	MECHANICAL
M.E.P.	MECHANICAL/ELECTRICAL/PLUMBING
MIN	MINIMUM
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.P.H.	OPPOSITE HAND
PL	PLATE
R	RADIUS
REINF	REINFORCEMENT
SM	SIMILAR
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WIDE

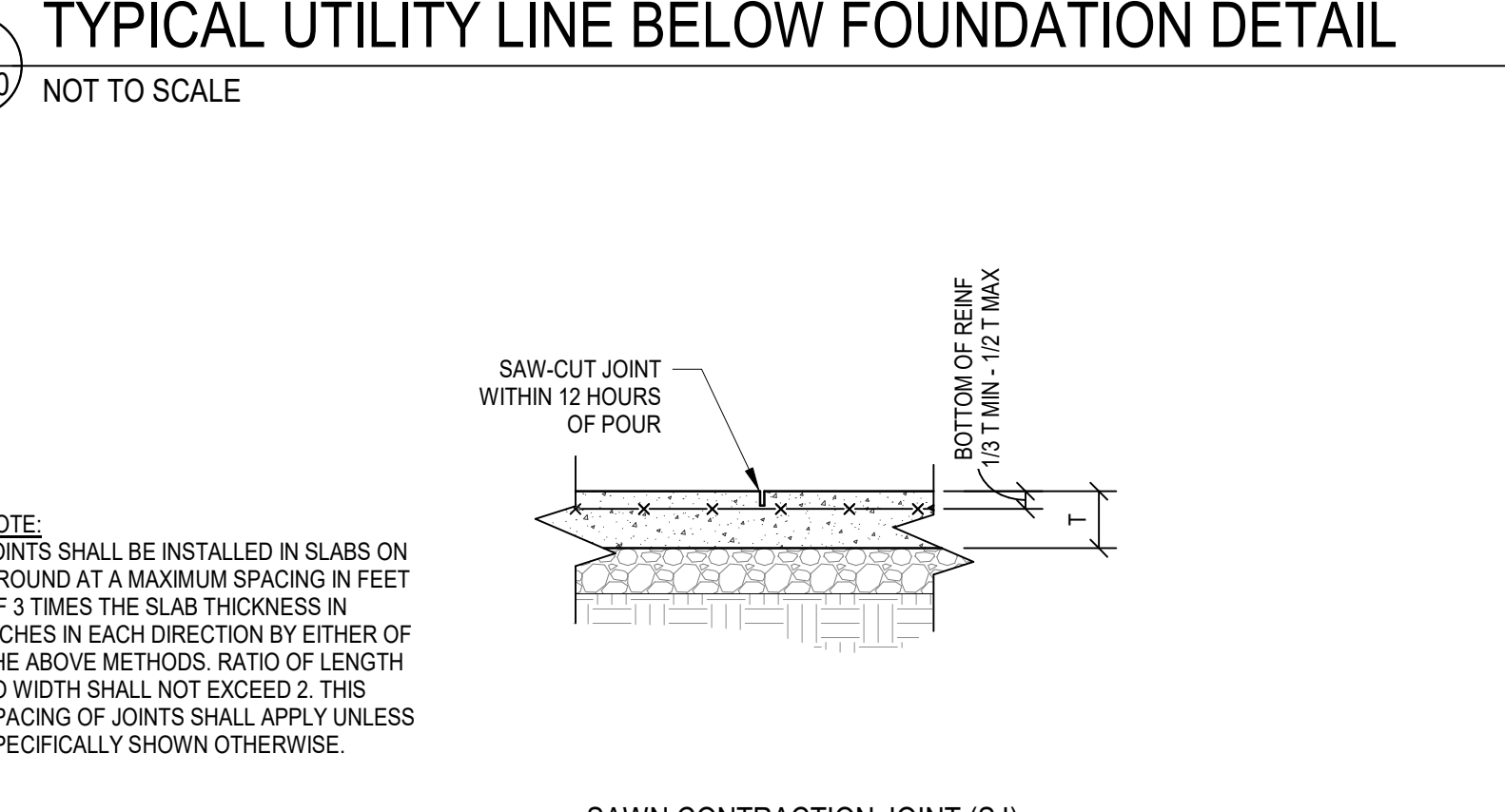
MATERIAL LEGEND

	CRUSHED STONE		DENSE GRADED AGGREGATE (DGA)
	NATIVE EARTH / ENGINEERED FILL		C.M.U. "IN SECTION"
	CONCRETE		MASONRY GROUT "IN SECTION"



INFLUENCE ZONE

TYPICAL UTILITY LINE BELOW FOUNDATION DETAIL



SLAB ON GROUND JOINT DETAIL



TYPICAL SLAB REINFORCEMENT AT FLOOR BOXES, TRENCH DRAINS, ETC DETAIL



FOUNDATION PLAN NOTES

- SLAB ON GRADE SHALL BE PLACED OVER 4" MINIMUM CONSOLIDATED CRUSHED STONE OR COMPACTED D.G.A.
- ALL TURN DOWN SLABS MUST BE SUPPORTED ON UNDISTURBED SOIL, CAPABLE OF SUPPORTING DESIGN LOADS WITHOUT APPRECIABLE SETTLEMENT.
- BUILDING SUPPLIER IS RESPONSIBLE FOR ALL COMPONENTS OF MEP SYSTEMS INCLUDING STRUCTURAL SUPPORT AND FOUNDATIONS DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF KENTUCKY.
- SLAB ON GRADE SHALL BE SLOPED FOR DRAINAGE. SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS, SLOPES, DRAIN LOCATIONS, ETC. REINFORCE SLABS AROUND INTERNAL DRAINS & PENETRATING ROOF DETAIL. FS-100.

FOUNDATION LEGEND

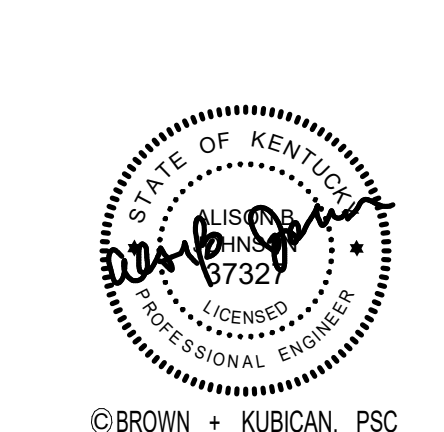
SJ = SAWN CONTRACTION JOINT. SEE DETAIL ES-100.

IMPORTANT BUILDING DELEGATED DESIGN NOTES:

- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ELEMENTS REQUIRED FOR COMPLETE BUILDING STRUCTURE SHALL BE DESIGNED, SUPPLIED, AND INSTALLED BY THE BUILDING DESIGN CONTRACTOR.
- CONCRETE FOUNDATION INSTALLER SHALL INSTALL EMBEDDED HARDWARE FOR BUILDING ATTACHMENT TO THE FOUNDATION. HARDWARE SHALL BE DESIGNED BY THE BUILDING MANUFACTURER AND COORDINATED BY THE CONSTRUCTION MANAGER.
- SEE ARCH DWGS FOR BUILDING ELEMENT ELEVATIONS AND LOCATIONS THAT ARE NOT SHOWN ON STRUCTURAL DWGS.
- SEE ARCH DWGS AND SPECIFICATIONS FOR INFORMATION ABOUT BUILDING COMPONENTS.



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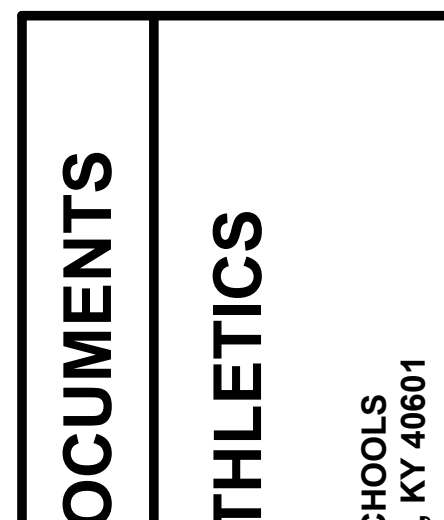
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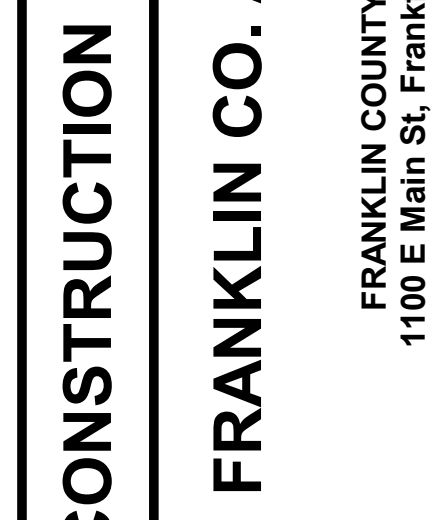
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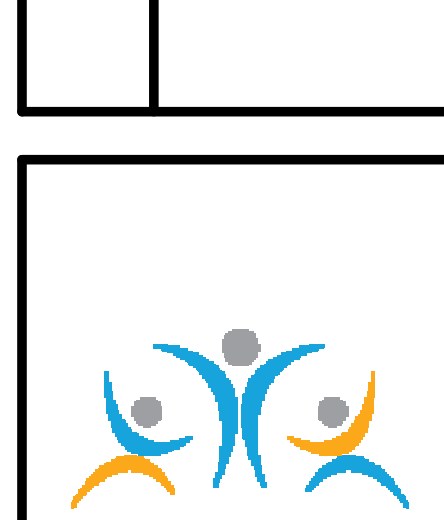
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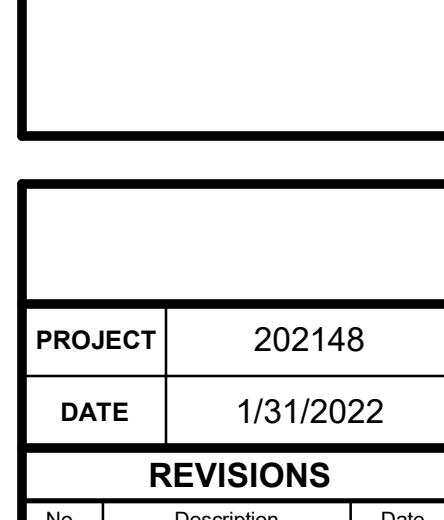
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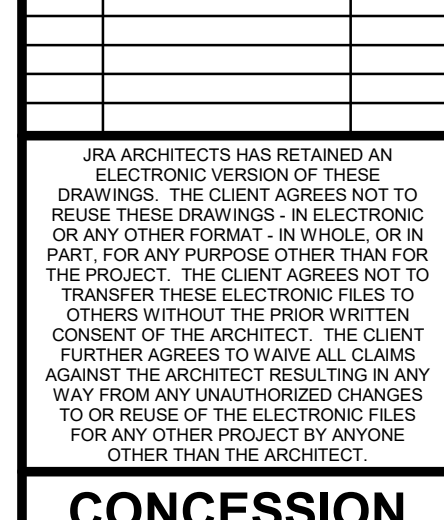
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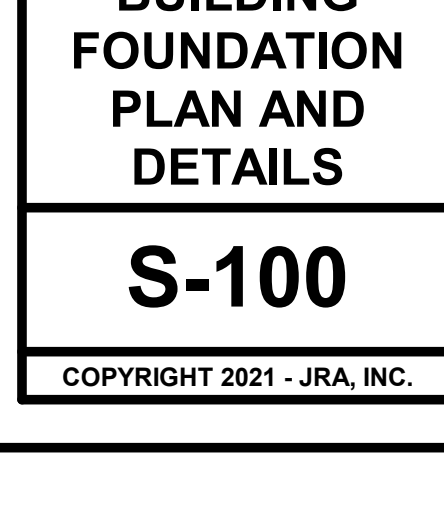
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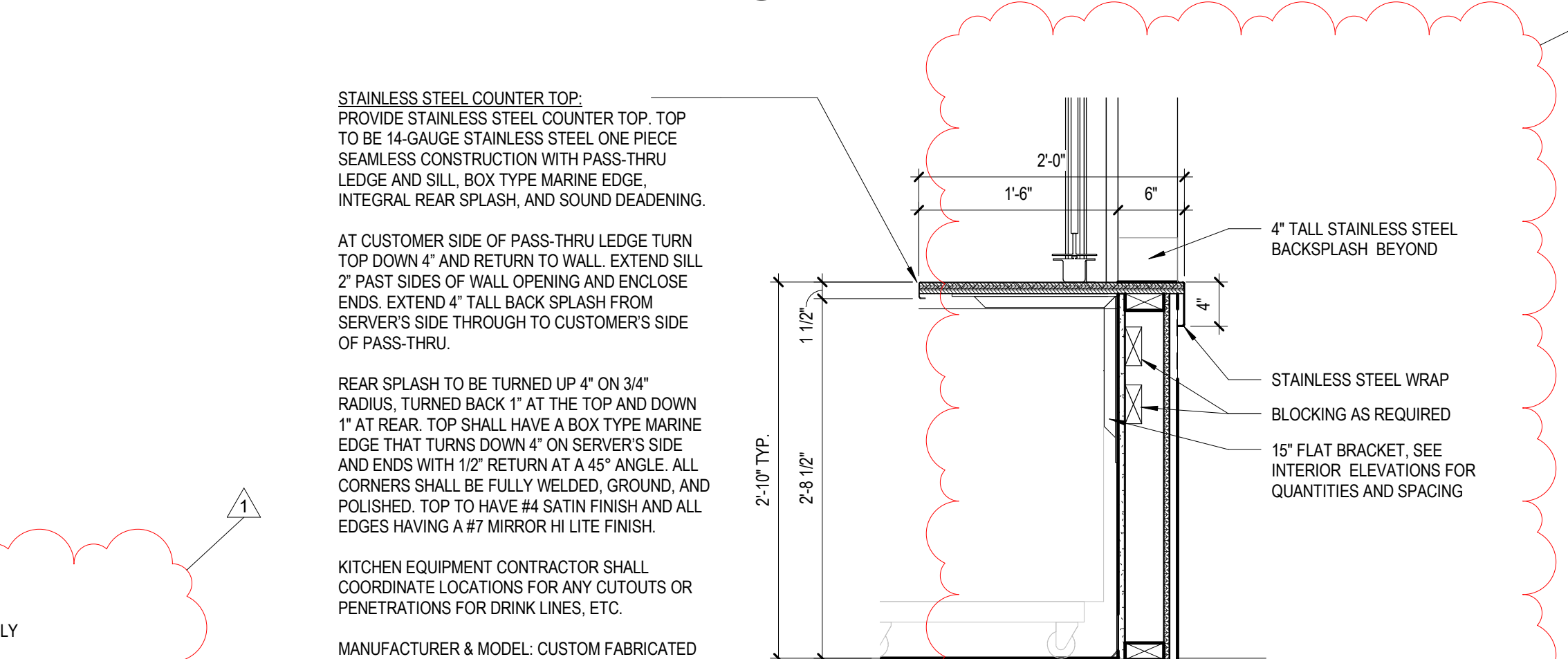
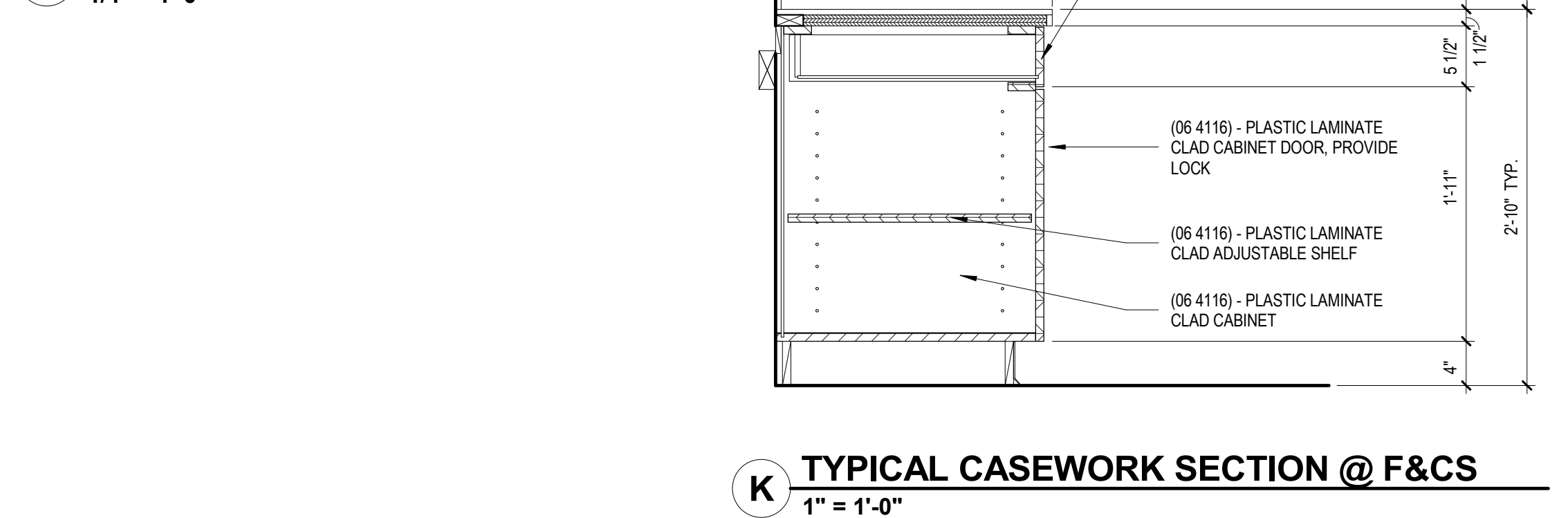
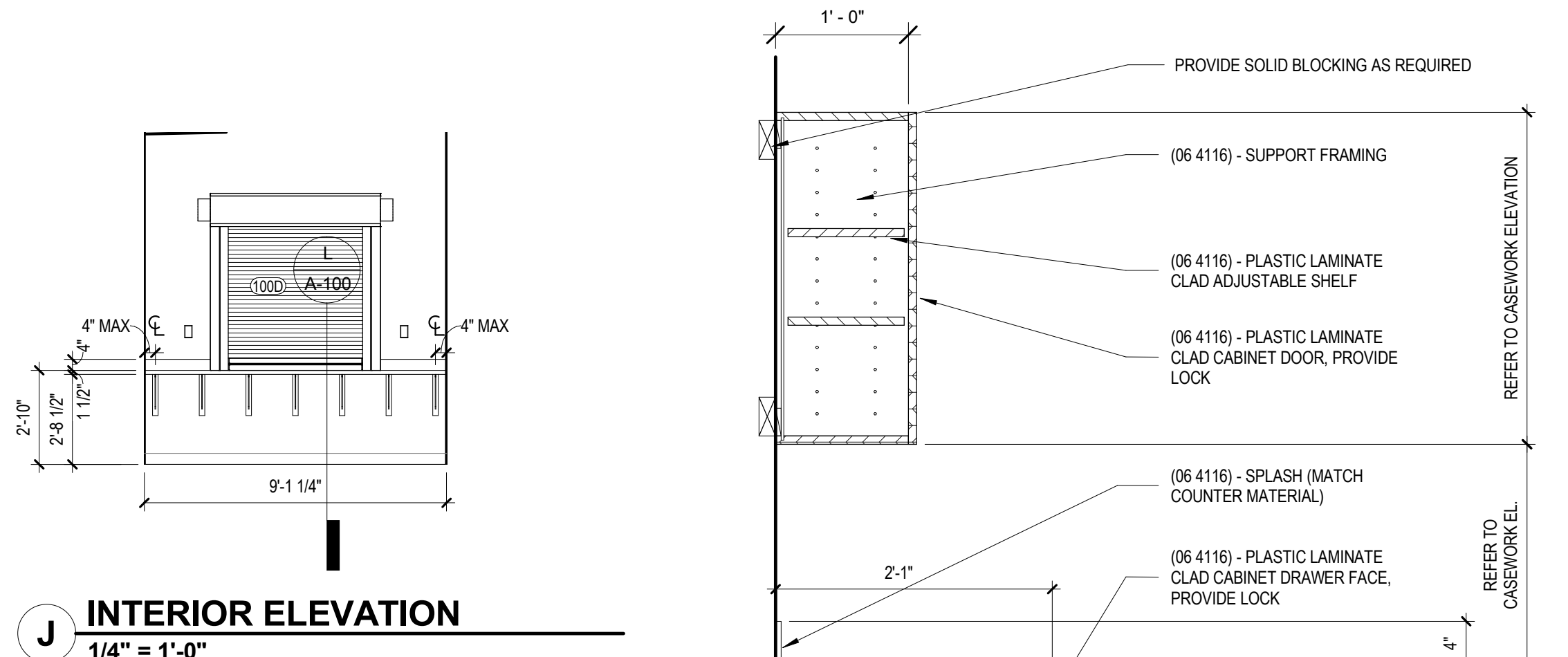
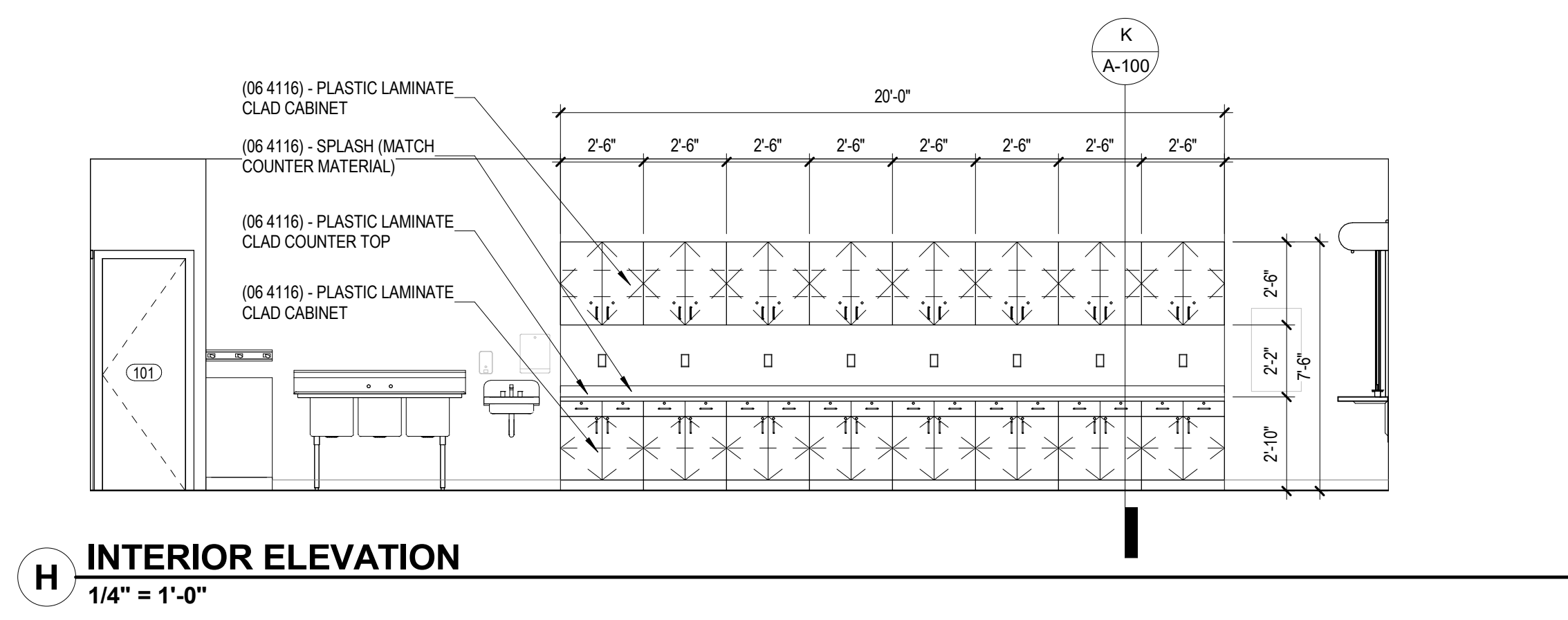
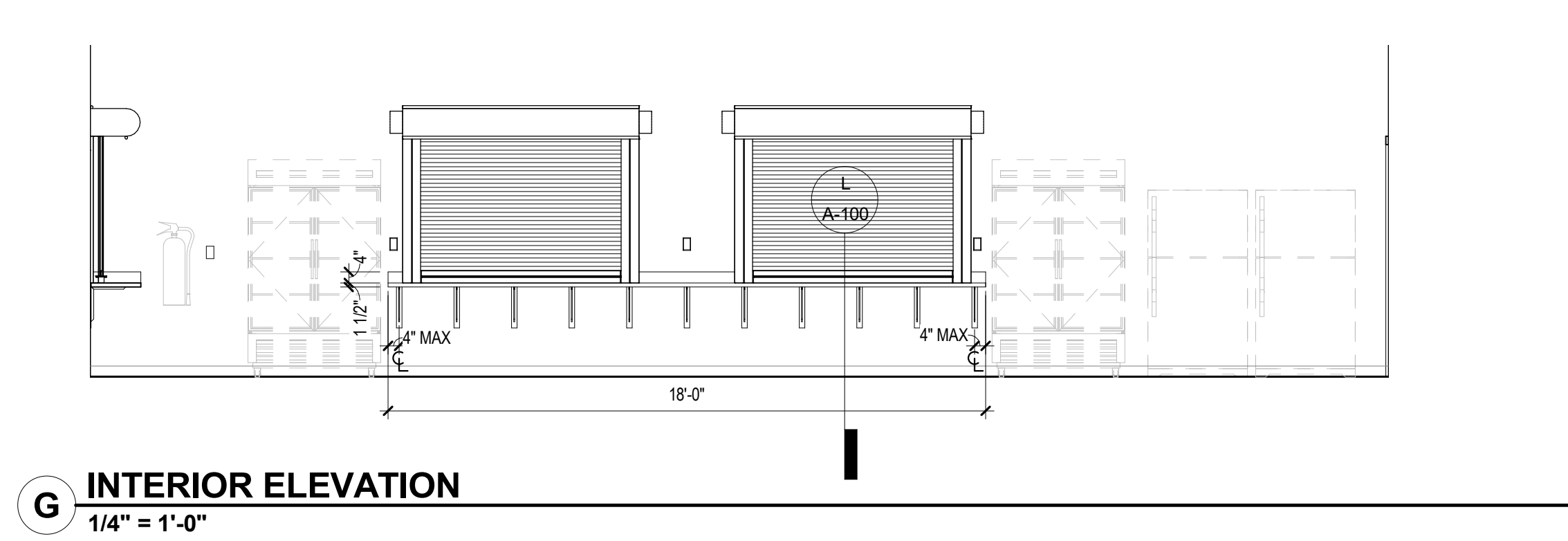
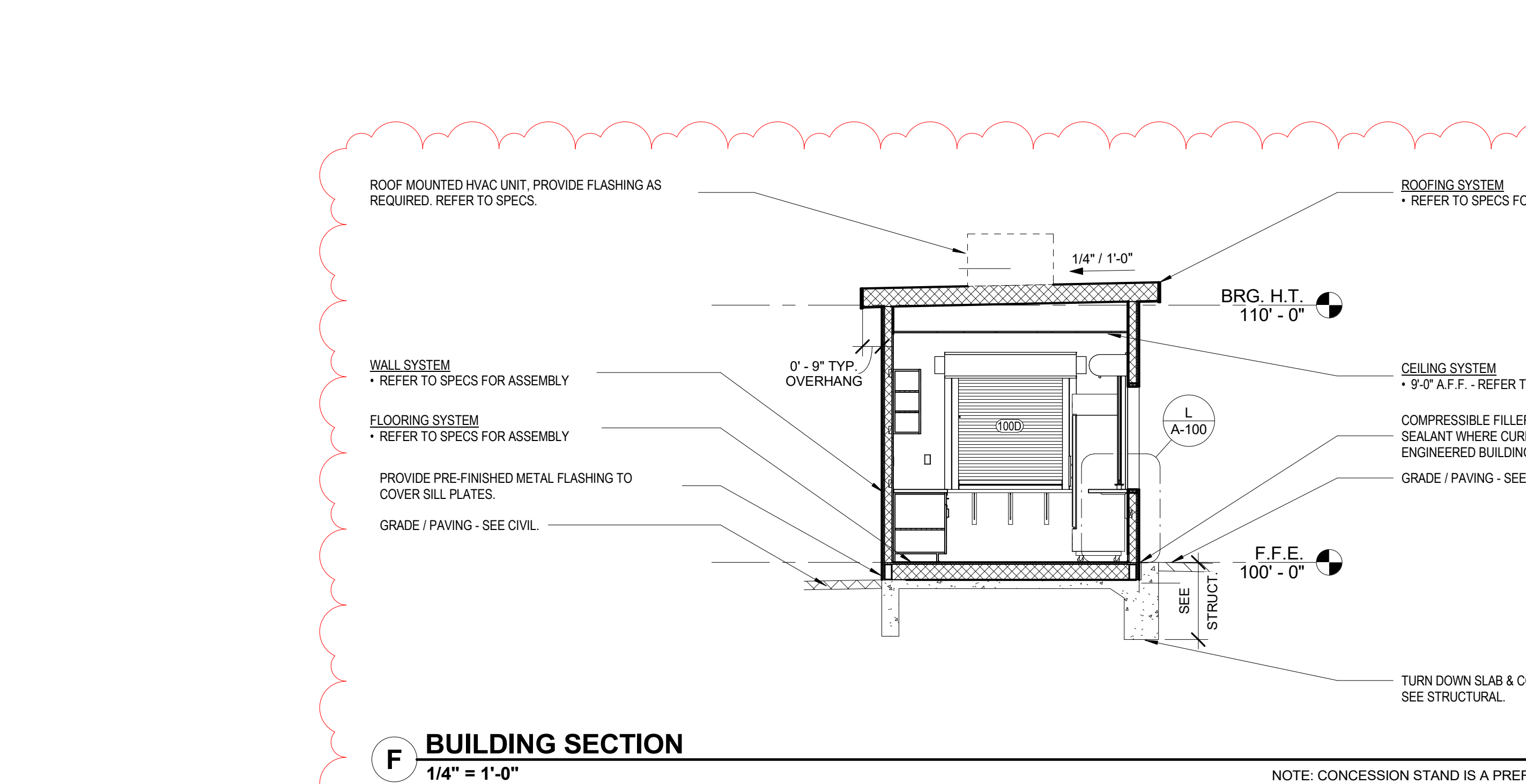
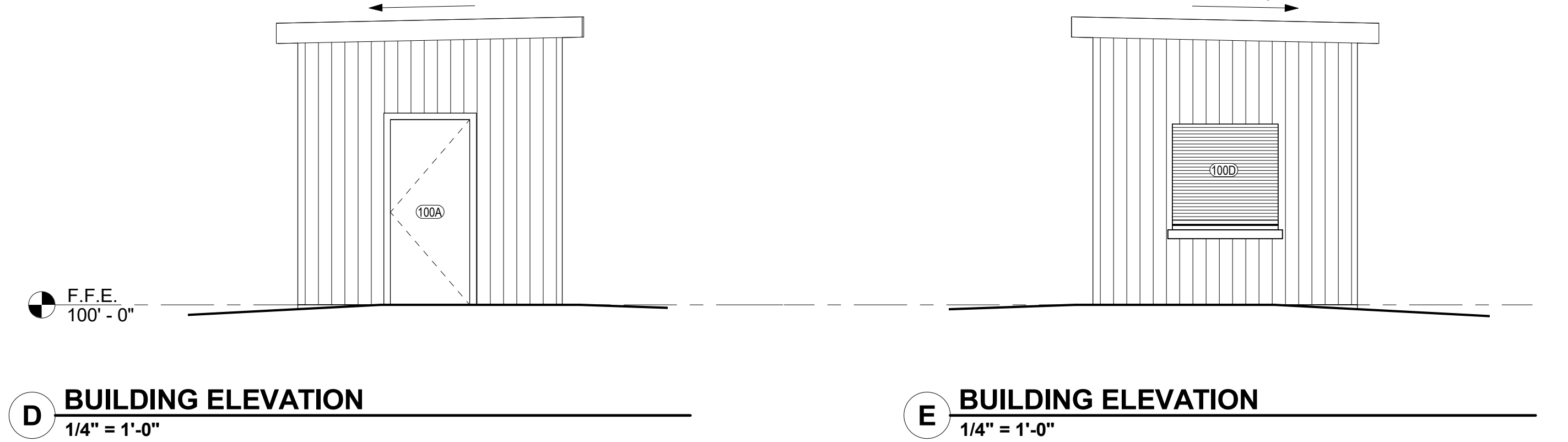
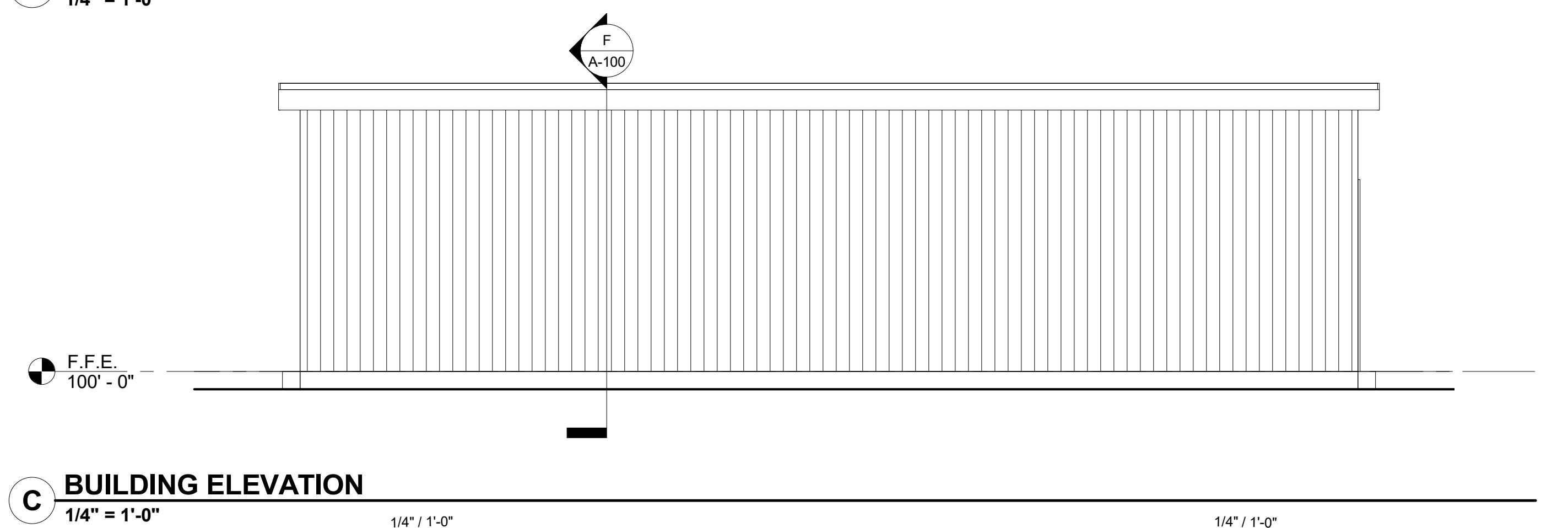
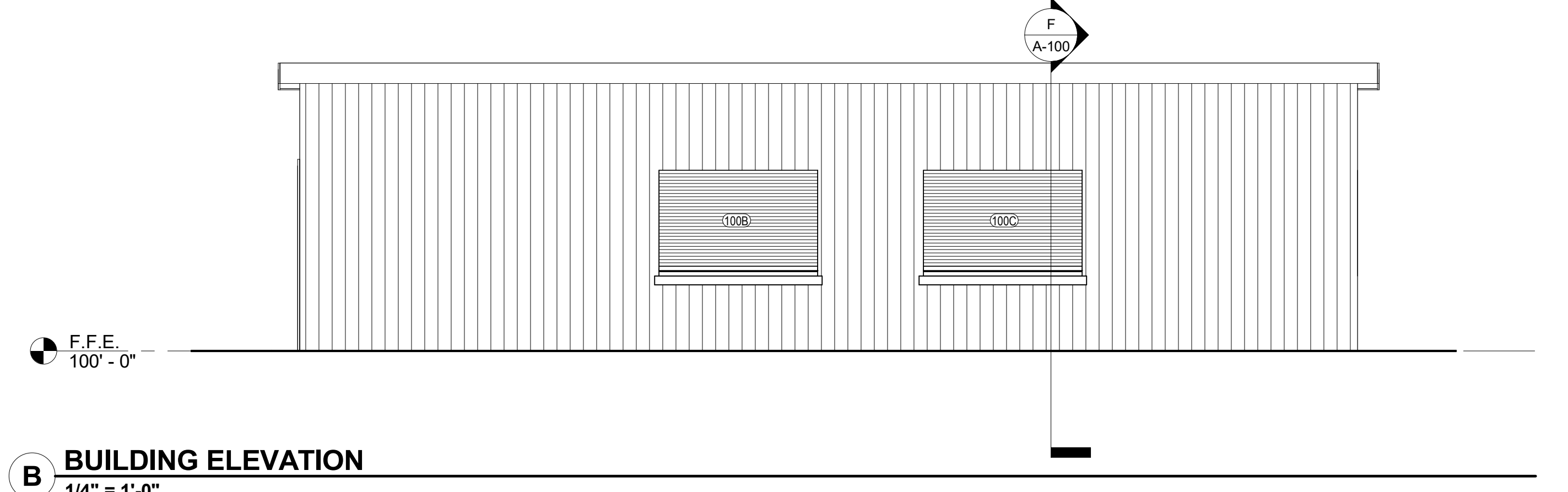
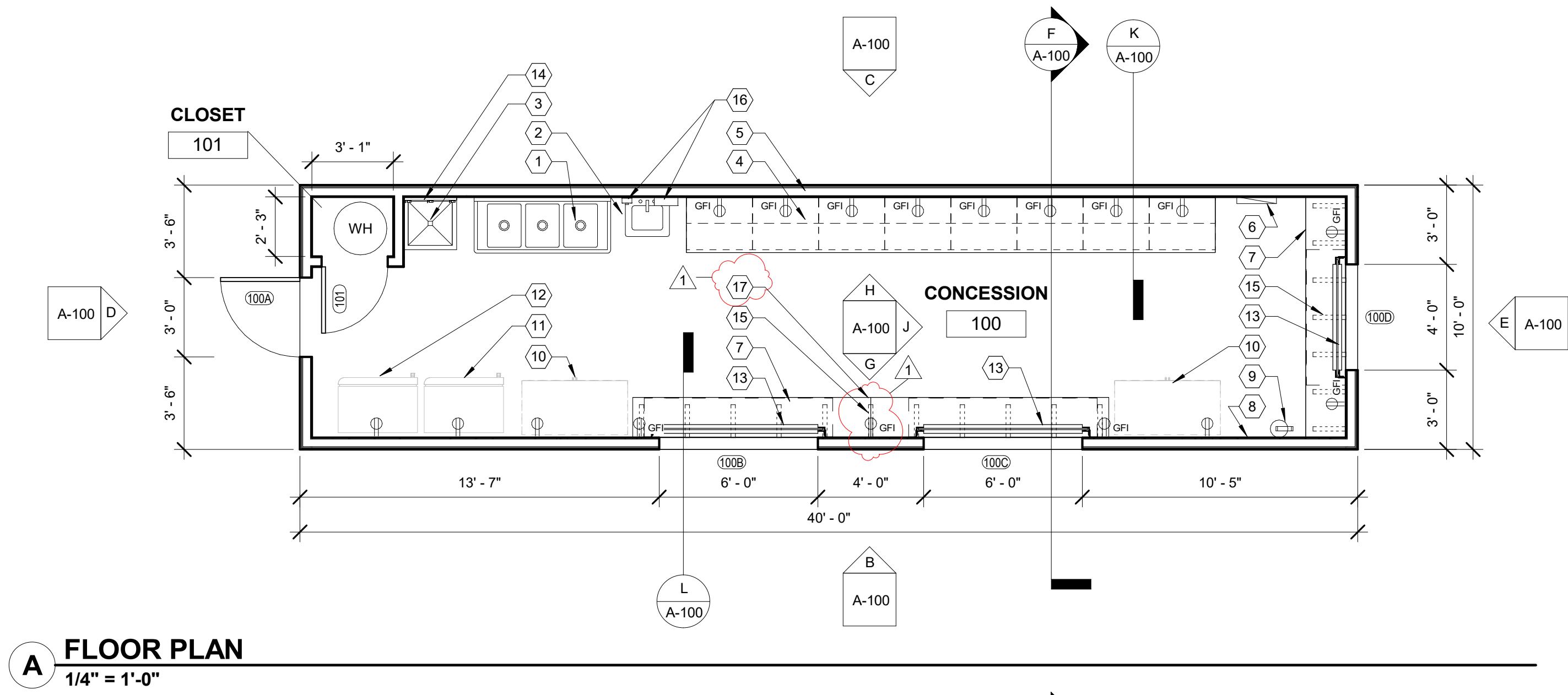
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L

COUNTER AT OVERHEAD DOOR

1" = 1'-0"

DOOR AND FRAME SCHEDULE

NO.	PAIR	DOORS			MAT'L	MAT'L	FRAMES			HARDWARE	REMARKS	
		WIDTH	HEIGHT	THICK			DETAILS	JAMB	HEAD			THRESH
100A		3'-0"	7'-0"	1 3/4"	STEEL	STEEL	--	--	--	YES	PROVIDE WEATHER STRIPPING AND LEVER HANDLED LOCK SET	
100B		6'-0"	4'-0"		ALUM.	ALUM.	--	--	--	--	COUNTER DOOR, MANUAL PUSH UP, PROVIDE LOCK	
100C		6'-0"	4'-0"		ALUM.	ALUM.	--	--	--	--	COUNTER DOOR, MANUAL PUSH UP, PROVIDE LOCK	
100D		4'-0"	4'-0"		ALUM.	ALUM.	--	--	--	--	COUNTER DOOR, MANUAL PUSH UP, PROVIDE LOCK	
101		2'-6"	7'-0"	1 3/4"	WOOD	WOOD	--	--	--	--	PROVIDE LEVER HANDLE	

FINISH MATERIAL SCHEDULE - BASIS-OF-DESIGN MATERIALS							REMARKS
KEY NAME	SPEC	MATERIAL TYPE	MANUFACTURER	SIZE	PRODUCT NAME	MODEL / NUMBER	
6- CASEWORK & TRIM							
L-1	06 4116	PLASTIC LAMINATE	FORMICA	--	PLASTIC LAMINATE	DOVER WHITE 7197-58	MATTE FINISH CABINET FRONTS AND CASEWORK BODY
L-2	06 4116	PLASTIC LAMINATE	FORMICA	--	PLASTIC LAMINATE	NAVY BLUE 969-58	COUNTERTOP

- PLAN KEYNOTES**
- THREE COMPARTMENT STAINLESS STEEL SINK, 16" WIDE BOWLS. PROVIDE GREASE TRAP.
 - PROVIDE HAND SINK
 - 24"X24" MOP SINK
 - (8) 30" WALL CABINETS W/ LOCKS
 - (8) 30" WALL CABINETS W/ LOCKS
 - ELECTRICAL PANEL
 - 18" DEEP STAINLESS STEEL COUNTERTOP, 34" A.F.F. MAX
 - PROVIDE DATA AND PHONE OUTLET
 - OWNER PROVIDED BRACKET MOUNTED ABC FIRE EXTINGUISHER
 - BEV COOLER - BY OWNER
 - REFRIGERATOR - BY OWNER
 - FREEZER - BY OWNER
 - ALUMINUM OVERHEAD COUNTER COILING DOOR - PUSH UP OPERATED
 - WALL MOUNTED MOP AND BROOM HOLDER
 - DASHED LINE REPRESENTS 15" FLAT BRACKET BELOW
 - OWNER PROVIDED WALL MOUNTED PAPER TOWEL DISPENSER AND SOAP DISPENSER
 - LINE REPRESENTS BEAM IN STAINLESS STEEL COUNTERTOP. PROVIDE SMOOTH AND FLUSH TRANSITION.

No.	Description	Date
1	ADDENDUM #1	02-28-22

JRA ARCHITECTS HAS RETAINED AN ELECTRONIC VERSION OF THESE DRAWINGS. THE CLIENT AGREES NOT TO REUSE THESE DRAWINGS IN ELECTRONIC OR ANY OTHER FORMAT IN WHOLE OR IN PART FOR ANY PROJECT OTHER THAN FOR THE PROJECT. THE CLIENT AGREES NOT TO TRANSMIT THESE ELECTRONIC FILES TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF THE ARCHITECT. THE CLIENT FURTHER AGREES TO WAIVE ALL CLAIMS AGAINST THE ARCHITECT RESULTING IN ANY WAY FROM ANY UNAUTHORIZED CHANGES TO OR RELIANCE OF THE ELECTRONIC FILES FOR ANY OTHER PROJECT BY ANYONE OTHER THAN THE ARCHITECT.