

GENERAL STRUCTURAL NOTES

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND ENGINEERS.
  - DETAILS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS AND CONDITIONS UNLESS NOTED OTHERWISE.
  - CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT ALL WORK IN PROGRESS UNTIL THE BUILDING IS COMPLETED.
  - ALL STRUCTURAL ITEMS FOR THIS PROJECT HAVE BEEN DESIGNED IN ACCORDANCE WITH APPROPRIATE PROVISIONS OF EACH OF THE FOLLOWING:
    - THE FLORIDA BUILDING CODE, (SEVENTH EDITION) 2020.
    - ACI STANDARD 318-14 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
    - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402-16).
    - AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" 360-16.
    - NDS FOR WOOD CONSTRUCTION WITH 2018 NDS SUPPLEMENT.
    - ASCE 7-16 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".
    - ICC 500-2014, ICC/NSSA STANDARD FPR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS.
  - THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE ARCHITECTURAL AND MECHANICAL DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT PRIOR TO PERFORMING WORK. IN CASE OF CONFLICT THE MOST STRINGENT CONDITION SHALL APPLY.
  - ALL DIMENSIONS MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND WITH EQUIPMENT MANUFACTURER (I.E. WINDOW, DOOR, AIR HANDLER, ETC.). CONTRACTOR MUST OBTAIN AN ARCHITECTURAL DIRECTIVE IN CASE OF ANY CONFLICT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN IN STRUCTURAL DRAWINGS.
  - ROOFTOP EQUIPMENT ANCHORAGE & OUTDOOR RACK MOUNTED EQUIPMENT ANCHORAGE. ALL ROOFTOP EQUIPMENT CURBS, ROOF TOP MECHANICAL EQUIPMENT, EQUIPMENT TIE DOWNS, AND CONNECTIONS OF ALL EQUIPMENT TO OUTDOOR RACKS OR BUILDING STRUCTURE FOR WIND LOADING ARE TO BE DESIGNED BY THE STRUCTURAL ENGINEER. A REGISTERED SPECIALTY ENGINEER RETAINED BY THE MECHANICAL EQUIPMENT SUPPLIER, SIGNED AND SEALED DRAWINGS AND CALCULATIONS ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL. THE EQUIPMENT MANUFACTURER SHALL PROVIDE THE ATTACHMENT OF THE UNIT TO THE STRUCTURE AND SUBMIT TO THE ENGINEER LOADS, LOCATIONS, AND METHODS OF ATTACHMENT. THE STRUCTURAL ENGINEER WILL MAKE PROVISIONS IN THE DESIGN OF THE PRIMARY STRUCTURAL FRAME TO ACCOMMODATE THE LOADS AND ATTACHMENTS SUBMITTED BY THE MANUFACTURER.
  - ALLOWANCES FOR THIS PROJECT:
    - 100 CUBIC YARDS OF 5,000 PSI STRUCTURAL CONCRETE.
    - 10 TONS REINFORCED STEEL.
- CONTRACTOR SHALL GIVE CREDIT TO OWNER FOR ANY UNUSED PORTION OF THIS ALLOWANCE AT THE END OF THE PROJECT.

CONCRETE AND REINFORCING:

- ALL CONCRETE WORK SHALL CONFORM TO THE LATEST ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI-318".
- ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTHS AS INDICATED BELOW:

| CONCRETE STRENGTH | MAX WATER CEMENT RATIO | TYPE AGGREGATE | LOCATION USED        |
|-------------------|------------------------|----------------|----------------------|
| 5000 PSI          | 0.42                   | STONE          | CONCRETE U.N.O.      |
| 4000 PSI          | 0.45                   | STONE          | FOUNDATIONS          |
| 3500 PSI          | 0.48                   | STONE          | COMPOSITE METAL DECK |
| 3000 PSI          | 0.52                   | STONE          | SLAB ON GRADE        |
- ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE, NEW BILLET STEEL, DEFORMED BARS, CONFORMING TO ASTM A-615, GRADE 60. ALL BARS SHALL BE SECURELY SUPPORTED AND WIRED IN PLACE, PRIOR TO POURING CONCRETE. ALL REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A-706.
- ALL WELDED WIRE FABRIC (W.W.F.) IN FLAT SHEETS ONLY AND SHALL CONFORM TO ASTM A-185.
- UNLESS NOTED, ALL BARS MARKED CONTINUOUS SHALL BE SPLICED AT ALL LAP POINTS AND CORNERS AND DEVELOPED AT NON-CONTINUOUS ENDS AS PER TYPICAL DETAILS. SPLICE CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND SPLICE CONTINUOUS BOTTOM BARS AT SUPPORTS.
- CONCRETE COVER FOR REINFORCING BARS SHOWN IN TYPICAL DETAILS.
- UNLESS NOTED, TEMPERATURE REINFORCING (ASTM A-615-60) TO BE 0.0018 X CONCRETE AREA.
- PROVIDE #4 @ 12" O.C., WITH STANDARD HOOK, TOP BARS IN ALL SLABS AT DISCONTINUOUS ENDS UNLESS OTHERWISE NOTED ON PLANS. LENGTH OF BARS 1/4 OF SPAN, MINIMUM 3'-0", UNLESS OTHERWISE NOTED. PROVIDE #4 @ 12" O.C. IN ALL CANTILEVERS. BAR LENGTH SHALL BE CANTILEVER SPAN PLUS 10'-0" PLUS STANDARD HOOK AT CANTILEVER ENDS.
- WHERE PIPE SLEEVES (UP TO 2" IN DIAMETER) PASS THROUGH CONCRETE BEAMS, PROVIDE ADDITIONAL STIRRUP EACH SIDE OF SLEEVE. SLEEVES FOR PIPES 2" IN DIAMETER OR LARGER MUST BE STEEL OR CAST IRON, AND THE LOCATION MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
- ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED JUST BEFORE PLACING NEW CONCRETE IN ACCORDANCE WITH THE BUILDING CODE.
- FOR CHAMFER OF EXPOSED CORNERS OF BEAMS AND/OR COLUMNS, SEE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL COORDINATE PLACEMENT OF, OR BOX OUT FOR, ALL PIPE SLEEVES, OPENINGS, ETC. REQUIRED FOR VARIOUS TRADES.
- CONTRACTOR SHALL COORDINATE AND NOTIFY OTHER TRADES IN SUFFICIENT TIME TO ALLOW THEM TO SET ANCHORS, INSERTS, BOLTS, HANGERS, ETC., AS REQUIRED FOR THEIR USE.
- SEE ARCHITECTURAL DRAWINGS FOR DETAILS OF FLASHING REGLETS, FASCIA DETAILS, ETC.
- UNDER NO CIRCUMSTANCES SHALL CONCRETE BE PUMPED THROUGH ALUMINUM PIPES. CONCRETE SHALL NOT BE PLACED IN CONTACT WITH ALUMINUM, ALUMINUM MIXING DRUMS, TRUCK MIXERS, BUGGIES, CHUTES, CONVEYORS, TREMIE PIPES, AND OTHER EQUIPMENT MADE OF ALUMINUM SHALL NOT BE USED ON THIS PROJECT.
- SLUMPS OF OVER 4 INCHES WILL NOT BE PERMITTED UNLESS THE HRWR ADMIXTURE (SUPER PLASTICIZER) IS USED. MAXIMUM SLUMP IS THEN 8 INCHES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- NO ADMIXTURE SHALL BE USED IN CONCRETE EXCEPT WITH THE PERMISSION OF THE ENGINEERS AND AFTER LABORATORY DESIGN MIX APPROVAL. ALL ADMIXTURES SHALL CONTAIN NO MORE CHLORIDE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
- WATER REDUCING ADMIXTURE SHALL CONFORM TO THE ASTM C-494, TYPE A, AND SHALL BE USED IN ALL CONCRETE.
- AIR ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260. AIR CONTENT OF CONCRETE SHALL BE USED AS FOLLOWS:
  - FOR CONCRETE EXPOSED TO SOIL AND/OR WEATHER, 5%.
  - FOR INTERIOR WALLS, COLUMNS, AND SLABS, 3%.
- FLY ASH - ASTM C618, TYPE C OR TYPE F SHOULD BE USED BUT NOT TO EXCEED 20% CEMENTITIOUS CONTENT.
- ALL EXPOSED CONCRETE SHALL RECEIVE A CURING COMPOUND. THE CURING COMPOUND SHALL CONFORM TO ASTM C309 AND SHALL HAVE 30% SOLIDS MINIMUM. WATER/BLANKET CURING AS PER ACI RECOMMENDATION MAY BE USED AS ALTERNATE.

FOUNDATION NOTES:

- SITE SOIL FOR THIS PROJECT HAS BEEN INVESTIGATED BY THE FIRM OF TIERRA SOUTH FLORIDA, INC. (TSF) AND FOUND, AS PRESENTED IN THEIR REPORT DATED AUGUST 25, 2021 SUITABLE TO SUPPORT 2.5 KSF SPREAD FOOTINGS. FOUNDATIONS ARE INDICATED IN THE ROOF FRAMING NOTES OF THE ROOF PLAN DRAWING.
- FILL AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER RECOMMENDATION AS CONTAINED IN THEIR REPORT.
- ALL COLUMN FOOTINGS SHALL BE CENTERED UNDER COLUMN CENTERLINES UNLESS OTHERWISE NOTED.
- BACKFILLING AGAINST FOUNDATION WALLS SHALL BE DONE CAREFULLY WITH SMALL COMPACTION EQUIPMENT. AFTER SLABS ON GROUND ARE IN PLACE AND CONCRETE HAS SET, NO TRUCKS, BULLDOZERS, ETC. SHALL BE ALLOWED CLOSER THAN 6'-0" TO ANY FOUNDATION WALL. ANY WALL 3'-0" OR HIGHER MUST BE BRACED DURING THE CONSTRUCTION PROCESS.
- NO FOUNDATIONS SHALL BE PLACED ABOVE 1 VERTICAL ON 2 HORIZONTAL SLOPES EXTENDED FROM THE CLOSEST EDGE OF ANY UNDISTURBED SOIL OR OTHER FOUNDATION STRUCTURE. BOTTOM OF FOOTINGS SHALL NOT BE LESS THAN 1'-0" BELOW EXISTING FINISH GRADE.
- FOR FOUNDATIONS SIZE AND REINFORCING SEE SCHEDULE.
- ELEVATOR PIT DIMENSIONS = VERIFY WITH ELEVATOR MANUFACTURERS APPROVED SHOP DRAWINGS.
- WATER PROOFING MATERIALS SHALL BE PROVIDED ON ALL SIDES AND BOTTOMS OF ELEVATOR CORE AND ESCALATOR PIT.
- CONTRACTOR SHALL TREAT SOIL BENEATH BUILDING FOR TERMITES.

MASONRY:

- DESIGN AND CONSTRUCTION SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ASCE 7-16) / TMS 402-16.
- MINIMUM NET COMPRESSIVE STRENGTH OF BLOCK ASSEMBLY SHALL BE 2000 P.S.I. (PM) MORTAR FOR MASONRY SHALL BE TYPE "S" OR "M".
- FOR ALL EXTERIOR AND INTERIOR BEARING BED JOINTS ARE TO COVER 100% OF THE MASONRY SURFACES AND ALL HEAD JOINTS ARE TO COVER 100% OF THE PROJECTED AREA OF THE FACE SHELLS.
- FILL ALL CELLS AS REQUIRED WITH 3000 P.S.I. GROUT. SLUMP SHALL BE 8 TO 11 INCHES. SUBMIT DESIGN MIX FOR APPROVAL.
- MINIMUM HORIZONTAL JOINT REINFORCING SHALL BE 9 GAGE HOT DIP GALVANIZED TRUSS OR LADDER TYPE JOINT REINFORCING AT 16" O.C., PROVIDE MANUFACTURE "T" AND "L" SHAPES FOR INTERSECTIONS AND CORNERS. (MINIMUM LAP 8").
- MINIMUM VERTICAL REINFORCING SHALL BE (1)#5 @ 48" OR (1)#4 @ 32" O.C. (U.N.O.).
- PROVIDE ADDITIONAL VERTICAL REINFORCING BAR AT EVERY CORNER, INTERSECTION, CONTROL JOINT, AND OPENING EDGES (U.N.O.).
- MINIMUM SPLICE FOR VERTICAL REINFORCING IS SHOWN IN DETAIL 4-223, SPLICE FOR HORIZONTAL JOINT REINFORCING = 12".
- WALLS ARE DESIGNED TO BE BRACED. ALL BRACING AND JOINT MEMBERS, CONTRACTOR SHALL PROVIDE TEMPORARY BRACING DURING CONSTRUCTION.
- ALL CELLS BELOW FIRST FLOOR FINISHED ELEVATION MUST BE FULLY GROUT FILLED.
- ALL KNOCK OUT BLOCK HORIZONTAL BARS SHALL HAVE CORNER BARS AT ALL CORNERS AND WALL INTERSECTIONS. SIZE AND NUMBER OF CORNER BARS SHALL BE SAME AS HORIZONTAL BARS.
- ALL INTERSECTING WALLS AND CORNER WALLS SHALL BE LAID IN AN OVERLAPPING MASONRY BONDING PATTERN, WITH ALTERNATE UNITS HAVING A BEARING OF NOT LESS THAN 3 INCHES ON UNIT BELOW.

COMPOSITE METAL FLOOR DECK:

- STEEL FLOOR DECK SHALL BE AS SPECIFIED IN THE FLOOR FRAMING NOTES ON THE FLOOR PLAN.
- ALL STEEL FLOOR DECK SHALL BE GALVANIZED G90.
- ALL STEEL FLOOR DECK SHALL BE CAPABLE OF SUPPORTING ALL CONSTRUCTION LOADS.
- ALL STEEL FLOOR DECK SHALL BE CONTINUOUS OVER FOUR OR MORE STRUCTURAL SUPPORTS (I.E. DECK SHOULD BE DETAILED FOR A THREE SPAN CONDITION).
- STEEL FLOOR DECK SHALL HAVE NESTING SIDE LAPS (ATTACHED BY MECHANICAL MEANS) AT THE CENTER OF EACH SPAN OR 30" O.C. WHICHEVER IS LEAST DIMENSION UNLESS OTHERWISE INDICATED.
- IF DECK IS CUT IN SINGLE SPAN CONDITION, EACH END OF SUCH SECTIONS SHALL BE WELDED TO ITS SUPPORT THROUGH WELDING WASHERS IN THE BOTTOM OF EACH RIB.
- IN AREAS WHERE THE DECK IS CUT AS PER NOTE 6, THE GAGE OF THE SINGLE SPAN DECK SHALL BE ADJUSTED UPWARDS AS REQUIRED BY THE ENGINEER TO SUPPORT THE LOADS.
- ANY ELECTRICAL WORK WEIGHING MORE THAN 5 PSF SHALL BE HUNG FROM STEEL BEAMS ONLY. FOR HANGERS, SEE SPECIFICATIONS. ALL MECHANICAL WORK AND PIPING SHALL BE HUNG FROM STEEL BEAMS. SEE STRUCTURAL STEEL NOTE 12 (OF STRUCTURAL STEEL NOTES) FOR ADDITIONAL STEEL REQUIRED BY MECHANICAL/ELECTRICAL TRADES TO SUPPORT THEIR EQUIPMENT.
- METAL DECK CONTRACTOR TO PROVIDE 18 GAGE RIDGE PLATE, VALLEY PLATE, EDGE STRIP, ETC. AS REQUIRED.
- STEEL FLOOR DECK SHALL BE WELDED AT ENDS AND ALL INTERMEDIATE SUPPORTING MEMBERS WITH 5/8" DIAMETER PUDDLE WELDS OR ELONGATED WELDS OF EQUAL STRENGTH SPACED PER SPECIFICATIONS IN THE BOTTOM OF THE RIB ACROSS THE WIDTH OF THE DECK UNIT.
- CUT OUT METAL DECK WHERE BOLT PROJECTIONS INTERFERE WITH METAL DECK.
- ANY SINGLE SPAN FLOOR DECK SHALL BE SHORED AT MIDSPAN DURING CONCRETE PLACEMENT. SHORES SHALL REMAIN UNTIL CONCRETE HAS REACHED ITS 28-DAY STRENGTH.
- DIRECTION OF METAL DECK SHOWN THUS  ON PLAN.

STEEL JOIST:

- STEEL JOIST CONSTRUCTION SHALL CONFORM TO THE LATEST SPECIFICATIONS OF, AND THE JOISTS SHALL BE APPROVED BY, THE STEEL JOIST INSTITUTE.
- UNLESS OTHERWISE NOTED, BEAR SHORT SPAN JOISTS MINIMUM OF 2'-1/2" ON STEEL BEAMS AND BEAR LONG SPAN JOIST MINIMUM OF 4" ON STEEL SUPPORTS. IN CASES WHERE JOISTS BEAR ON BEAMS FROM ONE SIDE ONLY, JOIST SEATS SHALL EXTEND A MINIMUM OF 1" PAST THE CENTERLINE OF SUPPORTING BEAM.
- ALL JOISTS BEARING ON BEAMS SHALL BE WELDED OR BOLTED TO THOSE BEAMS.
- PROVIDE BRIDGING FOR ALL JOISTS AS SHOWN ON PLAN BUT NOT LESS THAN WHAT IS REQUIRED BY THE STEEL JOIST INSTITUTE OR THE STEEL JOIST DESIGNER. BRIDGING SHALL CONSIST OF MINIMUM 1-1/4" X 1-1/4" X 7/64" ANGLES (U.N.O.).
- ALL BRIDGING SHALL BE PROVIDED AND INSTALLED BY JOIST SUPPLIER.
- ALL CLIPS AND CONNECTIONS SHALL BE SHOP WELDED.
- NO FIELD WELDING TO BAR JOISTS EXCEPT ITEMS SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS SHALL BE ALLOWED WITHOUT SPECIFIC PERMISSION FROM THE ENGINEER.
- NO JOIST SHALL BE FIELD SPLICED.
- MAXIMUM DEFLECTION OF STEEL JOISTS = L/240.
- FOR PAINTING OF STEEL JOIST, SEE SPECIFICATIONS.
- JOIST MANUFACTURER SHALL SUBMIT WITH THE SHOP DRAWINGS HIS CATALOG USED FOR THE MANUFACTURE OF JOISTS, INDICATING THE LOAD TABLES AND SIZES OF ALL MEMBERS USED.
- NO LOADS EXCEEDING 40 POUNDS MAY BE HUNG FROM JOISTS WITHOUT SPECIFIC PERMISSION FROM THE STRUCTURAL ENGINEER. LOADS LESS THAN 40 POUNDS MAY BE HUNG AT PANEL POINTS ONLY. ANY COST INVOLVED IN REINFORCING OF JOISTS SHALL BE BORNE BY THE PRIME CONTRACTOR REQUIRING ADDED LOADS.
- ALL SHORT SPAN JOISTS, AND DEEP LONG SPAN JOISTS SHALL HAVE UNIFORM CROSS SECTION, WITH STANDARD DEAD LOAD CAMBER. ROOF PITCH IS ACCOMPLISHED BY SLOPED JOISTS AND SUPPORT BEAMS. ADJUST JOIST SEATS AS SHOWN ON DRAWINGS.
- FOR SPECIFIC JOIST ENDS, SEE ROOF SECTION.
- RIGID CONNECTIONS OF BOTTOM CHORDS OF JOISTS TO COLUMNS SHALL BE MADE ONLY AFTER THE APPLICATION OF ALL THE DEAD LOADS. PROVIDE LOOSE BOLTED CONNECTION OF THESE BOTTOM CHORDS DURING ERECTION.
- JOIST SHALL NOT BE FABRICATED USING ELECTRICAL RESISTANCE WELDING.

STEEL ROOF DECK:

- STEEL ROOF DECK SHALL BE A MINIMUM OF 1-1/2" - 20 GAUGE WIDE RIB FOR SPANS UP TO 6'-0" OR 3" TYPE N - 20 GAUGE FOR SPANS UP TO 12'-0". THE SIZE, TYPE AND GAUGE INDICATED ABOVE SHOULD BE USED UNLESS A DIFFERENT ONE IS INDICATED IN THE ROOF FRAMING NOTES OF THE ROOF PLAN DRAWING.
- ALL STEEL ROOF DECK SHALL BE GALVANIZED G90 AS PER ASTM SPECIFICATIONS.
- ALL STEEL ROOF DECK SHALL BE CAPABLE OF SUPPORTING ALL CONSTRUCTION LOADS.
- ALL STEEL ROOF DECK SHALL BE CONTINUOUS OVER FOUR OR MORE STRUCTURAL SUPPORTS (I.E. DECK SHOULD BE DETAILED FOR A THREE SPAN CONDITION.)
- STEEL ROOF DECK SHALL HAVE NESTING SIDE LAPS (ATTACHED BY MECHANICAL MEANS), PROVIDE FASTENER LAYOUT AS PER TYPICAL DETAIL 5-305.
- IF DECK IS CUT IN SINGLE SPAN CONDITION, EACH END OF SUCH SECTIONS SHALL BE WELDED TO ITS SUPPORT THROUGH WELDING WASHERS IN THE BOTTOM OF EACH RIB.
- IN AREAS WHERE THE DECK IS CUT AS PER NOTE 6, THE GAUGE OF THE SINGLE SPAN DECK SHALL BE ADJUSTED UPWARDS AS REQUIRED BY THE ENGINEER TO SUPPORT THE LOADS.
- ANY ELECTRICAL WORK WEIGHING MORE THAN 5 PSF OR 50 LBS CONCENTRATED SHALL BE HUNG FROM STEEL BEAMS ONLY. FOR HANGERS, SEE SPECIFICATIONS. ALL MECHANICAL WORK AND PIPING SHALL BE HUNG FROM STEEL BEAMS. SEE STRUCTURAL STEEL NOTE 12 (OF STRUCTURAL STEEL NOTES) FOR ADDITIONAL STEEL REQUIRED BY MECHANICAL/ELECTRICAL TRADES TO SUPPORT THEIR EQUIPMENT.
- METAL DECK CONTRACTOR TO PROVIDE 18 GAGE RIDGE PLATE, VALLEY PLATE, EDGE STRIP, ETC. AS REQUIRED.
- STEEL ROOF DECK SHALL BE WELDED AT ENDS AND ALL INTERMEDIATE SUPPORTING MEMBERS WITH 5/8" DIAMETER PUDDLE WELDS OR ELONGATED WELDS OF EQUAL STRENGTH SPACED PER SPECIFICATIONS IN THE BOTTOM OF THE RIB ACROSS THE WIDTH OF THE DECK UNIT.
- CUT OUT METAL DECK WHERE BOLT PROJECTIONS INTERFERE WITH METAL DECK.
- DIRECTION OF METAL DECK SHOWN THUS  ON PLAN.

LIGHT GAUGE METAL FRAMING:

- ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. "SPECIFICATION FOR THE DESIGN OF COLD FORMED STRUCTURAL MEMBERS", 16TH EDITION, PROVIDE SIGNED AND SEALED CALCULATIONS AND DRAWINGS FOR ALL LIGHT GAUGE STRUCTURAL ELEMENTS OF THE BUILDING, INCLUDING THE EXTERIOR METAL STUDS (CURTAIN WALL), AND ALL EXTERIOR ZELUMS.
- ALL STRUCTURAL STUDS AND JOISTS 22, 20, AND 18 GAUGES SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING THE REQUIREMENTS OF ASTM C955 WITH A YIELD STRENGTH OF 33,000 PSI.
- ALL KNOCK OUT LURAL STUDS AND JOISTS 16, 14, AND 12 GAUGES SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING ASTM C955, WITH YIELD STRENGTH OF 50,000 PSI.
- ALL STRUCTURAL TRACK AND BRIDGING SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING THE REQUIREMENTS OF ASTM C955, WITH YIELD STRENGTH OF 33,000 PSI.
- WITH EACH TYPE OF METAL FRAMING REQUIRED, PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS (TRACKS), BLOCKING, LINTELS, CLIP ANGELS, SHOES, REINFORCEMENTS, FASTENERS, AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED, AS NEEDED TO PROVIDE A COMPLETE METAL FRAMING SYSTEM.
- PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A653 FOR MINIMUM G60 COATING. ATTACH SIMILAR COMPONENTS BY WELDING. ATTACH DISSIMILAR COMPONENTS BY WELDING, BOLTING OR SCREW FASTENERS, AS STANDARD WITH MANUFACTURER. ALL WELDING SHALL BE PERFORMED BY WELDER CERTIFIED AND EXPERIENCED IN LIGHT GAUGE STRUCTURAL STEEL FRAMING WORK.
- INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED OR WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. UNLESS OTHERWISE INDICATED.
- INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS.
- SET STUDS PLUMB, EXCEPT AS NEEDED FOR DIAGONAL BRACING OR REQUIRED FOR NON-PLUMB WALLS OR WARPED SURFACED AND SIMILAR REQUIREMENTS.
- WHERE STUD SYSTEM ABUTS STRUCTURAL COLUMN OR WALLS, INCLUDING MASONRY WALL, ANCHOR ENDS OF STIFFENERS TO SUPPORTING STRUCTURE.
- SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY EITHER WELDING OR SCREW FASTENERS AT BOTH INSIDE AND OUTSIDE FLANGES.

SHOP DRAWINGS:

- NO STRUCTURAL DRAWINGS SHALL BE REPRODUCED FOR USE AS SHOP DRAWINGS.
- ALL DIMENSIONAL COORDINATION SHALL BE DONE BY THE CONTRACTOR AND/OR HIS DETAILER.
- DETAILER SHALL CHECK ALL ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL ATTACHMENTS, CLIPS, OPENINGS, OR DUCT WORK AFFECTING STRUCTURAL MEMBERS. ALL ITEMS SHALL BE SHOWN ON SHOP DRAWINGS.
- ALL SHOP DRAWINGS SHALL BE SUBMITTED ELECTRONICALLY IN PDF FORMAT, DISTRIBUTION AS PER ARCHITECT INSTRUCTIONS.
- PROVIDE SUFFICIENT SPACE ON SHOP DRAWINGS NEAR TITLE BOX (ABOUT 40 SQUARE INCHES) FOR STAMPS AND ENGINEERS COMMENTS.
- THE SHOP DRAWINGS SHALL BEAR INITIALS OF DETAILER'S CHECKER AND CONTRACTOR PRIOR TO SUBMISSION.
- COMPLETED ERECTION PLANS SHALL BE SUBMITTED PRIOR TO OR IN CONJUNCTION WITH DETAIL DRAWINGS, BUT IN NO CASE SHALL DETAIL DRAWINGS BE SUBMITTED PRIOR TO ERECTION PLANS.
- DETAILER SHALL SUBMIT AN INDEX OF THE DETAIL DRAWINGS WITH EACH SHOP DRAWING SUBMITTAL.
- SHOP DRAWINGS NOT COMPLYING WITH ALL THE ABOVE ITEMS SHALL BE RETURNED FOR CORRECTIONS WITHOUT PROCESSING.
- RESUBMITTED SHOP DRAWINGS SHALL HAVE THE FOLLOWING CHANGES INCORPORATED: FIRST RESUBMISSION TO HAVE LETTER "A" ADDED TO DRAWING
  - NUMBER AND ANY CHANGES MARKED ON THE DRAWING MARKED 1 AT EACH ITEM CHANGED. ALL ITEMS TO BE NOTED IN REVISION BOX.
  - SUBSEQUENT RESUBMISSION SHALL BEAR CHANGES "B" AND 2 AND 3 ETC. AS IN 11A.
- CONTRACTOR SHALL HAVE SHOP DRAWINGS WHICH HAVE BEEN SATISFACTORILY REVIEWED BY THE ARCHITECT AND/OR ENGINEER AND CONFIRMED BY THE CONTRACTOR BEFORE PROCEEDING WITH ANY WORK.
- DETAILER SHALL USE THE SAME STRUCTURAL ELEMENT NUMBERS IN HIS DETAILS AS THOSE SHOWN ON CONTRACT DRAWINGS.
- SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOULD BE SUBMITTED TO MCE WITH A MINIMUM TIME TO BE REVIEWED OF 10 WORKING DAYS. IN CASE OF A LARGE SUBMITTAL OR MORE THAN ONE SUBMITTAL FOR THE SAME PROJECT, AN ADDITIONAL WORKING DAY IS REQUIRED FOR EVERY 5 DRAWINGS/SHEETS OVER 30 DRAWINGS/SHEETS. THE TIME INDICATED ABOVE IS FOR MCE REVIEW ONLY. CONTRACTOR MUST INCLUDE ENOUGH TIME FOR DELIVERY, ARCHITECTURAL REVIEW AND OWNERS REVIEW AND WORK THIS TIME IN THE PROJECT SCHEDULE AS NEEDED.
- THERE SHALL BE NO DEVIATION FROM THESE CONSTRUCTION DOCUMENTS. IF ANY CHANGES ARE PROPOSED BY THE CONTRACTOR OR THE PROVIDER OF THE SHOP DRAWINGS, THEY SHOULD BE CLEARLY INDICATED, SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY A FLORIDA PROFESSIONAL ENGINEER. ANY CHANGES WITHOUT PROPER DOCUMENTATION INDICATED ABOVE WILL RESULT IN SOME REVISIONS BY THE ENGINEER OF RECORD AND/OR ARCHITECT. THE COST FOR THESE REVISIONS INCLUDING ENGINEER AND ARCHITECTURAL FEES SHALL BE PAID BY THE CONTRACTOR.

STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL WORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST A.I.S.C. SPECIFICATIONS.
- STRUCTURAL STEEL SHALL CONFORM TO:

| WIDE FLANGE (WF)      | ASTM A992 (50 KSI)                                |
|-----------------------|---------------------------------------------------|
| SHAPES (L,T,C,PL)     | ASTM A36                                          |
| STRUCTURAL TUBE (HSS) | ASTM A500 (48 KSI)                                |
| STEEL PIPE (HSS)      | ASTM A500 (42 KSI)                                |
| ANCHOR BOLTS          | ASTM F1554 (36 KSI) U.N.O. IN PLANS, OR SECTIONS. |
| FRAMING BOLTS         | ASTM A325 OR A490                                 |
| SHEAR STUDS           | ASTM A108                                         |
| WELDING ELECTRODES    | E70XX                                             |
- ALL HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM SPECIFICATION A325 AND SHALL BE PROVIDED WITH HARDENED WASHERS UNDER THE TURNED ELEMENT (NUT OR BOLT HEAD).
- INSTALLATION AND TIGHTENING OF ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
- SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED. ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM. ALL CONNECTIONS SHALL CONFORM TO THE TYPICAL CONNECTION DETAILS SHOWN ON THE PLANS UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER.
- ALL FIELD CONNECTIONS SHALL BE BOLTED WITH HIGH STRENGTH BOLTS, SLIP-CRITICAL (FRICTION) TYPE EXCEPT WHERE SLOTTED HOLES ARE SPECIFIED OR WHERE MOVEMENT OF THE CONNECTED MEMBERS IS EXPECTED. IN THESE CASES PROVIDE OVERSIZED WASHER, HAND TIGHTEN BOLTS AND TACK WELD WASHER TO NUT TO VERIFY ASSEMBLY IS HELD TOGETHER.
- ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE, ANS01.1, ALL WELDING SHALL BE PERFORMED USING E70XX U.N.O. CUTS, HOLDS, COPINGS, ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN IN THE STRUCTURAL STEEL DRAWINGS AND SHALL BE MADE IN THE SHOP. HOLES SHALL BE REINFORCED AS REQUIRED BY THE ENGINEER.
- BURNING OF HOLES, CUTS, ETC. IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED, EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER.
- ALL STEEL MEMBERS EXPOSED TO WEATHER (SUCH AS BEAMS, COLUMNS, PLATES, BOLTS, LINTELS, DOOR JAMBS, ETC.) AND ALL MEMBERS IN AN EXTERIOR ENCLOSED NON-AIR-CONDITION AREA, SHALL BE HOT DIPPED GALVANIZED.
- FOR MISCELLANEOUS STEEL, SEE ARCHITECTURAL DRAWINGS.
- ANY STEEL MEMBERS REQUIRED FOR STRUCTURAL OR MECHANICAL TRADES FOR THE SUPPORT OF OTHER STRUCTURE, WHICH ARE NOT SHOWN ON ARCHITECTURAL OR STRUCTURAL DRAWINGS, SHALL BE PROVIDED BY THE TRADE REQUIRING SUCH SUPPORT.
- SEE SPECIFICATIONS FOR PAINTING OF STRUCTURAL STEEL. ALL FABRICATION AND ERECTION MARKS SHALL BE COVERED DURING FIELD TOUCH-UP PAINTING.
- ALL CONNECTIONS TO BE DOUBLE ANGLE FRAMED BEAM CONNECTION PER AISC UNLESS NOTED OTHERWISE. SHOP CONNECTIONS MAY BE WELDED OR BOLTED. WELDS ARE TO BE EQUAL IN STRENGTH TO BOLTS.
- DESIGN CONNECTIONS FOR HALF THE MAXIMUM SHEAR (V IN KIPS) LISTED IN THE TABLE 3-6 "MAXIMUM TOTAL UNIFORM LOAD" AT THE BOTTOM OF EACH PAGE IN THE "BEAM PROPERTIES" OF THE AISC 360-16" MANUAL OF STEEL CONSTRUCTION. "MINIMUM CONNECTION SHALL CONSIST OF TWO 3/4"X 1/2" BOLTS. REACTIONS SHOWN ARE BASED ON UNFACTORED LOADS. PROVIDE SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY A PROFESSIONAL ENGINEER.
- DESIGN BASE PLATE ANCHOR BOLTS FOR LATERAL MEMBERS USING FORCES INDICATED IN DRAWINGS. PROVIDE SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY A PROFESSIONAL ENGINEER.
- WHEN STEEL MEMBERS ARE WELDED TO EMBED PLATES IN CONCRETE, WELDING PROCESS SHOULD BE PERFORMED IN SUCH WAY THAT EMBED PLATE DOES NOT OVERHEAT AND EXPAND. SUCH EXPANSION WILL CRACK THE CONCRETE SURROUNDING THE EMBED PLATE AND MAY WEAKEN THE STRUCTURAL CAPACITY OF THE CONNECTION. WE RECOMMEND TO PROVIDE SEVERAL SINGLE PASSES TO BUILT UP THE WELD SIZE REQUIRE WITH COOLING OFF PERIODS TO AVOID THE EMBED PLATE EXPANSION. UNDER NO CIRCUMSTANCES PROVIDE MORE THAN 6" OF 1/4" WELD WITHOUT ALLOWING A COOLING OFF PERIOD.
- EXPOSED ENDS OF STRUCTURAL TUBES OR PIPES SHALL BE CAPPED WITH A MINIMUM 1/4" PLATE U.N.O.

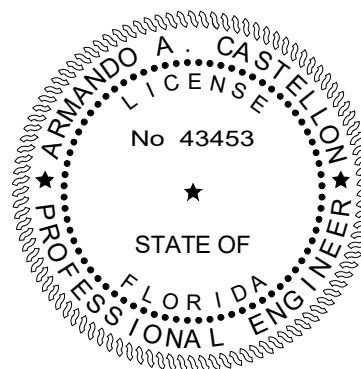
POST-INSTALLED ANCHORS

- POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. SPECIAL INSPECTIONS ARE REQUIRED PER THE PROVISIONS SET FORTH BELOW. CONTRACTOR TO COORDINATE WITH THE ENGINEER AND PROVIDE TRAINING FOR PROPER PRODUCT INSTALLATION TRAINING ON INITIAL ANCHORS.
- SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW, SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE APPROVED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.
- EXPANSION ANCHORS SHALL BE STUD TYPE WITH A SINGLE PIECE OF THREE SECTION WEDGE AND ZINC PLATED IN ACCORDANCE WITH ASTM B633. THE ANCHORS SHALL MEET FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 4, CLASS I FOR CONCRETE EXPANSION ANCHORS. ANCHORS SHALL BE HILTI KWIK BOLT 3 AS SUPPLIED BY HILTI INC. TULSA OKLAHOMA. ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH HILTI CARBIDE TIPPED DRILL BITS OR MATCHED TOLERANCE DIAMOND CORE BITS. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
- INJECTED ADHESIVE ANCHORS SHALL BE USED FOR INSTALLATION OF THREADED RODS. ADHESIVE SHALL BE FURNISHED IN A SIDE BY SIDE, REFILL PACK WHICH KEEP COMPONENT A AND B SEPARATE. INJECTION ADHESIVE SHALL BE HILTI HIT HY 200 AS SUPPLIED BY HILTI INC. TULSA OKLAHOMA. ANCHOR RODS MEET ASTM F1554 (36 KSI). NUTS AND WASHERS SHALL BE FURNISHED TO MEET THE REQUIREMENTS OF AN ASTM F1554 (36 KSI) STEEL ROD.

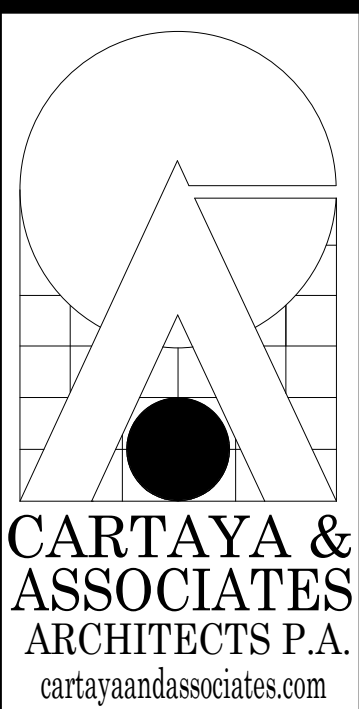
DELEGATED DESIGN

- SELECT SCOPE ITEMS IN THE PROJECT ARE CUSTOM DESIGNED AND MANUFACTURED BY THE ENGINEER. THE ENGINEER'S RESPONSIBILITY IS DELEGATED TO THE CONTRACTOR AND RELATED SUBCONTRACTORS.
- CONTRACTOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS FOR SUCH ELEMENTS DESIGNATED TO BE DESIGNED BY A DELEGATED ENGINEER.
- DELEGATED ENGINEERING WILL ADDRESS ALL LOADING REQUIREMENTS INCLUDING WIND PRESSURES IN ACCORDANCE WITH THE LATEST FLORIDA BUILDING CODE. REFER TO THE COMPONENTS AND CLADDING PRESSURES PROVIDED FOR DESIGN PRESSURES ELEMENTS SHALL BE IN CONFORMANCE WITH.
- DELEGATED ENGINEERED DRAWINGS SHALL DEFINE MATERIAL THICKNESS, SIZING, CONNECTIONS, ETC. OF THE SUBMITTED SYSTEM.
- DELEGATED ENGINEERED DRAWINGS WILL BE REVIEWED AS PART OF THE SUBMITTAL PROCESS.
- BUILDING COMPONENTS THAT ARE NOT SPECIFIED AS DELEGATED TO OTHER ENGINEERS SHALL BE SUBMITTED WITH APPROPRIATE FLORIDA PRODUCT APPROVAL INFORMATION IN THE SUBMITTAL WHERE A FLORIDA PRODUCT APPROVAL DOES NOT EXIST FOR A COMPONENT REQUIRING APPROVAL. THE DESIGN SHALL BE DELEGATED TO AN ENGINEER ON THE CONTRACTOR'S TEAM.

| Sheet Index  |                                                               |
|--------------|---------------------------------------------------------------|
| Sheet Number | Sheet Name                                                    |
| S101         | GENERAL STRUCTURAL NOTES                                      |
| S102         | WIND DESIGN DATA AND LOAD SCHEDULE                            |
| S103         | WIND DESIGN DATA AND LOAD SCHEDULE                            |
| S104         | WIND DESIGN DATA AND LOAD SCHEDULE                            |
| S105         | WIND DESIGN ELEVATIONS                                        |
| S106         | THRESHOLD INSPECTION PLAN                                     |
| S200         | OVERALL PLAN AREA                                             |
| S201A        | FOUNDATION PLAN - AREA A                                      |
| S201B        | FOUNDATION PLAN - AREA B                                      |
| S201C        | FOUNDATION PLAN - AREA C                                      |
| S202A        | SLAB ON GRADE PLAN - AREA A                                   |
| S202B        | SLAB ON GRADE PLAN - AREA B                                   |
| S202C        | SLAB ON GRADE PLAN - AREA C                                   |
| S203A        | 2ND FLOOR FRAMING PLAN - AREA A                               |
| S203B        | 2ND FLOOR FRAMING PLAN - AREA B                               |
| S203C        | 2ND FLOOR FRAMING PLAN - AREA C                               |
| S204A        | ROOF FRAMING PLAN - AREA A                                    |
| S204B        | ROOF FRAMING PLAN - AREA B                                    |
| S204C        | ROOF FRAMING PLAN - AREA C                                    |
| S205         | MISCELLANEOUS STRUCTURE - PAVILLON                            |
| S206         | MISCELLANEOUS STRUCTURE - NEW PERGOLA                         |
| S207         | MISCELLANEOUS STRUCTURE - DUGOUT                              |
| S208         | MISCELLANEOUS STRUCTURE - DUMPSTER ENCLOSURE                  |
| S209         | MISCELLANEOUS STRUCTURE - SHELTER & REST ROOMS 1              |
| S210         | MISCELLANEOUS STRUCTURE - SHELTER & REST ROOMS 1              |
| S211         | MISCELLANEOUS STRUCTURE - SHELTER & REST ROOMS 2              |
| S212         | MISCELLANEOUS STRUCTURE - STORAGE BIN & MONUMENT SIGN DETAILS |
| S301         | TYPICAL DETAILS                                               |
| S302         | TYPICAL DETAILS                                               |
| S303         | TYPICAL DETAILS                                               |
| S304         | TYPICAL DETAILS                                               |
| S305         | TYPICAL DETAILS                                               |
| S306         | TYPICAL DETAILS                                               |
| S307         | TYPICAL DETAILS                                               |
| S308         | TYPICAL DETAILS                                               |
| S401         | MAT FOUNDATION DETAILS                                        |
| S402         | SECTIONS AND DETAILS                                          |
| S403         | SECTIONS AND DETAILS                                          |
| S404         | SECTIONS AND DETAILS                                          |
| S405         | SECTIONS AND DETAILS                                          |
| S406         | SECTIONS AND DETAILS                                          |
| S407         | SECTIONS AND DETAILS                                          |
| S408         | SECTIONS AND DETAILS                                          |
| S409         | SECTIONS AND DETAILS                                          |
| S410         | SECTIONS AND DETAILS                                          |
| S501         | ELEVATION KEY PLAN                                            |
| S502         | ELEVATIONS                                                    |
| S503         | ELEVATIONS                                                    |
| S504         | ELEVATIONS                                                    |
| S505         | ELEVATIONS                                                    |
| S506         | ELEVATIONS                                                    |
| S507         | ELEVATIONS                                                    |
| S508         | ELEVATIONS                                                    |
| S509         | ELEVATIONS                                                    |
| S510         | ELEVATIONS                                                    |
| S511         | ELEVATIONS                                                    |
| S512         | ELEVATIONS                                                    |
| S520         | SHEAR WALL DETAILS AND SCHEDULE                               |
| S521         | SHEAR WALL ELEVATIONS                                         |
| S522         | SHEAR WALL ELEVATIONS                                         |
| S523         | SHEAR WALL ELEVATIONS                                         |
| S524         | SHEAR WALL ELEVATIONS                                         |
| S601         | SCHEDULES                                                     |
| S602         | SCHEDULES                                                     |
| S611         | BEAM ELEVATIONS                                               |
| S612         | BEAM ELEVATIONS                                               |
| S613         | BEAM ELEVATIONS                                               |



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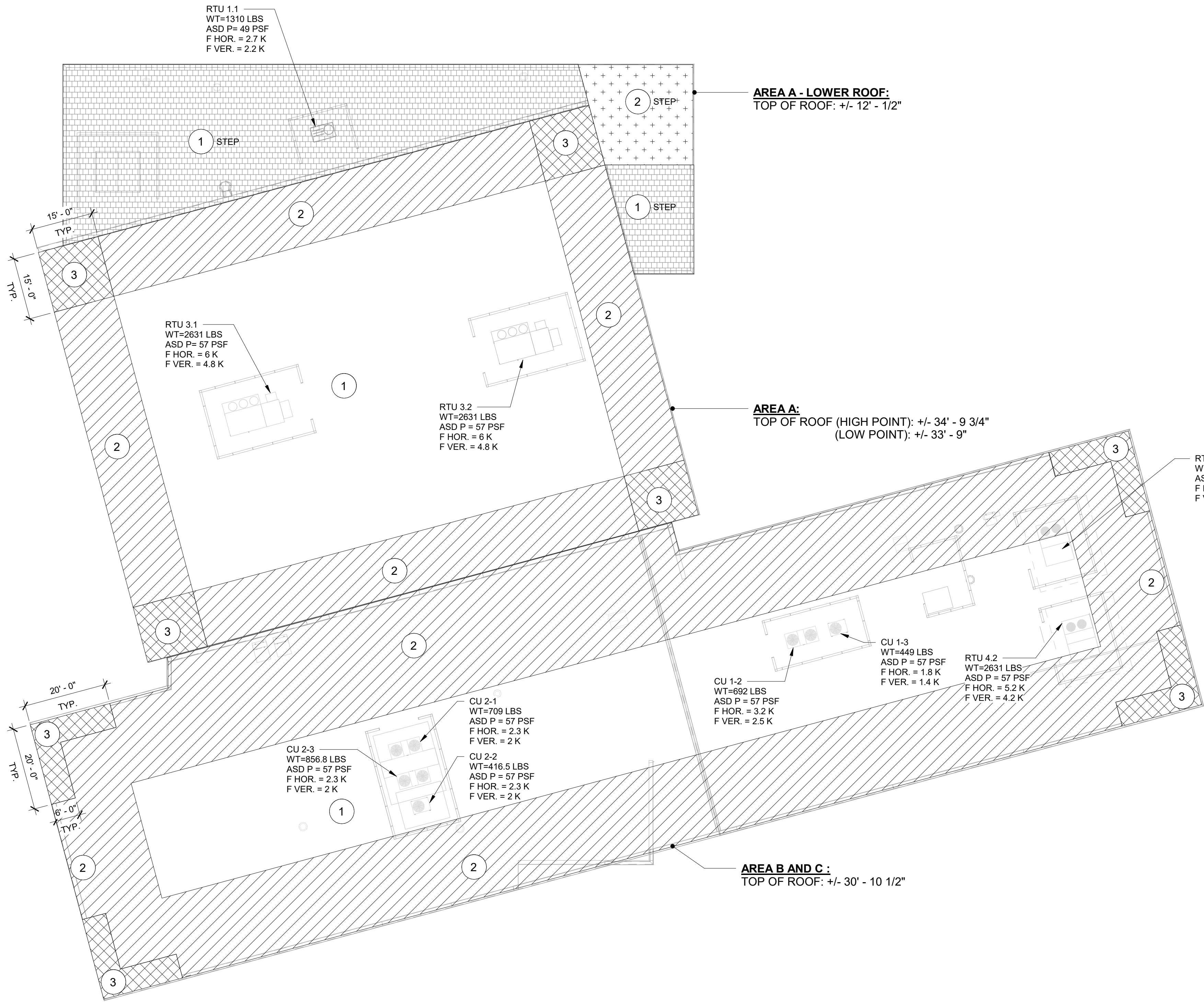
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ISSUED FOR CONSTRUCTION 11/21/2025

TITLE: GENERAL STRUCTURAL NOTES



ROOF ZONE DIAGRAM  
SCALE: 1/16" = 1'-0"

**BUILDING B & C  
LOAD SCHEDULE:**

|        |                                         |                 |
|--------|-----------------------------------------|-----------------|
| ROOF:  | DEAD LOAD                               |                 |
|        | ROOFING AND INSULATION                  | = 12 PSF        |
|        | 1 1/2" TYPE BIA RIB                     | = 3 PSF         |
|        | GALVANIZED G90 20 GAUGE                 | = 4 PSF         |
|        | MECHANICAL/HVAC                         | = 2 PSF         |
|        | SPRINKLERS                              | = 1 PSF         |
|        | ELECTRICAL                              | = 2 PSF         |
|        | PLUMBING                                | = 9 PSF         |
|        | CEILING & MISC.                         |                 |
|        | 33 PSF                                  |                 |
|        | LIVE LOAD                               | = 50 PSF        |
|        | 83 PSF                                  |                 |
|        | <b>* FOR JOIST NET UPLIFT CALCS, DL</b> | <b>= 15 PSF</b> |
| FLOOR: | DEAD LOAD                               |                 |
|        | 5" CONCRETE SLAB                        | = 62.5 PSF      |
|        | SPRINKLERS                              | = 2 PSF         |
|        | PARTITION                               | = 15 PSF        |
|        | MECH / ELECT                            | = 4 PSF         |
|        | PLUMBING                                | = 2 PSF         |
|        | CEILING & MISC.                         | = 7 PSF         |
|        | 92.5 PSF                                |                 |
|        | LIVE LOAD                               |                 |
|        | CORRIDORS                               | = 100 PSF       |
|        | STAGE FLOORS                            | = 150 PSF       |
|        | ASSEMBLY AREAS                          | = 100 PSF       |
|        | DANCE HALLS/BALLROOMS                   | = 100 PSF       |
|        | GYMNASIUMS                              | = 100 PSF       |
|        | DINNING ROOMS/RESTAURANTS               | = 100 PSF       |
|        | COMPUTER USE                            | = 100 PSF       |
|        | OFFICE USE                              | = 80 PSF        |
|        | STORAGE                                 | = 125 PSF       |
|        | KITCHEN                                 | = 100 PSF       |
|        | MECH/ELECT                              | = 150 PSF       |

**BUILDING A  
LOAD SCHEDULE:**

|        |                                                  |               |
|--------|--------------------------------------------------|---------------|
| ROOF:  | DEAD LOAD                                        |               |
|        | 1 1/2" TYPE BIA WIDE RIB                         | = 3 PSF       |
|        | GALVANIZED G90 20 GAUGE                          | = 12 PSF      |
|        | ROOFING/INSULATION/BALLAST                       | = 4 PSF       |
|        | MECHANICAL/HVAC                                  | = 1 PSF       |
|        | ELECTRICAL                                       | = 2 PSF       |
|        | PLUMBING                                         | = 2 PSF       |
|        | SPRINKLERS                                       | = 9 PSF       |
|        | CEILING & MISCELLANEOUS                          |               |
|        | 33 PSF                                           |               |
|        | <b>* FOR JOIST NET UPLIFT CALCS, DL = 15 PSF</b> | <b>33 PSF</b> |
|        | LIVE LOAD                                        | = 50 PSF      |
|        | 83 PSF                                           |               |
| FLOOR: | DEAD LOAD                                        |               |
|        | 2.0 VL 20 - 2" 20 GAUGE                          |               |
|        | COMPOSITE METAL DECK W/                          |               |
|        | 3" CONC. TOPPING                                 | = 40 PSF      |
|        | CEILING & MISC.                                  | = 7 PSF       |
|        | MECHANICAL/ HVAC                                 | = 3 PSF       |
|        | PLUMBING                                         | = 2 PSF       |
|        | SPRINKLERS                                       | = 2 PSF       |
|        | ELECTRICAL                                       | = 1 PSF       |
|        | 55 PSF                                           |               |
|        | LIVE LOAD                                        |               |
|        | GYMNASIUMS                                       | = 100 PSF     |
|        | TRACK/TERRACE                                    | = 100 PSF     |

**WIND DESIGN DATA:**

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| CODE:                          | FLORIDA BUILDING CODE, 2020 (7th Ed.) ASCE/SEI 7-16, ICC500 |
| BASIC WIND SPEED               | 210 mph (Vult)<br>168 mph (Vasd)                            |
| CATEGORY (RISK)                | IV                                                          |
| EXPOSURE                       | C                                                           |
| BUILDING HEIGHT                | 37.33ft.                                                    |
| ENCLOSURE CLASSIFICATION       | ENCLOSED                                                    |
| INTERNAL PRESSURE COEFFICIENT: | ± 0.18                                                      |

\* GLAZED OPENINGS IN RISK CATEGORY II, III, IV LOCATED IN HURRICANE PRONE REGIONS SHALL BE PROTECTED IN ACCORDANCE WITH FBC 2020 SEC. 1609.1.2

COMPONENTS AND CLADDING (ULTIMATE) UPLIFT PRESSURE SCHEDULE BUILDING A, B & C.

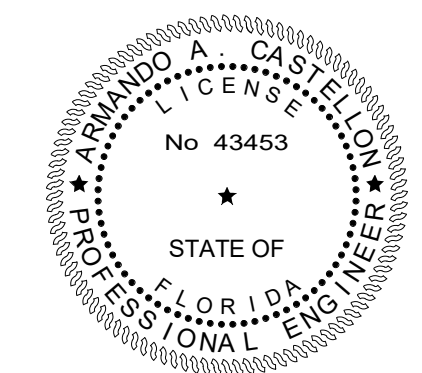
| PATTERN | ZONE   | MAIN ROOF           |                   |                  |                  |                  |                  |
|---------|--------|---------------------|-------------------|------------------|------------------|------------------|------------------|
|         |        | EFFECTIVE WIND AREA |                   |                  |                  |                  |                  |
|         |        | 10 SQ. FT.          | 20 SQ. FT.        | 50 SQ. FT.       | 100 SQ. FT.      | 200 SQ. FT.      | 500 SQ. FT.      |
|         | ①      | +47 PSF/-181 PSF    | +44 PSF/-169 PSF  | +40 PSF/-153 PSF | +37 PSF/-141 PSF | +37 PSF/-130 PSF | +37 PSF/-114 PSF |
|         | ②      | +104 PSF/-239 PSF   | +100 PSF/-223 PSF | +94 PSF/-203 PSF | +89 PSF/-188 PSF | +84 PSF/-172 PSF | +78 PSF/-152 PSF |
|         | ③      | +104 PSF/-239 PSF   | +100 PSF/-223 PSF | +94 PSF/-203 PSF | +89 PSF/-188 PSF | +84 PSF/-172 PSF | +78 PSF/-152 PSF |
|         | ① STEP | +107 PSF/-181 PSF   | +102 PSF/-169 PSF | +96 PSF/-153 PSF | +91 PSF/-141 PSF | +86 PSF/-130 PSF | +80 PSF/-114 PSF |
|         | ② STEP | +107 PSF/-239 PSF   | +102 PSF/-223 PSF | +96 PSF/-203 PSF | +91 PSF/-188 PSF | +86 PSF/-172 PSF | +80 PSF/-152 PSF |

COMPONENTS AND CLADDING  
DESIGN WIND PRESSURE (ULTIMATE) FOR WALLS, DOORS & WINDOWS

| PATTERN | ZONE | EFFECTIVE WIND AREA |                   |                  |                  |                  |                 |
|---------|------|---------------------|-------------------|------------------|------------------|------------------|-----------------|
|         |      | 10 SQ. FT.          | 20 SQ. FT.        | 50 SQ. FT.       | 100 SQ. FT.      | 200 SQ. FT.      | 500 SQ. FT.     |
|         |      | 10 SQ. FT.          | 20 SQ. FT.        | 50 SQ. FT.       | 100 SQ. FT.      | 200 SQ. FT.      | 500 SQ. FT.     |
|         | ④    | +107 PSF/-115 PSF   | +102 PSF/-111 PSF | +96 PSF/-105 PSF | +91 PSF/-100 PSF | +86 PSF/-95 PSF  | +80 PSF/-89 PSF |
|         | ⑤    | +107 PSF/-142 PSF   | +102 PSF/-133 PSF | +96 PSF/-120 PSF | +91 PSF/-111 PSF | +86 PSF/-101 PSF | +80 PSF/-89 PSF |

**NOTE:**

- ALL EXTERIOR DOORS & WINDOW ASSEMBLIES SHALL SATISFY THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (SIXTH EDITION 2017, SECTION 1709.5). ALL CONNECTIONS TO BUILDING STRUCTURE SHALL HAVE THE CAPACITY TO WITHSTAND THE PRESSURES INDICATED IN THIS SCHEDULE.
- PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
- ALL WIND PRESSURE VALUES INDICATED ARE IN POUNDS PER SQUARE FOOT (PSF). MULTIPLY ULTIMATE WIND PRESSURE BY 0.60 FOR ASD PRESSURE.



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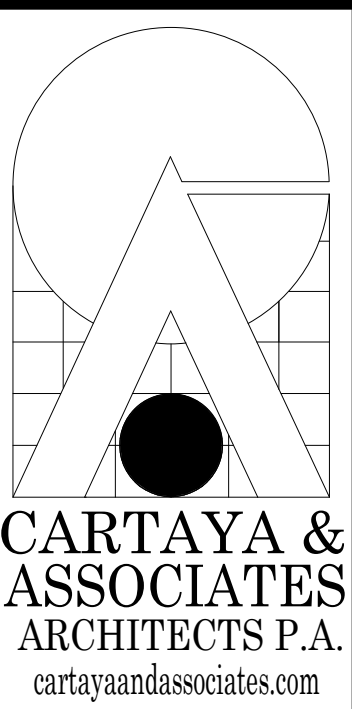
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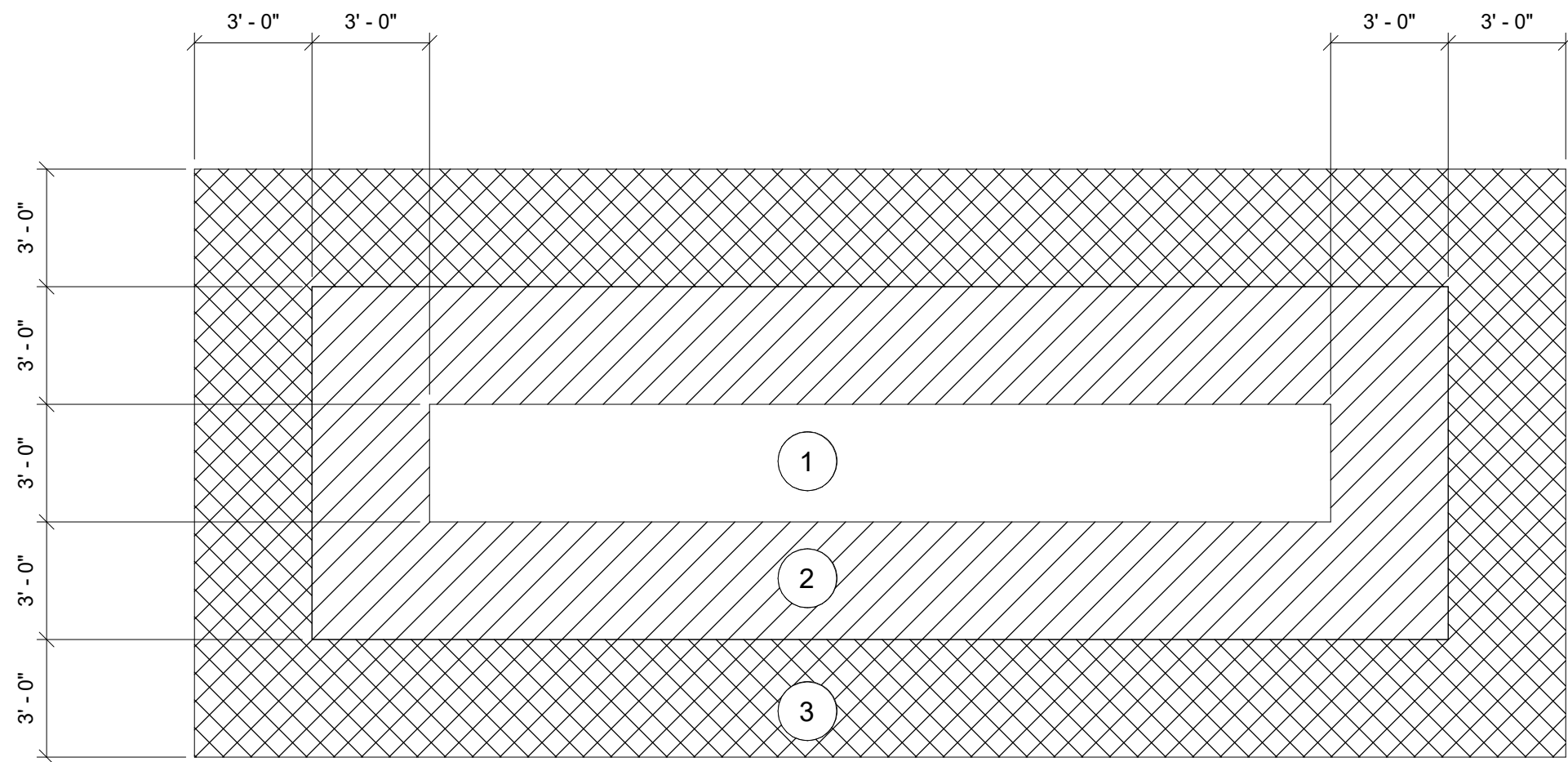
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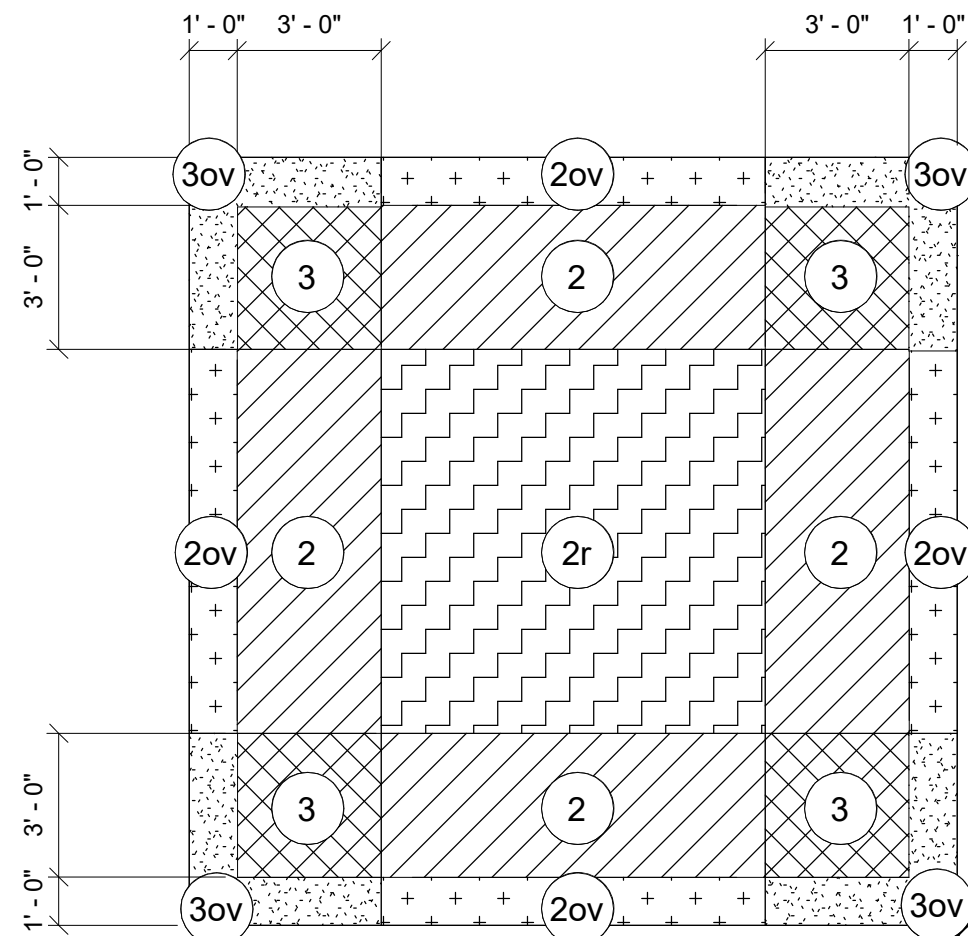
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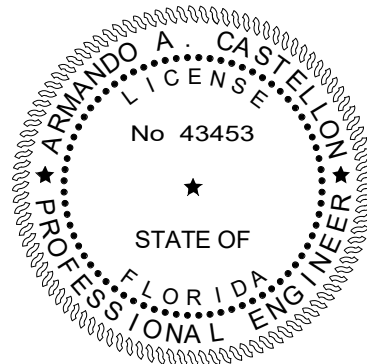
ROOF ZONE DIAGRAM - NEW PERGOLA  
SCALE: 1/4" = 1'-0"

| COMPONENTS AND CLADDING (ULTIMATE) UPLIFT PRESSURE SCHEDULE PERGOLA |      |                     |                     |                   |                   |
|---------------------------------------------------------------------|------|---------------------|---------------------|-------------------|-------------------|
| PATTERN                                                             | ZONE | MAIN ROOF           |                     |                   |                   |
|                                                                     |      | EFFECTIVE WIND AREA |                     |                   |                   |
|                                                                     |      | 10 SQ. FT.          | 20 SQ. FT.          | 50 SQ. FT.        | >100 SQ. FT.      |
|                                                                     | ①    | +92 PSF/ - 84 PSF   | +92 PSF/ - 84 PSF   | +92 PSF/ - 84 PSF | +92 PSF/ - 84 PSF |
|                                                                     | ②    | +138 PSF/ - 129 PSF | +138 PSF/ - 129 PSF | +92 PSF/ - 84 PSF | +92 PSF/ - 84 PSF |
|                                                                     | ③    | +138 PSF/ - 129 PSF | +138 PSF/ - 129 PSF | +92 PSF/ - 84 PSF | +92 PSF/ - 84 PSF |



ROOF ZONE DIAGRAM - PAVILION  
SCALE: 1/4" = 1'-0"

| COMPONENTS AND CLADDING (ULTIMATE) UPLIFT PRESSURE SCHEDULE PAVILION |      |                     |                    |                    |                    |
|----------------------------------------------------------------------|------|---------------------|--------------------|--------------------|--------------------|
| PATTERN                                                              | ZONE | MAIN ROOF           |                    |                    |                    |
|                                                                      |      | EFFECTIVE WIND AREA |                    |                    |                    |
|                                                                      |      | 10 SQ. FT.          | 20 SQ. FT.         | 50 SQ. FT.         | >100 SQ. FT.       |
|                                                                      | ①    | +72 PSF/ - 150 PSF  | +62 PSF/ - 150 PSF | +49 PSF/ - 120 PSF | +40 PSF/ - 97 PSF  |
|                                                                      | ②    | +72 PSF/ - 208 PSF  | +62 PSF/ - 188 PSF | +49 PSF/ - 162 PSF | +40 PSF/ - 142 PSF |
|                                                                      | ③    | +72 PSF/ - 208 PSF  | +62 PSF/ - 188 PSF | +49 PSF/ - 162 PSF | +40 PSF/ - 142 PSF |
|                                                                      | 2r   | +72 PSF/ - 211 PSF  | +62 PSF/ - 190 PSF | +49 PSF/ - 163 PSF | +40 PSF/ - 142 PSF |
|                                                                      | ② ov | - 249 PSF           | -237 PSF           | -221 PSF           | -210 PSF           |
|                                                                      | ③ ov | - 298 PSF           | -266 PSF           | -225 PSF           | -191 PSF           |



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2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE

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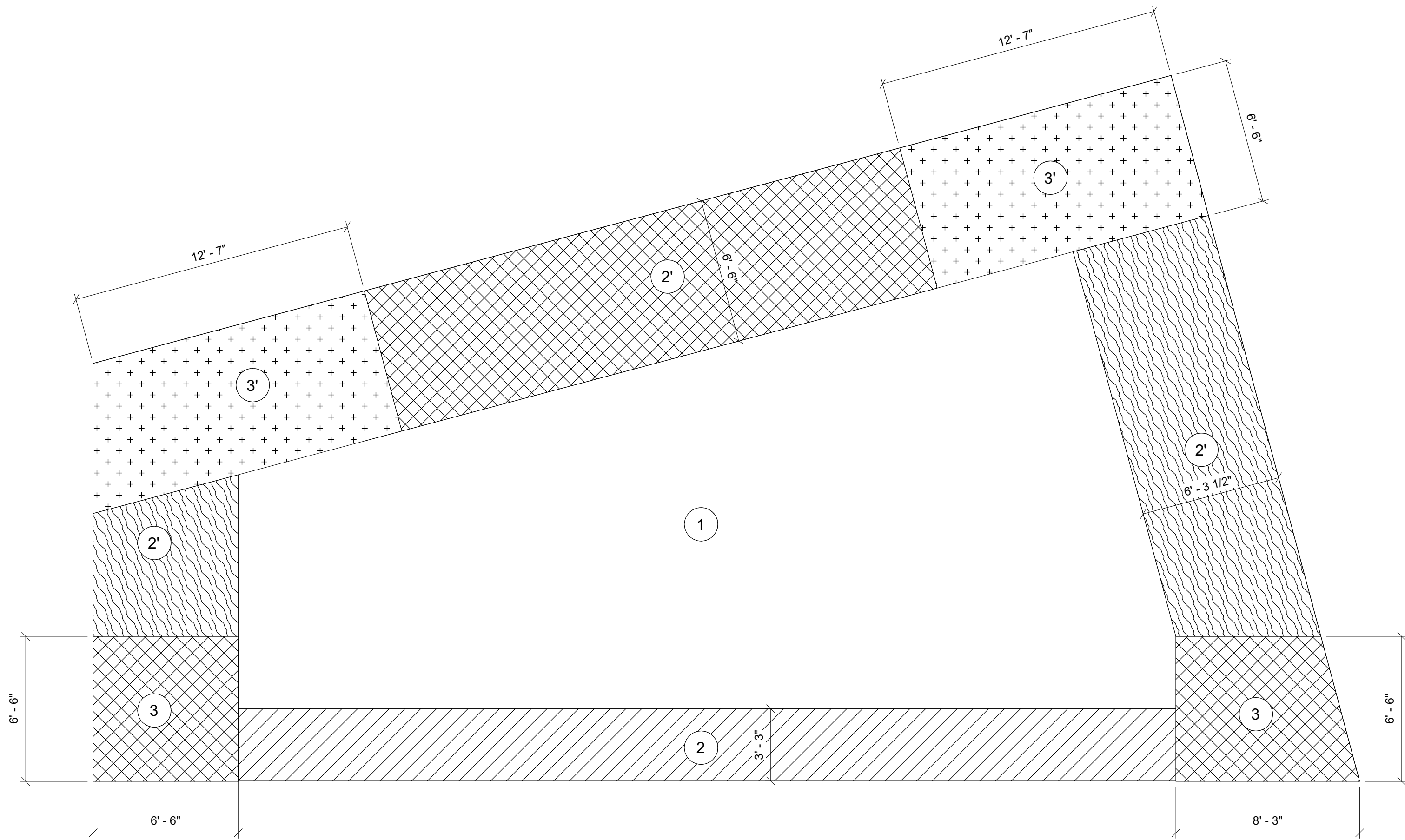
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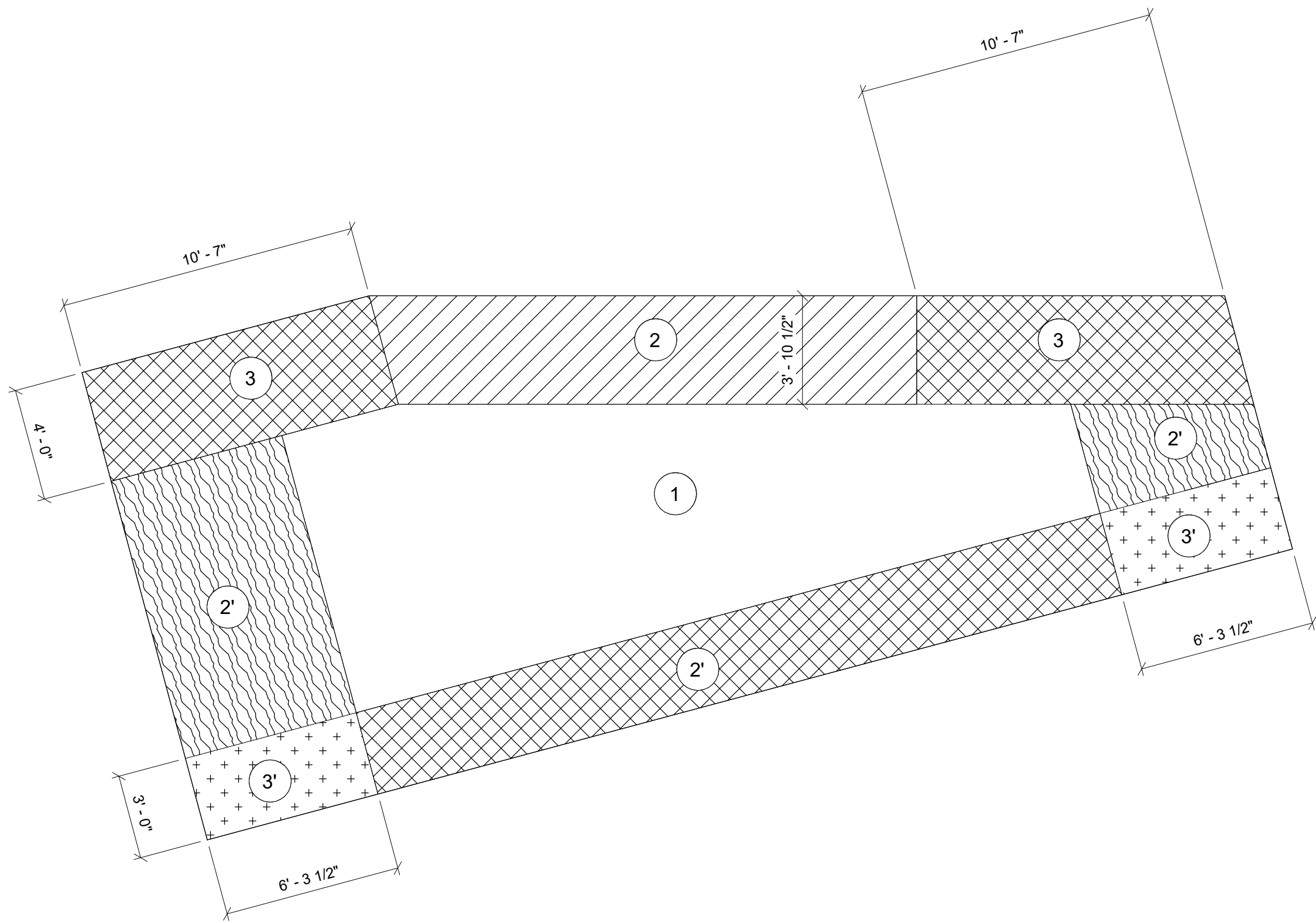
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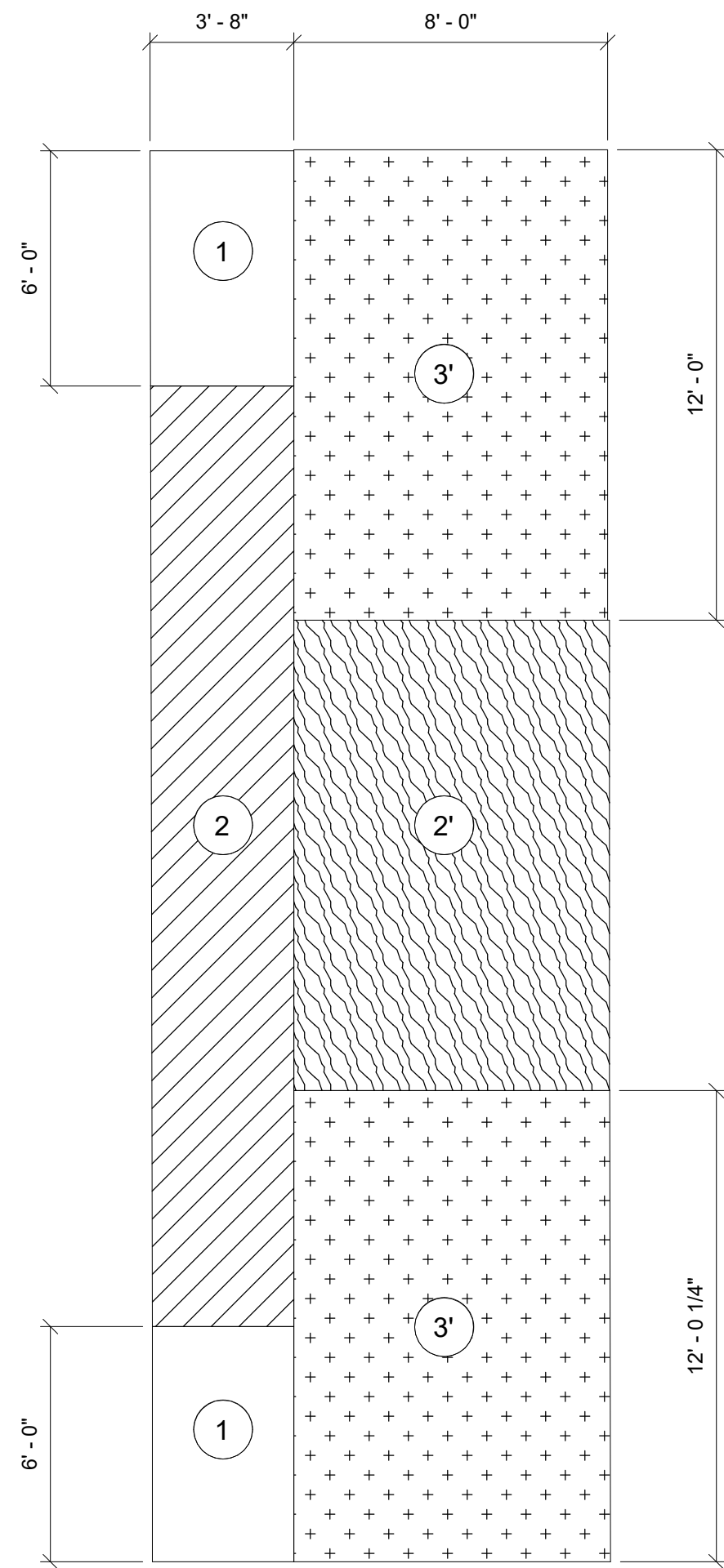
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ROOF ZONE DIAGRAM - SHELTER & RESTROOM 1  
SCALE: 1/4" = 1'-0"



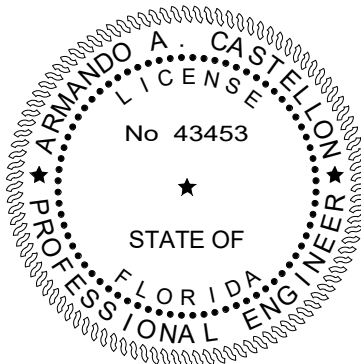
ROOF ZONE DIAGRAM - SHELTER & RESTROOM 2  
SCALE: 1/4" = 1'-0"



ROOF ZONE DIAGRAM - DUGOUT  
SCALE: 1/4" = 1'-0"

| COMPONENTS AND CLADDING (ULTIMATE) UPLIFT PRESSURE SCHEDULE<br>DUGOUT AND SHELTER & RESTROOMS |      |                     |                    |                    |                    |
|-----------------------------------------------------------------------------------------------|------|---------------------|--------------------|--------------------|--------------------|
| PATTERN                                                                                       | ZONE | MAIN ROOF           |                    |                    |                    |
|                                                                                               |      | EFFECTIVE WIND AREA |                    |                    |                    |
|                                                                                               |      | 10 SQ. FT.          | 20 SQ. FT.         | 50 SQ. FT.         | >100 SQ. FT.       |
|                                                                                               | ①    | +40 PSF/ - 105 PSF  | +37 PSF/ - 105 PSF | +34 PSF/ - 105 PSF | +31 PSF/ - 105 PSF |
|                                                                                               | ②    | +40 PSF/ - 121 PSF  | +37 PSF/ - 119 PSF | +34 PSF/ - 115 PSF | +31 PSF/ - 113 PSF |
|                                                                                               | ②'   | +40 PSF/ - 146 PSF  | +37 PSF/ - 143 PSF | +34 PSF/ - 140 PSF | +31 PSF/ - 137 PSF |
|                                                                                               | ③    | +40 PSF/ - 162 PSF  | +37 PSF/ - 147 PSF | +34 PSF/ - 128 PSF | +31 PSF/ - 113 PSF |
|                                                                                               | ③'   | +40 PSF/ - 227 PSF  | +37 PSF/ - 203 PSF | +34 PSF/ - 170 PSF | +31 PSF/ - 146 PSF |

| COMPONENTS AND CLADDING DESIGN WIND PRESSURE (ULTIMATE)<br>FOR WALLS, DOORS & WINDOWS DUGOUT AND SHELTER & RESTROOMS |      |                     |                   |                   |                   |
|----------------------------------------------------------------------------------------------------------------------|------|---------------------|-------------------|-------------------|-------------------|
| PATTERN                                                                                                              | ZONE | EFFECTIVE WIND AREA |                   |                   |                   |
|                                                                                                                      |      | 10 SQ. FT.          | 20 SQ. FT.        | 50 SQ. FT.        | >100 SQ. FT.      |
|                                                                                                                      |      |                     |                   |                   |                   |
|                                                                                                                      | ④    | +89 PSF/ - 96 PSF   | +85 PSF/ - 92 PSF | +79 PSF/ - 87 PSF | +76 PSF/ - 83 PSF |
|                                                                                                                      | ⑤    | +89 PSF/ - 118 PSF  | +85 PSF/ -110 PSF | +79 PSF/ -100 PSF | +76 PSF/ -92 PSF  |



CONFORMED SET 09/22/2025

TITLE: WIND DESIGN DATA AND  
LOAD SCHEDULE

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO:  
2122

SHEET:  
S104  
OF

PROJECT:  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST, DELRAY BEACH  
FL 33444

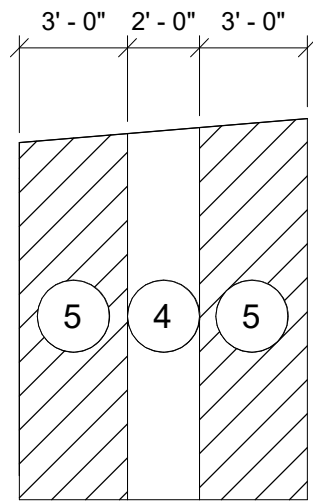
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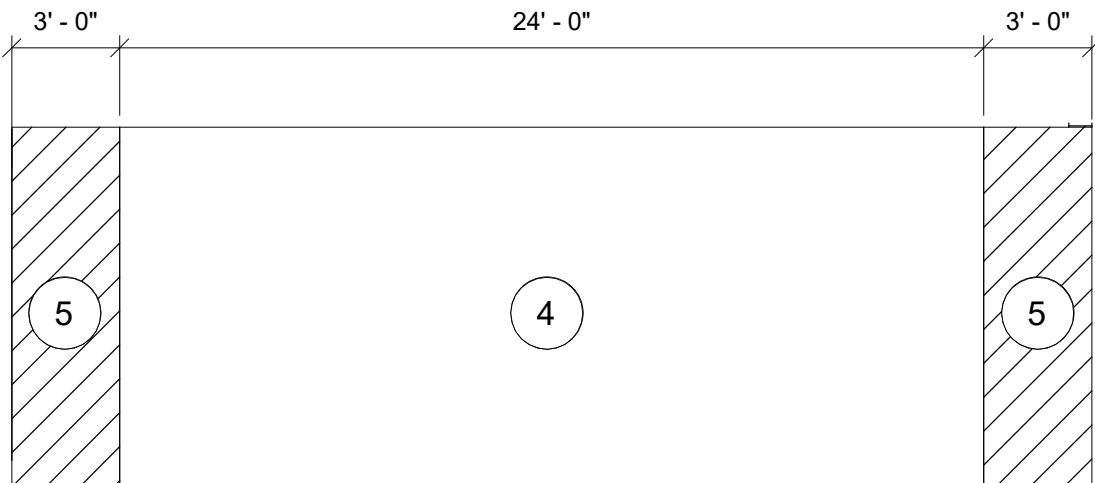
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BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND  
SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION  
2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



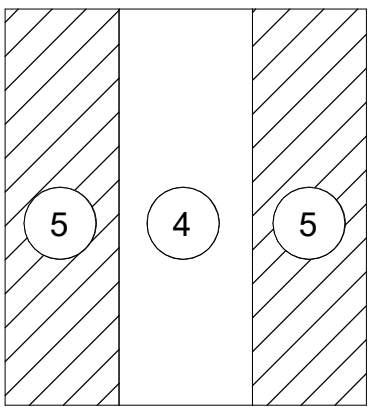
ELEVATION OF GABLE WALL



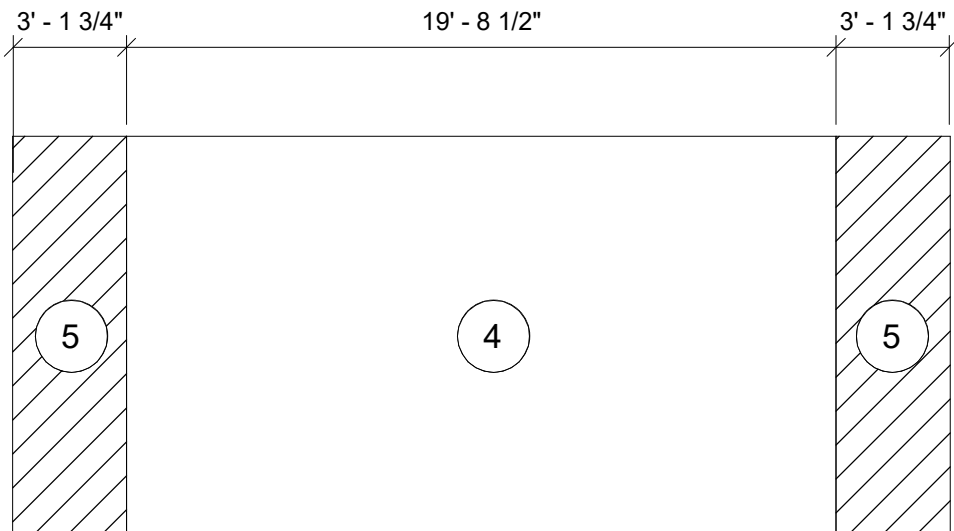
ELEVATION OF SIDE WALL

MISCELLANEOUS STRUCTURE - DUGOUT

SCALE: 3/16" = 1'-0"



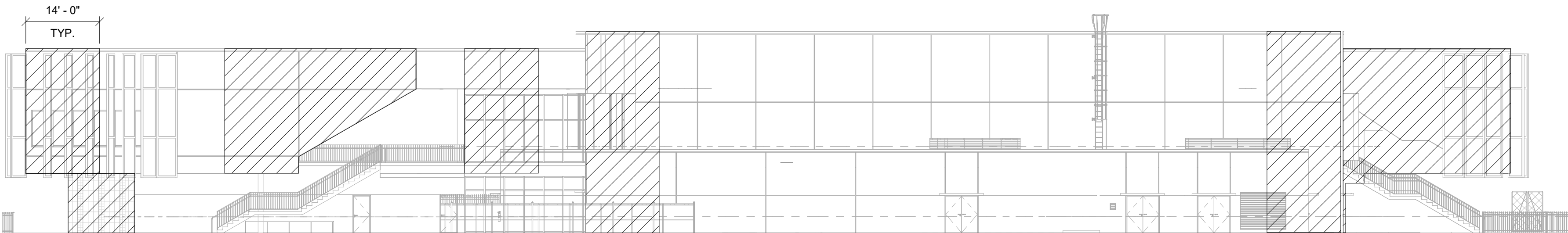
ELEVATION OF GABLE WALL



ELEVATION OF GABLE WALL

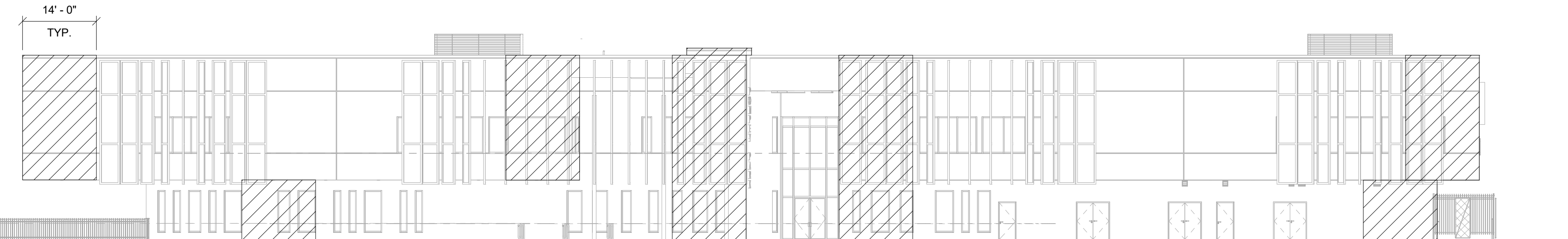
MISCELLANEOUS STRUCTURE - SHELTER & RESTROOM

SCALE: 3/16" = 1'-0"



NORTH ELEVATION WIND

SCALE: 1/16" = 1'-0"



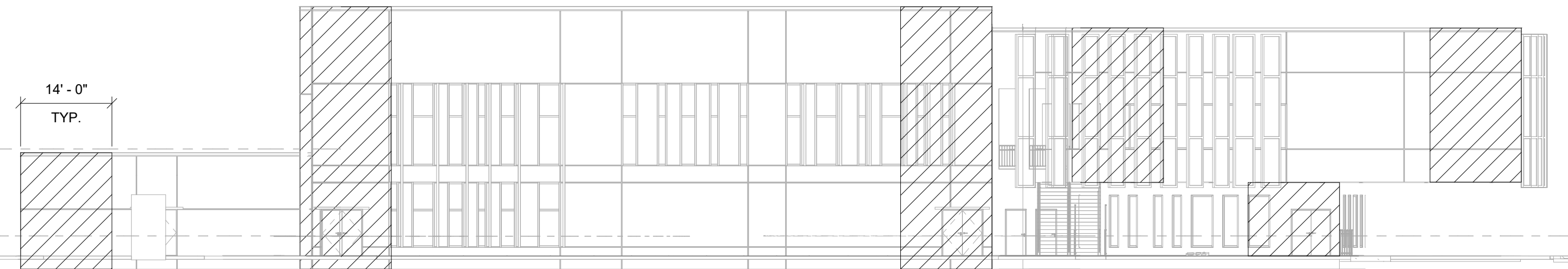
SOUTH ELEVATION WIND

SCALE: 1/16" = 1'-0"



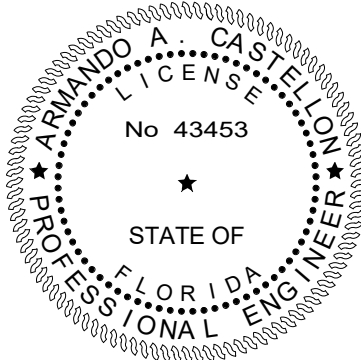
EAST ELEVATION WIND

SCALE: 1/16" = 1'-0"

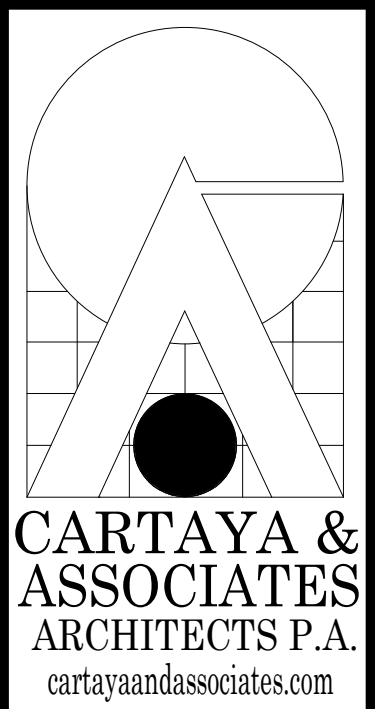


WEST ELEVATION WIND

SCALE: 1/16" = 1'-0"



TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



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CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST, DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:

TITLE: WIND DESIGN ELEVATIONS

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO: 2122

SHEET:

S105  
OF

CONFORMED SET 09/22/2025

# STRUCTURAL INSPECTION PLAN

## PART I

### 1.01 SCOPE OF WORK

THIS PLAN DESCRIBES WORK REQUIRED TO COMPLY WITH THE THRESHOLD LAW, CHAPTER 553 OF THE FLORIDA STATUTES. THE OWNER SHALL RETAIN A QUALIFIED SPECIAL INSPECTOR TO PERFORM THE WORK DESCRIBED HEREIN. PROPOSALS FOR SPECIAL INSPECTION SERVICES SHALL BE SEPARATE AND INDEPENDENT FROM ALL OTHER PROPOSALS FOR MATERIALS TESTING AND OTHER QUALITY ASSURANCE SERVICES. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE PRIMARY STRUCTURAL FRAME (ALL THOSE MEMBERS WHICH TRANSMIT LOADS TO THE GROUND) IS CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH THE PERMITTED OFFICIAL CONTRACT DOCUMENTS, EXCEPT AS VARIATIONS THERE FROM ARE PERMITTED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD. THIS PLAN MAY BE SUPPLEMENTED BY ADDITIONAL REQUIREMENTS OF THE MUNICIPALITY OR BY THE OWNER AS DEEMED NECESSARY DURING THE COURSE OF THE WORK. THIS DOES NOT INCLUDE INSPECTION OF ANY SAFETY PROVISIONS AS REQUIRED BY OSHA OR OTHER SAFETY STANDARDS WHICH APPLY DURING THE CONSTRUCTION PERIOD, TO ELEMENTS SUCH AS RAILINGS, FIRE PROTECTION, ROOFING, GLAZED WINDOW SYSTEMS, ARCHITECTURAL PRECAST PANELS, MECHANICAL/ELECTRICAL SYSTEMS, ARCHITECTURAL COMPONENTS, SITE WORK AND OTHER ELEMENTS NOT CONTRIBUTING TO THE CAPACITY OF THE PRIMARY STRUCTURAL BUILDING FRAME. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS, RECORDED ADDENDA, PROJECT SPECIFICATIONS, AMENDMENTS AND THE STRUCTURAL INSPECTION PLAN.

### 1.02 QUALIFICATIONS OF THE SPECIAL INSPECTOR

- SPECIAL INSPECTOR SHALL BE A FLORIDA REGISTERED ENGINEER EXPERIENCED IN STRUCTURAL ENGINEERING AND CERTIFIED AS REQUIRED BY CURRENT LEGISLATION. SPECIAL INSPECTOR MUST BE CURRENTLY ACTIVE IN THE DESIGN OF BUILDING STRUCTURES.
- SPECIAL INSPECTOR SHALL NOT PERFORM THE MATERIAL TESTING FOR THE PROJECT.
- THE SPECIAL INSPECTOR MAY SEND A FULL-TIME EMPLOYEE AS HIS AUTHORIZED REPRESENTATIVE TO THE PROJECT, BUT THAT PERSON SHALL BE EXPERIENCED AND KNOWN/GEABLE IN THE STRUCTURAL SYSTEM BEING USED AND THE APPROPRIATE PORTIONS OF THE GOVERNING CODES AND STANDARDS. AUTHORIZED REPRESENTATIVE SHOULD HAVE AS A MINIMUM AN ENGINEERING DEGREE FROM AN ACCREDITED COLLEGE.
- THE SPECIAL INSPECTOR SHALL HAVE A MINIMUM OF SEVEN (7) YEARS OF EXPERIENCE IN DESIGN AND INSPECTION OF SIMILAR STRUCTURES AND SHALL HAVE BEEN ENGINEER OF RECORD IN AT LEAST (4) SIMILAR STRUCTURES. THE SPECIAL INSPECTOR'S REPRESENTATIVE SHALL HAVE ENGINEERING COLLEGE DEGREE AND OBTAINED HIS "EI", SHALL HAVE DESIGN AT LEAST (1) SIMILAR STRUCTURE AND HAVE AT LEAST (3) YEARS OF EXPERIENCE IN INSPECTION OF SIMILAR STRUCTURES. RESUMES OF BOTH THE SPECIAL INSPECTOR AND SPECIAL INSPECTOR'S REPRESENTATIVE SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE, THE ENFORCING AGENCY HAVING JURISDICTION AND THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND ACCEPTANCE. AS USED HEREIN THE TERM SPECIAL INSPECTOR INCLUDES THE AUTHORIZED REPRESENTATIVE, UNLESS OTHERWISE INDICATED. IN SO FAR AS POSSIBLE, THE SPECIAL INSPECTOR SHALL NOT BE CHANGED THROUGHOUT THE DURATION OF THE PROJECT.
- THE SPECIAL INSPECTOR IS TO PROVIDE TO THE OWNER INSURANCE CERTIFICATES FOR ALL APPLICABLE COVERAGES, INCLUDING PROFESSIONAL LIABILITY, SPECIFICALLY COVERING SUCH SPECIAL INSPECTION ASSIGNMENTS; GENERAL LIABILITY; AUTOMOBILE COVERAGE; WORKMEN'S COMPENSATION AND ANY OTHER APPROPRIATE COVERAGE.

### 1.03 RESPONSIBILITIES AND LIMITATIONS OF THE SPECIAL INSPECTOR

- THE SPECIAL INSPECTOR IS RESPONSIBLE TO THE ENFORCING AGENCY HAVING JURISDICTION FOR THIS PROJECT. THE PRESENCE OF THE SPECIAL INSPECTOR DOES NOT RELIEVE THE ENFORCING AGENCY, THE ARCHITECT OR THE STRUCTURAL ENGINEER OF RECORD OF THEIR RESPONSIBILITIES.
- PRIOR TO STARTING WITH THE WORK, THE SPECIAL INSPECTOR AND THE AUTHORIZED REPRESENTATIVE SHALL BECOME FAMILIAR WITH THE SPECIFIC STRUCTURAL COMPONENTS AND SYSTEMS WHICH THE SPECIAL INSPECTOR WILL BE RESPONSIBLE FOR INSPECTING. HE IS RESPONSIBLE FOR A THOROUGH KNOWLEDGE OF THE INTENT AND CONTENT OF THE CONTRACT DOCUMENTS AND ACCEPTED SUBMITTAL RELATING TO HIS INSPECTION RESPONSIBILITIES. APPROPRIATE PORTIONS OF THE GOVERNING CODES, AND THE EXERCISE OF GOOD JUDGEMENT.
- THE SPECIAL INSPECTOR SHALL THEN PROVIDE A CERTIFIED AFFIDAVIT TO THE OWNER AND STRUCTURAL ENGINEER OF RECORD ATTESTING TO THE FOLLOWING:
  - HE HAS REVIEWED THE CONTRACT DOCUMENTS AND UNDERSTANDS THEIR CONTENT AND THE CONCEPT WITH ITS REQUIREMENTS.
  - HE HAS READ THE STRUCTURAL INSPECTION PLAN, UNDERSTANDS ITS INTENT AND INTENDS TO COMPLY WITH ITS REQUIREMENTS.
- THE SPECIAL INSPECTOR IS RESPONSIBLE FOR OBSERVING THE CONSTRUCTION OF THE PRIMARY STRUCTURAL COMPONENTS AND REPORTING TO THE CONCERNED PARTIES THAT THOSE PORTIONS OF THE STRUCTURE ARE BEING BUILT IN GENERAL CONFORMANCE WITH THE STRUCTURAL DOCUMENTS, AND IF NOT, THE LOCATION AND DESCRIPTIONS OF THOSE VARIATIONS.
- THE SPECIAL INSPECTOR IS NOT TO MAKE DESIGN DECISIONS OR INTERPRETATIONS OF THE CONTRACT DOCUMENTS.
- THE SPECIAL INSPECTOR SHALL COOPERATE WITH THE CONTRACTOR, BUT SHALL NOT DIRECT THE CONTRACTOR'S WORK NOR BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS.

### 1.04 REPORTING

- THE SPECIAL INSPECTOR SHALL MAINTAIN A RECORD OF THE PROGRESS, WORKING CONDITIONS, OBSERVATIONS, TESTING, ANY REQUIRED ACTION BY THE CONTRACTOR, AND DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. SUCH RECORDS ARE TO BE KEPT BY THE SPECIAL INSPECTOR FOR A MINIMUM OF SEVEN YEARS AFTER COMPLETION OF THE PROJECT.
- IT IS THE DUTY OF THE SPECIAL INSPECTOR TO IMMEDIATELY NOTIFY THE CONTRACTOR IN PERSON, AND THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD BY TELEPHONE, OF THE FOLLOWING:
  - THE USE OF MATERIALS, TESTS, EQUIPMENT, WORKMANSHIP OR CONSTRUCTION NOT CONFORMING TO THE OFFICIAL CONTRACT DOCUMENTS.
  - CONSTRUCTION PERFORMED WITHOUT INSPECTION AND NOT CAPABLE OF BEING INSPECTED OR TESTED IN PLACE. THESE EXCEPTIONS SHALL THEN BE ISSUED IMMEDIATELY TO THOSE LISTED ABOVE AND ATTACHED TO THE DAILY FIELD REPORTS.
- THE SPECIAL INSPECTOR SHALL KEEP AN EXCEPTION FILE FOR FOLLOW-UP. THIS FILE SHALL BE REVIEWED ON A DAILY BASIS AND UPDATED AS EXCEPTIONS ARE RECTIFIED. ANY UNCORRECTED EXCEPTIONS SHALL BE REPORTED AT AN APPROPRIATE TIME, USING A NON-COMPLIANCE NOTICE, TO THE CONTRACTOR, ENFORCING AGENCY, OWNER'S REPRESENTATIVE AND ARCHITECT/ENGINEER.
- THE SPECIAL INSPECTOR SHALL WRITE AND SIGN A REPORT EACH DAY AN INSPECTION IS MADE. THE REPORT SHALL CONSIST OF THE FOLLOWING:
  - IDENTIFY NAME AND LOCATION OF PROJECT, NAME OF SPECIAL INSPECTOR AND SPECIAL INSPECTOR REPRESENTATIVE, PERMIT NUMBER, DATE, WORKING CONDITIONS INCLUDING WEATHER AND TEMPERATURE, AND TYPE AND LOCATION OF WORK BEING PERFORMED.
  - A DETAILED REPORT OF EACH INSPECTION, INCLUDING THE PRESENCE AND ACTIVITIES OF THE TESTING AGENCY, NOTE CHANGES IN WORKING SEQUENCE OR MATERIALS AND ANY UNUSUAL CIRCUMSTANCES AFFECTING THE PERFORMANCE OF WORK. PLACE EMPHASIS ON THOSE AREAS WHERE DEFICIENCIES OCCUR.
  - REVIEW AND COMMENT ON THE MATERIALS TESTING REPORTS PRIOR TO THAT DAY'S INSPECTION.
- THE REPORT WILL BE SUPPLEMENTED WITH THE FOLLOWING, WHEN APPLICABLE:
  - SPECIAL RECORDS (WELD TESTS, WELDERS CERTIFICATES, CONCRETE TESTS, ETC.).
  - INSPECTION REPORTS OF THE SHORING AND RE-SHORING ENGINEER.
  - INSPECTION REPORTS OF THE GEOTECHNICAL ENGINEER.
  - DOCUMENTATION OF CHANGES MADE IN THE FIELD.
  - PHOTOGRAPHS.
- DAILY FIELD REPORTS SHALL BE SUBMITTED ON A WEEKLY BASIS TO THE ENFORCING AGENCY, OWNER'S REPRESENTATIVE, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD, UNDER A COVER LETTER SIGNED AND SEALED BY THE SPECIAL INSPECTOR.
- AN INSPECTION LOG SUMMARIZING ALL INSPECTIONS SHALL BE POSTED AT THE JOB SITE AND FILLED OUT EACH DAY AN INSPECTION IS MADE. IT SHALL CONTAIN, AS A MINIMUM: PROJECT NAME, LOCATION, PERMIT NUMBER, SPECIAL INSPECTOR'S NAME, OWNER, CONTRACTOR, DATE OF INSPECTION, CONSTRUCTION PHASE, WORK DESCRIPTION, COMMENTS, APPROVED OR REJECTED AND BE SIGNED BY THE SPECIAL INSPECTOR.
- UPON COMPLETION OF THE BUILDING AND PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, THE SPECIAL INSPECTOR SHALL SUBMIT TO THE ENFORCING AGENCY, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD A SIGNED AND SEALED STATEMENT STATING THAT THE PART OF THE PROJECT UNDER HIS INSPECTION RESPONSIBILITIES HAS BEEN CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 553.79(7)a OF THE FLORIDA STATUTES.
- SINCE THE SPECIAL INSPECTOR DOES NOT CERTIFY THAT THE OFFICIAL CONTRACT DOCUMENTS ARE IN COMPLIANCE WITH THE GOVERNING CODES, ALL STATEMENTS ISSUED WILL REFER TO COMPLETED WORK IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS.

### 1.05 CONTRACTOR REQUIREMENTS

- THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES AS SPECIFIED HEREIN. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES.
- THE CONTRACTOR SHALL ADVISE THE SPECIAL INSPECTOR, IN ADVANCE, OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE OBSERVATION AND INSPECTION OF ITEMS SPECIFIED HEREIN. THE MINIMUM NOTICE GIVEN THE SPECIAL INSPECTOR SHALL BE 24 HOURS PRIOR TO THE TIME OF THE INSPECTION. FURTHER, THE SCHEDULED INSPECTION TIME FOR REINFORCING STEEL SHALL BE NOT LESS THAN ONE HOUR PRIOR TO THE SCHEDULED CONCRETE PLACEMENT.
- THE CONTRACTOR SHALL FURNISH IN A TIMELY MANNER TO THE SPECIAL INSPECTOR, COPIES OF ALL REVIEWED AND ACCEPTED SUBMITTALS (EXCLUDING CALCULATIONS) FOR THE STRUCTURAL ELEMENTS OF THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR WITH OFFICE FACILITIES AT THE CONSTRUCTION SITE TO ACCOMMODATE HIS NEEDS. AS A MINIMUM, THIS OFFICE, IS TO BE EQUIPPED WITH THE FOLLOWING ITEMS: DESK, CHAIR, PLAN TABLE, PLAN RACK, FILING CABINET, TELEPHONE, UTILITIES, AIR CONDITIONING AND JANITORIAL SERVICES.
- SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLY WITH THE CONTRACT DOCUMENTS, ANY STATUTORY OR CONTRACTUAL OBLIGATIONS, NOR HIS RESPONSIBILITIES TO CARRY OUT HIS QUALITY CONTROL INSPECTIONS AND TESTING. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS AND THE COSTS OF RECTIFYING THOSE DEVIATIONS.
- WORK WHICH IS IN NON-COMPLIANCE WITH THE OFFICIAL CONTRACT DOCUMENTS MAY BE CORRECTED BY THE CONTRACTOR OR THE CONTRACTOR MAY SUBMIT TO THE ARCHITECT/ENGINEER A REQUEST FOR ACCEPTANCE OF THE DEVIATION.
- CONSTRUCTION PERFORMED WITHOUT INSPECTION AND THAT IS UNABLE TO BE INSPECTED MAY REQUIRE TESTING OR REMOVAL AS DETERMINED BY THE STRUCTURAL ENGINEER OF RECORD.
- THE SPECIAL INSPECTOR CAN NOT MAKE THE REQUIRED COMPLETION STATEMENT AND THE BUILDING WILL NOT RECEIVE A CERTIFICATE OF OCCUPANCY IF WORK IS NOT IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS, OR IF CONSTRUCTION IS PERFORMED WITHOUT INSPECTION AND IS UNABLE TO BE INSPECTED.
- INSTALLATION OF ALL SHORING AND RE-SHORING SHALL BE IN ACCORDANCE WITH THE SIGNED AND SEALED SHORING AND RE-SHORING DRAWINGS PREPARED BY THE DELEGATED SHORING ENGINEER. THE DELEGATED SHORING ENGINEER OR HIS AUTHORIZED REPRESENTATIVE SHALL INSPECT AND ENSURE THAT THE DRAWING REQUIREMENTS AND SPECIFICATIONS ARE ADHERED TO, AND PROVIDE HIS WRITTEN REPORT TO THE SPECIAL INSPECTOR PRIOR TO ALL CONCRETE POURS. THE SPECIAL INSPECTOR IS TO VERIFY THAT THE INSPECTION IS PERFORMED AND IS TO OBSERVE THAT THE WORK APPEARS TO BE IN COMPLIANCE WITH THE DRAWINGS.
- CONTRACTOR SHALL ENSURE THAT A QUALIFIED TESTING AGENCY IS RETAINED. SEE CONTRACT DOCUMENTS FOR REQUIREMENTS.
- CONTRACTOR SHALL ENSURE THAT A GEOTECHNICAL CONSULTANT IS RETAINED TO CONFIRM THAT THE SPECIFIED FOUNDATION PREPARATION IS PERFORMED.
- CONTRACTOR SHALL ARRANGE FOR ALL NECESSARY CONTRACT DOCUMENTS, INCLUDING TWO COMPLETE SETS OF ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR THE PROJECT, INCLUDING ALL DRAWINGS AND SPECIFICATIONS, THE GEOTECHNICAL REPORT AND MATERIALS TEST REPORTS, TO BE FURNISHED TO THE SPECIAL INSPECTOR DURING THE PROGRESS OF THE WORK IN A TIMELY MANNER. PROVIDE THE SPECIAL INSPECTOR WITH TWO COPIES OF ALL STRUCTURAL CHANGES, REVISIONS, ADDENDA, ETC.
- CONTRACTOR SHALL PROVIDES TO THE ENFORCING AGENCY, ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE SPECIAL INSPECTOR A SHORING AND RE-SHORING PLAN WHICH IS SIGNED AND SEALED BY A DELEGATED ENGINEER REGISTERED IN THE STATE OF FLORIDA.

## PART II

### 2.01 GENERAL

THE FOLLOWING IS A GENERAL INSPECTION PLAN DESCRIBING WORK TO BE PERFORMED BY THE SPECIAL INSPECTOR. THE INTENT IS TO DESCRIBE MINIMUM LEVELS NECESSARY TO CONFIRM THAT WORK COMPLIES WITH THE DESIGN DOCUMENTS. THE FOLLOWING ARE NOT INSPECTOR CHECK LISTS BUT POINT OUT SOME CRITICAL AREAS REQUIRING SPECIFIC ATTENTION BY THE SPECIAL INSPECTOR.

### 2.02 FOLLOWING IS A DESCRIPTION OF THE STRUCTURAL SYSTEM EMPLOYED FOR THIS PROJECT:

### 2.03 SPECIAL CONDITIONS/CRITICAL COMPONENTS

### 2.04 FOUNDATIONS

#### A. SHALLOW FOUNDATIONS:

- THE GEOTECHNICAL CONSULTANT RETAINED BY THE CONTRACTOR WILL INSPECT SHALLOW FOUNDATIONS AND ALL FOOTING AREAS TO CONFIRM THAT SPECIFIED DESIGN SOIL CAPACITIES ARE MET. THE GEOTECHNICAL CONSULTANT WILL FURNISH THE SPECIAL INSPECTOR WITH DAILY REPORTS AS WELL AS A SUMMARY REPORT, SIGNED AND SEALED BY A FLORIDA P.E., STATING THAT THE FOUNDATION PREPARATION WAS COMPLETED ACCURATELY AND COMPLETELY SO AS TO ALLOW THE FOUNDATION TO FUNCTION AS INTENDED.
- THE TESTING AGENCY RETAINED BY THE CONTRACTOR WILL MONITOR AND TEST BACKFILL AND COMPACTION OPERATIONS. THE TESTING AGENCY WILL SUBMIT A COPY OF REPORTS ON THESE OPERATIONS TO THE SPECIAL INSPECTOR, SIGNED AND SEALED BY A FLORIDA P.E..

#### B. FOOTINGS:

- REVIEW CONFIGURATION AND PLACEMENT OF REINFORCEMENT FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. OBSERVE THAT CLEARANCES ARE PROPERLY MAINTAINED.
- REVIEW DOWEL AND LAP SPICE LENGTHS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- OBSERVE CONCRETE PLACEMENT AS OUTLINED IN THE CAST-IN-PLACE CONCRETE SECTION OF THIS INSPECTION PLAN.

### 2.05 CAST-IN-PLACE CONCRETE

- THE CONTRACTOR IS TO NOTIFY THE SPECIAL INSPECTOR A MINIMUM OF 24 HOURS PRIOR TO THE PLACEMENT OF ANY STRUCTURAL CONCRETE.
- REINFORCING STEEL:
  - USING THE STRUCTURAL DRAWINGS, INSPECT GRADE, SIZE, QUANTITY, CONFIGURATION AND SPACING OF REINFORCING FOR COMPLIANCE WITH THE STRUCTURAL DRAWINGS SUPPLEMENTED WITH SHOP DRAWINGS. PRIOR TO CONCRETE PLACEMENT REPORT ANY NOTED CONFLICT AND CONFIRM THAT THE CORRECTIONS ARE MADE BEFORE CONCRETE IS POURED.
  - CHECK MINIMUM CLEARANCE REQUIREMENTS FROM CONCRETE SURFACES.
  - CHECK THAT REINFORCING IS ADEQUATELY SUPPORTED AND TIED TO RESIST DISPLACEMENT OR SHIFTING DURING POUR.
  - CHECK THAT REBAR SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY. IF OILING OF FORMS IS REQUIRED, CHECK THAT IT IS APPLIED BEFORE REINFORCING IS PLACED.
  - CHECK SPlice LOCATIONS AND REQUIRED LENGTH OF LAP. CHECK THAT THE ACCEPTED MECHANICAL COUPLERS ARE PROPERLY INSTALLED PER MANUFACTURER'S SPECIFICATIONS. REPORT ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS BEFORE CONCRETE IS CAST AND CONFIRM THAT CORRECTIONS ARE MADE.
  - CHECK INSTALLATIONS OF HOOKED BARS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- COLUMNS:

INSPECT REINFORCING STEEL, DOVETAIL SLOTS AND OTHER EMBEDDED ITEMS. CHECK TIE SPACING, ESPECIALLY DOUBLE TIES AND TIES AT DEEP BEAM INTERSECTIONS.

### D. BEAMS:

- INSPECT REINFORCING STEEL. CHECK TIE SPACING, INCLUDING LOCATION OF FIRST TIE. CHECK FOR HOOKED BOTTOM BARS. CHECK THAT HOOKED BARS EXTEND TO FAR FACE OF SUPPORT.
- ONE WAY SLABS:
- INSPECT REINFORCING STEEL, INCLUDING TEMPERATURE STEEL. CHECK THAT HOOKED BARS EXTEND TO FAR FACE OF SUPPORT.
- TWO WAY SLABS: (NOT APPLY)
- INSPECT REINFORCING STEEL. CHECK FOR PROPER LAYERING. CHECK PLACEMENT OF TOP BARS THROUGH COLUMNS STRIP FOR UNIFORM SPACING (BARS ARE NOT TO BE TO TIED TOGETHER). CHECK THAT ADDED TOP BARS ARE PLACED WITHIN THE VICINITY OF THE COLUMNS. CHECK THAT ADDED BOTTOM BARS EXTEND TO FACE OF COLUMN, UNLESS OTHERWISE SHOWN ON CONTRACT DOCUMENTS, AND THAT THEY ARE WITHIN THE COLUMN STRIP. CHECK HOOK BAR REQUIREMENTS, TOP AND BOTTOM. CHECK THAT HOOKS ARE PLACED AT FAR FACE OF SUPPORT. CHECK POSITION OF BARS AT SLAB OFFSETS AND DEPRESSIONS.
- CHECK THAT EXPANSION JOINT MATERIAL, ANCHORS AND OTHER EMBEDDED ITEMS ARE CORRECT AND HAVE BEEN POSITIONED AND SECURED IN PLACE SO THAT DISPLACEMENT IS NOT POSSIBLE.
- CHECK THAT CONDUITS PLACED IN THE SLAB ARE REASONABLY SPACED TO ENSURE INTEGRITY OF THE SLAB.
  - CONFIRM THAT LOAD CARRYING EMBEDDED ITEMS ARE PLACED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS. RELOCATION OF EMBEDDED ITEMS IN CONFLICT WITH REINFORCING WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT/ENGINEER.
- CHECK THAT CONSTRUCTION JOINTS, INCLUDING DOWELS, KEYS AND BULKHEADS, ARE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. REVIEW THE LOCATION OF CONSTRUCTION JOINTS IN BEAMS FOR COMPLIANCE WITH THE CONSTRUCTION JOINT LOCATION PLAN SUBMITTED BY THE CONTRACTOR TO THE ARCHITECT/ENGINEER.
- OPENINGS:
- REPORT ALL SLAB OPENINGS LARGER THAN 12" AND NOT SHOWN ON THE CONTRACT DOCUMENTS TO THE ARCHITECT/ENGINEER. CHECK PLACEMENT OF ADDITIONAL REINFORCEMENT AROUND OPENINGS. NO SLEEVES OR OPENINGS WILL BE PERMITTED IN BEAMS WITHOUT PRIOR APPROVAL OF THE ARCHITECT/ENGINEER.
  - CHECK THAT ALL FOREIGN MATERIAL HAS BEEN REMOVED FROM SPACES WHICH CONCRETE IS TO OCCUPY.
  - THE SPECIAL INSPECTOR SHALL BE ON SITE WHEN CONCRETE IS BEING PLACED FOR THE PRIMARY STRUCTURAL FRAME AS NECESSARY TO ASCERTAIN THAT PROPER CONCRETING PRACTICES, AS REQUIRED BY ACI 301, ASTM C94 AND OTHER RECOGNIZED INDUSTRY STANDARDS ARE FOLLOWED. OBSERVATIONS BY THE SPECIAL INSPECTOR SHALL INCLUDE, BUT NOT BE LIMITED TO VERIFICATION OF THE FOLLOWING:
    - TESTING AGENCY IS ON SITE AND THAT MIXING TIME, TEMPERATURE, SLUMP, AND AIR CONTENT ARE AS SPECIFIED. CHECK THAT ADDITION OF WATER TO THE CONCRETE MIX IN THE FIELD IS BASED ON THE GUIDELINES SET FORTH IN THE CONTRACT DOCUMENTS.
    - THE CONCRETE AS DELIVERED TO THE PROJECT SITE IS AS SPECIFIED FOR THAT PORTION IN WHICH PLACEMENT IS TO OCCUR.
    - CONCRETE IS BEING CONVEYED FROM MIXER TO PLACE OF FINAL DEPOSIT BY RECOGNIZED INDUSTRY STANDARDS. CONCRETE IS BEING DEPOSITED CONTINUOUSLY, OR IN LAYERS OF SUCH THICKNESS THAT NO CONCRETE WILL BE DEPOSITED ON CONCRETE WHICH AS HARDENED SUFFICIENTLY TO CAUSE THE FORMATION OF SEAMS OR PLANES OF WEAKNESS WITHIN THE AREA OF PLACEMENT.
    - CONCRETE IS BEING CONSOLIDATED AND THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS AND INTO CORNERS OF FORMS, ELIMINATING AIR OR STONE POCKETS WHICH MAY CAUSE HONEYCOMBING, PITTING OR PLANES OF WEAKNESS.
    - CURING PROCEDURES ARE AS PER CONTRACT DOCUMENTS, ACI 308 "STANDARD PRACTICE FOR CURING CONCRETE" AND OTHER RECOGNIZED INDUSTRY STANDARDS.
  - AFTER THE FORMWORK HAS BEEN REMOVED, INSPECT CONCRETE SURFACES FOR HONEYCOMBING AND VOIDS.

### 2.06 STRUCTURAL STEEL

- INSPECT STRUCTURAL STEEL PRIOR TO CONCEALMENT TO VERIFY GRADE, SIZES, CONNECTIONS, STRAIGHTNESS AND FINISH. CHECK WITH CONTRACT DOCUMENTS AND SHOP DRAWINGS.
- INSPECT SETTING OF ANCHOR BOLTS, EMBEDS AND OTHER MISCELLANEOUS STRUCTURAL ITEMS PRIOR TO CONCRETING. VERIFY, SIZE, QUANTITY AND FINISH.
- INSPECT CONNECTIONS FOR THE FOLLOWING:
  - BOLTED CONNECTIONS: TYPE, SIZE AND NUMBER OF BOLTS. CHECK THAT BOLTS ARE CLEAN AND LUBRICATED AND HAVE PROPER WASHERS AND THAT THEY CONFORM TO THE SPECIFICATIONS. CHECK THAT BOLT HOLES ARE THE SPECIFIED TYPE AND SIZE. VERIFY THAT BOLTS ARE PROPERLY TIGHTENED. FOR SLIP-CRITICAL BOLTS WITH LOAD INDICATOR WASHERS, CHECK ALL BOLTS VISUALLY AND 10% WITH A FEELER GAUGE. "TURN OF THE NUT" METHOD IS NOT ACCEPTABLE.
  - WELDED CONNECTIONS: VERIFY THAT WELDERS ARE AWS CERTIFIED FOR THE TYPE OF WELDS BEING MADE. VISUALLY EXAMINE ALL WELDS FOR TYPE, SIZE AND LENGTH FOR COMPLIANCE WITH THE STRUCTURAL DRAWINGS. VERIFY THAT REQUIRED NON-DESTRUCTIVE TESTING IS PERFORMED BY THE TESTING AGENCY. VERIFY THAT WELDS ARE CLEAN, FREE FROM SLAG, AND THAT RUST PROTECTION HAS BEEN APPLIED AS PER SPECIFICATIONS.
- HEADED STUD ANCHORS CHECK FOR SIZE, LENGTH, SPACING AND WELDING.
- REVIEW ERECTION OF TRUSSES FOR COMPLIANCE WITH CONTRACT DOCUMENTS AND ERECTION DRAWINGS.
- OPEN WEB STEEL JOISTS:
  - INSPECT STEEL JOISTS TO VERIFY TYPE, SIZE, SPACING, CONNECTIONS, STRAIGHTNESS AND FINISH. INSPECT FROM CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS.
  - CHECK THAT BEARING CONDITIONS CONFORM TO REQUIREMENTS OF S.J.I. AND CONTRACT DOCUMENTS
  - VERIFY THAT THE TEMPORARY BRACING AND PERMANENT CROSS-BRIDGING ARE BEING IMPLEMENTED PER REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS AND ERECTION DRAWINGS.
  - INSPECT SETTING OF SHELF ANGLES, BEARING PLATES AND MISCELLANEOUS STRUCTURAL ITEMS TO VERIFY SIZE, QUANTITY, LOCATIONS AND FINISH.
  - VISUALLY EXAMINE ALL FIELD WELDS. VERIFY THAT WELDERS ARE AWS CERTIFIED.
- STEEL DECKS CHECK FOR TYPE, SIZE AND GAGE. CHECK CONNECTION SUPPORTS. CHECK THAT WELDING WASHERS ARE USED IF DECK IS LIGHTER THAN 22 GAGE STEEL. CHECK THAT WELDING IS IN CONFORMANCE WITH CONTRACT DOCUMENTS.

### 2.07 MASONRY

THE SPECIAL INSPECTOR SHALL OBSERVE INSTALLATION TECHNIQUES OF LOAD BEARING MASONRY ONLY. THIS WILL INCLUDE WORKMANSHIP: UNITS USED INCLUDING SIZE, STRENGTH AND WEIGHT; MORTAR AND GROUT TYPE AND MIXING; PLACEMENT OF REINFORCING STEEL, INCLUDING HORIZONTAL REINFORCEMENT; INSERTS, ANCHORS; AND OTHER STRUCTURALLY RELATED ASPECTS. CHECK CLEANOUT AREAS. CHECK THAT CELLS TO BE REINFORCED ARE CLEAN AND FREE OF ALL FOREIGN MATERIAL. DURING GROUTING, CHECK THAT ALL CELLS ARE FILLED SOLID AND, AFTER COMPLETION, IF IN DOUBT, TEST WITH A HAMMER TO VERIFY THAT CELLS ARE FILLED SOLID. CHECK TIE BEAM AND THE COLUMN SPACING, SIZE AND REINFORCING.

## PART III

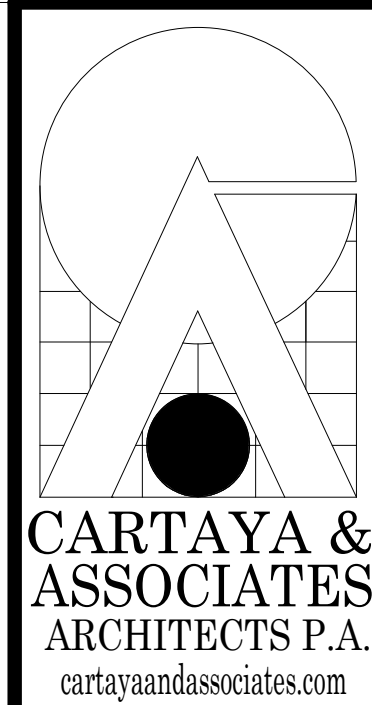
### 3.01 MATERIALS TESTING

ALL TESTING REQUIREMENTS AS DEFINED IN THE CONTRACT DOCUMENTS SHALL BE ADHERED TO WITH COPIES OF RESULTS FORWARDED TO THE SPECIAL INSPECTOR. PRIOR TO EACH INSPECTION, THE SPECIAL INSPECTOR SHALL REVIEW ALL MATERIAL TESTS AND REPORT ON THEIR RESULTS. THE SPECIAL INSPECTOR MAY REQUEST THE OWNER'S REPRESENTATIVE TO AUTHORIZE ADDITIONAL TESTS IF REQUIRED BY UNFORESEEABLE EVENTS OR CONDITIONS. ALL MATERIALS TESTING MUST BE EXECUTED BY QUALIFIED LABORATORIES AND TESTING FIRMS.

### 3.02 SUBMITTALS

#### A. GENERAL:

- CONTRACTOR MUST SUBMIT ONE COPY OF ALL STRUCTURAL SUBMITTALS (EXCLUDING CALCULATIONS) TO THE SPECIAL INSPECTOR FOR HIS RECORD AND USE. ALL SUBMITTAL SHALL BE REVIEWED AND ACCEPTED BY THE CONTRACTOR, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD, AND SHALL CONTAIN APPROPRIATE EVIDENCE OF SUCH, PRIOR TO TRANSMITTING TO THE SPECIAL INSPECTOR.
- THE SPECIAL INSPECTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL SUBMITTALS.
  - AS A MINIMUM THE FOLLOWING SHALL BE PROVIDED TO THE SPECIAL INSPECTOR:
    - SHORING AND RE-SHORING: SHORING AND RE-SHORING DRAWINGS AND FIELD REPORTS, SIGNED AND SEALED BY THE DELEGATED ENGINEER, SHALL BE FURNISHED TO THE SPECIAL INSPECTOR PRIOR TO PLACEMENT OF ANY CONCRETE OR STRUCTURAL ELEMENT WHICH IS DEPENDENT ON SUCH SHORING/RESHORING.
    - REINFORCING STEEL: FABRICATION AND PLACEMENT DRAWINGS AND BAR LISTS.
    - CONCRETE MIX DESIGNS: COPIES OF CONCRETE MIX DESIGNS FOR ALL PROPOSED STRENGTHS AND GRADES.
    - PRECAST/PRESTRESSED CONCRETE: ALL SUBMITTALS EXCEPT CALCULATIONS.
    - LOAD BEARING MASONRY: TEST REPORTS SHOWING ALL APPLICABLE DATA, INCLUDING UNIT GRADES, FOR MASONRY UNITS AND DESIGN MIXES FOR MORTAR AND GROUT.
    - STRUCTURAL STEEL: FABRICATION AND ERECTION DRAWINGS FOR ALL STRUCTURAL STEEL COMPONENTS. MILL REPORTS FOR ALL STEEL, WELDER CERTIFICATES.
    - OPEN WEB STEEL JOISTS: FABRICATION AND ERECTION DRAWINGS FOR ALL STEEL JOISTS.
    - STEEL DECKS: PIECE AND ERECTION DRAWINGS FOR ALL STEEL DECK.
    - MISCELLANEOUS METALS: FABRICATION AND ERECTION DRAWINGS FOR ALL STRUCTURAL METALS, SUCH AS EMBEDDED ANCHORS, CONNECTION PLATES, HANGERS, PRE-FABRICATED STEEL STAIRS, CATWALKS, ETC.
    - LIGHTGAGE FRAMING: LIGHTGAGE FRAMING SHOP AND ERECTION DRAWINGS.
  - ALTERNATES: ALTERNATES WHICH ARE ACCEPTED SHALL BE PROVIDED TO THE SPECIAL INSPECTOR AS THEY BECOME AVAILABLE.



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PROJ. NO. 1333-001-01

CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:  
Rev 4 RESPONSE TO  
4. 03/29/2023  
COMMENTS AND  
REVISION UPDATES

CONFORMED SET 09/22/2025  
TITLE: THRESHOLD INSPECTION  
PLAN

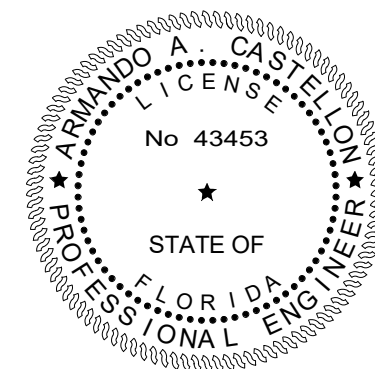
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DRAWN BY: AN/AM  
CHECKED BY: AC

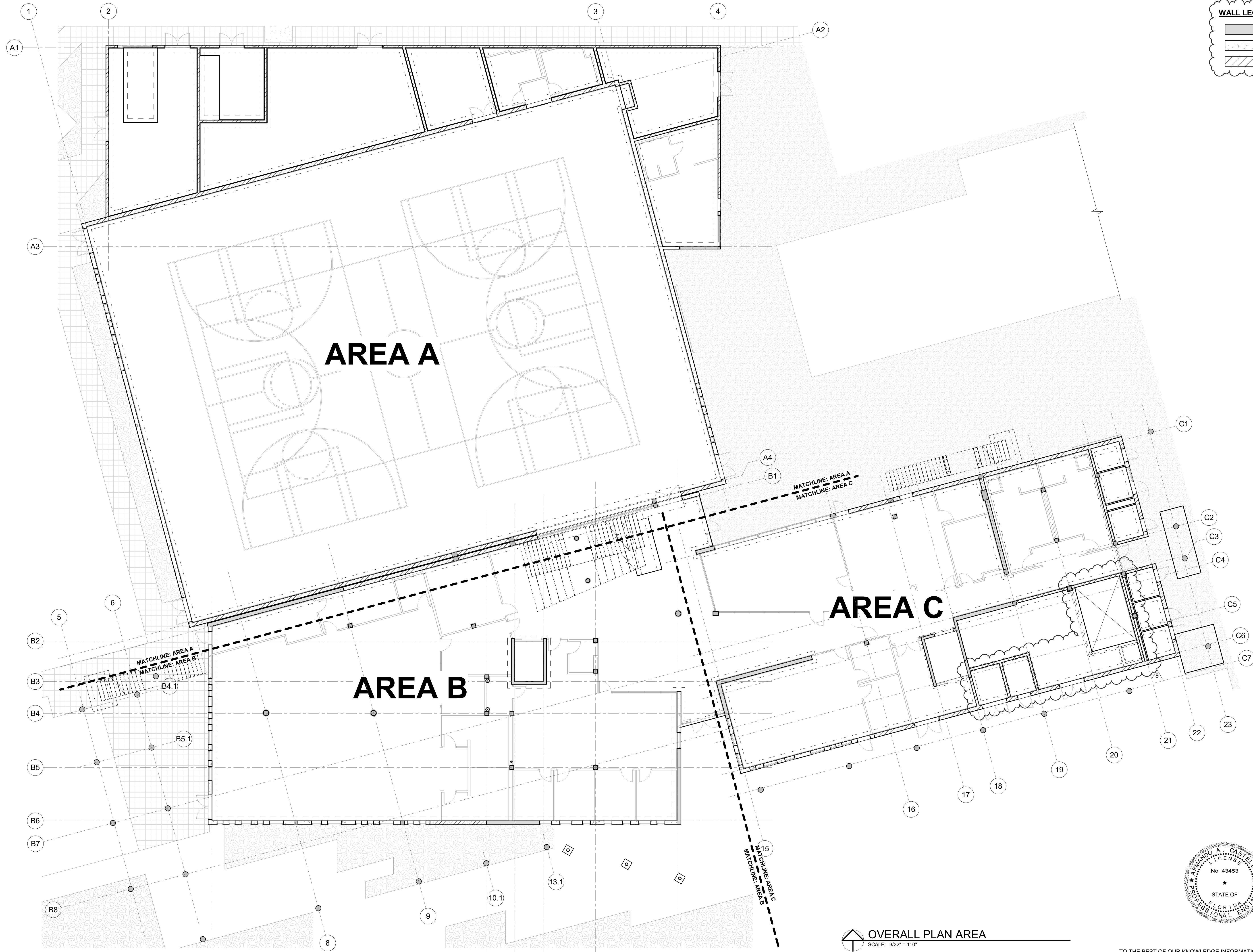
JOB NO:  
2122

SHEET:

S106  
OF

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**WALL LEGEND**

|           |           |
|-----------|-----------|
| [Pattern] | [Pattern] |
| [Pattern] | [Pattern] |

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cartayaandassociates.com

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DATE: 8/2/20 DATE: 8/2/20 PROJ. NO. 1333-001-1-1

**PROJECT:**  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

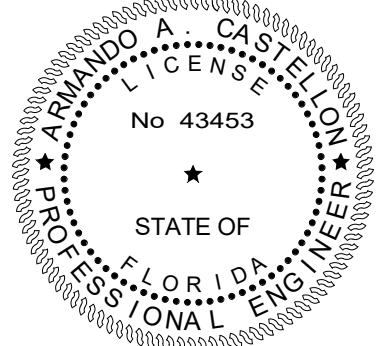
**REVISIONS:**  
# 06/22/2025 CONFORMED SET

**TITLE:**  
OVERALL PLAN AREA

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

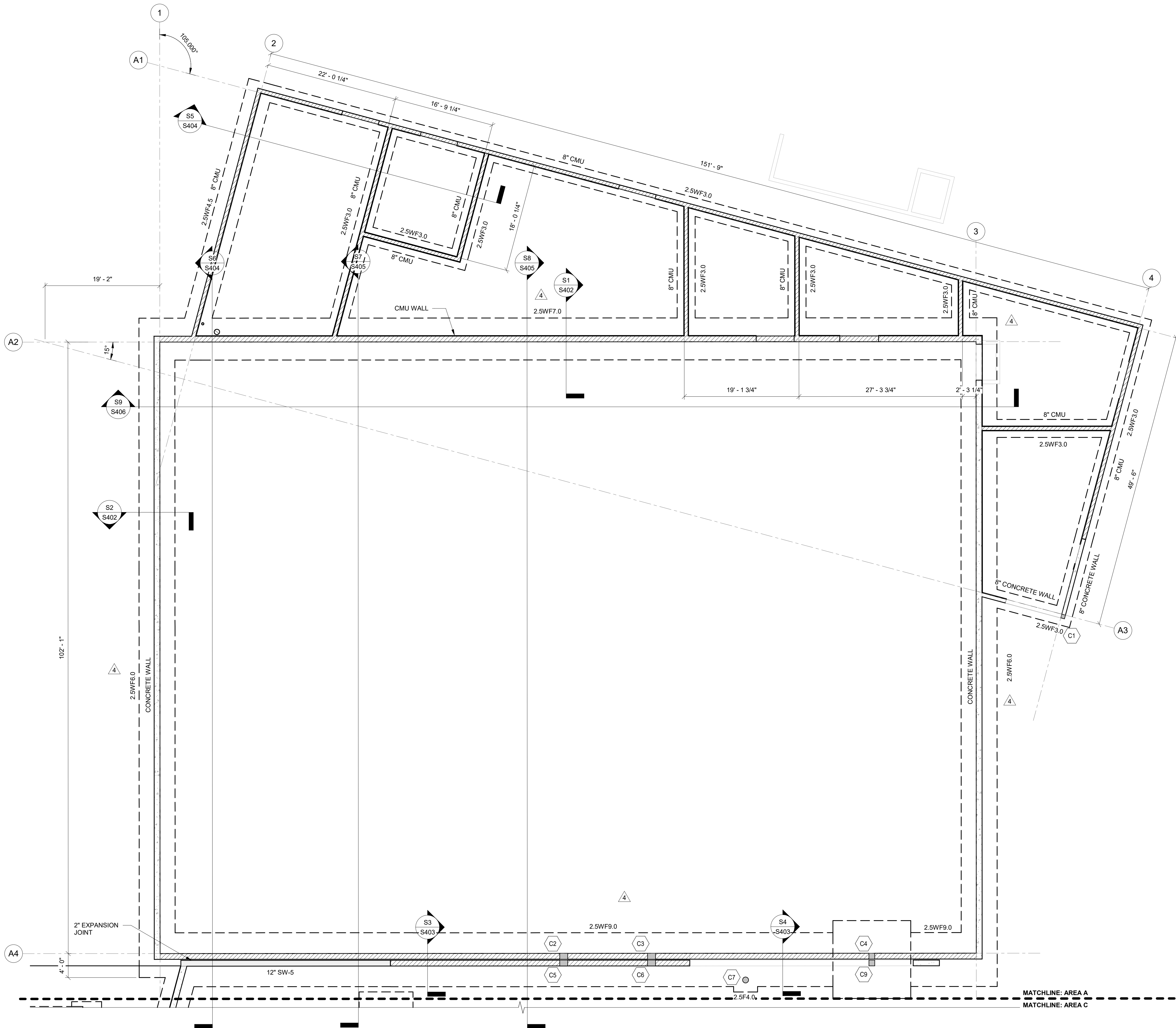
**JOB NO.:**  
2122

**SHEET:**  
S200  
OF



**OVERALL PLAN AREA**  
SCALE: 3/32" = 1'-0"

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



#### FOUNDATION PLAN NOTES:

- FOR TYPICAL DETAILS, SEE DRAWINGS S301 THROUGH S308.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
- ( ) DENOTES TOP OF FOOTING ELEVATION.  
TYPICAL U.N.O.  
ELEVATION @ INTERIOR = (-2' - 0")  
TYPICAL U.N.O.  
ELEVATION @ EXTERIOR = (-2' - 0")
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- TYPICAL WALL REINFORCING SCHEDULE:  
A. FOR CMU EXTERIOR WALL REINFORCING, SEE ELEVATIONS S502 TO S512.  
B. ■ INDICATES ADDITIONAL (1) VERTICAL IN GROUT FILLED CELL.  
C. PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.  
  
WALL OPENING      CORNER      INTERSECTION  
D. SINGLE LAYER REINFORCEMENT FOR 8" CMU WALL U.N.O. DOUBLE LAYER REINFORCEMENT FOR 12" CMU WALL U.N.O.
- COLUMN DESIGNATION SHOWN THUS ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601 & S602.  
  
T/COLUMN ELEVATION  
C1 - COLUMN TYPE  
CARRIED COLUMN
- ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON PLAN WITH DOWELS TO MATCH, U.N.O. ALL CELLS AT REINFORCING LOCATION SHALL BE FILLED WITH GROUT. PROVIDE INSPECTION/CLEANOUT HOLE AT BASE WHEN POUR HEIGHT IS GREATER THAN 4'-0".
- WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.
- < > DENOTES TOP OF PIER ELEVATION.
- FOR WALL ELEVATION AND REINFORCEMENT SEE SHEET S501 TO S512.
- SEE S401 FOR MAT FOUNDATION DETAILS.
- SEE S520 FOR SHEAR WALL DETAILS AND SCHEDULE.
- ALL WALLS SHOULD BE 12" THICK U.N.O.
- GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST LINTEL AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 ON S305.
- CONCRETE WALLS TO BE 2-LAYER BAR REINFORCED (1 BAR EACH FACE), SEE PLANS FOR BAR SIZE AND SPACING.
- PIER (P1) SHALL BE 16" X 16" REINFORCED WITH (8)-#7 VERTICAL AND #4 @ 10" O.C. TIES, PROVIDE 4 EXTRA TIES @ 2' AT TOP OF THE PIER.
- < > DENOTES TOP OF PIER ELEVATION.

#### WALL FOOTING SCHEDULE

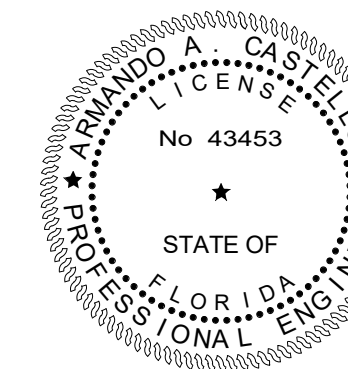
| MARK*     | WIDTH    | THICKNESS | TOP & BOT. REINF. CONT. | TOP & BOT. REINF. TRANSV. | REMARKS      |
|-----------|----------|-----------|-------------------------|---------------------------|--------------|
| 2.5WF2.0  | 2' - 0"  | 1' - 6"   | 3-#5                    | #4 @ 24"                  | STD ACI HOOK |
| 2.5WF3.0  | 3' - 0"  | 1' - 6"   | 4-#5                    | #4 @ 16"                  | STD ACI HOOK |
| 2.5WF4.0  | 4' - 0"  | 1' - 6"   | 5-#5                    | #4 @ 8"                   | STD ACI HOOK |
| 2.5WF4.5  | 4' - 5"  | 1' - 6"   | 6-#5                    | #6 @ 16"                  | STD ACI HOOK |
| 2.5WF5.0  | 5' - 0"  | 1' - 6"   | 8-#5                    | #4 @ 9"                   | STD ACI HOOK |
| 2.5WF6.0  | 6' - 0"  | 1' - 6"   | 10-#5                   | #5 @ 9"                   | STD ACI HOOK |
| 2.5WF7.0  | 7' - 0"  | 1' - 6"   | 8-#7                    | #7 @ 9"                   | STD ACI HOOK |
| 2.5WF8.0  | 8' - 0"  | 1' - 6"   | 7-#6                    | #6 @ 12"                  | STD ACI HOOK |
| 2.5WF9.0  | 9' - 0"  | 1' - 6"   | 9-#7                    | #7 @ 9"                   | STD ACI HOOK |
| 2.5WF10.0 | 10' - 0" | 1' - 6"   | 10-#7                   | #7 @ 12"                  | STD ACI HOOK |

#### COLUMN FOOTING SCHEDULE

| MARK*    | LENGTH   | WIDTH    | THICKNESS | TOP & BOT. REINF. EA. WAY U.N.O. | REMARKS      |
|----------|----------|----------|-----------|----------------------------------|--------------|
| 2.5F4.0  | 4' - 0"  | 4' - 0"  | 1' - 6"   | 5-#5                             | STD ACI HOOK |
| 2.5F5.0  | 5' - 0"  | 5' - 0"  | 1' - 6"   | 5-#7                             | STD ACI HOOK |
| 2.5F6.0  | 6' - 0"  | 6' - 0"  | 1' - 6"   | 6-#6                             | STD ACI HOOK |
| 2.5F6.5  | 6' - 6"  | 6' - 6"  | 1' - 6"   | 6-#6                             | STD ACI HOOK |
| 2.5F7.0  | 7' - 0"  | 7' - 0"  | 1' - 6"   | 7-#7                             | STD ACI HOOK |
| 2.5F7.5  | 7' - 6"  | 7' - 6"  | 1' - 6"   | 7-#6                             | STD ACI HOOK |
| 2.5F8.0  | 8' - 0"  | 8' - 0"  | 1' - 6"   | 7-#7                             | STD ACI HOOK |
| 2.5F8.5  | 8' - 6"  | 8' - 6"  | 1' - 6"   | 8-#7                             | STD ACI HOOK |
| 2.5F9.0  | 9' - 0"  | 9' - 0"  | 1' - 8"   | 9-#7                             | STD ACI HOOK |
| 2.5F10.0 | 10' - 0" | 10' - 0" | 1' - 10"  | 9-#7                             | STD ACI HOOK |
| 2.5F11.0 | 11' - 0" | 11' - 0" | 1' - 5"   | 4-#5                             | STD ACI HOOK |
| 2.5F11.5 | 11' - 6" | 11' - 6" | 2' - 0"   | 12-#7                            | STD ACI HOOK |
| 2.5F12.0 | 12' - 0" | 12' - 0" | 2' - 2"   | 11-#8                            | STD ACI HOOK |
| 2.5F13.0 | 13' - 0" | 13' - 0" | 2' - 2"   | 14-#8                            | STD ACI HOOK |

AREA A

KEY PLAN - AREA A



FOUNDATION PLAN - AREA A

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

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE

CONFORMED SET 09/22/2025

TITLE: FOUNDATION PLAN - AREA A

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO: 2122

SHEET:

S201A  
OF

PROJECT:

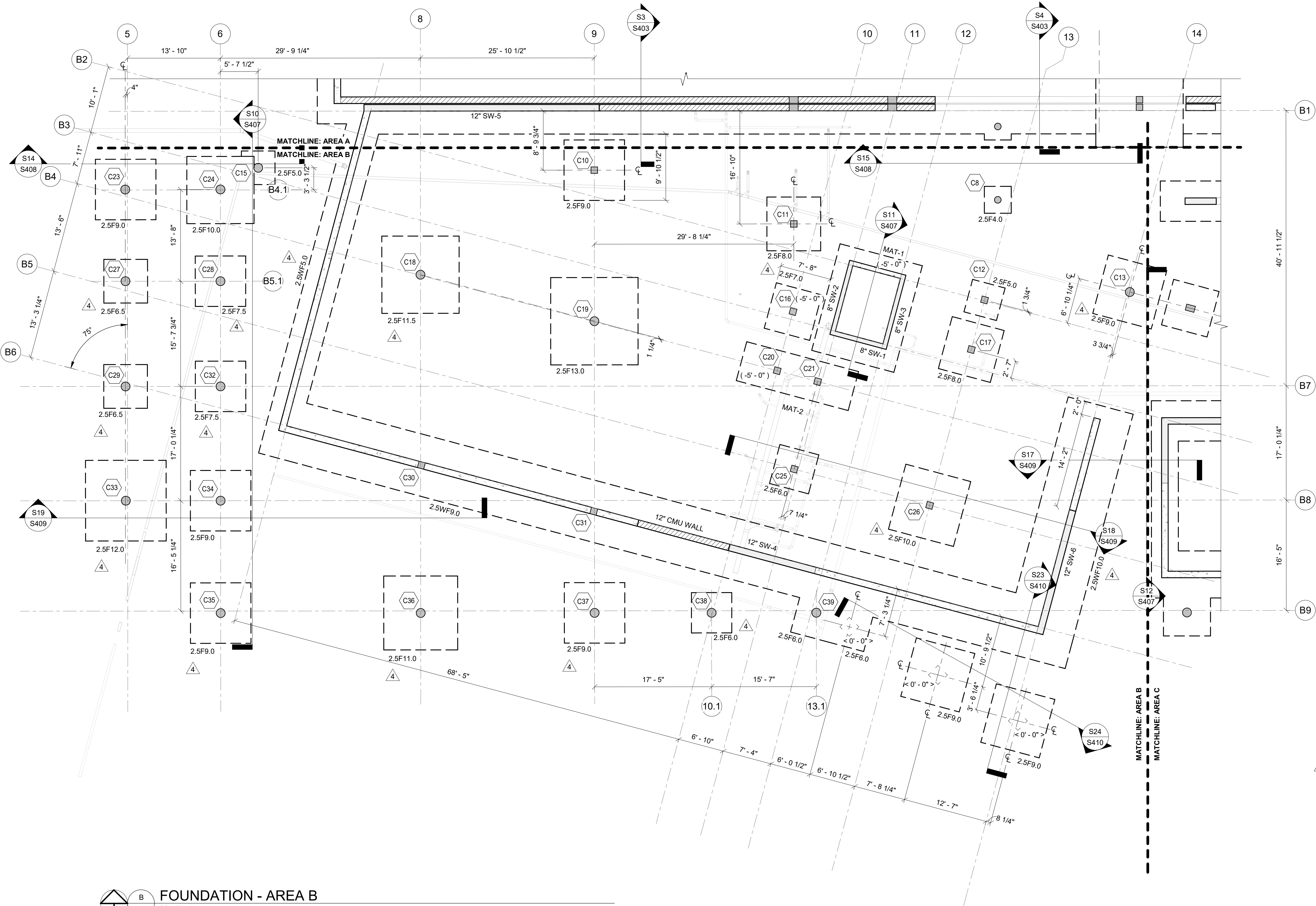
REVISIONS:

Rev 4 RESPONSE TO  
4. 03/20/2023  
COMMENTS AND  
REVISION UPDATES

CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
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DATE: 8/2/20 PROJ. NO. 1333-001-1-1

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954-771-2724

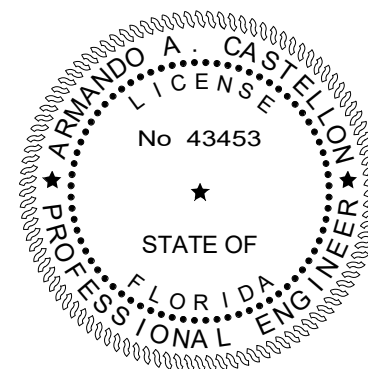


FOUNDATION - AREA B

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

AREA B

KEY PLAN -AREA B



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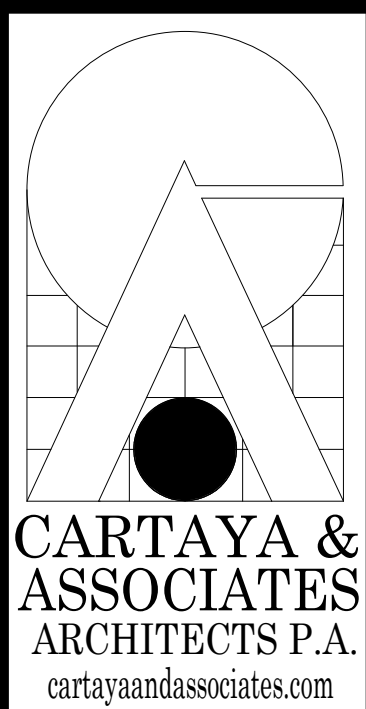
FOUNDATION PLAN NOTES:

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- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
- ( ) DENOTES TOP OF FOOTING ELEVATION.
- TOP OF FOOTING: ELEVATION @ INTERIOR = (-2' - 0") TYPICAL U.N.O. ELEVATION @ EXTERIOR = (-2' - 0") TYPICAL U.N.O.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
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  - FOR CMU EXTERIOR WALL REINFORCING, SEE ELEVATIONS S502 TO S512.
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  - PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.
  - SINGLE LAYER REINFORCEMENT FOR 8" CMU WALL U.N.O. DOUBLE LAYER REINFORCEMENT FOR 12" CMU WALL U.N.O.
- COLUMN DESIGNATION SHOWN THUS ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601 & S602.

T/COLUMN ELEVATION  
COLUMN TYPE  
CARRIED COLUMN
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- < > DENOTES TOP OF PIER ELEVATION.
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- SEE S401 FOR MAT FOUNDATION DETAILS.
- SEE S520 FOR SHEAR WALL DETAILS AND SCHEDULE.
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- GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST LINTEL AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 ON S305.
- CONCRETE WALLS TO BE 2-LAYER BAR REINFORCED (1 BAR EACH FACE). SEE PLANS FOR BAR SIZE AND SPACING.
- PIER (P) SHALL BE 16" X 16" REINFORCED WITH (8)-#7 VERTICAL AND #4 @ 10" O.C. TIES. PROVIDE 4 EXTRA TIES @ 2' AT TOP OF THE PIER.
- < > DENOTES TOP OF PIER ELEVATION.

| WALL FOOTING SCHEDULE |          |           |                          |                            |              |
|-----------------------|----------|-----------|--------------------------|----------------------------|--------------|
| MARK*                 | WIDTH    | THICKNESS | TOP & BOTT. REINF. CONT. | TOP & BOTT. REINF. TRANSV. | REMARKS      |
| 2.5WF2.0              | 2' - 0"  | 1' - 6"   | 3-#5                     | #4 @ 24"                   | STD ACI HOOK |
| 2.5WF3.0              | 3' - 0"  | 1' - 6"   | 4-#5                     | #4 @ 16"                   | STD ACI HOOK |
| 2.5WF4.0              | 4' - 0"  | 1' - 6"   | 5-#5                     | #4 @ 8"                    | STD ACI HOOK |
| 2.5WF4.5              | 4' - 5"  | 1' - 6"   | 6-#5                     | #4 @ 16"                   | STD ACI HOOK |
| 2.5WF5.0              | 5' - 0"  | 1' - 6"   | 8-#5                     | #4 @ 9"                    | STD ACI HOOK |
| 2.5WF6.0              | 6' - 0"  | 1' - 6"   | 10-#5                    | #5 @ 9"                    | STD ACI HOOK |
| 2.5WF7.0              | 7' - 0"  | 1' - 6"   | 8-#7                     | #7 @ 9"                    | STD ACI HOOK |
| 2.5WF8.0              | 8' - 0"  | 1' - 6"   | 7-#6                     | #6 @ 12"                   | STD ACI HOOK |
| 2.5WF9.0              | 9' - 0"  | 1' - 6"   | 9-#7                     | #7 @ 9"                    | STD ACI HOOK |
| 2.5WF10.0             | 10' - 0" | 1' - 6"   | 10-#7                    | #7 @ 12"                   | STD ACI HOOK |

| COLUMN FOOTING SCHEDULE |          |          |           |                                   |              |
|-------------------------|----------|----------|-----------|-----------------------------------|--------------|
| MARK*                   | LENGTH   | WIDTH    | THICKNESS | TOP & BOTT. REINF. EA. WAY U.N.O. | REMARKS      |
| 2.5F4.0                 | 4' - 0"  | 4' - 0"  | 1' - 6"   | 5-#5                              | STD ACI HOOK |
| 2.5F5.0                 | 5' - 0"  | 5' - 0"  | 1' - 6"   | 5-#7                              | STD ACI HOOK |
| 2.5F6.0                 | 6' - 0"  | 6' - 0"  | 1' - 6"   | 6-#6                              | STD ACI HOOK |
| 2.5F6.5                 | 6' - 6"  | 6' - 6"  | 1' - 6"   | 6-#6                              | STD ACI HOOK |
| 2.5F7.0                 | 7' - 0"  | 7' - 0"  | 1' - 6"   | 7-#7                              | STD ACI HOOK |
| 2.5F7.5                 | 7' - 6"  | 7' - 6"  | 1' - 6"   | 7-#6                              | STD ACI HOOK |
| 2.5F8.0                 | 8' - 0"  | 8' - 0"  | 1' - 6"   | 7-#7                              | STD ACI HOOK |
| 2.5F8.5                 | 8' - 6"  | 8' - 6"  | 1' - 6"   | 8-#7                              | STD ACI HOOK |
| 2.5F9.0                 | 9' - 0"  | 9' - 0"  | 1' - 8"   | 9-#7                              | STD ACI HOOK |
| 2.5F10.0                | 10' - 0" | 10' - 0" | 1' - 10"  | 9-#7                              | STD ACI HOOK |
| 2.5F11.0                | 11' - 0" | 11' - 0" | 1' - 5"   | 4-#5                              | STD ACI HOOK |
| 2.5F11.5                | 11' - 6" | 11' - 6" | 2' - 0"   | 12-#7                             | STD ACI HOOK |
| 2.5F12.0                | 12' - 0" | 12' - 0" | 2' - 2"   | 11-#8                             | STD ACI HOOK |
| 2.5F13.0                | 13' - 0" | 13' - 0" | 2' - 2"   | 14-#8                             | STD ACI HOOK |



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CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:  
Rev 4 RESPONSE TO  
4. 03/20/2023  
COMMENTS AND  
REVISION UPDATES

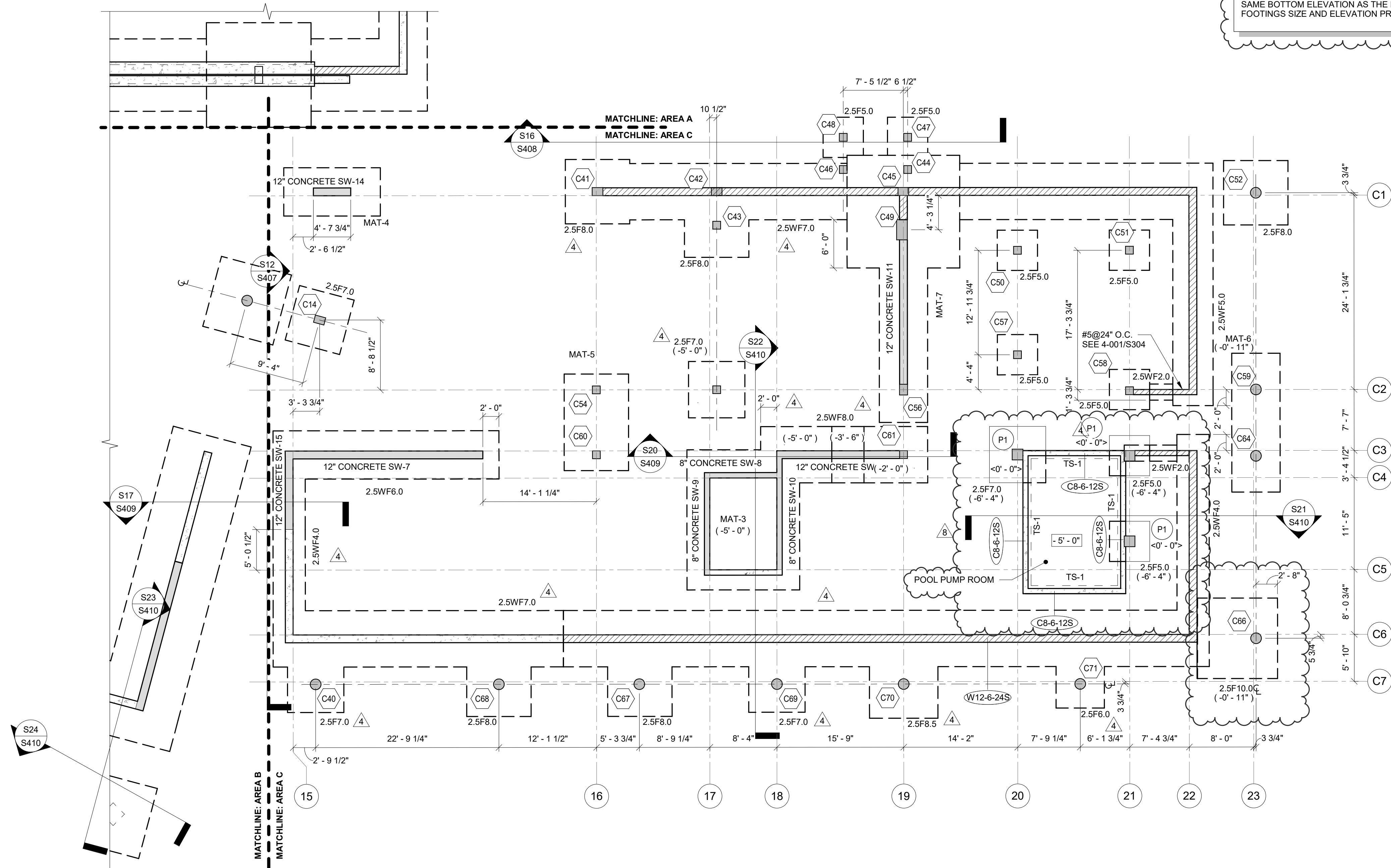
TITLE: FOUNDATION PLAN - AREA B

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO: 2122

SHEET: S201B  
OF

CONFORMED SET 09/22/2025



NOTE:

FOUNDATION NEXT TO THE EXISTING BUILDING SHOULD BE PLACED AT THE SAME BOTTOM ELEVATION AS THE EXISTING. FIELD VERIFY EXISTING FOOTINGS SIZE AND ELEVATION PRIOR CONSTRUCTION.

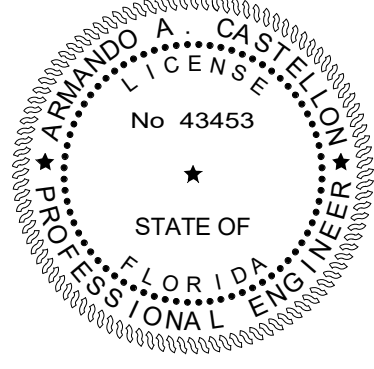
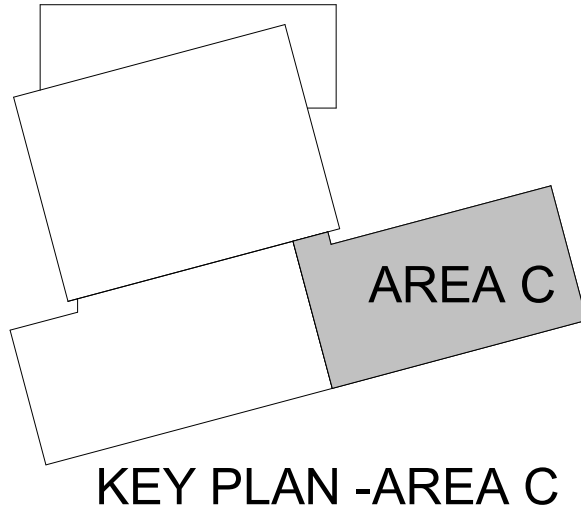
FOUNDATION PLAN NOTES:

- FOR GENERAL DETAILS, SEE DRAWINGS S301 THROUGH S308.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
- ( ) DENOTES TOP OF FOOTING ELEVATION @ INTERIOR = (-2' - 0") TYPICAL U.N.O. ELEVATION @ EXTERIOR = (-2' - 0") TYPICAL U.N.O.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- TYPICAL WALL REINFORCING SCHEDULE:
  - FOR CMU EXTERIOR WALL REINFORCING, SEE ELEVATIONS S502 TO S512.
  - INDICATES ADDITIONAL (1) VERTICAL IN GROUT FILLED CELL.
  - PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.
  - SINGLE LAYER REINFORCEMENT FOR 8" CMU WALL U.N.O. DOUBLE LAYER REINFORCEMENT FOR 12" CMU WALL U.N.O.
- COLUMN DESIGNATION SHOWN THUS ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601 & S602.

T/COLUMN ELEVATION  
COLUMN TYPE  
CARRIED COLUMN
- ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON PLAN WITH DOWELS TO MATCH, U.N.O. ALL CELLS AT REINFORCING LOCATION SHALL BE FILLED WITH GROUT. PROVIDE INSPECTION/CLEANOUT HOLE AT BASE WHEN POUR HEIGHT IS GREATER THAN 4'-0".
- WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.
- < > DENOTES TOP OF PIER ELEVATION.
- FOR WALL ELEVATION AND REINFORCEMENT SEE SHEET S501 TO S512.
- SEE S401 FOR MAT FOUNDATION DETAILS.
- SEE S520 FOR SHEAR WALL DETAILS AND SCHEDULE.
- ALL WALLS SHOULD BE 12" THICK U.N.O.
- GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST Lintel AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 ON S305.
- CONCRETE WALLS TO BE 2-LAYER BAR REINFORCED (1 BAR EACH FACE). SEE PLANS FOR BAR SIZE AND SPACING.
- PIER (P1) SHALL BE 16" X 16" REINFORCED WITH (8) #7 VERTICAL AND #4 @ 10" O.C. TIES. PROVIDE 4 EXTRA TIES @ 2" AT TOP OF THE PIER.
- < > DENOTES TOP OF PIER ELEVATION.

| WALL FOOTING SCHEDULE |          |           |                          |                            |              |
|-----------------------|----------|-----------|--------------------------|----------------------------|--------------|
| MARK*                 | WIDTH    | THICKNESS | TOP & BOTT. REINF. CONT. | TOP & BOTT. REINF. TRANSV. | REMARKS      |
| 2.5WF2.0              | 2' - 0"  | 1' - 6"   | 3-#5                     | #4 @ 24"                   | STD ACI HOOK |
| 2.5WF3.0              | 3' - 0"  | 1' - 6"   | 4-#5                     | #4 @ 16"                   | STD ACI HOOK |
| 2.5WF4.0              | 4' - 0"  | 1' - 6"   | 5-#5                     | #4 @ 8"                    | STD ACI HOOK |
| 2.5WF4.5              | 4' - 5"  | 1' - 6"   | 6-#5                     | #4 @ 16"                   | STD ACI HOOK |
| 2.5WF5.0              | 5' - 0"  | 1' - 6"   | 8-#5                     | #4 @ 9"                    | STD ACI HOOK |
| 2.5WF6.0              | 6' - 0"  | 1' - 6"   | 10-#5                    | #5 @ 9"                    | STD ACI HOOK |
| 2.5WF7.0              | 7' - 0"  | 1' - 6"   | 8-#7                     | #7 @ 9"                    | STD ACI HOOK |
| 2.5WF8.0              | 8' - 0"  | 1' - 6"   | 7-#6                     | #6 @ 12"                   | STD ACI HOOK |
| 2.5WF9.0              | 9' - 0"  | 1' - 6"   | 9-#7                     | #7 @ 9"                    | STD ACI HOOK |
| 2.5WF10.0             | 10' - 0" | 1' - 6"   | 10-#7                    | #7 @ 12"                   | STD ACI HOOK |

| COLUMN FOOTING SCHEDULE |          |          |           |                                   |              |
|-------------------------|----------|----------|-----------|-----------------------------------|--------------|
| MARK*                   | LENGTH   | WIDTH    | THICKNESS | TOP & BOTT. REINF. EA. WAY U.N.O. | REMARKS      |
| 2.5F4.0                 | 4' - 0"  | 4' - 0"  | 1' - 6"   | 5-#5                              | STD ACI HOOK |
| 2.5F5.0                 | 5' - 0"  | 5' - 0"  | 1' - 6"   | 5-#7                              | STD ACI HOOK |
| 2.5F6.0                 | 6' - 0"  | 6' - 0"  | 1' - 6"   | 6-#6                              | STD ACI HOOK |
| 2.5F6.5                 | 6' - 6"  | 6' - 6"  | 1' - 6"   | 6-#6                              | STD ACI HOOK |
| 2.5F7.0                 | 7' - 0"  | 7' - 0"  | 1' - 6"   | 7-#7                              | STD ACI HOOK |
| 2.5F7.5                 | 7' - 6"  | 7' - 6"  | 1' - 6"   | 7-#6                              | STD ACI HOOK |
| 2.5F8.0                 | 8' - 0"  | 8' - 0"  | 1' - 6"   | 7-#7                              | STD ACI HOOK |
| 2.5F8.5                 | 8' - 6"  | 8' - 6"  | 1' - 6"   | 8-#7                              | STD ACI HOOK |
| 2.5F9.0                 | 9' - 0"  | 9' - 0"  | 1' - 8"   | 9-#7                              | STD ACI HOOK |
| 2.5F10.0                | 10' - 0" | 10' - 0" | 1' - 10"  | 9-#7                              | STD ACI HOOK |
| 2.5F11.0                | 11' - 0" | 11' - 0" | 1' - 5"   | 4-#5                              | STD ACI HOOK |
| 2.5F11.5                | 11' - 6" | 11' - 6" | 2' - 0"   | 12-#7                             | STD ACI HOOK |
| 2.5F12.0                | 12' - 0" | 12' - 0" | 2' - 2"   | 11-#8                             | STD ACI HOOK |
| 2.5F13.0                | 13' - 0" | 13' - 0" | 2' - 2"   | 14-#8                             | STD ACI HOOK |



FOUNDATION - AREA C  
SCALE: 1/8" = 1'-0"

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CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

REVISIONS:  
4. 03/20/2023 Rev. 4 RESPONSE TO COMMENTS AND CONFORMED SET  
8. 09/22/2025 CONFORMED SET

FOUNDATION PLAN - AREA C  
DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO: 2122

SHEET: S201C  
OF

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



SLAB ON GRADE PLAN NOTES:

- SLAB ON GRADE TO BE 4" THICK CONCRETE OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS PER GEOTECHNICAL REPORT REINFORCED WITH 4x4W4 @ 4' O.C. (FLAT SHEETS) CENTERED IN SLAB.
- SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0" (±) O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
- VAPOR BARRIER REQUIREMENTS/APPLICATION/INSTALLATION SHALL BE DONE AS PER ARCHITECTURAL OR MOISTURE CONSULTANT DOCUMENTS AND RECOMMENDATIONS. IF NONE ARE AVAILABLE, AT A MINIMUM THE FOLLOWING RECOMMENDATIONS SHALL BE FOLLOWED.
  - VAPOR BARRIER SHALL CONFORM TO ASTM E-1745, MEETS OR EXCEEDS CLASS "B".
  - VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643-98.
  - UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
  - LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
  - OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
  - SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
  - NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
  - REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
- TOP OF SLAB ELEVATION SHOWN THUS  $\square$  ON PLAN EQUALS REFERENCE EL., FOR ACTUAL EL., SEE CIVIL DRAWINGS.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN, SEE ARCHITECTURAL DRAWINGS.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- COLUMN DESIGNATION SHOWN THUS  $\square$  ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601 & S602.

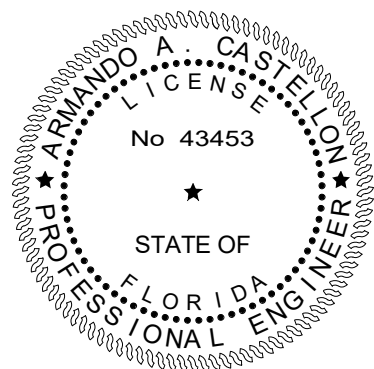
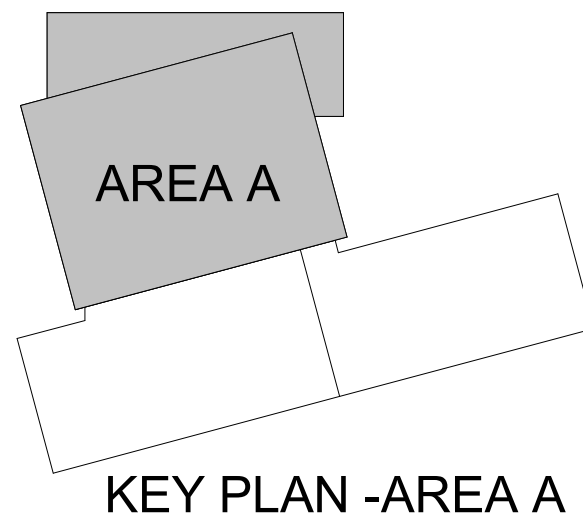
T/COLUMN ELEVATION

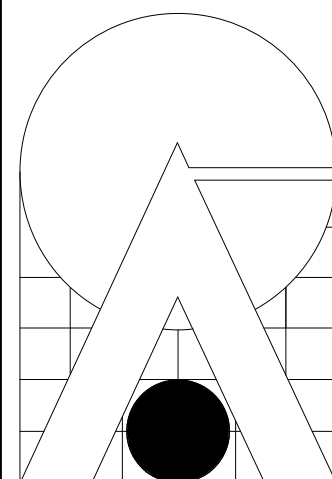
C1

COLUMN TYPE

CARRIED COLUMN
- COORDINATE LOCATION OF (S.C.J.) CONTROL JOINTS (SAWCUTS & TOOLED JOINTS) AT WALKWAY SLABS WITH ARCHITECTURAL DRAWINGS. CONTROL JOINTS AT EXPOSED TO WEATHER WALKWAYS SHALL BE TOOLED JOINTS. SEE TYPICAL DETAIL 3-201 ON S303.
- ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON PLAN WITH DOWELS TO MATCH, U.N.O. ALL CELLS AT REINFORCING LOCATION SHALL BE FILLED WITH GROUT. PROVIDE INSPECTION/CLEANOUT HOLE AT BASE WHEN POUR HEIGHT IS GREATER THAN 4'-0".
- LOCATION OF MASONRY CONTROL JOINT NOT SHOWN. COORDINATE WITH ARCHITECTURAL ELEVATIONS. SEE TYPICAL DETAIL 4-002 ON S304.
- RAIN LEADER SHOWN THUS  $\otimes$  R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
- GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST UNTEL AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 ON S305.
- MASONRY CONTROL JOINT SHOWN THUS  $\blacktriangleleft$  MCJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24' - 0". COORDINATE LOCATION WITH THE ARCH. & STRUCT. WALL ELEVATIONS. DO NOT LOCATE A MCJ CLOSER THAN 24" TO ANY CMU OPENING.
- 4" CMU WALL SHOWN ON PLAN TO BE REINFORCED WITH (1) #3 @ 24" O.C. U.N.O.

| THICKENED SLAB SCHEDULE |                 |           |                          |                            |                                   |
|-------------------------|-----------------|-----------|--------------------------|----------------------------|-----------------------------------|
| MARK*                   | SIZE            | THICKNESS | TOP & BOTT. REINF. CONT. | TOP & BOTT. REINF. TRANSV. | REMARKS                           |
| TS-1                    | 1' - 0" x CONT. | 1" - 4"   | (2)#5                    | N/A                        |                                   |
| TS-1A                   | 1' - 0" x CONT. | 1" - 0"   | (2)#5                    | #4 @ 24" O.C.              | TO BE USED ON INTERIOR AREAS ONLY |
| TS-2                    | 2' - 0" x CONT. | 1" - 4"   | (2)#5                    | N/A                        |                                   |
| TS-2A                   | 2' - 0" x CONT. | 1" - 4"   | (2)#5                    | N/A                        |                                   |
| TS-3                    | 4' - 0" x CONT. | 1" - 6"   | (4)#6                    | #6 @ 12" O.C.              |                                   |
| TS-4                    |                 |           |                          |                            |                                   |
| TS-5                    | 3' - 5" x CONT. | 1" - 4"   | (2)#5                    | N/A                        |                                   |





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P.E. #426 PROJ. NO. 1333-2011-01

**PROJECT:**

**CITY OF DELRAY BEACH**  
**POMPEY PARK REC CENTER**  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

**REVISIONS:**

|   |                                               |            |
|---|-----------------------------------------------|------------|
| 1 | Rev. 4 RESPONSE TO COMMENTS AND CONFORMED SET | 4/03/2023  |
| 2 |                                               | 06/22/2023 |

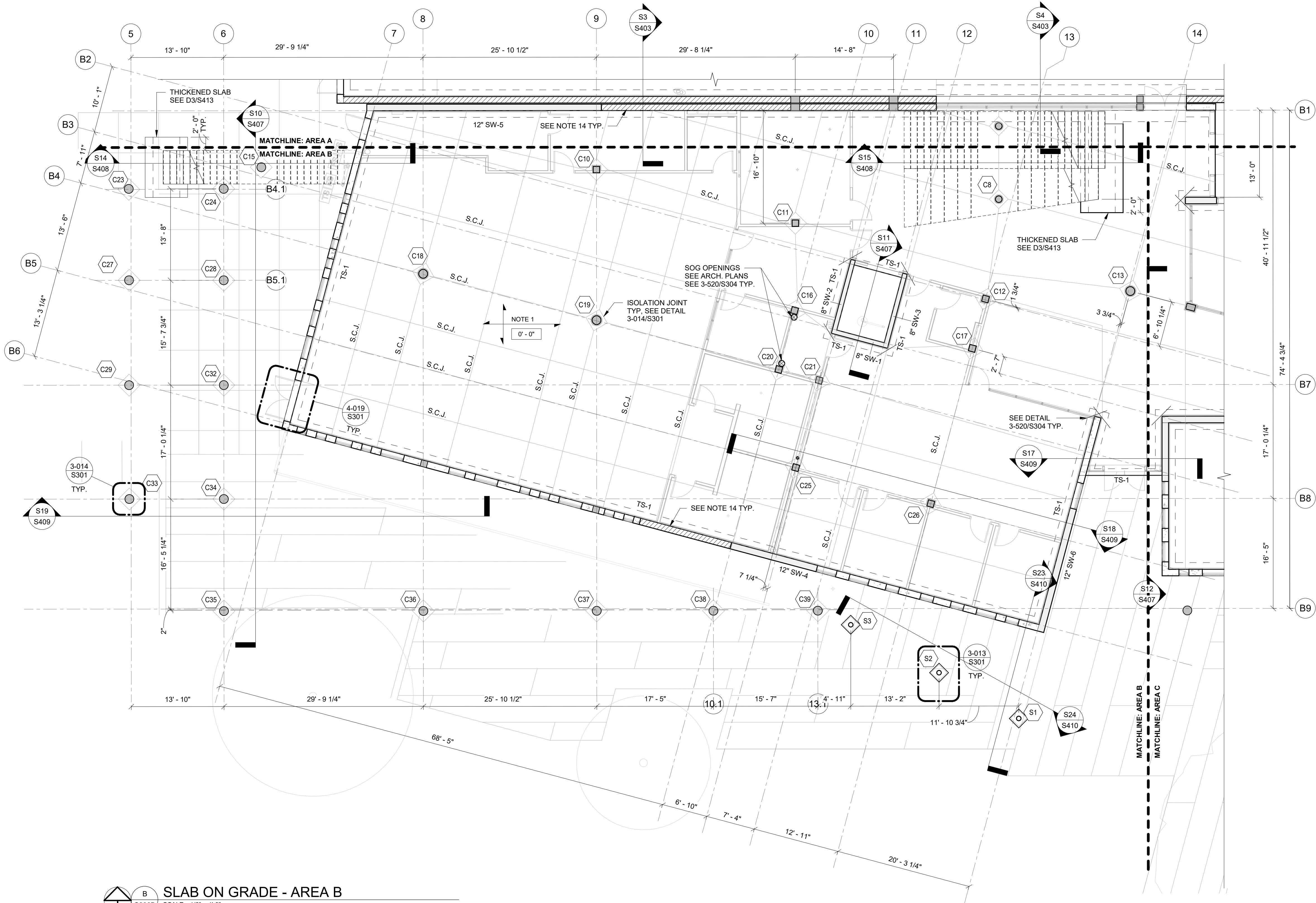
**TITLE:** SLAB ON GRADE PLAN - AREA A

**DATE:** Dec. 27, 2022  
**DRAWN BY:** AN/AM  
**CHECKED BY:** AC

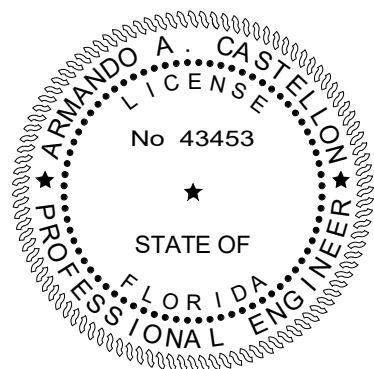
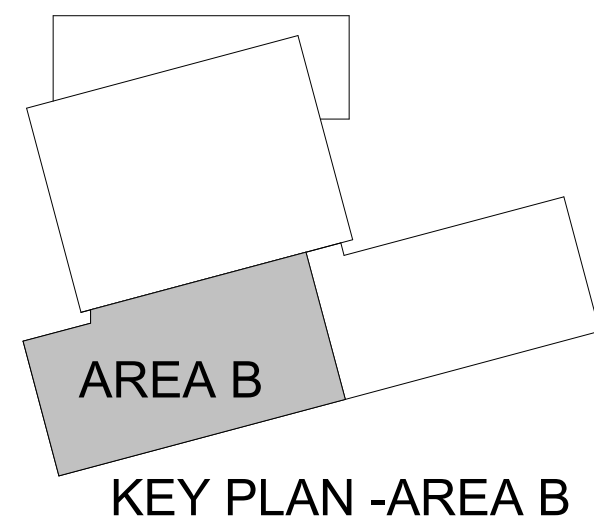
**JOB NO:** 2122

**SHEET:** S202A  
OF

ISSUED FOR CONSTRUCTION 11/21/2025



**SLAB ON GRADE - AREA B**  
SCALE: 1/8" = 1'-0"



- SLAB ON GRADE PLAN NOTES:**
- SLAB ON GRADE TO BE 4" THICK CONCRETE OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS PER GEOTECHNICAL REPORT REINFORCED WITH 4x4xW4.0xW4.0 W.W.F. (FLAT SHEETS) CENTERED IN SLAB.
  - SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0" (±) O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
  - VAPOR BARRIER REQUIREMENTS/APPLICATION/INSTALLATION SHALL BE DONE AS PER ARCHITECTURAL OR MOISTURE CONSULTANT DOCUMENTS AND RECOMMENDATIONS. IF NONE ARE AVAILABLE, AT A MINIMUM THE FOLLOWING RECOMMENDATIONS SHALL BE FOLLOWED.
    - VAPOR BARRIER SHALL CONFORM TO ASTM E-1745, MEETS OR EXCEEDS CLASS "B".
    - VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643-98.
    - UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
    - LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
    - OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
    - SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
    - NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
    - REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
  - TOP OF SLAB ELEVATION SHOWN THUS ON PLAN EQUALS REFERENCE EL. FOR ACTUAL EL. SEE CIVIL DRAWINGS.
  - FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
  - FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
  - FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
  - COLUMN DESIGNATION SHOWN THUS ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601 & S602.
- T/COLUMN ELEVATION  
 COLUMN TYPE  
CARRIED COLUMN
- COORDINATE LOCATION OF (S.C.J) CONTROL JOINTS (SAWCUTS & TOOLED JOINTS) AT WALKWAY SLABS WITH ARCHITECTURAL DRAWINGS. CONTROL JOINTS AT EXPOSED TO WEATHER WALKWAYS SHALL BE TOOLED JOINTS. SEE TYPICAL DETAIL 3-201 ON S303.
  - ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON PLAN WITH DOWELS TO MATCH, U.N.O. ALL CELLS AT REINFORCING LOCATION SHALL BE FILLED WITH GROUT. PROVIDE INSPECTION/CLEANOUT HOLE AT BASE WHEN POUR HEIGHT IS GREATER THAN 4'-0".
  - LOCATION OF MASONRY CONTROL JOINT NOT SHOWN. COORDINATE WITH ARCHITECTURAL ELEVATIONS. SEE TYPICAL DETAIL 4-002 ON S304.
  - RAIN LEADER SHOWN THUS R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
  - GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST LINTEL AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 ON S305.
  - MASONRY CONTROL JOINT SHOWN THUS MCJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24' - 0". COORDINATE LOCATION WITH THE ARCH. & STRUCT WALL ELEVATIONS. DO NOT LOCATE A MCJ CLOSER THAN 24" TO ANY CMU OPENING.
  - 4" CMU WALL SHOWN ON PLAN TO BE REINFORCED WITH (1) #3 @ 24" O.C. U.N.O.

| THICKENED SLAB SCHEDULE |                 |           |                         |                           |                                   |
|-------------------------|-----------------|-----------|-------------------------|---------------------------|-----------------------------------|
| MARK*                   | SIZE            | THICKNESS | TOP & BOT. REINF. CONT. | TOP & BOT. REINF. TRANSV. | REMARKS                           |
| TS-1                    | 1' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-1A                   | 1' - 0" x CONT. | 1' - 0"   | (2)-#5                  | #4 @ 24" O.C.             | TO BE USED ON INTERIOR AREAS ONLY |
| TS-2                    | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-2A                   | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-3                    | 4' - 0" x CONT. | 1' - 6"   | (4)-#6                  | #6 @ 12" O.C.             |                                   |
| TS-4                    |                 |           |                         |                           |                                   |
| TS-5                    | 3' - 5" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |

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P.E. 84262 PROJ. NO. 1333-201-01-01

**PROJECT:**

**CITY OF DELRAY BEACH**  
**POMPEY PARK REC CENTER**  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

**REVISIONS:**

|             |               |
|-------------|---------------|
| DATE:       | Dec. 27, 2022 |
| DRAWN BY:   | AN/NM         |
| CHECKED BY: | AC            |

**CONFORMED SET 09/22/2025**

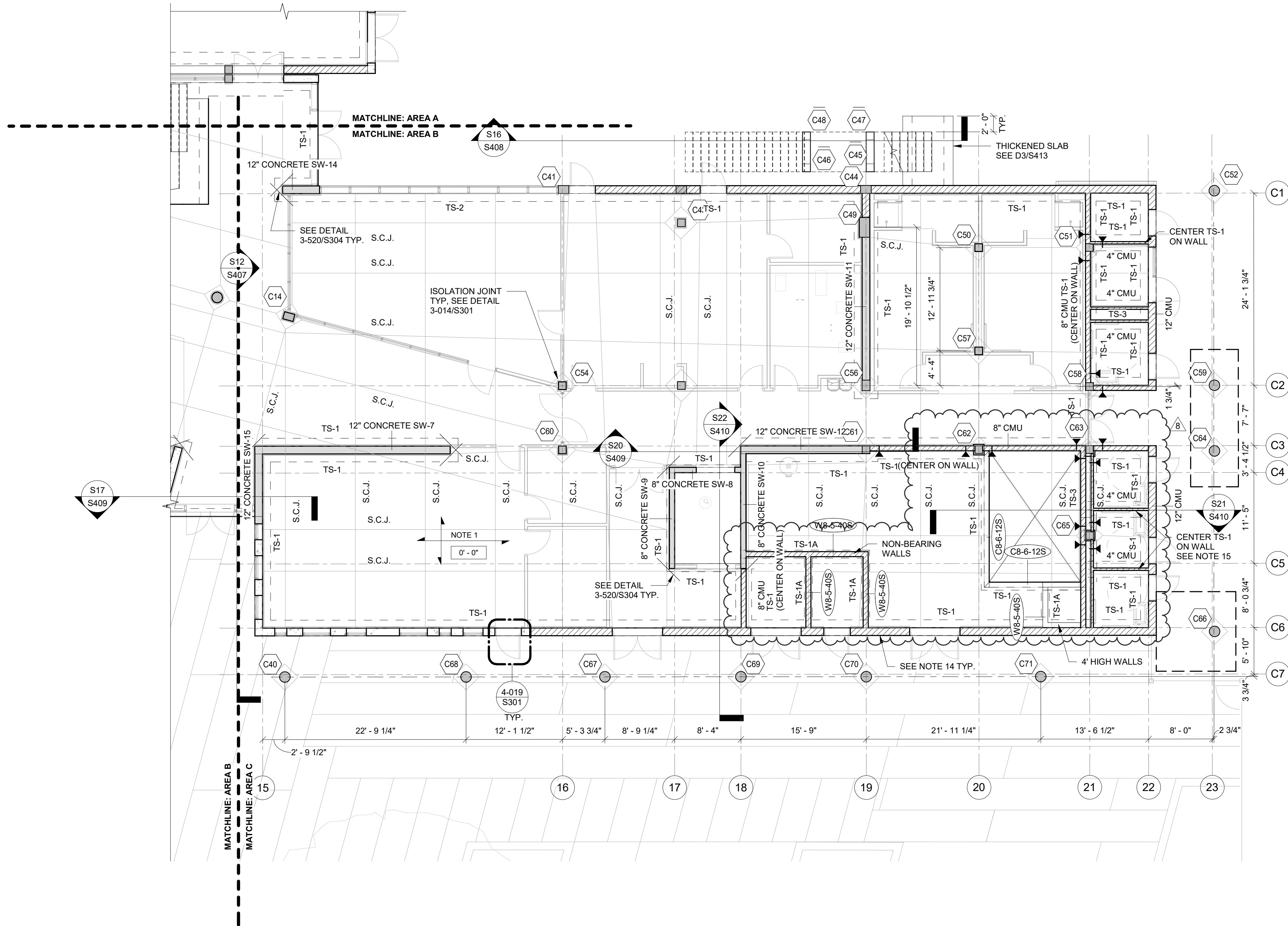
**TITLE:** SLAB ON GRADE PLAN - AREA B

**SHEET:** S202B

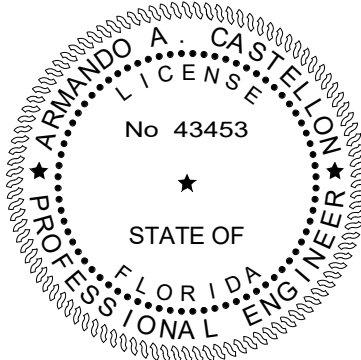
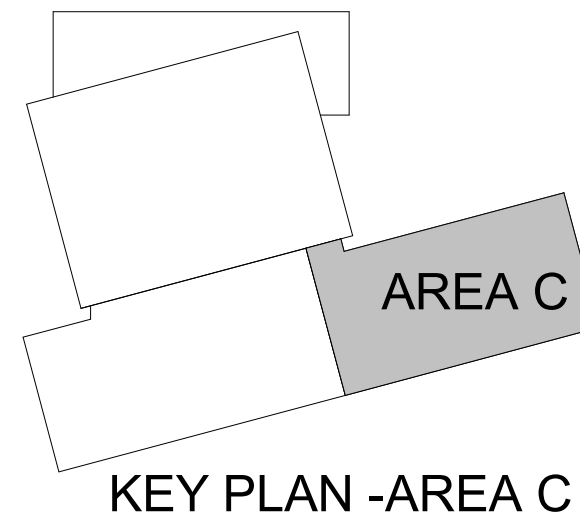
**JOB NO:** 2122

**OF**

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



**SLAB ON GRADE - AREA C**  
SCALE: 1/8" = 1'-0"



ISSUED FOR CONSTRUCTION 11/21/2025

TITLE: SLAB ON GRADE PLAN - AREA C

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO: 2122

SHEET: S202C  
OF

**SLAB ON GRADE PLAN NOTES:**

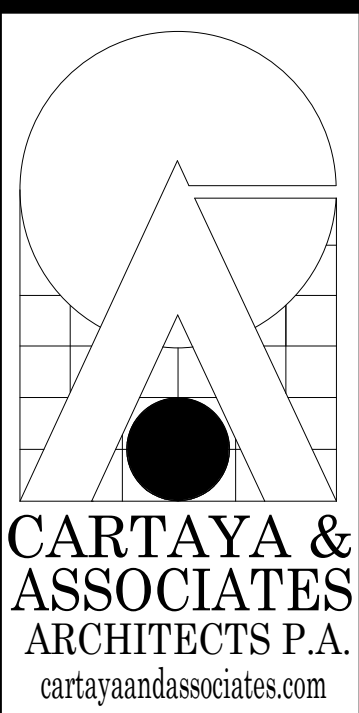
- SLAB ON GRADE TO BE 4" THICK CONCRETE OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS PER GEOTECHNICAL REPORT REINFORCED WITH 4x4xW4.0xW4.0 W.W.F. (FLAT SHEETS) CENTERED IN SLAB.
- SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0" (+) O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
- VAPOR BARRIER REQUIREMENTS/APPLICATION/INSTALLATION SHALL BE DONE AS PER ARCHITECTURAL OR MOISTURE CONSULTANT DOCUMENTS AND RECOMMENDATIONS. IF NONE ARE AVAILABLE, AT A MINIMUM THE FOLLOWING RECOMMENDATIONS SHALL BE FOLLOWED.
  - VAPOR BARRIER SHALL CONFORM TO ASTM E-1745, MEETS OR EXCEEDS CLASS "B".
  - VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643-98.
  - UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
  - LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
  - OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
  - SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
  - NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
  - REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
- TOP OF SLAB ELEVATION SHOWN THUS ON PLAN EQUALS REFERENCE EL. FOR ACTUAL EL., SEE CIVIL DRAWINGS.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- COLUMN DESIGNATION SHOWN THUS ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601 & S602.

T/COLUMN ELEVATION

COLUMN TYPE

CARRIED COLUMN
- COORDINATE LOCATION OF (S.C.J.) CONTROL JOINTS (SAWCUTS & TOOLED JOINTS) AT WALKWAY SLABS WITH ARCHITECTURAL DRAWINGS. CONTROL JOINTS AT EXPOSED TO WEATHER WALKWAYS SHALL BE TOOLED JOINTS. SEE TYPICAL DETAIL 3-201 ON S303.
- ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON PLAN WITH DOWELS TO MATCH, U.N.O. ALL CELLS AT REINFORCING LOCATION SHALL BE FILLED WITH GROUT. PROVIDE INSPECTION/CLEANOUT HOLE AT BASE WHEN FOUR HEIGHT IS GREATER THAN 4'-0".
- LOCATION OF MASONRY CONTROL JOINT NOT SHOWN. COORDINATE WITH ARCHITECTURAL ELEVATIONS. SEE TYPICAL DETAIL 4-002 ON S304.
- RAIN LEADER SHOWN THUS R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
- GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST LINTEL AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 ON S305.
- MASONRY CONTROL JOINT SHOWN THUS MCJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24' - 0". COORDINATE LOCATION WITH THE ARCH. & STRUCT WALL ELEVATIONS. DO NOT LOCATE A MCJ CLOSER THAN 24" TO ANY CMU OPENING.
- 4" CMU WALL SHOWN ON PLAN TO BE REINFORCED WITH (1) #3 @ 24" O.C. U.N.O.

| THICKENED SLAB SCHEDULE |                 |           |                         |                           |                                   |
|-------------------------|-----------------|-----------|-------------------------|---------------------------|-----------------------------------|
| MARK*                   | SIZE            | THICKNESS | TOP & BOT. REINF. CONT. | TOP & BOT. REINF. TRANSV. | REMARKS                           |
| TS-1                    | 1' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-1A                   | 1' - 0" x CONT. | 1' - 0"   | (2)-#5                  | #4 @ 24" O.C.             | TO BE USED ON INTERIOR AREAS ONLY |
| TS-2                    | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-2A                   | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-3                    | 4' - 0" x CONT. | 1' - 6"   | (4)-#6                  | #6 @ 12" O.C.             |                                   |
| TS-4                    |                 |           |                         |                           |                                   |
| TS-5                    | 3' - 5" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |



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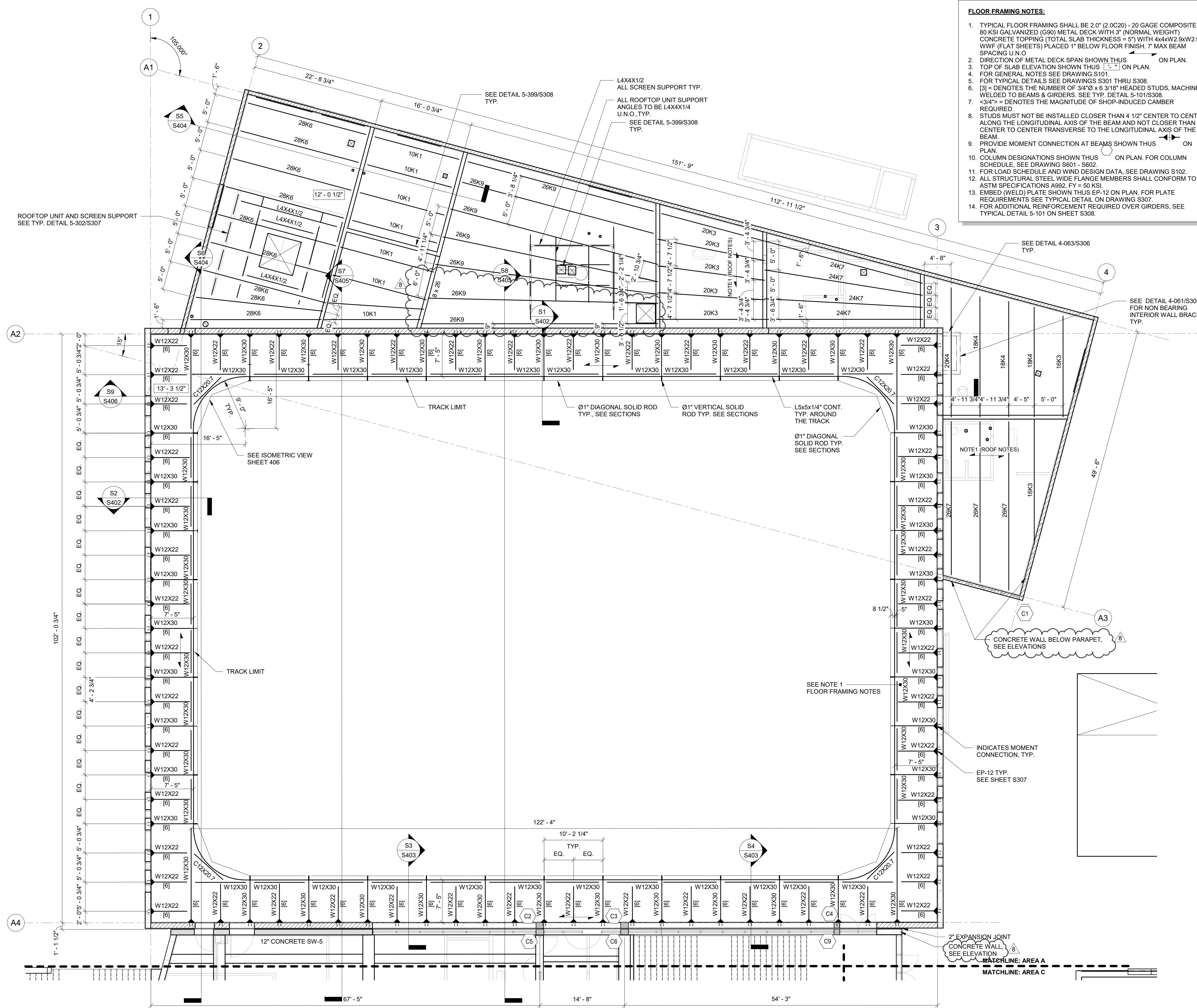


CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:  
# 06/22/2025 CONFORMED SET

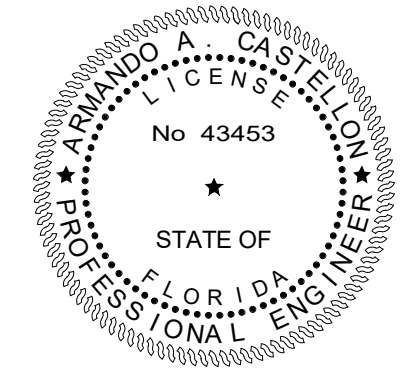
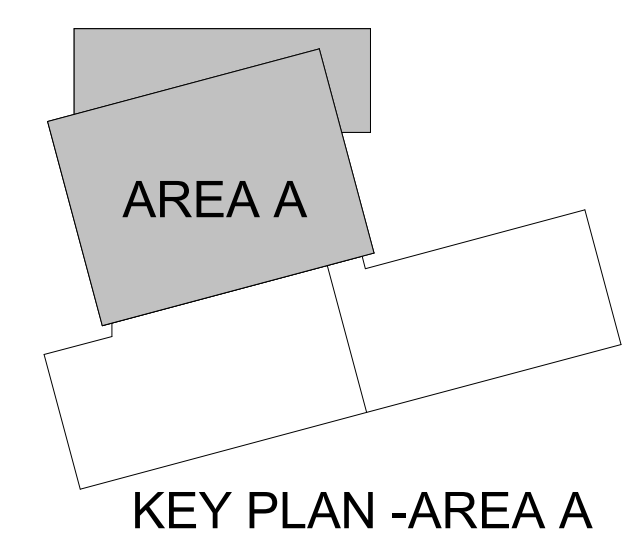
TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



- FLOOR FRAMING NOTES:**
1. TYPICAL FLOOR FRAMING SHALL BE 2.0" (2.0C20) - 20 GAGE COMPOSITE 80 KSI GALVANIZED (G90) METAL DECK WITH 3" (NORMAL WEIGHT) CONCRETE TOPPING (TOTAL SLAB THICKNESS = 5") WITH 4x4xW2.9xW2.9 WWF (FLAT SHEETS) PLACED 1" BELOW FLOOR FINISH. 7" MAX BEAM SPACING U.N.O.
  2. DIRECTION OF METAL DECK SPAN SHOWN THUS ON PLAN.
  3. TOP OF SLAB ELEVATION SHOWN THUS ON PLAN.
  4. FOR GENERAL NOTES SEE DRAWING S101.
  5. FOR TYPICAL DETAILS SEE DRAWINGS S301 THRU S308.
  6. [3] = DENOTES THE NUMBER OF 3/4"x6 3/8" HEADED STUDS, MACHINE WELDED TO BEAMS & GIRDERS. SEE TYP. DETAIL 5-101/S308.
  7. <3/4"> = DENOTES THE MAGNITUDE OF SHOP-INDUCED CAMBER REQUIRED.
  8. STUDS MUST NOT BE INSTALLED CLOSER THAN 4 1/2" CENTER TO CENTER ALONG THE LONGITUDINAL AXIS OF THE BEAM AND NOT CLOSER THAN 3" CENTER TO CENTER TRANSVERSE TO THE LONGITUDINAL AXIS OF THE BEAM.
  9. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ON PLAN.
  10. COLUMN DESIGNATIONS SHOWN THUS ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S601 - S602.
  11. FOR LOAD SCHEDULE AND WIND DESIGN DATA, SEE DRAWING S102.
  12. ALL STRUCTURAL STEEL WIDE FLANGE MEMBERS SHALL CONFORM TO ASTM SPECIFICATIONS A992, FY = 50 KSI.
  13. EMBED (WELD) PLATE SHOWN THUS EP-12 ON PLAN. FOR PLATE REQUIREMENTS SEE TYPICAL DETAIL ON DRAWING S307.
  14. FOR ADDITIONAL REINFORCEMENT REQUIRED OVER GIRDERS, SEE TYPICAL DETAIL 5-101 ON SHEET S308.

- ROOF FRAMING NOTES:**
1. ROOF FRAMING SHALL BE 1 1/2" - 20 GAGE TYPE "BIA" (WIDE RIB) 80 KSI, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. (U.N.O.).
  - 1A. 4 3/4" CONCRETE SLAB W/ #5 REINF. EACH WAY @ 12" O.C. IN THE MIDDLE OF THE SLAB.
  2. DIRECTION OF METAL DECK SPAN SHOWN THUS ON PLAN.
  3. FOR ROOF DRAIN LOCATIONS AND SIZE SEE ARCHITECTURAL DRAWINGS. FOR FRAMING SEE TYPICAL DETAIL 5-302/S307.
  4. FOR TYPICAL DETAILS AND GENERAL NOTES SEE DRAWING S101 & S301-S308.
  5. ( ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
  6. JOIST MANUFACTURER TO DESIGN JOIST FOR THE UPLIFT FORCE SHOWN ON THE LOADING SCHEDULE AND PROVIDE CERTIFICATION THAT CHORD MEMBERS HAVE BEEN INVESTIGATED FOR REVERSE STRESSES DUE TO ALL UPLIFT FORCES. ADDITIONAL BRIDGING SHALL BE PROVIDED AT THE FIRST INTERIOR BOTTOM CHORD PANEL POINT OF ALL JOISTS SUBJECT TO NET UPLIFT PER STEEL JOIST INSTITUTE.
  7. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
  8. RAIN LEADER SHOWN THUS R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
  9. FOR PLAN DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
  10. SEE PLAN FOR ROOFTOP UNIT PROPERTIES AND MECH. PLANS.
  11. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ON PLAN.
  12. COLUMN DESIGNATIONS SHOWN THUS ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S601.
  13. DENOTES COLUMN STOP AT THIS LEVEL.
  14. FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S102.
  15. JOIST MANUFACTURER SHALL DESIGN JOISTS FOR ADDITIONAL LOADS AT LOCATION SHOWN.

NOTE: TRACK COMPOSITE METAL DECK CONCRETE TOPPING TO BE WET CURED, NO CURING COMPOUNDS ALLOWED.



02 2ND FLOOR FRAMING PLAN - AREA A  
SCALE: 1/8" = 1'-0"

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P.E. #4226 PROJ. NO. 1333-2011-01

**PROJECT:**

**CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444**

**REVISIONS:**

| NO. | DATE       | REVISION                                      |
|-----|------------|-----------------------------------------------|
| 1   | 02/20/2023 | REV. 4 RESPONSE TO COMMENTS AND CONFORMED SET |
| 2   | 02/20/2023 | CONFORMED SET                                 |

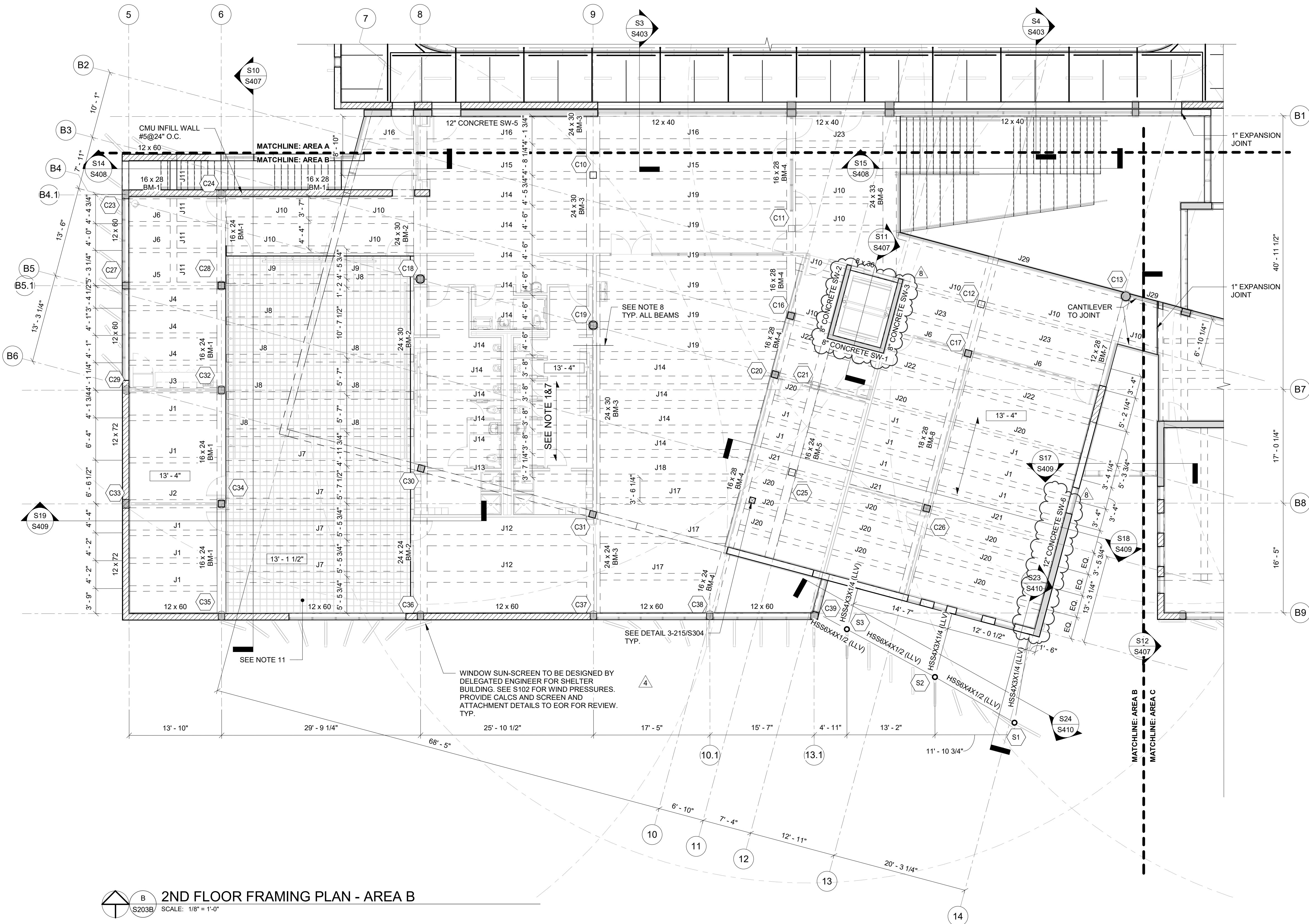
**TITLE:** 2ND FLOOR FRAMING PLAN - AREA A

**DATE:** Dec. 27, 2022  
**DRAWN BY:** AN/AM  
**CHECKED BY:** AC

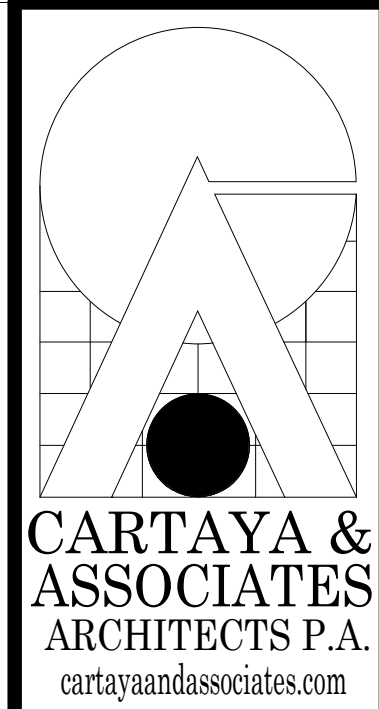
**JOB NO:** 2122

**SHEET:** S203A  
**OF**

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- FLOOR FRAMING NOTES:**
- DIRECTION OF SLAB SPAN INDICATED THUS ON PLAN.
  - FOR GENERAL NOTES SEE DRAWING S101.
  - FOR TYPICAL DETAILS SEE DRAWINGS S301 THRU S308.
  - COLUMN DESIGNATIONS SHOWN THUS ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S603.
  - ELEVATION OF TOP OF SLAB SHOWN THUS ON PLAN, BASED ON REFERENCE ELEVATION.
  - FOR BEAM DIAGRAMS AND DETAILS SEE DRAWING S611 THRU S613. FOR UNLESS NOTED OTHERWISE: 4 3/4\"/>
  - PROVIDE ADDITIONAL #4 @ 24\"/>
  - START LAYOUT OF JOISTS AT LOCATION SHOWN. TYPICAL ALL FLOORS INCLUDING ROOF.
  - FOR LOAD SCHEDULE AND WIND DESIGN DATA, SEE DRAWING S102.
  - 4 3/4\"/>
  - NO CURING COMPOUNDS ALLOWED.
  - PROVIDE #4 SKIN BARS @ 6\"/>
  - XYPEX WATERPROOFING AGENT SHOULD BE APPLIED IN THE CONCRETE MIX FOR THE HATCHED AREA .



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**CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444**

PROJECT:

REVISIONS:  
4. 03/20/2023 Rev. 4 RESPONSE TO COMMENTS AND CONFORMED SET  
8. 06/22/2025 CONFORMED SET

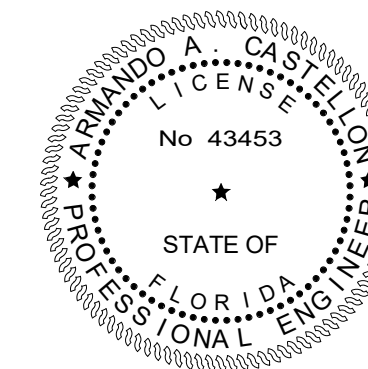
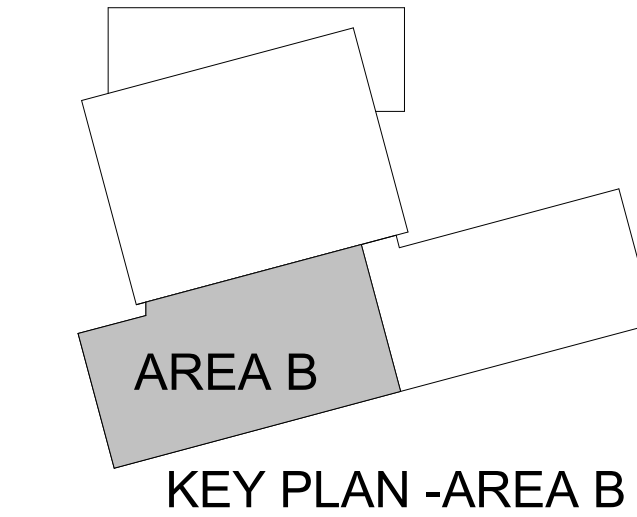
TITLE: 2ND FLOOR FRAMING PLAN - AREA B

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

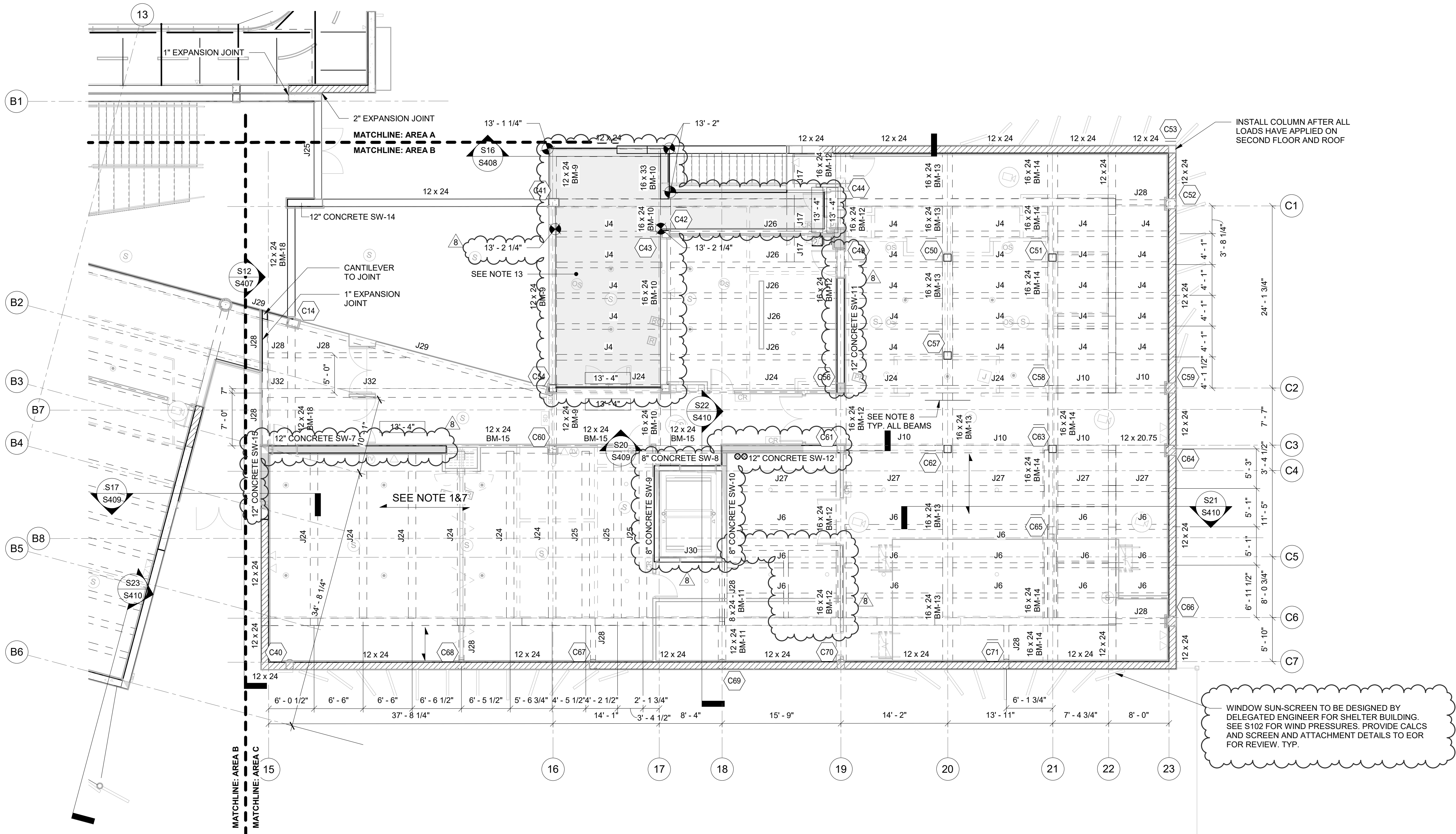
JOB NO: 2122

SHEET:

S203B  
OF



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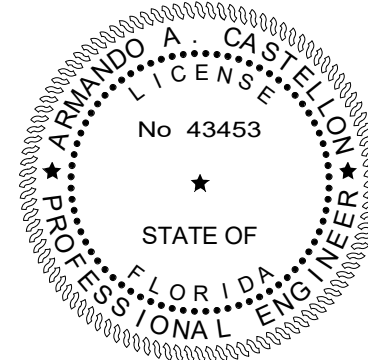
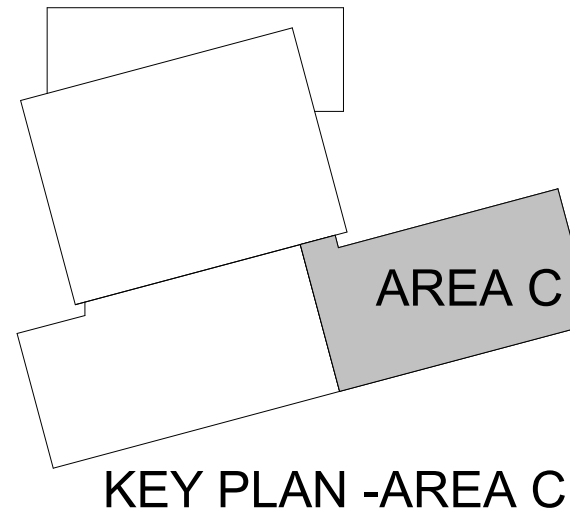


- FLOOR FRAMING NOTES:**
- DIRECTION OF SLAB SPAN INDICATED THUS ON PLAN.
  - FOR GENERAL NOTES SEE DRAWING S101.
  - FOR TYPICAL DETAILS SEE DRAWINGS S301 THRU S308.
  - COLUMN DESIGNATIONS SHOWN THUS ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S603.
  - ELEVATION OF TOP OF SLAB SHOWN THUS ON PLAN, BASED ON REFERENCE ELEVATION.
  - FOR BEAM DIAGRAM AND DETAILS SEE DRAWING S611 THRU S613. FOR UNLESS NOTED OTHERWISE, 4 3/4\"/>
  - PROVIDE ADDITIONAL #4 @ 24\"/>
  - START LAYOUT OF JOISTS AT LOCATION SHOWN. TYPICAL ALL FLOORS INCLUDING ROOF.
  - FOR LOAD SCHEDULE AND WIND DESIGN DATA, SEE DRAWING S102.
  - 4 3/4\"/>
  - NO CURING COMPOUNDS ALLOWED.
  - PROVIDE #4 SKIN BARS @ 6\"/>
  - XYPEX WATERPROOFING AGENT SHOULD BE APPLIED IN THE CONCRETE MIX FOR THE HATCHED AREA .

**2ND FLOOR FRAMING PLAN - AREA C**  
SCALE: 1/8\"/>

| CONCRETE BEAM SCHEDULE |             |             |                   |                 |                                  |
|------------------------|-------------|-------------|-------------------|-----------------|----------------------------------|
| Type Mark              | BEAM WIDTH  | BEAM DEPTH  | CONT. REINFORCING | TIE REINFORCING | REMARKS                          |
| J1                     | 0' - 10"    | 1' - 8 3/4" | (2)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J2                     | 1' - 2 1/2" | 1' - 8 3/4" | (2)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J3                     | 0' - 9 1/2" | 1' - 8 3/4" | (2)#5 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J4                     | 0' - 9"     | 1' - 8 3/4" | (2)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J5                     | 1' - 0 1/4" | 1' - 8 3/4" | (2)#5 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J6                     | 0' - 8"     | 1' - 8 3/4" | (2)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J7                     | 1' - 8"     | 1' - 9 1/2" | (8)#3 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J8                     | 1' - 2"     | 1' - 8 3/4" | (3)#6 T&B         | #3@12" O.C.     | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J9                     | 1' - 3 1/2" | 1' - 8 3/4" | (3)#5 T&B         | #3@12" O.C.     | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J10                    | 1' - 0"     | 1' - 8 3/4" | (3)#6 T&B         | #3@12" O.C.     | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J11                    | 1' - 0"     | 1' - 8 3/4" | (3)#7 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J12                    | 1' - 8"     | 2' - 0"     | (5)#8 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J13                    | 1' - 0 1/2" | 1' - 8 3/4" | (2)#5 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J14                    | 1' - 2"     | 2' - 0 3/4" | (4)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J15                    | 1' - 1 1/2" | 2' - 0 3/4" | (4)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J16                    | 1' - 6 3/4" | 2' - 0 3/4" | (3)#5 T (3)#8 B   | #3@12" O.C.     | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J17                    | 1' - 0"     | 1' - 4"     | (5)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J18                    | 1' - 0 1/2" | 2' - 0 3/4" | (2)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |

| CONCRETE BEAM SCHEDULE |              |             |                   |                 |                                  |
|------------------------|--------------|-------------|-------------------|-----------------|----------------------------------|
| Type Mark              | BEAM WIDTH   | BEAM DEPTH  | CONT. REINFORCING | TIE REINFORCING | REMARKS                          |
| J19                    | 1' - 2"      | 2' - 4 3/4" | (4)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J20                    | 0' - 10 1/2" | 1' - 8 3/4" | (3)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J21                    | 1' - 1 1/2"  | 1' - 8 3/4" | (2)#6 T&B         | #3@12" O.C.     | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J22                    | 0' - 10 3/4" | 1' - 8 3/4" | (3)#7 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J23                    | 0' - 11 3/4" | 1' - 8 3/4" | (2)#6 T&B         | #3@12" O.C.     | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J24                    | 1' - 0"      | 2' - 0 3/4" | (2)#5 T (3)#7 B   | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J25                    | 1' - 0"      | 2' - 0"     | (2)#5 T (3)#6 B   | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J26                    | 0' - 9"      | 2' - 0 3/4" | (3)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J27                    | 0' - 9 3/4"  | 1' - 8 3/4" | (2)#6 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J28                    | 0' - 8"      | 2' - 0"     | (2)#5 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J29                    | 1' - 0"      | 2' - 6"     | (3) #7 T&B        | #3@12" O.C.     | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J30                    | 0' - 8"      | 2' - 0"     | (2)#5 T&B         | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |
| J32                    | 1' - 2"      | 2' - 0"     | (4) #9 T&B        | #3@9" O.C.      | (4)#3 STIR. @ 4" O.C. @ SUPPORTS |



TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE

ISSUED FOR CONSTRUCTION 11/21/2025

TITLE: 2ND FLOOR FRAMING PLAN - AREA C

SHEET: S203C OF

PROJECT:

CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

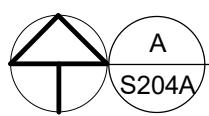
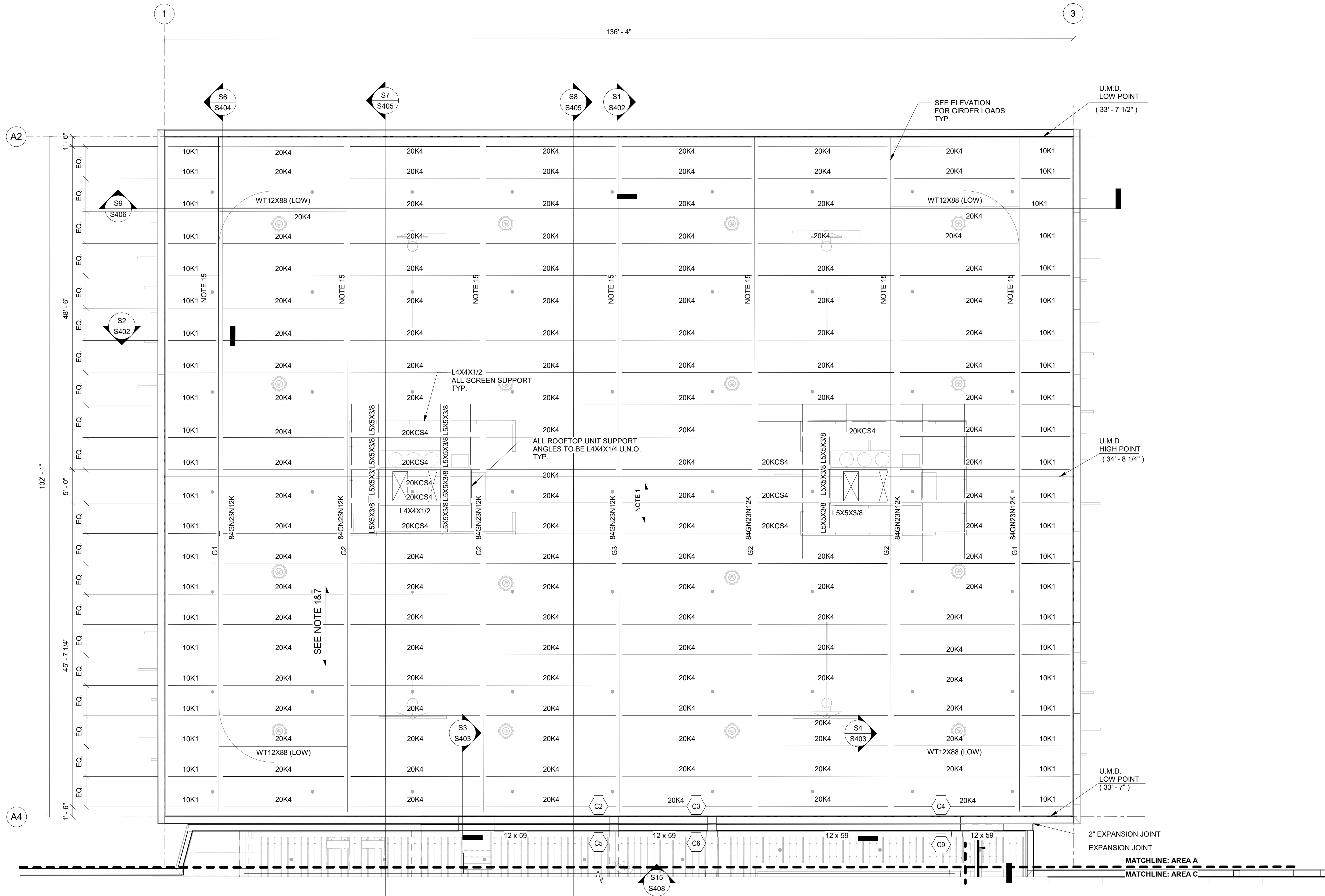
REVISIONS:  
6 06/22/2025 CONFORMED SET

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO: 2122

MASTER CONSULTING ENGINEERS, INC.  
4101 RAVENSWOOD RD., STE. 320  
FT. LAUDERDALE, FLORIDA 33312  
P: (954) 210-7871 F: (954) 287-3622  
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P.E. #4226 PROJ. NO. 1333-001-1-1

CARTAYA & ASSOCIATES ARCHITECTS P.A.  
2400 E. COMMERCIAL BLVD. SUITE 210  
FT. LAUDERDALE, FLORIDA 33308  
954-771-2724



ROOF FRAMING PLAN - AREA A

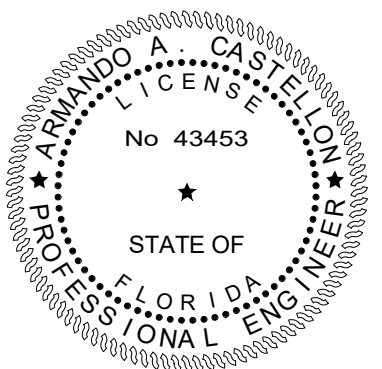
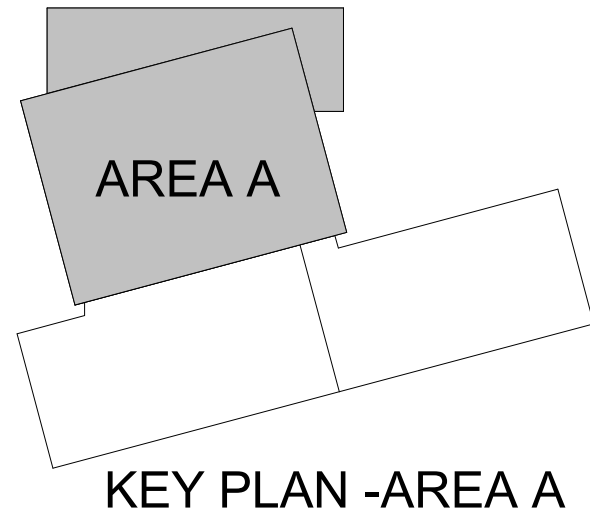
SCALE: 1/8" = 1'-0"

**ROOF FRAMING NOTES:**

1. ROOF FRAMING SHALL BE 1 1/2" - 20 GAGE TYPE "BIA" (WIDE RIB) 80 KSI, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. (U.N.O.).
- 1A. 4 3/4" CONCRETE SLAB W/ #5 REINF. EACH WAY @ 12" O.C. IN THE MIDDLE OF THE SLAB
2. DIRECTION OF METAL DECK SPAN SHOWN THUS ON PLAN.
3. FOR ROOF DRAIN LOCATIONS AND SIZE SEE ARCHITECTURAL DRAWINGS. FOR FRAMING SEE TYPICAL DETAIL 5-302/S307.
4. FOR TYPICAL DETAILS AND GENERAL NOTES SEE DRAWING S101 & S301-S308.
5. ( ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
6. JOIST MANUFACTURER TO DESIGN JOIST FOR THE UPLIFT FORCE SHOWN ON THE LOADING SCHEDULE AND PROVIDE CERTIFICATION THAT CHORD MEMBERS HAVE BEEN INVESTIGATED FOR REVERSE STRESSES DUE TO ALL UPLIFT FORCES. ADDITIONAL BRIDGING SHALL BE PROVIDED AT THE FIRST INTERIOR BOTTOM CHORD PANEL POINT OF ALL JOISTS SUBJECT TO NET UPLIFT PER STEEL JOIST INSTITUTE.
7. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
8. RAIN LEADER SHOWN THUS R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
9. FOR PLAN DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
10. SEE PLAN FOR ROOFTOP UNIT PROPERTIES AND MECH. PLANS.
11. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ON PLAN.
12. COLUMN DESIGNATIONS SHOWN THUS ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S601.
13. DENOTES COLUMN STOP AT THIS LEVEL.
14. FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S102.
15. JOIST MANUFACTURER SHALL DESIGN JOISTS FOR ADDITIONAL LOADS AT LOCATION SHOWN.

NOTE: TRACK COMPOSITE METAL DECK CONCRETE TOPPING TO BE WET CURED, NO CURING COMPOUNDS ALLOWED.

NOTE: ROOF STEEL JOIST AND GIRDER SIZE IS SUBJECT TO CHANGE BASED ON ROOF EQUIPEMT (HOOKS, ROOFTOP UNITS ETC.) LOCATION AND LOAD.



CONFORMED SET 09/22/2025

TITLE: ROOF FRAMING PLAN - AREA A

DATE: Dec. 27, 2022  
DRAWN BY: AN/NM  
CHECKED BY: AC

SHEET: S204A OF

**CARTAYA & ASSOCIATES**  
ARCHITECTS P.A.  
cartayaandassociates.com

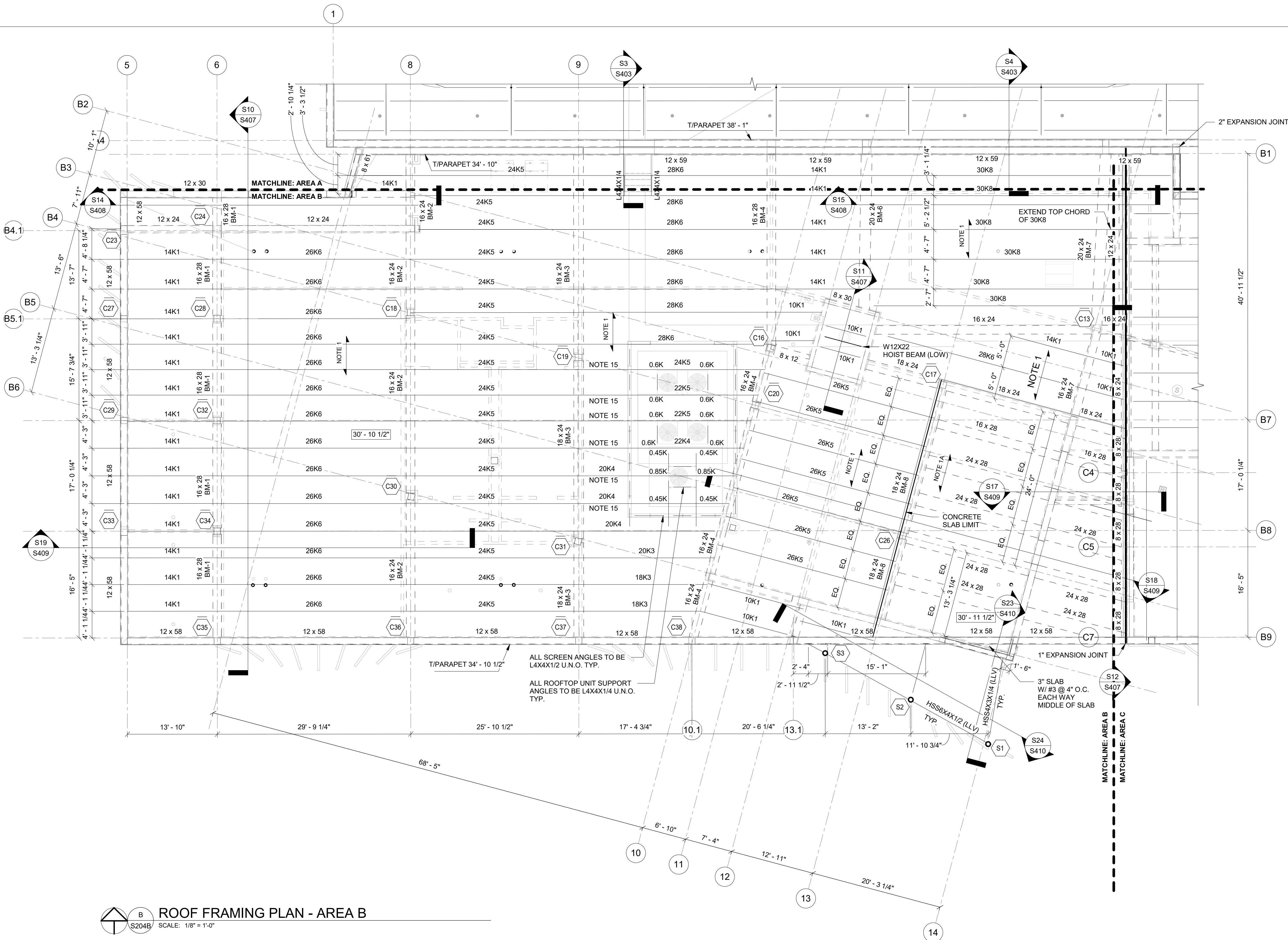
2400 E. COMMERCIAL BLVD. SUITE 210  
FT. LAUDERDALE, FLORIDA 33308  
954-771-2724

**MASTER CONSULTING ENGINEERS, INC.**  
11001 DUNN, CORNER 11TH ST  
4101 RAVENSWOOD RD., STE 320  
FT. LAUDERDALE, FLORIDA 33312  
P: 954-210-7871 F: 954-287-3622  
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P.E. #8226 PROJ. NO. 1333-2011-01

**PROJECT:**  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

**REVISIONS:**  
Rev. 4 RESPONSE TO  
4. 03/20/2023  
COMMENTS AND  
REVISION UPDATES

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE

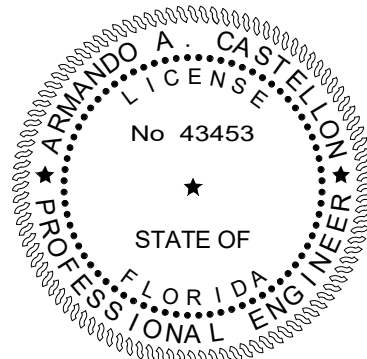
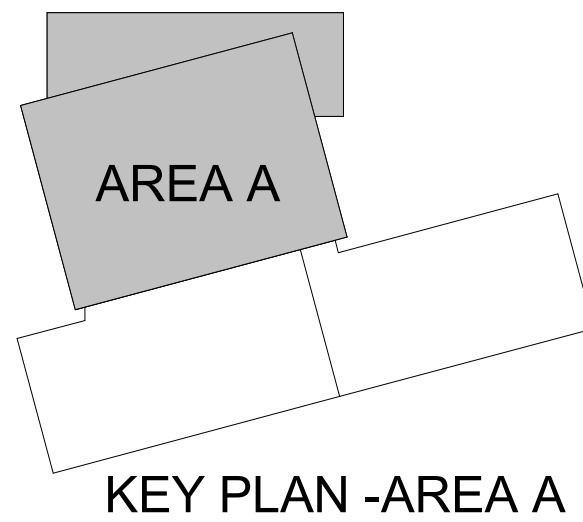


 **ROOF FRAMING PLAN - AREA B**  
SCALE: 1/8" = 1'-0"

**ROOF FRAMING NOTES:**

1. ROOF FRAMING SHALL BE 1 1/2" - 20 GAGE TYPE "BIA" (WIDE RIB) 80 KSI, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. (U.N.O.).
- 1A. 4 3/4" CONCRETE SLAB W/ #5 REINF. EACH WAY @ 12" O.C. IN THE MIDDLE OF THE SLAB
2. DIRECTION OF METAL DECK SPAN SHOWN THUS  ON PLAN.
3. FOR ROOF DRAIN LOCATIONS AND SIZE SEE ARCHITECTURAL DRAWINGS. FOR FRAMING SEE TYPICAL DETAIL 5-302/S307.
4. FOR TYPICAL DETAILS AND GENERAL NOTES SEE DRAWING S101 & S301-S308.
5. (  ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
6. JOIST MANUFACTURER TO DESIGN JOIST FOR THE UPLIFT FORCE SHOWN ON THE LOADING SCHEDULE AND PROVIDE CERTIFICATION THAT CHORD MEMBERS HAVE BEEN INVESTIGATED FOR REVERSE STRESSES DUE TO ALL UPLIFT FORCES. ADDITIONAL BRIDGING SHALL BE PROVIDED AT THE FIRST INTERIOR BOTTOM CHORD PANEL POINT OF ALL JOISTS SUBJECT TO NET UPLIFT PER STEEL JOIST INSTITUTE.
7. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
8. RAIN LEADER SHOWN THUS  R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
9. FOR PLAN DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
10. SEE PLAN FOR ROOFTOP UNIT PROPERTIES AND MECH. PLANS.
11. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS  ON PLAN.
12. COLUMN DESIGNATIONS SHOWN THUS  ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S801.
13.  DENOTES COLUMN STOP AT THIS LEVEL.
14. FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S102.
15. JOIST MANUFACTURER SHALL DESIGN JOISTS FOR ADDITIONAL LOADS AT LOCATION SHOWN.

NOTE: ROOF STEEL JOIST AND GIRDER SIZE IS SUBJECT TO CHANGE BASED ON ROOF EQUIPM'T (HOOKS, ROOFTOP UNITS ETC.) LOCATION AND LOAD.



CONFORMED SET 09/22/2025

TITLE: **ROOF FRAMING PLAN - AREA B**

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

SHEET: **S204B**  
OF

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE

**CARTAYA & ASSOCIATES**  
ARCHITECTS P.A.  
cartayaandassociates.com

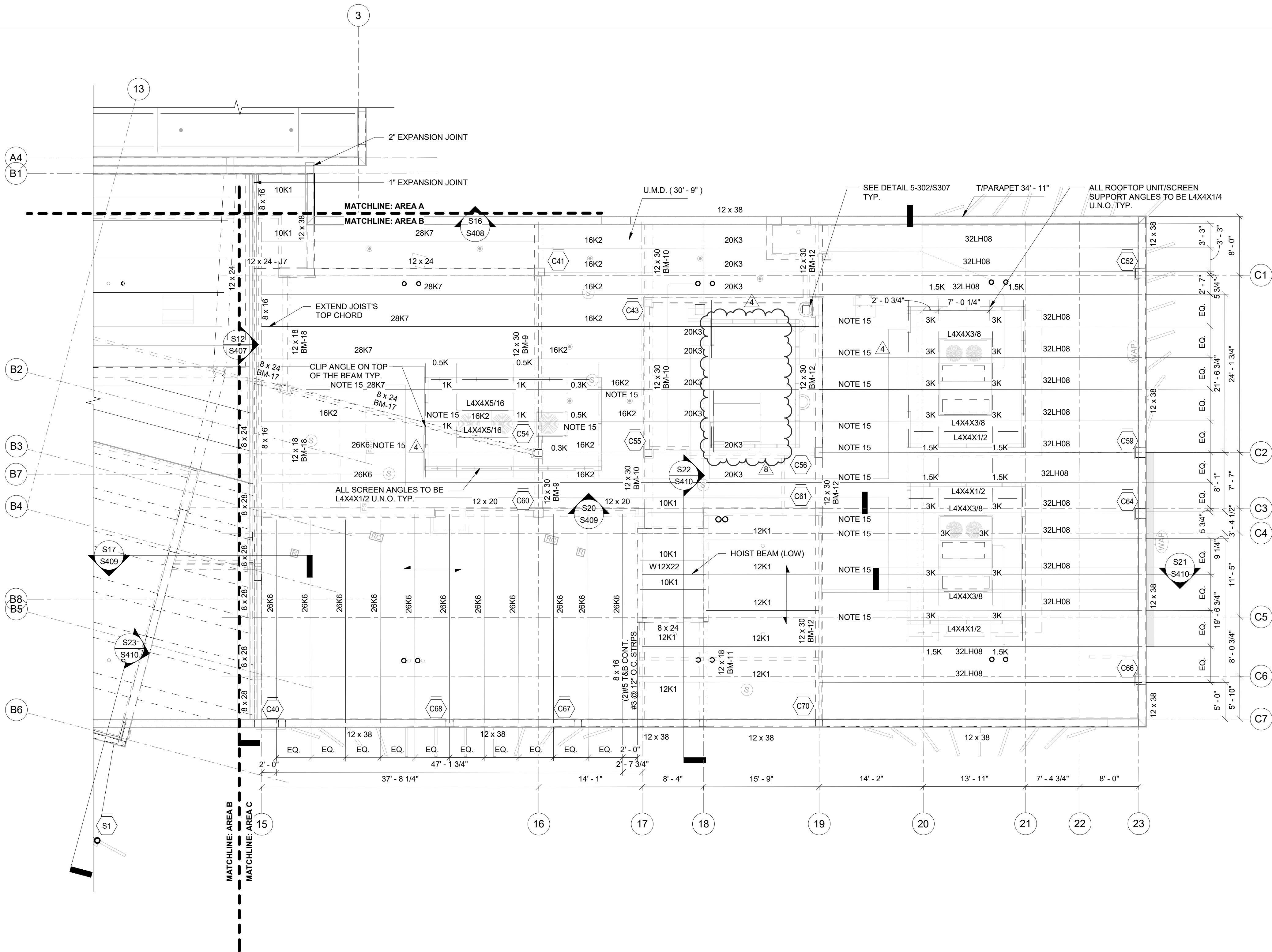
2400 E. COMMERCIAL BLVD. SUITE 210  
FT. LAUDERDALE, FLORIDA 33308  
954-771-2724

**MASTER CONSULTING ENGINEERS, INC.**  
1101 DOWNSIDE DRIVE, SUITE 111  
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P.E. 84262 P.E. 1333-001-51

**PROJECT:**  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

REVISIONS:

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

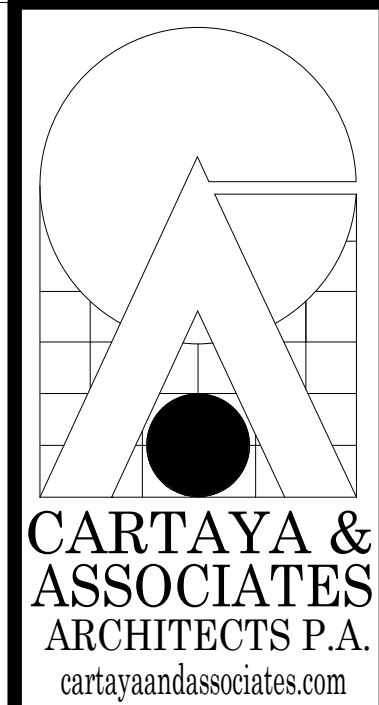


ROOF FRAMING PLAN - AREA C  
SCALE: 1/8" = 1'-0"

ROOF FRAMING NOTES:

1. ROOF FRAMING SHALL BE 1 1/2" - 20 GAGE TYPE "BIA" (WIDE RIB) 80 KSI, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. (U.N.O.).
- 1A. 4 3/4" CONCRETE SLAB W/ #5 REINF. EACH WAY @ 12" O.C. IN THE MIDDLE OF THE SLAB
2. DIRECTION OF METAL DECK SPAN SHOWN THUS ON PLAN.
3. FOR ROOF DRAIN LOCATIONS AND SIZE SEE ARCHITECTURAL DRAWINGS. FOR FRAMING SEE TYPICAL DETAIL 5-302/S307.
4. FOR TYPICAL DETAILS AND GENERAL NOTES SEE DRAWING S101 & S301-S308.
5. ( ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
6. JOIST MANUFACTURER TO DESIGN JOIST FOR THE UPLIFT FORCE SHOWN ON THE LOADING SCHEDULE AND PROVIDE CERTIFICATION THAT CHORD MEMBERS HAVE BEEN INVESTIGATED FOR REVERSE STRESSES DUE TO ALL UPLIFT FORCES. ADDITIONAL BRIDGING SHALL BE PROVIDED AT THE FIRST INTERIOR BOTTOM CHORD PANEL POINT OF ALL JOISTS SUBJECT TO NET UPLIFT PER STEEL JOIST INSTITUTE.
7. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
8. RAIN LEADER SHOWN THUS R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
9. FOR PLAN DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
10. SEE PLAN FOR ROOFTOP UNIT PROPERTIES AND MECH. PLANS.
11. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ON PLAN.
12. COLUMN DESIGNATIONS SHOWN THUS ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S801.
13. DENOTES COLUMN STOP AT THIS LEVEL.
14. FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S102.
15. JOIST MANUFACTURER SHALL DESIGN JOISTS FOR ADDITIONAL LOADS AT LOCATION SHOWN.

NOTE: ROOF STEEL JOIST AND GIRDER SIZE IS SUBJECT TO CHANGE BASED ON ROOF EQUIPENT (HOOKS, ROOFTOP UNITS ETC.) LOCATION AND LOAD.



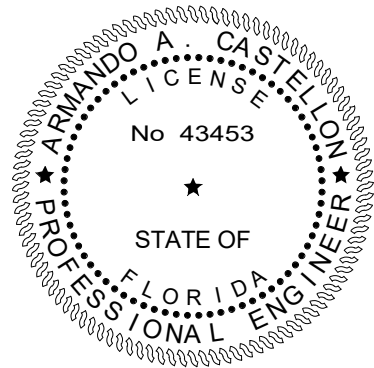
2400 E. COMMERCIAL BLVD. SUITE 210  
FT. LAUDERDALE, FLORIDA 33308  
954-771-2724

MASTER CONSULTING ENGINEERS, INC.  
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FT. LAUDERDALE, FLORIDA 33312  
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DATE: 8/2/20 PROJ. NO. 1333-201-1-1

PROJECT:  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

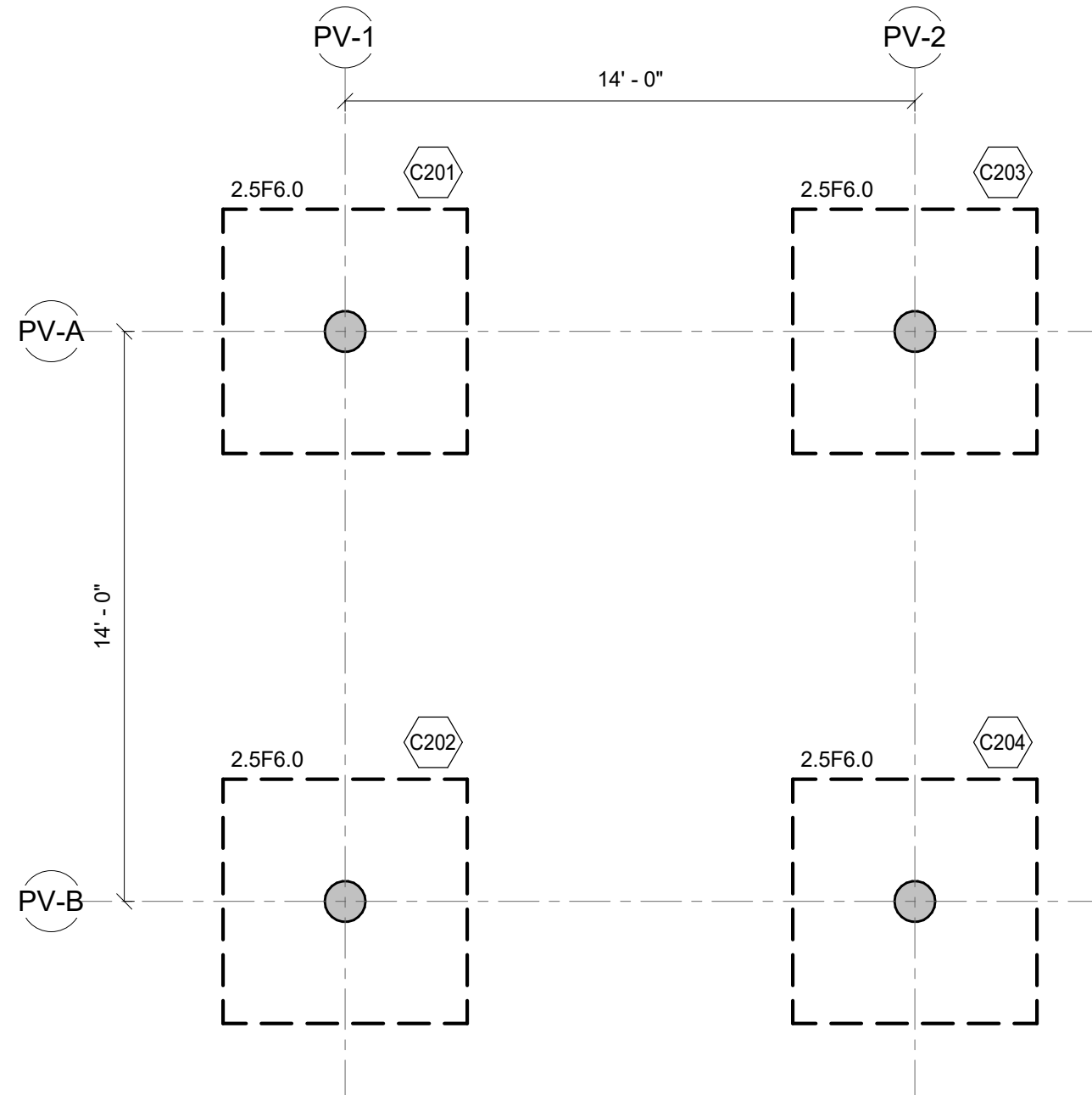
| REVISIONS:                                                 |
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| 1. 02/20/2023 Rev. 4 RESPONSE TO COMMENTS AND CONCURRENCES |
| 2. 02/20/2023 Rev. 5 COMMENTS AND CONCURRENCES             |
| 3. 02/20/2023 Rev. 6 COMMENTS AND CONCURRENCES             |
| 4. 02/20/2023 Rev. 7 COMMENTS AND CONCURRENCES             |
| 5. 02/20/2023 Rev. 8 COMMENTS AND CONCURRENCES             |
| 6. 02/20/2023 Rev. 9 COMMENTS AND CONCURRENCES             |
| 7. 02/20/2023 Rev. 10 COMMENTS AND CONCURRENCES            |
| 8. 02/20/2023 Rev. 11 COMMENTS AND CONCURRENCES            |
| 9. 02/20/2023 Rev. 12 COMMENTS AND CONCURRENCES            |
| 10. 02/20/2023 Rev. 13 COMMENTS AND CONCURRENCES           |
| 11. 02/20/2023 Rev. 14 COMMENTS AND CONCURRENCES           |
| 12. 02/20/2023 Rev. 15 COMMENTS AND CONCURRENCES           |
| 13. 02/20/2023 Rev. 16 COMMENTS AND CONCURRENCES           |
| 14. 02/20/2023 Rev. 17 COMMENTS AND CONCURRENCES           |
| 15. 02/20/2023 Rev. 18 COMMENTS AND CONCURRENCES           |
| 16. 02/20/2023 Rev. 19 COMMENTS AND CONCURRENCES           |
| 17. 02/20/2023 Rev. 20 COMMENTS AND CONCURRENCES           |
| 18. 02/20/2023 Rev. 21 COMMENTS AND CONCURRENCES           |
| 19. 02/20/2023 Rev. 22 COMMENTS AND CONCURRENCES           |
| 20. 02/20/2023 Rev. 23 COMMENTS AND CONCURRENCES           |
| 21. 02/20/2023 Rev. 24 COMMENTS AND CONCURRENCES           |
| 22. 02/20/2023 Rev. 25 COMMENTS AND CONCURRENCES           |
| 23. 02/20/2023 Rev. 26 COMMENTS AND CONCURRENCES           |
| 24. 02/20/2023 Rev. 27 COMMENTS AND CONCURRENCES           |
| 25. 02/20/2023 Rev. 28 COMMENTS AND CONCURRENCES           |
| 26. 02/20/2023 Rev. 29 COMMENTS AND CONCURRENCES           |
| 27. 02/20/2023 Rev. 30 COMMENTS AND CONCURRENCES           |
| 28. 02/20/2023 Rev. 31 COMMENTS AND CONCURRENCES           |
| 29. 02/20/2023 Rev. 32 COMMENTS AND CONCURRENCES           |
| 30. 02/20/2023 Rev. 33 COMMENTS AND CONCURRENCES           |
| 31. 02/20/2023 Rev. 34 COMMENTS AND CONCURRENCES           |
| 32. 02/20/2023 Rev. 35 COMMENTS AND CONCURRENCES           |
| 33. 02/20/2023 Rev. 36 COMMENTS AND CONCURRENCES           |
| 34. 02/20/2023 Rev. 37 COMMENTS AND CONCURRENCES           |
| 35. 02/20/2023 Rev. 38 COMMENTS AND CONCURRENCES           |
| 36. 02/20/2023 Rev. 39 COMMENTS AND CONCURRENCES           |
| 37. 02/20/2023 Rev. 40 COMMENTS AND CONCURRENCES           |
| 38. 02/20/2023 Rev. 41 COMMENTS AND CONCURRENCES           |
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| 40. 02/20/2023 Rev. 43 COMMENTS AND CONCURRENCES           |
| 41. 02/20/2023 Rev. 44 COMMENTS AND CONCURRENCES           |
| 42. 02/20/2023 Rev. 45 COMMENTS AND CONCURRENCES           |
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| 89. 02/20/2023 Rev. 92 COMMENTS AND CONCURRENCES           |
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| 91. 02/20/2023 Rev. 94 COMMENTS AND CONCURRENCES           |
| 92. 02/20/2023 Rev. 95 COMMENTS AND CONCURRENCES           |
| 93. 02/20/2023 Rev. 96 COMMENTS AND CONCURRENCES           |
| 94. 02/20/2023 Rev. 97 COMMENTS AND CONCURRENCES           |
| 95. 02/20/2023 Rev. 98 COMMENTS AND CONCURRENCES           |
| 96. 02/20/2023 Rev. 99 COMMENTS AND CONCURRENCES           |
| 97. 02/20/2023 Rev. 100 COMMENTS AND CONCURRENCES          |

CONFORMED SET 09/22/2025  
TITLE: ROOF FRAMING PLAN - AREA C  
DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC  
JOB NO: 2122

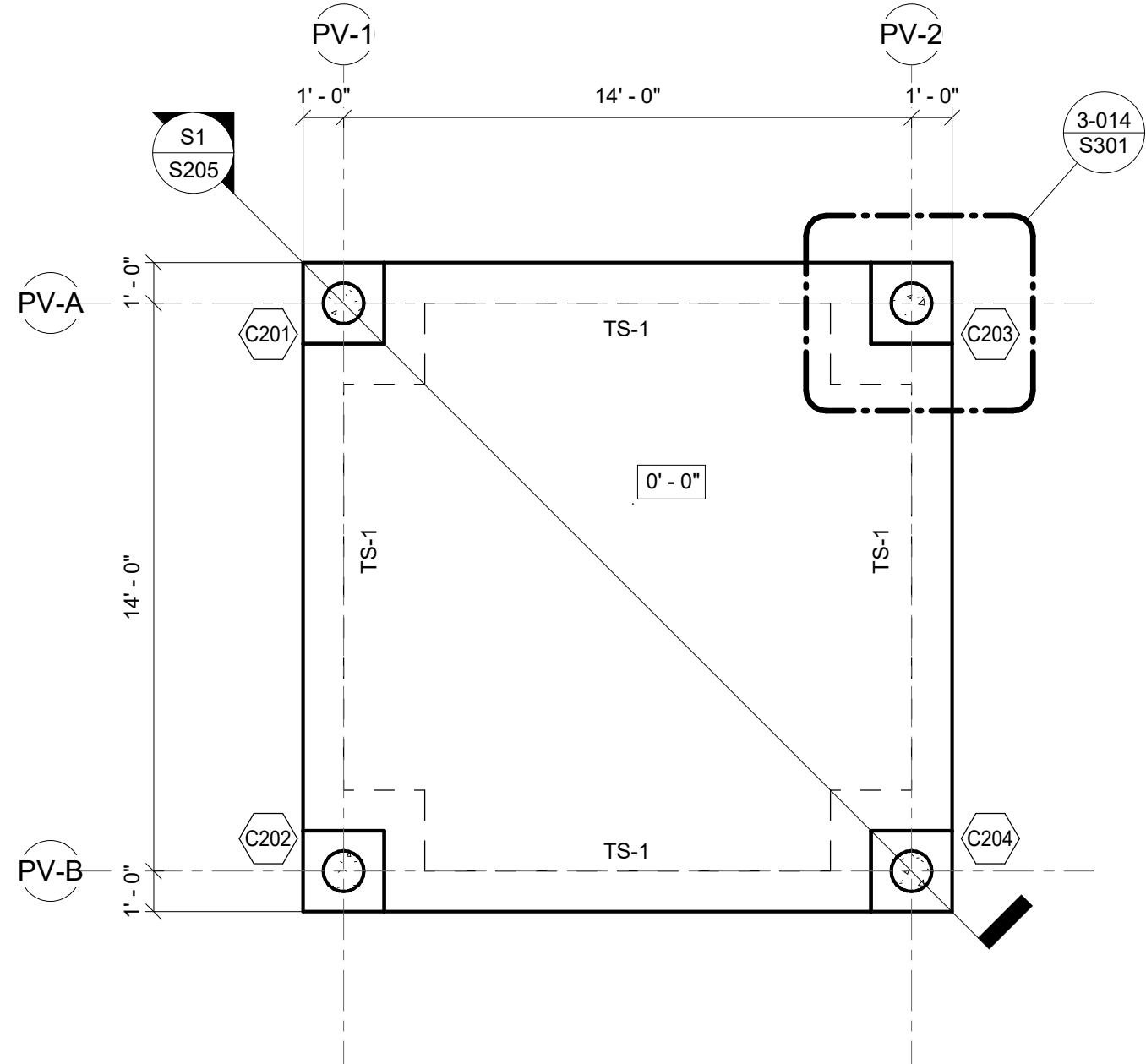


SHEET: S204C  
OF

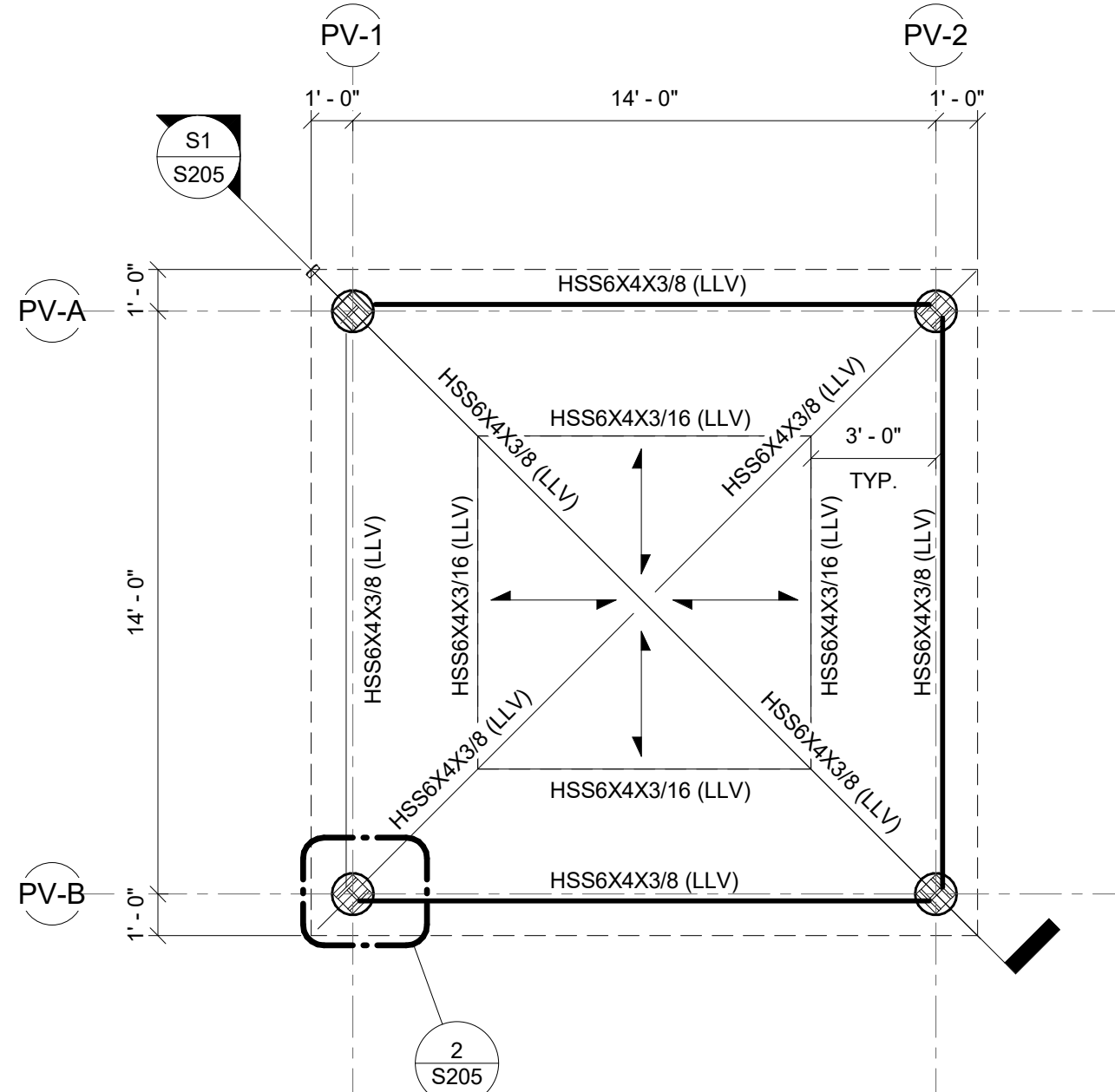
TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



FOUNDATION PLAN - PAVILION  
SCALE: 1/4" = 1'-0"



SLAB ON GRADE PLAN - PAVILION  
SCALE: 1/4" = 1'-0"



ROOF FRAMING PLAN - PAVILION  
SCALE: 1/4" = 1'-0"

NOTE:  
3 TYPICAL PAVILIONS. SEE SITE PLAN FOR  
PLACEMENT OF OTHER PAVILIONS.

FOUNDATION PLAN NOTES:

- FOR TYPICAL DETAILS, SEE DRAWINGS S301 & S308.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
- ( ) DENOTES TOP OF FOOTING ELEVATION.
- TOP OF FOOTING: TYPICAL U.N.O. ELEVATION @ INTERIOR = (-1' - 4") TYPICAL U.N.O. ELEVATION @ EXTERIOR = (-1' - 4") TYPICAL U.N.O.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- COLUMN DESIGNATION SHOWN THUS ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601.

T/COLUMN ELEVATION  
C1 COLUMN TYPE  
CARRIED COLUMN

SLAB ON GRADE PLAN NOTES:

- SLAB ON GRADE TO BE 4" THICK CONCRETE OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS PER GEOTECHNICAL REPORT REINFORCED WITH 4x4xW4.0xW4.0 W.W.F. (FLAT SHEETS) CENTERED IN SLAB.
- SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0"(±) O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
- VAPOR BARRIER REQUIREMENTS/APPLICATION/INSTALLATION SHALL BE DONE AS PER ARCHITECTURAL OR MOISTURE CONSULTANT DOCUMENTS AND RECOMMENDATIONS. IF NONE ARE AVAILABLE, AT A MINIMUM THE FOLLOWING RECOMMENDATIONS SHALL BE FOLLOWED.
  - VAPOR BARRIER SHALL CONFORM TO ASTM E-1745, MEETS OR EXCEEDS CLASS "B".
  - VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643-98.
  - UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
  - LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
  - OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
  - SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
  - NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
  - REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
- TOP OF SLAB ELEVATION SHOWN THUS ON PLAN EQUALS REFERENCE EL., FOR ACTUAL EL., SEE CIVIL DRAWINGS.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.

ROOF FRAMING NOTES:

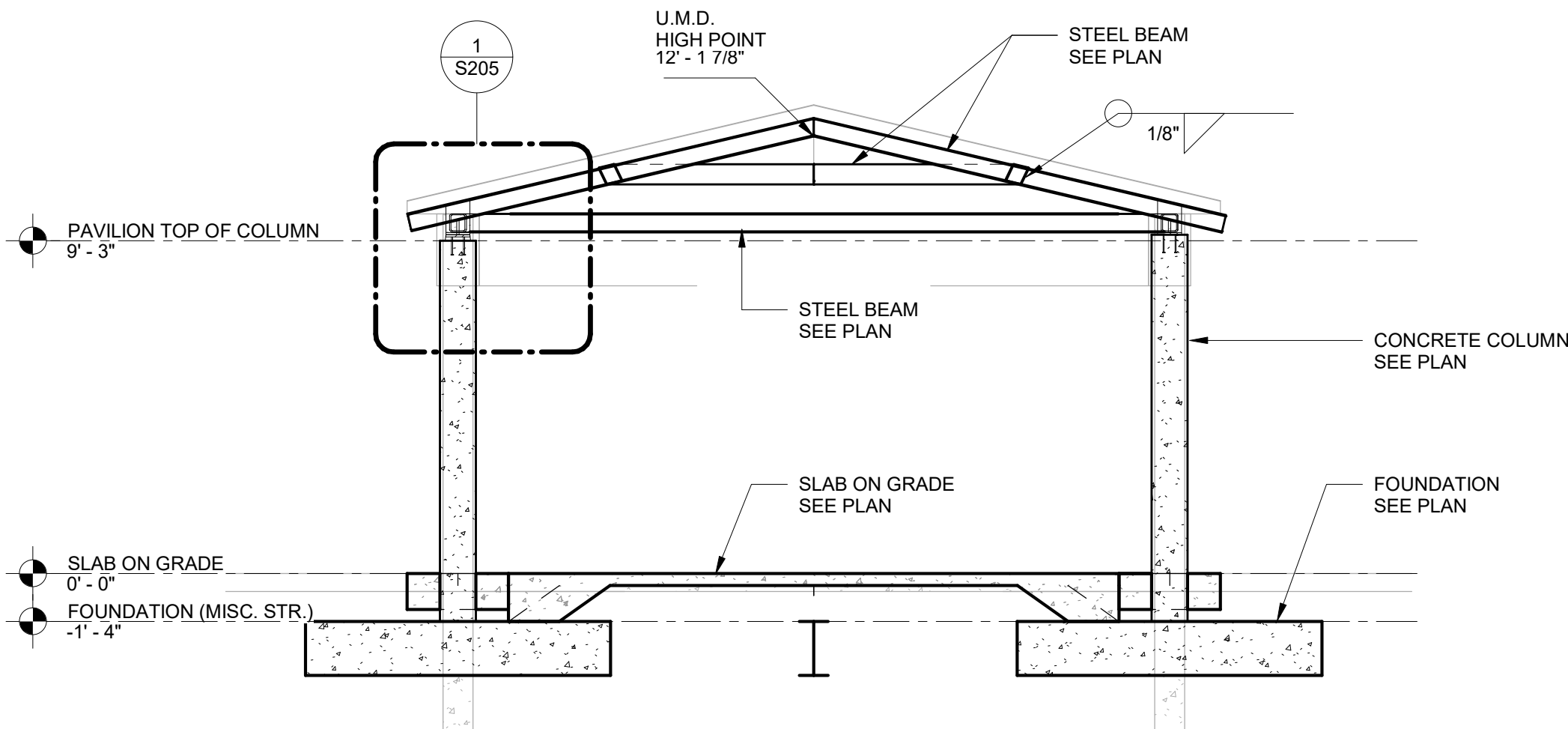
- ROOF FRAMING SHALL BE 1 1/2" - 20 GAGE TYPE "B" (WIDE RIB) 80 KSI, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. (U.N.O.).
- DIRECTION OF METAL DECK SPAN SHOWN THUS ON PLAN.
- FOR ROOF DRAIN LOCATIONS AND SIZE SEE ARCHITECTURAL DRAWINGS. FOR FRAMING SEE TYPICAL DETAIL S-302/S306.
- FOR TYPICAL DETAILS AND GENERAL NOTES SEE DRAWING S101 & S301-S308.
- ( ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
- PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ON PLAN.
- COLUMN DESIGNATIONS SHOWN THUS ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S601.
- ( ) DENOTES COLUMN STOP AT THIS LEVEL.
- FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S102.

COLUMN FOOTING SCHEDULE - PAVILLON

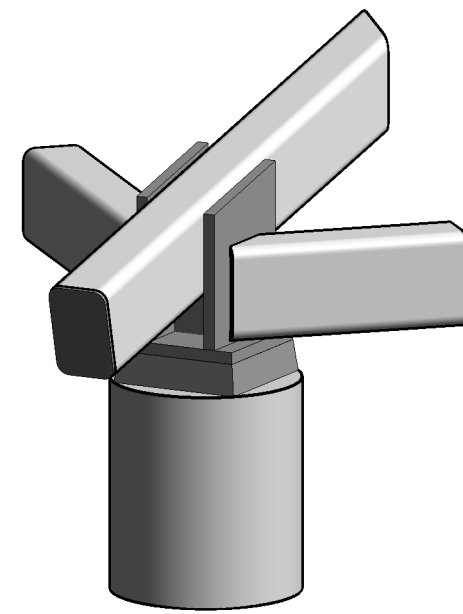
| MARK*   | LENGTH  | WIDTH   | THICKNESS | TOP & BOT. REINF. EA. WAY U.N.O. | REMARKS      |
|---------|---------|---------|-----------|----------------------------------|--------------|
| 2.5F6.0 | 6' - 0" | 6' - 0" | 1' - 6"   | 6-#6                             | STD ACI HOOK |

THICKENED SLAB SCHEDULE

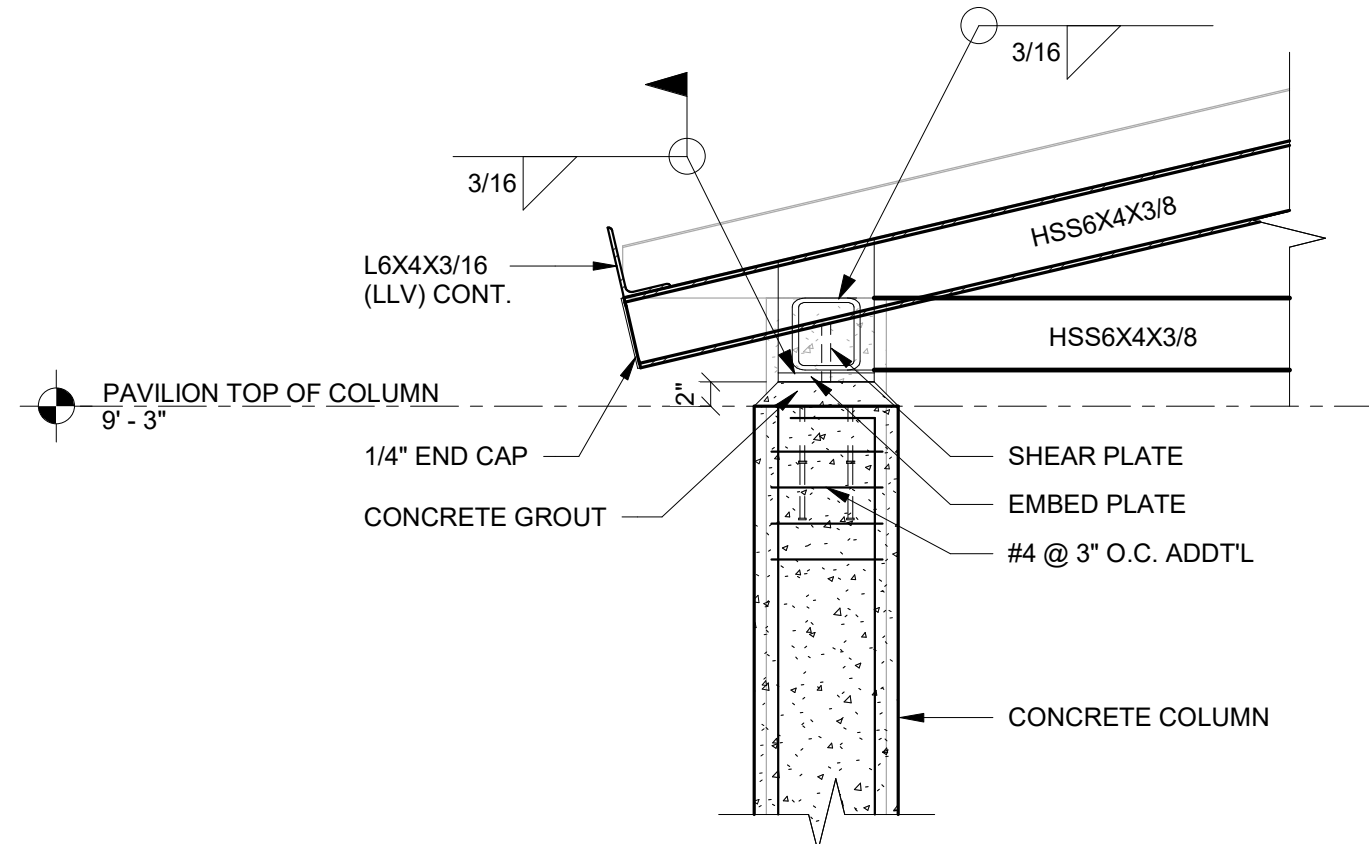
| MARK* | SIZE            | THICKNESS | TOP & BOT. REINF. CONT. | TOP & BOT. REINF. TRANSV. | REMARKS                           |
|-------|-----------------|-----------|-------------------------|---------------------------|-----------------------------------|
| TS-1  | 1' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-1A | 1' - 0" x CONT. | 1' - 0"   | (2)-#5                  | #4 @ 24" O.C.             | TO BE USED ON INTERIOR AREAS ONLY |
| TS-2  | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-2A | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |
| TS-3  | 4' - 0" x CONT. | 1' - 6"   | (4)-#6                  | #6 @ 12" O.C.             |                                   |
| TS-4  |                 |           |                         |                           |                                   |
| TS-5  | 3' - 5" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |                                   |



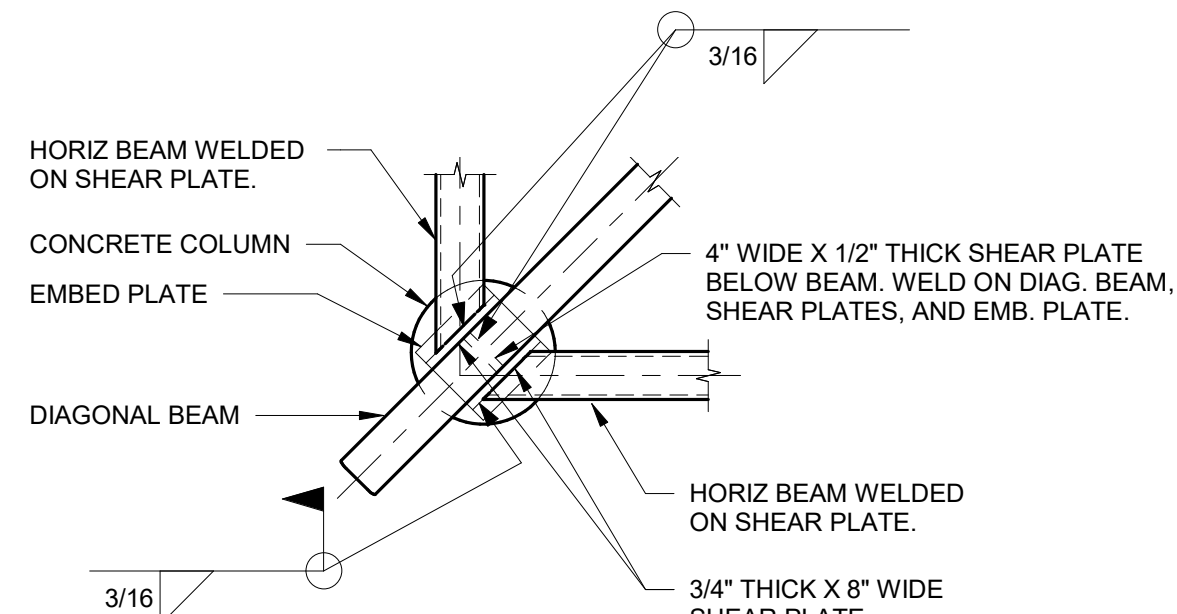
S1 SECTION 1  
SCALE: 1/4" = 1'-0"



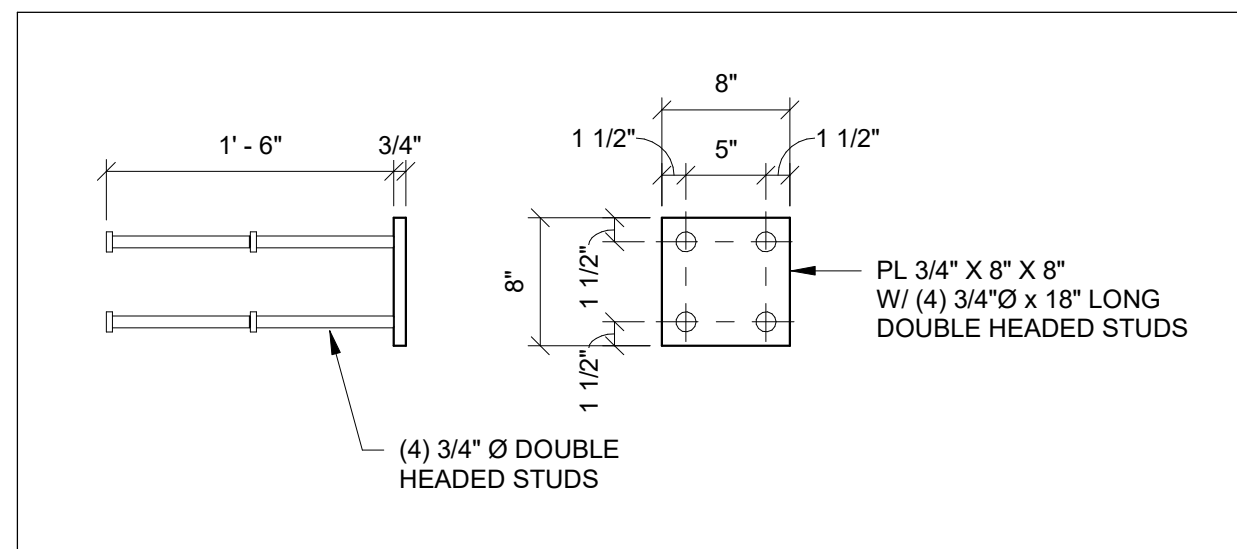
DETAIL 1 - 3D VIEW  
SCALE:



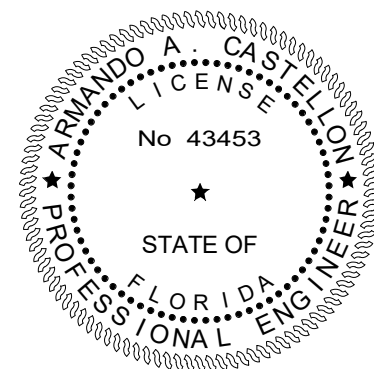
1 DETAIL 1  
SCALE: 3/4" = 1'-0"



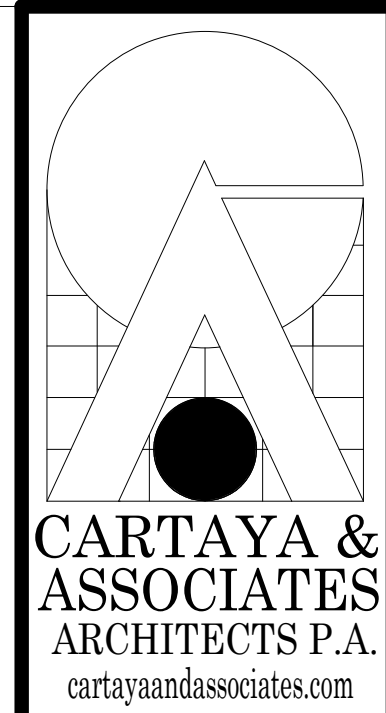
2 DETAIL 2  
SCALE: 3/4" = 1'-0"



EMBED PLATE DETAILS  
SCALE: 1" = 1'-0"



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954-771-2724



CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:

TITLE: MISCELLANEOUS  
STRUCTURE - PAVILLON

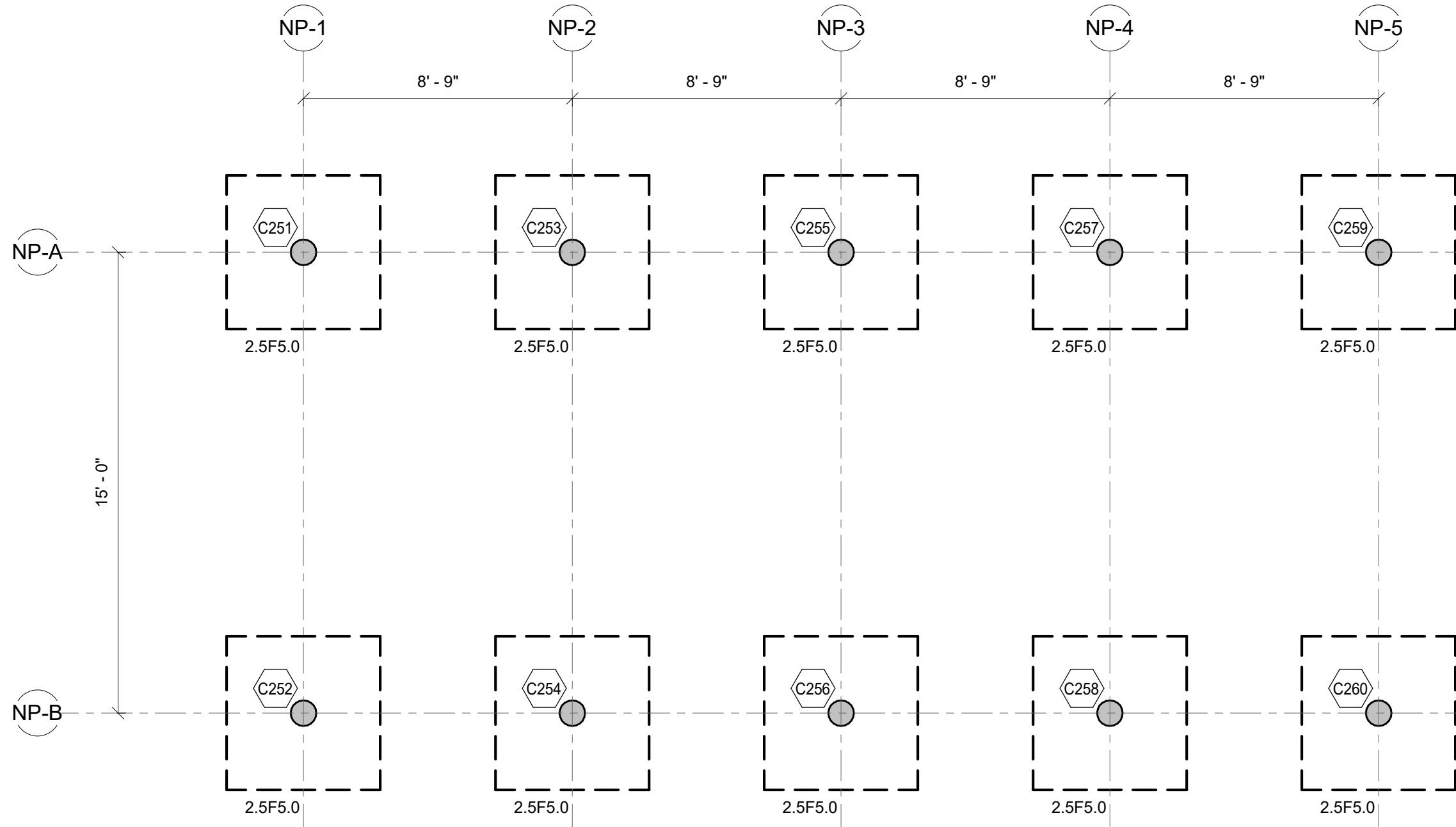
DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO:  
2122

SHEET:

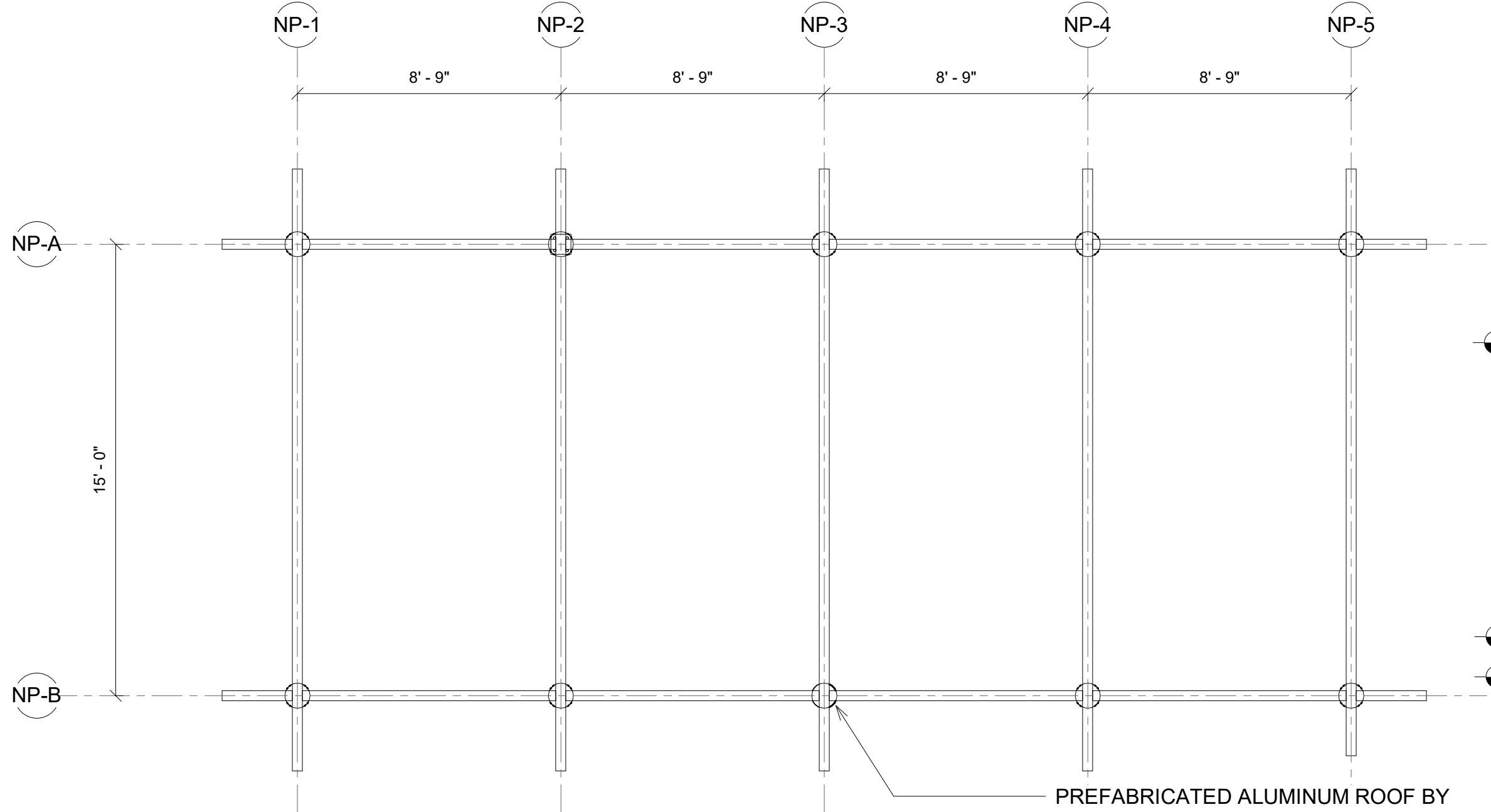
S205  
OF

CONFORMED SET 09/22/2025



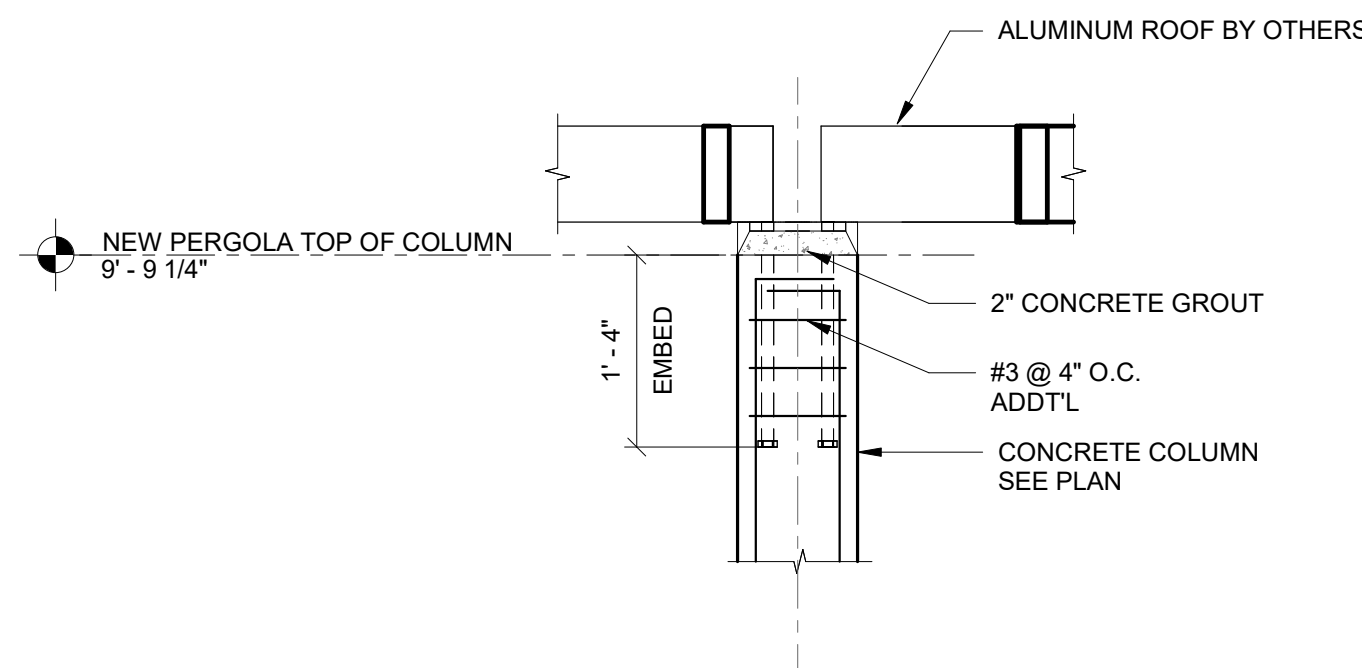
FOUNDATION PLAN - NEW PERGOLA

SCALE: 1/4" = 1'-0"



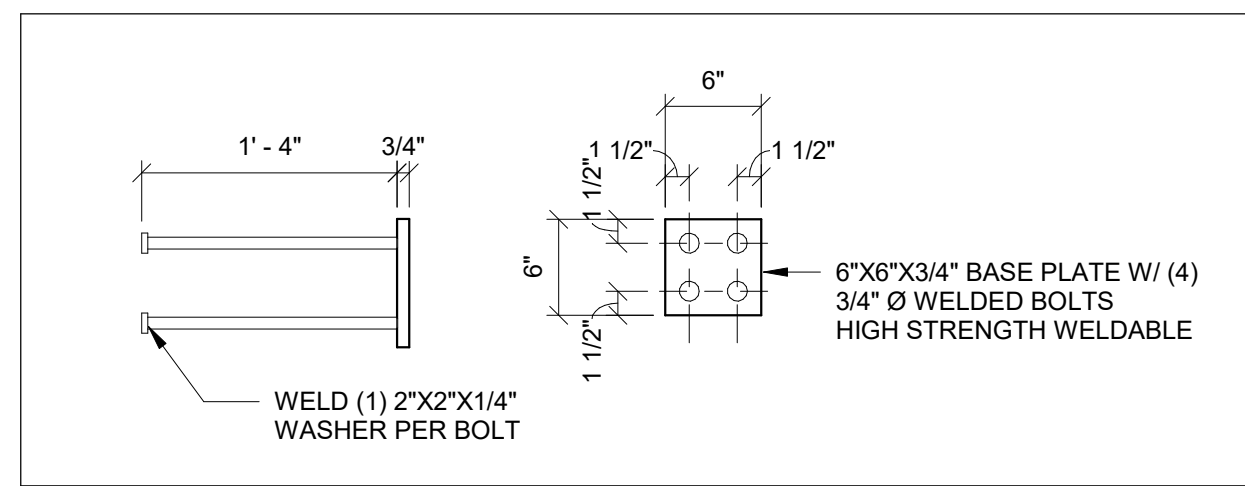
ROOF FRAMING PLAN - NEW PERGOLA

SCALE: 1/4" = 1'-0"



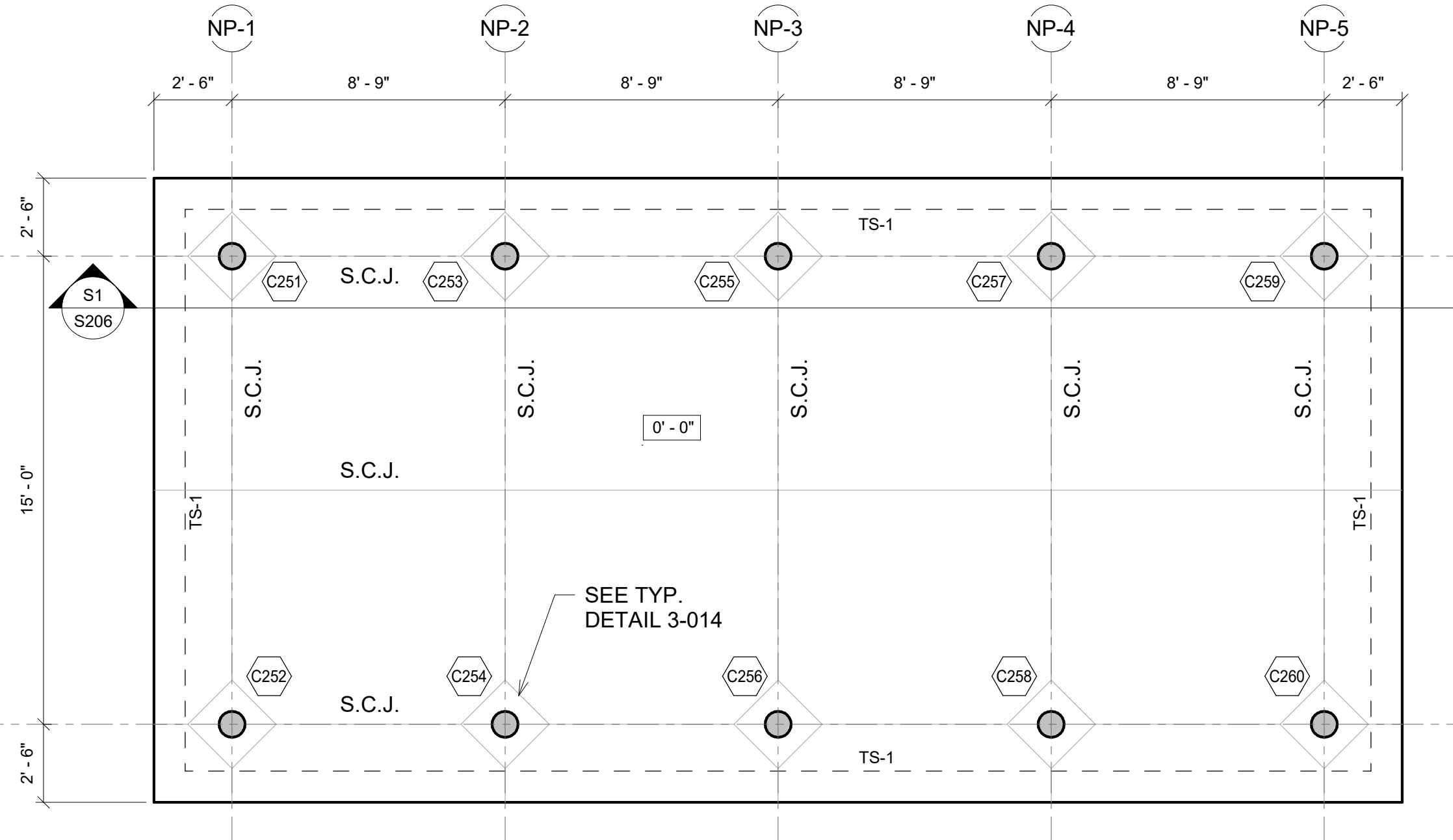
DETAIL 1

SCALE: 3/4" = 1'-0"



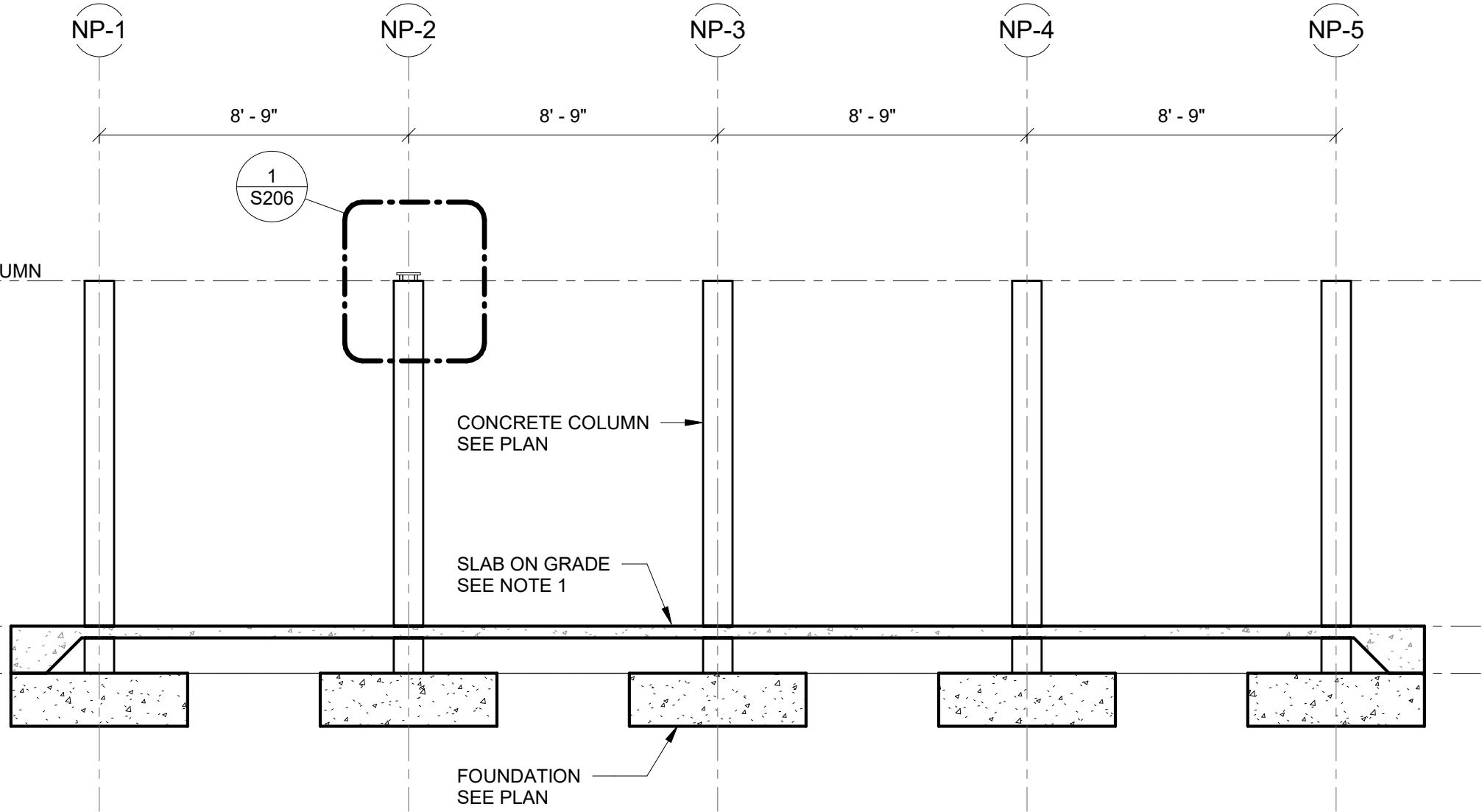
BASEPLATE DETAILS

SCALE: 1" = 1'-0"



SLAB ON GRADE PLAN - NEW PERGOLA

SCALE: 1/4" = 1'-0"

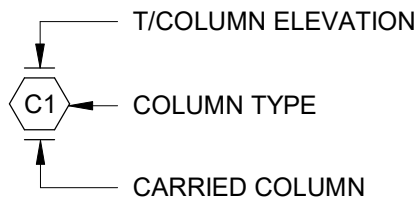


SECTION 1

SCALE: 1/4" = 1'-0"

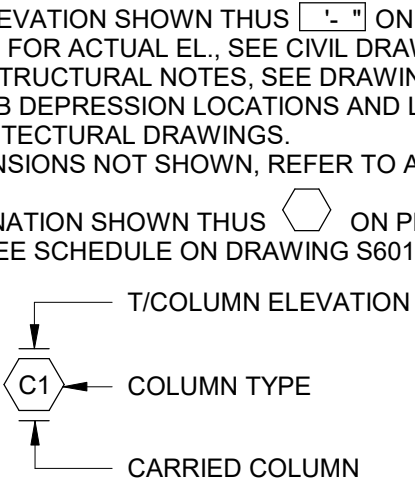
FOUNDATION PLAN NOTES:

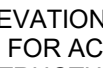
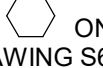
- FOR TYPICAL DETAILS, SEE DRAWINGS S301 & S308.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
- ( ) DENOTES TOP OF FOOTING ELEVATION.
- TOP OF FOOTING: ELEVATION @ INTERIOR = (-1' - 4") TYPICAL U.N.O. ELEVATION @ EXTERIOR = (-1' - 4") TYPICAL U.N.O.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- COLUMN DESIGNATION SHOWN THUS  ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601.



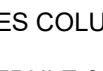
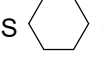
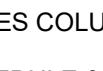
SLAB ON GRADE PLAN NOTES:

- SLAB ON GRADE TO BE 4" THICK CONCRETE OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS PER GEOTECHNICAL REPORT REINFORCED WITH 4#X4#4.0W4.0 W.W.F. (FLAT SHEETS) CENTERED IN SLAB.
- SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0" (4) O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
- VAPOR BARRIER REQUIREMENTS/APPLICATION/INSTALLATION SHALL BE DONE AS PER ARCHITECTURAL OR MOISTURE CONSULTANT DOCUMENTS AND RECOMMENDATIONS. IF NONE ARE AVAILABLE, AT A MINIMUM THE FOLLOWING RECOMMENDATIONS SHALL BE FOLLOWED.
  - VAPOR BARRIER SHALL CONFORM TO ASTM E-1745, MEETS OR EXCEEDS CLASS "B".
  - VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643-98.
  - UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
  - LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
  - OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
  - SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
  - NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
  - REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.



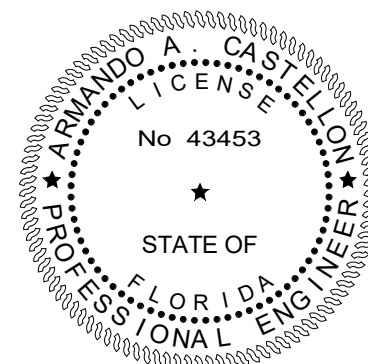
- TOP OF SLAB ELEVATION SHOWN THUS  ON PLAN EQUALS REFERENCE EL., FOR ACTUAL EL., SEE CIVIL DRAWINGS.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- COLUMN DESIGNATION SHOWN THUS  ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601.

ROOF FRAMING NOTES:

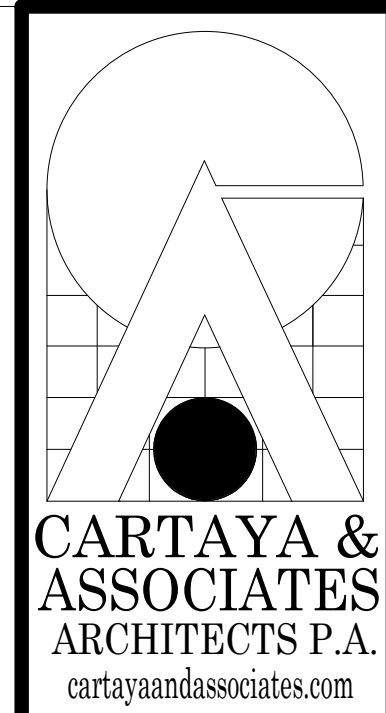
- ALUMINUM ROOF FRAMING BY OTHERS.
- FOR ROOF DRAIN LOCATIONS AND SIZE SEE ARCHITECTURAL DRAWINGS. FOR FRAMING SEE TYPICAL DETAIL 5-302/S306.
- FOR TYPICAL DETAILS AND GENERAL NOTES SEE DRAWING S101 & S301-S308.
- PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS  ON PLAN.
- COLUMN DESIGNATIONS SHOWN THUS  ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S601.
-  DENOTES COLUMN STOP AT THIS LEVEL.
- FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S102.

THICKENED SLAB SCHEDULE

| MARK*   | SIZE            | THICKNESS | TOP & BOTT. REINF. CONT. | TOP & BOTT. REINF. TRANSV. | REMARKS                           |
|---------|-----------------|-----------|--------------------------|----------------------------|-----------------------------------|
| TS-1    | 1' - 0" x CONT. | 1' - 4"   | (2)-#5                   | N/A                        | TO BE USED ON INTERIOR AREAS ONLY |
| TS-1A   | 1' - 0" x CONT. | 1' - 0"   | (2)-#5                   | #4 @ 24" O.C.              |                                   |
| TS-2    | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                   | N/A                        |                                   |
| TS-2A   | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                   | N/A                        | TO BE USED ON INTERIOR AREAS ONLY |
| TS-3    | 4' - 0" x CONT. | 1' - 6"   | (4)-#5                   | #6 @ 12" O.C.              |                                   |
| TS-4    |                 |           | TOP & BOTT. REINF. *     |                            |                                   |
| MARK*   | LENGTH          | WIDTH     | THICKNESS                | # EA. WAY U.N.O.           | REMARKS                           |
| 2.5F5.0 | 5' - 0"         | 5' - 0"   | 1' - 6"                  | 5-#7                       | STD ACI HOOK                      |



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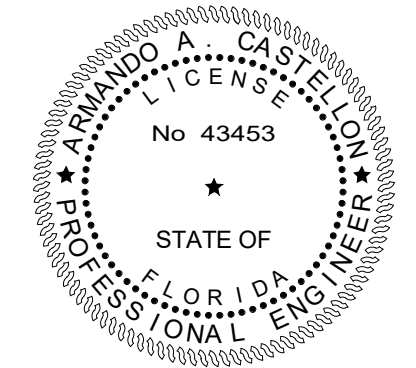
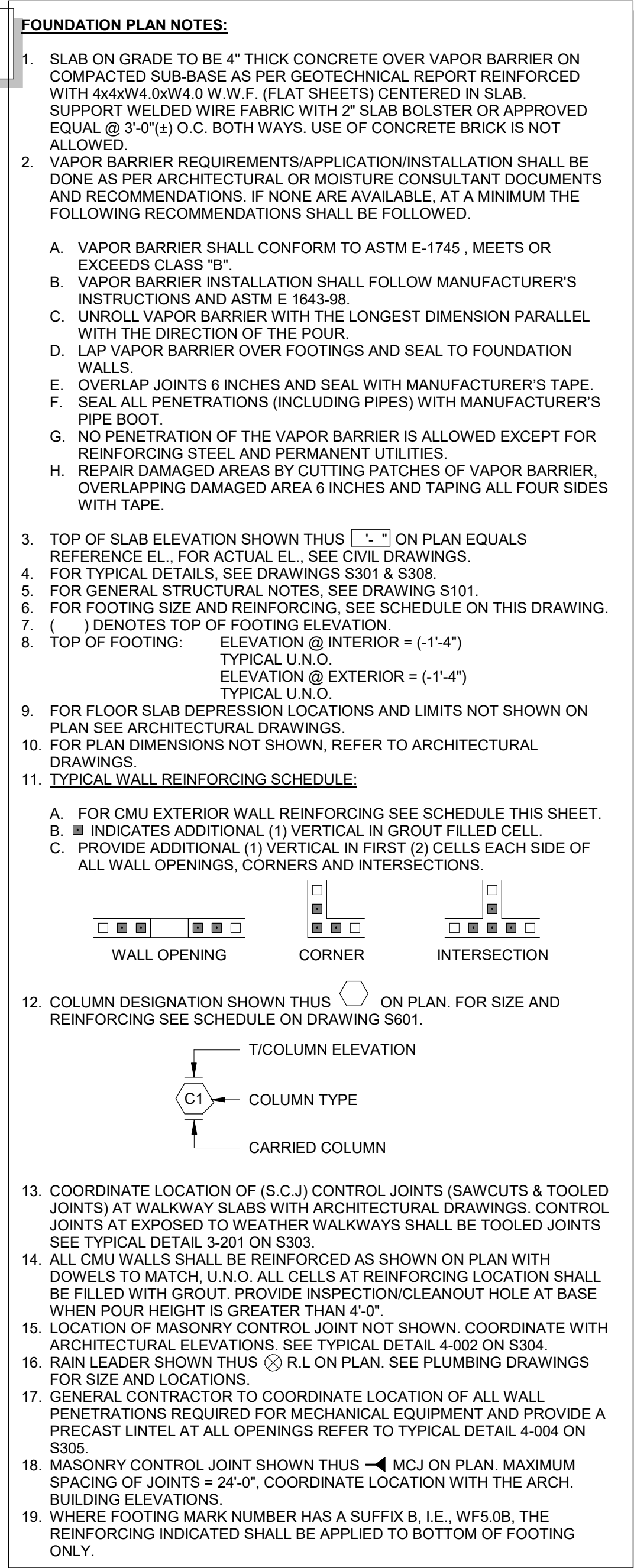


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FL 33444  
EL 33444

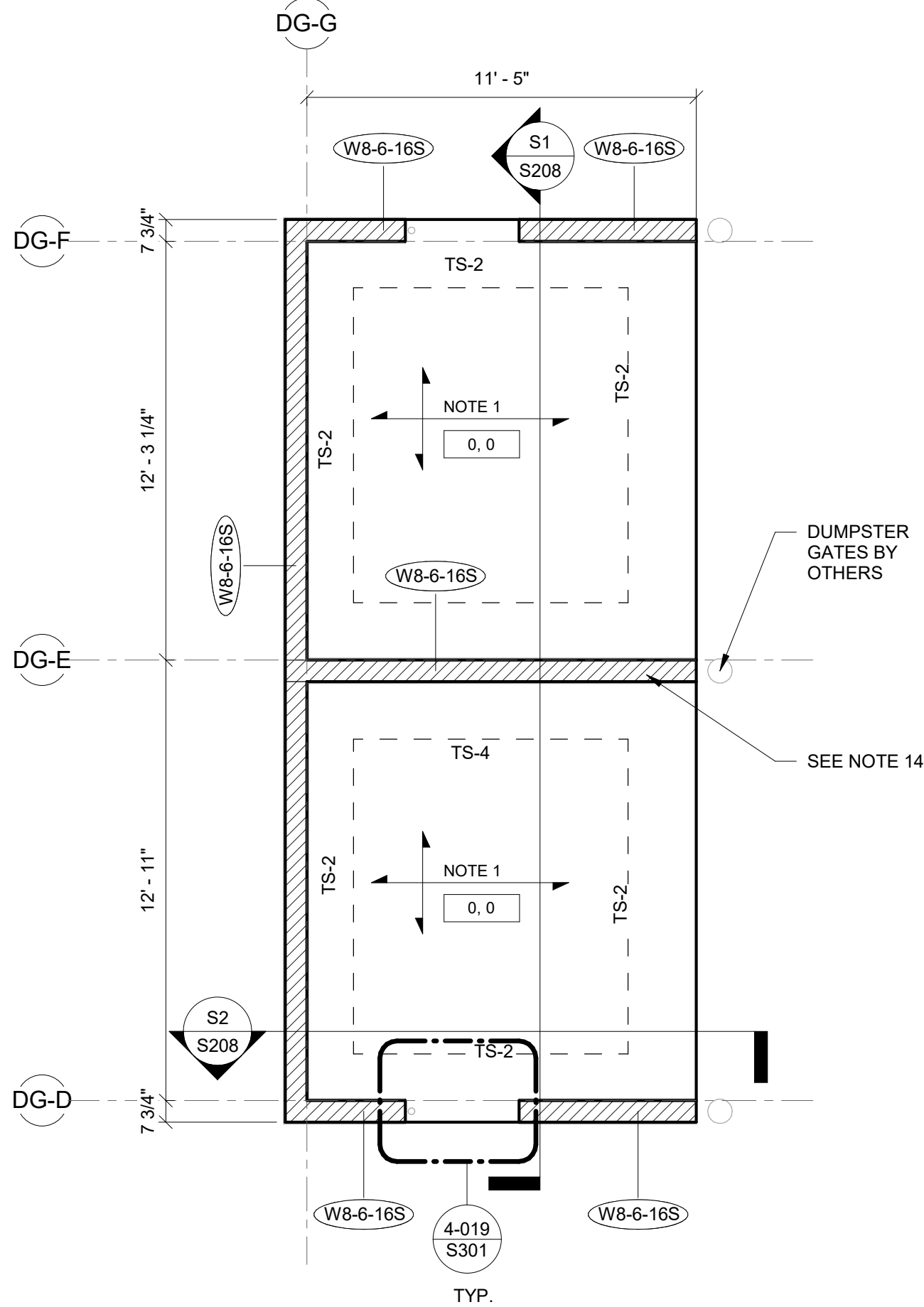
PROJECT:

REVISIONS:

CONFORMED SET 09/22/2025  
TITLE: MISCELLANEOUS  
STRUCTURE - NEW PERGOLA  
JOB NO: 2122  
DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC  
SHEET: S206  
OF

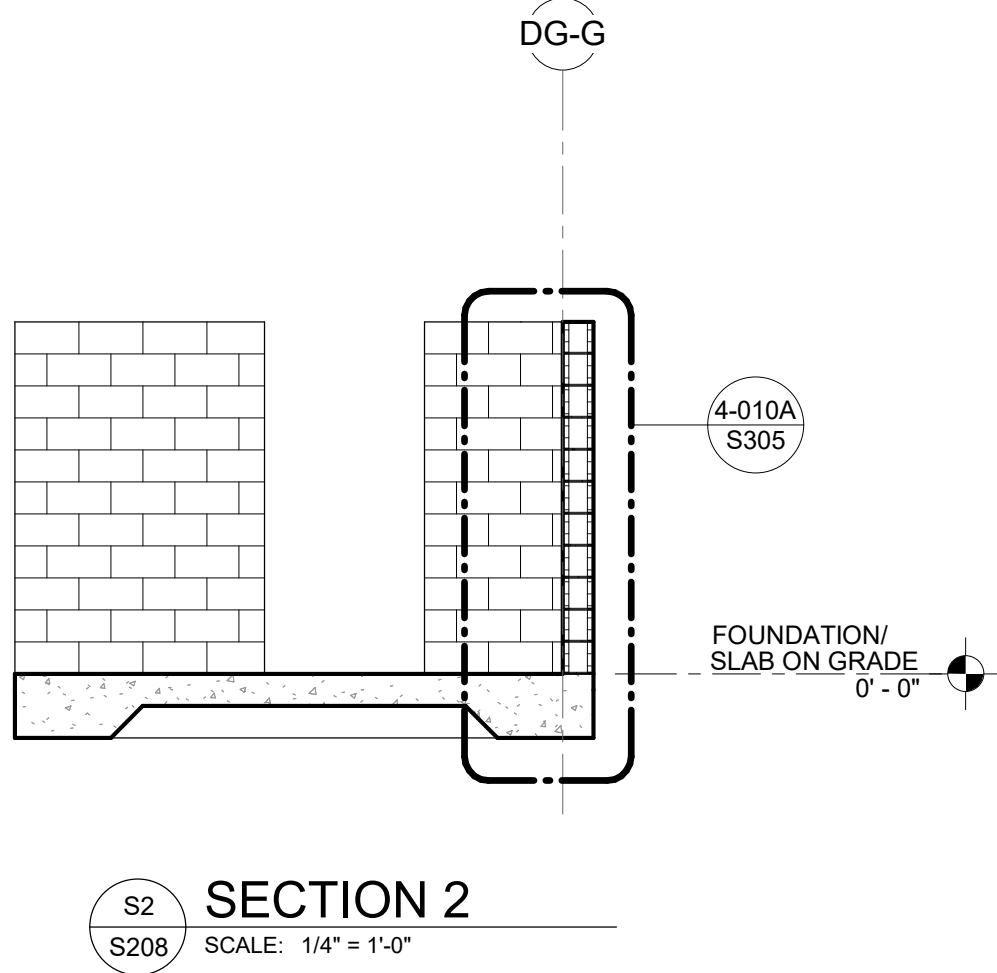
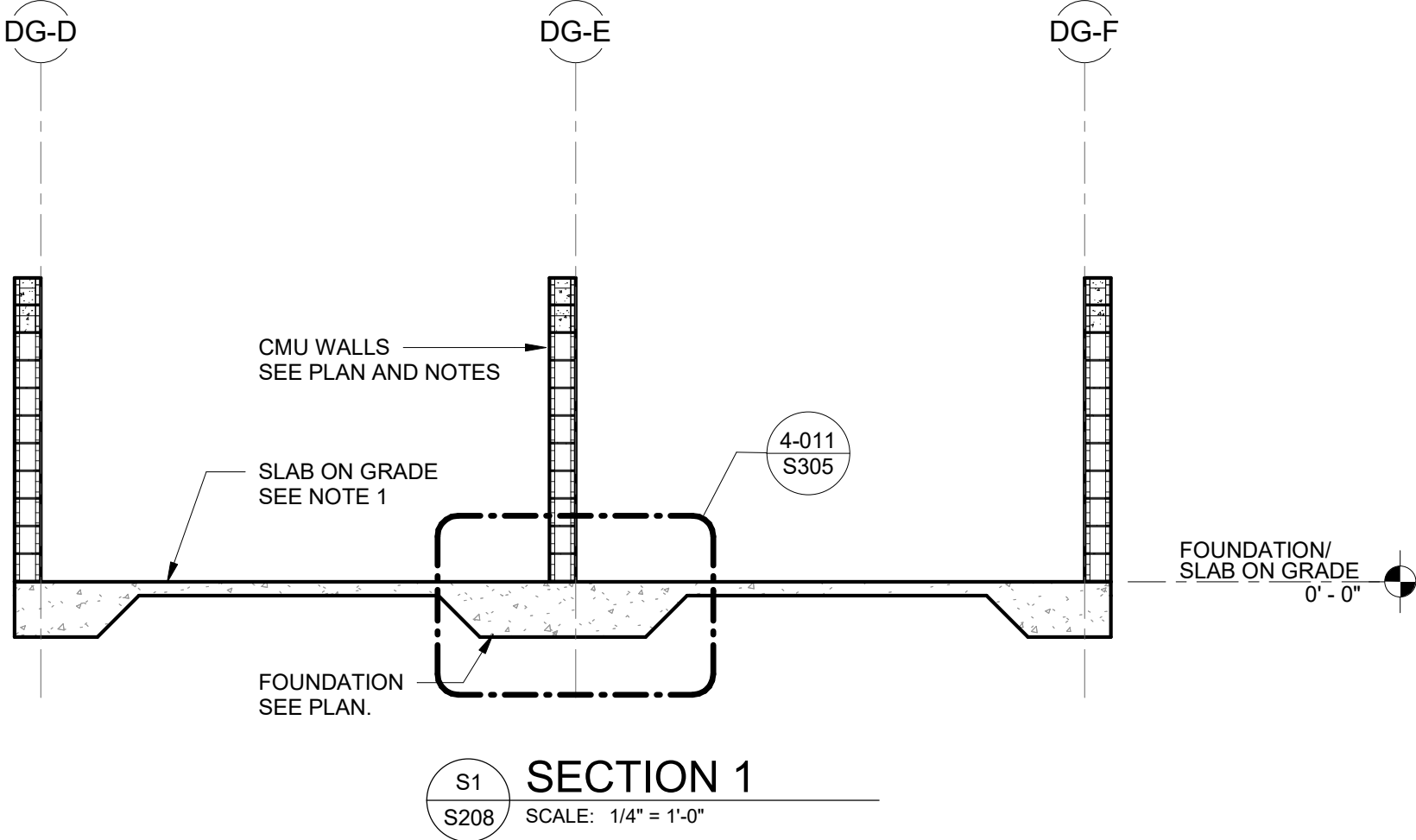


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FOUNDATION/SLAB ON GRADE PLAN - DUMPSTER ENCLOSURE

SCALE: 1/4" = 1'-0"



FOUNDATION PLAN NOTES:

- SLAB ON GRADE TO BE 5" THICK CONCRETE OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS PER GEOTECHNICAL REPORT REINFORCED WITH 4x4xW4.0xW4.0 W.W.F. (FLAT SHEETS) CENTERED IN SLAB. SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0"(±) O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
- VAPOR BARRIER REQUIREMENTS/APPLICATION/INSTALLATION SHALL BE DONE AS PER ARCHITECTURAL OR MOISTURE CONSULTANT DOCUMENTS AND RECOMMENDATIONS. IF NONE ARE AVAILABLE, AT A MINIMUM THE FOLLOWING RECOMMENDATIONS SHALL BE FOLLOWED.
  - VAPOR BARRIER SHALL CONFORM TO ASTM E-1745, MEETS OR EXCEEDS CLASS "B".
  - VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643-98.
  - UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
  - LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
  - OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
  - SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
  - NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
  - REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
- TOP OF SLAB ELEVATION SHOWN THUS  $\square \cdot \square$  ON PLAN EQUALS REFERENCE EL., FOR ACTUAL EL., SEE CIVIL DRAWINGS.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
  - FOR CMU EXTERIOR WALL REINFORCING SEE SCHEDULE THIS SHEET.
  - INDICATES ADDITIONAL (1) VERTICAL IN GROUT FILLED CELL.
- PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.

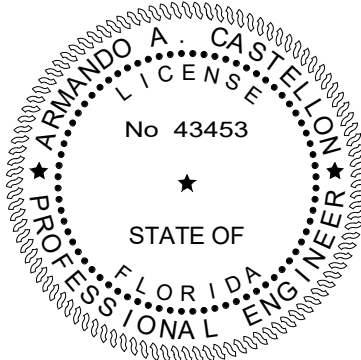
WALL OPENING

CORNER

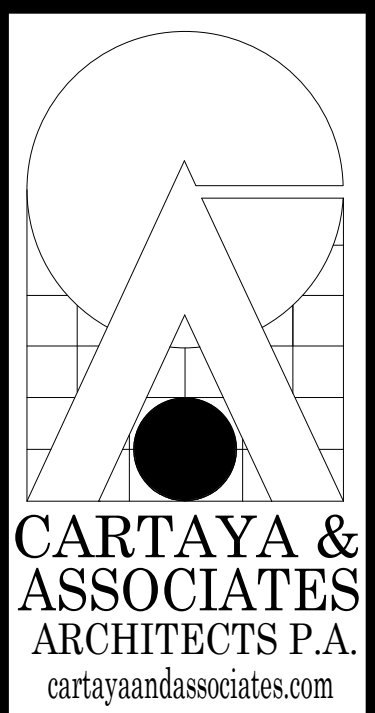
INTERSECTION
- COORDINATE LOCATION OF (S.C.J.) CONTROL JOINTS (SAWCUTS & TOOLED JOINTS) AT WALKWAY SLABS WITH ARCHITECTURAL DRAWINGS. CONTROL JOINTS AT EXPOSED TO WEATHER WALKWAYS SHALL BE TOOLED JOINTS SEE TYPICAL DETAIL 3-201 ON S303.
- ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON PLAN WITH DOWELS TO MATCH. U.N.O. ALL CELLS AT REINFORCING LOCATION SHALL BE FILLED WITH GROUT. PROVIDE INSPECTION/CLEANOUT HOLE AT BASE WHEN POUR HEIGHT IS GREATER THAN 4'-0".
- LOCATION OF MASONRY CONTROL JOINT NOT SHOWN. COORDINATE WITH ARCHITECTURAL ELEVATIONS. SEE TYPICAL DETAIL 4-002 ON S304.
- RAIN LEADER SHOWN THUS  $\otimes$  R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
- GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST LINTEL AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 ON S305.
- MASONRY CONTROL JOINT SHOWN THUS  $\blacktriangle$  MCJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24'-0". COORDINATE LOCATION WITH THE ARCH. BUILDING ELEVATIONS.

| WALL SCHEDULE - TRASH ENCLOSURE |                                      |  |  |  |  |
|---------------------------------|--------------------------------------|--|--|--|--|
| TYPE                            | DESCRIPTION                          |  |  |  |  |
| W8-6-16S                        | 8" CMU WALL REINF. W/ #5 AT 16" O.C. |  |  |  |  |

| THICKENED SLAB SCHEDULE - TRASH ENCLOSURE |                 |           |                            |                              |         |
|-------------------------------------------|-----------------|-----------|----------------------------|------------------------------|---------|
| MARK                                      | SIZE            | THICKNESS | TOP & BOTTL.* REINF. CONT. | TOP & BOTTL.* REINF. TRANSV. | REMARKS |
| TS-2                                      | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                     | N/A                          |         |
| TS-4                                      | 4' - 0" x CONT. | 1' - 4"   | (4)-#6                     | #6 @ 12" O.C.                |         |



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**PROJECT:**  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

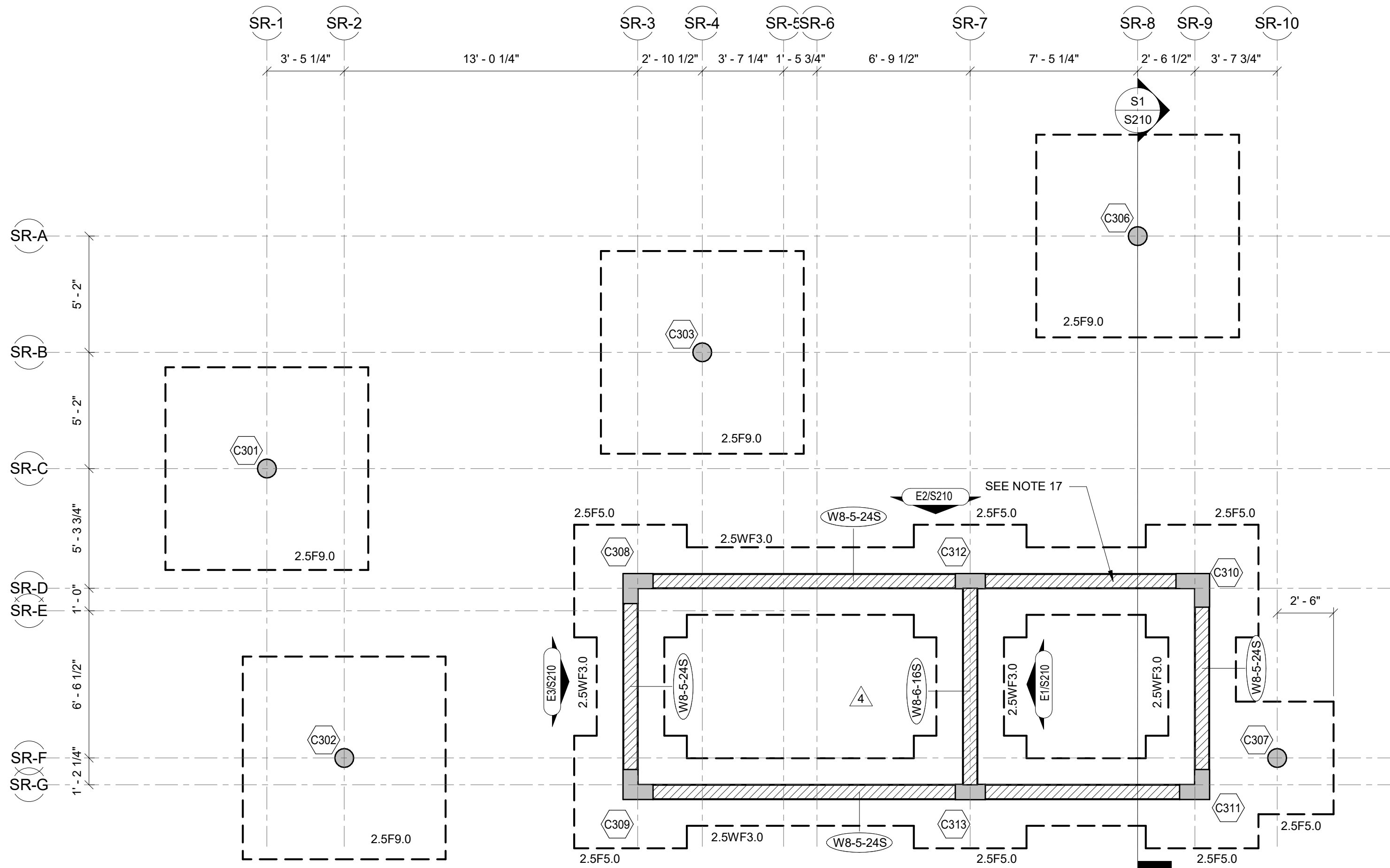
**REVISIONS:**

**TITLE:** MISCELLANEOUS  
**STRUCTURE - DUMPSTER ENCLOSURE**

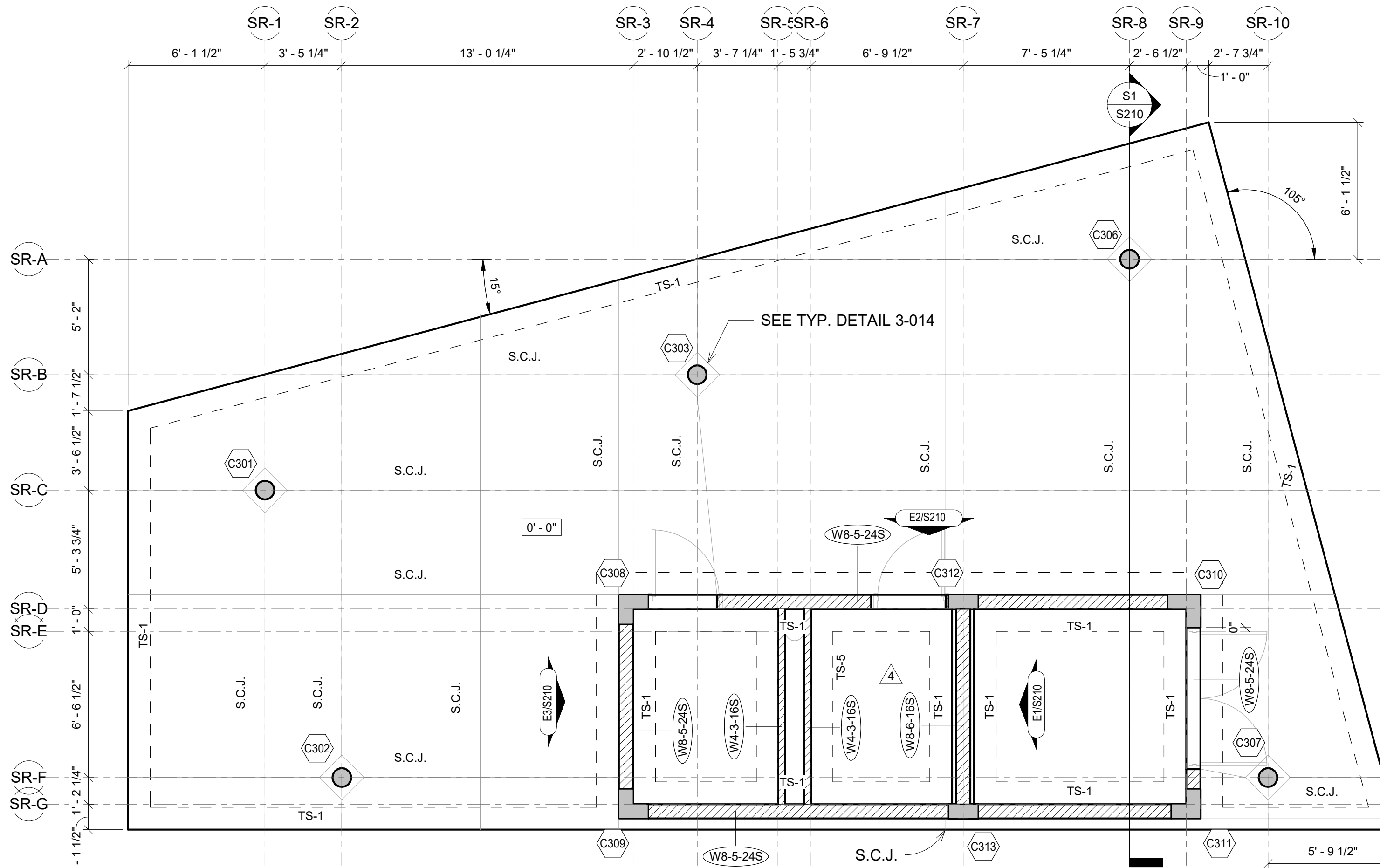
**DATE:** Dec. 27, 2022  
**DRAWN BY:** AN/NM  
**CHECKED BY:** AC

**JOB NO.:** 2122

**SHEET:** S208  
OF



FOUNDATION PLAN - SHELTER & RESTROOMS 1  
SCALE: 1/4" = 1'-0"



SLAB ON GRADE PLAN - SHELTER & RESTROOM 1  
SCALE: 1/4" = 1'-0"

| WALL FOOTING SCHEDULE - SHELTER & RESTROOMS 1 |         |           |                         |                           |              |
|-----------------------------------------------|---------|-----------|-------------------------|---------------------------|--------------|
| MARK*                                         | WIDTH   | THICKNESS | TOP & BOT. REINF. CONT. | TOP & BOT. REINF. TRANSV. | REMARKS      |
| 2.5WF3.0                                      | 3' - 0" | 1' - 6"   | 4-#5                    | #4 @ 16"                  | STD ACI HOOK |

| WALL SCHEDULE - SHELTER & RESTROOMS |                                      |
|-------------------------------------|--------------------------------------|
| TYPE                                | DESCRIPTION                          |
| W4-3-16S                            | 4" CMU WALL REINF. W/ #3 AT 16" O.C. |
| W8-5-24S                            | 8" CMU WALL REINF. W/ #5 AT 24" O.C. |
| W8-6-16S                            | 8" CMU WALL REINF. W/ #5 AT 16" O.C. |

| COLUMN FOOTING SCHEDULE - SHELTER & RESTROOMS 1 |         |         |           |                                   |              |
|-------------------------------------------------|---------|---------|-----------|-----------------------------------|--------------|
| MARK*                                           | LENGTH  | WIDTH   | THICKNESS | TOP & BOT. REINF.* EA. WAY U.N.O. | REMARKS      |
| 2.5F5.0                                         | 5' - 0" | 5' - 0" | 1' - 6"   | 5-#7                              | STD ACI HOOK |
| 2.5F9.0                                         | 9' - 0" | 9' - 0" | 1' - 8"   | 9-#7                              | STD ACI HOOK |

| THICKENED SLAB SCHEDULE - SHELTER & RESTROOM 1 |                 |           |                         |                           |         |
|------------------------------------------------|-----------------|-----------|-------------------------|---------------------------|---------|
| MARK*                                          | SIZE            | THICKNESS | TOP & BOT. REINF. CONT. | TOP & BOT. REINF. TRANSV. | REMARKS |
| TS-1                                           | 1' - 0" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |         |
| TS-5                                           | 3' - 5" x CONT. | 1' - 4"   | (2)-#5                  | N/A                       |         |

| CONCRETE BEAM SCHEDULE - SHELTER & RESTROOM |            |            |                   |                 |                                                                               |
|---------------------------------------------|------------|------------|-------------------|-----------------|-------------------------------------------------------------------------------|
| Type Mark                                   | BEAM WIDTH | BEAM DEPTH | CONT. REINFORCING | TIE REINFORCING | REMARKS                                                                       |
| BM-1                                        | 0' - 8"    | 1' - 10"   | (2)#5 T&B         | #3@8"           | (2)#5 SKIN BARS MID BEAM (1) EACH SIDE (2)#5 SKIN BARS MID BEAM (1) EACH SIDE |
| BM-2                                        | 0' - 8"    | 1' - 4"    | (2)#5 T&B         | #3@8"           | (2)#5 SKIN BARS MID BEAM (1) EACH SIDE ADJUST BEAM HEIGHT WHERE NEEDED        |

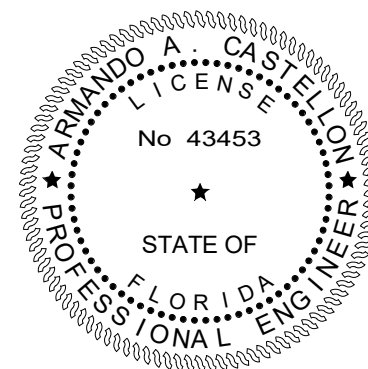
FOUNDATION PLAN NOTES:

- SLAB ON GRADE TO BE 4" THICK CONCRETE OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS PER GEOTECHNICAL REPORT REINFORCED WITH 4x4xW4.0xW4.0 W.W.F. (FLAT SHEETS) CENTERED IN SLAB SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0"(±) O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
- VAPOR BARRIER REQUIREMENTS/APPLICATION/INSTALLATION SHALL BE DONE AS PER ARCHITECTURAL OR MOISTURE CONSULTANT DOCUMENTS AND RECOMMENDATIONS. IF NONE ARE AVAILABLE, AT A MINIMUM THE FOLLOWING RECOMMENDATIONS SHALL BE FOLLOWED.
  - VAPOR BARRIER SHALL CONFORM TO ASTM E-1745, MEETS OR EXCEEDS CLASS "B".
  - VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643-98.
  - UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
  - LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
  - OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
  - SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
  - NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
  - REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
- TOP OF SLAB ELEVATION SHOWN THUS  $\square$  ON PLAN EQUALS REFERENCE EL. FOR ACTUAL EL. SEE CIVIL DRAWINGS.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
- ( ) DENOTES TOP OF FOOTING ELEVATION.
- TOP OF FOOTING: ELEVATION @ INTERIOR = (-1' - 4") TYPICAL U.N.O. ELEVATION @ EXTERIOR = (-1' - 4") TYPICAL U.N.O.
- FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- TYPICAL WALL REINFORCING SCHEDULE:
  - FOR CMU EXTERIOR WALL REINFORCING SEE SCHEDULE THIS SHEET.
  - INDICATES ADDITIONAL (1) VERTICAL IN GROUT FILLED CELL.
  - PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.
- COLUMN DESIGNATION SHOWN THUS  $\square$  ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601.

T/COLUMN ELEVATION  
COLUMN TYPE  
C1  
CARRIED COLUMN
- COORDINATE LOCATION OF (S.C.J.) CONTROL JOINTS (SAWCUTS & TOOLED JOINTS) AT WALKWAY SLABS WITH ARCHITECTURAL DRAWINGS. CONTROL JOINTS AT EXPOSED TO WEATHER WALKWAYS SHALL BE TOOLED JOINTS SEE TYPICAL DETAIL 3-201 ON S303.
- ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON PLAN WITH DOWELS TO MATCH, U.N.O. ALL CELLS AT REINFORCING LOCATION SHALL BE FILLED WITH GROUT. PROVIDE INSPECTION/CLEANOUT HOLE AT BASE WHEN POUR HEIGHT IS GREATER THAN 4'-0".
- LOCATION OF MASONRY CONTROL JOINT NOT SHOWN. COORDINATE WITH ARCHITECTURAL ELEVATIONS. SEE TYPICAL DETAIL 4-002 ON S304.
- RAIN LEADER SHOWN THUS  $\square$  R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
- GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST LINTEL AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 ON S305.
- MASONRY CONTROL JOINT SHOWN THUS  $\square$  MCJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24'-0", COORDINATE LOCATION WITH THE ARCH. BUILDING ELEVATIONS.
- WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., W5F5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.

ROOF FRAMING NOTES:

- DIRECTION OF SLAB SPAN INDICATED THUS  $\rightarrow$  ON PLAN.
- FOR GENERAL NOTES SEE DRAWING S101.
- FOR TYPICAL DETAILS SEE DRAWINGS S301 THRU S308.
- COLUMN DESIGNATIONS SHOWN THUS  $\square$  ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S601.
- ELEVATION OF TOP OF SLAB SHOWN THUS  $\square$  ON PLAN, BASED ON REFERENCE ELEVATION.
- USE TENSION LAP SPlice, TYP. FOR TYPICAL DETAILS, SEE DRAWINGS S301 & S308. PROVIDE STANDARD HOOK TO MAIN REINF. @ DISCONTINUOUS ENDS.
- PROVIDE ADDITIONAL #4 @ 24" O.C., LOCATED 1" FROM TOP OF SLAB OVER ALL BEAMS AS SHOWN ON PLAN. AT DISCONTINUOUS ENDS, PROVIDE STANDARD HOOK AS SHOWN.
- FOR LOAD SCHEDULE AND WIND DESIGN DATA, SEE DRAWING S102.
- PROVIDE #5 SKIN BARS @ 6" O.C. TO ALL PERIMETER BEAMS EACH FACE.



CONFORMED SET 09/22/2025

TITLE: MISCELLANEOUS  
STRUCTURE - SHELTER &  
REST ROOMS 1

JOB NO:  
2122

REVISIONS:  
Rev 4 RESPONSE TO  
4. 03/20/2023  
COMMENTS AND  
REVISION UPDATES

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

SHEET:

S209  
OF

CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO:  
2122

SHEET:

S209  
OF

MASTER  
CONSULTING  
ENGINEERS, INC.  
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FT. LAUDERDALE, FLORIDA 33312  
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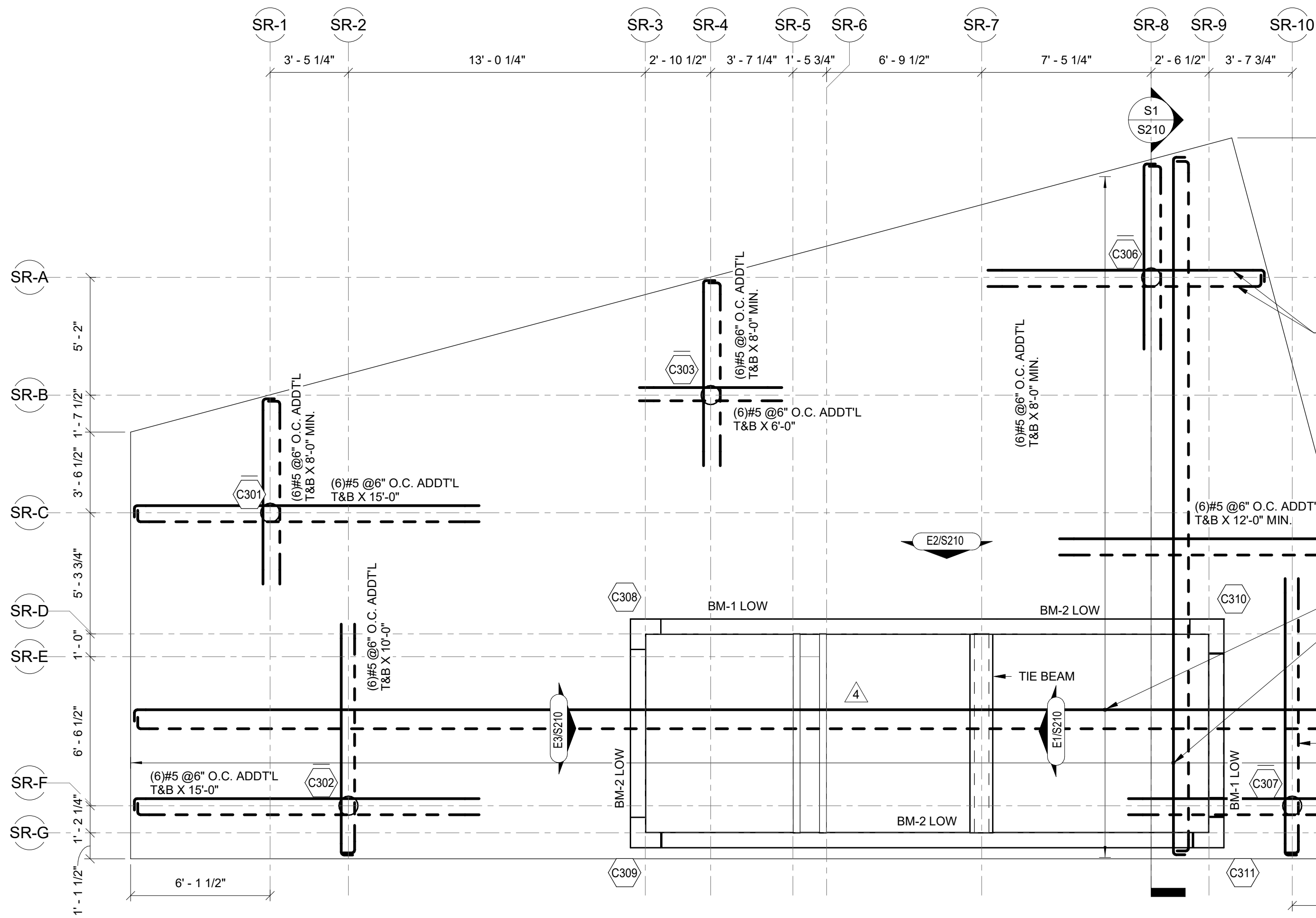
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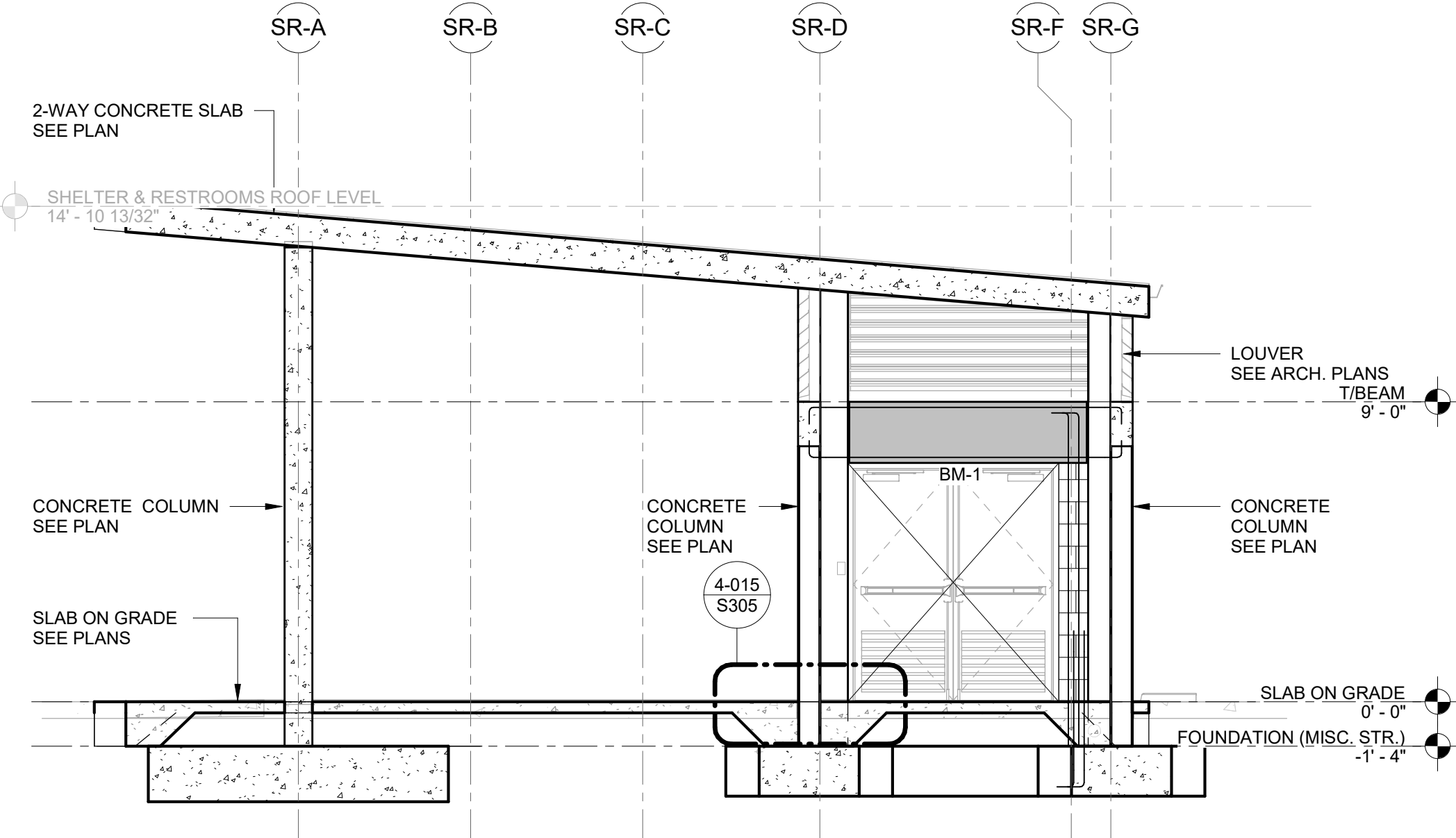
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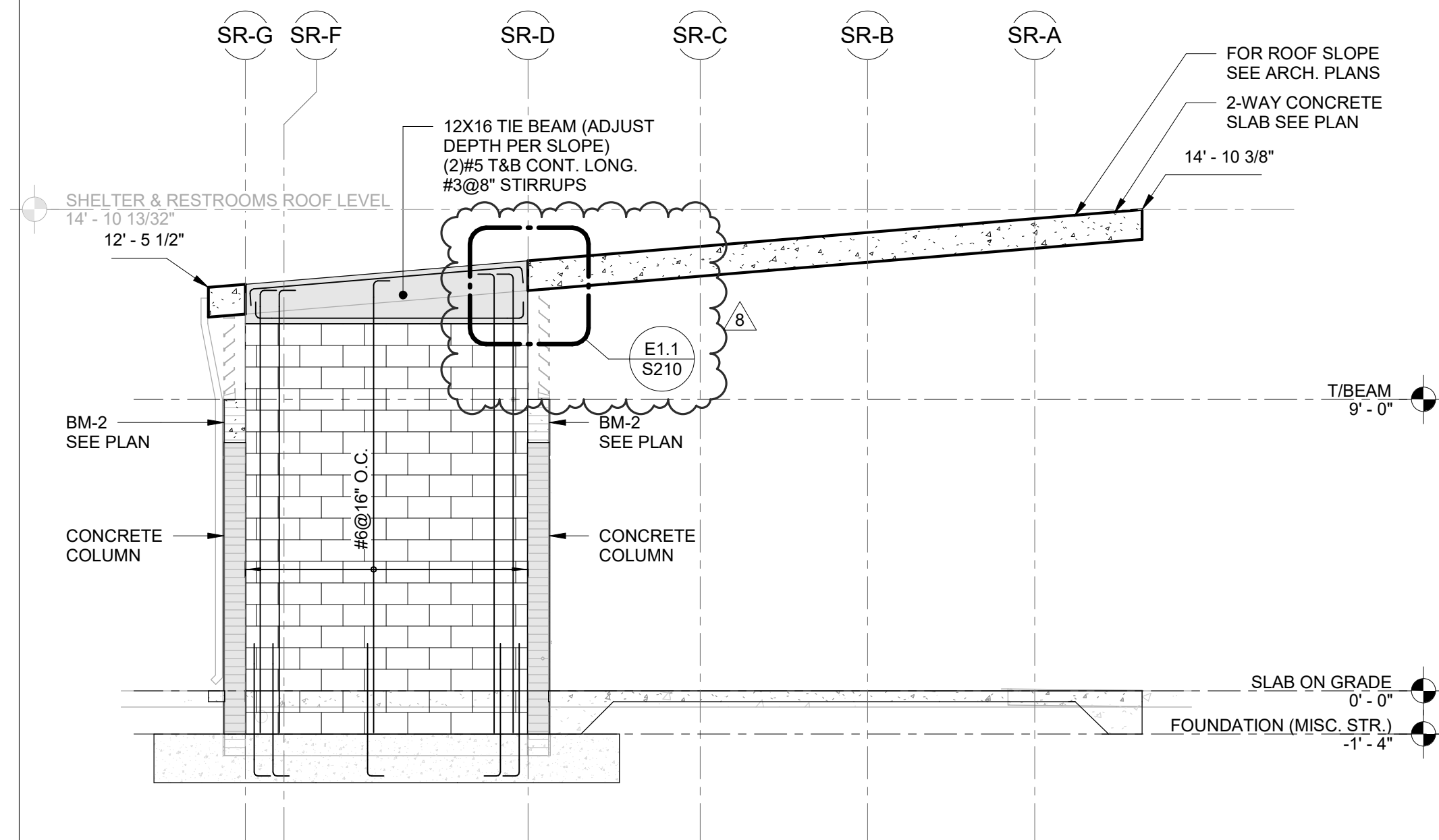
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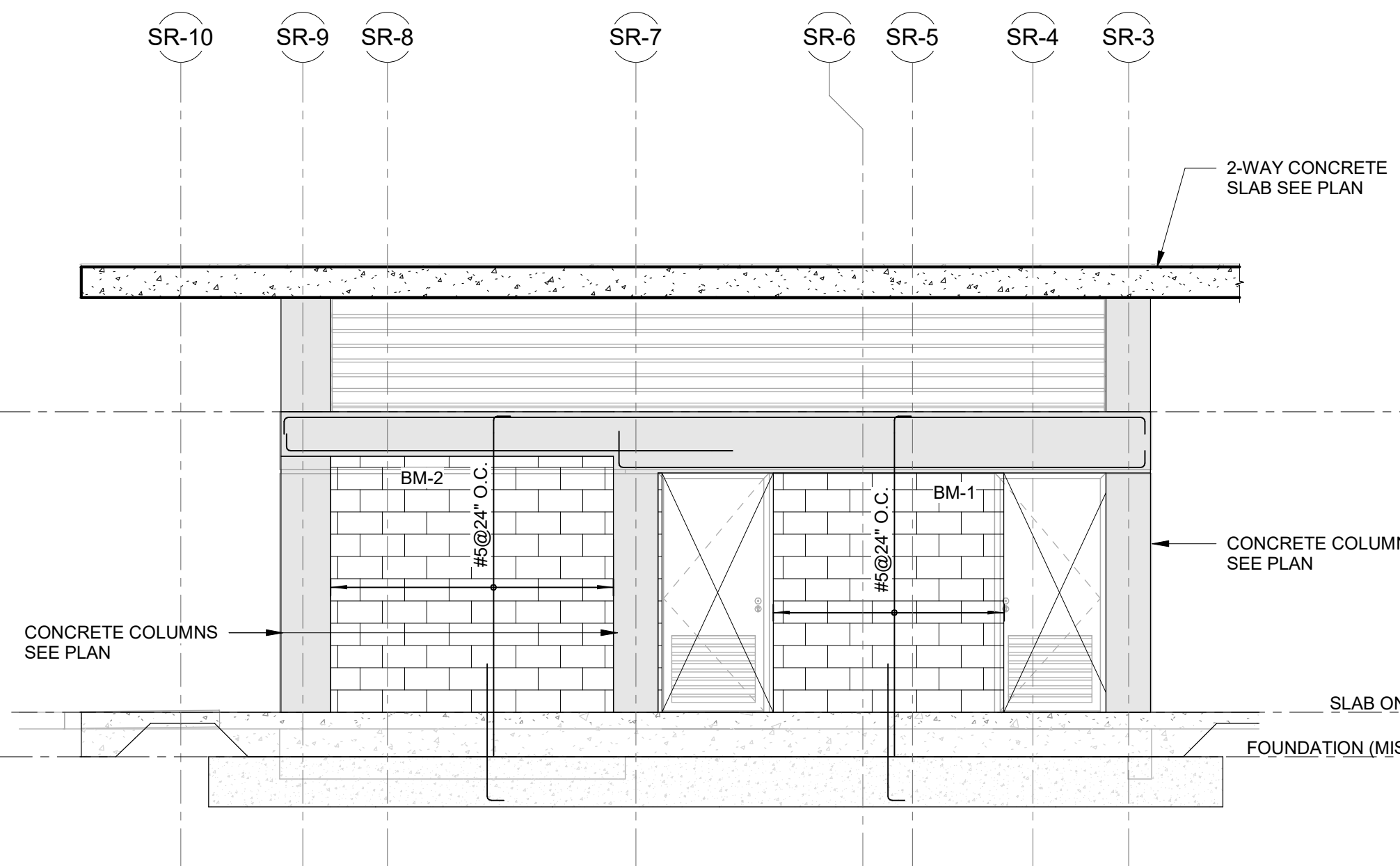
ROOF FRAMING PLAN - SHELTER & RESTROOMS 1  
SCALE: 1/4" = 1'-0"



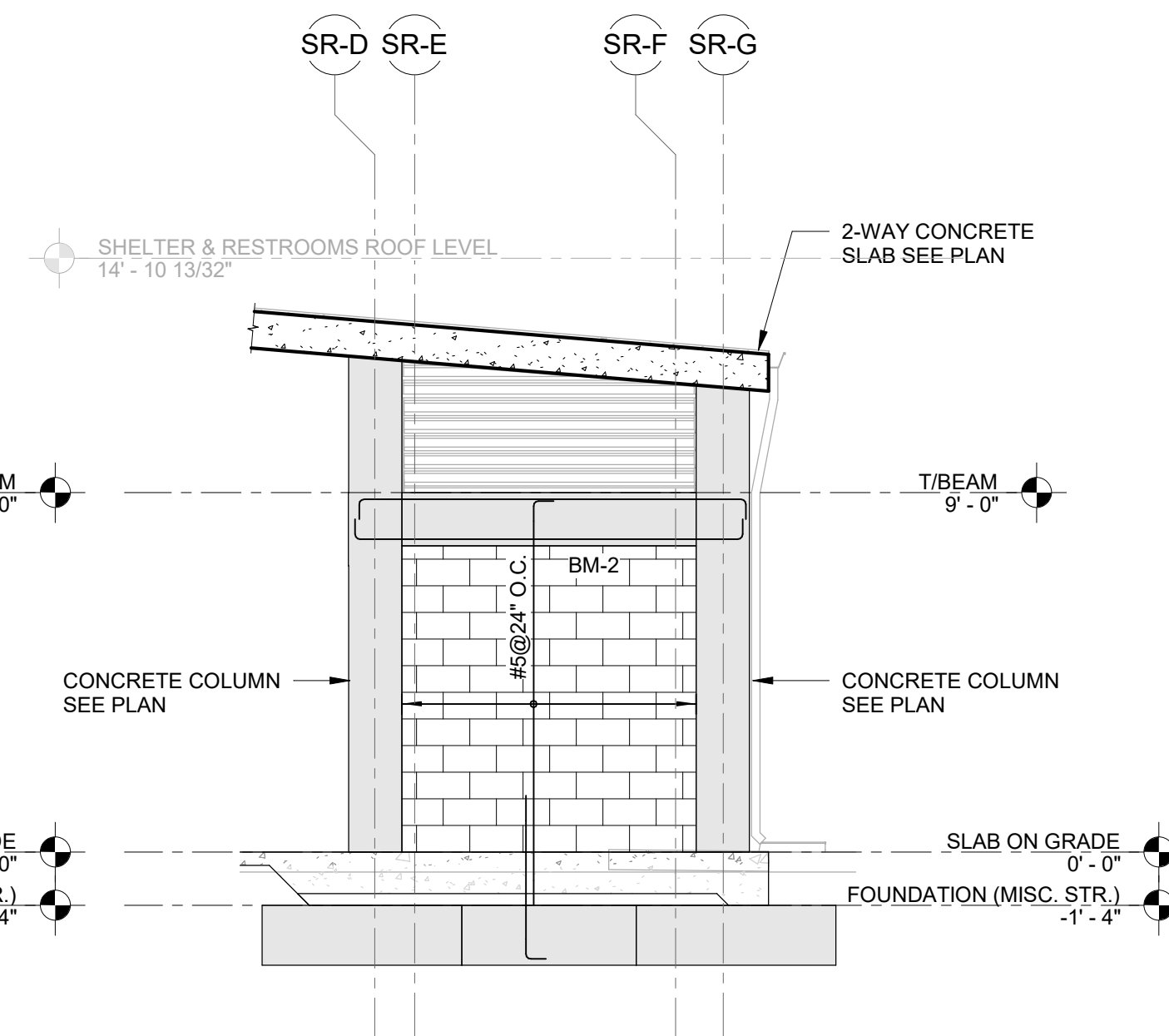
S1 SECTION 1  
SCALE: 1/4" = 1'-0"



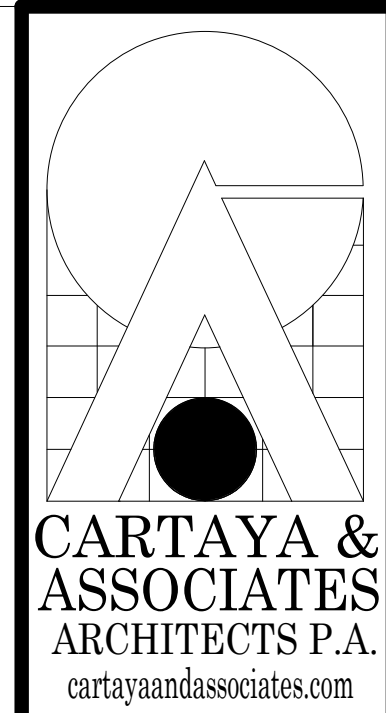
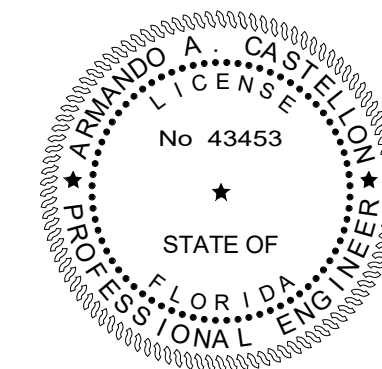
E1 ELEVATION 1  
SCALE: 1/4" = 1'-0"



E2 ELEVATION 2  
SCALE: 1/4" = 1'-0"



E3 ELEVATION 3  
SCALE: 1/4" = 1'-0"



2400 E COMMERCIAL BLVD. SUITE 210  
FT. LAUDERDALE, FLORIDA 33308  
954-771-2724

MASTER CONSULTING ENGINEERS, INC.  
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DATE: 8/2/20 DATE: 11/21/2025

CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444  
PROJECT:

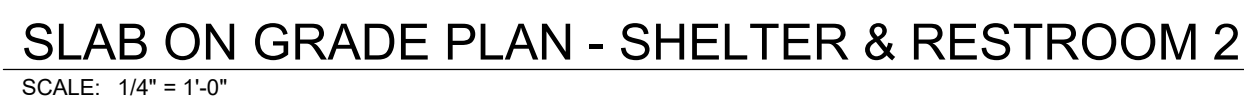
REVISIONS:  
Rev 4 RESPONSE TO COMMENTS AND CONFORMED SET  
4. 03/20/2023  
8. 09/22/2025

TITLE: MISCELLANEOUS  
STRUCTURE - SHELTER & REST ROOMS 1  
DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

JOB NO.: 2122

SHEET: S210  
OF

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



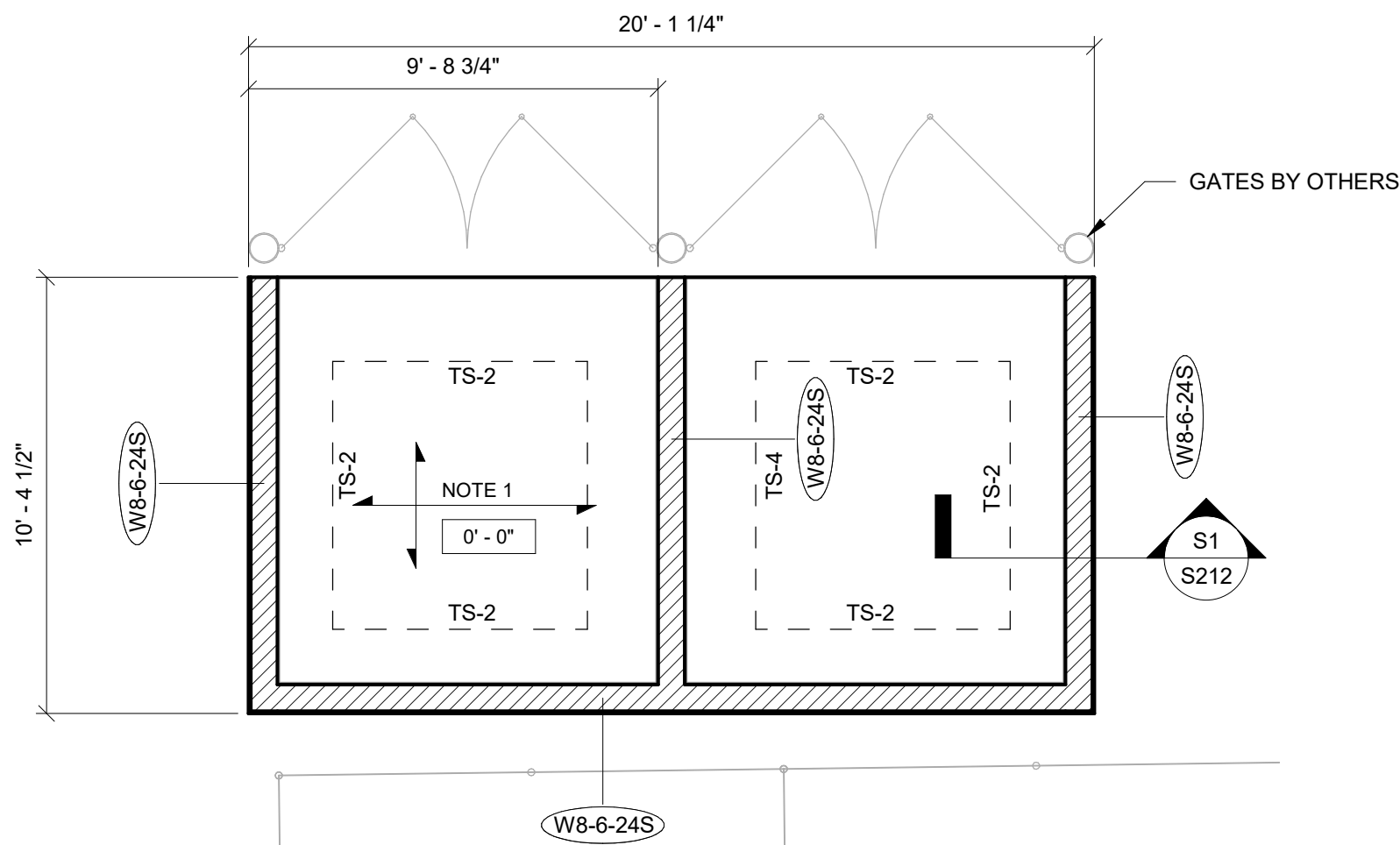
| COLUMN FOOTING SCHEDULE - SHELTER & RESTROOMS 2 |        |        |           |                                        |              |
|-------------------------------------------------|--------|--------|-----------|----------------------------------------|--------------|
| MARK*                                           | LENGTH | WIDTH  | THICKNESS | TOP & BOTT. REINF.*<br>EA. VARY U.N.O. | REMARKS      |
| 2.5F7.0                                         | 7'- 0" | 7'- 0" | 1'- 6"    | 7-#7                                   | STD ACI HOOK |

1. FOR GENERAL NOTES SEE DRAWING S101.
2. FOR TYPICAL DETAILS SEE DRAWINGS S301 THRU S308.
3. COLUMN DESIGNATIONS SHOWN THUS  ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S601.
4. ELEVATION OF TOP OF SLAB SHOWN THUS  ON PLAN, BASED ON REFERENCE ELEVATION.
5. USE TENSION LAP SPICE, TYP. FOR TYPICAL DETAILS, SEE DRAWINGS S301 & S308. PROVIDE STANDARD HOOK TO MAIN REINF. @ DISCONTINUOUS ENDS.
6. PROVIDE ADDITIONAL #4 @ 24" C.C. LOCATED 1" FROM TOP OF SLAB OVER ALL BEAMS AS SHOWN ON PLAN, AT DISCONTINUOUS ENDS.
7. PROVIDE STANDARD HOOK TO MAIN REINF. @ DISCONTINUOUS ENDS.
8. FOR RAD SCHEDULE, SEE WIND DESIGN DATA, SEE DRAWING S102.
9. PROVIDE #5 SKIN BARS @ 6" O.C. TO ALL PERIMETER BEAMS EACH FACE.

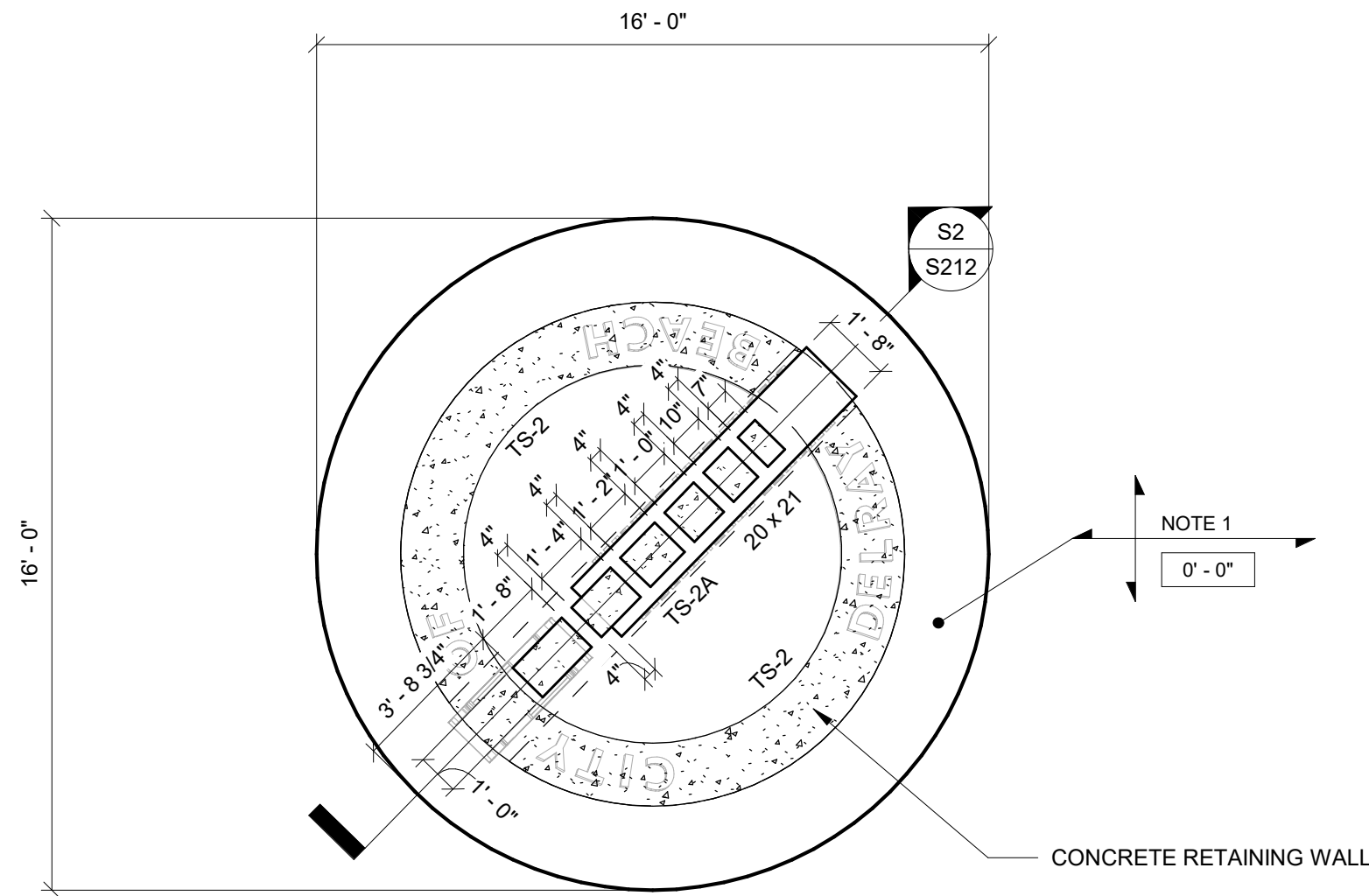


CONFIRMED SET 09/22/2025

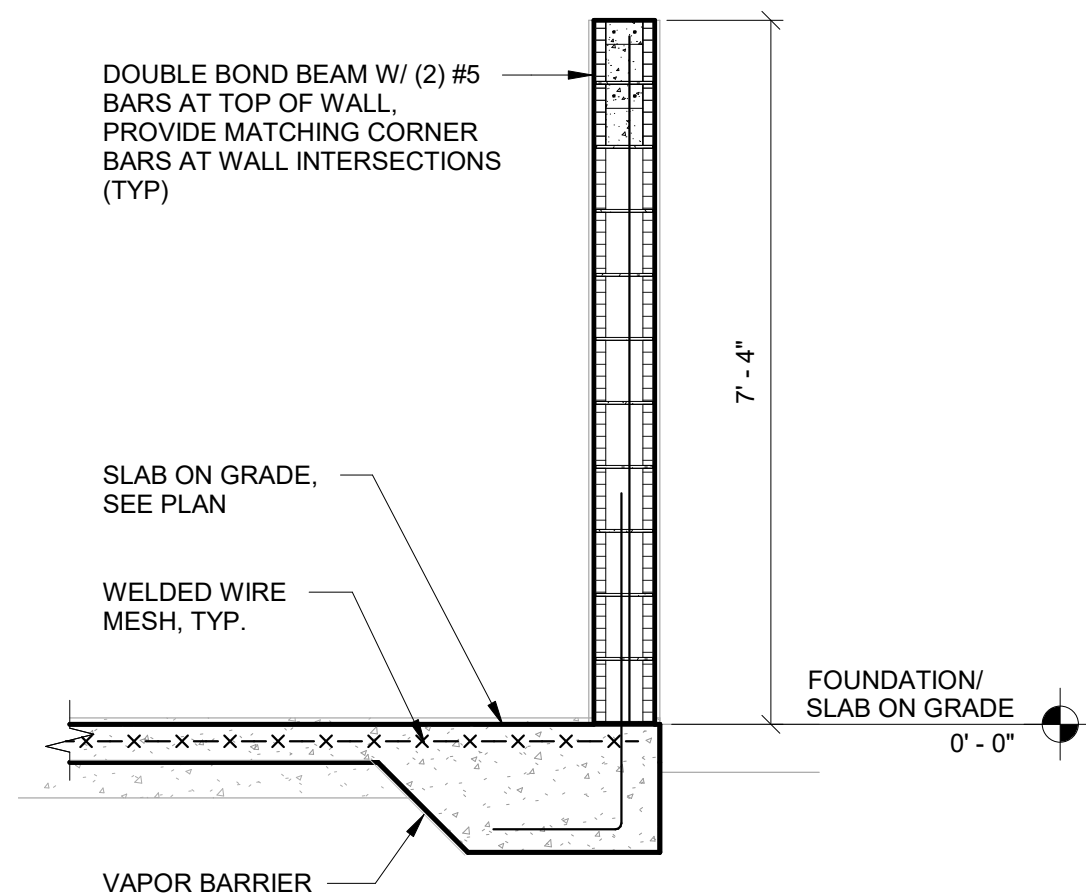
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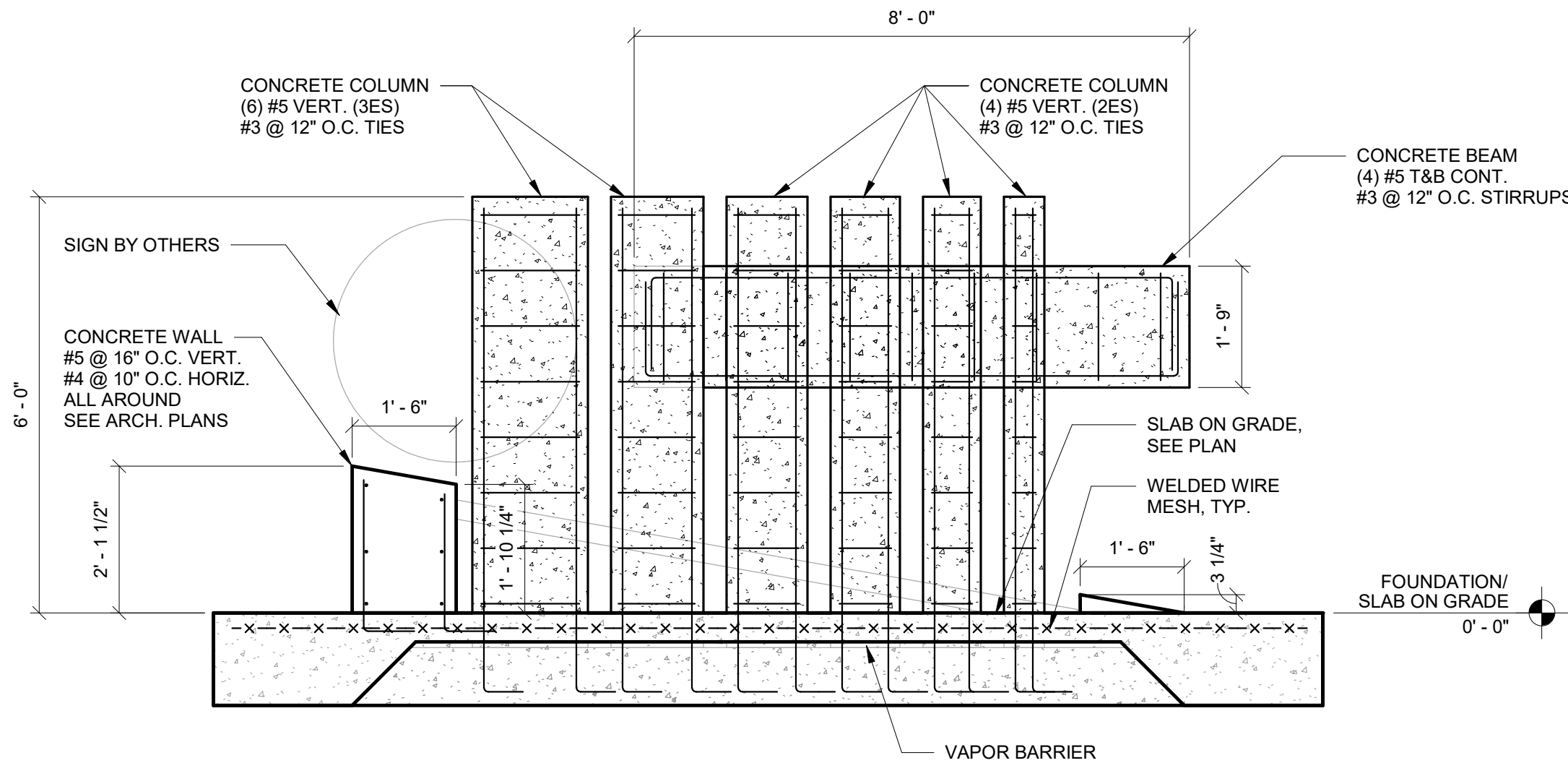
FOUNDATION/SLAB ON GRADE PLAN - STORAGE BIN  
SCALE: 1/4" = 1'-0"



FOUNDATION/SLAB ON GRADE PLAN - MONUMENT SIGN  
SCALE: 1/4" = 1'-0"



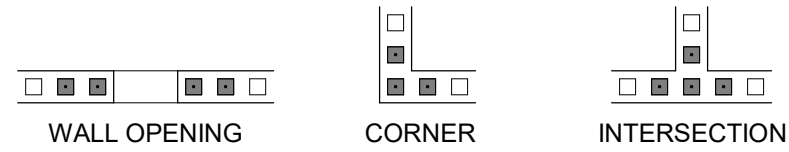
S1 SECTION 1  
SCALE: 1/2" = 1'-0"



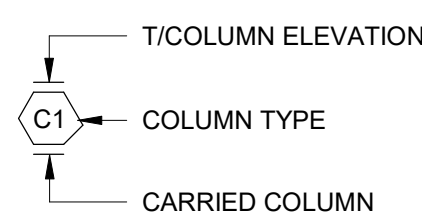
S2 SECTION 2  
SCALE: 1/2" = 1'-0"

**MONOLITHIC SLAB FOUNDATION NOTES:**

- SLAB ON GRADE TO BE 5" THICK CONCRETE OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS PER GEOTECHNICAL REPORT REINFORCED WITH 4x4xW4.0xW4.0 W.W.F. (FLAT SHEETS) CENTERED IN SLAB. SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0"(±) O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
- VAPOR BARRIER REQUIREMENTS/APPLICATION/INSTALLATION SHALL BE DONE AS PER ARCHITECTURAL OR MOISTURE CONSULTANT DOCUMENTS AND RECOMMENDATIONS. IF NONE ARE AVAILABLE, AT A MINIMUM THE FOLLOWING RECOMMENDATIONS SHALL BE FOLLOWED.
  - VAPOR BARRIER SHALL CONFORM TO ASTM E-1745, MEETS OR EXCEEDS CLASS "B".
  - VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643-98.
  - UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
  - LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
  - OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
  - SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
  - NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
  - REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
- TOP OF SLAB ELEVATION SHOWN THUS  $\square$  ON PLAN EQUALS REFERENCE EL. FOR ACTUAL EL. SEE CIVIL DRAWINGS.
- FOR TYPICAL DETAILS, SEE DRAWINGS S301 THROUGH S308.
- FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S101.
- FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
- ( ) DENOTES TOP OF FOOTING ELEVATION.
- TOP OF FOOTING: ELEVATION @ INTERIOR = (0' - 0") TYPICAL U.N.O.  
ELEVATION @ EXTERIOR = (0' - 0") TYPICAL U.N.O.
- FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
- FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
- TYPICAL WALL REINFORCING SCHEDULE:
  - FOR CMU EXTERIOR WALL REINFORCING SEE SCHEDULE THIS SHEET.
  - REINFORCING SHOWN ON SCHEDULE IS MINIMUM. SEE ELEVATIONS FOR ADDITIONAL REINFORCING.
  - 8" CMU WALLS TO HAVE A SINGLE LAYER OF REINFORCEMENT (1 BAR AT EACH FACE), U.N.O.
  - 12" CMU WALLS TO HAVE A DOUBLE LAYER OF REINFORCEMENT (1 BAR AT EACH FACE), U.N.O.
  - INDICATES ADDITIONAL (1) VERTICAL IN GROUT FILLED CELL.
  - PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.



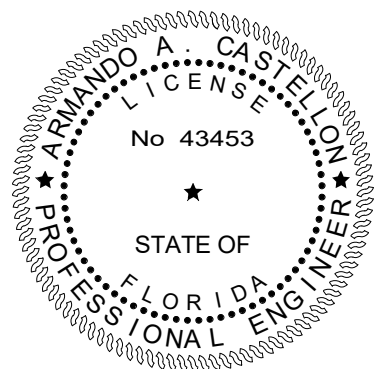
- COLUMN DESIGNATION SHOWN THUS  $\square$  ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601 & S602.



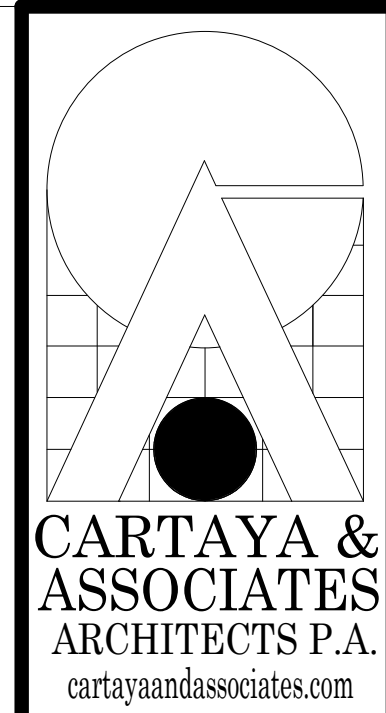
- COORDINATE LOCATION OF (CJ) CONTROL JOINTS (SAWCUTS & TOOLED JOINTS) AT WALKWAY SLABS WITH ARCHITECTURAL DRAWINGS. CONTROL JOINTS AT EXPOSED TO WEATHER WALKWAYS SHALL BE TOOLED JOINTS SEE TYPICAL DETAIL 3-201 / S303.
- ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON PLAN WITH DOWELS TO MATCH, U.N.O. ALL CELLS AT REINFORCING LOCATION SHALL BE FILLED WITH GROUT. PROVIDE INSPECTION/CLEANOUT HOLE AT BASE WHEN POUR HEIGHT IS GREATER THAN 4'-0".
- LOCATION OF MASONRY CONTROL JOINT NOT SHOWN. COORDINATE WITH ARCHITECTURAL ELEVATIONS. SEE TYPICAL DETAIL 4-002 / S304.
- RAIN LEADER SHOWN THUS  $\square$  R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
- GENERAL CONTRACTOR TO COORDINATE LOCATION OF ALL WALL PENETRATIONS REQUIRED FOR MECHANICAL EQUIPMENT AND PROVIDE A PRECAST LINTEL AT ALL OPENINGS REFER TO TYPICAL DETAIL 4-004 / S305.
- MASONRY CONTROL JOINT SHOWN THUS  $\square$  MCJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24'-0", COORDINATE LOCATION WITH THE ARCH. BUILDING ELEVATIONS.
- WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.

| WALL SCHEDULE - STORAGE BIN & MONUMENT SIGN DETAILS |                                      |
|-----------------------------------------------------|--------------------------------------|
| TYPE                                                | DESCRIPTION                          |
| W8-6-24S                                            | 8" CMU WALL REINF. W/ #6 AT 24" O.C. |

| THICKENED SLAB SCHEDULE - STORAGE BIN & MONUMENT SIGN DETAILS |                 |           |                           |                             |         |
|---------------------------------------------------------------|-----------------|-----------|---------------------------|-----------------------------|---------|
| MARK                                                          | SIZE            | THICKNESS | TOP & BOTT.* REINF. CONT. | TOP & BOTT.* REINF. TRANSV. | REMARKS |
| TS-2                                                          | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                    | N/A                         |         |
| TS-2A                                                         | 2' - 0" x CONT. | 1' - 4"   | (2)-#5                    | N/A                         |         |
| TS-4                                                          | 4' - 0" x CONT. | 1' - 4"   | (4)-#6                    | #6 @ 12" O.C.               |         |



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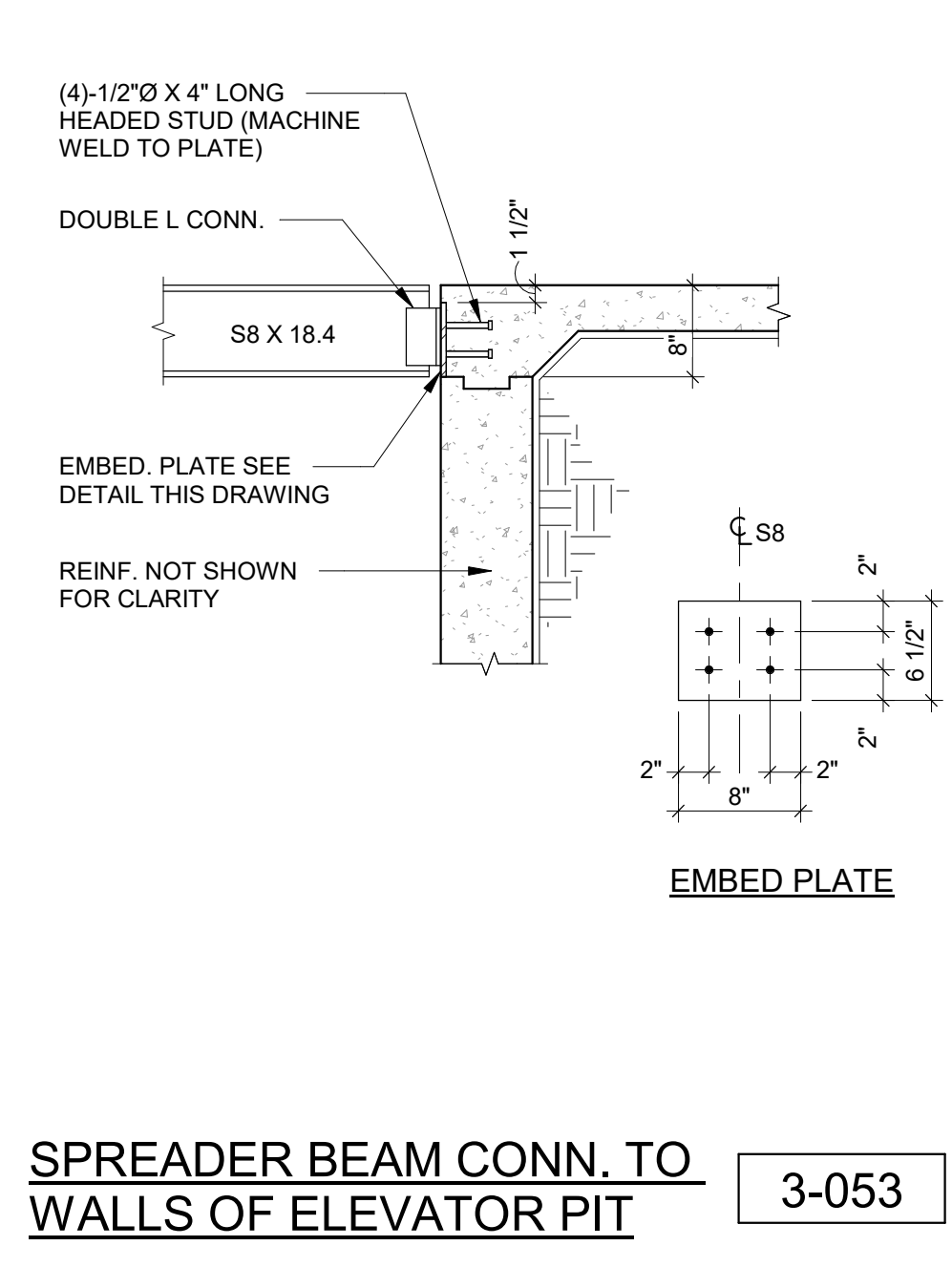
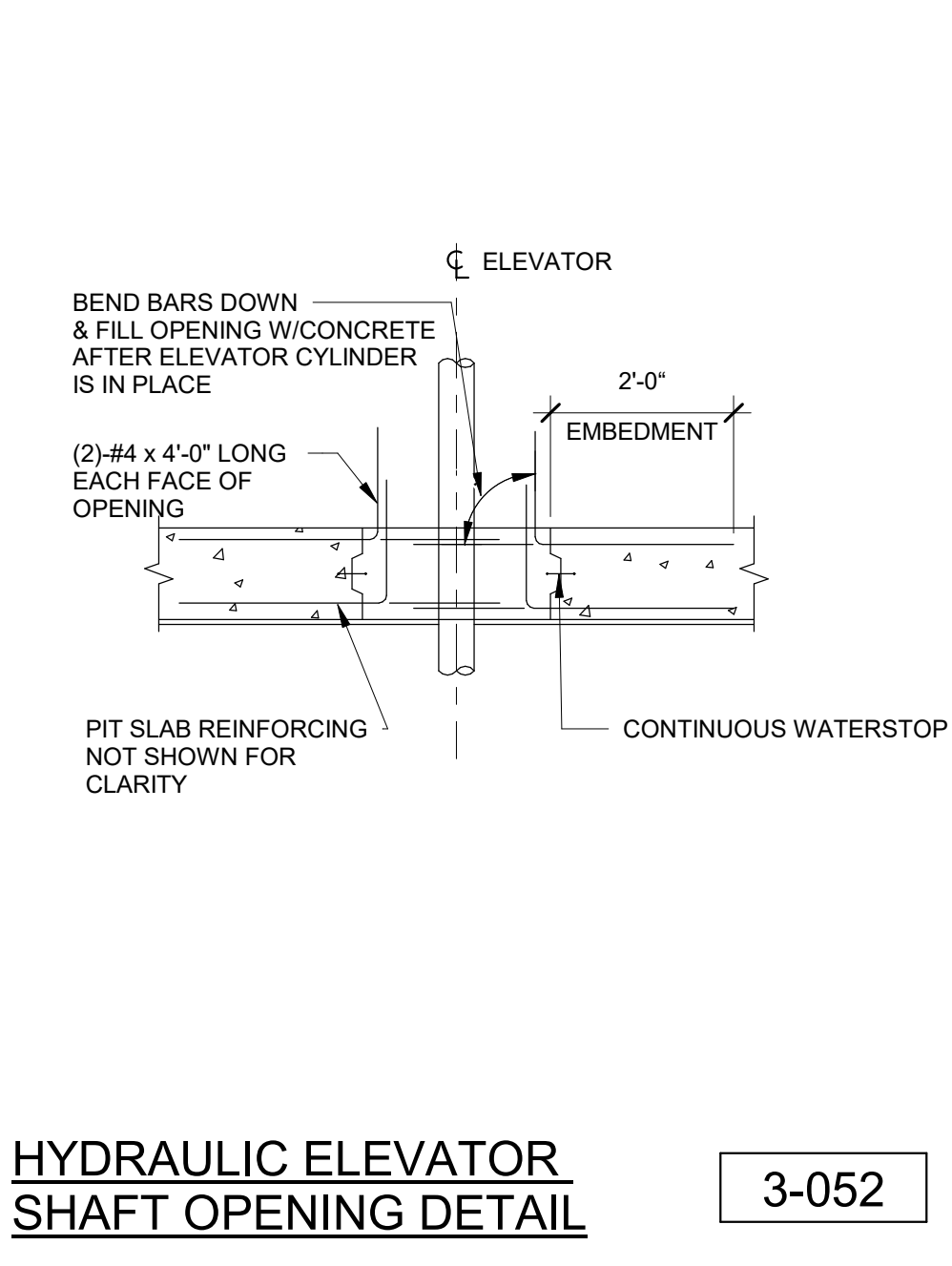
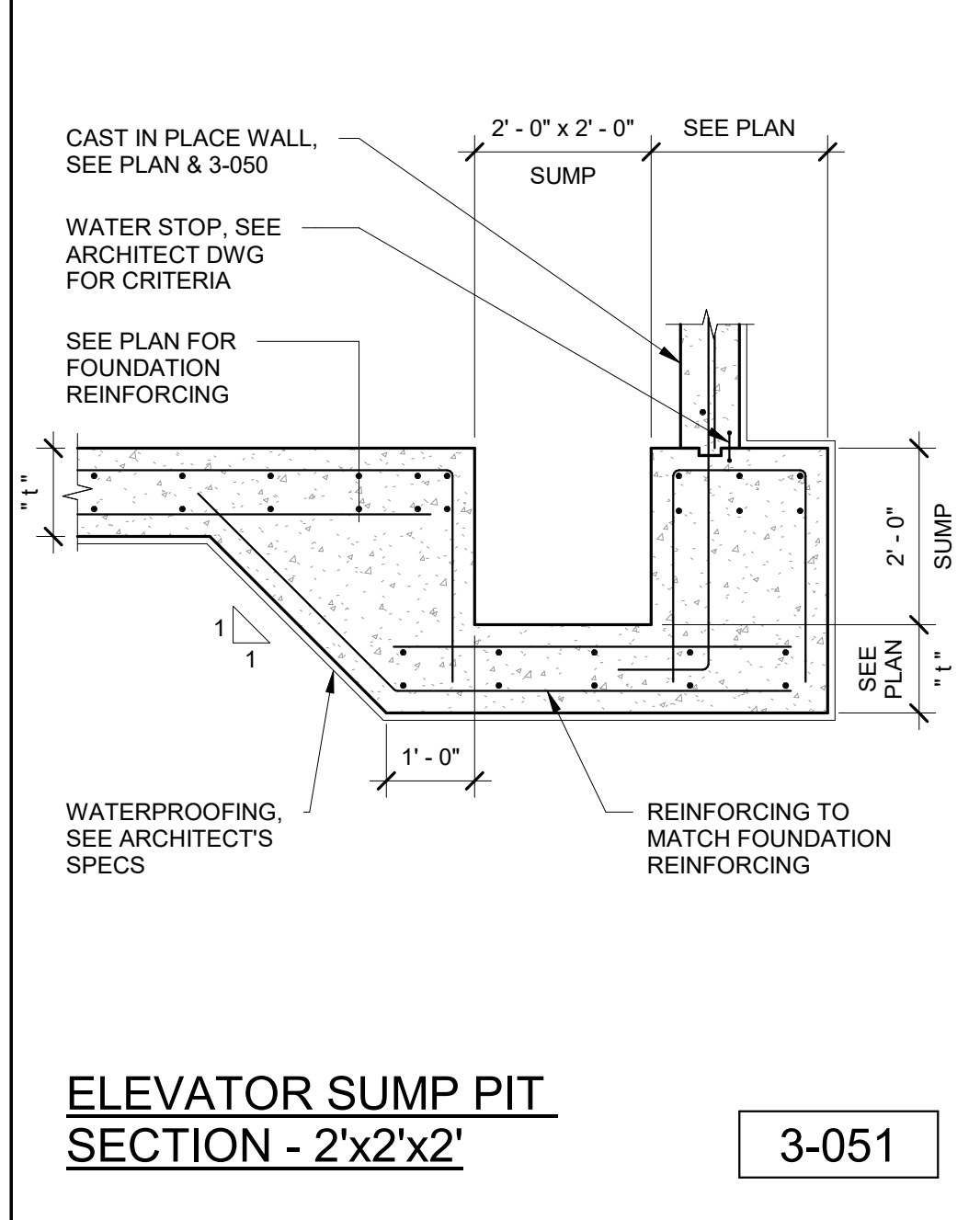
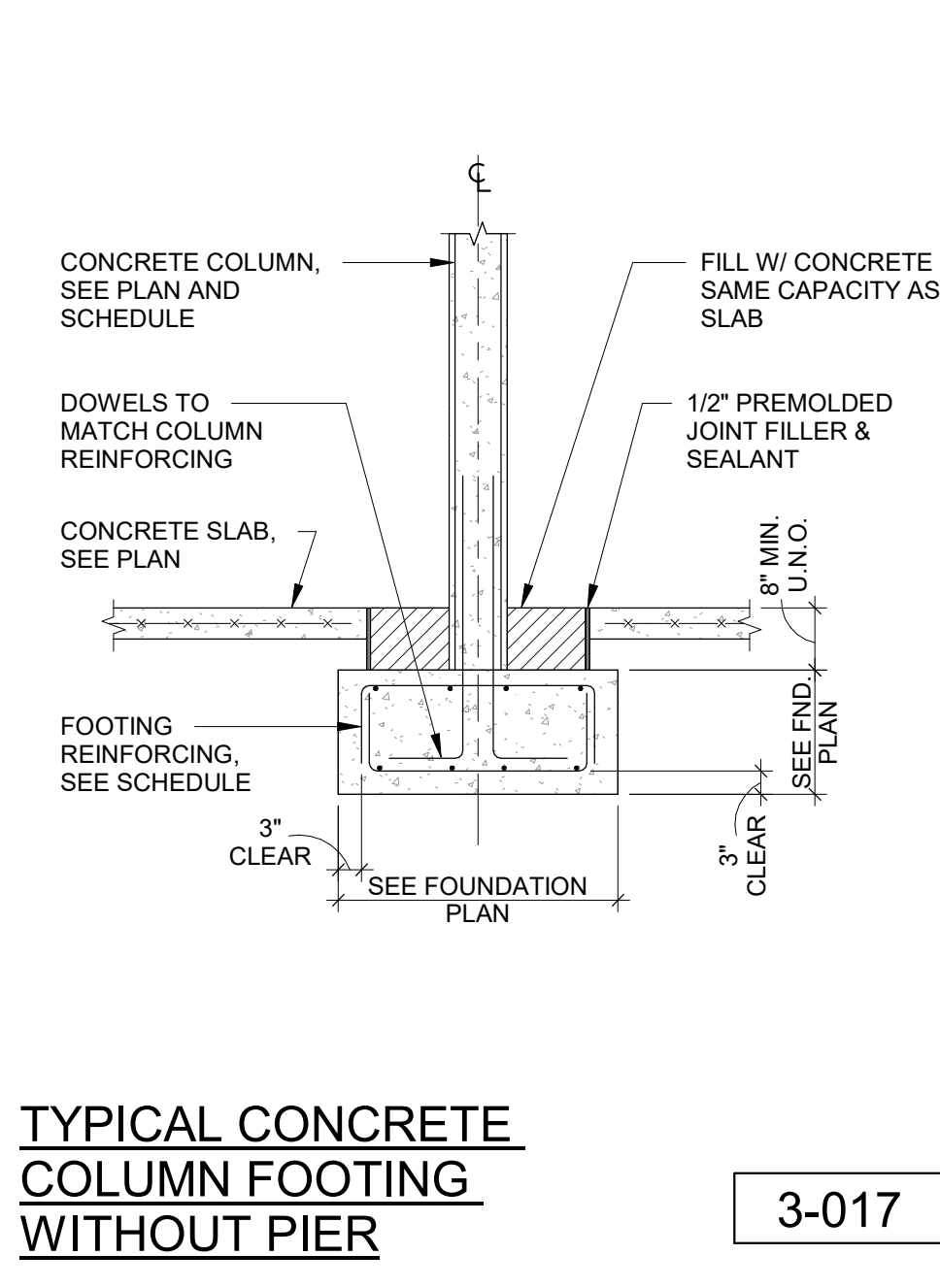
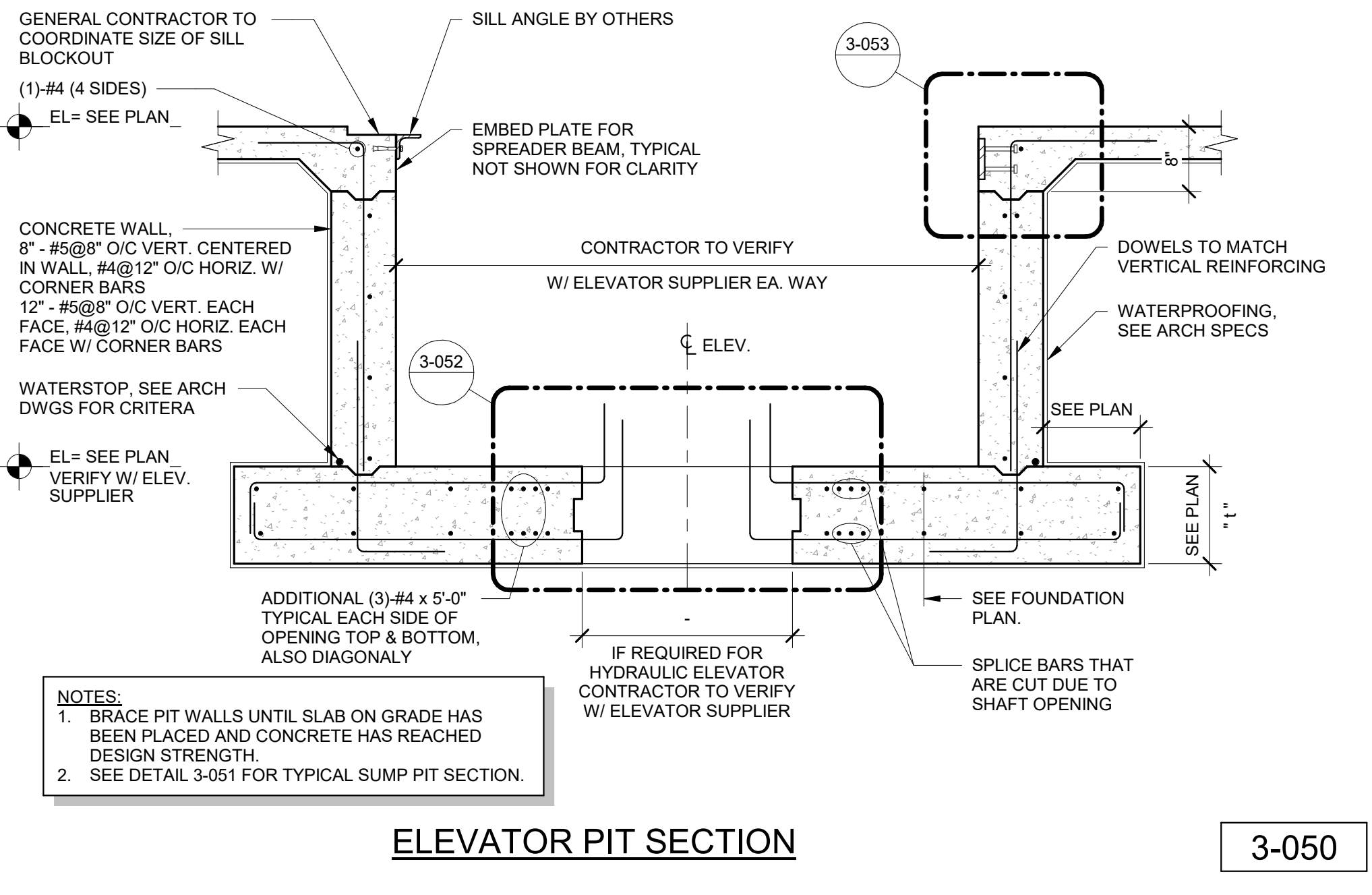
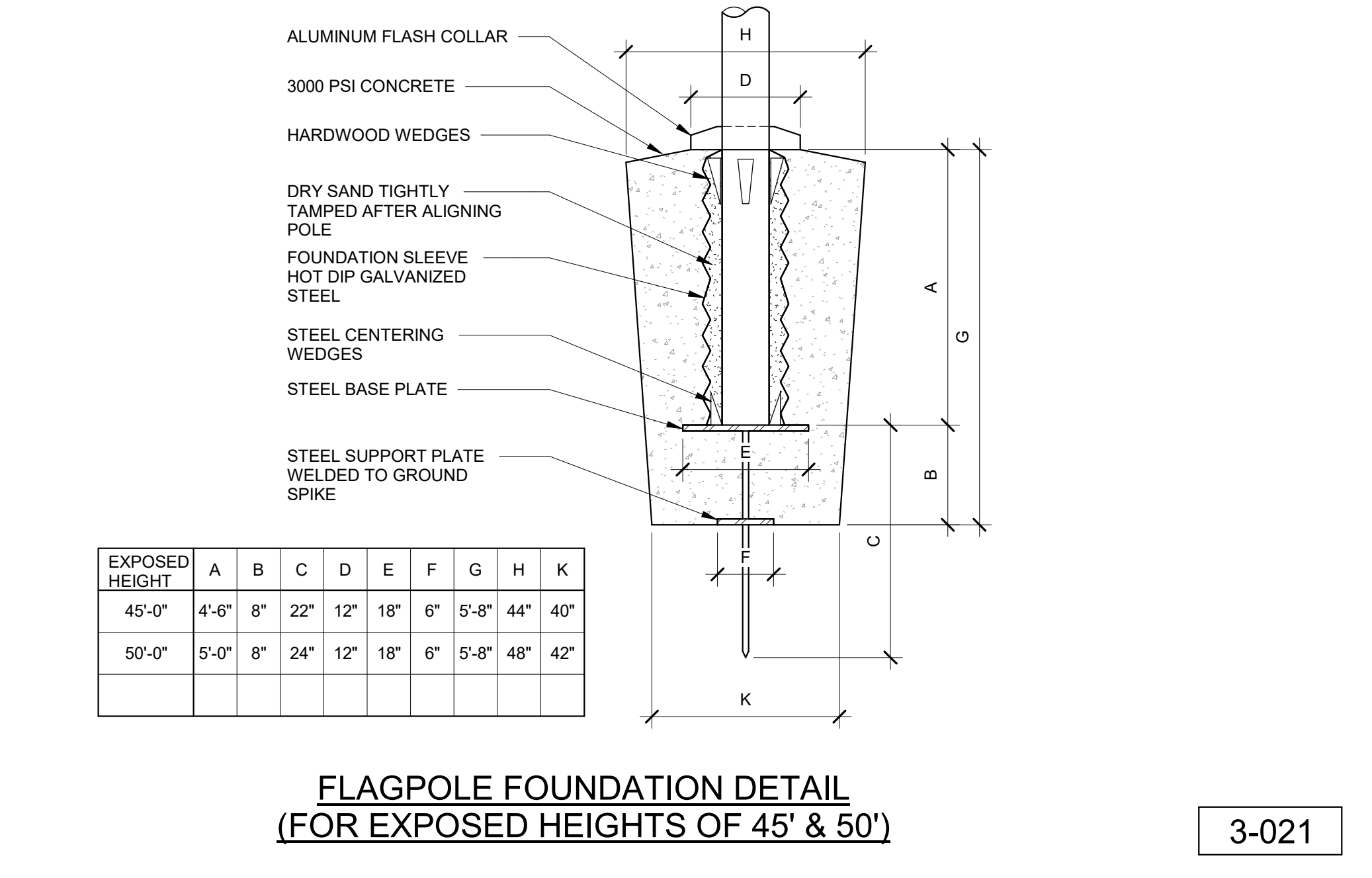
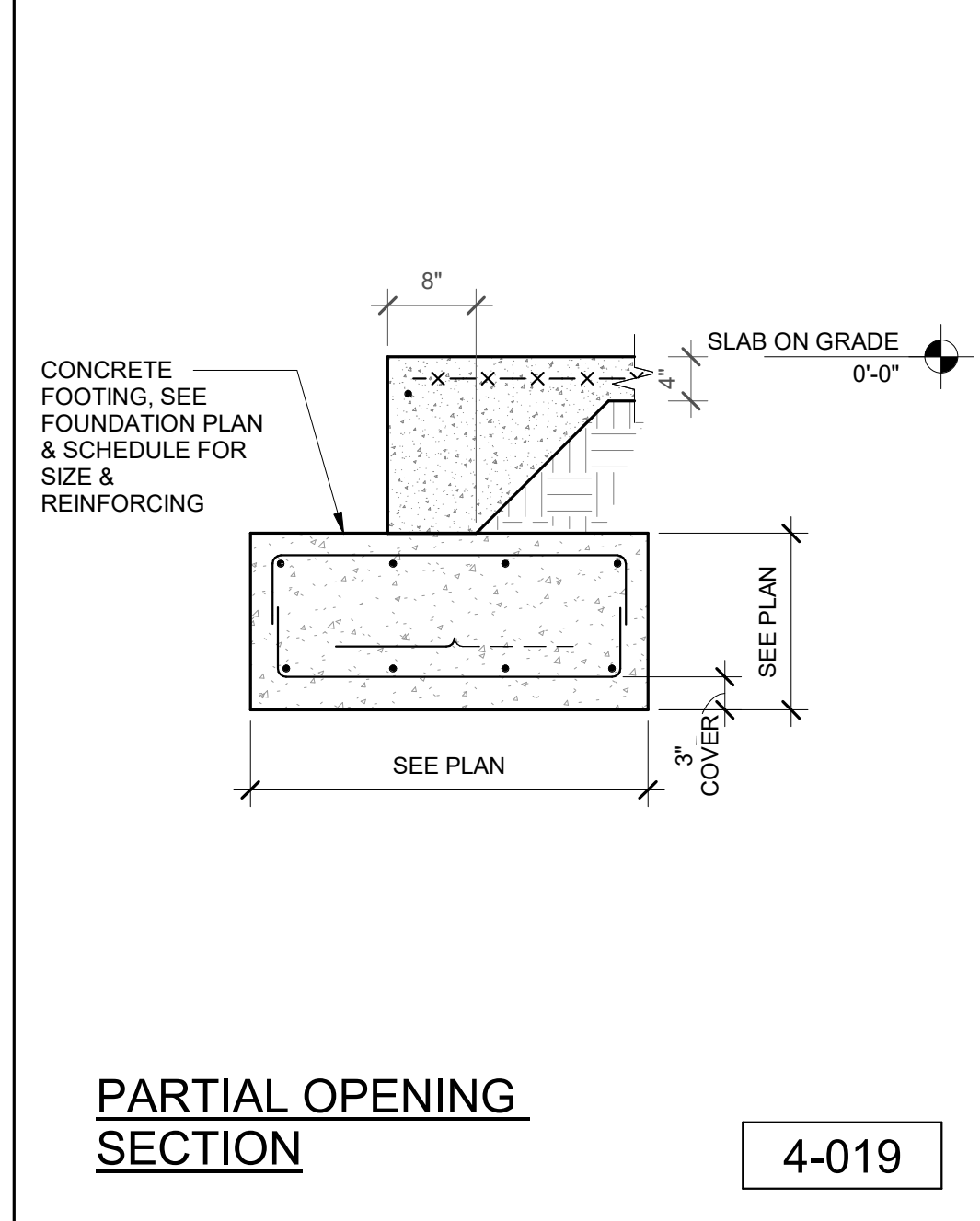
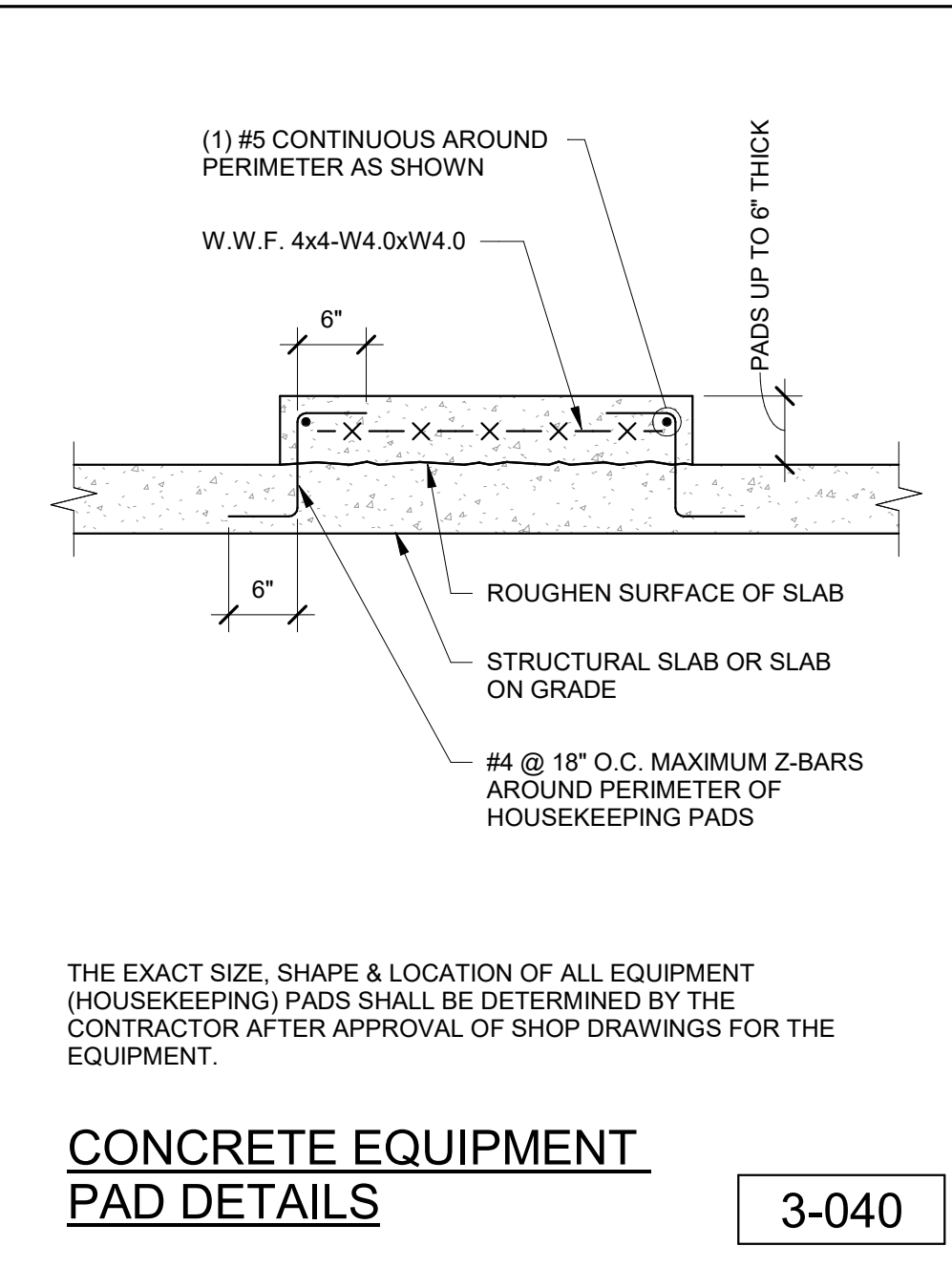
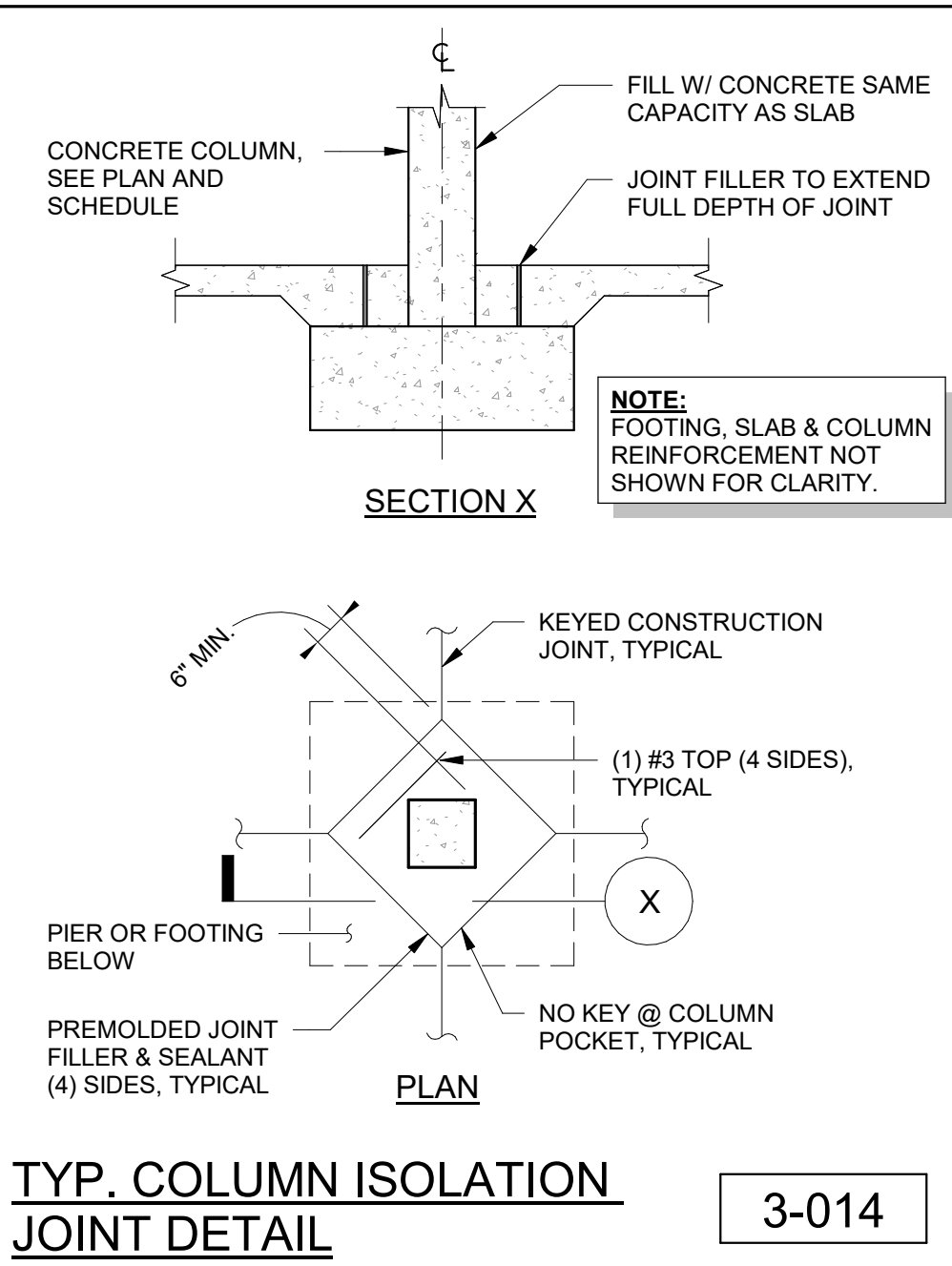
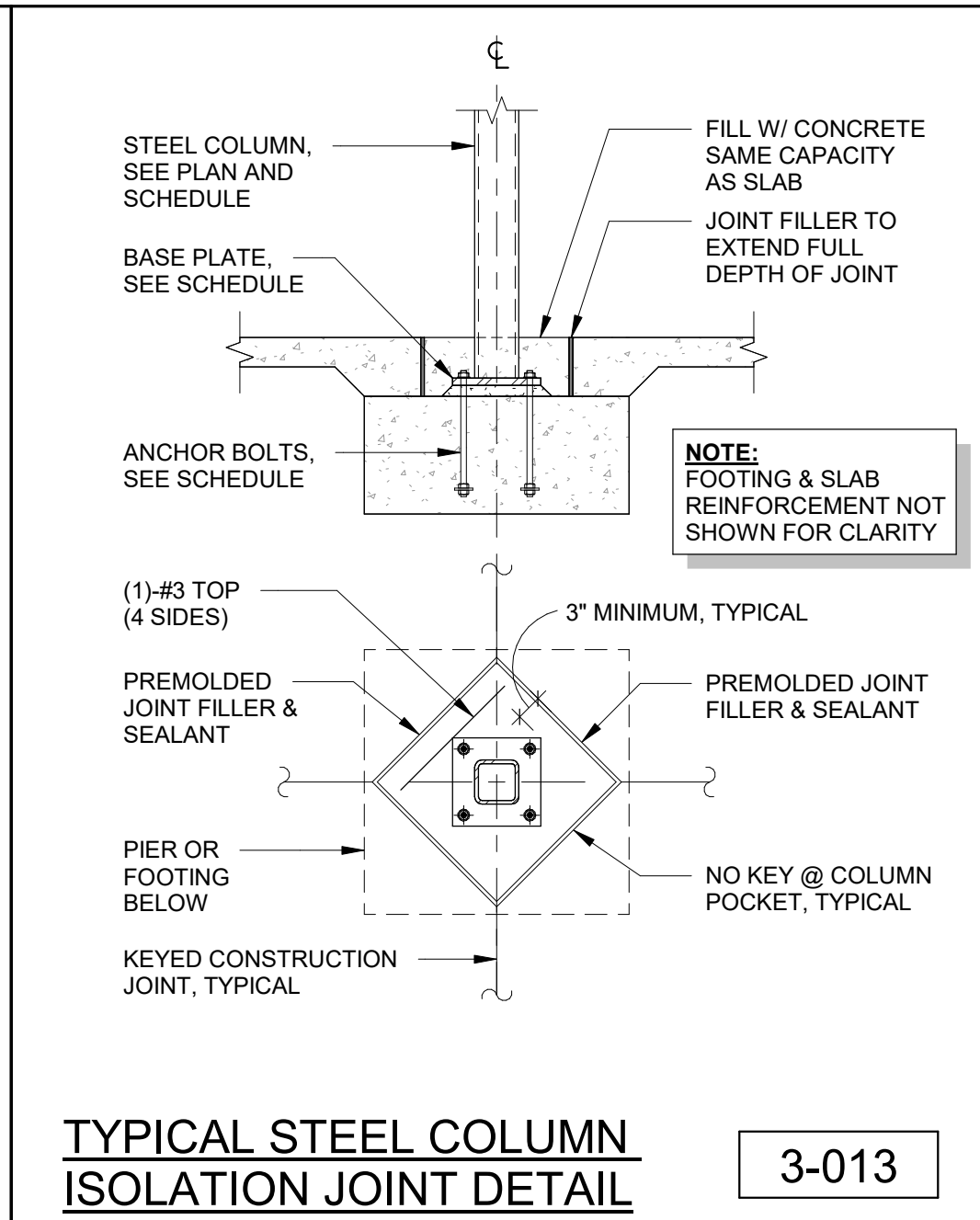
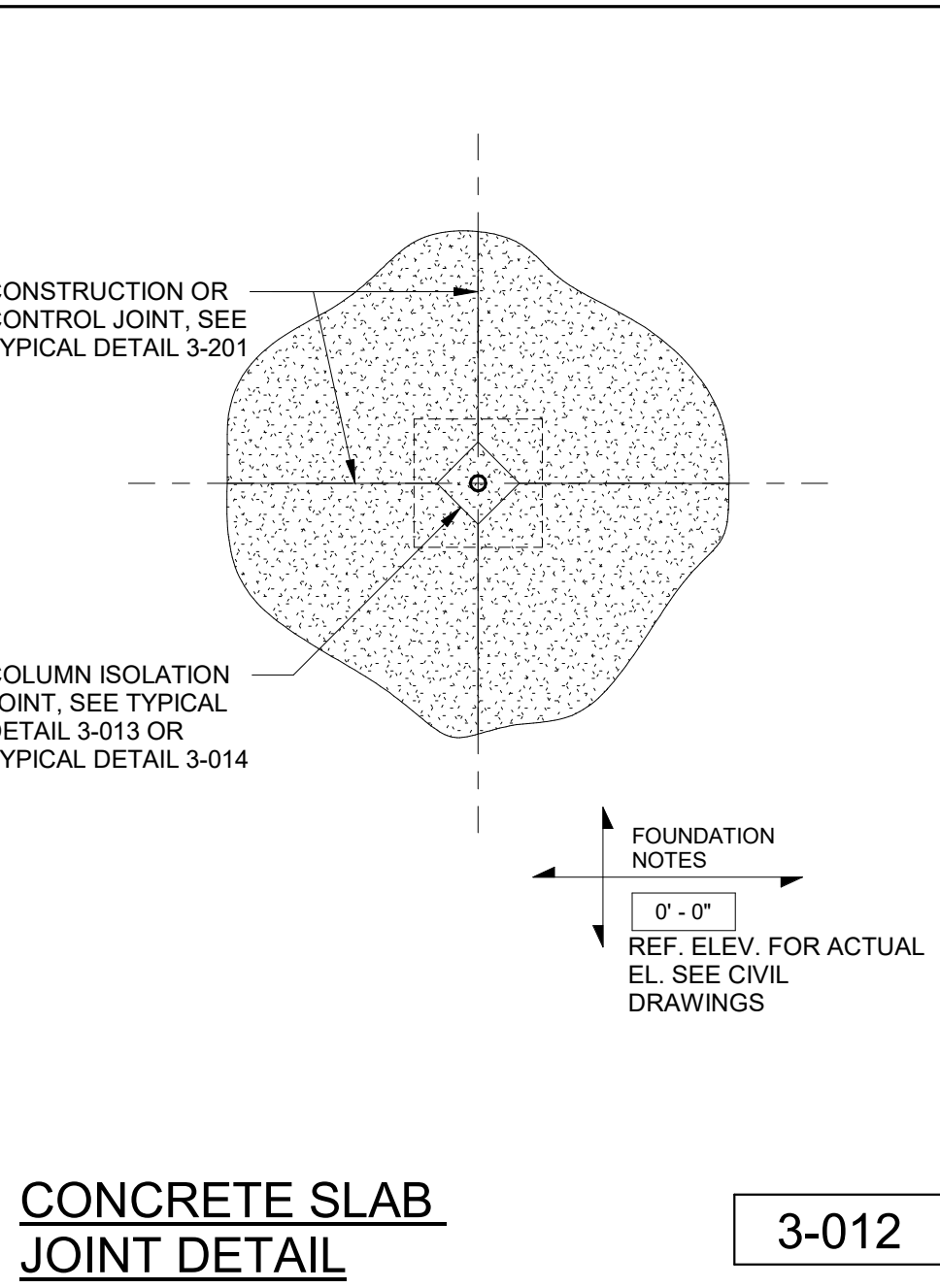
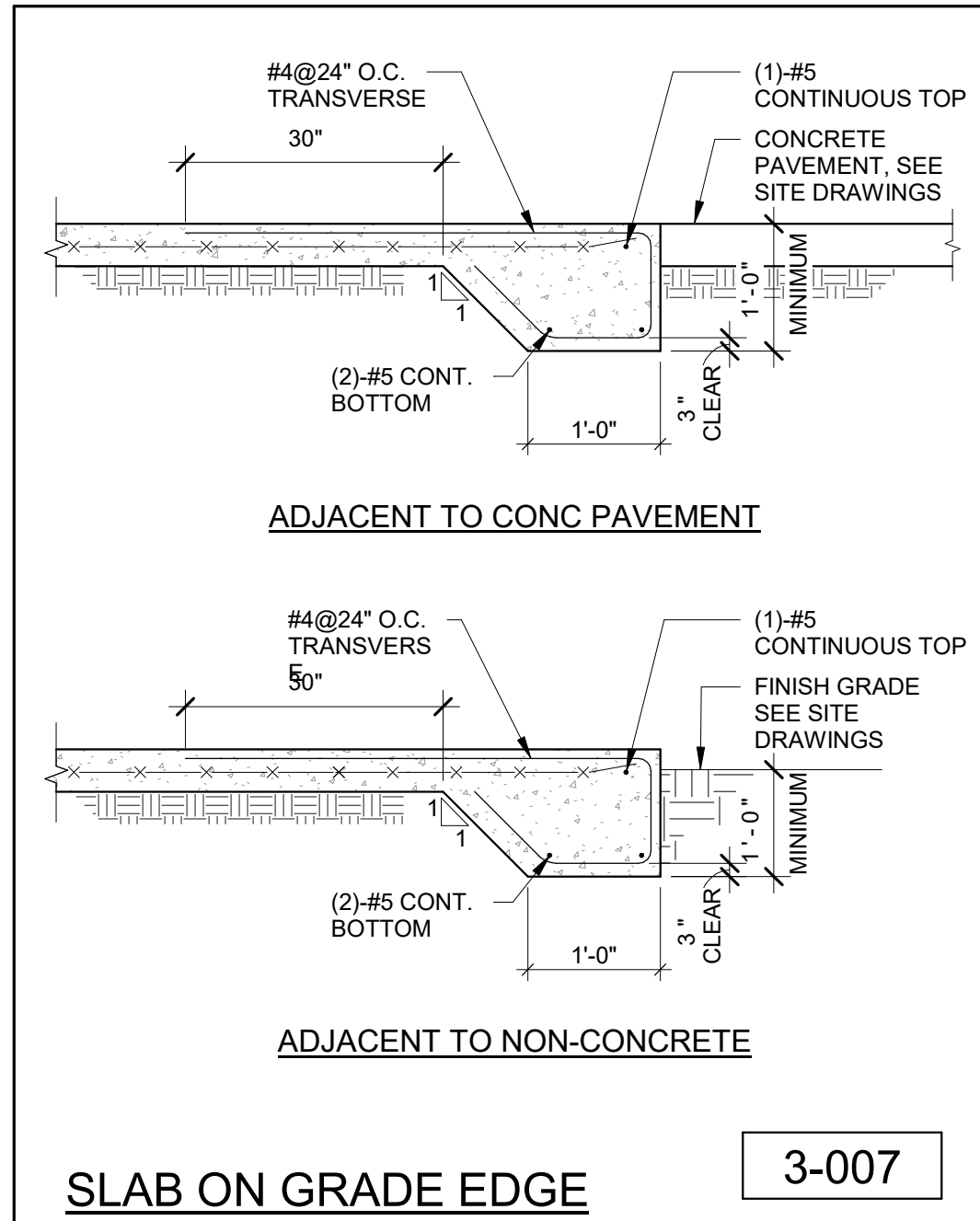
**PROJECT:**  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

**REVISIONS:**  
# 08/22/2025 CONFORMED SET

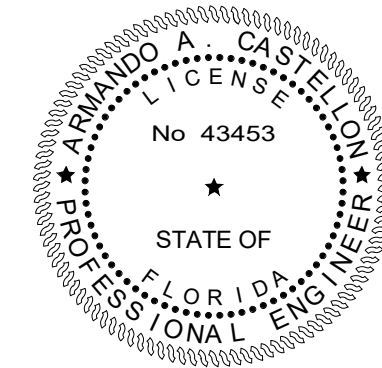
**TITLE:** MISCELLANEOUS  
STRUCTURE - STORAGE BIN & MONUMENT SIGN DETAILS  
**DATE:** 08/20/25  
**DRAWN BY:** AN/AM  
**CHECKED BY:** AC

**SHEET:**  
S212  
OF 8

ISSUED FOR CONSTRUCTION 11/21/2025



NOTE:  
IN CASE OF CONFLICT BETWEEN INFORMATION SHOWN ON THIS DRAWING, SECTION DRAWINGS OR ARCHITECTURAL  
DRAWINGS, THE SECTION DRAWINGS SHALL PREVAIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL  
NECESSARY PERMITS AND APPROVALS BEFORE PROCEEDING TO WORK. DIMENSIONS, SIZES AND REINFORCEMENT OF  
STRUCTURAL ELEMENTS SHOWN IN THIS DRAWING ARE MINIMUM TO BE USED UNLESS NOTED OTHERWISE (U.N.O.) IN PLANS.



TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE

**CARTAYA & ASSOCIATES**  
ARCHITECTS P.A.  
cartayaandassociates.com

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P.E. #4261 PROJ. NO. 1333-001-1-1

**PROJECT:**  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

**REVISIONS:**

**TITLE:**  
TYPICAL DETAILS

**JOB NO.:**  
2122

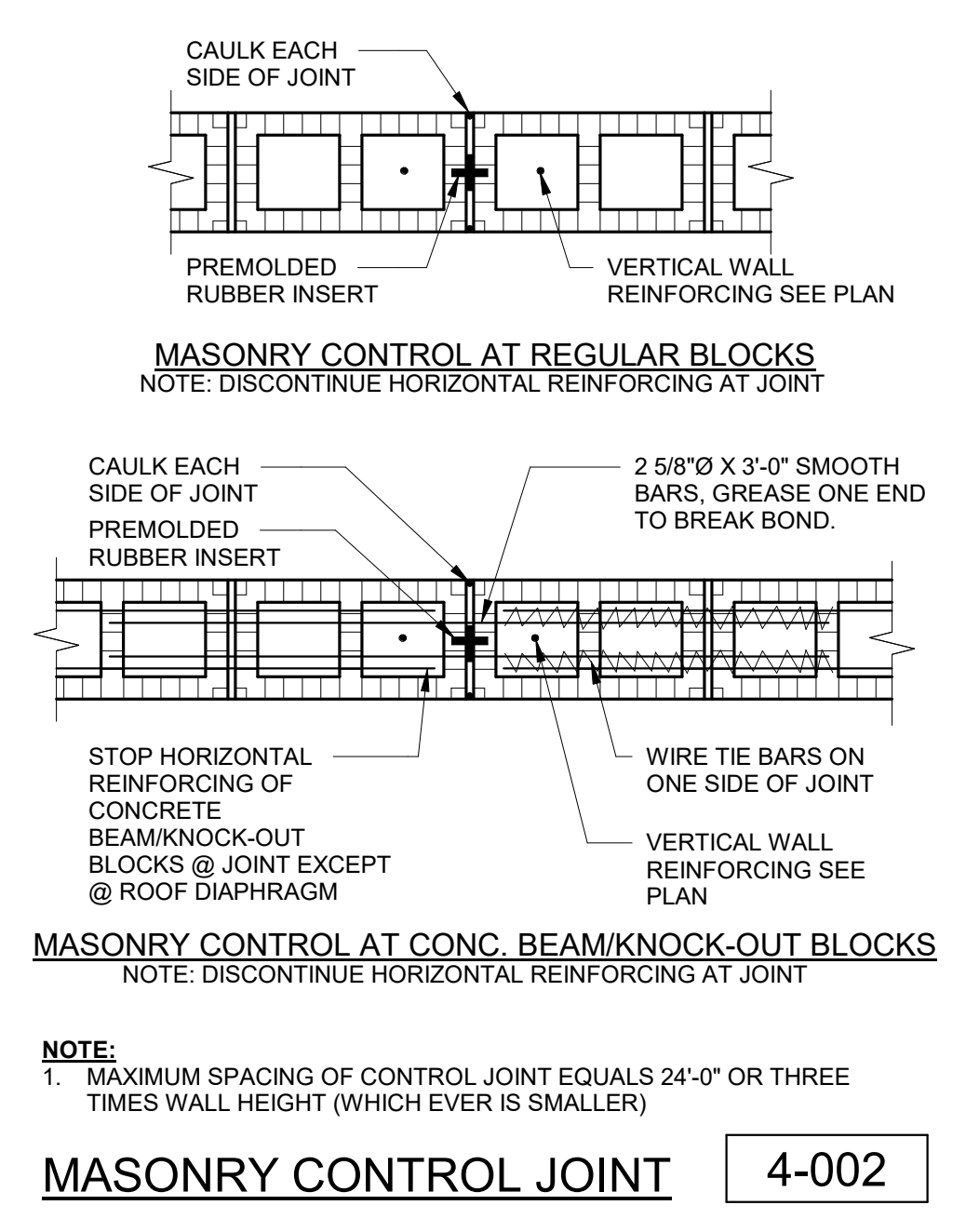
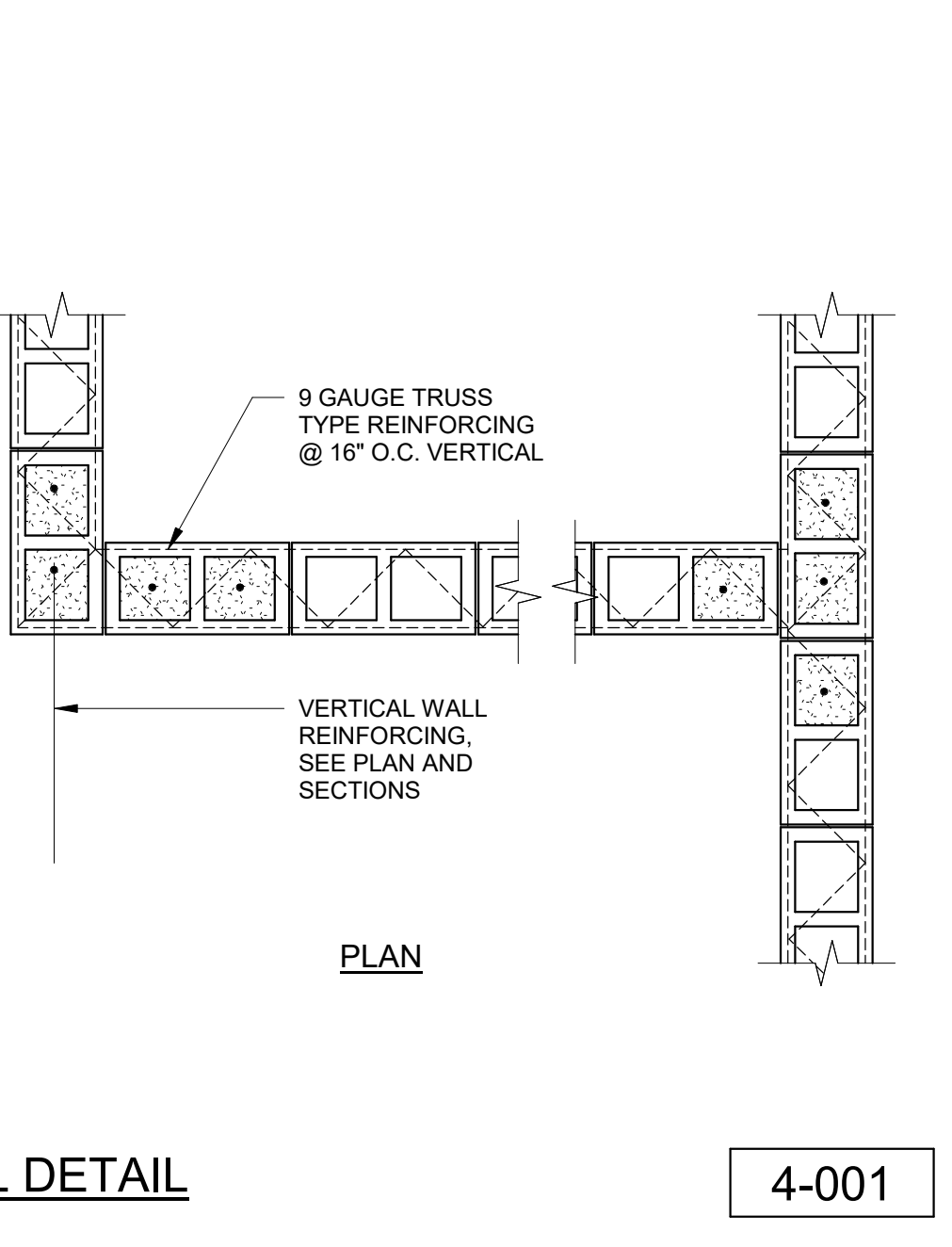
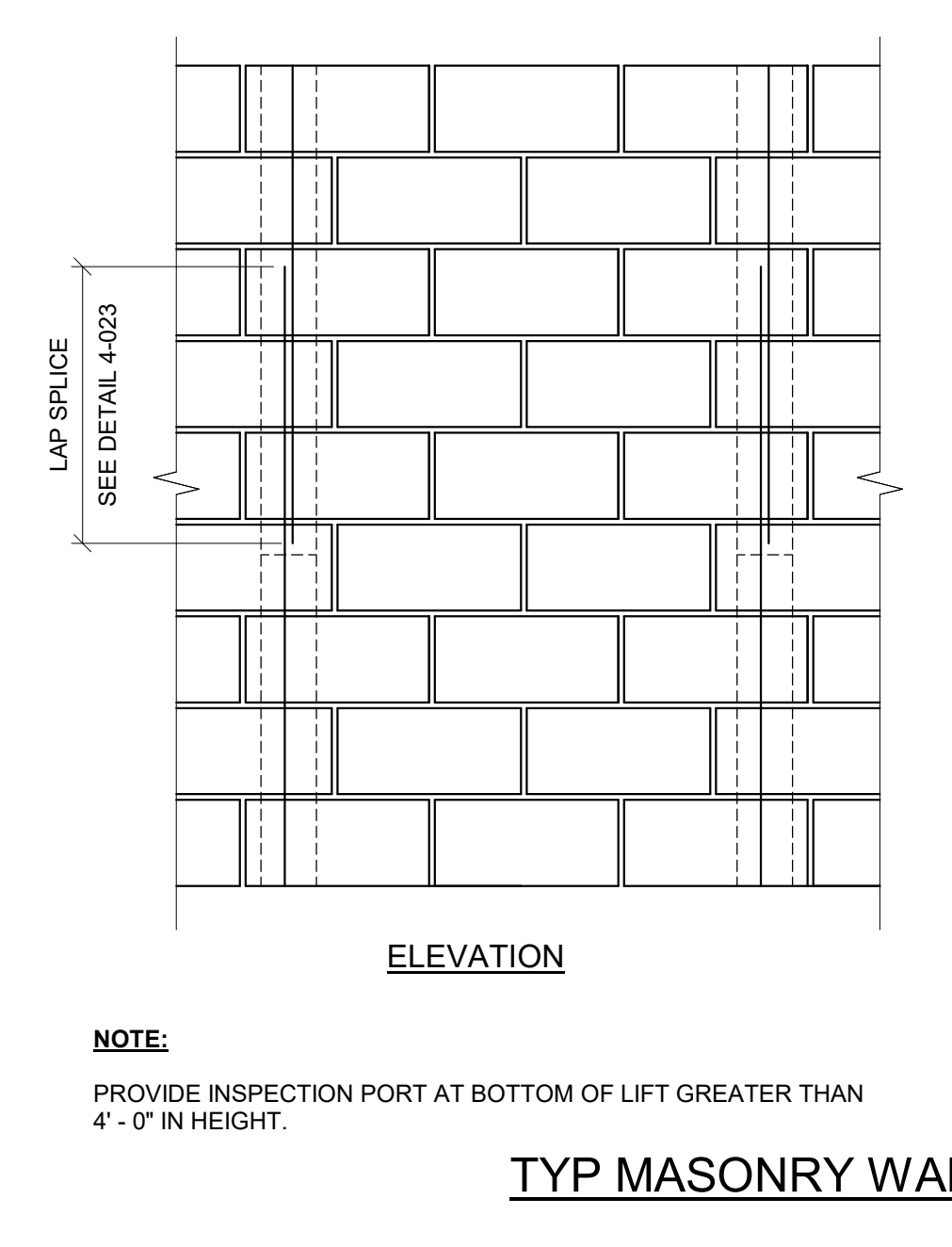
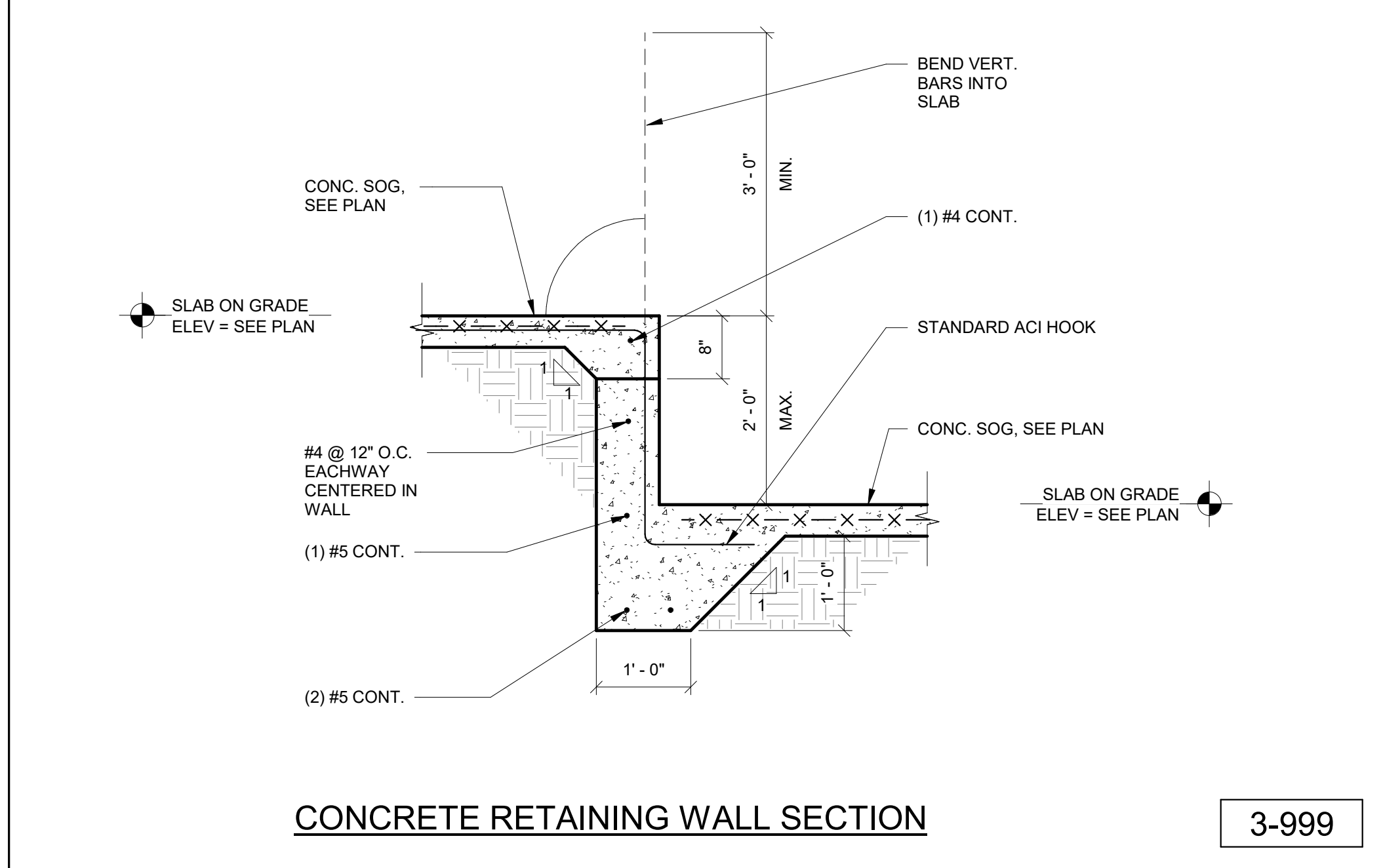
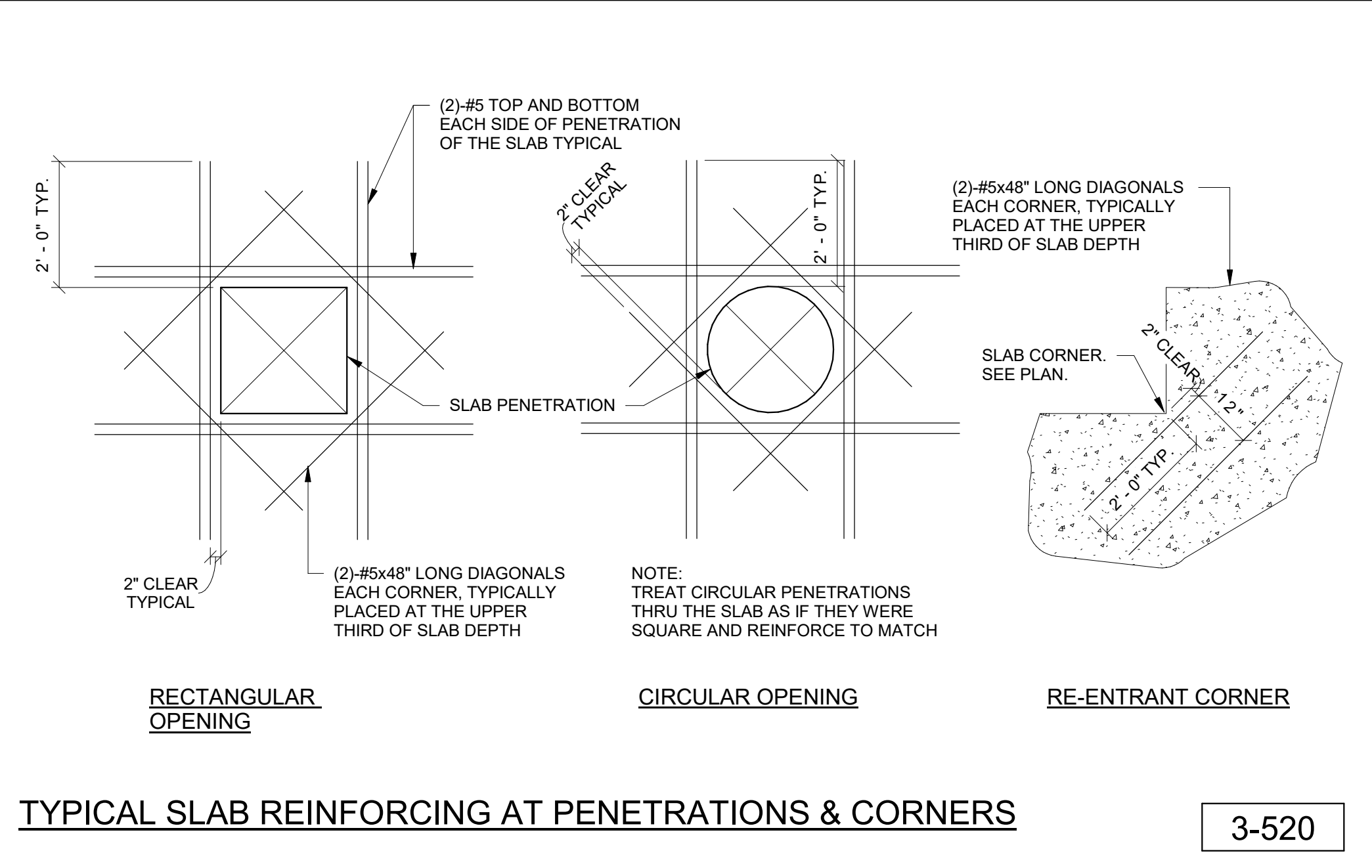
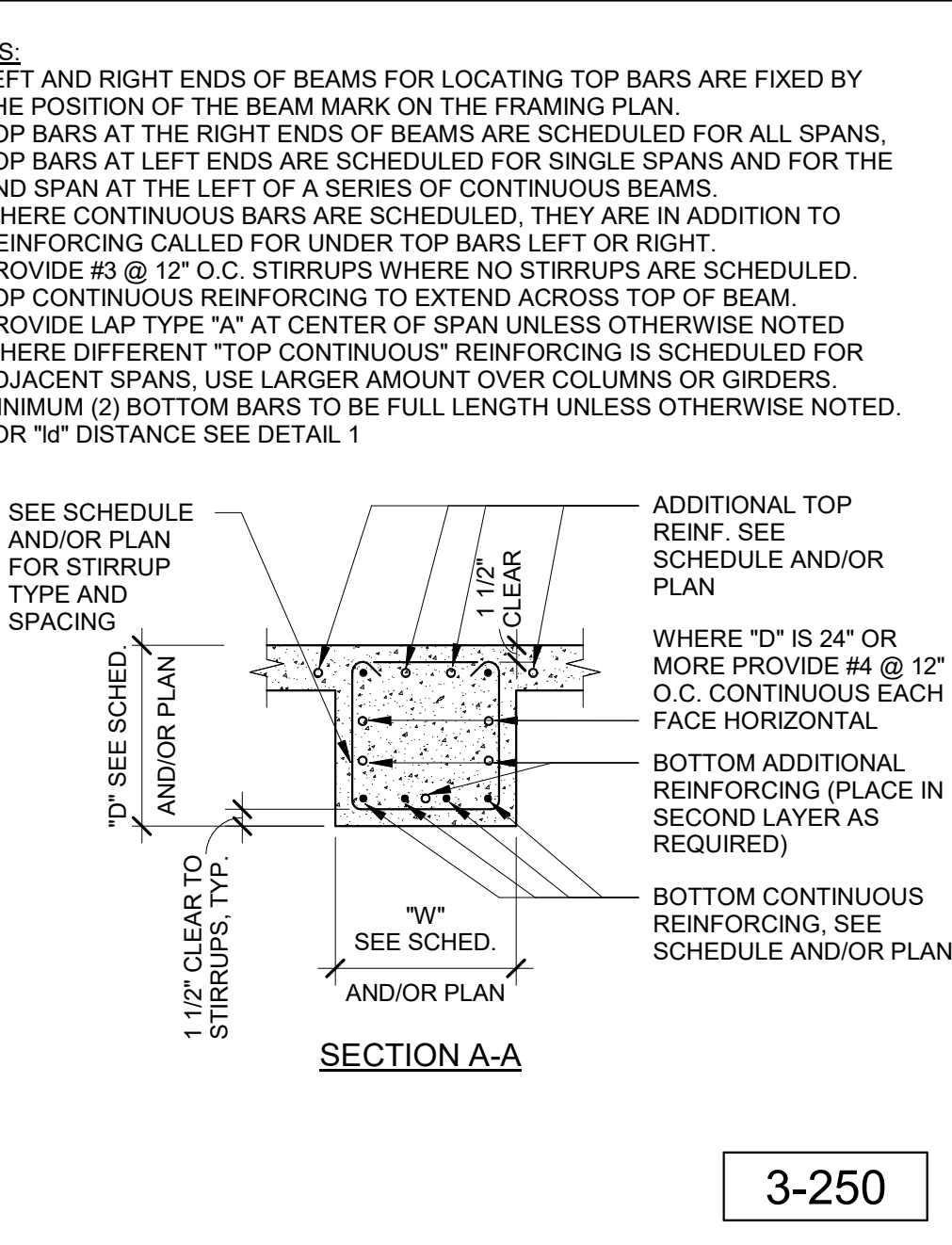
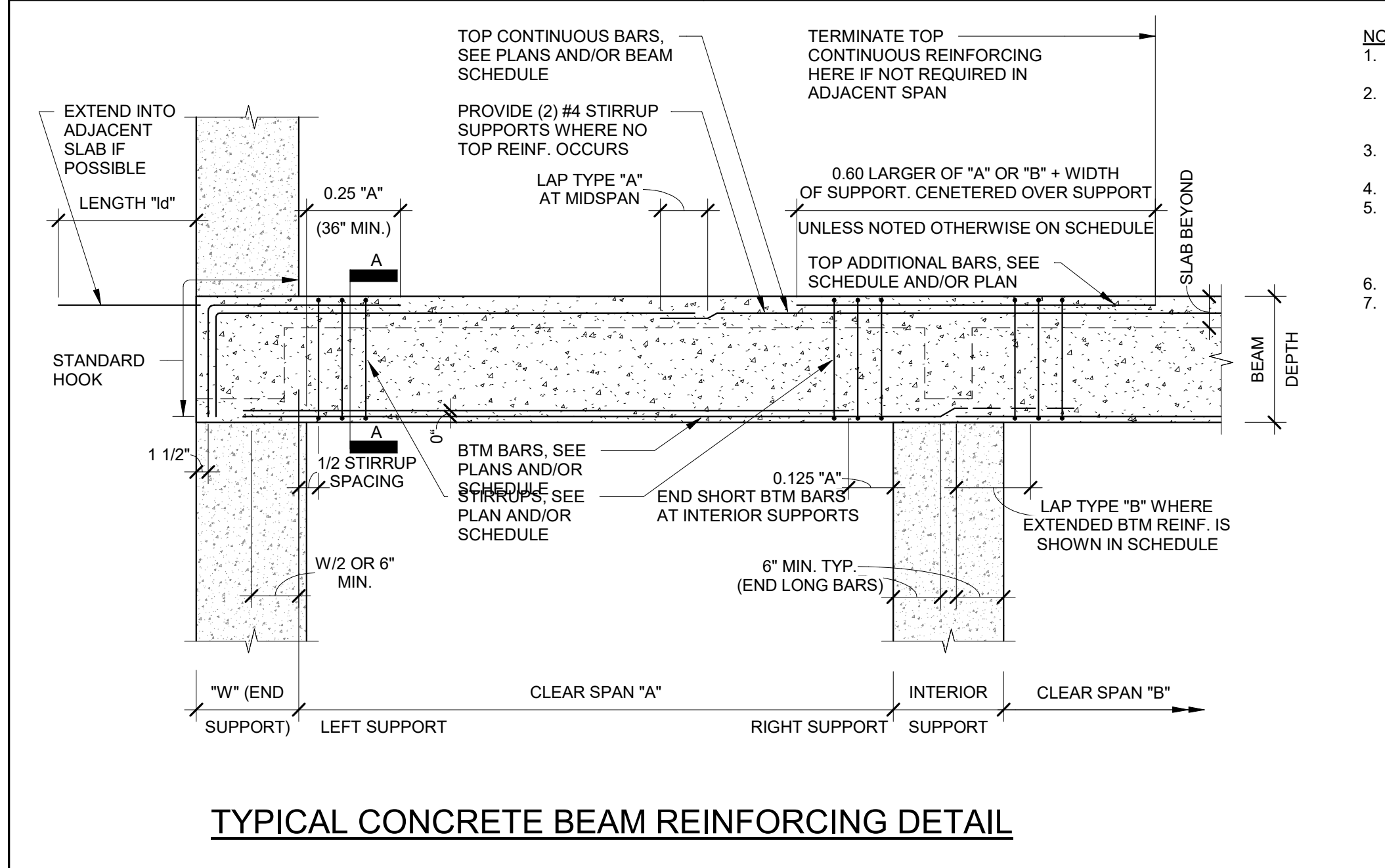
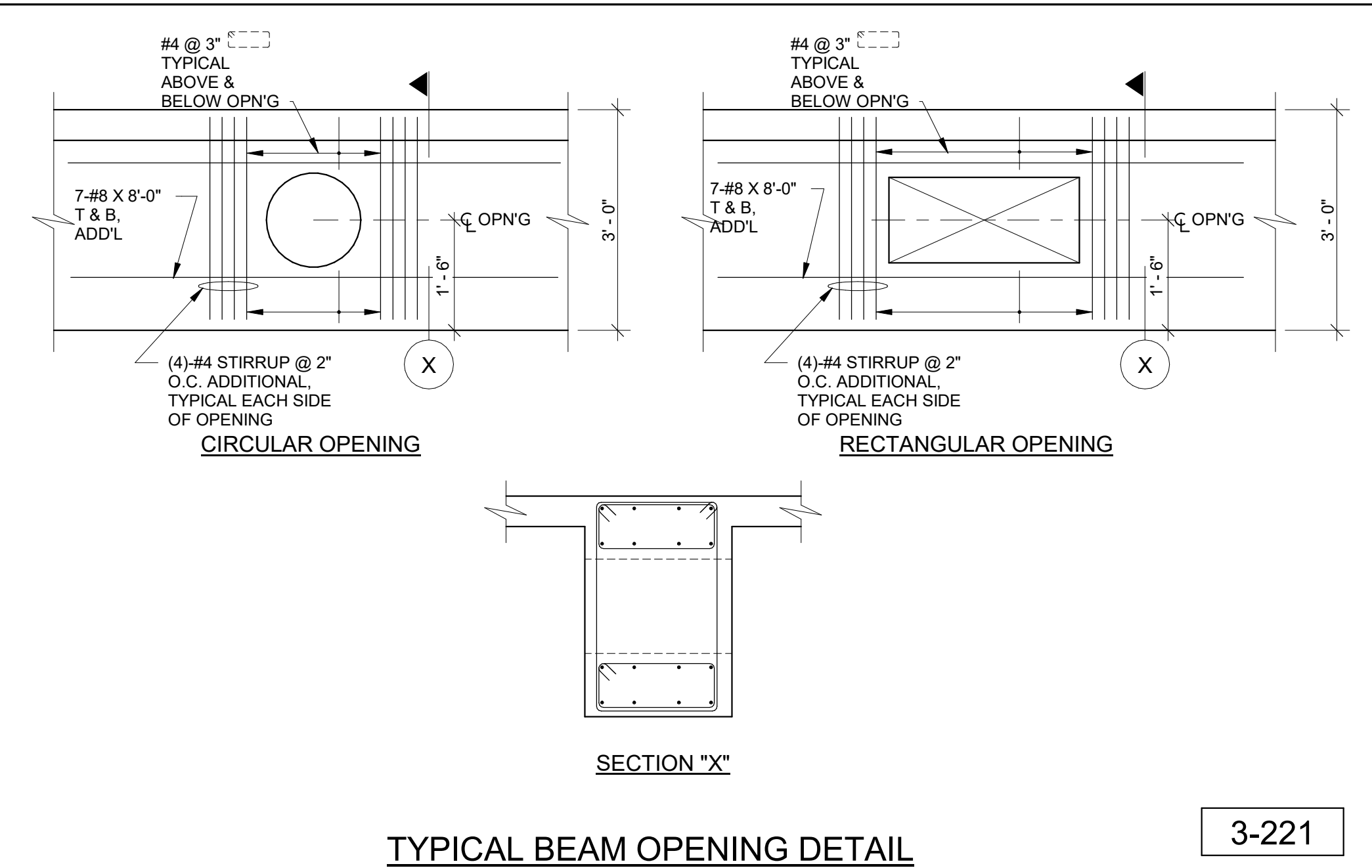
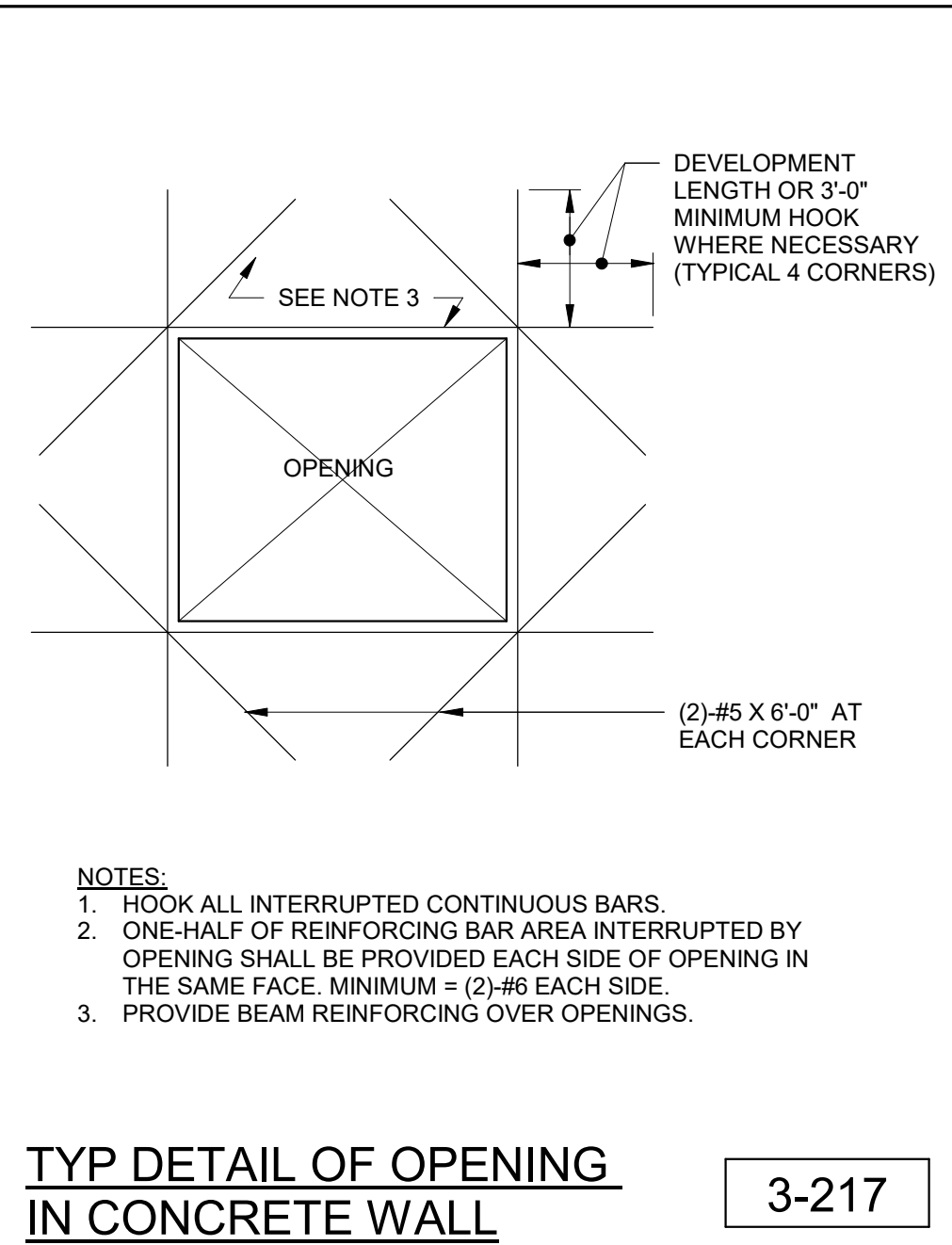
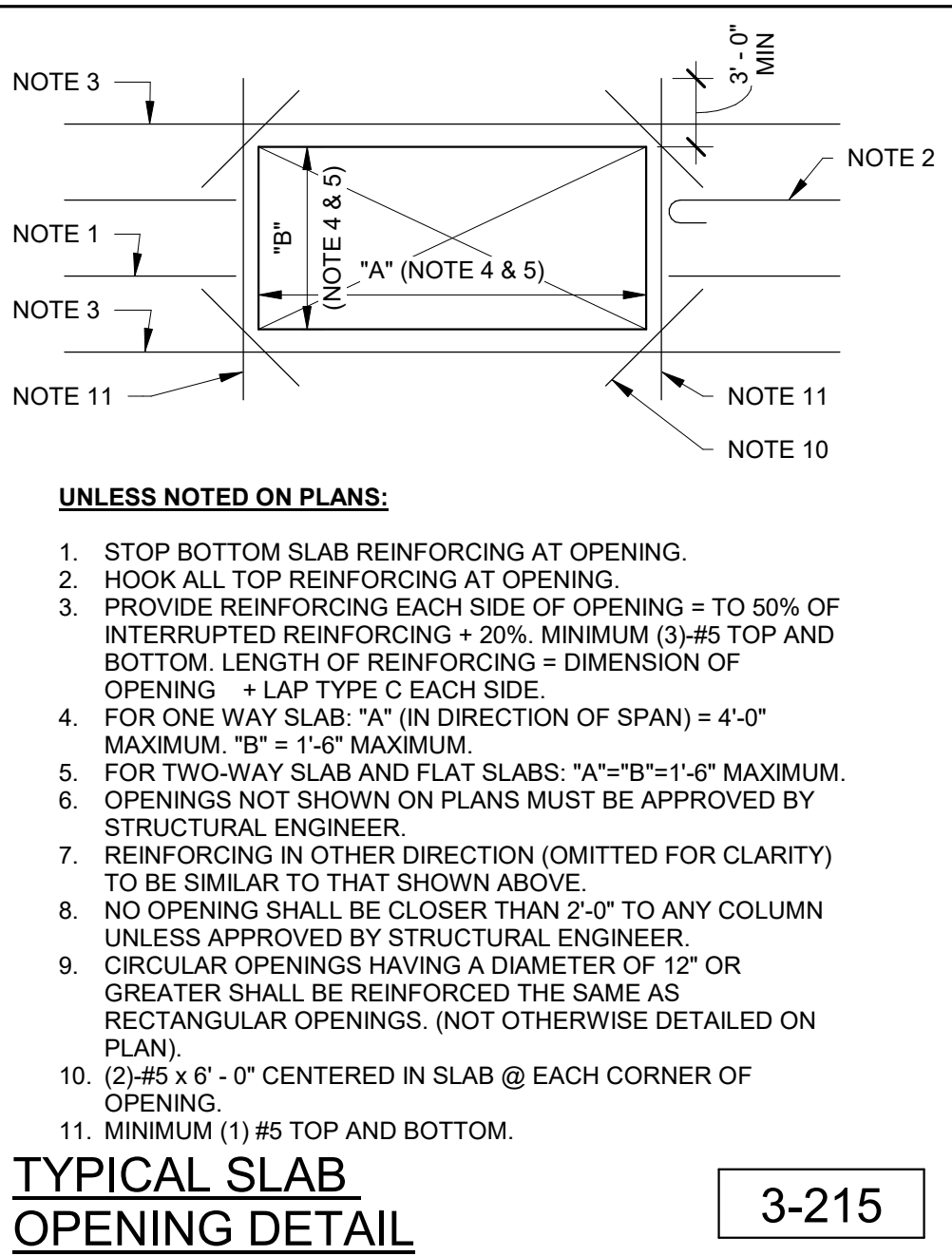
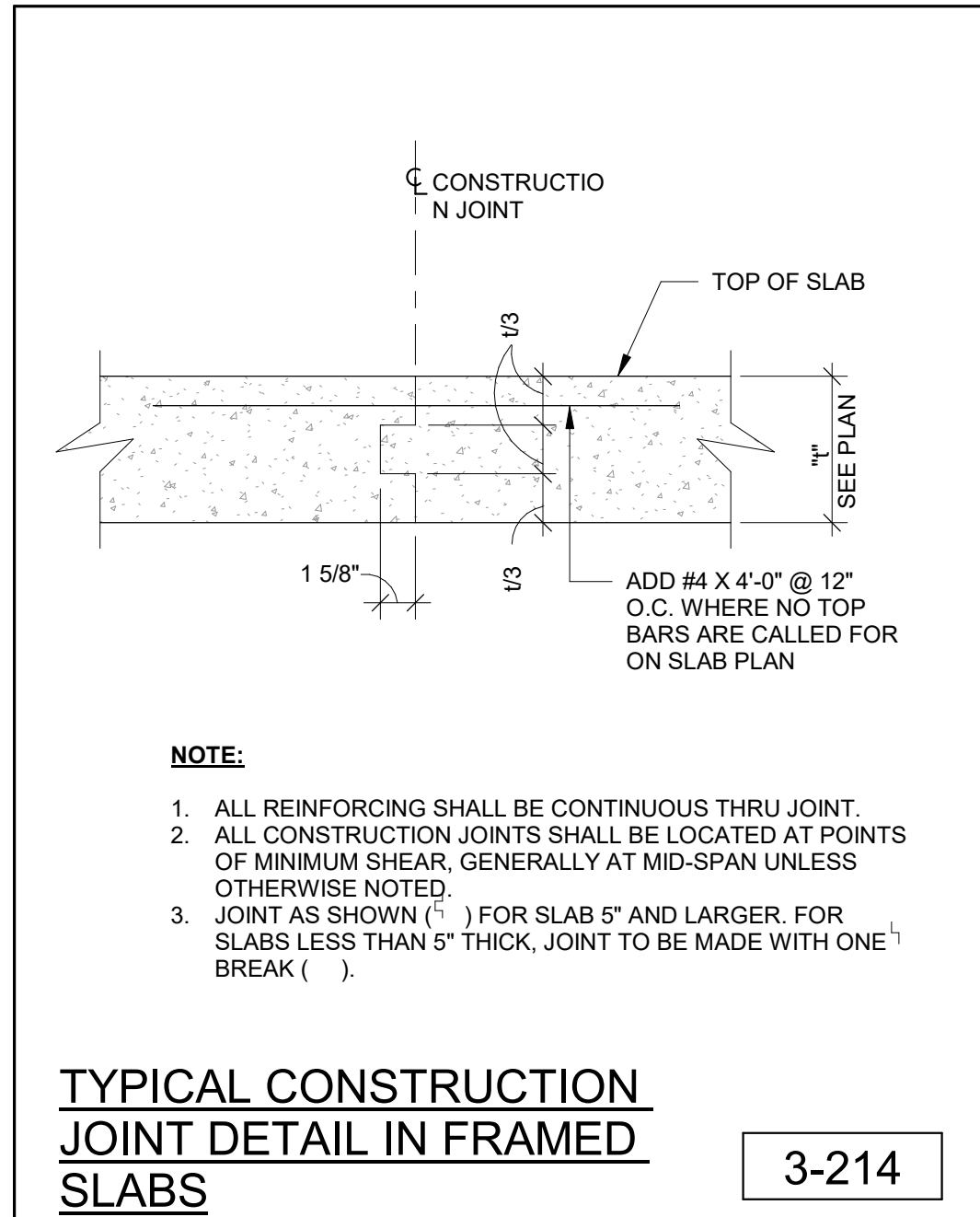
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S301  
OF

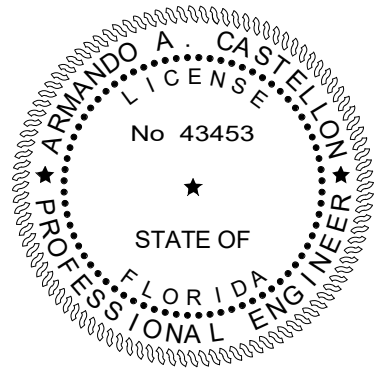
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TYPICAL DETAILS

DATE: Dec. 27, 2022  
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2122

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S304  
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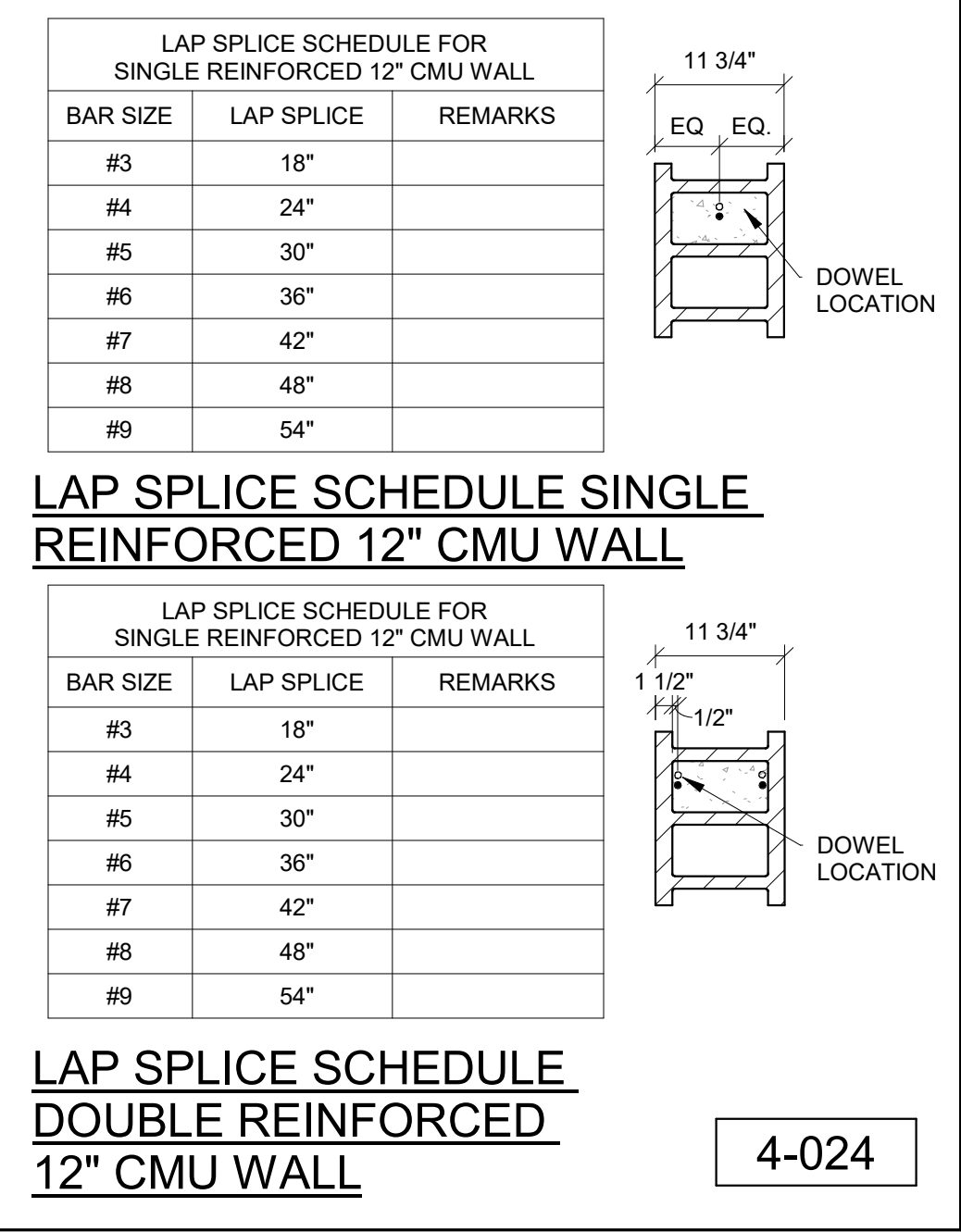
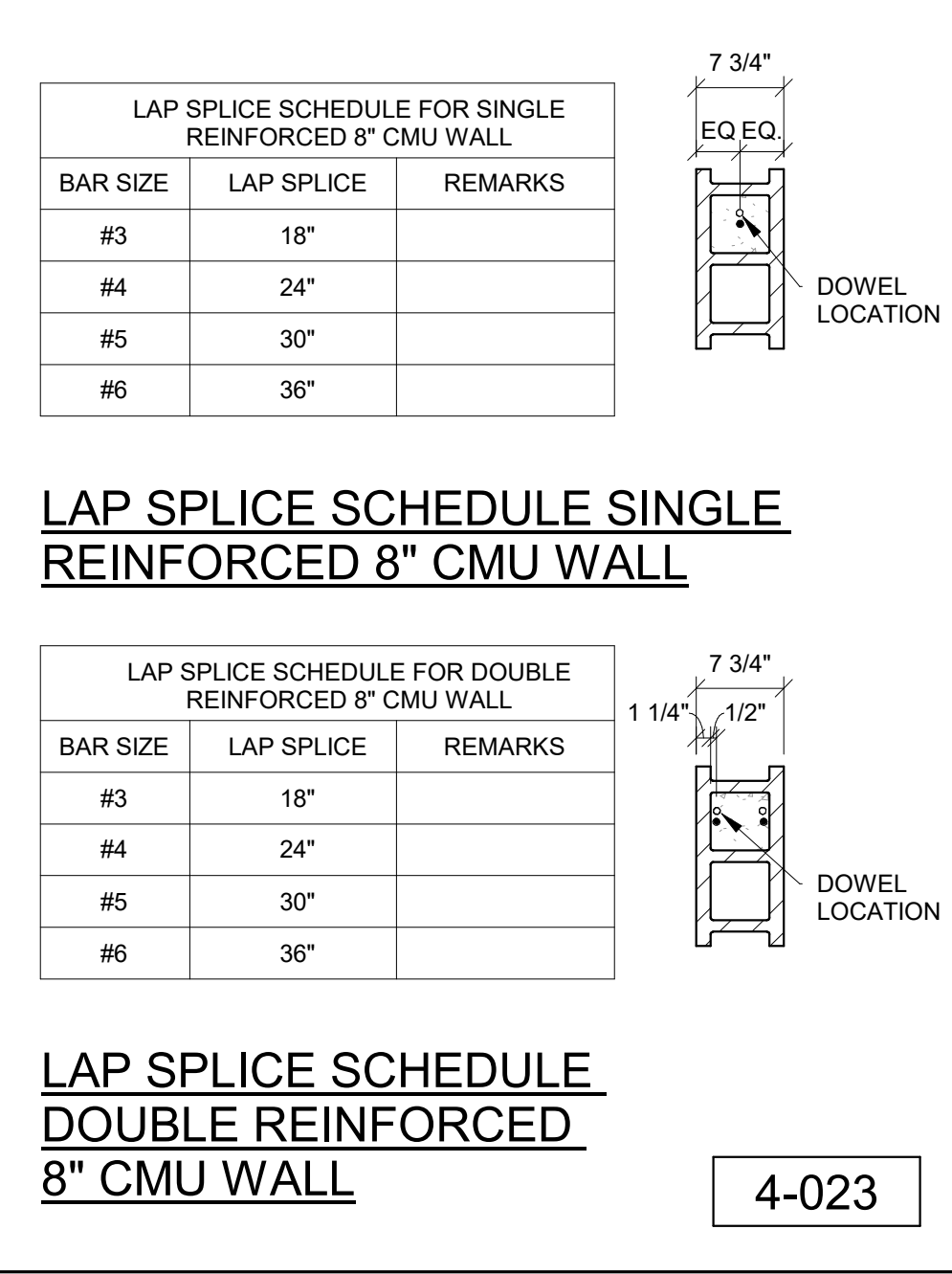
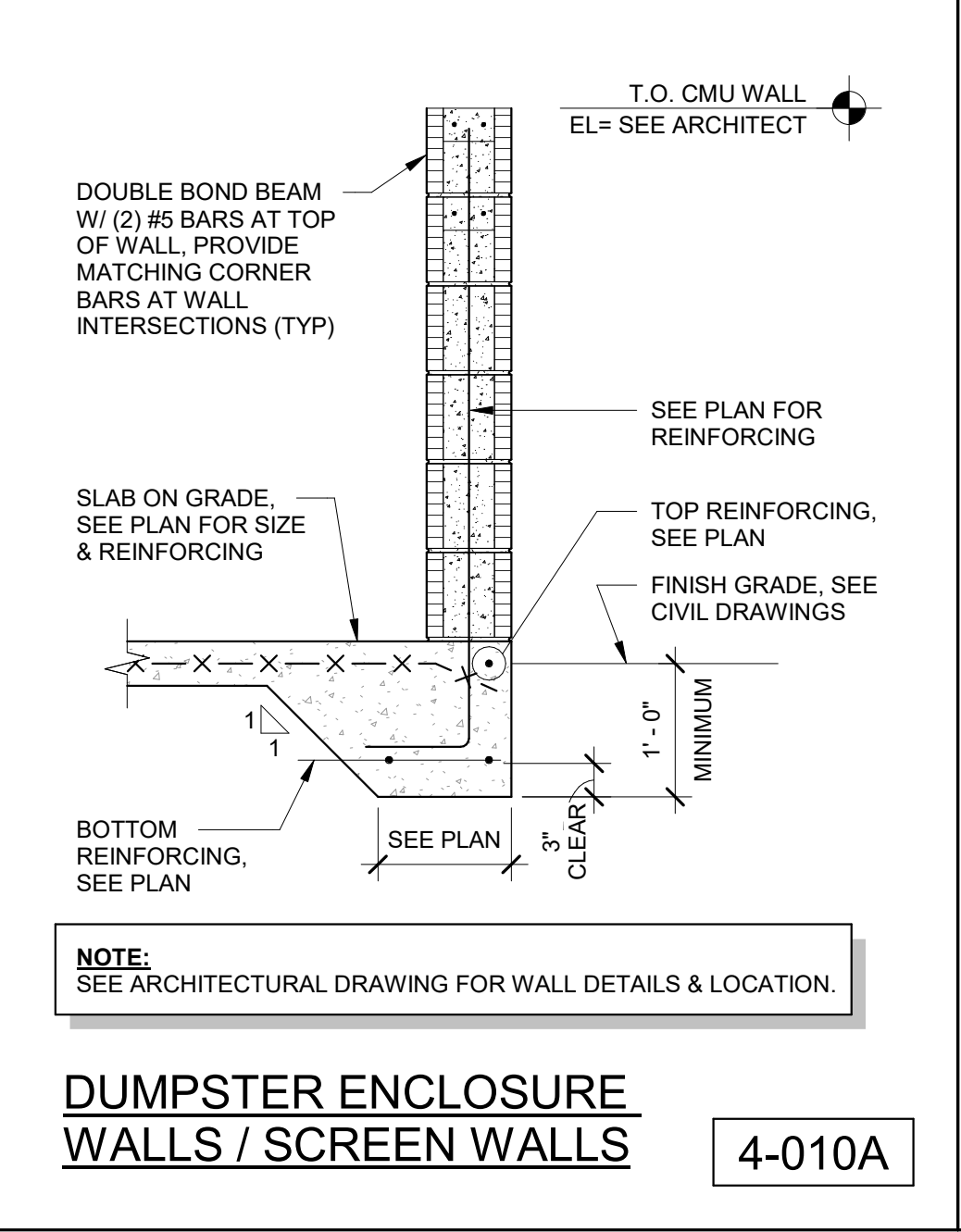
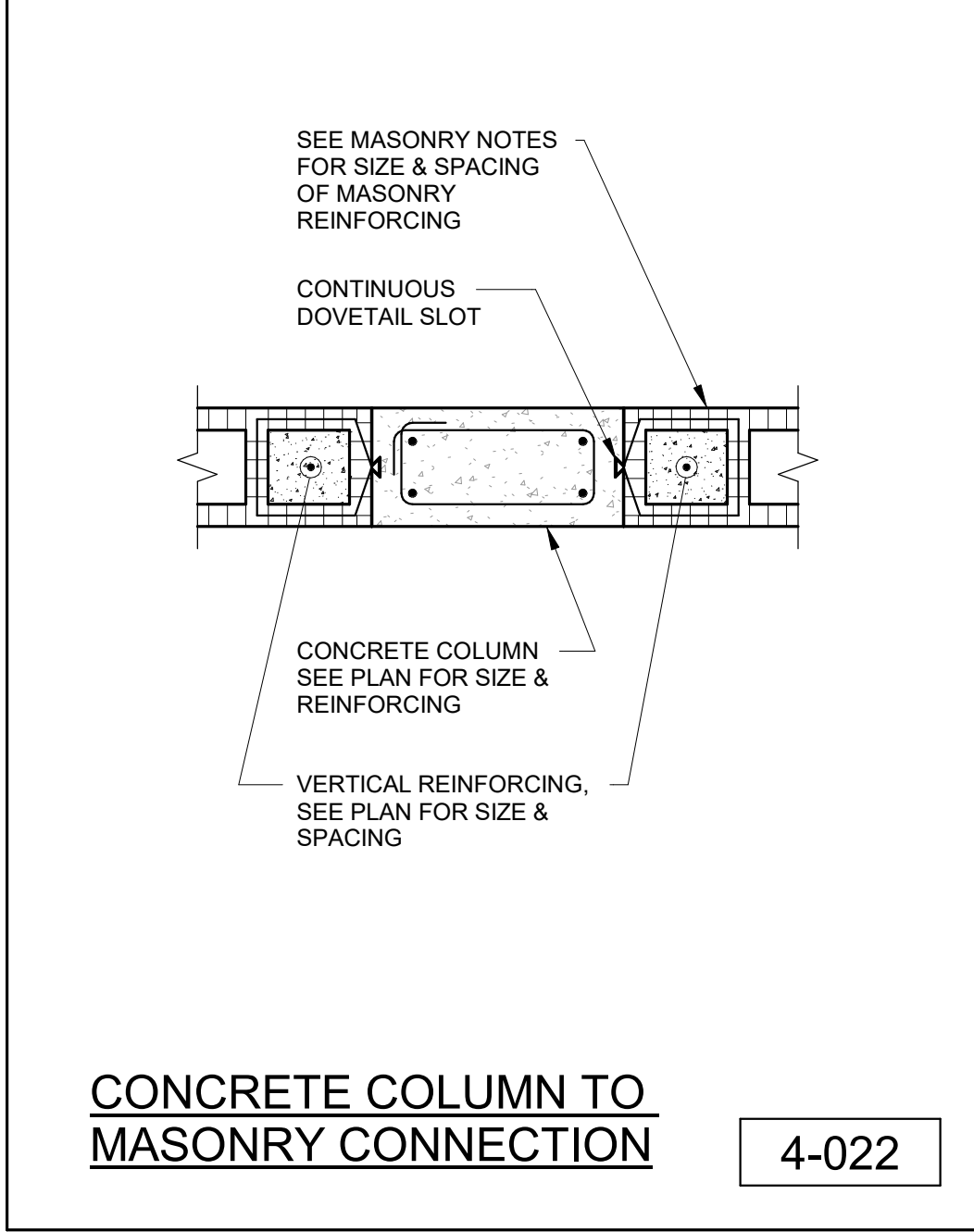
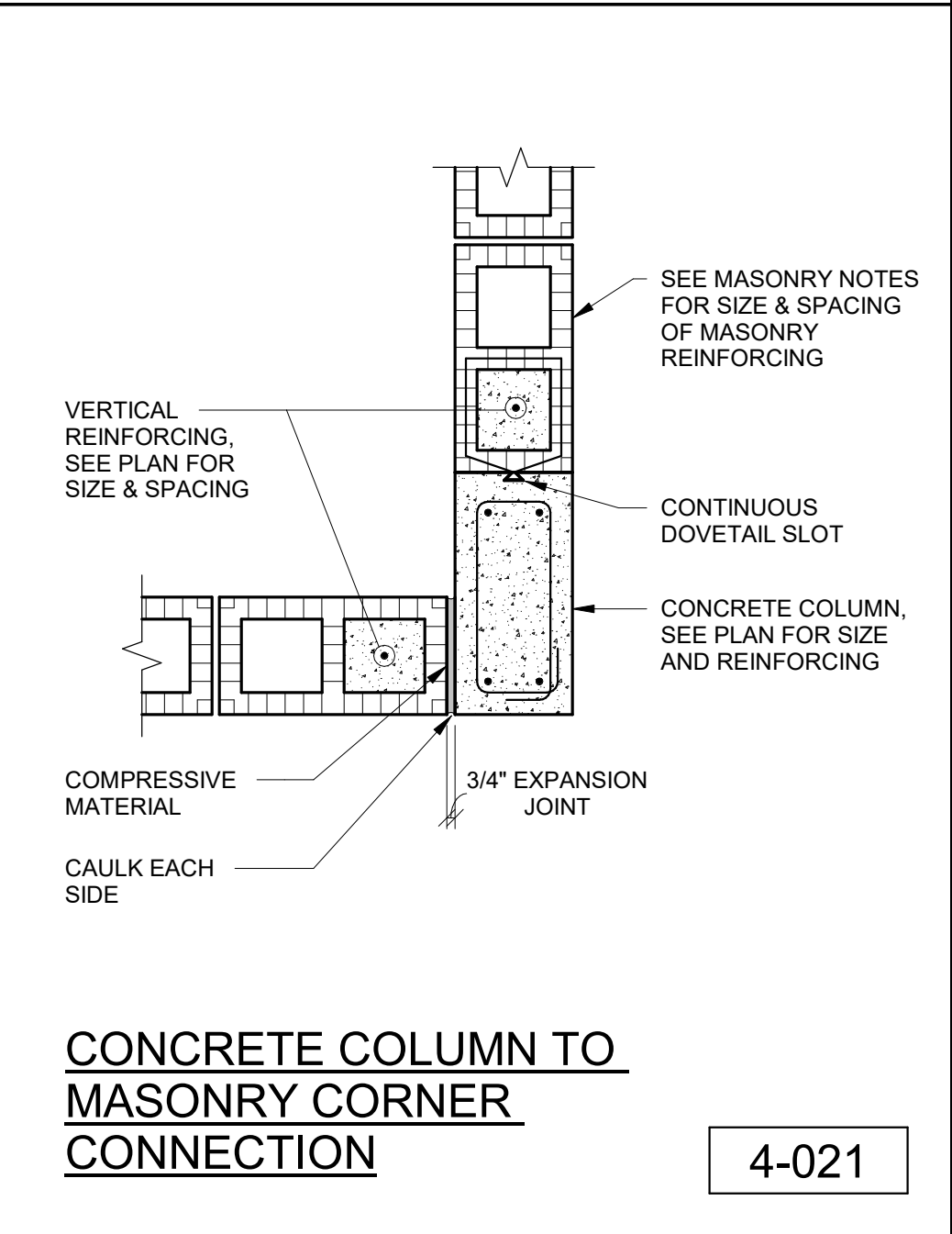
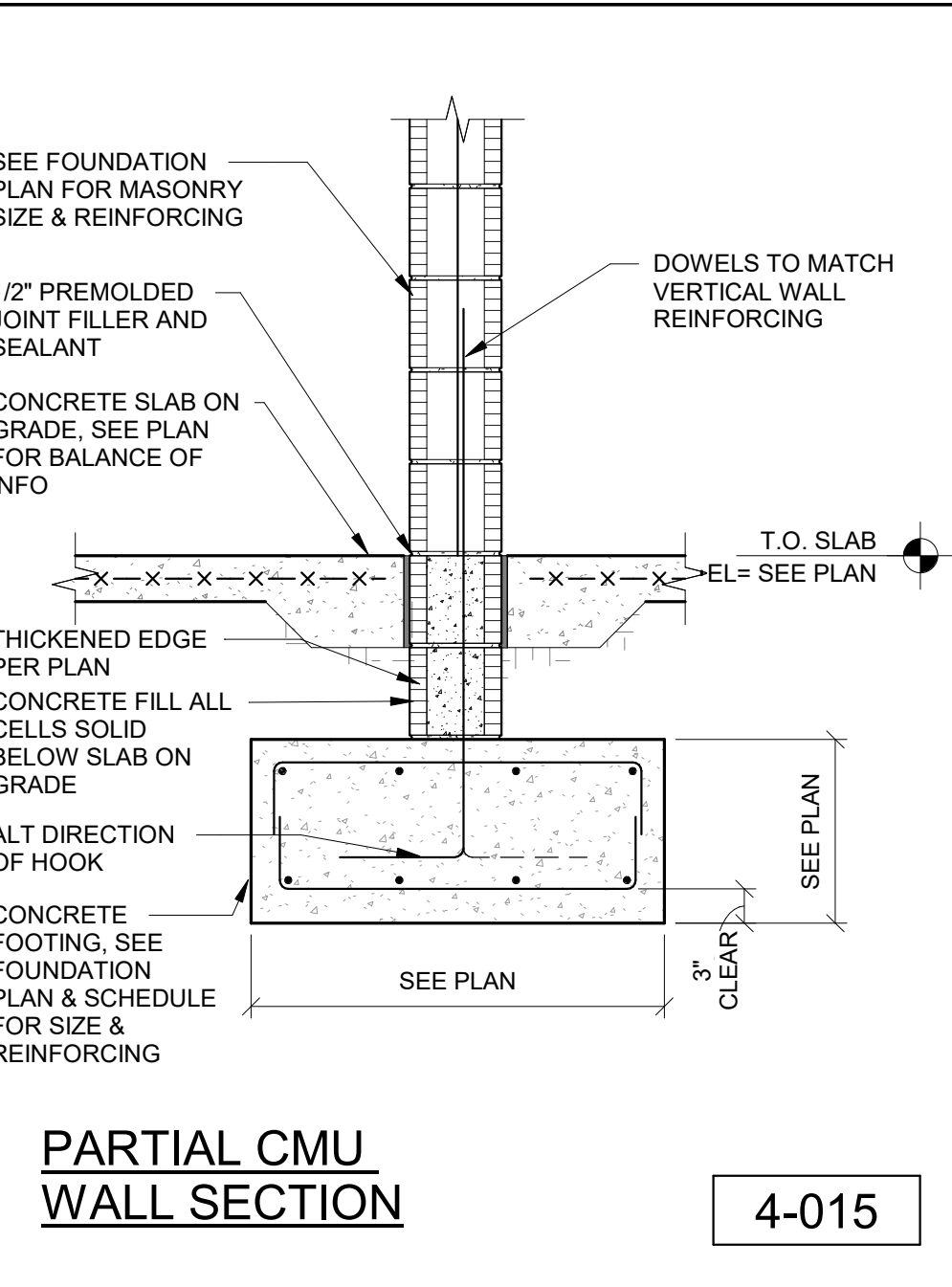
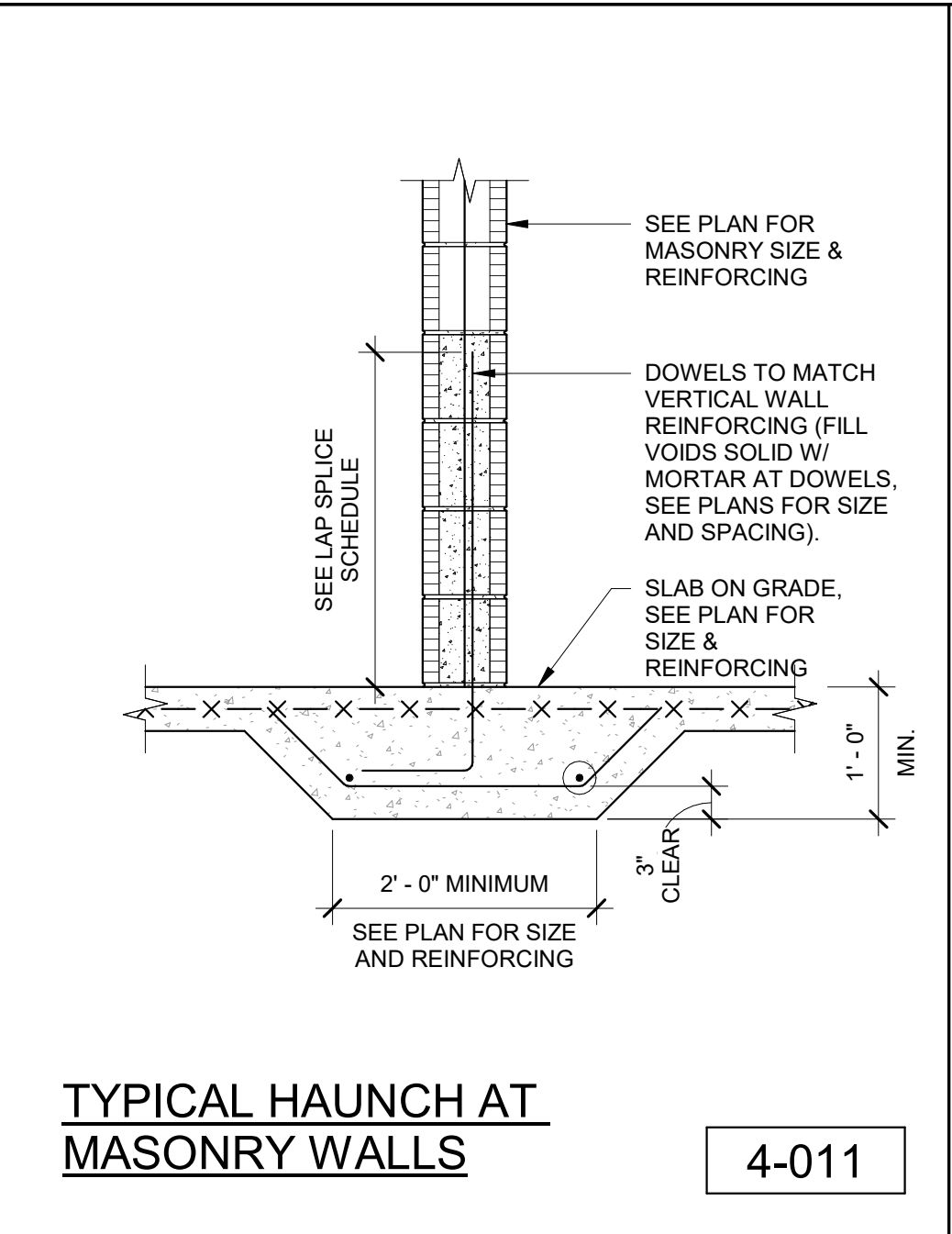
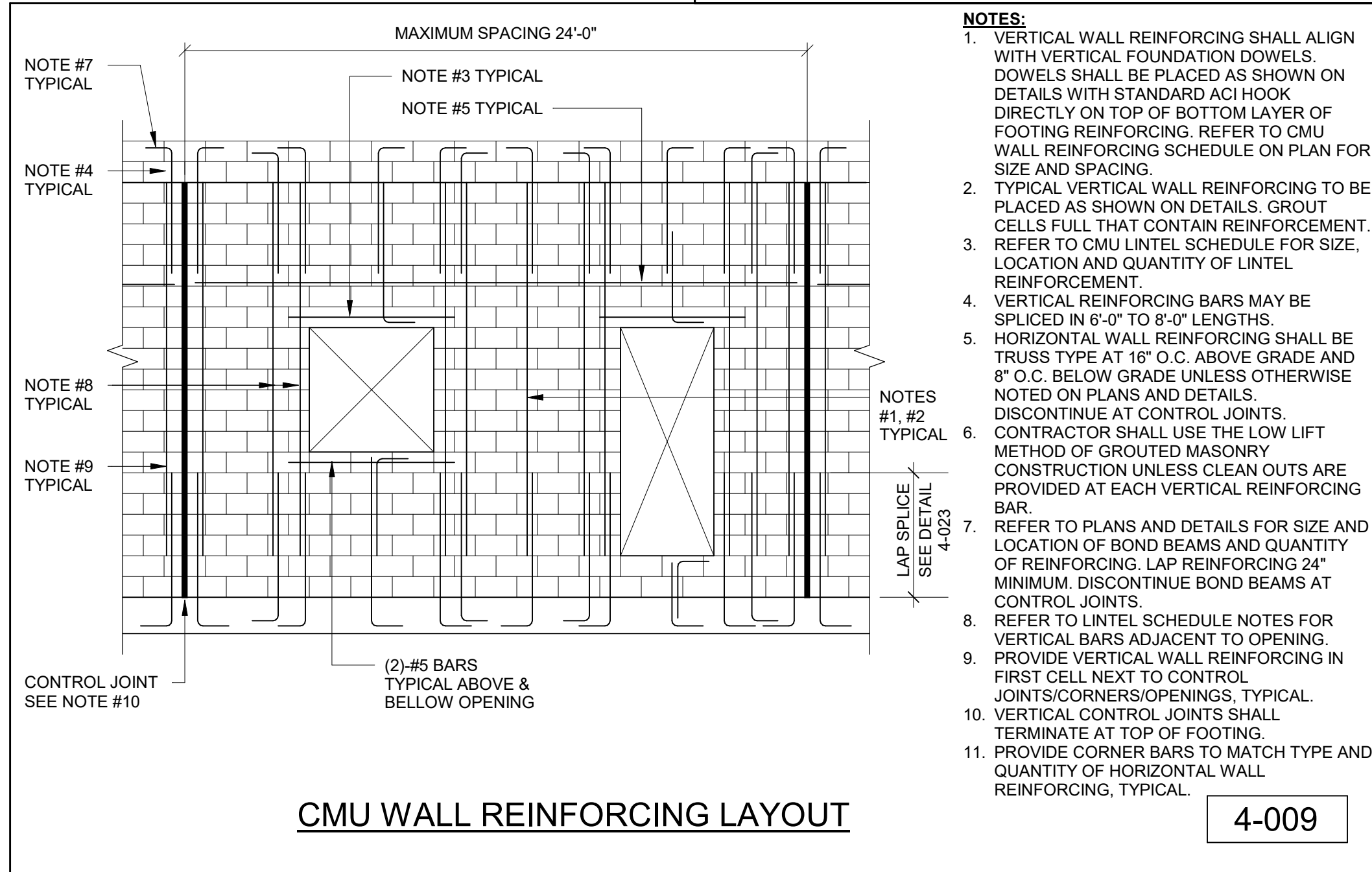
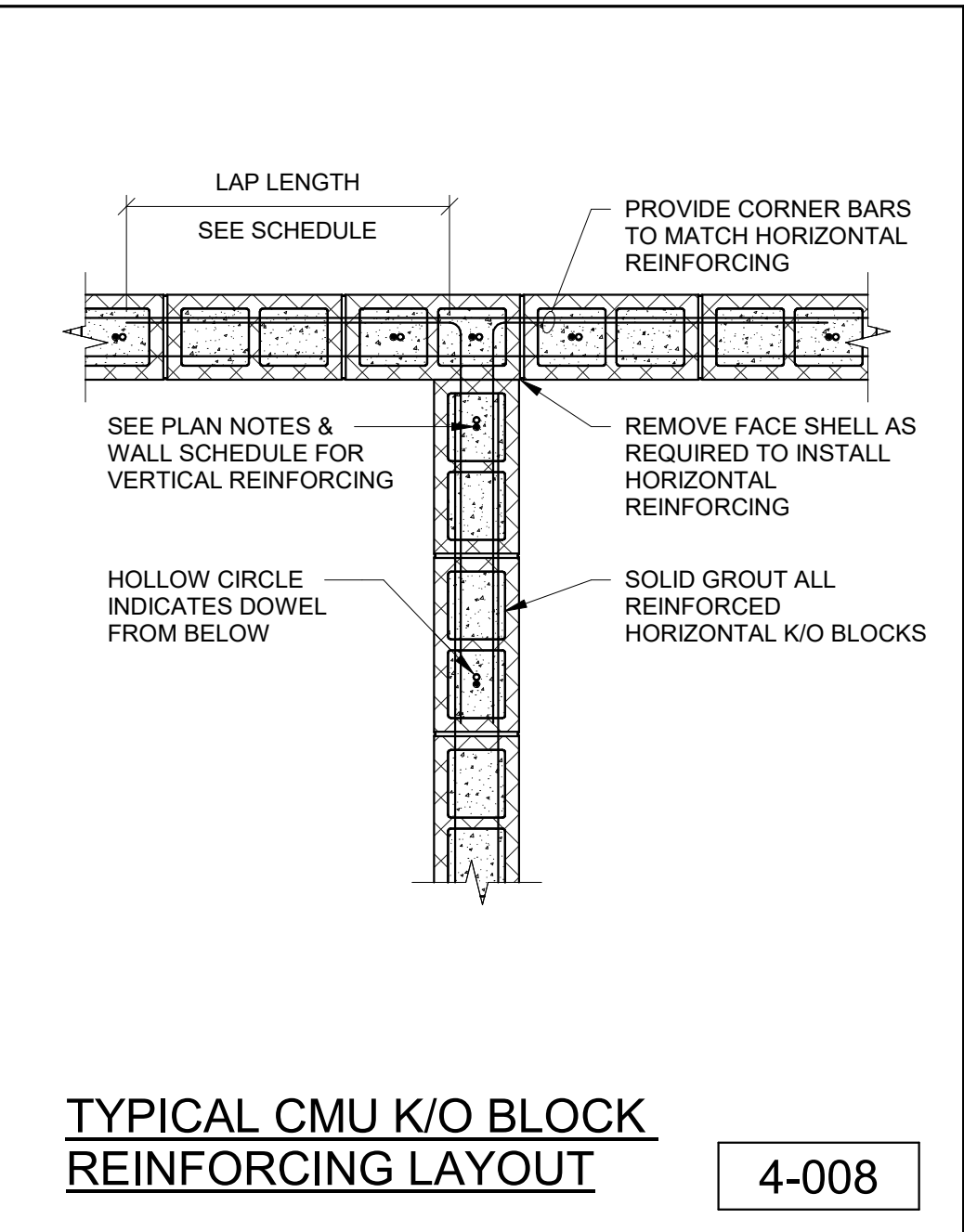
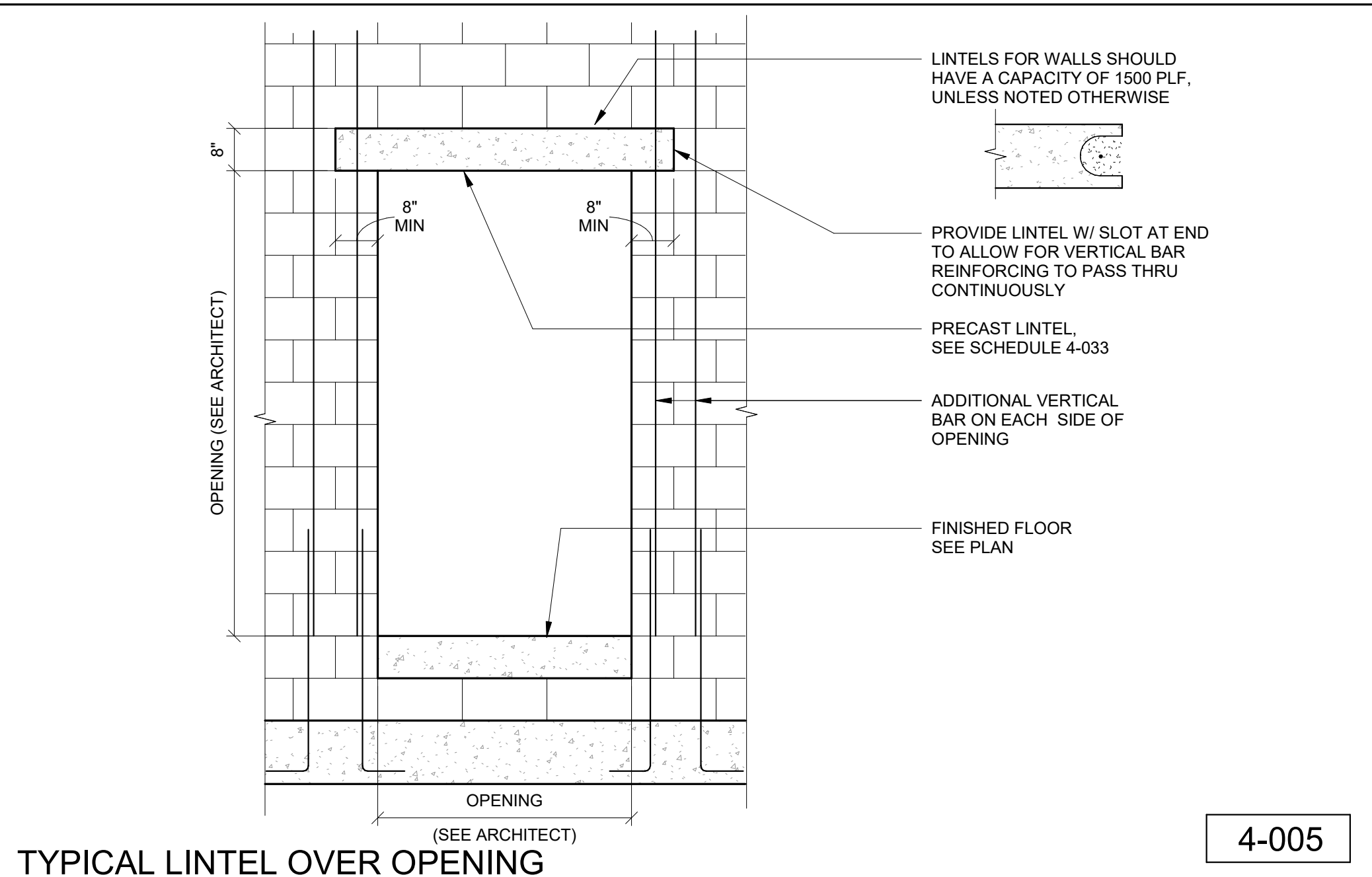
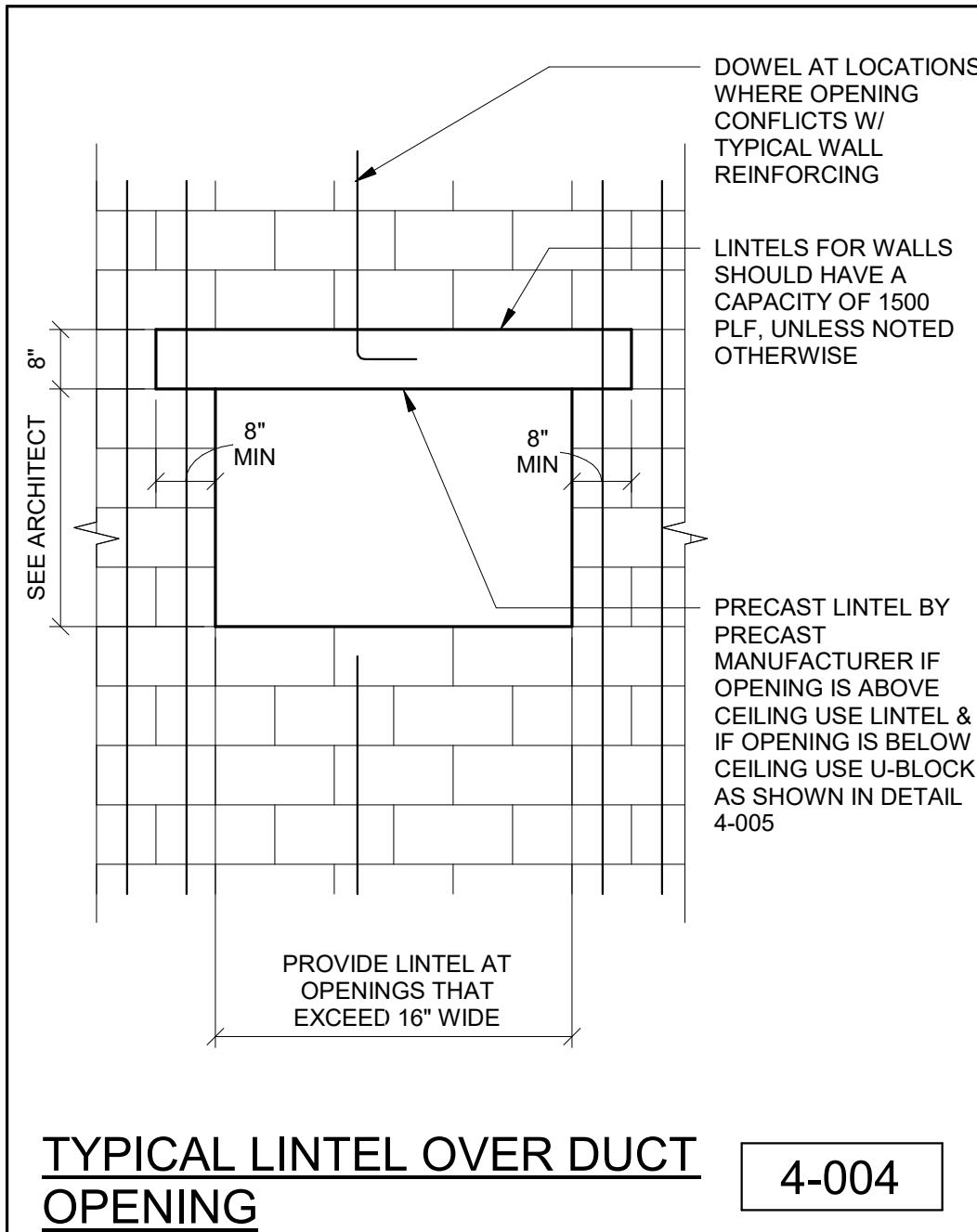
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ARCHITECTS P.A.  
cartayaandassociates.com

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PROJECT:  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

REVISIONS:



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**PROJECT:**  
CITY OF DELRAY BEACH  
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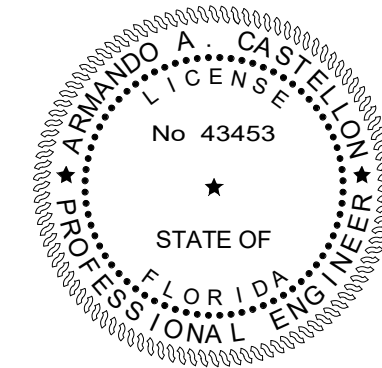
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**TITLE:**  
TYPICAL DETAILS

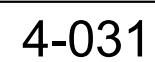
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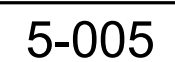
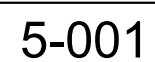
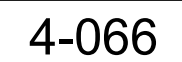
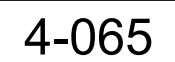
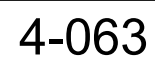
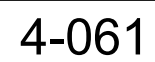
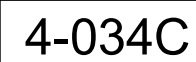
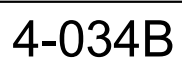
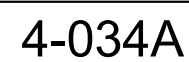
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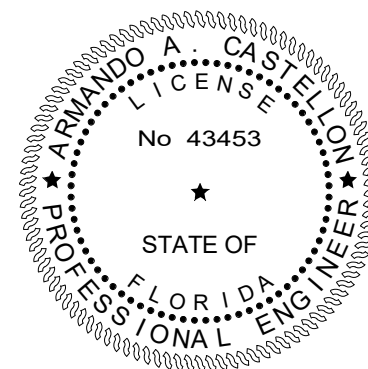


4-033

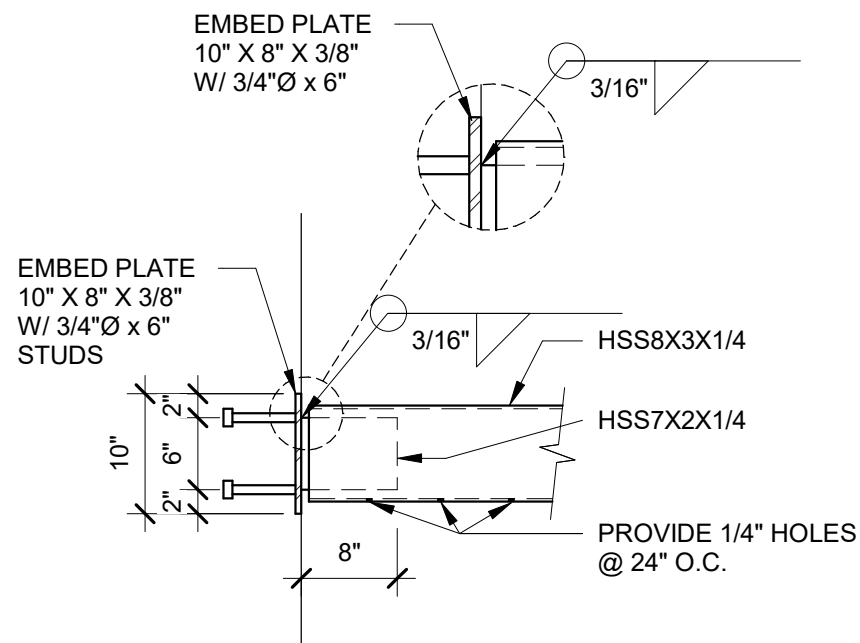


EMBED PLATE EP-12: W12 BEAM, C6, C8 CHANNEL

**OF**



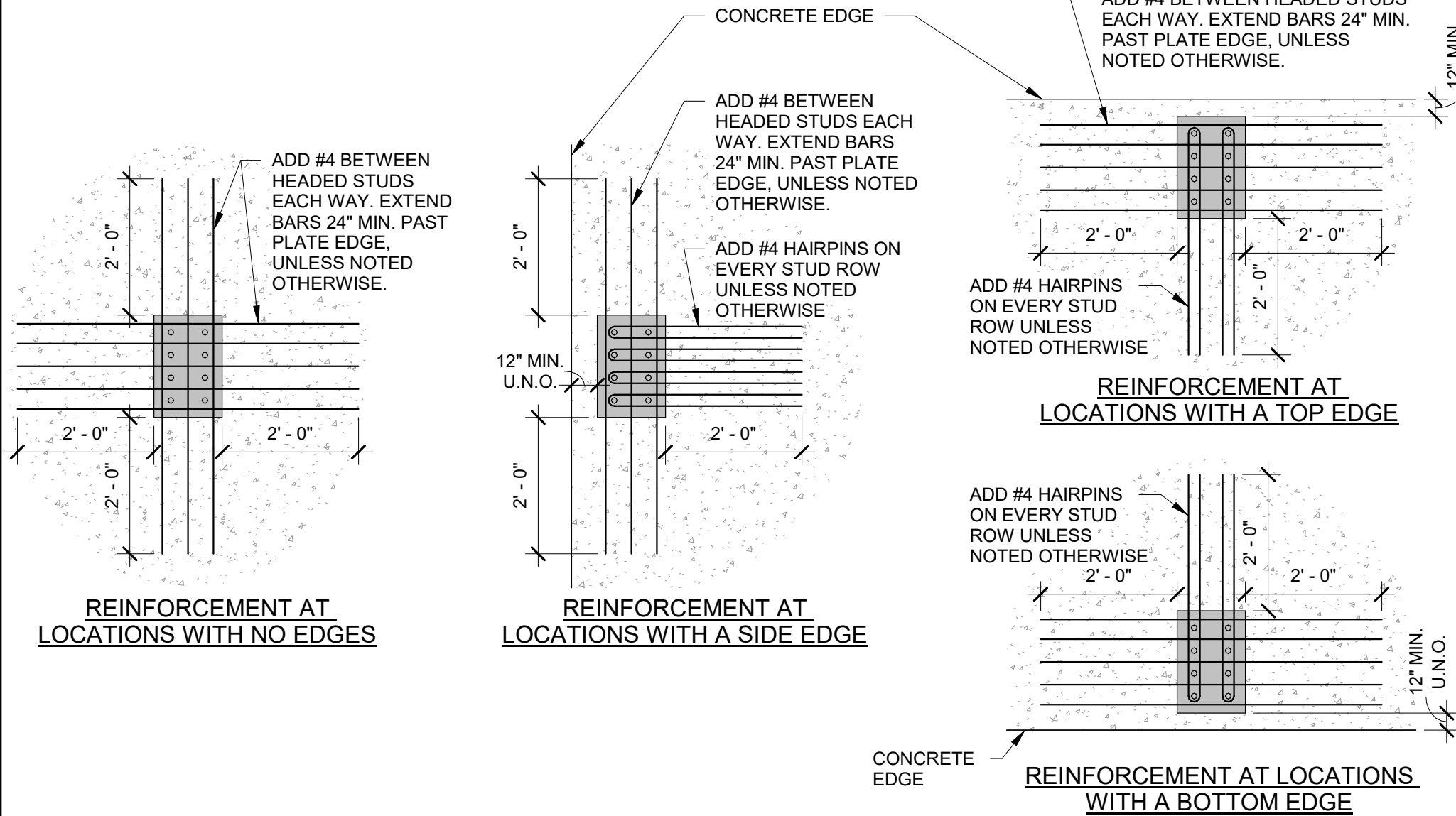
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NOTE:  
FOR HSS8X2X3/16, DO NOT USE THIS  
TUBE WHERE EXP JOINT SLIDING  
CONNECTION IS NEEDED. USE  
HSS8X3X1/4.

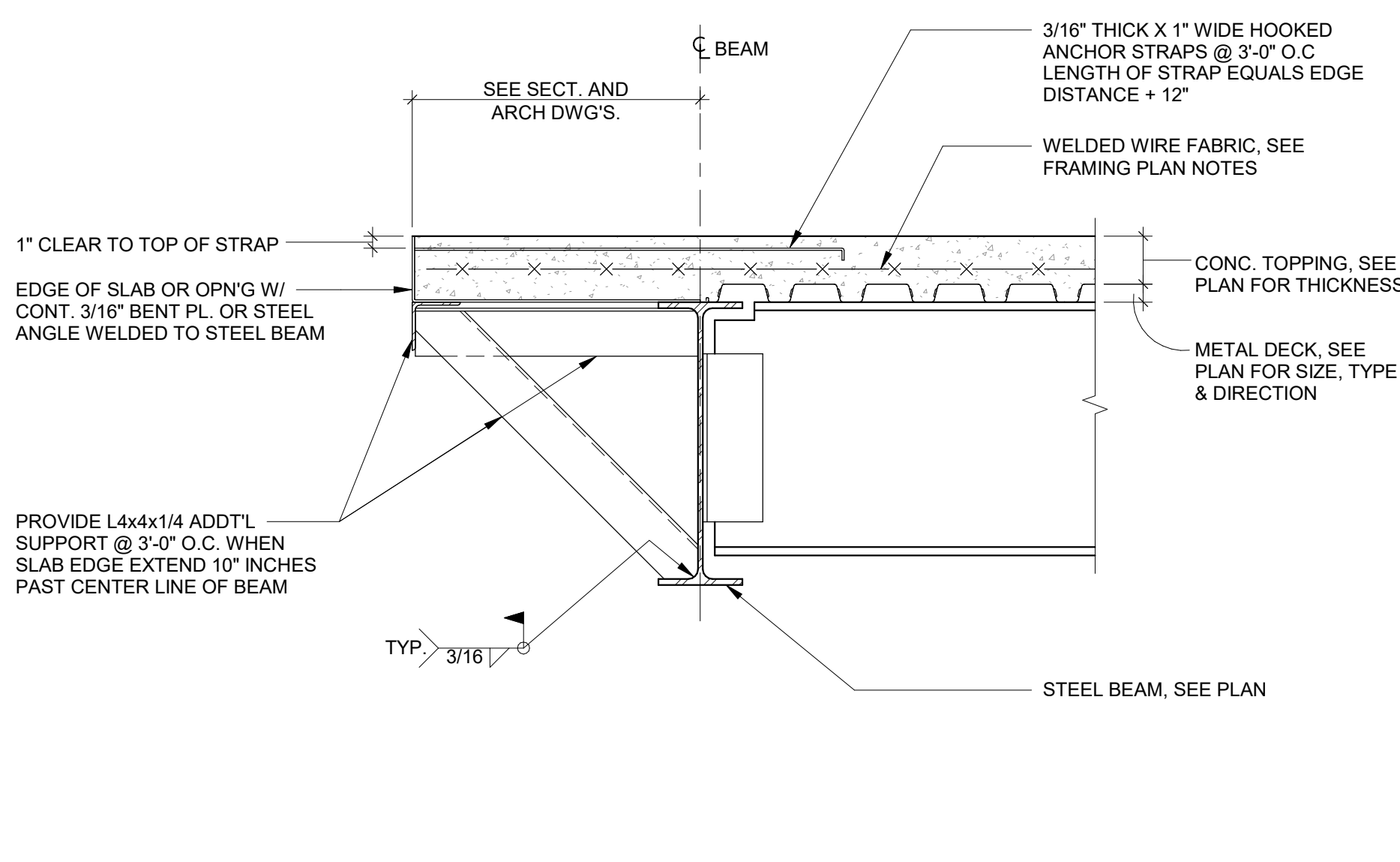
TYP TUBE STEEL  
SLIDING CONN

5-012



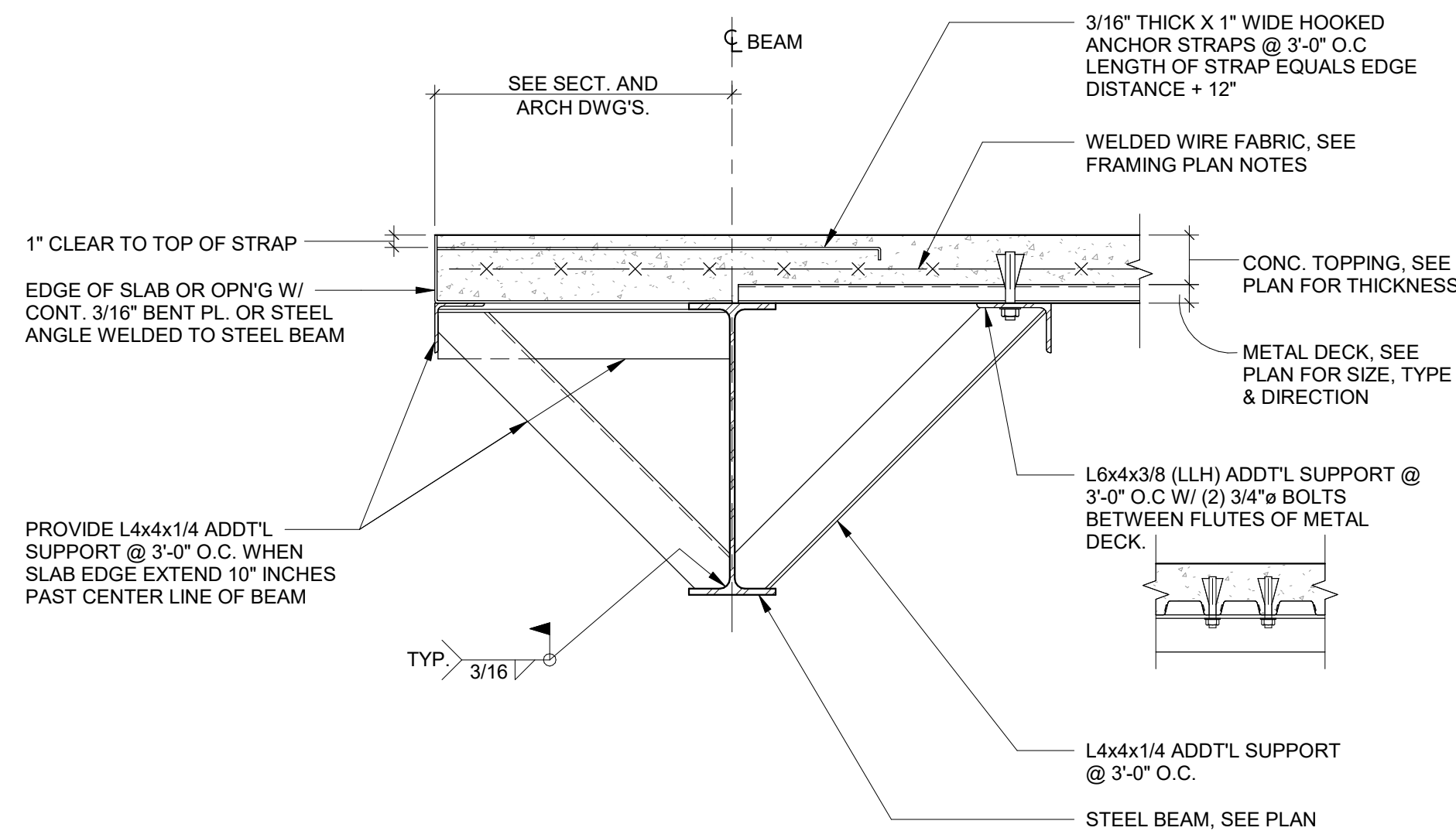
ADDITIONAL REINFORCEMENT AT EMBED PLATE

5-016



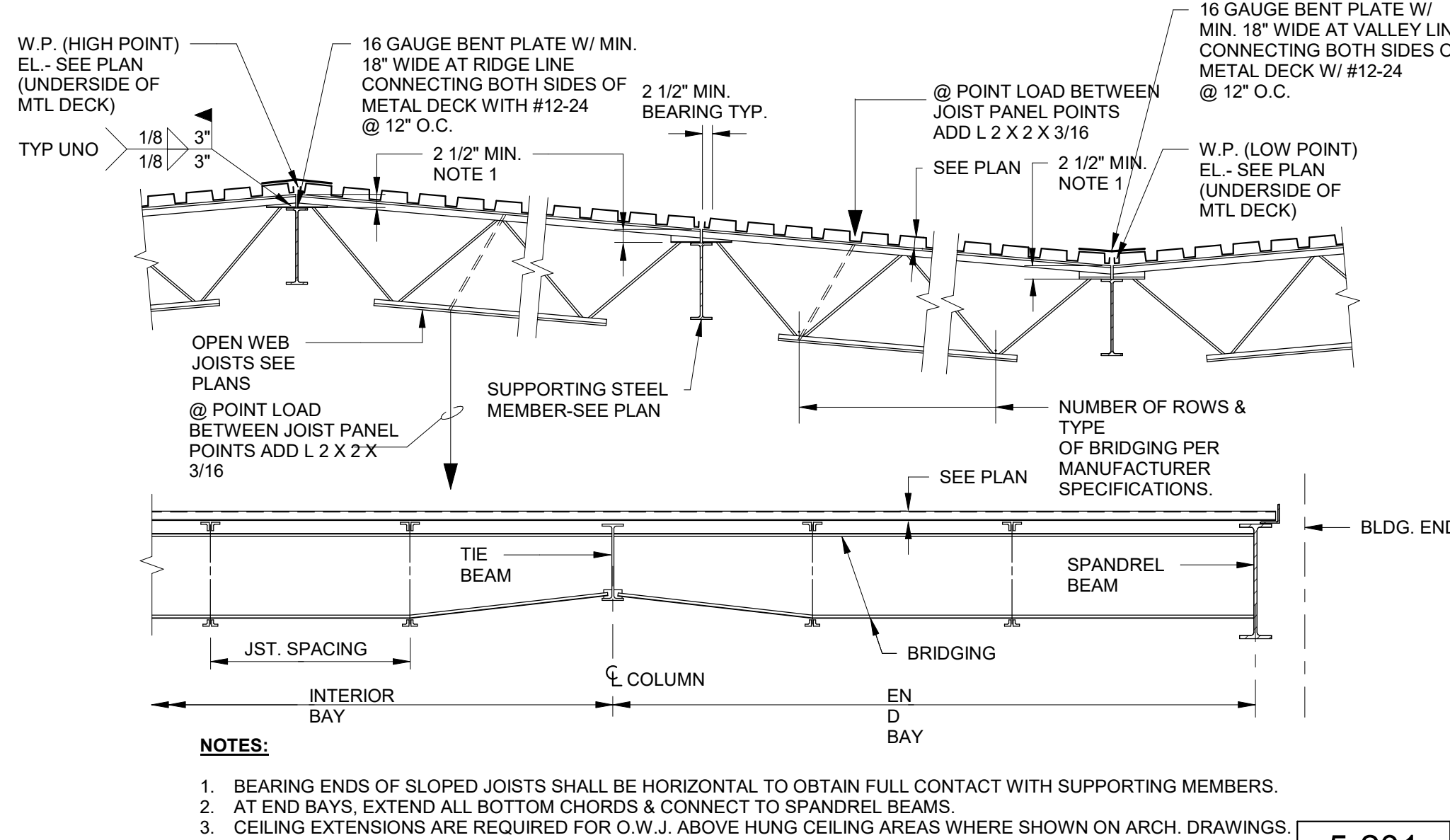
TYPICAL COMPOSITE METAL DECK DETAIL

5-102



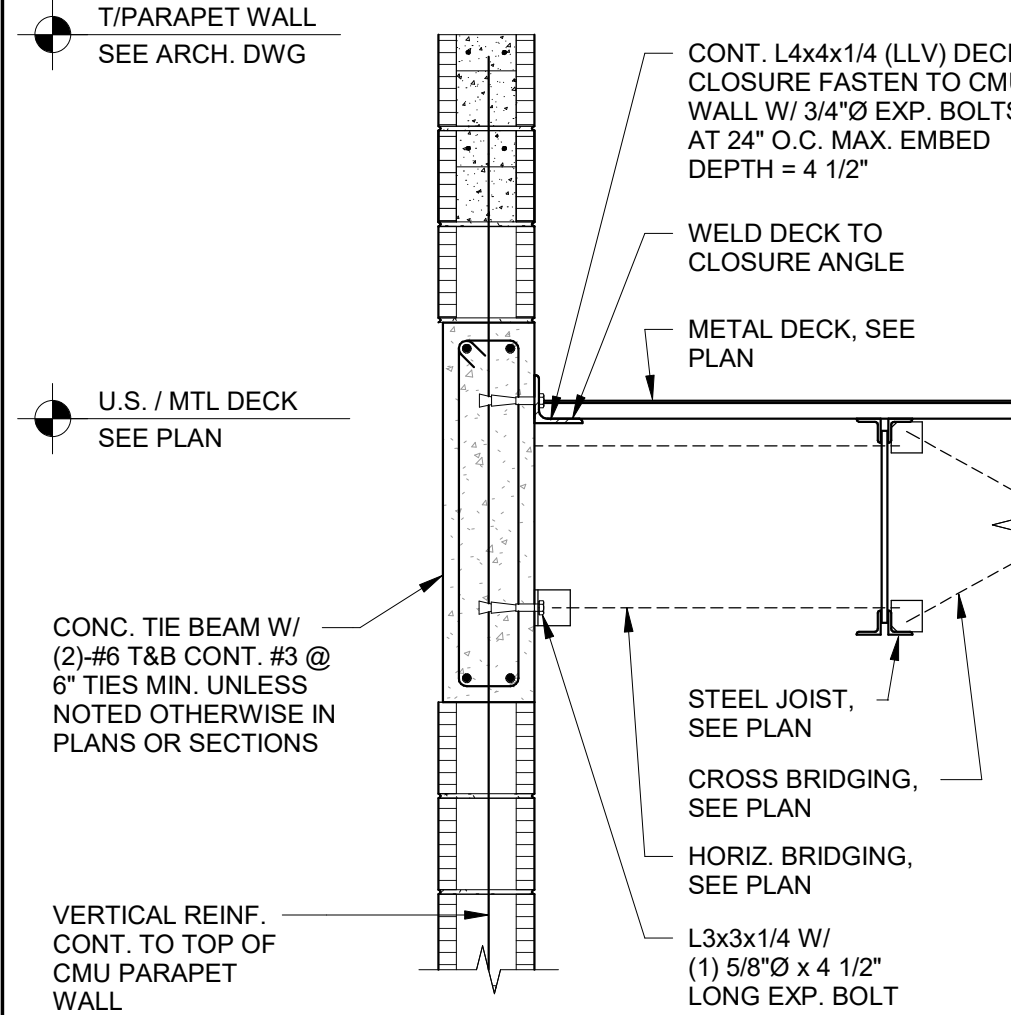
TYPICAL COMPOSITE METAL DECK DETAIL

5-103



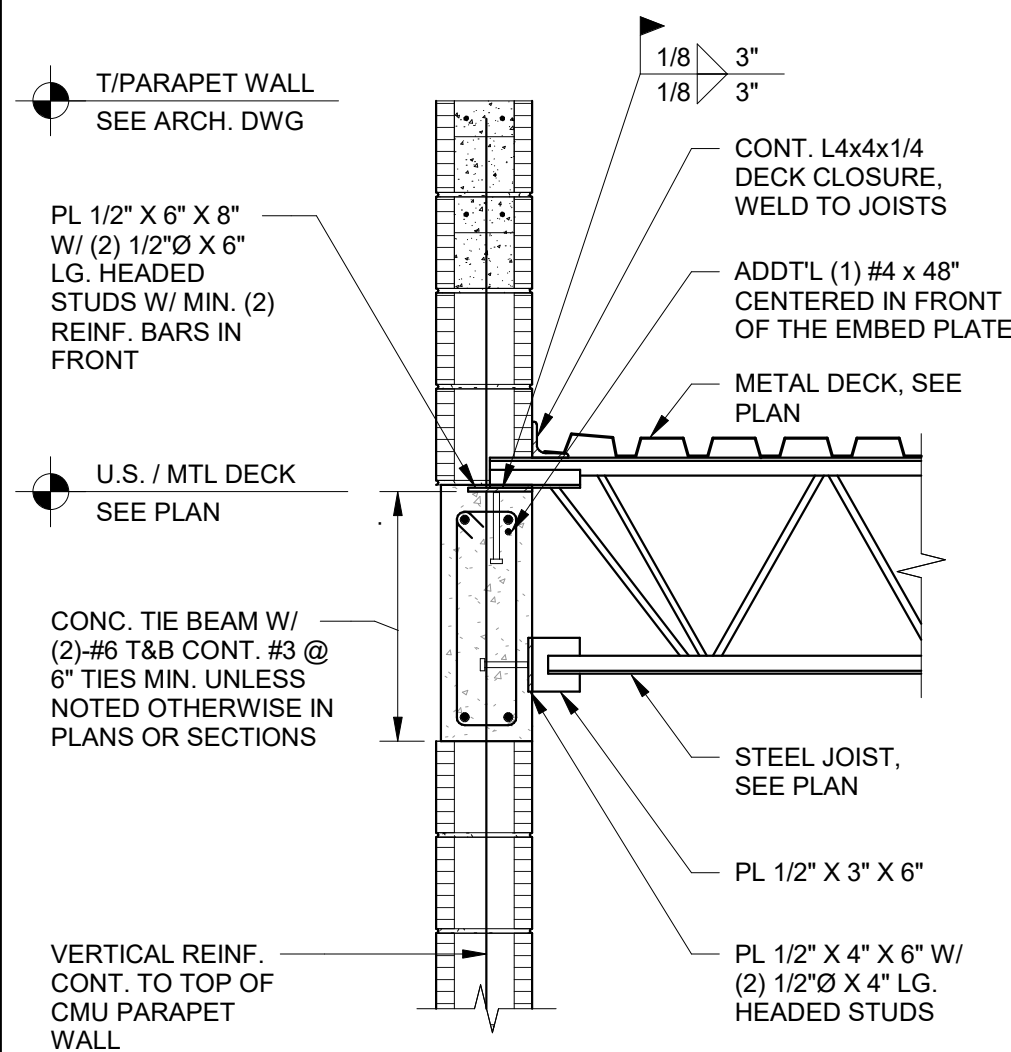
TYP. OPEN WEB JOIST DETAILS - SLOPED ROOF

5-201



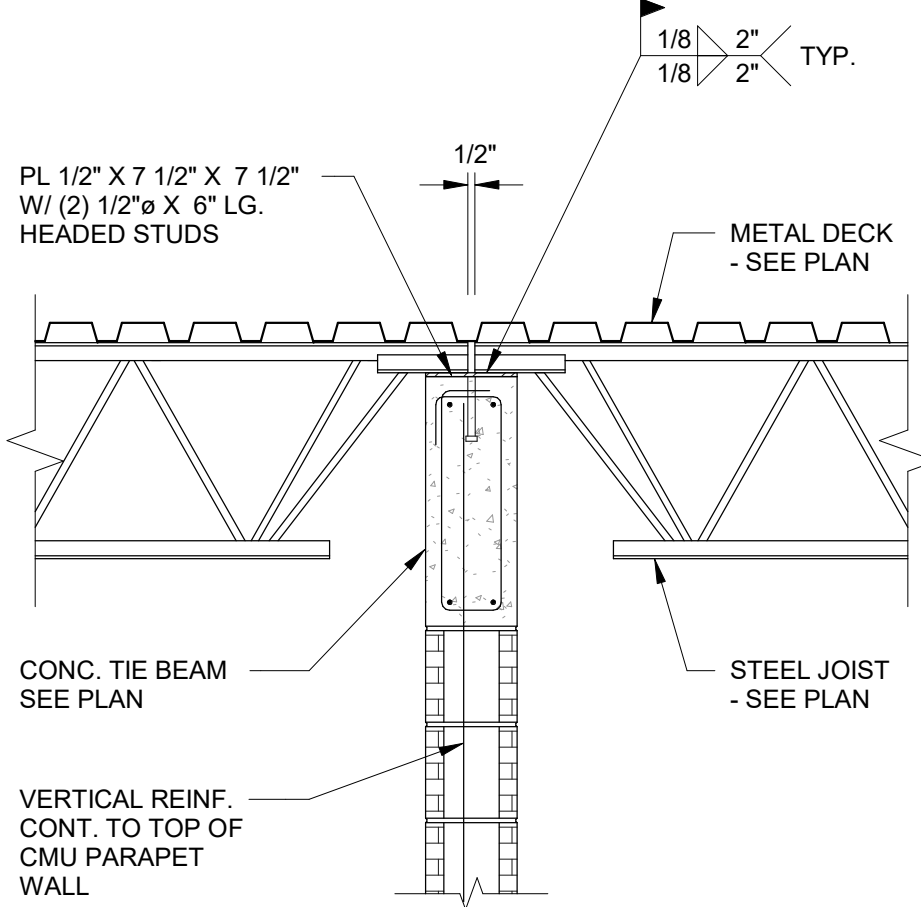
SECTION AT WALL  
SINGLE BEARING

5-204



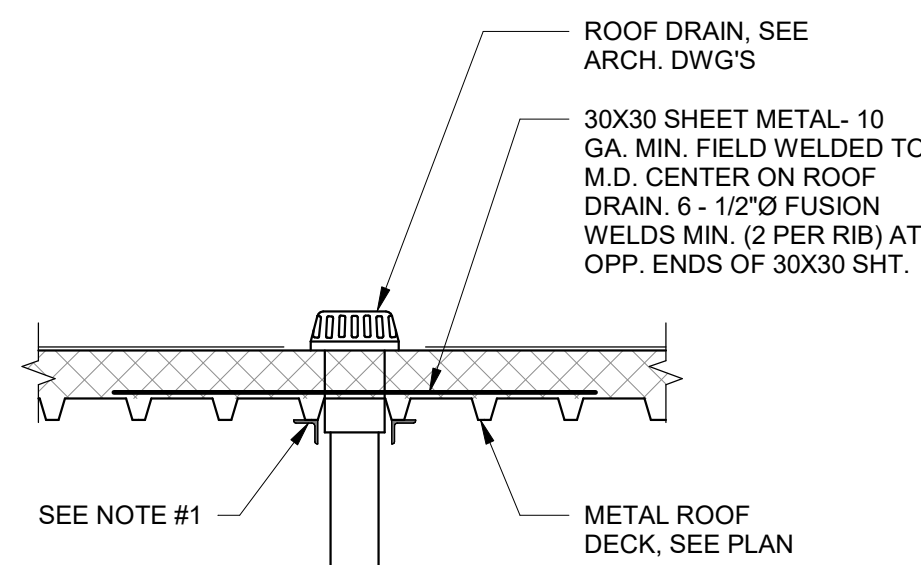
SECTION AT WALL  
SINGLE BEARING

5-205



SECTION AT WALL  
DOUBLE BEARING

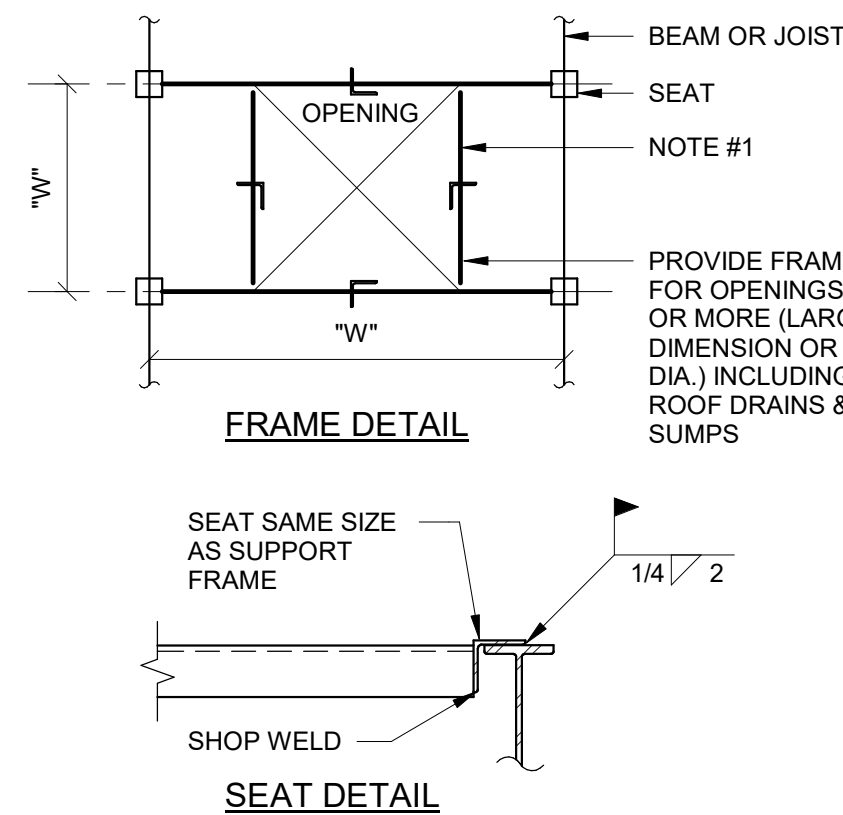
5-206



NOTE:  
1. SEE DETAIL 5-302 FOR STEEL REINFORCING  
AROUND ROOF DRAIN OPENING.

TYP. DECK REINF. @ ROOF  
DRAIN W/O SUMP PAN

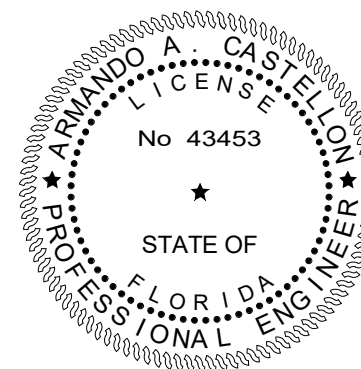
5-301



NOTES:  
1. ANGLES ALL SIDES UNLESS BEAMS SHOWN ON PLAN:  
L2X2X1/4 FOR "W" < 2'-0"  
L3X3X1/4 FOR "W" < 4'-0"  
L4X4X1/4 FOR "W" < 6'-0"  
2. FOR "W" > 6'-0" USE L OR W-BEAM. L SIZE OR DEPTH OF  
W-BEAM EQUAL TO SPAN DIMENSION IN INCHES.  
MINIMUM THICKNESS = 1/4".  
3. FOR "W" > 10'-0" CONTACT ENGINEER OF RECORD FOR  
DETAIL.

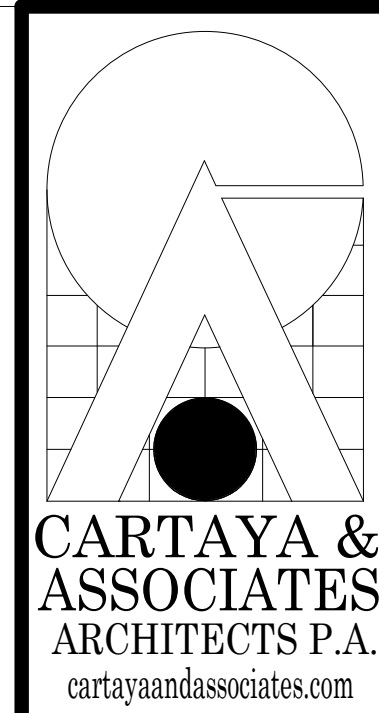
TYP. ROOF OPN'G DETAIL  
/ ROOFTOP EQUIP. SUPPORT

5-302



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CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:  
Rev 4 RESPONSE TO  
4. 03/20/2023  
COMMENTS AND  
REVISIONS UPDATES

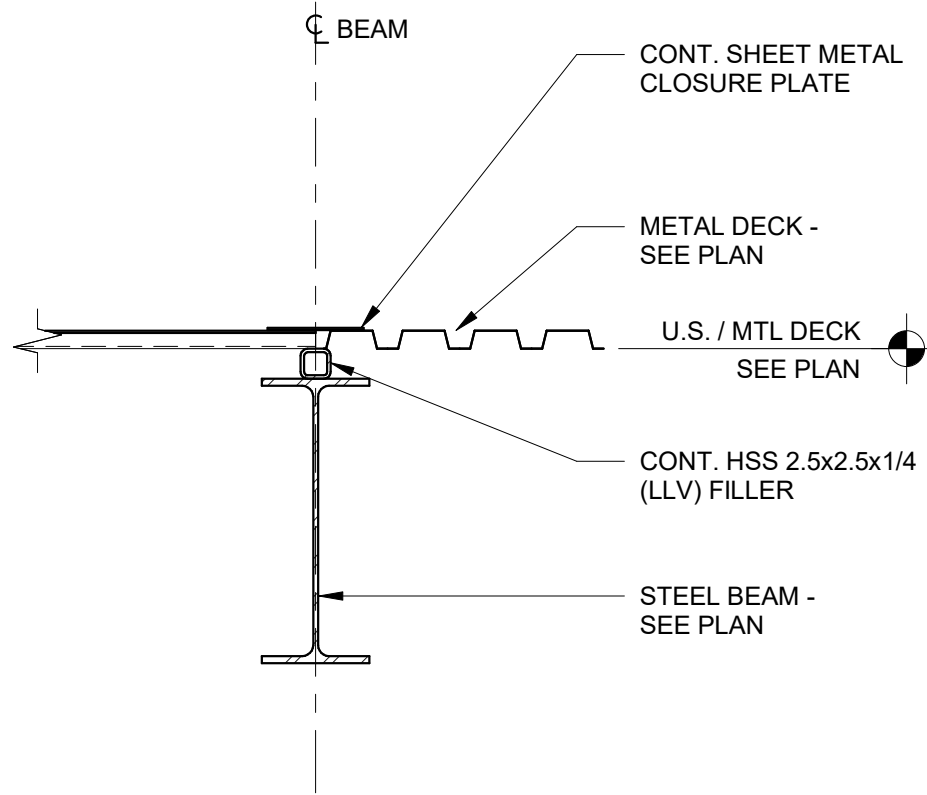
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TYPICAL DETAILS

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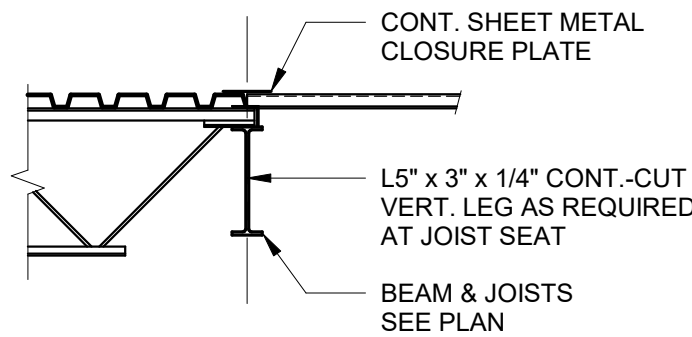
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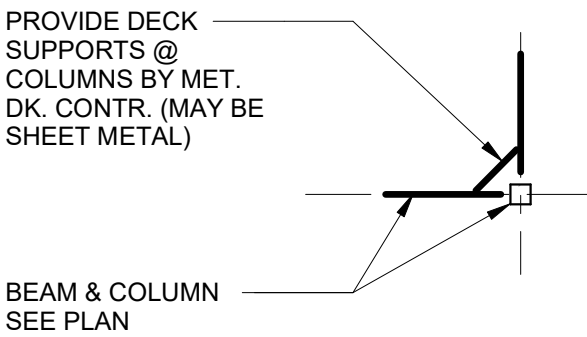
METAL DECK SUPPORT  
DIRECTION CHANGE AT  
STEEL BEAM

5-303

METAL DECK CONTRACTOR TO PROVIDE  
RIDGE AND VALLEY PLATES AS REQUIRED.

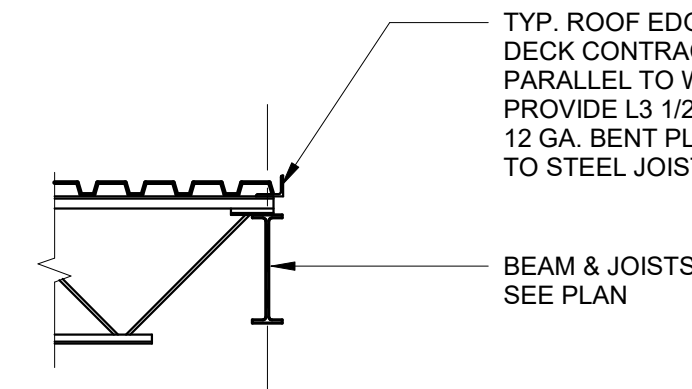


TYP. DET. @ DECK DIRECTION  
CHANGE BETWEEN JOIST SEATS

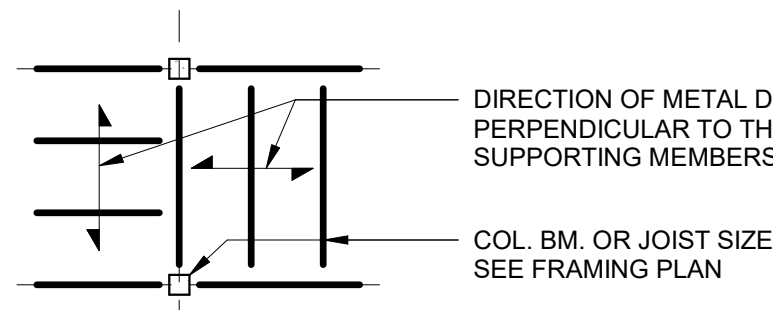


TYP. FLOOR DECK SUPPORT AT COLUMNS

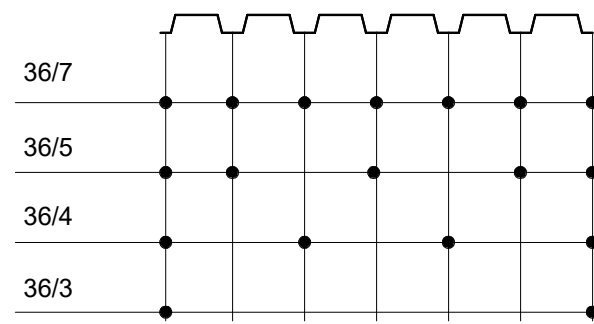
TYPICAL METAL DECK DETAILS



TYP. EDGE ANGLE DECK SUPPORT



DECK DIRECTION SYMBOL

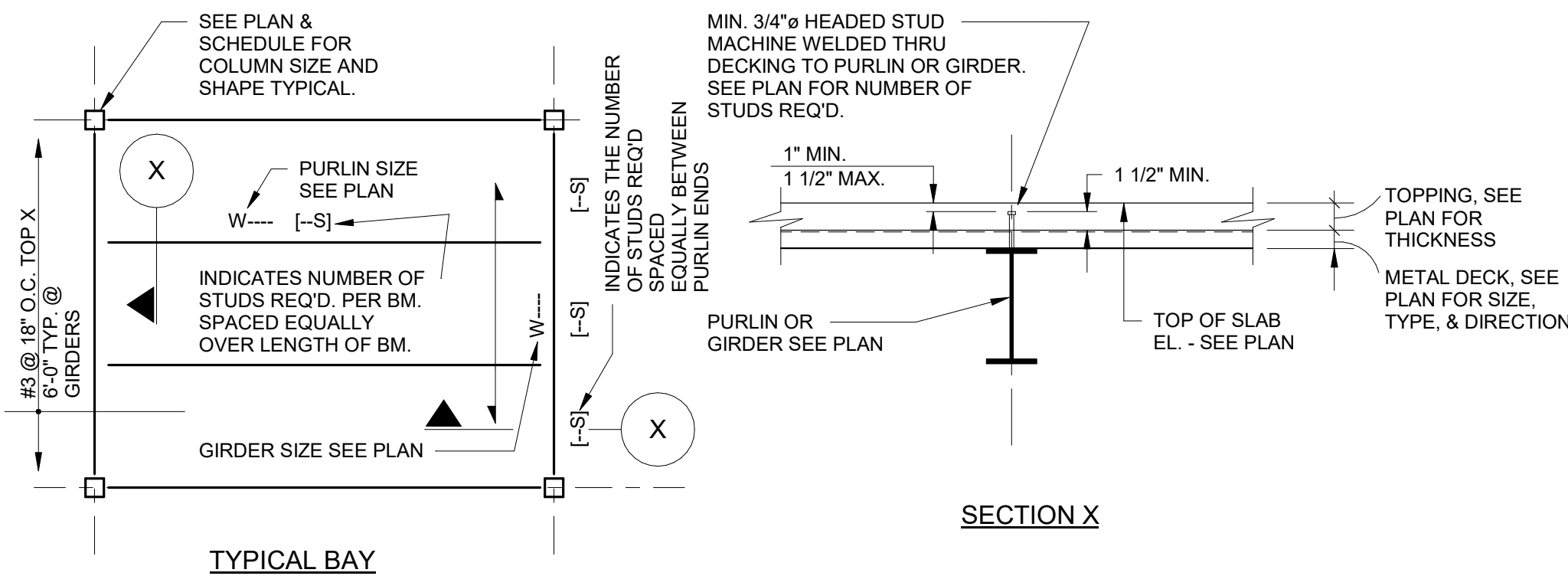


EXAMPLE

- NOTES:
1. USE 5/8" Ø PUDDLE WELD AT SUPPORTS AND #12 SCREWS AT SIDE LAPS.
  2. USE 36/7-4 UNLESS NOTED OTHERWISE IN PLANS.
  3. USE 5/8" Ø PUDDLE WELDS @ 6" O.C. ALONG DECK CLOSURE ANGLE AND EMBED PLATE PARALLEL TO FRAMING UNLESS NOTED OTHERWISE IN PLANS.

TYPICAL 1-1/2" ROOF DECK  
FASTENER LAYOUT

5-306

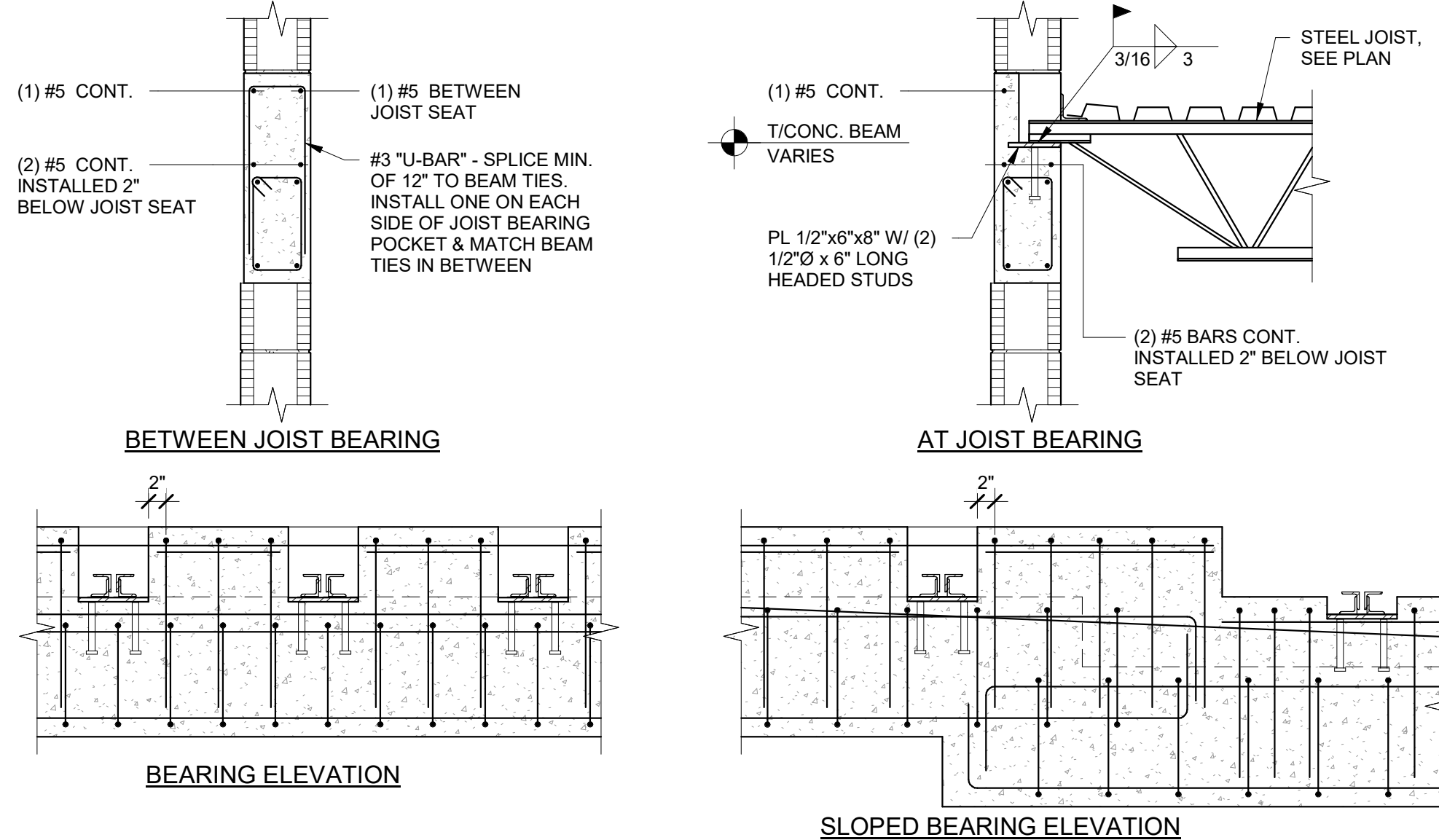


NOTE:

1. TOP FLANGES OF THE BMS SHALL BE FREE OF PAINT, WATER, DIRT, EXCESSIVE SCALE, RUST, OR OTHER MATERIALS INJURIOUS TO WELDING.
2. TOP OF METAL DECK MUST BE FREE OF PAINT, WATER, DIRT, EXCESSIVE SCALE, RUST, OR OTHER MATERIALS INJURIOUS TO WELDING.
3. METAL DECK SHALL REST TIGHTLY AGAINST THE BEAM FLANGE.
4. STUDS SHALL BE WELDED ONLY THROUGH A SINGLE THICKNESS OF METAL DECK. NO WELDING THRU PLATES THICKER THAN 18 GAUGE.
5. ALL STUDS SHALL BE MACHINE WELDED TO BEAMS.

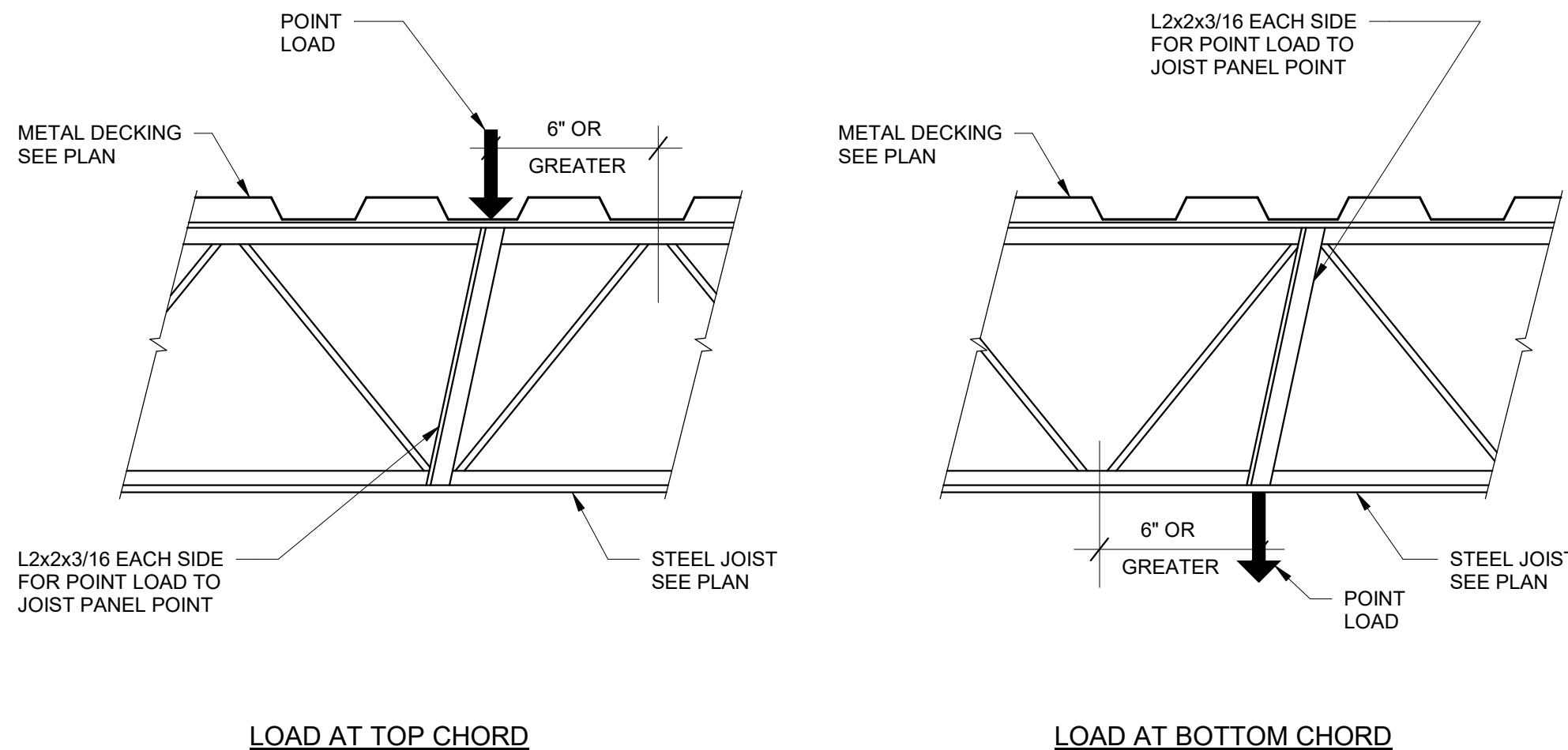
TYPICAL COMPOSITE BEAM DETAIL

5-101



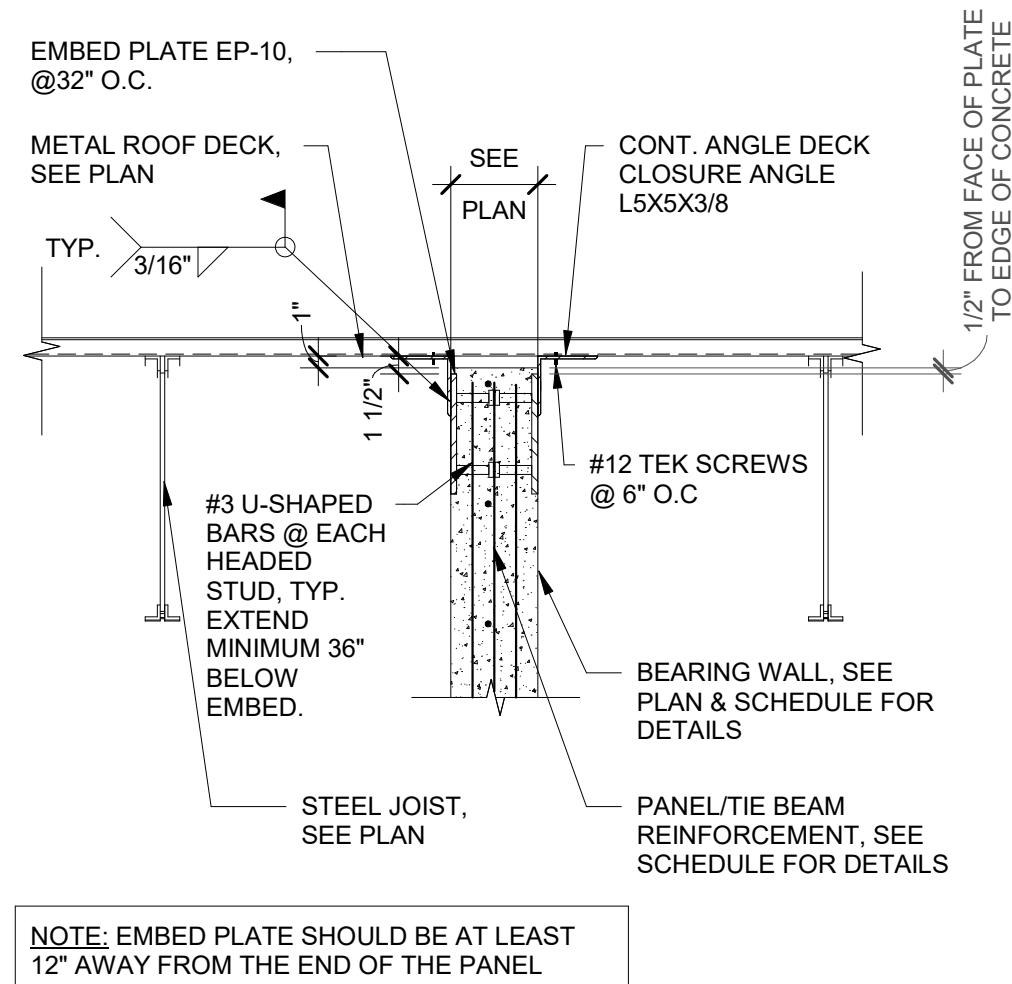
JOIST BEARING DETAILS

5-212



TYPICAL ADDITIONAL WEB REINFORCEMENT FOR  
CONCENTRATED LOAD (WHEN POINT LOAD IS GREATER THAN 40 POUNDS)

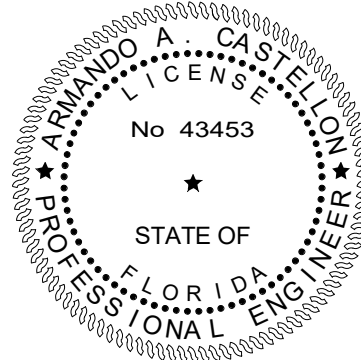
5-321



NOTE: EMBED PLATE SHOULD BE AT LEAST 12" AWAY FROM THE END OF THE PANEL

UNDER DECK PANEL  
CONNECTION

5-399



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CHECKED BY: AC

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CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:

DATE: Dec. 27, 2022

DRAWN BY: AN/AM

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JOB NO: 2122

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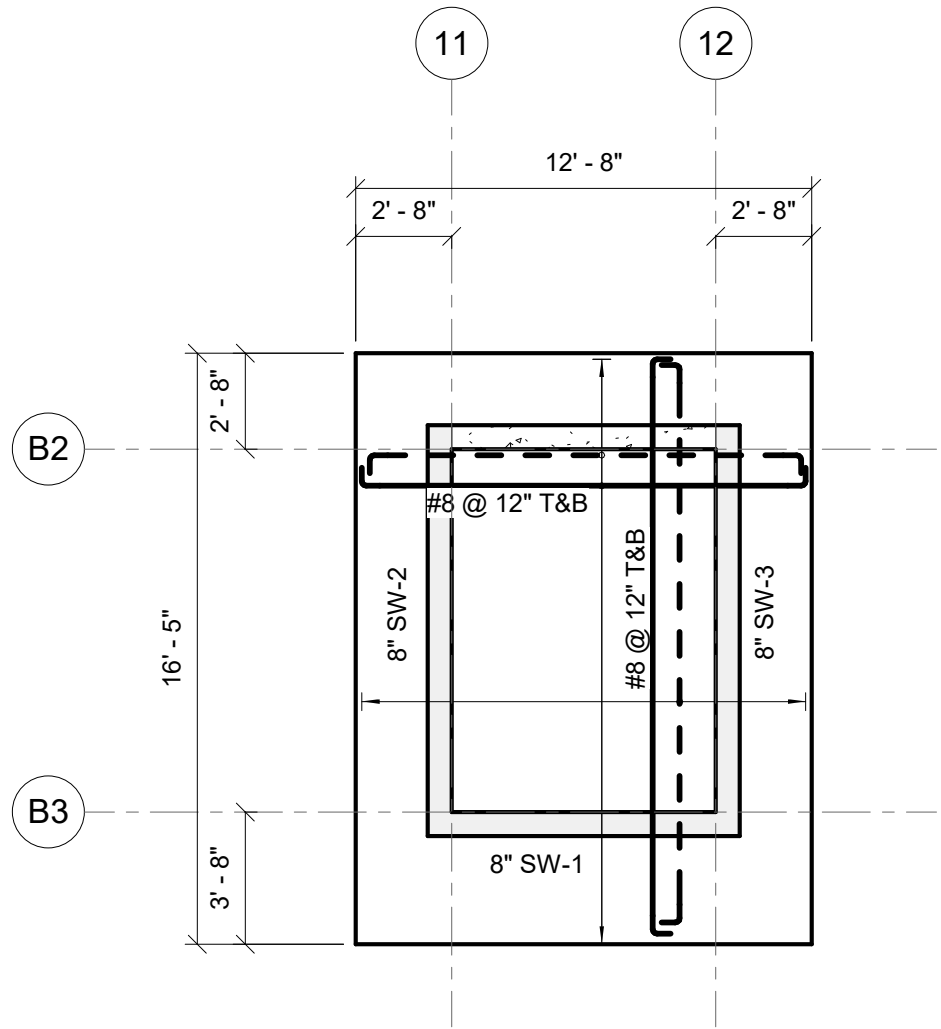
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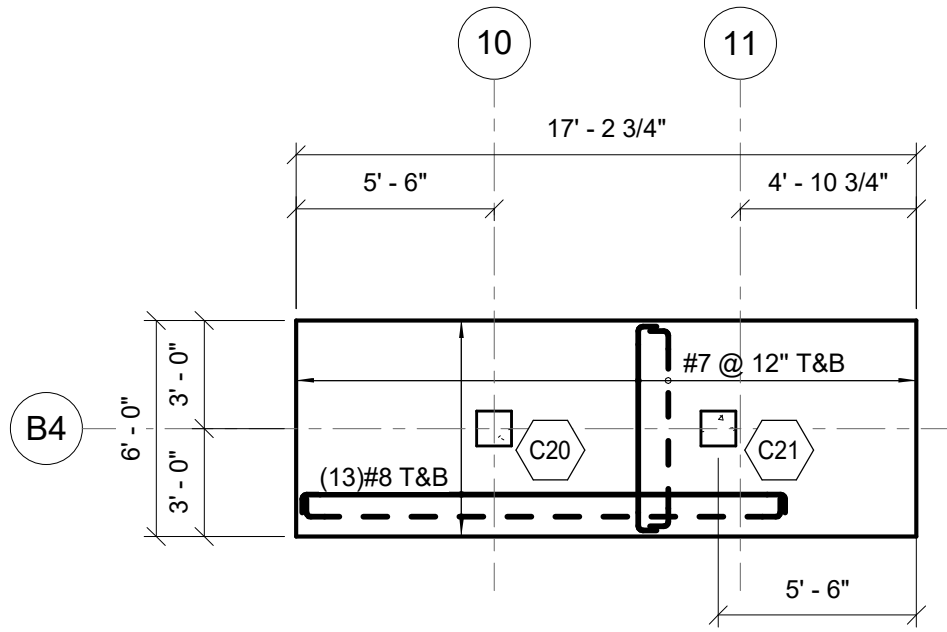
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P.E. #4226 PROJ. NO. 1333-2001-01-01

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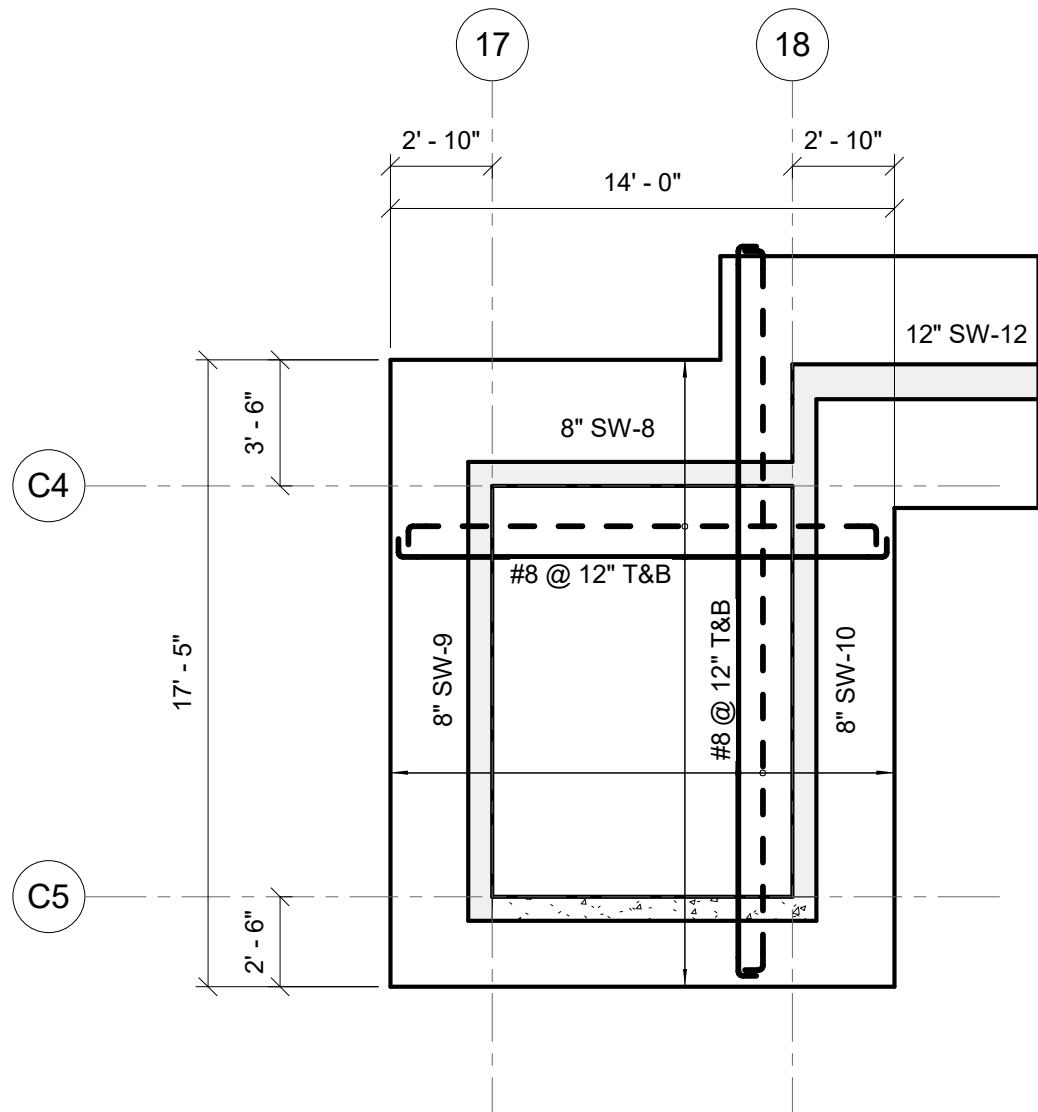
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FT. LAUDERDALE, FLORIDA 33308  
954-771-2724



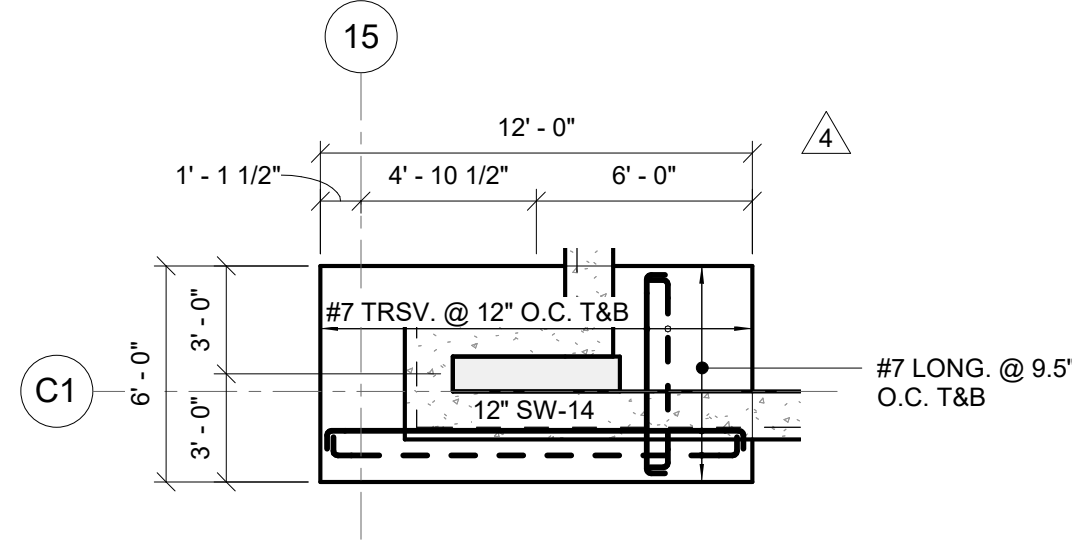
ENLARGED FOUNDATION PLAN - MAT 1 (2' THK)  
SCALE: 3/16" = 1'-0"



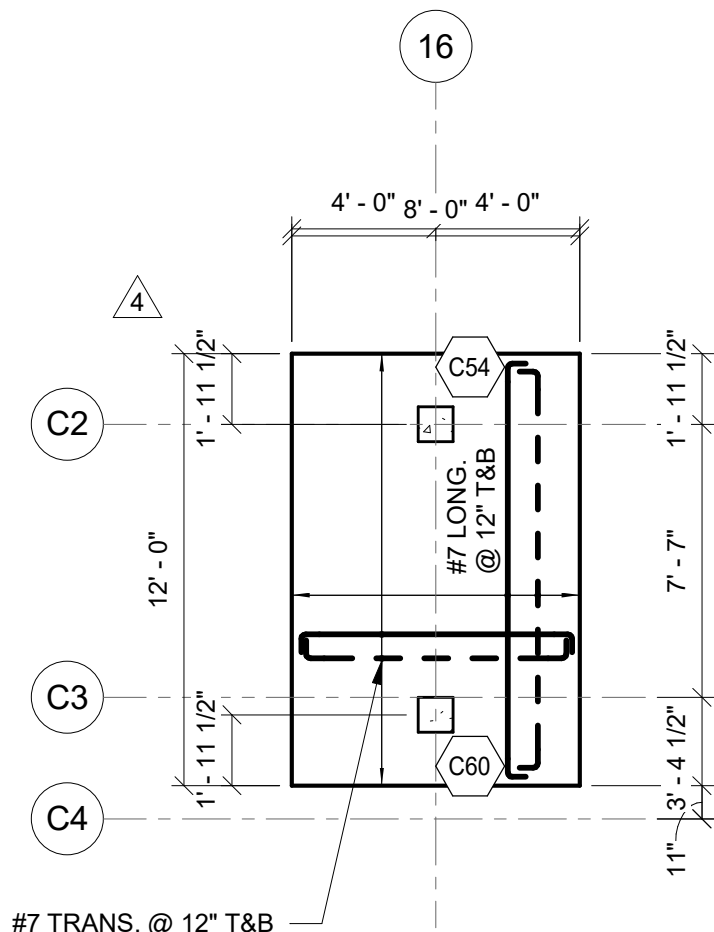
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SCALE: 3/16" = 1'-0"



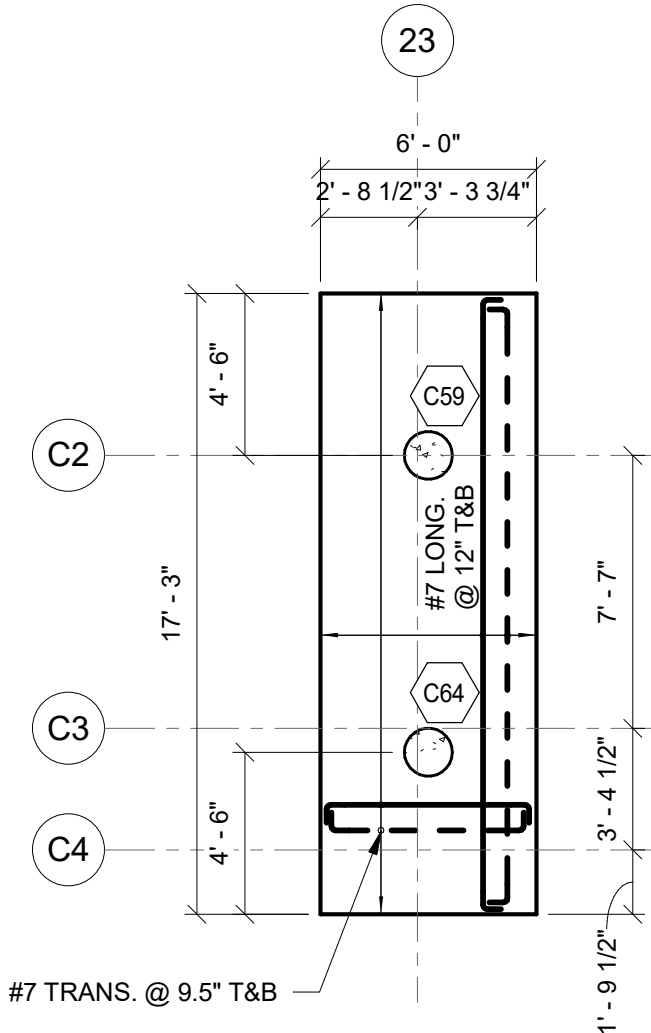
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SCALE: 3/16" = 1'-0"



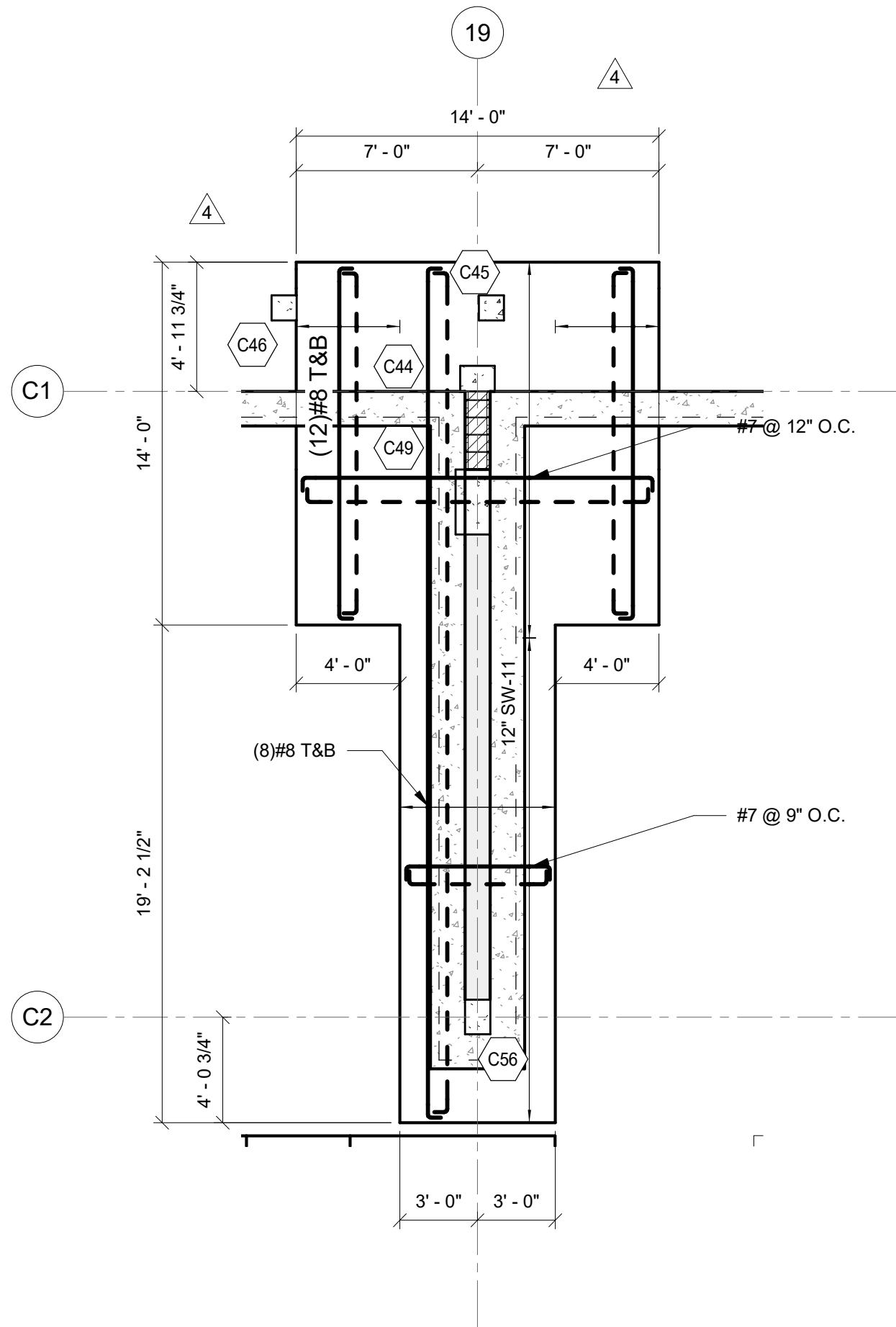
ENLARGED FOUNDATION PLAN - MAT 4 (1' 6" THK)  
SCALE: 3/16" = 1'-0"



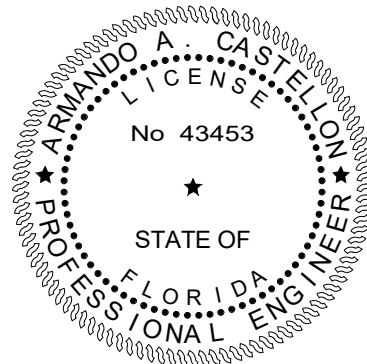
ENLARGED FOUNDATION PLAN - MAT 5 (1' 6" THK)  
SCALE: 3/16" = 1'-0"



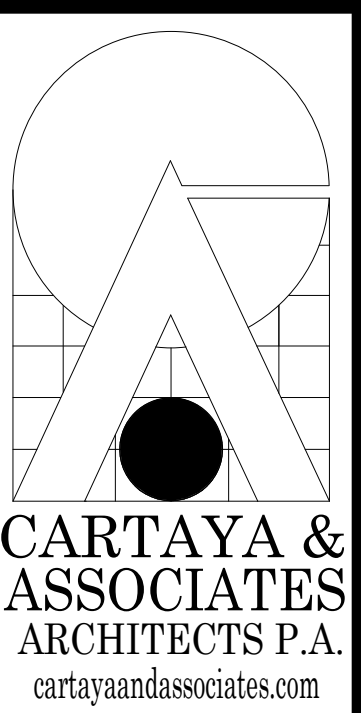
ENLARGED FOUNDATION PLAN - MAT 6 (1' 6" THK)  
SCALE: 3/16" = 1'-0"



ENLARGED FOUNDATION PLAN - MAT 7 (2' THK)  
SCALE: 3/16" = 1'-0"



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CITY OF DELRAY BEACH  
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FL 33444

PROJECT:

REVISIONS:  
Rev 4 RESPONSE TO  
4. 03/20/2023  
COMMENTS AND  
REVISION UPDATES

TITLE: MAT FOUNDATION DETAILS

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
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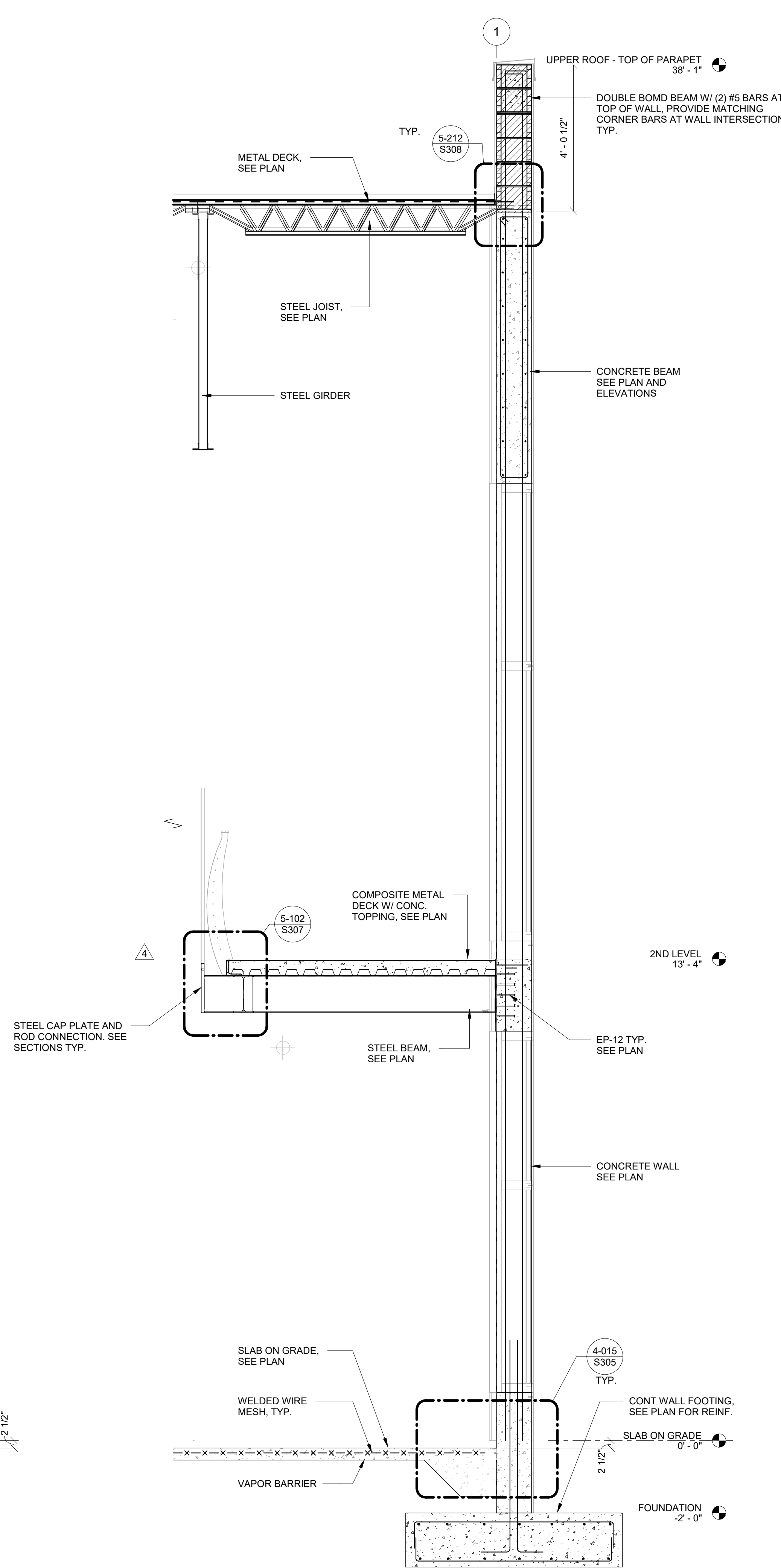
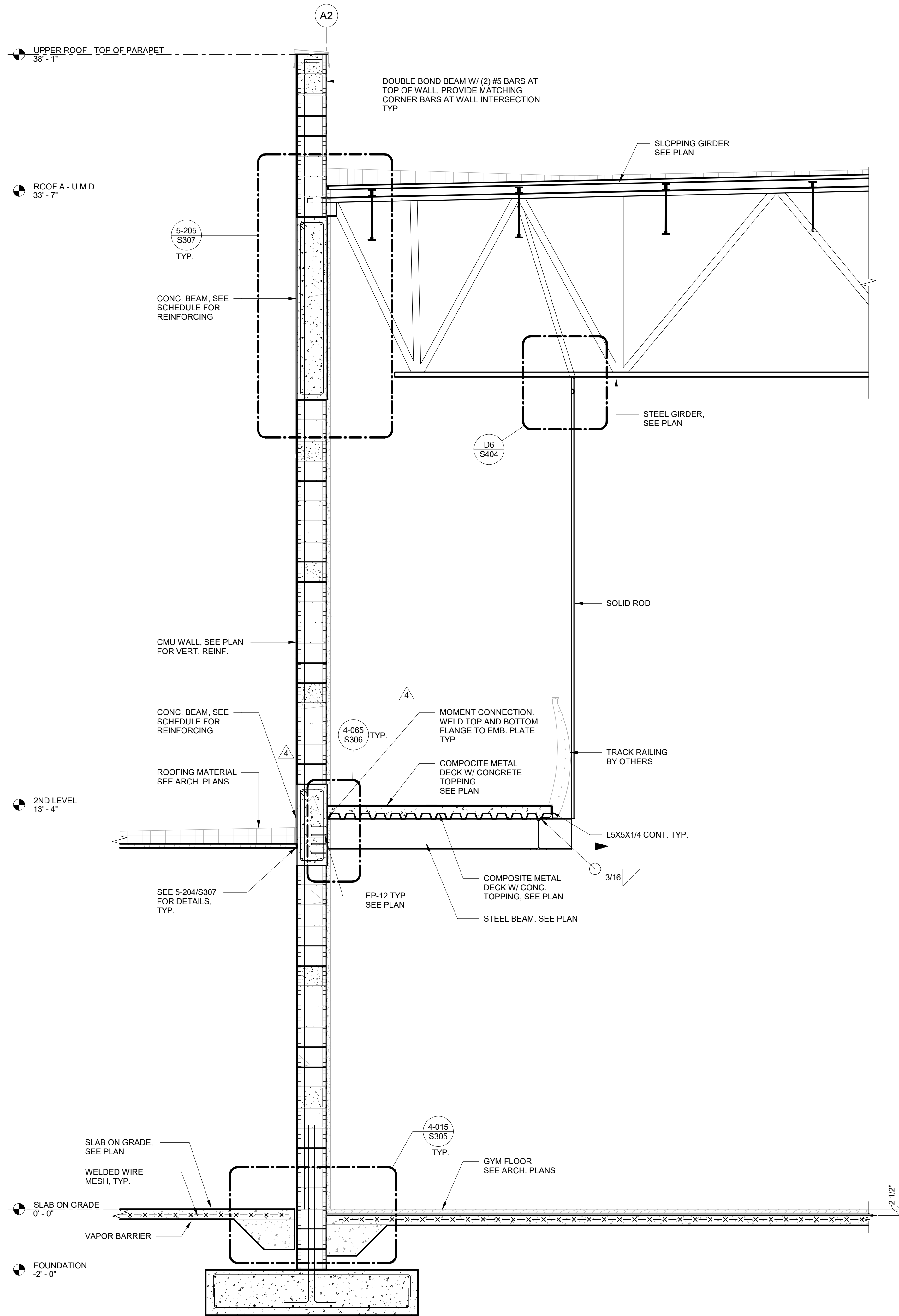
JOB NO:

2122

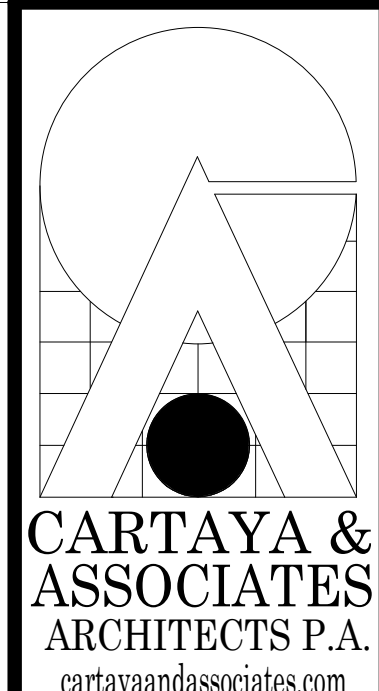
SHEET:

S401  
OF

CONFORMED SET 09/22/2025



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DATE: 8/2/20 PROJ. NO. 1333-001-1-1

PROJECT:  
CITY OF DELRAY BEACH  
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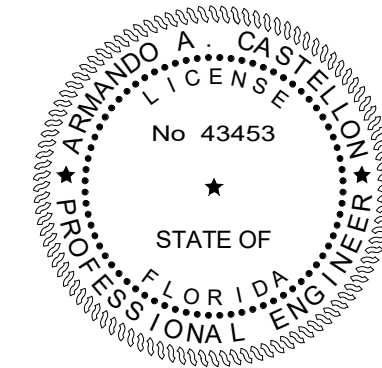
REVISIONS:  
Rev 4 RESPONSE TO  
4. 03/20/2023  
COMMENTS AND  
REVISIONS

TITLE:  
SECTIONS AND DETAILS

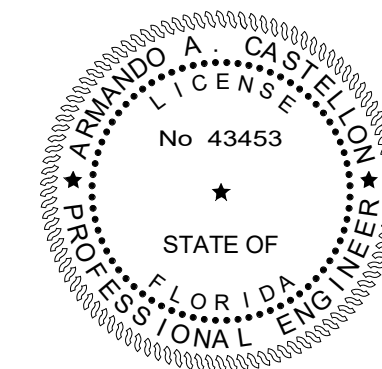
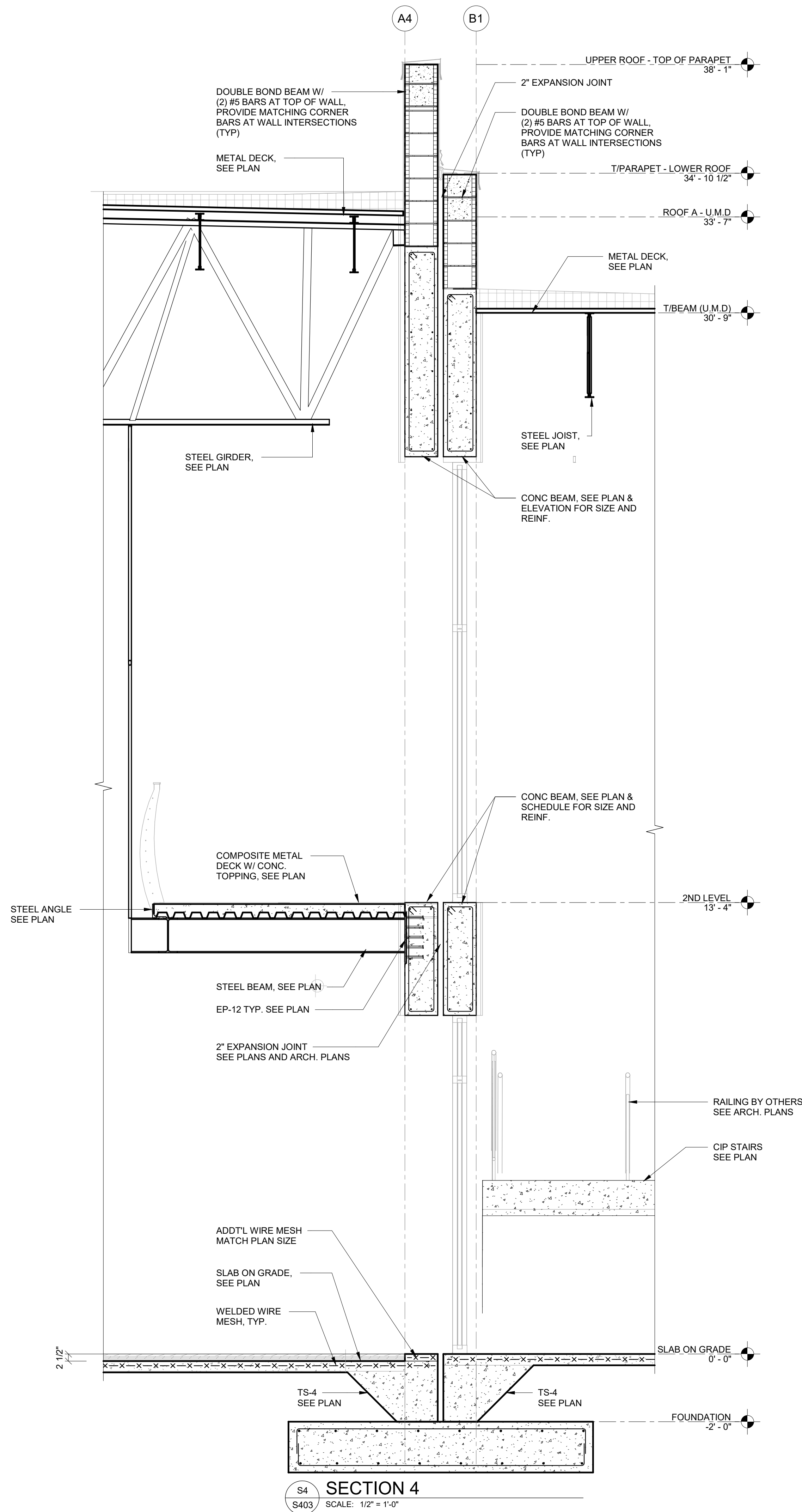
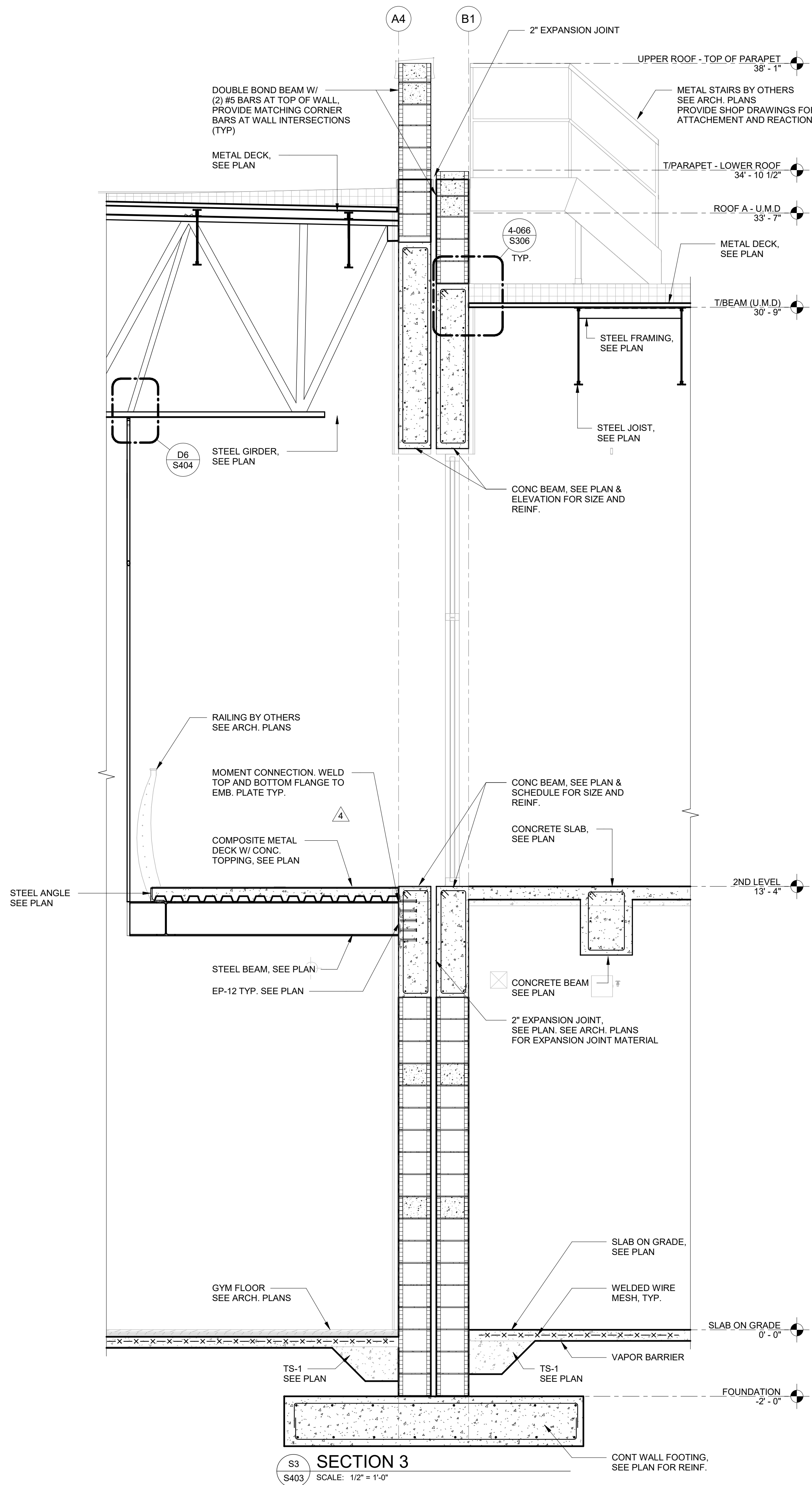
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JOB NO:  
2122

SHEET:  
S402  
OF



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P.E. NO. 8426 P.E. NO. 1333-001-1-1

**PROJECT:**  
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FL 33444

**REVISIONS:**  
Rev. 4 RESPONSE TO  
4. 03/20/2023  
COMMENTS AND  
REVISIONS UPDATES

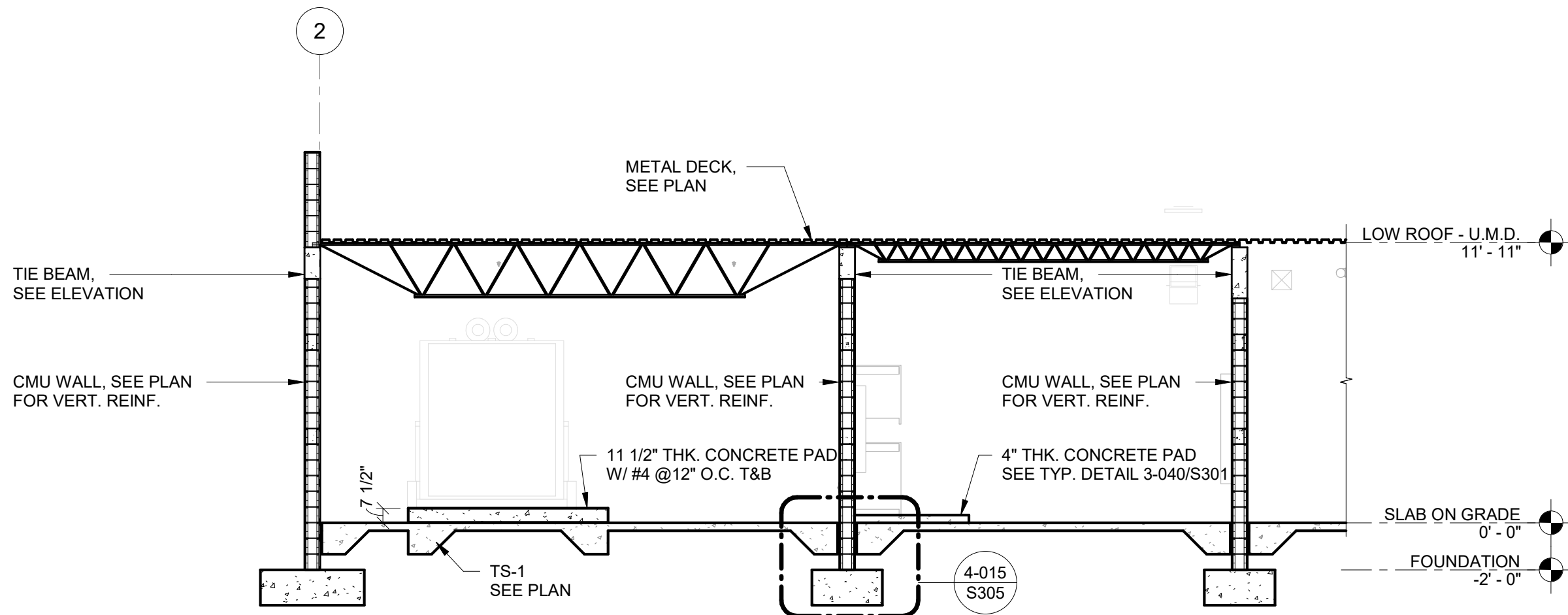
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SECTIONS AND DETAILS

**DATE:** Dec. 27, 2022  
**DRAWN BY:** AN/AM  
**CHECKED BY:** AC

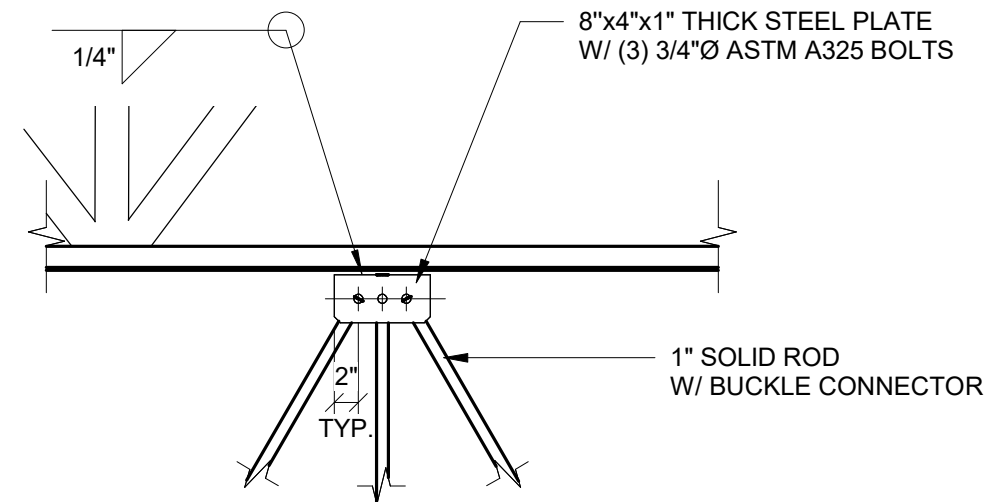
**JOB NO:**  
2122

**SHEET:**  
S403  
OF

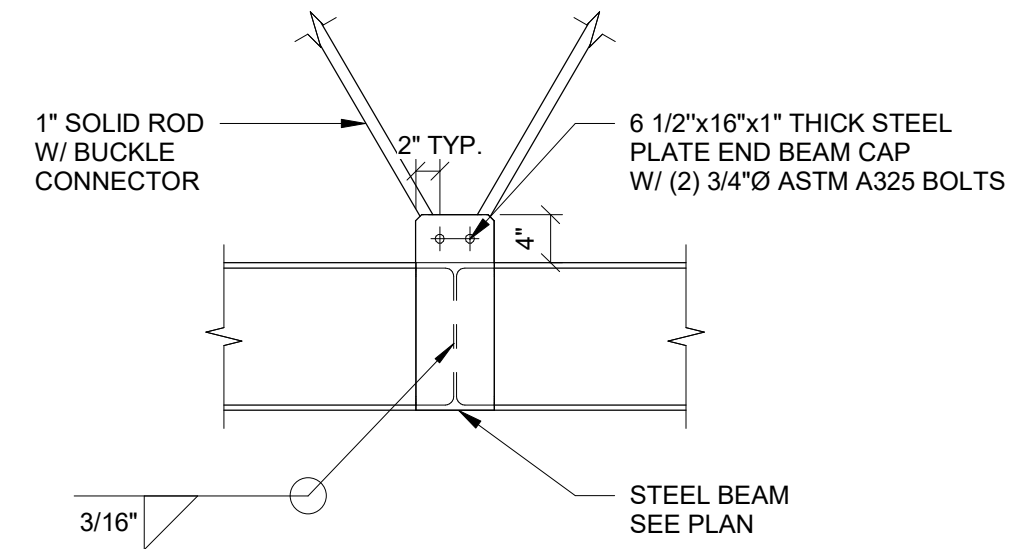
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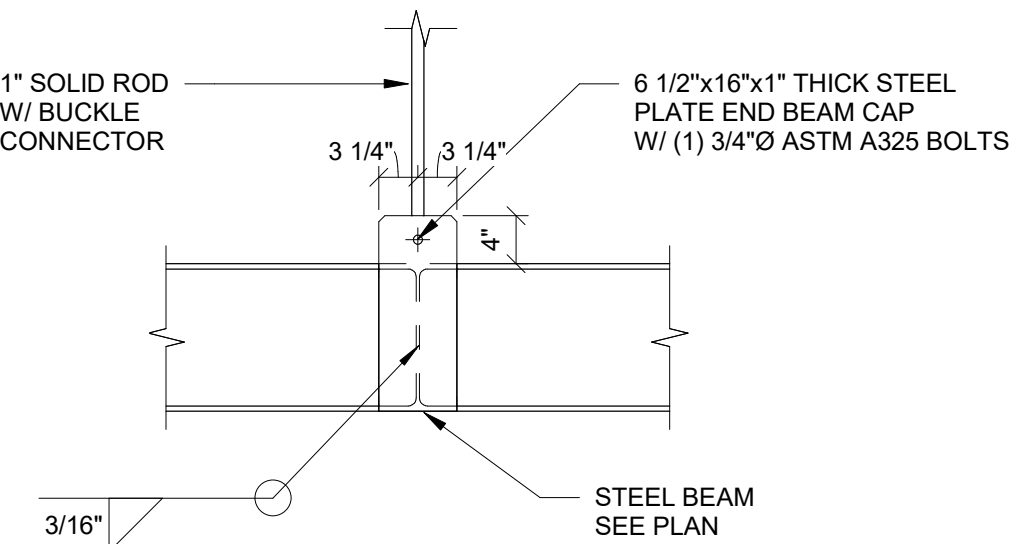
S5  
S404 SECTION 5  
SCALE: 3/16" = 1'-0"



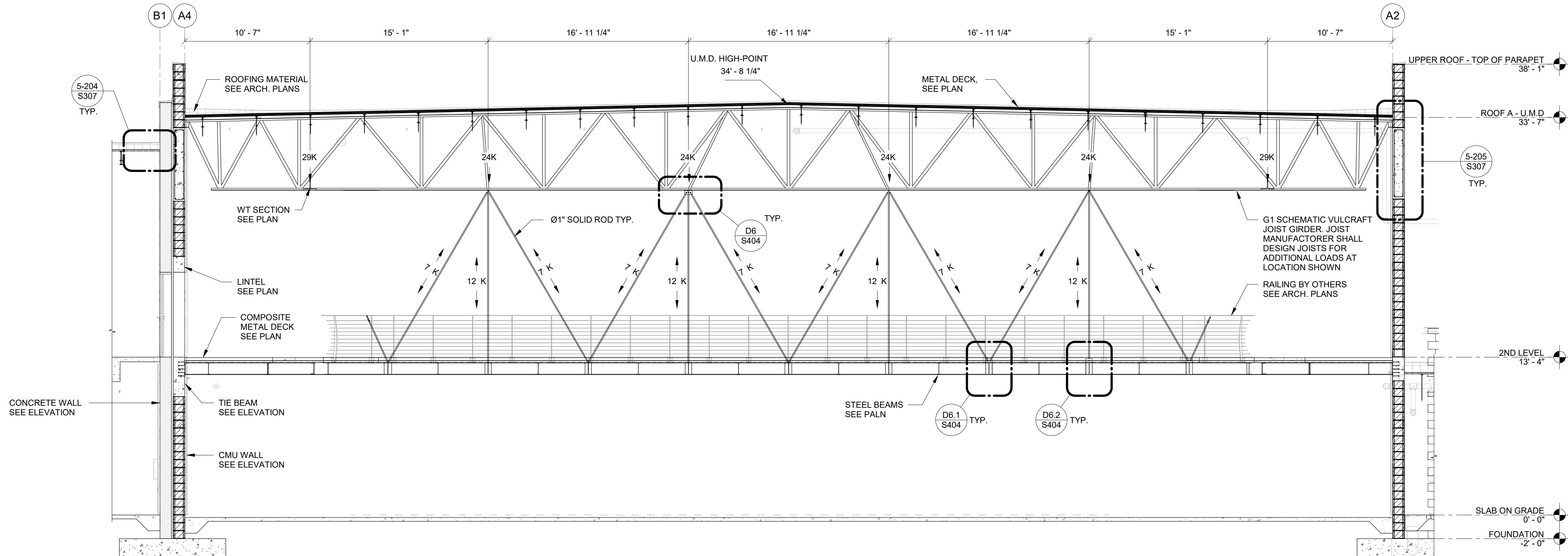
D6  
S404 HANGING SOLID ROD TOP CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"



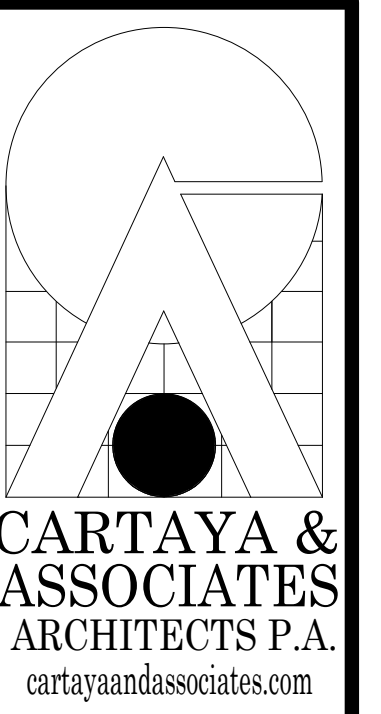
D6.1  
S404 HANGING (2) SOLID ROD BOTTOM CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"



D6.2  
S404 HANGING (1) SOLID ROD BOTTOM CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"



S6  
S404 SECTION 6  
SCALE: 3/16" = 1'-0"



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CITY OF DELRAY BEACH  
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1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:

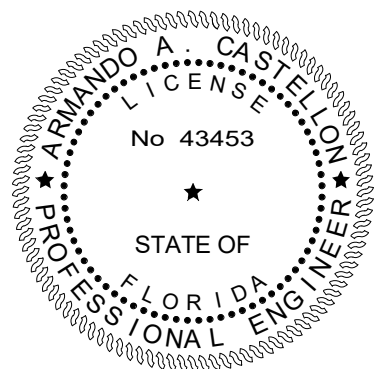
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DATE: Dec. 27, 2022  
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JOB NO: 2122

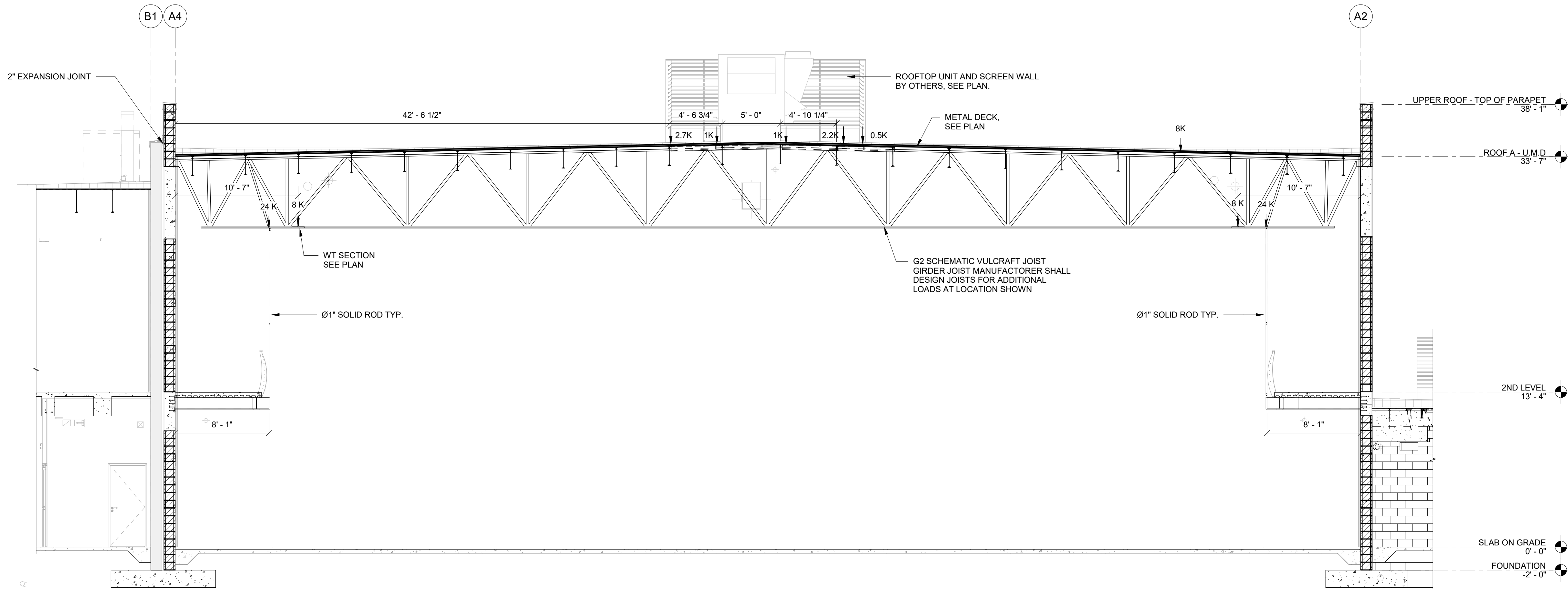
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S404  
OF

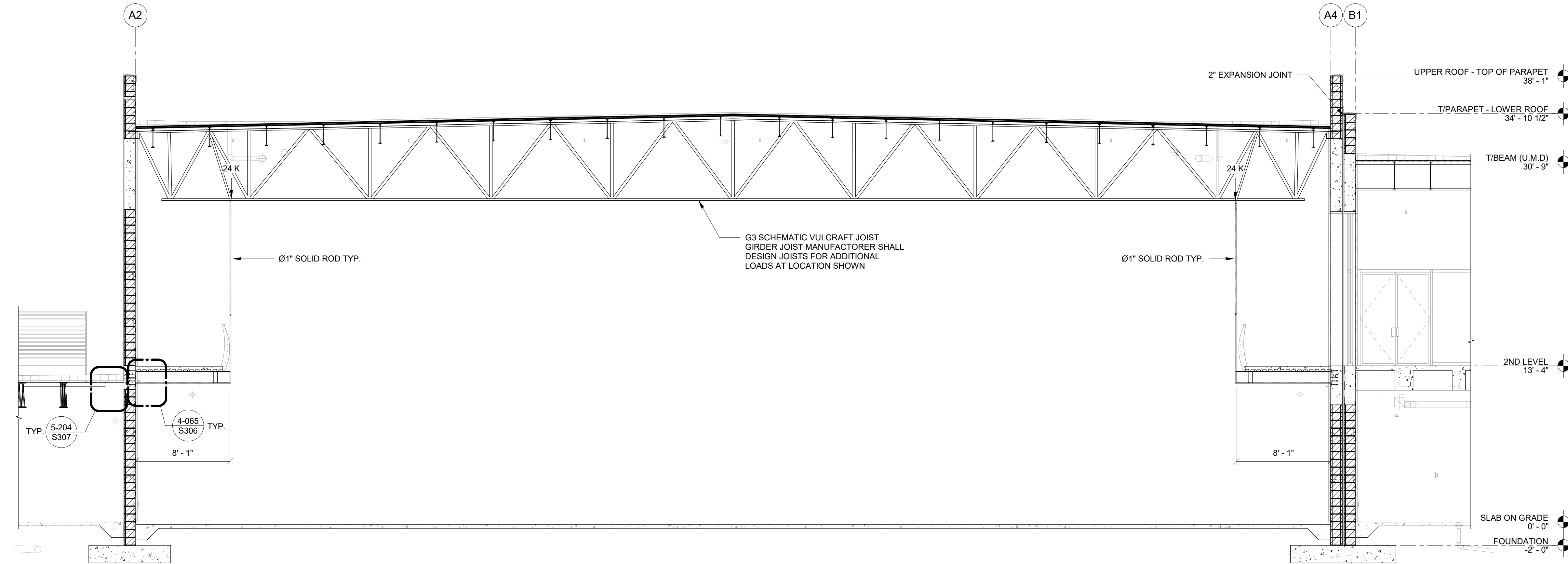


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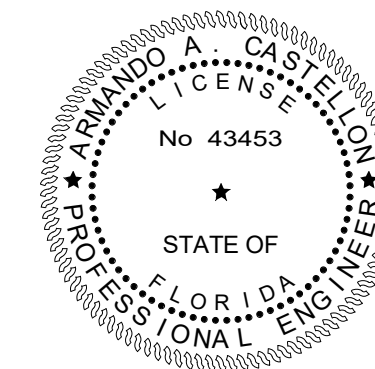
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S7  
S405 SECTION 7  
SCALE: 3/16" = 1'-0"



S8  
S405 SECTION 8  
SCALE: 3/16" = 1'-0"



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**PROJECT:**

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FL 33444**

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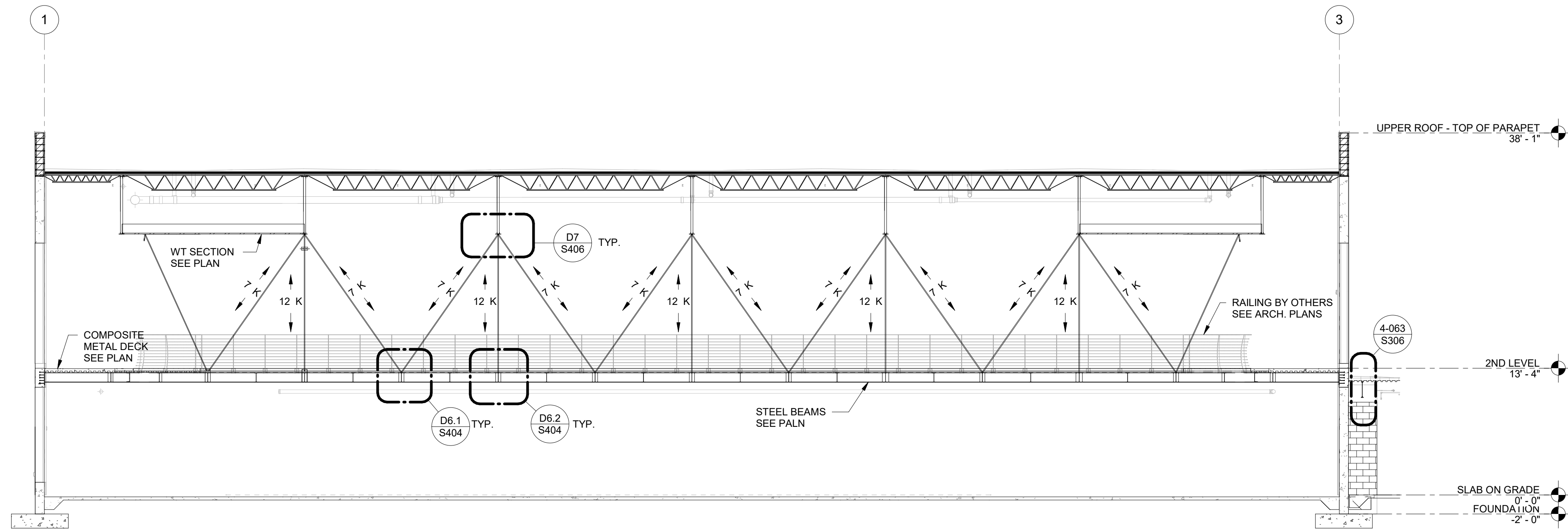
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SECTIONS AND DETAILS

**DATE:** Dec. 27, 2022  
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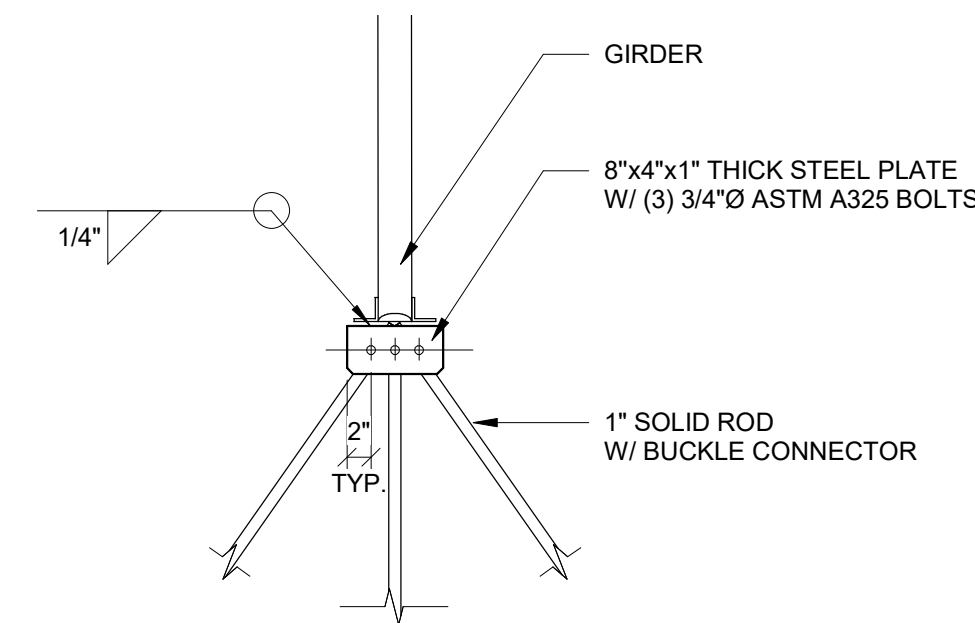
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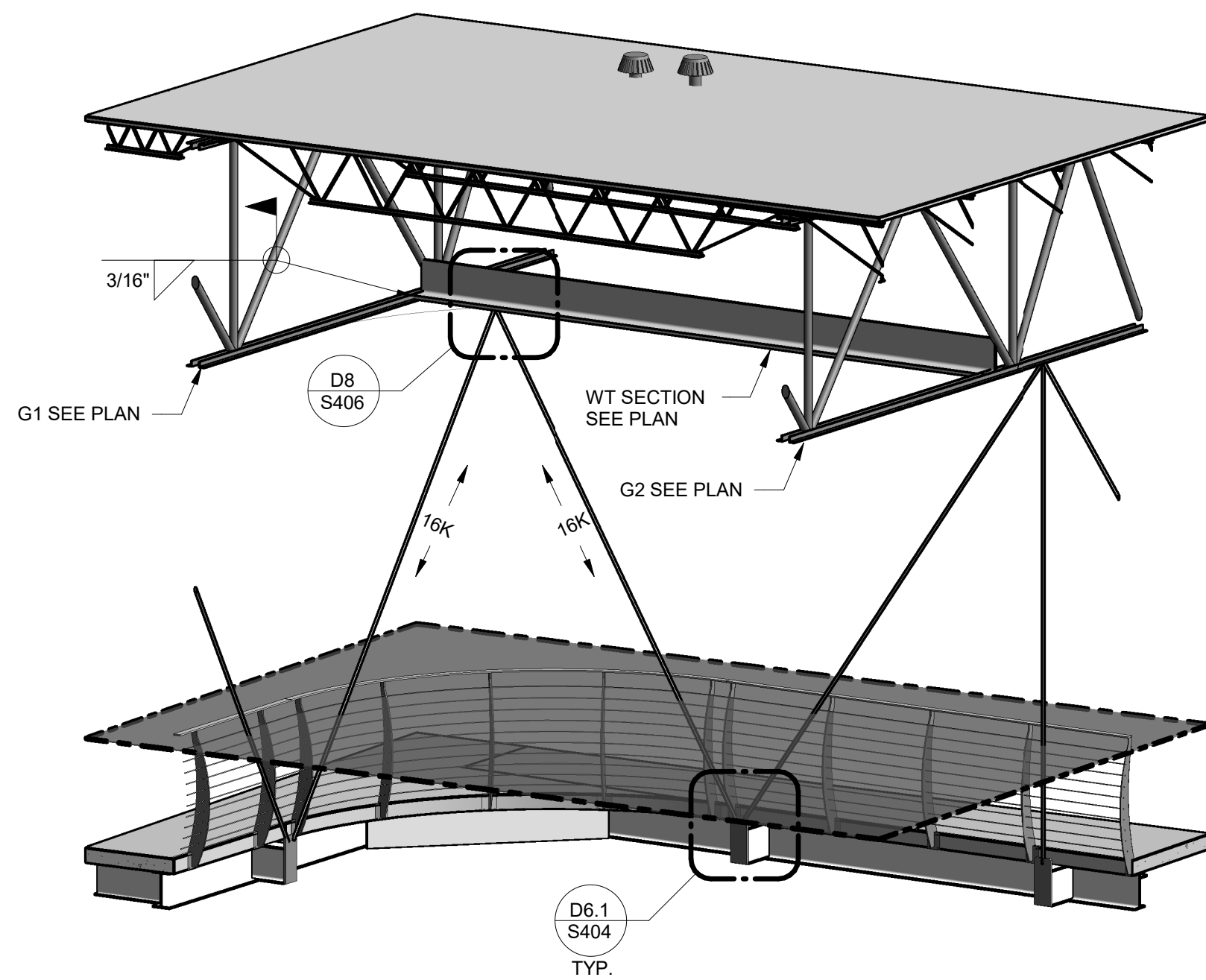
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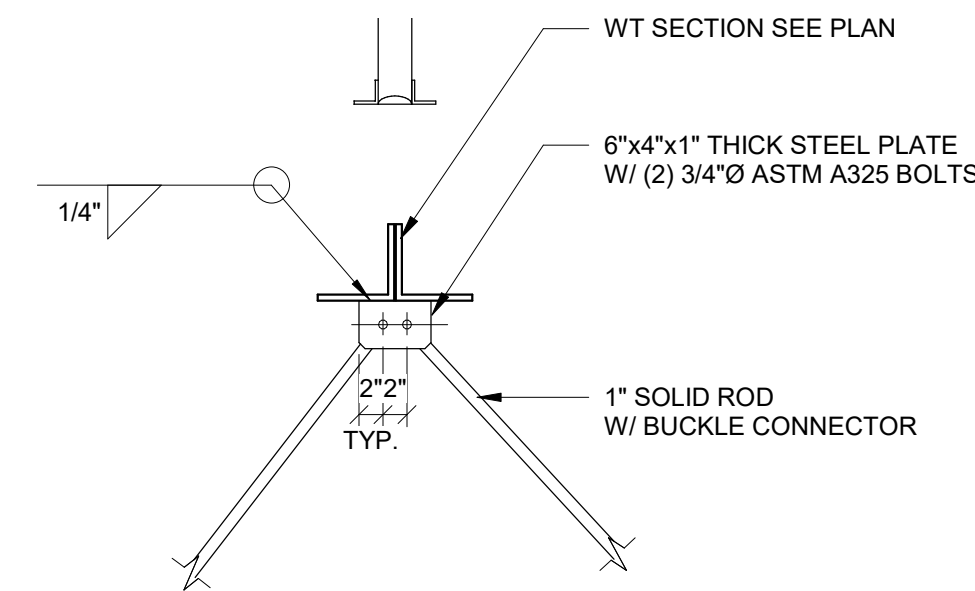
S9  
SECTION 9  
SCALE: 1/8" = 1'-0"



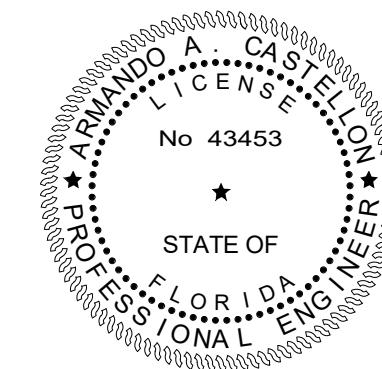
D7  
HANGING SOLID ROD TOP CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"



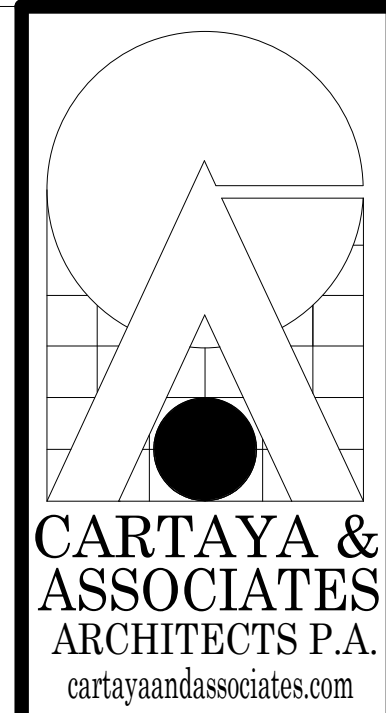
3D VIEW OF GYM CORNER  
SCALE:



D8  
HANGING SOLID ROD TOP CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"



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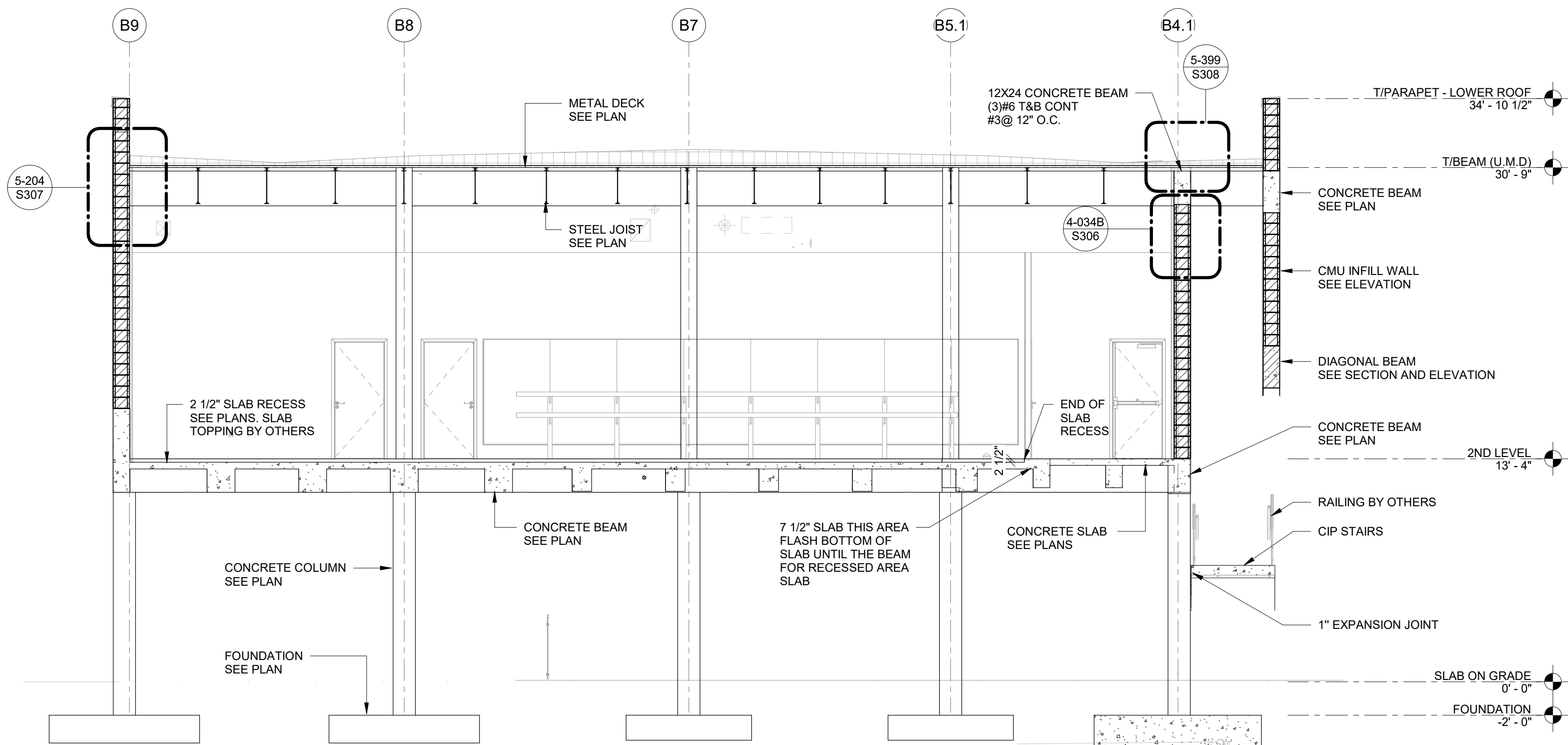
PROJECT:  
CITY OF DELRAY BEACH  
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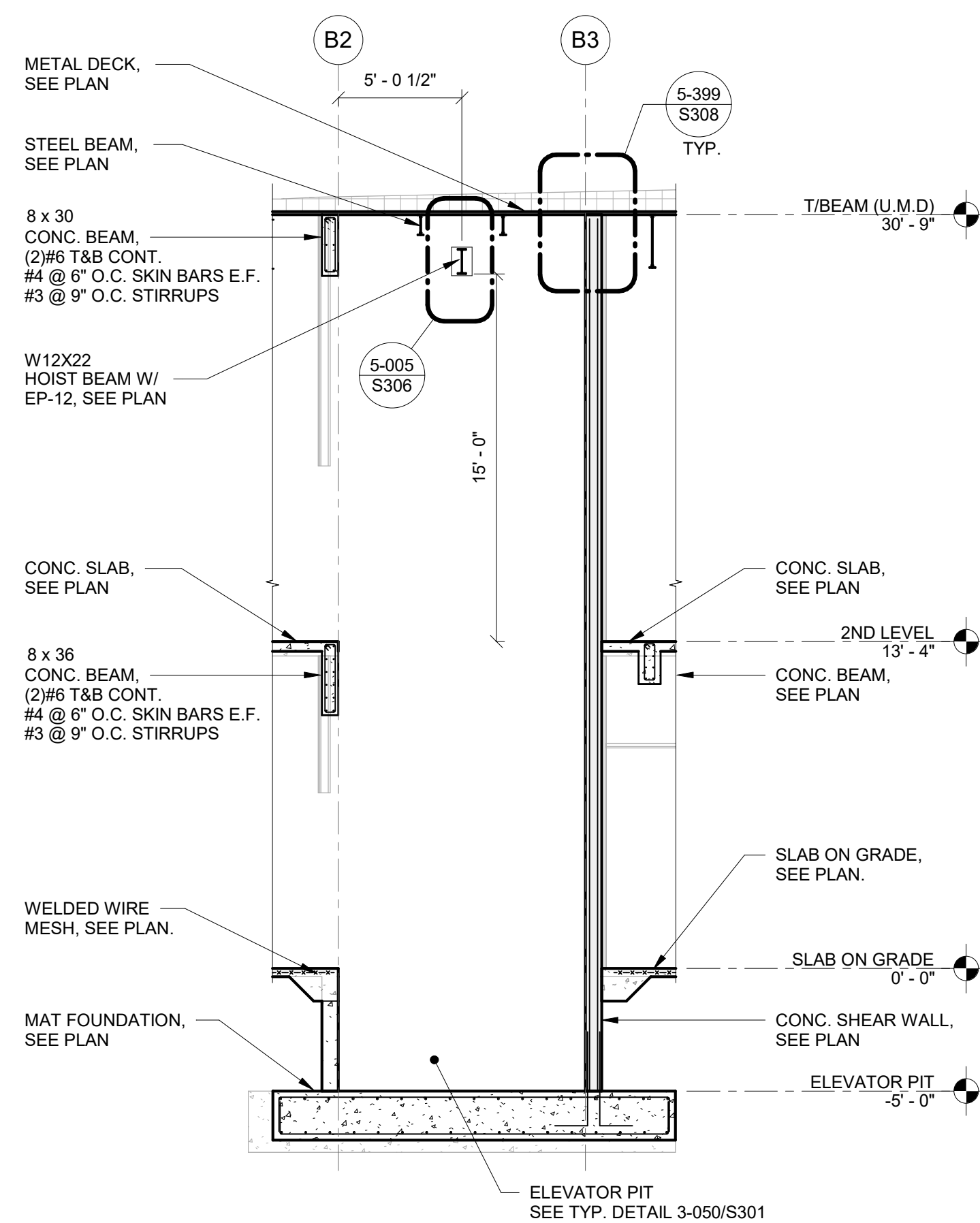
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SECTIONS AND DETAILS  
DATE: Dec. 27, 2022  
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JOB NO:  
2122

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S406  
OF

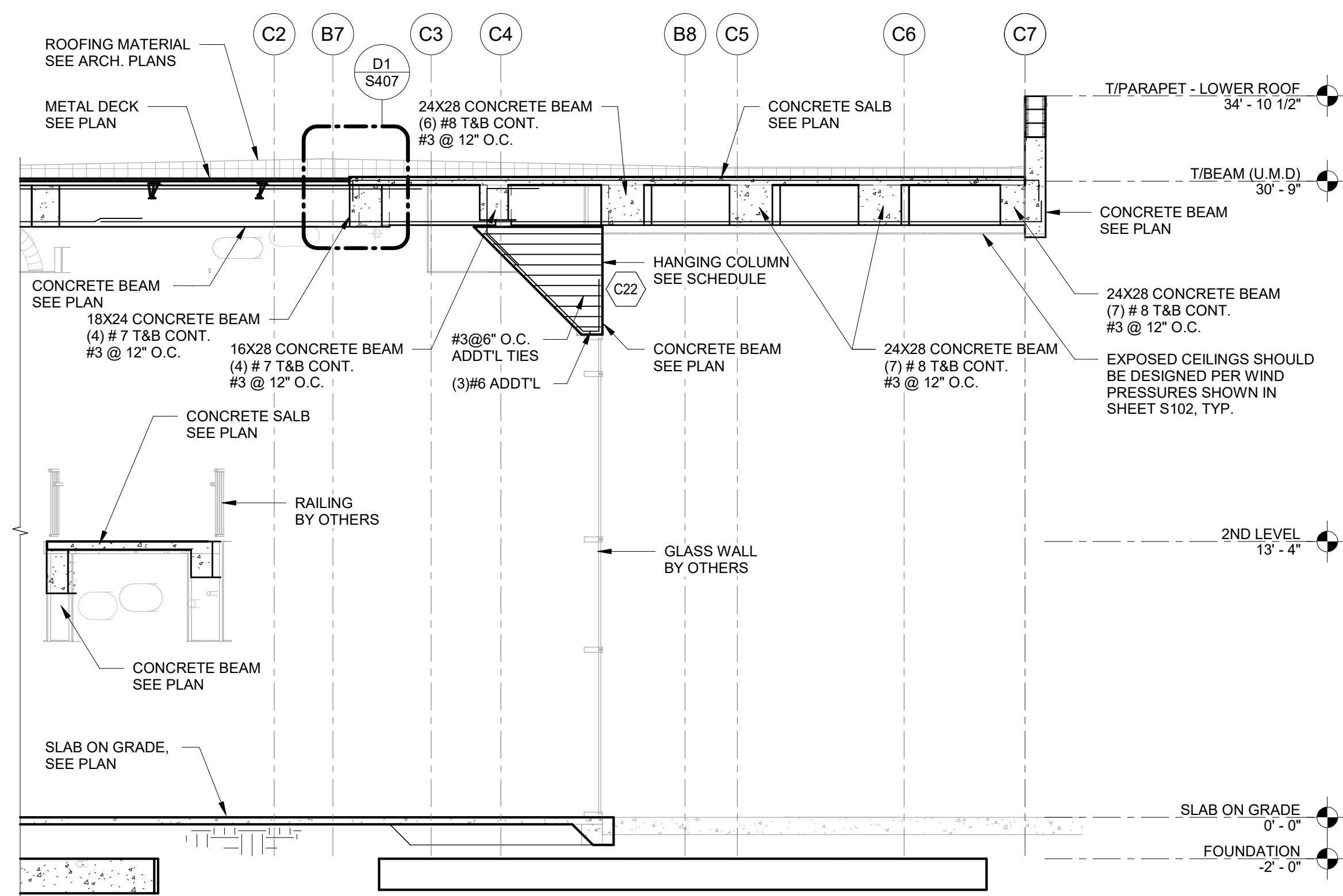
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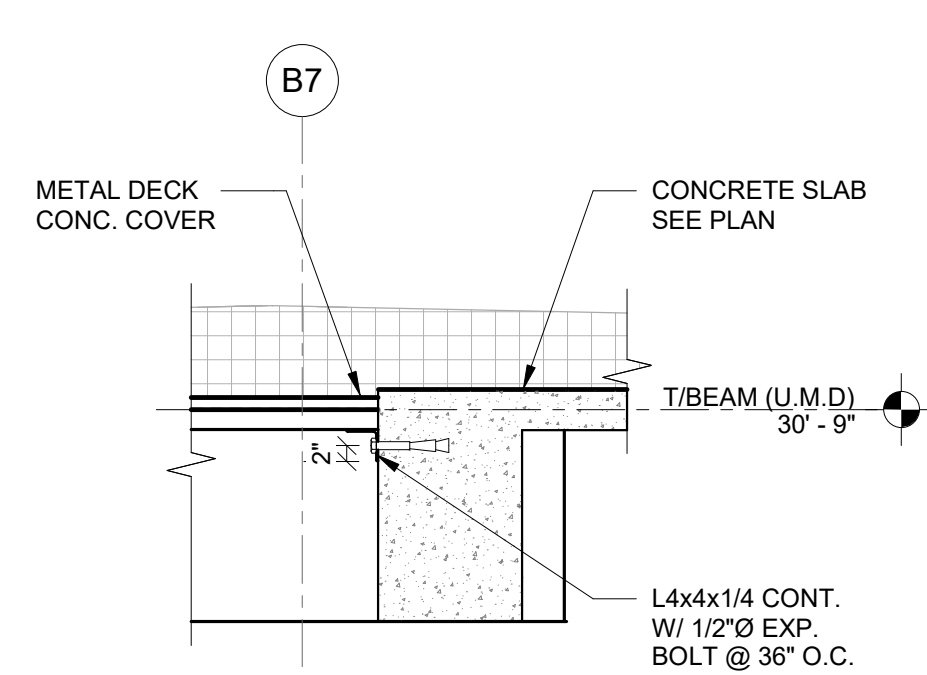
**SECTION 10**  
SCALE: 3/16" = 1'-0"



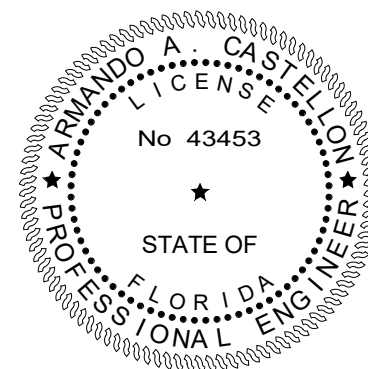
**SECTION 11**  
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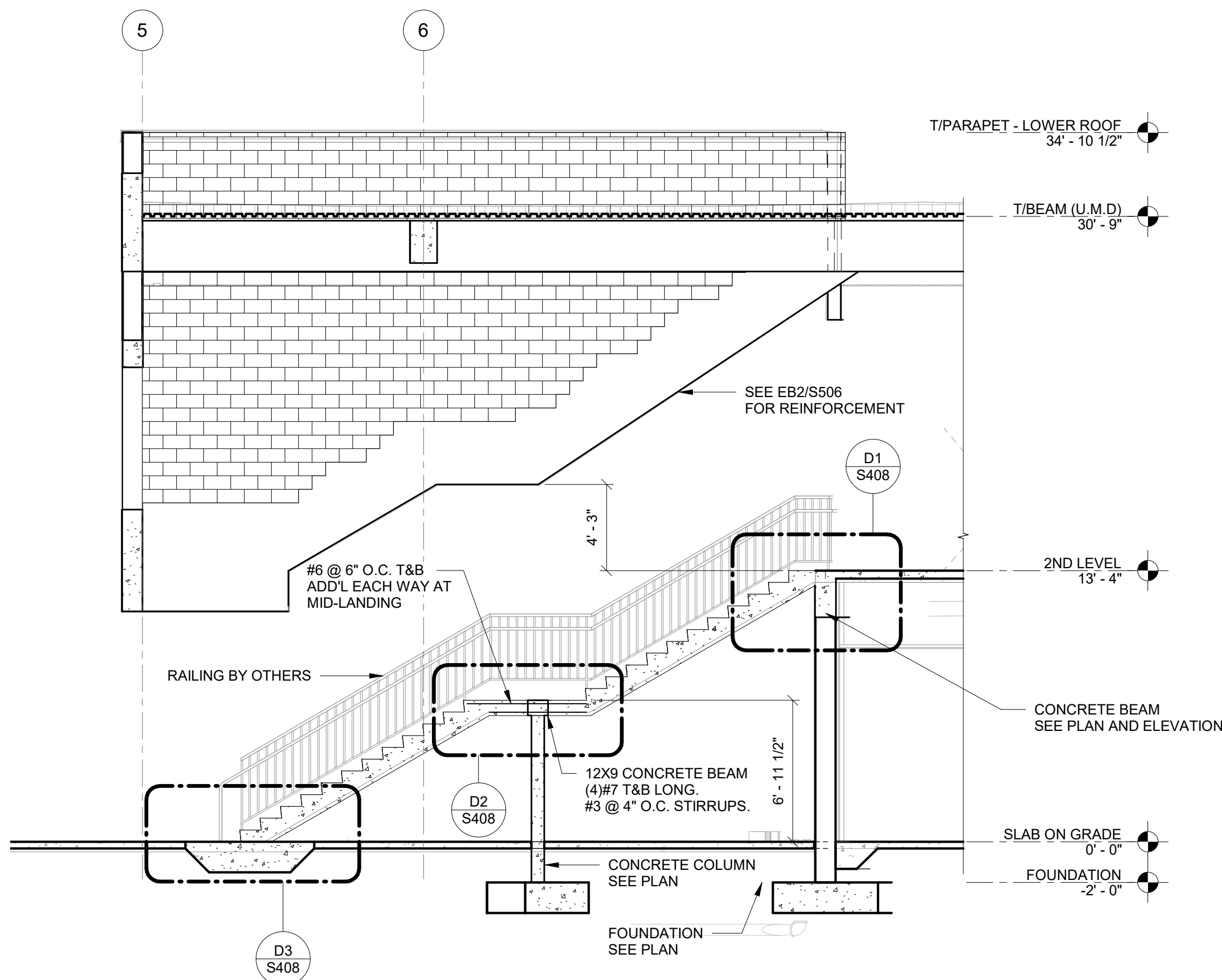
**SECTION 12**  
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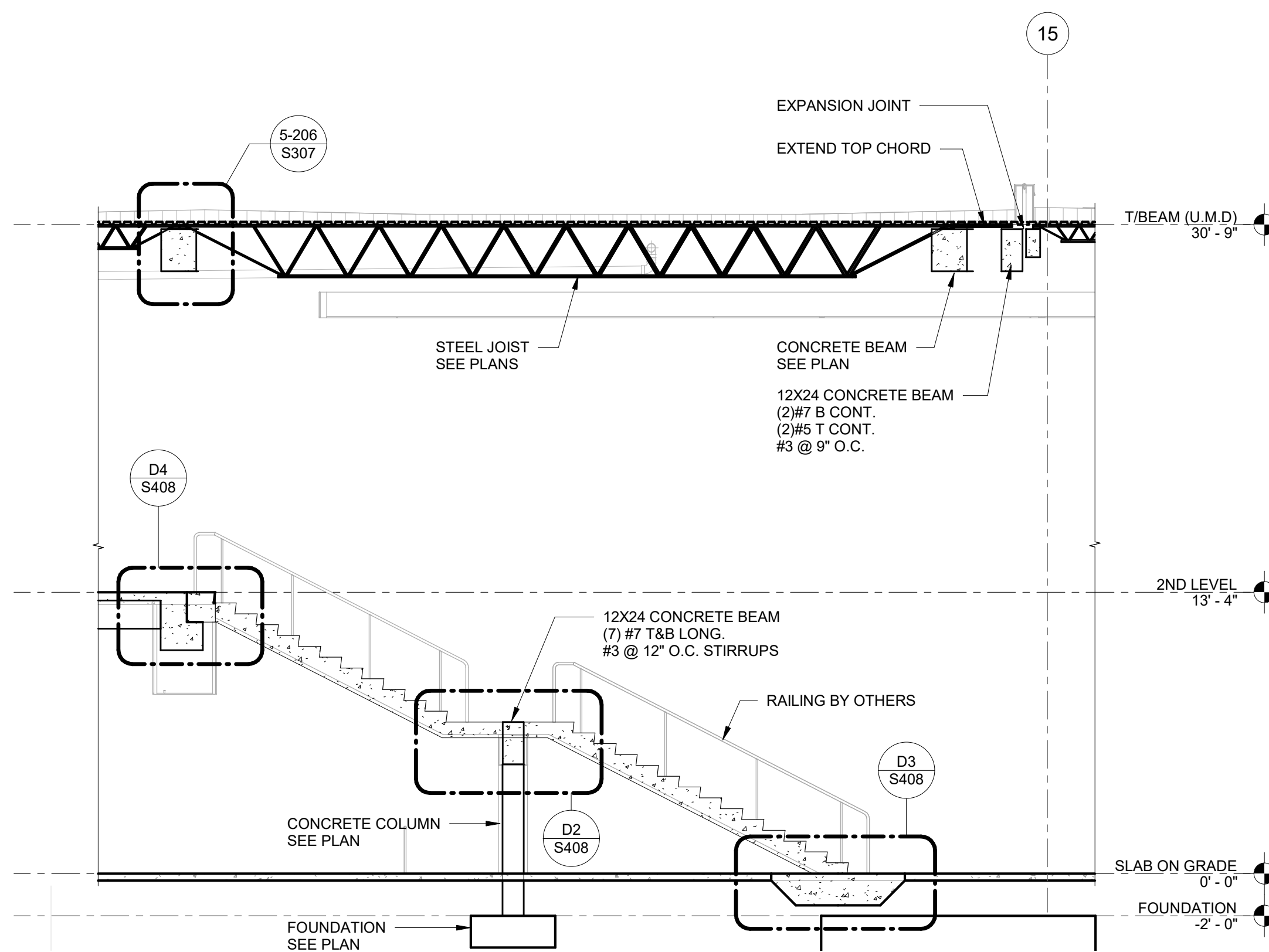
**DETAIL 1**  
SCALE: 1/2" = 1'-0"



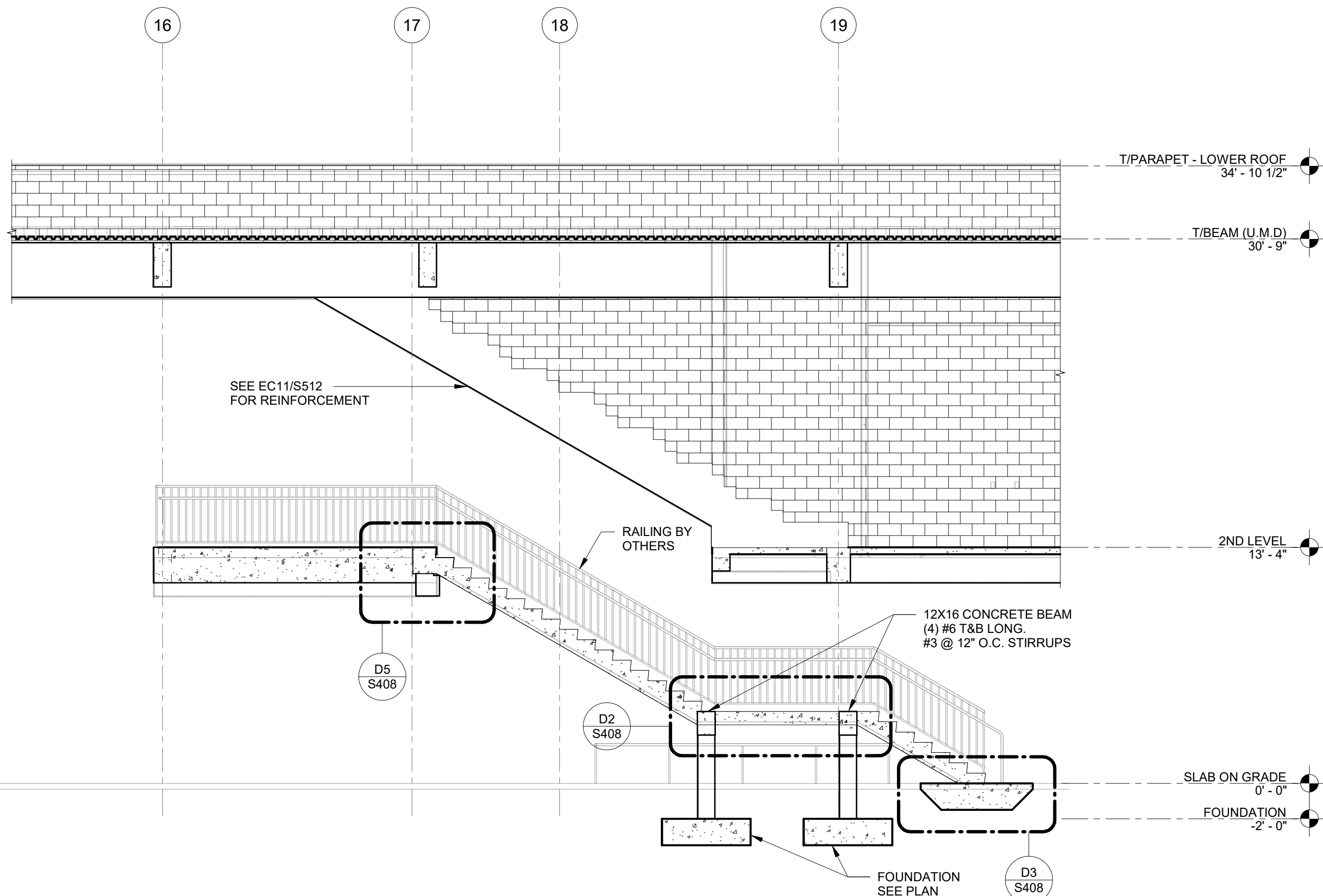
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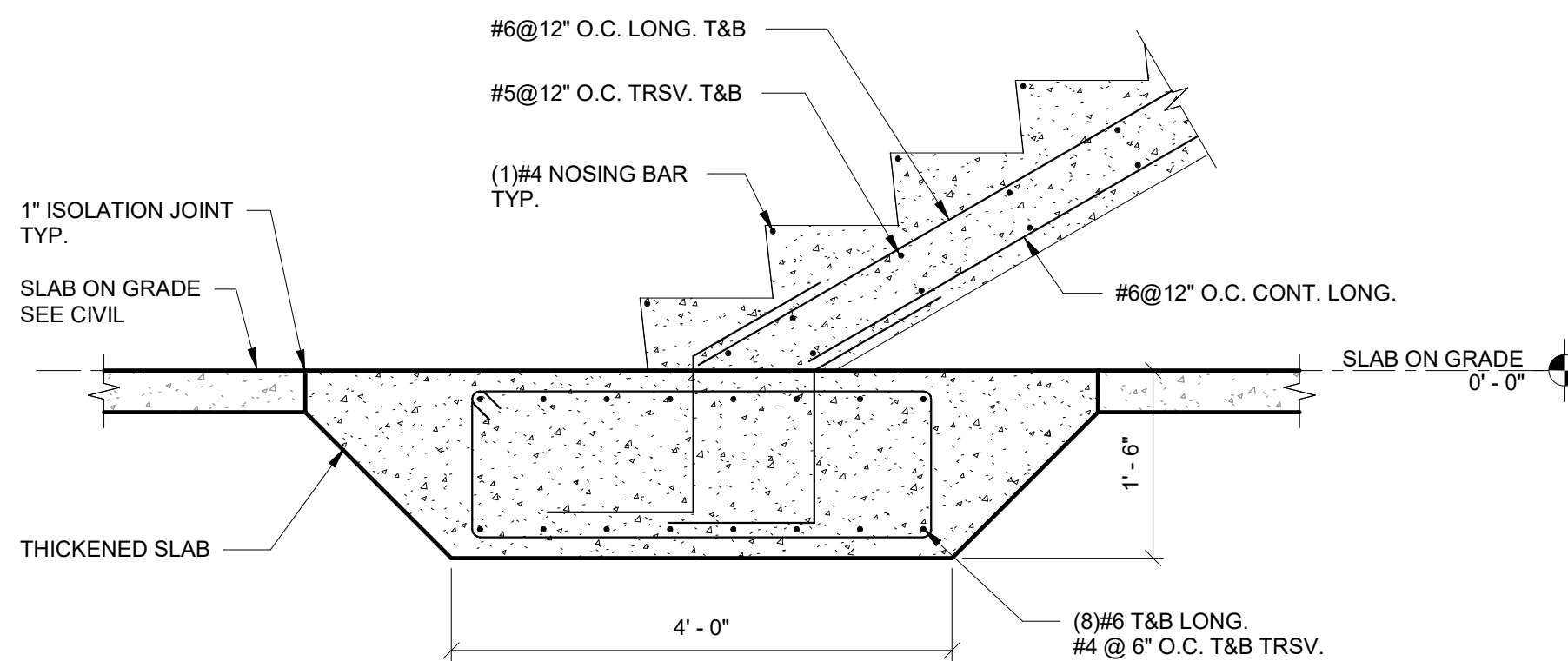
S14  
S408 SECTION 14  
SCALE: 3/16\"/>



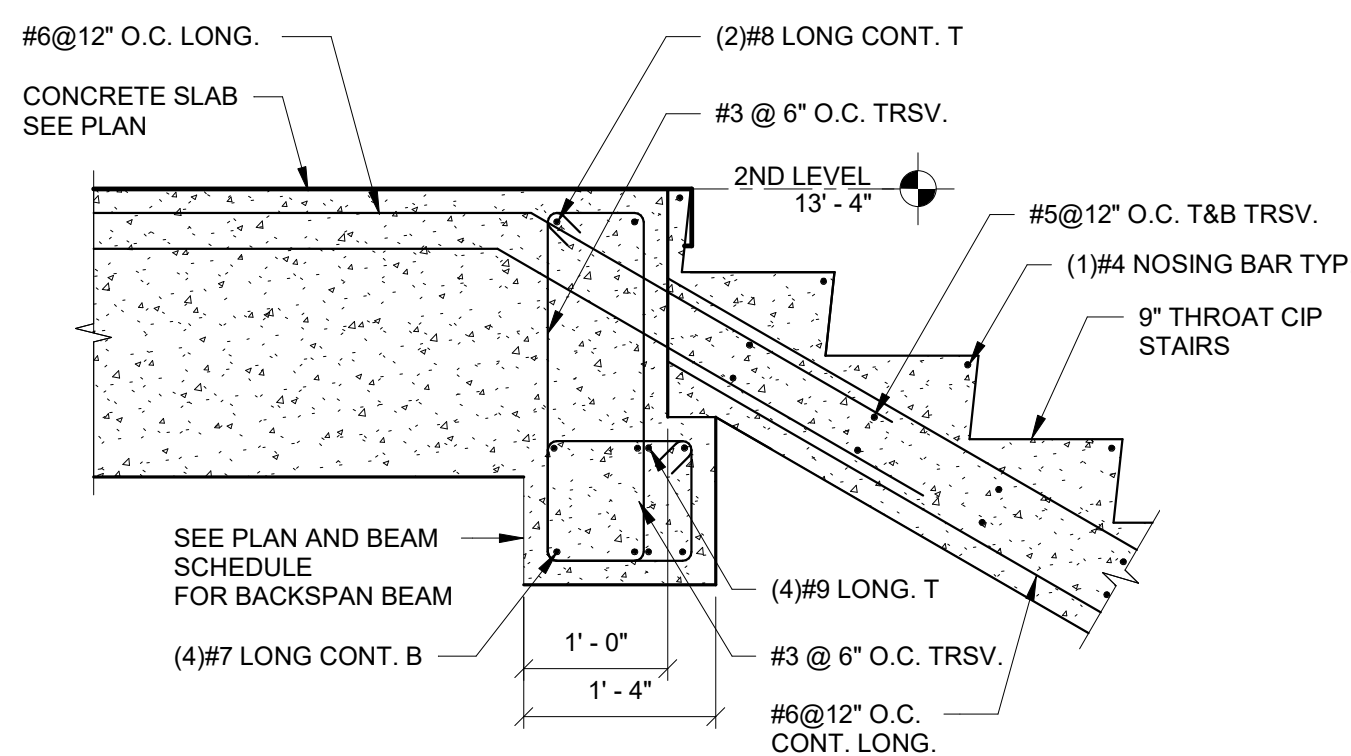
S15  
S408 SECTION 15  
SCALE: 3/16\"/>



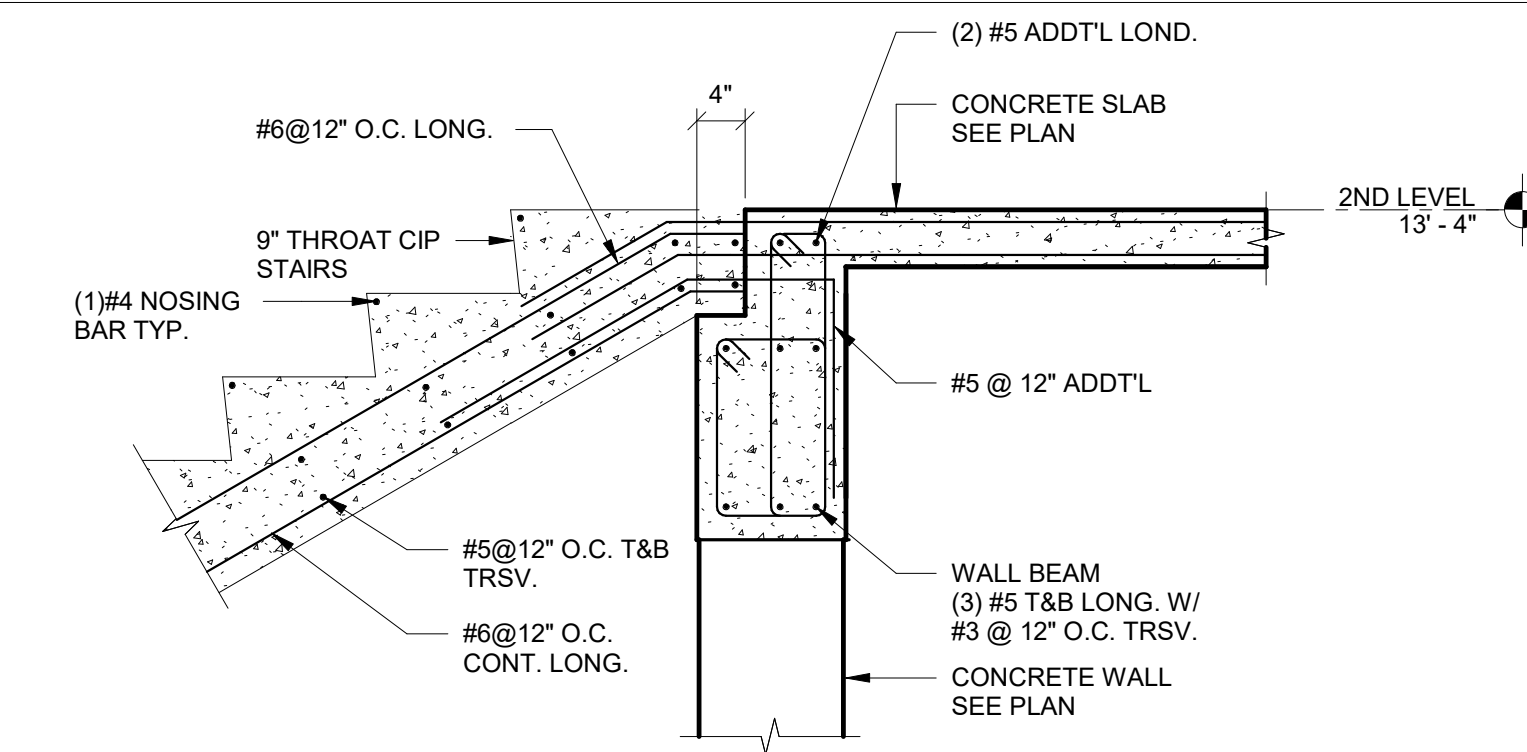
S16  
S408 SECTION 16  
SCALE: 3/16\"/>



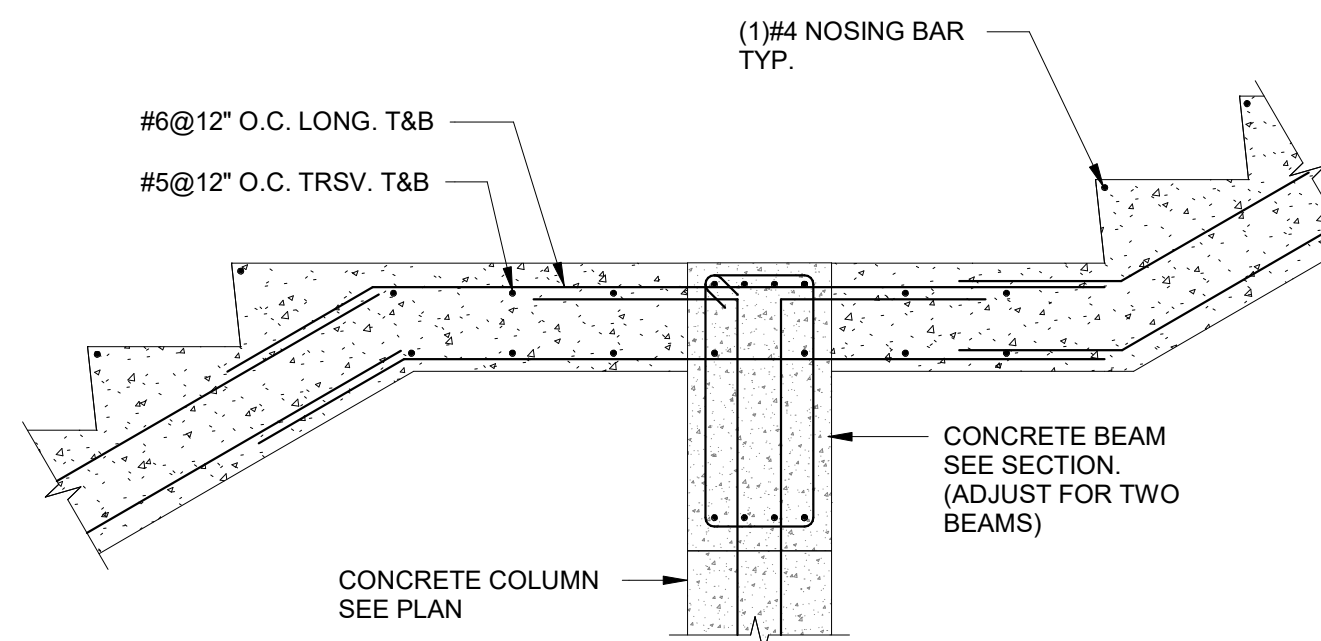
D3  
S408 CIP STAIR BOTTOM DETAILS  
SCALE: 3/4\"/>



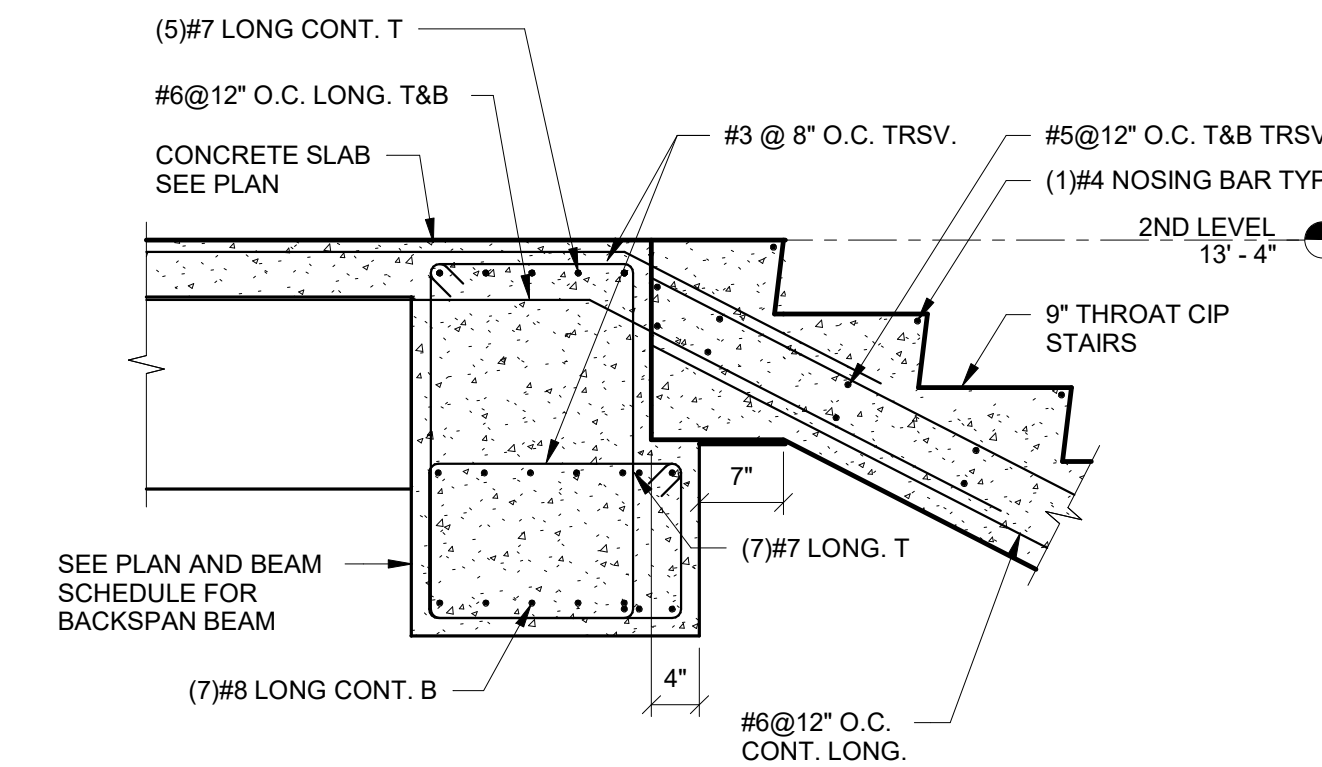
D5  
S408 CIP STAIRS TOP OF BEAM DETAILS (AREA C)  
SCALE: 3/4\"/>



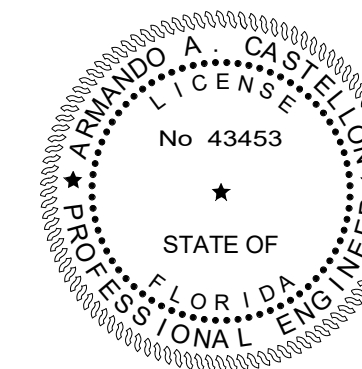
D1  
S408 CIP STAIRS TOP OF WALL DETAILS  
SCALE: 3/4\"/>



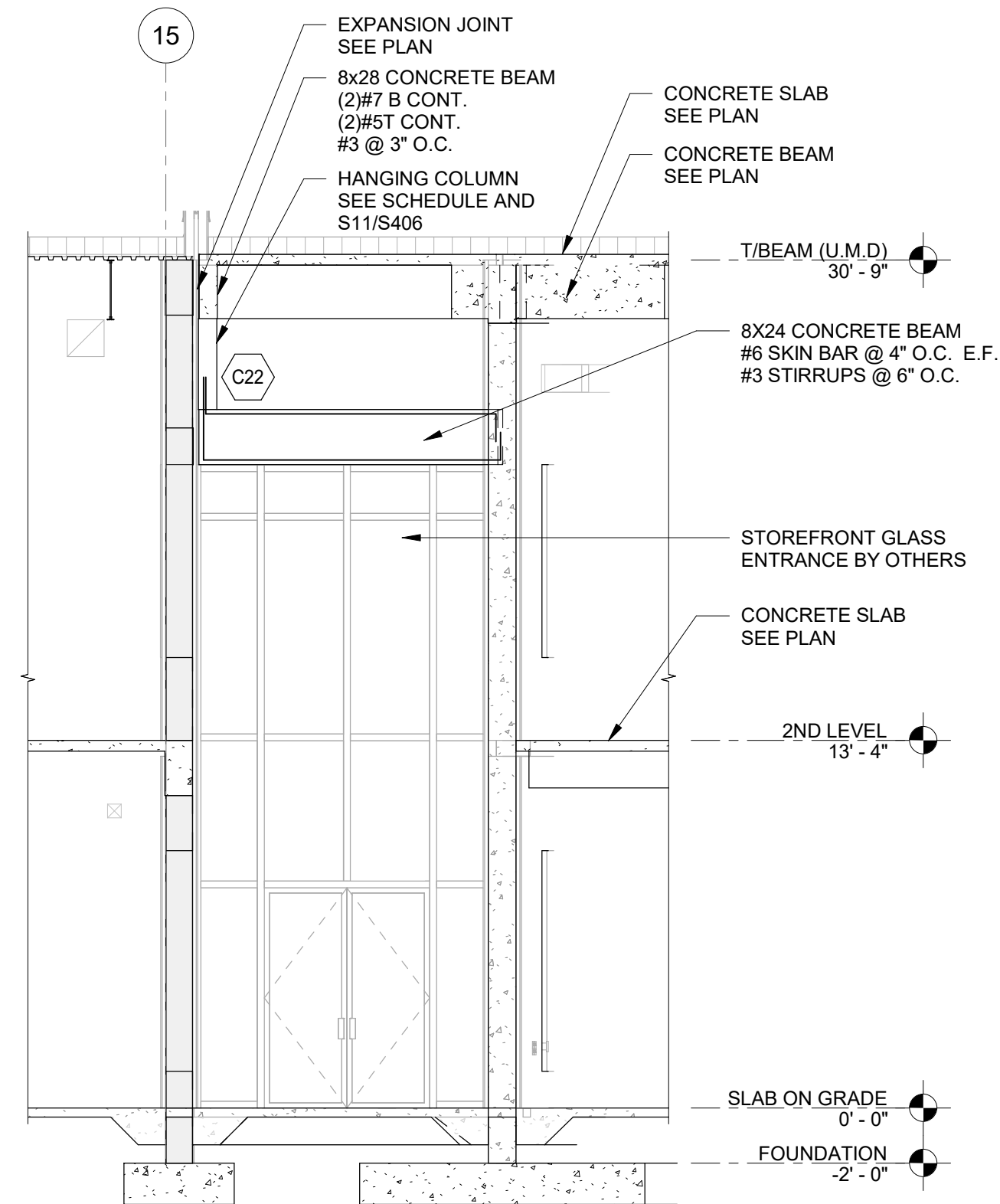
D2  
S408 CIP STAIRS MID LANDING DETAILS  
SCALE: 3/4\"/>



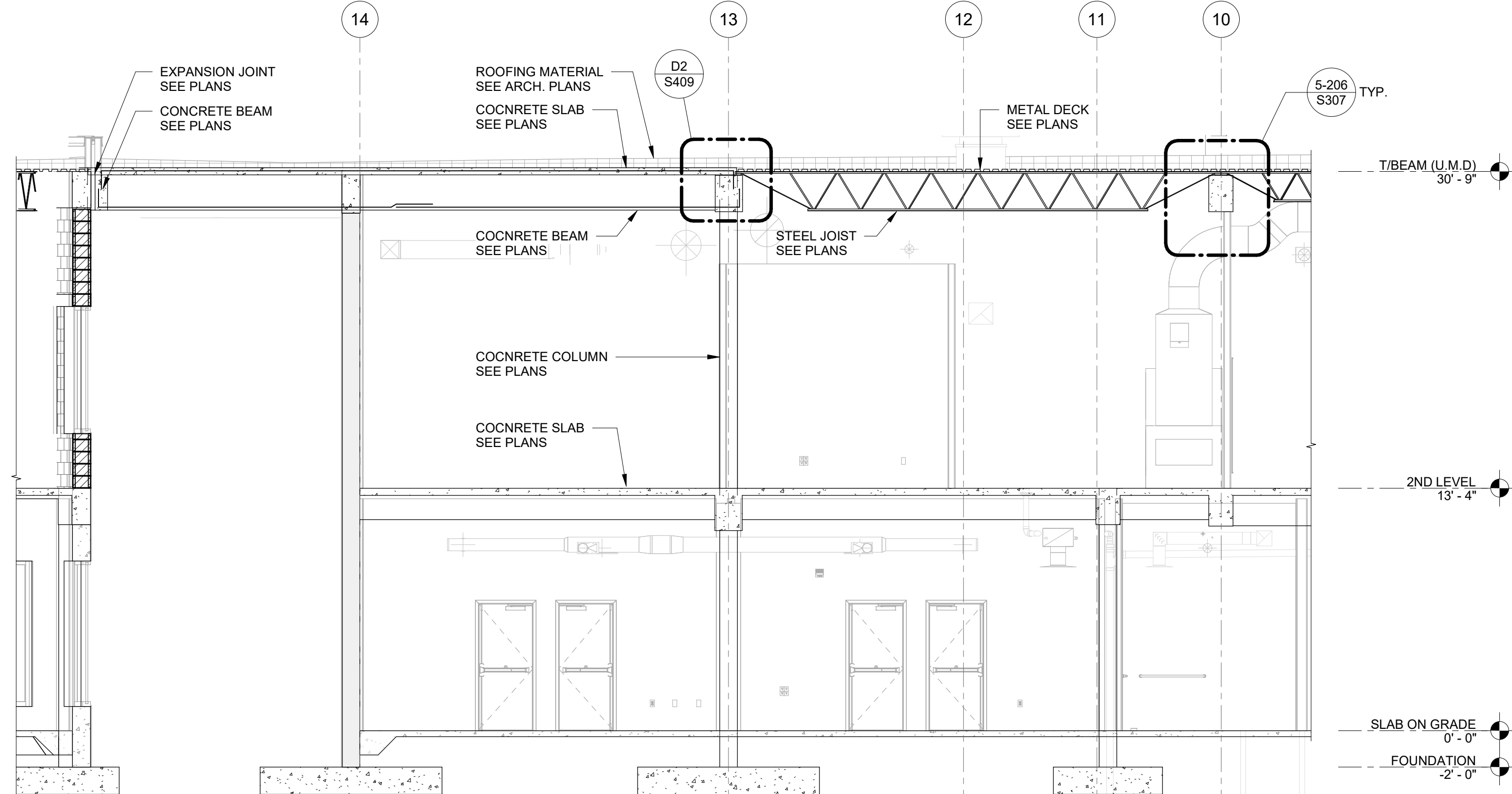
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S408 CIP STAIRS TOP OF BEAM DETAILS (AREA B)  
SCALE: 3/4\"/>



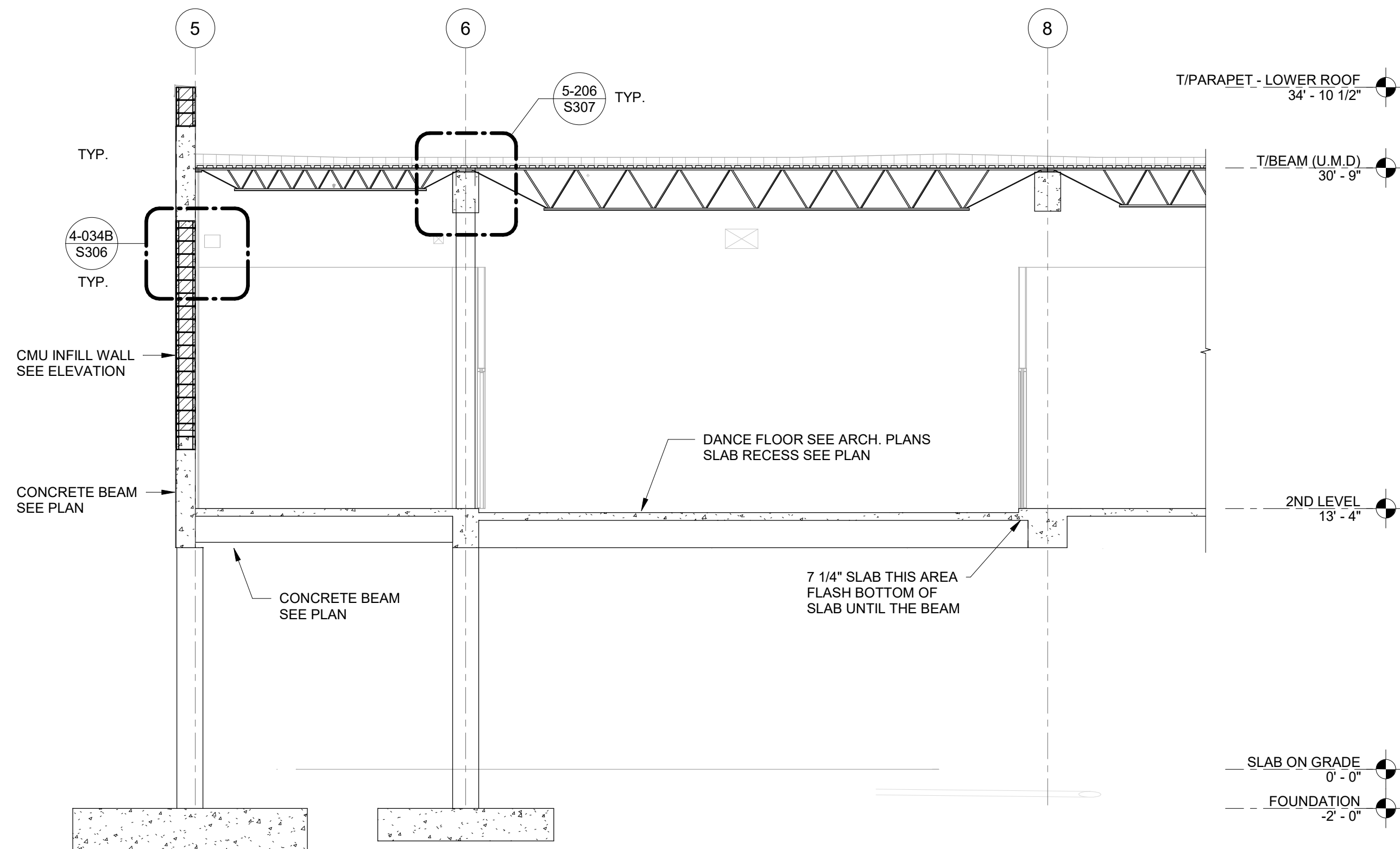
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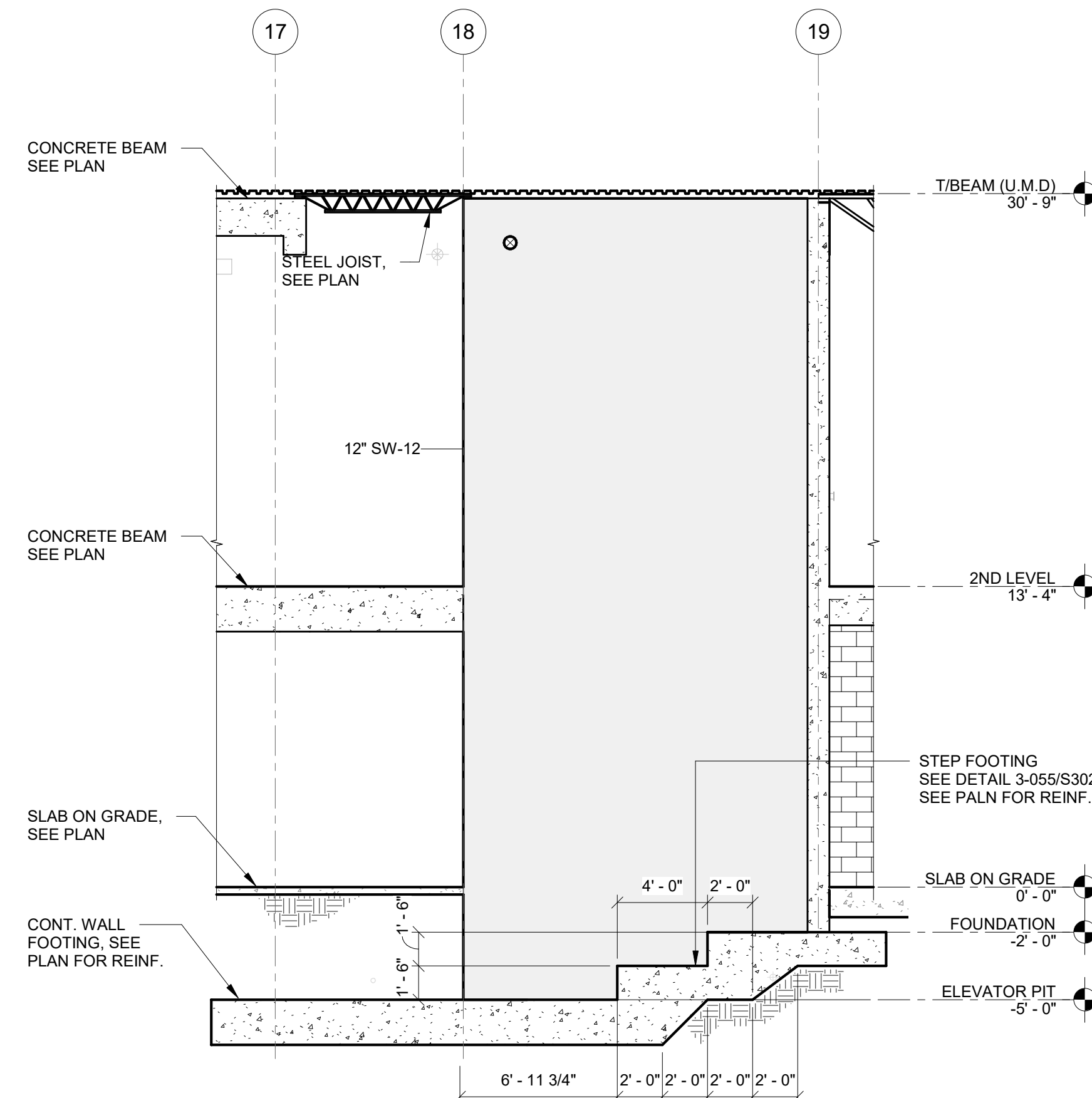
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S409 SECTION 17  
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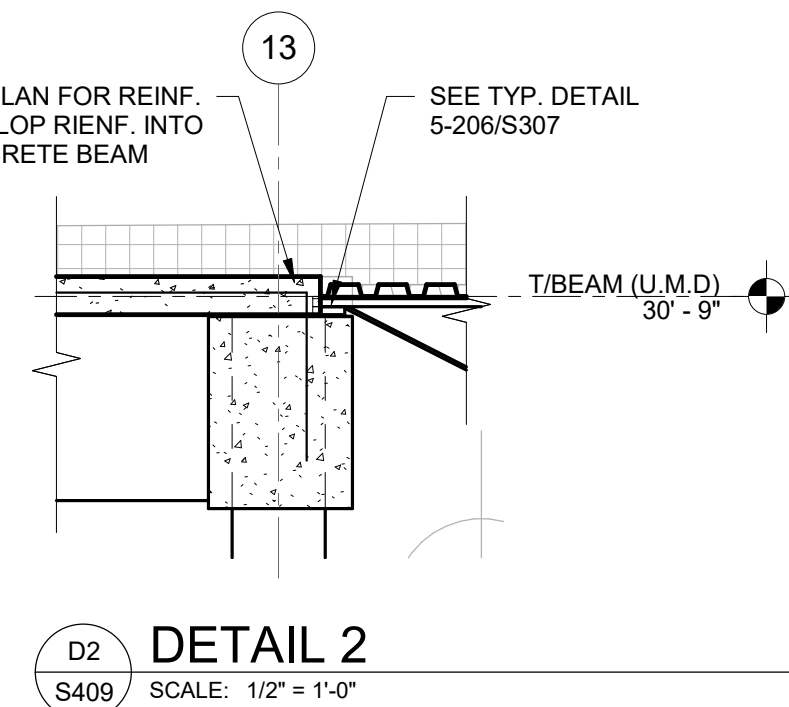
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S409 SECTION 18  
SCALE: 3/16" = 1'-0"



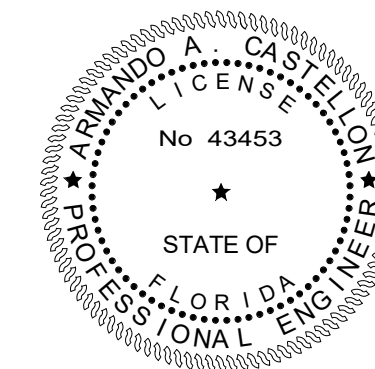
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S409 SECTION 19  
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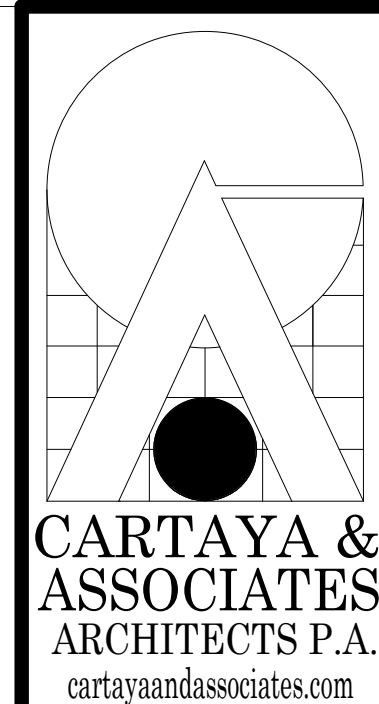
S20  
S409 SECTION 20  
SCALE: 3/16" = 1'-0"



D2  
S409 DETAIL 2  
SCALE: 1/2" = 1'-0"



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DATE: 8/2/20 DRAWN BY: JAC/NO PROJ. NO. 1333-001-1-11

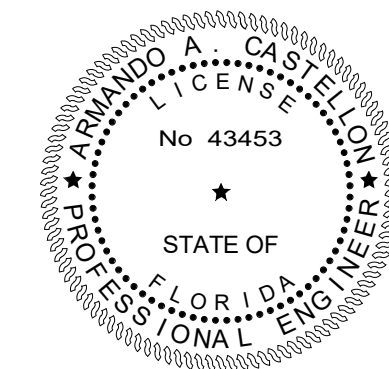
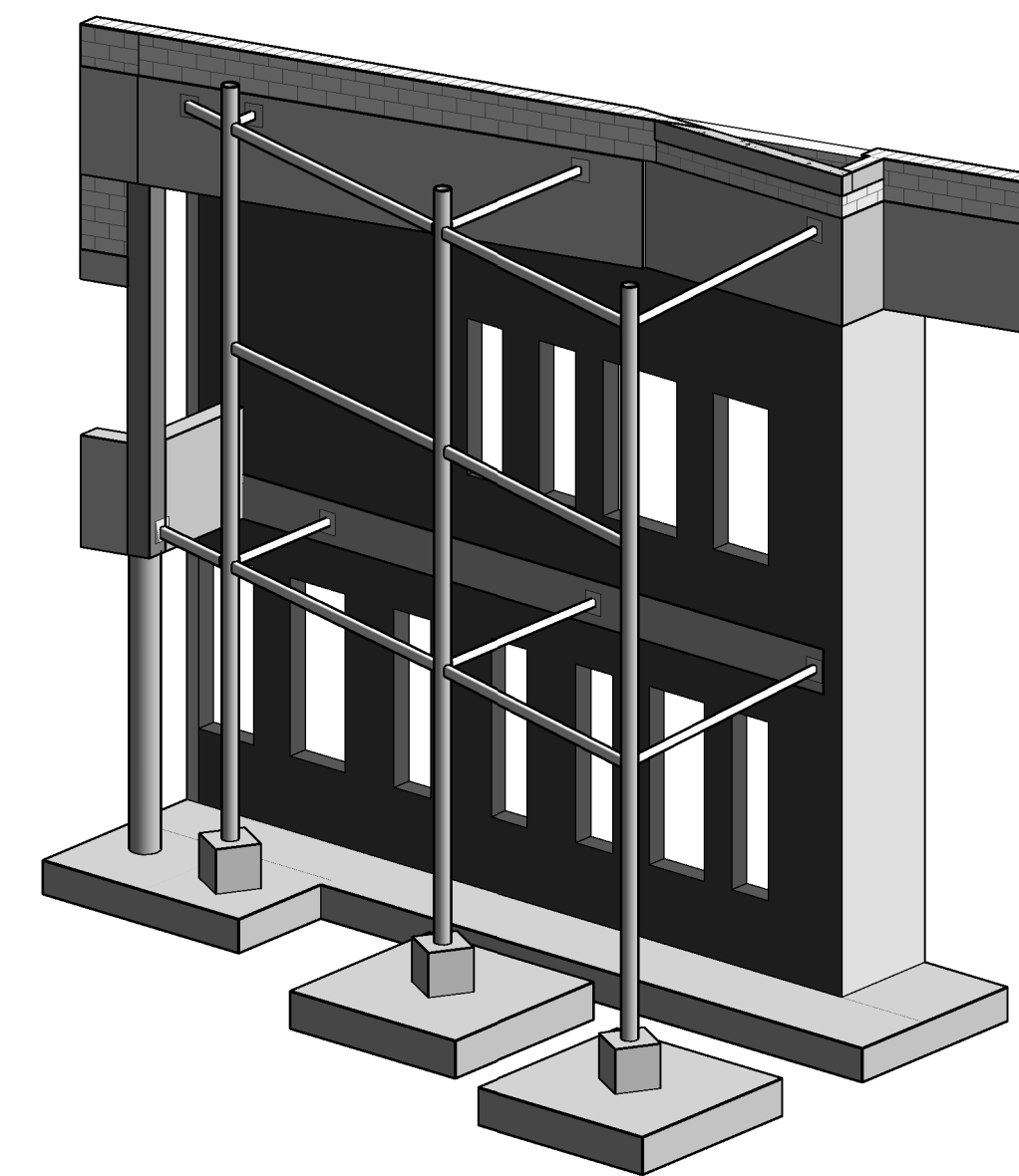
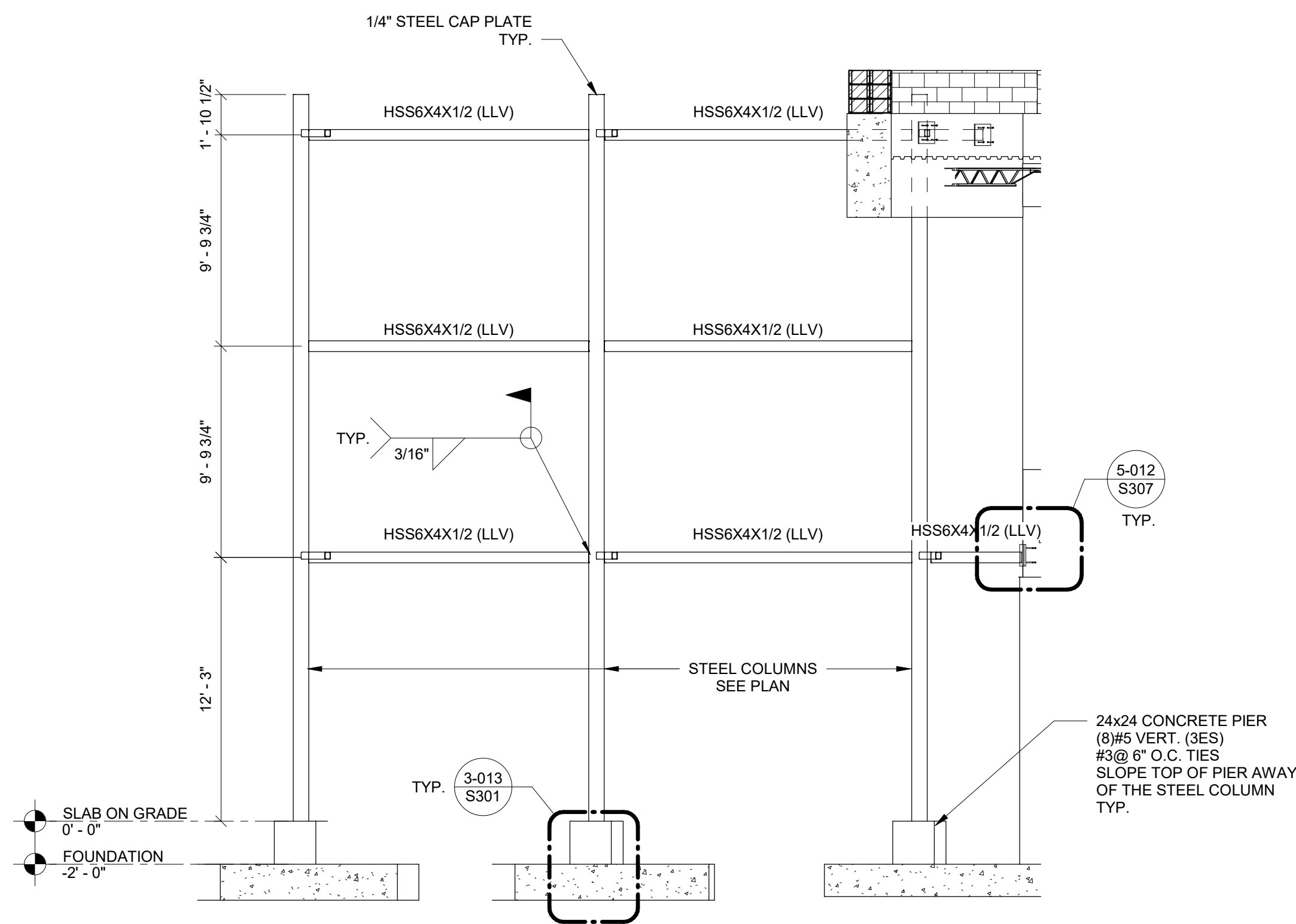
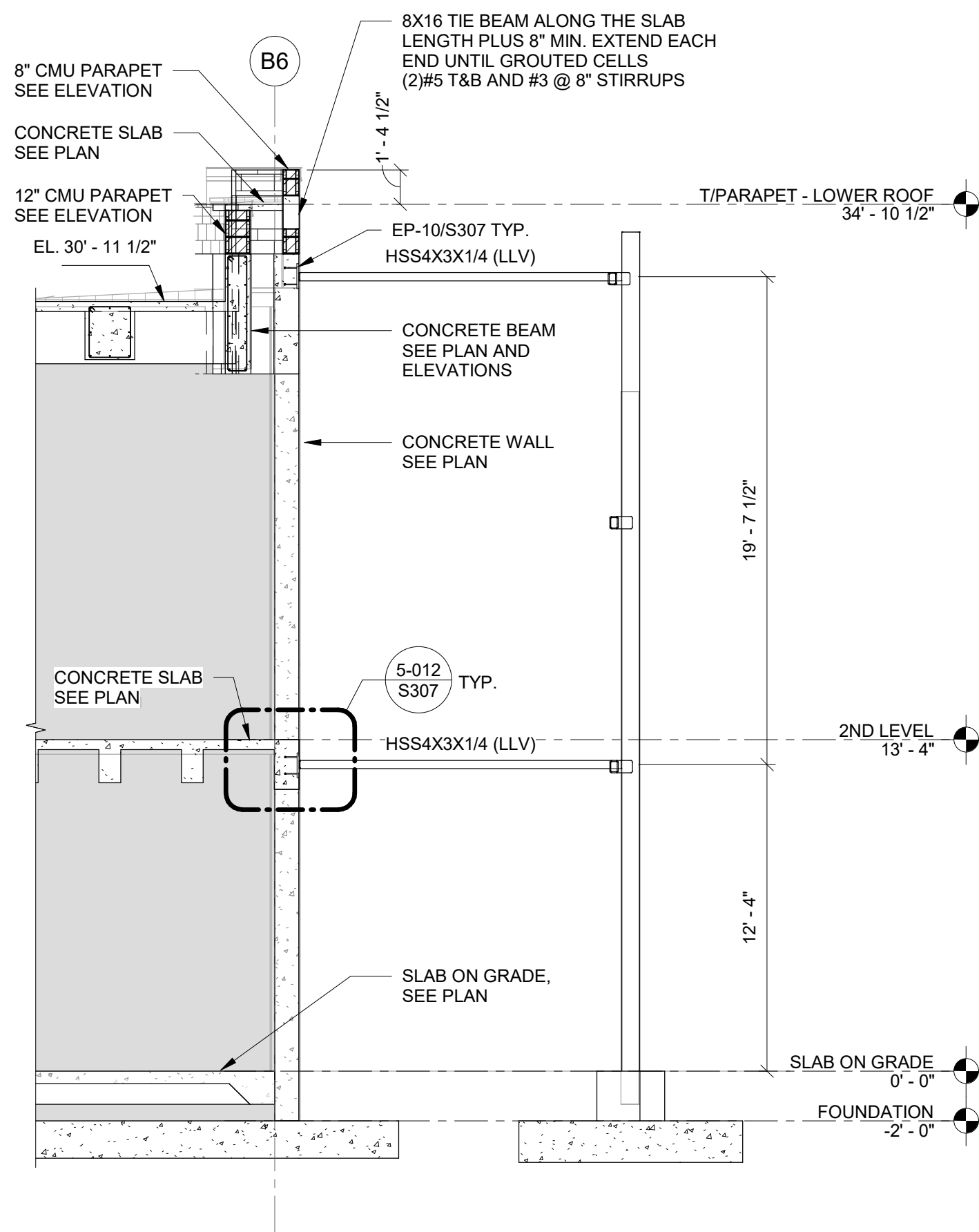
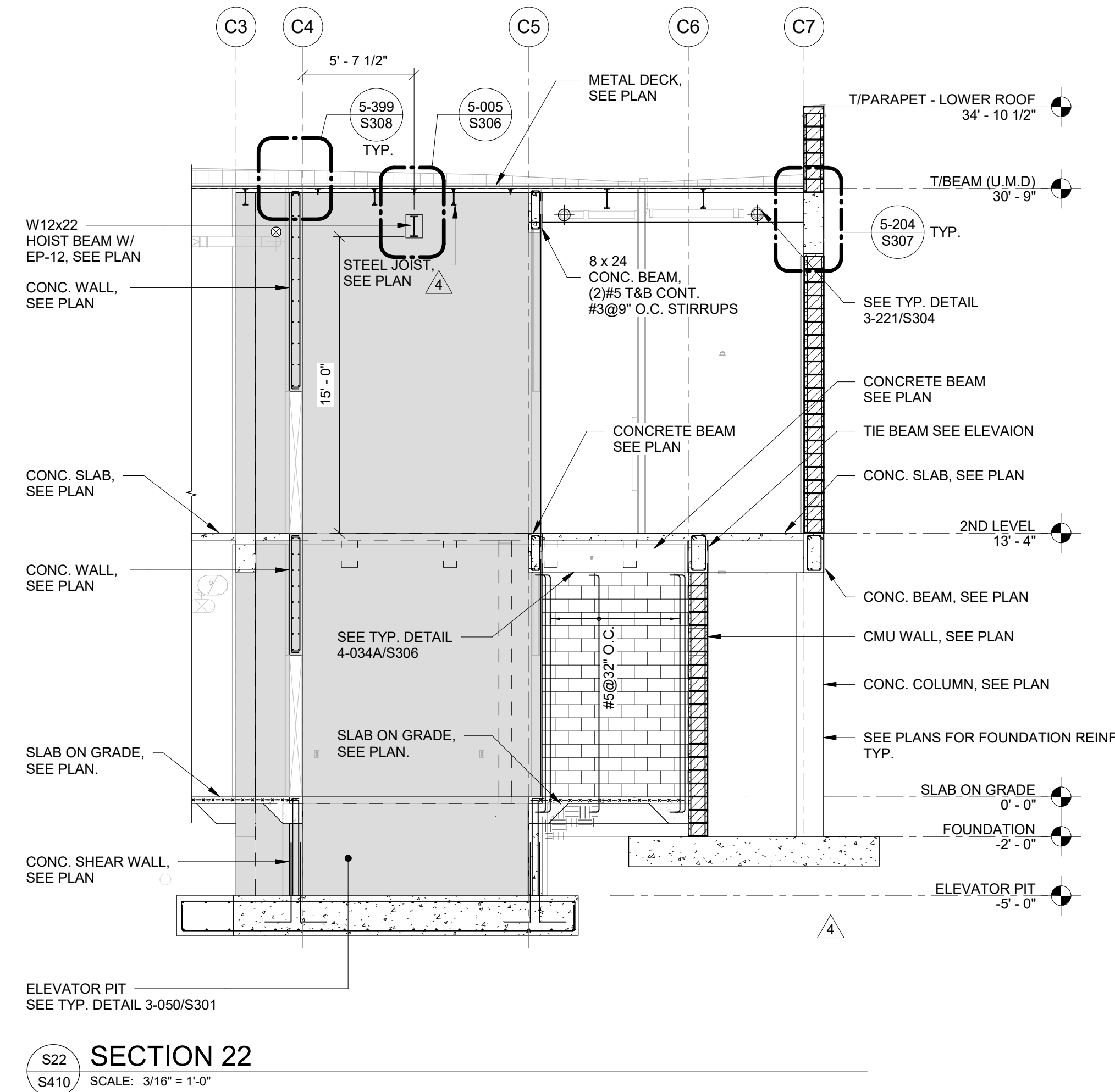
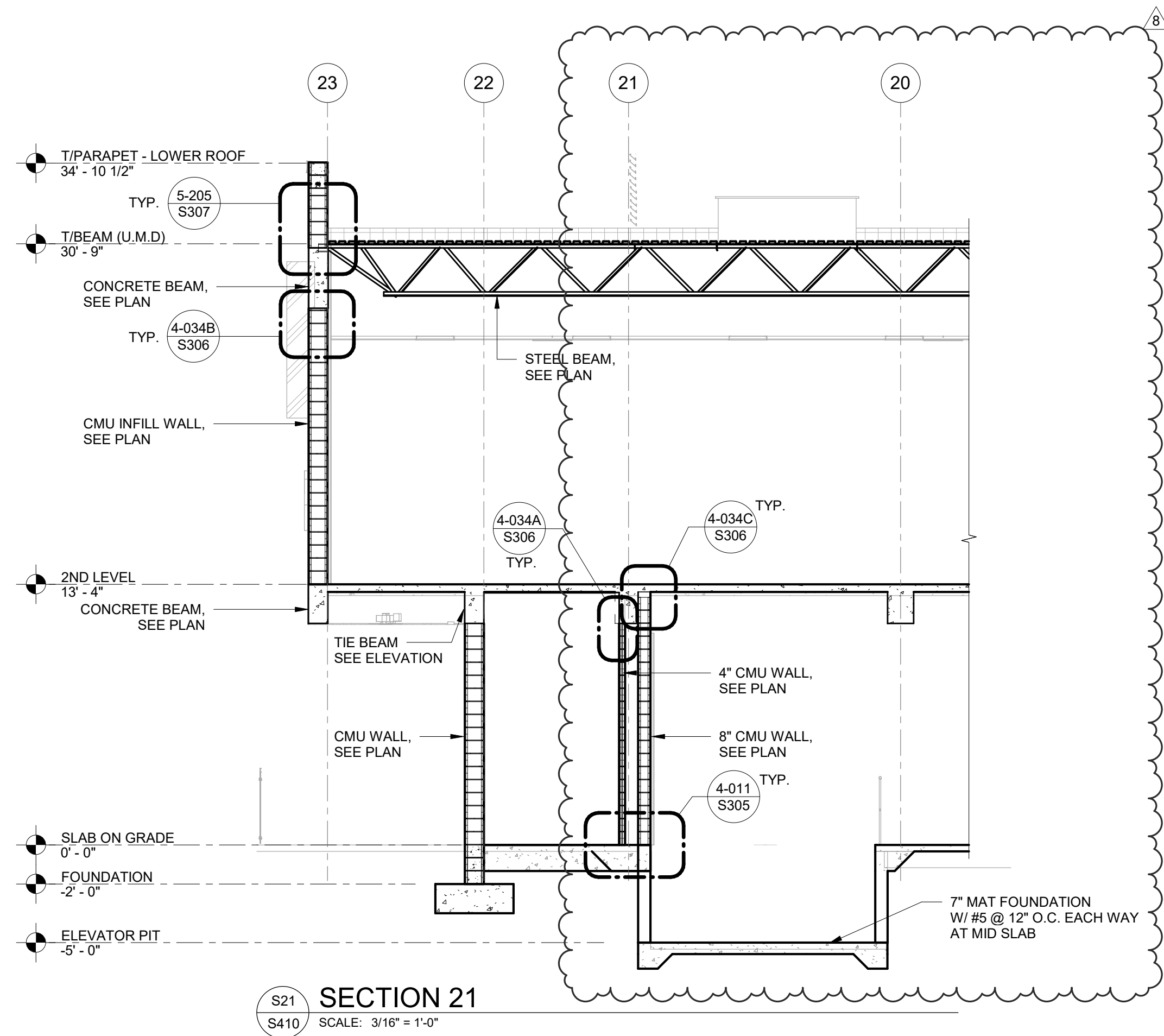
PROJECT:  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

REVISIONS:

TITLE: SECTIONS AND DETAILS  
DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC  
JOB NO: 2122

SHEET: S409  
OF

CONFORMED SET 09/22/2025



ISSUED FOR CONSTRUCTION 11/21/2025

TITLE: SECTIONS AND DETAILS

DATE: Dec. 27, 2022  
DRAWN BY: AN/M  
CHECKED BY: AC

JOB NO: 2122

SHEET: S410

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE

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P.E. #8226 P.E.O. NO. 1333-001-1-1

**CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444**

REVISIONS:  
1. 03/20/2023 Rev 4 RESPONSE TO COMMENTS AND CONFORMED SET  
2. 06/22/2023 CONFORMED SET

**MASTER CONSULTING ENGINEERS, INC.**  
STRUCTURAL CONSULTANTS  
1101 RAVENSWOOD RD., STE. 320  
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CA - 8426 PROJ. NO. 1333-201-31

**CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444**

**PROJECT:**

REVISIONS:

## ELEVATION KEY PLAN

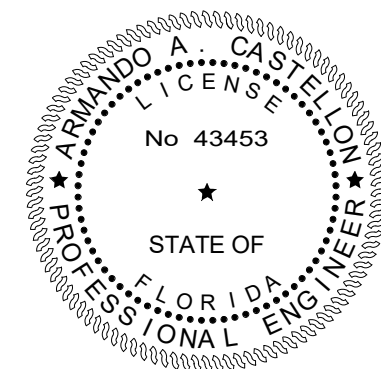
DATE: Dec. 27, 2022  
DRAWN BY: AN/NM  
CHECKED BY: AC

**JOB NO:**  
**2122**

**SHEET:**

**S501**  
**OF**

**OF**

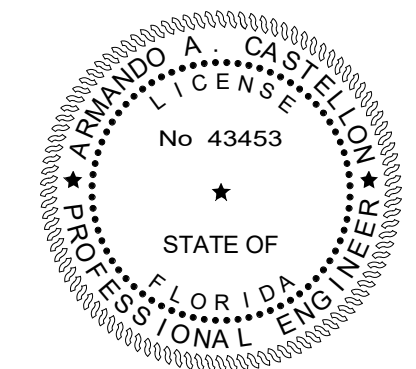
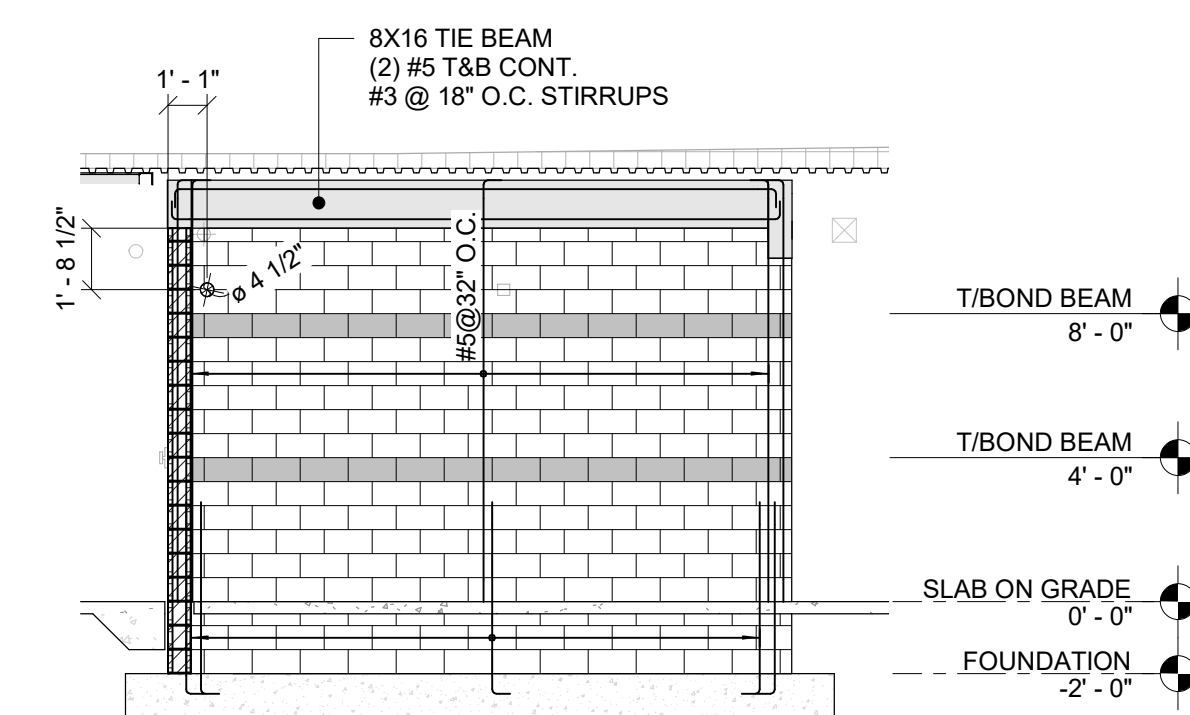
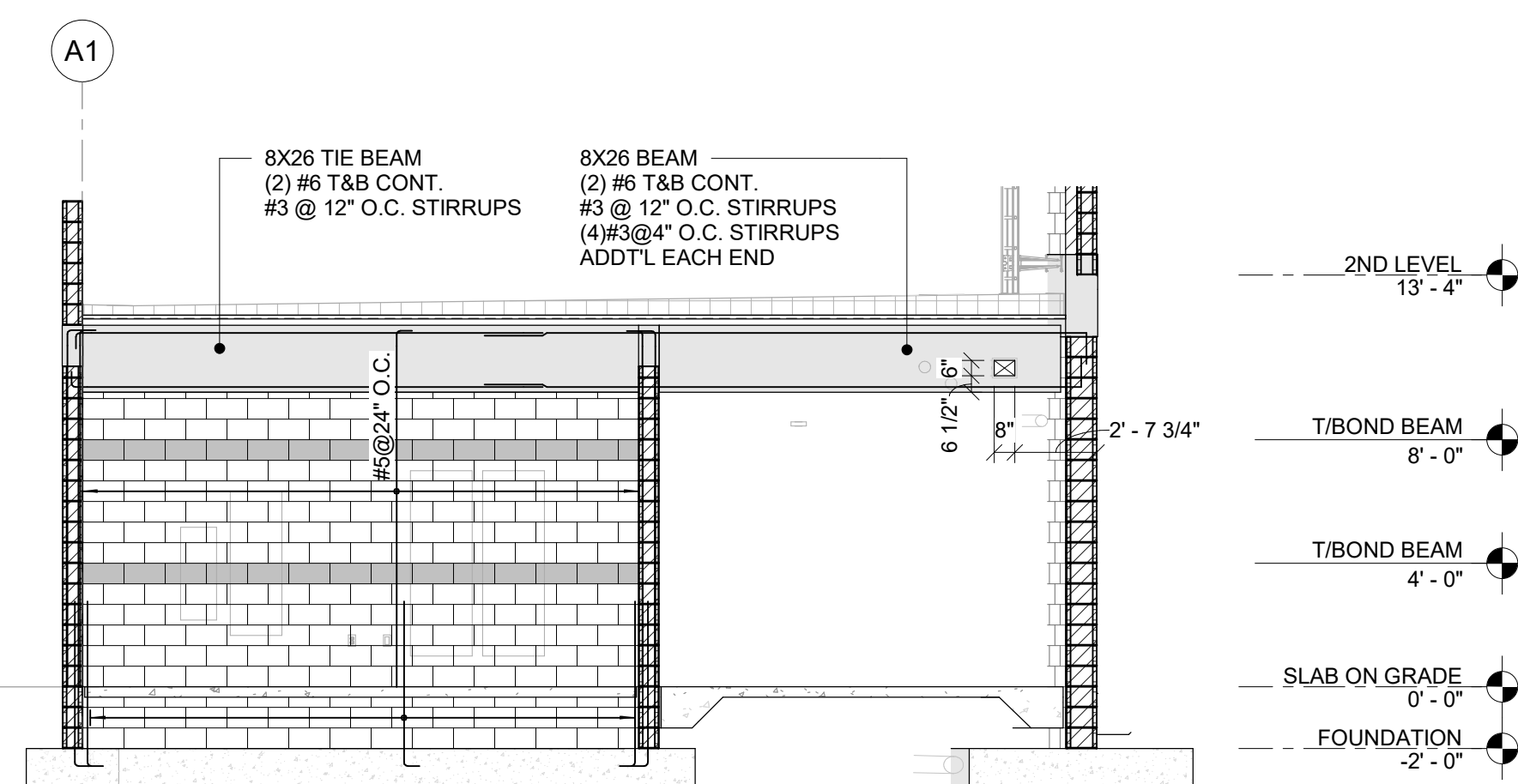
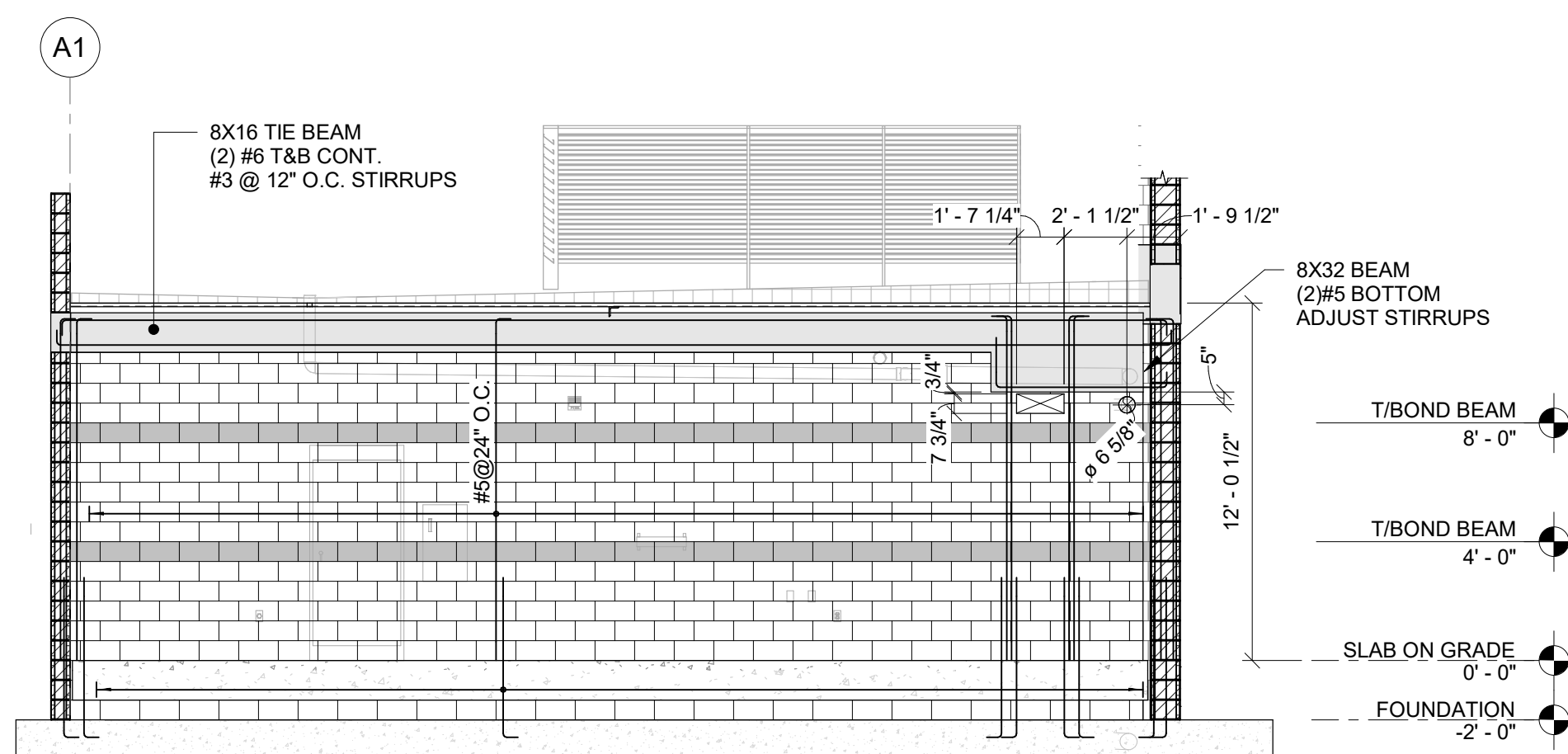
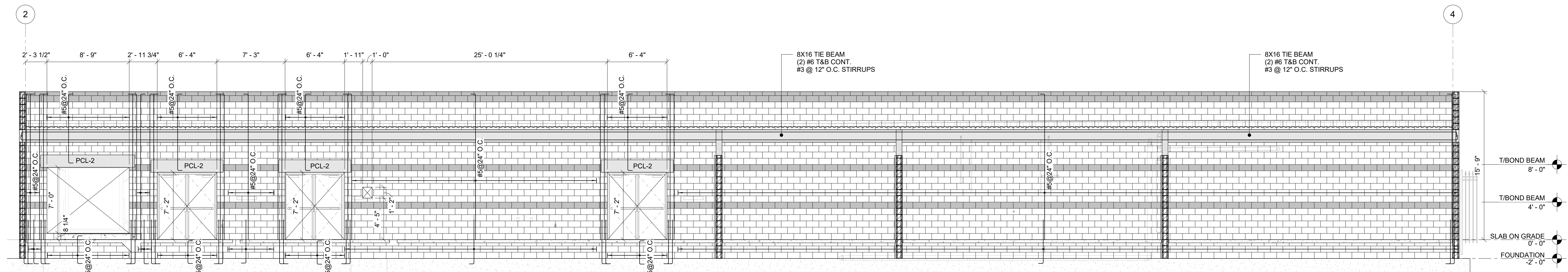
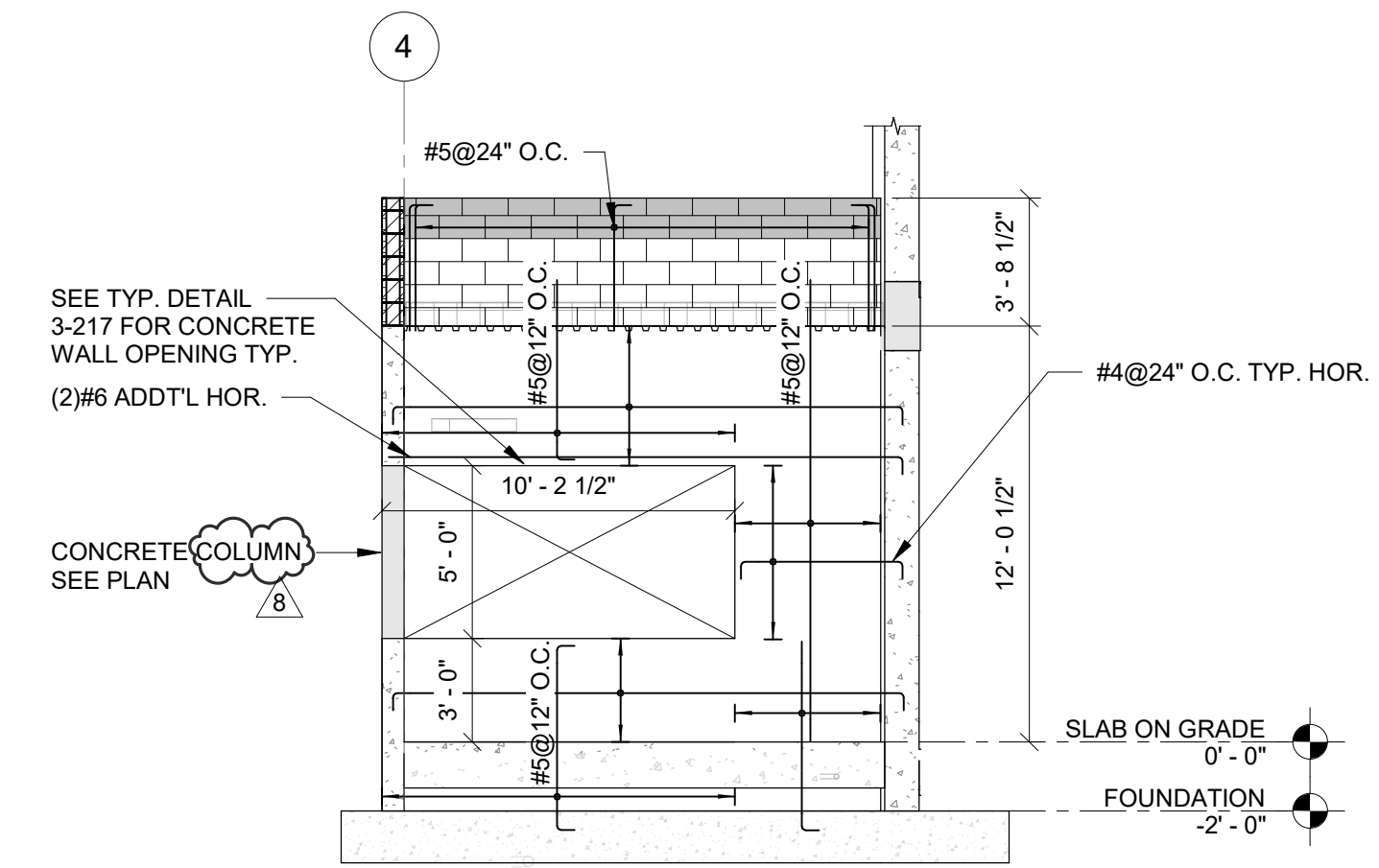
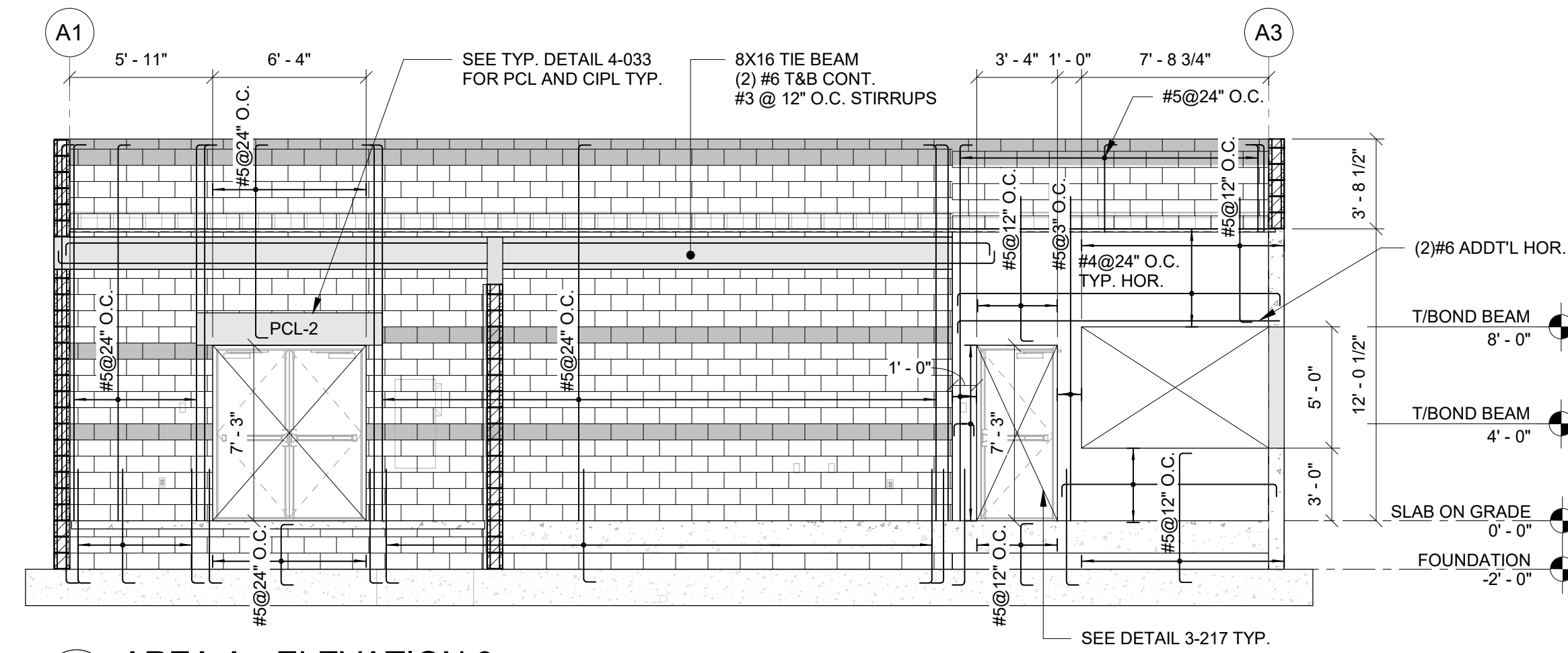
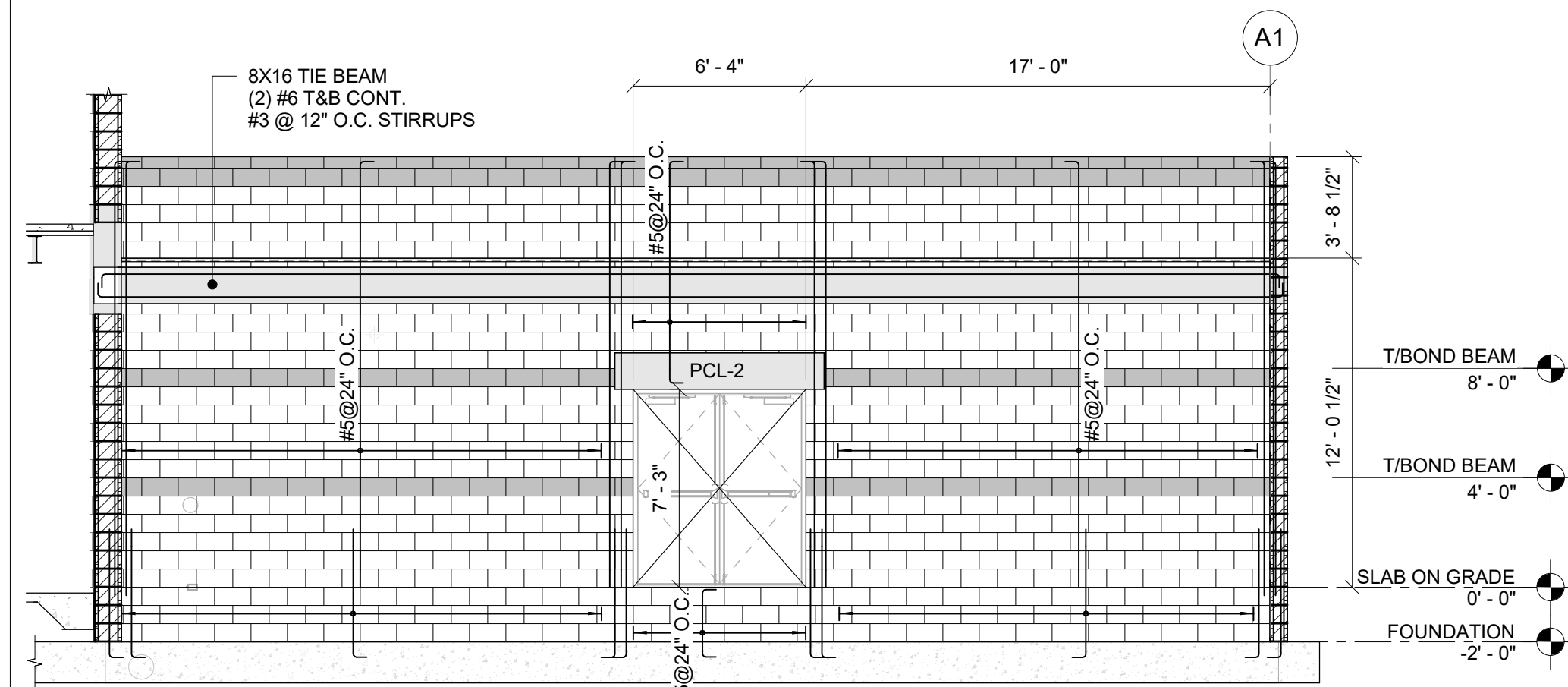


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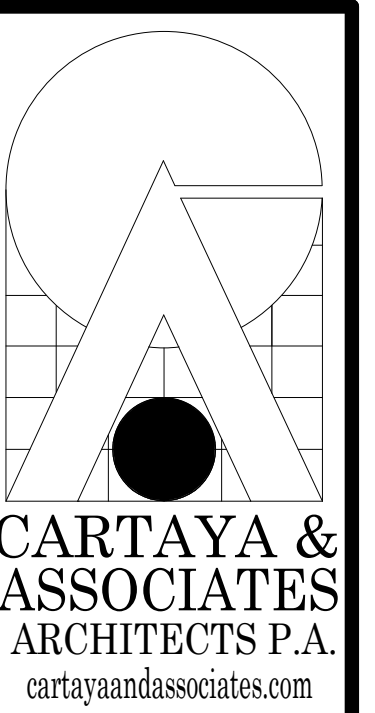
## ELEVATION KEY PLAN

SCALE: 3/32" = 1'-0"

**ISSUED FOR CONSTRUCTION 11/21/2025**



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A: 8426 PROJ. NO. 1333.001-31

**CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST, DELRAY BEACH  
FL 33444**

**PROJECT:**

REVISIONS:  
8 09/22/2025 CONFORMED SET

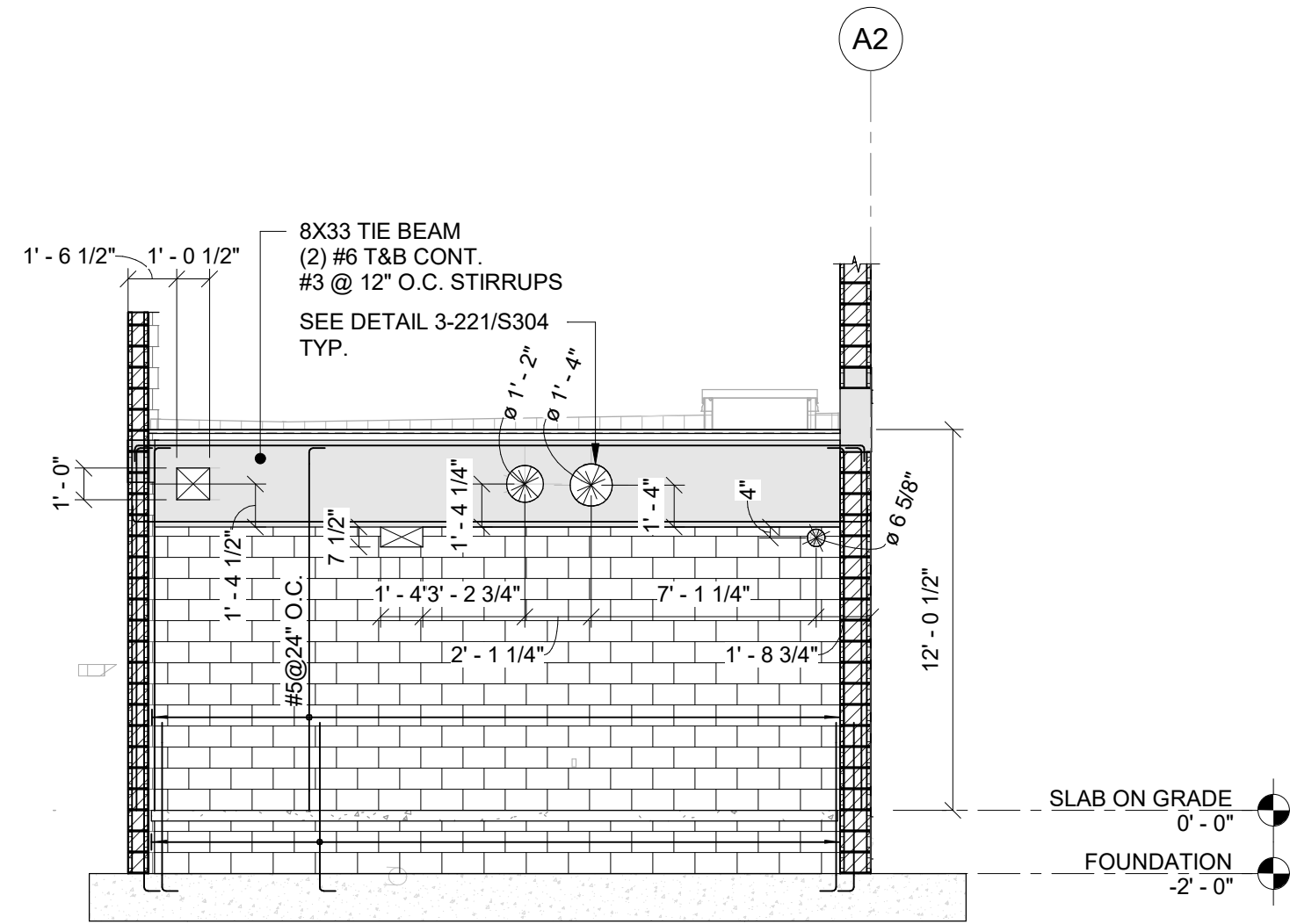
# ELEVATIONS

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CHECKED BY: AC

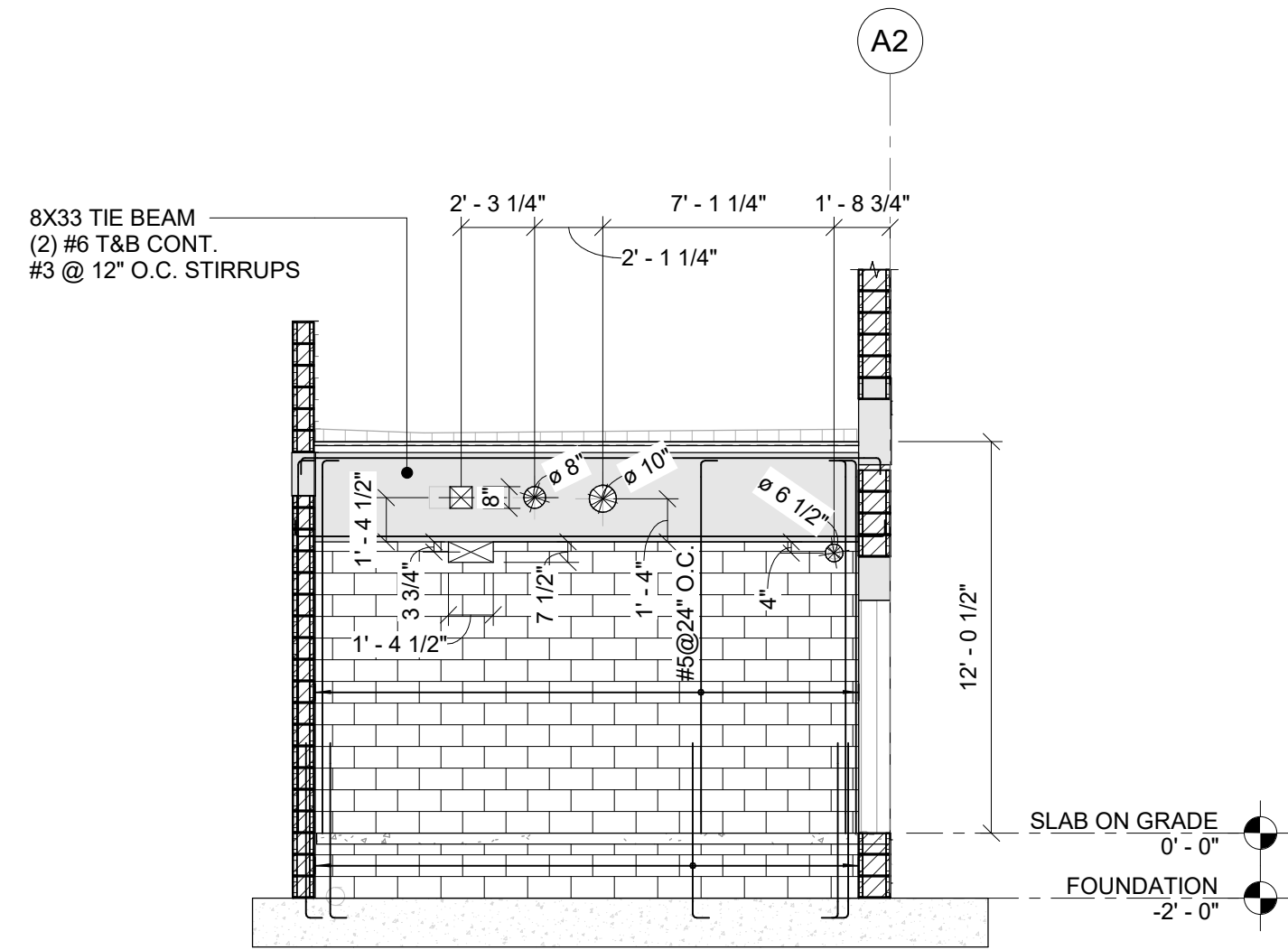
2122

**SHEET:**  
**S502**  
**OF**

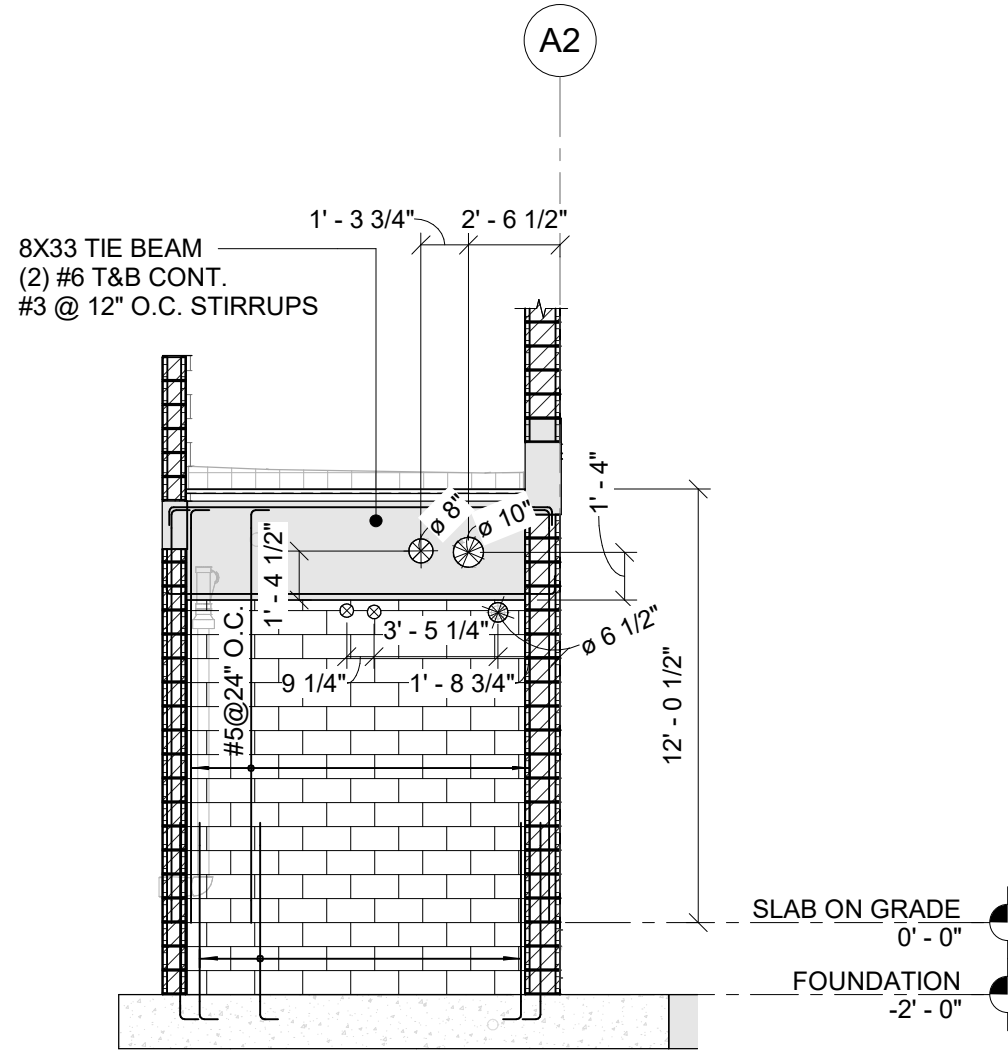
ISSUED FOR CONSTRUCTION 11/21/2025



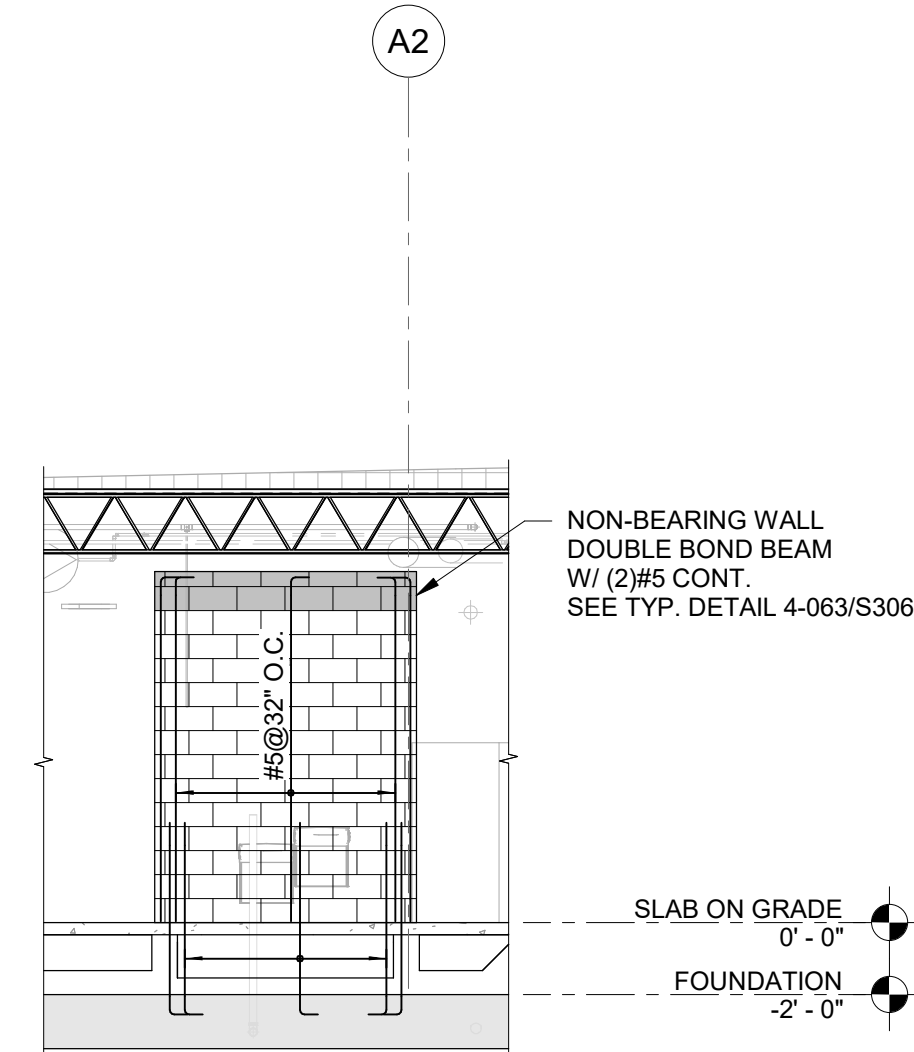
EA8  
S503  
AREA A - ELEVATION 8  
SCALE: 3/16" = 1'-0"



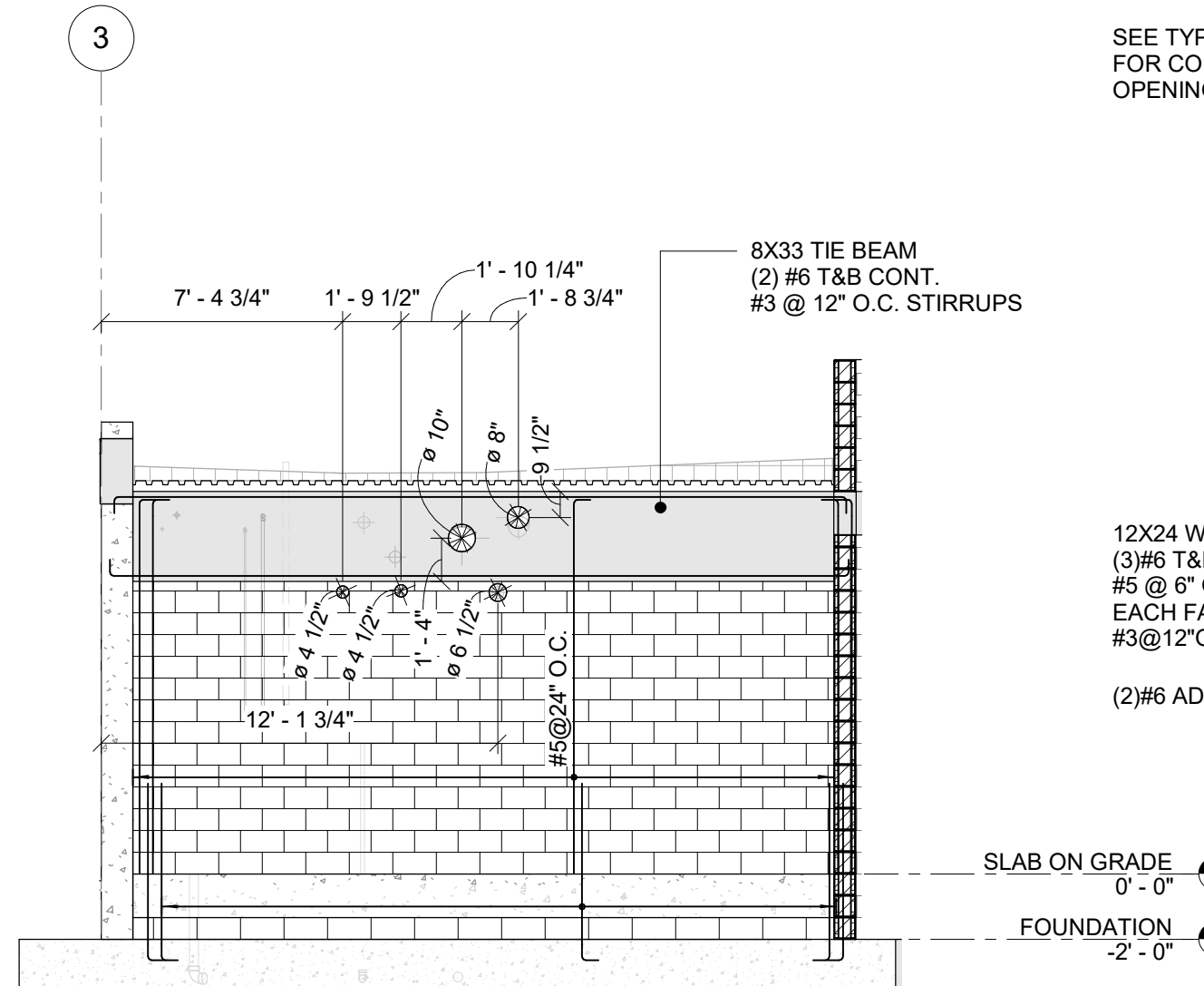
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SCALE: 3/16" = 1'-0"



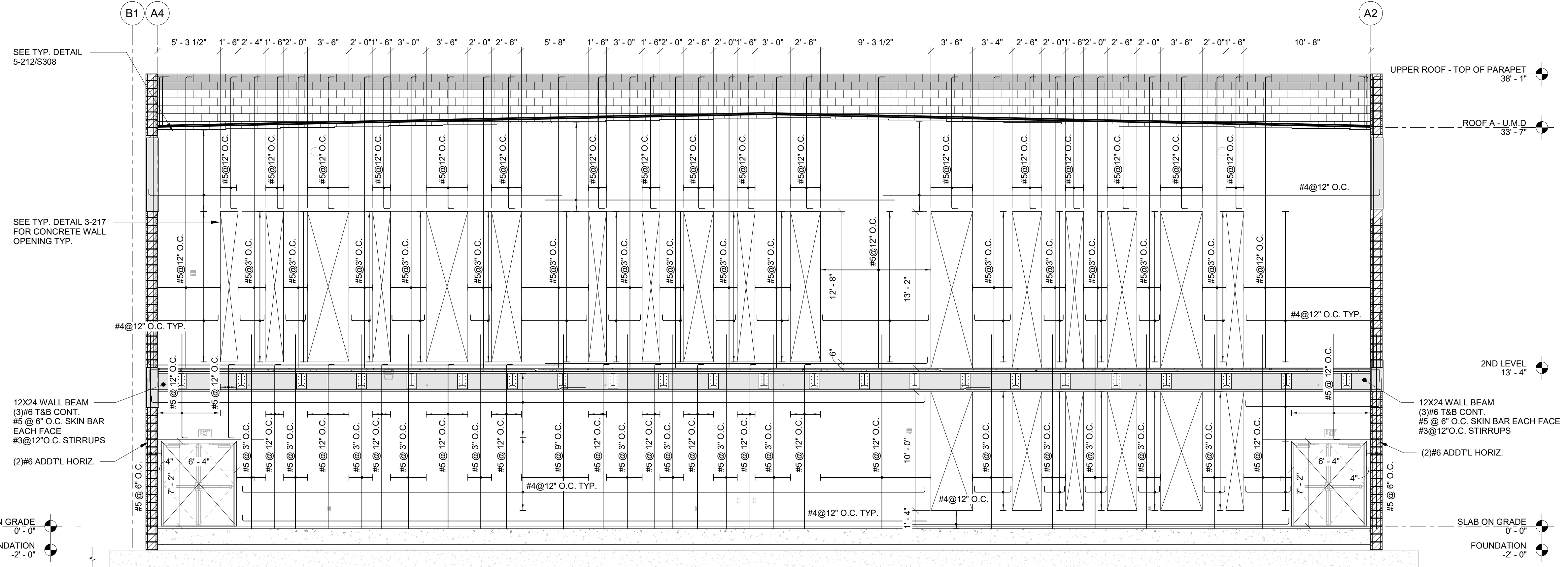
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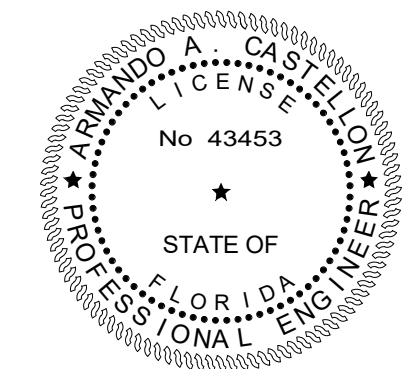
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S503  
AREA A - ELEVATION 11  
SCALE: 3/16" = 1'-0"



EA12  
S503  
AREA A - ELEVATION 12  
SCALE: 3/16" = 1'-0"



EA13  
S503  
AREA A - ELEVATION 13  
SCALE: 3/16" = 1'-0"



TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION 2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



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CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:

TITLE: ELEVATIONS

SHEET:

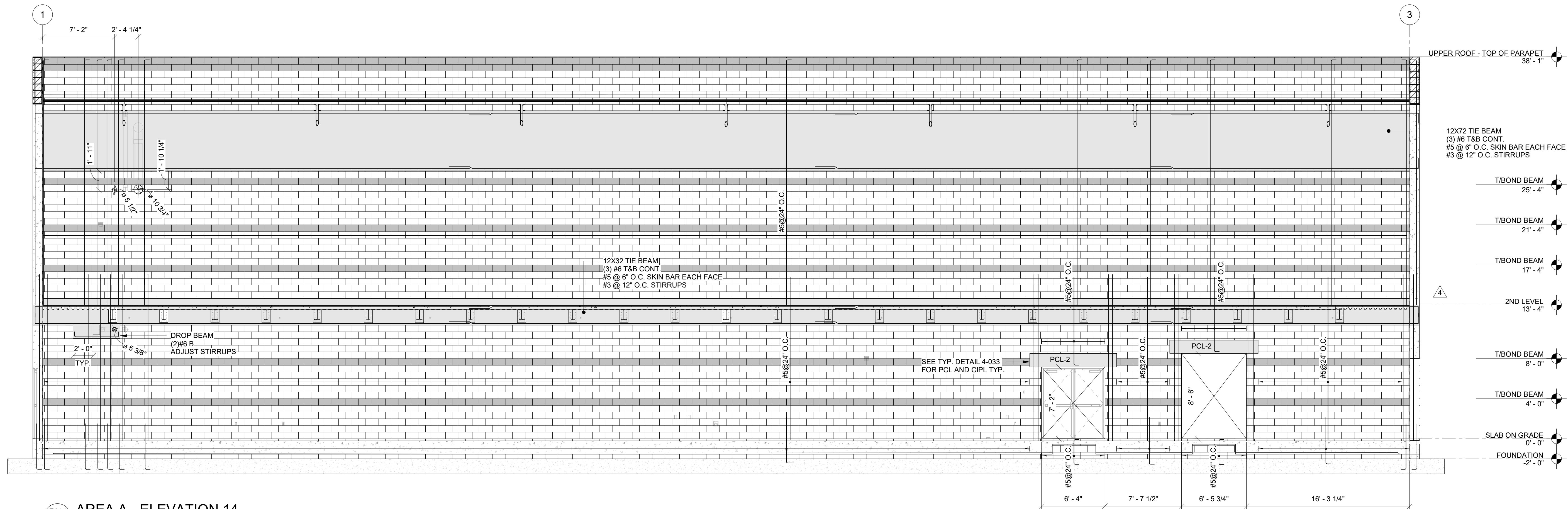
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OF

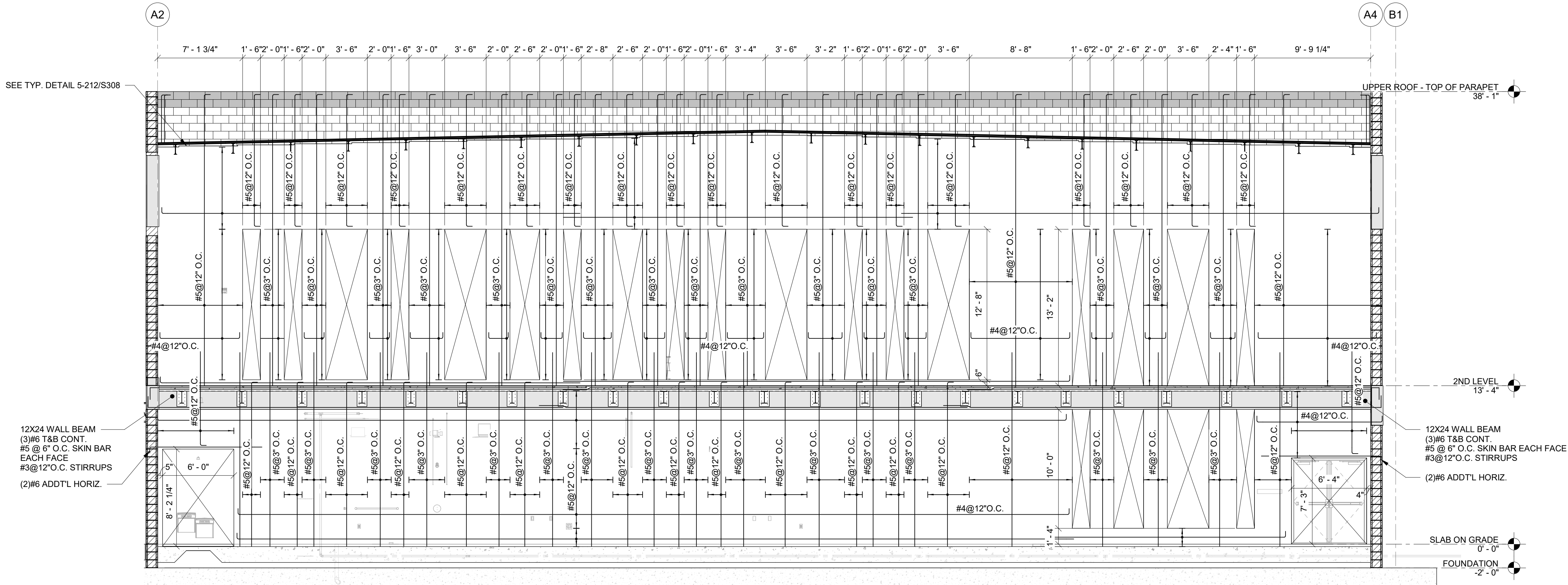
CONFORMED SET 09/22/2025

DATE: Dec. 27, 2022  
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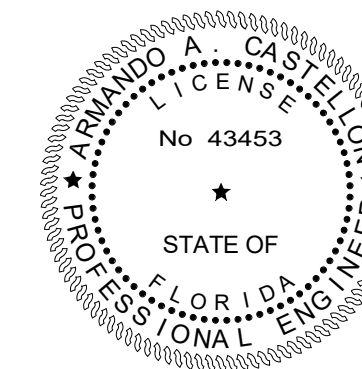
JOB NO: 2122



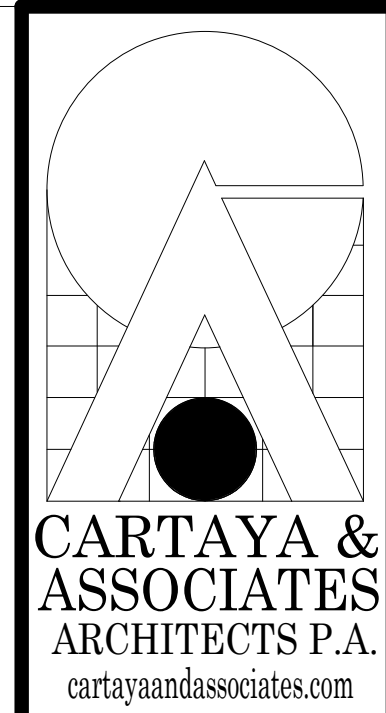
EA14  
S504 AREA A - ELEVATION 14  
SCALE: 3/16" = 1'-0"



EA15  
S504 AREA A - ELEVATION 15  
SCALE: 3/16" = 1'-0"



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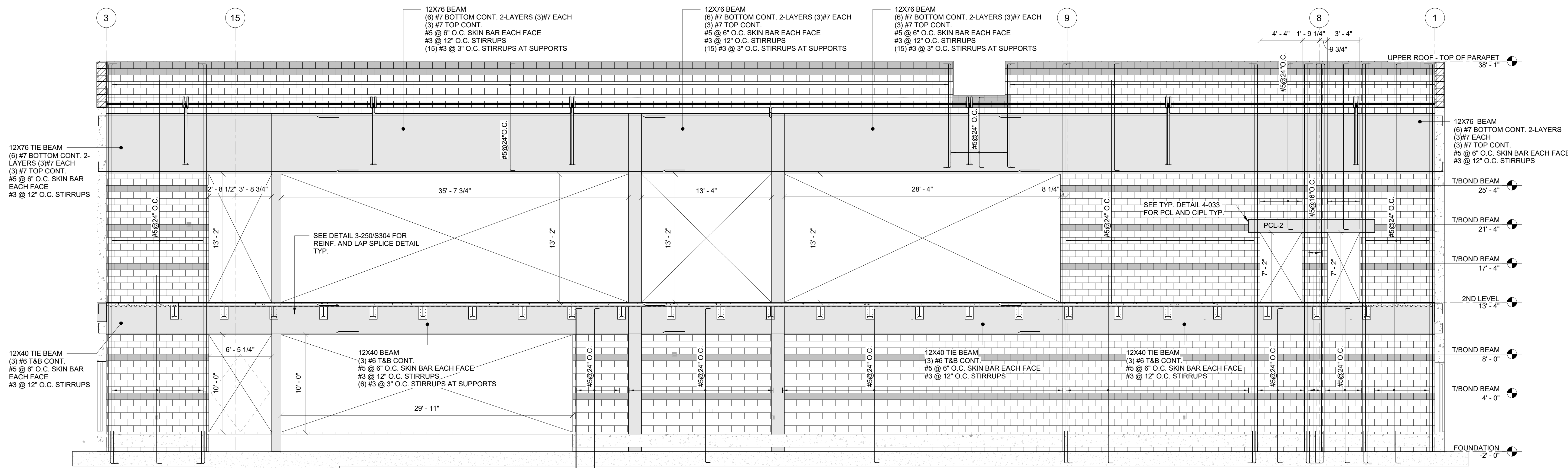


PROJECT:  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

| REVISIONS:                                                             |
|------------------------------------------------------------------------|
| Rev 4 RESPONSE TO<br>4. 03/20/2023<br>COMMENTS AND<br>REVISION UPDATES |

CONFORMED SET 09/22/2025

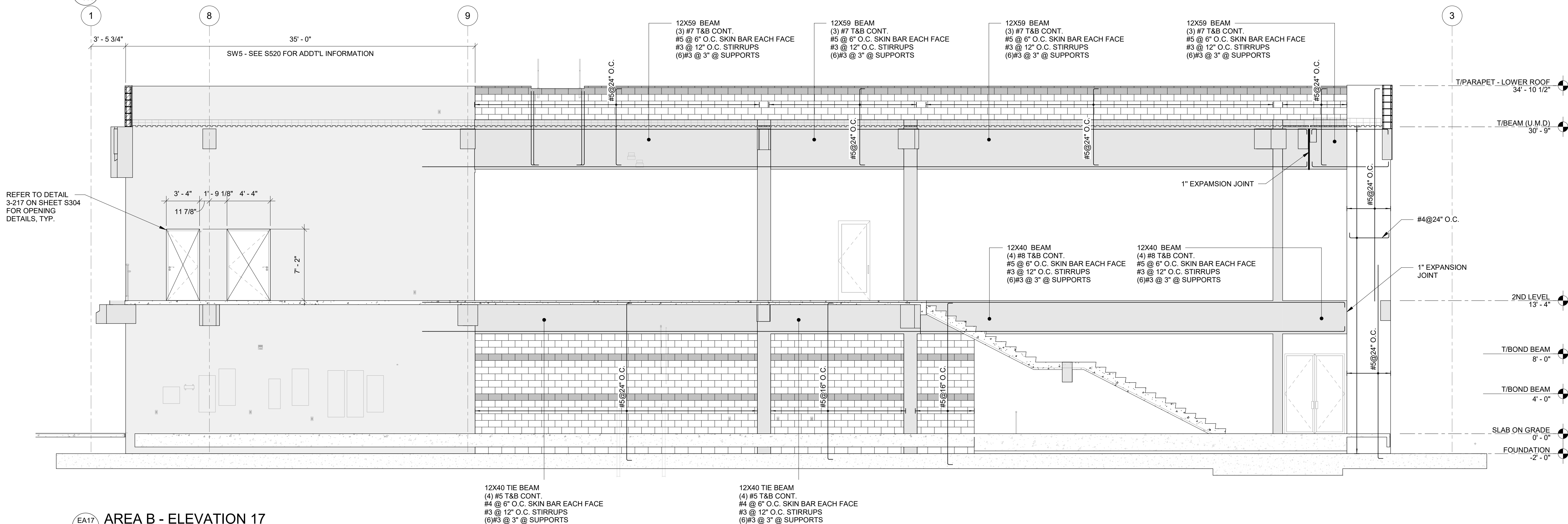
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| TITLE:<br>ELEVATIONS | DATE: Dec. 27, 2022<br>DRAWN BY: AN/AM<br>CHECKED BY: AC |
| JOB NO:<br>2122      | SHEET:<br>S504<br>OF                                     |



EA16  
S505

AREA A - ELEVATION 16

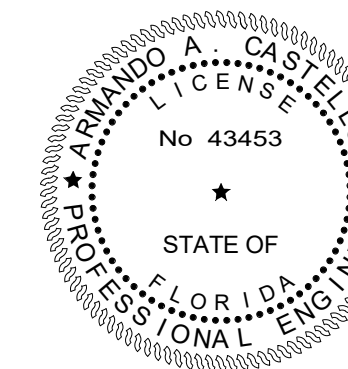
SCALE: 3/16\"/>



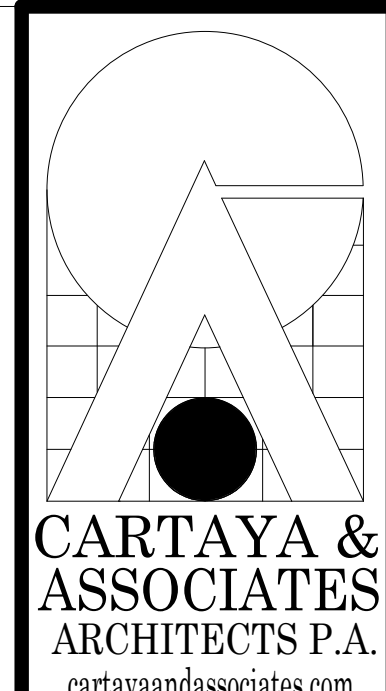
EA17  
S505

AREA B - ELEVATION 17

SCALE: 3/16\"/>



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PROJECT:

REVISIONS:

TITLE: ELEVATIONS

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

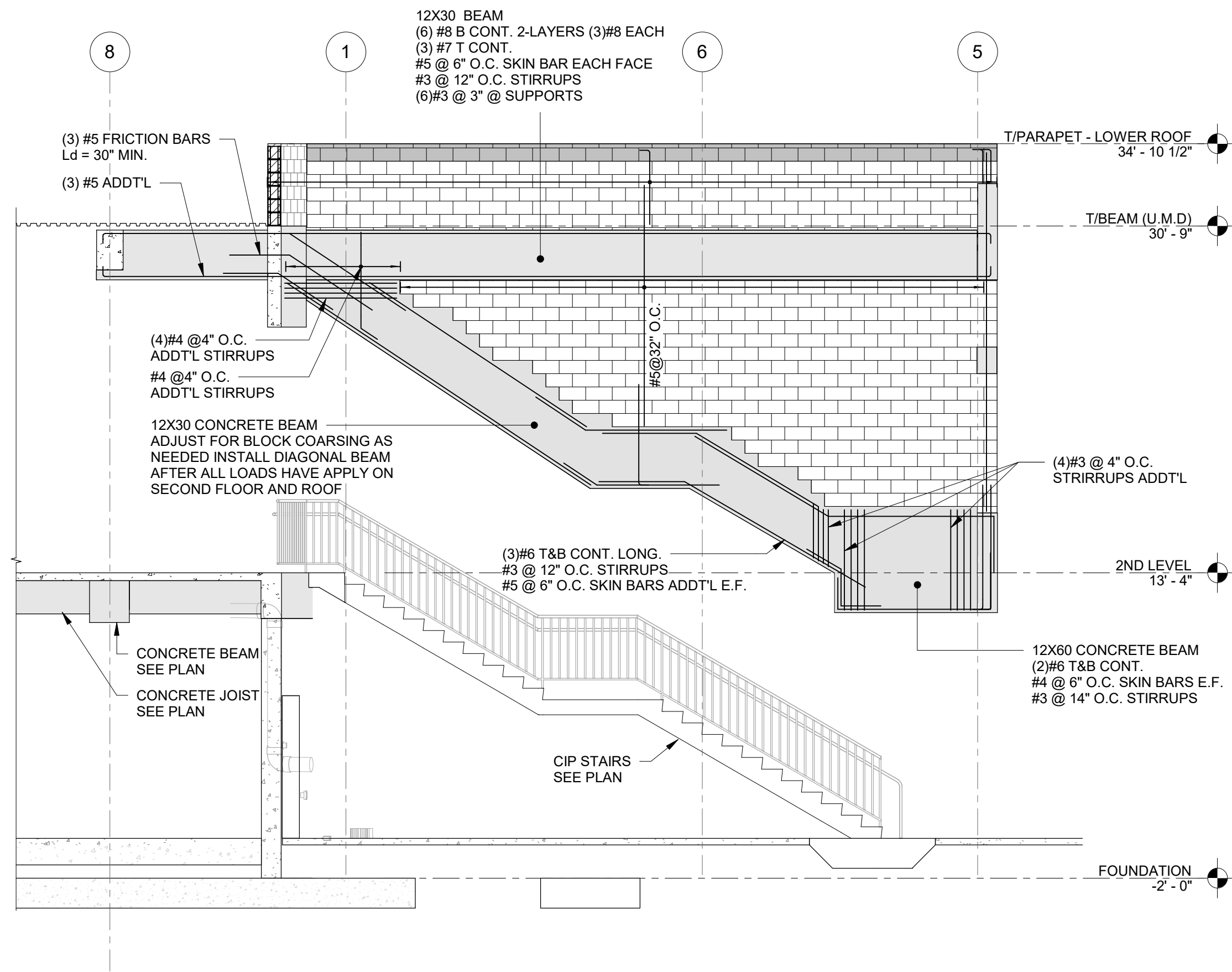
JOB NO: 2122

SHEET:

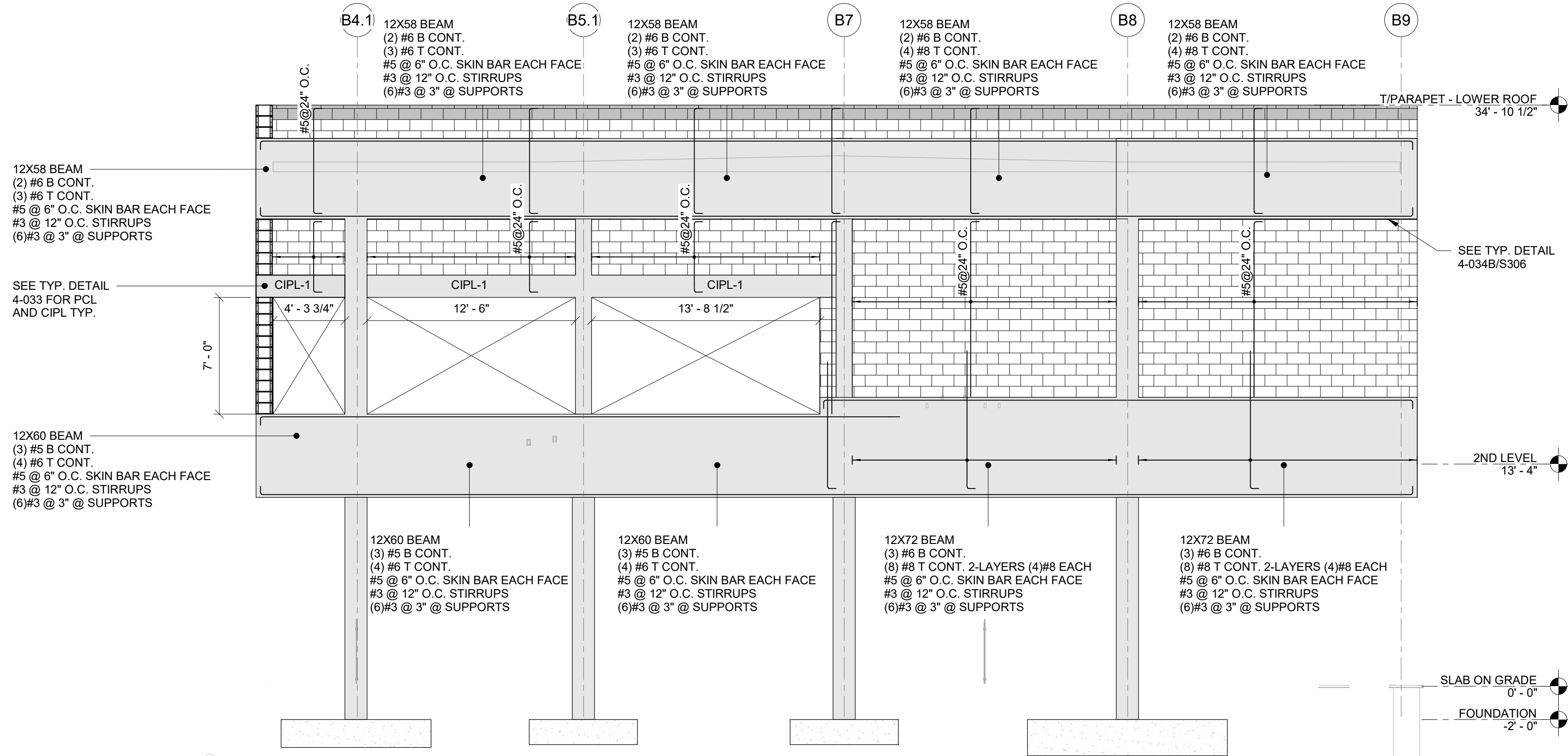
S505

OF

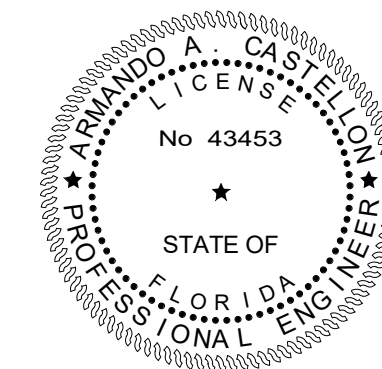
CONFORMED SET 09/22/2025



EB1  
S506  
AREA B - ELEVATION 1  
SCALE: 3/16" = 1'-0"



EB2  
S506  
AREA B - ELEVATION 2  
SCALE: 3/16" = 1'-0"



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DATE: 8/2/20 PROJ. NO. 1333-001-1-1

**PROJECT:**

CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

**REVISIONS:**

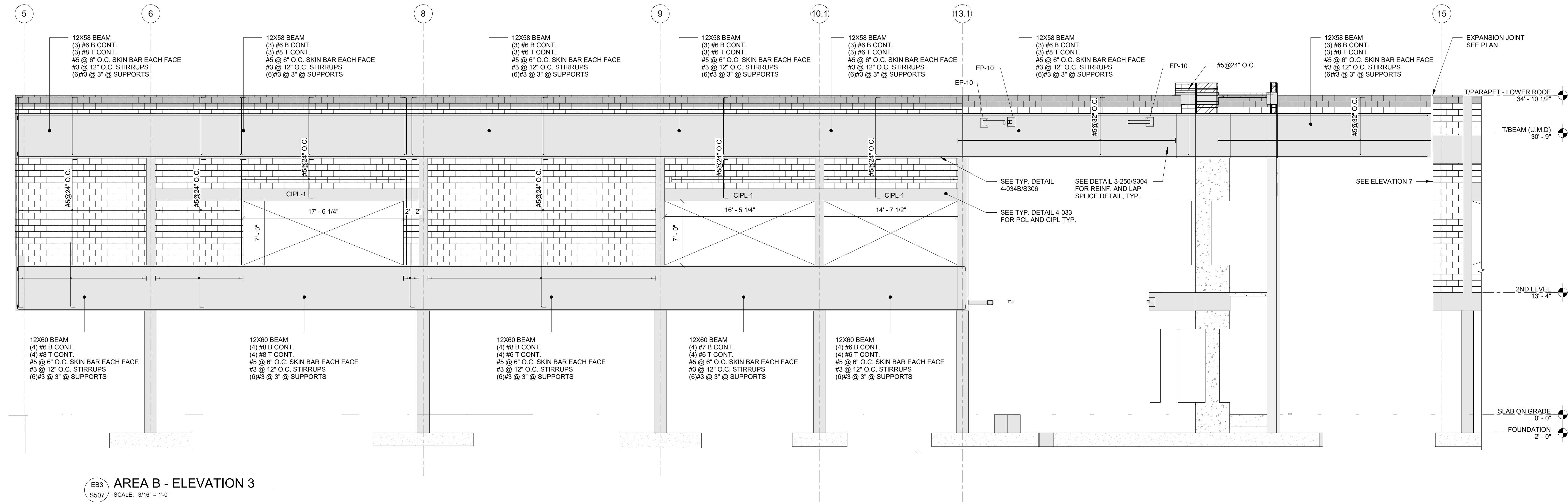
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| DATE:       | Dec. 27, 2022 |
| DRAWN BY:   | AN/M          |
| CHECKED BY: | AC            |

**CONFORMED SET 09/22/2025**

**TITLE:**  
ELEVATIONS

**JOB NO:**  
2122

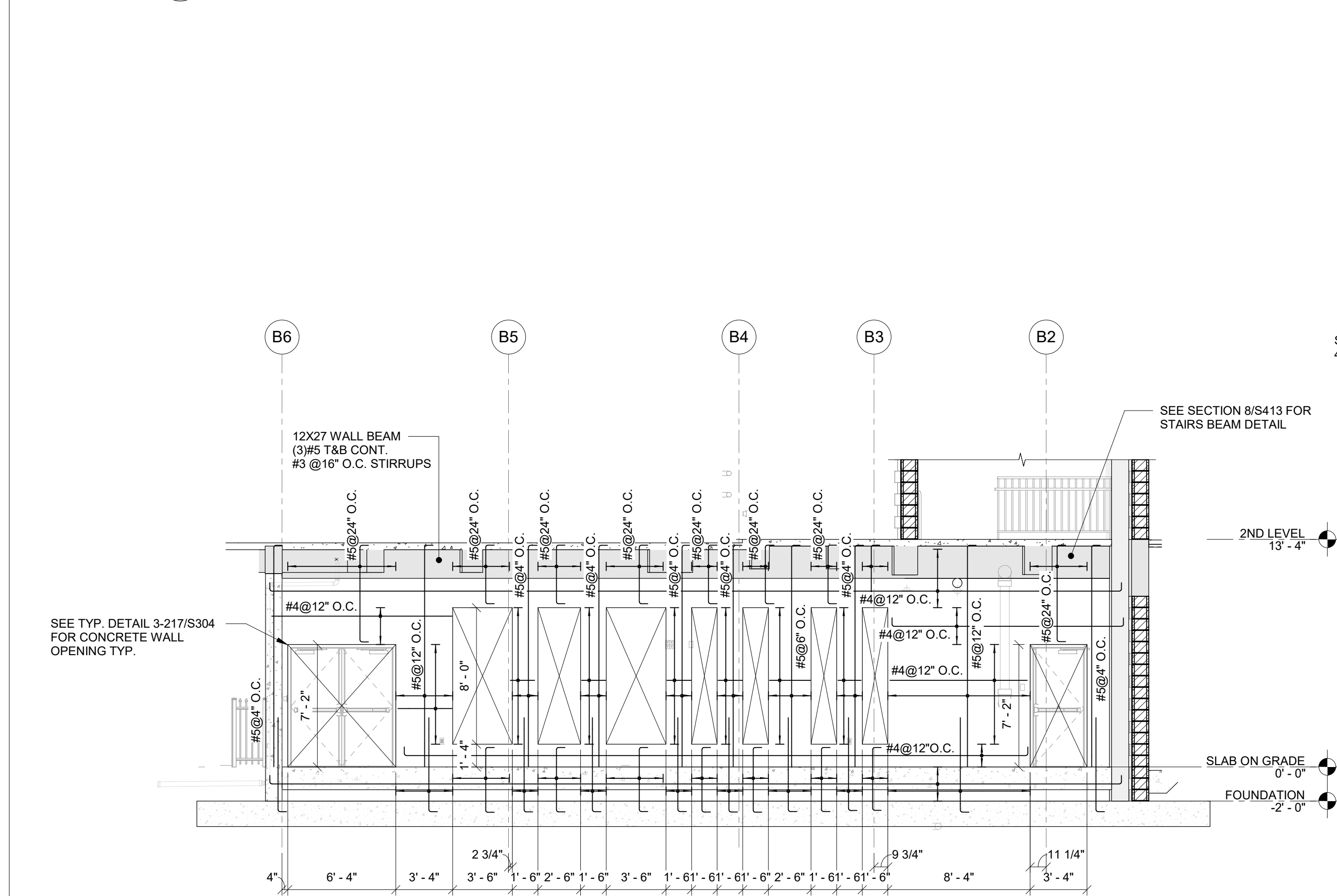
**SHEET:**  
S506  
OF



EB3  
S507

**AREA B - ELEVATION 3**

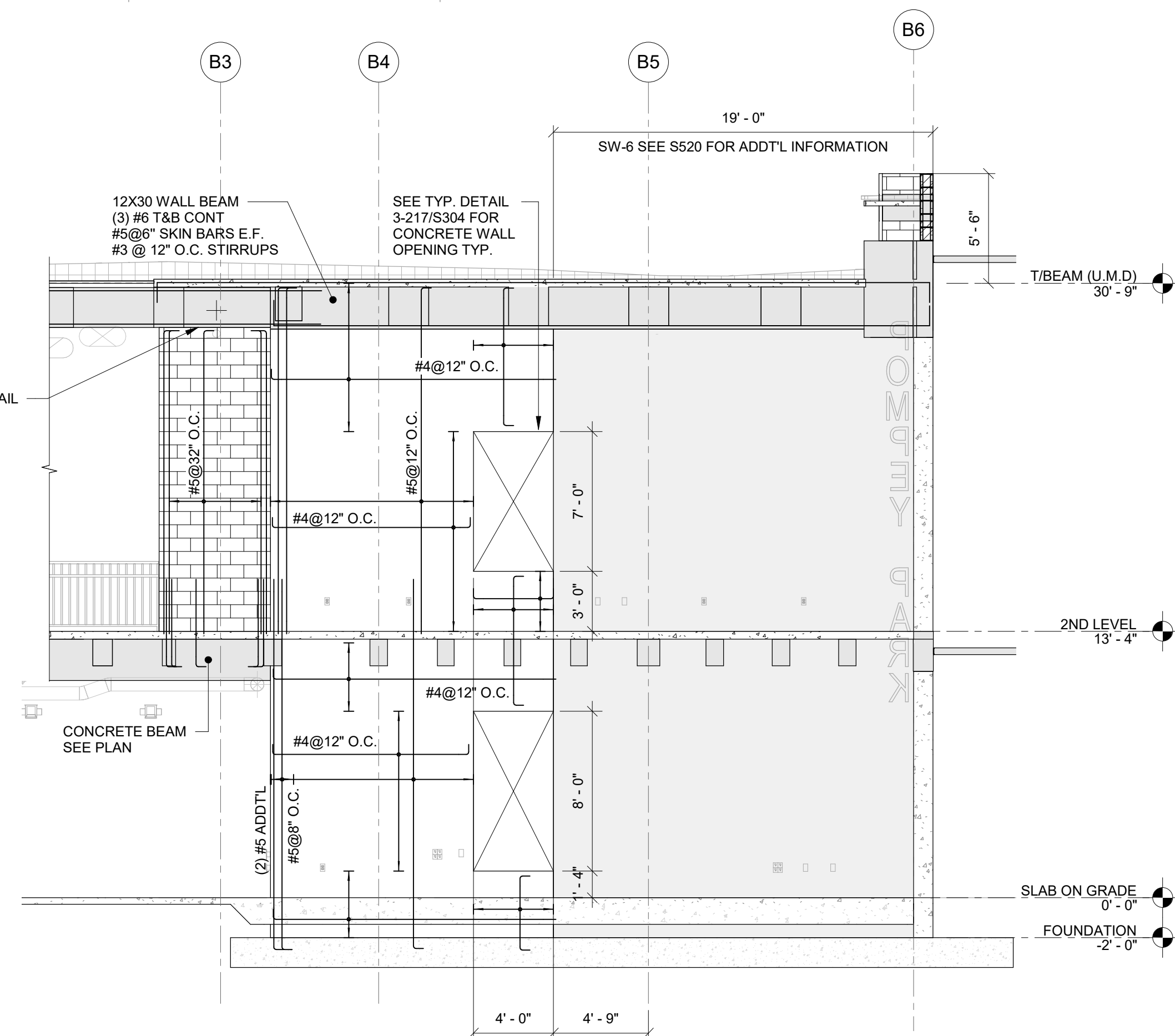
SCALE: 3/16" = 1'-0"



EB4  
S507

**AREA B - ELEVATION 4**

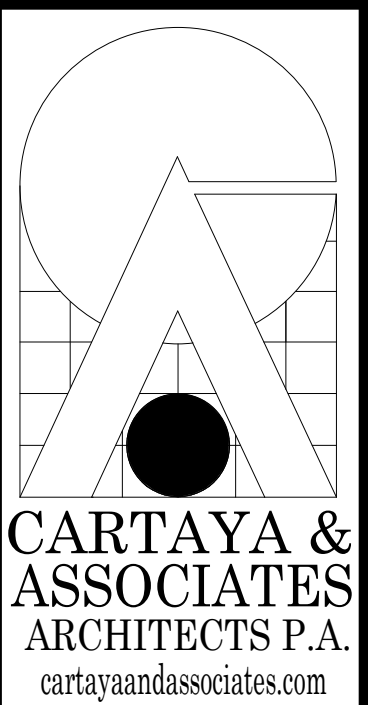
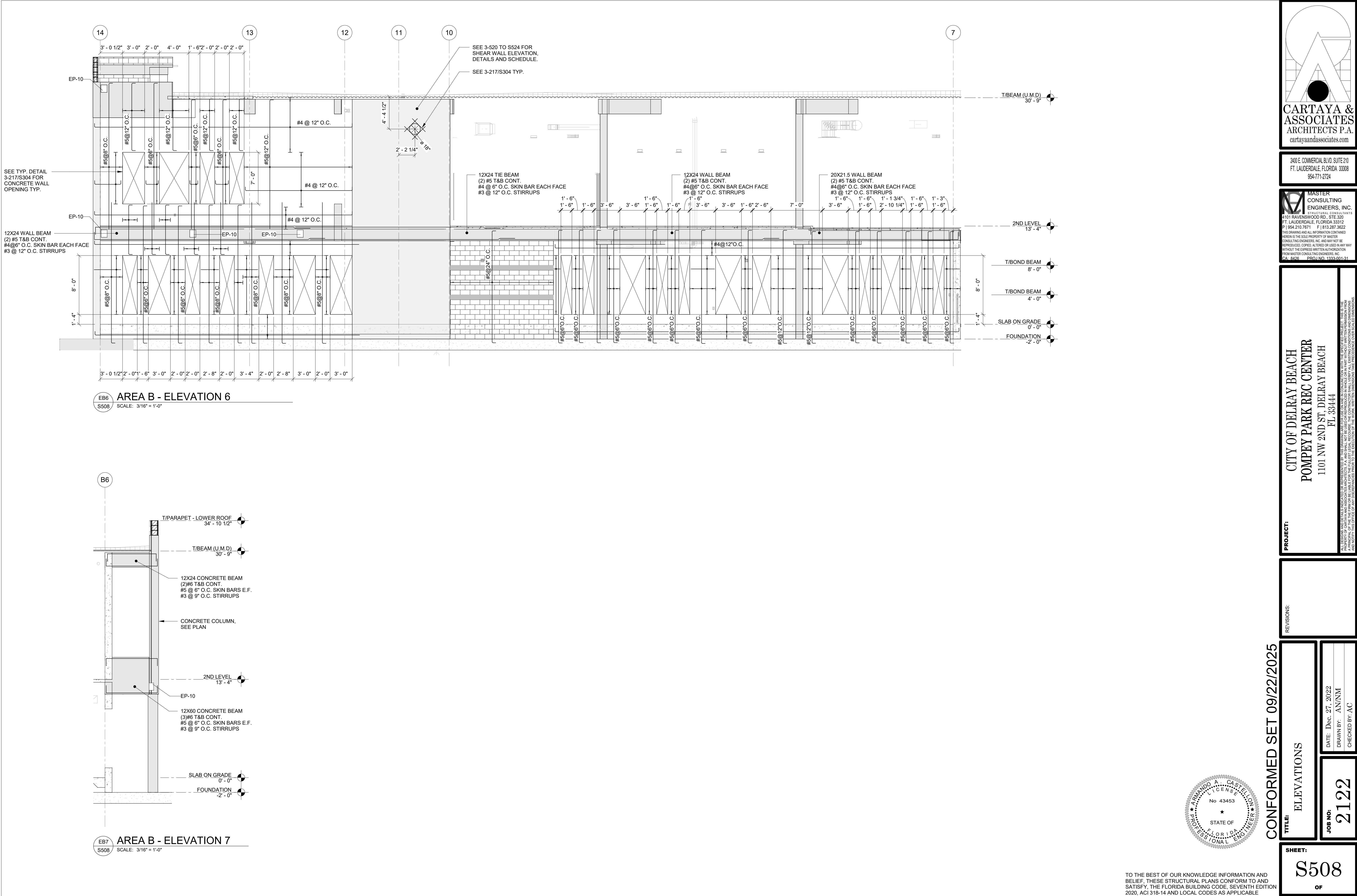
SCALE: 3/16" = 1'-0"



EB5  
S507

**AREA B - ELEVATION 5**

SCALE: 3/16" = 1'-0"



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 REG. 8426 PROJ. NO. 1333-001-141

**PROJECT:**  
 CITY OF DELRAY BEACH  
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 FL 33444

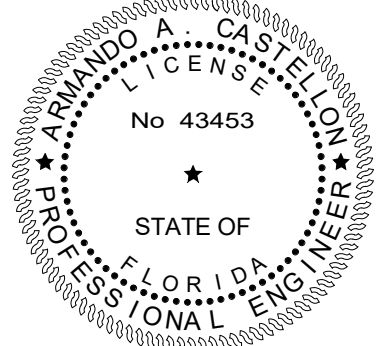
**REVISIONS:**

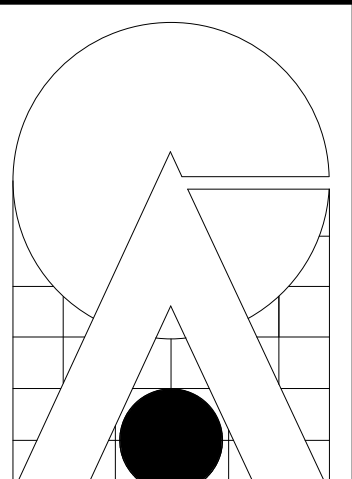
**TITLE:**  
 ELEVATIONS

**JOB NO.:**  
 2122

**DATE:** Dec. 27, 2022  
**DRAWN BY:** AN/AM  
**CHECKED BY:** AC

**SHEET:**  
 S508





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DATE: 8/2/20 PROJ. NO. 1333-001-1-1

**PROJECT:**  
CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

**REVISIONS:**  
# 06/22/2025 CONFORMED SET

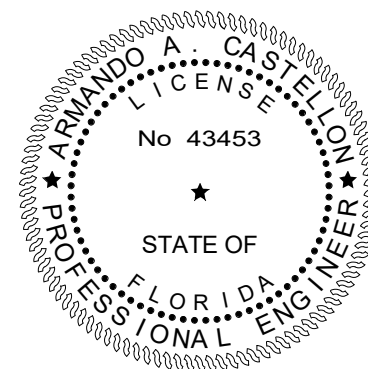
**TITLE:**  
ELEVATIONS

DATE: Dec. 27, 2022  
DRAWN BY: AN/AM  
CHECKED BY: AC

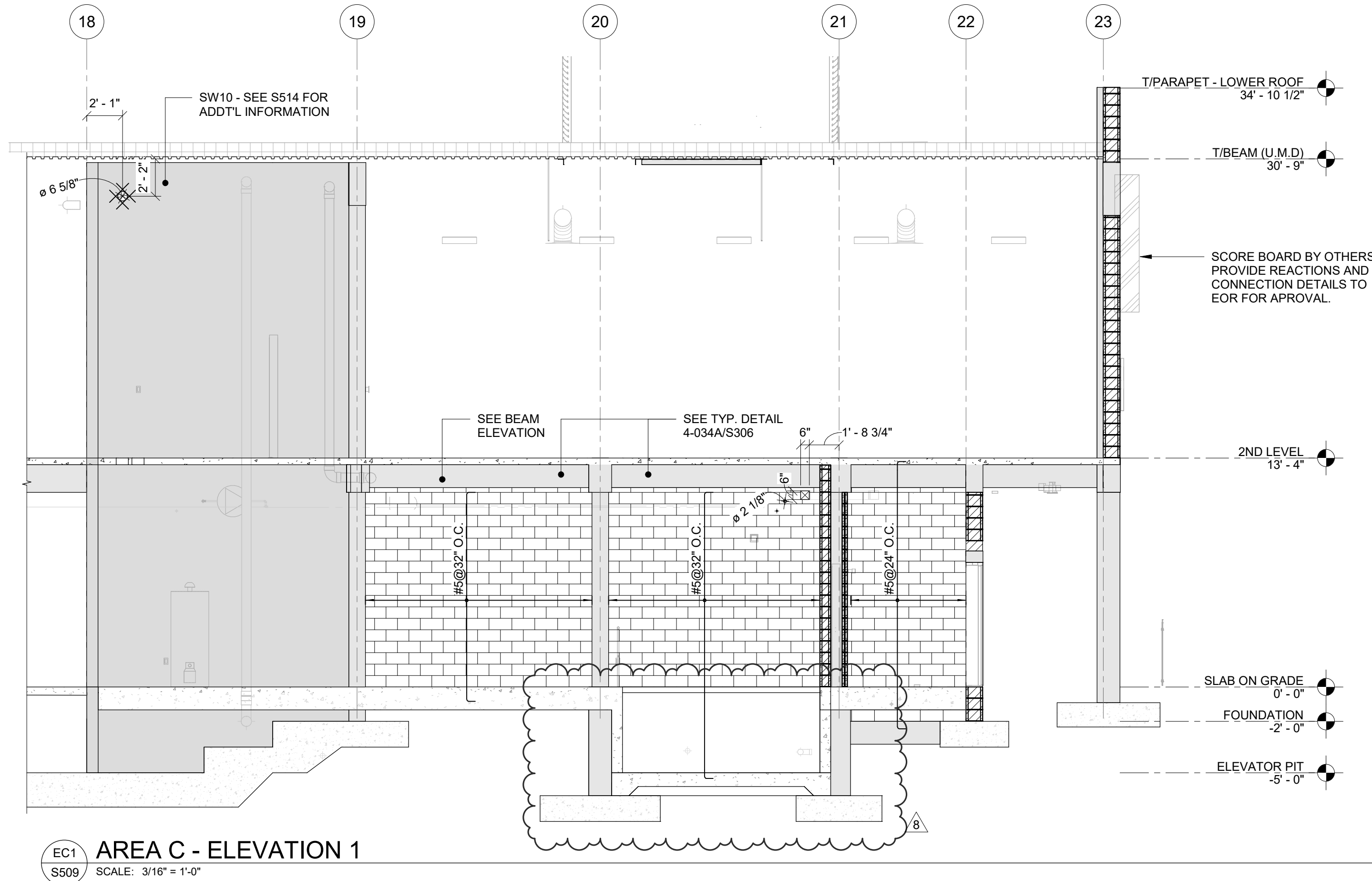
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2122

**SHEET:**

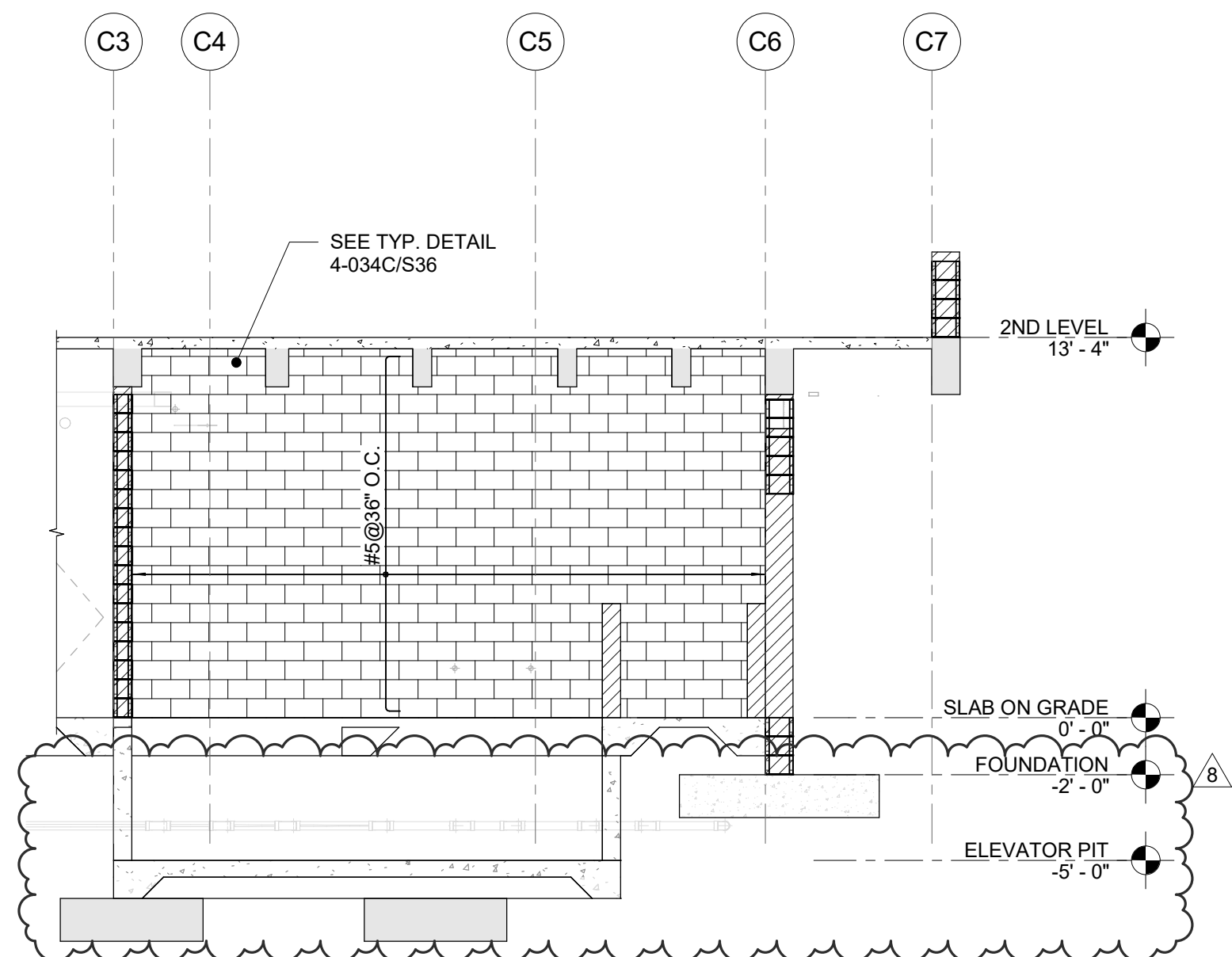
**S509**  
OF



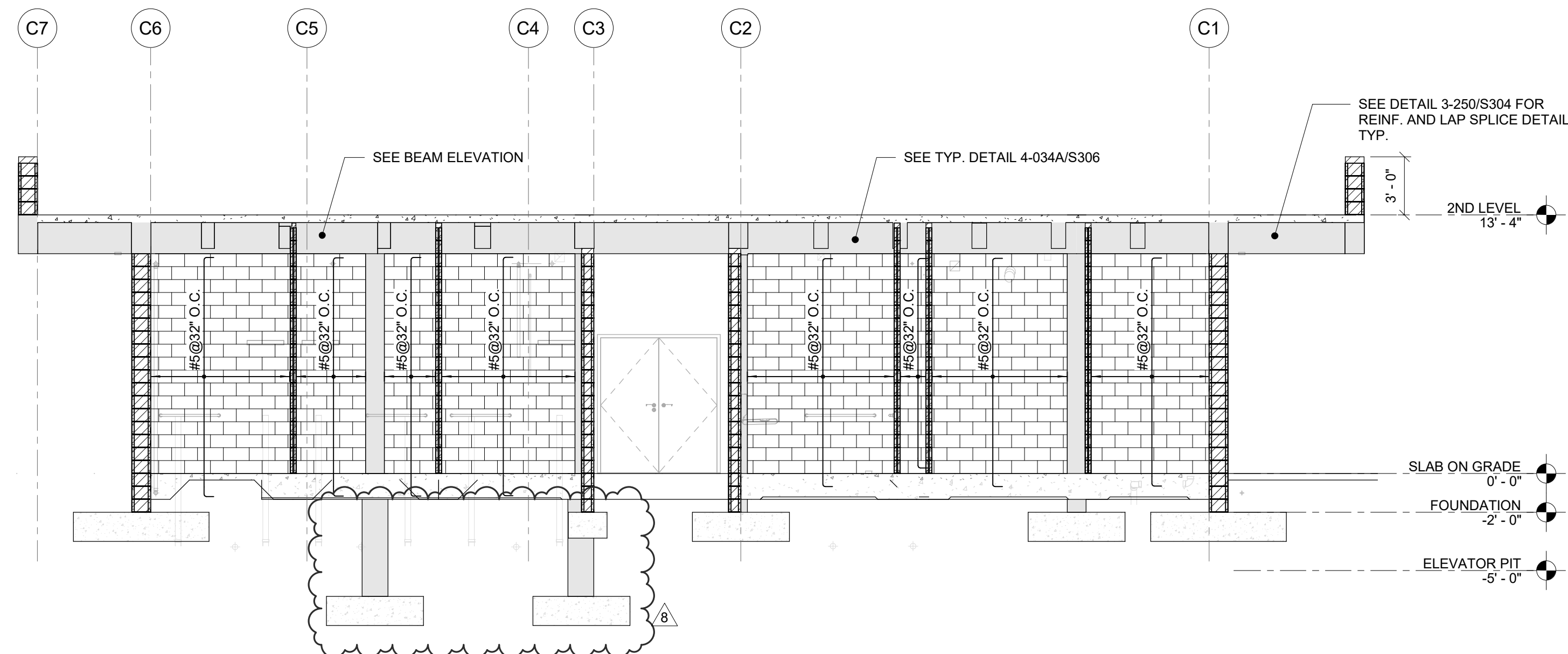
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BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND  
SATISFY, THE FLORIDA BUILDING CODE, SEVENTH EDITION  
2020, ACI 318-14 AND LOCAL CODES AS APPLICABLE



**EC1 AREA C - ELEVATION 1**  
S509 SCALE: 3/16" = 1'-0"

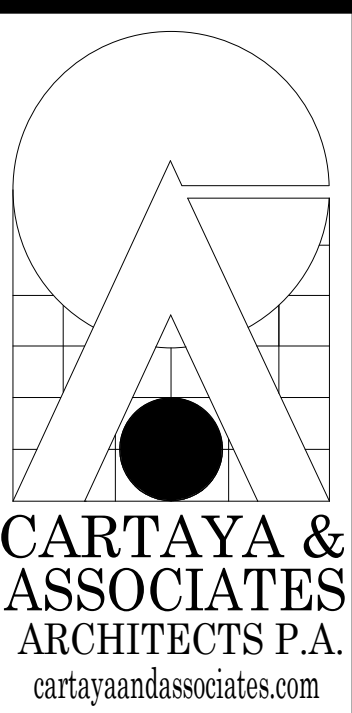
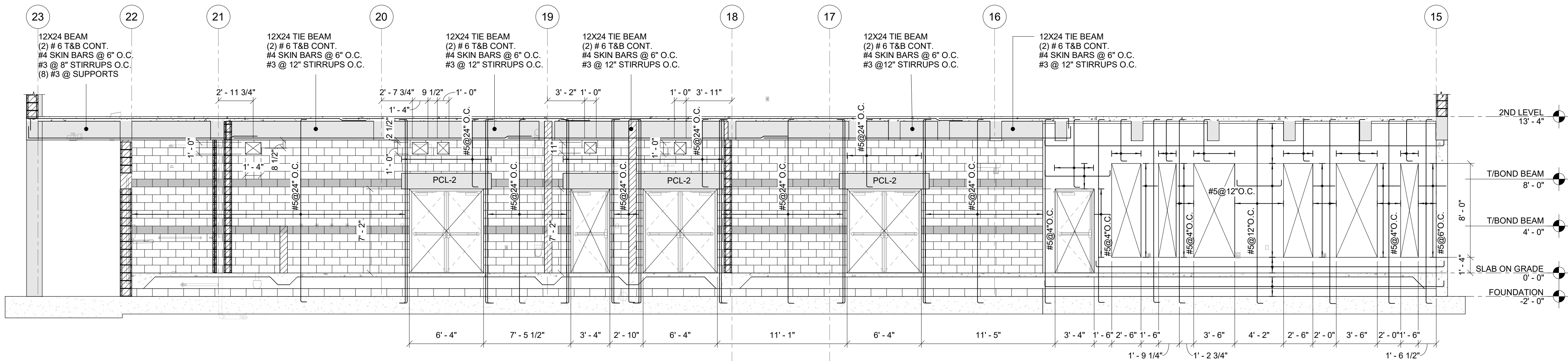
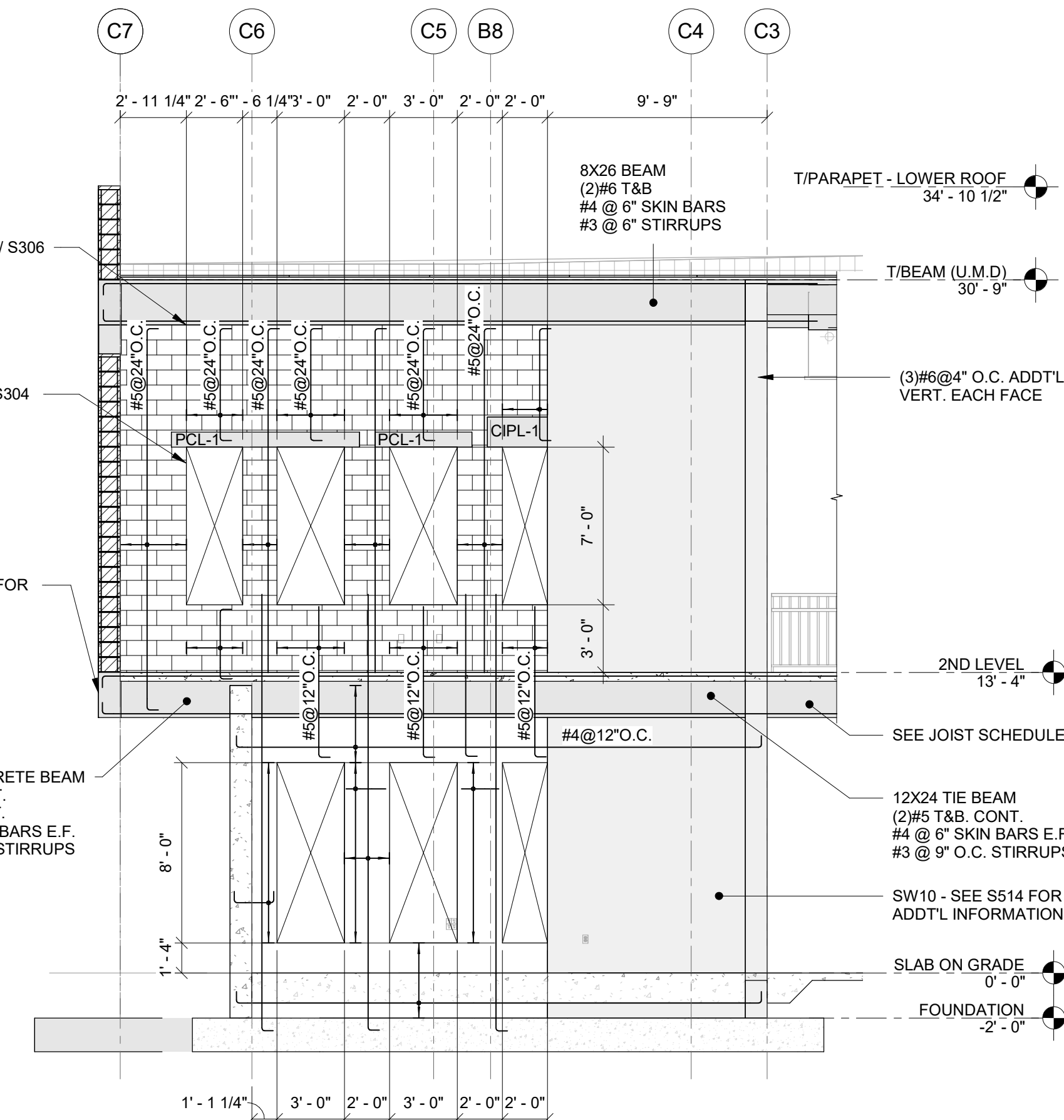
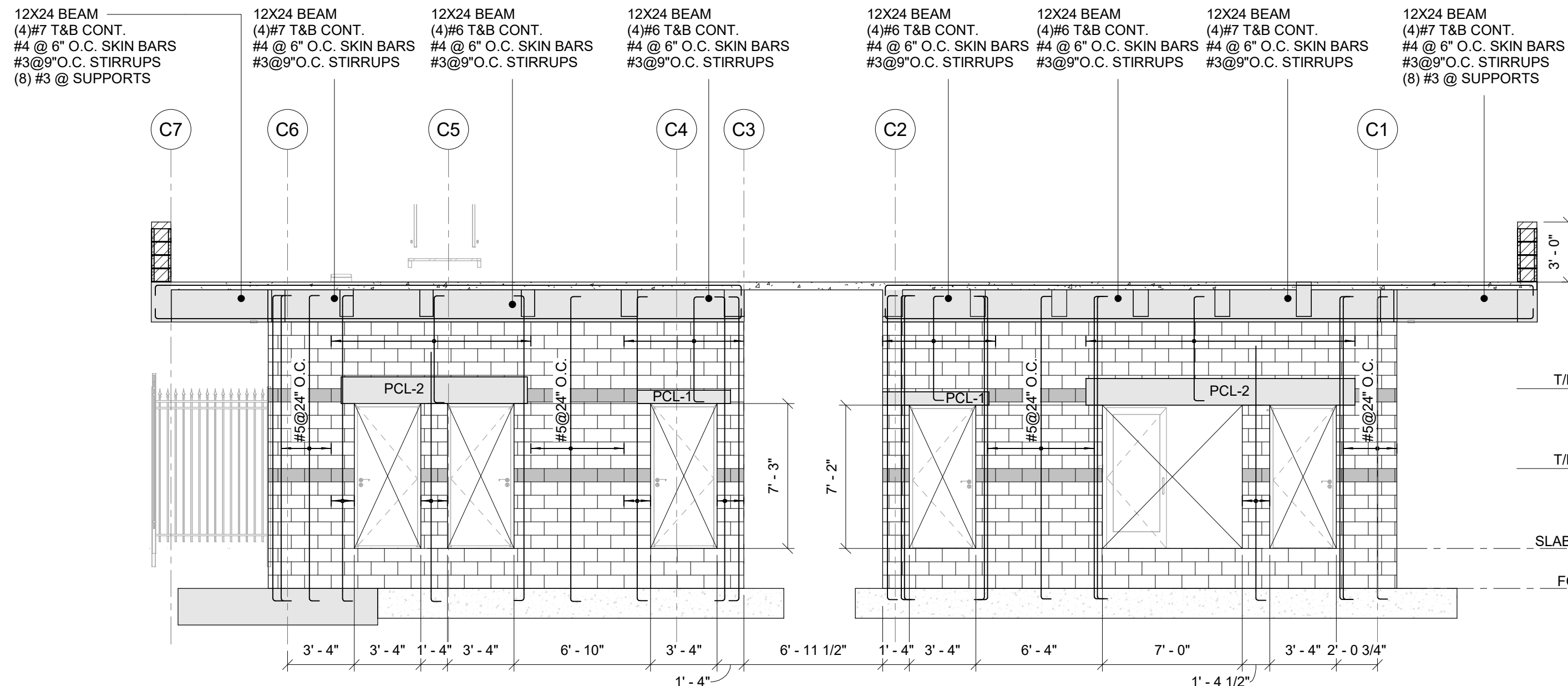


**EC2 AREA C - ELEVATION 2**  
S509 SCALE: 3/16" = 1'-0"



**EC3 AREA C - ELEVATION 3**  
S509 SCALE: 3/16" = 1'-0"

ISSUED FOR CONSTRUCTION 11/21/2025



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DATE: 8/2/20 PROJ. NO. 1333-001-1-1

CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

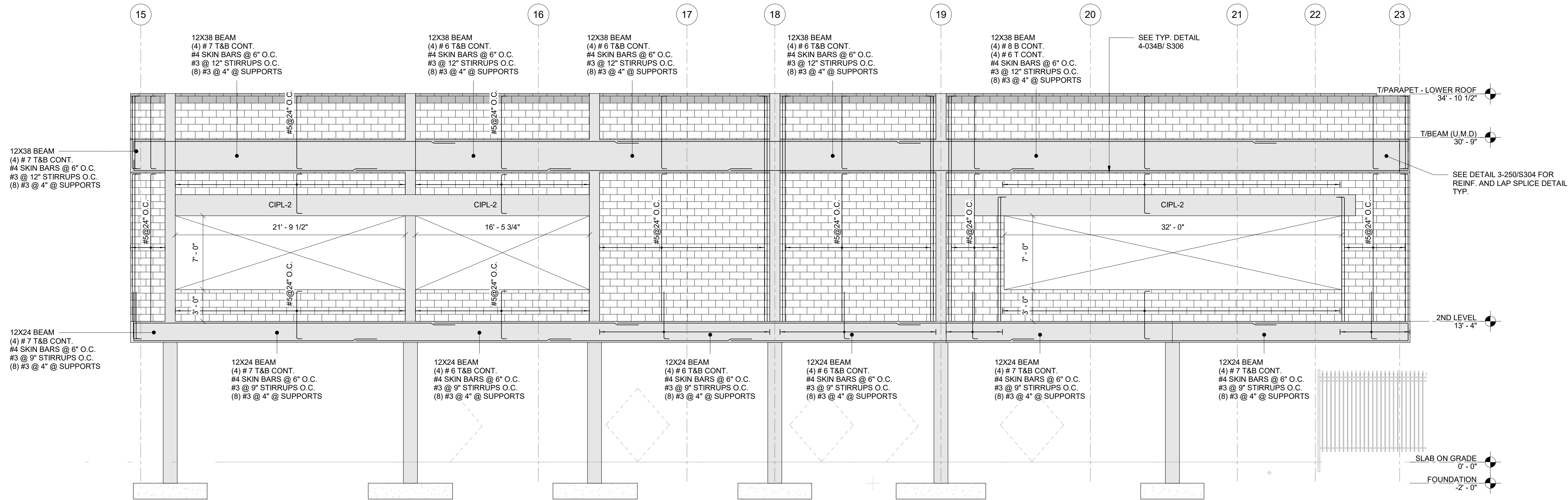
PROJECT:

REVISIONS:

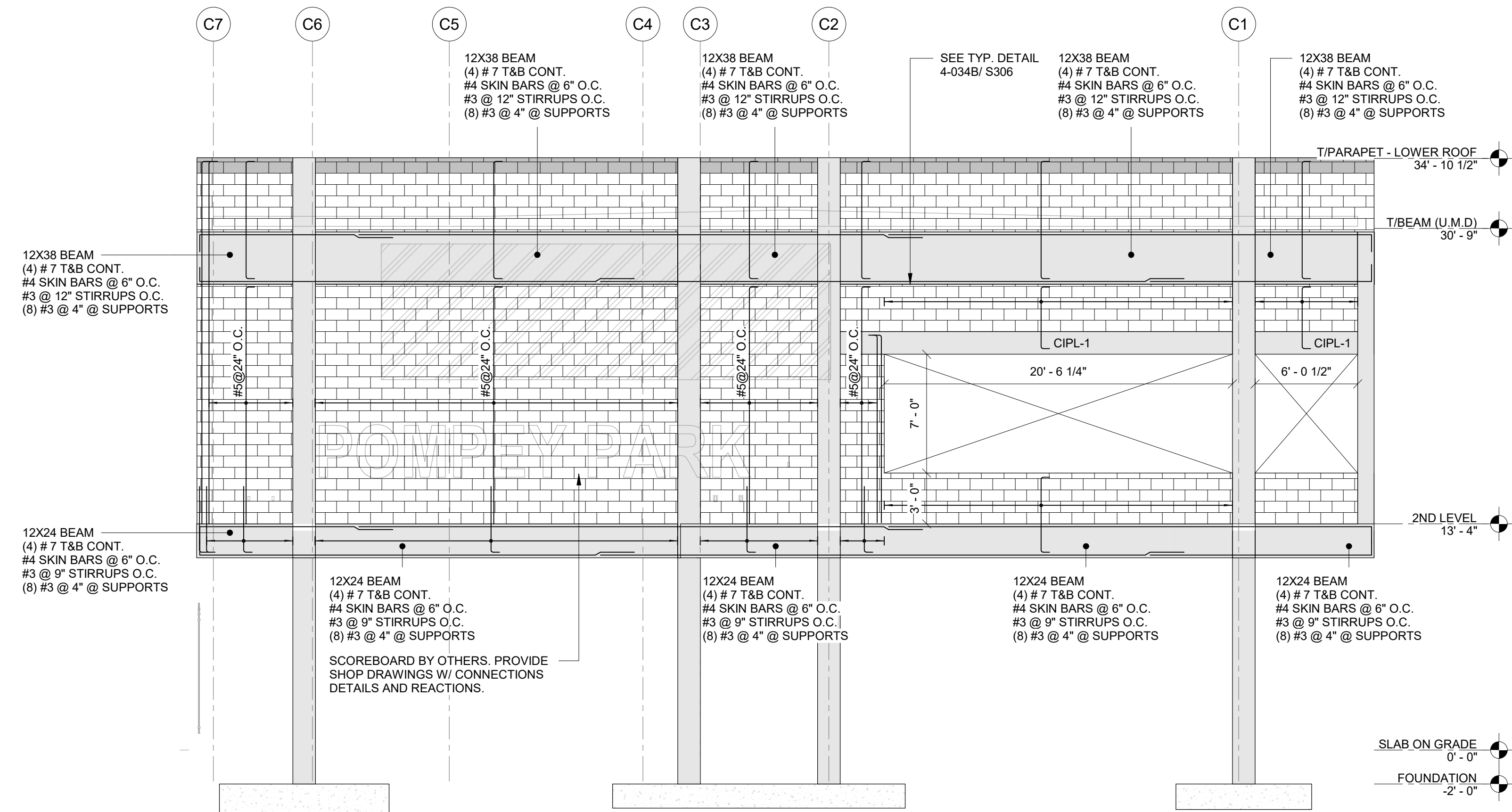
TITLE: ELEVATIONS  
DATE: Dec. 27, 2022  
DRAWN BY: AN/M  
CHECKED BY: AC

SHEET: S510  
OF

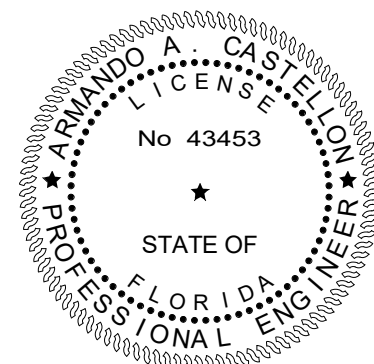
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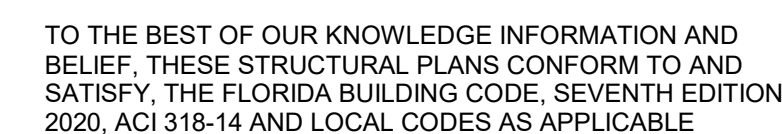
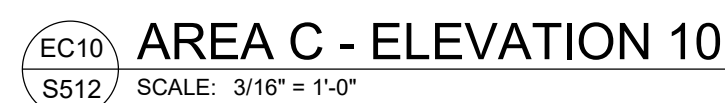
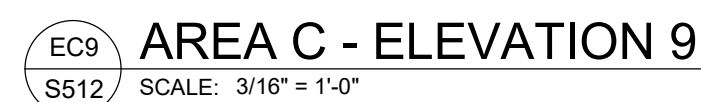


EC7  
SS11 AREA C - ELEVATION 7  
SCALE: 3/16" = 1'-0"



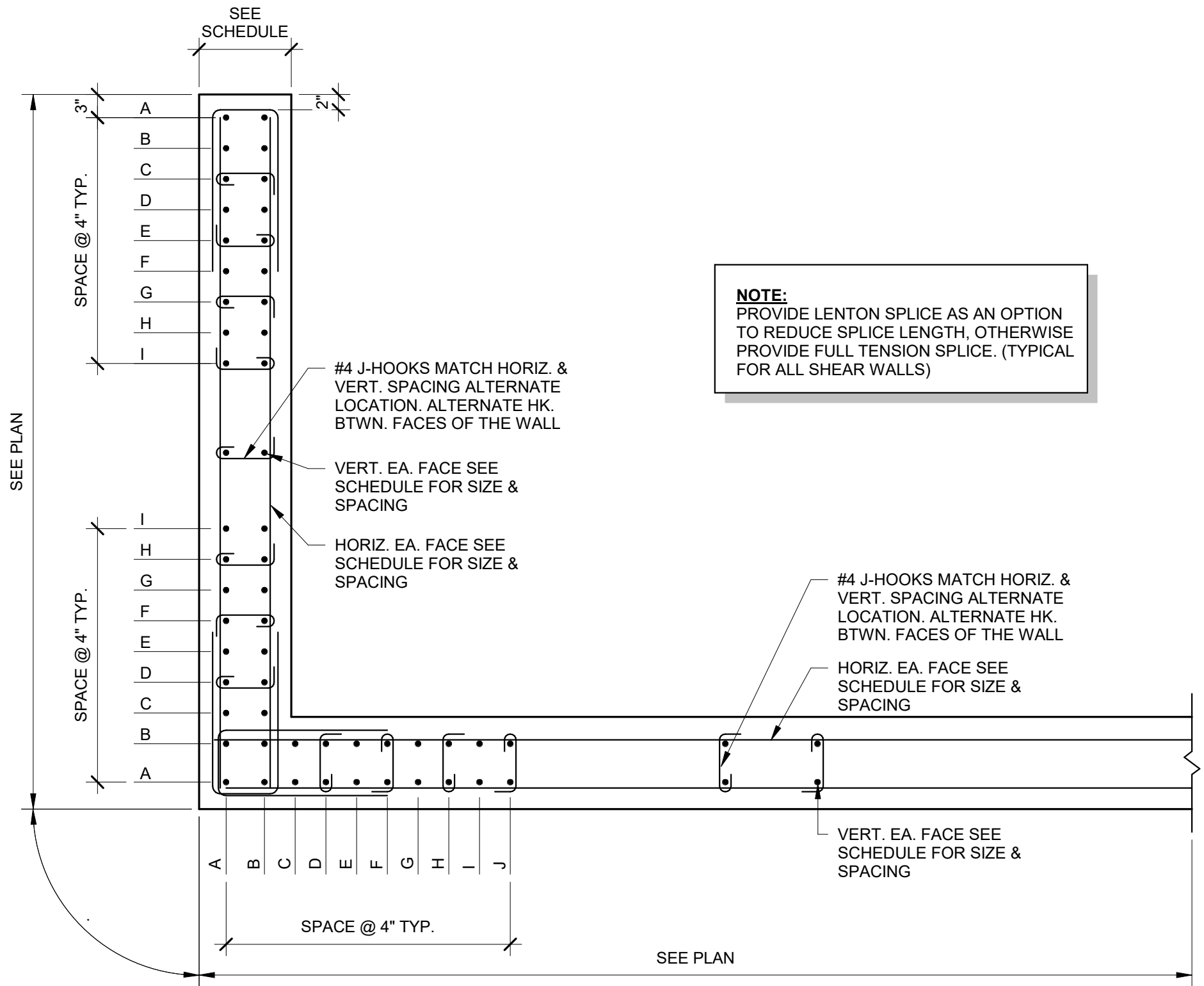
EC8  
SS11 AREA C - ELEVATION 8  
SCALE: 3/16" = 1'-0"



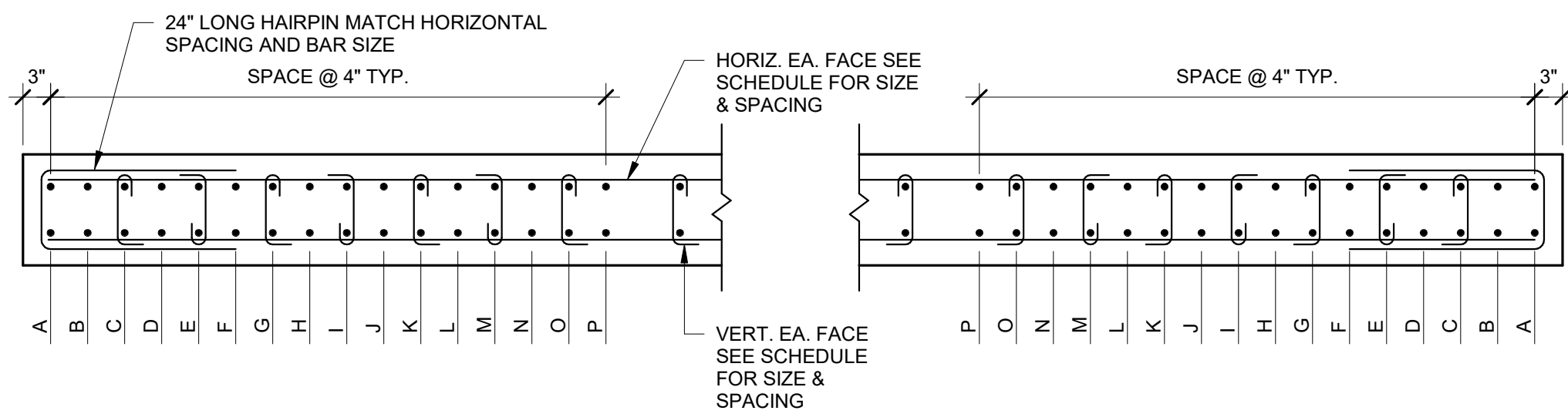


**SHEET:**  
**S512**

CONFIRMED SET 09/22/2025



**A** SHEAR WALL SECTION 'A'  
S520 SCALE: 3/4" = 1'-0"

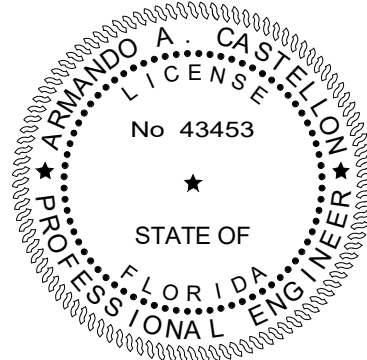


**B** SHEAR WALL SECTION 'B'  
S520 SCALE: 3/4" = 1'-0"

| SHEAR WALL REINFORCING - SW1, SW2, SW3, SW8, SW9, SW10, SW12, & SW14 |                                              |      |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------------------------------------------|----------------------------------------------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FLOOR                                                                | MAIN VERTICAL REINF.                         |      |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                      | REINF. @ EACH END (TOTAL NUMBER OF EA. TYPE) |      |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                      | A                                            | B    | C | D | E | F | G | H | I | J | K | L | M | N | O |
| ROOF LEVEL                                                           | 2-#6                                         | 2-#6 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2ND LEVEL                                                            | 2-#6                                         | 2-#6 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| SLAB ON GRADE                                                        | 2-#6                                         | 2-#6 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| TOP OF FOUNDATION                                                    | 2-#6                                         | 2-#6 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| NOTE: BARS THAT END AT ONE LEVEL MUST EXTEND Ld ABOVE THE TOP SLAB.  |                                              |      |   |   |   |   |   |   |   |   |   |   |   |   |   |

| SHEAR WALL REINFORCING - SW4                                        |                                              |      |      |      |      |      |   |   |   |   |   |   |   |   |   |
|---------------------------------------------------------------------|----------------------------------------------|------|------|------|------|------|---|---|---|---|---|---|---|---|---|
| FLOOR                                                               | MAIN VERTICAL REINF.                         |      |      |      |      |      |   |   |   |   |   |   |   |   |   |
|                                                                     | REINF. @ EACH END (TOTAL NUMBER OF EA. TYPE) |      |      |      |      |      |   |   |   |   |   |   |   |   |   |
|                                                                     | A                                            | B    | C    | D    | E    | F    | G | H | I | J | K | L | M | N | O |
| ROOF LEVEL                                                          | 2-#7                                         | 2-#7 | 2-#7 | 2-#7 | 2-#7 |      |   |   |   |   |   |   |   |   |   |
| 2ND LEVEL                                                           | 2-#7                                         | 2-#7 | 2-#7 | 2-#7 | 2-#7 | 2-#7 |   |   |   |   |   |   |   |   |   |
| SLAB ON GRADE                                                       | 2-#7                                         | 2-#7 | 2-#7 | 2-#7 | 2-#7 | 2-#7 |   |   |   |   |   |   |   |   |   |
| TOP OF FOUNDATION                                                   | 2-#7                                         | 2-#7 | 2-#7 | 2-#7 | 2-#7 | 2-#7 |   |   |   |   |   |   |   |   |   |
| NOTE: BARS THAT END AT ONE LEVEL MUST EXTEND Ld ABOVE THE TOP SLAB. |                                              |      |      |      |      |      |   |   |   |   |   |   |   |   |   |

| SHEAR WALL REINFORCING - SW5, SW6, SW7, SW11, & SW15                |                                              |      |      |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------------------------------------|----------------------------------------------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| FLOOR                                                               | MAIN VERTICAL REINF.                         |      |      |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                     | REINF. @ EACH END (TOTAL NUMBER OF EA. TYPE) |      |      |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                     | A                                            | B    | C    | D | E | F | G | H | I | J | K | L | M | N | O |
| ROOF LEVEL                                                          | 2-#6                                         | 2-#6 |      |   |   |   |   |   |   |   |   |   |   |   |   |
| 2ND LEVEL                                                           | 2-#6                                         | 2-#6 | 2-#6 |   |   |   |   |   |   |   |   |   |   |   |   |
| SLAB ON GRADE                                                       | 2-#6                                         | 2-#6 | 2-#6 |   |   |   |   |   |   |   |   |   |   |   |   |
| TOP OF FOUNDATION                                                   | 2-#6                                         | 2-#6 | 2-#6 |   |   |   |   |   |   |   |   |   |   |   |   |
| NOTE: BARS THAT END AT ONE LEVEL MUST EXTEND Ld ABOVE THE TOP SLAB. |                                              |      |      |   |   |   |   |   |   |   |   |   |   |   |   |



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CONFORMED SET 09/22/2025

TITLE: SHEAR WALL DETAILS AND SCHEDULE

JOB NO: 2122

SHEET: S520 OF

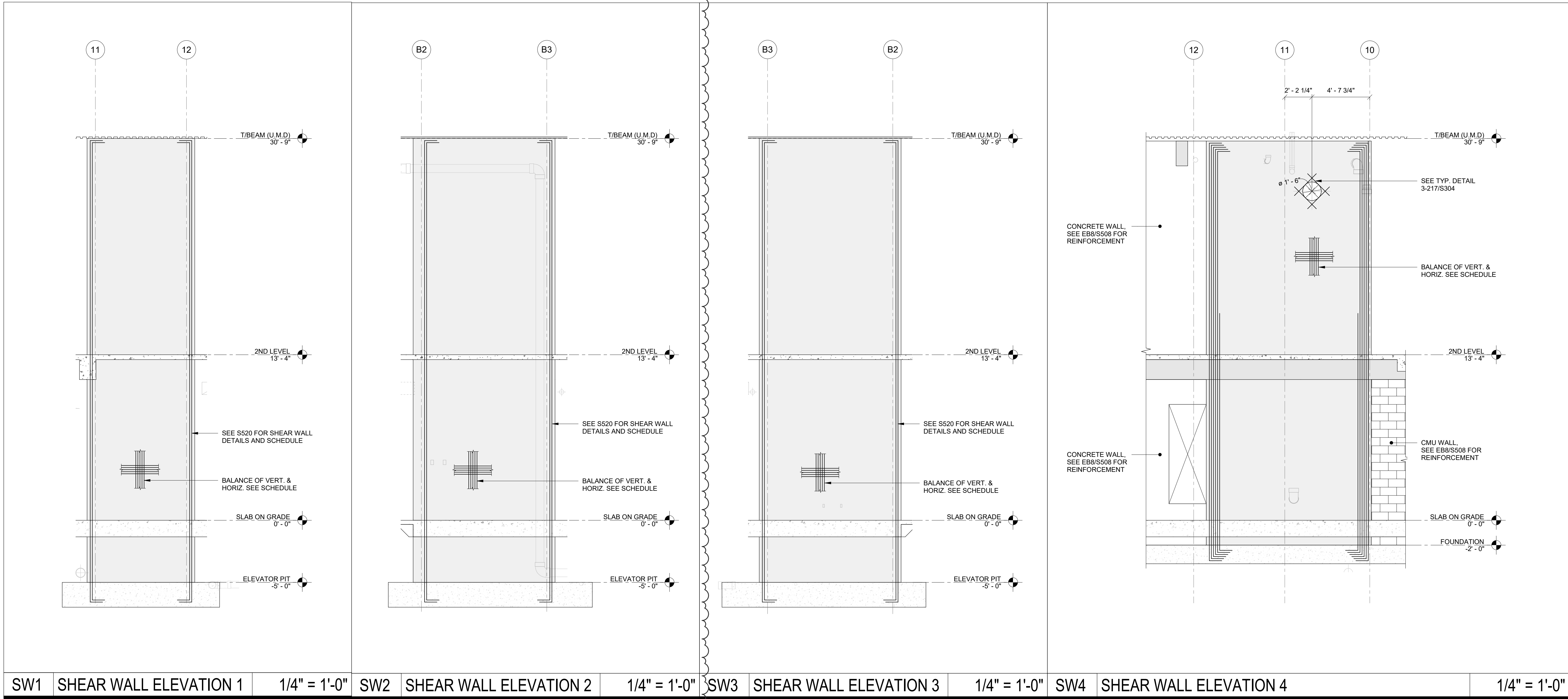
REVISIONS:

PROJECT:

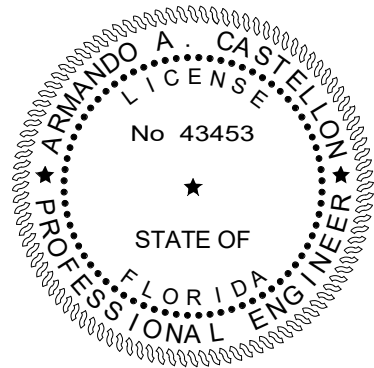
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FL 33444

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cartayaandassociates.com  
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FT. LAUDERDALE, FLORIDA 33308  
954-771-2724



|     |                        |              |     |                        |              |     |                        |              |     |                        |              |
|-----|------------------------|--------------|-----|------------------------|--------------|-----|------------------------|--------------|-----|------------------------|--------------|
| SW1 | SHEAR WALL ELEVATION 1 | 1/4" = 1'-0" | SW2 | SHEAR WALL ELEVATION 2 | 1/4" = 1'-0" | SW3 | SHEAR WALL ELEVATION 3 | 1/4" = 1'-0" | SW4 | SHEAR WALL ELEVATION 4 | 1/4" = 1'-0" |
|-----|------------------------|--------------|-----|------------------------|--------------|-----|------------------------|--------------|-----|------------------------|--------------|



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ISSUED FOR CONSTRUCTION 11/21/2025

TITLE: SHEAR WALL ELEVATIONS

JOB NO: 2122

SHEET: S521 OF

DATE: Dec. 27, 2022  
DRAWN BY: AN/NM  
CHECKED BY: AC

PROJECT: CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

REVISIONS:  
# 06/22/2025 CONFORMED SET

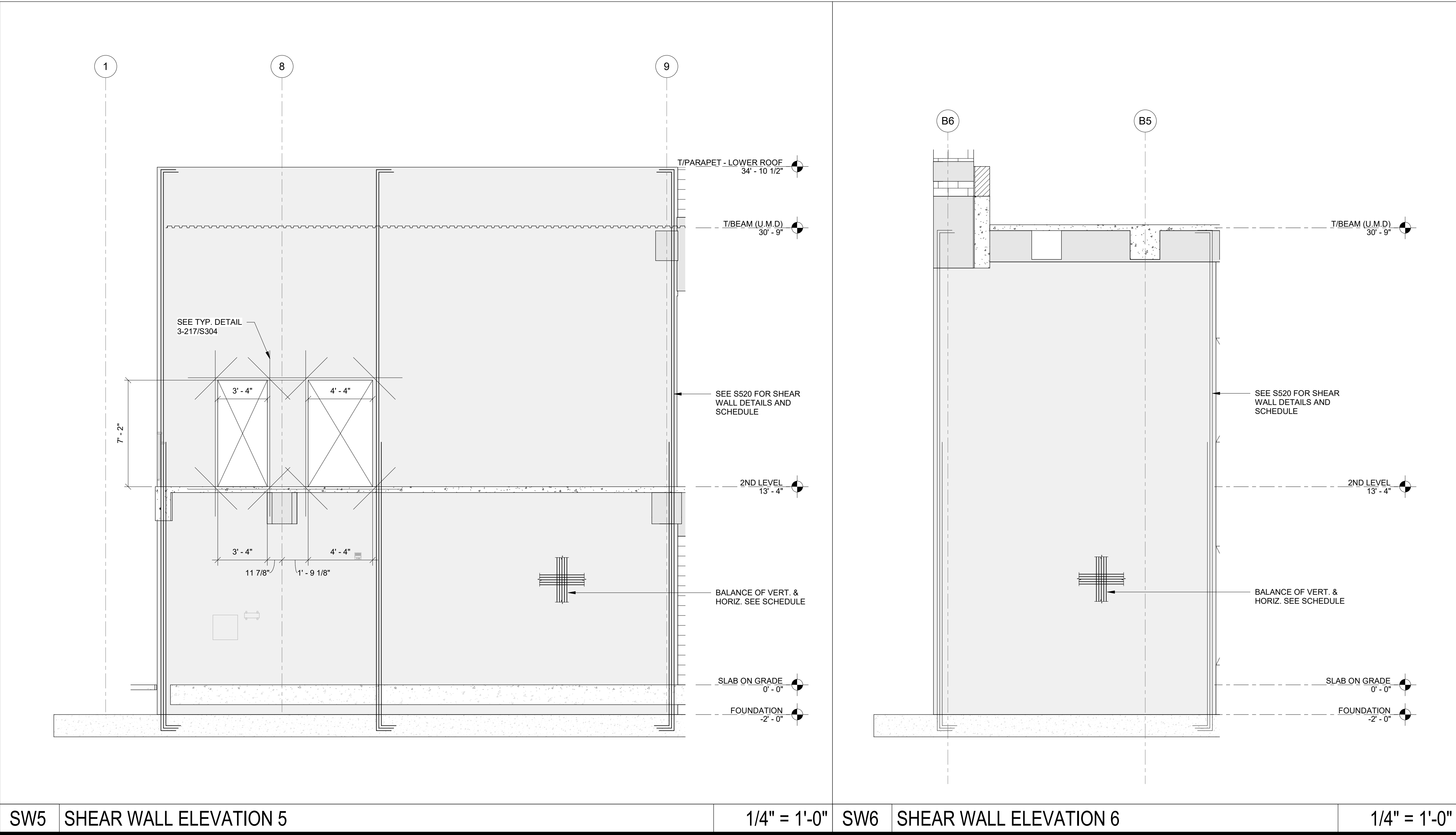
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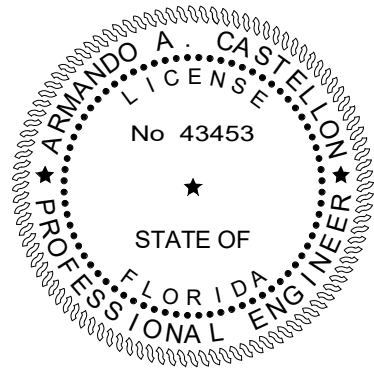
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|     |                        |              |     |                        |              |
|-----|------------------------|--------------|-----|------------------------|--------------|
| SW5 | SHEAR WALL ELEVATION 5 | 1/4" = 1'-0" | SW6 | SHEAR WALL ELEVATION 6 | 1/4" = 1'-0" |
|-----|------------------------|--------------|-----|------------------------|--------------|



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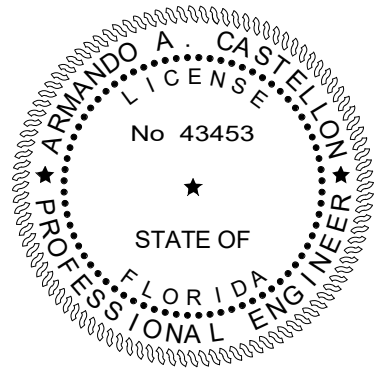
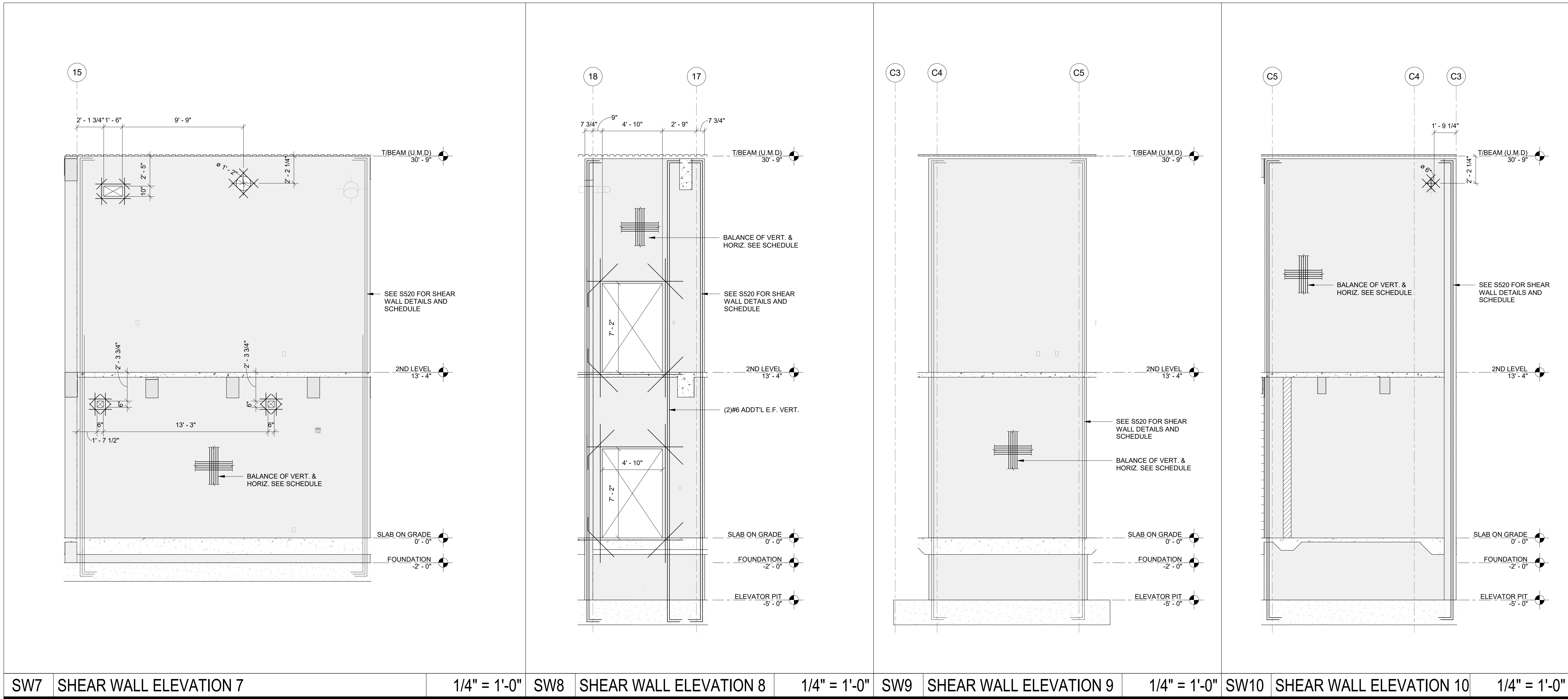
CONFORMED SET 09/22/2025

|             |                       |
|-------------|-----------------------|
| TITLE:      | SHEAR WALL ELEVATIONS |
| DATE:       | Dec. 27, 2022         |
| DRAWN BY:   | AN/NM                 |
| CHECKED BY: | AC                    |
| JOB NO:     | 2122                  |
| SHEET:      | S522                  |
| OF          |                       |

|            |                                                                                            |
|------------|--------------------------------------------------------------------------------------------|
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| REVISIONS: |                                                                                            |

|                                                                                                                                                                                                                                                            |                        |
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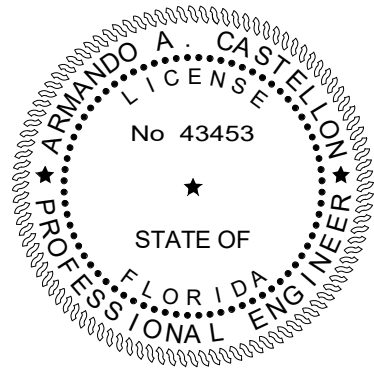
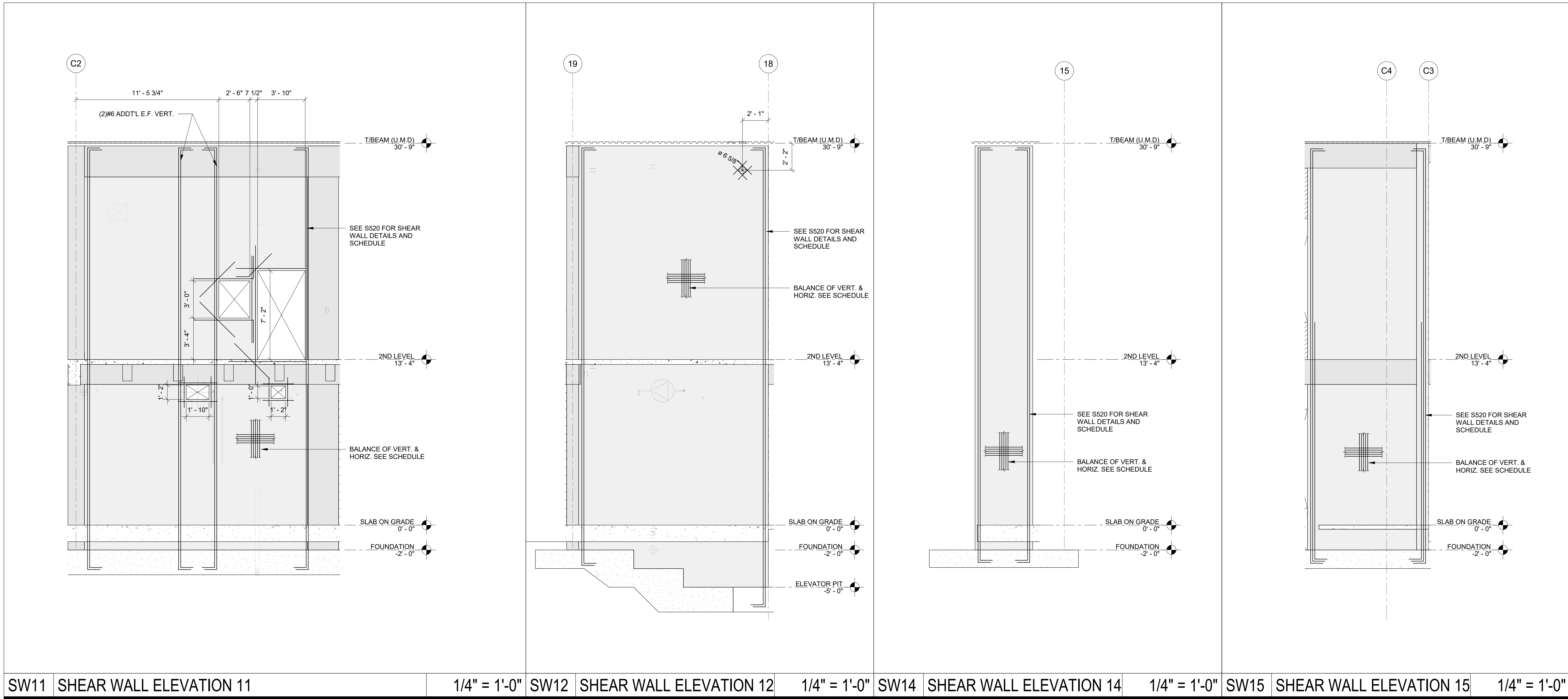
CONFORMED SET 09/22/2025

|                                 |                     |
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| TITLE:<br>SHEAR WALL ELEVATIONS | DATE: Dec. 27, 2022 |
|                                 | DRAWN BY: AN/NM     |
| SHEET:<br>S523                  | CHECKED BY: AC      |
|                                 | JOB NO:<br>2122     |

|          |                              |
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| PROJECT: | CITY OF DELRAY BEACH         |
|          | POMPEY PARK REC CENTER       |
| PROJECT: | 1101 NW 2ND ST, DELRAY BEACH |
|          | FL 33444                     |

|                                                                                                                                                                                                                                                            |  |
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| MASTER CONSULTING ENGINEERS, INC.                                                                                                                                                                                                                          |  |
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| FT. LAUDERDALE, FLORIDA 33312                                                                                                                                                                                                                              |  |
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| DATE: 8/2/20 PROJ. NO. 1333-001-1-1                                                                                                                                                                                                                        |  |

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**PROJECT:**  
CITY OF DELRAY BEACH  
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1101 NW 2ND ST. DELRAY BEACH  
FL 33444

**REVISIONS:**

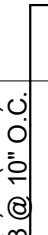
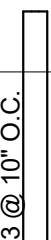
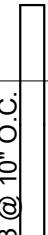
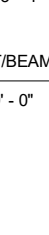
**TITLE:** SHEAR WALL ELEVATIONS

**DATE:** Dec. 27, 2022  
**DRAWN BY:** AN/NM  
**CHECKED BY:** AC

**JOB NO:** 2122

**SHEET:** S524 OF

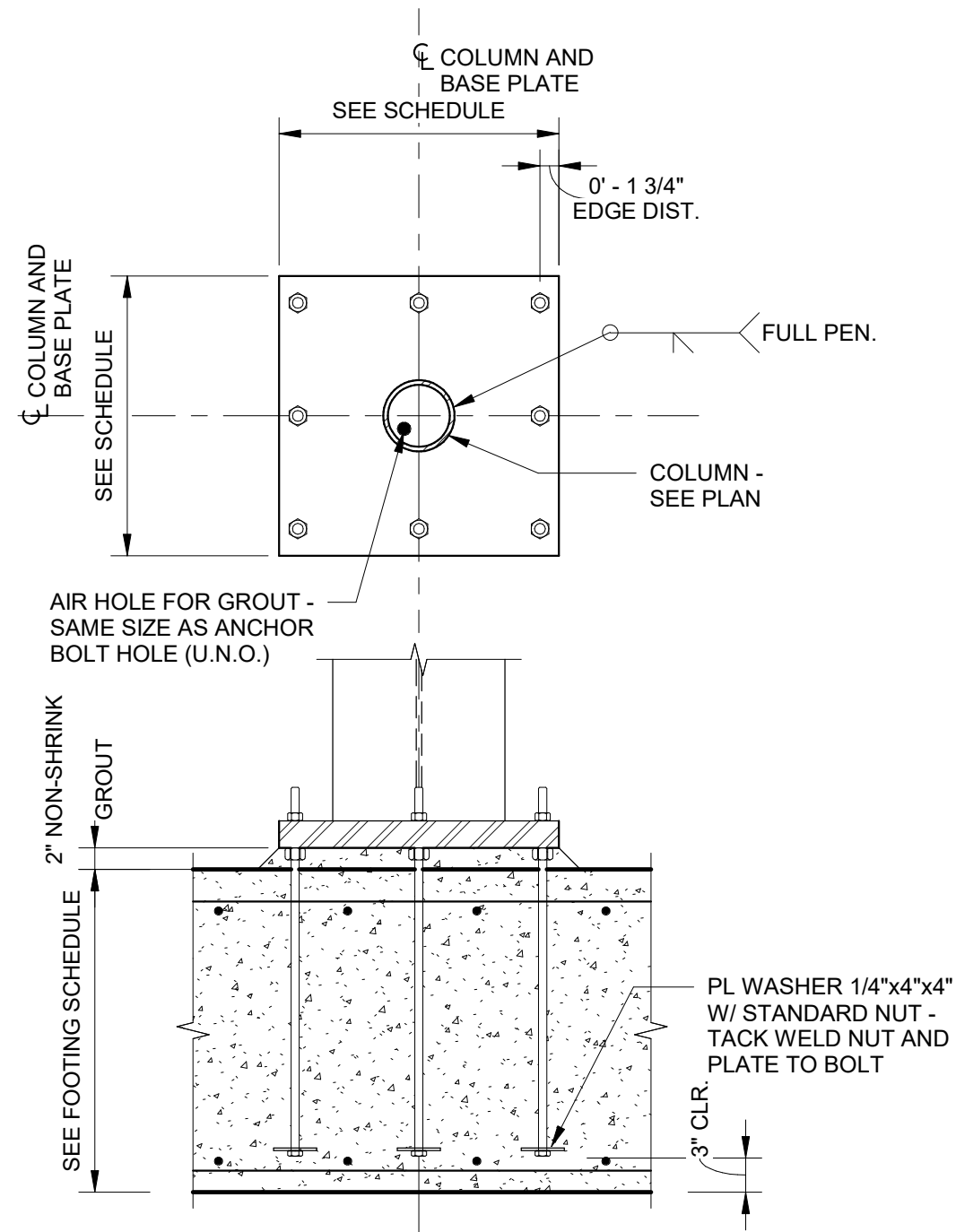


|                         |                                                                                             |                                                                                             |                                                                                             |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| T/PARAPET - LOWER ROOF  |                                                                                             |                                                                                             |                                                                                             | T/PARAPET - LOWER ROOF                                                                      |
| 34" - 10 1/2"           |                                                                                             |                                                                                             |                                                                                             | 34" - 10 1/2"                                                                               |
| T/BEAM (U.M.D)          |                                                                                             |                                                                                             |                                                                                             | T/BEAM (U.M.D)                                                                              |
| 30" - 9"                |                                                                                             |                                                                                             |                                                                                             | 30" - 9"                                                                                    |
|                         |                                                                                             |                                                                                             |                                                                                             |                                                                                             |
| 2ND LEVEL               |                                                                                             |                                                                                             |                                                                                             | 2ND LEVEL                                                                                   |
| 13" - 4"                |                                                                                             |                                                                                             |                                                                                             | 13" - 4"                                                                                    |
| T/BEAM                  |                                                                                             |                                                                                             |                                                                                             | T/BEAM                                                                                      |
| 9" - 0"                 |  |  |  |  |
| FOUNDATION (MISC. STR.) |                                                                                             |                                                                                             |                                                                                             | FOUNDATION (MISC. STR.)                                                                     |
| -1' - 4"                |                                                                                             |                                                                                             |                                                                                             | -1' - 4"                                                                                    |
|                         |          |          |          |                                                                                             |
| Column Locations        | SR-17-SR-K                                                                                  | SR-18-SR-H                                                                                  | SR-18-SR-K                                                                                  |                                                                                             |

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

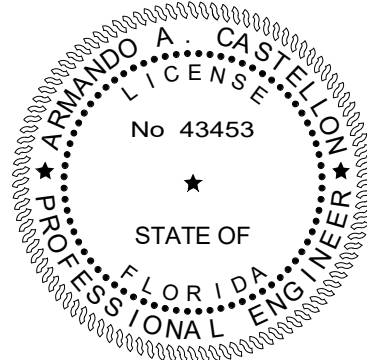
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|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|
| T/PARAPET - LOWER ROOF |                                                                                     |                                                                                     |                                                                                     | T/PARAPET - LOWER ROOF |
| 34' - 10 1/2"          |                                                                                     |                                                                                     |                                                                                     | 34' - 10 1/2"          |
|                        | HSS8.625X.500                                                                       | HSS8.625X.500                                                                       | HSS8.625X.500                                                                       |                        |
| 2ND LEVEL              |                                                                                     |                                                                                     |                                                                                     | 2ND LEVEL              |
| 13' - 4"               |                                                                                     |                                                                                     |                                                                                     | 13' - 4"               |
|                        |                                                                                     |                                                                                     |                                                                                     |                        |
| FOUNDATION             |                                                                                     |                                                                                     |                                                                                     | FOUNDATION             |
| -2' - 0"               |  |  |  | -2' - 0"               |
| Column Locations       | B6(14' - 3 7/8")-14(0' - 8 3/8")                                                    | B9(9' - 6 7/8")-13(7' - 8 1/2")                                                     | B9(2' - 4 7/8")-13 1(4' - 11")                                                      |                        |
| BASE PLATE             | BP-1                                                                                | BP-1                                                                                | BP-1                                                                                |                        |

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



SCALE: 3/4" = 1'-0"

| BASE PLATE SCHEDULE |      |              |         |
|---------------------|------|--------------|---------|
| BASE<br>PLATE       | SIZE | ANCHOR BOLTS | REMARKS |



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STRUCTURAL CONSULTANTS  
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CA: 8426 PROJ NO: 1333-001-31

**CITY OF DELRAY BEACH  
POMPEY PARK REC CENTER  
1101 NW 2ND ST, DELRAY BEACH  
FL 33444**

**PROJECT:**

REVISIONS:

**TITLE:** SCHEDULES

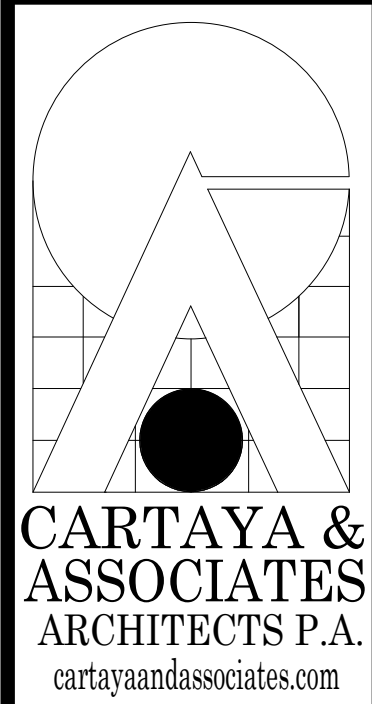
**JOB NO:**  
**2122**

**SHEET:**

S602

OF

NOTE:  
1. PROVIDE #4 SKIN BARS @6" O.C. TO ALL PERIMETER BEAMS EACH FACE.



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954-771-2724



**CITY OF DELRAY BEACH**  
**POMPEY PARK REC CENTER**  
1101 NW 2ND ST. DELRAY BEACH  
FL 33444

PROJECT:

REVISIONS:

TITLE: BEAM ELEVATIONS

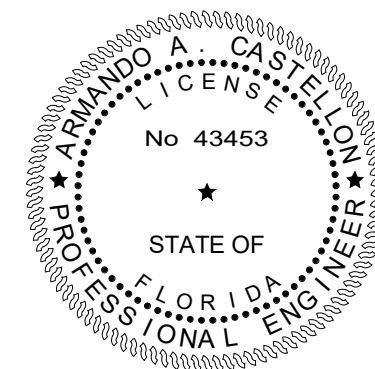
DATE: Dec. 27, 2022  
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JOB NO: 2122

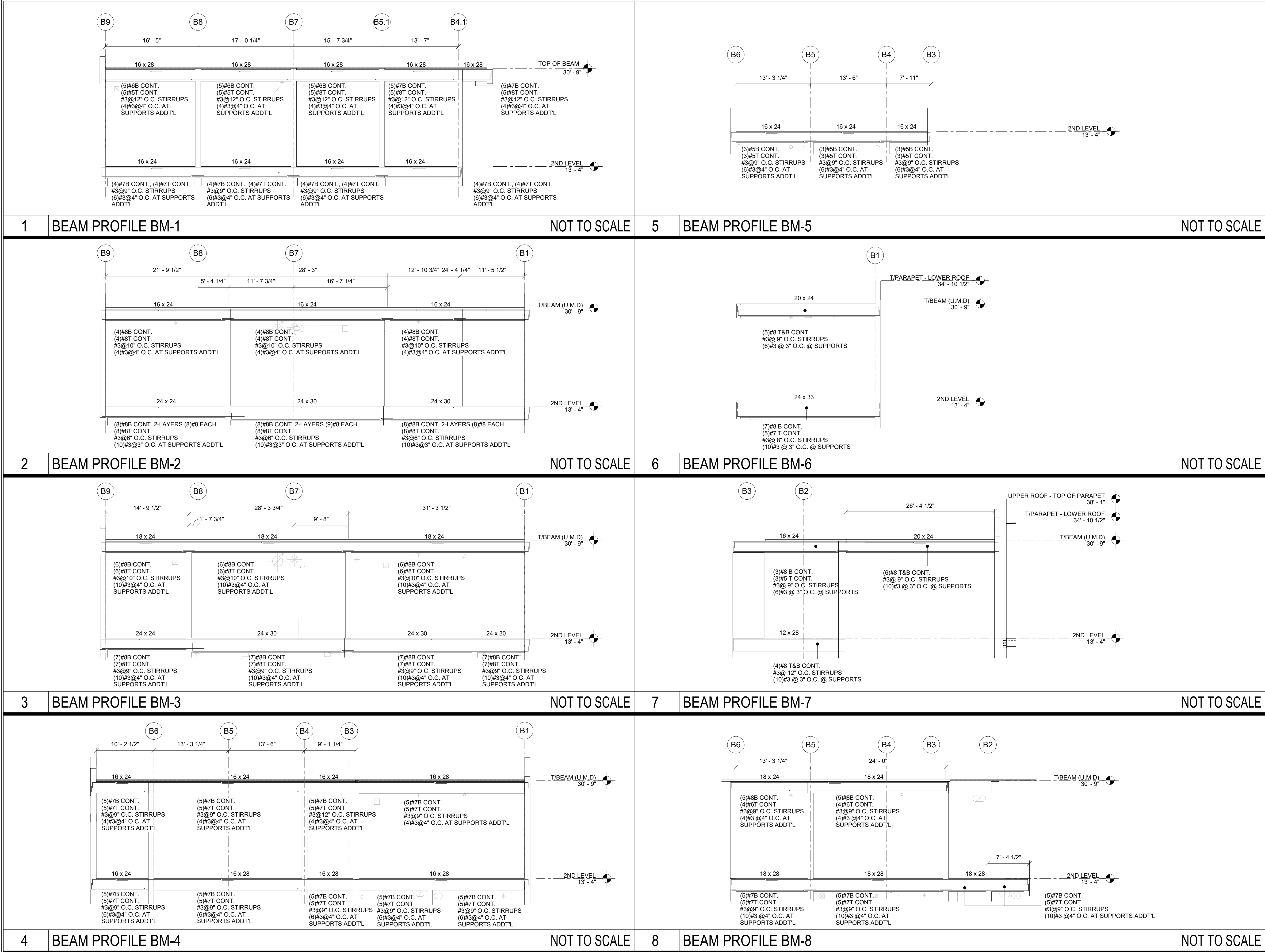
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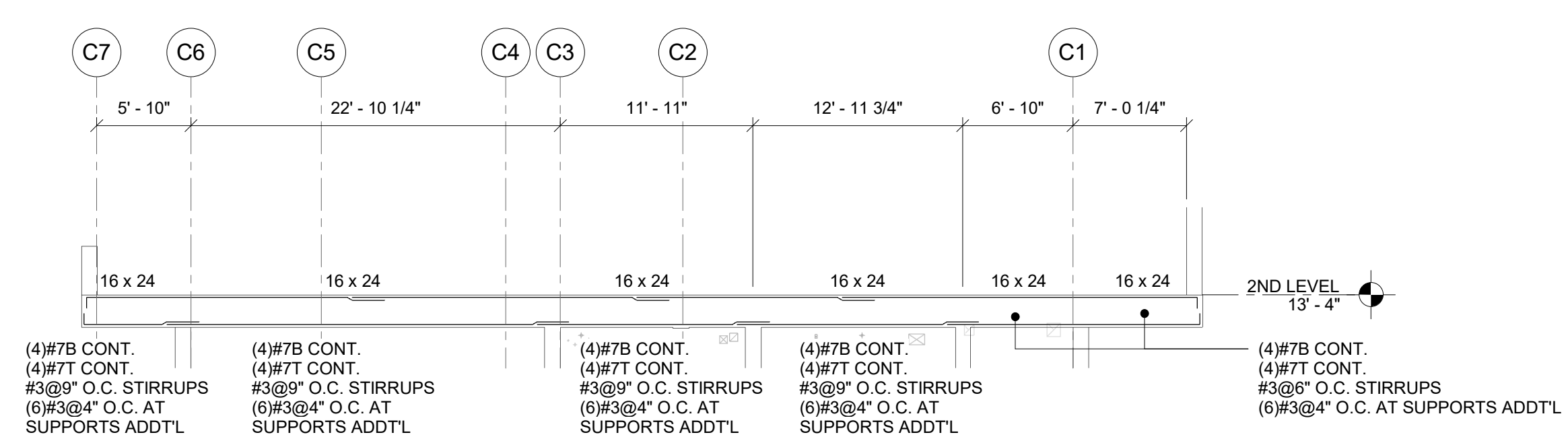
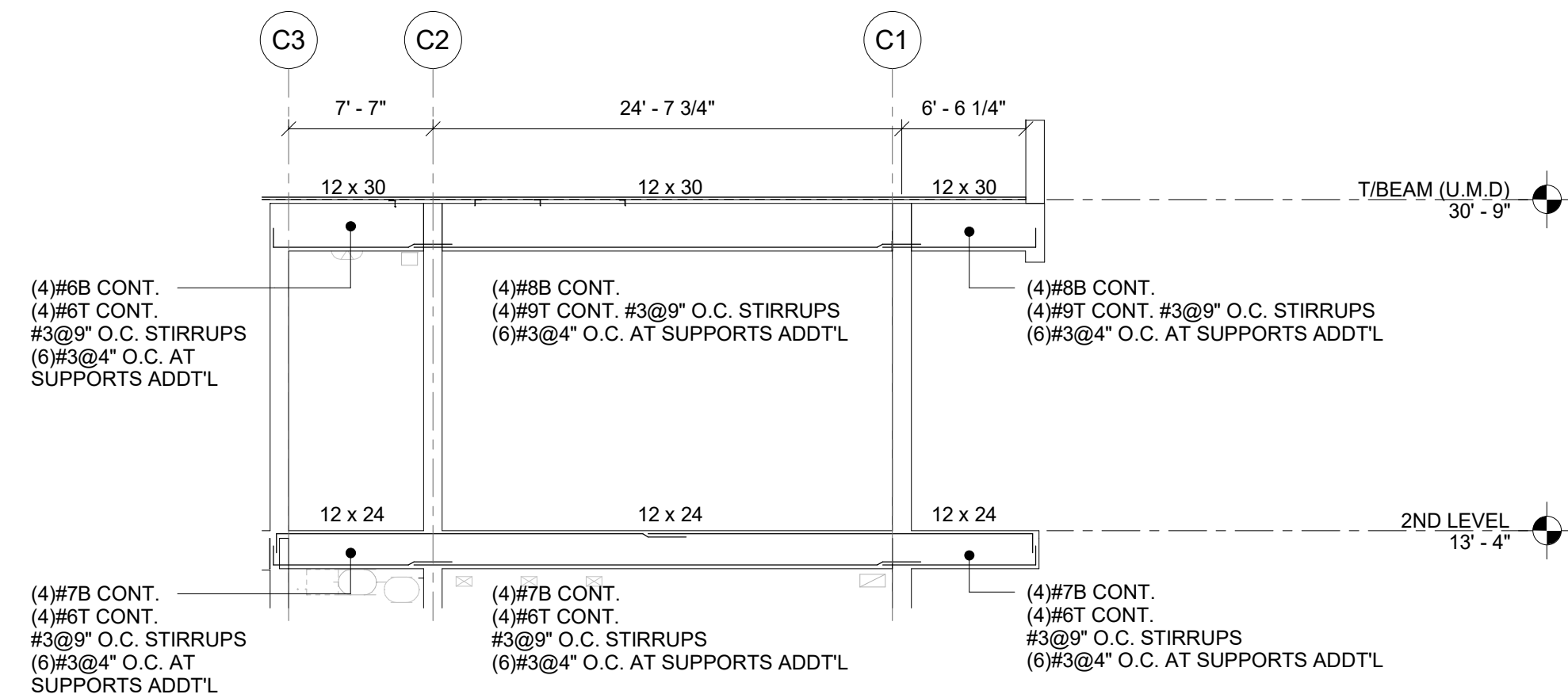
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OF

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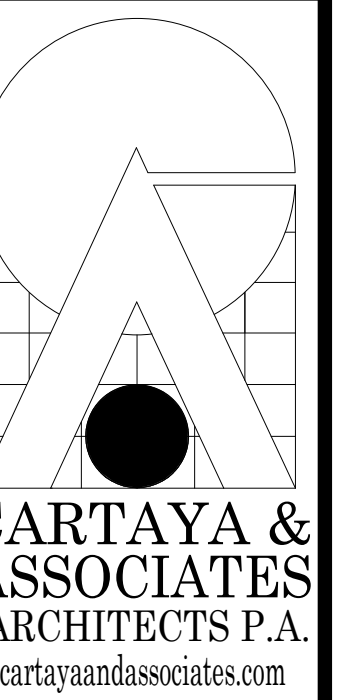
CONFORMED SET 09/22/2025



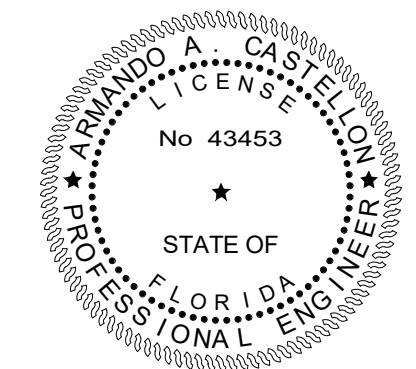
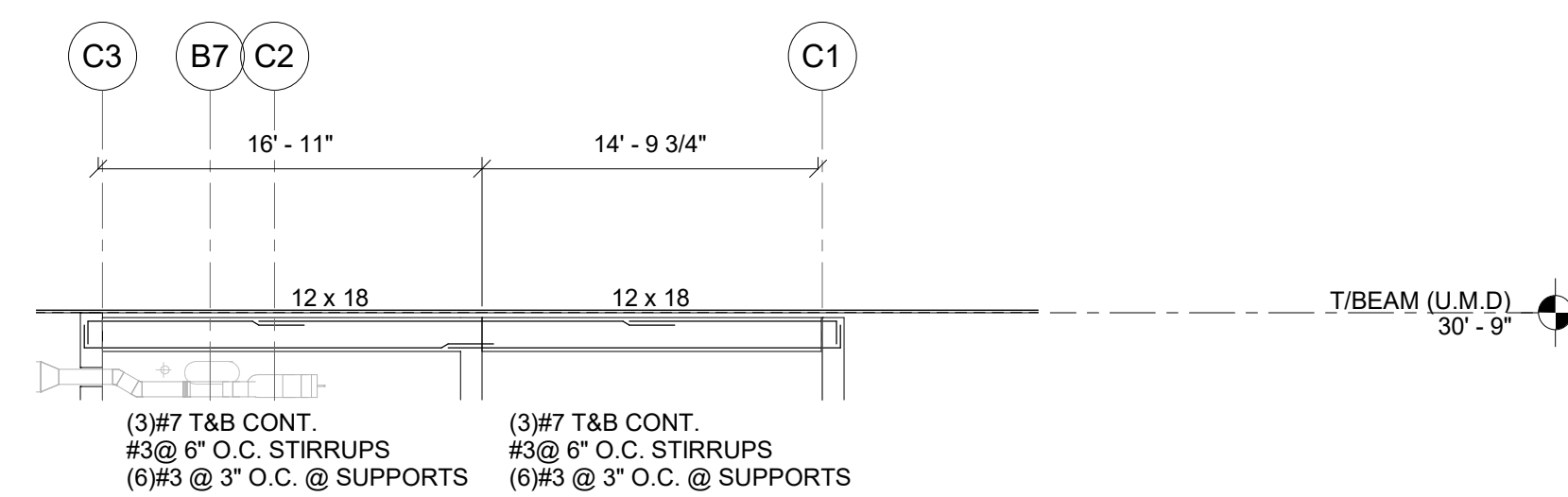
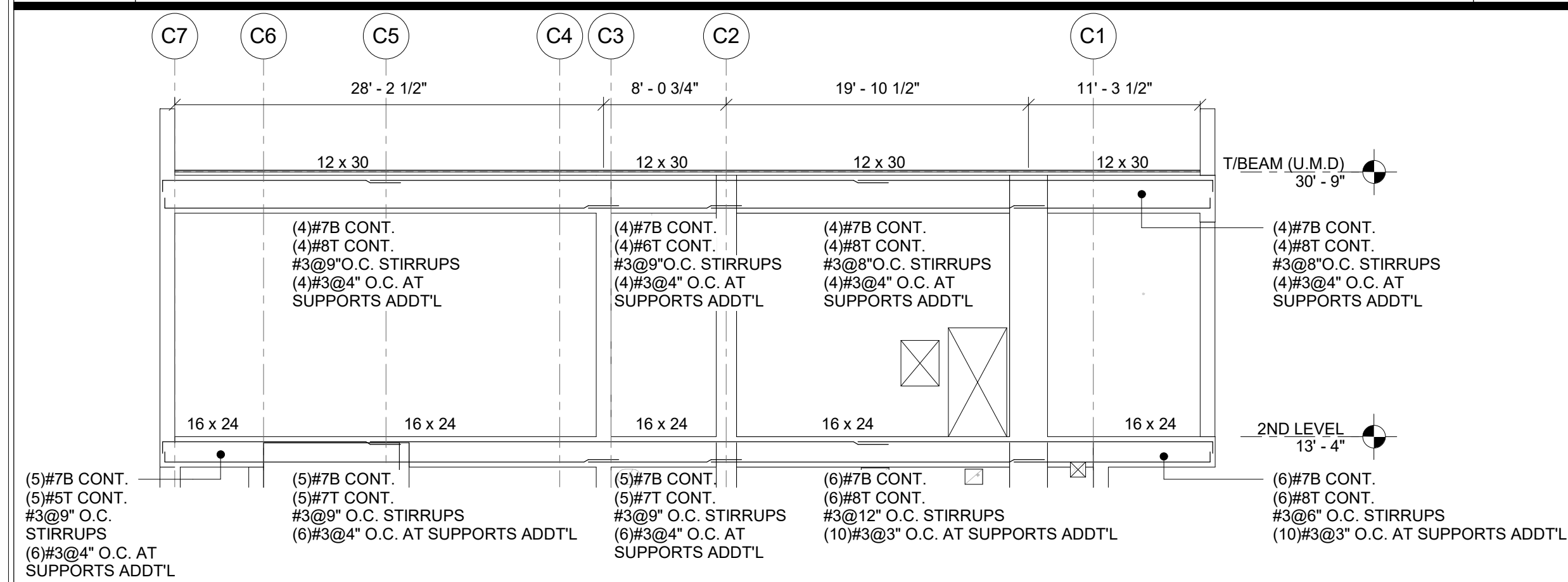
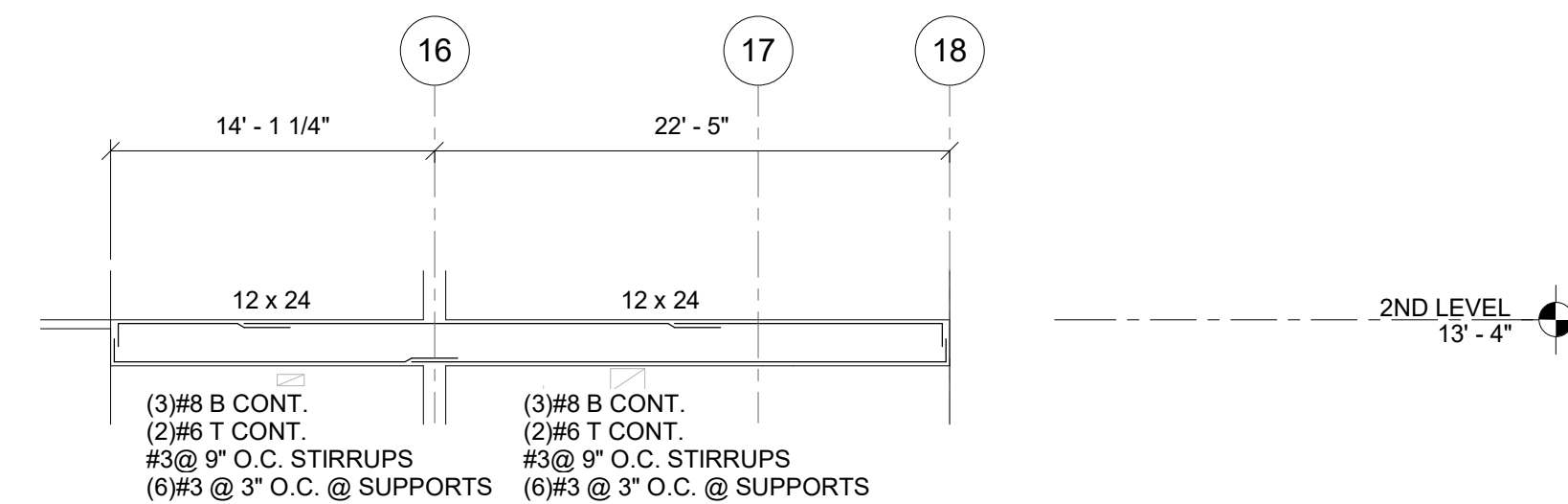
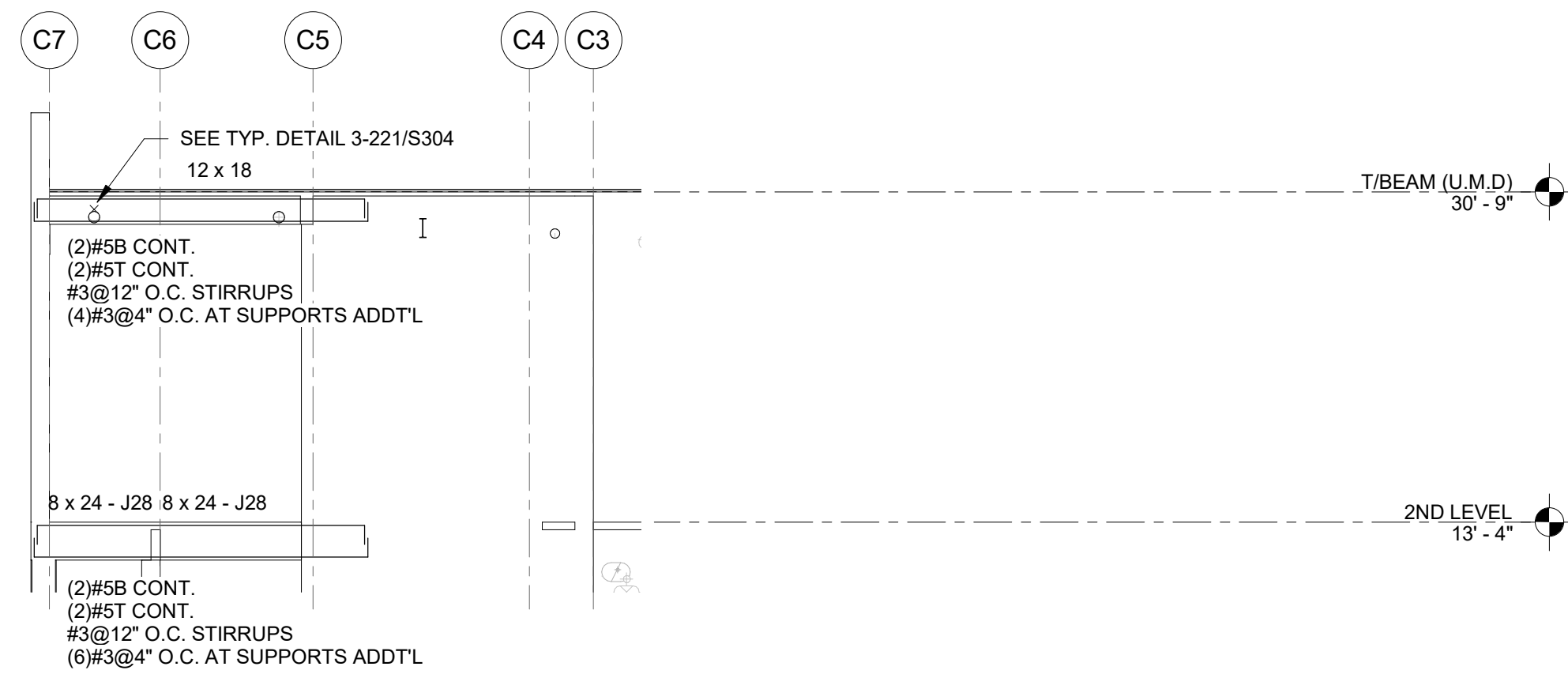
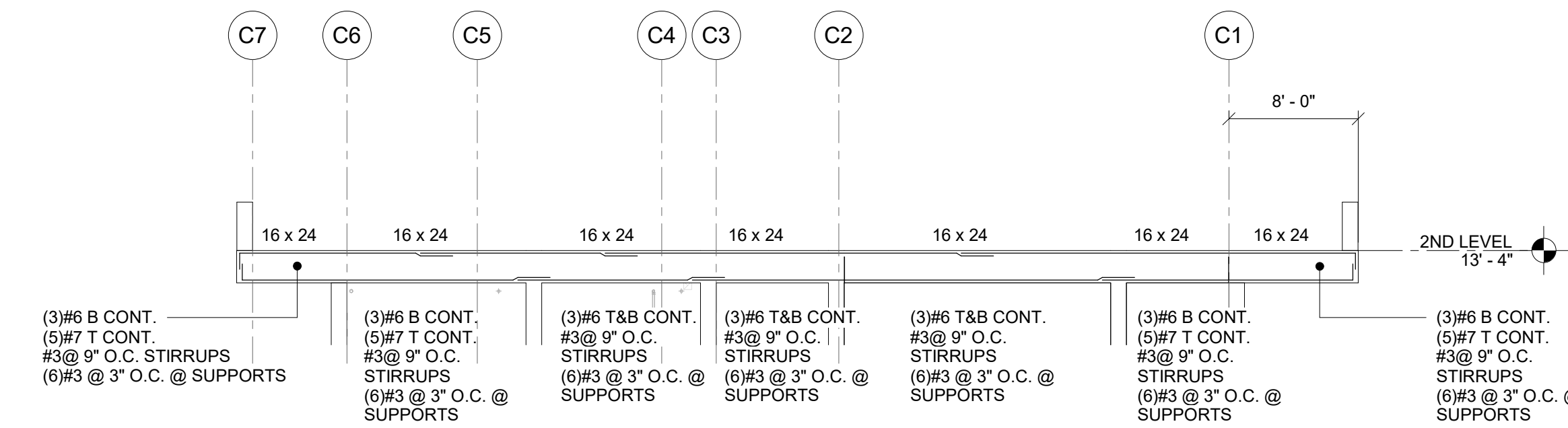
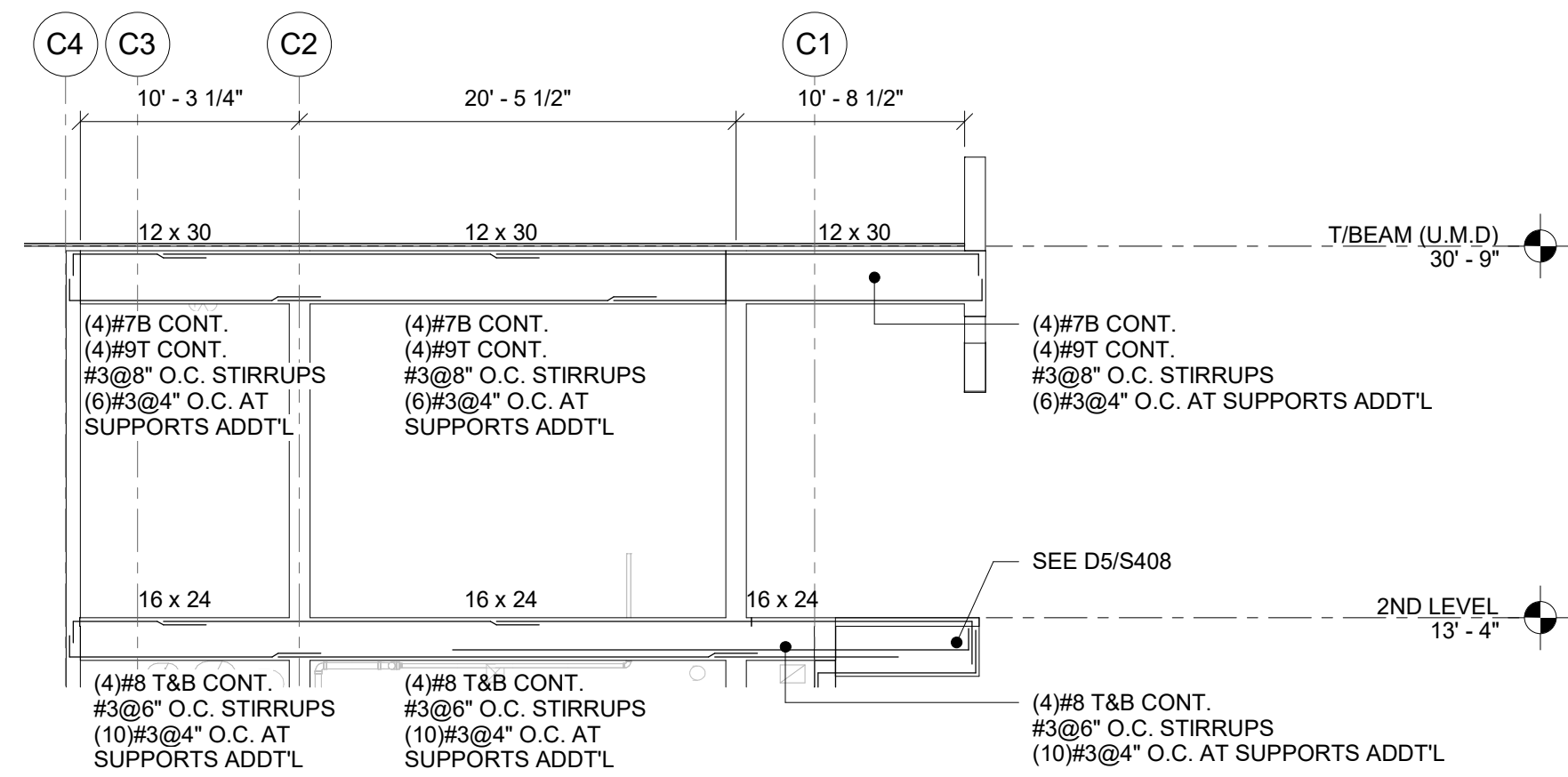


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## BEAM ELEVATIONS

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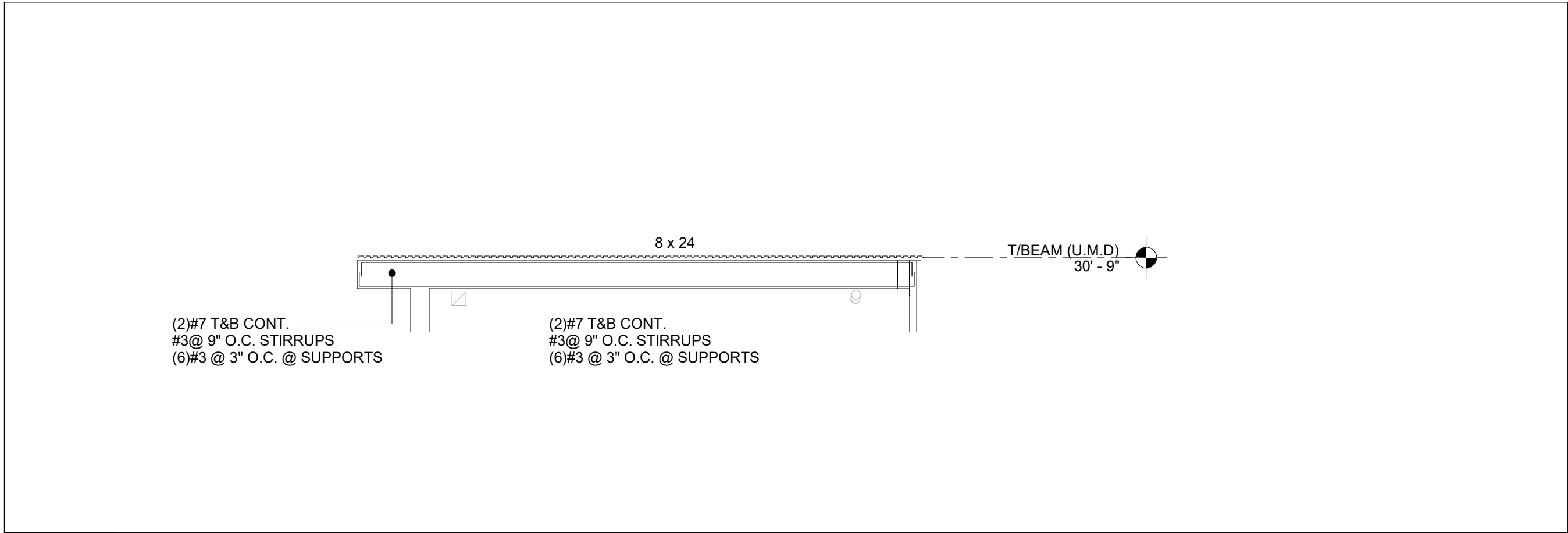
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**2122**

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S612

OF

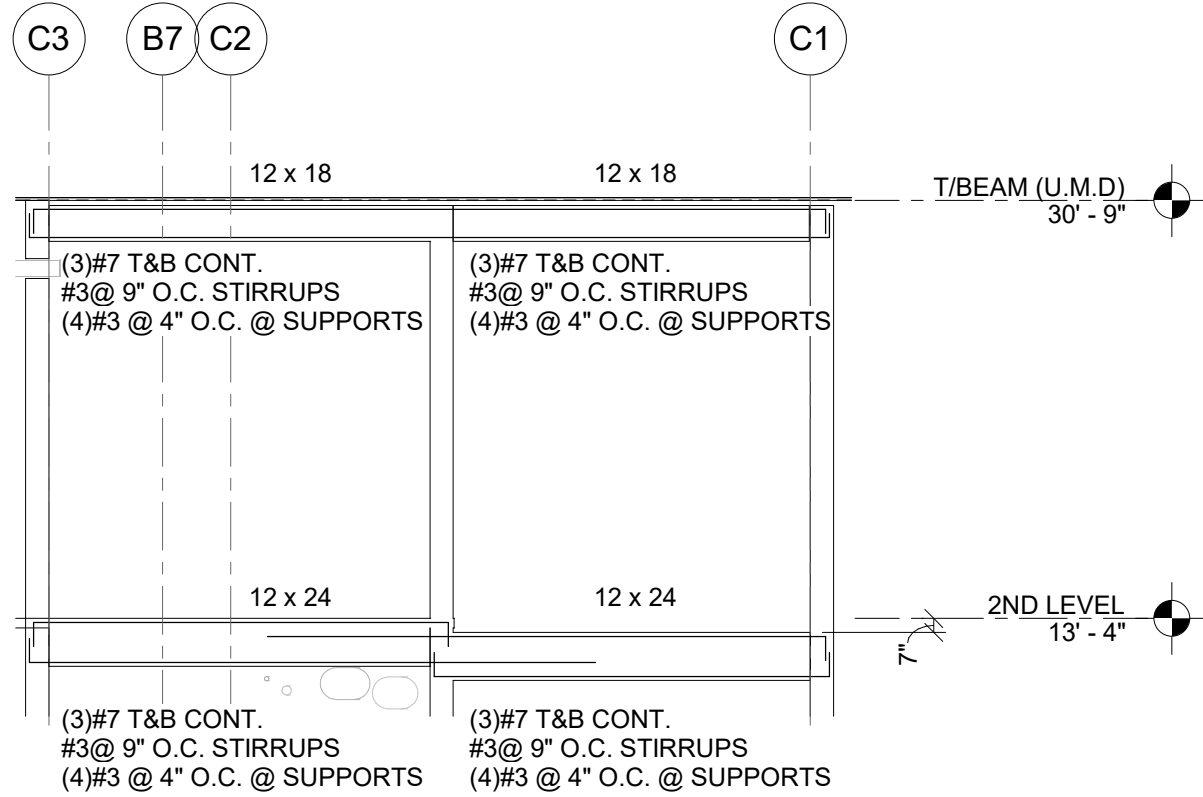
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17

BEAM PROFILE BM-17

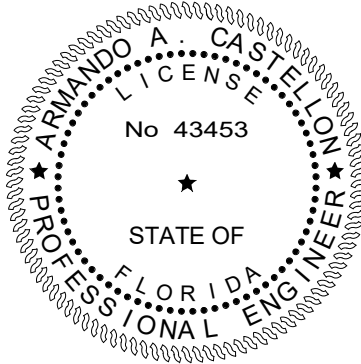
NOT TO SCALE



18

BEAM PROFILE BM-18

NOT TO SCALE



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DATE: 8/2/20 PROJ. NO. 1333-001-1-1

PROJECT:

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REVISIONS:

TITLE: BEAM ELEVATIONS

DATE: Dec. 27, 2022  
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JOB NO: 2122

SHEET: S613 OF

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