

PROJECT ISSUES:

SCHEMATIC DESIGN:	6/25/2023
DESIGN DEVELOPMENT:	8/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023
REVISION 1 -	2/20/24 CIVIL ONLY
REVISION 2 -	2/28/24 RFI REVISIONS
REVISION 3 -	3/21/24 CP COMMENTS
CONFORMANCE SET	4/16/2024

- STRUCTURAL STEEL NOTES**
- REFERENCE STANDARDS: STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AISC STEEL CONSTRUCTION MANUAL AND THE AISC CODE OF STANDARD PRACTICE (REFERENCED EDITION) WITH EXCEPTION NOTED IN THE PROJECT SPECIFICATIONS.
 - OSHA REQUIREMENTS:
 - THE CONTRACTOR SHALL PROVIDE ADDITIONAL ANCHORS, BOLTS, STABILIZERS, STIFFENERS, BRIDGING, BRACING, ETC. AS NECESSARY TO COMPLY WITH CURRENT OSHA REGULATIONS.
 - THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING TO INSURE A STABLE STRUCTURE DURING THE INSTALLATION OF STRUCTURAL STEEL MEMBERS.
 - MATERIAL REQUIREMENTS OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS U.N.O.
 - WIDE FLANGE SHAPES ASTM 992, GRADE 50
 - ANGLES, CHANNELS, AND PLATES ASTM A36 OR ASTM A572, GRADE 50
 - HSS SECTIONS ASTM A500, GRADE "B" (Fy = 46KSI)
 - HIGH STRENGTH BOLTS ASTM A325 OR ASTM A490
 - ANCHOR BOLTS ASTM F1554, GRADE 36 (WELDABLE)
 - WELDING ELECTRODES AWS D1.1 E70
 - USE STRUCTURAL STEEL THAT IS FULLY WELDABLE INCLUDING WHEN WELDING BETWEEN DIFFERENT GRADES OF STEEL. SHOP WELDING SHALL BE UTILIZED IN LIEU OF FIELD WELDING WHEN OBTAINABLE.
 - ALL SHOP AND FIELD WELDING SHALL CONFORM TO THE STRUCTURAL WELDING CODE AWS D1.1 LATEST EDITION, PUBLISHED BY THE AMERICAN WELDING SOCIETY (AWS). USE ELECTRODES CONFORMING TO AWS D1.1 E70 SERIES, U.N.O. SHOW ALL SHOP WELDS ON THE FABRICATION DRAWINGS AND ALL FIELD WELDS ON THE ERECTION DRAWINGS. WELD SIZES AND LENGTHS ARE SHOWN ON THE DRAWINGS. WELD SIZES ARE THE NET EFFECTIVE SIZE REQUIRED. INCREASE THE WIDTH OF THE WELD IF A GAP EXISTS AT FAYING SURFACES. MINIMUM FILLET WELD SIZE IS 3/16".
 - ALL SHOP AND FIELD WELDERS, WELDING OPERATORS, AND TACKERS SHALL BE CERTIFIED ACCORDING TO AWS PROCEDURES AND HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS. CERTIFICATION MUST BE CURRENT.
 - ALL JOINT WELDING PROCEDURES TO BE USED SHALL BE PREPARED BY THE FABRICATOR OR CONTRACTOR AS WRITTEN PROCEDURE SPECIFICATIONS AND SUBMITTED TO THE ARCHITECT/ENGINEER FOR THEIR RECORD. ALL JOINT WELDING PROCEDURES SHALL BE QUALIFIED PRIOR TO USE ACCORDING TO AWS PROCEDURES.
 - A325 BOLTS:
 - A325 BOLTS SHALL CONFORM TO ASTM A 325 TYPE 1, HIGH STRENGTH BOLTS FOR STRUCTURAL STEEL JOINTS. DO NOT USE TYPE 2 BOLTS.
 - PROVIDE HARDENED WASHERS CONFORMING TO ASTM F 436. PLACE HARDENED WASHERS UNDER PART BEING TURNED.
 - LOAD INDICATOR WASHERS OR TENSION CONTROLLED BOLTS SHALL BE USED ON ALL A325 BOLTS.
 - ALL BOLTS SHALL BE NEW AND DOMESTICALLY MANUFACTURED. DO NOT REUSE BOLTS. USE ONLY NON-GALVANIZED NUTS AND BOLTS THAT ARE CLEAN, RUST-FREE, AND WELL LUBRICATED. BOLTS AND NUTS SHALL BE WAX DIPPED BY THE BOLT SUPPLIER OR LUBRICATED WITH JOHNSON'S STICK WAX 140.
 - FIELD MODIFICATION OF STRUCTURAL STEEL SHALL NOT BE CUT IN FIELD OR MODIFIED WITHOUT PRIOR APPROVAL OF THE ENGINEER. SPlicing STEEL MEMBERS IS NOT PERMITTED EXCEPT WHERE EXPLICITLY SHOWN ON THE STRUCTURAL DRAWINGS OR WHERE APPROVED BY THE ENGINEER OF RECORD. SPLICES SHALL NOT OCCUR AT LOCATIONS OF MAXIMUM STRESS AND SHALL DEVELOP THE FULL CAPACITY OF THE MEMBER. SPLICE DETAILS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BEGINNING WORK.
 - WHEN HOLES ARE REQUIRED IN METAL SURFACE, THEY SHALL BE CUT, DRILLED, OR PUNCHED HOLES PERPENDICULAR TO METAL SURFACE. IN NO INSTANCE IS IT ADEQUATE TO USE A FLAME TO CUT OR ENLARGE HOLES IN STRUCTURAL STEEL MEMBERS.
 - THE STEEL SUPPLIER SHALL PROVIDE ALL MISCELLANEOUS STRUCTURAL STEEL ITEMS NECESSARY TO FULFILL THE INTENT OF THE STRUCTURAL DRAWINGS WHETHER OR NOT THESE ITEMS ARE SHOWN ON THE STRUCTURAL DRAWINGS. SUCH ITEMS MAY INCLUDE BUT ARE NOT LIMITED TO EDGE ANGLES, CLOSURE PLATES, AND DECK SUPPORT FRAMING.
 - ALL EXTERIOR EXPOSED STEEL SHALL BE HOT DIP GALVANIZED. WHEN WELDING GALVANIZED MATERIAL, REMOVE GALVANIZATION BY GRINDING, WELD, THEN APPLY A MINIMUM OF TWO COATS OF COLD GALVANIZATION TO WELDED ASSEMBLY.
 - ALL STRUCTURAL STEEL SHALL BE PRIME PAINTED WITH A MINIMUM DRY FILM THICKNESS OF 2.0 MILS. FINAL ASSEMBLY TO BE PAINTED PER ARCH. DETAILS.
 - SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL MISCELLANEOUS STEEL THAT WILL BE REQUIRED.

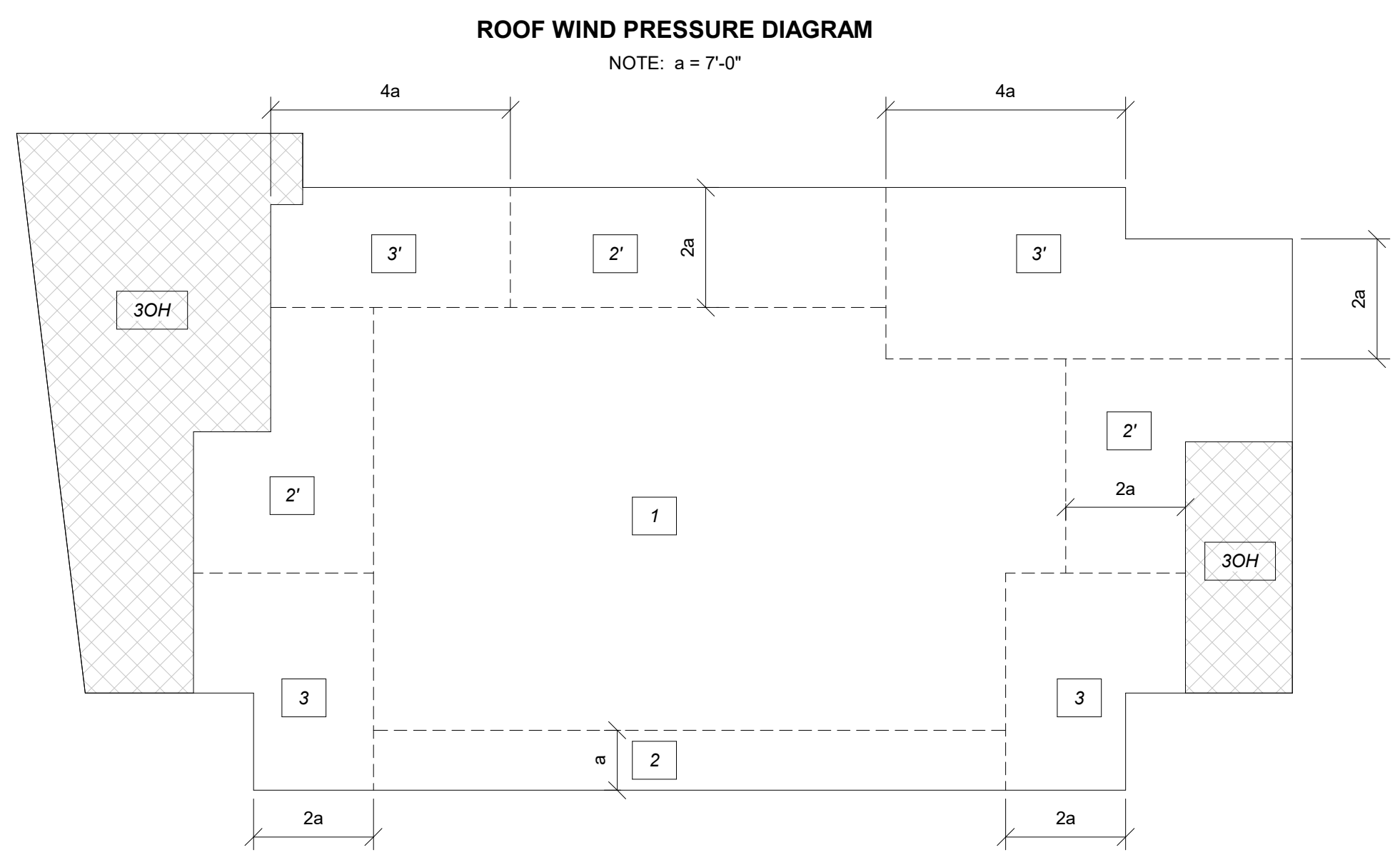
- STEEL JOISTS**
- STEEL JOISTS SHALL BE DESIGNED, FABRICATED, AND ERRECTED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE (SJI). K-SERIES JOISTS SHALL HAVE MINIMUM Fy=50 KSI.
 - CONTRACTOR SHALL PROVIDE NECESSARY OSHA SAFETY FEATURES WHEN ATTACHING JOISTS TO BEAMS ADJACENT TO COLUMNS.
 - IF THE FLANGE OF A BEAM SUPPORTING JOISTS IS TOO NARROW TO PROVIDE MINIMUM LENGTH OF BEARING WHEN THE JOISTS ENDS ARE ALIGNED, THE JOISTS SHALL BE OFFSET TO PROVIDE FULL BEARING ON A BEAM FLANGE PER SJI REQUIREMENTS.
 - STEEL JOIST MANUFACTURER SHALL SUBMIT ERECTION AND SHOP DRAWINGS SHOWING JOIST LOCATIONS, BRIDGING, CONNECTIONS AND DETAILS. SPECIAL AND EXTENDED ENDS (WHEN APPLICABLE).
 - JOISTS SHALL BE STORED PROPERLY ON DRY AND LEVEL GROUND, SO THAT DEFORMATION OF THE JOIST DOES NOT OCCUR. IN INSTANCES WHERE JOISTS ARE DAMAGED, THEY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - ALL JOIST SHALL BE PAINTED WITH A GRAY RUST INHIBITIVE PRIMER, UNLESS NOTED OTHERWISE BY THE ARCHITECT.
 - STEEL JOIST BEARING AT EXTERIOR BEAMS SHALL BE DESIGNED TO RESIST 1,000 POUNDS LATERAL FORCE PERPENDICULAR TO K-SERIES JOISTS AND 1,400 POUNDS PARALLEL FORCE TO K-SERIES JOIST (IN PLANE OF THE JOIST, EXTERIOR WIND PRESSURES ACTING ON WALL).
 - ANY SINGLE PANEL POINT OF THE LOWER CHORD OF JOISTS MUST BE CAPABLE OF SAFELY SUPPORTING A SUSPENDED CONCENTRATED LOAD OF 400 POUNDS IN ADDITION TO OTHER LOADS. ROOF JOISTS SHALL HAVE SUFFICIENT CAPACITY TO SUPPORT 400 LB POINT LOAD POINT FOR MECHANICAL UNITS. POINT LOADS SHALL BE DETERMINED BY EQUIPMENT PLANS.
 - JOIST SEATS SHALL EXTEND A DISTANCE OF NOT LESS THAN 5" OVER 8" MASONRY OR CONCRETE SUPPORTS AND CONNECT TO STEEL EMBED PLATES.
 - UNLESS NOTED ON PLANS, DESIGN OF JOIST K-SERIES STEEL JOISTS SHALL BE CONNECTED TO STEEL BY 1/8" WELD, 3" LONG EACH SIDE.
 - BRIDGING SHALL BE PROVIDED IN ACCORDANCE WITH S.J.I. REQUIREMENTS.
 - HORIZONTAL BRIDGING SHALL BE AN ANGLE AT TOP AND BOTTOM, DESIGNED FOR L/R LESS THAN OR EQUAL TO 300.
 - DIAGONAL BRIDGING SHALL BE AN ANGLE DESIGNED FOR L/R LESS THAN OR EQUAL TO 200.
 - UNLESS NOTED, 2ND AND 3RD JOIST SPACES FROM WALLS AND 1ST AND 2ND JOIST SPACES FROM DISCONTINUITIES SHALL HAVE CROSS BRIDGING (TO BE ALIGNED WITH HORIZONTAL BRIDGING).
 - JOIST BRIDGING SHALL NOT BE USED TO SUPPORT EQUIPMENT, PIPING, CONDUITS, DUCTWORK, ETC.
 - WHERE FIELD WELDING IS REQUIRED AT TOP OR BOTTOM CHORDS OF JOISTS, TEMPORARILY SHORE AT EACH SIDE OF WELDING LOCATION.
 - SEE MECHANICAL DRAWINGS FOR DUCT LOCATIONS. DUCTS MAY TRANSVERSE THROUGH JOIST WEBS, SEE MECHANICAL DRAWINGS JOIST MANUFACTURER SHALL ACCOUNT FOR SIZE AND ADDITIONAL LOADING.
 - ALL JOIST SEATS SHALL BE 5" DEEP.

- CONCRETE MASONRY UNITS (CMU) NOTES**
- ALL MASONRY WORK SHALL CONFORM TO TMS 402/602 SPECIFICATION FOR MASONRY STRUCTURES.
 - CONSTRUCT REINFORCED MASONRY AS NOTED ON THE PLANS AND DETAILS IN ACCORDANCE WITH THE REQUIREMENTS OF MASONRY SPECIFICATION SECTIONS.
 - CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM SPECIFICATIONS ASTM C90. THE MINIMUM NET COMPRESSIVE STRENGTH OF MASONRY UNITS SHALL BE 2000 PSI (fm=1500 PSI FOR MASONRY SYSTEM). PERFORM fm AND C90 COMPLIANCE BY UNIT TEST METHOD. USE ONLY MASONRY UNITS THAT ARE A MIN. OF 50% SOLID.
 - MORTAR SHALL CONFORM TO ASTM C270. USE TYPE "S" MORTAR WITH 3/8" FULL-BEDDED JOINTS FOR ALL MASONRY UNITS. REMOVE EXCESS MORTAR PROTRUDING INTO CELL CAVITIES THAT ARE TO BE REINFORCED AND GROUTED. ALLOW A MIN. OF 24 HOURS FOR MORTAR TO CURE BEFORE PLACING GROUT.
 - ALL GROUT USED TO FILL REINFORCED MASONRY CAVITIES SHALL CONFORM TO ASTM C-476 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS. TESTED IN ACCORDANCE WITH ASTM C1019. AGGREGATE TO CONFORM TO ASTM C404 FOR COARSE GROUT AND SLUMP OF 8" TO 11". TEST SAMPLES FOR COMPRESSIVE STRENGTH. TEST EVERY 30 YARDS OR EACH DAY'S GROUTING AND AS INDICATED IN THE PROJECT SPECIFICATIONS.
 - PROVIDE HORIZONTAL JOINT REINFORCEMENT IN ALL CMU WALLS, U.N.O. HORIZONTAL JOINT REINFORCING SHALL BE (9 GAUGE SIDE RODS WITH 9 GAUGE CROSS RODS) LADDER TYPE, HOT DIP GALVANIZED AFTER FABRICATION. VERTICAL SPACING OF REINFORCING SHALL BE 16" O.C. MAX. IF REQUIRED, TIES SHALL BE LOCATED IN THE MIDDLE OF THE JOINTS. USE PRE-FABRICATED CORNERS AND TEES AT WALL INTERSECTIONS. OVERLAP DISCONTINUOUS ENDS A MIN. OF 12". HORIZONTAL REINFORCING SHALL CONFORM TO ASTM A-82.
 - ALL REINFORCING STEEL UTILIZED FOR REINFORCING MASONRY SHALL BE ASTM A-615 GRADE 60 REINFORCING STEEL.
 - IN HIGH-LIFT GROUTING USE A MAX. LIFT OF 5'-0" WITH MIN. HALF HOUR MAX. ONE HOUR BETWEEN LIFTS. VIBRATE EACH LIFT AND RECONSOLIDATE PREVIOUS LIFT AFTER PLACING NEXT LIFT.
 - WHERE ANCHOR BOLTS ARE SET IN MASONRY WALL, FILL BLOCK CELLS WITH GROUT FOR BOLTED COURSE, ONE COURSE ABOVE AND TWO COURSES BELOW ANCHOR ELEVATION.
 - USE PRESSURE-TREATED WOOD FOR ALL WOOD IN CONTACT WITH MASONRY.
 - MASONRY WALLS ARE TO BE LATERALLY BRACED DURING CONSTRUCTION IN ACCORDANCE WITH "STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION" BY THE COUNCIL FOR MASONRY WALL BRACING AND THE MASON CONTRACTORS ASSOCIATION OF AMERICA. TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT SUPPORTING ELEMENTS OF THE STRUCTURE ARE IN PLACE.
 - CELLS TO BE GROUTED SHALL HAVE A MINIMUM CLEAR DIMENSION OF 2 INCHES AND CLEAR AREA OF 8 SQUARE INCHES FOR 8" CMU. GROUTING SHALL BE DONE IN A CONTINUOUS OPERATION IN LIFTS AS DEFINED PREVIOUSLY. THE GROUT SHALL BE CONSOLIDATED BETWEEN LIFTS BY MECHANICAL VIBRATION. GROUT TO STOP MIN. 1" BELOW JOINT IN BLOCK TO FORM A KEY IF SUBSEQUENT POURS ARE TO CONTINUE UPWARDS.
 - MASONRY WALLS ARE TO BE LATERALLY BRACED DURING CONSTRUCTION IN ACCORDANCE WITH "STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION" BY THE COUNCIL FOR MASONRY WALL BRACING AND THE MASON CONTRACTORS ASSOCIATION OF AMERICA. TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL PERMANENT SUPPORTING ELEMENTS OF THE STRUCTURE ARE IN PLACE.
 - PROVIDE HORIZONTAL BOND BEAMS AT 4'-0" O.C., VERTICALLY (MAX), U.N.O. IN 8" CMU WALLS, REINF. W/ (2) #5 CONT.
 - CMU CONTROL JOINTS ARE NOT TO EXCEED 24'-0" U.N.O. & THE FOLLOWING CRITERIA:
 - AT CHANGES IN WALL HEIGHT OR THICKNESS
 - NEAR WALL INTERSECTIONS
 - AT POINTS OF STRESS CONCENTRATION
 - AT CONTROL JOINTS IN FOUNDATION WALLS
 - WHERE A SLAB JOINT PASSES BENEATH A WALL.
 - THE CONTROL JOINTS SHALL BE LOCATED A MINIMUM OF 2'-0" FROM DOOR OR WINDOW OPENINGS SO THAT CONTROL JOINT DOES NOT INTERFERE WITH LINTEL REINFORCEMENT. THE HORIZONTAL JOINT REINFORCING SHALL BE TERMINATED 2" FROM EACH SIDE OF JOINT. ALL BOND BEAM REINFORCING SHALL CONTINUE THRU THE CMU JOINT.

- MISC. STEEL NOTES**
- OTHER MISCELLANEOUS STEEL NOT SHOWN ON THE STRUCTURAL DOCUMENTS MAY BE IDENTIFIED IN THE ARCHITECTURAL AND/ OR MECHANICAL DRAWINGS. ALL OTHER MISCELLANEOUS SHAPES SHALL BE AT MINIMUM A36 STRUCTURAL STEEL, U.N.O.
 - EDGE ANGLES, CLIP ANGLES, PLATES, BARS AND OTHER MISCELLANEOUS ROLLED SHAPES SHALL BE ASTM A36 STRUCTURAL STEEL, U.N.O. EDGE OF SLAB CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SHOP DRAWING SUBMITTAL TO OUR OFFICE.

- COMPOSITE DECK - 2ND FLOOR**
- USE 2 INCH DEEP, COMPOSITE STEEL DECK UNITS (AS SPECIFIED ON THE DRAWINGS), FORMED OF 20 GAUGE STEEL SHEETS RESPECTIVELY CONFORMING TO ASTM A-446, HAVING A MINIMUM YIELD POINT OF 60 KSI, WITH A PROTECTIVE COATING OF ZINC CONFORMING TO ASTM A-653 G90. W/ 3" CONCRETE TOPPING.
 - 2 INCH DEEP DECK-18GA. VULCRAFT 2/LI
 - Sp= 0.485 in³/FT
 - Sp= 0.500 in³/FT
 - Ip= 0.557 in⁴/FT
 - DESIGN, MANUFACTURE, AND INSTALL THE COMPOSITE STEEL DECK IN CONFORMANCE WITH THE "SPECIFICATIONS FOR DESIGN OF LIGHT-GAUGE COLD-FORMED STEEL STRUCTURAL MEMBERS", AND THE STEEL DECK INSTITUTE'S RECOMMENDED SPECIFICATIONS.

- ROOF DECK**
- STEEL DECK SHALL BE DESIGNED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH THE MOST CURRENT STANDARDS OF THE STEEL DECK INSTITUTE (SDI)
 - 1-1/2" DEEP, 20 GAGE, TYPE-B GALVANIZED METAL ROOF DECK SHALL HAVE THE FOLLOWING PROPERTIES:
 - Sp= 0.221 in³/FT
 - Sp= 0.227 in³/FT
 - Ip= 0.195 in⁴/FT
 - Fy= 50 KSI
 - GALVANIZING: G90
 - THE DECK SHALL BE CAPABLE OF SUPPORTING A UNIFORMLY DISTRIBUTED TOTAL SUPERIMPOSED GRAVITY LOAD OF 55 PSF AND WIND UPLIFT AND SHEAR LOADS AS SPECIFIED ON THE DRAWINGS.
 - THE DECK SHALL BE CONNECTED TO THE STRUCTURE AS DETAILED ON THE DRAWINGS.
 - DECK SHALL HAVE MINIMUM 2" BEARING AT SUPPORTS.
 - DECK SHALL BE 3 SPAN CONTINUOUS WHEREVER POSSIBLE.
 - PLACING OF DECK UNITS SHALL BE ARRANGED SO THAT END LAPS ARE STAGGERED.
 - SUPER IMPOSED LOADS THAT MAY BE HUNG FROM THE DECK SHALL NOT EXCEED 10 PSF AND NO SINGLE CONCENTRATED LOAD SHALL EXCEED 50 POUNDS.



COMPONENTS AND CLADDING WIND
 NOTE: a = 7'-0" INTERNAL PRESSURE COEFFICIENT = +/-0.18

ZONE (SEE FIGURE)	WIND PRESSURE (+) / SUCTION (-) IN POUNDS PER SF							
	EFFECTIVE WIND AREA (FEET SQUARE)							
	10		20		50		100	
	+	-	+	-	+	-	+	-
ROOF ZONE 1		-66.4		-66.4		-66.4		-66.4
ROOF ZONE 2		-76.8		-75.2		-73.2		-71.6
ROOF ZONE 2'		-92.4		-90.8		-88.7		-87.2
ROOF ZONE 3	24.9	-103	23.3	-93.4	21.3	-81.0	19.7	-71.6
ROOF ZONE 3'		-144.0		-129.0		-108.0		-92.4
ROOF ZONE 30H		-164.9		-145.2		-120.0		-100.8
WALL ZONE 4		-60.7		-58.2		-54.9		-52.5
WALL ZONE 5	56.0	-74.7	53.6	-69.8	50.3	-63.2	47.8	-58.2

- NOTES:**
- POSITIVE SIGN INDICATES THAT THE PRESSURE IS ACTING TOWARDS THE SURFACE. NEGATIVE SIGN INDICATES THAT THE PRESSURE IS ACTING AWAY FROM THE STRUCTURE.
 - THE WIND LOADS SHOWN HAVE BEEN CALCULATED PER FLORIDA BUILDING CODE 2023 EDITION W/ HVHZ AND ASCE 7-22. LINEAR INTERPOLATION MAY BE APPLIED FOR LOADING AREAS BETWEEN THE PROVIDED. LOADS SHOWN ARE ULTIMATE LOADS AND MAY BE FACTORED BY 0.6 WHEN APPLICABLE TO REDUCE TO ASD LOADING PRESSURES.

- PROJECT TEAM:**
- CIVIL: KENNETH HORNE & ASSOCIATES
 - LANDSCAPE: FORME DESIGN GROUP
 - STRUCTURAL: MCCARTHY ENGINEERING
 - ARCHITECTURAL: CALDWELL ASSOCIATES
 - FIRE PROTECTION: H.M. YONGE & ASSOCIATES
 - MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
 - ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL
 SEAL

PROJECT NO. : 22028
 SHEET TITLE :

GENERAL NOTES & WIND PRESSURES

SHEET NUMBER :

S002

PROJECT ISSUES:
SCHEMATIC DESIGN: 6/25/2023
DESIGN DEVELOPMENT: 8/21/2023
100% CONSTRUCTION DOCUMENTS: 11/17/2023
REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RFI REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS
CONFORMANCE SET 4/16/2024

PROJECT TEAM:
CIVIL: KENNETH HORNE & ASSOCIATES
LANDSCAPE: FORME DESIGN GROUP
STRUCTURAL: MCCARTHY ENGINEERING
ARCHITECTURAL: CALDWELL ASSOCIATES
FIRE PROTECTION: H.M. YONGE & ASSOCIATES
MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

**3151 HYDE PARK RD.
PENSACOLA, FL**

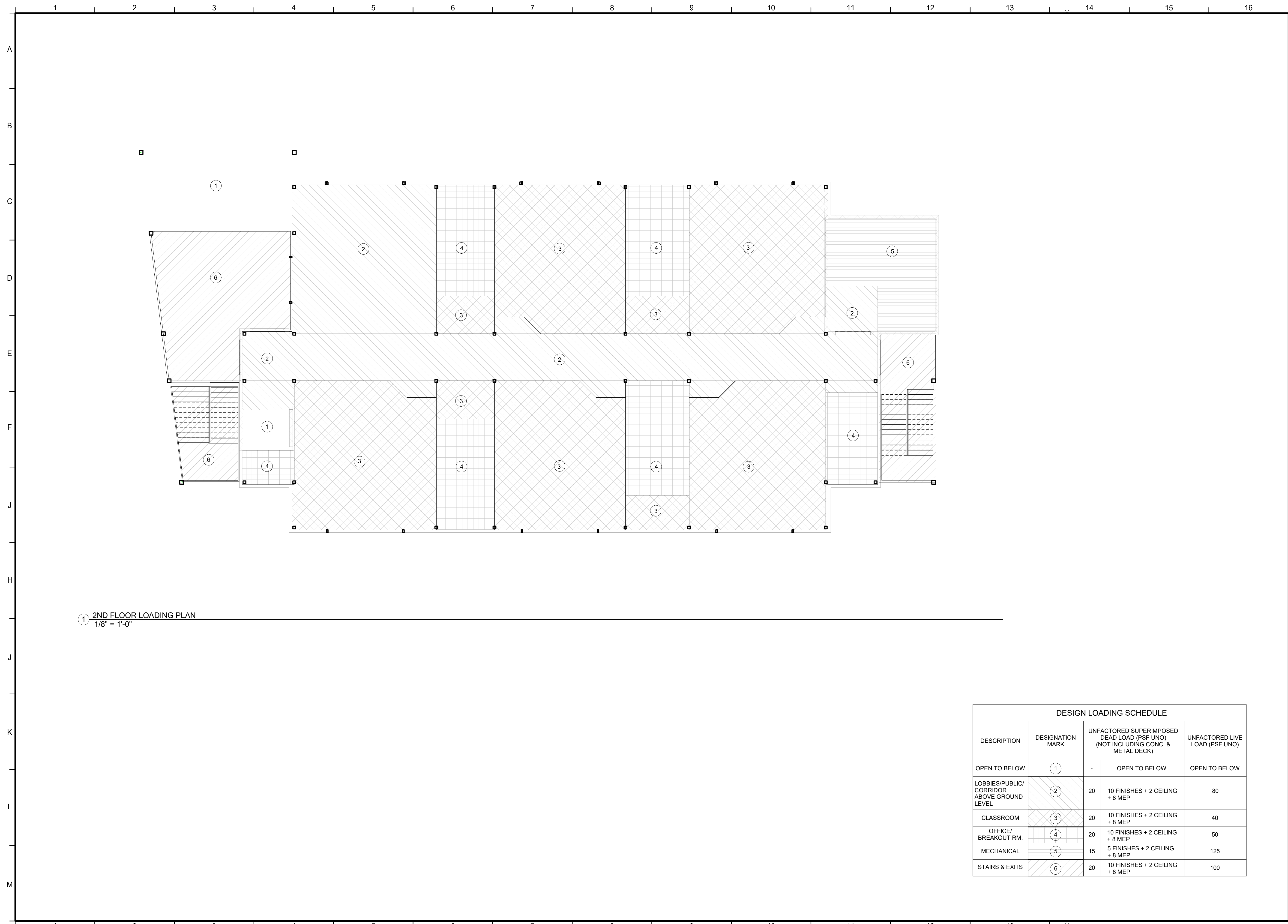
SEAL

PROJECT NO. : 22028
SHEET TITLE :

**STRUCTURAL
LOADING CRITERIA**

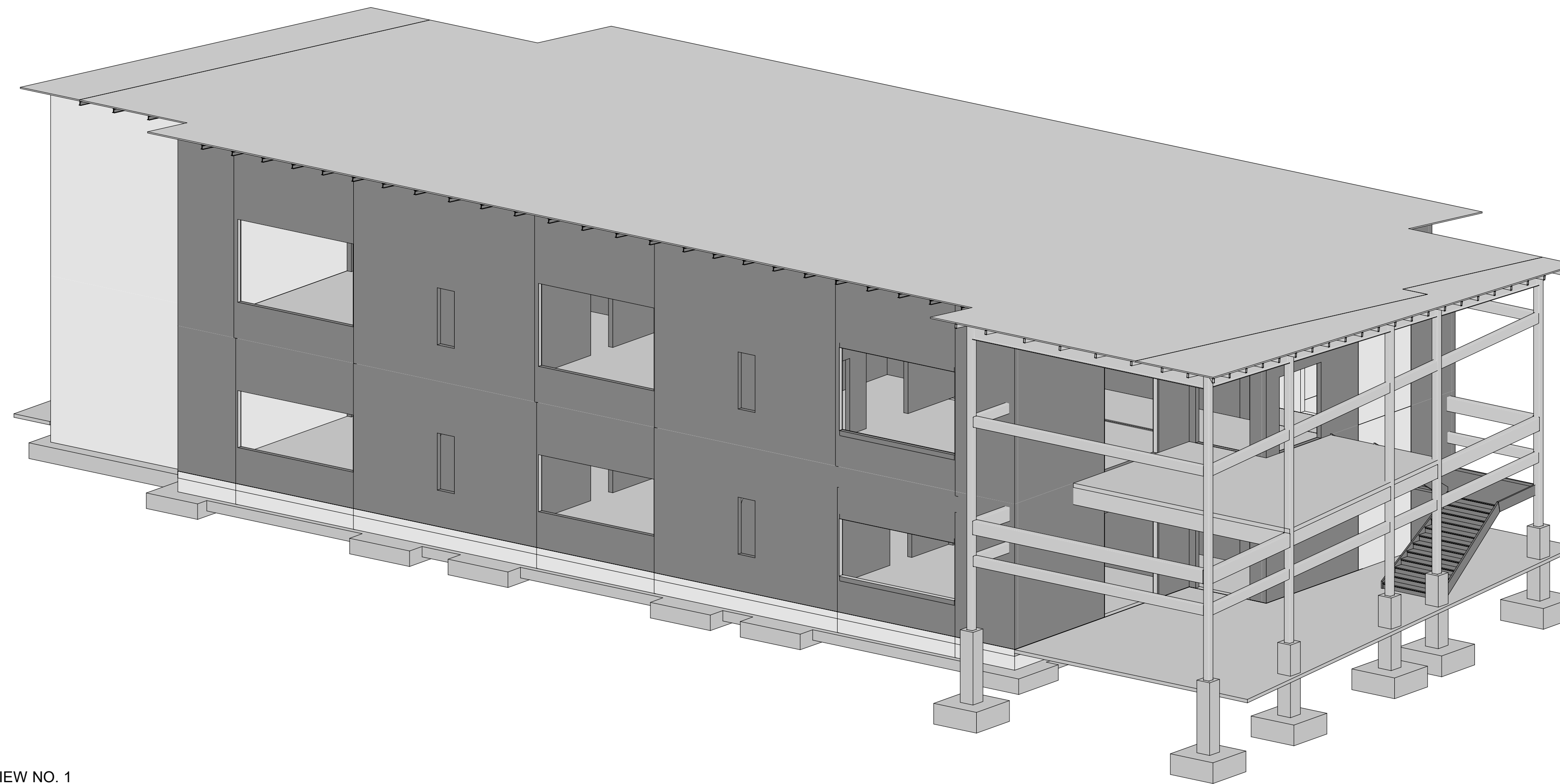
SHEET NUMBER :

S003

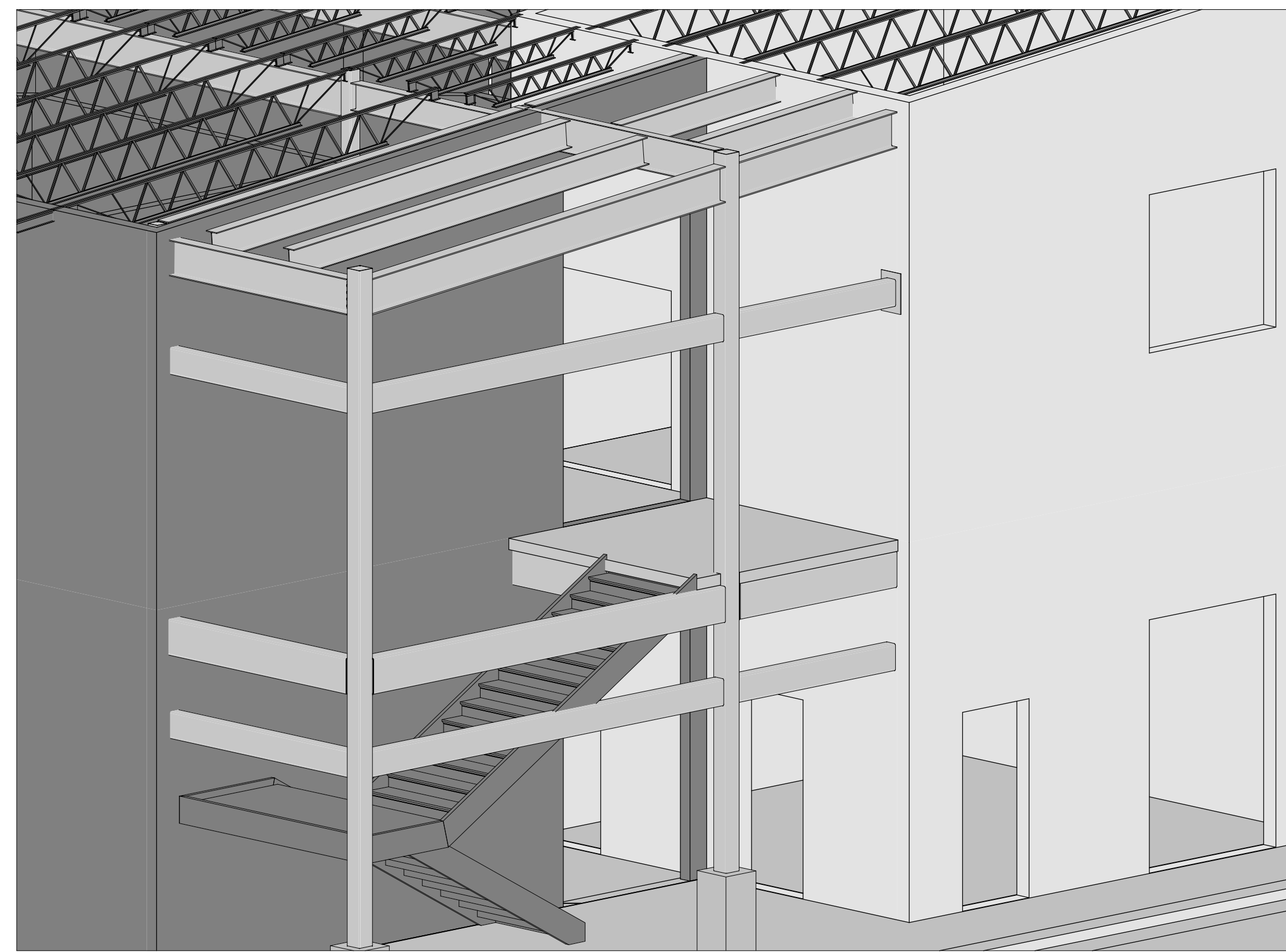


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A
B
C
D
E
F
J
H
J
K
L
M



① ISO VIEW NO. 1



② ISO VIEW NO. 2

CALDWELL
ASSOCIATES | ARCHITECTS
116 N TARRAGONA STREET, PENSACOLA, FL 32502
(850) 432 9500 | CALDWELL-ASSOC.COM

FL License No: AR7462 | FL License No: ID3848
PROJECT ISSUES:
SCHEMATIC DESIGN: 6/25/2023
DESIGN DEVELOPMENT: 8/21/2023
100% CONSTRUCTION DOCUMENTS: 11/17/2023
REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RFI REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS
CONFORMANCE SET 4/16/2024

PROJECT TEAM:
CIVIL KENNETH HORNE & ASSOCIATES
LANDSCAPE FORME DESIGN GROUP
STRUCTURAL MCCARTHY ENGINEERING
ARCHITECTURAL CALDWELL ASSOCIATES
FIRE PROTECTION H.M. YONGE & ASSOCIATES
MECHANICAL/PLUMBING H.M. YONGE & ASSOCIATES
ELECTRICAL KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL
SEAL

PROJECT NO. : 22028
SHEET TITLE :

STRUCTURAL ISOMETRIC VIEW(S)

SHEET NUMBER :
S004

PRINT DATE: 2024-04-18 12:39:26 PM

© 2023 CALDWELL ASSOCIATES ARCHITECTS, INC. DO NOT SCALE DRAWINGS

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY

REVISION 2 - 2/28/24 RFI REVISIONS

REVISION 3 - 3/21/24 CP COMMENTS

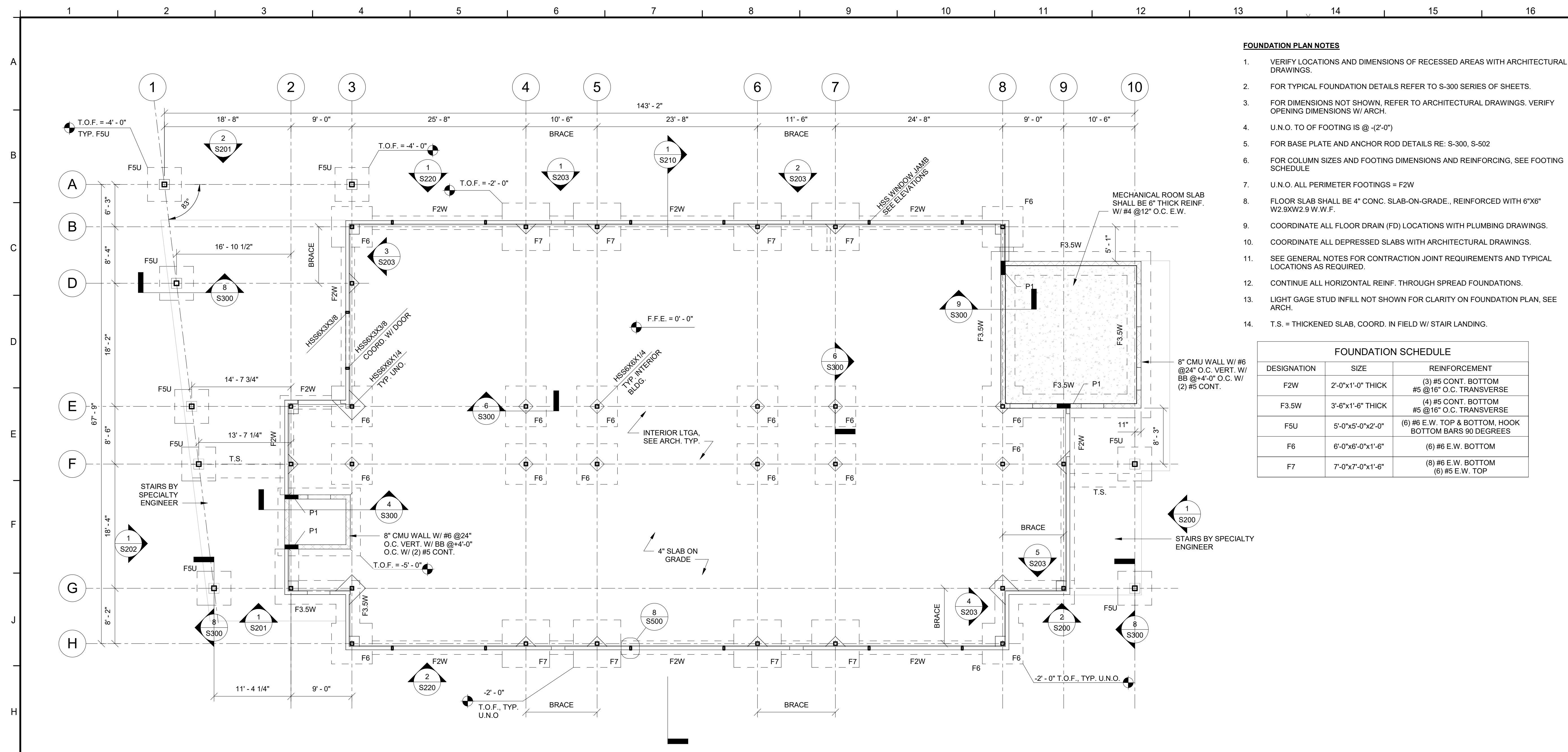
CONFORMANCE SET 4/16/2024

FOUNDATION PLAN NOTES

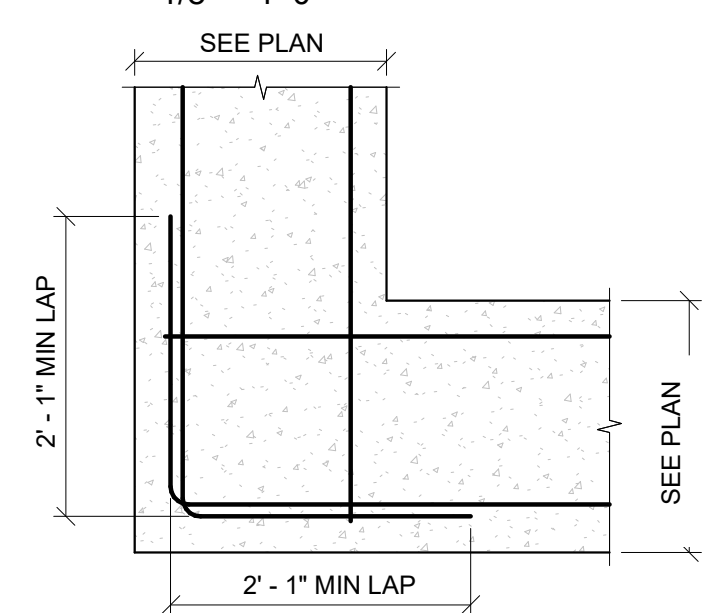
1. VERIFY LOCATIONS AND DIMENSIONS OF RECESSED AREAS WITH ARCHITECTURAL DRAWINGS.
2. FOR TYPICAL FOUNDATION DETAILS REFER TO S-300 SERIES OF SHEETS.
3. FOR DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS. VERIFY OPENING DIMENSIONS W/ ARCH.
4. U.N.O. TO OF FOOTING IS @ -(2'-0")
5. FOR BASE PLATE AND ANCHOR ROD DETAILS RE: S-300, S-502
6. FOR COLUMN SIZES AND FOOTING DIMENSIONS AND REINFORCING, SEE FOOTING SCHEDULE
7. U.N.O. ALL PERIMETER FOOTINGS = F2W
8. FLOOR SLAB SHALL BE 4" CONC. SLAB-ON-GRADE, REINFORCED WITH 6"x6" W2.9XW2.9 W.W.F.
9. COORDINATE ALL FLOOR DRAIN (FD) LOCATIONS WITH PLUMBING DRAWINGS.
10. COORDINATE ALL DEPRESSED SLABS WITH ARCHITECTURAL DRAWINGS.
11. SEE GENERAL NOTES FOR CONTRACTION JOINT REQUIREMENTS AND TYPICAL LOCATIONS AS REQUIRED.
12. CONTINUE ALL HORIZONTAL REINF. THROUGH SPREAD FOUNDATIONS.
13. LIGHT GAGE STUD INFILL NOT SHOWN FOR CLARITY ON FOUNDATION PLAN, SEE ARCH.
14. T.S. = THICKENED SLAB, COORD. IN FIELD W/ STAIR LANDING.

FOUNDATION SCHEDULE

DESIGNATION	SIZE	REINFORCEMENT
F2W	2'-0"x1'-0" THICK	(3) #5 CONT. BOTTOM #5 @16" O.C. TRANSVERSE
F3.5W	3'-6"x1'-6" THICK	(4) #5 CONT. BOTTOM #5 @16" O.C. TRANSVERSE
F5U	5'-0"x5'-0"x2'-0"	(6) #6 E.W. TOP & BOTTOM, HOOK BOTTOM BARS 90 DEGREES
F6	6'-0"x6'-0"x1'-6"	(6) #6 E.W. BOTTOM
F7	7'-0"x7'-0"x1'-6"	(8) #6 E.W. BOTTOM (6) #5 E.W. TOP

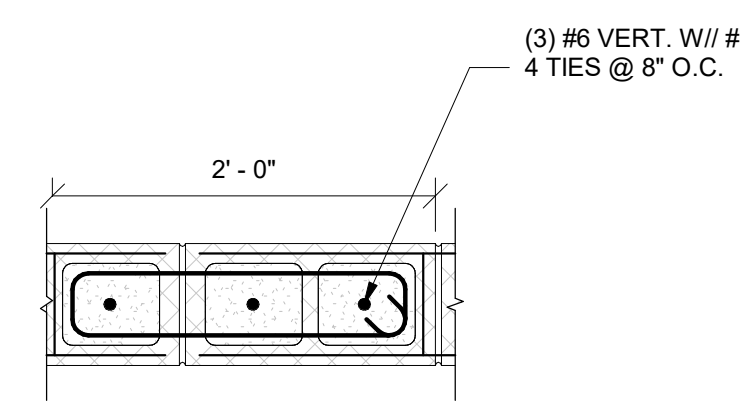


1 FOUNDATION PLAN
1/8" = 1'-0"



2 FOUNDATION REINF. @ CORNER
3/4" = 1'-0"

3 P1 (PILASTER)
1" = 1'-0"



PRINT DATE: 2024-04-18 12:39:27 PM

PROJECT TEAM:

- CIVIL: KENNETH HORNE & ASSOCIATES
- LANDSCAPE: FORME DESIGN GROUP
- STRUCTURAL: MCCARTHY ENGINEERING
- ARCHITECTURAL: CALDWELL ASSOCIATES
- FIRE PROTECTION: H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
- ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

SEAL

PROJECT NO. : 22028
SHEET TITLE :

FOUNDATION PLAN

SHEET NUMBER :

S100

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY

REVISION 2 - 2/28/24 RFI REVISIONS

REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PROJECT TEAM:

- CIVIL**
KENNETH HORNE & ASSOCIATES
- LANDSCAPE**
FORME DESIGN GROUP
- STRUCTURAL**
MCCARTHY ENGINEERING
- ARCHITECTURAL**
CALDWELL ASSOCIATES
- FIRE PROTECTION**
H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING**
H.M. YONGE & ASSOCIATES
- ELECTRICAL**
KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

SEAL

PROJECT NO. : 22028
SHEET TITLE :

CONTRACTION JOINT PLAN

SHEET NUMBER :

S101

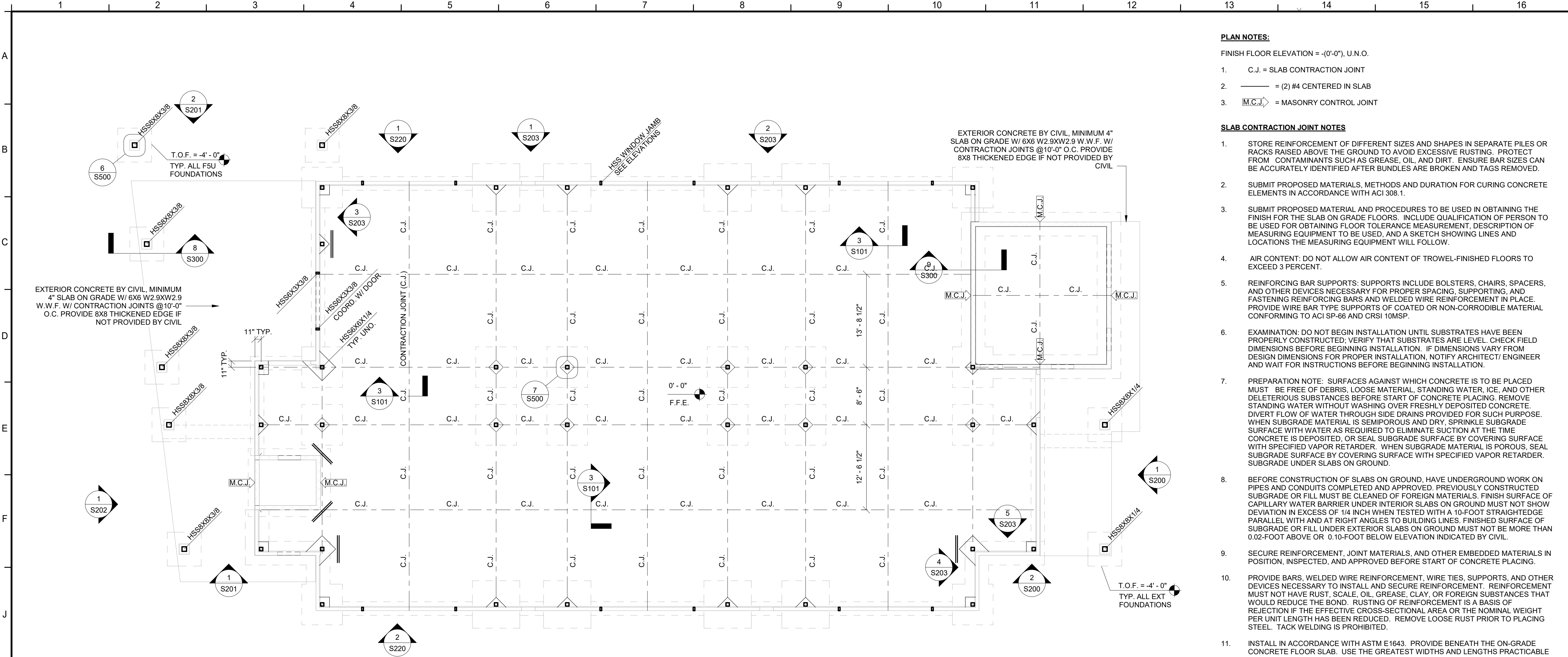
PLAN NOTES:

FINISH FLOOR ELEVATION = -(0'-0"), U.N.O.

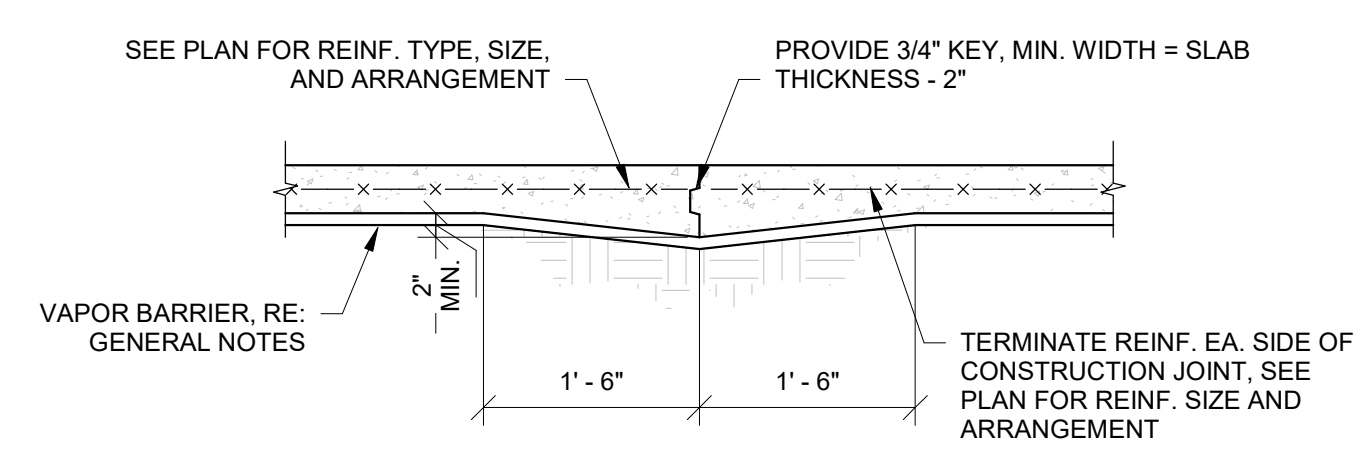
1. C.J. = SLAB CONTRACTION JOINT
2. ——— = (2) #4 CENTERED IN SLAB
3. **(M.C.J.)** = MASONRY CONTROL JOINT

SLAB CONTRACTION JOINT NOTES

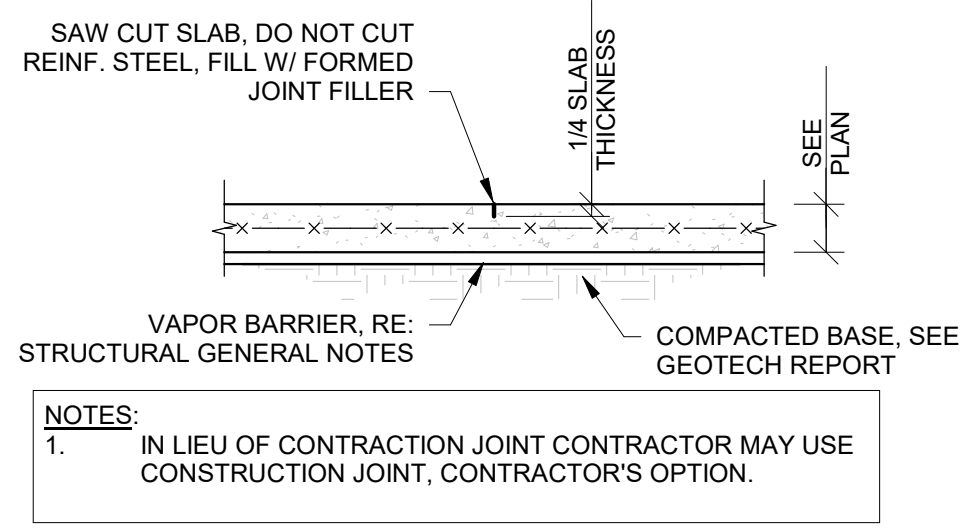
1. STORE REINFORCEMENT OF DIFFERENT SIZES AND SHAPES IN SEPARATE PILES OR RACKS RAISED ABOVE THE GROUND TO AVOID EXCESSIVE RUSTING. PROTECT FROM CONTAMINANTS SUCH AS GREASE, OIL, AND DIRT. ENSURE BAR SIZES CAN BE ACCURATELY IDENTIFIED AFTER BUNDLES ARE BROKEN AND TAGS REMOVED.
2. SUBMIT PROPOSED MATERIALS, METHODS AND DURATION FOR CURING CONCRETE ELEMENTS IN ACCORDANCE WITH ACI 308.1.
3. SUBMIT PROPOSED MATERIAL AND PROCEDURES TO BE USED IN OBTAINING THE FINISH FOR THE SLAB ON GRADE FLOORS. INCLUDE QUALIFICATION OF PERSON TO BE USED FOR OBTAINING FLOOR TOLERANCE MEASUREMENT. DESCRIPTION OF MEASURING EQUIPMENT TO BE USED, AND A SKETCH SHOWING LINES AND LOCATIONS THE MEASURING EQUIPMENT WILL FOLLOW.
4. AIR CONTENT: DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3 PERCENT.
5. REINFORCING BAR SUPPORTS: SUPPORTS INCLUDE BOLSTERS, CHAIRS, SPACERS, AND OTHER DEVICES NECESSARY FOR PROPER SPACING, SUPPORTING, AND FASTENING REINFORCING BARS AND WELDED WIRE REINFORCEMENT IN PLACE. PROVIDE WIRE BAR TYPE SUPPORTS OF COATED OR NON-CORRODIBLE MATERIAL CONFORMING TO ACI SP-66 AND CRSI 10MSP.
6. EXAMINATION: DO NOT BEGIN INSTALLATION UNTIL SUBSTRATES HAVE BEEN PROPERLY CONSTRUCTED. SUBSTRATES ARE LEVEL. CHECK FIELD DIMENSIONS BEFORE BEGINNING INSTALLATION. IF DIMENSIONS VARY FROM DESIGN DIMENSIONS FOR PROPER INSTALLATION, NOTIFY ARCHITECT/ ENGINEER AND WAIT FOR INSTRUCTIONS BEFORE BEGINNING INSTALLATION.
7. PREPARATION NOTE: SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED MUST BE FREE OF DEBRIS, LOOSE MATERIAL, STANDING WATER, ICE, AND OTHER DELETERIOUS SUBSTANCES BEFORE START OF CONCRETE PLACING. REMOVE STANDING WATER WITHOUT WASHING OVER FRESHLY DEPOSITED CONCRETE. DIVERT FLOW OF WATER THROUGH SIDE DRAINS PROVIDED FOR SUCH PURPOSE. WHEN SUBGRADE MATERIAL IS SEMIPOROUS AND DRY, SPRINKLE SUBGRADE SURFACE WITH WATER AS REQUIRED TO ELIMINATE SUCTION AT THE TIME CONCRETE IS DEPOSITED, OR SEAL SUBGRADE SURFACE BY COVERING SURFACE WITH SPECIFIED VAPOR RETARDER. WHEN SUBGRADE MATERIAL IS POROUS, SEAL SUBGRADE SURFACE BY COVERING SURFACE WITH SPECIFIED VAPOR RETARDER. SUBGRADE UNDER SLABS ON GROUND.
8. BEFORE CONSTRUCTION OF SLABS ON GROUND, HAVE UNDERGROUND WORK ON PIPES AND CONDUITS COMPLETED AND APPROVED. PREVIOUSLY CONSTRUCTED SUBGRADE OR FILL MUST BE CLEANED OF FOREIGN MATERIALS. FINISH SURFACE OF CAPILLARY WATER BARRIER UNDER INTERIOR SLABS ON GROUND MUST NOT SHOW DEVIATION IN EXCESS OF 1/4 INCH WHEN TESTED WITH A 10-FOOT STRAIGHTEDGE PARALLEL WITH AND AT RIGHT ANGLES TO BUILDING LINES. FINISHED SURFACE OF SUBGRADE OR FILL UNDER EXTERIOR SLABS ON GROUND MUST NOT BE MORE THAN 0.02-FOOT ABOVE OR 0.10-FOOT BELOW ELEVATION INDICATED BY CIVIL.
9. SECURE REINFORCEMENT, JOINT MATERIALS, AND OTHER EMBEDDED MATERIALS IN POSITION, INSPECTED, AND APPROVED BEFORE START OF CONCRETE PLACING.
10. PROVIDE BARS, WELDED WIRE REINFORCEMENT, WIRE TIES, SUPPORTS, AND OTHER DEVICES NECESSARY TO INSTALL AND SECURE REINFORCEMENT. REINFORCEMENT MUST NOT HAVE RUST, SCALE, OIL, GREASE, CLAY, OR FOREIGN SUBSTANCES THAT WOULD REDUCE THE BOND. RUSTING OF REINFORCEMENT IS A BASIS OF REJECTION IF THE EFFECTIVE CROSS-SECTIONAL AREA OR THE NOMINAL WEIGHT PER UNIT LENGTH HAS BEEN REDUCED. REMOVE LOOSE RUST PRIOR TO PLACING STEEL. TACK WELDING IS PROHIBITED.
11. INSTALL IN ACCORDANCE WITH ASTM E1643. PROVIDE BENEATH THE ON-GRADE CONCRETE FLOOR SLAB. USE THE GREATEST WIDTHS AND LENGTHS PRACTICABLE TO ELIMINATE JOINTS WHEREVER POSSIBLE. LAP JOINTS A MINIMUM OF 12 INCHES AND TAPE. REMOVE TORN, PUNCTURED, OR DAMAGED VAPOR RETARDER MATERIAL AND PROVIDE WITH NEW VAPOR RETARDER PRIOR TO PLACING CONCRETE. CONCRETE PLACEMENT MUST NOT DAMAGE VAPOR RETARDER.
12. REPAIR SURFACE DEFECTS IN ACCORDANCE WITH ACI 301 SECTION 5.
13. CONSTRUCTION JOINTS: MAKE AND LOCATE JOINTS NOT INDICATED SO AS NOT TO IMPAIR STRENGTH AND APPEARANCE OF THE STRUCTURE, AS APPROVED. JOINTS MUST BE PERPENDICULAR TO MAIN REINFORCEMENT. REINFORCEMENT MUST BE CONTINUED AND DEVELOPED ACROSS CONSTRUCTION JOINTS.
14. SAWCUTTING WILL BE LIMITED TO WITHIN 12 HOURS AFTER SET AND AT 1/4 SLAB DEPTH.
15. CONTRACTION AND CONTROL JOINTS WHICH ARE TO RECEIVE FINISH FLOORING MATERIAL MUST BE SEALED WITH JOINT SEALING COMPOUND AFTER CONCRETE CURING PERIOD. SLIGHTLY UNDERFILL GROOVE WITH JOINT SEALING COMPOUND TO PREVENT EXTRUSION OF COMPOUND. REMOVE EXCESS MATERIAL AS SOON AFTER SEALING AS POSSIBLE.



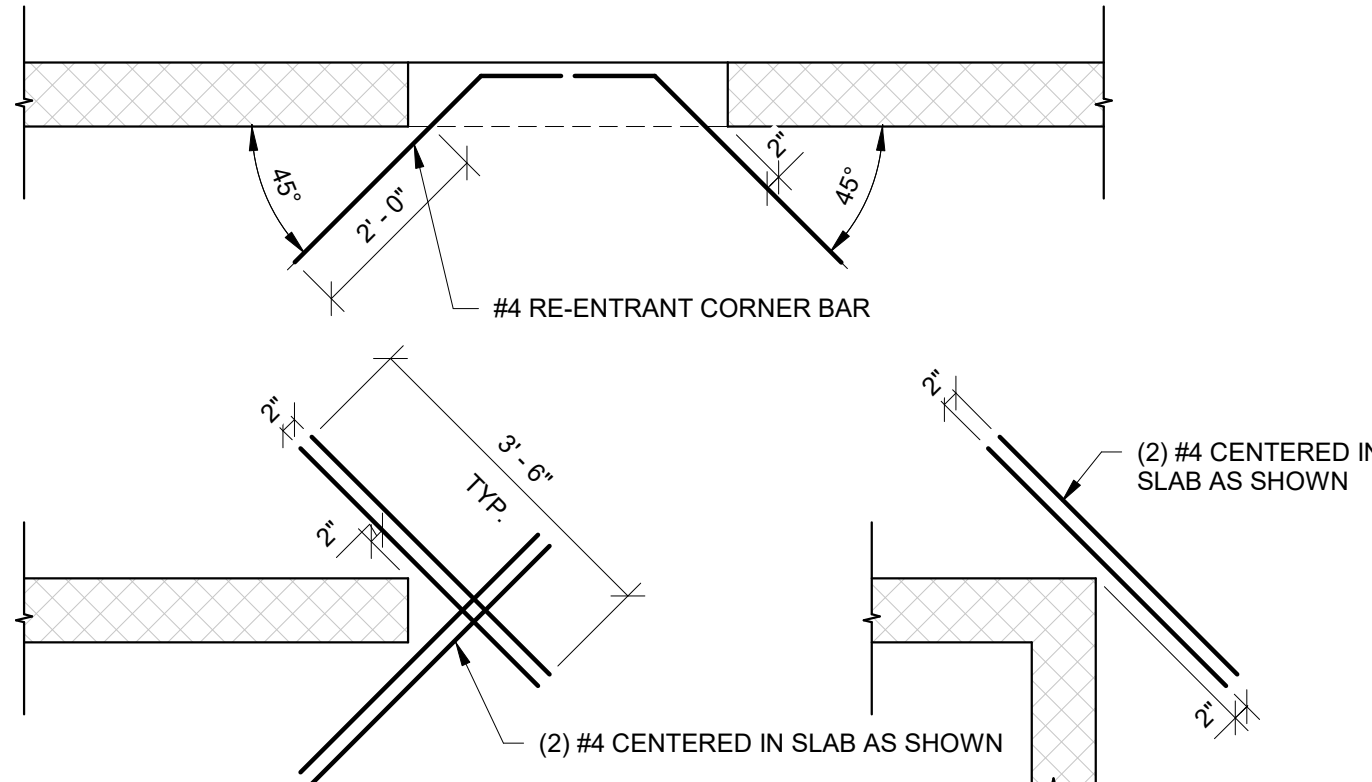
1 CONTRACTION JOINT PLAN
1/8" = 1'-0"



2 CONSTRUCTION JOINT
3/4" = 1'-0"



3 CONTRACTION JOINT (C.J.) W.W.F.
3/4" = 1'-0"



4 SLAB RE-ENTRANT CORNER BARS
1/2" = 1'-0"

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY

REVISION 2 - 2/28/24 RFI REVISIONS

REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PLAN NOTES:

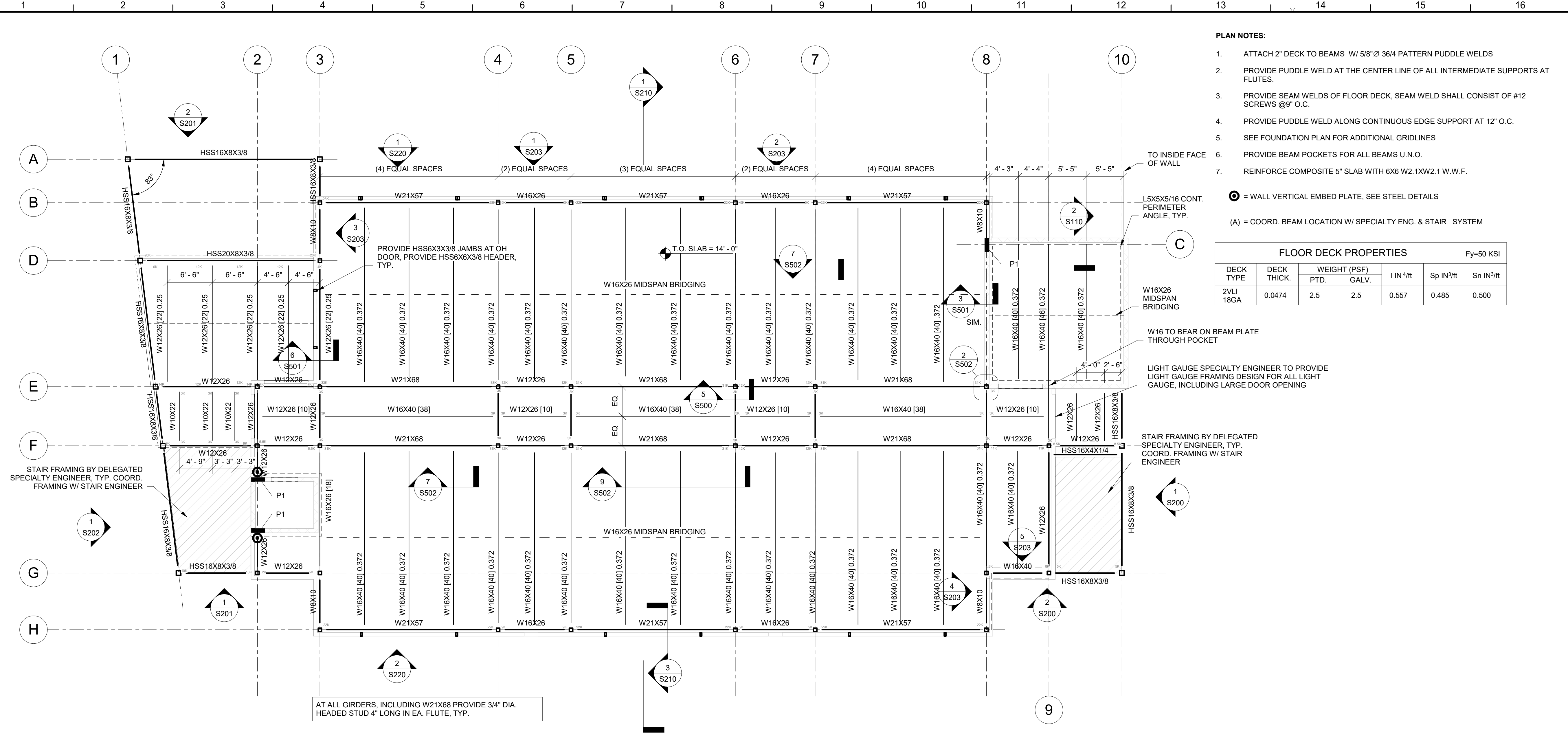
- ATTACH 2" DECK TO BEAMS W/ 5/8"Ø 36/4 PATTERN PUDDLE WELDS
- PROVIDE PUDDLE WELD AT THE CENTER LINE OF ALL INTERMEDIATE SUPPORTS AT FLUTES.
- PROVIDE SEAM WELDS OF FLOOR DECK, SEAM WELD SHALL CONSIST OF #12 SCREWS @9" O.C.
- PROVIDE PUDDLE WELD ALONG CONTINUOUS EDGE SUPPORT AT 12" O.C.
- SEE FOUNDATION PLAN FOR ADDITIONAL GRIDLINES
- PROVIDE BEAM POCKETS FOR ALL BEAMS U.N.O.
- REINFORCE COMPOSITE 5" SLAB WITH 6X6 W2.1XW2.1 W.W.F.

⊙ = WALL VERTICAL EMBED PLATE, SEE STEEL DETAILS

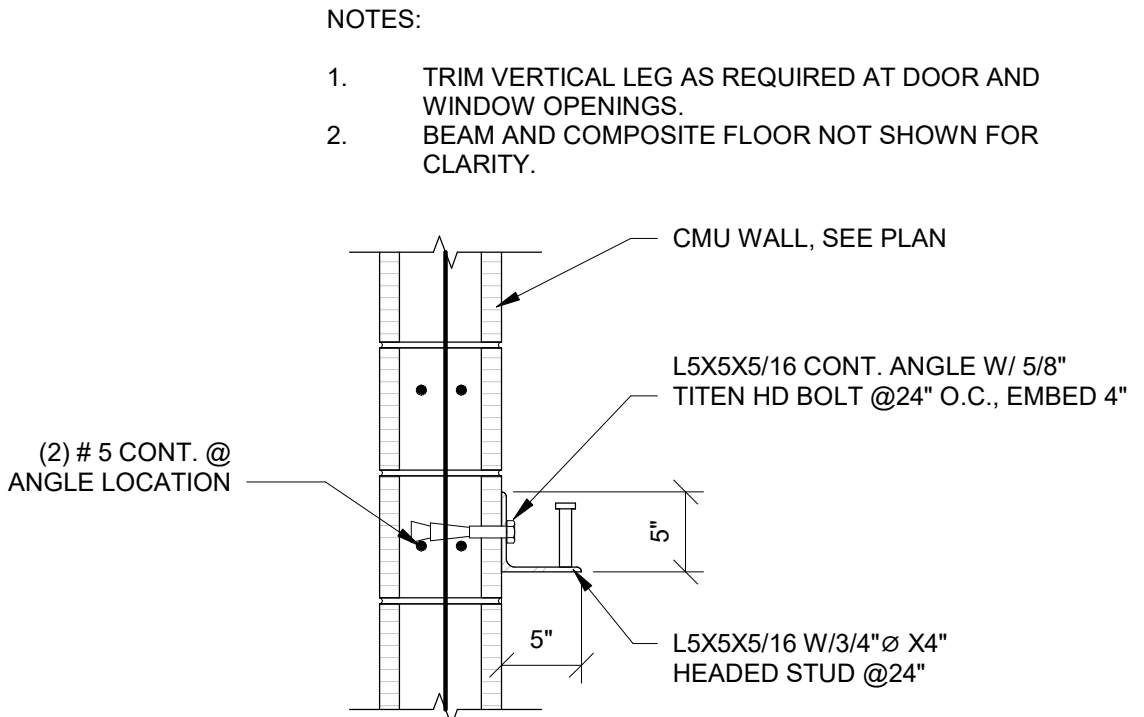
(A) = COORD. BEAM LOCATION W/ SPECIALTY ENG. & STAIR SYSTEM

FLOOR DECK PROPERTIES

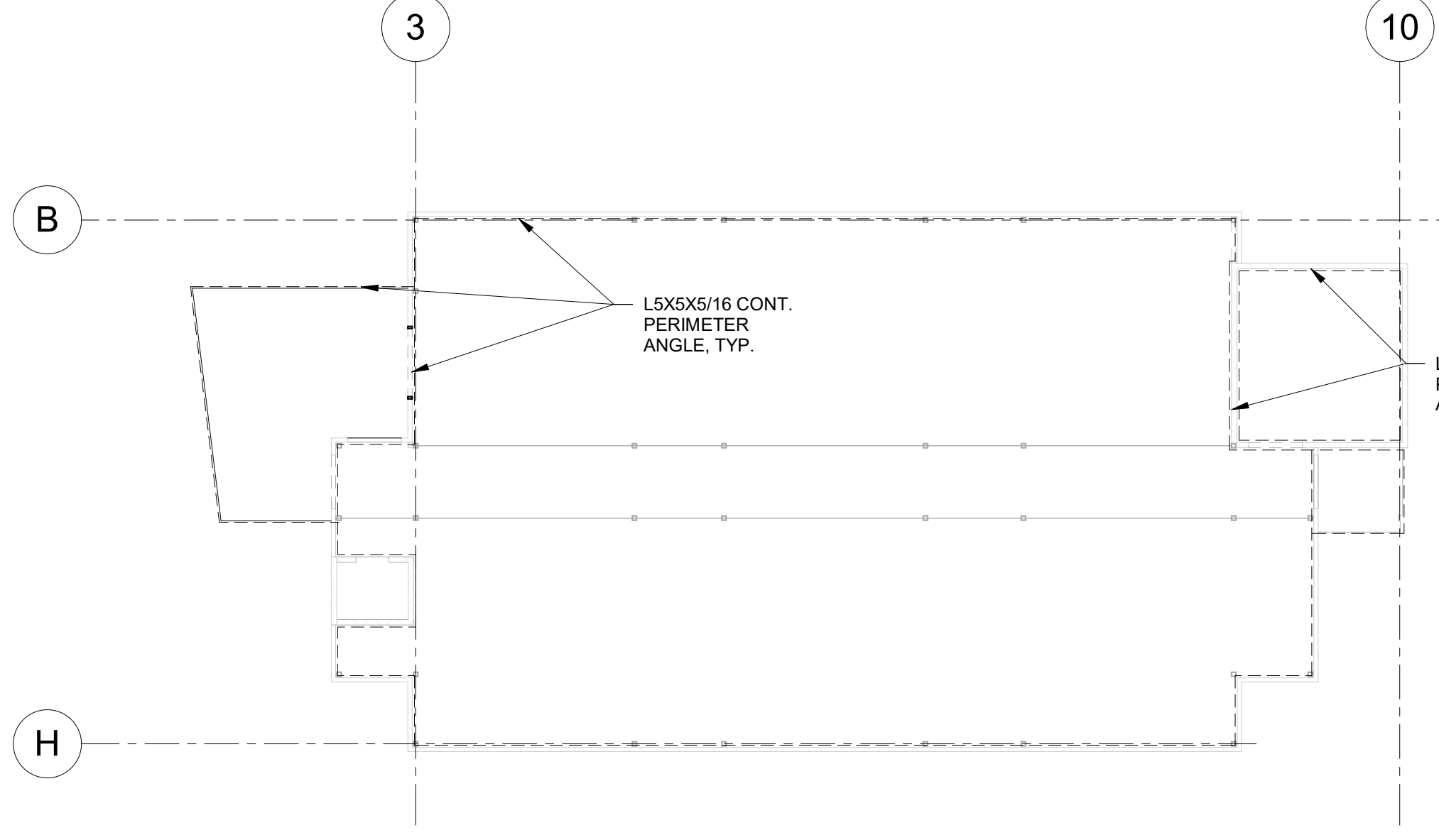
DECK TYPE	DECK THICK.	WEIGHT (PSF)		I IN ⁴ /ft	Sp IN ³ /ft	Sn IN ³ /ft	Fy=50 KSI
		PTD.	GALV.				
2VLI 18GA	0.0474	2.5	2.5	0.557	0.485	0.500	



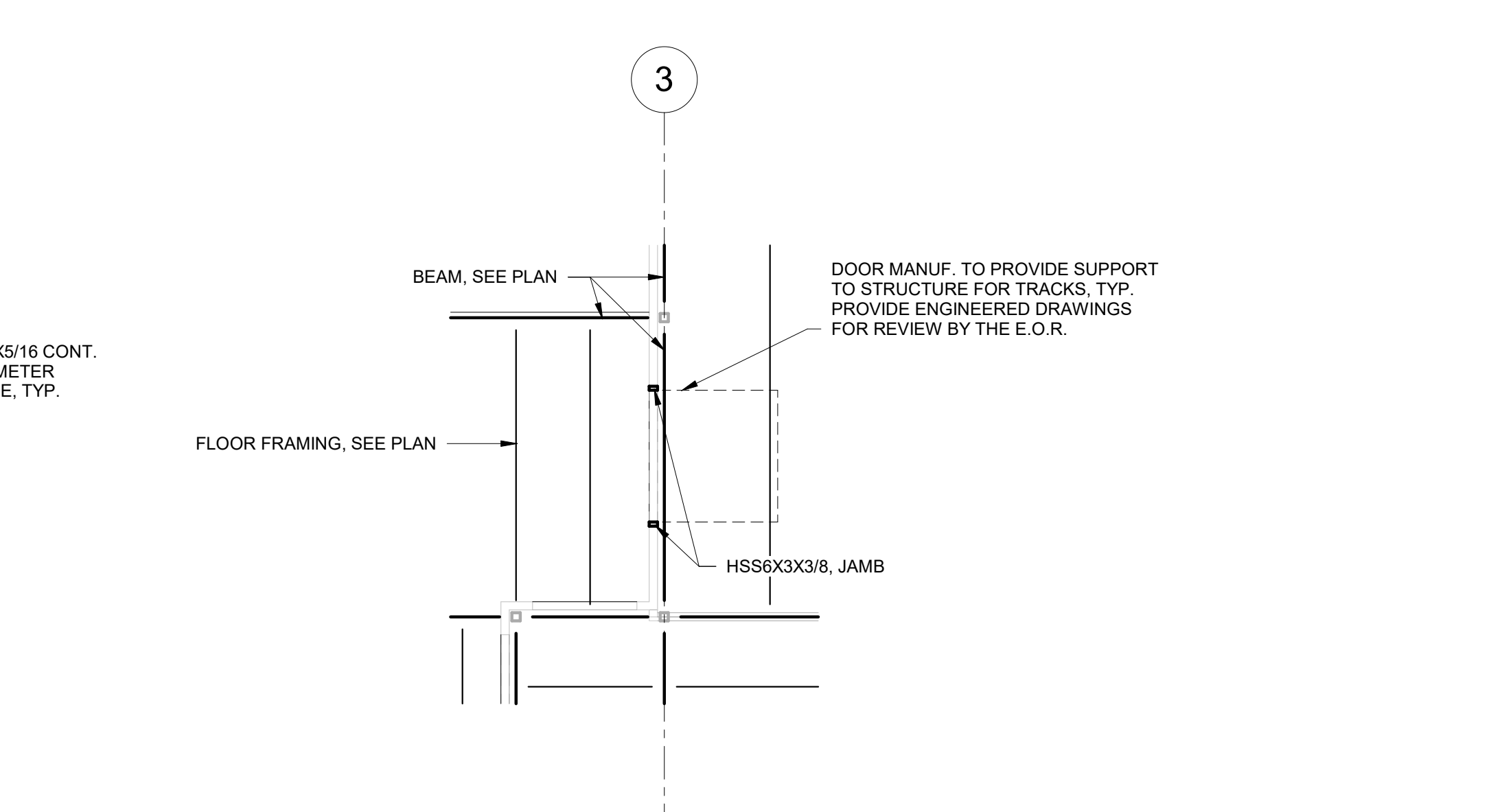
1 2ND FLOOR FRAMING PLAN
1/8" = 1'-0"



2 COMPOSITE FLOOR PERIMETER ANGLE (2ND)
1" = 1'-0"



3 CONT. PERIMETER ANGLE
1/16" = 1'-0"



4 OH DOOR FRAMING
1/8" = 1'-0"

PROJECT TEAM:

- CIVIL: KENNETH HORNE & ASSOCIATES
- LANDSCAPE: FORME DESIGN GROUP
- STRUCTURAL: MCCARTHY ENGINEERING
- ARCHITECTURAL: CALDWELL ASSOCIATES
- FIRE PROTECTION: H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
- ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT: CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

SEAL

PROJECT NO.: 22028
SHEET TITLE:

2ND FLOOR FRAMING PLAN

SHEET NUMBER:

S110

FL License No: AR7462 | FL License No: ID3848

PROJECT ISSUES:
 SCHEMATIC DESIGN: 6/25/2023
 DESIGN DEVELOPMENT: 8/21/2023
 100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
 REVISION 2 - 2/28/24 RFI REVISIONS
 REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PROJECT TEAM:

CIVIL
 KENNETH HORNE & ASSOCIATES
LANDSCAPE
 FORME DESIGN GROUP
STRUCTURAL
 MCCARTHY ENGINEERING
ARCHITECTURAL
 CALDWELL ASSOCIATES
FIRE PROTECTION
 H.M. YONGE & ASSOCIATES
MECHANICAL/PLUMBING
 H.M. YONGE & ASSOCIATES
ELECTRICAL
 KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL
 SEAL

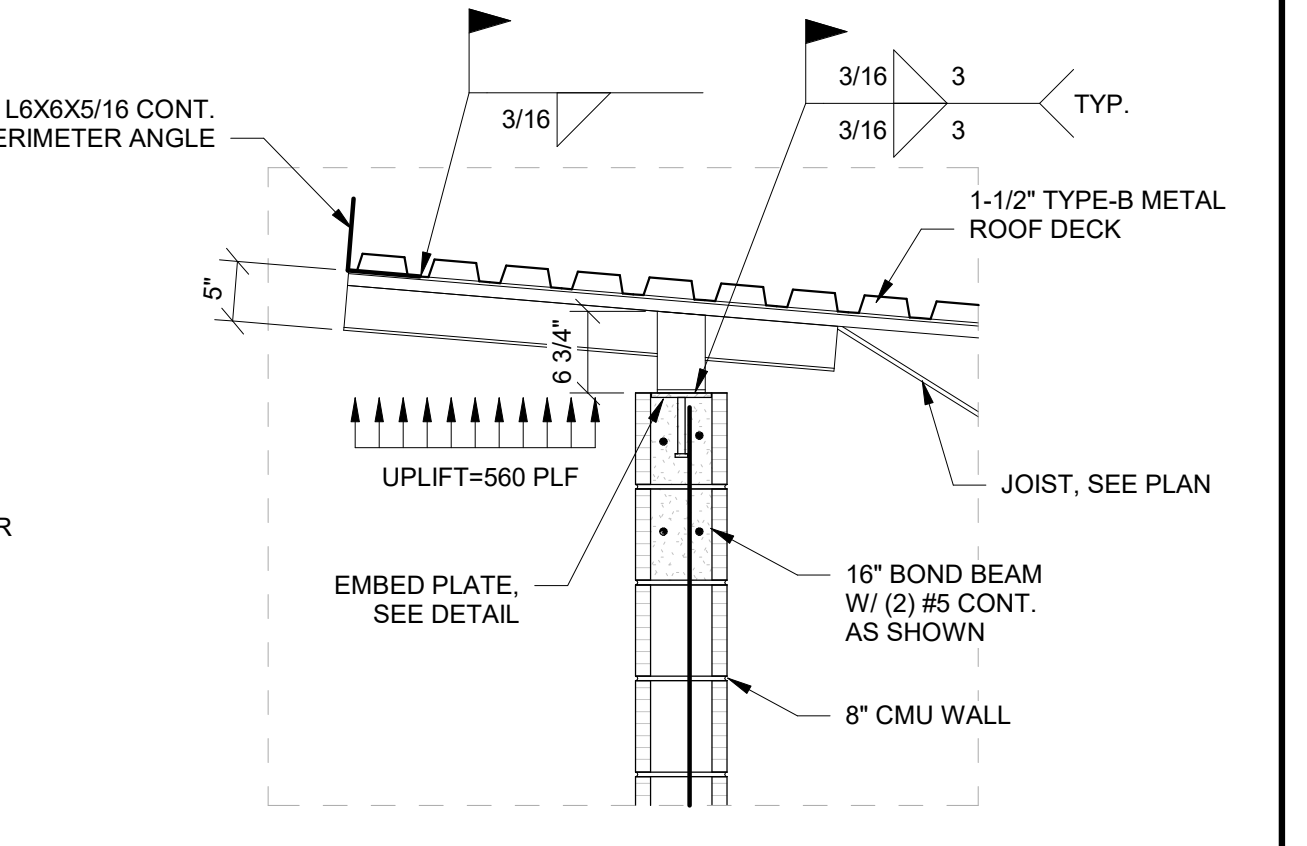
PROJECT NO. : 22028
 SHEET TITLE :

ROOF FRAMING PLAN
 SHEET NUMBER :

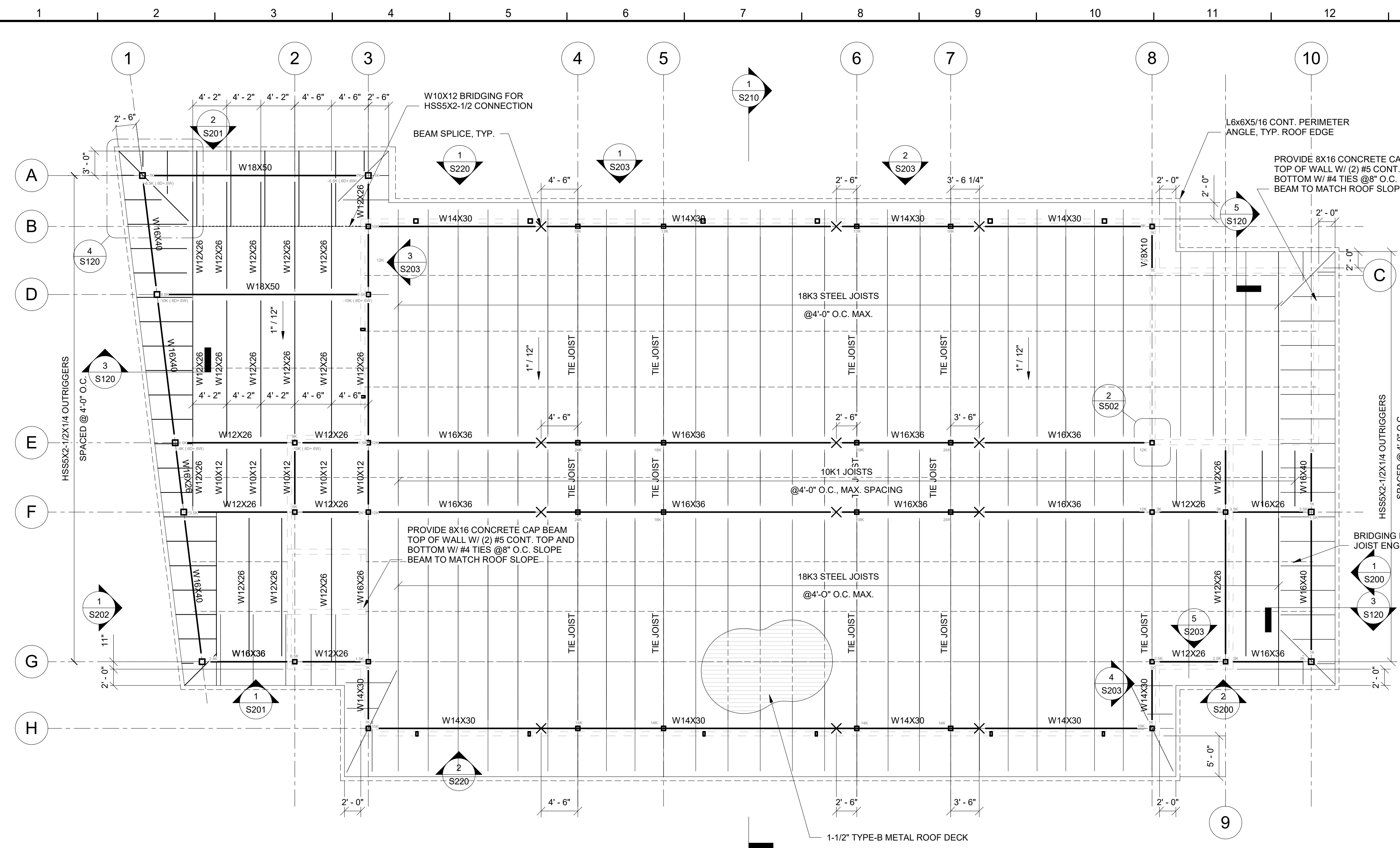
S120

ROOF FRAMING PLAN NOTES

- ROOF DECK SHALL BE 1 1/2" DEEP, 20 GAGE, TYPE B GALVANIZED METAL ROOF DECK CONFORMING TO THE STEEL DECK INSTITUTE (SDI) RECOMMENDED PRACTICE. FASTEN WITH A 3/8" FASTENER LAYOUT USING #12 SCREWS AT ALL SUPPORTS (PROVIDE (2) IN ZONE 3) AND PERIMETER ANGLES & (4)#10 SCREWS AT SIDE LAPS BETWEEN SUPPORTS TYP, AND ALL SCREWS SHALL BE BUILDEX TRAXX SELF DRILLING W/ HEX HEAD WASHER OR APPROVED EQUIVALENT, TYP. U.N.O.
- COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. RE: STRUCTURAL STEEL DETAILS FOR ADDITIONAL FRAMING AROUND ALL OPENINGS.
- JOIST, WALL & BEAM ELEV. = SEE SECTIONS & PLANS.
- SPECIALTY ENGINEER TO PROVIDE UPLIFT BRACING AS REQUIRED, RE: GENERAL NOTES FOR REQUIREMENTS. BRIDGING NOT SHOWN FOR CLARITY. JOIST MANUFACTURER TO PROVIDE ALL NECESSARY BRIDGING.
- JOIST MANUFACTURER TO PROVIDE JOISTS TO SUPPORT ADDITIONAL 500 LB LOAD AT ANY PANEL POINT AT LOCATIONS OF MECHANICAL UNITS.
- ALL JOISTS MAX. SPACING @ 4'-0" O.C., U.N.O.
- CONTRACTOR TO COORDINATE EDGE OF DECK WITH ANGLE. THIS SHALL BE VERIFIED BY THE CONTRACTOR ON ALL SHOP DRAWINGS PRIOR TO SUBMISSION TO THE ARCHITECT/ENGINEER.
- BRIDGING NOT SHOWN FOR CLARITY, THIS SHALL BE PROVIDED BY THE TRUSS MANUF.
- SEE ARCH. FOR OVERHANG DIMENSIONS.



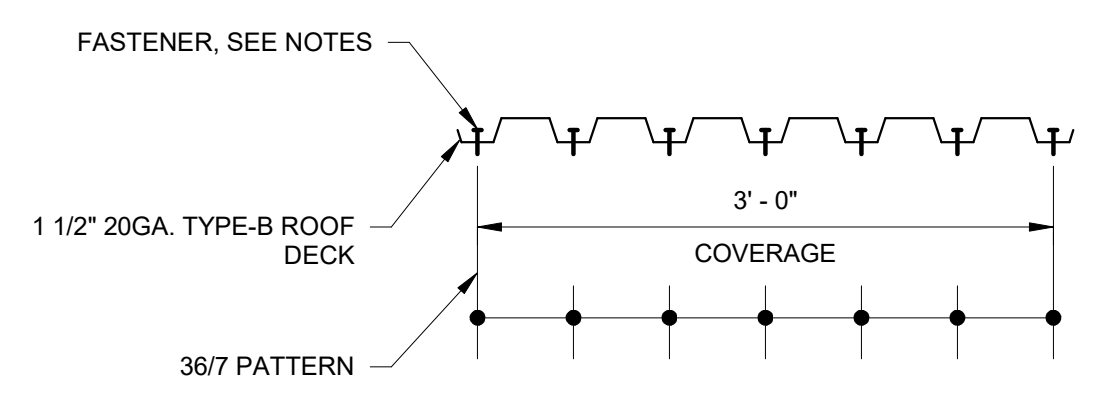
5 JOIST BRG. CMU WALL
 3/4" = 1'-0"



1 ROOF FRAMING PLAN
 1/8" = 1'-0"

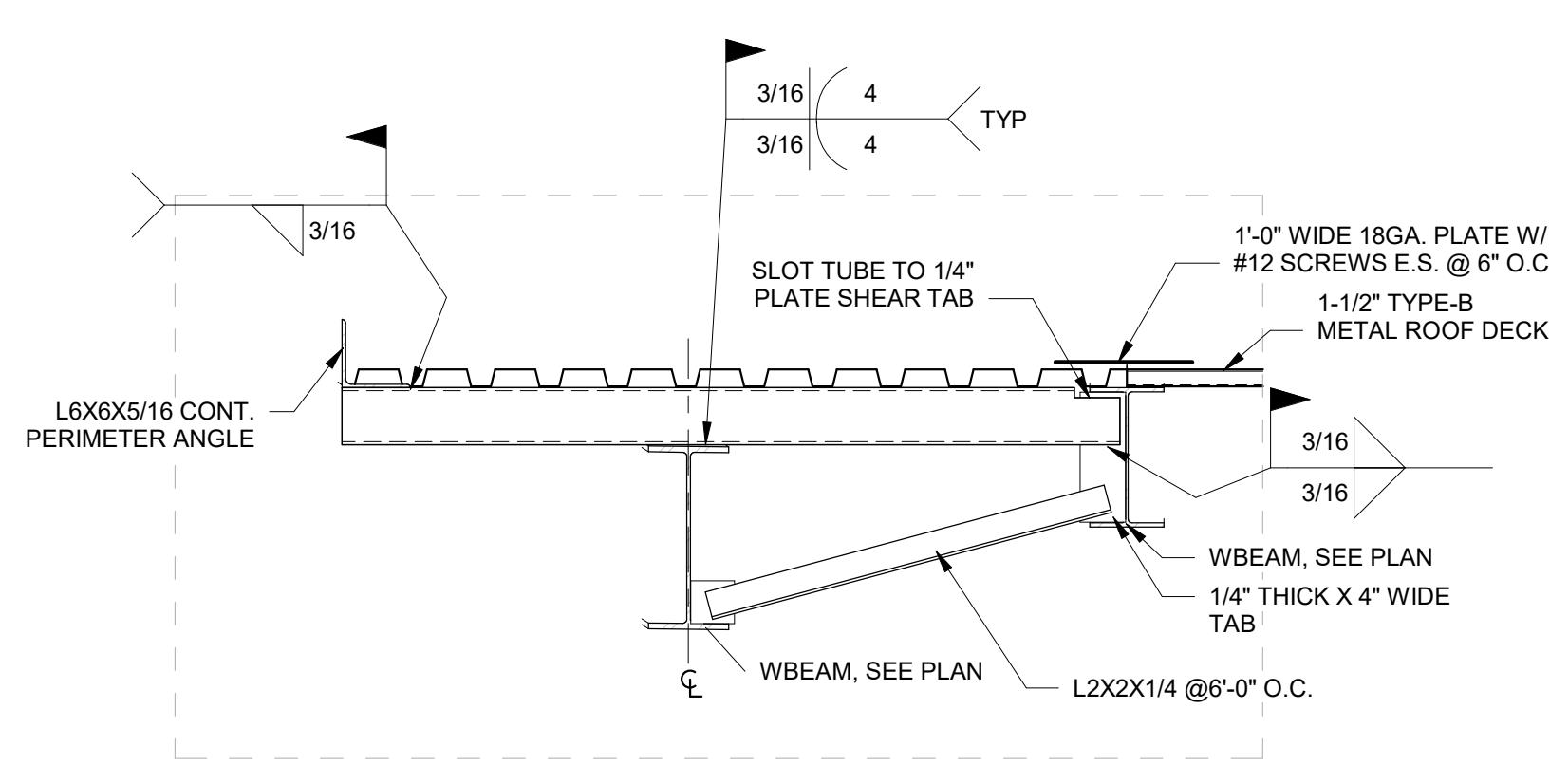
ROOF DECK PROPERTIES						Fy=50 KSI
DECK TYPE	DECK THICK.	WEIGHT (PSF) PTD.	WEIGHT (PSF) GALV.	I IN ⁴ /ft	Sp IN ³ /ft	Sn IN ³ /ft
1.5B20	0.0358	1.98	1.98	0.212	0.221	0.227

ROOF DECK ATTACHMENT SCHEDULE	
SUPPORT FASTENERS	SIDLAP FASTENERS
#12 TEK SCREWS 36/7 PATTERN	#10 TEK SCREWS 5 PER SPAN

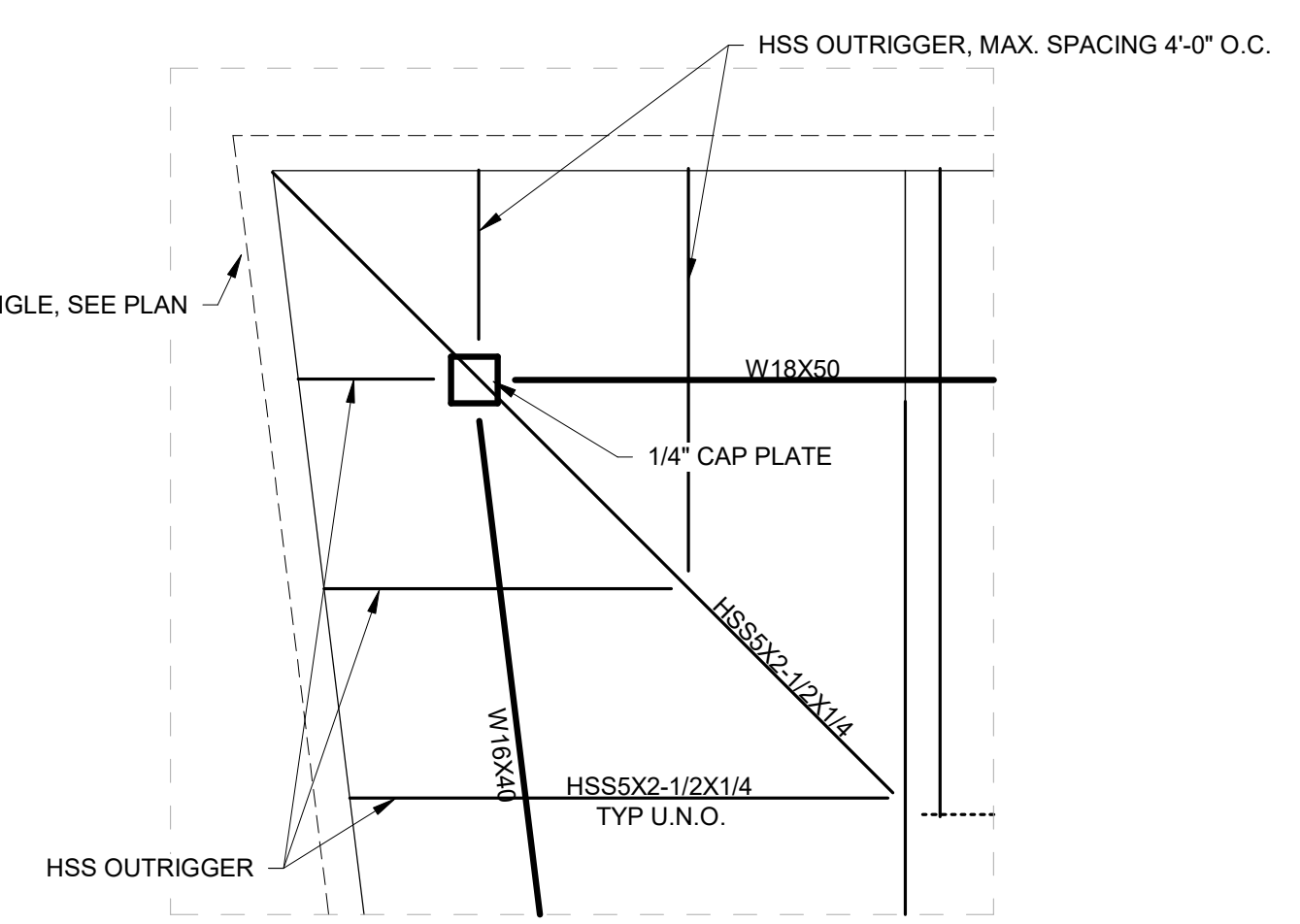


- NOTES:**
- ATTACH DECK TO JOIST W/ #12 SCREWS IN PRE-DRILLED HOLES FOR BASE MATERIAL THICKER THAN 1/4" USE HILTI 0.157"Ø X-U P.A.F.'S FOR ATTACHMENT.
 - PROVIDE #10 SCREWS FOR SIDELAP FASTENING OF DECKS TOGETHER. LOCATE #10 SCREWS @ 12" O.C.

2 ROOF DECK ATTACHMENT
 1" = 1'-0"



3 OUTRIGGER CONNECTION DETAIL
 3/4" = 1'-0"



4 TYP. OUTRIGGER CONFIGURATION
 3/8" = 1'-0"

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY

REVISION 2 - 2/28/24 RFI REVISIONS

REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PROJECT TEAM:

CIVIL
KENNETH HORNE & ASSOCIATES

LANDSCAPE
FORME DESIGN GROUP

STRUCTURAL
MCCARTHY ENGINEERING

ARCHITECTURAL
CALDWELL ASSOCIATES

FIRE PROTECTION
H.M. YONGE & ASSOCIATES

MECHANICAL/PLUMBING
H.M. YONGE & ASSOCIATES

ELECTRICAL
KLOCKE & ASSOCIATES

PROJECT:

CREATIVE LEARNING

ACADEMY

3151 HYDE PARK RD.

PENSACOLA, FL

SEAL

PROJECT NO. : 22028

SHEET TITLE :

FRAMING

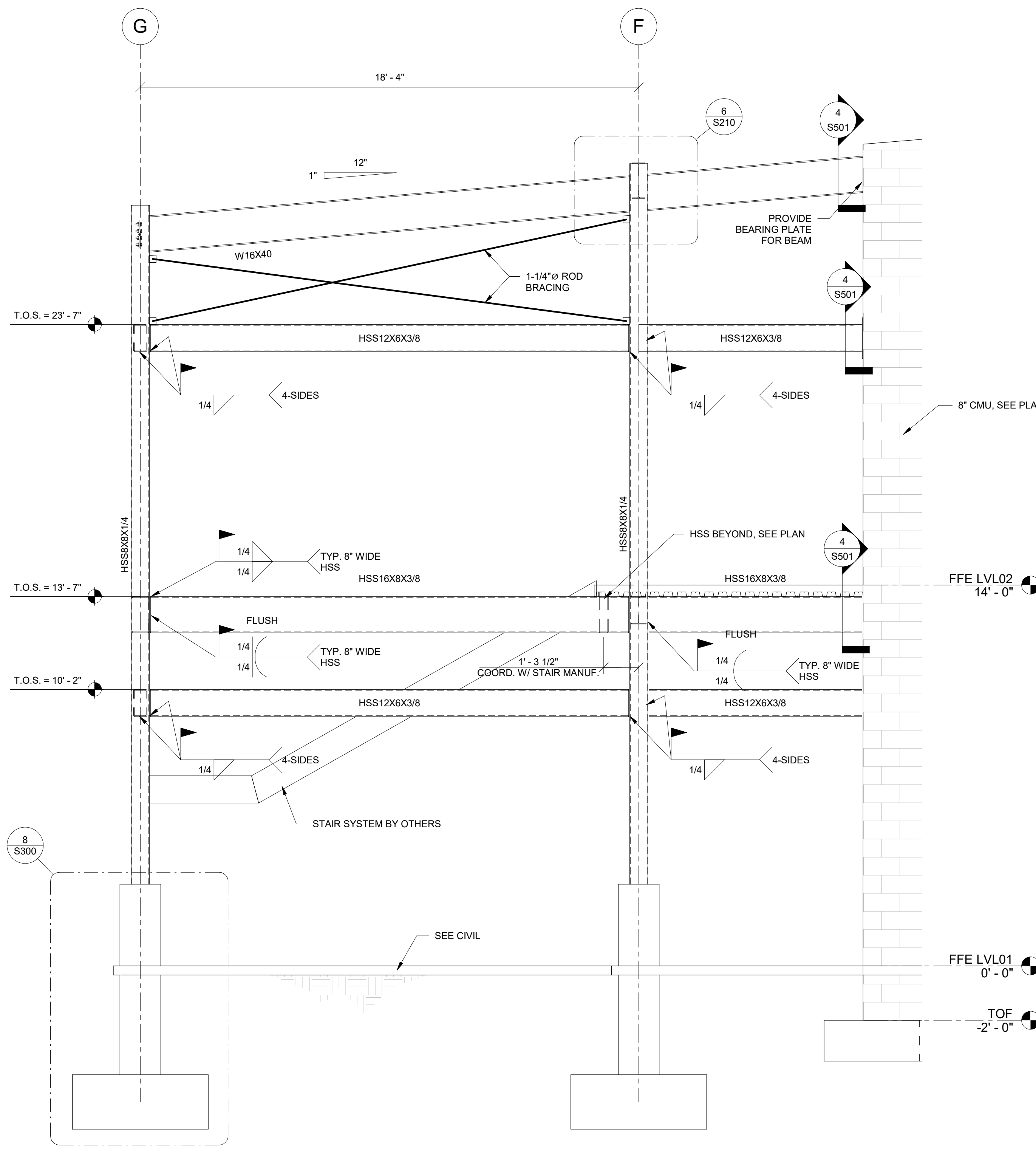
ELEVATIONS

SHEET NUMBER :

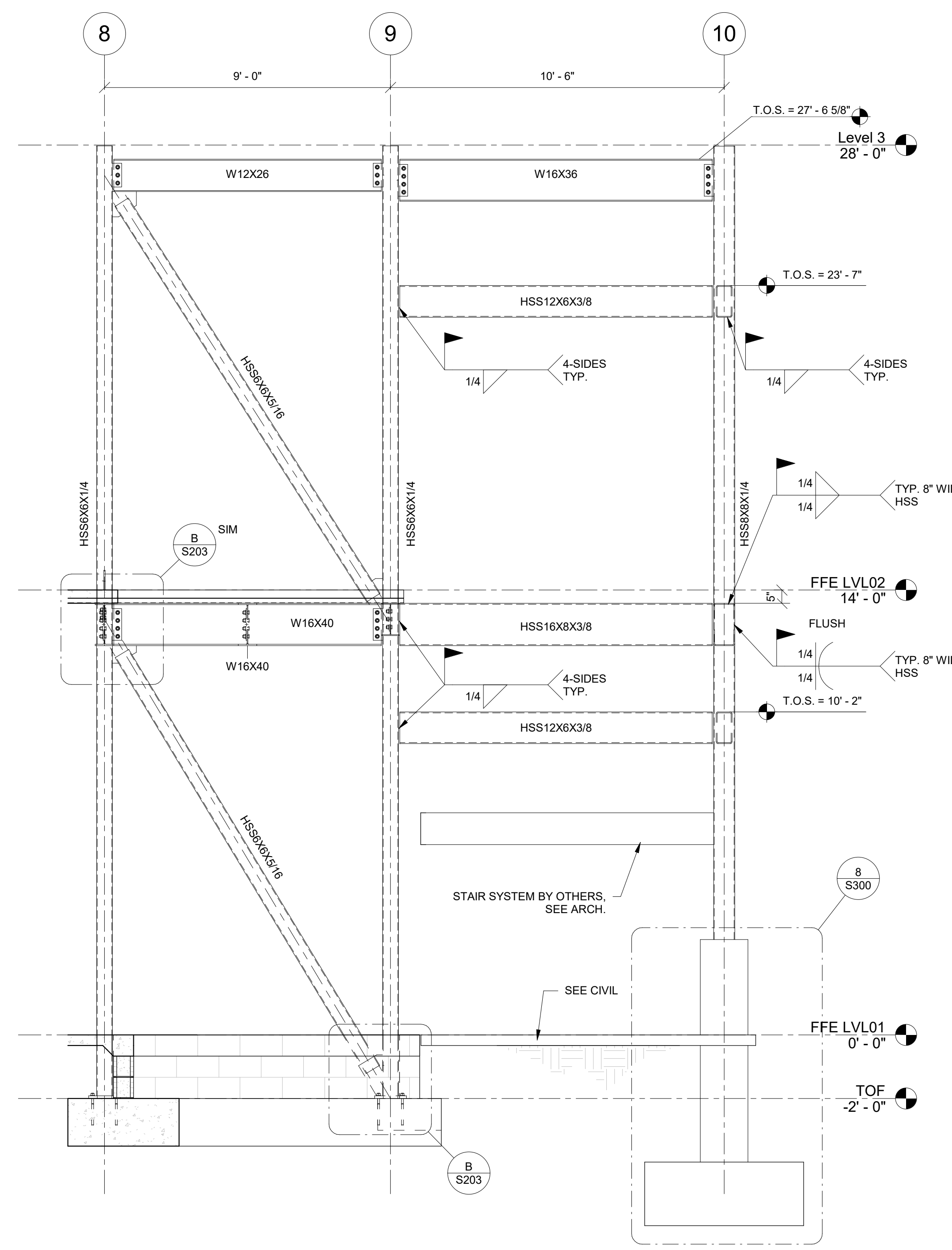
S200

SHEET NOTES:

- CONTRACTOR TO ENGAGE STRUCTURAL STEEL DETAILER TO PROVIDE SHOP DRAWINGS FOR ALL CONNECTIONS.
- ALL GUSSET CONNECTIONS SHALL HAVE MINIMUM TWO SIDES OF 1/4" FILLET WELD 4" LONG. PROVIDE DETAILED SHOP DRAWINGS INDICATING THIS REQUIREMENT IS MET.
- CONTRACTOR TO COAT ENTIRE GALVANIZED STEEL SYSTEM WITH A TNEMEC COATING SYSTEM. OWNER/ARCHITECT TO SELECT COLOR.



1 EXTERIOR FRAME DETAIL 1
3/8" = 1'-0"



2 EXTERIOR FRAME DETAIL 2
3/8" = 1'-0"

PRINT DATE: 2024-04-18 12:39:33 PM

PROJECT ISSUES:
SCHEMATIC DESIGN: 6/25/2023
DESIGN DEVELOPMENT: 8/21/2023
100% CONSTRUCTION DOCUMENTS: 11/17/2023
REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RF1 REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS
CONFORMANCE SET 4/16/2024

PROJECT TEAM:
CIVIL: KENNETH HORNE & ASSOCIATES
LANDSCAPE: FORME DESIGN GROUP
STRUCTURAL: MCCARTHY ENGINEERING
ARCHITECTURAL: CALDWELL ASSOCIATES
FIRE PROTECTION: H.M. YONGE & ASSOCIATES
MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

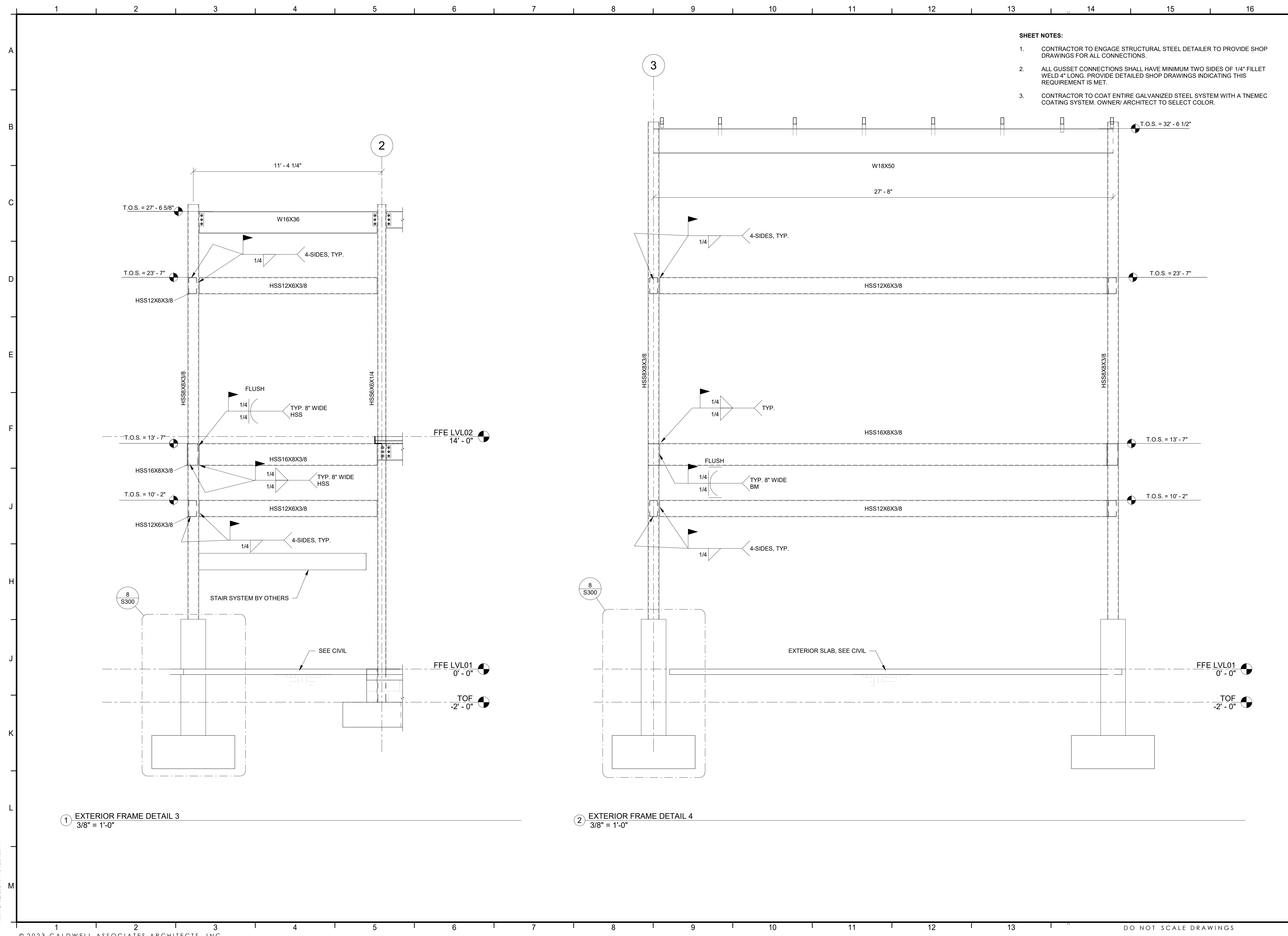
3151 HYDE PARK RD.
PENSACOLA, FL
SEAL

PROJECT NO.: 22028
SHEET TITLE:

FRAMING ELEVATIONS
SHEET NUMBER:
S201

SHEET NOTES:

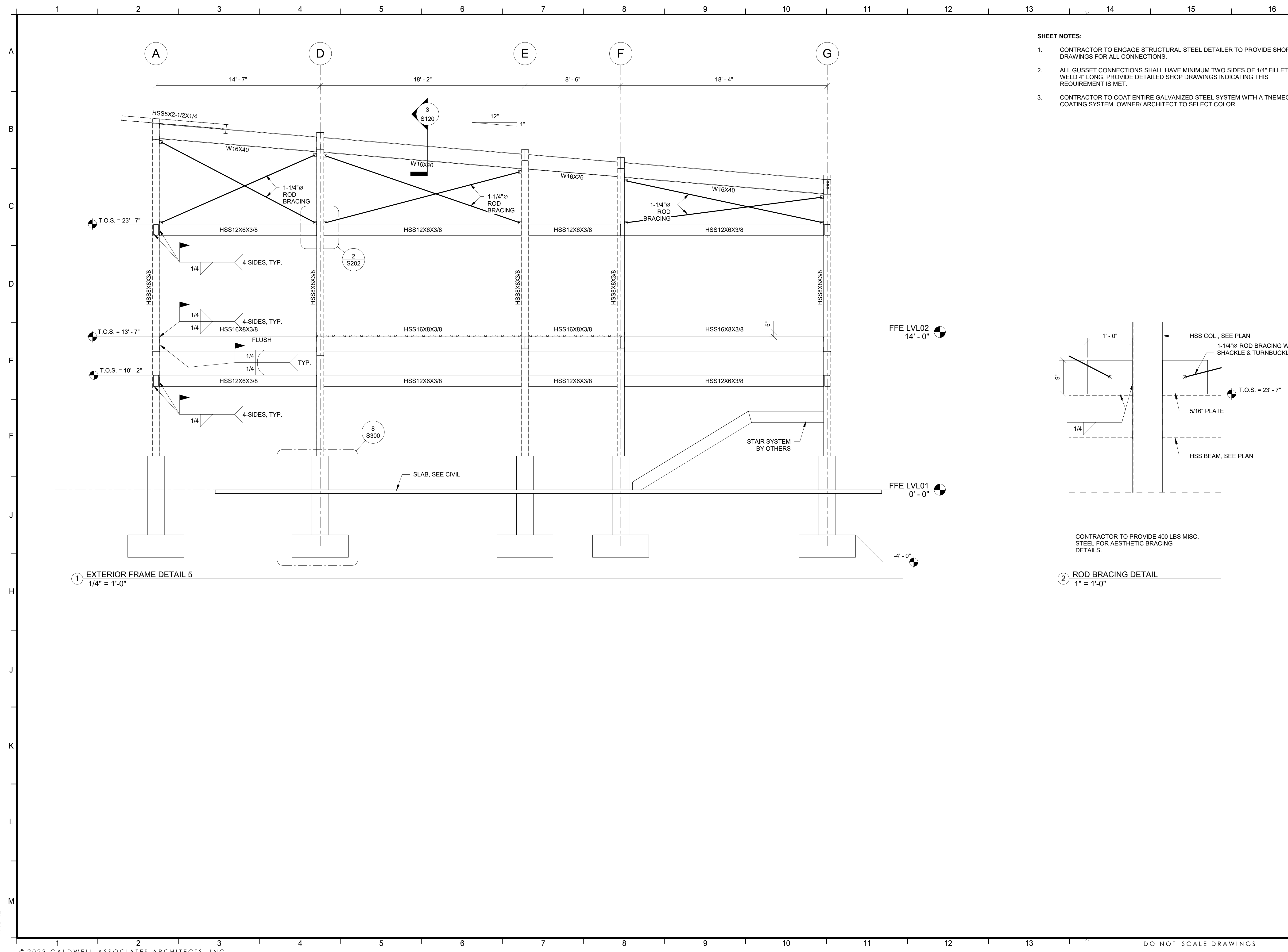
- CONTRACTOR TO ENGAGE STRUCTURAL STEEL DETAILER TO PROVIDE SHOP DRAWINGS FOR ALL CONNECTIONS.
- ALL GUSSET CONNECTIONS SHALL HAVE MINIMUM TWO SIDES OF 1/4" FILLET WELD 4" LONG. PROVIDE DETAILED SHOP DRAWINGS INDICATING THIS REQUIREMENT IS MET.
- CONTRACTOR TO COAT ENTIRE GALVANIZED STEEL SYSTEM WITH A TNEPEC COATING SYSTEM. OWNER/ARCHITECT TO SELECT COLOR.



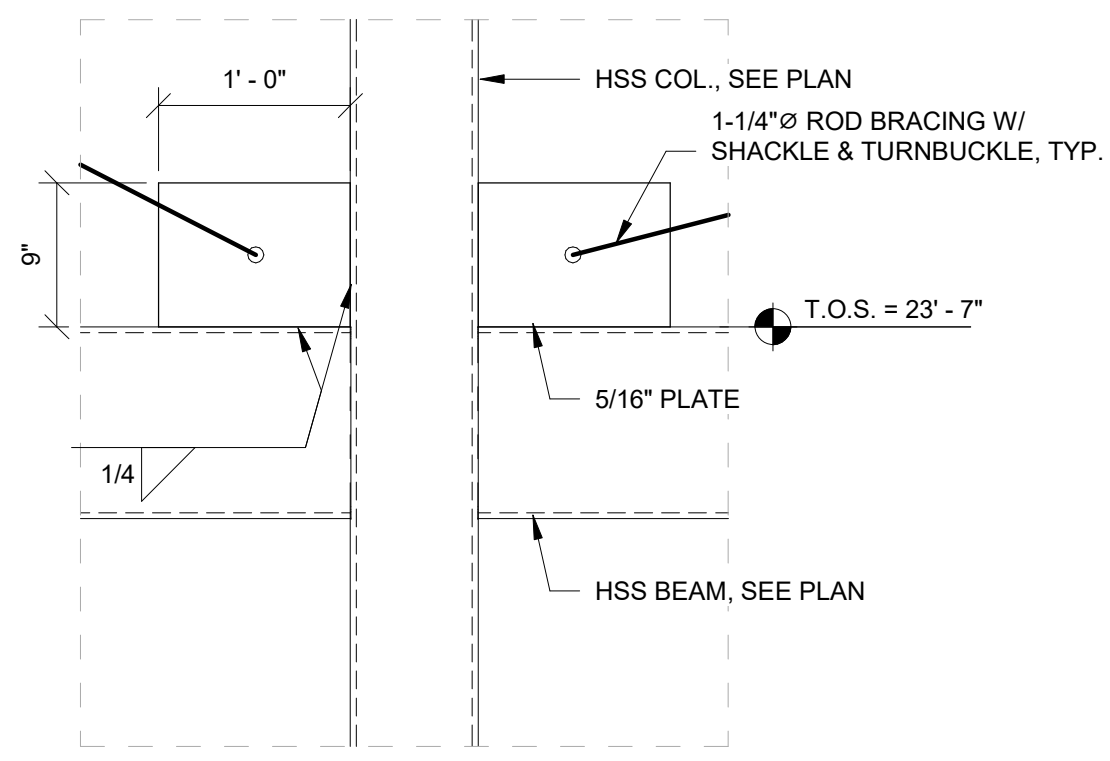
1 EXTERIOR FRAME DETAIL 3
3/8" = 1'-0"

2 EXTERIOR FRAME DETAIL 4
3/8" = 1'-0"

PRINT DATE: 2024-04-18 12:39:33 PM



- SHEET NOTES:**
- CONTRACTOR TO ENGAGE STRUCTURAL STEEL DETAILER TO PROVIDE SHOP DRAWINGS FOR ALL CONNECTIONS.
 - ALL GUSSET CONNECTIONS SHALL HAVE MINIMUM TWO SIDES OF 1/4" FILLET WELD 4" LONG. PROVIDE DETAILED SHOP DRAWINGS INDICATING THIS REQUIREMENT IS MET.
 - CONTRACTOR TO COAT ENTIRE GALVANIZED STEEL SYSTEM WITH A TNE MEC COATING SYSTEM. OWNER/ ARCHITECT TO SELECT COLOR.



CONTRACTOR TO PROVIDE 400 LBS MISC. STEEL FOR AESTHETIC BRACING DETAILS.

2 ROD BRACING DETAIL
1" = 1'-0"

1 EXTERIOR FRAME DETAIL 5
1/4" = 1'-0"

PROJECT ISSUES:

SCHEMATIC DESIGN:	6/25/2023
DESIGN DEVELOPMENT:	8/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023
REVISION 1 - 2/20/24	CIVIL ONLY
REVISION 2 - 2/28/24	RFI REVISIONS
REVISION 3 - 3/21/24	CP COMMENTS
CONFORMANCE SET	4/16/2024

- PROJECT TEAM:**
- CIVIL: KENNETH HORNE & ASSOCIATES
 - LANDSCAPE: FORME DESIGN GROUP
 - STRUCTURAL: MCCARTHY ENGINEERING
 - ARCHITECTURAL: CALDWELL ASSOCIATES
 - FIRE PROTECTION: H.M. YONGE & ASSOCIATES
 - MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
 - ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL
 SEAL

PROJECT NO. : 22028
 SHEET TITLE :

FRAMING ELEVATIONS
 SHEET NUMBER :
S202

SHEET NOTES:

- CONTRACTOR TO ENGAGE STRUCTURAL STEEL DETAILER TO PROVIDE SHOP DRAWINGS FOR ALL CONNECTIONS.
- ALL GUSSET CONNECTIONS SHALL BE 5/16" THICK & HAVE MINIMUM TWO SIDES OF 1/4" FILLET WELD 4" LONG. PROVIDE DETAILED SHOP DRAWINGS INDICATING THIS REQUIREMENT IS MET.

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY

REVISION 2 - 2/28/24 RFI REVISIONS

REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PROJECT TEAM:

- CIVIL: KENNETH HORNE & ASSOCIATES
- LANDSCAPE: FORME DESIGN GROUP
- STRUCTURAL: MCCARTHY ENGINEERING
- ARCHITECTURAL: CALDWELL ASSOCIATES
- FIRE PROTECTION: H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
- ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT:

CREATIVE LEARNING ACADEMY

**3151 HYDE PARK RD.
PENSACOLA, FL**

SEAL

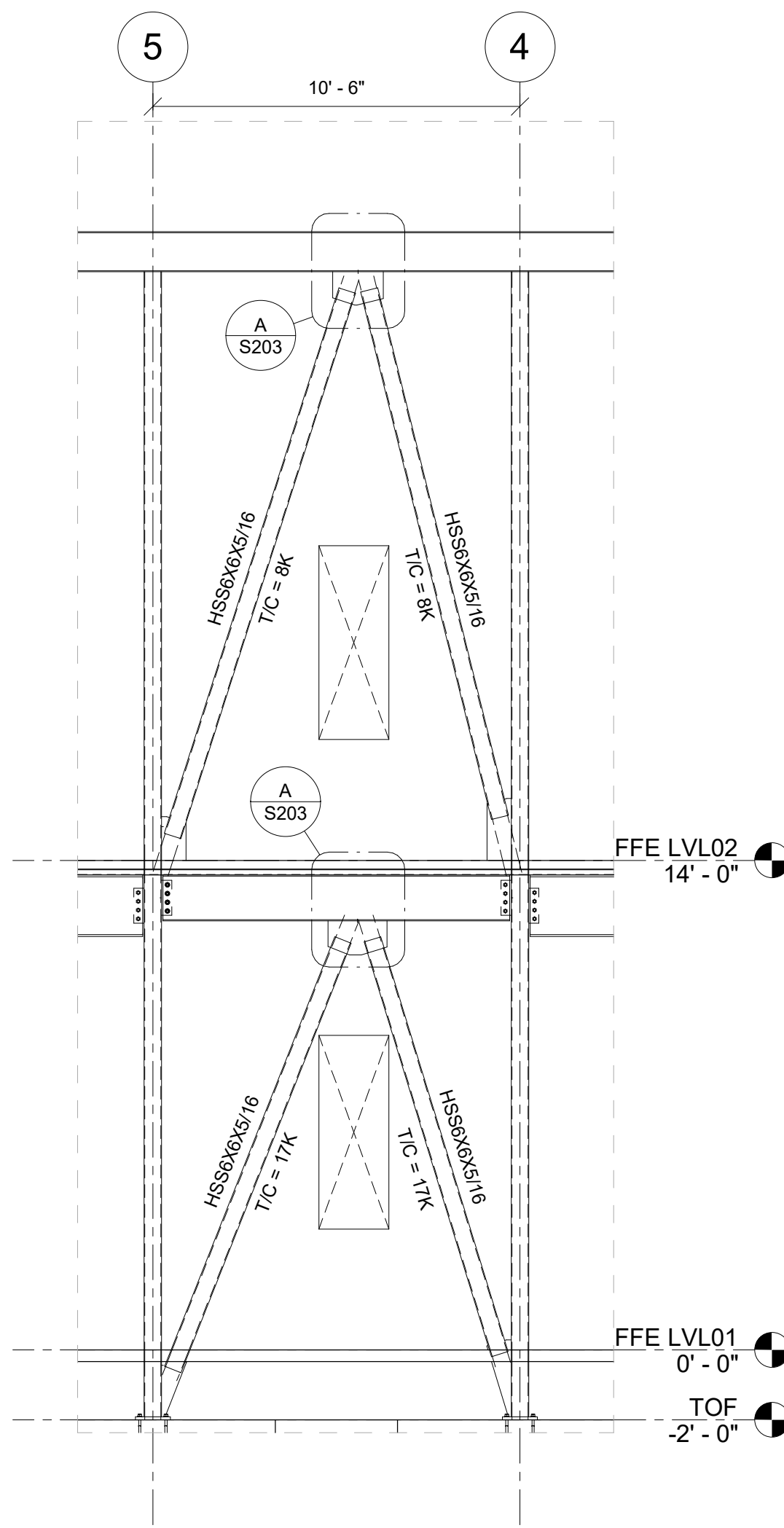
PROJECT NO. : 22028

SHEET TITLE :

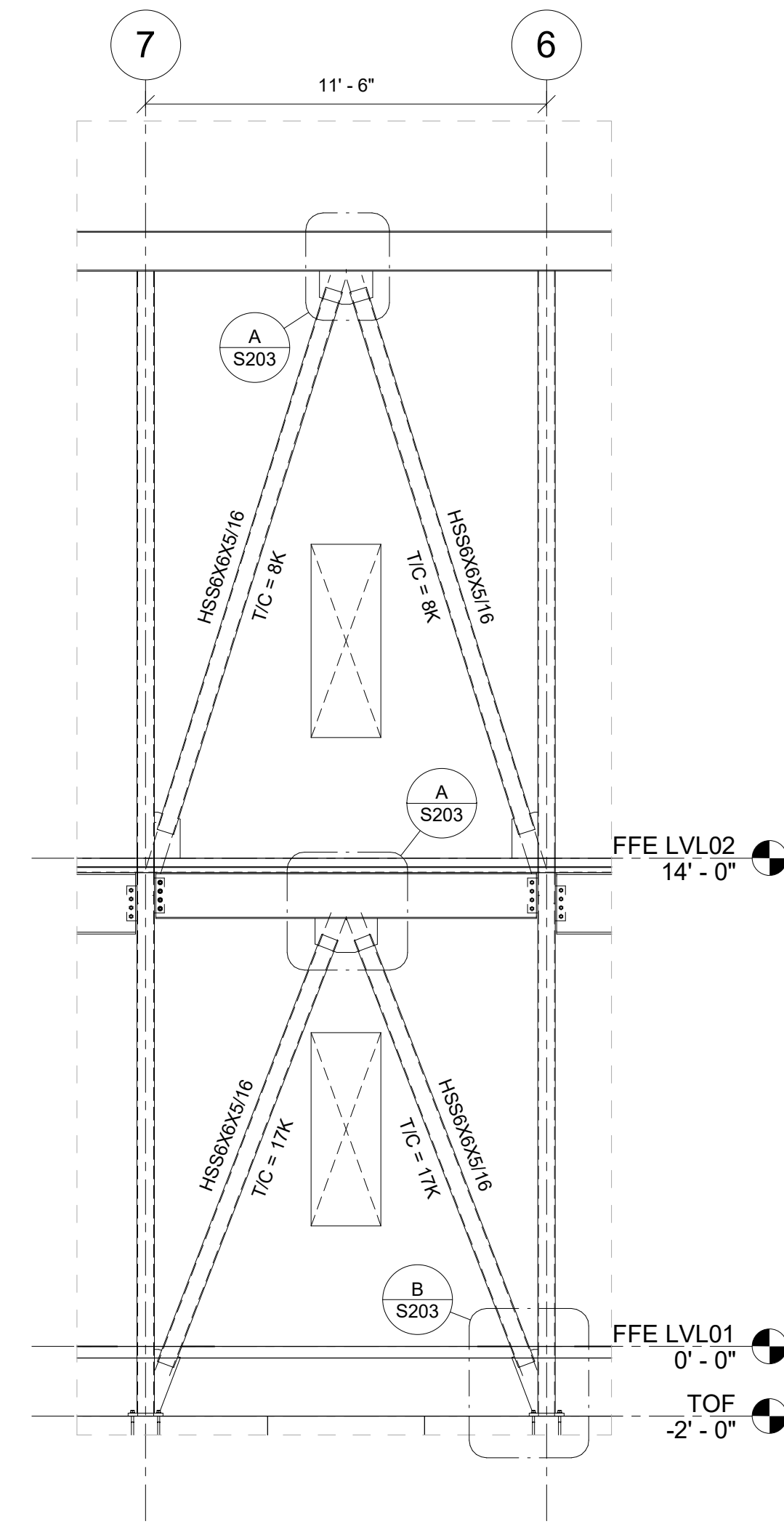
**BRACING
ELEVATION(S)**

SHEET NUMBER :

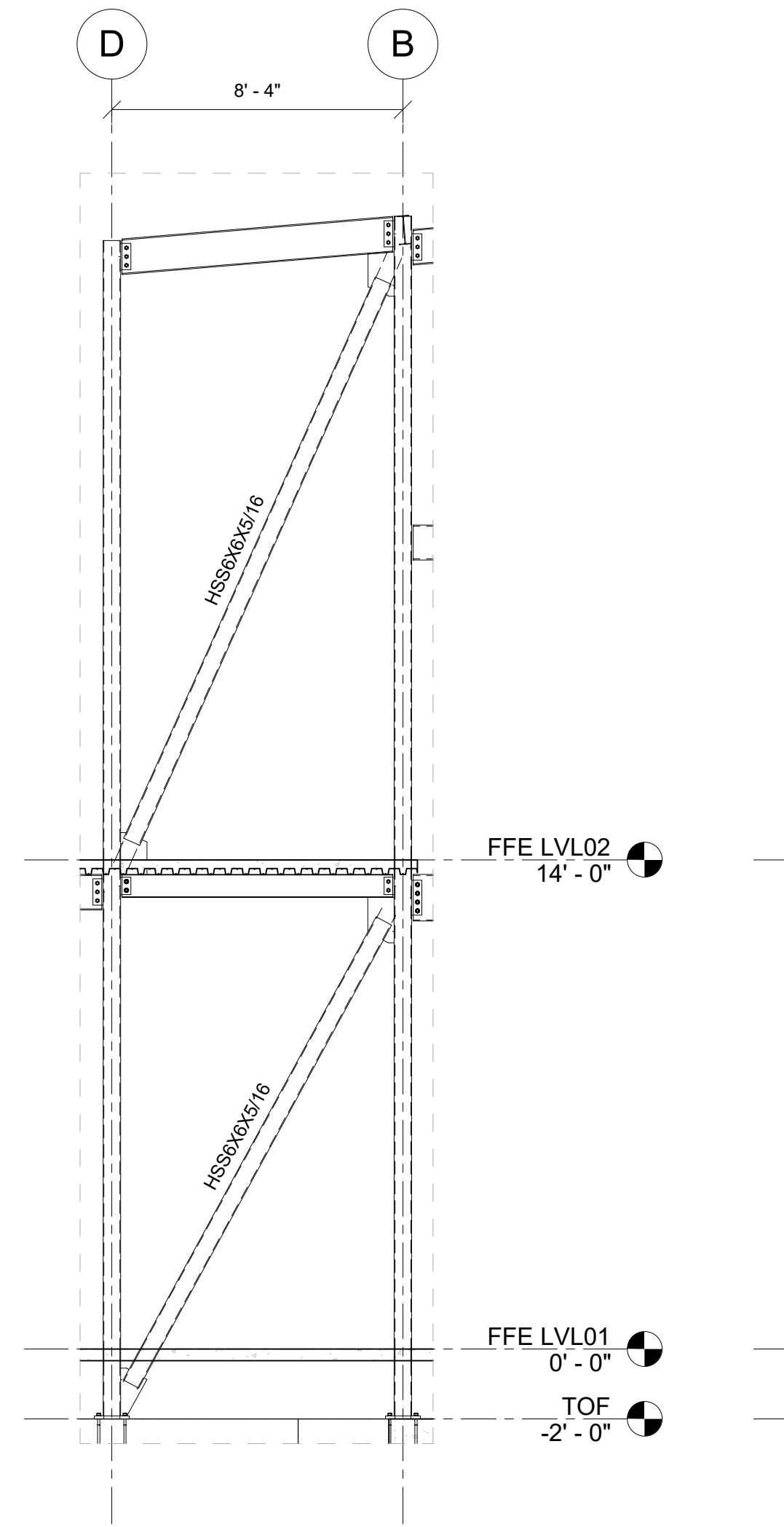
S203



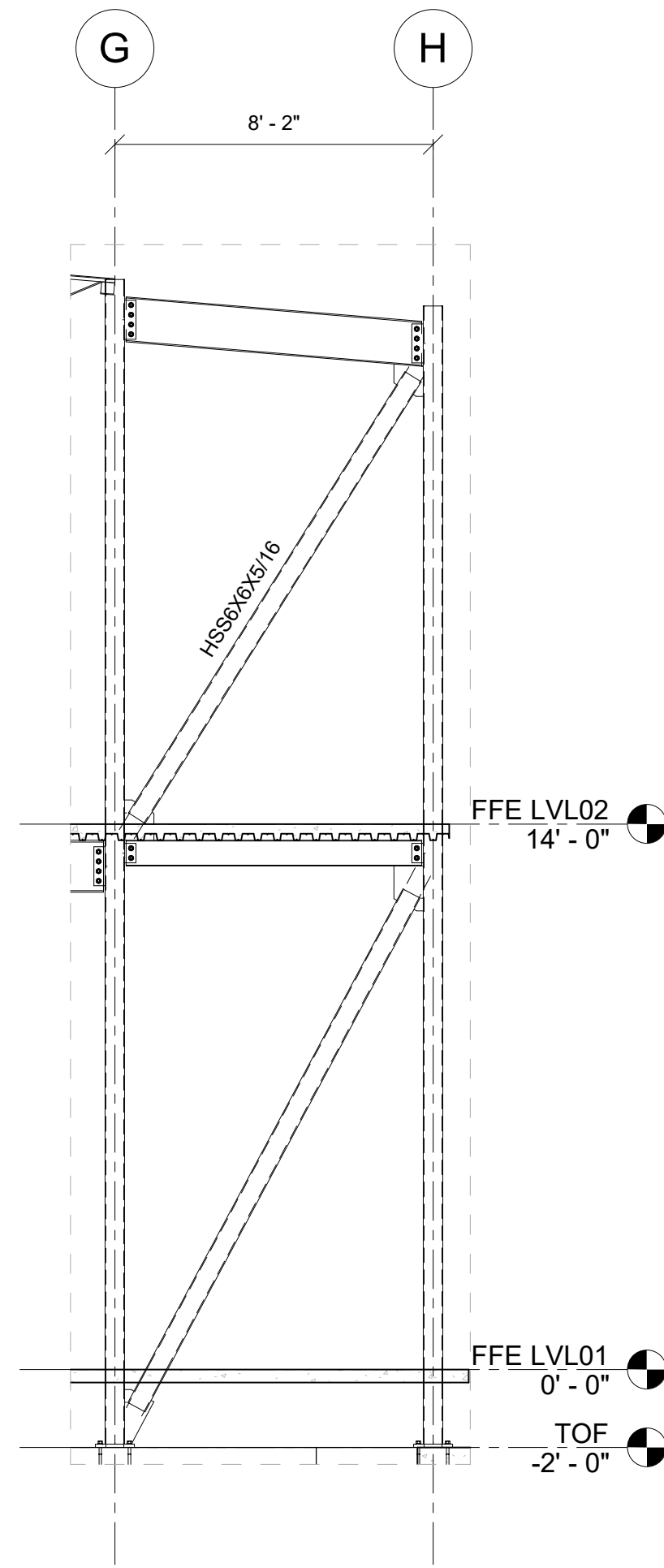
① ELEVATION AT GRID LINE B&H
1/4" = 1'-0"



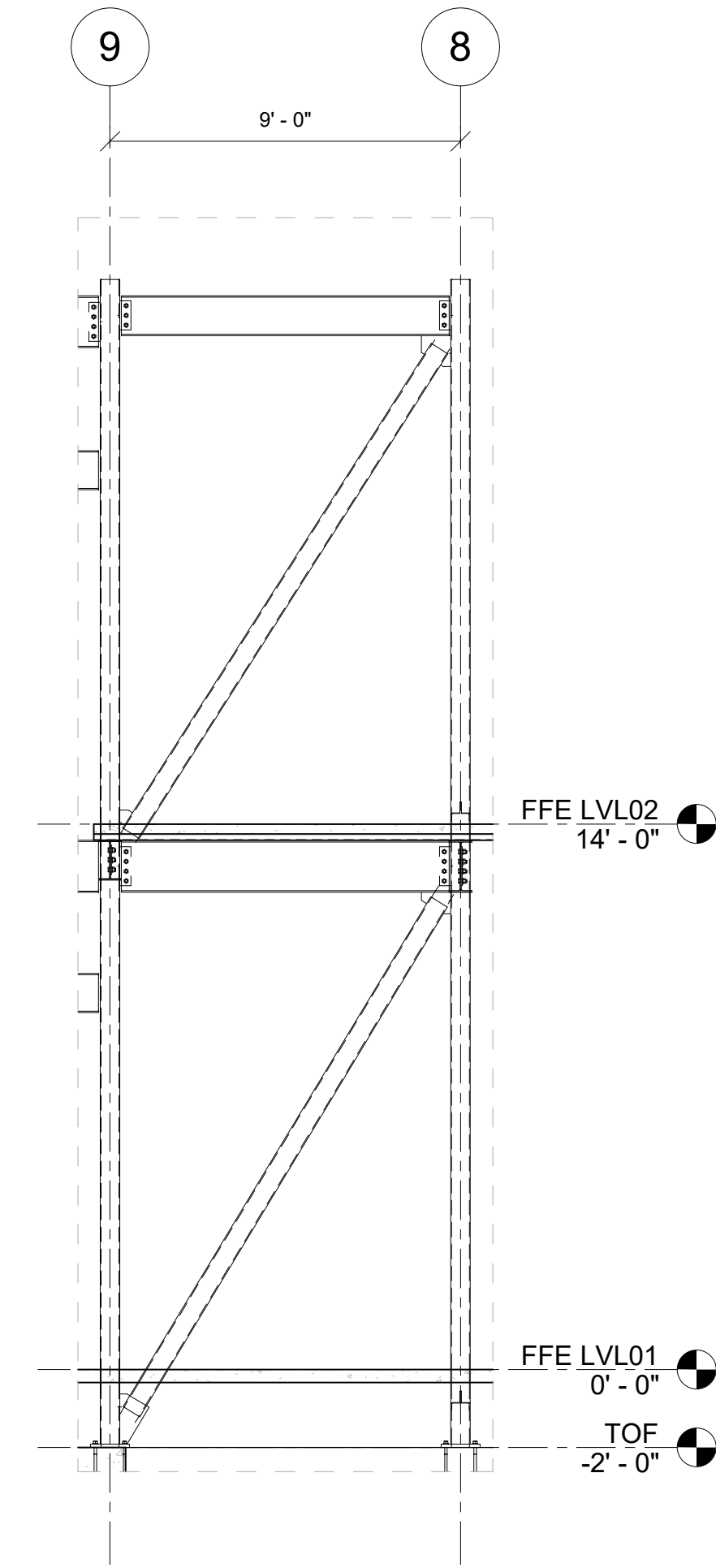
② ELEVATION NO. 2 AT GRID LINE B&H
1/4" = 1'-0"



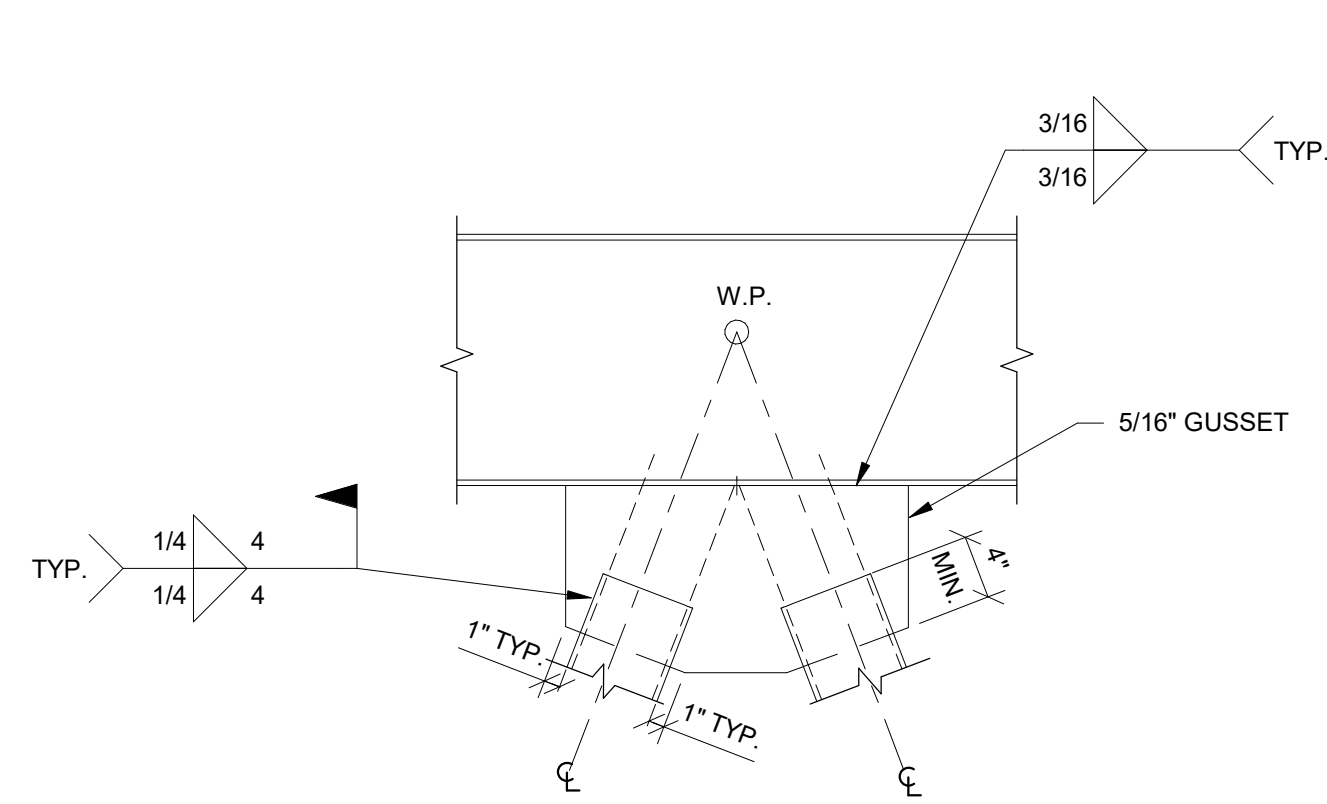
③ ELEVATION NO. 3 AT GRID LINE 3
1/4" = 1'-0"



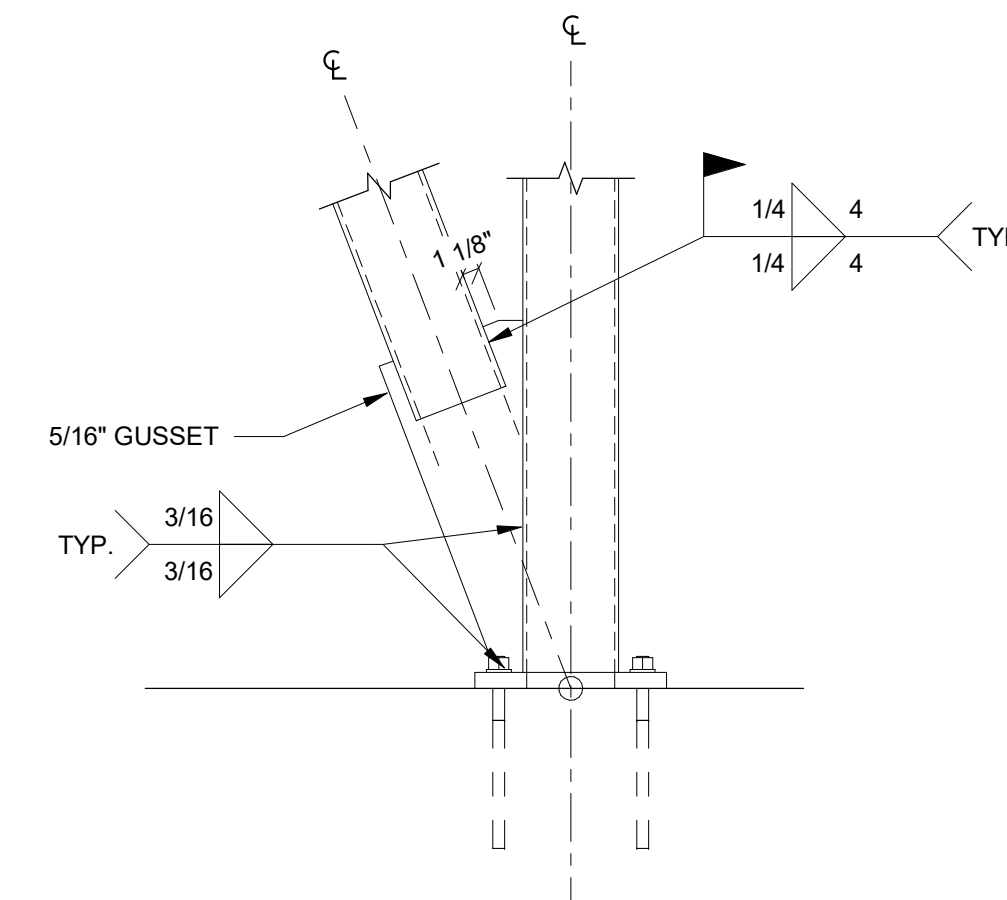
④ ELEVATION NO. 4 AT GRID LINE 8
1/4" = 1'-0"



⑤ ELEVATION NO. 5 AT GRID LINE G
1/4" = 1'-0"



Ⓐ CHEVRON TOP GUSSET
1" = 1'-0"



Ⓑ BASEPLATE GUSSET
1" = 1'-0"

PROJECT ISSUES:
SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RFI REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PROJECT TEAM:

- CIVIL: KENNETH HORNE & ASSOCIATES
- LANDSCAPE: FORME DESIGN GROUP
- STRUCTURAL: MCCARTHY ENGINEERING
- ARCHITECTURAL: CALDWELL ASSOCIATES
- FIRE PROTECTION: H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
- ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

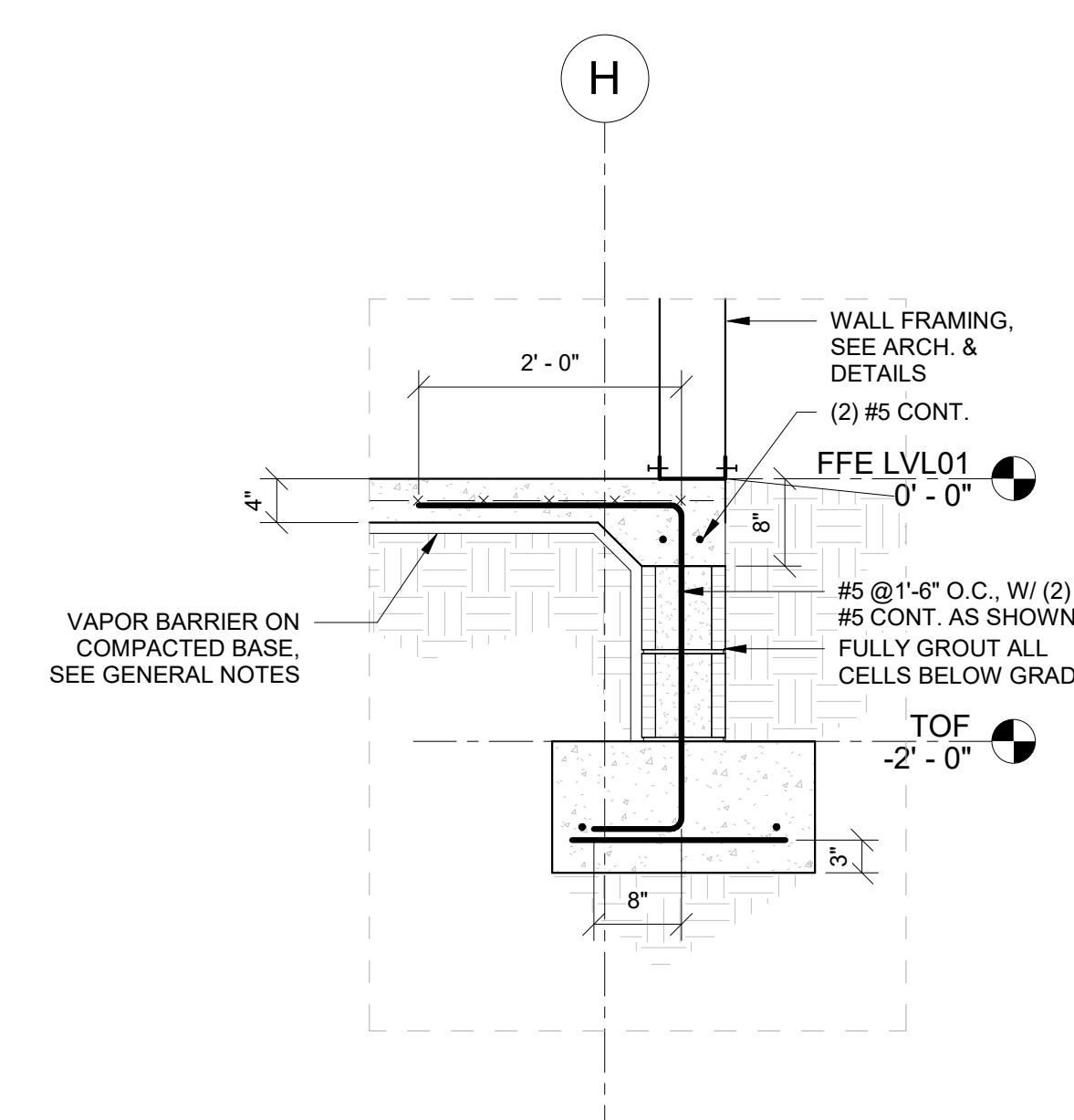
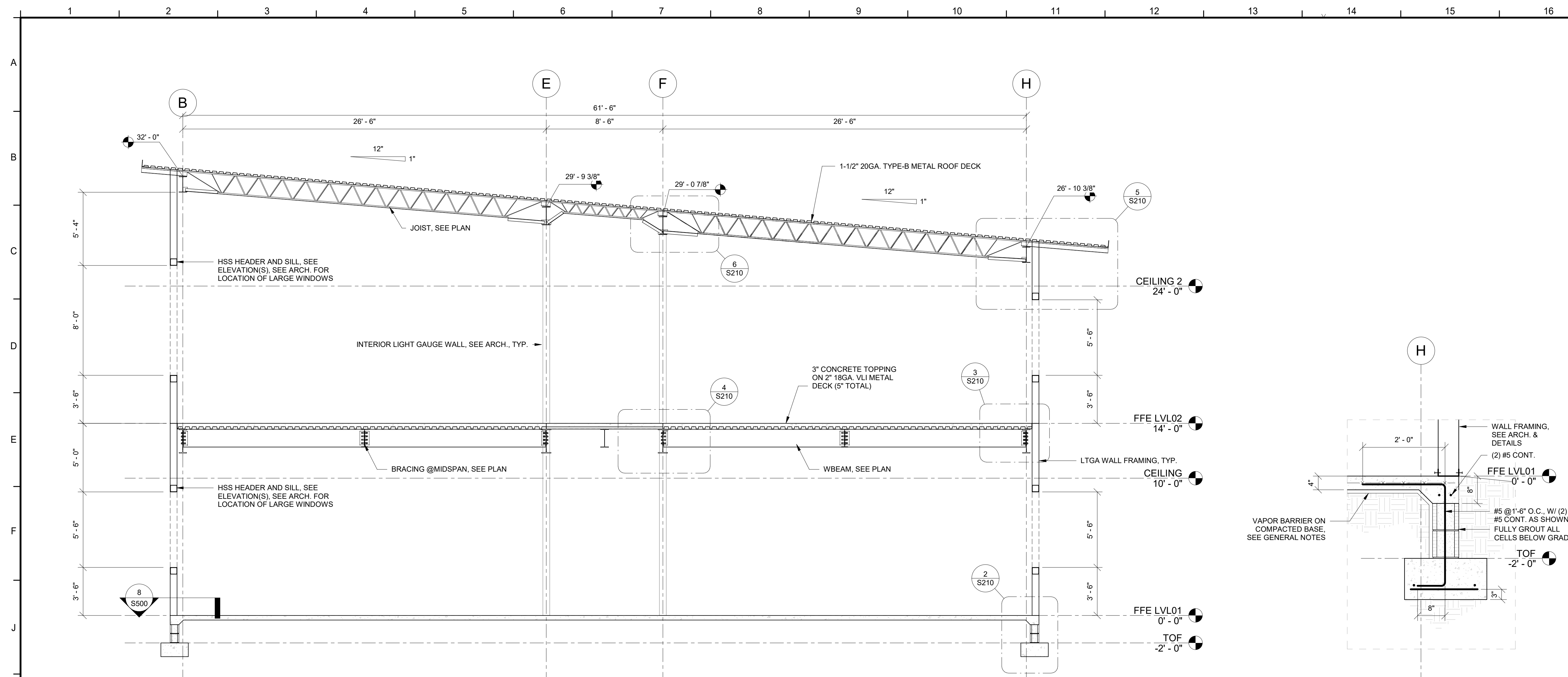
SEAL

PROJECT NO.: 22028
SHEET TITLE:

STRUCTURAL SECTION(S)

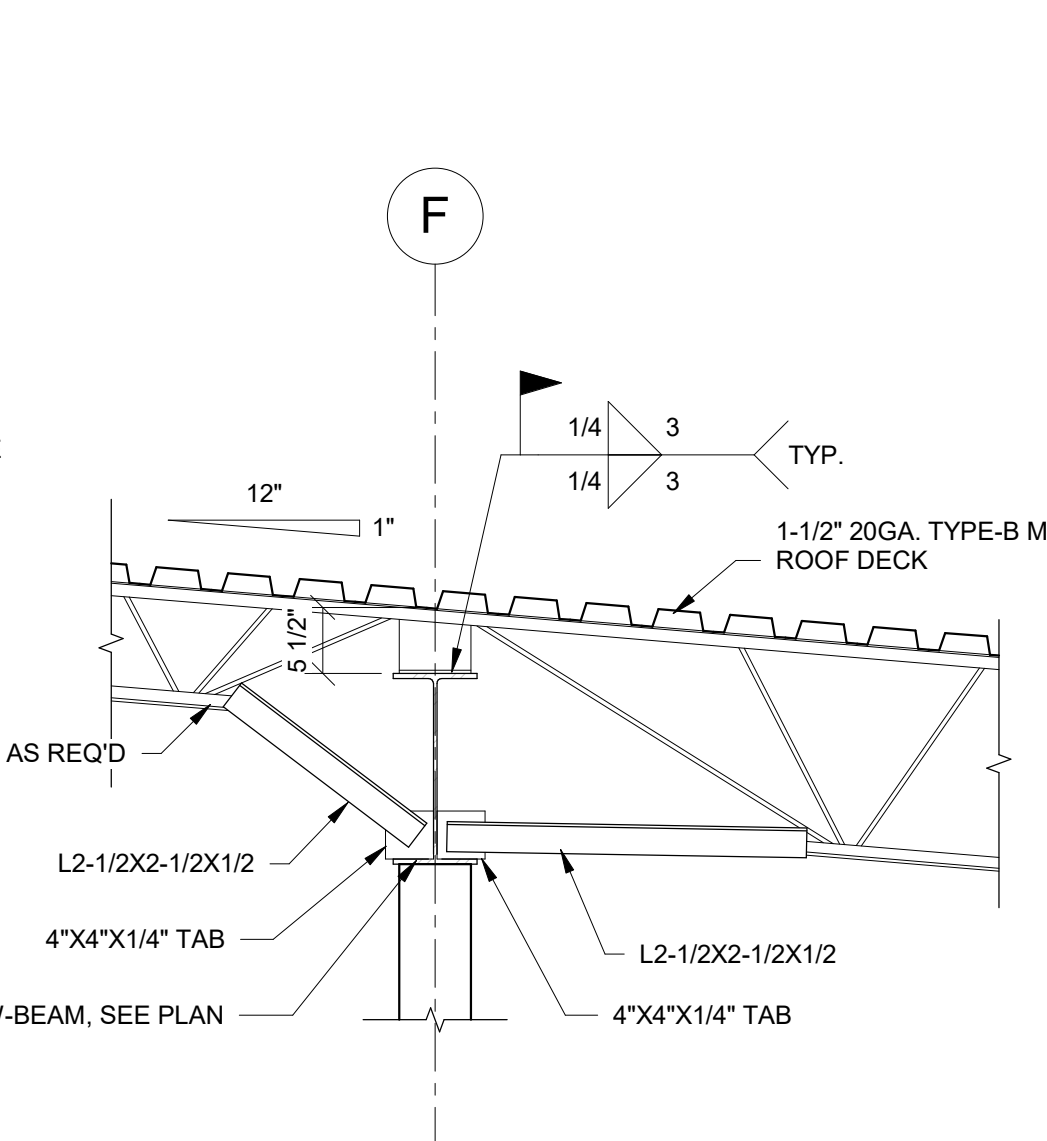
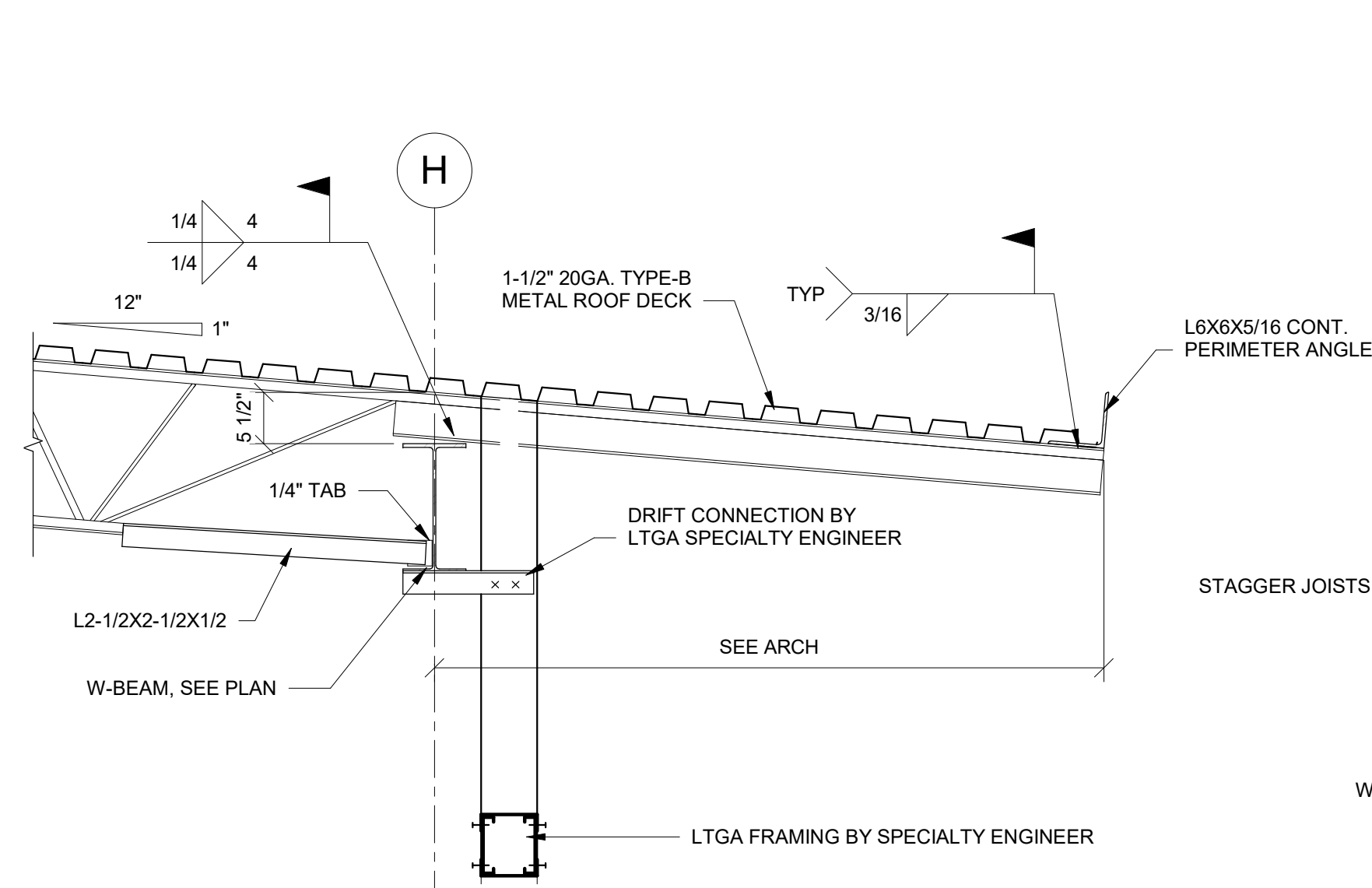
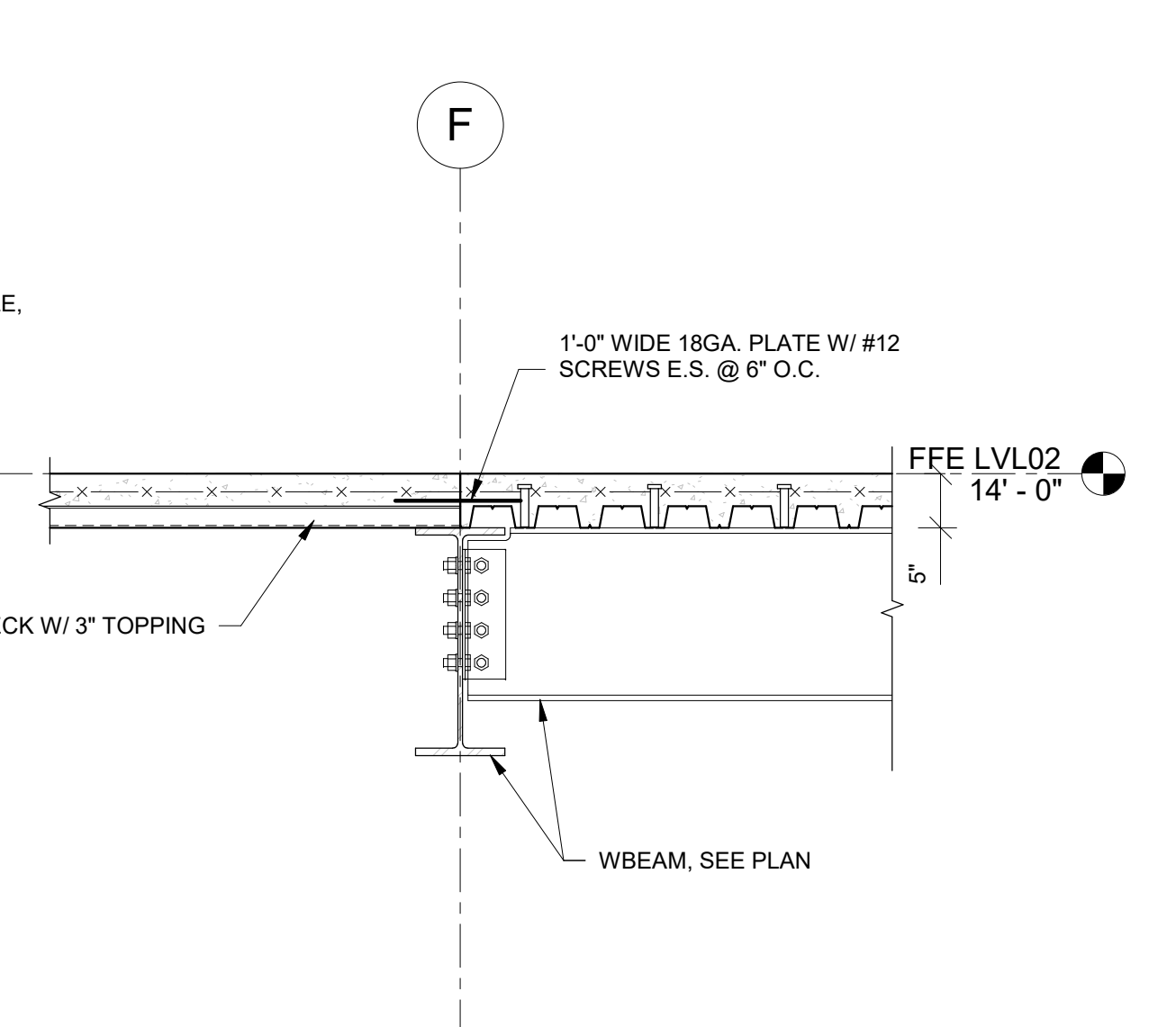
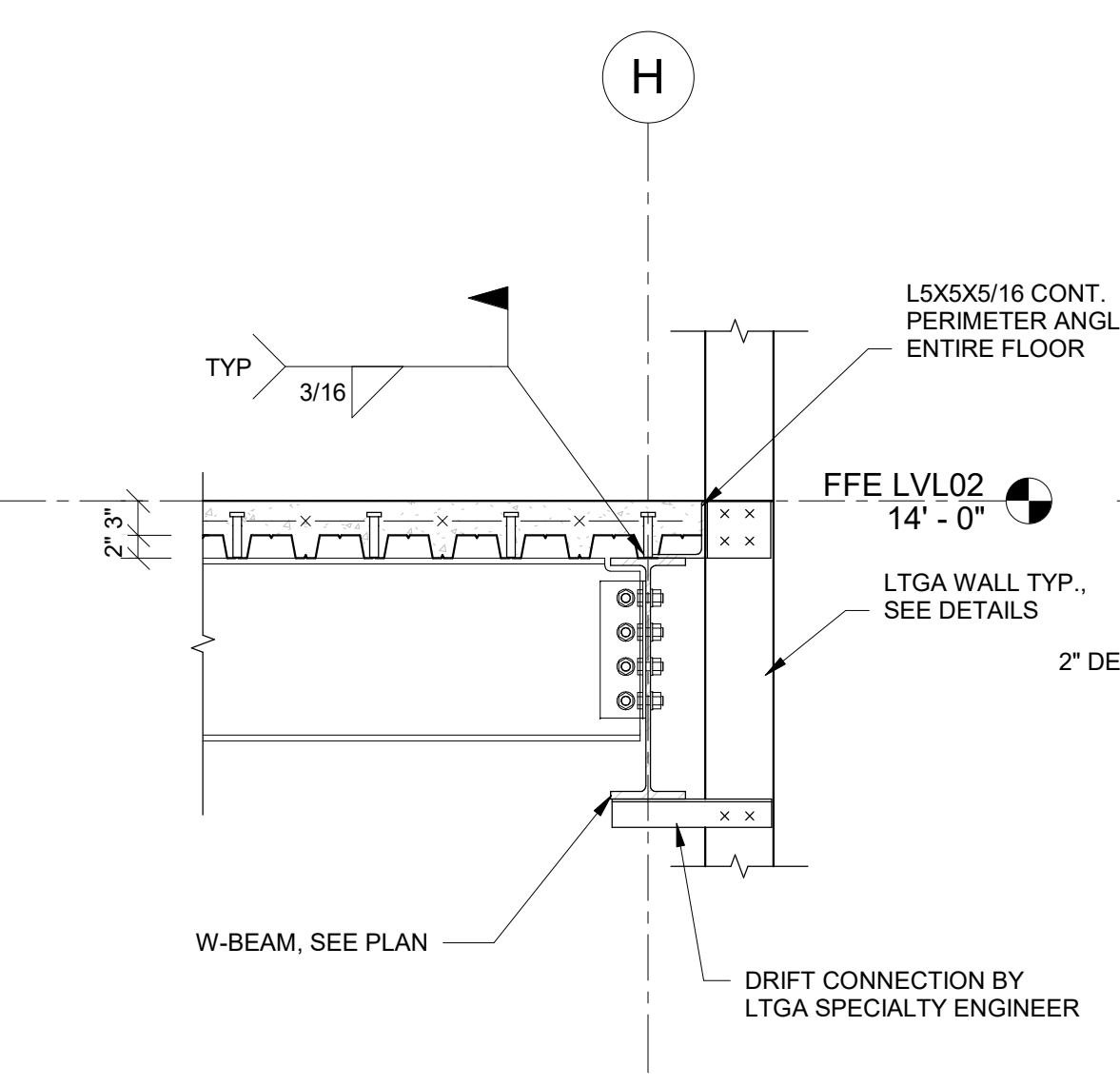
SHEET NUMBER:

S210



1 BUILDING SECTION NO. 1
1/4" = 1'-0"

2 CONCRETE TURNDOWN
3/4" = 1'-0"



3 FLOOR JOIST AT COLUMN
3/4" = 1'-0"

4 FLOOR JOIST AT BEAM
3/4" = 1'-0"

5 ROOF JOIST AT BEAM
3/4" = 1'-0"

6 ROOF JOIST AT COLUMN
3/4" = 1'-0"

PROJECT ISSUES:

SCHEMATIC DESIGN:	6/25/2023
DESIGN DEVELOPMENT:	8/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023
REVISION 1 - 2/20/24	CIVIL ONLY
REVISION 2 - 2/28/24	RFI REVISIONS
REVISION 3 - 3/21/24	CP COMMENTS
CONFORMANCE SET	4/16/2024

PROJECT TEAM:

- CIVIL**
KENNETH HORNE & ASSOCIATES
- LANDSCAPE**
FORME DESIGN GROUP
- STRUCTURAL**
MCCARTHY ENGINEERING
- ARCHITECTURAL**
CALDWELL ASSOCIATES
- FIRE PROTECTION**
H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING**
H.M. YONGE & ASSOCIATES
- ELECTRICAL**
KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

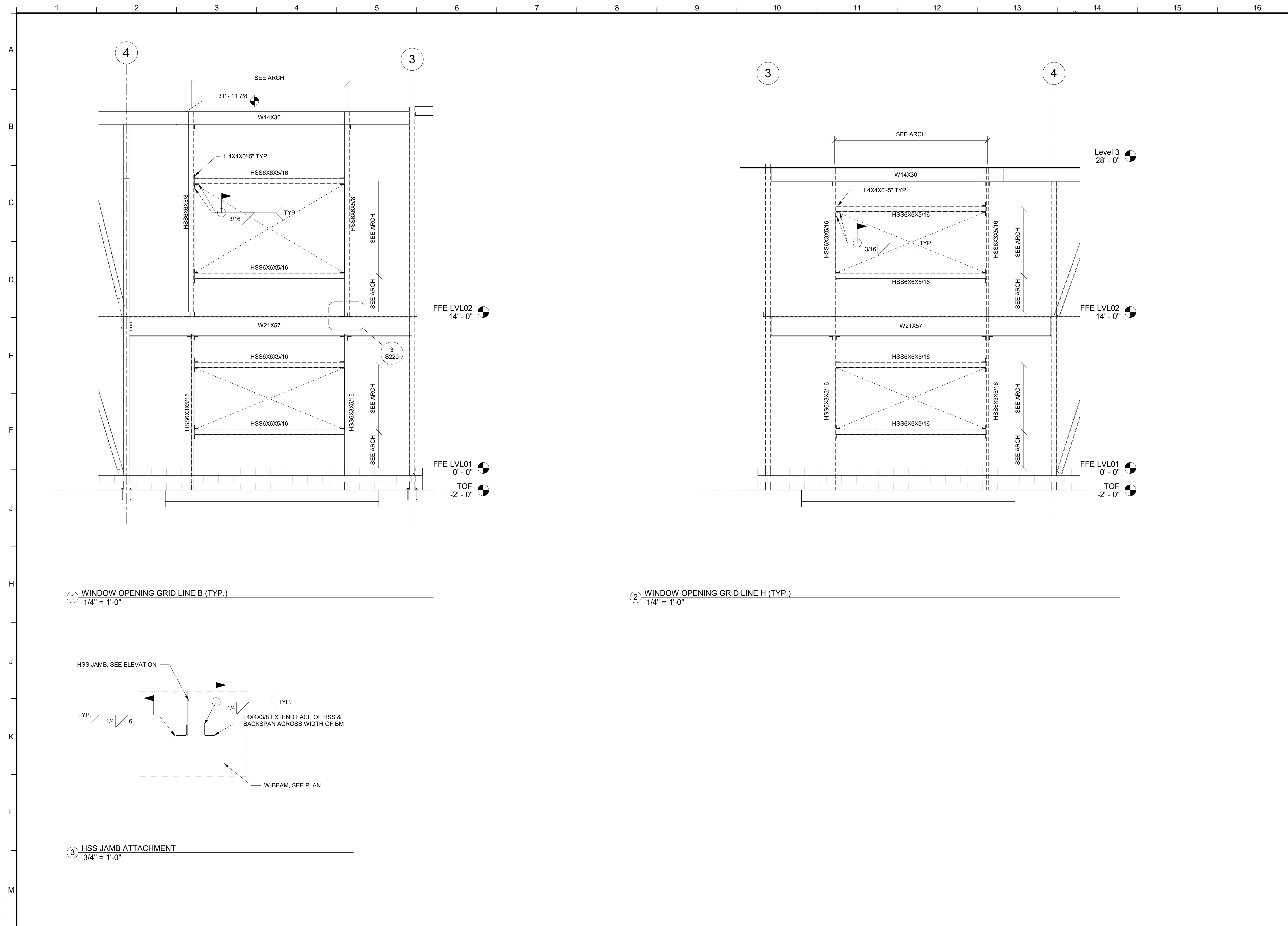
SEAL

PROJECT NO. : 22028
SHEET TITLE :

LARGE OPENING ELEVATION(S)

SHEET NUMBER :

S220



① WINDOW OPENING GRID LINE B (TYP.)
1/4" = 1'-0"

② WINDOW OPENING GRID LINE H (TYP.)
1/4" = 1'-0"

③ HSS JAMB ATTACHMENT
3/4" = 1'-0"

PROJECT ISSUES:

SCHEMATIC DESIGN:	6/25/2023
DESIGN DEVELOPMENT:	8/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023
REVISION 1 - 2/20/24	CIVIL ONLY
REVISION 2 - 2/28/24	RFI REVISIONS
REVISION 3 - 3/21/24	CP COMMENTS
CONFORMANCE SET	4/16/2024

PROJECT TEAM:

- CIVIL**
KENNETH HORNE & ASSOCIATES
- LANDSCAPE**
FORME DESIGN GROUP
- STRUCTURAL**
MCCARTHY ENGINEERING
- ARCHITECTURAL**
CALDWELL ASSOCIATES
- FIRE PROTECTION**
H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING**
H.M. YONGE & ASSOCIATES
- ELECTRICAL**
KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

SEAL

PROJECT NO. : 22028
SHEET TITLE :

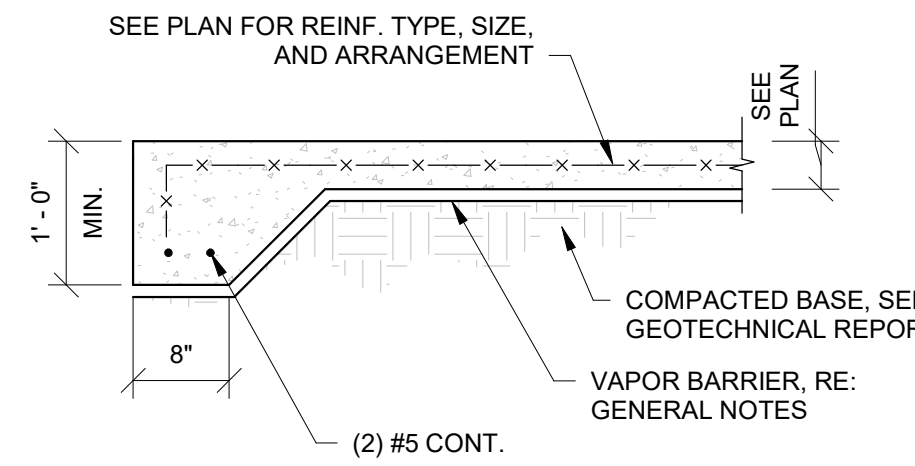
CONCRETE DETAILS

SHEET NUMBER :

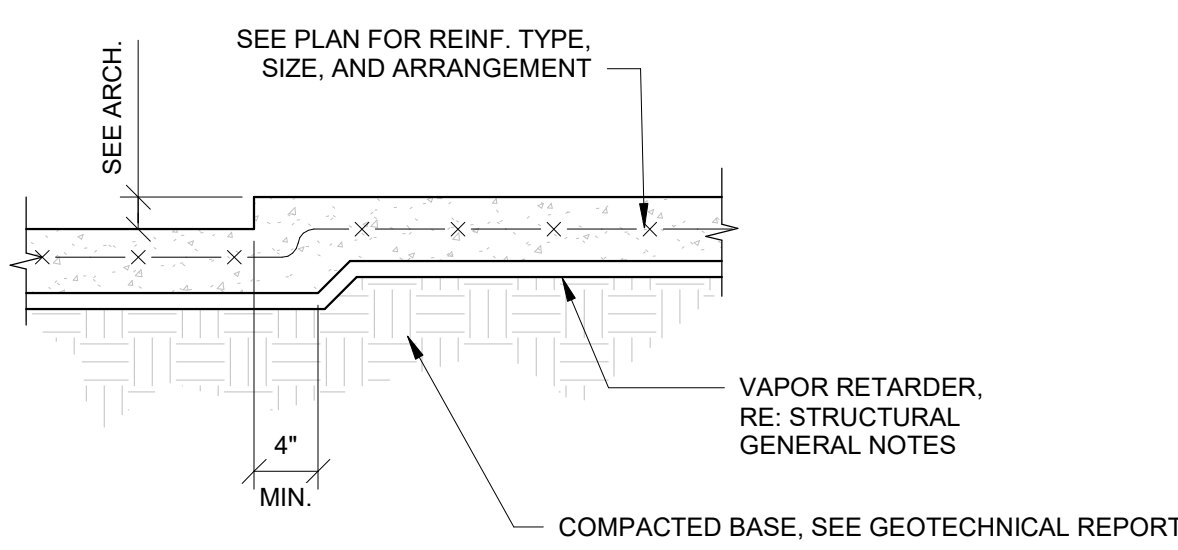
S300

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

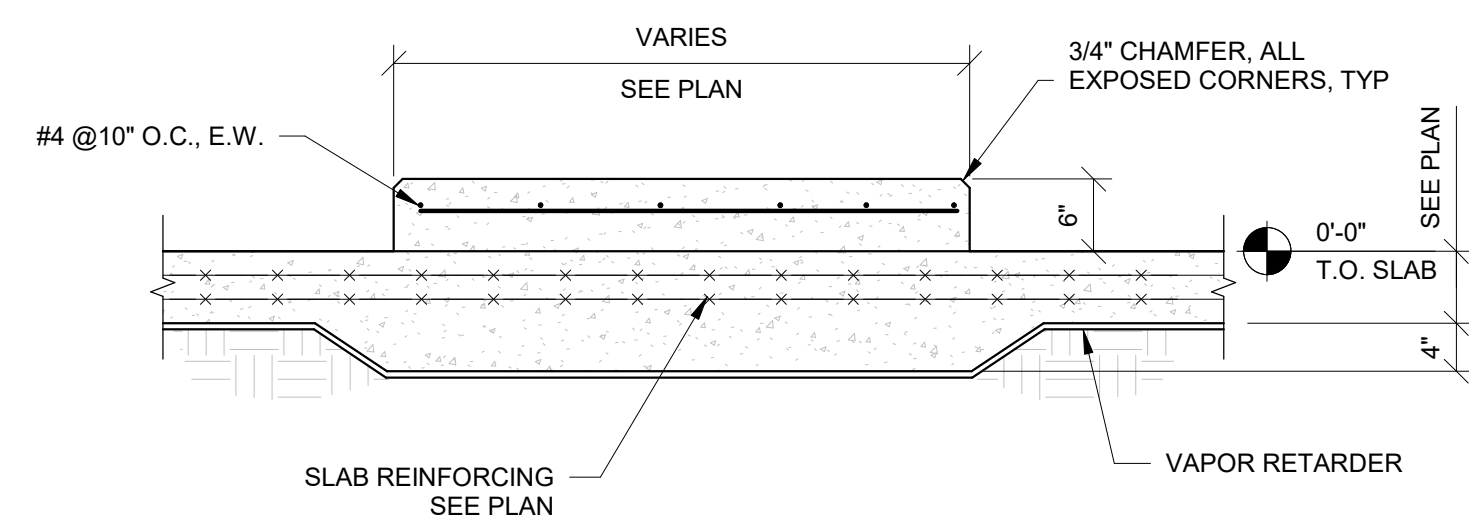
A
B
C
D
E
F
J
H
J
K
L
M



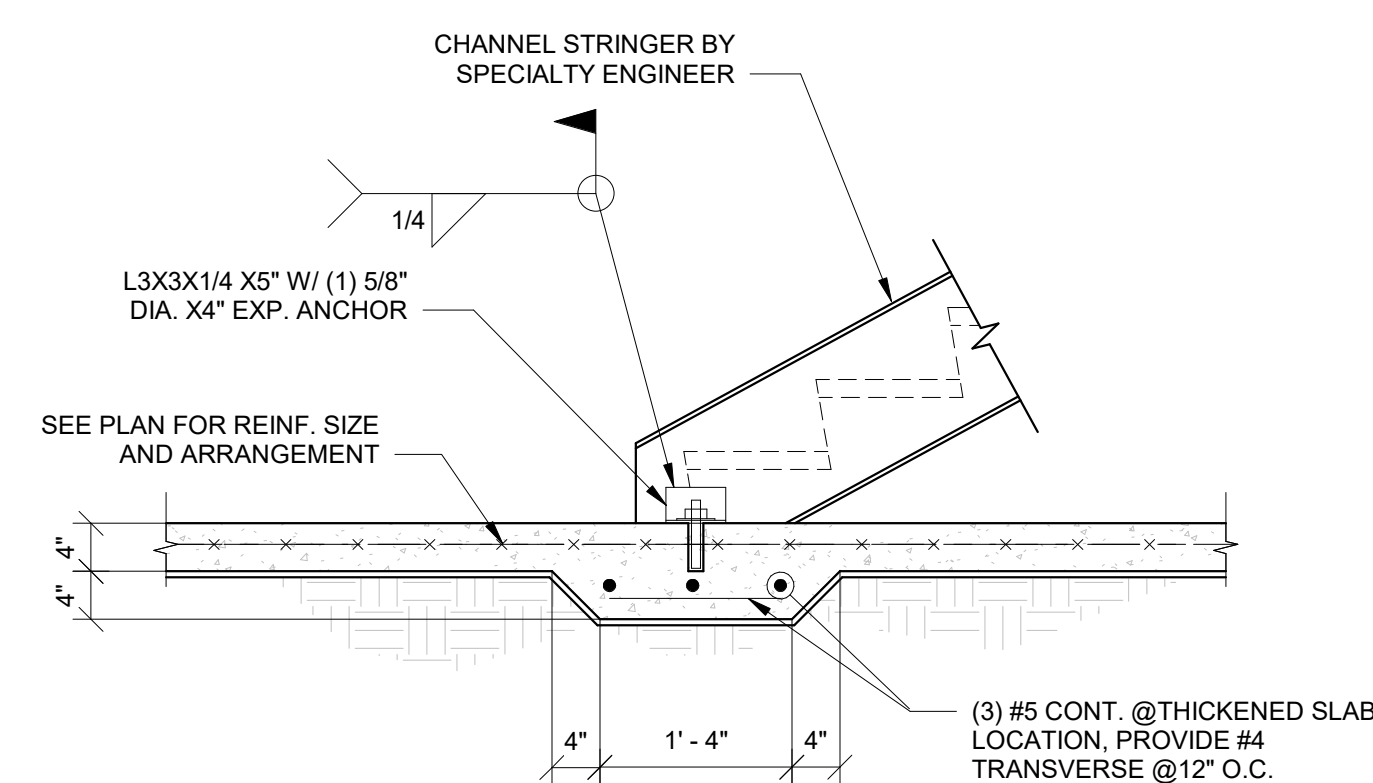
1 SLAB TURNDOWN
3/4" = 1'-0"



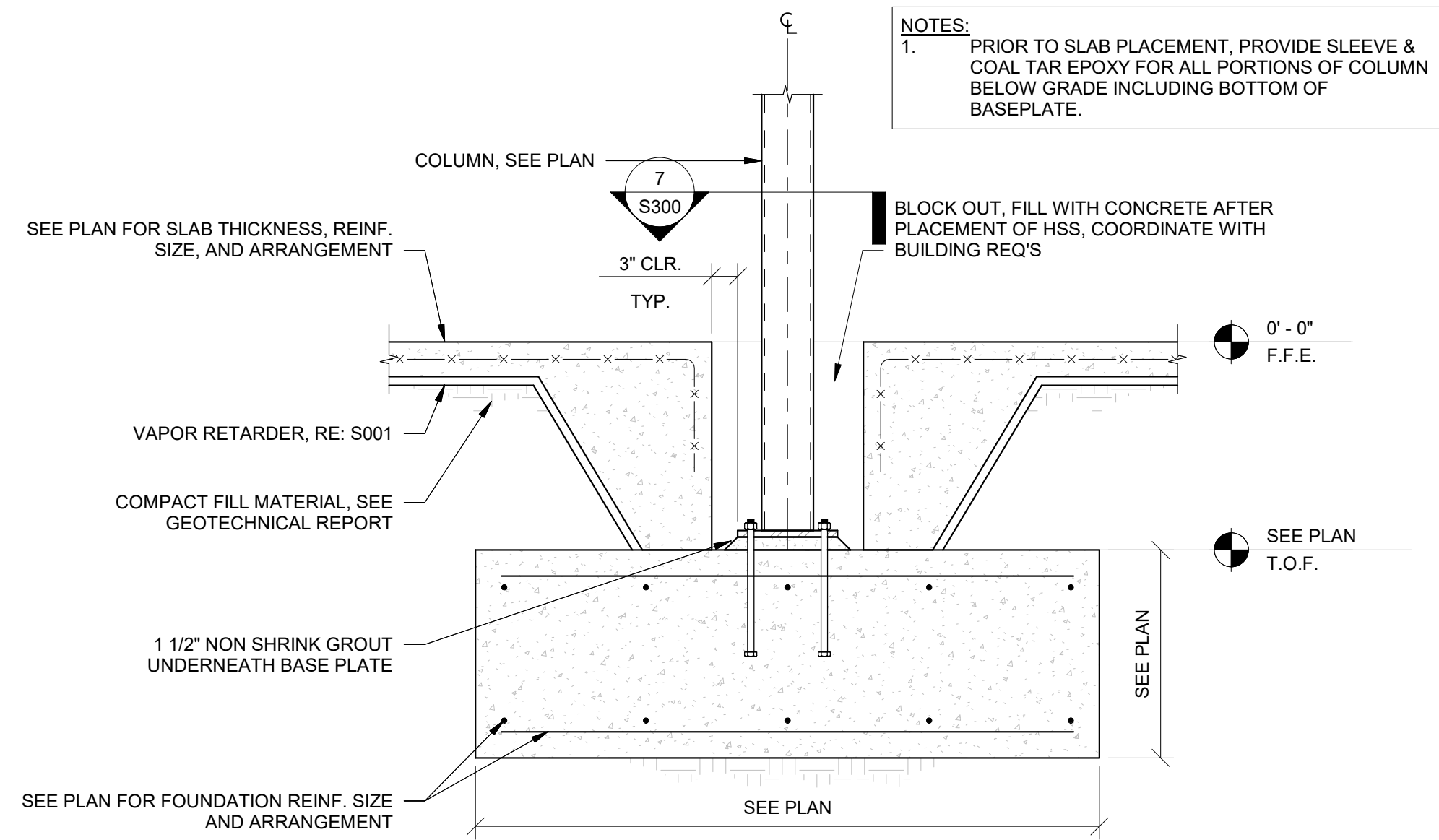
2 TYP. SLAB STEP - IF REQ'D
1" = 1'-0"



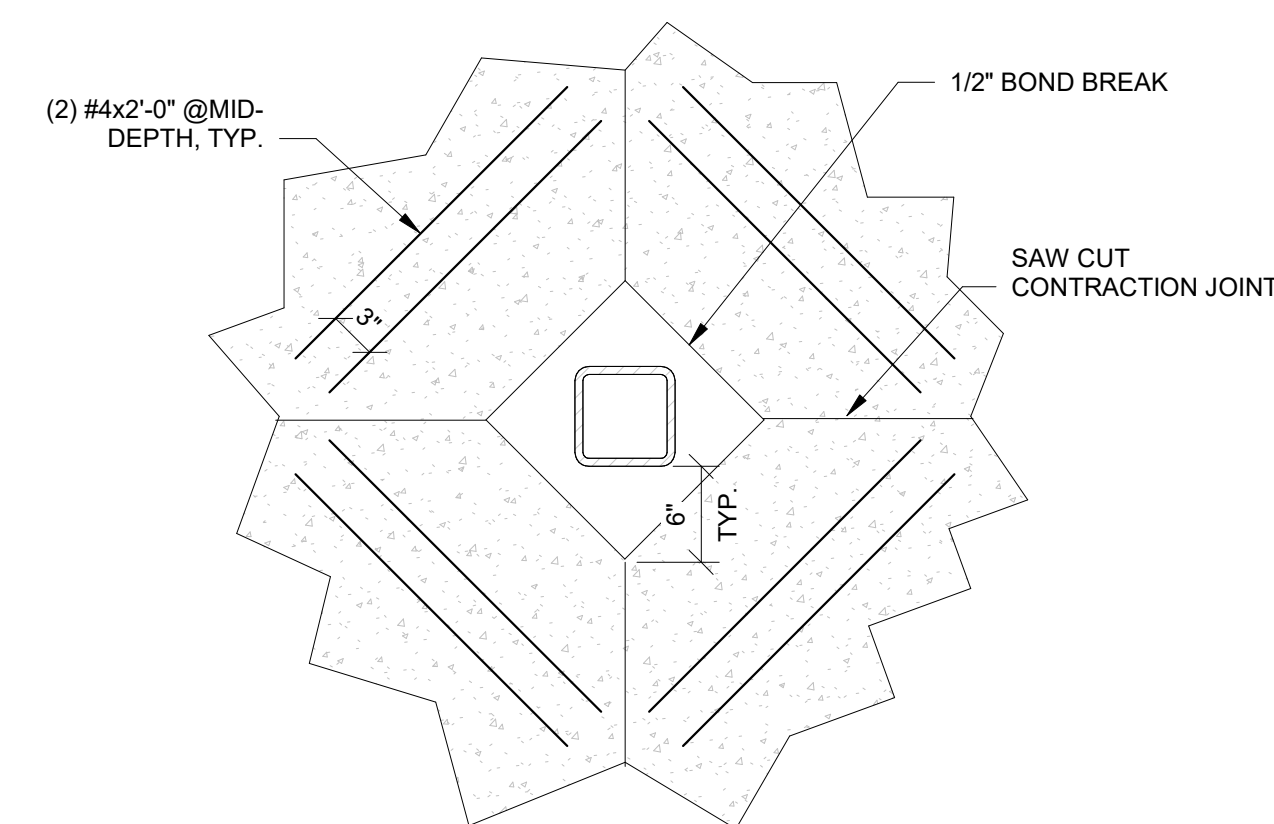
3 HOUSEKEEPING SLAB (IF REQ'D)
3/4" = 1'-0"



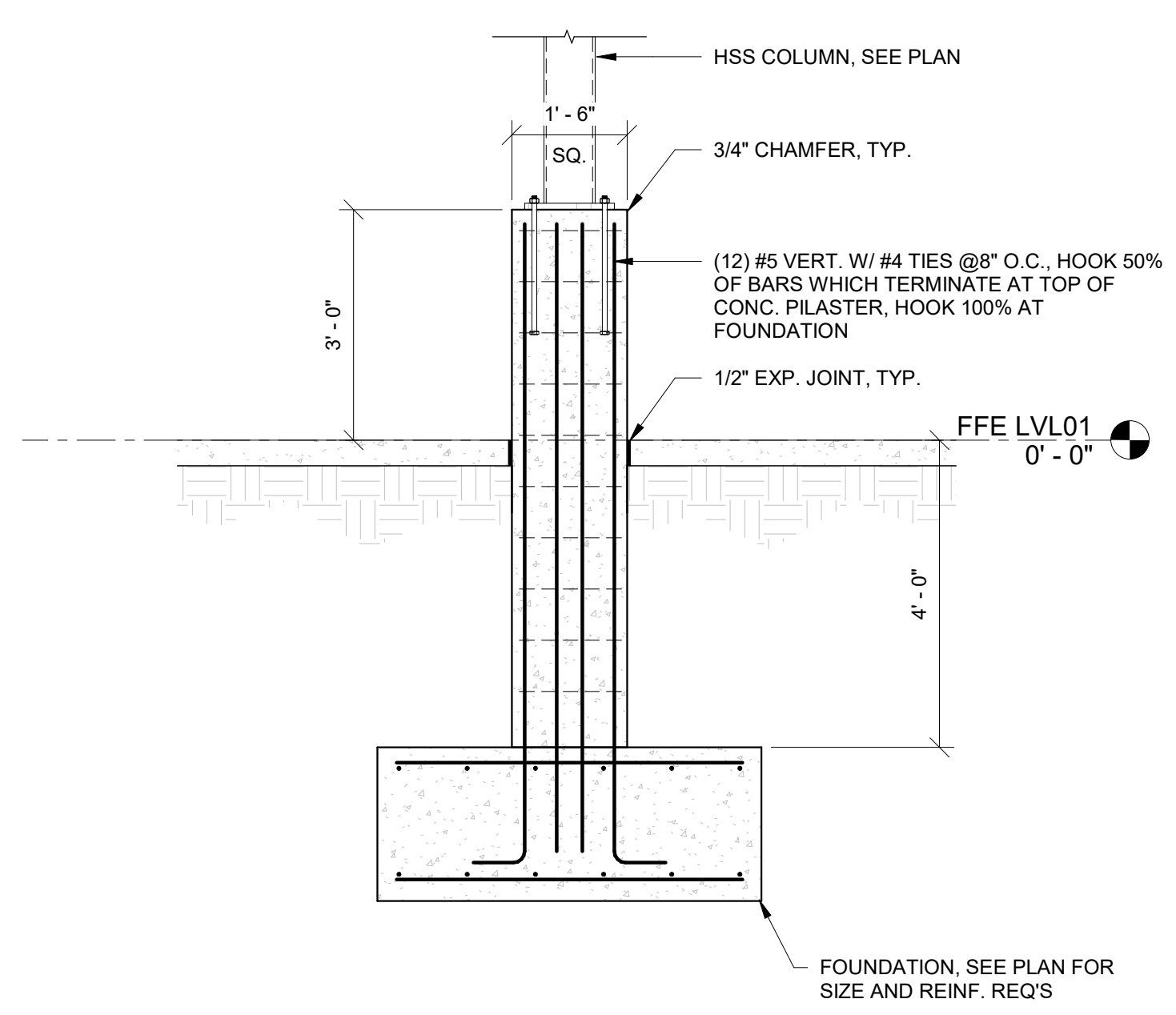
5 THICKENED SLAB @ STAIR
3/4" = 1'-0"



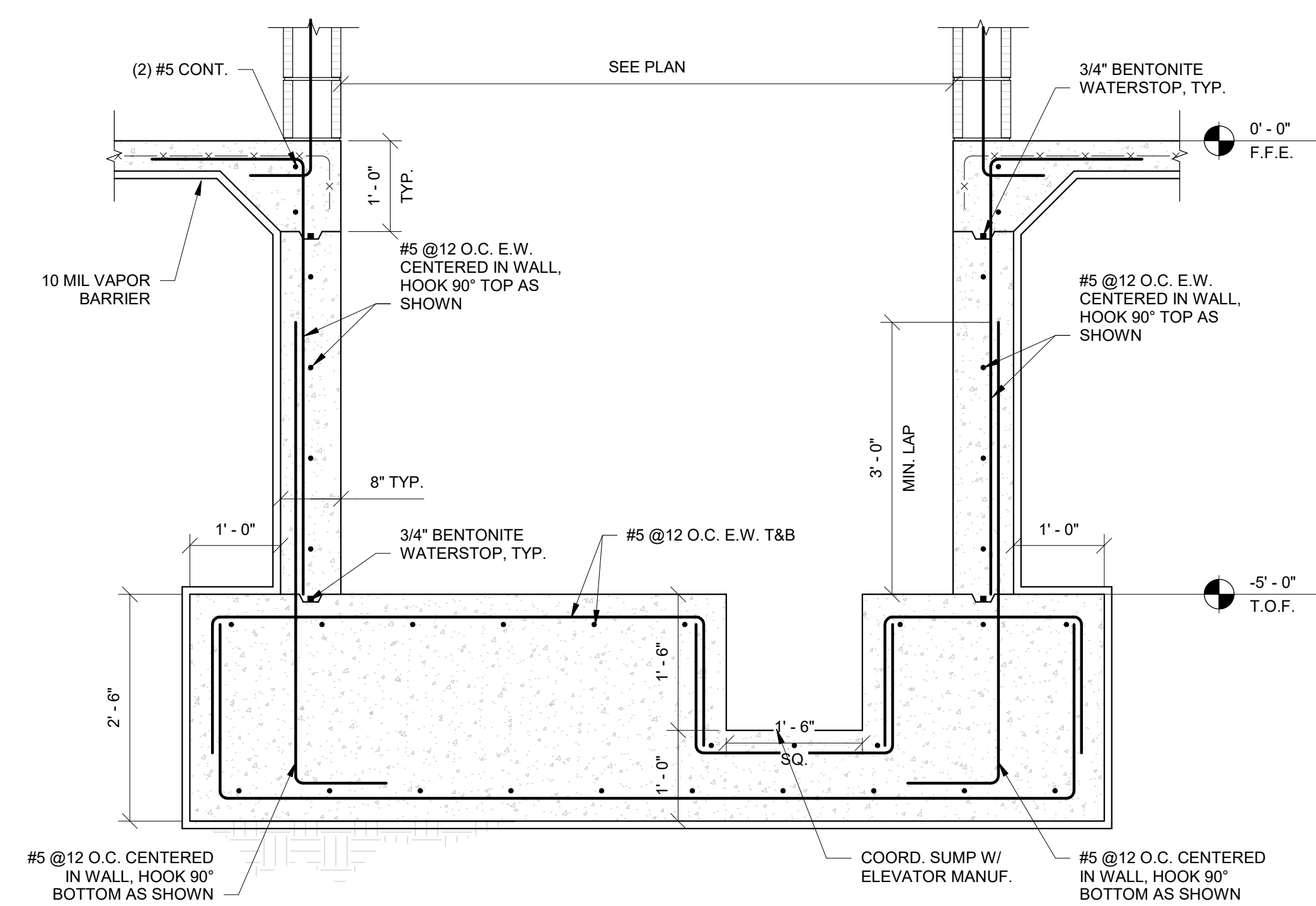
6 TYP. COLUMN FOUNDATION DETAIL
3/4" = 1'-0"



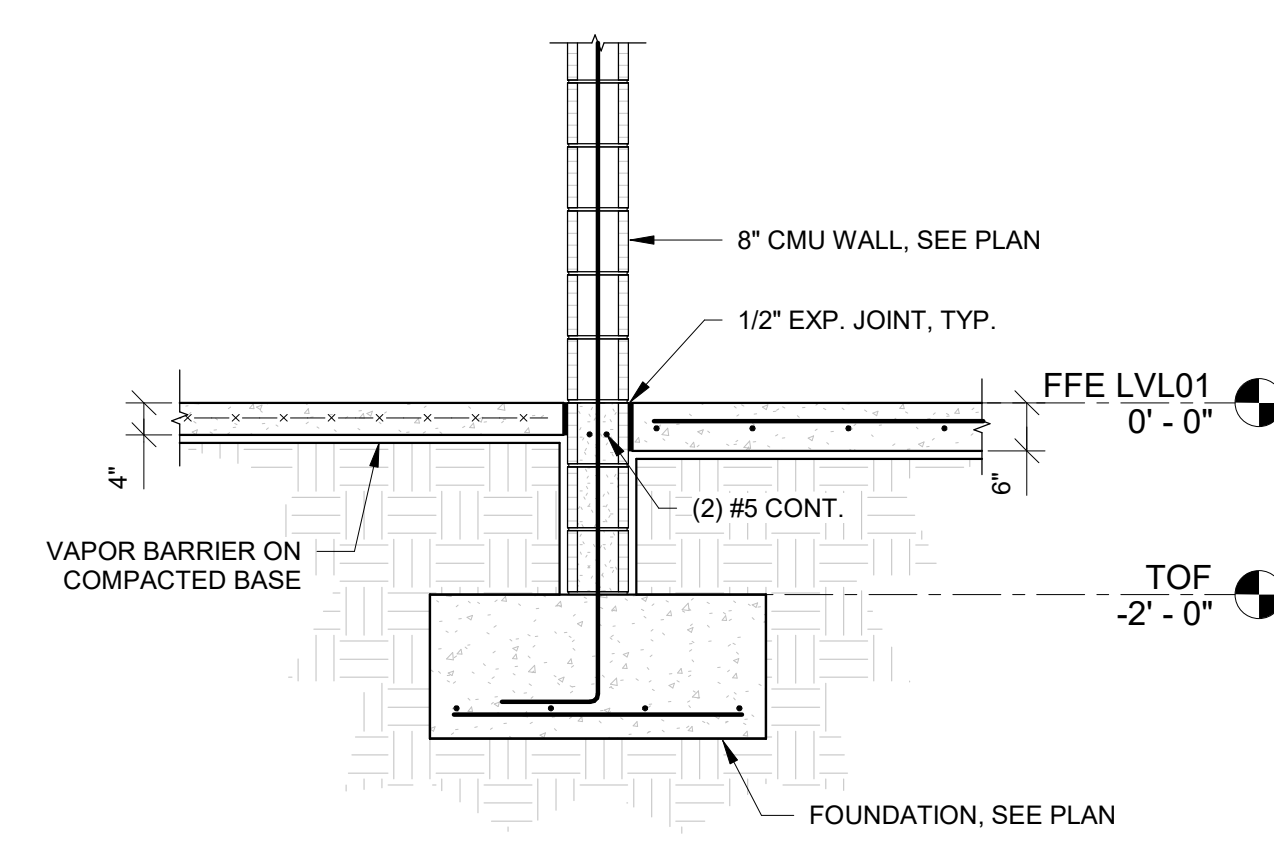
7 COLUMN PLAN VIEW DETAIL
1" = 1'-0"



8 FOUNDATION & PILASTER DETAIL
1/2" = 1'-0"



4 ELEVATOR PIT DETAIL
3/4" = 1'-0"



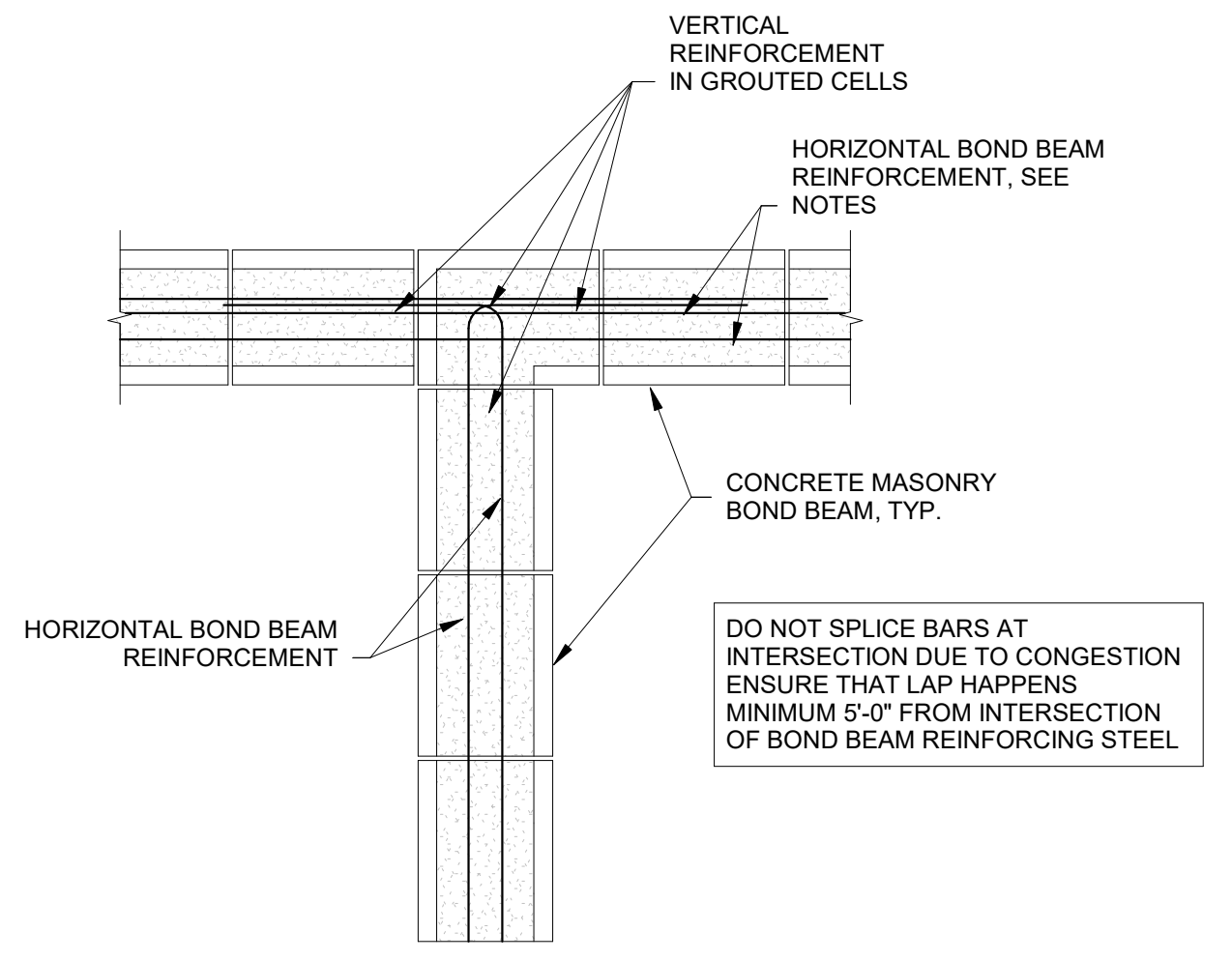
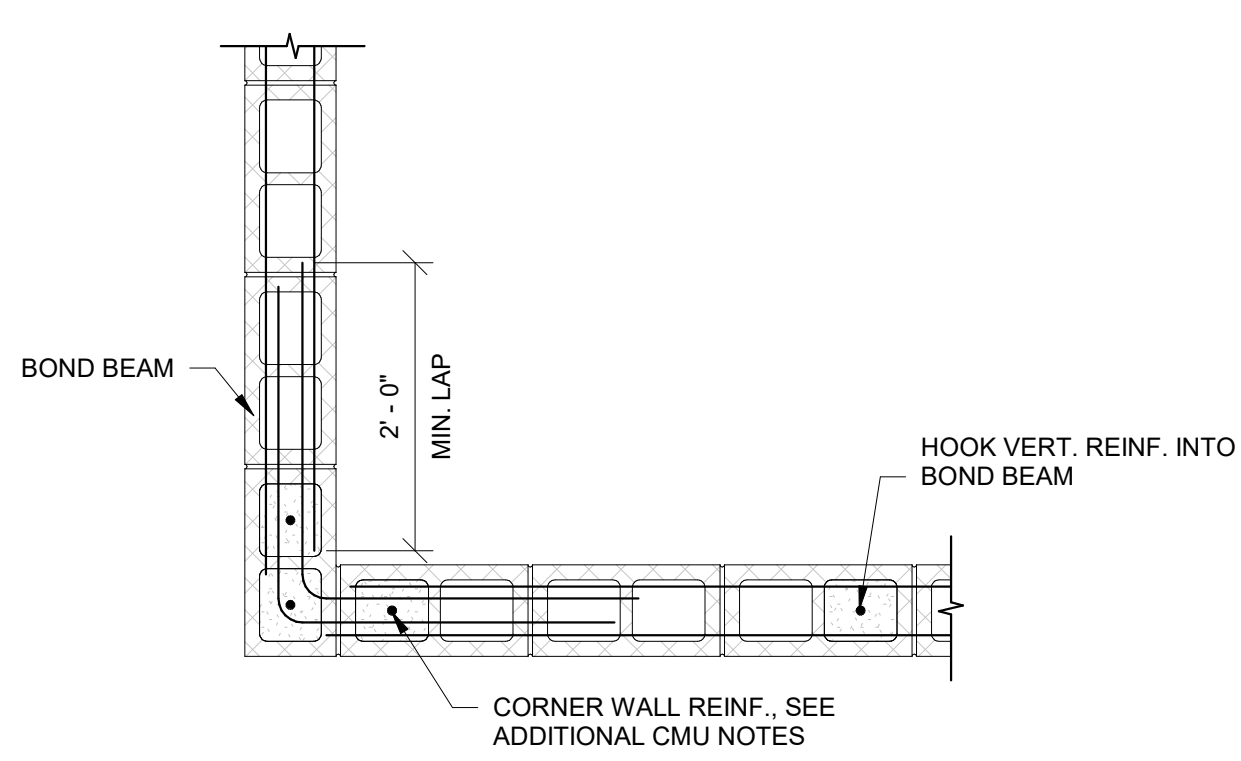
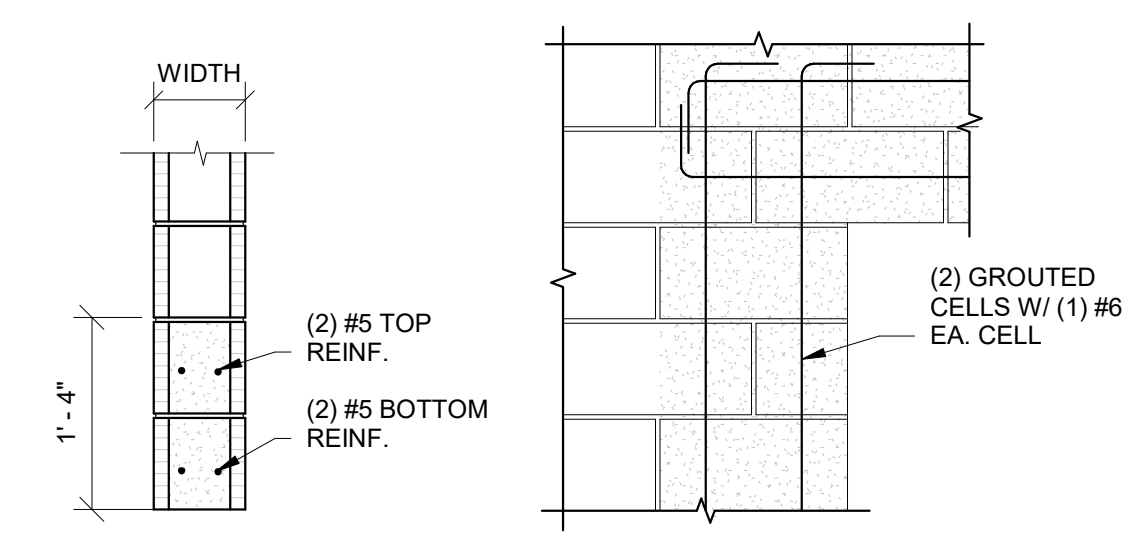
9 SLAB DETAIL @MECH/ELEC ROOM
1/2" = 1'-0"

PRINT DATE: 2024-04-18 12:39:39 PM

ADDITIONAL CMU NOTES

- ALL VERTICAL REINFORCING SHALL EXTEND INTO THE UPPERMOST BOND BEAM AND WHERE TERMINATES PROVIDE A 90° HOOK WITH MINIMUM 8" LEG.
- ADDITIONAL REINFORCEMENT IN CONJUNCTION WITH TYPICAL VERTICAL WALL REINFORCEMENT SHALL BE PROVIDED AS FOLLOWS: PROVIDE (4) FILLED CELLS OF TYPICAL WALL REINFORCEMENT AT ALL WALL INTERSECTIONS. PROVIDE (3) FILLED CELLS OF TYPICAL WALL REINFORCEMENT AT CORNERS. PROVIDE (2) FILLED CELLS OF TYPICAL WALL REINFORCEMENT EACH SIDE OF OPENING (U.N.O.), PROVIDE (1) FILLED CELL OF WALL REINFORCEMENT ON EITHER SIDE OF MASONRY CONTROL JOINTS. PROVIDE (5) FILLED CELLS OF TYPICAL WALL REINFORCEMENT AT END OF WALLS.
- PROVIDE 8" DEEP BOND BEAMS ALL WALL AT @4'-0" O.C., VERTICALLY (MAX) W/ (2) #5 CONT., TYP.
- PLACE CONCRETE MASONRY UNITS IN RUNNING BOND PATTERN.
- SEE FOUNDATION PLAN FOR WALL REINFORCING SIZE AND ARRANGEMENT. HORIZONTAL JOINT REINFORCING FOR CMU WALL SHALL BE NORMAL DUTY SIDE RODS WITH 9GA. CROSS MEMBERS. WALL REINFORCEMENT SHALL BE CONSTRUCTED IN LADDER TYPE REINFORCEMENT AND SPACED AT 16" O.C., VERTICALLY
- PROVIDE MINIMUM 8" DEEP BOND BEAM UNDER NOTED WINDOW OPENINGS ON PLAN, BOND BEAM SHALL BE REINFORCED W/ (2) #5 AND EXTEND REINFORCING 2'-0" PAST EA. SIDE OF OPENING, TYPICAL.
- SPLICE ALL REINFORCEMENT WITH MIN. 48 BAR DIAMETER SPLICES.

NOTES:
 1. PROVIDE MINIMUM 8" BEARING FOR ALL LINTELS THAT ARE 16" DEEP OR LESS THAN 16".
 2. PROVIDE MINIMUM 16" BEARING FOR ALL LINTELS THAT ARE GREATER THAN 16" DEEP.
 3. HOT DIP GALVANIZE ALL EXPOSED STRUCTURAL STEEL, INCLUDING; ANGLES, THREADED RODS, BOLTS, NUTS WASHERS, ETC., IF REQUIRED.

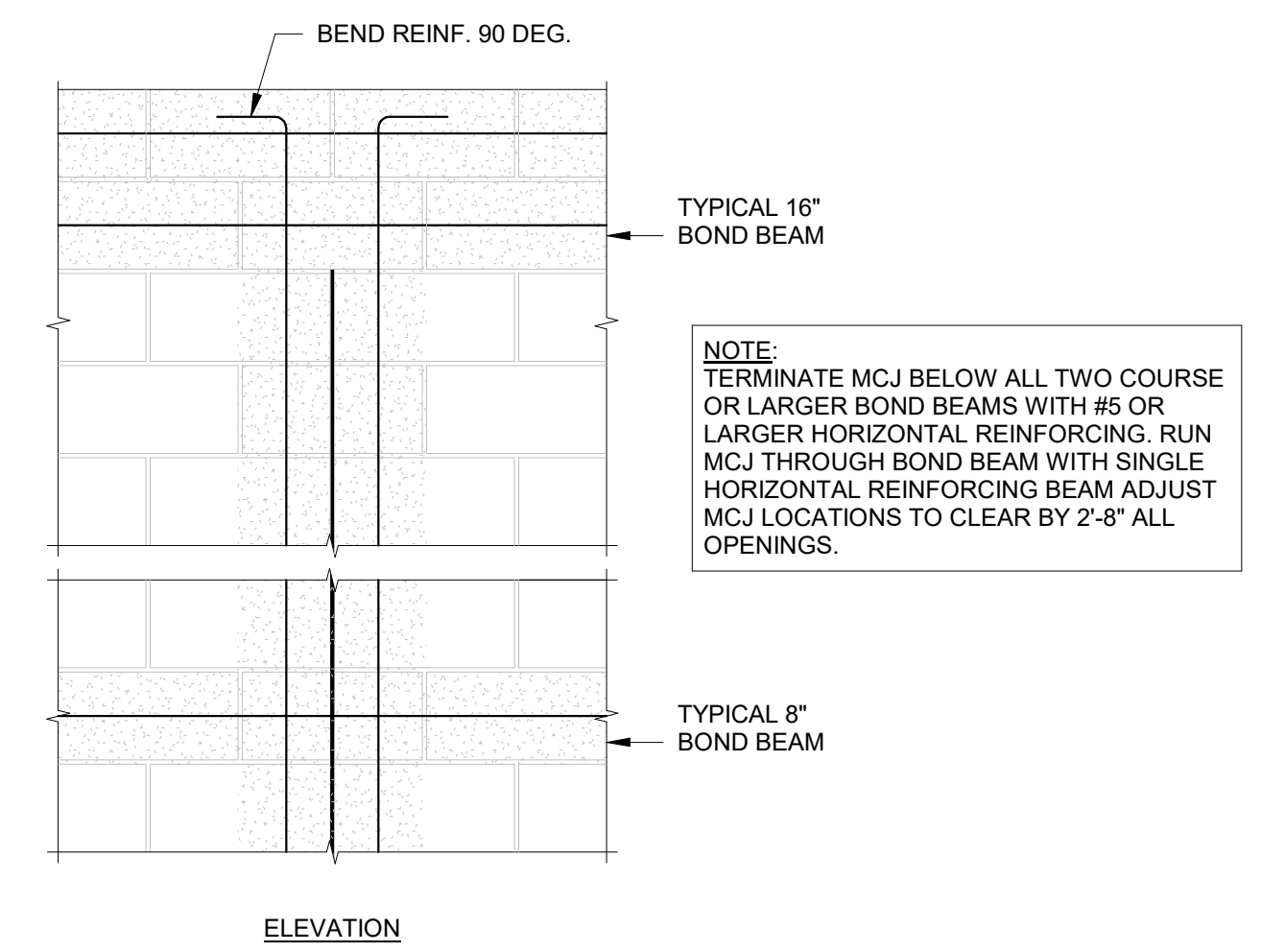
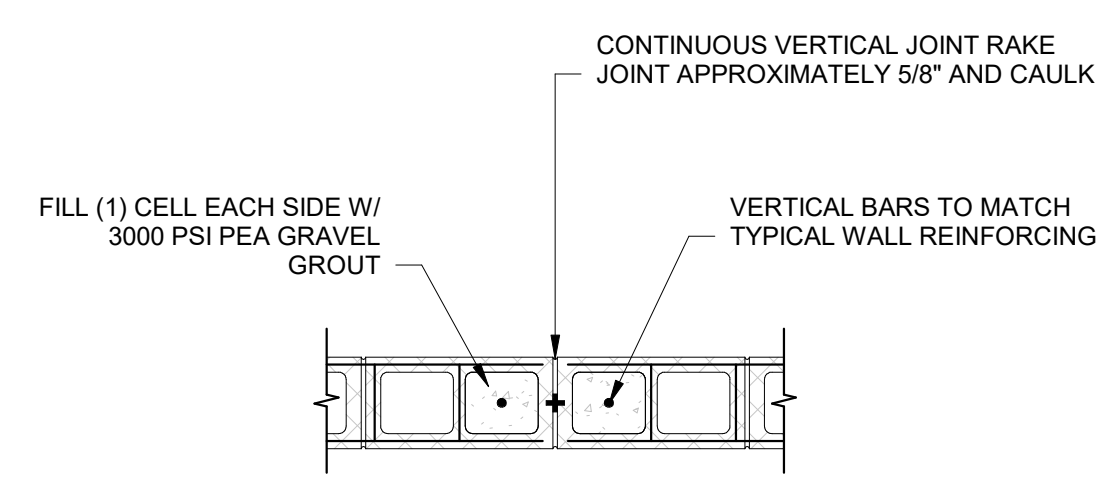
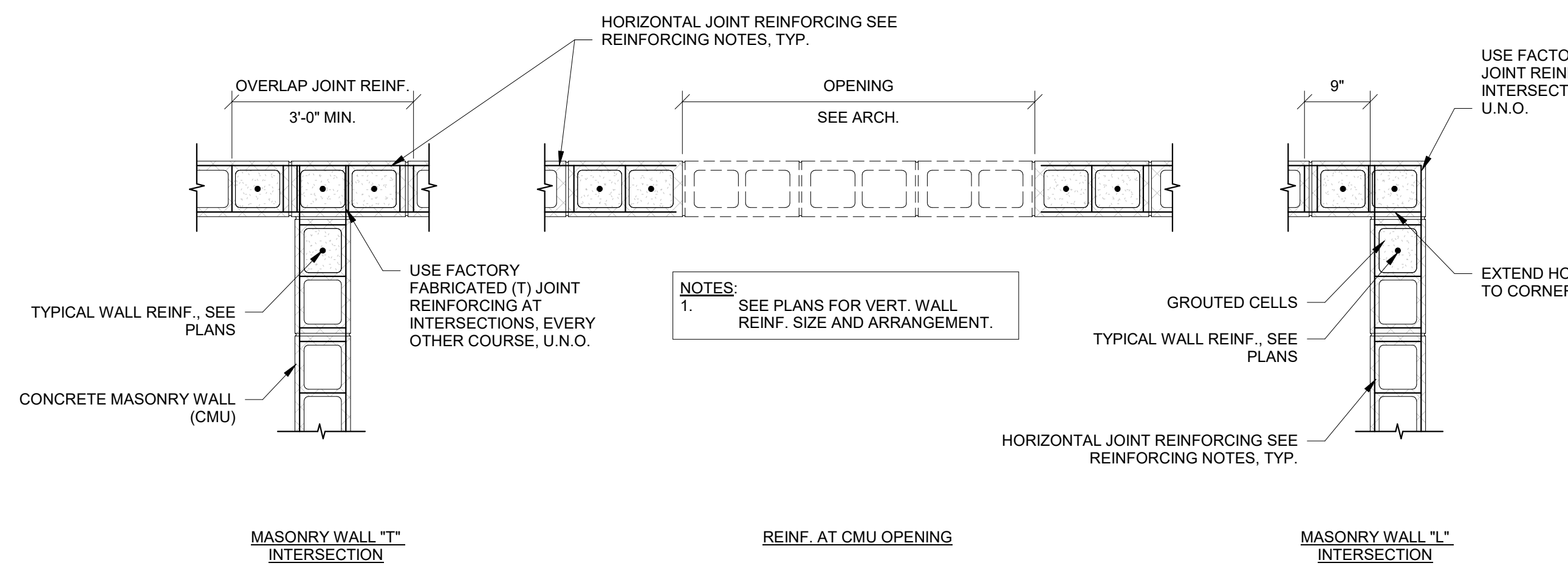


DO NOT SPLICE BARS AT INTERSECTION DUE TO CONGESTION ENSURE THAT LAP HAPPENS MINIMUM 5'-0" FROM INTERSECTION OF BOND BEAM REINFORCING STEEL

① LINTEL DETAILS
 3/4" = 1'-0"

② BOND BEAM CORNER REINF.
 3/4" = 1'-0"

③ INTERSECTION OF STRUCTURAL BOND BEAM
 3/4" = 1'-0"

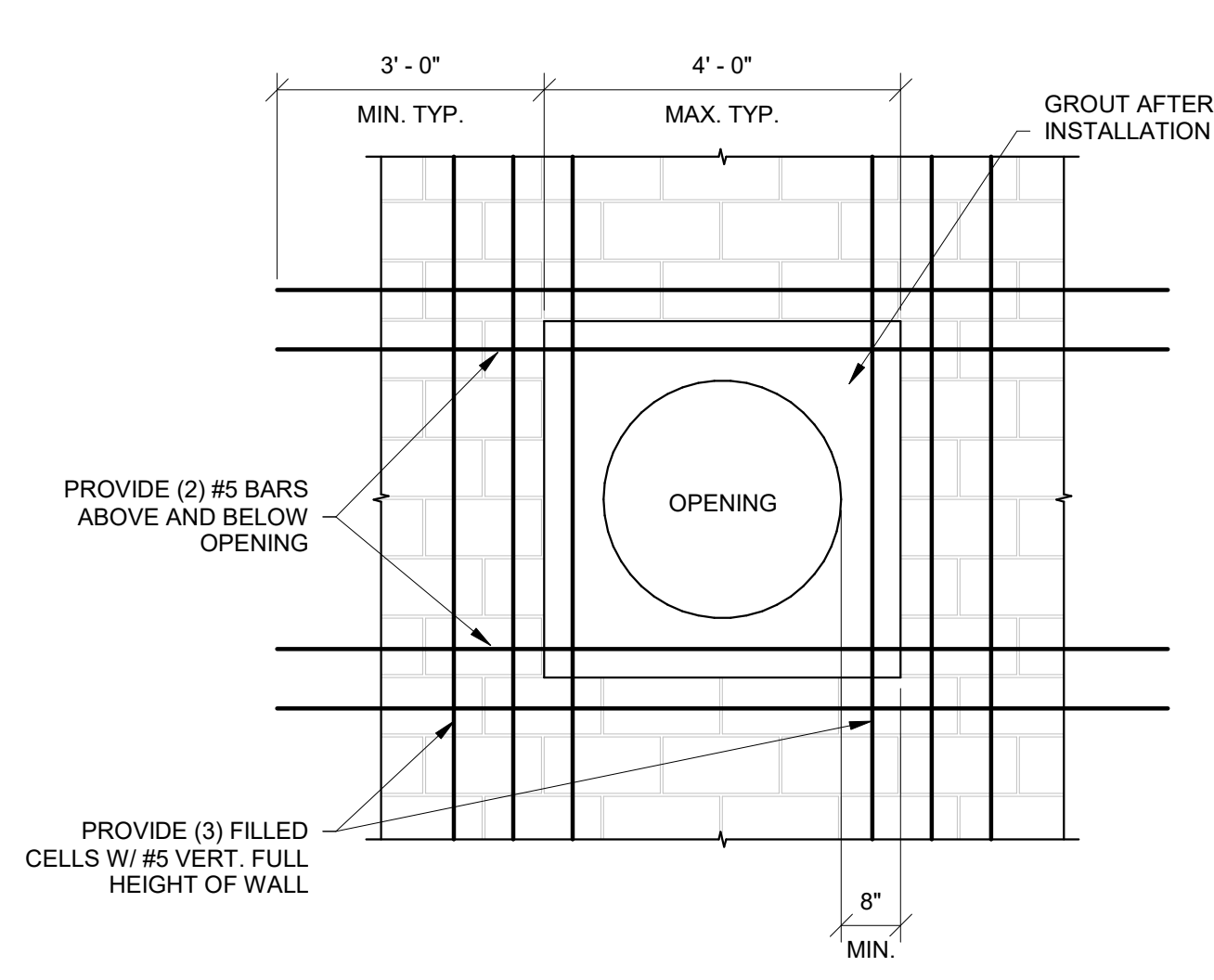


NOTE:
 TERMINATE MCJ BELOW ALL TWO COURSE OR LARGER BOND BEAMS WITH #5 OR LARGER HORIZONTAL REINFORCING. RUN MCJ THROUGH BOND BEAM WITH SINGLE HORIZONTAL REINFORCING BEAM ADJUST MCJ LOCATIONS TO CLEAR BY 2'-8" ALL OPENINGS.

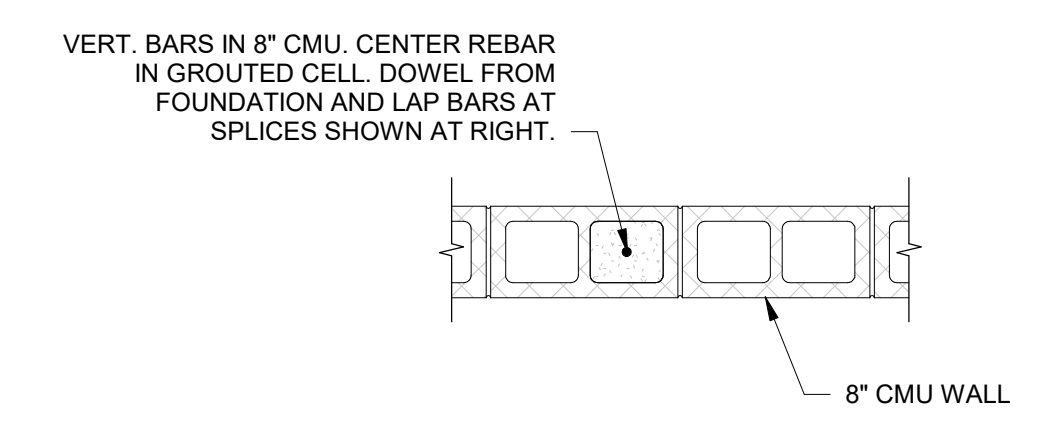
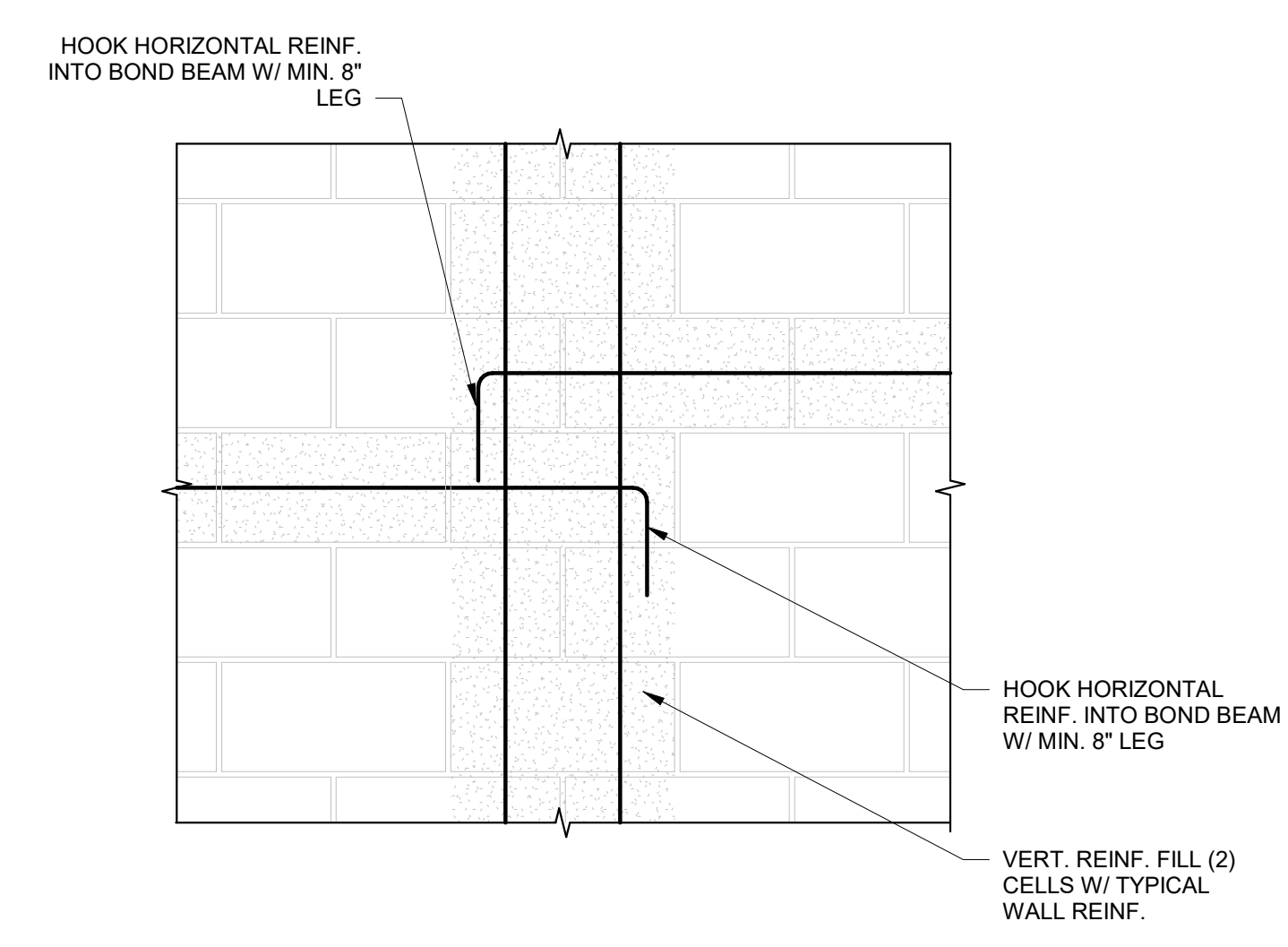
④ CMU WALL INTERSECTION DETAILS
 3/4" = 1'-0"

⑤ TYPICAL CMU CONTROL JOINT
 3/4" = 1'-0"

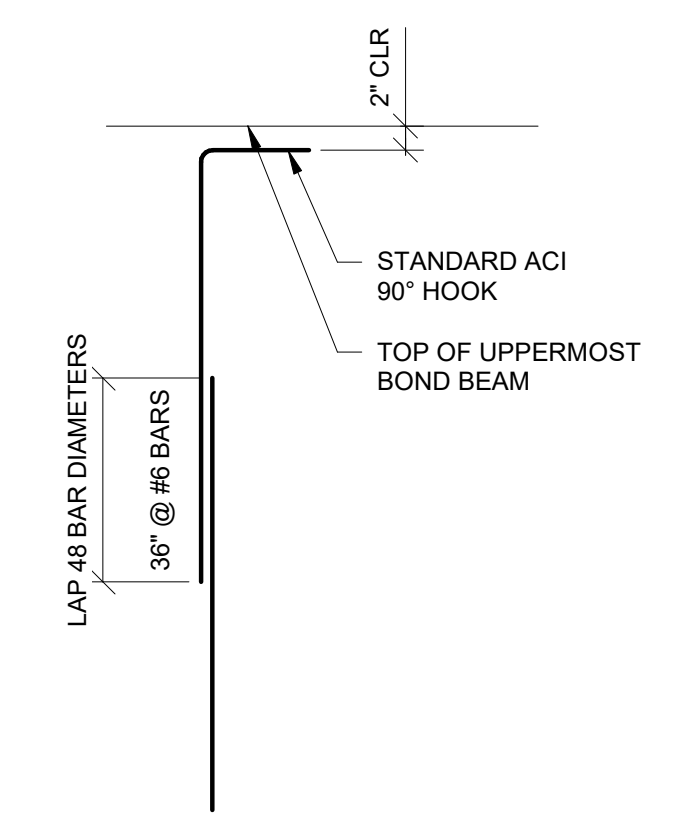
⑥ TYPICAL MCJ DETAIL
 3/4" = 1'-0"



NOTES:
 1. PROVIDE CONTINUOUS 24" CONCRETE BOND BEAM TO MATCH THE ROOF SLOPE FOR THE ATTACHMENT OF PERIMETER ANGLE.



- PROVIDE VERTICAL REBAR AS FOLLOWS UNLESS OTHERWISE NOTED OR DETAILED:
- EACH SIDE OF WALL OPENINGS.
 - AS DETAILED AT WALL CORNERS, INTERSECTIONS, AND JOINTS.
 - DOUBLE PILASTER AT CMU WALL ENDS.
 - AT 24" O.C. MAXIMUM HORIZONTAL SPACING IN 8" EXTERIOR CMU WALLS.
 - PROVIDE BOND BEAM W/ (2) #5 CONTINUOUS AT 4'-0" ON CENTER VERTICAL ELEVATION. EXTEND BARS INTO WALL AS SHOWN AT EACH BOND BEAM LEVEL.



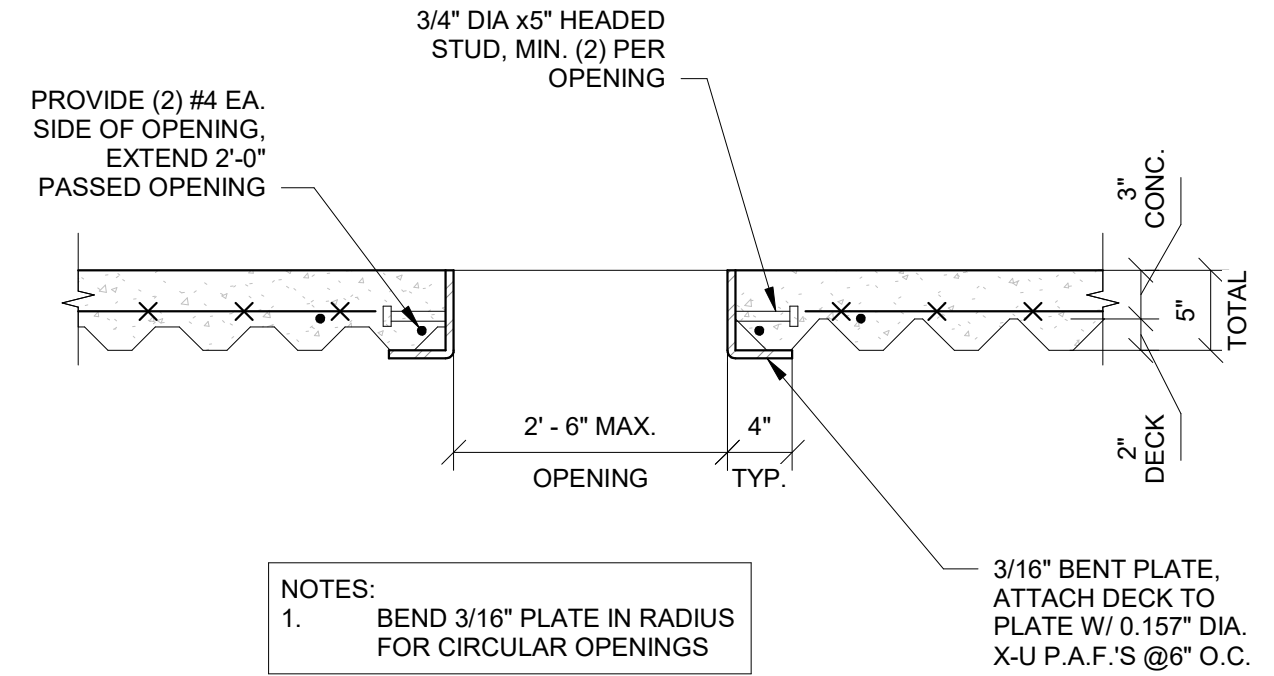
⑦ REINFORCING OPENINGS IN MASONRY WALLS
 1/2" = 1'-0"

⑧ ELEVATION CHANGE IN BOND BEAM LOCATION
 1" = 1'-0"

⑨ TYPICAL CMU BEARING WALL VERTICAL REINF. DETAIL
 3/4" = 1'-0"

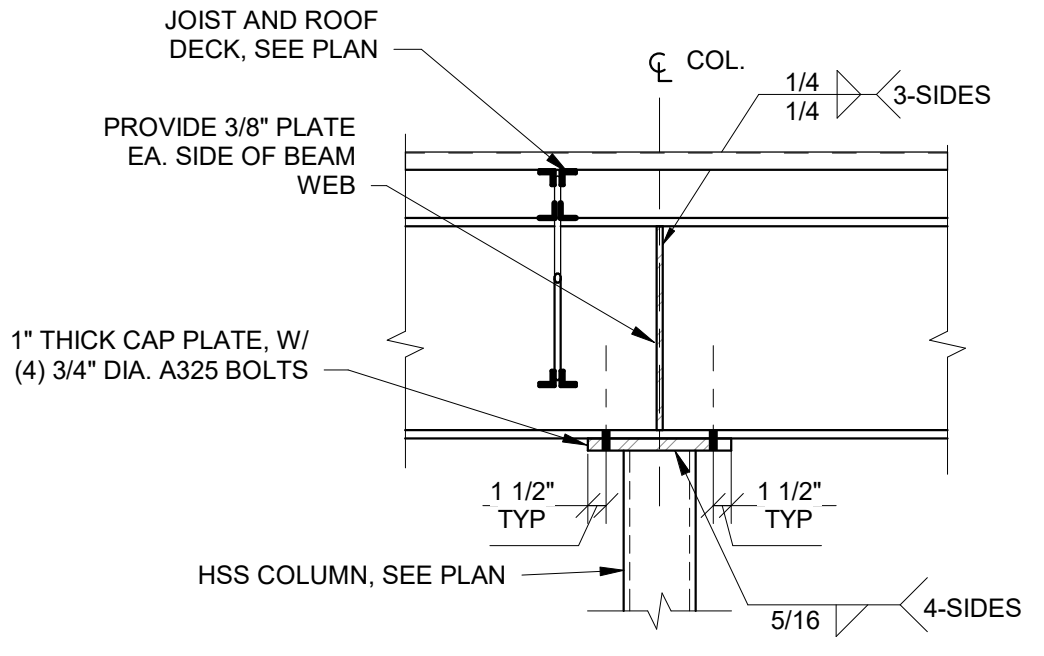
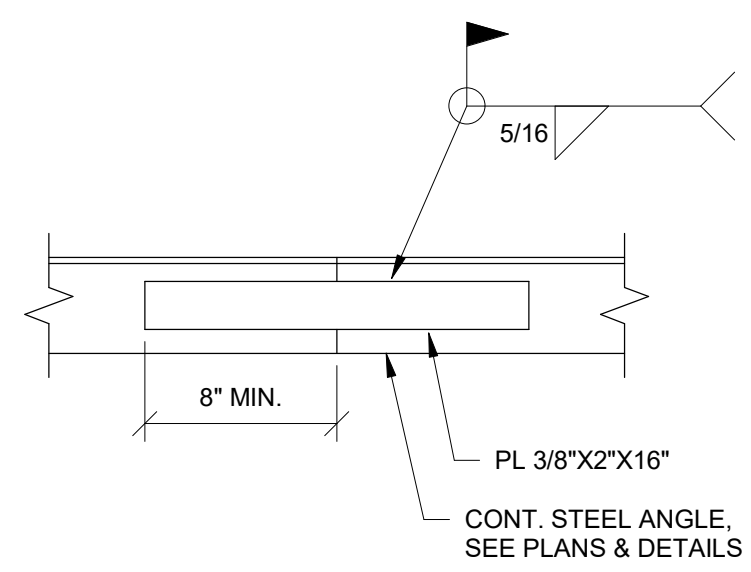
- CIVIL
KENNETH HORNE & ASSOCIATES
- LANDSCAPE
FORME DESIGN GROUP
- STRUCTURAL
MCCARTHY ENGINEERING
- ARCHITECTURAL
CALDWELL ASSOCIATES
- FIRE PROTECTION
H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING
H.M. YONGE & ASSOCIATES
- ELECTRICAL
KLOCKE & ASSOCIATES

FINAL STAIR DESIGN SHALL BE BY SPECIALTY ENGINEER, DETAILS PROVIDED DEMONSTRATE THE INTENT. SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC INFORMATION REGARDING TO STAIR CONFIGURATION AND LAYOUT.



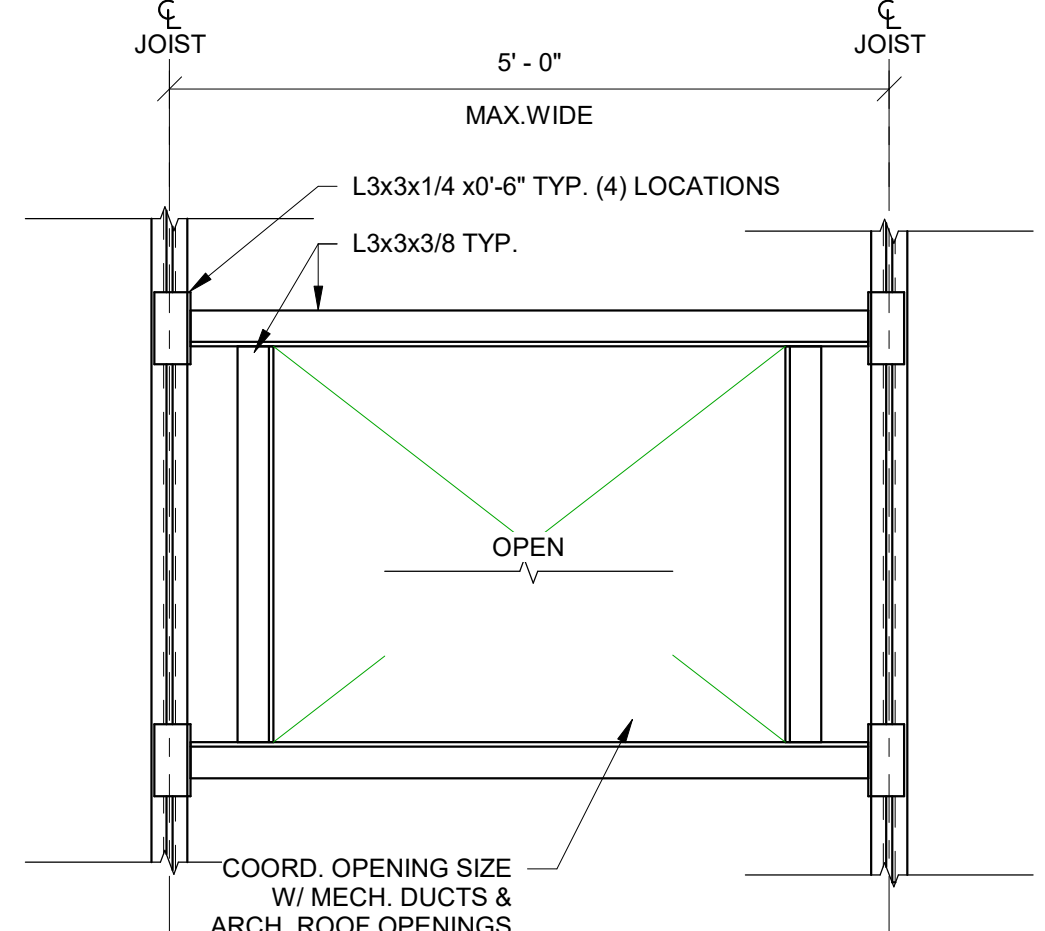
NOTES:
1. BEND 3/16\"/>

3/16\"/>



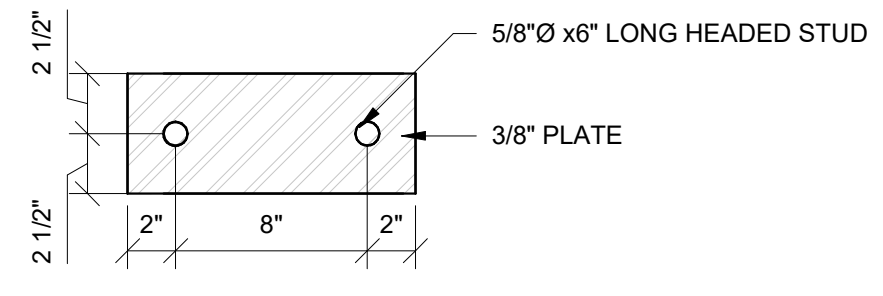
1 FLOOR SLAB OPENING
1\"/>

2 TYPICAL CONTINUOUS ROOF ANGLE SPLICE
1 1/2\"/>

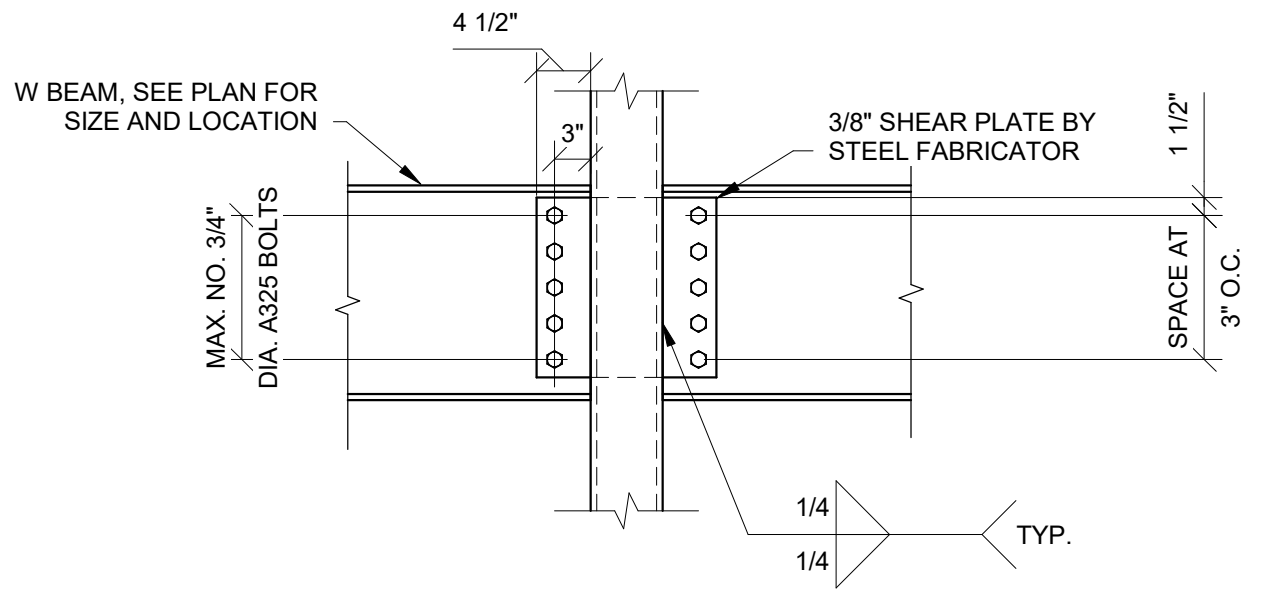


JOIST REINFORCEMENT:
ADD (2) L2x2x1/4 WHEN FRAME CLIP ANGLE IS MORE THAN 6\"/>

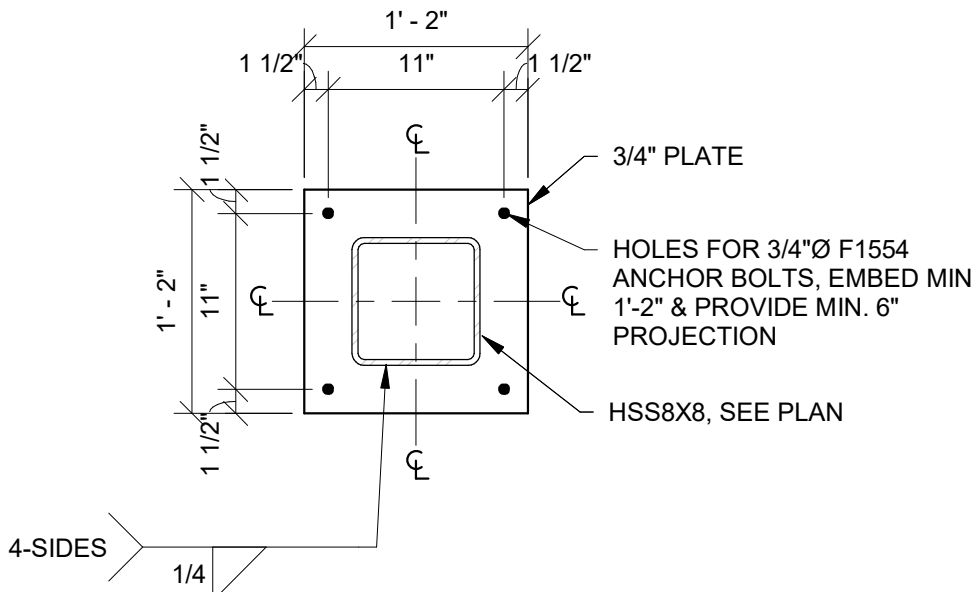
JOIST BEARING PLATE 8\"/>



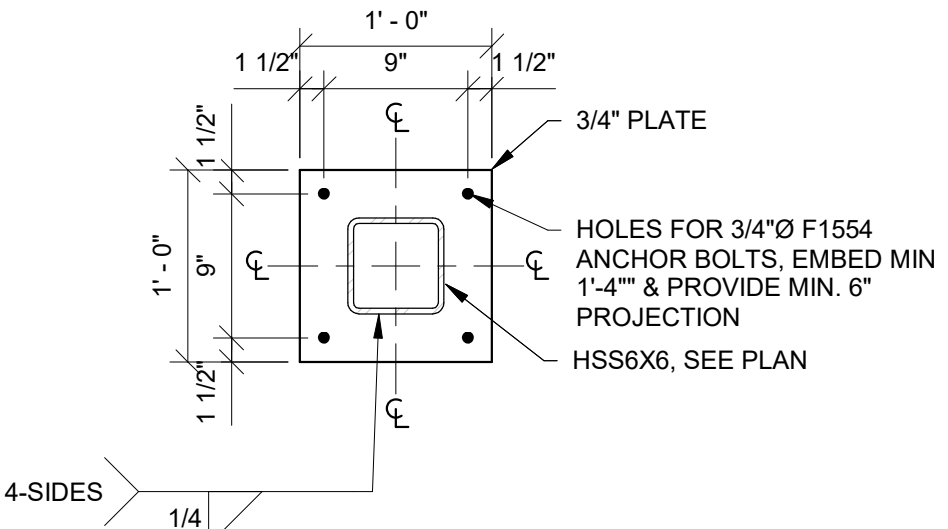
4 JOIST BEARING PLATE DETAIL
1 1/2\"/>



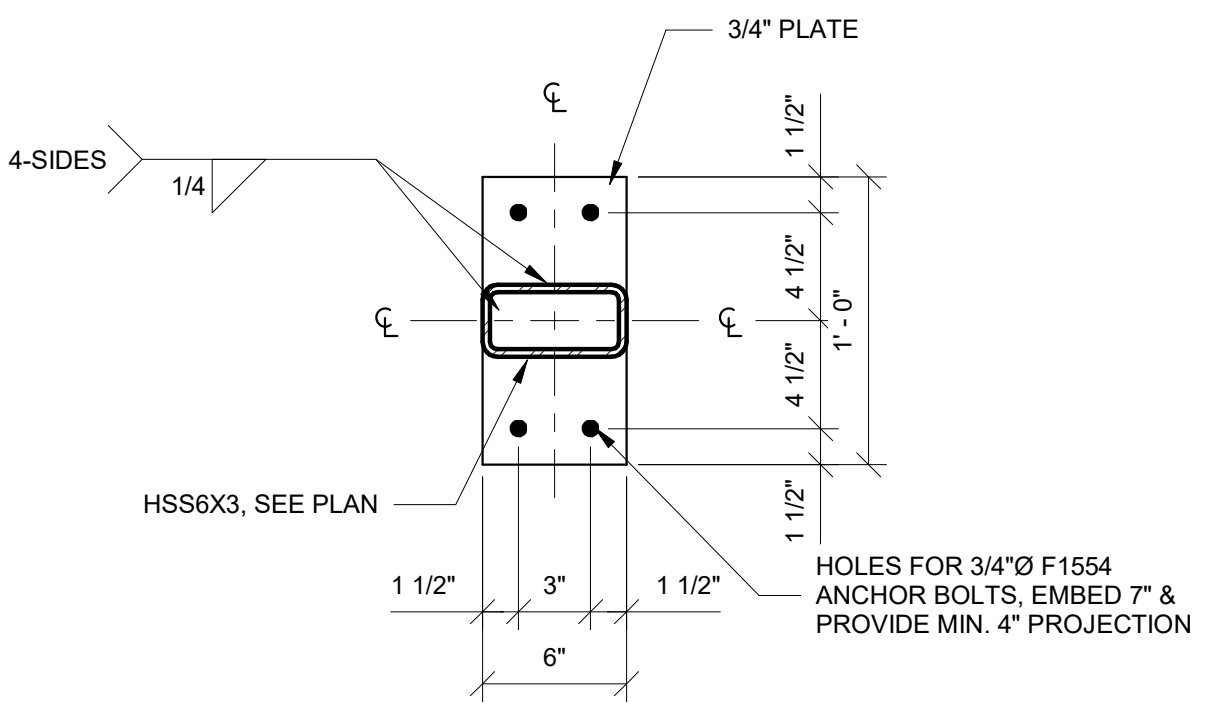
5 TYPICAL BEAM TO COLUMN CONNECTION FROM GROUND TO ROOF
3/4\"/>



6 HSS8X8 BASE PLATE
1\"/>



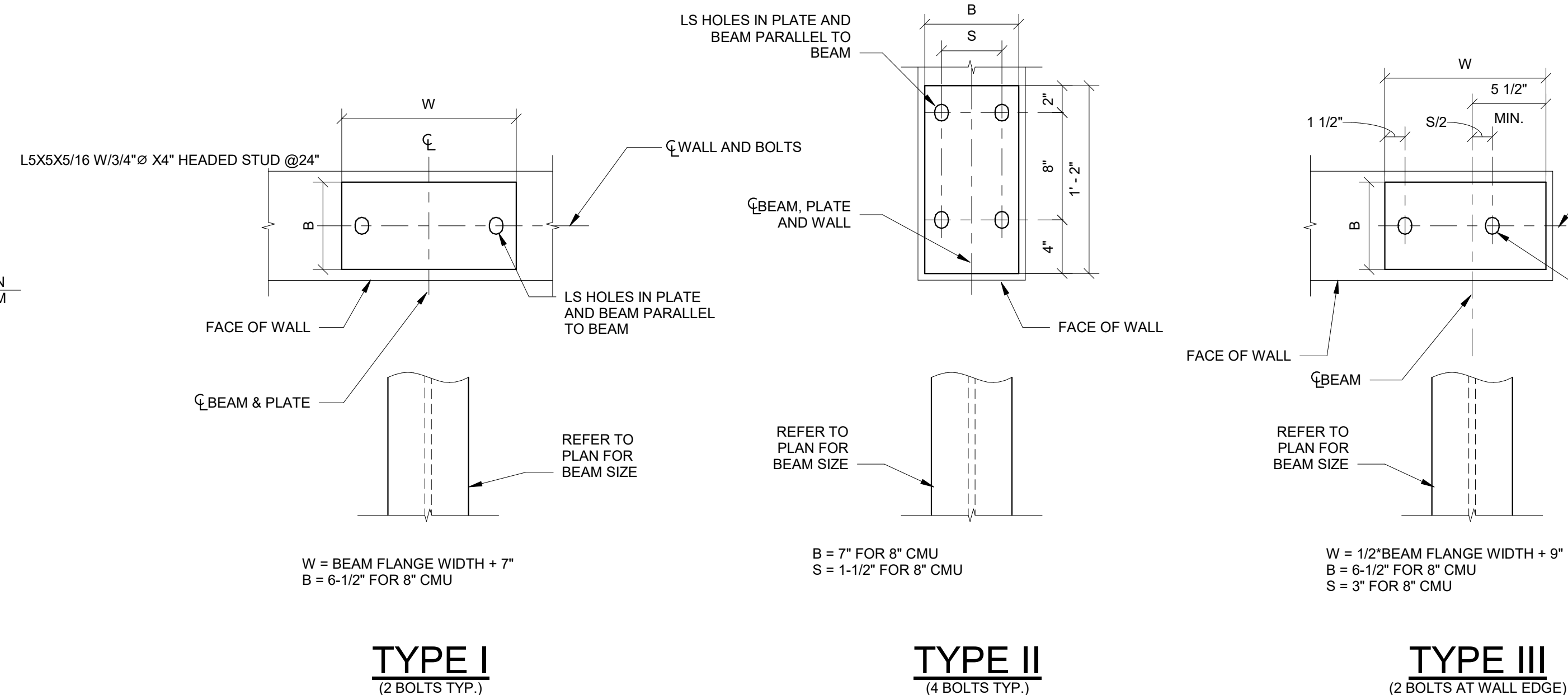
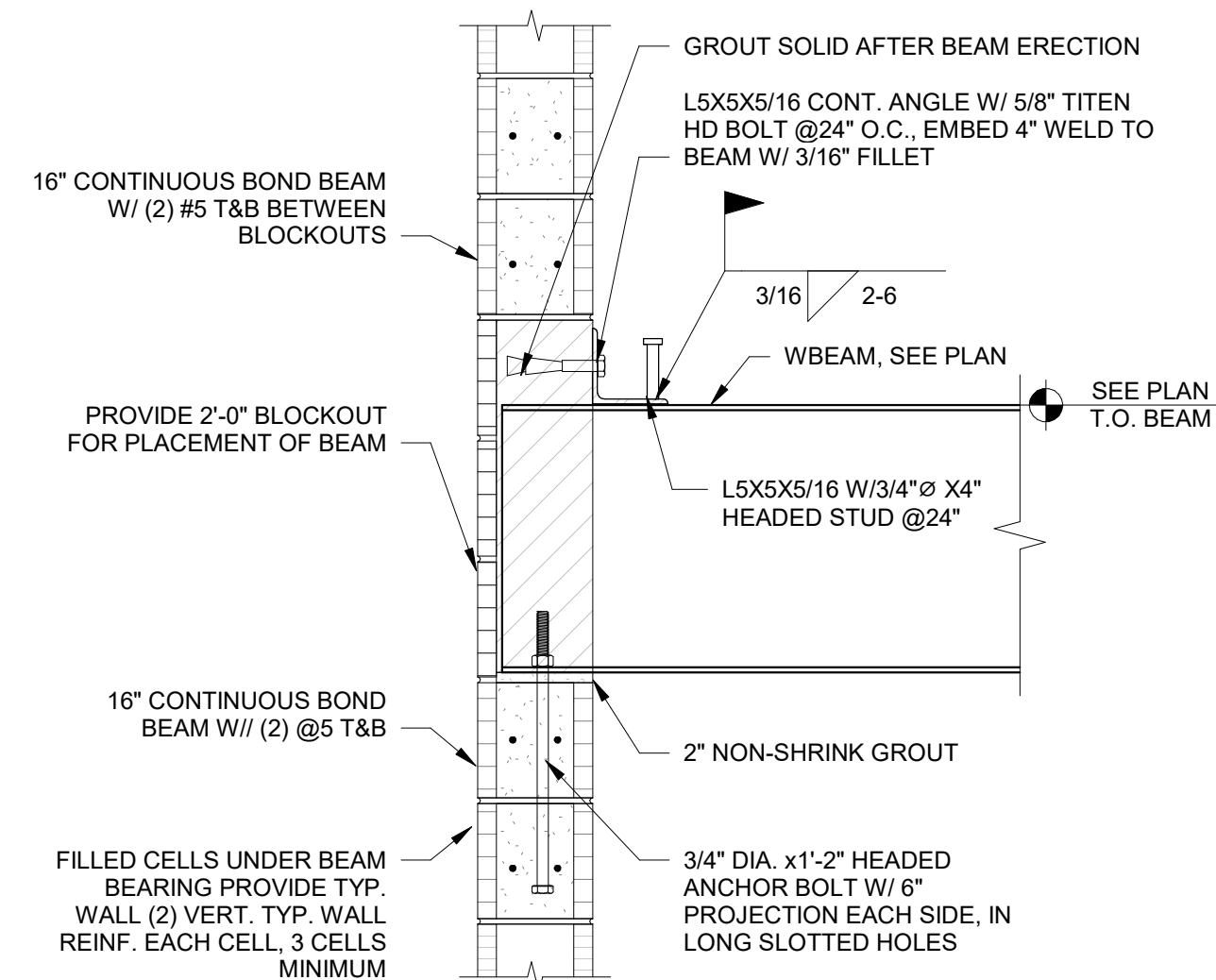
7 HSS6X6 BASE PLATE
1\"/>



8 HSS6X3 BASE PLATE IN WALL
1 1/2\"/>

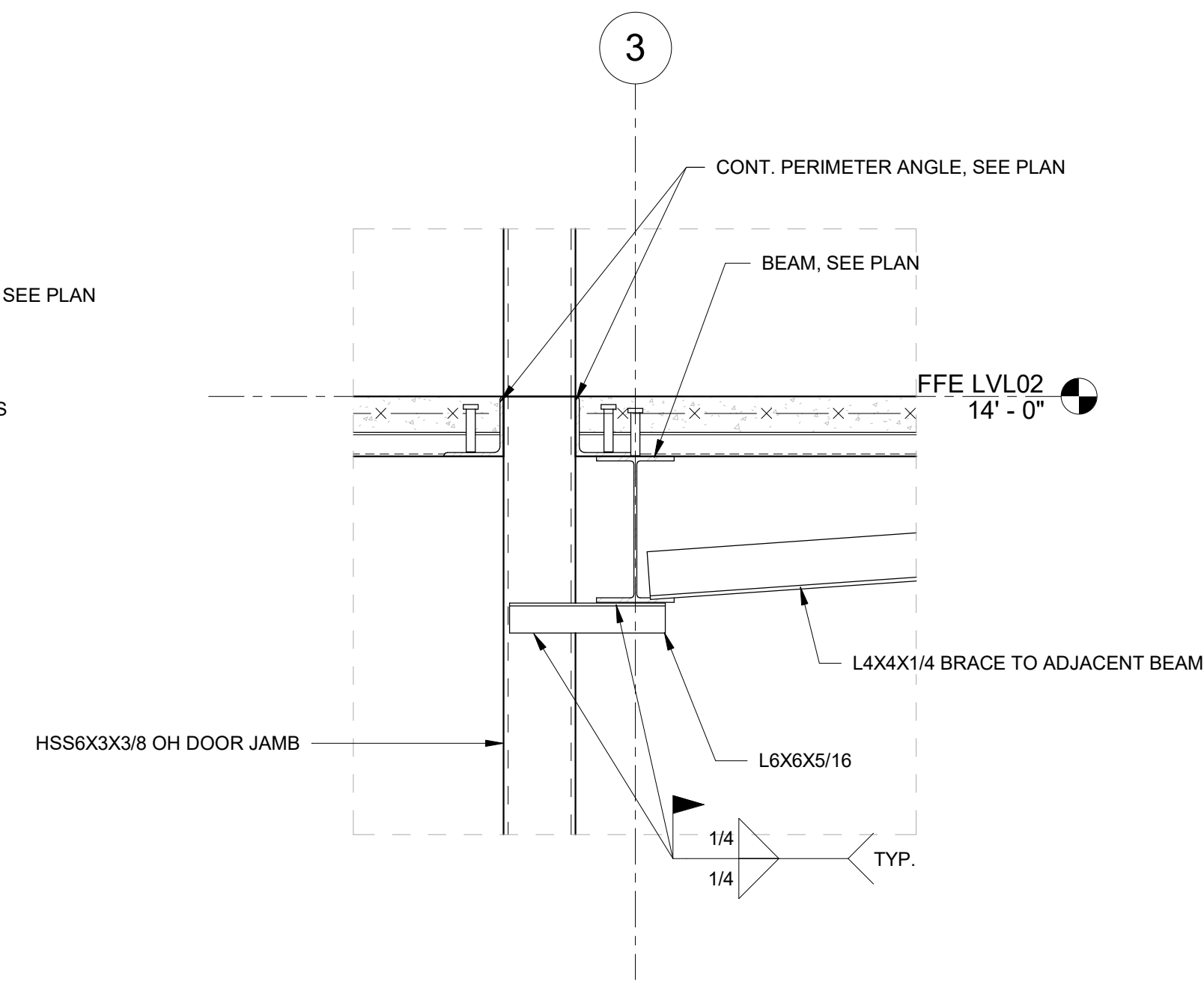
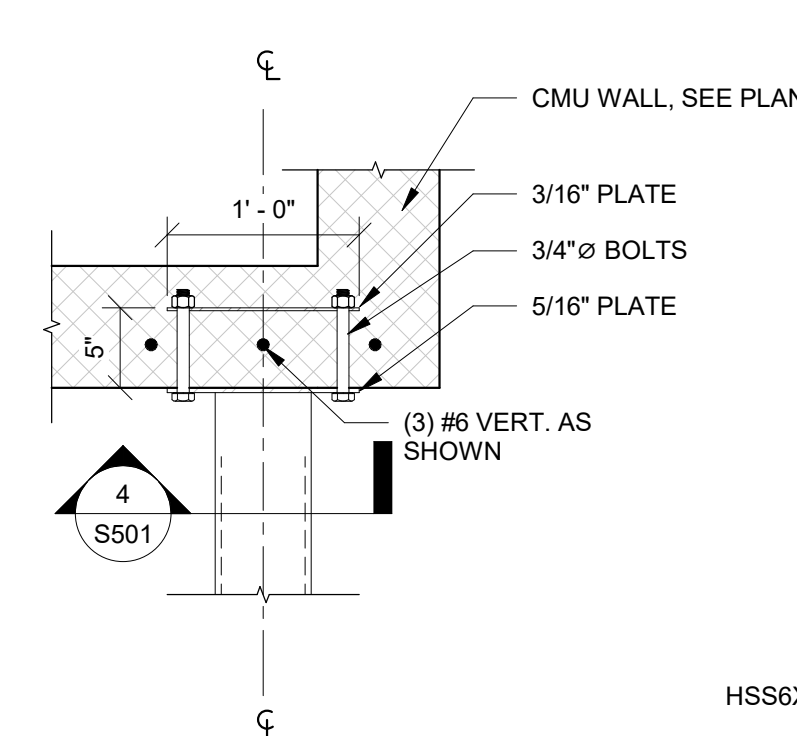
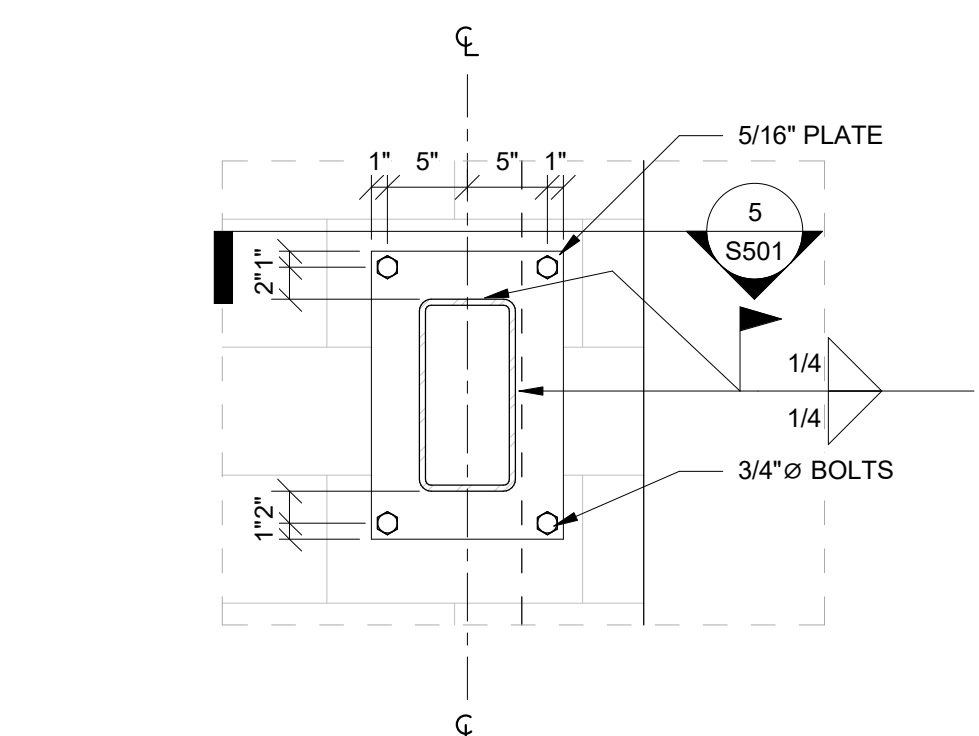
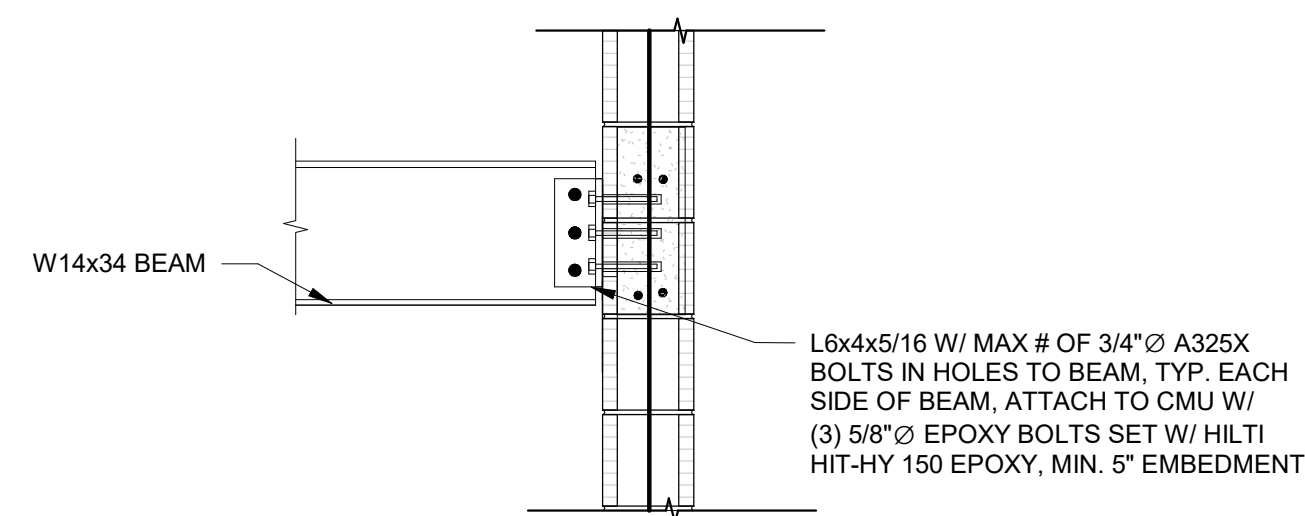
PROJECT ISSUES:

SCHEMATIC DESIGN:	6/25/2023
DESIGN DEVELOPMENT:	8/21/2023
100% CONSTRUCTION DOCUMENTS:	11/17/2023
REVISION 1 -	2/20/24 CIVIL ONLY
REVISION 2 -	2/28/24 RFI REVISIONS
REVISION 3 -	3/21/24 CP COMMENTS
CONFORMANCE SET	4/16/2024



NOTE:

- PROVIDE 3/4" PLATE FOR BEAMS.
- ALL ANCHORS SHALL BE 3/4" DIA. MIN 14" INTO WALL.
- PROVIDE MIN. (4) CELLS W/ (2) #3 TIES @16" O.C., VERT. @ ALL BEAM BEARING LOCATION, PROVIDE 1/4" FILLET WELD TWO SIDES ONCE BEAM IS SET.



PROJECT TEAM:

CIVIL
KENNETH HORNE & ASSOCIATES

LANDSCAPE
FORME DESIGN GROUP

STRUCTURAL
MCCARTHY ENGINEERING

ARCHITECTURAL
CALDWELL ASSOCIATES

FIRE PROTECTION
H.M. YONGE & ASSOCIATES

MECHANICAL/PLUMBING
H.M. YONGE & ASSOCIATES

ELECTRICAL
KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL
SEAL

PROJECT NO. : 22028
SHEET TITLE :

STRUCTURAL STEEL DETAILS

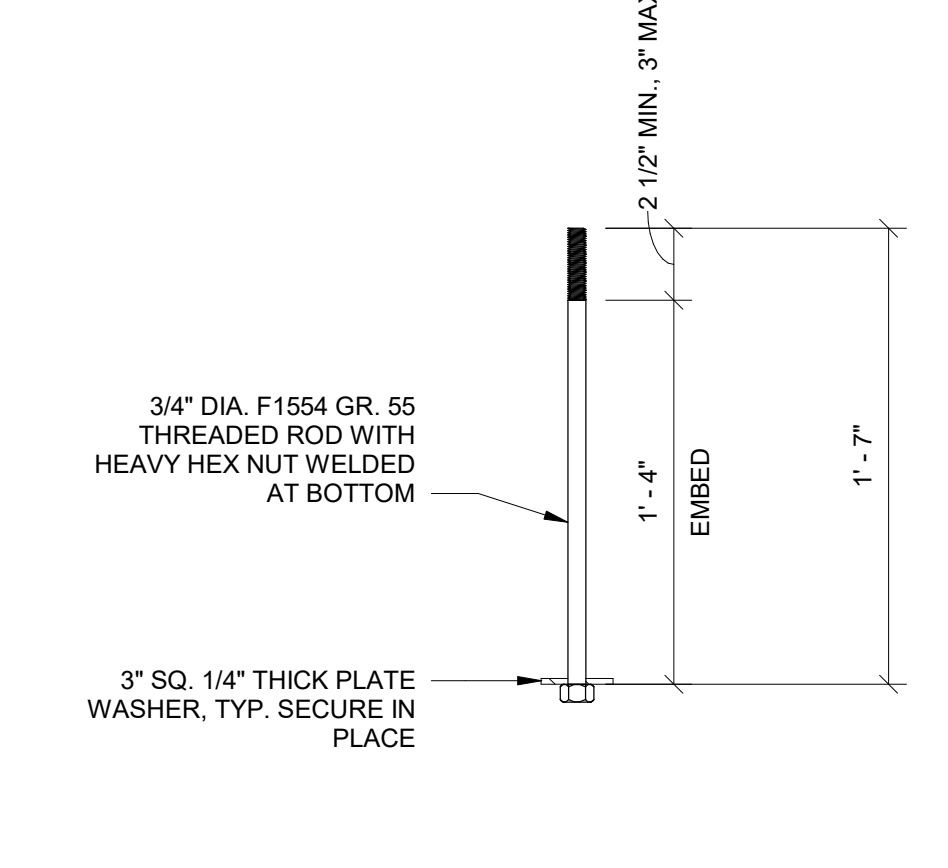
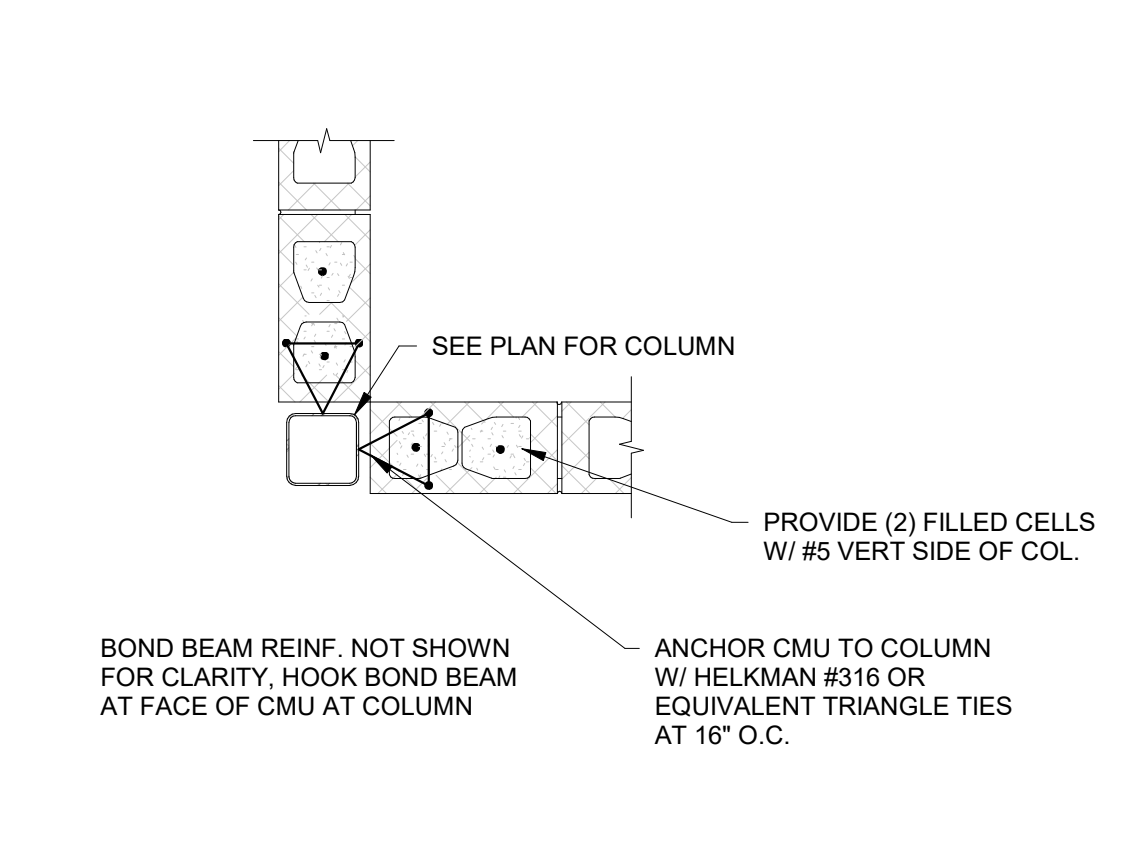
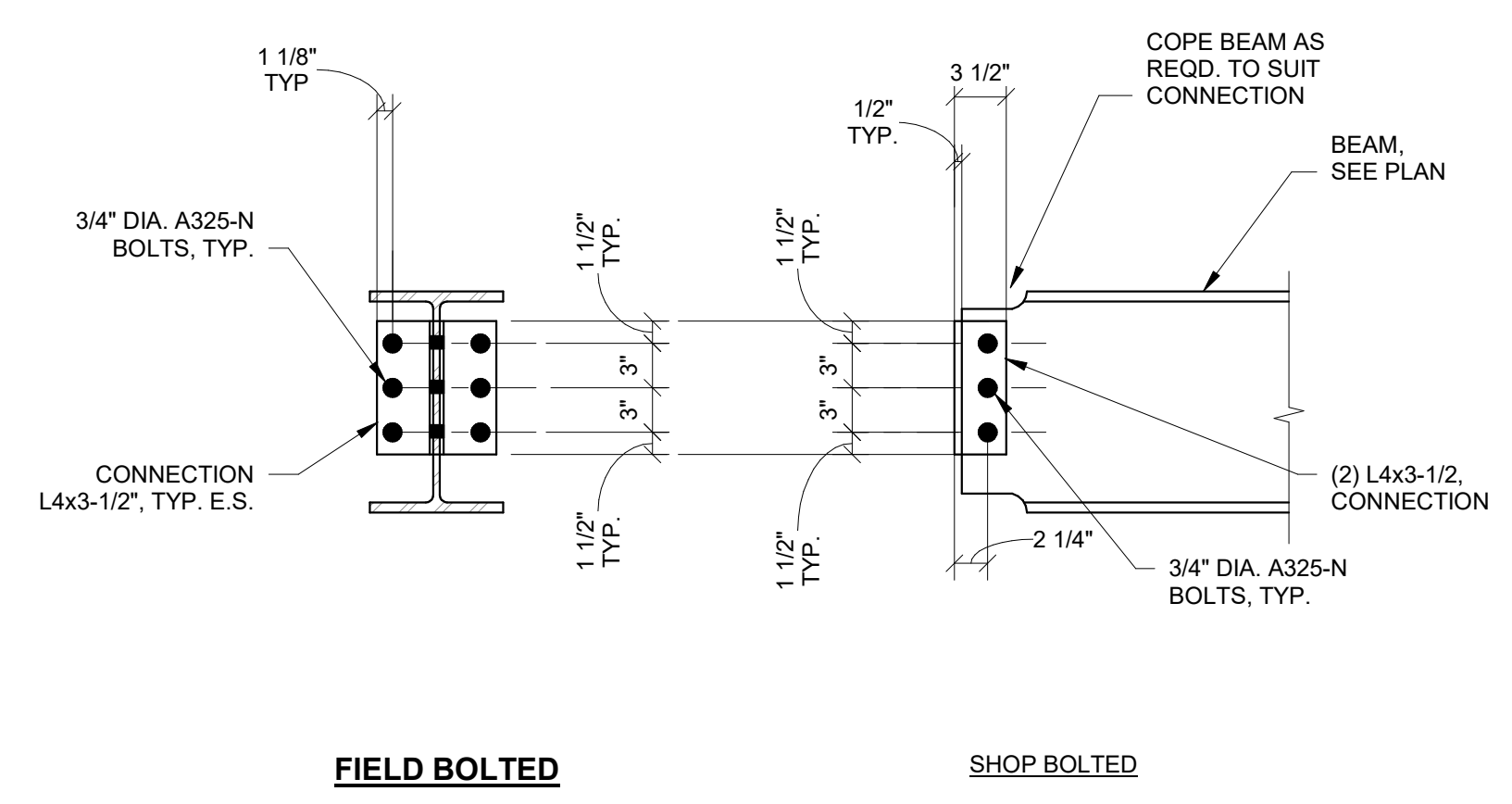
SHEET NUMBER :
S501

- CIVIL KENNETH HORNE & ASSOCIATES
- LANDSCAPE FORME DESIGN GROUP
- STRUCTURAL MCCARTHY ENGINEERING
- ARCHITECTURAL CALDWELL ASSOCIATES
- FIRE PROTECTION H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING H.M. YONGE & ASSOCIATES
- ELECTRICAL KLOCKE & ASSOCIATES

ALL BOLTED DOUBLE ANGLE CONNECTION SCHEDULE

TYPICAL BEAM SIZE	DOUBLE ANGLE MINIMUM THICKNESS	# OF ROWS OF BOLTS
W8	5/16"	2
W10	5/16"	2
W12	5/16"	3
W14	5/16"	3
W16	5/16"	4
W18	5/16"	5
W21	5/16"	6

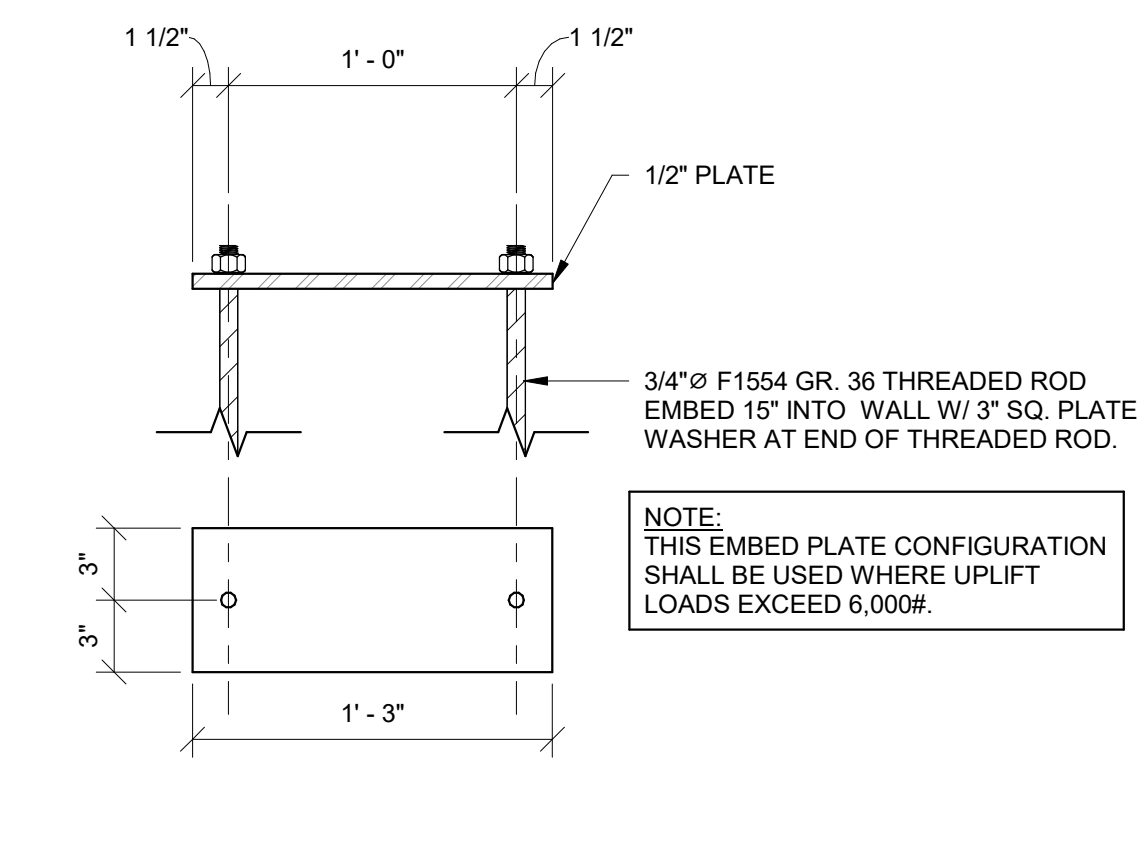
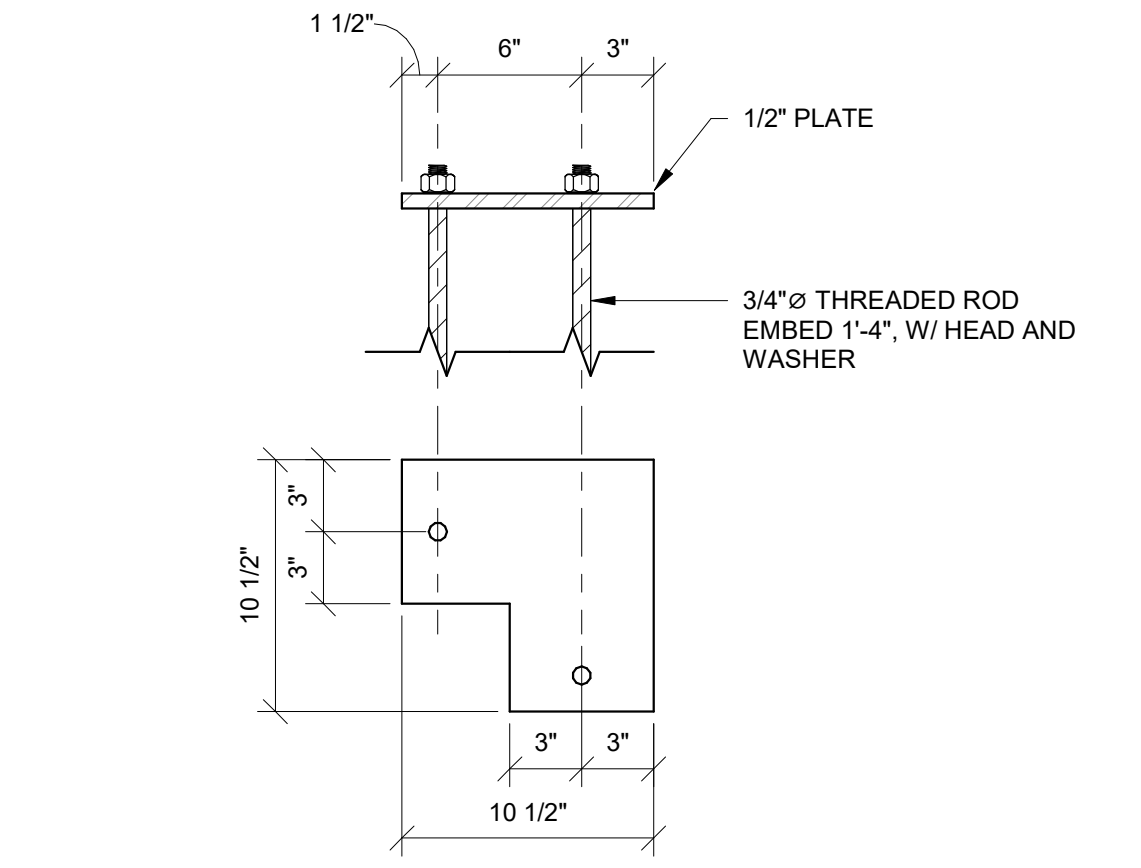
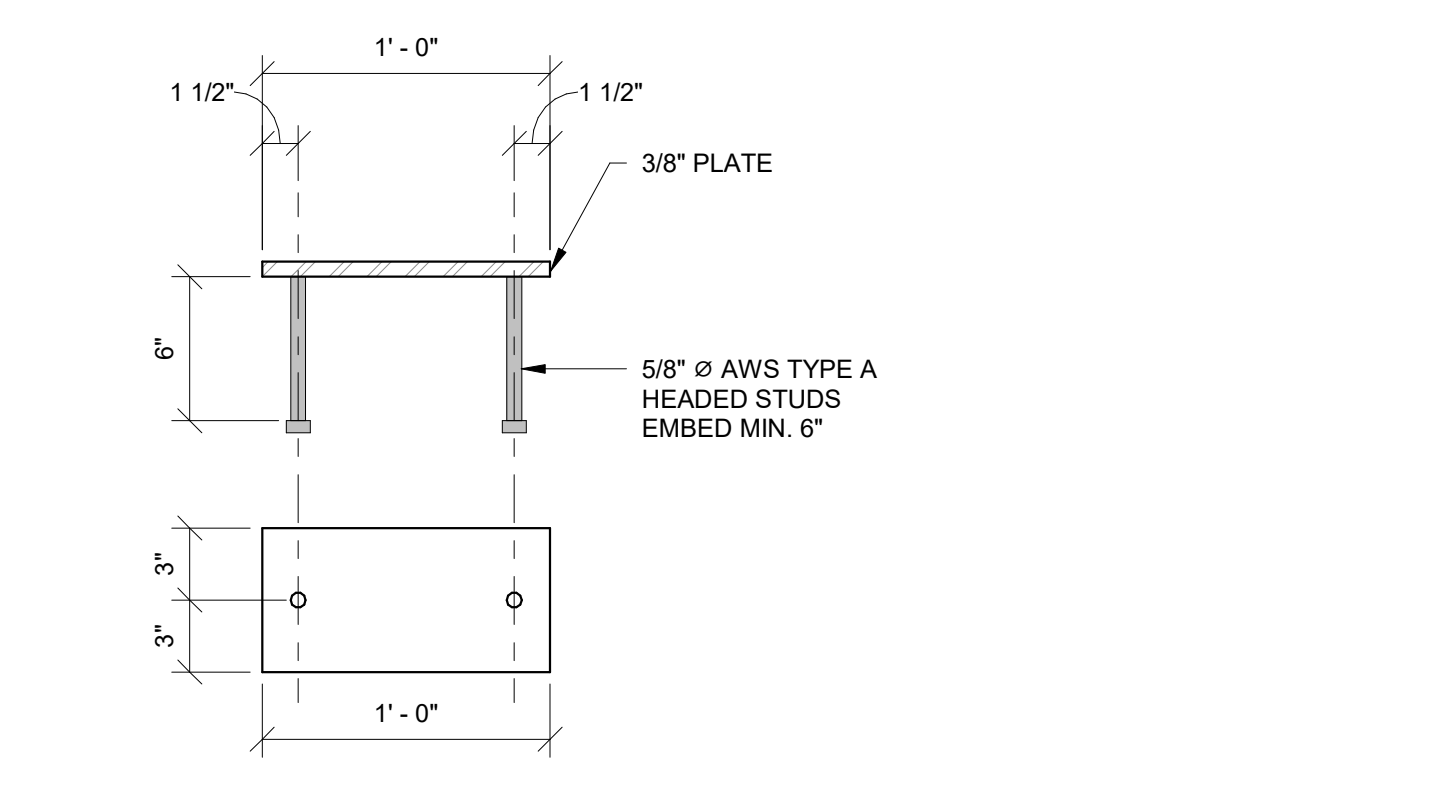
NOTES:
1. CONNECTION MAY BE FIELD BOLTED OR SHOP BOLTED TO BEAM WEB AT SUPPLIER'S OPTION.
2. ALL DOUBLE ANGLE CONNECTIONS MUST COMPLY WITH OSHA REGULATIONS.
DOUBLE ANGLES CONNECTION OPPOSITE SIDE OF BEAM WEB SHALL HAVE SHORTENED ANGLE AND ONE LESS BOLT. OPPOSITE SIDE WEBS.



① BEAM TO GIRDER DETAIL
1" = 1'-0"

② ATTACHMENT OF HSS COL. TO CMU WALL
3/4" = 1'-0"

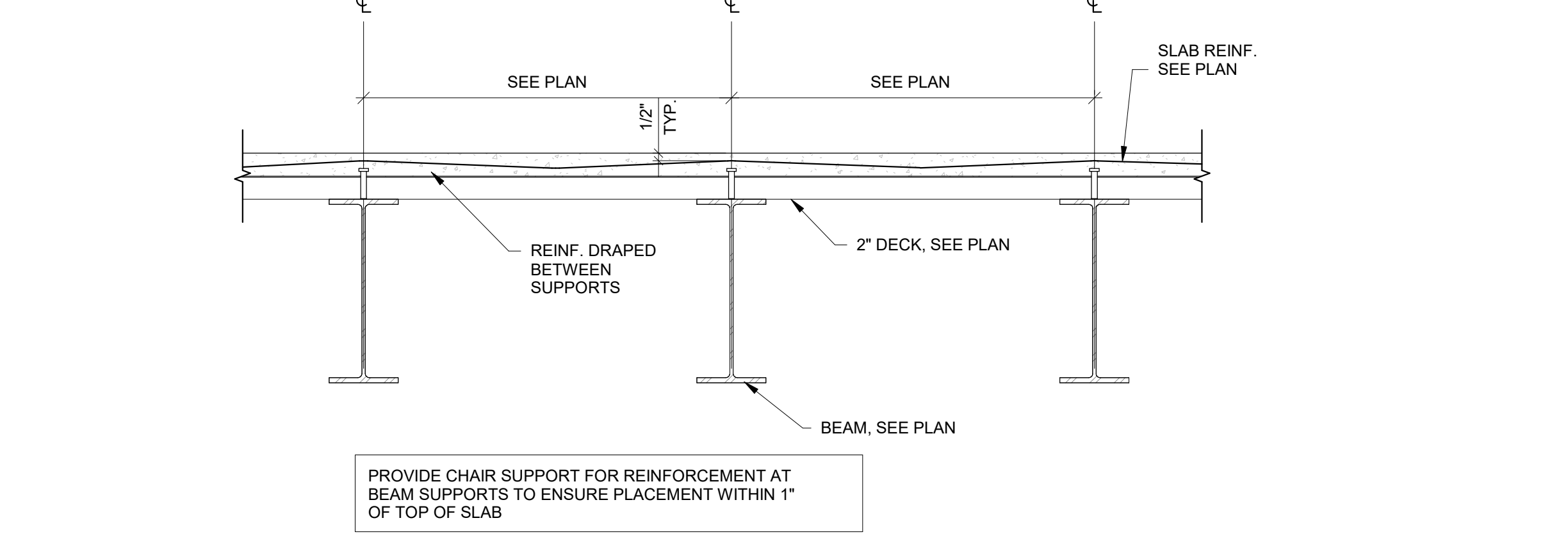
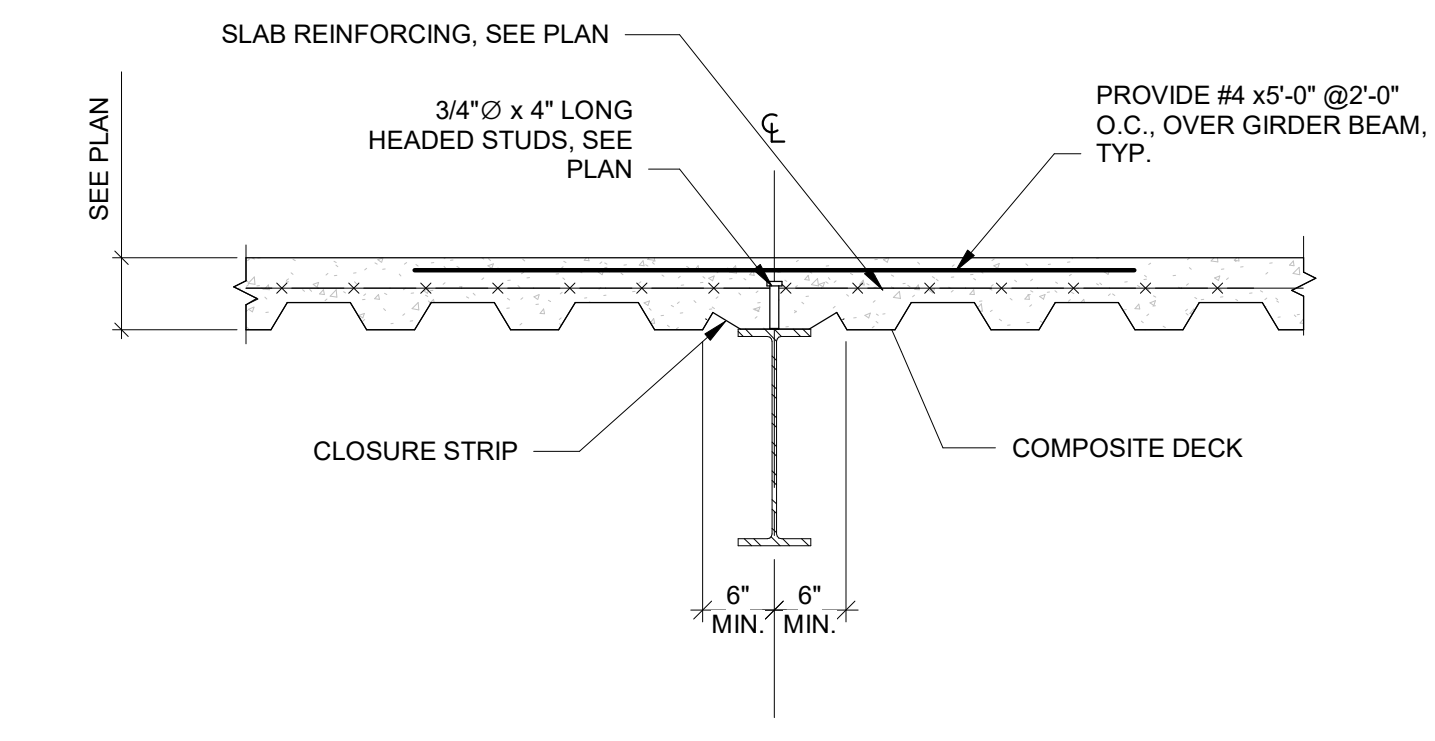
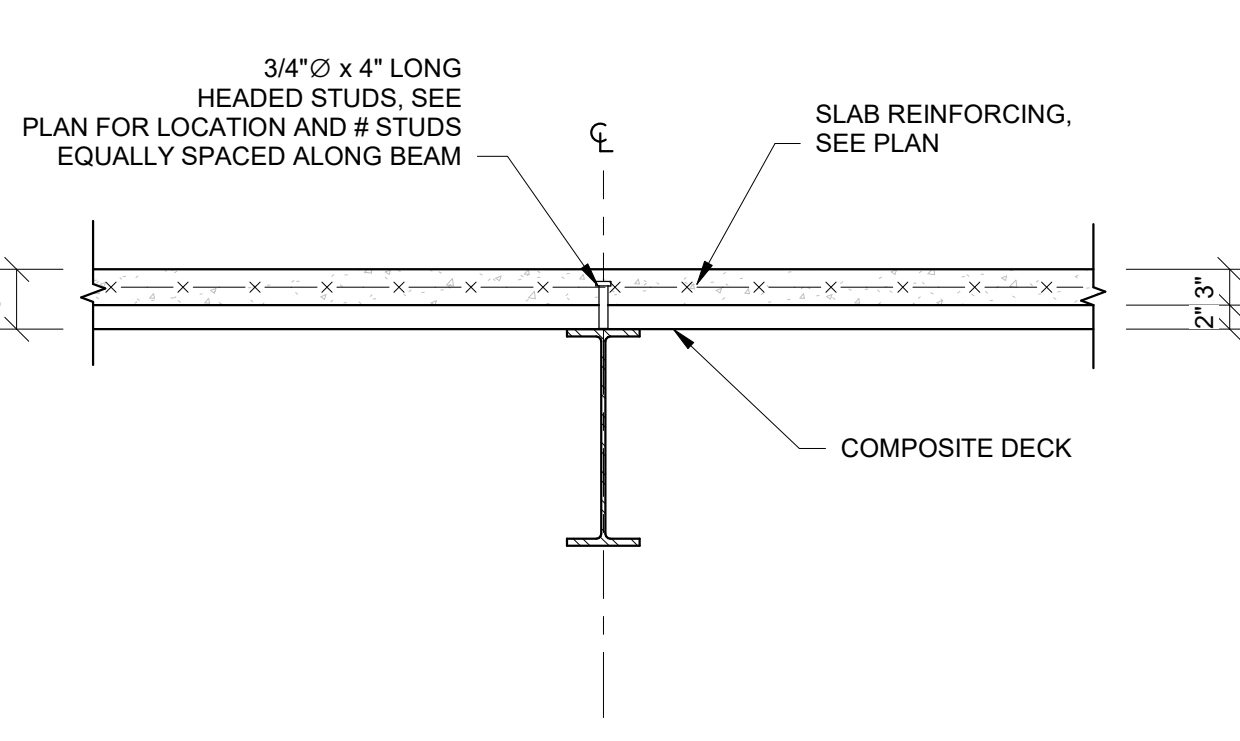
③ ANCHOR BOLT DETAIL
1 1/2" = 1'-0"



④ EMBED PLATE DETAIL
1 1/2" = 1'-0"

⑤ CORNER EMBED PLATE DETAIL
1 1/2" = 1'-0"

⑥ WBEAM EMBED PLATE DETAIL
1 1/2" = 1'-0"



⑦ DECK BEAM DETAIL
3/4" = 1'-0"

⑧ DECK @ GIRDER BEAM DETAIL NO. 2
3/4" = 1'-0"

⑨ SLAB ARRANGEMENT DETAIL
3/4" = 1'-0"

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY

REVISION 2 - 2/28/24 RFI REVISIONS

REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PROJECT TEAM:

- CIVIL KENNETH HORNE & ASSOCIATES
- LANDSCAPE FORME DESIGN GROUP
- STRUCTURAL MCCARTHY ENGINEERING
- ARCHITECTURAL CALDWELL ASSOCIATES
- FIRE PROTECTION H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING H.M. YONGE & ASSOCIATES
- ELECTRICAL KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

SEAL

PROJECT NO. : 22028
SHEET TITLE :

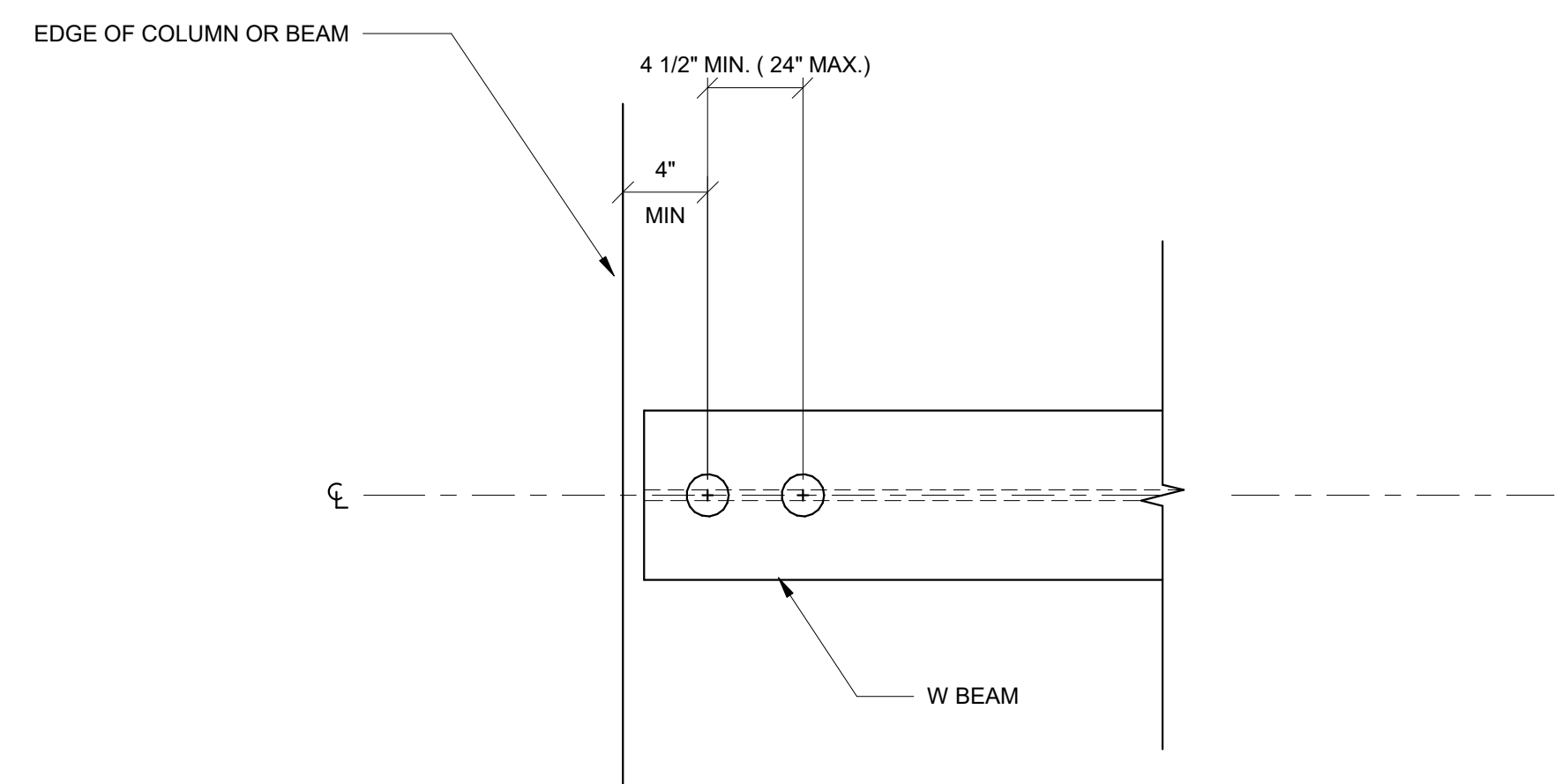
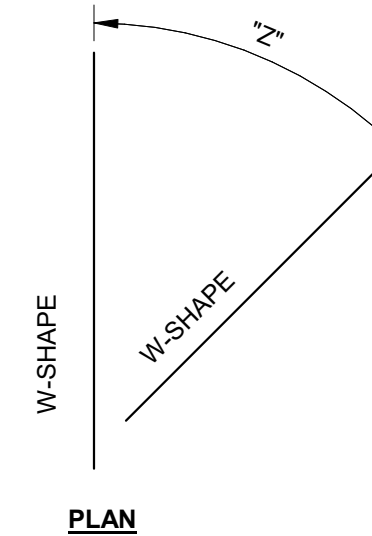
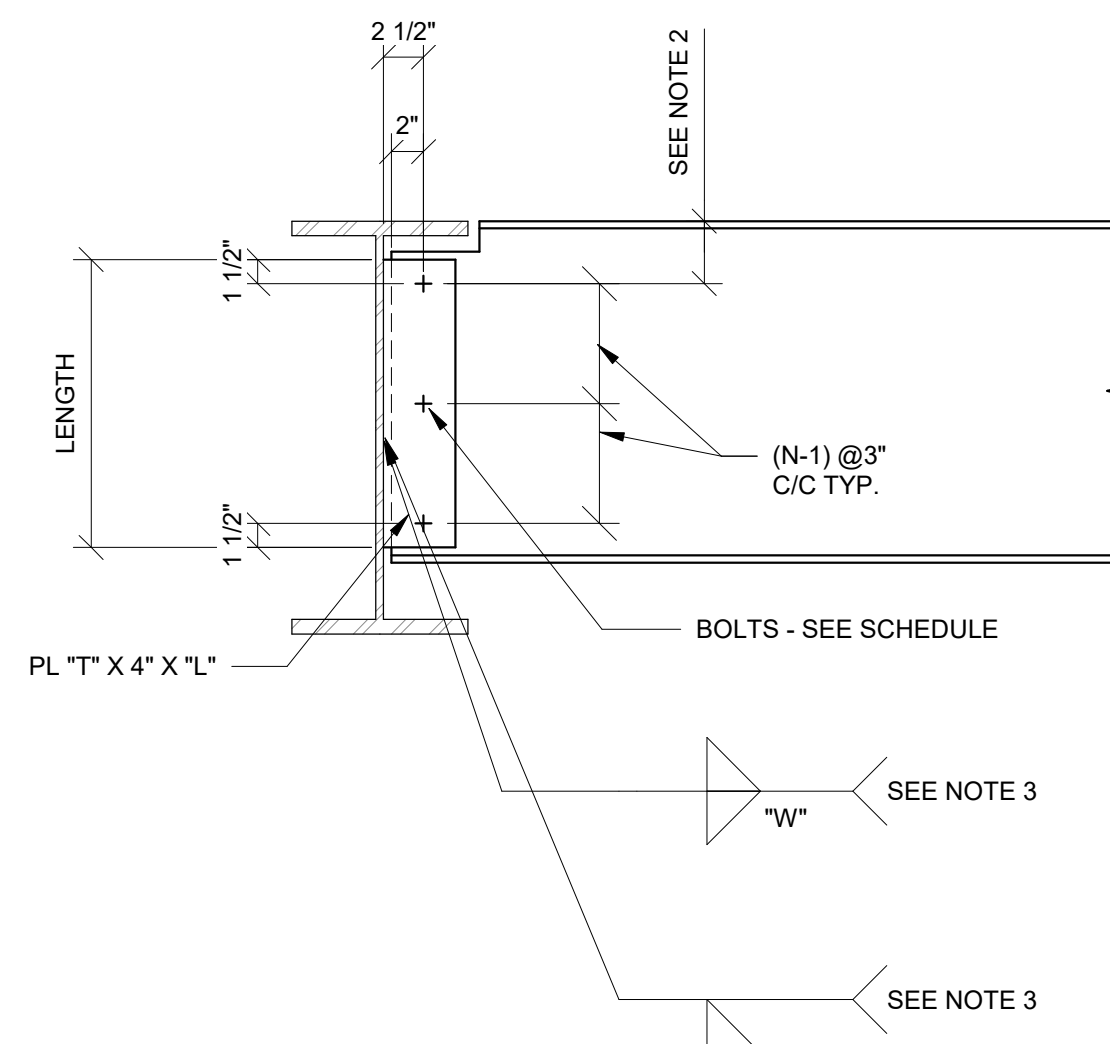
STRUCTURAL STEEL DETAILS

SHEET NUMBER :

S503

SHEAR TAB CONNECTION SCHEDULE					WELD SCHEDULE	
BEAM SIZE	PLATE LENGTH "L"	PLATE THICK "T"	NUMBER OF BOLTS "N"	BOLT SIZE AND TYPE	ANGLE OF FRAMING "Z"	WELD SIZE "W"
					90 TO 60	BEAM SIZE W 8 TO W 27 * 1/4" FILLET
C-W8	6"	5/16"	2	3/4" DIA A325-N	59.9 TO 30	FULL PEN
W 10	6"	5/16"	2	3/4" DIA A325-N	LESS THAN 30	
C-W12	9"	5/16"	3	3/4" DIA A325-N		
W 14	9"	5/16"	3	3/4" DIA A325-N		
W 16	12"	5/16"	4	3/4" DIA A325-N		
W 18	12"	5/16"	4	3/4" DIA A325-N		
W 21	15"	5/16"	5	3/4" DIA A325-N		
W 24	18"	5/16"	6	3/4" DIA A325-N		

* BOTH SIDES



NOTES:

1. ALL STUDS ARE 3/4" DIA X 4" LONG
2. PLACE 1 STUD MAX. PER DECK FLUTE FULL LENGTH OF BEAM., U.N.O., SEE PLAN
3. WHEN THE NUMBER OF STUDS EXCEEDS THE NUMBER OF FLUTES, LAYOUT 1 STUD EVERY OTHER FLUTE. THEN LAYOUT THE REMAINING STUDS BEGINNING AT THE BEAM ENDS. ALTERNATE ENDS UNTIL NUMBER OF STUDS REQUIRED ARE LOCATED.
4. WHERE DECK IS PARALLEL TO BEAMS, STUDS SHALL BE EQUALLY SPACED. IF ONE STUD NUMBER IS SHOWN ON PLAN. OTHERWISE, SPACE STUDS BETWEEN PERPENDICULAR BEAMS AS NOTED ON PLANS.
5. WHERE 2 STUDS ARE REQUIRED PER DECK FLUTE, SPACE STUDS AT 3" MIN. TRANSVERSE TO BEAM AXIS.

① TYPICAL SHEAR STUD SPACING
1 1/2" = 1'-0"

NOTES:

1. DETAIL APPLIES TO ALL SIMPLY SUPPORTED BEAMS UNLESS SPECIFIC DETAILS FOR AN ALTERNATE CONNECTION ARE PROVIDED.
2. 3" MIN OR "K" + 1-1/2" MIN. - "K" = DISTANCE FROM OUTER FACE OF FLANGE TO WEB TOE OF FILLET OF ROLLED SHAPE OR EQUIVALENT DISTANCE ON WELDED SECTION, IN.
3. WELD SIZE AND TYPE VARIES WITH ANGLE OF FRAMING - SEE SCHEDULE.
4. SCHEDULES ARE BASED ON ASD DESIGN METHODS.

② TYPICAL SHEAR STUD SPACING
1" = 1'-0"

SHEET NOTES:

1. DETAILS SHOWN ON THIS SHEET ARE FOR BASIS OF DESIGN ONLY. THE CONTRACTOR SHALL ENGAGE A LIGHT GAUGE ENGINEER TO DESIGN ALL LIGHT GAUGE FOR THIS STRUCTURE. INFORMATION PROVIDED ON THIS SHEET MAY BE UTILIZED BY THE LIGHT GAUGE DESIGNER.

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY
REVISION 2 - 2/28/24 RF1 REVISIONS
REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PROJECT TEAM:

- CIVIL: KENNETH HORNE & ASSOCIATES
- LANDSCAPE: FORME DESIGN GROUP
- STRUCTURAL: MCCARTHY ENGINEERING
- ARCHITECTURAL: CALDWELL ASSOCIATES
- FIRE PROTECTION: H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING: H.M. YONGE & ASSOCIATES
- ELECTRICAL: KLOCKE & ASSOCIATES

PROJECT: CREATIVE LEARNING ACADEMY

**3151 HYDE PARK RD.
PENSACOLA, FL**

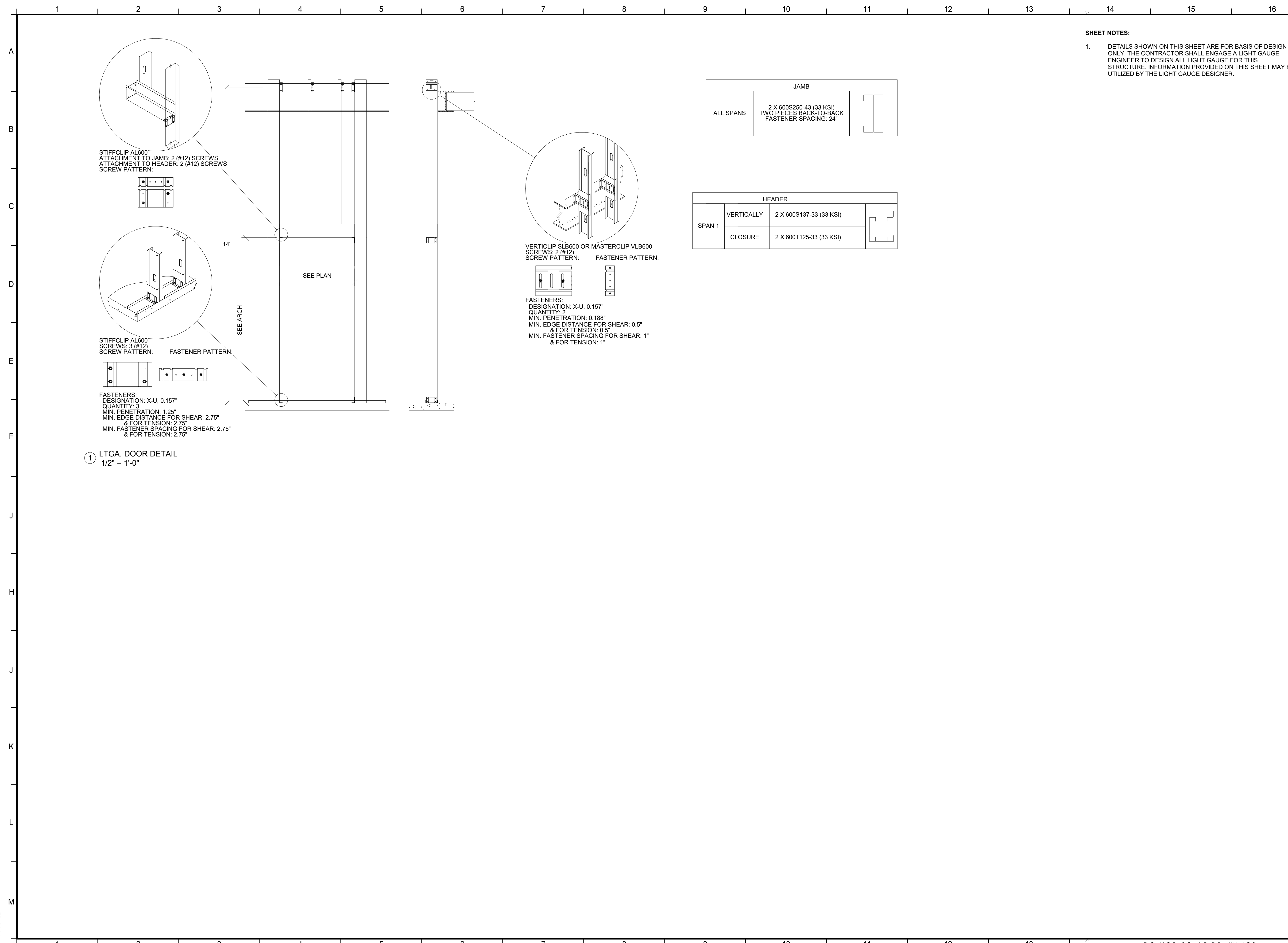
SEAL

PROJECT NO. : 22028
SHEET TITLE :

LTGA DETAILS

SHEET NUMBER :

S600



① LTGA DOOR DETAIL
1/2" = 1'-0"

SHEET NOTES:

1. DETAILS SHOWN ON THIS SHEET ARE FOR BASIS OF DESIGN ONLY. THE CONTRACTOR SHALL ENGAGE A LIGHT GAUGE ENGINEER TO DESIGN ALL LIGHT GAUGE FOR THIS STRUCTURE. INFORMATION PROVIDED ON THIS SHEET MAY BE UTILIZED BY THE LIGHT GAUGE DESIGNER.

PROJECT ISSUES:

SCHEMATIC DESIGN: 6/25/2023

DESIGN DEVELOPMENT: 8/21/2023

100% CONSTRUCTION DOCUMENTS: 11/17/2023

REVISION 1 - 2/20/24 CIVIL ONLY

REVISION 2 - 2/28/24 RFI REVISIONS

REVISION 3 - 3/21/24 CP COMMENTS

CONFORMANCE SET 4/16/2024

PROJECT TEAM:

- CIVIL
- KENNETH HORNE & ASSOCIATES
- LANDSCAPE
- FORME DESIGN GROUP
- STRUCTURAL
- MCCARTHY ENGINEERING
- ARCHITECTURAL
- CALDWELL ASSOCIATES
- FIRE PROTECTION
- H.M. YONGE & ASSOCIATES
- MECHANICAL/PLUMBING
- H.M. YONGE & ASSOCIATES
- ELECTRICAL
- KLOCKE & ASSOCIATES

PROJECT:
CREATIVE LEARNING ACADEMY

3151 HYDE PARK RD.
PENSACOLA, FL

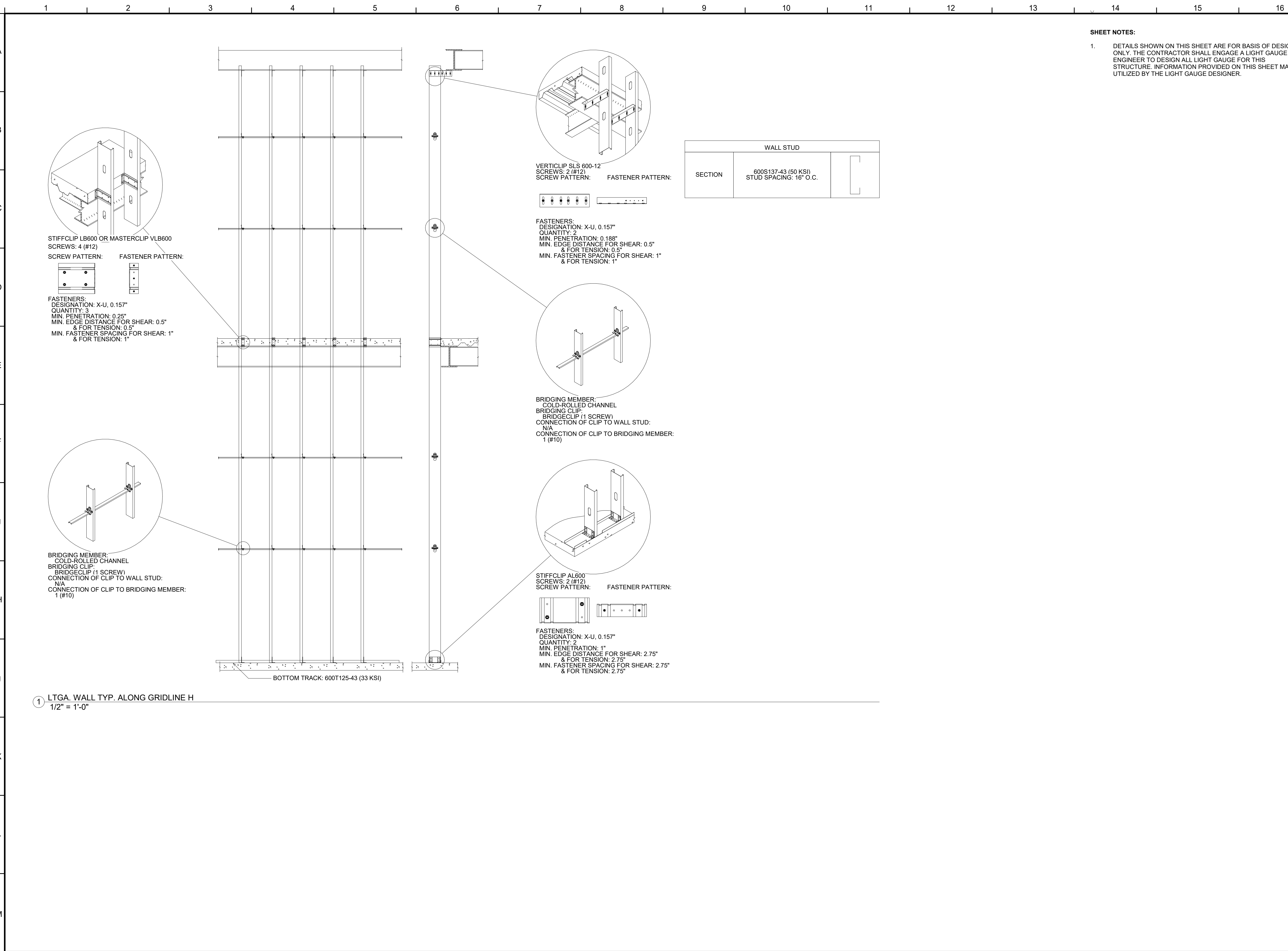
SEAL

PROJECT NO. : 22028
SHEET TITLE :

LTGA DETAILS WALL
ALONG GRIDLINE H

SHEET NUMBER :

S601



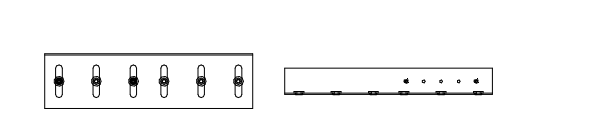
STIFFCLIP LB600 OR MASTERCLIP VLB600
SCREWS: 4 (#12)

SCREW PATTERN: FASTENER PATTERN:



FASTENERS:
DESIGNATION: X-U, 0.157"
QUANTITY: 3
MIN. PENETRATION: 0.25"
MIN. EDGE DISTANCE FOR SHEAR: 0.5"
& FOR TENSION: 0.5"
MIN. FASTENER SPACING FOR SHEAR: 1"
& FOR TENSION: 1"

VERTICLIP SLS 600-12
SCREWS: 2 (#12)
SCREW PATTERN: FASTENER PATTERN:



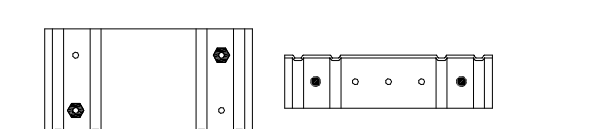
FASTENERS:
DESIGNATION: X-U, 0.157"
QUANTITY: 2
MIN. PENETRATION: 0.188"
MIN. EDGE DISTANCE FOR SHEAR: 0.5"
& FOR TENSION: 0.5"
MIN. FASTENER SPACING FOR SHEAR: 1"
& FOR TENSION: 1"

WALL STUD		
SECTION	600S137-43 (50 KSI) STUD SPACING: 16" O.C.	

BRIDGING MEMBER:
COLD-ROLLED CHANNEL
BRIDGING CLIP:
BRIDGECLIP (1 SCREW)
CONNECTION OF CLIP TO WALL STUD:
N/A
CONNECTION OF CLIP TO BRIDGING MEMBER:
1 (#10)

BRIDGING MEMBER:
COLD-ROLLED CHANNEL
BRIDGING CLIP:
BRIDGECLIP (1 SCREW)
CONNECTION OF CLIP TO WALL STUD:
N/A
CONNECTION OF CLIP TO BRIDGING MEMBER:
1 (#10)

STIFFCLIP AL600
SCREWS: 2 (#12)
SCREW PATTERN: FASTENER PATTERN:



FASTENERS:
DESIGNATION: X-U, 0.157"
QUANTITY: 2
MIN. PENETRATION: 1"
MIN. EDGE DISTANCE FOR SHEAR: 2.75"
& FOR TENSION: 2.75"
MIN. FASTENER SPACING FOR SHEAR: 2.75"
& FOR TENSION: 2.75"

1 LTGA. WALL TYP. ALONG GRIDLINE H
1/2" = 1'-0"