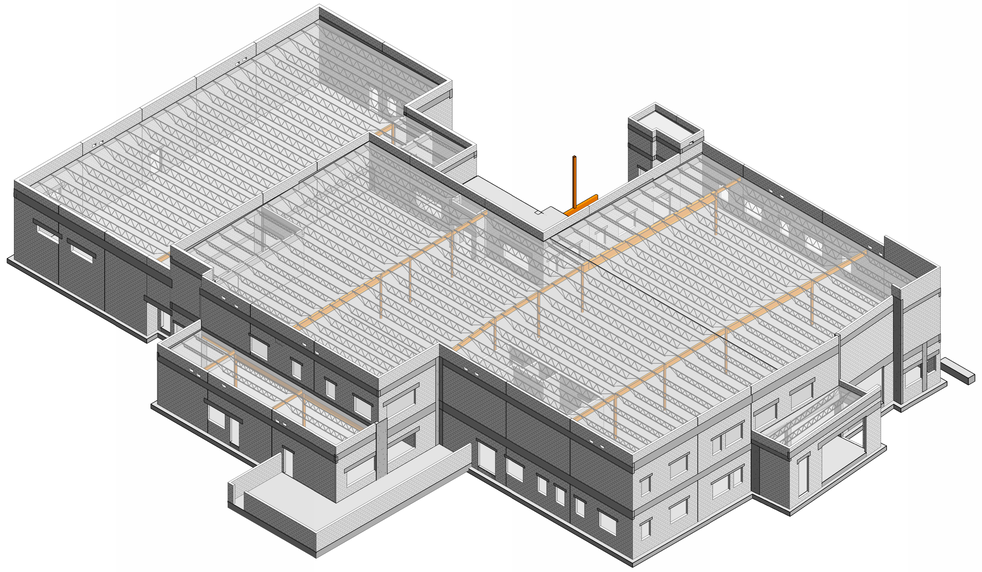
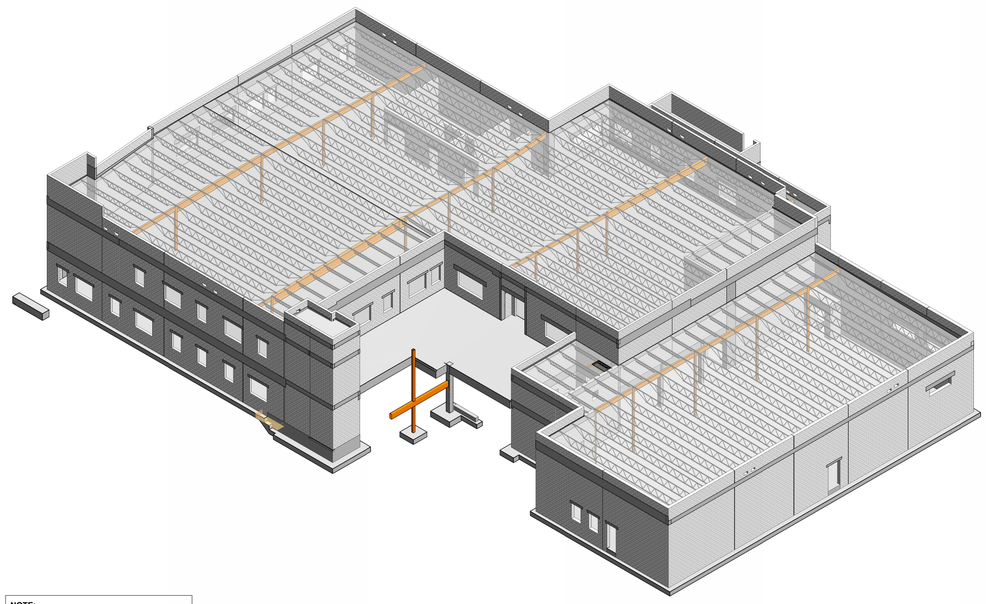
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NOTE:
ISOMETRIC VIEW IS FOR REFERENCE ONLY.

ISOMETRIC VIEW 1
NOT TO SCALE



NOTE:
ISOMETRIC VIEW IS FOR REFERENCE ONLY.

ISOMETRIC VIEW 2
NOT TO SCALE

MURRAY MIDDLE SCHOOL MODERNIZATION

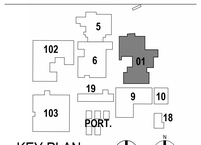
4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

PBK
WEST PALM BEACH, FL
561-478-4457
FL FIRM: AR 0013140
www.pbk.com

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
P | 954.210.7671 F | 813.287.3622

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CA: 8426 PROJ NO. 1413-221-31

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, EIGHTH EDITION 2023, ACI 318-19 AND LOCAL CODES AS APPLICABLE

OVERALL ISOMETRIC VIEWS

S-100

Plot Stamp:
28/05/2026 2:37:13 am

HB ESTIMATING REC'D 06.01.2026

0"
1"

GENERAL STRUCTURAL NOTES

GENERAL NOTES:

1. 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.
2. DETAILS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS AND CONDITIONS UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT ALL WORK IN PROGRESS UNTIL THE BUILDING IS COMPLETED.
4. ALL STRUCTURAL ITEMS FOR THIS PROJECT HAVE BEEN DESIGNED IN ACCORDANCE WITH APPROPRIATE PROVISIONS OF EACH OF THE FOLLOWING:
   A. THE FLORIDA BUILDING CODE, (EIGHTH EDITION) 2023.
   B. ACI STANDARD 318-19 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
   C. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402-16).
   D. AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" 360-16.
   E. NDS FOR WOOD CONSTRUCTION WITH 2018 NDS SUPPLEMENT.
   F. ASCE 7-22 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES".
5. 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.
6. IN CASE OF CONFLICT BETWEEN TYPICAL DETAILS, PROJECT SECTIONS, AND/OR DETAILS, THE MOST STRINGENT CONDITION SHALL APPLY.
7. 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.
8. ROOFTOP EQUIPMENT ANCHORAGE & OUTDOOR RACK MOUNTED EQUIPMENT ANCHORAGE. ALL ROOF TOP 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 AND ENGINEERED BY 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.
9. ALLOWANCES FOR THIS PROJECT:
   A. 100 CUBIC YARDS OF 4,000 PSI STRUCTURAL CONCRETE.
   B. 10 TONS REINFORCED STEEL.
   C. 10 TONS STRUCTURAL STEEL FRAMING.
      - CONTRACTOR SHALL GIVE CREDIT TO OWNER FOR ANY UNUSED PORTION OF THIS ALLOWANCE AT THE END OF THE PROJECT.

CONCRETE AND REINFORCING:

1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI-318-19".
2. 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	METAL DECK TOPPING
3000 PSI	0.52	STONE	SLAB ON GRADE/FOUNDATIONS

3. IN CASE A LIGHT WEIGHT MIX IS SPECIFIED, THE STRENGTH AND WATER CEMENT RATIO SHOULD BE AS INDICATED IN THE TABLE ABOVE.
4. STRUCTURAL LIGHT WEIGHT CONCRETE SHOULD HAVE A DENSITY BETWEEN 90 PCF AND 115 PCF.
5. 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.
6. ALL WELDED WIRE FABRIC (W.W.F.) IN FLAT SHEETS ONLY AND SHALL CONFORM TO ASTM A1064.
7. 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.
8. CONCRETE COVER FOR REINFORCING BARS SHOWN IN TYPICAL DETAILS.
9. UNLESS NOTED, TEMPERATURE REINFORCING (ASTM A-615-60) TO BE 0.0018 X CONCRETE AREA.
10. 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.
11. 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.
12. ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED JUST BEFORE PLACING NEW CONCRETE IN ACCORDANCE WITH THE BUILDING CODE.
13. FOR CHAMFER OF EXPOSED CORNERS OF BEAMS AND/OR COLUMNS, SEE ARCHITECTURAL DRAWINGS.
14. CONTRACTOR SHALL COORDINATE PLACEMENT OF, OR BOX OUT FOR, ALL PIPE SLEEVES, OPENINGS, ETC, REQUIRED FOR VARIOUS TRADES.
15. 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.
16. SEE ARCHITECTURAL DRAWINGS FOR DETAILS OF FLASHING REGLETS, FASCIA DETAILS, ETC.
17. 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.
18. 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.
19. 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.
20. WATER REDUCING ADMIXTURE SHALL CONFORM TO THE ASTM C-494, TYPE A, AND SHALL BE USED IN ALL CONCRETE.
21. AIR ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260. AIR CONTENT OF CONCRETE SHALL BE USED AS FOLLOWS:
   A. FOR CONCRETE EXPOSED TO SOIL AND/OR WEATHER, 5%.
   B. FOR INTERIOR WALLS, COLUMNS, AND SLABS, 3%.
22. FLY ASH - ASTMC618, TYPE C OR TYPE F SHOULD BE USED BUT NOT TO EXCEED 20% CEMENTITIOUS CONTENT.
23. 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.
24. UNLESS NOTED IN PROJECT SPECIFICATIONS, A TESTING LAB SHOULD PERFORM THE FOLLOWING TEST:
   - ATTENDANCE AT THE PROJECT SITE DURING ALL CONCRETE PLACING OPERATIONS.
   - CONTROL THE ADDITION OF MIXING WATER TO MAINTAIN THE REQUIRED WATER/CEMENT RATIO AND INDICATED IN THE REPORT ANY ADDED WATER TO THE MIX AND THE LOCATION OF PLACEMENT.
   - ENSURE THAT THE CONCRETE IS OF THE PROPER TEMPERATURE WHEN PLACED.
   - AIR CONTENT TESTS - AT LEAST TWO TESTS SHALL BE MADE FOR EACH DAY'S PLACING OR FROM EACH BATCH OF CONCRETE FROM WHICH CYLINDERS ARE CAST.
   - SLUMP TESTS - AT FREQUENT INTERVALS TO PROPERLY CONTROL THE CONSISTENCY AND AT LEAST ONE AT THE TIME OF CASTING EACH GROUP OF CYLINDERS AND AT LEAST ONE TEST FOR EVERY 25 CUBIC YARDS.
   - CONCRETE COMPRESSION CYLINDERS SHALL BE TAKEN FROM THE CONCRETE OF EACH STRENGTH PLACED ON ANY ONE DAY AT LEAST ONE SET OF FIVE REPRESENTATIVE 6" X 12" TEST CYLINDERS. FOR LARGE PLACEMENTS ON ANY ONE DAY, THERE SHALL BE TAKEN NOT LESS THAN ONE SET OF FIVE REPRESENTATIVE TYPE CYLINDERS FOR EACH 100 CUBIC YARDS OF CONCRETE OF EACH STRENGTH PLACED. TWO CYLINDERS ARE TO BE TESTED AT 7 DAYS, TWO AT THE AGE OF 28 DAYS, AND THE FIFTH CYLINDER IN RESERVE FOR FURTHER TESTING. ASCERTAIN THAT THE TEST SPECIMENS ARE PROPERLY PROTECTED UNTIL SHIPPED TO THE TESTING LABORATORY. RECORD AND IDENTIFY EACH CYLINDER WITH THE LOCATION OF THE CONCRETE FROM WHICH THE SPECIMEN WAS TAKEN. KEEP MARKING IN SEQUENCE.

FOUNDATION NOTES:

1. FOUNDATIONS FOR THIS PROJECT HAVE BEEN DESIGNED ASSUMING THE SOIL IS SUITABLE TO SUPPORT 5000 PSF SPREAD FOOTINGS WITH SETTLEMENT NOT TO EXCEED 1/2". CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER TO DO A SOIL EXPLORATION PER THE GEOTECHNICAL REPORT PROVIDED BY THE PACIFICA ENGINEERING SERVICES DATED FEBRUARY 18,2026. THE STRUCTURE CAN BE PLACED ON SHALLOW FOUNDATIONS WITH CHEMICAL OR COMPACTION GROUTING PER SECTION 4.3. THE SPECIALTY CONTRACTOR SHOULD PROVIDE S&S SHOP DRAWINGS AND CALCULATION PERFORM THE GROUND IMPROVEMENT AND VERIFY ASSUMED SOIL CAPACITY. PROVIDE TEST REPORTS TO EOR WITH THE RESULTS OF THE BEARING CAPACITY AFTER GROUND IMPROVEMENT. IF SOIL BEARING CAPACITY IS LESS THAN 5000 PSF RE EVALUATION OF FOUNDATIONS WILL BE REQUIRED. THESE REQUIREMENTS MAYBE MODIFIED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER.
2. FILL AND SUBGRADE PREPARATION SHALL BE AS NEEDED TO OBTAIN THE SAFE BEARING PRESSURE INDICATED ON NOTE 1. ALL ORGANICS AND UNSUITABLE SOIL SHOULD BE REMOVED. A MINIMUM OF 98% OMPACTION MUST BE OBTAINED UNLESS GEOTECHNICAL ENGINEER RECOMMENDATIONS ALLOW FOR A LOWER PERCENT OF COMPACTION.
3. ALL COLUMN FOOTINGS SHALL BE CENTERED UNDER COLUMN CENTERLINES UNLESS OTHERWISE NOTED.
4. 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.
5. 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 GRADE (U.N.O.).
6. FOR FOUNDATIONS SIZE AND REINFORCING SEE SCHEDULE.
7. FOR ALL CONTINUOUS FOOTINGS PROVIDE STANDARD ACI 90 DEGREE HOOKS FOR ALL TRANSVERSE BARS AND ENDS OF LONGITUDINAL BARS. PROVIDE CORNER BARS AT ALL TURNS AND INTERSECTIONS, LEG LENGTH TO BE DEVELOPMENT LENGTH EACH SIDE.
8. FOR ALL PAD FOOTINGS PROVIDE STANDARD ACI 90 DEGREE HOOKS FOR ALL FOUNDATION REINFORCING, TYPICAL UNLESS NOTED OTHERWISE.
9. FOUNDATIONS AND SLAB-ON-GRADE REINFORCING SHALL BE PROPERLY SUPPORTED AND TIED TOGETHER TO MINIMIZE MOVEMENT DURING CONCRETE PLACEMENT. SUPPORT CHAIRS SHALL INCLUDE SAND PLATES OR PRECAST CONCRETE BAR SUPPORTS WITH A DIMENSION OF 4 INCHES SQUARE BY 3 INCHES DEEP. THESE SUPPORTS MUST HAVE A COMPRESSIVE STRENGTH EQUAL TO OR GREATER THAN THE SPECIFIED CONCRETE COMPRESSIVE STRENGTH OF THE FOUNDATION, AND MUST BE THICK ENOUGH TO MAINTAIN THE REINFORCEMENT AT THE PROPER ELEVATION WHILE ENSURING THE REQUIRED MINIMUM CONCRETE COVER IS ACHIEVED. IF PRECAST CONCRETE ARE USED TO SUPPORT THE REINFORCEMENT, COMPRESSIVE STRENGTH TEST RESULTS MUST BE SUBMITTED AND APPROVED PRIOR TO THE START OF ANY FOUNDATION CONSTRUCTION. FOR PURPOSES OF THIS NOTE, REINFORCEMENT REFERS ONLY TO DEFORMED BARS. POST-TENSIONING CABLES SHALL NOT BE SUPPORTED ON PRECAST CONCRETE BAR SUPPORTS AND MUST BE SUPPORTED EXCLUSIVELY WITH APPROPRIATE CHAIRS.
10. USE OF EARTHCUTS AS VERTICAL FORMS REQUIRED AN INCREASE OF THE CLEAR COVER SPECIFIED BY 1 INCH.
11. ELEVATOR PIT DIMENSIONS = VERIFY WITH ELEVATOR MANUFACTURERS APPROVED SHOP DRAWINGS.
12. WATER PROOFING MATERIALS SHALL BE PROVIDED ON ALL SIDES AND BOTTOM OF ELEVATOR CORE AND ESCALATOR PIT.
13. TERMINATION PROTECTION INCLUDING PIPING SLEEVES MUST FOLLOW THE REQUIREMENTS OF SECTIONS 1816.1 AND 1816.2 OF THE FLORIDA BUILDING CODE, 8TH EDITION, 2023.

MASONRY:

1. DESIGN AND CONSTRUCTION SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES TMS 402-33.
2. MINIMUM INCREMENTAL COMPRESSIVE STRENGTH OF BLOCK ASSEMBLY SHALL BE 2000 P.S.I. (f'm) MORTAR FOR MASONRY SHALL BE TYPE "S" OR "M".
3. 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.
4. FILL ALL CELLS AS REQUIRED WITH 3000 P.S.I. GROUT. SLUMP SHALL BE 8 TO 11 INCHES. SUBMIT DESIGN MIX FOR APPROVAL.
5. MINIMUM HORIZONTAL JOINT REINFORCING SHALL BE 9 GAUGE 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 6").
6. MINIMUM VERTICAL REINFORCING SHALL BE (1)-#5 @ 48" OR (1)-#4 @ 32" O.C., (U.N.O.). FOR 8" CMU CENTERED IN BLOCK.
7. PROVIDE ADDITIONAL VERTICAL REINFORCING BAR AT EVERY CORNER, INTERSECTION, CONTROL JOINT , AND OPENING EDGES (U.N.O.).
8. MINIMUM SPLICE FOR VERTICAL REINFORCING IS SHOWN IN DETAIL 4-023, SPLICE FOR HORIZONTAL JOINT REINFORCING = 6".
9. WALLS ARE DESIGNED TO BE BRACED BY FLOOR OR ROOF MEMBERS, CONTRACTOR SHALL PROVIDE TEMPORARY BRACING DURING CONSTRUCTION.
10. ALL CELLS BELOW FIRST FLOOR FINISHED ELEVATION MUST BE FULLY GROUT FILLED.
11. 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.
12. ALL MASONRY BEARING 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.

STRUCTURAL STEEL:

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

WIDE FLANGE (WF)	ASTM A992 (50 KSI)
SHAPES (L,T,C,PL)	ASTM A36
STRUCTURAL TUBE (HSS)	ASTM A500 (46 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

3. 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).
4. INSTALLATION AND TIGHTENING OF ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
5. 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 SPECIFICALLY APPROVED BY THE ENGINEER.
6. 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.
7. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE, AWS D1.1, ALL WELDING SHALL BE PERFORMED USING E70XX U.N.O.
8. CUTS, HOLES, COPINGS, ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN IN THE STRUCTURAL STEEL SHOP DRAWINGS AND SHALL BE MADE IN THE SHOP. HOLES SHALL BE REINFORCED AS REQUIRED BY THE ENGINEER.
9. BURNING OF HOLES, CUTS, ETC. IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED, EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER.
10. ALL STEEL MEMBERS (SUCH AS BEAMS, COLUMNS, PLATES, BOLTS, LINTELS, DOOR JAMBS, ETC.) EXPOSED TO WEATHER AND ALL MEMBERS IN AN EXTERIOR ENCLOSED NON-AIR-CONDITIONED AREA, SHALL BE HOT DIPPED GALVANIZED.
11. FOR MISCELLANEOUS STEEL, SEE ARCHITECTURAL DRAWINGS.
12. ANY STEEL MEMBERS REQUIRED BY THE ELECTRICAL OR MECHANICAL TRADES FOR THE SUPPORT OF THEIR EQUIPMENT, WHICH ARE NOT SHOWN ON ARCHITECTURAL OR STRUCTURAL DRAWINGS, SHALL BE PROVIDED BY THE TRADE REQUIRING SUCH SUPPORT.
13. SEE SPECIFICATIONS FOR PAINTING OF STRUCTURAL STEEL. ALL FABRICATION AND ERECTION SHALL BE PERFORMED DURING FIELD TOUCH-UP PAINTING.
14. ALL CONNECTIONS TO BE DOUBLE ANGLE FRAMED BEAM CONNECTION PER AISC UNLESS NOTED OTHERWISE. ALL BOLTS TO BE 3/4" MINIMUM DIAMETER UNLESS NOTED OTHERWISE. SHOP CONNECTIONS MAY BE WELDED OR BOLTED. WELDS ARE TO BE EQUAL IN STRENGTH TO BOLTS.
15. DESIGN CONNECTIONS FOR HALF THE MAXIMUM SHEAR (V IN KIPS) LISTED IN THE TABLE IN "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 SHALLCONSIST OF TWO 3/4"Ø A325 BOLTS. REACTIONS SHOWN ARE BASED ON UNFACTORED LOADS. PROVIDE SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY A PROFESSIONAL ENGINEER.
16. DESIGN BASE PLATE ANCHOR BOLTS FOR LATERAL MEMBERS USING FORCES INDICATED ON DRAWINGS. PROVIDE SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY A PROFESSIONAL ENGINEER.
17. 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.
18. EXPOSED ENDS OF STRUCTURAL TUBES OR PIPES SHALL BE CAPPED WITH A MINIMUM 1/4" PLATE U.N.O.
19. ALL WELDS SHALL BE VISUALLY INSPECTED AND COMPLIANT WITH AWS D1.1 ACCEPTANCE CRITERIA. ALL COMPLETE JOINT PENETRATION WELDS SHALL BE TESTED FOR THEIR FULL LENGTH BY MEANS OF AN APPROVED NONDESTRUCTIVE TEST IN ACCORDANCE WITH AWS D1.1.

STEEL JOIST:

1. STEEL JOIST CONSTRUCTION SHALL CONFORM TO THE LATEST SPECIFICATIONS OF, AND THE JOISTS SHALL BE APPROVED BY, THE STEEL JOIST INSTITUTE.
2. 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.
3. ALL JOISTS BEARING ON BEAMS SHALL BE WELDED OR BOLTED TO THOSE BEAMS.
4. 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.).
5. ALL BRIDGING SHALL BE PROVIDED AND INSTALLED BY JOIST SUPPLIER.
6. ALL CLIPS AND CONNECTIONS SHALL BE SHOP WELDED.
7. NO FIELD WELDING TO BAR JOISTS EXCEPT ITEMS SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS SHALL BE ALLOWED WITHOUT SPECIFIC PERMISSION FROM THE ENGINEER.
8. NO JOIST SHALL BE FIELD SPLICED.
9. MAXIMUM DEFLECTION OF STEEL JOISTS = L/360 FOR LIVE LOAD.
10. FOR PAINTING OF STEEL JOIST, SEE SPECIFICATIONS.
11. 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.
12. 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.
13. 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.
14. FOR SPECIFIC JOIST ENDS, SEE ROOF SECTIONS.
15. 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.
16. JOIST SHALL NOT BE FABRICATED USING ELECTRICAL RESISTANCE WELDING.

COMPOSITE METAL FLOOR DECK:

1. STEEL FLOOR DECK SHALL BE AS SPECIFIED IN THE FLOOR FRAMING NOTES ON THE FLOOR PLAN.
2. ALL STEEL FLOOR DECK SHALL BE GALVANIZED G90.
3. ALL STEEL FLOOR DECK SHALL BE CAPABLE OF SUPPORTING ALL CONSTRUCTION LOADS.
4. ALL STEEL FLOOR DECK SHALL BE CONTINUOUS OVER FOUR OR MORE STRUCTURAL SUPPORTS (I.E. DECK SHOULD BE DETAILED FOR A THREE SPAN CONDITION).
5. 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.
6. 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.
7. 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.
8. ANY ELECTRICAL WORK WEIGHING MORE THAN 5 PSF OR 50 LBS 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.
9. METAL DECK CONTRACTOR TO PROVIDE 18 GAUGE RIDGE PLATE, VALLEY PLATE, EDGE STRIP, ETC., AS REQUIRED.
10. 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.
11. CUT OUT METAL DECK WHERE BOLT PROJECTIONS INTERFERE WITH METAL DECK.
12. DIRECTION OF METAL DECK SHOWN THUS ◄——► ON PLAN.

STEEL ROOF DECK:

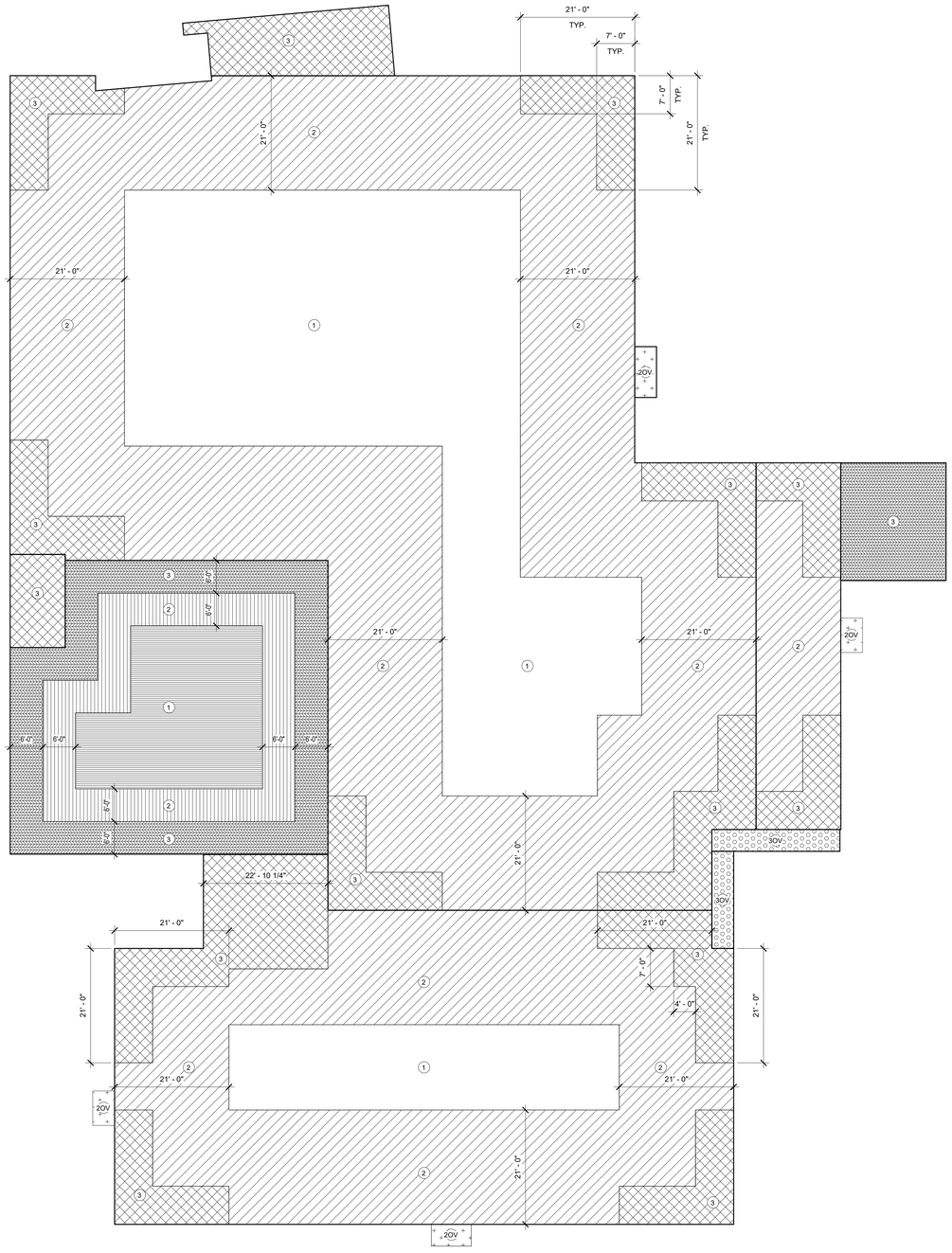
1. STEEL ROOF DECK SHALL BE A MINIMUM OF 1-1/2" - 20 GAUGE WIDE RIB FOR SPANS UP TO 6'-0" OR 3" TYPE N - 20 GAUGE FOR SPANS UP TO 12'-0" , THE SIZE, TYPE AND GAUGE INDICATED ABOVE SHOULD BE USED UNLESS A DIFFERENT ONE IS INDICATED IN THE ROOF FRAMING NOTES OF THE ROOF PLAN DRAWING.
2. ALL STEEL ROOF DECK SHALL BE GALVANIZED G90 AS PER ASTM SPECIFICATIONS. ALL ROOF DECK SHOULD BE VENTED WHEN A LIGHT WEIGHT INSULATING CONCRETE IS USED FOR ROOFING.
3. ALL STEEL ROOF DECK SHALL BE CAPABLE OF SUPPORTING ALL CONSTRUCTION LOADS.
4. ALL STEEL ROOF DECK SHALL BE CONTINUOUS OVER FOUR OR MORE STRUCTURAL SUPPORTS (I.E. DECK SHOULD BE DETAILED FOR A THREE SPAN CONDITION.)
5. STEEL ROOF DECK SHALL HAVE NESTING SIDE LAPS (ATTACHED BY MECHANICAL MEANS). PROVIDE FASTENER LAYOUT AS PER TYPICAL DETAIL 5-305.
6. 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.
7. 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.
8. ANY ELECTRICAL WORK WEIGHING MORE THAN 5 PSF OR 50 LBS CONCENTRATED SHALL BE HUNG FROM STEEL BEAMS/JOISTS ONLY. FOR HANGERS, SEE SPECIFICATIONS. ALL MECHANICAL WORK AND PIPING SHALL BE HUNG FROM STEEL BEAMS/JOISTS.
9. METAL DECK CONTRACTOR TO PROVIDE 18 GAUGE RIDGE PLATE, VALLEY PLATE, EDGE STRIP, ETC., AS REQUIRED.
10. 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.
11. CUT OUT METAL DECK WHERE BOLT PROJECTIONS INTERFERE WITH METAL DECK.
12. DIRECTION OF METAL DECK SHOWN THUS ◄——► ON PLAN.

LIGHTGAUGE METAL FRAMING:

1. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERIC

WIND DESIGN DATA AND LOAD SCHEDULE
S-102

0"
1"



N
WIND DESIGN - ROOF PLAN
SCALE: 3/32" = 1'-0"

STEEL FLOOR FRAMING

FLOOR LOAD SCHEDULE

FLOOR FRAMING DEAD LOAD		
3" COMPOSITE 20 GAGE DECK W/ 3 1/2" REGULAR WEIGHT CONC. TOPPING OVER BEAMS SPACED AT MAX 10'-0" APART TOTAL THICKNESS 6 1/2" - REINF. W/ WWF 6X6XW2.1XW2.2	63.0	PSF
STEEL FRAMING	5.0	PSF
MECHANICAL DUCT ALLOWANCE	4.0	PSF
ELECTRICAL	2.0	PSF
PLUMBING	3.0	PSF
FIRE SPRINKLERS	3.0	PSF
CEILING (5/8" DRYWALL)	3.0	PSF
VINYL FLOORING	1.0	PSF
MISCELLANEOUS	2.0	PSF
TOTAL SUPERIMPOSED DEAD LOAD - FLOOR FRAMING	23.0	PSF
TOTAL DEAD LOAD - FLOOR FRAMING	86.0	PSF
ADDT'L DEAD LOAD FOR KITCHEN AND BATHROOMS	20.0	PSF
TOTAL DEAD LOAD - FLOOR FRAMING FOR KITCHEN AND BATHROOM AREAS	106.0	PSF
FLOOR FRAMING LIVE LOAD		
CLASSROOMS	40.0	PSF
CORRIDORS	80.0	PSF
STAIRS	100.0	PSF
STORAGE LIGHT	125.0	PSF
MECHANICAL EQUIPMENT	150.0	PSF
PARTITIONS	15.0	PSF

STEEL ROOF FRAMING

ROOF LOAD SCHEDULE

ROOF FRAMING DEAD LOAD		
STEEL JOISTS / STRUCTURAL FRAMING	5.0	PSF
ROOF METAL DECK	3.0	PSF
ROOFING AND INSULATION	12.0	PSF
MECHANICAL DUCT ALLOWANCE	4.0	PSF
ELECTRICAL	2.0	PSF
PLUMBING	3.0	PSF
FIRE SPRINKLERS	3.0	PSF
CEILING (5/8" DRYWALL)	3.0	PSF
MISCELLANEOUS	3.0	PSF
TOTAL DEAD LOAD - ROOF FRAMING	38.0	PSF
DEAD LOAD FOR UPLIFT CALCULATION	8.0	PSF
ROOF FRAMING LIVE LOAD		
FLAT ROOF LIVE LOAD	30.0	PSF

WIND DESIGN DATA:

CODE:
FLORIDA BUILDING CODE, 2023 (8th Ed.) ASCE/SEI 7-22

BASIC WIND SPEED	180 mph (Vult) 140 mph (Vasd)
CATEGORY (RISK)	III
EXPOSURE	C
BUILDING HEIGHT	35ft.
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 2023 SEC. 1609.1.2

MAIN BUILDING- ROOF
COMPONENTS AND CLADDING (ULTIMATE) PRESSURE SCHEDULE

PATTERN	ZONE	EFFECTIVE WIND AREA					
		10 sf	20 sf	50 sf	100 sf	200 sf	500 sf
	1	+35 PSF/-134PSF	+32 PSF/-125PSF	+30 PSF/-114PSF	+28 PSF/-105PSF	+28 PSF/-96PSF	+28 PSF/-84PSF
	2	+35 PSF/-177PSF	+32 PSF/-166PSF	+30 PSF/-151PSF	+28 PSF/-139PSF	+28 PSF/-128PSF	+28 PSF/-113PSF
	3	+35 PSF/-241PSF	+32 PSF/-218PSF	+30 PSF/-188PSF	+28 PSF/-166PSF	+28 PSF/-143PSF	+28 PSF/-113PSF
	2ov	-177 PSF	-162 PSF	-142 PSF	-127 PSF	-112 PSF	-92 PSF
	3ov	-241 PSF	-215 PSF	-180 PSF	-153 PSF	-127 PSF	-92 PSF

MAIN BUILDING - WALLS
COMPONENTS AND CLADDING (ULTIMATE) PRESSURE SCHEDULE

PATTERN	ZONE	EFFECTIVE WIND AREA					
		10 sf	20 sf	50 sf	100 sf	200 sf	500 sf
	4	+77 PSF/-84PSF	+74 PSF/-80PSF	+69 PSF/-76PSF	+66 PSF/-72PSF	+63 PSF/-69PSF	+58 PSF/-65PSF
	5	+77 PSF/-103PSF	+74 PSF/-96PSF	+69 PSF/-87PSF	+66 PSF/-80PSF	+63 PSF/-74PSF	+58 PSF/-65PSF
	4p	+78 PSF/-244PSF	+75 PSF/-221PSF	+70 PSF/-191PSF	+67 PSF/-168PSF	+63 PSF/-145PSF	+59 PSF/-114PSF
	5p	+78 PSF/-244PSF	+75 PSF/-221PSF	+70 PSF/-191PSF	+67 PSF/-168PSF	+63 PSF/-145PSF	+59 PSF/-114PSF

MONOSLOPE CANOPY - ROOF
COMPONENTS AND CLADDING (ULTIMATE) UPLIFT PRESSURE SCHEDULE

PATTERN	ZONE	EFFECTIVE WIND AREA					
		10 sf	20 sf	50 sf	100 sf	200 sf	500 sf
	1	+39 PSF/-87PSF	+39 PSF/-87PSF	+39 PSF/-87PSF	+39 PSF/-87PSF	+39 PSF/-87PSF	+39 PSF/-87PSF
	2	+60 PSF/-131PSF	+60 PSF/-131PSF	+60 PSF/-131PSF	+60 PSF/-131PSF	+39 PSF/-87PSF	+39 PSF/-87PSF
	3	+77 PSF/-260PSF	+77 PSF/-260PSF	+60 PSF/-131PSF	+60 PSF/-131PSF	+39 PSF/-87PSF	+39 PSF/-87PSF

NOTE:

1. ALL EXTERIOR DOORS & WINDOW ASSEMBLIES SHALL SATISFY THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (EIGHTH EDITION 2023, SECTION 1709.5). ALL CONNECTIONS TO BUILDING STRUCTURE SHALL HAVE THE CAPACITY TO WITHSTAND THE PRESSURES INDICATED ON SCHEDULES.
2. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
3. ALL WIND PRESSURE VALUES INDICATED ARE IN POUNDS PER SQUARE FOOT (PSF). MULTIPLY ULTIMATE WIND PRESSURE BY 0.60 FOR ASD PRESSURE.
4. FOR NET UPLIFT CALCULATION, THE WEIGHT OF THE STRUCTURAL MEMBER AND THE STRUCTURAL DECK SUPPORTED ARE THE ONLY TWO LOADS THAT CAN BE DEDUCTED FROM THE UPLIFT PRESSURES INDICATED ON SCHEDULES.
5. ZONE #p REPRESENTS WIND PRESSURES AT THE PARAPETS

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
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CA: 8426 PROJ NO. 1413-221-31

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, EIGHTH EDITION 2023, ACI 318-19 AND LOCAL CODES AS APPLICABLE

HB ESTIMATING REC'D 06.01.2026

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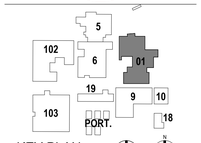
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5162500045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	MARTIN COUNTY SCHOOL DISTRICT
DATE	2026/05/25
PROJECT NUMBER	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

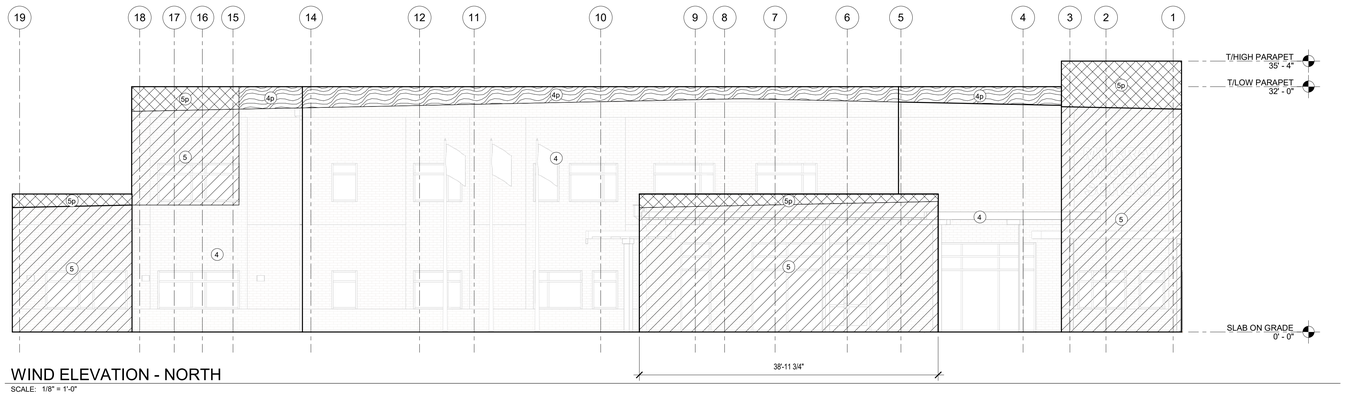
WIND DESIGN DATA AND LOAD SCHEDULE

S-102

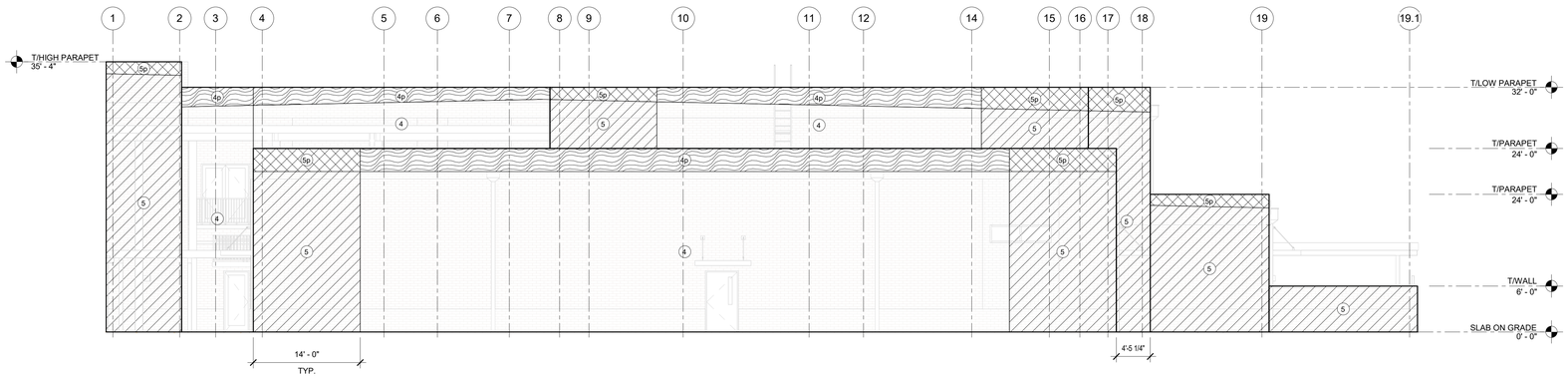
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WIND ELEVATIONS
S-103

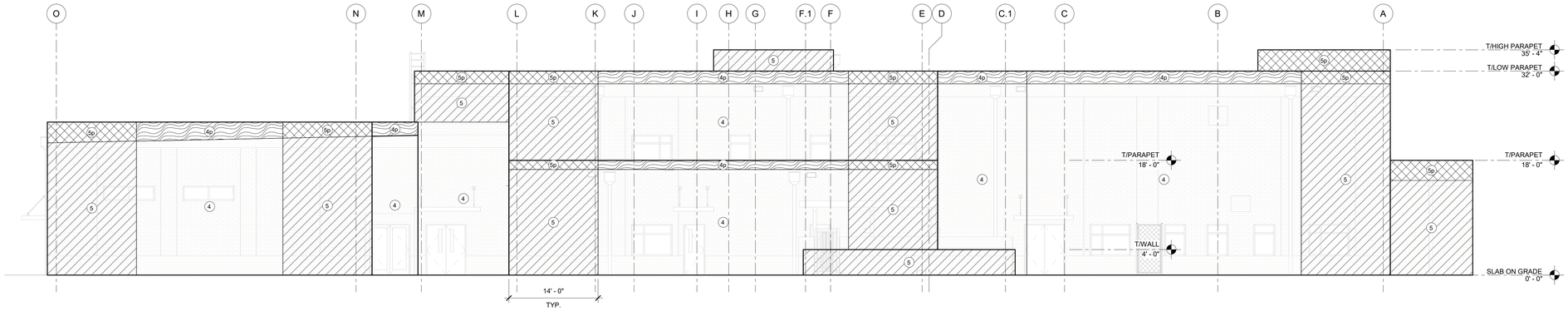
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1"



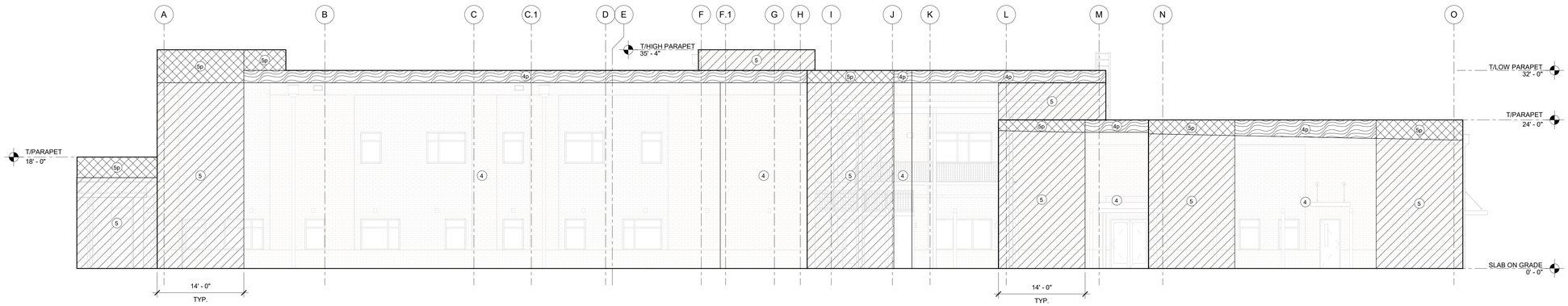
WIND ELEVATION - NORTH
SCALE: 1/8" = 1'-0"



WIND ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"



WIND ELEVATION - EAST
SCALE: 1/8" = 1'-0"



WIND ELEVATION - WEST
SCALE: 1/8" = 1'-0"

MAIN BUILDING - WALLS							
COMPONENTS AND CLADDING (ULTIMATE) PRESSURE SCHEDULE							
PATTERN	ZONE	EFFECTIVE WIND AREA					
		10 sf	20 sf	50 sf	100 sf	200 sf	500 sf
	4	+77 PSF/-84PSF	+74 PSF/-80PSF	+69 PSF/-76PSF	+66 PSF/-72PSF	+63 PSF/-69PSF	+58 PSF/-65PSF
	5	+77 PSF/-103PSF	+74 PSF/-96PSF	+69 PSF/-87PSF	+66 PSF/-80PSF	+63 PSF/-74PSF	+58 PSF/-65PSF
	4p	+78 PSF/-244PSF	+75 PSF/-221PSF	+70 PSF/-191PSF	+67 PSF/-168PSF	+63 PSF/-145PSF	+59 PSF/-114PSF
	5p	+78 PSF/-244PSF	+75 PSF/-221PSF	+70 PSF/-191PSF	+67 PSF/-168PSF	+63 PSF/-145PSF	+59 PSF/-114PSF

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5. ZONE #p REPRESENTS WIND PRESSURES AT THE PARAPETS

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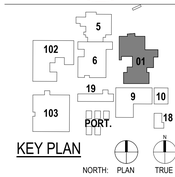
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
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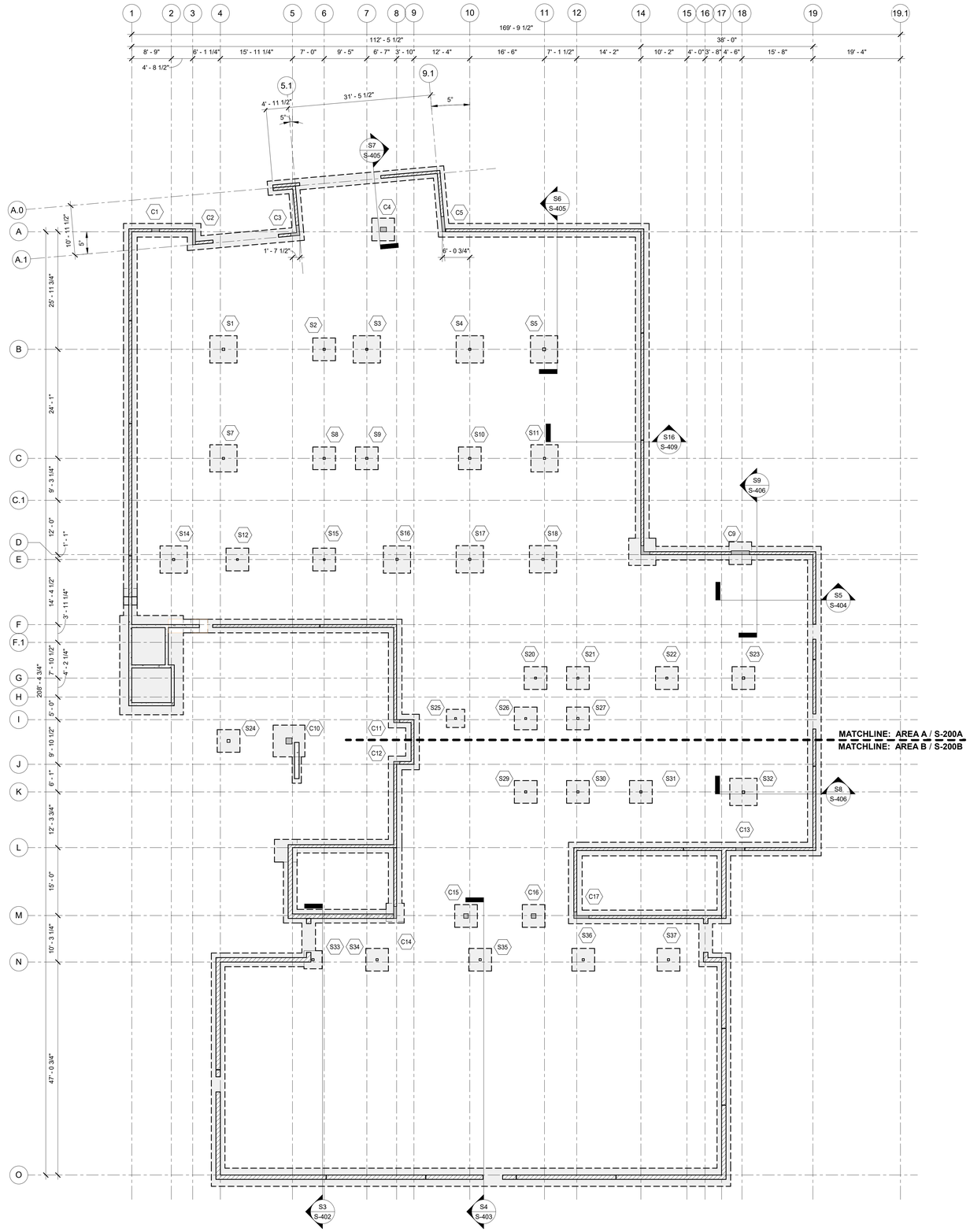
WIND ELEVATIONS

S-103

Plot Stamp:
28/05/2026 2:38:01 am

HB ESTIMATING REC'D 06.01.2026

OVERALL FOUNDATION PLAN
S-200



N
OVERALL FOUNDATION PLAN
SCALE: 3/32" = 1'-0"

MURRAY MIDDLE SCHOOL MODERNIZATION

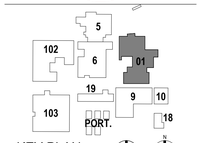
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CLIENT PROJECT NUMBER: PO4516260045

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561-478-4457

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

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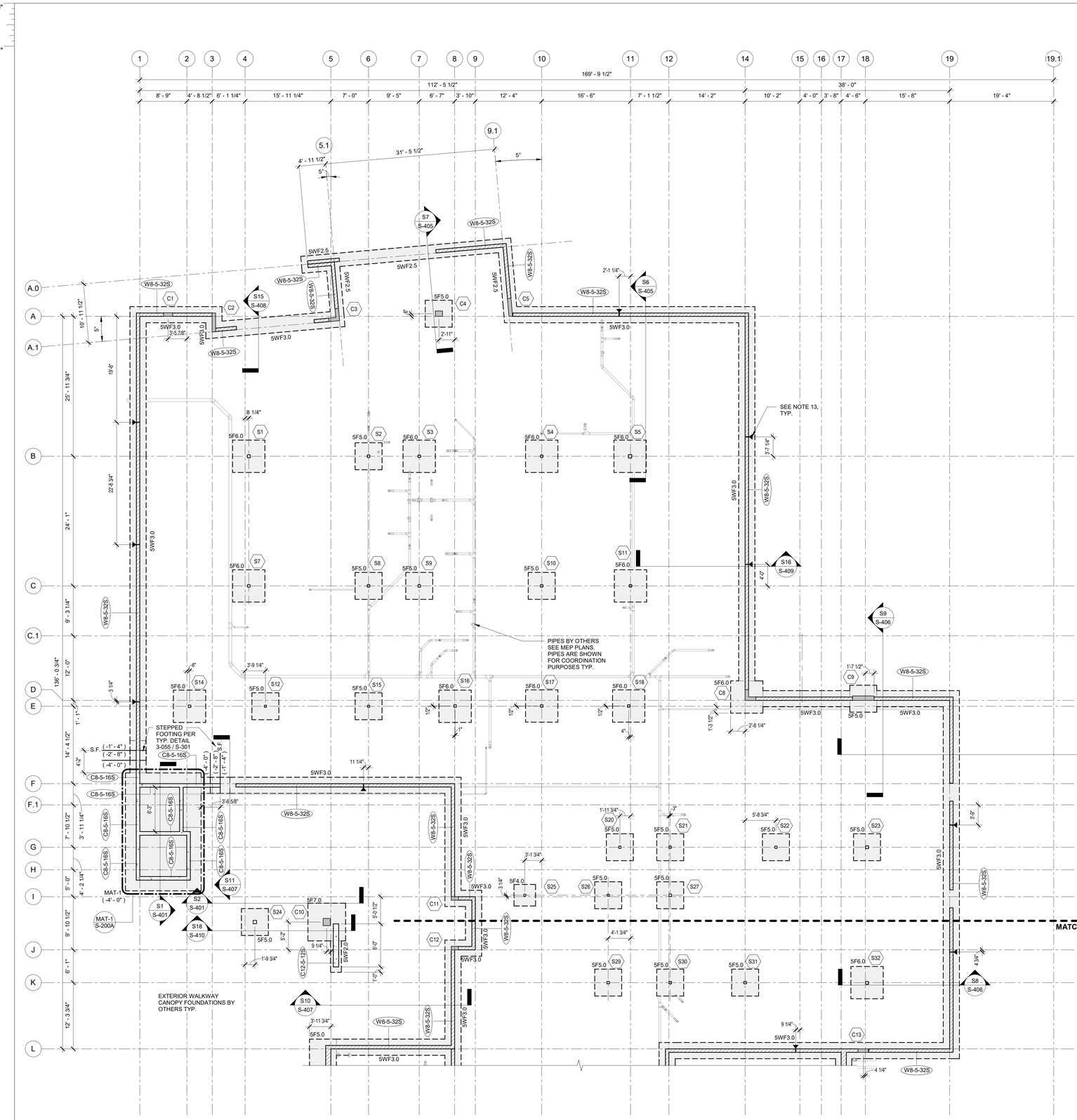
OVERALL FOUNDATION PLAN

S-200

Plot Stamp:
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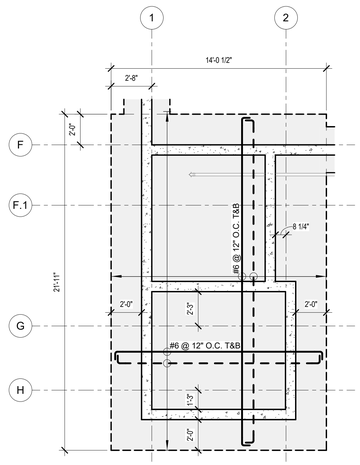
HB ESTIMATING REC'D 06.01.2026

FOUNDATION PLAN - AREA A
S-200A



N

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



MAT-1 / S-200A MAT-1 ENLARGEMENT (1'-6" THK)
SCALE: 1/4" = 1'-0"

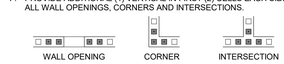
NOTE: FOUNDATIONS WERE DESIGNED FOR 5000 PSF SOIL BEARING CAPACITY. TO BE VERIFIED BY THE GC.

WALL LEGEND:

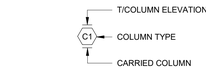
- CONCRETE MASONRY UNIT (CMU)
- CONCRETE

FOUNDATION PLAN NOTES:

1. FOR TYPICAL FOUNDATION PLAN DETAILS, SEE DRAWINGS S-301 TO S-303.
2. FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S-101.
3. FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
4. ( ) DENOTES TOP OF FOOTING ELEVATION.
5. TOP OF FOOTING: ELEVATION @ INTERIOR = (-1' - 4") TYPICAL U.N.O. ELEVATION @ EXTERIOR = (-1' - 4") TYPICAL U.N.O.
6. FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
7. TYPICAL WALL REINFORCING SCHEDULE:
   A. FOR CMU EXTERIOR WALL REINFORCING, SEE SCHEDULE THIS SHEET.
   B. REINFORCING SHOWN ON SCHEDULE IS MINIMUM. SEE NOTES BELOW AND WALL ELEVATIONS FOR ADDITIONAL REINFORCING.
   C. 8" CMU WALLS TO HAVE A SINGLE LAYER OF REINFORCEMENT, U.N.O.
   D. 12" CMU WALLS TO HAVE A DOUBLE LAYER OF REINFORCEMENT (1 BAR AT EACH FACE), U.N.O.
   E. ■ INDICATES ADDITIONAL (1) VERTICAL IN GROUT FILLED CELL.
   F. PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.



8. COLUMN DESIGNATION SHOWN THUS ⬡ ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601.



9. 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".
10. WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.
11. PIER (P1) SHALL BE 24" X 24" REINFORCED WITH (8)-#8 VERTICAL AND #4@ 10"O.C. TIES, PROVIDE 4 EXTRA TIES @ 2" AT TOP OF THE PIER. (NOT USED)
12. < > DENOTES TOP OF PIER ELEVATION. (NOT USED)
13. MASONRY CONTROL JOINT SHOWN THUS ⊣◀ MCJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24'-0". COORDINATE LOCATION WITH THE ARCH. BUILDING ELEVATIONS. CONTROL JOINTS START ABOVE GRADE
14. MCJ SHOWN ON PLAN ARE APPROXIMATE, IT SHOULD BE COORDINATED DURING SHOP DRAWING REVIEW WITH THE GC, EOR, AND AOR BASED ON CMU COURSING , AND MEET THE MINIMUM REQUIREMENTS SHOW IN CONSTRUCTION DOCUMENTS
15. DIMENSIONS ARE TO FACE OF CMU WHERE APPLICABLE
16. FOUNDATIONS SHALL NOT BE EXCAVATED OR CONSTRUCTED BELOW THE BOTTOM ELEVATION OF ANY ADJACENT OR NEARBY EXISTING FOUNDATIONS. CONTRACTOR SHALL MAINTAIN THE STABILITY AND BEARING SUPPORT OF ALL ADJACENT STRUCTURES AT ALL TIMES. IF LOWER FOUNDATION ELEVATIONS ARE REQUIRED, TEMPORARY SHORING, UNDERPINNING, OR OTHER APPROVED SUPPORT SYSTEMS SHALL BE DESIGNED AND IMPLEMENTED PRIOR TO EXCAVATION. ANY SUCH CONDITIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL BEFORE PROCEEDING.

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	TOP REINF. CONT. (2" CLEAR)	BTM REINF. CONT. (3" CLEAR)	TOP & BTM REINF. TRANSV.	REMARKS
5WF2.0	2' - 0"	1' - 4"	(3) #5	(3) #5	#5 @ 10"	STD ACI HOOK
5WF2.5	2' - 6"	1' - 4"	(3) #5	(3) #5	#5 @ 10"	STD ACI HOOK
5WF3.0	3' - 0"	1' - 4"	(4) #5	(4) #5	#5 @ 10"	STD ACI HOOK
5WF4.0	4' - 0"	1' - 4"	(5) #5	(5) #5	#5 @ 10"	STD ACI HOOK
5WF9.0	9' - 0"	2' - 2"	(9) #7	(9) #7	#7 @ 12"	STD ACI HOOK

COLUMN FOOTING SCHEDULE (CENTER ON COLUMN)

MARK*	LENGTH	WIDTH	THICKNESS	TOP & BTM REINF.* EA. WAY U.N.O.	REMARKS
5F4.0	4' - 0"	4' - 0"	1' - 6"	(5)-#5	STD. ACI HOOK
5F5.0	5' - 0"	5' - 0"	1' - 6"	(6)-#5	STD. ACI HOOK
5F6.0	6' - 0"	6' - 0"	1' - 6"	(6)-#6	STD. ACI HOOK
5F7.0	7' - 0"	7' - 0"	1' - 9"	(6)-#7	STD. ACI HOOK
MAT-1	21' - 11"	14' - 0 1/2"	1' - 6"	SEE MAT-1/S-200A ENLARGEMENT	STD. ACI HOOK

* WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.

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MURRAY MIDDLE SCHOOL MODERNIZATION

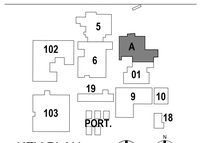
4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: P0516200045

100% CONSTRUCTION DOCUMENTS

MARTIN COUNTY SCHOOL DISTRICT

KEY PLAN



NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
P | 954.210.7671 F | 813.287.3622

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CA: 8426 PROJ NO. 1413-221-31

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, EIGHTH EDITION 2023, ACI 318-19 AND LOCAL CODES AS APPLICABLE

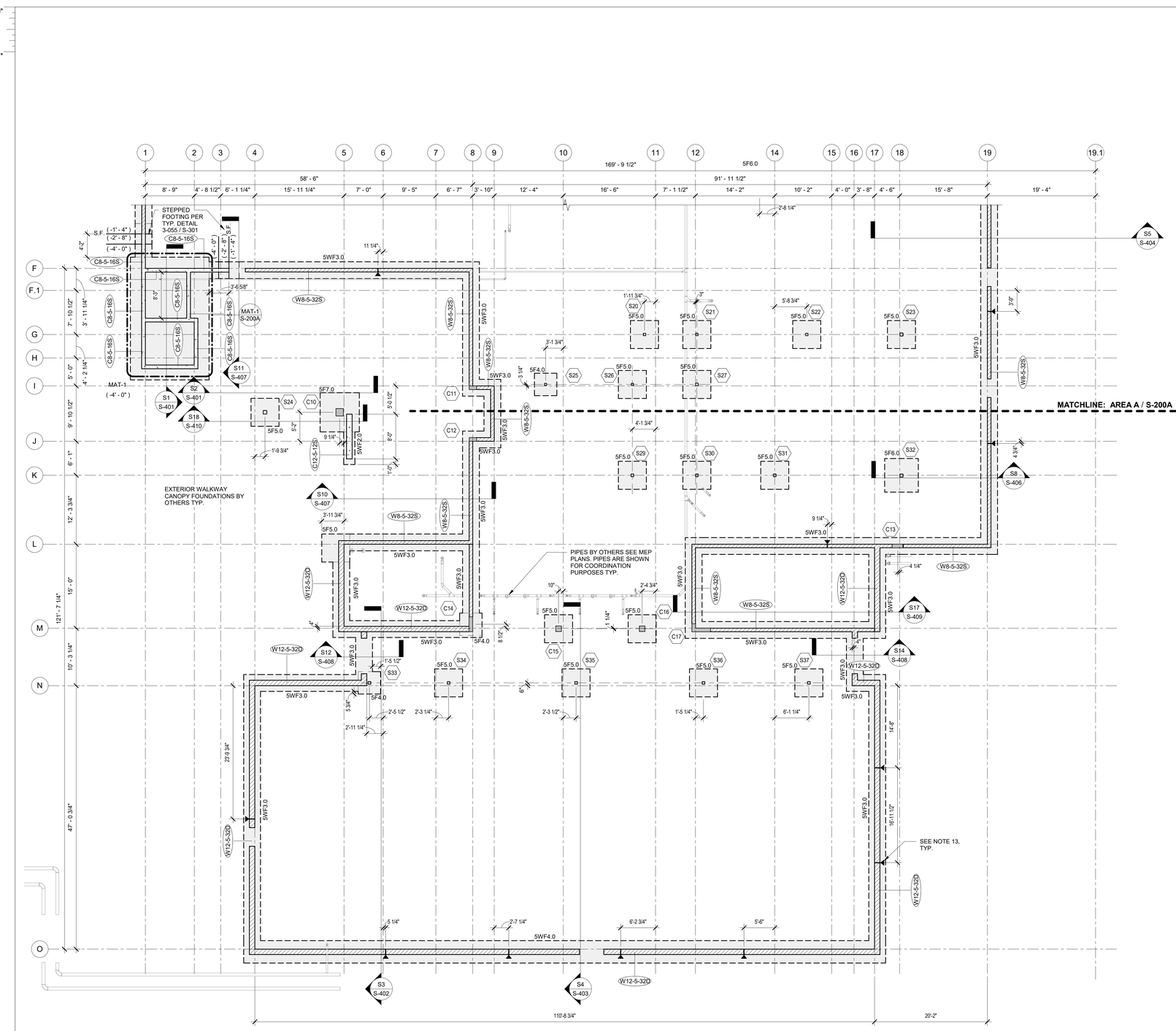
FOUNDATION PLAN - AREA A

S-200A

Plot Stamp:
08/05/2026 2:51:42 am

HB ESTIMATING REC'D 06.01.2026

FOUNDATION PLAN - AREA B
S-200B



N

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

NOTE: FOUNDATIONS WERE DESIGNED FOR 5000 PSF SOIL BEARING CAPACITY. TO BE VERIFIED BY THE GC.

WALL LEGEND:

- CONCRETE MASONRY UNIT (CMU)
- CONCRETE

FOUNDATION PLAN NOTES:

1. FOR TYPICAL FOUNDATION PLAN DETAILS, SEE DRAWINGS S-301 TO S-303.
2. FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S-101.
3. FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
4. ( ) DENOTES TOP OF FOOTING ELEVATION.
5. TOP OF FOOTING: ELEVATION @ INTERIOR = (-1' - 4") TYPICAL U.N.O. ELEVATION @ EXTERIOR = (-1' - 4") TYPICAL U.N.O.
6. FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
7. TYPICAL WALL REINFORCING SCHEDULE:
   A. FOR CMU EXTERIOR WALL REINFORCING, SEE SCHEDULE THIS SHEET.
   B. REINFORCING SHOWN ON SCHEDULE IS MINIMUM. SEE NOTES BELOW AND WALL ELEVATIONS FOR ADDITIONAL REINFORCING.
   C. 8" CMU WALLS TO HAVE A SINGLE LAYER OF REINFORCEMENT, U.N.O.
   D. 12" CMU WALLS TO HAVE A DOUBLE LAYER OF REINFORCEMENT (1 BAR AT EACH FACE), U.N.O.
   E. ■ INDICATES ADDITIONAL (1) VERTICAL IN GROUT FILLED CELL.
   F. PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.



8. COLUMN DESIGNATION SHOWN THUS ⬡ ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S601.



9. 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".
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WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
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C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	TOP REINF. CONT. (2" CLEAR)	BTM REINF. CONT. (3" CLEAR)	TOP & BTM REINF. TRANSV.	REMARKS
5WF2.0	2' - 0"	1' - 4"	(3) #5	(3) #5	#5 @ 10"	STD ACI HOOK
5WF2.5	2' - 6"	1' - 4"	(3) #5	(3) #5	#5 @ 10"	STD ACI HOOK
5WF3.0	3' - 0"	1' - 4"	(4) #5	(4) #5	#5 @ 10"	STD ACI HOOK
5WF4.0	4' - 0"	1' - 4"	(5) #5	(5) #5	#5 @ 10"	STD ACI HOOK
5WF9.0	9' - 0"	2' - 2"	(9) #7	(9) #7	#7 @ 12"	STD ACI HOOK

COLUMN FOOTING SCHEDULE (CENTER ON COLUMN)

MARK*	LENGTH	WIDTH	THICKNESS	TOP & BTM REINF.* EA. WAY U.N.O.	REMARKS
5F4.0	4' - 0"	4' - 0"	1' - 6"	(5)-#5	STD. ACI HOOK
5F5.0	5' - 0"	5' - 0"	1' - 6"	(6)-#5	STD. ACI HOOK
5F6.0	6' - 0"	6' - 0"	1' - 6"	(6)-#6	STD. ACI HOOK
5F7.0	7' - 0"	7' - 0"	1' - 9"	(6)-#7	STD. ACI HOOK
MAT-1	21' - 11"	14' - 0 1/2"	1' - 6"	SEE MAT-1/S-200A ENLARGEMENT	STD. ACI HOOK

* WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.

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CA: 8426 PROJ NO. 1413-221-31

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HB ESTIMATING REC'D 06.01.2026

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561-478-4457

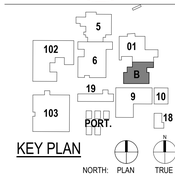
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: P0416200045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN

NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

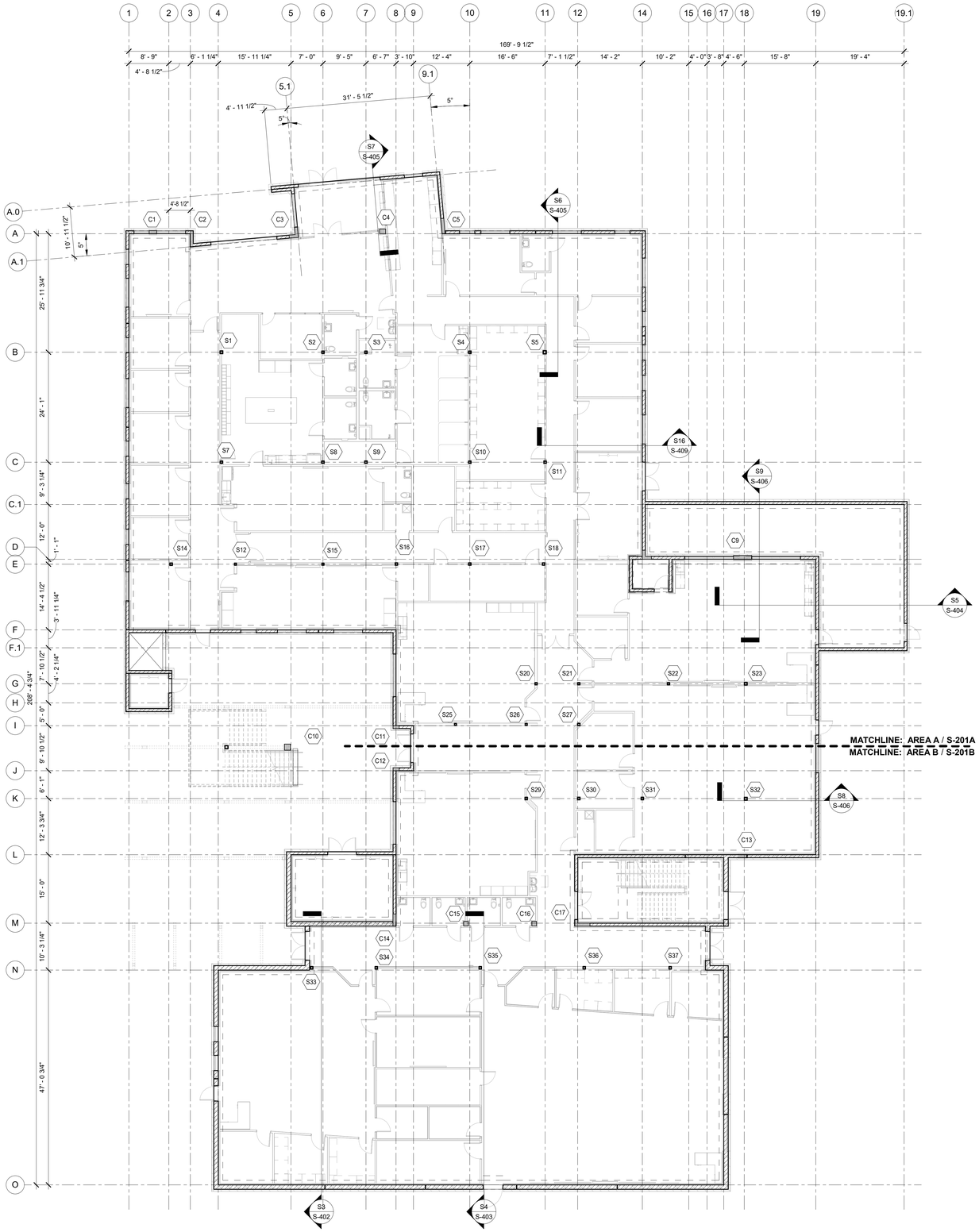
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FOUNDATION PLAN - AREA B

S-200B

Plot Stamp:
28/05/2026 2:38:08 am

OVERALL SLAB ON GRADE PLAN
S-201



N

OVERALL SLAB ON GRADE PLAN
SCALE: 3/32" = 1'-0"

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
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P | 954.210.7671 F | 813.287.3622

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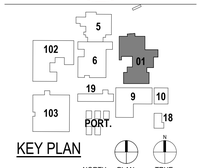
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5162600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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DRAWN BY: AN/DN

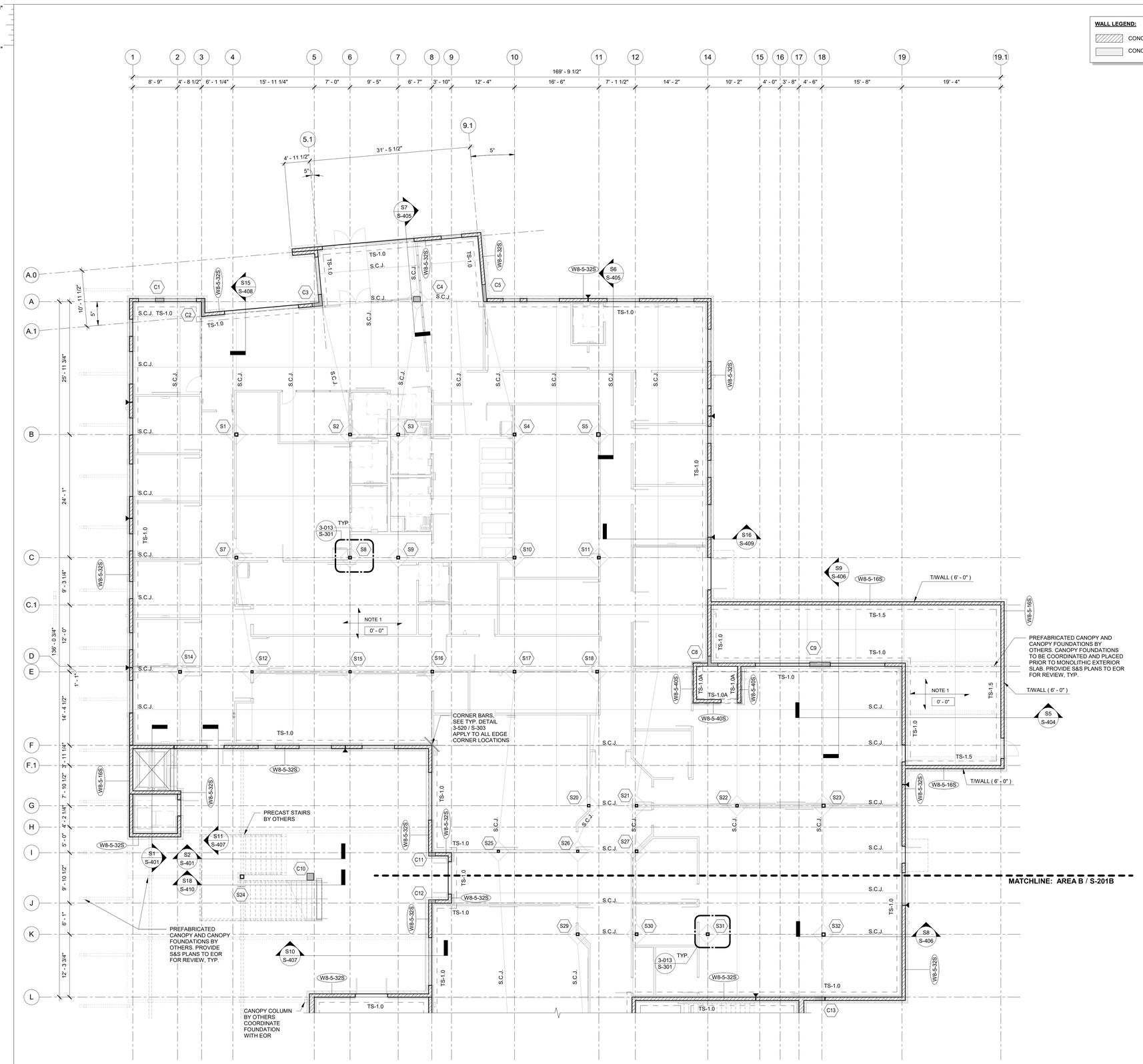
OVERALL SLAB ON GRADE PLAN

S-201

HB ESTIMATING REC'D 06.01.2026

Plot Stamp:
26/05/2026 2:38:11 am

SLAB ON GRADE PLAN - AREA A
S-201A



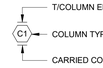
N
SLAB ON GRADE PLAN - AREA A
SCALE: 1/8" = 1'-0"

WALL LEGEND:

- CONCRETE MASONRY UNIT (CMU)
- CONCRETE

SLAB ON GRADE PLAN NOTES:

1. 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.
2. SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0"(±) O.C. BOTH WAYS. USE OF BRICKS IS NOT ALLOWED. USE OF PRECAST CONCRETE BAR SUPPORTS IS ALLOWED, SEE GENERAL STRUCTURAL NOTES - FOUNDATION NOTES FOR REQUIREMENTS.
3. 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.
   - A. VAPOR BARRIER SHALL CONFORM TO ASTM E-1745 , MEETS OR EXCEEDS CLASS "B" (MINIMUM THICKNESS 10 MIL).
   - B. VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643 (CURRENT VERSION).
   - C. UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
   - D. LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
   - E. OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
   - F. SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
   - G. NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
   - H. REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
4. TOP OF SLAB ELEVATION SHOWN THUS "-" ON PLAN EQUALS REFERENCE EL., FOR ACTUAL EL., SEE CIVIL DRAWINGS.
5. FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S-101.
6. FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
7. FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
8. COLUMN DESIGNATION SHOWN THUS ⬡ ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S-601.



9. 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 / S-302
10. 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".
11. LOCATION OF MASONRY CONTROL JOINT NOT SHOWN. COORDINATE WITH ARCHITECTURAL ELEVATIONS. SEE TYPICAL DETAIL 4-002 / S-303
12. RAIN LEADER SHOWN THUS ⊗ R.L ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
13. 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 / S-303
14. PRE-ENGINEERED/PRE-FABRICATED METAL PAN STAIRS. PROVIDE CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. ALL STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED.
15. 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.
16. DIMENSIONS ARE TO FACE OF CMU WHERE APPLICABLE

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
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W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

THICKENED SLAB SCHEDULE

MARK*	WIDTH	THICKNESS	TOP & BTM* REINF. CONT.	TOP & BTM* REINF. TRANSV.	REMARKS
TS-1.0	1'- 0" x CONT.	1' - 4"	(2)-#5	#4 @ 24" O.C.	
TS-1.0A	1'- 0" x CONT.	1' - 0"	(2)-#5	#4 @ 24" O.C.	TO BE USED ON INTERIOR AREAS ONLY
TS-1.5	1'- 6" x CONT.	2' - 0"	(3)-#5	#4 @ 24" O.C.	
TS-2.0A	2' -0" x CONT.	1' - 4"	(3)-#5	#5 @ 10" O.C.	TO BE USED ON INTERIOR AREAS ONLY

* WHERE THICKENED SLAB MARK NUMBER HAS A SUFFIX B, I.E., TS1.0A, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF THICKENED SLAB ONLY.

MASTER CONSULTING ENGINEERS, INC.
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4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
P | 954.210.7671 F | 813.287.3622

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CA: 8426 PROJ NO. 1413-221-31

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HB ESTIMATING REC'D 06.01.2026

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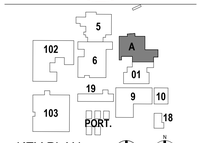
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5162600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

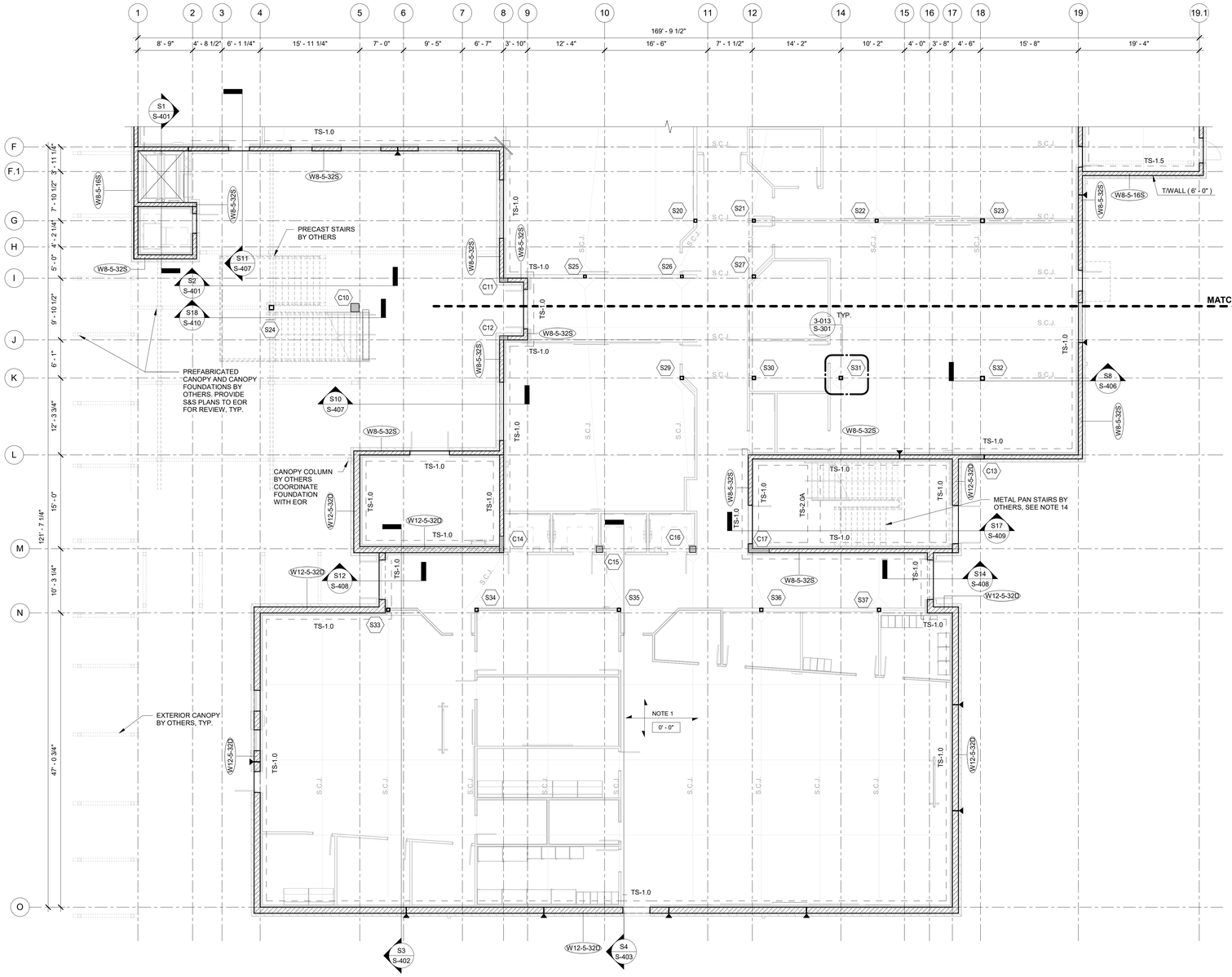
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SLAB ON GRADE PLAN - AREA A

S-201A

Plot Stamp:
28/05/2026 2:38:14 am

SLAB ON GRADE PLAN - AREA B
S-201B



N

SLAB ON GRADE PLAN - AREA B

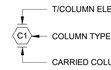
SCALE: 1/8" = 1'-0"

WALL LEGEND:

- CONCRETE MASONRY UNIT (CMU)
- CONCRETE

SLAB ON GRADE PLAN NOTES:

1. 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.
2. SUPPORT WELDED WIRE FABRIC WITH 2" SLAB BOLSTER OR APPROVED EQUAL @ 3'-0"(±) O.C. BOTH WAYS. USE OF BRICKS IS NOT ALLOWED. USE OF PRECAST CONCRETE BAR SUPPORTS IS ALLOWED, SEE GENERAL STRUCTURAL NOTES - FOUNDATION NOTES FOR REQUIREMENTS.
3. 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.
   - A. VAPOR BARRIER SHALL CONFORM TO ASTM E-1745 , MEETS OR EXCEEDS CLASS "B" (MINIMUM THICKNESS 10 MIL).
   - B. VAPOR BARRIER INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND ASTM E 1643 (CURRENT VERSION).
   - C. UNROLL VAPOR BARRIER WITH THE LONGEST DIMENSION PARALLEL WITH THE DIRECTION OF THE POUR.
   - D. LAP VAPOR BARRIER OVER FOOTINGS AND SEAL TO FOUNDATION WALLS.
   - E. OVERLAP JOINTS 6 INCHES AND SEAL WITH MANUFACTURER'S TAPE.
   - F. SEAL ALL PENETRATIONS (INCLUDING PIPES) WITH MANUFACTURER'S PIPE BOOT.
   - G. NO PENETRATION OF THE VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
   - H. REPAIR DAMAGED AREAS BY CUTTING PATCHES OF VAPOR BARRIER, OVERLAPPING DAMAGED AREA 6 INCHES AND TAPING ALL FOUR SIDES WITH TAPE.
4. TOP OF SLAB ELEVATION SHOWN THUS "-" ON PLAN EQUALS REFERENCE EL., FOR ACTUAL EL., SEE CIVIL DRAWINGS.
5. FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S-101.
6. FOR FLOOR SLAB DEPRESSION LOCATIONS AND LIMITS NOT SHOWN ON PLAN SEE ARCHITECTURAL DRAWINGS.
7. FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
8. COLUMN DESIGNATION SHOWN THUS ⬡ ON PLAN. FOR SIZE AND REINFORCING SEE SCHEDULE ON DRAWING S-601.



9. 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 / S-302
10. 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".
11. LOCATION OF MASONRY CONTROL JOINT NOT SHOWN. COORDINATE WITH ARCHITECTURAL ELEVATIONS. SEE TYPICAL DETAIL 4-002 / S-303
12. RAIN LEADER SHOWN THUS ⊗ R.L ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS.
13. 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 / S-303
14. PRE-ENGINEERED/PRE-FABRICATED METAL PAN STAIRS. PROVIDE CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. ALL STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED.
15. 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.
16. DIMENSIONS ARE TO FACE OF CMU WHERE APPLICABLE

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

THICKENED SLAB SCHEDULE

MARK*	WIDTH	THICKNESS	TOP & BTM* REINF. CONT.	TOP & BTM* REINF. TRANSV.	REMARKS
TS-1.0	1' - 0" x CONT.	1' - 4"	(2)-#5	#4 @ 24" O.C.	
TS-1.0A	1' - 0" x CONT.	1' - 0"	(2)-#5	#4 @ 24" O.C.	TO BE USED ON INTERIOR AREAS ONLY
TS-1.5	1' - 6" x CONT.	2' - 0"	(3)-#5	#4 @ 24" O.C.	
TS-2.0A	2' - 0" x CONT.	1' - 4"	(3)-#5	#5 @ 10" O.C.	TO BE USED ON INTERIOR AREAS ONLY

* WHERE THICKENED SLAB MARK NUMBER HAS A SUFFIX B, I.E., TS1.0A, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF THICKENED SLAB ONLY.

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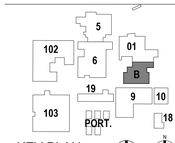
MURRAY MIDDLE SCHOOL
MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5162000045

100% CONSTRUCTION DOCUMNETS





KEY PLAN

NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT: MARTIN COUNTY SCHOOL DISTRICT

DATE: 2026/05/25 | PROJECT NUMBER: 25064.00

DRAWING HISTORY

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SLAB ON GRADE PLAN - AREA B

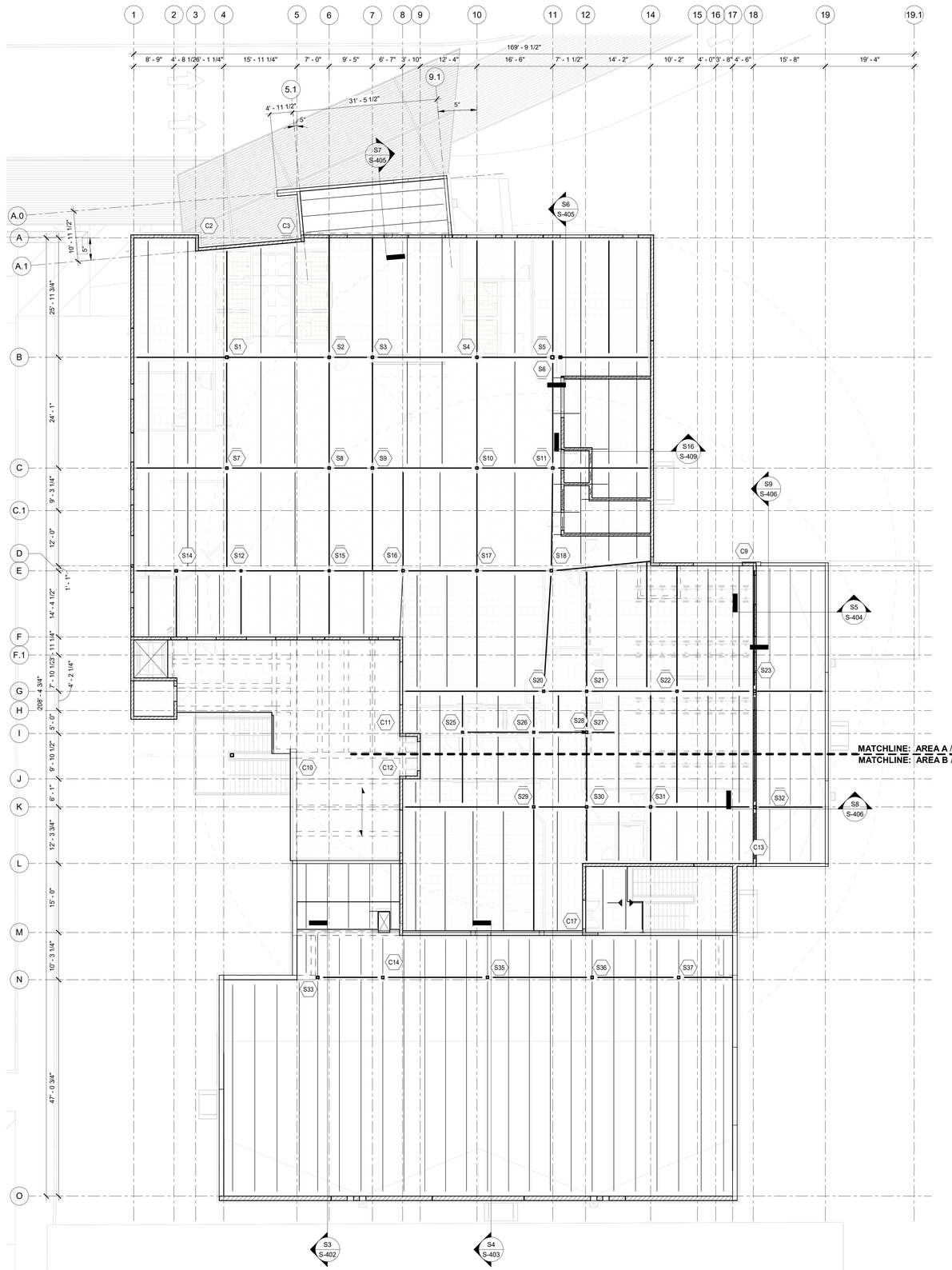
S-201B

HB ESTIMATING REC'D 06.01.2026

Plot Stamp:
28/05/2026 2:38:17 am

OVERALL 2ND FLOOR/LOWER ROOF FRAMING PLAN
S-202

0"
1"



N
OVERALL 2ND FLOOR/LOWER ROOF FRAMING PLAN
SCALE: 3/32" = 1'-0"

WALL LEGEND:
- CONCRETE MASONRY UNIT (CMU)
- CONCRETE

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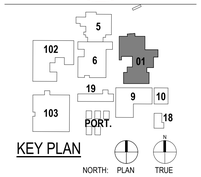
MURRAY MIDDLE SCHOOL MODERNIZATION

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CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

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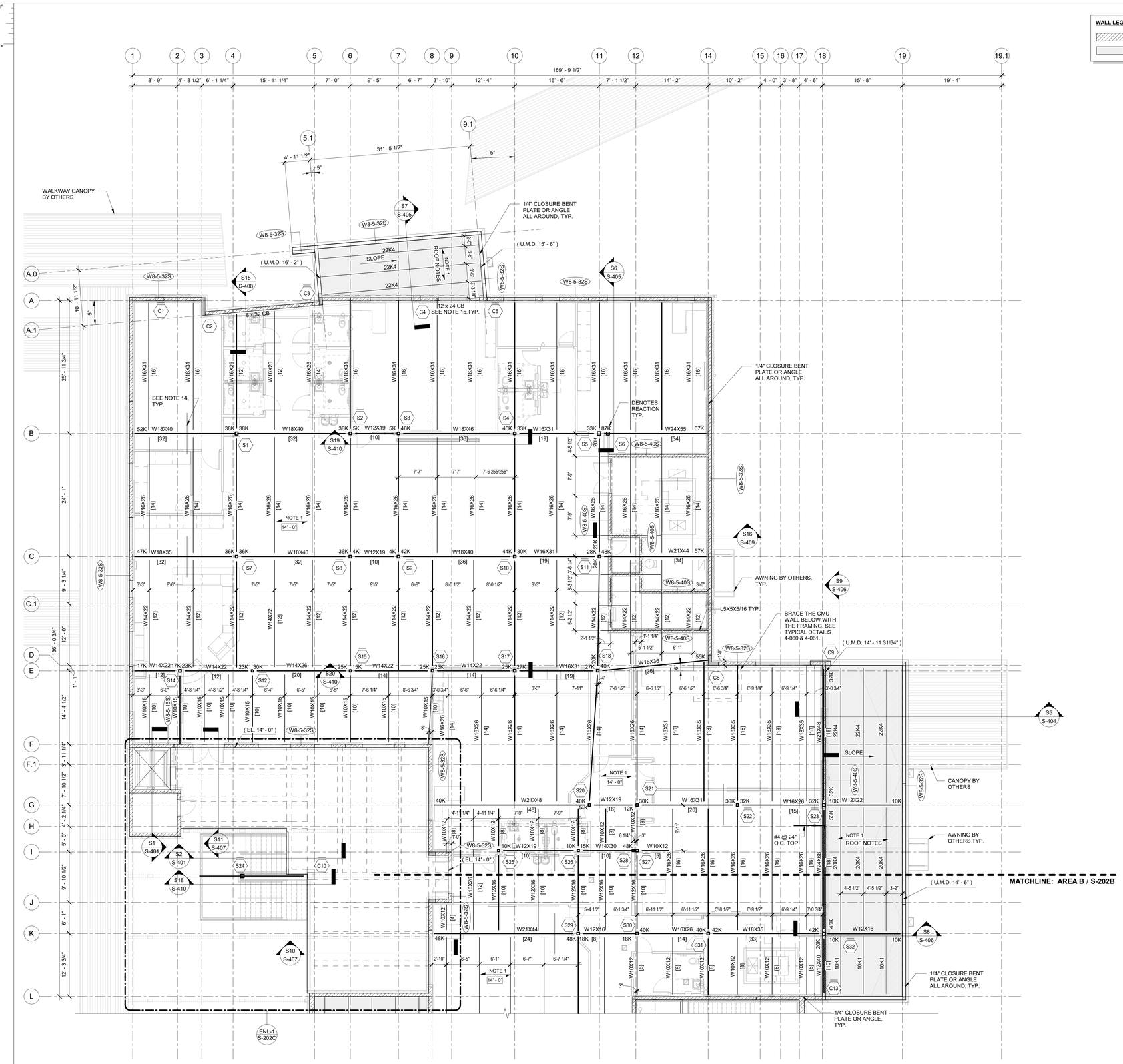
OVERALL 2ND FLOOR/LOWER ROOF FRAMING PLAN

S-202

Plot Stamp:
28/05/2026 2:38:20 am

HB ESTIMATING REC'D 06.01.2026

2ND FLOOR/LOWER ROOF FRAMING PLAN - AREA A
S-202A



N

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

WALL LEGEND:

- CONCRETE MASONRY UNIT (CMU)
- CONCRETE

FLOOR FRAMING NOTES:

1. TYPICAL FLOOR FRAMING SHALL BE 3" - 20 GAUGE COMPOSITE GALVANIZED (G90) METAL DECK WITH 3 1/2" (NORMAL WEIGHT) CONCRETE TOPPING (TOTAL SLAB THICKNESS = 6 1/2") OVER STEEL BEAMS SPACED @ 8'-0" O.C. MAX., REINFORCE SLAB WITH 4x4xW2.1xW2.1 WWF (FLAT SHEETS) PLACED 1" BELOW FLOOR FINISH.

1A. TYPICAL EXTERIOR WALKWAY SLAB SHALL BE 5" MIN. CONCRETE ONE WAY SLAB REINFORCED WITH #5 @12" O.C. EACH WAY AT MID SLAB.

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 S-101
5. FOR TYPICAL DETAILS SEE DRAWINGS S-301 THRU S-306.
6. [3] = DENOTES THE NUMBER OF 3/4"Ø x 5.5" (BEFORE WELDING LENGTH) HEADED STUDS, MACHINE WELDED TO BEAMS & GIRDERS. HEADED STUD LENGTH TO BE ADJUSTED BASED ON SLAB THICKNESS PER TYP. DETAIL 5-104.
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. (NOT USED)
10. COLUMN DESIGNATIONS SHOWN THUS ⬡ ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S-601.
11. FOR LOAD SCHEDULE AND WIND DESIGN DATA, SEE DRAWING S-102.
12. ALL STRUCTURAL STEEL WIDE FLANGE MEMBERS SHALL CONFORM TO ASTM SPECIFICATIONS A992, FY = 50 KSI.
13. EMBED (WELD) PLATE SHOWN THUS EP-1 ON PLAN. FOR PLATE REQUIREMENTS SEE TYPICAL DETAIL ON DRAWING S-602.
14. FOR ADDITIONAL REINFORCEMENT REQUIRED OVER GIRDERS, SEE TYPICAL DETAIL 5-101 / S-305
15. FOR CONCRETE BEAM REINFORCEMENT AND ADDT'L INFORMATION THAT DO NOT SHOW ON PLAN SEE WALL ELEVATIONS S-501 TO S-527

ROOF FRAMING NOTES:

1. ROOF FRAMING SHALL BE 1-1/2" - 20 GAUGE TYPE "B" (WIDE RIB) 80 KSI YIELD STRENGTH / 36 KSI ALLOWABLE STRENGTH, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. MAX. (U.N.O.).
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 / S-306
4. FOR TYPICAL DETAILS SEE DRAWINGS S-301 THRU S-307.
5. FOR GENERAL NOTES SEE DRAWING S-101.
6. ( ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
7. 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. BRIDGING TO BE PROVIDED BY THE JOIST MANUFACTORY AS NEEDED.
8. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
9. RAIN LEADER SHOWN THUS ⊗ R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS. (NOT USED)
10. FOR PLAN DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
11. ▭ DENOTES LOW ROOF FRAMING.
12. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ◄|► ON PLAN.
13. COLUMN DESIGNATIONS SHOWN THUS ⬡ ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S-601.
14. ⬡ DENOTES COLUMN STOP AT THIS LEVEL.
15. FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S-102.
16. BENT BEAM TO BE SHOP-FABRICATED BY MANUFACTURER IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. VERIFY BEND RADIUS, MATERIAL PROPERTIES, AND FABRICATION PROCEDURES PER MANUFACTURER REQUIREMENTS. FIELD MODIFICATIONS OR HEAT BENDING ARE NOT PERMITTED WITHOUT ENGINEER REVIEW.
17. FOR ROOF CRICKETS, SEE ARCHITECTURAL.

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

CONCRETE BEAM SCHEDULE

MARK	BEAM WIDTH	BEAM DEPTH	CONT. REINFORCING	TIE REINFORCING	REMARKS
BM-1	12"	24"	(4) #7 T&B LONG	#3 @ 9" O.C.	
BM-2	16"	24"	(3) #9 B (3) #9 B (2-LAYER) (4) #8 T	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-3	16"	24"	(6) #7 T&B	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-4	12"	30"	(4) #7 T&B LONG	#3 @ 9" O.C.	
BM-5	16"	30"	(3) #9 B (3) #9 B (2-LAYER) (4) #8 T	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-6	16"	30"	(6) #7 T&B	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS

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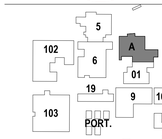
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KEY PLAN



NORTH: PLAN TRUE



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FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE 2026/05/25 | PROJECT NUMBER 25064.00

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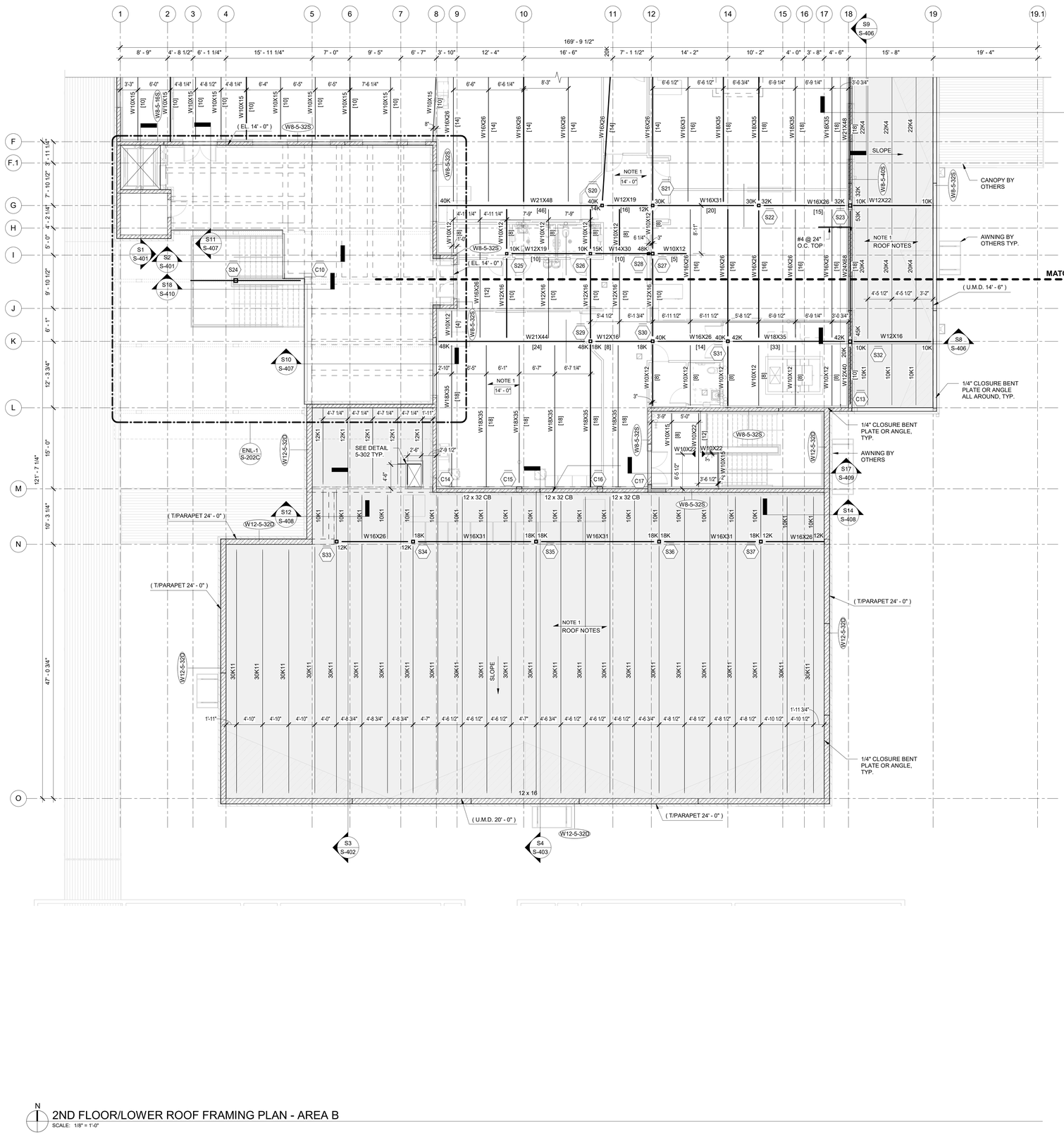
DRAWN BY: AN/DN

2ND FLOOR/LOWER ROOF FRAMING PLAN - AREA A

S-202A

Plot Stamp:
28/05/2026 2:38:27 am

2ND FLOOR/LOWER ROOF FRAMING PLAN - AREA B
S-202B



N
2ND FLOOR/LOWER ROOF FRAMING PLAN - AREA B
SCALE: 1/8" = 1'-0"

WALL LEGEND:

- CONCRETE MASONRY UNIT (CMU)
- CONCRETE

FLOOR FRAMING NOTES:

1. TYPICAL FLOOR FRAMING SHALL BE 3" - 20 GAUGE COMPOSITE GALVANIZED (G90) METAL DECK WITH 3 1/2" (NORMAL WEIGHT) CONCRETE TOPPING (TOTAL SLAB THICKNESS = 6 1/2") OVER STEEL BEAMS SPACED @ 8'-0" O.C. MAX. REINFORCE SLAB WITH 4x4xW2.1xW2.1 WWF (FLAT SHEETS) PLACED 1" BELOW FLOOR FINISH.

1A. TYPICAL EXTERIOR WALKWAY SLAB SHALL BE 5" MIN. CONCRETE ONE WAY SLAB REINFORCED WITH #5 @12" O.C. EACH WAY AT MID SLAB.

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 S-101
5. FOR TYPICAL DETAILS SEE DRAWINGS S-301 THRU S-306.
6. [3] = DENOTES THE NUMBER OF 3/4"Ø X 5.5" (BEFORE WELDING LENGTH) HEADED STUDS, MACHINE WELDED TO BEAMS & GIRDERS. HEADED STUD LENGTH TO BE ADJUSTED BASED ON SLAB THICKNESS PER TYP. DETAIL 5-104.
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. (NOT USED)
10. COLUMN DESIGNATIONS SHOWN THUS ⬡ ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S-601.
11. FOR LOAD SCHEDULE AND WIND DESIGN DATA, SEE DRAWING S-102.
12. ALL STRUCTURAL STEEL WIDE FLANGE MEMBERS SHALL CONFORM TO ASTM SPECIFICATIONS A992, FY = 50 KSI.
13. EMBED (WELD) PLATE SHOWN THUS EP-1 ON PLAN. FOR PLATE REQUIREMENTS SEE TYPICAL DETAIL ON DRAWING S-602.
14. FOR ADDITIONAL REINFORCEMENT REQUIRED OVER GIRDERS, SEE TYPICAL DETAIL 5-101 / S-305
15. FOR CONCRETE BEAM REINFORCEMENT AND ADDT'L INFORMATION THAT DO NOT SHOW ON PLAN SEE WALL ELEVATIONS S-501 TO S-527

ROOF FRAMING NOTES:

1. ROOF FRAMING SHALL BE 1-1/2" - 20 GAUGE TYPE "B" (WIDE RIB) 80 KSI YIELD STRENGTH / 36 KSI ALLOWABLE STRENGTH, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. MAX. (U.N.O.).
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 / S-306
4. FOR TYPICAL DETAILS SEE DRAWINGS S-301 THRU S-307.
5. FOR GENERAL NOTES SEE DRAWING S-101.
6. ( ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
7. 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. BRIDGING TO BE PROVIDED BY THE JOIST MANUFACTORY AS NEEDED.
8. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
9. RAIN LEADER SHOWN THUS ⊗ R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS. (NOT USED)
10. FOR PLAN DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
11. ▭ DENOTES LOW ROOF FRAMING.
12. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ◄—►| ON PLAN.
13. COLUMN DESIGNATIONS SHOWN THUS ⬡ ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S-601.
14. ⬡ DENOTES COLUMN STOP AT THIS LEVEL.
15. FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S-102.
16. BENT BEAM TO BE SHOP-FABRICATED BY MANUFACTURER IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. VERIFY BEND RADIUS, MATERIAL PROPERTIES, AND FABRICATION PROCEDURES PER MANUFACTURER REQUIREMENTS. FIELD MODIFICATIONS OR HEAT BENDING ARE NOT PERMITTED WITHOUT ENGINEER REVIEW.
17. FOR ROOF CRICKETS, SEE ARCHITECTURAL.

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

CONCRETE BEAM SCHEDULE

MARK	BEAM WIDTH	BEAM DEPTH	CONT. REINFORCING	TIE REINFORCING	REMARKS
BM-1	12"	24"	(4) #7 T&B LONG	#3 @ 9" O.C.	
BM-2	16"	24"	(3) #9 B (3) #9 B (2-LAYER) (4) #8 T	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-3	16"	24"	(6) #7 T&B	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-4	12"	30"	(4) #7 T&B LONG	#3 @ 9" O.C.	
BM-5	16"	30"	(3) #9 B (3) #9 B (2-LAYER) (4) #8 T	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-6	16"	30"	(6) #7 T&B	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS

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4101 RAVENSWOOD RD., STE.320
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CA: 8426 PROJ NO. 1413-221-31

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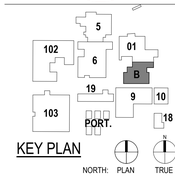
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: P0N5162600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

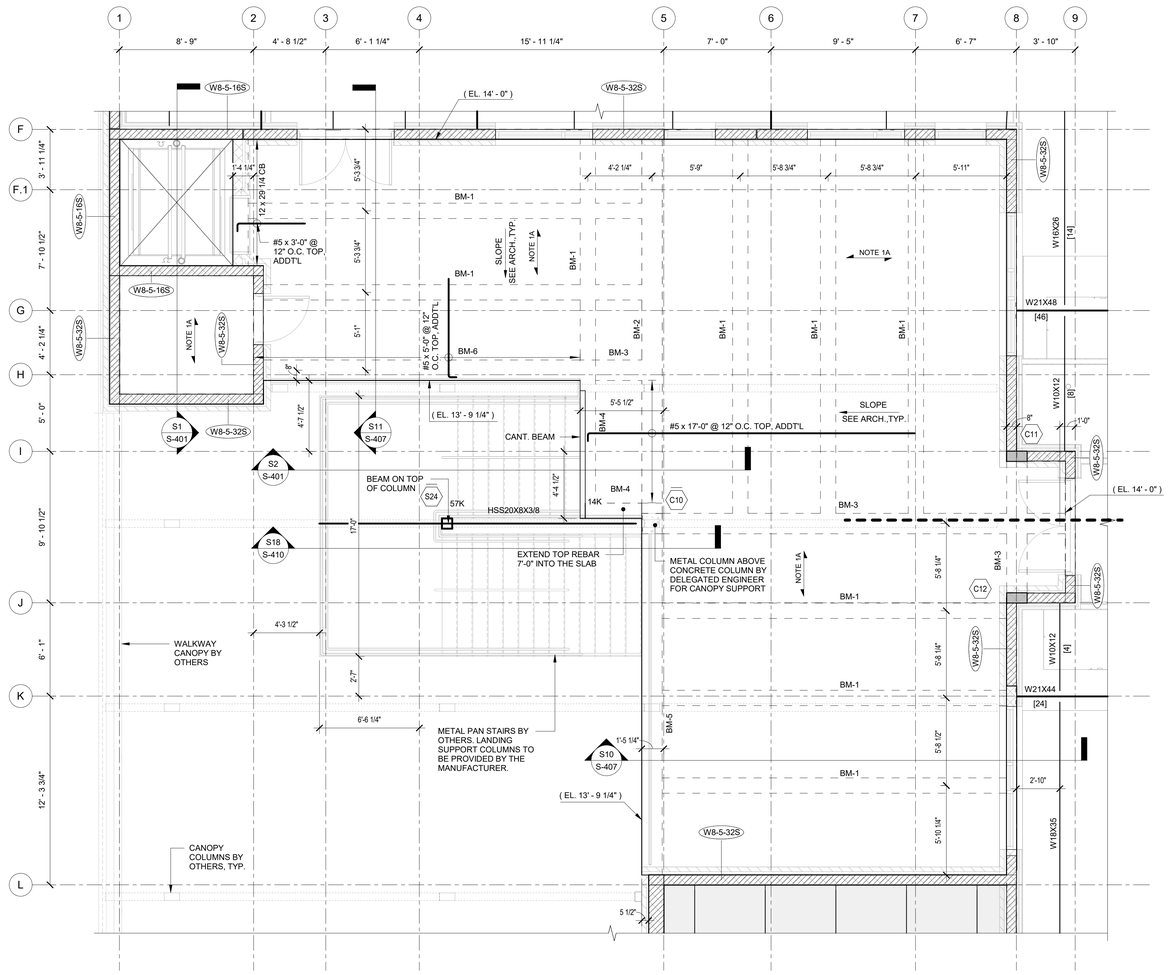
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2ND FLOOR/LOWER ROOF FRAMING PLAN - AREA B

S-202B



ENL-1 / S-202C 2ND FLOOR ENLARGED PLAN
SCALE: 1/4" = 1'-0"

FLOOR FRAMING NOTES:

1. TYPICAL FLOOR FRAMING SHALL BE 3" - 20 GAUGE COMPOSITE GALVANIZED (G90) METAL DECK WITH 3 1/2" (NORMAL WEIGHT) CONCRETE TOPPING (TOTAL SLAB THICKNESS = 6 1/2") OVER STEEL BEAMS SPACED @ 8'-0" O.C. MAX., REINFORCE SLAB WITH 4x4xW2.1xW2.1 WWF (FLAT SHEETS) PLACED 1" BELOW FLOOR FINISH.

1A. TYPICAL EXTERIOR WALKWAY SLAB SHALL BE 5" MIN. CONCRETE ONE WAY SLAB REINFORCED WITH #5 @12" O.C. EACH WAY AT MID SLAB.

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 S-101
5. FOR TYPICAL DETAILS SEE DRAWINGS S-301 THRU S-306.
6. [3] = DENOTES THE NUMBER OF 3/4"Ø STUDS PER FLUTE (BEFORE WELDING LENGTH) HEADED STUDS, MACHINE WELDED TO BEAMS & GIRDERS. HEADED STUD LENGTH TO BE ADJUSTED BASED ON SLAB THICKNESS PER TYP. DETAIL S-104.
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. (NOT USED)
10. COLUMN DESIGNATIONS SHOWN THUS ⬡ ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S-601.
11. FOR LOAD SCHEDULE AND WIND DESIGN DATA, SEE DRAWING S-102.
12. ALL STRUCTURAL STEEL WIDE FLANGE MEMBERS SHALL CONFORM TO ASTM SPECIFICATIONS A992, FY = 50 KSI.
13. EMBED (WELD) PLATE SHOWN THUS EP-1 ON PLAN. FOR PLATE REQUIREMENTS SEE TYPICAL DETAIL ON DRAWING S-602.
14. FOR ADDITIONAL REINFORCEMENT REQUIRED OVER GIRDERS, SEE TYPICAL DETAIL 5-101 / S-305
15. FOR CONCRETE BEAM REINFORCEMENT AND ADDT'L INFORMATION THAT DO NOT SHOW ON PLAN SEE WALL ELEVATIONS S-501 TO S-527

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

CONCRETE BEAM SCHEDULE

MARK	BEAM WIDTH	BEAM DEPTH	CONT. REINFORCING	TIE REINFORCING	REMARKS
BM-1	12"	24"	(4) #7 T&B LONG	#3 @ 9" O.C.	
BM-2	16"	24"	(3) #9 B (3) #9 B (2-LAYER) (4) #8 T	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-3	16"	24"	(6) #7 T&B	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-4	12"	30"	(4) #7 T&B LONG	#3 @ 9" O.C.	
BM-5	16"	30"	(3) #9 B (3) #9 B (2-LAYER) (4) #8 T	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-6	16"	30"	(6) #7 T&B	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS

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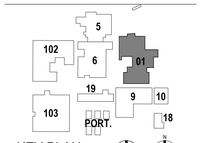
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5162600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

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2ND FLOOR ENLARGED PLAN

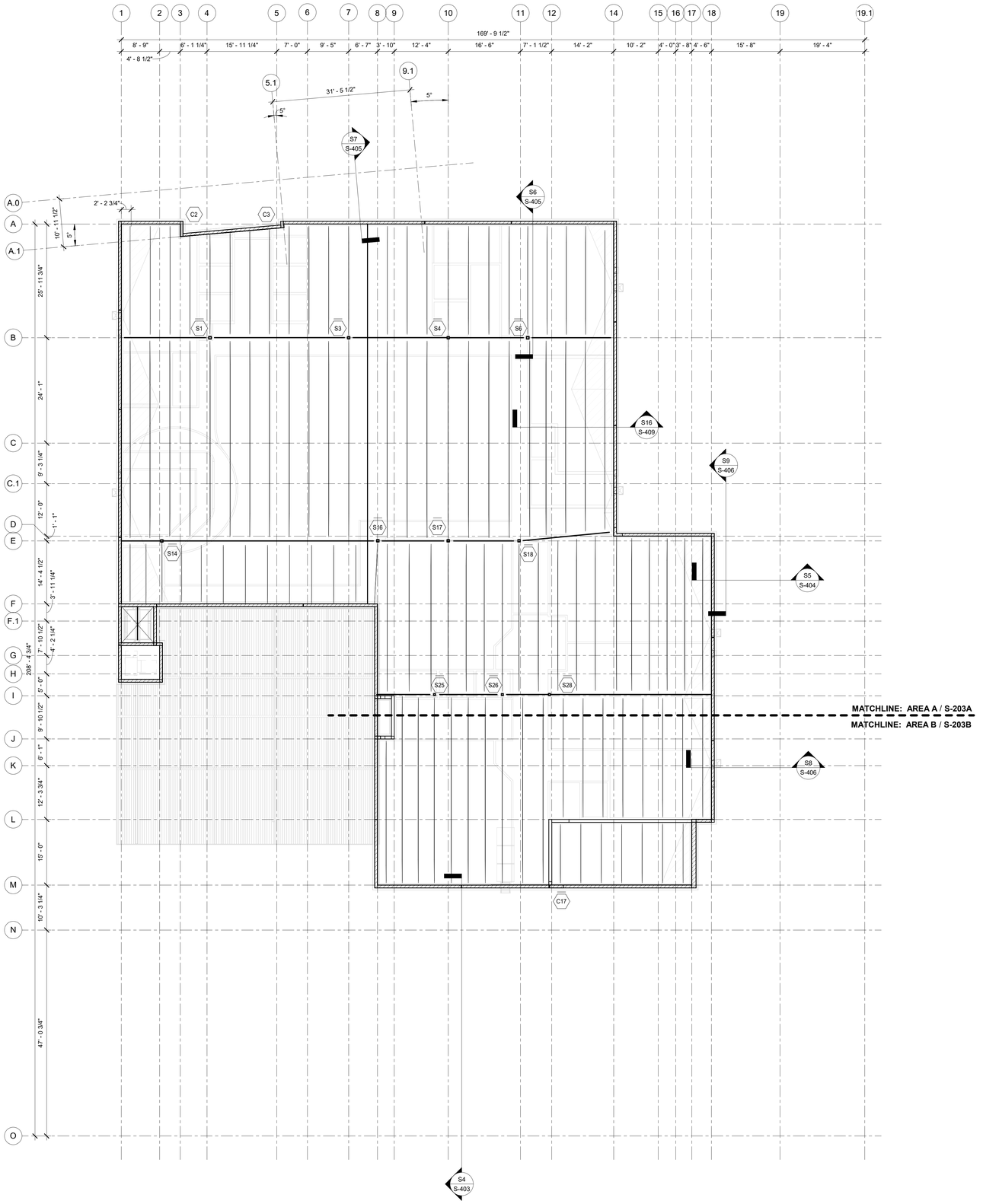
S-202C

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0"
1"

OVERALL HIGH ROOF FRAMING PLAN
S-203



N
OVERALL ROOF FRAMING PLAN
SCALE: 3/32" = 1'-0"

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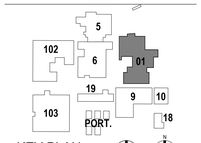
MURRAY MIDDLE SCHOOL MODERNIZATION

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CLIENT PROJECT NUMBER: PO4516260004S

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MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

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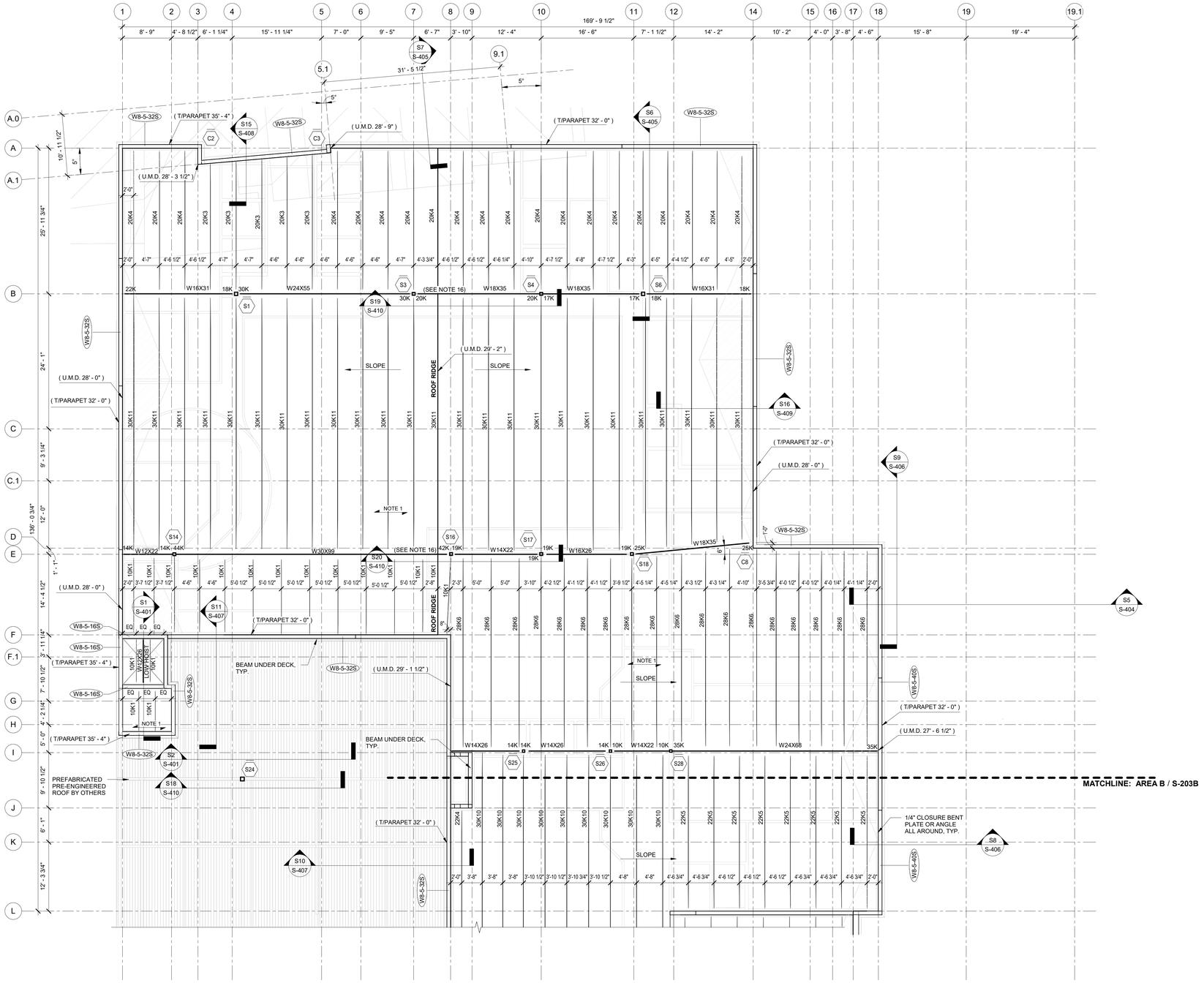
OVERALL HIGH ROOF FRAMING PLAN

S-203

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HIGH ROOF FRAMING PLAN - AREA A
S-203A



N
HIGH ROOF FRAMING PLAN - AREA A
SCALE: 1/8" = 1'-0"

ROOF FRAMING NOTES:

1. ROOF FRAMING SHALL BE 1-1/2" - 20 GAUGE TYPE "B" (WIDE RIB) 80 KSI YIELD STRENGTH / 36 KSI ALLOWABLE STRENGTH, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. MAX. (U.N.O.).
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 S-302 / S-306
4. FOR TYPICAL DETAILS SEE DRAWINGS S-301 THRU S-307.
5. FOR GENERAL NOTES SEE DRAWING S-101.
6. ( ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
7. 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. BRIDGING TO BE PROVIDED BY THE JOIST MANUFACTORY AS NEEDED.
8. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
9. RAIN LEADER SHOWN THUS ⊗ R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS. (NOT USED)
10. FOR PLAN DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
11. [ ] DENOTES LOW ROOF FRAMING.
12. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ◄—►◄ ON PLAN.
13. COLUMN DESIGNATIONS SHOWN THUS ⬡ ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S-601.
14. ⬡ DENOTES COLUMN STOP AT THIS LEVEL.
15. FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S-102.
16. BENT BEAM TO BE SHOP-FABRICATED BY MANUFACTURER IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. VERIFY BEND RADIUS, MATERIAL PROPERTIES, AND FABRICATION PROCEDURES PER MANUFACTURER REQUIREMENTS. FIELD MODIFICATIONS OR HEAT BENDING ARE NOT PERMITTED WITHOUT ENGINEER REVIEW.
17. FOR ROOF CRICKETS, SEE ARCHITECTURAL.

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

CONCRETE BEAM SCHEDULE

MARK	BEAM WIDTH	BEAM DEPTH	CONT. REINFORCING	TIE REINFORCING	REMARKS
BM-1	12"	24"	(4) #7 T&B LONG	#3 @ 9" O.C.	
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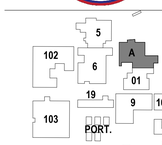
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO4516200045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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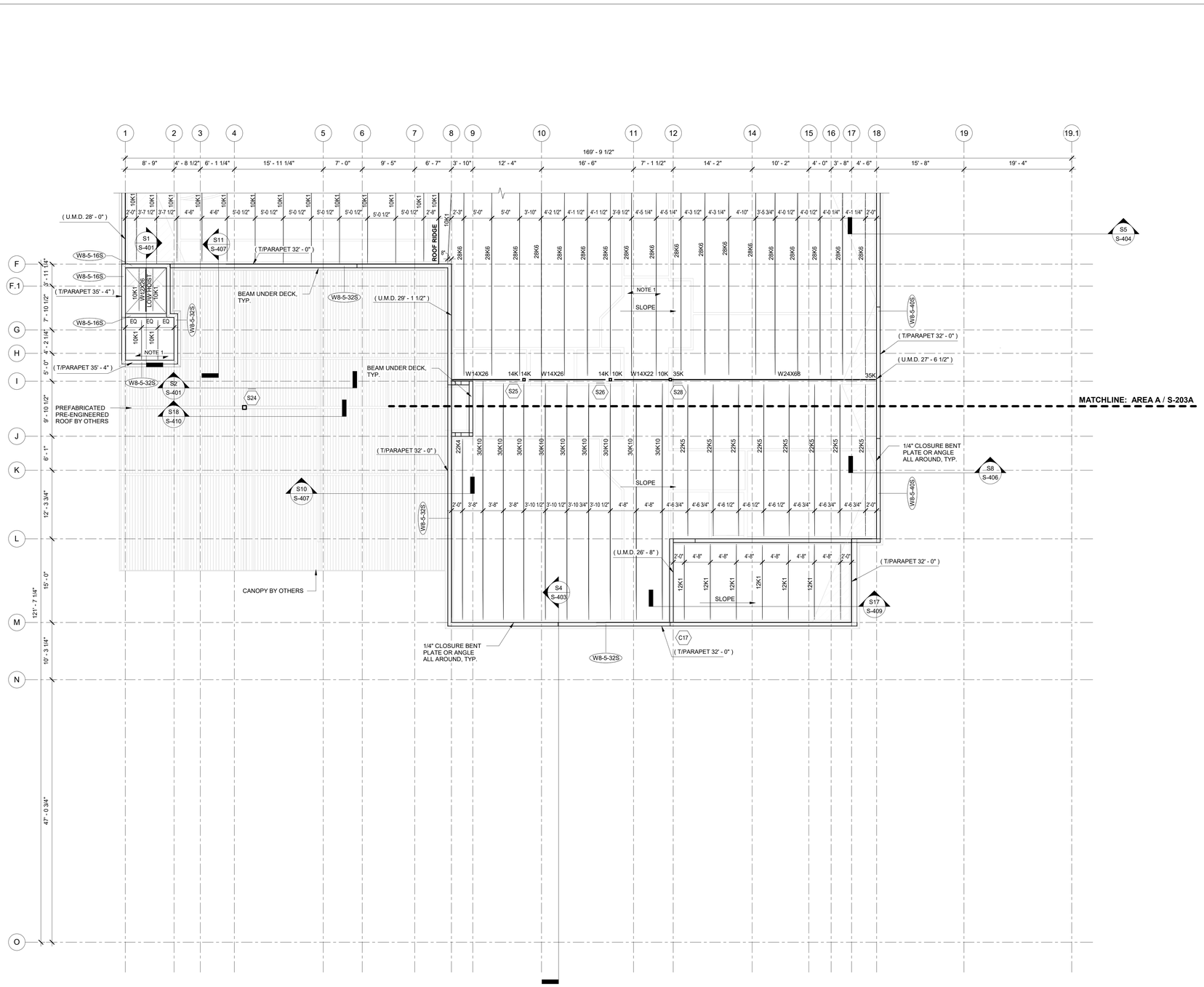
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HIGH ROOF FRAMING PLAN - AREA A

S-203A

Plot Stamp:
28/05/2026 2:38:42 am

HIGH ROOF FRAMING PLAN - AREA B
S-203B



ROOF FRAMING NOTES:

1. ROOF FRAMING SHALL BE 1-1/2" - 20 GAUGE TYPE "B" (WIDE RIB) 80 KSI YIELD STRENGTH / 36 KSI ALLOWABLE STRENGTH, GALVANIZED G90 METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED @ 5'-0" O.C. MAX. (U.N.O.).
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5. FOR GENERAL NOTES SEE DRAWING S-101.
6. ( ) DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
7. 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. BRIDGING TO BE PROVIDED BY THE JOIST MANUFACTORY AS NEEDED.
8. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
9. RAIN LEADER SHOWN THUS ⊗ R.L. ON PLAN. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATIONS. (NOT USED)
10. FOR PLAN DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
11. ▭ DENOTES LOW ROOF FRAMING.
12. PROVIDE MOMENT CONNECTION AT BEAMS SHOWN THUS ◄—►◄ ON PLAN.
13. COLUMN DESIGNATIONS SHOWN THUS ⬡ ON PLAN. FOR COLUMN SCHEDULE, SEE DRAWING S-601.
14. ⬡ DENOTES COLUMN STOP AT THIS LEVEL.
15. FOR LOAD SCHEDULE & WIND DESIGN DATA, SEE DRAWING S-102.
16. BENT BEAM TO BE SHOP-FABRICATED BY MANUFACTURER IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. VERIFY BEND RADIUS, MATERIAL PROPERTIES, AND FABRICATION PROCEDURES PER MANUFACTURER REQUIREMENTS. FIELD MODIFICATIONS OR HEAT BENDING ARE NOT PERMITTED WITHOUT ENGINEER REVIEW.
17. FOR ROOF CRICKETS, SEE ARCHITECTURAL.

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

CONCRETE BEAM SCHEDULE

MARK	BEAM WIDTH	BEAM DEPTH	CONT. REINFORCING	TIE REINFORCING	REMARKS
BM-1	12"	24"	(4) #7 T&B LONG	#3 @ 9" O.C.	
BM-2	16"	24"	(3) #9 B (3) #9 B (2-LAYER) (4) #8 T	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-3	16"	24"	(6) #7 T&B	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-4	12"	30"	(4) #7 T&B LONG	#3 @ 9" O.C.	
BM-5	16"	30"	(3) #9 B (3) #9 B (2-LAYER) (4) #8 T	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS
BM-6	16"	30"	(6) #7 T&B	#3 @ 6" O.C.	(5) #3 @ 3" O.C. AT SUPPORTS

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

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
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HB ESTIMATING REC'D 06.01.2026

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WEST PALM BEACH, FL 561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5162600045

100% CONSTRUCTION DOCUMNETS



KEY PLAN
NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

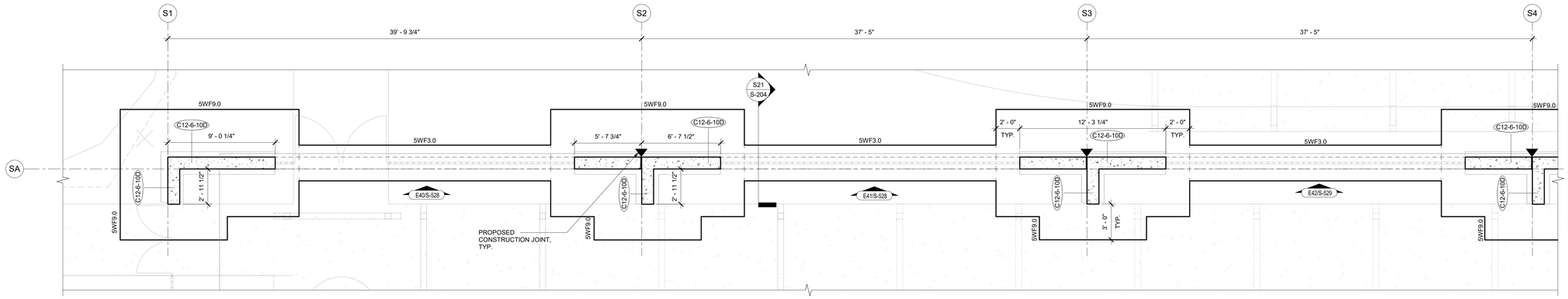
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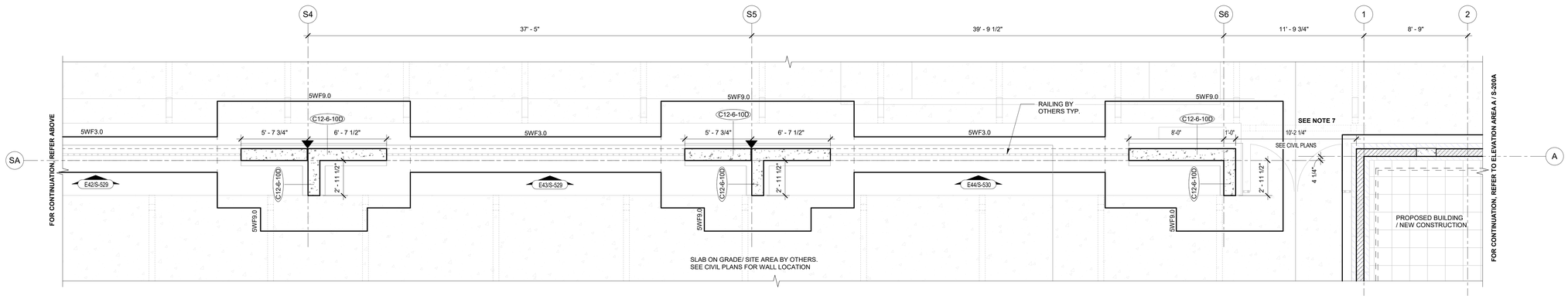
S-203B

Plot Stamp:
28/05/2026 2:38:46 am

SITE WALL
S-204

0"
1"

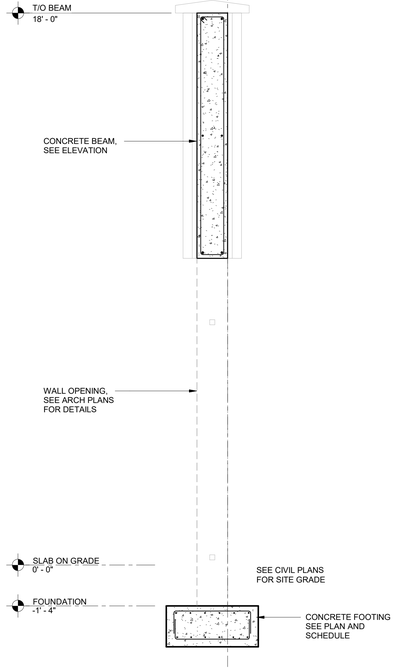




N

SITE WALL - FOUNDATION PLAN

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



S21 / S-204 SECTION 21

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

WIND DATA
ULT. VELOCITY PRESSURE = 74.6 PSF

FOUNDATION PLAN NOTES:

1. FOR TYPICAL FOUNDATION PLAN DETAILS, SEE DRAWINGS S-301 TO S-303.
2. FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S-101.
3. FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
4. ( ) DENOTES TOP OF FOOTING ELEVATION.
5. TOP OF FOOTING: ELEVATION @ INTERIOR = (-1' - 4") TYPICAL U.N.O.
   ELEVATION @ EXTERIOR = (-1' - 4") TYPICAL U.N.O.
6. FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
7. FOUNDATIONS SHALL NOT BE EXCAVATED OR CONSTRUCTED BELOW THE BOTTOM ELEVATION OF ANY ADJACENT OR NEARBY EXISTING FOUNDATIONS. CONTRACTOR SHALL MAINTAIN THE STABILITY AND BEARING SUPPORT OF ALL ADJACENT STRUCTURES AT ALL TIMES IF LOWER FOUNDATION ELEVATIONS ARE REQUIRED, TEMPORARY SHORING, UNDERPINNING, OR OTHER APPROVED SUPPORT SYSTEMS SHALL BE DESIGNED AND IMPLEMENTED PRIOR TO EXCAVATION. ANY SUCH CONDITIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL BEFORE PROCEEDING.
8. CONSTRUCTION JOINT SHOWN THUS —◀CJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24'-0", COORDINATE LOCATION WITH THE ARCH. BUILDING ELEVATIONS.

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	TOP REINF. CONT. (2" CLEAR)	BTM REINF. CONT. (3" CLEAR)	TOP & BTM REINF. TRANSV.	REMARKS
5WF2.0	2' - 0"	1' - 4"	(3) #5	(3) #5	#5 @ 10"	STD ACI HOOK
5WF2.5	2' - 6"	1' - 4"	(3) #5	(3) #5	#5 @ 10"	STD ACI HOOK
5WF3.0	3' - 0"	1' - 4"	(4) #5	(4) #5	#5 @ 10"	STD ACI HOOK
5WF4.0	4' - 0"	1' - 4"	(5) #5	(5) #5	#5 @ 10"	STD ACI HOOK
5WF9.0	9' - 0"	2' - 2"	(9) #7	(9) #7	#7 @ 12"	STD ACI HOOK

* WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.

HB ESTIMATING REC'D 06.01.2026

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STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
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MURRAY MIDDLE SCHOOL MODERNIZATION

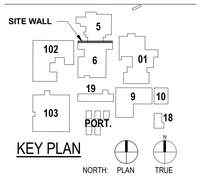
4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5162500045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

SITE WALL



KEY PLAN

NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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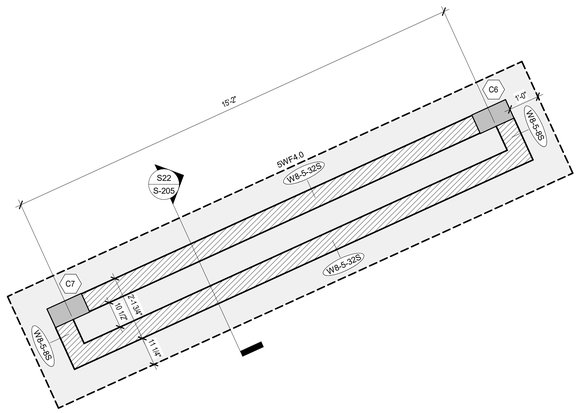
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S-204

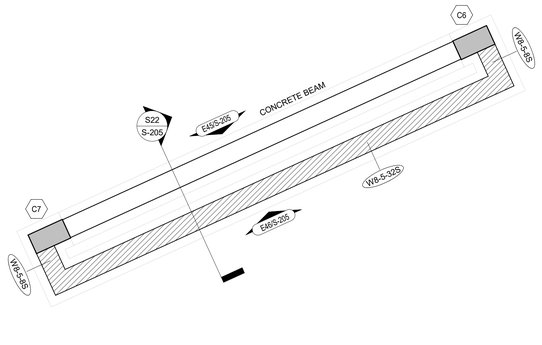
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MARQUEE SIGN
S-205

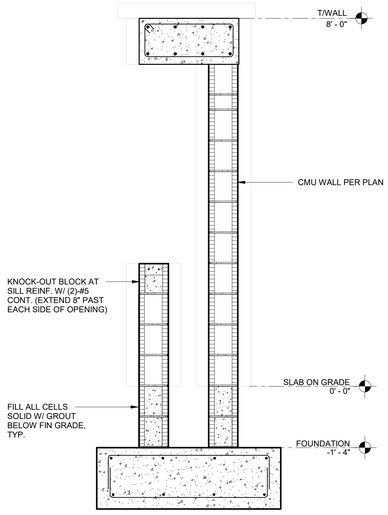
0"
1"



N
MARQUEE SIGN - FOUNDATION PLAN
SCALE: 1/2" = 1'-0"



N
MARQUEE SIGN - SLAB ON GRADE
SCALE: 1/2" = 1'-0"



S22
S-205
SECTION 22
SCALE: 3/4" = 1'-0"

NOTE: SEE CIVIL PLANS FOR SIGN AND LOCATION

FOUNDATION PLAN NOTES:

1. FOR TYPICAL FOUNDATION PLAN DETAILS, SEE DRAWINGS S-301 TO S-303.
2. FOR GENERAL STRUCTURAL NOTES, SEE DRAWING S-101.
3. FOR FOOTING SIZE AND REINFORCING, SEE SCHEDULE ON THIS DRAWING.
4. ( ) DENOTES TOP OF FOOTING ELEVATION.
5. TOP OF FOOTING: ELEVATION @ INTERIOR = (-1' - 4") TYPICAL U.N.O.
   ELEVATION @ EXTERIOR = (-1' - 4") TYPICAL U.N.O.
6. FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.
7. TYPICAL WALL REINFORCING SCHEDULE:
   A. FOR CMU EXTERIOR WALL REINFORCING, SEE SCHEDULE THIS SHEET.
   B. REINFORCING SHOWN ON SCHEDULE IS MINIMUM. SEE NOTES BELOW AND WALL ELEVATIONS FOR ADDITONAL REINFORCING.
   C. 8" CMU WALLS TO HAVE A SINGLE LAYER OF REINFORCEMENT, U.N.O.
   D. 12" CMU WALLS TO HAVE A DOUBLE LAYER OF REINFORCEMENT (1 BAR AT EACH FACE), U.N.O.
   E. ■ INDICATES ADDITIONAL (1) VERTICAL IN GROUT FILLED CELL.
   F. PROVIDE ADDITIONAL (1) VERTICAL IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS, CORNERS AND INTERSECTIONS.



8. 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".
9. WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.
10. MASONRY CONTROL JOINT SHOWN THUS ⊣◀ MCJ ON PLAN. MAXIMUM SPACING OF JOINTS = 24'-0", COORDINATE LOCATION WITH THE ARCH. BUILDING ELEVATIONS. CONTROL JOINTS START ABOVE GRADE
11. MCJ SHOWN ON PLAN ARE APPROXIMATE, IT SHOULD BE COORDINATED DURING SHOP DRAWING REVIEW WITH THE GC, EOR, AND AOR BASED ON CMU COURSING , AND MEET THE MINIMUM REQUIREMENTS SHOW IN CONSTRUCTION DOCUMENTS
12. DIMENSIONS ARE TO FACE OF CMU WHERE APPLICABLE
13. FOUNDATIONS SHALL NOT BE EXCAVATED OR CONSTRUCTED BELOW THE BOTTOM ELEVATION OF ANY ADJACENT OR NEARBY EXISTING FOUNDATIONS. CONTRACTOR SHALL MAINTAIN THE STABILITY AND BEARING SUPPORT OF ALL ADJACENT STRUCTURES AT ALL TIMES. IF LOWER FOUNDATION ELEVATIONS ARE REQUIRED, TEMPORARY SHORING, UNDERPINNING, OR OTHER APPROVED SUPPORT SYSTEMS SHALL BE DESIGNED AND IMPLEMENTED PRIOR TO EXCAVATION. ANY SUCH CONDITIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL BEFORE PROCEEDING.

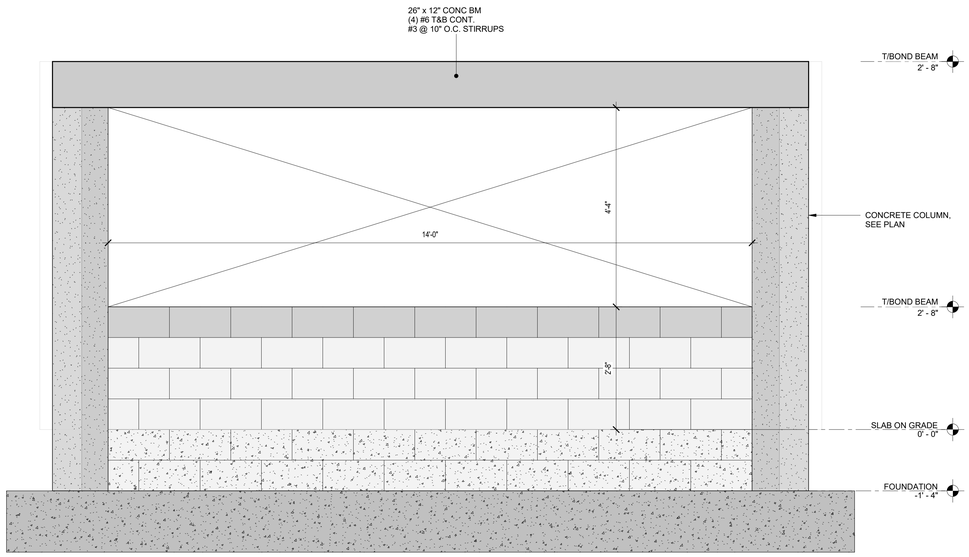
WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
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W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	

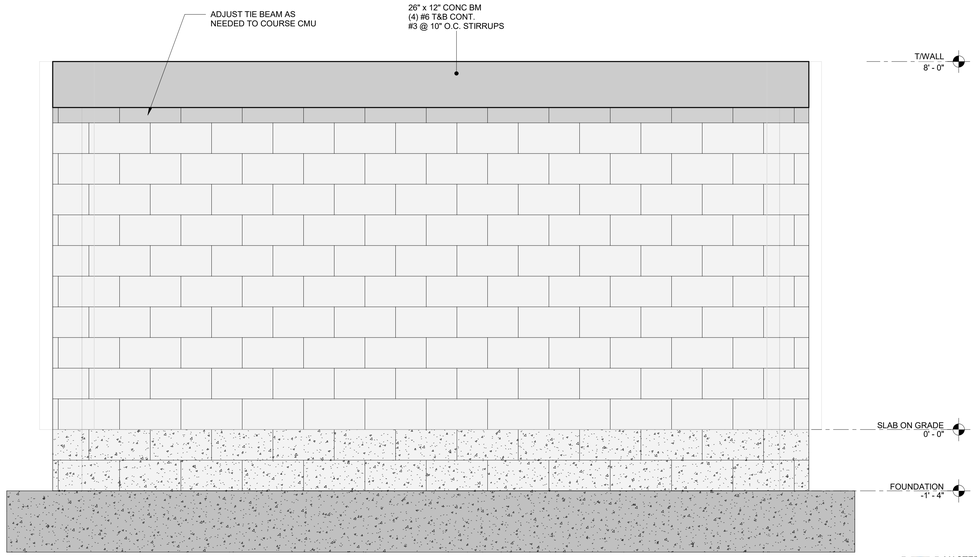
WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	TOP REINF. CONT. (2" CLEAR)	BTM REINF. CONT. (3" CLEAR)	TOP & BTM REINF. TRANSV.	REMARKS
5WF2.0	2' - 0"	1' - 4"	(3) #5	(3) #5	#5 @ 10"	STD ACI HOOK
5WF2.5	2' - 6"	1' - 4"	(3) #5	(3) #5	#5 @ 10"	STD ACI HOOK
5WF3.0	3' - 0"	1' - 4"	(4) #5	(4) #5	#5 @ 10"	STD ACI HOOK
5WF4.0	4' - 0"	1' - 4"	(5) #5	(5) #5	#5 @ 10"	STD ACI HOOK
5WF9.0	9' - 0"	2' - 2"	(9) #7	(9) #7	#7 @ 12"	STD ACI HOOK

* WHERE FOOTING MARK NUMBER HAS A SUFFIX B, I.E., WF5.0B, THE REINFORCING INDICATED SHALL BE APPLIED TO BOTTOM OF FOOTING ONLY.



E45
S-205
WALL ELEVATION 45
SCALE: 3/4" = 1'-0"



E46
S-205
WALL ELEVATION 46
SCALE: 3/4" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

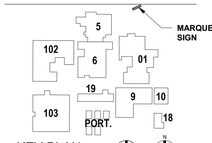
4400 SE MURRAY STREET
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CLIENT PROJECT NUMBER: PQ#5162600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

MARQUEE SIGN



KEY PLAN
NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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DRAWN BY: AN/DN

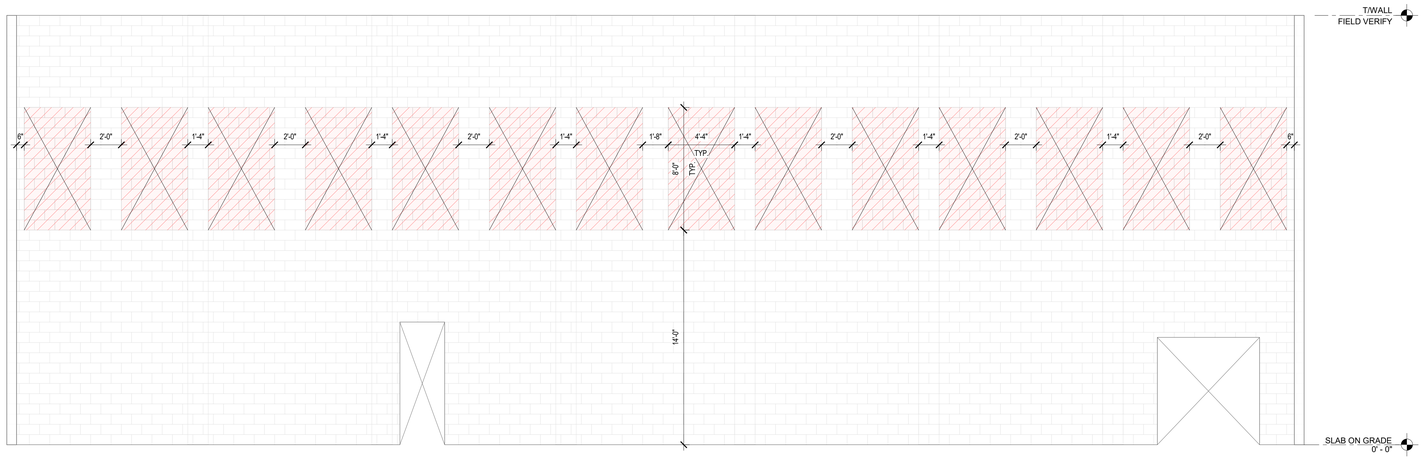
MARQUEE SIGN

S-205

0"

1"

BUILDING 6 - WALL REPAIR
S-206



E47.1 / S-206 WALL ELEVATION 47 - EXISTING/DEMOLITION
SCALE: 1/4" = 1'-0"

WALL LEGEND:

- DENOTES AREA TO BE DEMOLISHED
- DENOTES 6" CMU INFILL WALL

DEMOLITION NOTES:

1. THE EXISTING WALL IS AN APPROXIMATELY 8-INCH-THICK CMU WALL. EXISTING INFILLED OPENINGS ARE BELIEVED TO CONSIST OF WOOD FRAMING AND ASSOCIATED FINISHES INSTALLED WITHIN PREVIOUSLY EXISTING WINDOW OPENINGS.
2. THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING WOOD FRAMING, SHEATHING, FINISHES, AND ALL ASSOCIATED MATERIALS WITHIN THE INFILLED OPENINGS. DEMOLITION SHALL BE PERFORMED IN A MANNER THAT PREVENTS DAMAGE TO THE ADJACENT EXISTING CMU WALL, REINFORCING STEEL, AND SURROUNDING CONSTRUCTION.
3. NO DEMOLITION ACTIVITIES SHALL COMPROMISE THE STRUCTURAL INTEGRITY OF THE EXISTING CMU WALL. ANY DAMAGE TO THE EXISTING WALL RESULTING FROM DEMOLITION OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. EXISTING DIMENSIONS AND FIELD CONDITIONS SHALL BE VERIFIED PRIOR TO COMMENCEMENT OF DEMOLITION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING.

RECONSTRUCTION NOTES

1. FOLLOWING REMOVAL OF THE EXISTING WOOD-FRAMED INFILL, THE OPENINGS SHALL BE RECONSTRUCTED UTILIZING 6-INCH CMU UNITS MATCHING THE ARCHITECTURAL RECESSED INTENT.
2. NEW CMU INFILL SHALL BE ADEQUATELY CONNECTED TO THE EXISTING CMU WALL UTILIZING DOWELS, REINFORCING STEEL, GROUT, AND ANCHORAGE AS REQUIRED TO PROVIDE A CONTINUOUS AND DURABLE WALL ASSEMBLY. SEE PLAN FOR DETAIL INFORMATION.
3. ALL CMU CELLS CONTAINING REINFORCING STEEL SHALL BE FULLY GROUTED PER PLAN.
4. NEW CMU INFILL CONSTRUCTION SHALL BE INTEGRATED WITH THE EXISTING WALL TO PROVIDE A CONTINUOUS WEATHER-RESISTANT AND FLOOD-RESISTANT BARRIER AND TO ELIMINATE POTENTIAL PATHWAYS FOR WATER INTRUSION.
5. EXTERIOR AND INTERIOR FINISHES SHALL BE RESTORED TO MATCH ADJACENT EXISTING CONSTRUCTION UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL PLANS.
6. THE COMPLETED CMU INFILL SHALL PROVIDE A PERMANENT ENCLOSURE INTENDED TO IMPROVE DURABILITY, REDUCE MAINTENANCE REQUIREMENTS, AND PROVIDE ENHANCED RESISTANCE TO WATER INFILTRATION COMPARED TO THE EXISTING WOOD-FRAMED INFILL CONSTRUCTION.

ENGINEERING NOTE

1. THE INTENT OF THIS WORK IS TO REPLACE THE EXISTING NON-MASONRY INFILL CONSTRUCTION WITHIN THE FORMER WINDOW OPENINGS WITH PERMANENT REINFORCED CMU CONSTRUCTION COMPATIBLE WITH THE EXISTING WALL SYSTEM, THEREBY IMPROVING RESISTANCE TO WATER INTRUSION AND ENHANCING THE OVERALL DURABILITY OF THE BUILDING ENVELOPE.
2. THE DRAWINGS AND DIMENSIONS PRESENTED HEREIN ARE BASED ON INFORMATION OBTAINED DURING SITE INVESTIGATIONS AND AVAILABLE PROJECT DOCUMENTATION. ACTUAL FIELD CONDITIONS MAY VARY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, ELEVATIONS, AND EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NO WORK SHALL PROCEED ON ASSUMED DIMENSIONS. ANY SIGNIFICANT DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
3. REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL FINISH REQUIREMENTS, WATERPROOFING DETAILS, WATER INTRUSION PROTECTION MEASURES, SEALANTS, FLASHING, AND EXTERIOR ENVELOPE REQUIREMENTS. THE STRUCTURAL DRAWINGS DO NOT ADDRESS ARCHITECTURAL FINISHES OR WATERPROOFING SYSTEMS.

WALL ELEVATION NOTES:

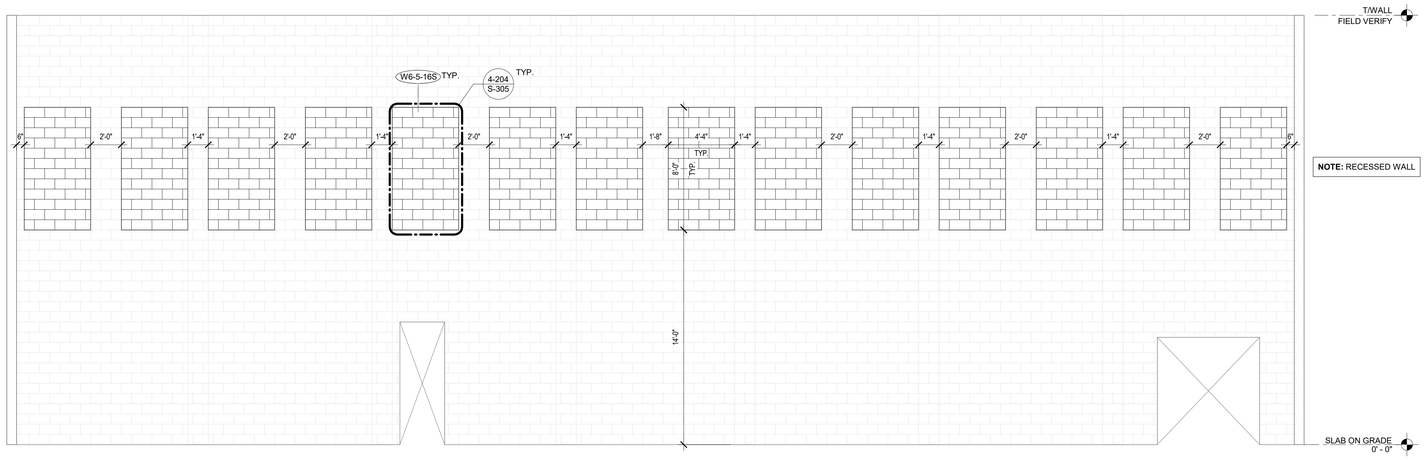
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2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
3. BALANCE OF REINFORCING PER THE SCHEDULE SHOWN ON FOUNDATION OR SLAB ON GRADE PLANS INCLUDING TYPICAL REINFORCING AT WALL OPENINGS, CORNERS, AND INTERSECTION.
4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:



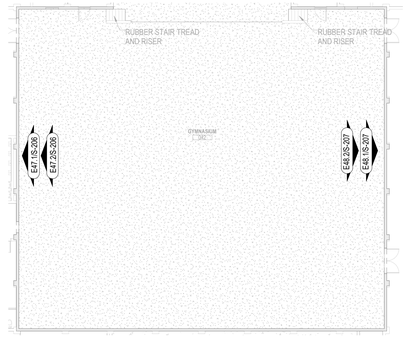
5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-304
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.

WALL SCHEDULE

TYPE	WALL THICKNESS	TYPE OF WALL	WALL REINF.	REMARKS
C8-5-16S	8"	CONCRETE	#5 AT 16" O.C. EACH WAY	CENTERED
C12-5-12S	12"	CONCRETE	#5 AT 12" O.C. EACH WAY	CENTERED
C12-6-10D	12"	CONCRETE	#6 AT 10" O.C. EACH WAY, EACH FACE	
W6-5-16S	6"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-8S	7 5/8"	CMU	#5 AT 8" VERT. O.C.	CENTERED
W8-5-16S	7 5/8"	CMU	#5 AT 16" VERT. O.C.	CENTERED
W8-5-32S	7 5/8"	CMU	#5 AT 32" VERT. O.C.	CENTERED
W8-5-40S	7 5/8"	CMU	#5 AT 40" VERT. O.C.	CENTERED
W12-5-32D	11 5/8"	CMU	(2) #5 AT 32" O.C. EACH FACE (1.5" CLEAR)	



E47.2 / S-206 WALL ELEVATION 47 - PROPOSED
SCALE: 1/4" = 1'-0"



N
BUILDING 6 - ELEVATION KEY PLAN
SCALE: 1/16" = 1'-0"

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
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CA: 8426 PROJ NO. 1413-221-31

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HB ESTIMATING REC'D 06.22.2026 - ADDENDUM #1

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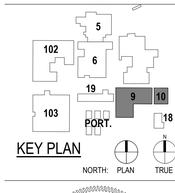
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
N
NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date
1	COORDINATION	2026/06/17

CHECKED BY: NM
DRAWN BY: AN/DN

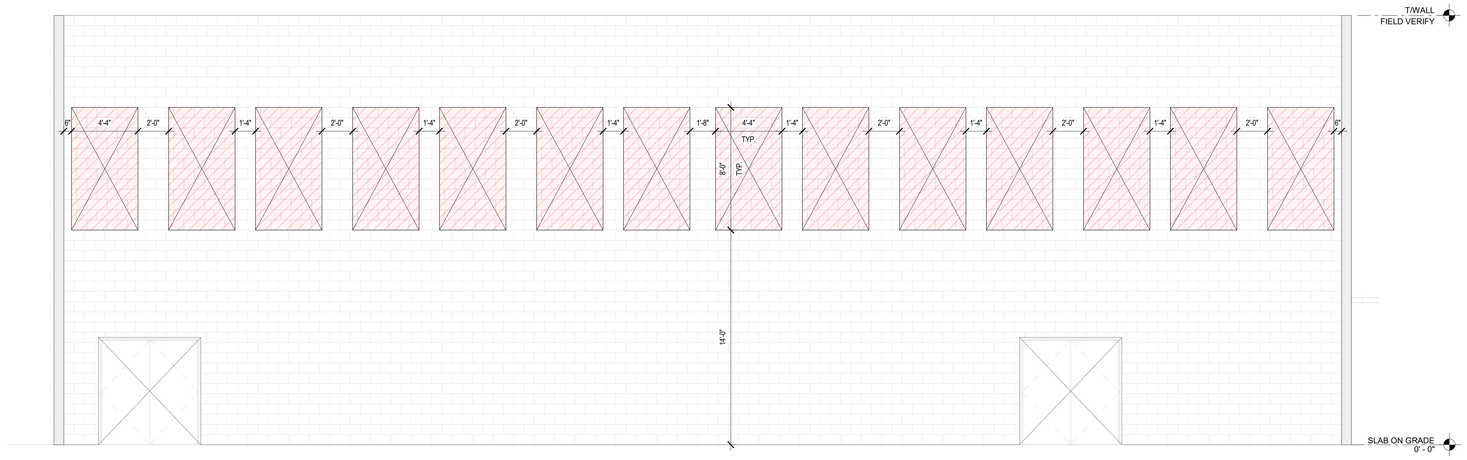
BUILDING 6 - WALL REPAIR

S-206 1

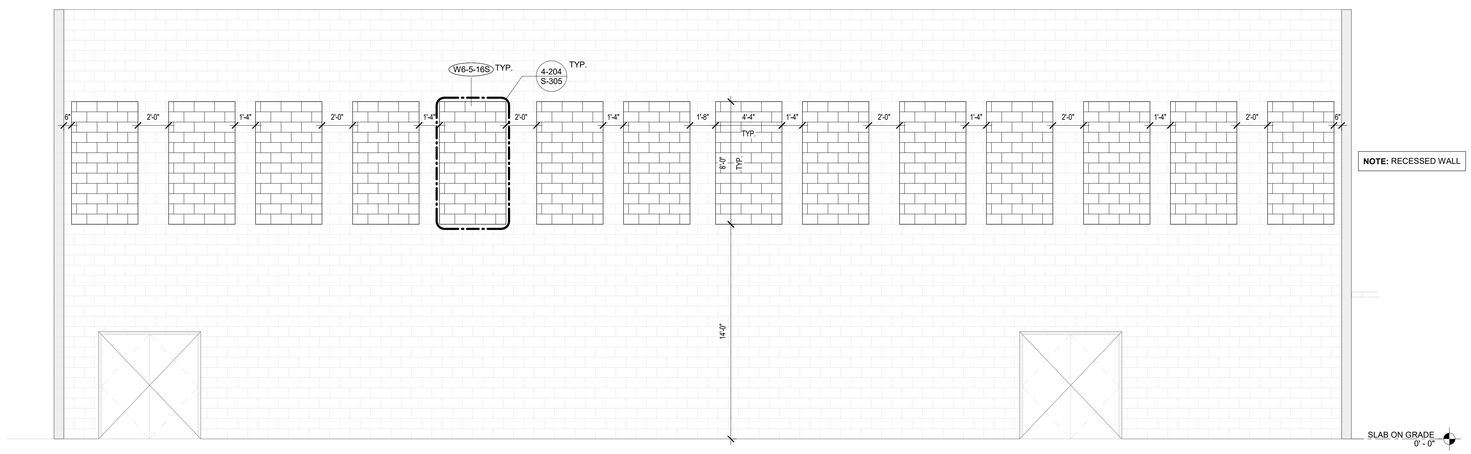
Plot Stamp:
6/13/2026 12:45:45 AM

BUILDING 6 - WALL REPAIR
S-207

0"
1"



E48.1 / S-207 WALL ELEVATION 48 - EXISTING/DEMOLITION
SCALE: 1/4" = 1'-0"



NOTE: RECESSED WALL

E48.2 / S-207 WALL ELEVATION 48 - PROPOSED
SCALE: 1/4" = 1'-0"

WALL LEGEND:

- DENOTES AREA TO BE DEMOLISHED
- DENOTES 6" CMU INFILL WALL

DEMOLITION NOTES:

1. THE EXISTING WALL IS AN APPROXIMATELY 8-INCH-THICK CMU WALL. EXISTING INFILLED OPENINGS ARE BELIEVED TO CONSIST OF WOOD FRAMING AND ASSOCIATED FINISHES INSTALLED WITHIN PREVIOUSLY EXISTING WINDOW OPENINGS.
2. THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING WOOD FRAMING, SHEATHING, FINISHES, AND ALL ASSOCIATED MATERIALS WITHIN THE INFILLED OPENINGS. DEMOLITION SHALL BE PERFORMED IN A MANNER THAT PREVENTS DAMAGE TO THE ADJACENT EXISTING CMU WALL, REINFORCING STEEL, AND SURROUNDING CONSTRUCTION.
3. NO DEMOLITION ACTIVITIES SHALL COMPROMISE THE STRUCTURAL INTEGRITY OF THE EXISTING CMU WALL. ANY DAMAGE TO THE EXISTING WALL RESULTING FROM DEMOLITION OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. EXISTING DIMENSIONS AND FIELD CONDITIONS SHALL BE VERIFIED PRIOR TO COMMENCEMENT OF DEMOLITION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING.

RECONSTRUCTION NOTES

1. FOLLOWING REMOVAL OF THE EXISTING WOOD-FRAMED INFILL, THE OPENINGS SHALL BE RECONSTRUCTED UTILIZING 6-INCH CMU UNITS MATCHING THE ARCHITECTURAL RECESSED INTENT.
2. NEW CMU INFILL SHALL BE ADEQUATELY CONNECTED TO THE EXISTING CMU WALL UTILIZING DOWELS, REINFORCING STEEL, GROUT, AND ANCHORAGE AS REQUIRED TO PROVIDE A CONTINUOUS AND DURABLE WALL ASSEMBLY. SEE PLAN FOR DETAIL INFORMATION.
3. ALL CMU CELLS CONTAINING REINFORCING STEEL SHALL BE FULLY GROUTED PER PLAN.
4. NEW CMU INFILL CONSTRUCTION SHALL BE INTEGRATED WITH THE EXISTING WALL TO PROVIDE A CONTINUOUS WEATHER-RESISTANT AND FLOOD-RESISTANT BARRIER AND TO ELIMINATE POTENTIAL PATHWAYS FOR WATER INTRUSION.
5. EXTERIOR AND INTERIOR FINISHES SHALL BE RESTORED TO MATCH ADJACENT EXISTING CONSTRUCTION UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL PLANS.
6. THE COMPLETED CMU INFILL SHALL PROVIDE A PERMANENT ENCLOSURE INTENDED TO IMPROVE DURABILITY, REDUCE MAINTENANCE REQUIREMENTS, AND PROVIDE ENHANCED RESISTANCE TO WATER INFILTRATION COMPARED TO THE EXISTING WOOD-FRAMED INFILL CONSTRUCTION.

ENGINEERING NOTE

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HB ESTIMATING REC'D 06.22.2026 - ADDENDUM #1

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Plot Stamp:
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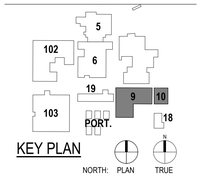
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CLIENT PROJECT NUMBER: PQ#5182600045

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MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date
1	COORDINATION	2026/06/17

CHECKED BY: NM
DRAWN BY: AN/DN

BUILDING 6 - WALL REPAIR

S-207 / 1

BUILDING 10 - DEMOLITION PLAN
S-208

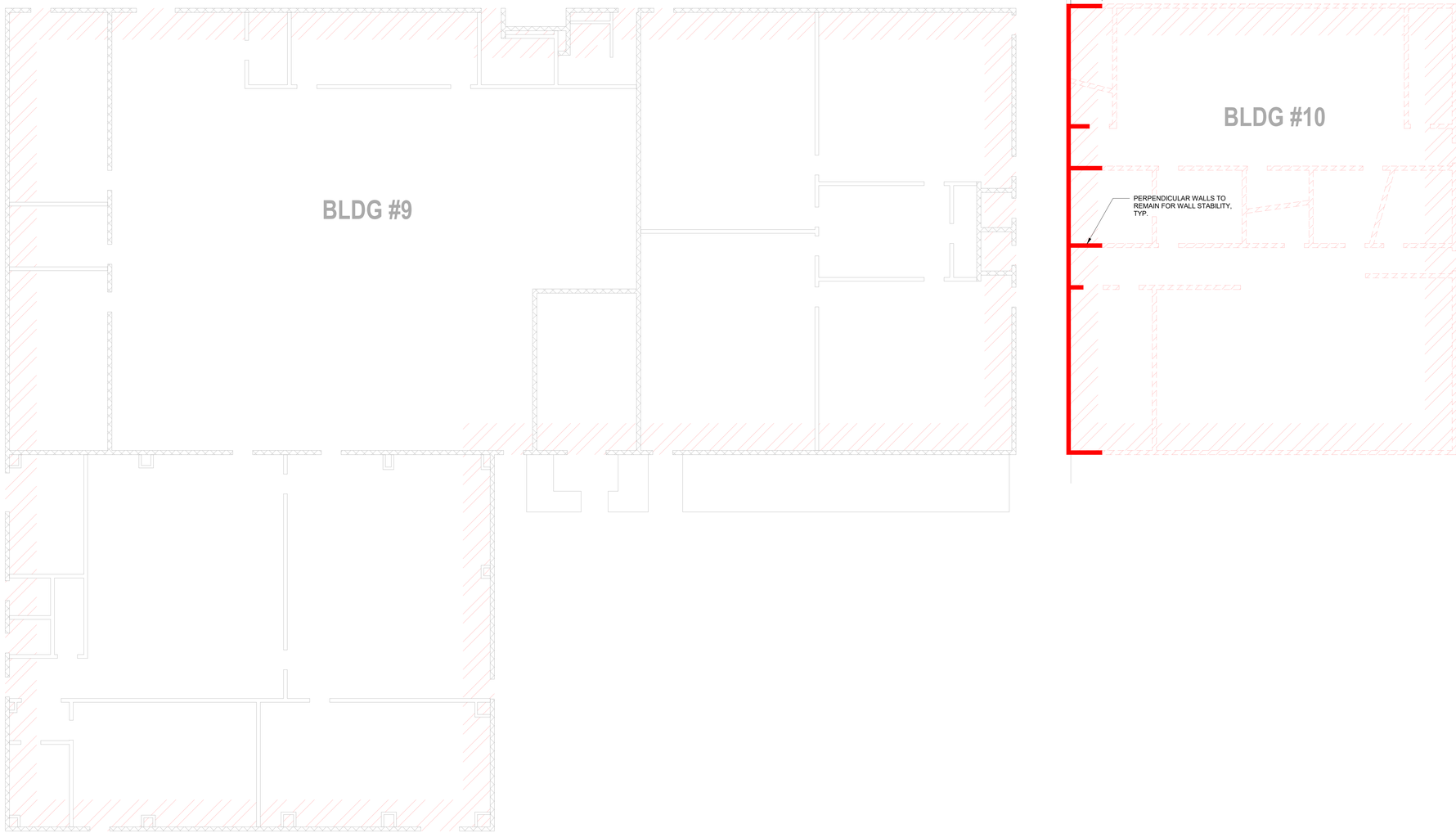
0"
1"

LEGEND:

DENOTES WALL TO REMAIN

DEMOLITION AND TEMPORARY STABILITY NOTES

1. BUILDING 10 SHALL BE DEMOLISHED PRIOR TO THE DEMOLITION OF BUILDING 9. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE REQUIRED DEMOLITION SEQUENCE AND PHASING OF THE BUILDINGS.
2. THE EAST WALL OF BUILDING 10 SHALL REMAIN IN PLACE FOLLOWING DEMOLITION OF THE REMAINDER OF BUILDING 10. THIS WALL PROVIDES SUPPORT FOR THE EXISTING WALKWAY ROOF STRUCTURE AND ASSOCIATED STEEL JOISTS OF BUILDING 9.
3. THE HATCHED PORTION OF THE WALL ADJACENT TO BUILDING 9 SHALL REMAIN IN PLACE TO PROVIDE TEMPORARY SUPPORT AND STABILITY UNTIL BUILDING 9 IS DEMOLISHED.
4. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION ACTIVITIES IN A MANNER THAT MAINTAINS THE STABILITY OF THE REMAINING WALLS AND STRUCTURAL ELEMENTS AT ALL TIMES.
5. EXISTING FOUNDATIONS ASSOCIATED WITH BUILDING 10 SHALL BE CAREFULLY REMOVED WITHOUT DAMAGING THE FOUNDATIONS REQUIRED TO SUPPORT THE REMAINING WALLS. KEEP 2' EXTRA FOUNDATION EXTENDED FROM THE WALLS TO REMAIN.
6. NO EXCAVATION SHALL BE PERFORMED BELOW THE BOTTOM OF THE REMAINING FOUNDATIONS OR WITHIN FIVE FEET (5'-0") OF THE REMAINING FOOTINGS UNLESS REVIEWED AND APPROVED BY THE ENGINEER OF RECORD.
7. DEMOLITION ACTIVITIES, CONSTRUCTION VIBRATIONS, EARTHWORK OPERATIONS, AND CONSTRUCTION OF ADJACENT STRUCTURES MAY ADVERSELY AFFECT THE STABILITY OF THE REMAINING WALLS AND STRUCTURAL ELEMENTS. THE CONTRACTOR SHALL CONTINUOUSLY MONITOR THE CONDITION OF THE REMAINING STRUCTURE FOR MOVEMENT, CRACKING, SETTLEMENT, OR OTHER SIGNS OF DISTRESS.
8. SHOULD ANY UNFORESEEN CONDITIONS, EXCESSIVE MOVEMENT, CRACKING, OR OBSERVED INSTABILITY OCCUR, DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL IMMEDIATELY CEASE IN THE AFFECTED AREA AND THE ENGINEER SHALL BE NOTIFIED.
9. THE CONTRACTOR SHALL PROVIDE ADDITIONAL TEMPORARY SHORING, BRACING, OR OTHER STABILIZATION MEASURES AS REQUIRED TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING WALLS AND SUPPORTING ELEMENTS THROUGHOUT ALL PHASES OF DEMOLITION AND CONSTRUCTION, IF NEEDED.
10. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND PERFORMANCE OF ALL TEMPORARY SHORING, BRACING, AND STABILITY MEASURES REQUIRED DURING CONSTRUCTION.
11. ALL DEMOLITION, EXCAVATION, AND CONSTRUCTION OPERATIONS SHALL BE PERFORMED IN A MANNER THAT PREVENTS DAMAGE TO THE REMAINING STRUCTURE, ADJACENT BUILDINGS, UTILITIES, AND SITE IMPROVEMENTS.



N
BUILDING 10 - DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

HB ESTIMATING REC'D 06.22.2026 - ADDENDUM #1

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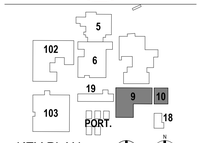
MURRAY MIDDLE SCHOOL MODERNIZATION

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STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



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FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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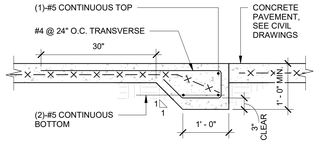
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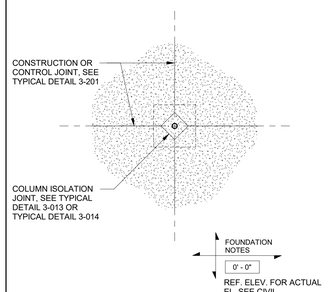
BUILDING 10 - DEMOLITION PLAN

S-208 1

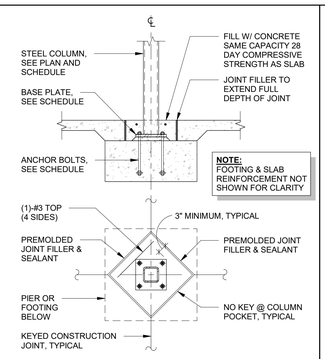
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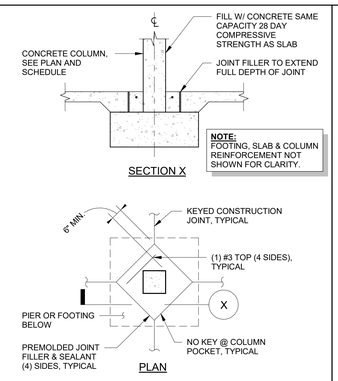
SLAB ON GRADE EDGE — 3-007



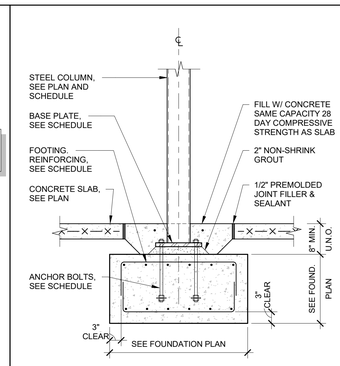
CONCRETE SLAB JOINT DETAIL — 3-012



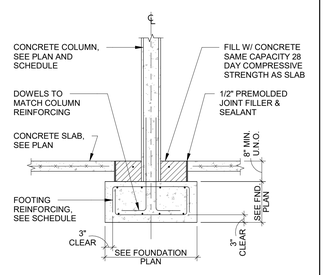
TYPICAL STEEL COLUMN ISOLATION JOINT DETAIL — 3-013



TYP. COLUMN ISOLATION JOINT DETAIL — 3-014

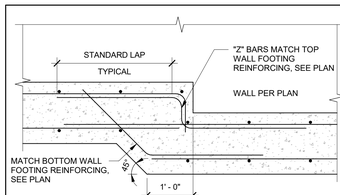


TYPICAL STEEL COLUMN FOOTING WITHOUT PIER — 3-016

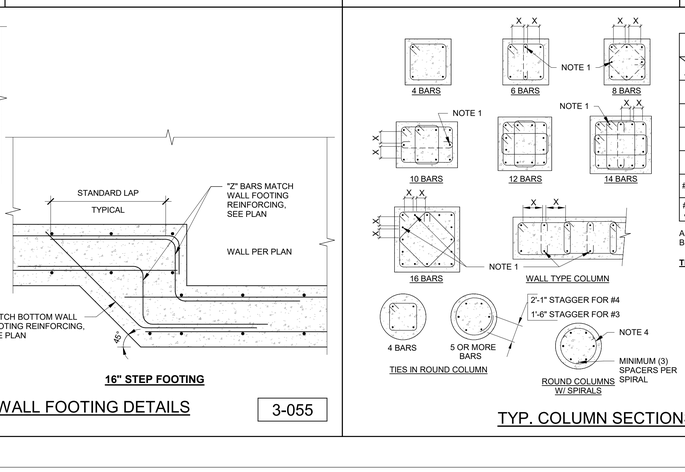


TYPICAL CONCRETE COLUMN FOOTING WITHOUT PIER — 3-017

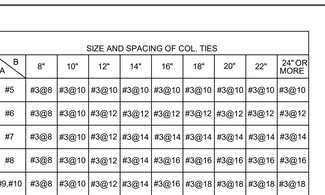
NOTE:
IN CASE OF CONFLICT BETWEEN INFORMATION SHOWN ON THIS DRAWING, SECTION DRAWINGS OR ARCHITECTURAL DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE ARCHITECT AND ENGINEER OF SUCH CONFLICT IN ORDER TO RECEIVE A CLARIFICATION BEFORE PROCEEDING TO WORK. DIMENSIONS, SIZES AND REINFORCEMENT OF STRUCTURAL ELEMENTS SHOWN IN THIS DRAWING ARE MINIMUM TO BE USED UNLESS NOTED OTHERWISE (U.N.O.) IN PLANS.



TRENCH DRAIN DETAIL — 3-018

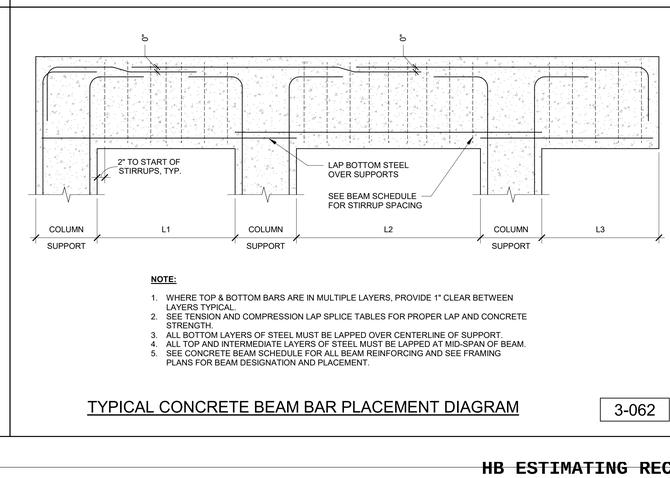


TYPICAL BOLLARD DETAIL — 3-020



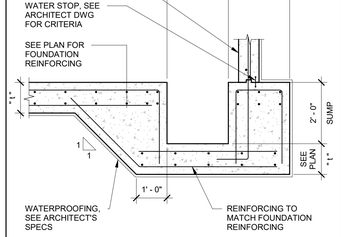
THE EXACT SIZE, SHAPE & LOCATION OF ALL EQUIPMENT (HOUSEKEEPING) PADS SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF SHOP DRAWINGS FOR THE EQUIPMENT.

CONCRETE EQUIPMENT PAD DETAILS — 3-040

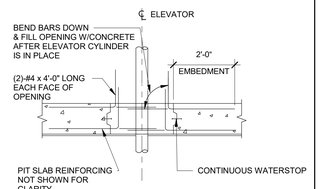


NOTES:
1. BRACE PIT WALLS UNTIL SLAB ON GRADE HAS BEEN PLACED AND CONCRETE HAS REACHED DESIGN STRENGTH.
2. SEE DETAIL 3-051 FOR TYPICAL SUMP PIT SECTION.

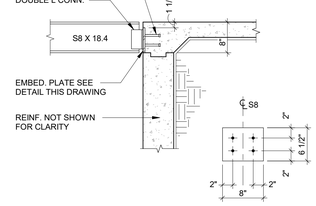
ELEVATOR PIT SECTION — 3-050



ELEVATOR SUMP PIT SECTION - 2'x2'x2' — 3-051

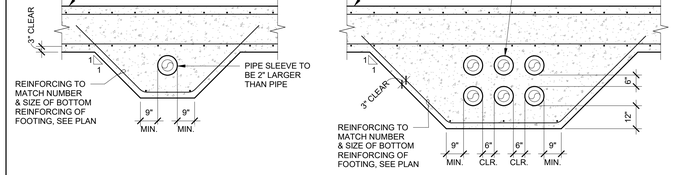


HYDRAULIC ELEVATOR SHAFT OPENING DETAIL — 3-052



EMBED PLATE

SPREADER BEAM CONN. TO WALLS OF ELEVATOR PIT — 3-053



SINGLE PIPE DETAIL — BANK OF PIPES DETAIL

PIPE SLEEVE DETAIL AT FOUNDATION — 3-054

8" STEP FOOTING

16" STEP FOOTING

NOTES:
1. DIMENSION = LAP TYPE "B" MINIMUM. SEE SHEET S-302.
2. DOWELS AND WALL REINFORCING NOT SHOWN FOR CLARITY.
3. DOWELS AS REQUIRED, SEE PLANS AND WALL REINFORCING SCHEDULES.
4. SEE FOUNDATION PLANS FOR CONTINUOUS WALL FOOTING REINFORCING.

TYPICAL STEPPED CONTINUOUS WALL FOOTING DETAILS — 3-055

SIZE AND SPACING OF COL. TIES

A \ B	8"	10"	12"	14"	16"	18"	20"	22"	24" OR MORE
#5	#3@8	#3@10	#3@10	#3@10	#3@10	#3@10	#3@10	#3@10	#3@10
#6	#3@8	#3@10	#3@12	#3@12	#3@12	#3@12	#3@12	#3@12	#3@12
#7	#3@8	#3@10	#3@12	#3@14	#3@14	#3@14	#3@14	#3@14	#3@14
#8	#3@8	#3@10	#3@12	#3@14	#3@16	#3@16	#3@16	#3@16	#3@16
#9,#10	#3@8	#3@10	#3@12	#3@14	#3@16	#3@16	#3@18	#3@18	#3@18
#11#14 & #18	#4@8	#4@10	#4@12	#4@14	#4@16	#4@18	#4@20	#4@22	#4@22

A = SIZE OF VERTICAL REINFORCING
B = LEAST DIMENSION OF COLUMN

THIS TABLE APPLY IF NO REINFORCEMENT IS PROVIDE IN COLUMN SCHEDULE.

NOTES:
1. THESE BARS MUST BE TIED AS SHOWN BY DASHED LINES WHEN "X" DISTANCE IS OVER 6 INCHES AND NEED NOT BE TIED WHEN "X" IS 6" OR LESS.
2. MINIMUM CLEAR COVER 1 1/2" TO TIES (2" FOR EXPOSED CONDITION).
3. FOR VERTICAL COLUMN REINFORCING, SEE PLAN AND COLUMN SCHEDULE.
4. FOR SPIRAL SEE COLUMN SCHEDULE.

TYP. COLUMN SECTIONS & TIE SCHEDULE — 3-061

NOTE:
1. WHERE TOP & BOTTOM BARS ARE IN MULTIPLE LAYERS, PROVIDE 1" CLEAR BETWEEN LAYERS TYPICAL.
2. SEE TENSION AND COMPRESSION LAP SPLICE TABLES FOR PROPER LAP AND CONCRETE STRENGTH.
3. ALL BOTTOM LAYERS OF STEEL MUST BE LAPPED OVER CENTERLINE OF SUPPORT.
4. ALL TOP AND INTERMEDIATE LAYERS OF STEEL MUST BE LAPPED AT MID-SPAN OF BEAM.
5. SEE CONCRETE BEAM SCHEDULE FOR ALL BEAM REINFORCING AND SEE FRAMING PLANS FOR BEAM DESIGNATION AND PLACEMENT.

TYPICAL CONCRETE BEAM BAR PLACEMENT DIAGRAM — 3-062

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www.pbk.com
FL FIRM: AR 0013140
WEST PALM BEACH, FL
561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: P0451620000/45

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
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TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, EIGHTH EDITION 2023, ACI 318-19 AND LOCAL CODES AS APPLICABLE

TYPICAL DETAILS

S-301

HB ESTIMATING REC'D 06.01.2026

Plot Stamp:
28/05/2026 2:38:56 am

TYPICAL DETAILS
S-302

0"
1"

THE MINIMUM CLEAR COVER FOR REINFORCEMENT BARS SHALL BE ONE BAR DIAMETER OR THE VALUES TABULATED BELOW, WHICHEVER IS THE GREATER.		
SLABS (LT.WT. CONC. OR STONE CONC.)		1"
GIRDERS AND BEAMS (TO STIRRUPS)		1 1/2"
JOISTS (STONE OR LT.WT.) BOTTOM BARS		1 1/4"
TIED COLUMNS AND PIERS		
SURFACE EXPOSED TO EARTH AND WEATHER	(TO TIES)	2"
OTHER SURFACES	(TO TIES)	1 1/2"
FOUNDATION ELEMENTS		
FORMED SURFACES		2"
SURFACES PLACED AGAINST EARTH		3"
EXPOSED TO EARTH OR WEATHER		2"
WALLS		
SURFACES EXPOSED TO EARTH		2"
SURFACES EXPOSED TO WEATHER		1 1/2"
OTHER SURFACES		1"

TYPICAL CONCRETE COVER FOR REINFORCING BARS
3-064

f'c = 3000 PSI, NORMAL WEIGHT

BAR SIZE	LAP CLASS	TENSION LAP SPLICES: LAP LENGTH PER SPACING AND COVER CASE — CASE 1 TOP BARS	CASE 1 OTHER BARS	CASE 2 TOP BARS	CASE 2 OTHER BARS	COMPRESSION LAP SPLICES
#3	A	22	17	32	25	12
	B	28	22	42	32	
#4	A	29	22	43	33	15
	B	37	29	56	43	
#5	A	36	28	54	41	19
	B	47	36	70	54	
#6	A	43	33	64	50	23
	B	56	43	84	64	
#7	A	63	48	94	72	26
	B	81	63	122	94	
#8	A	72	55	107	82	30
	B	93	72	139	107	
#9	A	81	62	121	93	34
	B	105	81	157	121	
#10	A	91	70	136	105	38
	B	118	91	177	136	
#11	A	101	78	151	116	42
	B	131	101	196	151	

NOTES:

CASE 1

BEAMS AND COLUMNS:
CONCRETE COVER >/= TO BAR DIAMETER, C-C BAR SPACING >/= TO 2X BAR DIAMETER AND WITH STIRRUPS OR TIES THROUGHOUT TENSION LAP SPLICE LENGTH NOT LESS THAN THE CODE MINIMUM.

OTHER MEMBERS:
CONCRETE COVER >/= TO THE BAR DIAMETER AND C-C BAR SPACING >/= TO 3X BAR DIAMETER.

CASE 2

BEAMS AND COLUMNS:
CONCRETE COVER < BAR DIAMETER AND C-C BAR SPACING < 2X BAR DIAMETER.

OTHER MEMBERS:
CONCRETE COVER < BAR DIAMETER OR C-C BAR SPACING < 3X BAR DIAMETER.

* LAP CLASS "B" IS TO BE USED UNLESS OTHERWISE SPECIFIED IN THESE CONTRACT DOCUMENTS.

TENSION AND COMPRESSION LAP SPLICES WITH F'c = 3000 PSI
3-065

f'c = 4000 PSI, NORMAL WEIGHT

BAR SIZE	LAP CLASS	TENSION LAP SPLICES: LAP LENGTH PER SPACING AND COVER CASE — CASE 1 TOP BARS	CASE 1 OTHER BARS	CASE 2 TOP BARS	CASE 2 OTHER BARS	COMPRESSION LAP SPLICES
#3	A	19	15	28	22	12
	B	24	19	36	28	
#4	A	25	19	37	29	15
	B	32	25	48	37	
#5	A	31	24	47	36	19
	B	40	31	60	47	
#6	A	37	29	56	43	23
	B	48	37	72	56	
#7	A	54	42	81	63	26
	B	70	54	106	81	
#8	A	62	48	93	71	30
	B	80	62	121	93	
#9	A	70	54	105	81	34
	B	91	70	136	105	
#10	A	79	61	118	91	38
	B	102	79	153	118	
#11	A	87	67	131	101	42
	B	113	87	170	131	

NOTES:

CASE 1

BEAMS AND COLUMNS:
CONCRETE COVER >/= TO BAR DIAMETER, C-C BAR SPACING >/= TO 2X BAR DIAMETER AND WITH STIRRUPS OR TIES THROUGHOUT TENSION LAP SPLICE LENGTH NOT LESS THAN THE CODE MINIMUM.

OTHER MEMBERS:
CONCRETE COVER >/= TO THE BAR DIAMETER AND C-C BAR SPACING >/= TO 3X BAR DIAMETER.

CASE 2

BEAMS AND COLUMNS:
CONCRETE COVER < BAR DIAMETER AND C-C BAR SPACING < 2X BAR DIAMETER.

OTHER MEMBERS:
CONCRETE COVER < BAR DIAMETER OR C-C BAR SPACING < 3X BAR DIAMETER.

* LAP CLASS "B" IS TO BE USED UNLESS OTHERWISE SPECIFIED IN THESE CONTRACT DOCUMENTS.

TENSION AND COMPRESSION LAP SPLICES WITH F'c = 4000 PSI
3-066

NOTE:
IN CASE OF CONFLICT BETWEEN INFORMATION SHOWN ON THIS DRAWING, SECTION, DRAWINGS OR ARCHITECTURAL DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE ARCHITECT AND ENGINEER OF SUCH CONFLICT IN ORDER TO RECEIVE A CLARIFICATION 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.

f'c = 5000 PSI, NORMAL WEIGHT

BAR SIZE	LAP CLASS	TENSION LAP SPLICES: LAP LENGTH PER SPACING AND COVER CASE — CASE 1 TOP BARS	CASE 1 OTHER BARS	CASE 2 TOP BARS	CASE 2 OTHER BARS	COMPRESSION LAP SPLICES
#3	A	17	13	25	19	12
	B	22	17	33	25	
#4	A	22	17	33	26	15
	B	29	22	43	33	
#5	A	28	22	42	32	19
	B	36	28	54	42	
#6	A	33	26	50	38	23
	B	43	33	65	50	
#7	A	49	37	73	56	26
	B	63	49	94	73	
#8	A	55	43	83	64	30
	B	72	55	108	83	
#9	A	63	48	94	72	34
	B	81	63	122	94	
#10	A	70	54	105	81	38
	B	91	70	137	105	
#11	A	78	60	117	90	42
	B	101	78	152	117	

NOTES:

CASE 1

BEAMS AND COLUMNS:
CONCRETE COVER >/= TO BAR DIAMETER, C-C BAR SPACING >/= TO 2X BAR DIAMETER AND WITH STIRRUPS OR TIES THROUGHOUT TENSION LAP SPLICE LENGTH NOT LESS THAN THE CODE MINIMUM.

OTHER MEMBERS:
CONCRETE COVER >/= TO THE BAR DIAMETER AND C-C BAR SPACING >/= TO 3X BAR DIAMETER.

CASE 2

BEAMS AND COLUMNS:
CONCRETE COVER < BAR DIAMETER AND C-C BAR SPACING < 2X BAR DIAMETER.

OTHER MEMBERS:
CONCRETE COVER < BAR DIAMETER OR C-C BAR SPACING < 3X BAR DIAMETER.

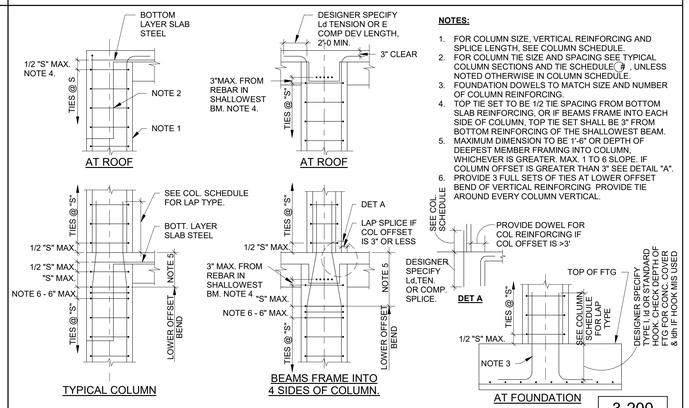
* LAP CLASS "B" IS TO BE USED UNLESS OTHERWISE SPECIFIED IN THESE CONTRACT DOCUMENTS.

TENSION AND COMPRESSION LAP SPLICES WITH F'c = 5000 PSI
3-067

FOOTING DIAGRAM NOTES:

1. ALL TOP AND BOTTOM SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES (U.N.O.)
2. ALL ADDITIONAL TOP BARS SHALL BE CENTERED AT MID-SPAN AND ALL ADDITIONAL BOTTOM BARS SHALL BE CENTERED AT COLUMN CENTER LINES. A MINIMUM OF 2 BARS @ 12" OF THE ADDITIONAL BOTTOM BARS SHALL PASS THRU THE COLUMN.
3. ALL TRANSVERSE BARS SHALL BE PLACED SYMMETRICALLY WITH RESPECT TO THE COLUMN CENTER LINES. A MINIMUM OF 2 BARS @ 12" SHALL PASS THRU THE COLUMN.
4. THE FIRST SET OF STIRRUPS WHEN REQUIRED SHALL BE PLACED 1'-0" MAXIMUM AWAY FROM THE CENTERLINE OF THE COLUMN.
5. ALL REINFORCING SHALL BE EQUALLY SPACED UNLESS OTHERWISE NOTED.
6. EE = EACH END; LE = LEFT END; RE = RIGHT END

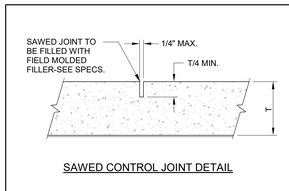
CONTINUOUS MAT DIAGRAM NOTES
3-108



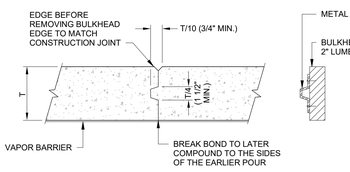
NOTES:

1. FOR COLUMN SIZE, VERTICAL REINFORCING AND SPLICE LENGTH, SEE COLUMN SCHEDULE.
2. FOR COLUMN TIE SIZE AND SPACING SEE TYPICAL COLUMN SECTIONS AND TIE SCHEDULE, @ , UNLESS NOTED OTHERWISE IN COLUMN SCHEDULE.
3. FOUNDATION DOWELS TO MATCH SIZE AND NUMBER OF COLUMN REINFORCING.
4. TOP TIE SET TO BE 1/2 TIE SPACING FROM BOTTOM SLAB REINFORCING, OR IF BEAMS FRAME INTO EACH SIDE OF COLUMN, TOP TIE SET SHALL BE 3" FROM BOTTOM REINFORCING OF THE SHALLOWEST BEAM.
5. MAXIMUM DIMENSION TO BE 1'-6" OR DEPTH OF DEEPEST MEMBER FRAMING INTO COLUMN, WHICHEVER IS GREATER. MAX. 1 TO 6 SLOPE. IF COLUMN OFFSET IS GREATER THAN 3" SEE DETAIL "A".
6. PROVIDE 3 FULL SETS OF TIES AT LOWER OFFSET BEND OF VERTICAL REINFORCING. PROVIDE TIE AROUND EVERY COLUMN VERTICAL.

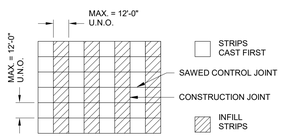
TYPICAL CONCRETE TIED COLUMN DETAIL
3-200



SAWED CONTROL JOINT DETAIL



BULKHEAD DETAILS FOR CONSTRUCTION JOINT

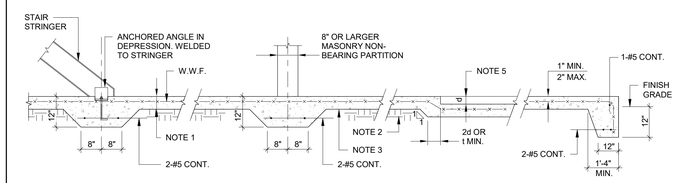


SLAB PLACEMENT SEQUENCE

NOTES:

1. CONCRETE FOR SLAB ON GRADE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AS INDICATED ON THE "CONCRETE AND REINFORCING" NOTES.
2. SUPERPLASTICIZER SHALL BE USED IN SLAB ON GRADE CONCRETE - SEE SPECIFICATIONS.
3. SLAB ON GRADE CONCRETE MIX SHALL HAVE A WATER-CEMENT RATIO AS INDICATED IN SPECS AND OR NOTES.
4. CONSTRUCTION JOINTS SHALL BE LOCATED A MINIMUM OF 5'-0" AWAY FROM ANY OTHER JOINTS TO WHICH THEY ARE PARALLEL.
5. SAW CUTTING SHALL BE DONE WITH A POWER SAW WITH A MASONRY CUTTING BLADE. CUTTING SHALL BE DONE AS SOON AS CONCRETE HARDENS ENOUGH SO THAT THE BLADE DOES NOT DISLODGE THE AGGREGATES.
6. WHERE SAWCUT IS DISCONTINUED AT A TRANSVERSE JOINT, STOP CUT 2" SHORT.
7. SLAB REINFORING NOT SHOWN FOR CLARITY.

TYPICAL SLAB ON GRADE JOINT DETAILS
3-201

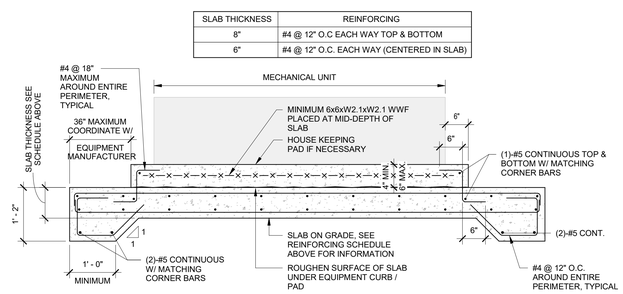


UNLESS NOTED ON PLANS:

1. SEE FOUNDATION NOTES FOR SLAB THICKNESS AND REINFORCING.
2. SLABS SHALL BEAR ON COMPACTED FILL.
3. COMPACTED FILL SHALL BE COVERED WITH VAPOR BARIER AT HAUNCHES. SEE SPECS.
4. UNDER MACHINE EQUIPMENT DEEPEN SLAB TO 8" AND ADD TWO LAYERS OF WELDED WIRE FABRIC BOTTOM, U.N.O
5. FOR DEPRESSIONS - SEE ARCHITECTURAL DRAWINGS.
6. AT CONSTRUCTION JOINTS USE WOOD FORMS WITH SHEAR KEYS.
7. STOP WIRE MESH AT CONSTRUCTION JOINTS. CUT EVERY OTHER WIRE AT SAWCUT JOINT.
8. WHERE SLAB IS DOWELD INTO WALL, FIRST SLAB CONSTRUCTION JOINT TO BE NOT MORE THAN 15 FEET FROM WALL.
9. FOR EXPANSION JOINT LOCATION SEE PLAN. FOR DETAILS SEE ARCHITECTURAL DRAWINGS.

TYPICAL SLAB ON GRADE DETAILS
3-202

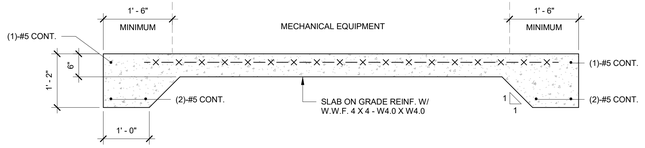
SLAB THICKNESS	REINFORCING
8"	#4 @ 12" O.C EACH WAY TOP & BOTTOM
6"	#4 @ 12" O.C. EACH WAY (CENTERED IN SLAB)



NOTES:

1. THE EXACT SIZE, SHAPE AND LOCATION OF ALL EQUIPMENT (HOUSEKEEPING) PADS SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF SHOP DRAWINGS FOR THE EQUIPMENT.

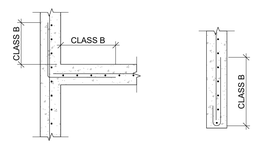
HEAVY MACHINE / EQUIPMENT SLAB ON GRADE DETAIL
3-203



NOTES:

1. THE EXACT SIZE, SHAPE AND LOCATION OF ALL EQUIPMENT (HOUSEKEEPING) PADS SHALL BE DETERMINED BY THE CONTRACTOR AFTER APPROVAL OF SHOP DRAWINGS FOR THE EQUIPMENT.

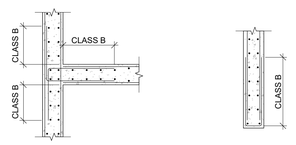
SMALL MACHINE / EQUIPMENT SLAB ON GRADE DETAIL
3-204



NOTES:

1. SPLICE HORIZONTAL BARS AS SHOWN.
2. SEE REINFORCING DEVELOPMENT LENGTH AND LAP SPLICE DETAIL FOR REQUIRED LENGTHS.

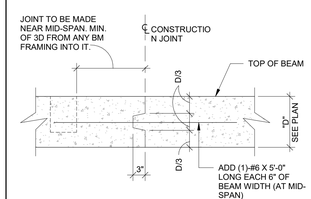
TYPICAL CONCRETE WALL REINFORCING DETAIL W/ (1) LAYER OF REINFORCING



NOTES:

1. SPLICE HORIZONTAL BARS AS SHOWN.
2. SEE REINFORCING DEVELOPMENT LENGTH AND LAP SPLICE DETAIL FOR REQUIRED LENGTHS.

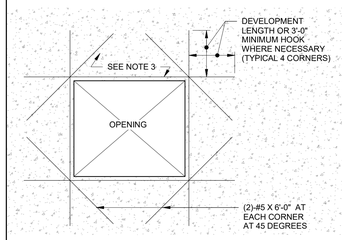
TYPICAL CONCRETE WALL REINFORCING DETAIL W/ (2) LAYERS OF REINFORCING
3-208



NOTE:

1. ALL REINFORCING SHALL BE CONTINUOUS THRU JOINT.
2. ALL CONSTRUCTION JOINTS SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR, GENERALLY AT MID-SPAN UNLESS OTHERWISE NOTED.

TYPICAL CONSTRUCTION JOINT DETAIL IN CONCRETE BEAMS
3-213



NOTES:

1. HOOK ALL INTERRUPTED CONTINUOUS BARS.
2. ONE-HALF OF REINFORCING BAR AREA INTERRUPTED BY OPENING SHALL BE PROVIDED EACH SIDE OF OPENING IN THE SAME FACE. MINIMUM = (2)-#6 EACH SIDE.
3. PROVIDE BEAM REINFORCING OVER OPENINGS.

TYP DETAIL OF OPENING IN CONCRETE WALL
3-217

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: P0451826000045

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PBK
www.pbk.com
FL FIRM: AR 0013140
WEST PALM BEACH, FL
561-478-4457

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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CHECKED BY: NM
DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
P | 954.210.7671 F | 813.287.3622

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CA: 8426 PROJ NO. 1413-221-31

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, EIGHTH EDITION 2023, ACI 318-19 AND LOCAL CODES AS APPLICABLE

TYPICAL DETAILS

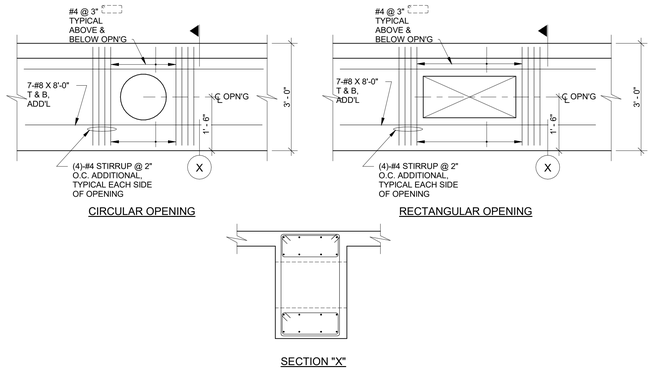
S-302

HB ESTIMATING REC'D 06.01.2026

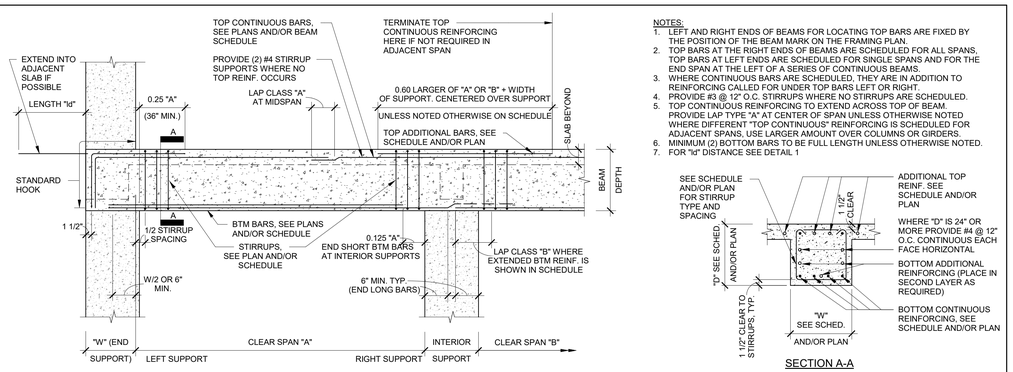
Plot Stamp:
28/05/2026 2:38:58 am

TYPICAL DETAILS
S-303

0"
1"



TYPICAL BEAM OPENING DETAIL — 3-221

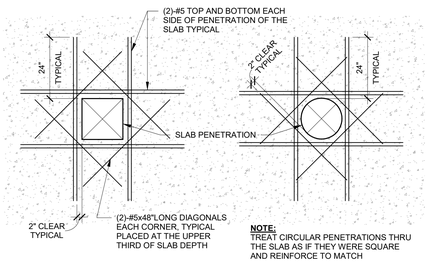


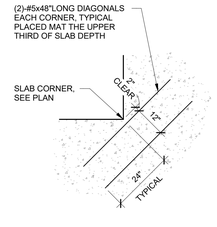
NOTES:
1. LEFT AND RIGHT ENDS OF BEAMS FOR LOCATING TOP BARS ARE FIXED BY THE POSITION OF THE BEAM MARK ON THE FRAMING PLAN.
2. TOP BARS AT THE RIGHT ENDS OF BEAMS ARE SCHEDULED FOR ALL SPANS, TOP BARS AT LEFT ENDS ARE SCHEDULED FOR SINGLE SPANS AND FOR THE END SPAN AT THE LEFT OF A SERIES OF CONTINUOUS BEAMS.
3. WHERE CONTINUOUS BARS ARE SCHEDULED, THEY ARE IN ADDITION TO REINFORCING CALLED FOR UNDER TOP BARS LEFT OR RIGHT.
4. PROVIDE #3 @ 12" O.C. STIRRUPS WHERE NO STIRRUPS ARE SCHEDULED.
5. TOP CONTINUOUS REINFORCING TO EXTEND ACROSS TOP OF BEAM. PROVIDE LAP TYPE "A" AT CENTER OF SPAN UNLESS OTHERWISE NOTED WHERE DIFFERENT "TOP CONTINUOUS" REINFORCING IS SCHEDULED FOR ADJACENT SPANS, USE LARGER AMOUNT OVER COLUMNS OR GIRDERS.
6. MINIMUM (2) BOTTOM BARS TO BE FULL LENGTH UNLESS OTHERWISE NOTED.
7. FOR "ld" DISTANCE SEE DETAIL 1

SECTION A-A

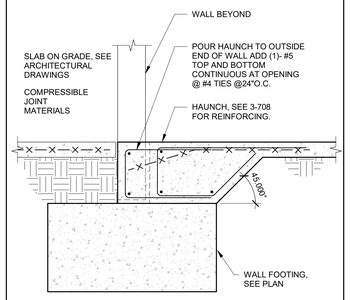
TYPICAL CONCRETE BEAM REINFORCING DETAIL — 3-250

NOTE:
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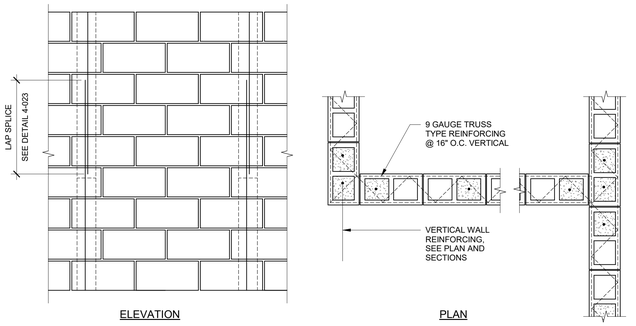




TYPICAL SLAB REINFORCING AT PENETRATIONS & CORNERS — 3-520

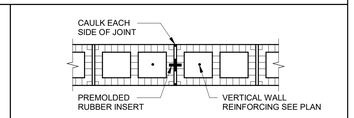


TYPICAL OPENING DETAIL @ FOUNDATION — 3-709

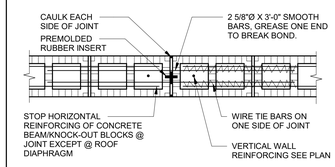


NOTE:
PROVIDE INSPECTION PORT AT BOTTOM OF LIFT GREATER THAN 4' - 0" IN HEIGHT.

TYP MASONRY WALL DETAIL — 4-001



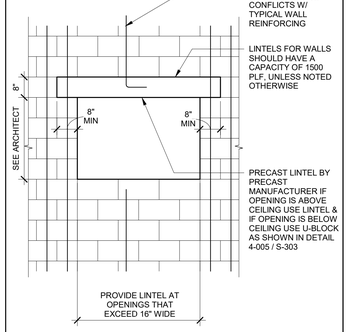
MASONRY CONTROL AT REGULAR BLOCKS
NOTE: DISCONTINUE HORIZONTAL REINFORCING AT JOINT



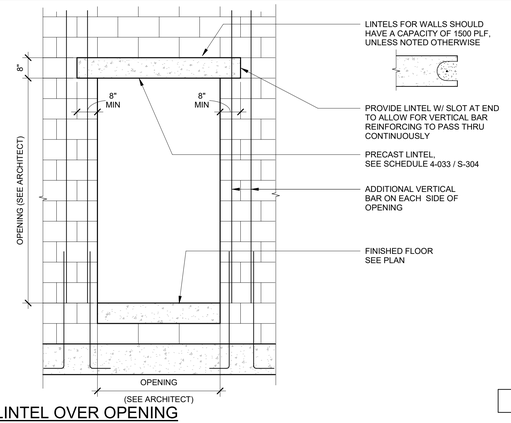
MASONRY CONTROL AT CONC. BEAM/KNOCK-OUT BLOCKS
NOTE: DISCONTINUE HORIZONTAL REINFORCING AT JOINT

NOTE:
1. MAXIMUM SPACING OF CONTROL JOINT EQUALS 24'-0" OR THREE TIMES WALL HEIGHT (WHICH EVER IS SMALLER)

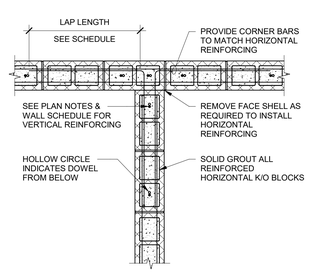
MASONRY CONTROL JOINT — 4-002



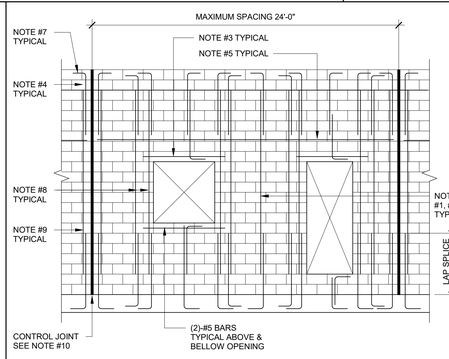
TYPICAL LINTEL OVER DUCT OPENING — 4-004



TYPICAL LINTEL OVER OPENING — 4-005

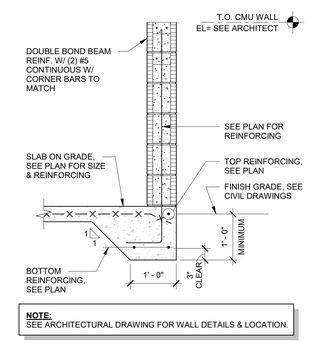


TYPICAL CMU K/O BLOCK REINFORCING LAYOUT — 4-008



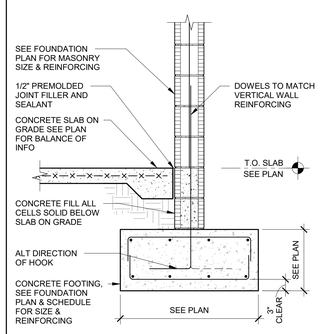
NOTES:
1. VERTICAL WALL REINFORCING SHALL ALIGN WITH VERTICAL FOUNDATION DOWELS. DOWELS SHALL BE PLACED AS SHOWN ON DETAILS WITH STANDARD ACI HOOK DIRECTLY ON TOP OF BOTTOM LAYER OF FOOTING REINFORCING. REFER TO CMU WALL REINFORCING SCHEDULE ON PLAN FOR SIZE AND SPACING.
2. TYPICAL VERTICAL WALL REINFORCING TO BE PLACED AS SHOWN ON DETAILS. GROUT CELLS FULL THAT CONTAIN REINFORCEMENT.
3. REFER TO CMU LINTEL SCHEDULE FOR SIZE, LOCATION AND QUANTITY OF LINTEL REINFORCEMENT.
4. VERTICAL REINFORCING BARS MAY BE SPLICED IN 6'-0" TO 8'-0" LENGTHS.
5. HORIZONTAL WALL REINFORCING SHALL BE TRUSS TYPE AT 16" O.C. ABOVE GRADE AND 8" O.C. BELOW GRADE UNLESS OTHERWISE NOTED ON PLANS AND DETAILS. DISCONTINUE AT CONTROL JOINTS.
6. CONTRACTOR SHALL USE THE LOW LIFT METHOD OF GROUTED MASONRY CONSTRUCTION UNLESS CLEAN OUTS ARE PROVIDED AT EACH VERTICAL REINFORCING BAR.
7. REFER TO PLANS AND DETAILS FOR SIZE AND LOCATION OF BOND BEAMS AND QUANTITY OF REINFORCING. LAP REINFORCING 24" MINIMUM. DISCONTINUE BOND BEAMS AT CONTROL JOINTS.
8. REFER TO LINTEL SCHEDULE NOTES FOR VERTICAL BARS ADJACENT TO OPENING.
9. PROVIDE VERTICAL WALL REINFORCING IN FIRST CELL NEXT TO CONTROL JOINTS/CORNERS/OPENINGS, TYPICAL.
10. VERTICAL CONTROL JOINTS SHALL TERMINATE AT TOP OF FOOTING.
11. PROVIDE CORNER BARS TO MATCH TYPE AND QUANTITY OF HORIZONTAL WALL REINFORCING, TYPICAL.

CMU WALL REINFORCING LAYOUT — 4-009

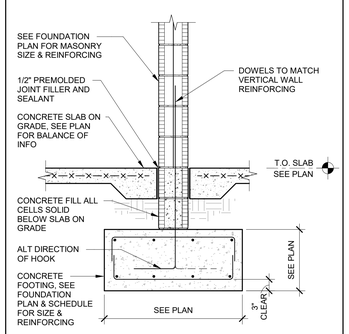


NOTE:
SEE ARCHITECTURAL DRAWING FOR WALL DETAILS & LOCATION.

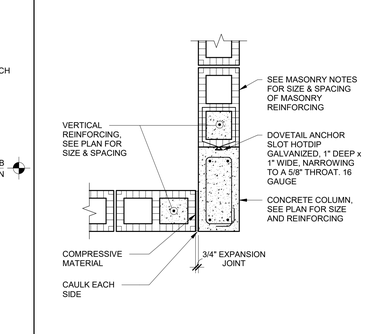
TYPICAL HAUNCH AT MASONRY WALLS — 4-010



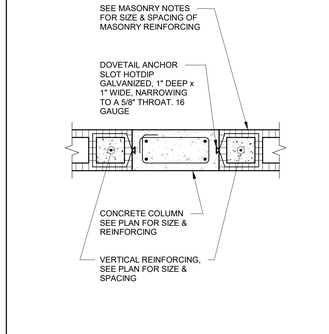
PARTIAL CMU WALL SECTION — 4-012



PARTIAL CMU WALL SECTION — 4-015



CONCRETE COLUMN TO MASONRY CORNER CONNECTION — 4-021



CONCRETE COLUMN TO MASONRY CONNECTION — 4-022

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182000045

100% CONSTRUCTION DOCUMENTS

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS, P.E.
FL LIC. No. 97374

CLIENT: MARTIN COUNTY SCHOOL DISTRICT
DATE: 2026/05/25
PROJECT NUMBER: 25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
P | 954.210.7671 F | 813.287.3622

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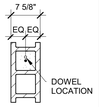
TYPICAL DETAILS

S-303

Plot Stamp:
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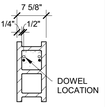
HB ESTIMATING REC'D 06.01.2026

LAP SPLICE SCHEDULE FOR SINGLE REINFORCED 8" CMU WALL		
BAR SIZE	LAP SPLICE	REMARKS
#3	18"	
#4	24"	
#5	30"	
#6	36"	



LAP SPLICE SCHEDULE SINGLE REINFORCED 8" CMU WALL

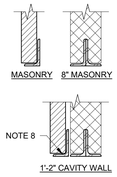
LAP SPLICE SCHEDULE FOR DOUBLE REINFORCED 8" CMU WALL		
BAR SIZE	LAP SPLICE	REMARKS
#3	18"	
#4	24"	
#5	30"	
#6	36"	



LAP SPLICE SCHEDULE DOUBLE REINFORCED 8" CMU WALL

4-023

LOOSE LINTE SCHEDULE	
OPENING SIZES	OPENING SIZES
UP TO 4'-0"	L3 1/2"x3 1/2"x1/4"
OVER 4'-0" - 5'-0"	L4"x3 1/2"x1/4"
OVER 5'-0" - 6'-0"	L4"x3 1/2"x5/16"
OVER 6'-0" - 7'-0"	L5"x3 1/2"x5/16"
OVER 7'-0" - 8'-0"	L6"x3 1/2"x5/16"
OVER 8'-0"	NOTE 6

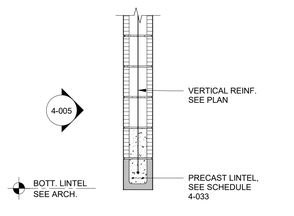


NOTES (UNLESS NOTED):

1. PROVIDE ONE ANGLE FOR EACH 4" OF MASONRY WIDTH.
2. FOR 6" MASONRY WIDTH USE L5"x5"x5/16" UP TO 5'-0" OPENING SIZE AND L5"x5"x3/8" UP TO 8'-0" OPENING SIZE.
3. BEAR LINTELS 6" MINIMUM EACH END OF OPENING.
4. ALL DOUBLE ANGLE LINTELS BACK TO BACK SHALL BE BOLTED AT 2'-6"O.C. MAXIMUM. MINIMUM OF TWO BOLTS PER LINTEL.
5. STRUCTURAL STEEL CONTRACTOR SHALL SUBMIT A COMPLETE SCHEDULE OF LOOSE LINTELS WITH THE ERECTION PLANS SHOWING MARK, MASONRY OPENING, ANGLE SIZE, LENGTH AND DIMENSIONED SECTION. WHERE LINTEL MARKS ARE USED ON PLAN, USE THE SAME MARK WITH SUBMARK, A,B,C,D, ETC. FOR DIFFERENT LENGTH.
6. W-SECTION WITH 1/4" CONTINUOUS PLATE (W DEPTH = 1/12 OF SPAN; CONTINUOUS PLATE WIDTH = MASONRY LESS 1") BEARING EACH END TO BE 8" MINIMUM.
7. WHERE EDGE OF OPENING IS LESS THAN 1'-0" FROM COLUMN FACE, EXTEND LINTEL AND CONNECT TO COLUMN.
8. AT CAVITY WALLS EXTERIOR ANGLE TO HAVE 5" HORIZONTAL LEG.
9. FOR ALL OPENINGS IN WALLS, SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.

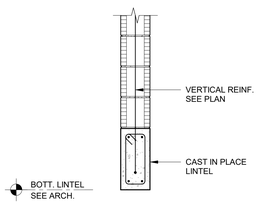
LOOSE LINTEL SCHEDULE

4-030



TYPICAL PRECAST LINTEL SECTION

4-031



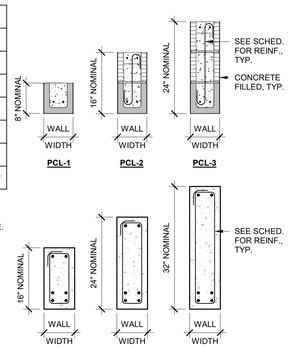
TYPICAL CAST IN PLACE LINTEL SECTION

4-032

CMU LINTEL SCHEDULE					
WALL THICKNESS	LINTEL DEPTH	BOTTOM REINFORCING	TOP REINFORCING	STIRRUPS & SPACING	OPENING SIZE
PCL-1	8"	(2) #5	-	-	UP TO 4'-4"
PCL-2	16"	(2) #5	(2) #5	#3 @ 9"	4'-5" TO 7'-0"
PCL-3	24"	(2) #6	(2) #6	#3 @ 9"	7'-1" TO 10'-0"
CIPL-1	16"	(2) #5	(2) #5	#3 @ 9"	UP TO 7'-0"
CIPL-2	24"	(2) #5	(2) #5	#3 @ 9"	7'-1" TO 12'-0"
CIPL-3	32"	(2) #6	(2) #6	#3 @ 9"	12'-1" TO 16'-0"

NOTES:

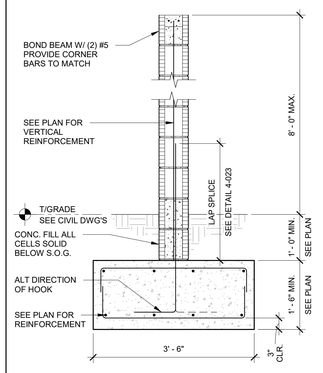
1. PRECAST CONCRETE LINTELS CAN BE INSTALLED AT ALL OPENINGS PER SCHEDULE. CAST IN PLACE CONCRETE LINTELS SHALL BE PLACED WHERE SHOWN ON PLANS. SUBSTITUTED UPON APPROVAL BY ENGINEER.
2. GROUTED LINTEL (THROUGH) BLOCKS SHALL EXTEND A MINIMUM OF 8" BEYOND FACE OF OPENING EACH SIDE UNLESS NOTED OTHERWISE. THE FIRST TWO VERTICAL CELLS EACH OF THE OPENING SHALL BE GROUTED AND CONTAIN (2) #5 VERTICAL EACH FACE.
   NOTE: THE FIRST CELL EACH SIDE OF THE OPENING SHALL BE GROUTED TO LINTEL LEVEL. SECOND CELL SHALL BE GROUTED TO ROOF LEVEL.
3. SEE SPECIFIC DETAIL FOR BRICK LEDGE SUPPORT ANGLE OF LOOSE LINTEL SCHEDULE.
4. CONSTRUCTION/CONTROL JOINT SHALL NOT BE LOCATED WITHIN WIDTH OF OPENING, NOR SHALL IT BE LOCATED WITHIN 24" OF THE OPENING ON EITHER SIDE.
5. CONCRETE LINTEL BEARING EACH SIDE OF LINTEL TO BE EQUAL TO DEPTH OF LINTEL, TYPICAL UNLESS NOTED OTHERWISE.



TYP. PRECAST/C.I.P. LINTEL DETAIL

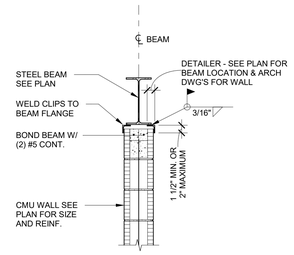
4-033

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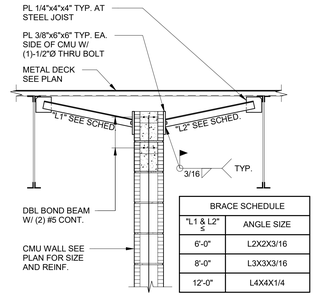
CMU SCREEN WALL

4-045



TYPICAL NON BEARING WALL BRACE DETAIL

4-060

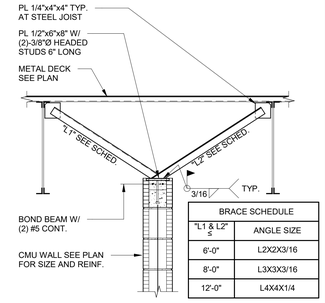


BRACE SCHEDULE	
"L1 & L2" ≤	ANGLE SIZE
6'-0"	L2X2X3/16
8'-0"	L3X3X3/16
12'-0"	L4X4X1/4

NOTE:
MAXIMUM SPACING OF WALL BRACING SHALL NOT EXCEED 6'-0" ON CENTER UNLESS NOTED OTHERWISE IN PLANS OR SECTIONS.

TYPICAL INTERIOR NON-LOAD BEARING WALL BRACE DETAIL

4-061

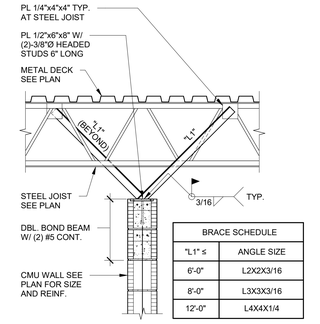


BRACE SCHEDULE	
"L1 & L2" ≤	ANGLE SIZE
6'-0"	L2X2X3/16
8'-0"	L3X3X3/16
12'-0"	L4X4X1/4

NOTE:
MAXIMUM SPACING OF WALL BRACING SHALL NOT EXCEED 6'-0" ON CENTER UNLESS NOTED OTHERWISE IN PLANS OR SECTIONS.

TYPICAL INTERIOR NON-LOAD BEARING WALL BRACE DETAIL

4-062

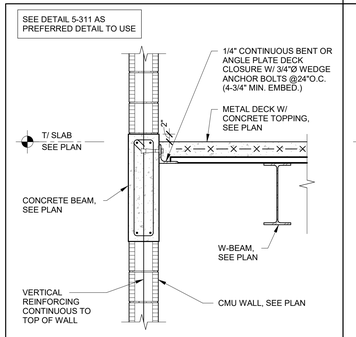


BRACE SCHEDULE	
"L1" ≤	ANGLE SIZE
6'-0"	L2X2X3/16
8'-0"	L3X3X3/16
12'-0"	L4X4X1/4

NOTE:
ALTERNATE DIRECTION OF L BRACE AT EACH JOIST.

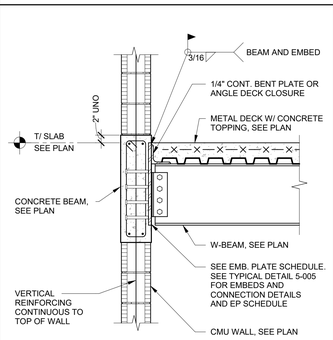
TYPICAL INTERIOR WALL BRACE DETAIL

4-063



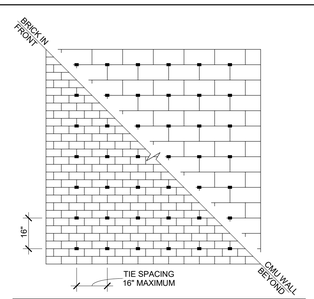
STEEL BEAM PARALLEL TO BEARING WALL

4-066



STEEL BEAM TO BEARING WALL

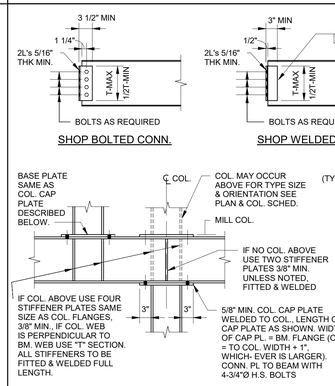
4-065



NOTE:
USE HECKMANN NO. 75 POS-I-TIE WITH 4- NO. 75 TRIANGLE WIRE TIE. PROVIDE CONTINUOUS 3/16" HOT DIP GALVANIZED WIRE AT MORTAR JOINTS AND ATTACH TO TRIANGLE TIE WITH WELDED NO. 370 SEISMIC CLIP OR EQUIVALENT.
AROUND ALL OPENINGS TIE SPACING MUST TIGHTENED TO 8"O.C. FOR A WIDTH OF 36" AROUND THE OPENINGS.

FINISH MASONRY CONNECTION TO CMU WALL

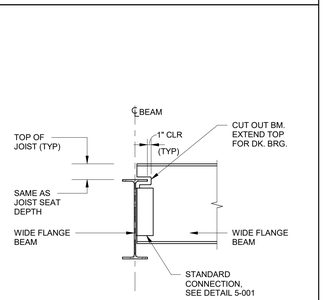
4-084


3 1/2" MIN
1 1/4"
2L's 5/16" THK MIN.
T-MAX
1/2"-MIN
BOLTS AS REQUIRED
SHOP BOLTED CONN.
3" MIN
1/2"
WELD AS REQ'D. SEE NOTE #1
SHOP WELDED CONN.
NOTE: DIMENSIONS SHOWN AS DEFINED BY A.I.S.C. MANUAL OF STEEL CONSTR.
BASE PLATE SAME AS COL. CAP PLATE DESCRIBED BELOW.
C COL.
COL. MAY OCCUR ABOVE FOR TYPE SIZE & ORIENTATION SEE PLAN & COL. SCHED.
MILL COL.
IF NO COL. ABOVE USE TWO STIFFENER PLATES 3/8" MIN., UNLESS NOTED, FITTED & WELDED
IF COL. ABOVE USE FOUR STIFFENER PLATES SAME SIZE AS COL. FLANGES, 3/8" MIN., IF COL. WEB IS PERPENDICULAR TO BM. WEB USE "T" SECTION. ALL STIFFENERS TO BE FITTED & WELDED FULL LENGTH.
3"
5/8" MIN. COL. CAP PLATE WELDED TO COL., LENGTH OF CAP PLATE AS SHOWN. WIDTH OF CAP PL. = BM. FLANGE (OR = TO COL. WIDTH + 1", WHICH- EVER IS LARGER). CONN. PL TO BEAM WITH 4-3/4"Ø H.S. BOLTS
(TYP) 1/4" MIN.
WELD PLATES
NOTE #7
D
NOTE #1
3/8" PL. MIN. CONT. THRU COLUMN
TUBE OR PIPE COL.
1 1/4" MIN.
D+4 1/2" MAX.
1 1/4" MIN
NOTES:
1. ALL CONNECTIONS SHALL BE DESIGNED FOR 1/2 MAX. UNIFORM LOAD CARRYING CAPACITY UNLESS GREATER REACTION IS SHOWN ON PLAN. IN ANY CASE, CONNECTIONS SHALL NOT BE LESS THAN STD. A.I.S.C. CONNECTION FOR THE PARTICULAR BEAM. DEPTH.
2. DETAILER SHALL SUBMIT FOR APPROVAL, STANDARD CONNECTION DETAILS CONFORMING TO ABOVE DETAILS W/ERECTION DRAWING. SUBMISSION.
3. MILL COLUMNS TO BEAR OR PROVIDE FULL PENETRATION WELD AT BASE PL'S & CAP PL'S AT COLUMNS CARRYING BEAMS.
4. AT CONNECTION OF HUNG BEAM, TO CANTILEVERED BEAMS. PROVIDE STANDARD 2 L CONNECTION AS PER NOTE 1 FOR LOAD CAPACITY OF HUNG BEAM.
5. WHERE BEAMS FRAME TO FITTED STIFFENERS AT COLUMNS PROVIDE SHEAR PLATE CONNECTION W/ STRENGTH CAPACITY AS PER NOTE 1.
6. ALL BOLTS TO BE MIN. 3/4"Ø. A-325 H.S. BOLTS FRICTION-TYPE UNLESS NOTED OTHERWISE. ALL WELDING ELECTRODES TO BE E70 XX.
7. INSTALL THRU PLATE FOR BEAMS WITH LARGER REACTION FIRST AND WELD PLATES W/ LOWER REACTIONS TO IT.

BEAM OVER COLUMN AND COLUMN OVER BEAM

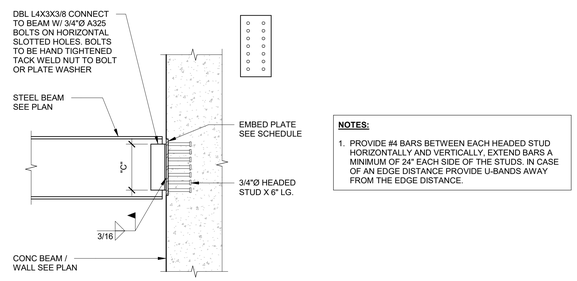
FRAMED CONNECTION AT TUBE/PIPE COLUMN

5-001



TYP. DETAIL WHERE WIDE FLANGE BEAMS REPLACE JOIST

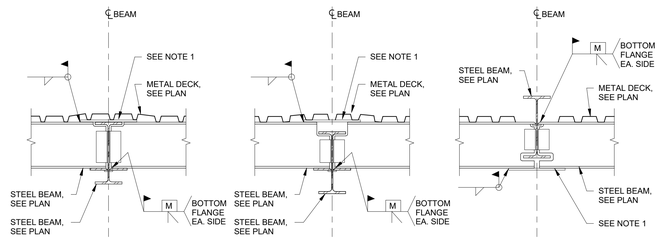
5-002



NOTES:
1. PROVIDE #4 BARS BETWEEN EACH HEADED STUD HORIZONTALLY AND VERTICALLY, EXTEND BARS A MINIMUM OF 24" EACH SIDE OF THE STUDS. IN CASE OF AN EDGE DISTANCE PROVIDE U-BANDS AWAY FROM THE EDGE DISTANCE.

STEEL BEAM TO CONCRETE CONNECTION

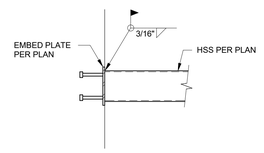
5-005



NOTES:
1. STEEL PLATE SIZE AND THICKNESS AS NEEDED TO DEVELOP FULL MOMENT CAPACITY TRANSFER THRU CONNECTION

TYPICAL MOMENT CONNECTION AT BEAMS

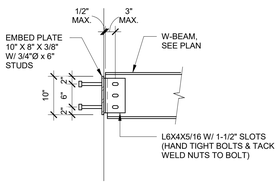
5-009



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

TYP TUBE STEEL CONN.

5-013



TYP CONN. @ EXP JOINT

5-014

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STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
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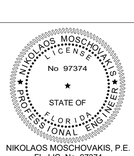
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WEST PALM BEACH, FL
561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

CLIENT PROJECT NUMBER: PQ#5182000045
4400 SE MURRAY STREET
STUART, FLORIDA 34997

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

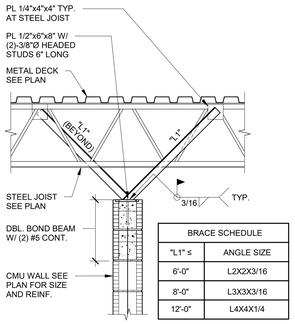
CHECKED BY: NM
DRAWN BY: AN/DN

TYPICAL DETAILS

S-304

HB ESTIMATING REC'D 06.01.2026

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28/05/2026 2:39:03 am

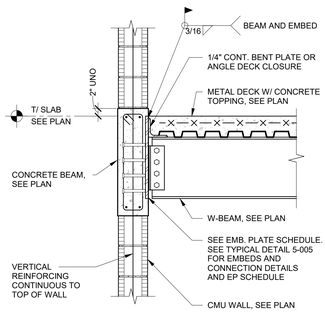


BRACE SCHEDULE	
"L1" ≤	ANGLE SIZE
6'-0"	L2X2X3/16
8'-0"	L3X3X3/16
12'-0"	L4X4X1/4

NOTE:
ALTERNATE DIRECTION OF L BRACE AT EACH JOIST.

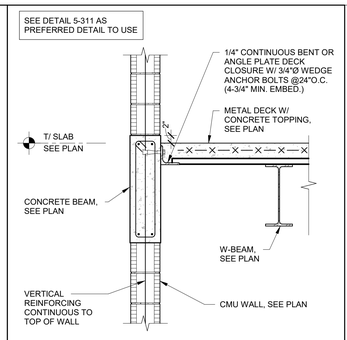
TYPICAL INTERIOR WALL BRACE DETAIL

4-063



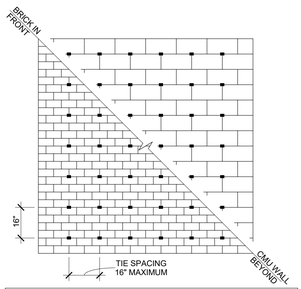
STEEL BEAM TO BEARING WALL

4-065



STEEL BEAM PARALLEL TO BEARING WALL

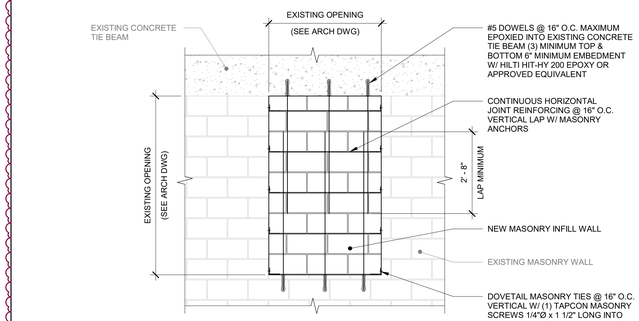
4-066



NOTE:
USE HECKMANN NO. 75 POS-I-TIE WITH 4- NO. 75 TRIANGLE WIRE TIE PROVIDE CONTINUOUS 3/16" HOT DIP GALVANIZED WIRE AT MORTAR JOINTS AND ATTACH TO TRIANGLE TIE WITH WELDED NO. 370 SEISMIC CLIP OR EQUIVALENT.
AROUND ALL OPENINGS TIE SPACING MUST TIGHTENED TO 8"O.C. FOR A WIDTH OF 36" AROUND THE OPENINGS.

FINISH MASONRY CONNECTION TO CMU WALL

4-084



TYPICAL MASONRY OPENING INFILL DETAIL

4-204

NOTE:
IN CASE OF CONFLICT BETWEEN INFORMATION SHOWN ON THIS DRAWING, SECTION, DRAWINGS OR ARCHITECTURAL DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE ARCHITECT AND ENGINEER OF SUCH CONFLICT IN ORDER TO RECEIVE A CLARIFICATION 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.

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561-478-4457

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STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQM5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date
1	COORDINATION	2026/06/17

CHECKED BY: Checker
DRAWN BY: Author

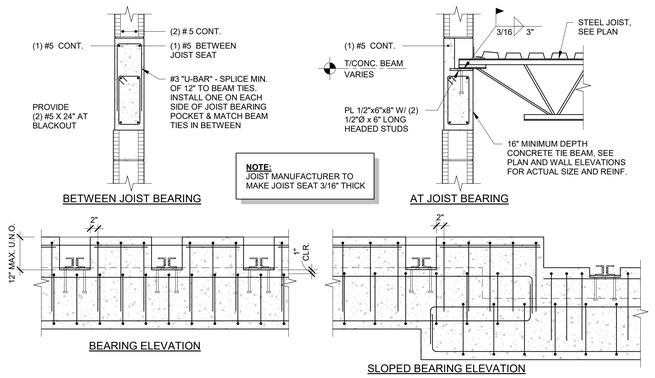
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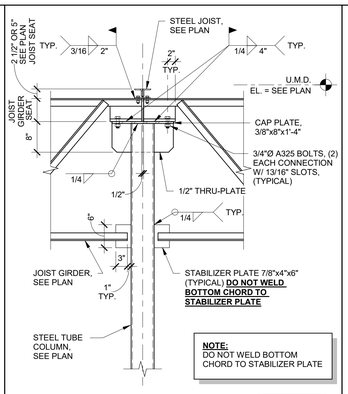
TYPICAL DETAILS - MASONRY

S-305

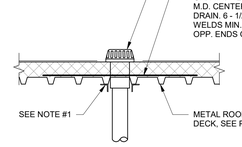
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JOIST BEARING DETAILS 5-212

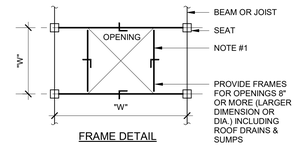


JOIST GIRDER TO COLUMN 5-213



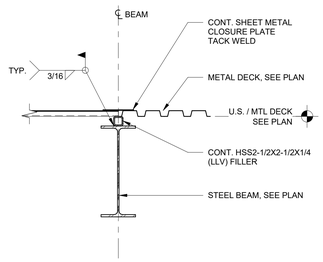
NOTE:
1. SEE DETAIL 5-302 FOR STEEL REINFORCING AROUND ROOF DRAIN OPENING.

TYP. DECK REINF. @ ROOF DRAIN W/O SUMP PAN 5-301



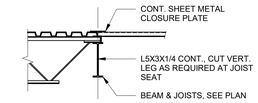
NOTES:
1. ANGLES ALL SIDES UNLESS BEAMS SHOWN ON PLAN:
   L2X2X1/4 FOR "W" < 2'-0"
   L3X3X1/4 FOR "W" < 4'-0"
   L4X4X1/4 FOR "W" < 6'-0"
2. FOR "W" > 6'-0" USE L OR W-BEAM. L SIZE OR DEPTH OF W-BEAM EQUAL TO SPAN DIMENSION IN INCHES. MINIMUM THICKNESS = 1/4".
3. FOR "W" > 10'-0" CONTACT ENGINEER OF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

TYP. ROOF OPN'G DETAIL 5-302

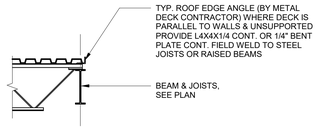


METAL DECK SUPPORT DIRECTION CHANGE AT STEEL BEAM 5-303

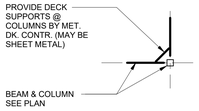
METAL DECK CONTRACTOR TO PROVIDE RIDGE AND VALLEY PLATES AS REQUIRED.



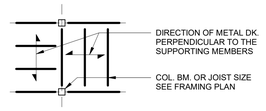
TYP. DET. @ DECK DIRECTION CHANGE BETWEEN JOIST SEATS



TYP. EDGE ANGLE DECK SUPPORT

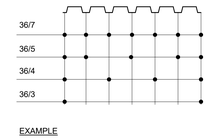


TYP. FLOOR DECK SUPPORT AT COLUMNS



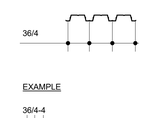
DECK DIRECTION SYMBOL

TYPICAL METAL DECK DETAILS 5-304



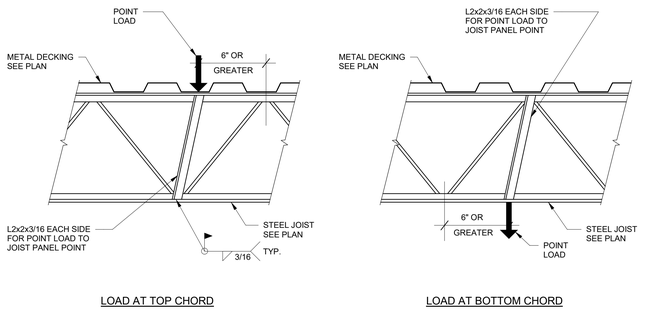
NOTES:
1. USE 5/8" Ø PUDDLE WELD AT SUPPORTS AND #12 SCREWS AT SIDE LAPS.
2. USE 36/7-4 UNLESS NOTED OTHERWISE IN PLANS.
3. USE 5/8" Ø PUDDLE WELDS @ 6" O.C. ALONG DECK CLOSURE ANGLE AND EMBED PLATE PARALLEL TO FRAMING UNLESS NOTED OTHERWISE IN PLANS.

TYPICAL 1-1/2" ROOF DECK FASTENER LAYOUT 5-306



NOTES:
1. USE 5/8" Ø PUDDLE WELD AT SUPPORTS AND #12 SCREWS AT SIDE LAPS.
2. USE 36/4-4 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 COMPOSITE FLOOR DECK FASTENER LAYOUT 5-308

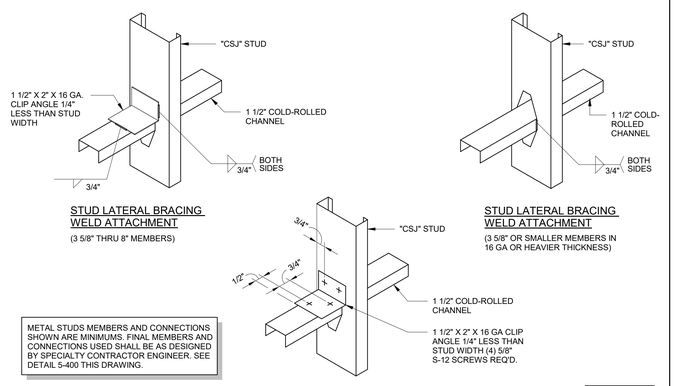


TYPICAL ADDITIONAL WEB REINFORCEMENT FOR CONCENTRATED LOAD (WHEN POINT LOAD IS GREATER THAN 40 POUNDS) 5-321

EXTERIOR METAL STUD WALL DESIGN NOTES:

1. CALCULATE PROPERTIES AND LOAD CAPACITIES OF MEMBERS PER THE AISI SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
2. DESIGN EXTERIOR CURTAIN WALL TO SUSTAIN WIND LOADS INDICATED IN THE SCHEDULE OF LOADS DRAWING.
3. LIMIT LATERAL DEFLECTIONS UNDER DESIGN LOADS TO L/800 OR 3/8" WHICH EVER IS SMALLER FOR THOSE AREAS WITH BRICK CLADDING AND L/360 FOR ALL OTHER AREAS.
4. PROVIDE SLIDE CLIPS OR DEFLECTION TRACKS ON THE UNDERSIDE OF THE ELEVATED LEVELS TO ALLOW FOR A MAXIMUM LIVE LOAD VERTICAL DEFLECTION OF APPROXIMATELY L/240 AT MID SPAN BETWEEN COLUMNS.
5. DIAGONAL KICKERS ARE NOT ALLOWED, UNLESS APPROVED IN WRITING BY ARCHITECT AND ENGINEER OF RECORD.
6. DESIGN ALL CONNECTIONS TO SUSTAIN THE MAXIMUM DESIGN LOADS.
7. ALL DETAILS DRAWINGS SHOWN ARE MINIMUMS REQUIRED FOR PARTICULAR CONDITIONS. CONTRACTOR IS RESPONSIBLE TO SUBMIT SIGN AND SEALED DRAWINGS AND CALCULATIONS FOR A WALL SYSTEM THAT COMPLIES WITH THESE NOTES, THE SPECIFICATIONS AND THE CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO STRUCTURAL AND ARCHITECTURAL DRAWINGS.

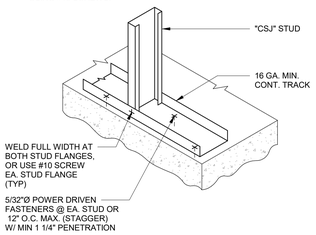
5-400



METAL STUDS MEMBERS AND CONNECTIONS SHOWN ARE MINIMUMS. FINAL MEMBERS AND CONNECTIONS USED SHALL BE AS DESIGNED BY SPECIALTY CONTRACTOR ENGINEER. SEE DETAIL 5-400 THIS DRAWING.

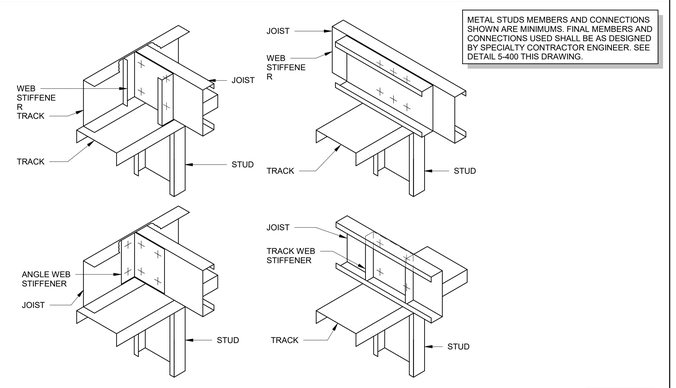
STUD LATERAL BRACING SCREW ATTACHMENT 5-401

NOTE:
PROVIDE ONE ADDT'L FASTENER AT NO MORE THAN 3" FROM THE END OF THE TRACK. TERMINATE TRACKS AT MID POINT BETWEEN STUDS SPACING SPLICE BY SCREWING A STUD SECTION BETWEEN VERTICAL STUDS TO THE RUNNER TRACK USING #10 SCREWS.



METAL STUDS MEMBERS AND CONNECTIONS SHOWN ARE MINIMUMS. FINAL MEMBERS AND CONNECTIONS USED SHALL BE AS DESIGNED BY SPECIALTY CONTRACTOR ENGINEER. SEE DETAIL 5-400 THIS DRAWING.

TYPICAL STUD TO CONCRETE CONNECTION 5-402



METAL STUDS MEMBERS AND CONNECTIONS SHOWN ARE MINIMUMS. FINAL MEMBERS AND CONNECTIONS USED SHALL BE AS DESIGNED BY SPECIALTY CONTRACTOR ENGINEER. SEE DETAIL 5-400 THIS DRAWING.

TYPICAL JOIST WEB STIFFENERS 5-407

NOTE:
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561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: P:\04\18200045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
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CA: 8426 PROJ NO. 1413-221-31

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TYPICAL DETAILS

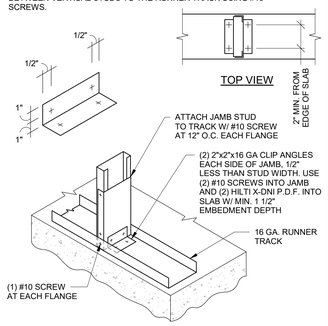
S-306

HB ESTIMATING REC'D 06.01.2026

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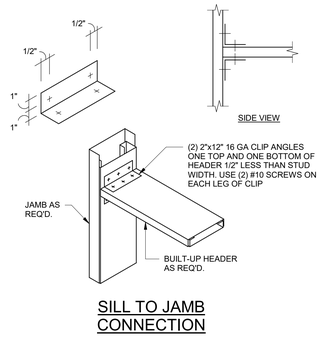
0"
1"

NOTE:
PROVIDE ONE ADDT'L FASTENER AT NO MORE THAN 3" FROM THE END OF THE TRACK. TERMINATE TRACKS AT MID POINT BETWEEN STUDS SPACING SPLICE BY SCREWING A STUD SECTION BETWEEN VERTICAL STUDS TO THE RUNNER TRACK USING #10 SCREWS.



TYPICAL JAMB TO CONCRETE CONNECTION

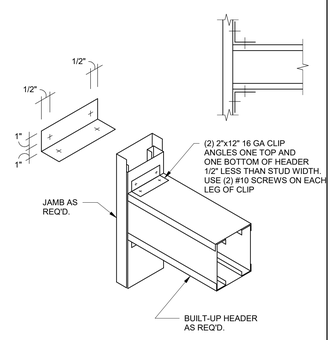
5-408



SILL TO JAMB CONNECTION

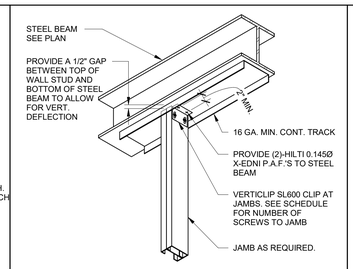
METAL STUDS MEMBERS AND CONNECTIONS SHOWN ARE MINIMUMS. FINAL MEMBERS AND CONNECTIONS USED SHALL BE AS DESIGNED BY SPECIALTY CONTRACTOR ENGINEER. SEE DETAIL 5-400 THIS DRAWING.

5-410



METAL STUDS MEMBERS AND CONNECTIONS SHOWN ARE MINIMUMS. FINAL MEMBERS AND CONNECTIONS USED SHALL BE AS DESIGNED BY SPECIALTY CONTRACTOR ENGINEER. SEE DETAIL 5-400 THIS DRAWING.

5-409

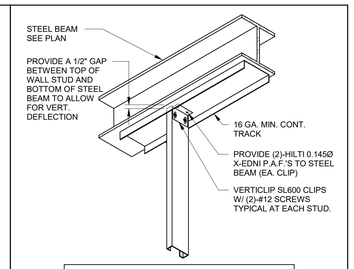


NUMBER OF SCREWS TO JAMB:

1. FOR OPENINGS 8'-8" OR LESS USE (2)-#12 SCREWS.
2. FOR OPENINGS 16'-8" TO 8'-9" USE (3)-#12 SCREWS.

TYPICAL JAMB STUD TO STEEL BEAM CONNECTION

5-411



NOTE:

PROVIDE ONE ADDT'L FASTENER AT NO MORE THAN 3" FROM THE END OF THE TRACK. TERMINATE TRACKS AT MID POINT BETWEEN STUDS SPACING SPLICE BY SCREWING A STUD SECTION BETWEEN VERTICAL STUDS TO THE RUNNER TRACK USING #12 SCREWS.

TYP. STUD TO UNDERSIDE OF STEEL BEAM CONNECTION

5-412

TRUSS BRACING OVERLAP DETAIL

6-007

TYPICAL CROSS BRACE DETAIL

6-008

NOTE:
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HB ESTIMATING REC'D 06.01.2026

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182000045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSED No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

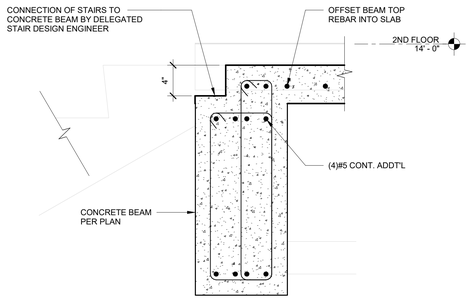
TYPICAL DETAILS

S-307

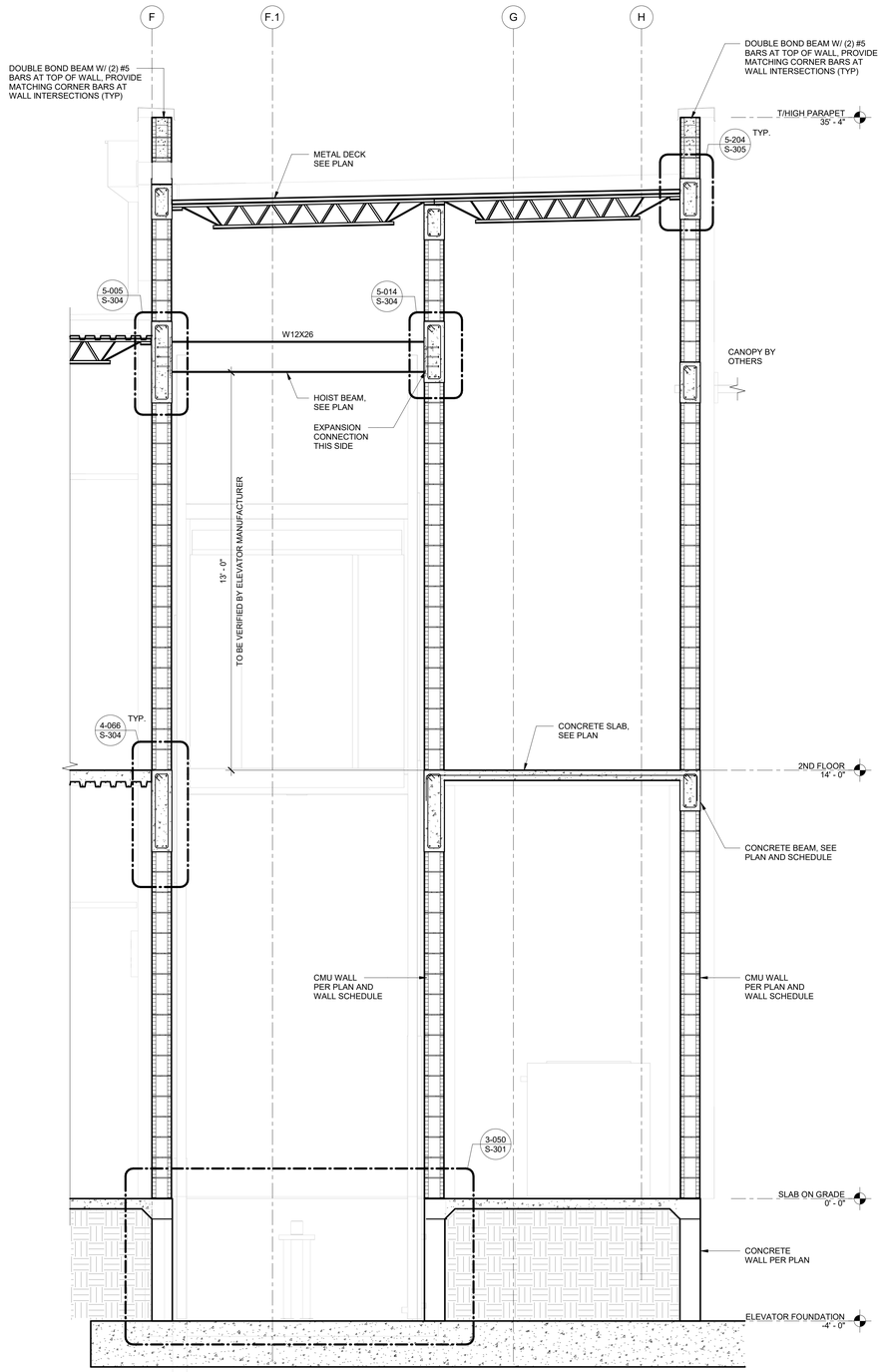
Plot Stamp:
28/05/2026 2:39:07 am

0"
1"

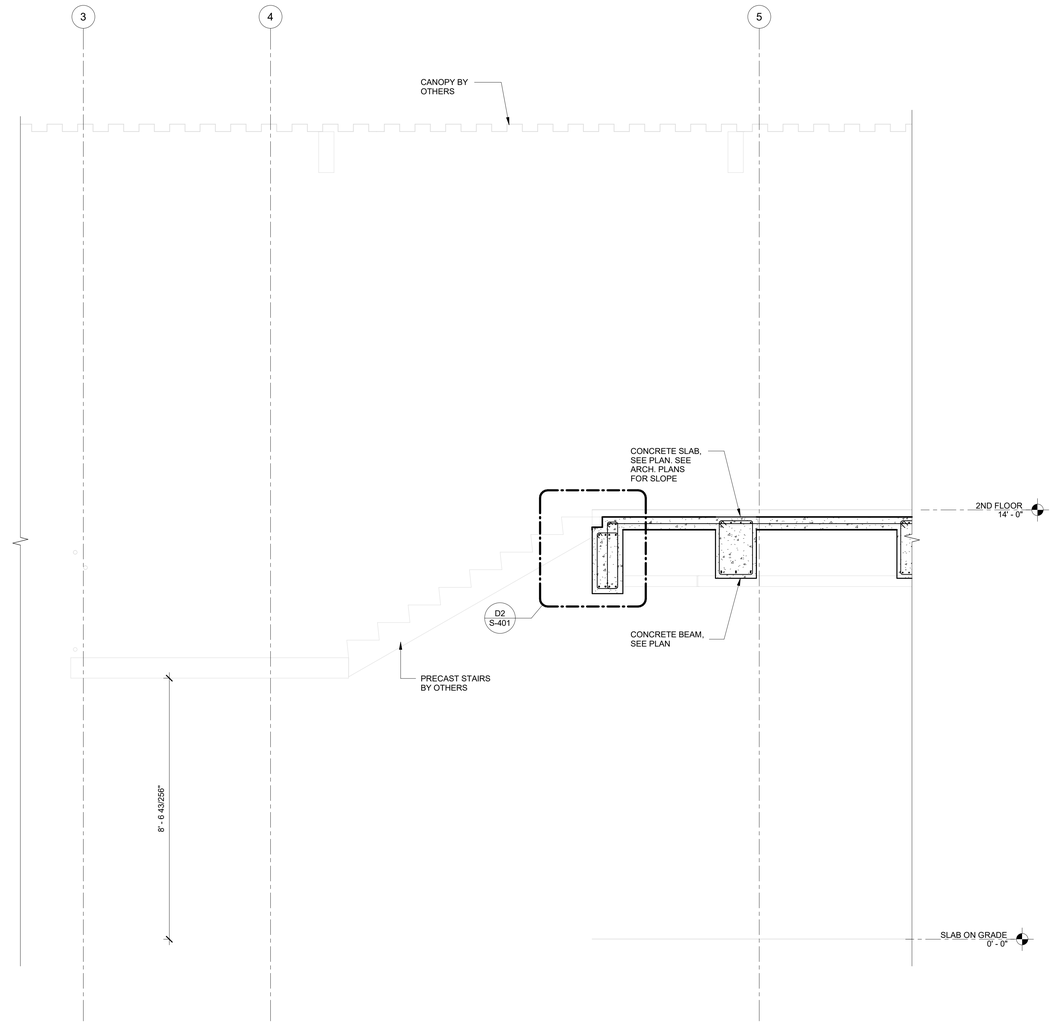
NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



D2 / S-401 DETAIL 2
SCALE: 1 1/2" = 1'-0"



S1 / S-401 SECTION 1
SCALE: 1/2" = 1'-0"



S2 / S-401 SECTION 2
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
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CLIENT PROJECT NUMBER: PO4516260045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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DRAWN BY: AN/DN

SECTIONS AND DETAILS

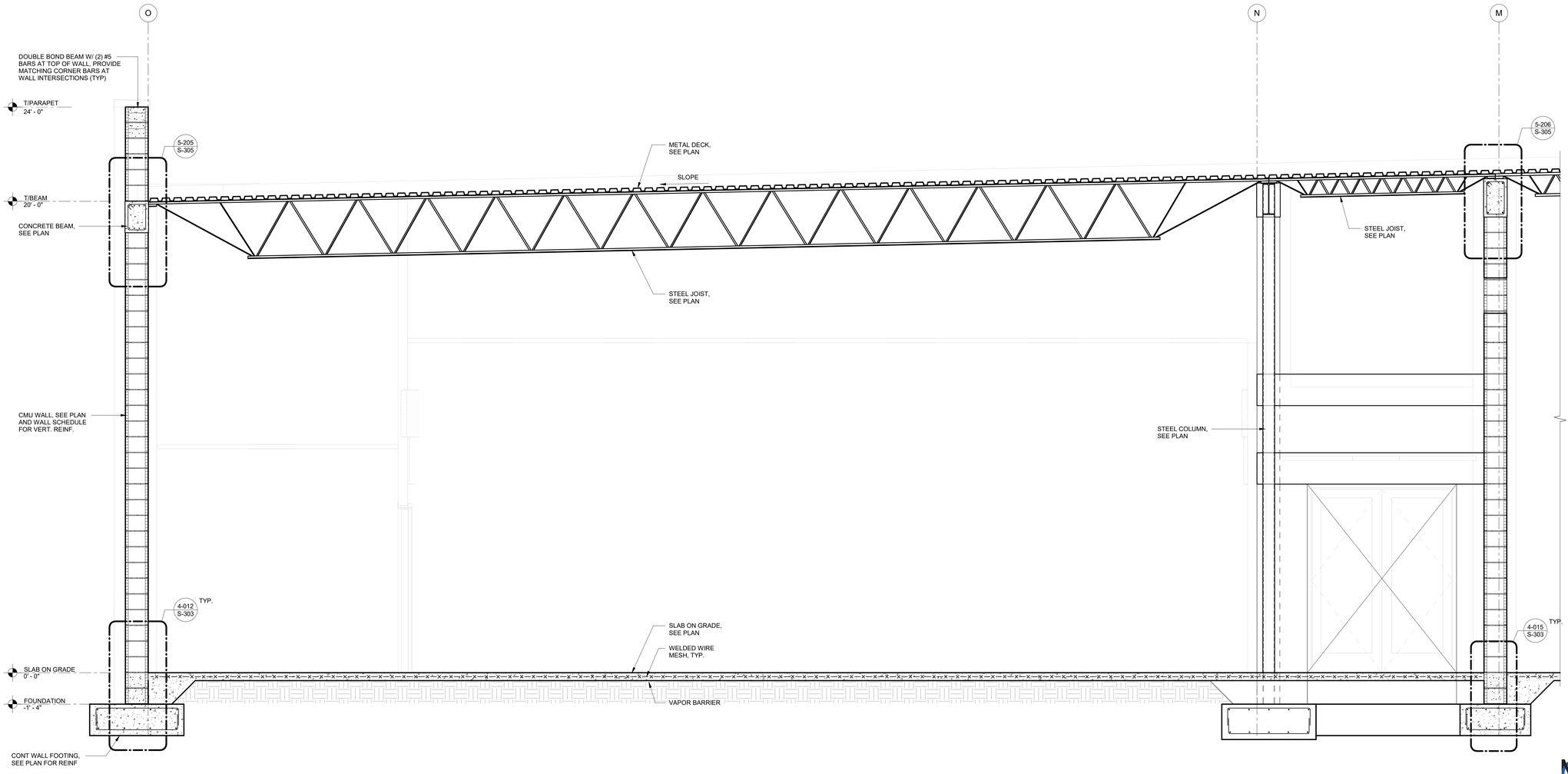
S-401

Plot Stamp:
28/05/2026 2:39:09 am

SECTIONS AND DETAILS
S-402

0"
1"

NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



S3 / S-402 SECTION 3
SCALE: 1/2" = 1'-0"

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Plot Stamp:
28/05/2026 2:39:11 am

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5162600045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

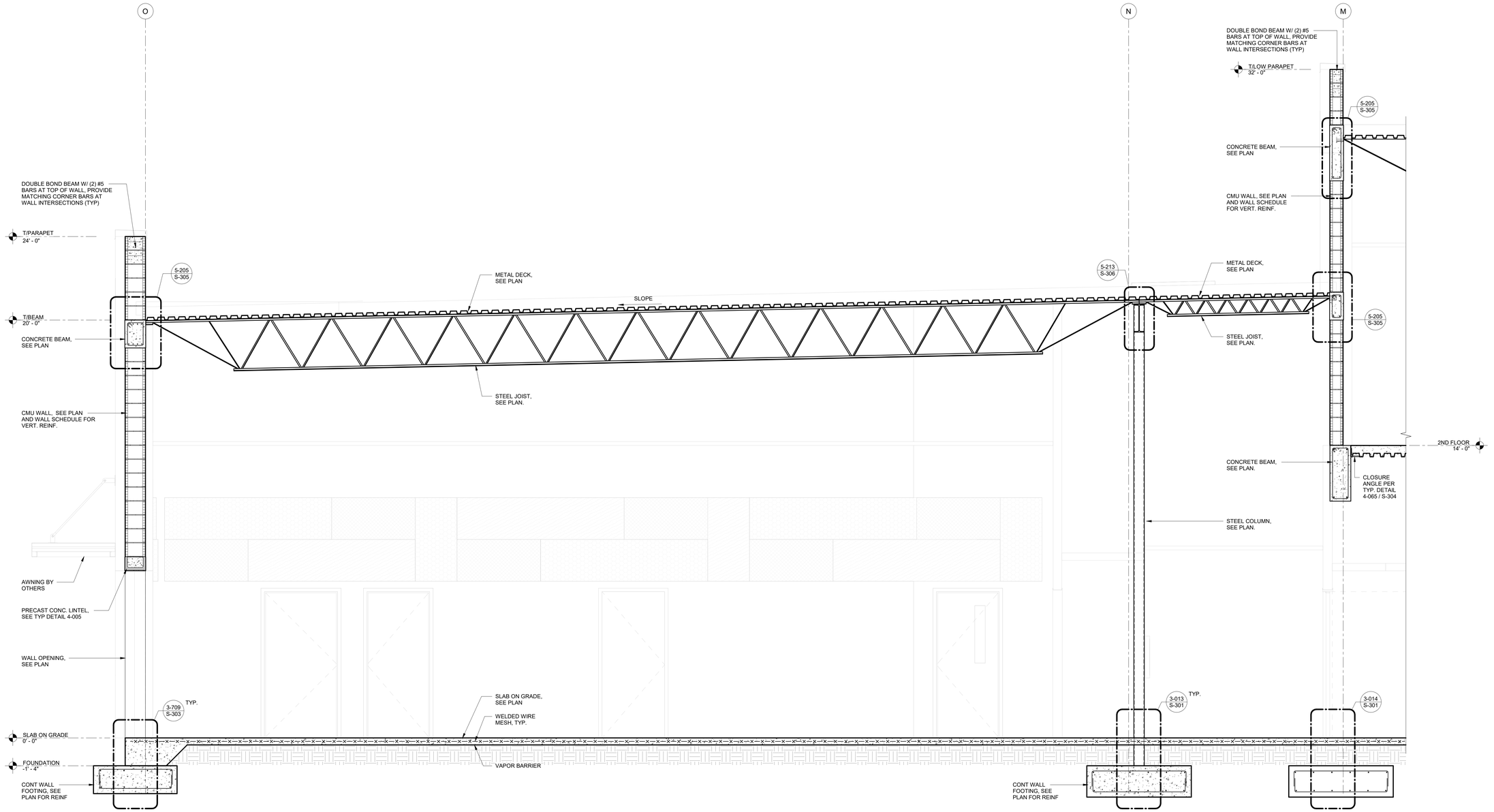
SECTIONS AND DETAILS

S-402

SECTIONS AND DETAILS
S-403

0"
1"

NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



S4 / S-403 SECTION 4
SCALE: 1/2" = 1'-0"

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28/05/2026 2:39:12 am

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO4516200045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS, LICENSE, No 97374, STATE OF FLORIDA, PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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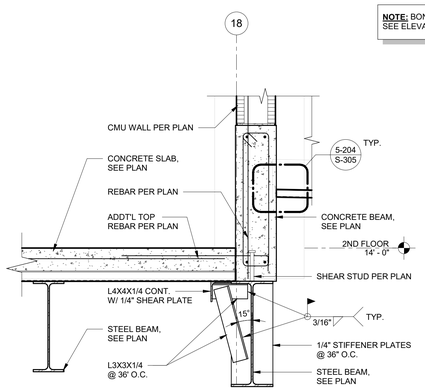
SECTIONS AND DETAILS

S-403

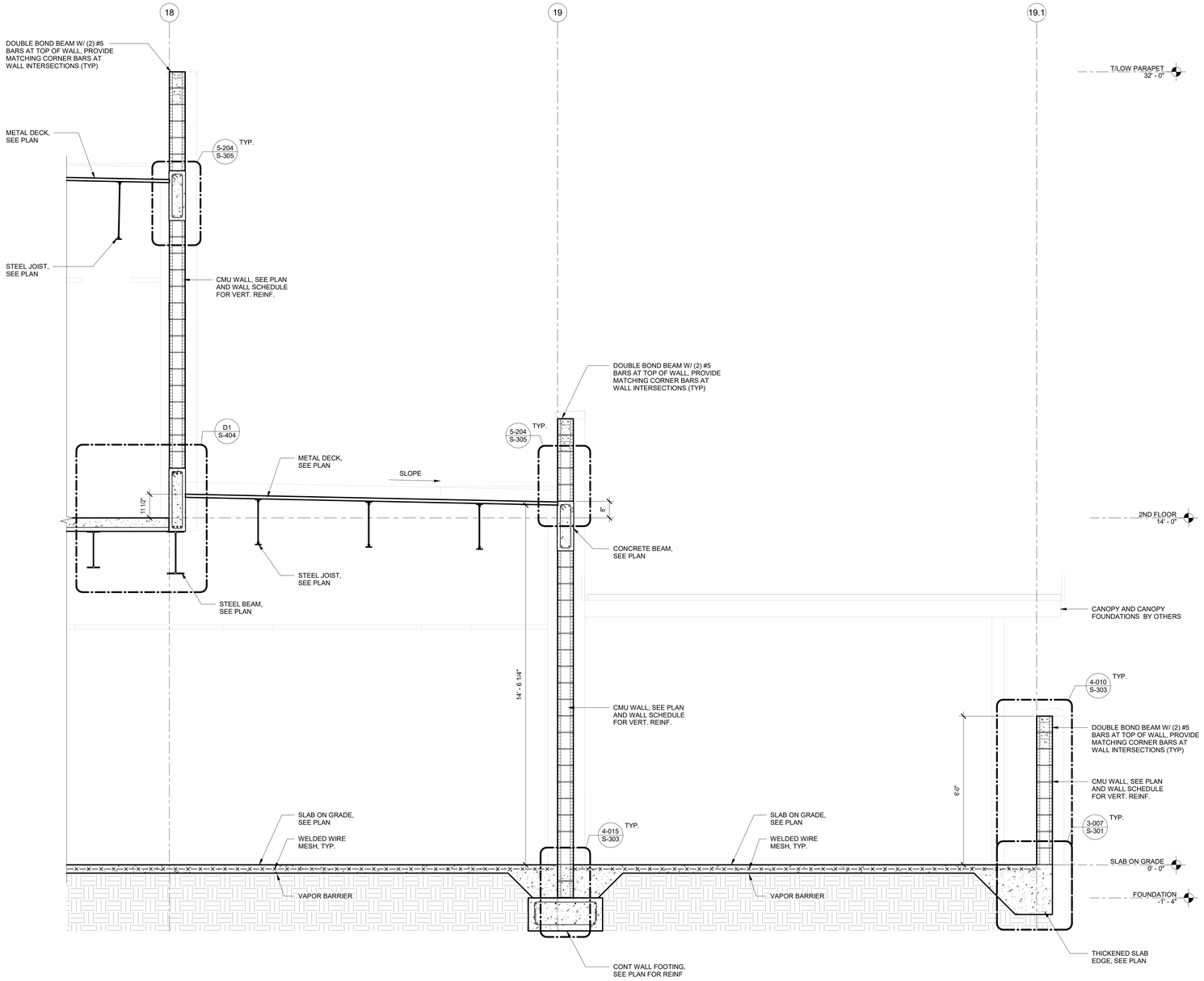
SECTIONS AND DETAILS
S-404

0"
1"

NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



D1 S-404 DETAIL 1
SCALE: 1" = 1'-0"



S5 S-404 SECTION 5
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: P0#5182600045.2 P0#5182600045

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MARTIN COUNTY SCHOOL DISTRICT

NICHOLAS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

SECTIONS AND DETAILS

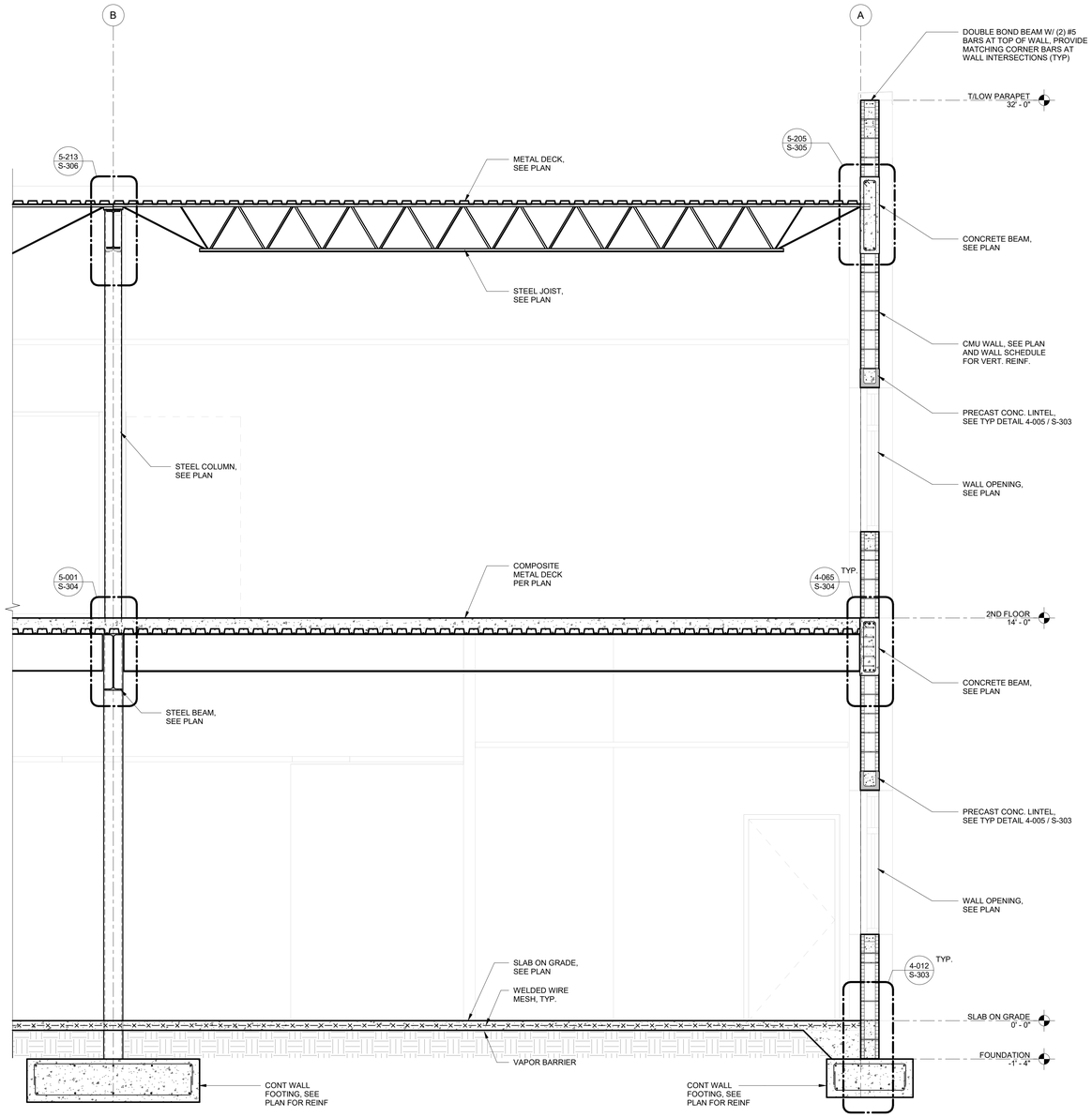
S-404

HB ESTIMATING REC'D 06.01.2026

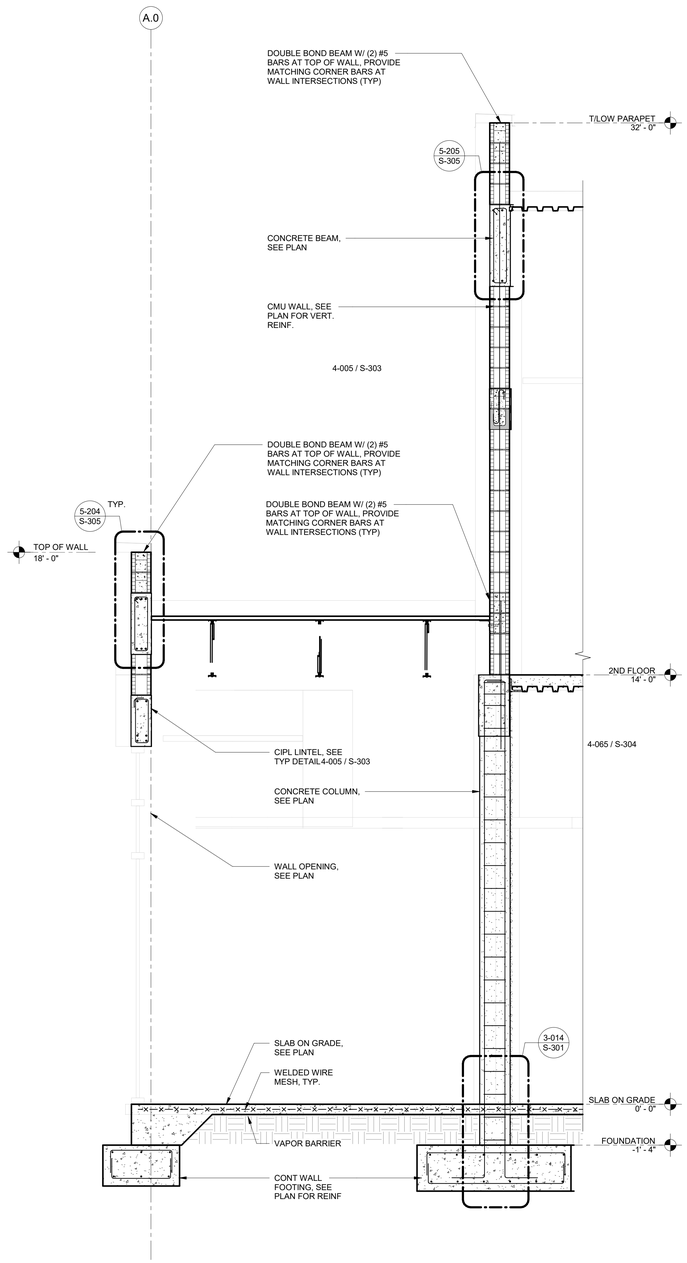
Plot Stamp:
28/05/2026 2:39:16 am

0"
1"

NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



S6 / S-405 SECTION 6
SCALE: 1/2" = 1'-0"



S7 / S-405 SECTION 7
SCALE: 1/2" = 1'-0"

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4400 SE MURRAY STREET
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NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
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DRAWING HISTORY

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DRAWN BY: AN/DN

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SECTIONS AND DETAILS

S-405

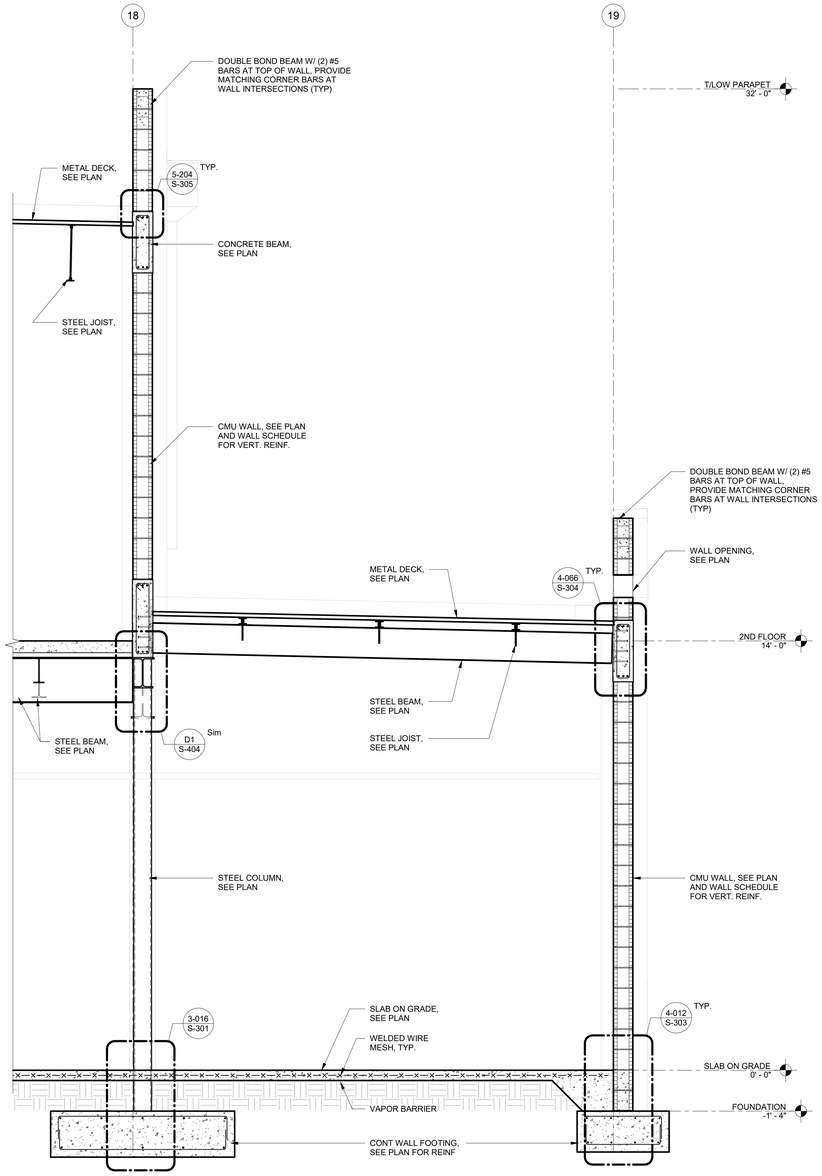
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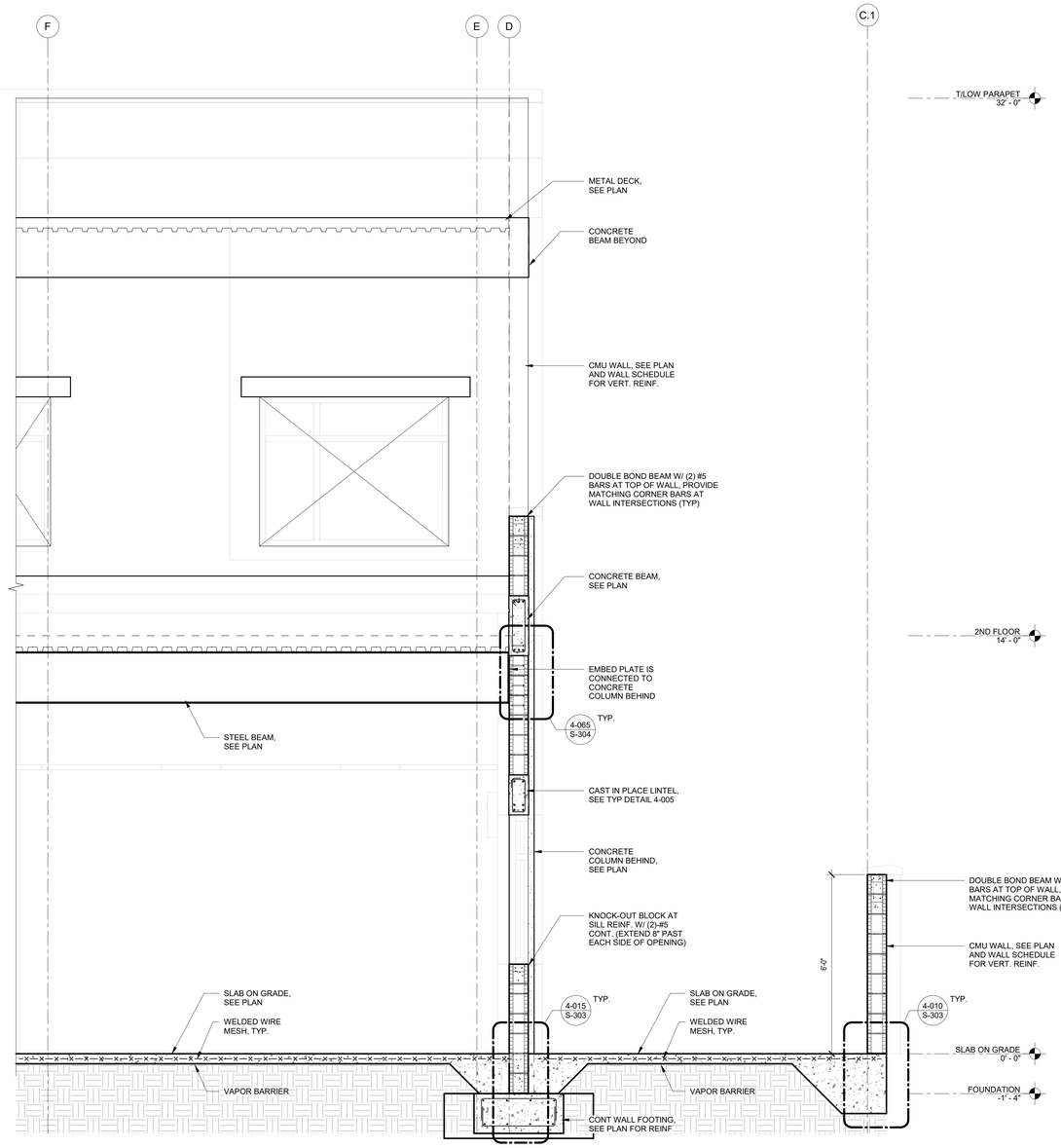
SECTIONS AND DETAILS
S-406

0"
1"

NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



S8 S-406 SECTION 8
SCALE: 1/2" = 1'-0"



S9 S-406 SECTION 9
SCALE: 1/2" = 1'-0"

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WEST PALM BEACH, FL
561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5162600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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CHECKED BY: NM

DRAWN BY: AN/DN

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STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
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SECTIONS AND DETAILS

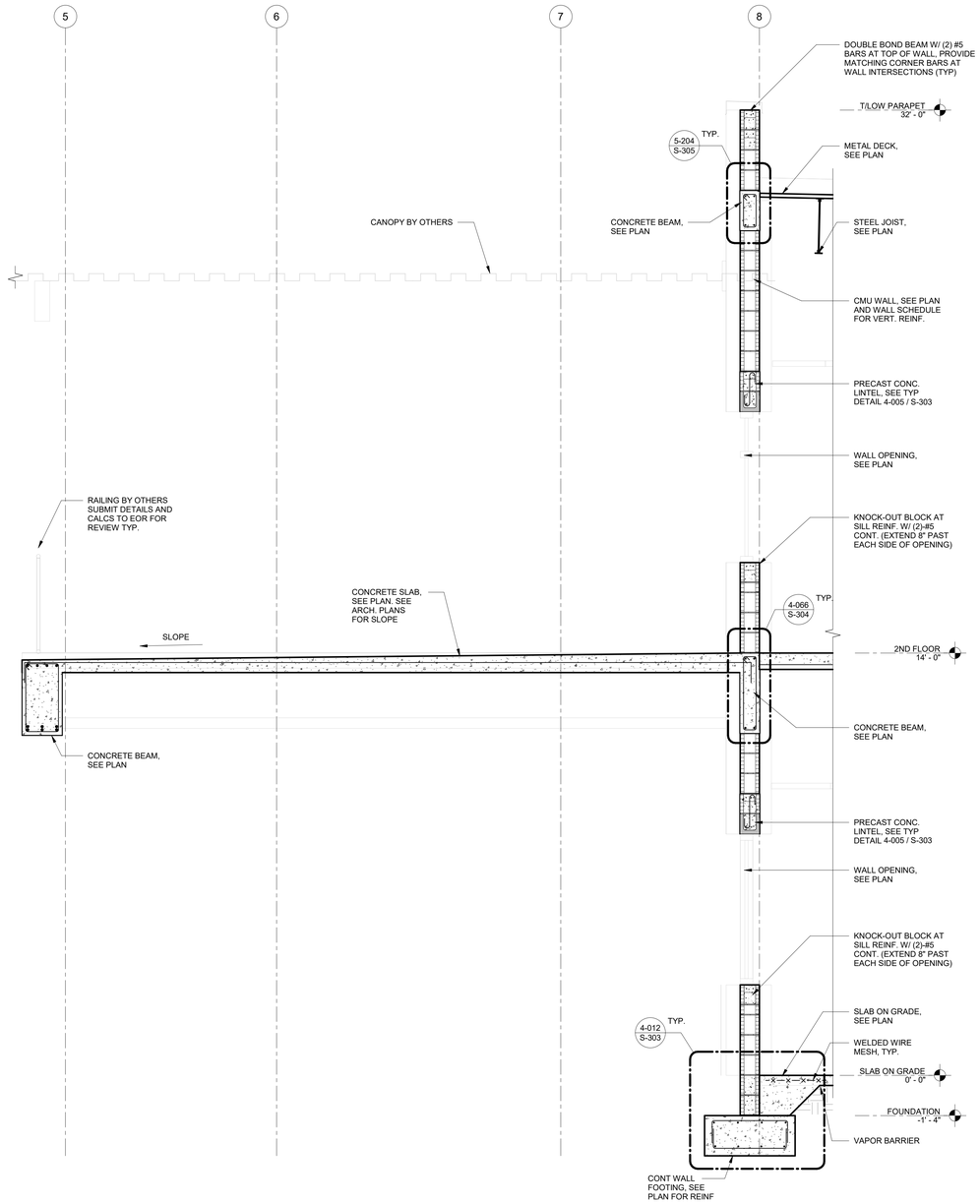
S-406

HB ESTIMATING REC'D 06.01.2026

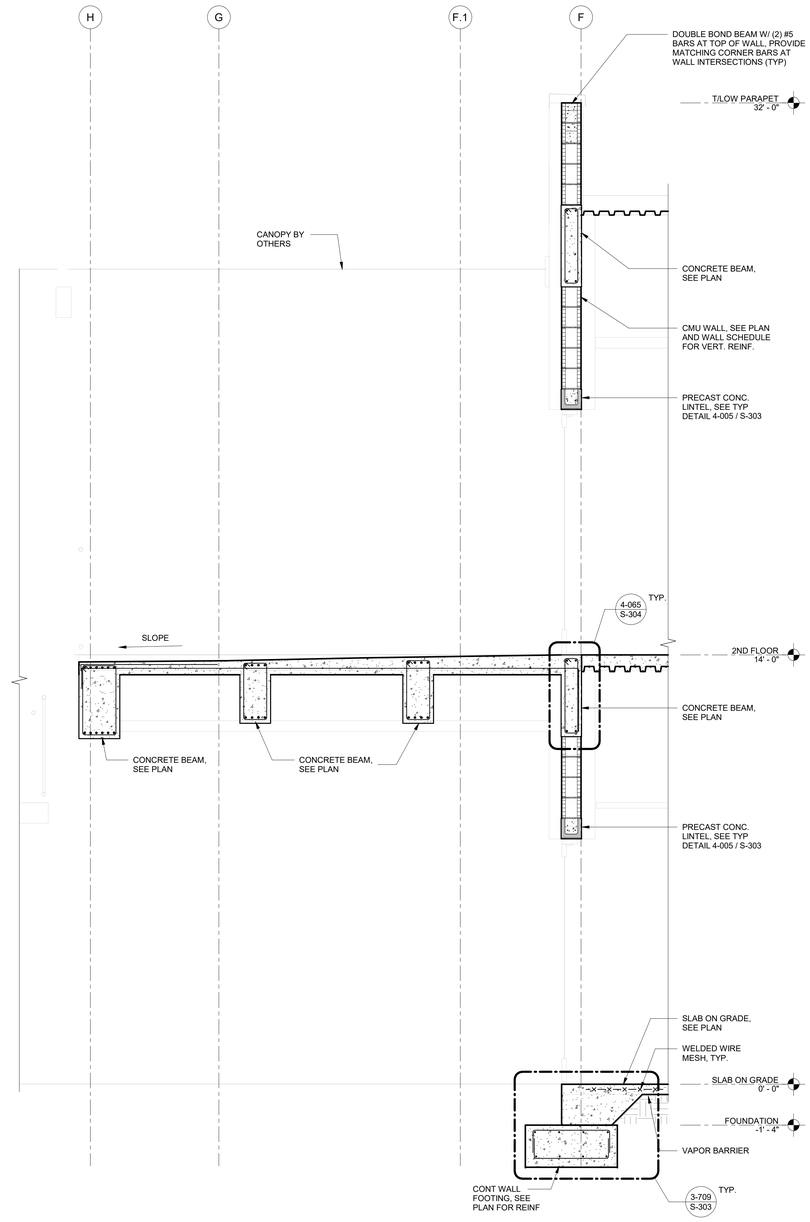
Plot Stamp:
28/05/2026 2:39:33 am

0"
1"

NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



S10 / S-407 SECTION 10
SCALE: 1/2" = 1'-0"



S11 / S-407 SECTION 11
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5162500045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

SECTIONS AND DETAILS

S-407

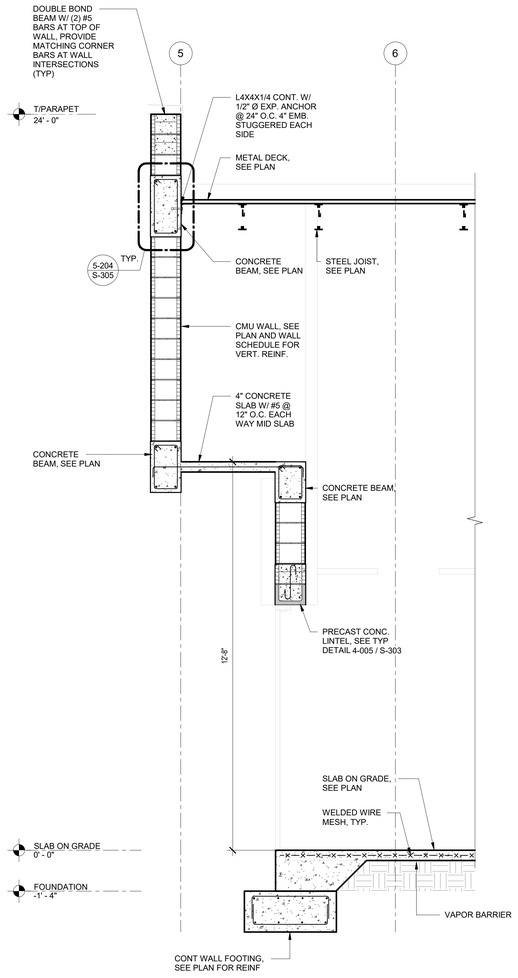
SECTIONS AND DETAILS
S-407

Plot Stamp:
28/05/2026 2:39:36 am

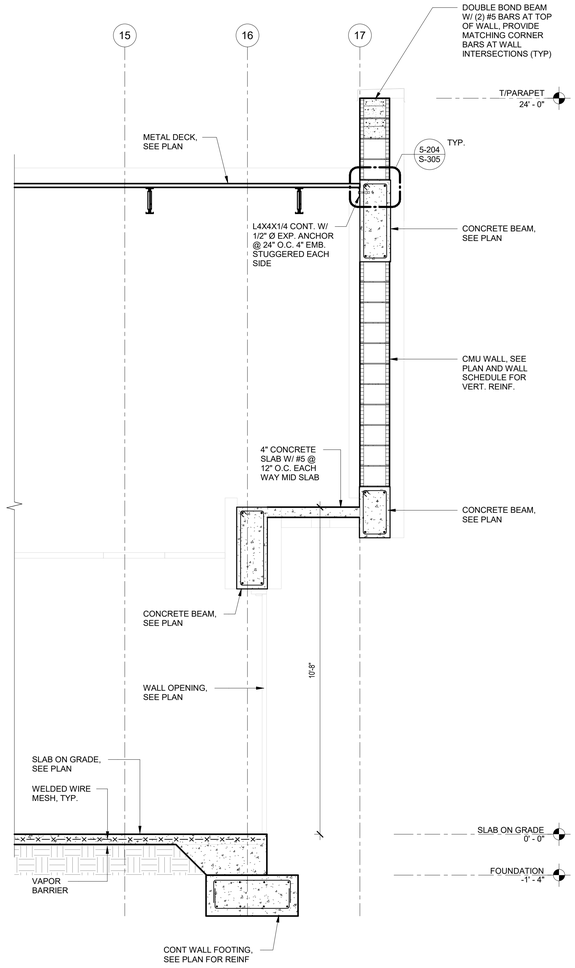
SECTIONS AND DETAILS
S-408

0"
1"

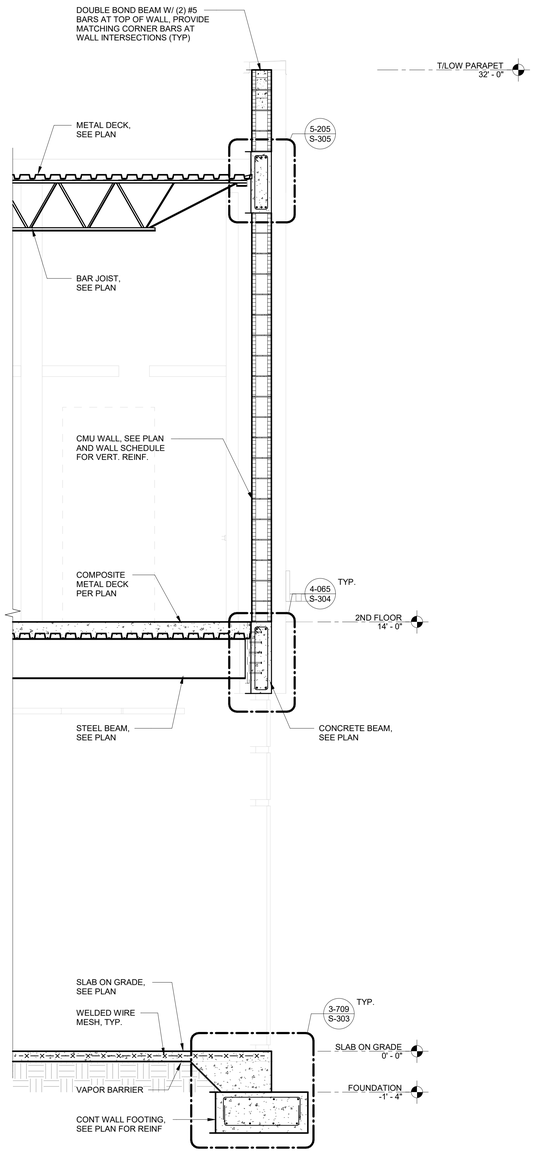
NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



S12 / S-408 SECTION 12
SCALE: 1/2" = 1'-0"



S14 / S-408 SECTION 14
SCALE: 1/2" = 1'-0"



S15 / S-408 SECTION 15
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5162600045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
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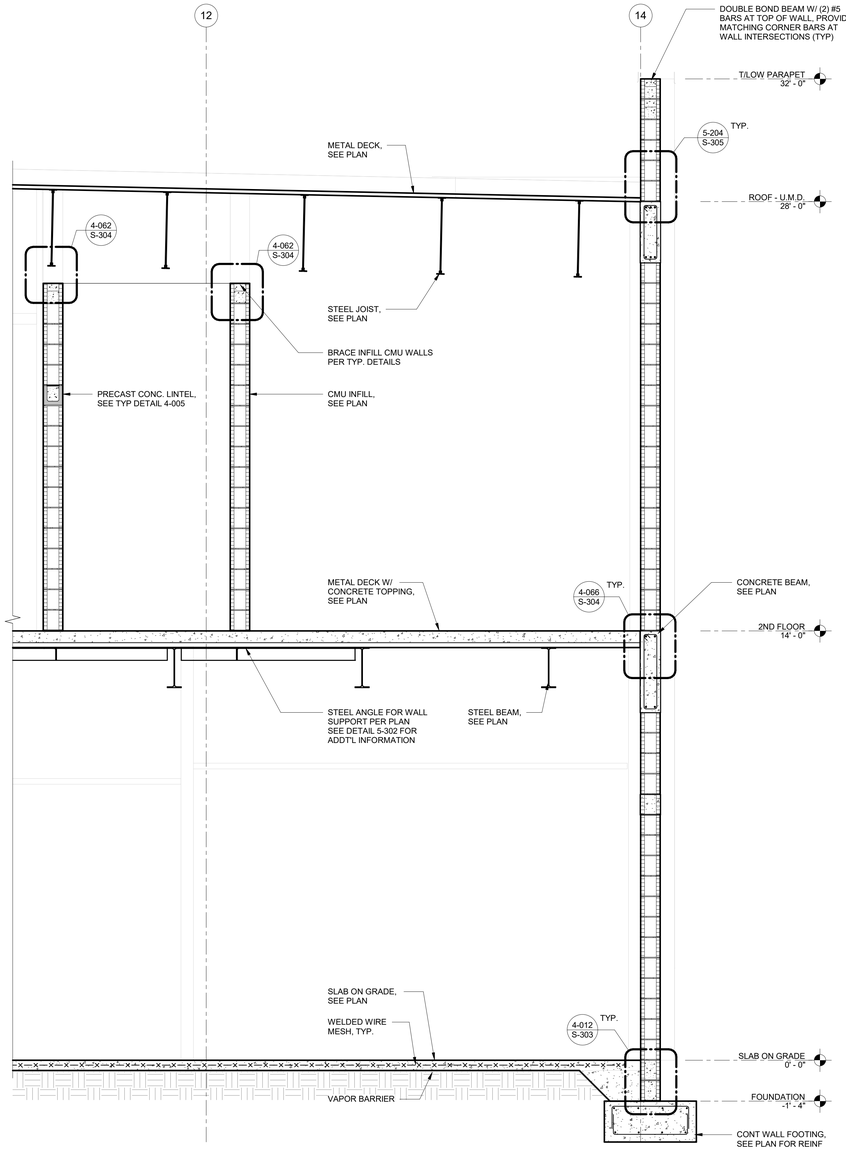
SECTIONS AND DETAILS

S-408

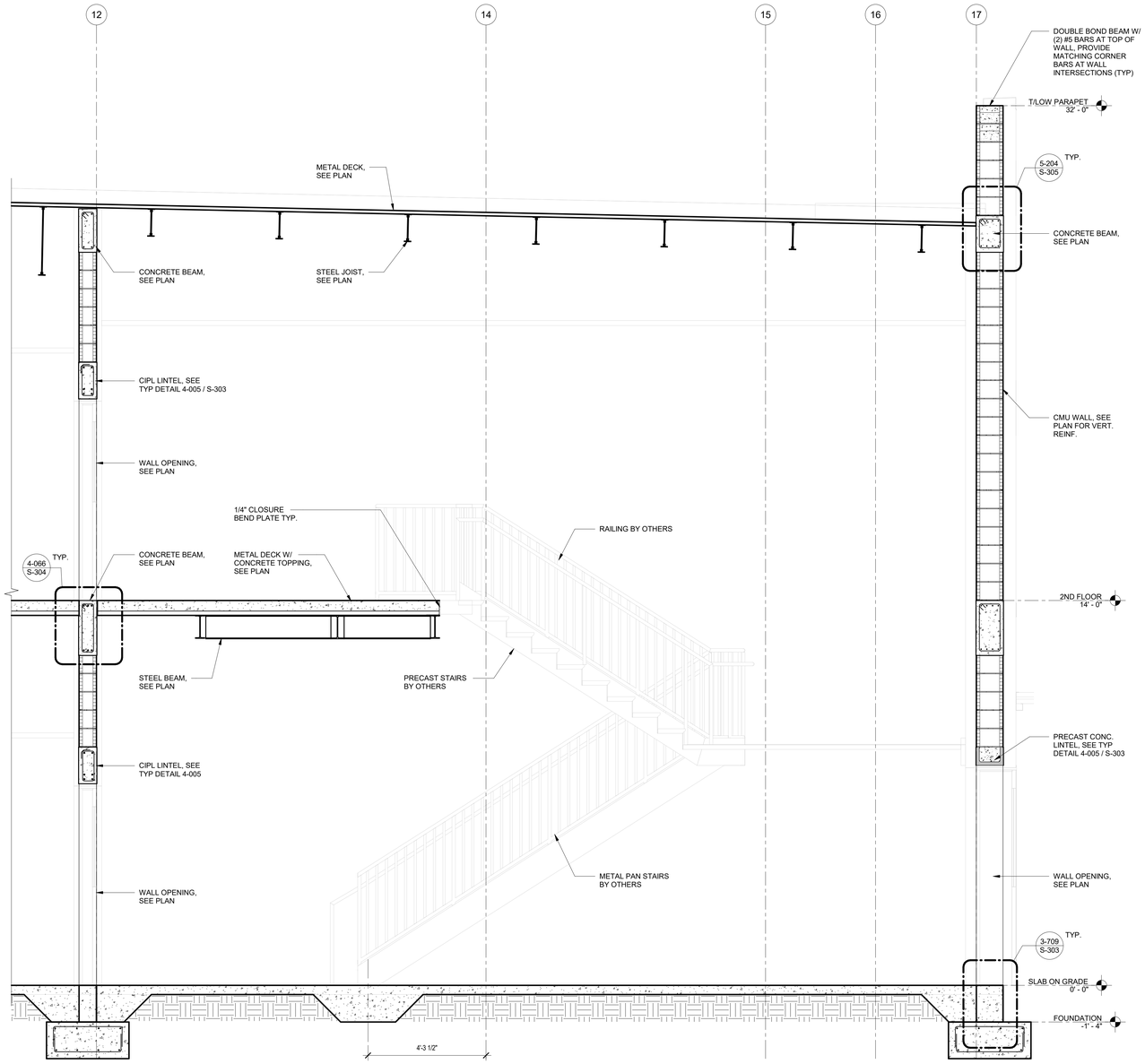
SECTIONS AND DETAILS
S-409

0"
1"

NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



S16 / S-409 SECTION 16
SCALE: 1/2" = 1'-0"



S17 / S-409 SECTION 17
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO4516260004S

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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DRAWN BY: AN/DN

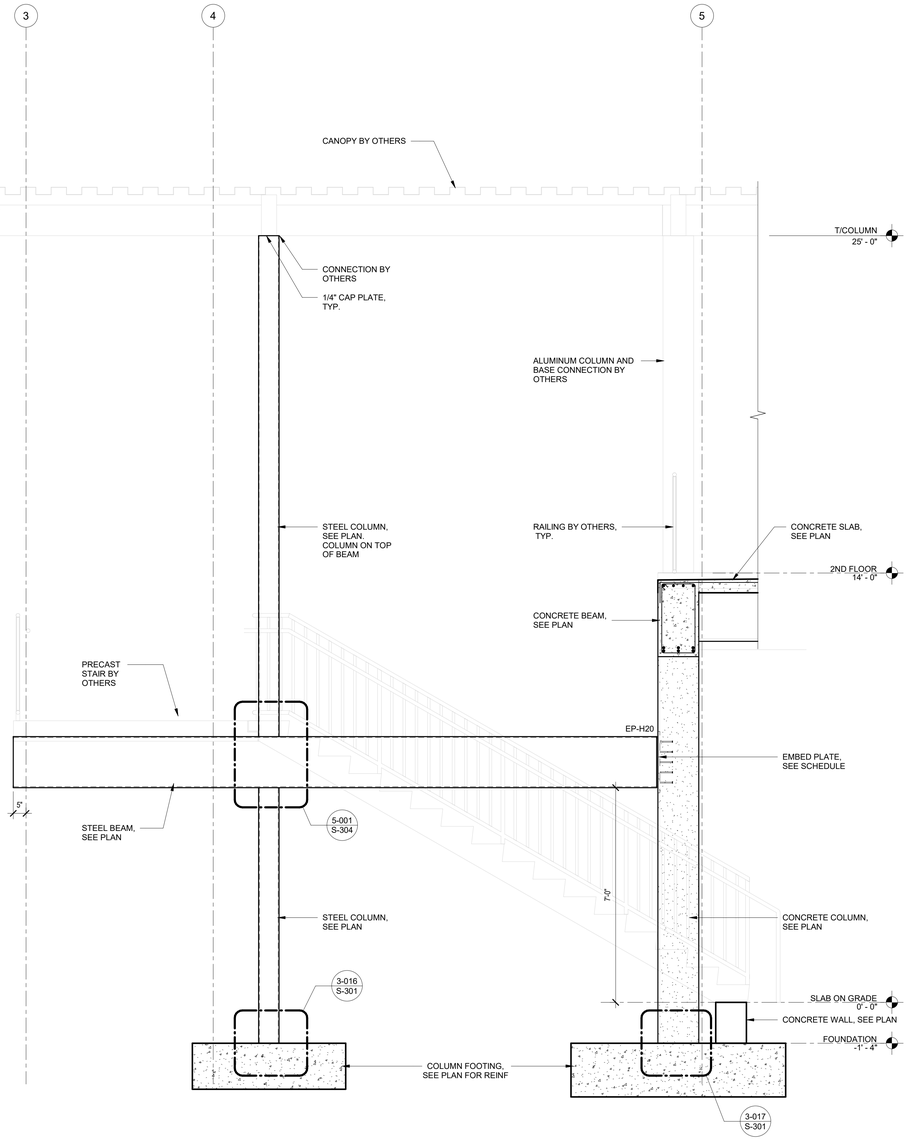
SECTIONS AND DETAILS

S-409

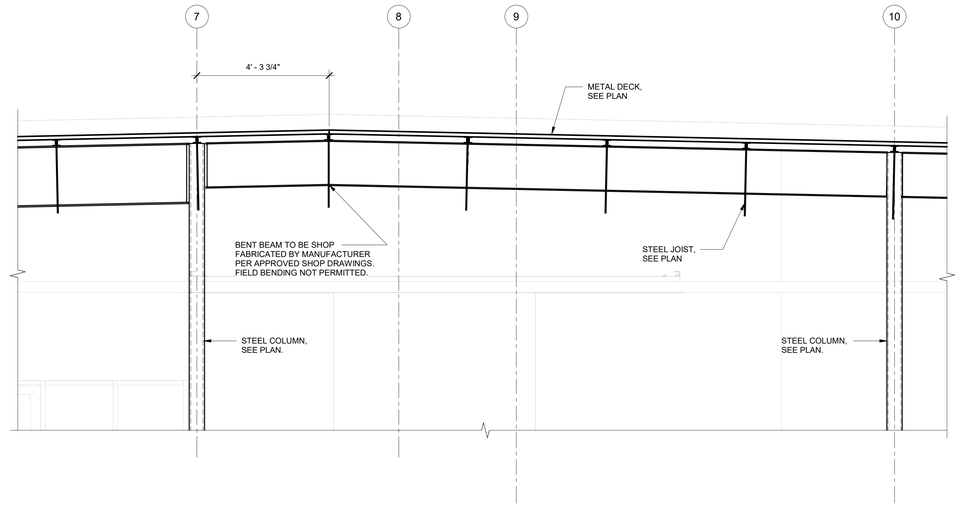
SECTIONS AND DETAILS
S-410

0"
1"

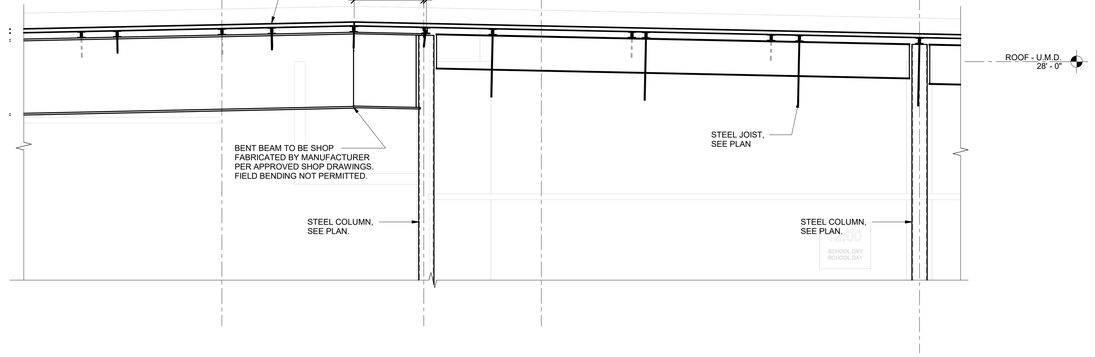
NOTE: BOND BEAMS DO NOT SHOW ON SECTIONS. SEE ELEVATIONS FOR BOND BEAM LOCATION.



S18 / S-410 SECTION 18
SCALE: 1/2" = 1'-0"



S19 / S-410 SECTION 19
SCALE: 1/2" = 1'-0"



S20 / S-410 SECTION 20
SCALE: 1/2" = 1'-0"

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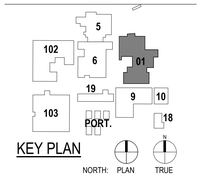
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO4516260004S

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE



NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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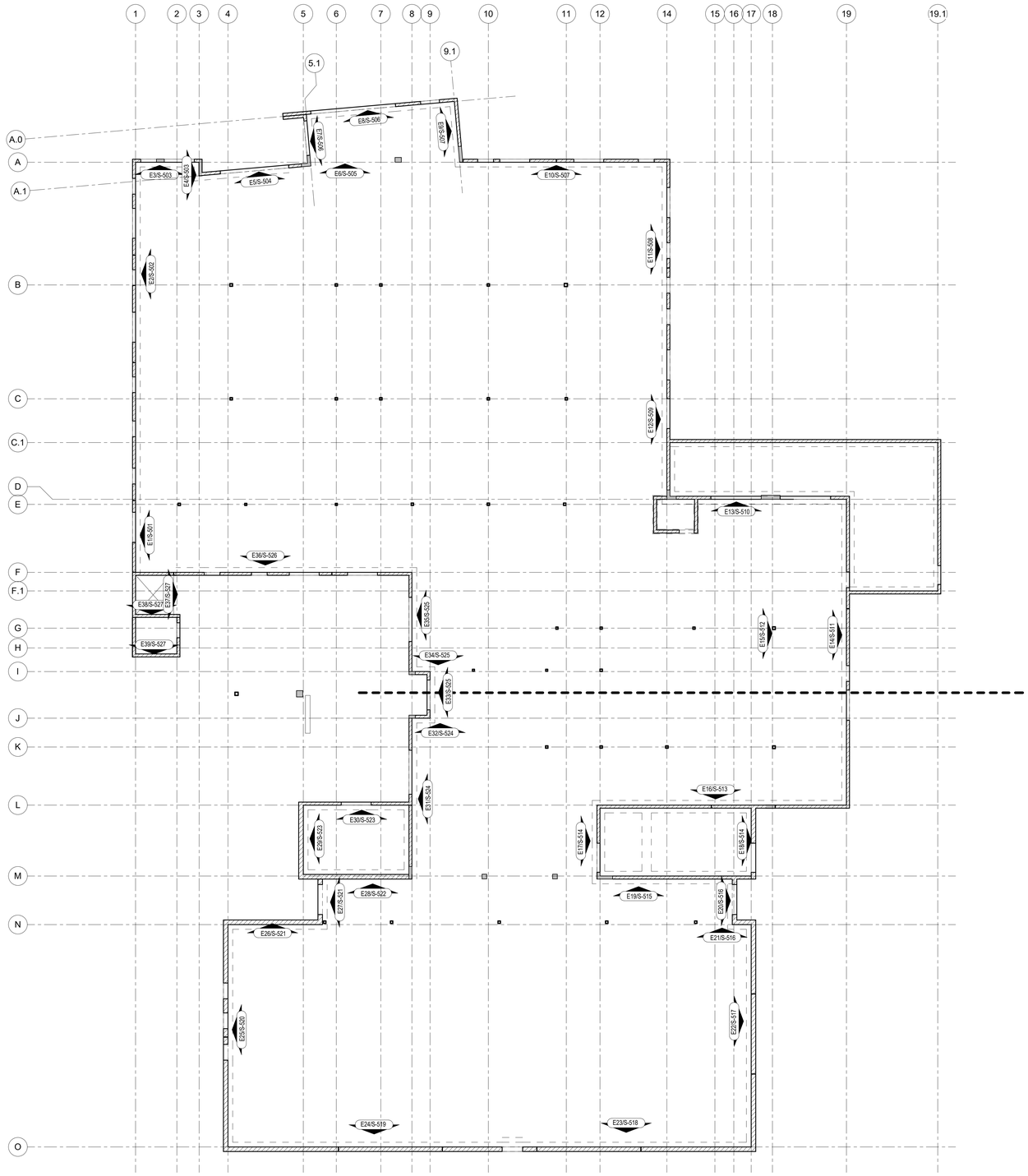
DRAWN BY: AN/DN

SECTIONS AND DETAILS

S-410

0"
1"

WALL ELEVATION KEY PLAN
S-500



N
WALL ELEVATION KEY PLAN
SCALE: 3/32" = 1'-0"

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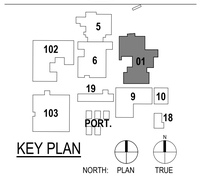
MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT



KEY PLAN
NORTH: PLAN TRUE

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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DRAWN BY: AN/DN

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WALL ELEVATION KEY PLAN

S-500

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ELEVATIONS
S-501

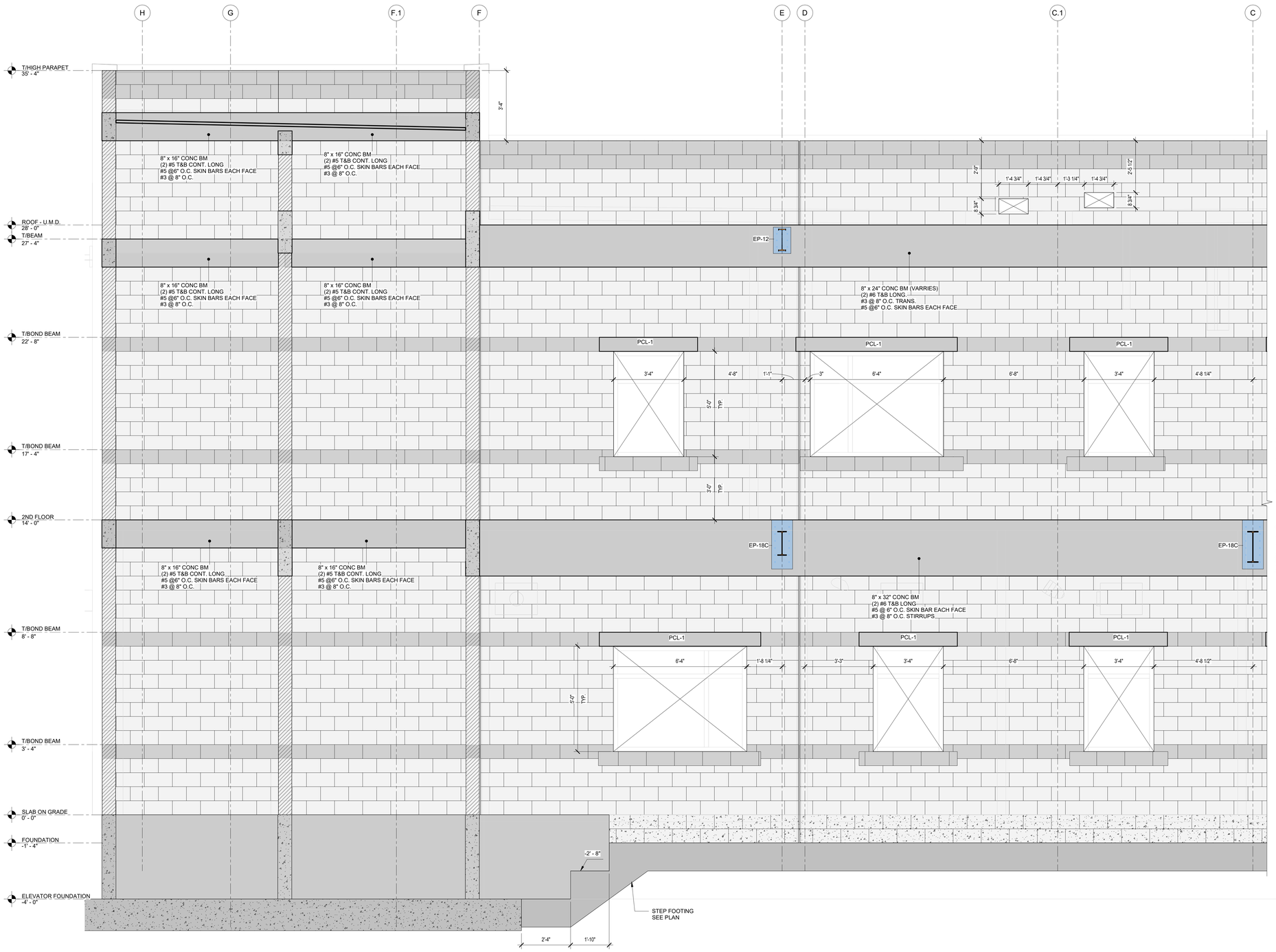
0"
1"

WALL ELEVATION NOTES:

1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS.
2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
3. BALANCE OF REINFORCING PER THE SCHEDULE SHOWN ON FOUNDATION OR SLAB ON GRADE PLANS INCLUDING TYPICAL REINFORCING AT WALL OPENINGS, CORNERS, AND INTERSECTION.
4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:

WALL OPENING | CORNER | INTERSECTION

5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-303
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E1 S-501 WALL ELEVATION 1
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO4516200045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSED PROFESSIONAL ENGINEER No 97374 STATE OF FLORIDA

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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DRAWN BY: AN/DN

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ELEVATIONS

S-501

ELEVATIONS
S-502

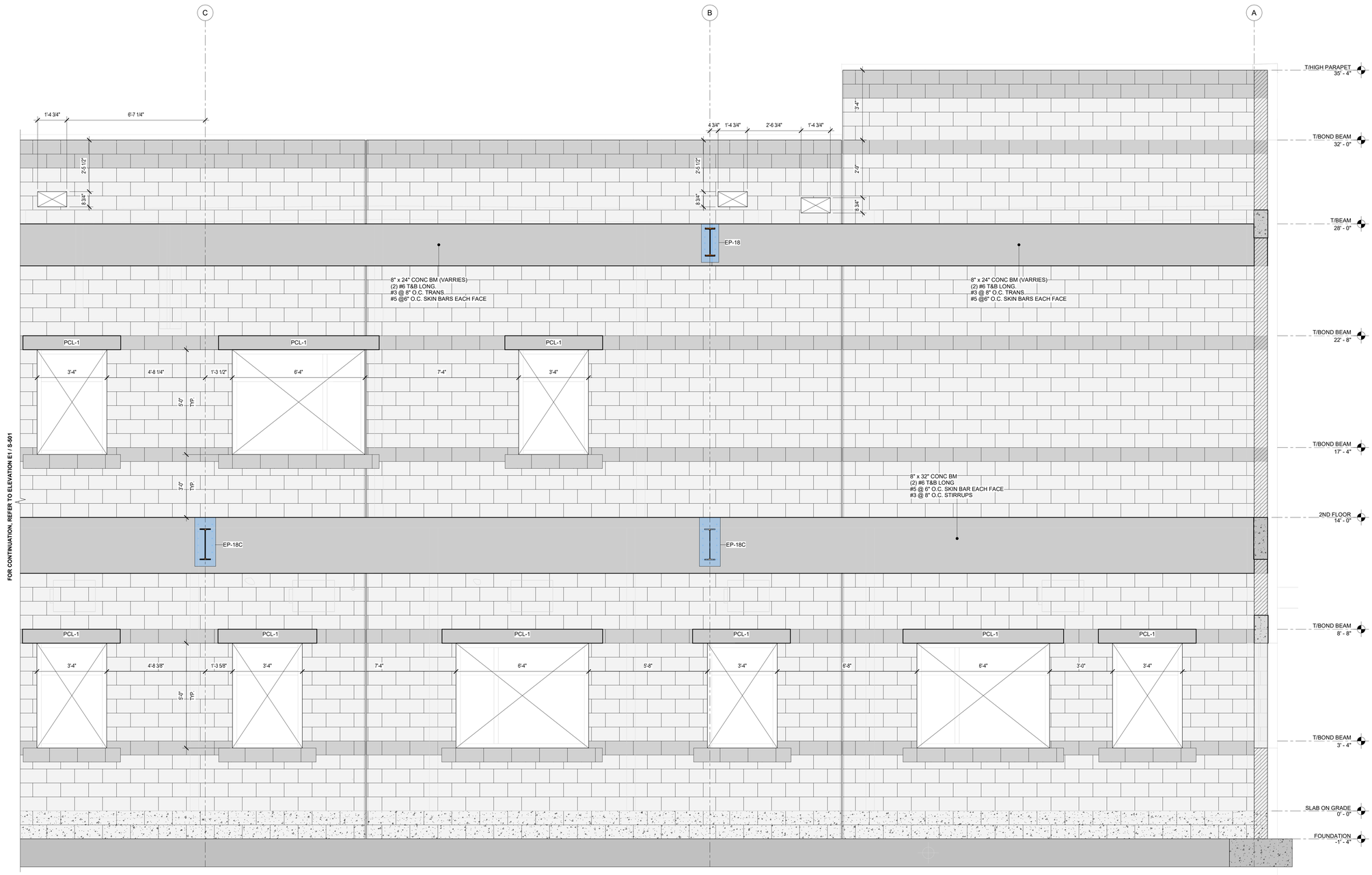
0"
1"

WALL ELEVATION NOTES:

1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS
2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
3. BALANCE OF REINFORCING PER THE SCHEDULE SHOWN ON FOUNDATION OR SLAB ON GRADE PLANS INCLUDING TYPICAL REINFORCING AT WALL OPENINGS, CORNERS, AND INTERSECTION.
4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:



5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-303
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



FOR CONTINUATION, REFER TO ELEVATION E1 / S-501

E2 / S-502 WALL ELEVATION 2
SCALE: 1/2" = 1'-0"

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CLIENT PROJECT NUMBER: PQ#5162600045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

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MARTIN COUNTY SCHOOL DISTRICT	
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2026/05/25	25064.00

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ELEVATIONS

S-502

ELEVATIONS
S-503

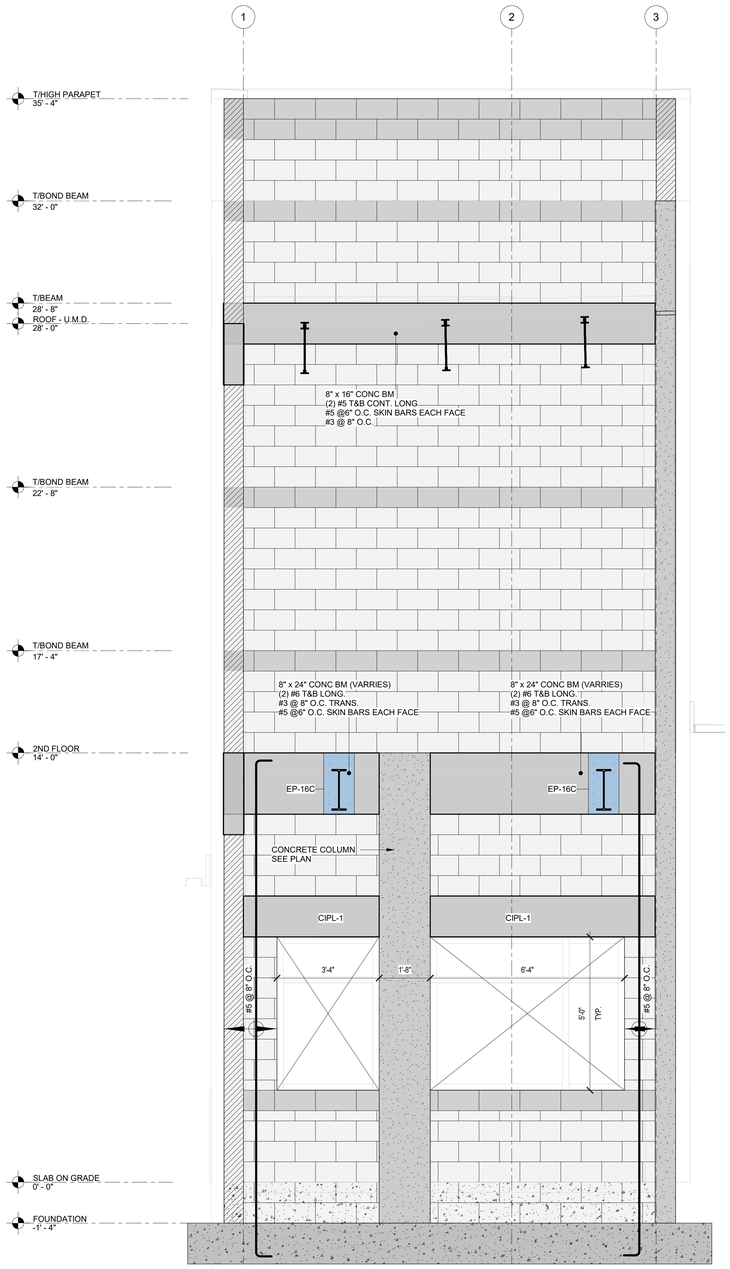
0"
1"

WALL ELEVATION NOTES:

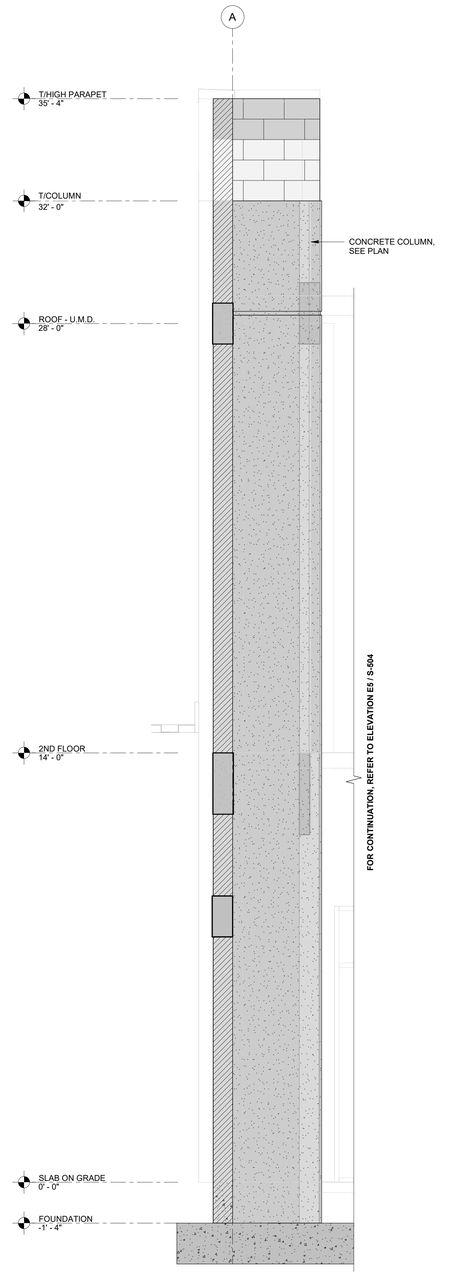
1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS
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4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:



5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-303
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E3 / S-503 WALL ELEVATION 3
SCALE: 1/2" = 1'-0"



E4 / S-503 WALL ELEVATION 4
SCALE: 1/2" = 1'-0"

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100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

ELEVATIONS

S-503

Plot Stamp:
28/05/2026 2:39:52 am

ELEVATIONS
S-504

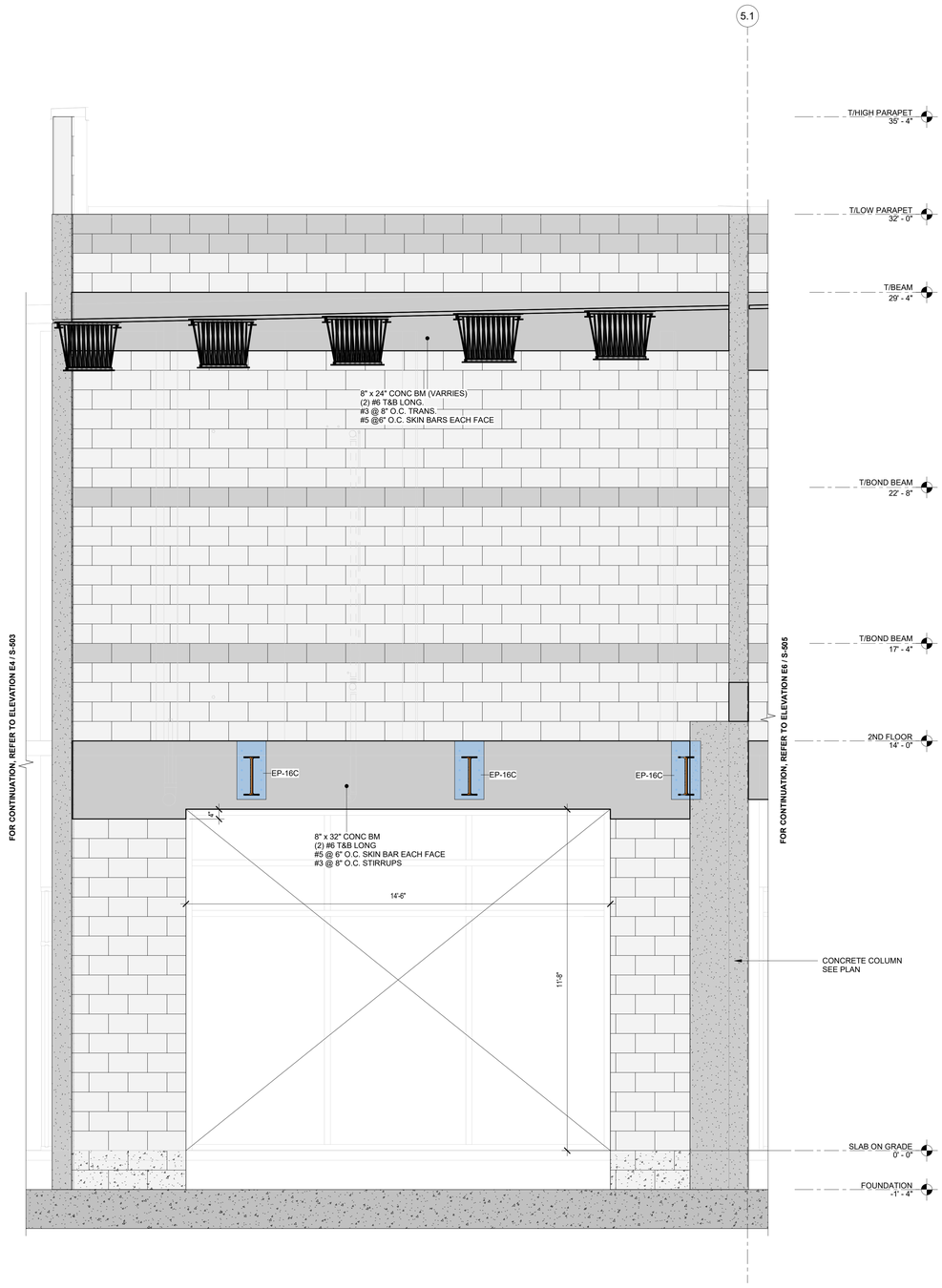
0"
1"

WALL ELEVATION NOTES:

1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS.
2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
3. BALANCE OF REINFORCING PER THE SCHEDULE SHOWN ON FOUNDATION OR SLAB ON GRADE PLANS INCLUDING TYPICAL REINFORCING AT WALL OPENINGS, CORNERS, AND INTERSECTION.
4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:



5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-303
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E5 / S-504 WALL ELEVATION 5
SCALE: 1/2" = 1'-0"

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MARTIN COUNTY SCHOOL DISTRICT	
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2026/05/25	25064.00

DRAWING HISTORY

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MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
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FT. LAUDERDALE, FLORIDA 33312
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ELEVATIONS

S-504

HB ESTIMATING REC'D 06.01.2026

Plot Stamp:
28/05/2026 2:39:53 am

ELEVATIONS
S-505

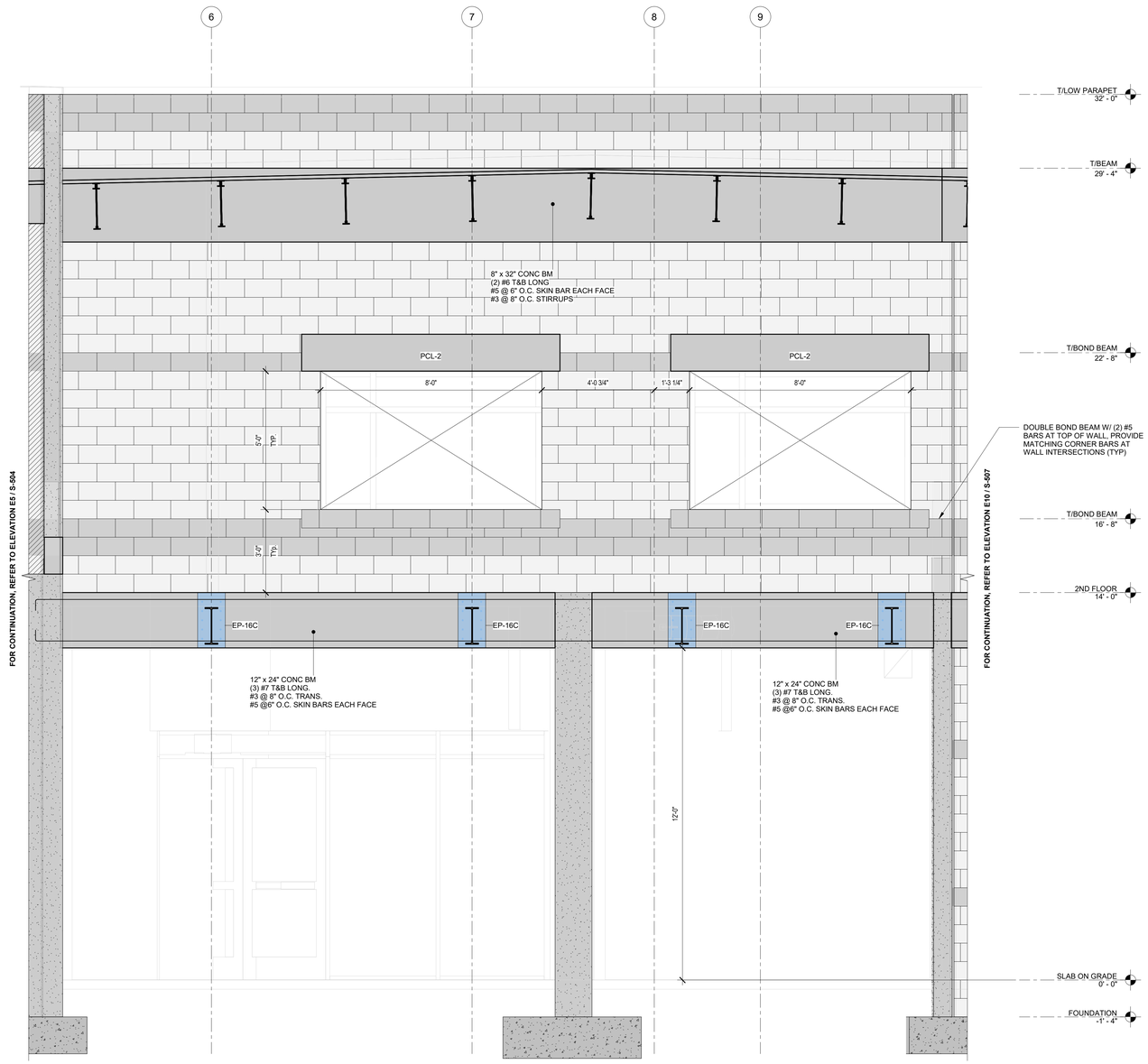
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WALL ELEVATION NOTES:

1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS
2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
3. BALANCE OF REINFORCING PER THE SCHEDULE SHOWN ON FOUNDATION OR SLAB ON GRADE PLANS INCLUDING TYPICAL REINFORCING AT WALL OPENINGS, CORNERS, AND INTERSECTION.
4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:



5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-303
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E6 / S-505 WALL ELEVATION 6
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSED No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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ELEVATIONS

S-505

ELEVATIONS
S-506

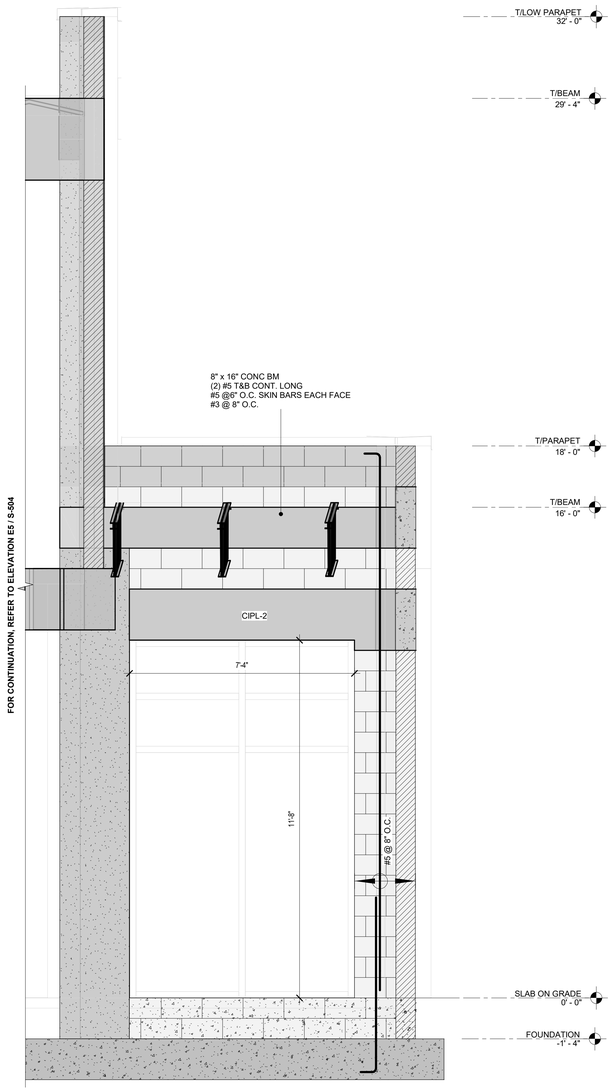
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WALL ELEVATION NOTES:

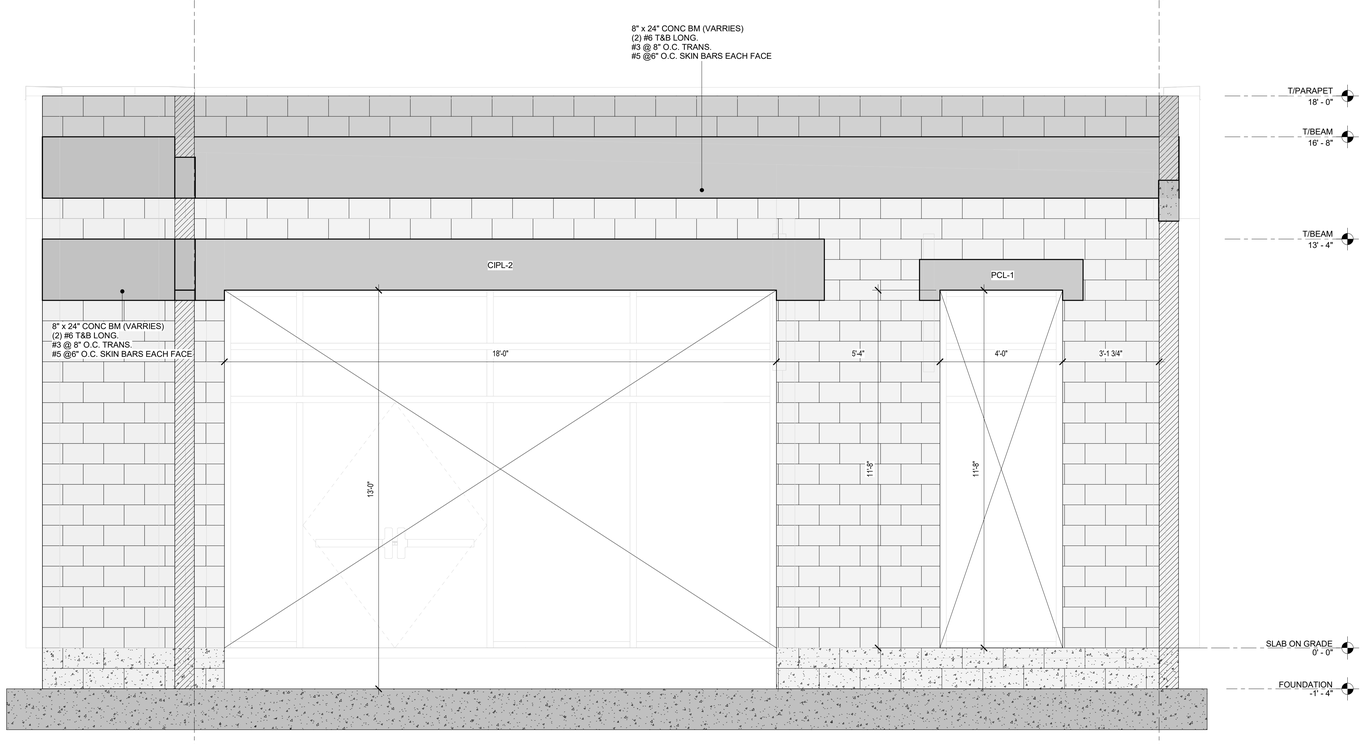
1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS
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8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E7 / S-506 WALL ELEVATION 7
SCALE: 1/2" = 1'-0"



E8 / S-506 WALL ELEVATION 8
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

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STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#0182600045

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MARTIN COUNTY SCHOOL DISTRICT

NICOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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ELEVATIONS

S-506

ELEVATIONS
S-507

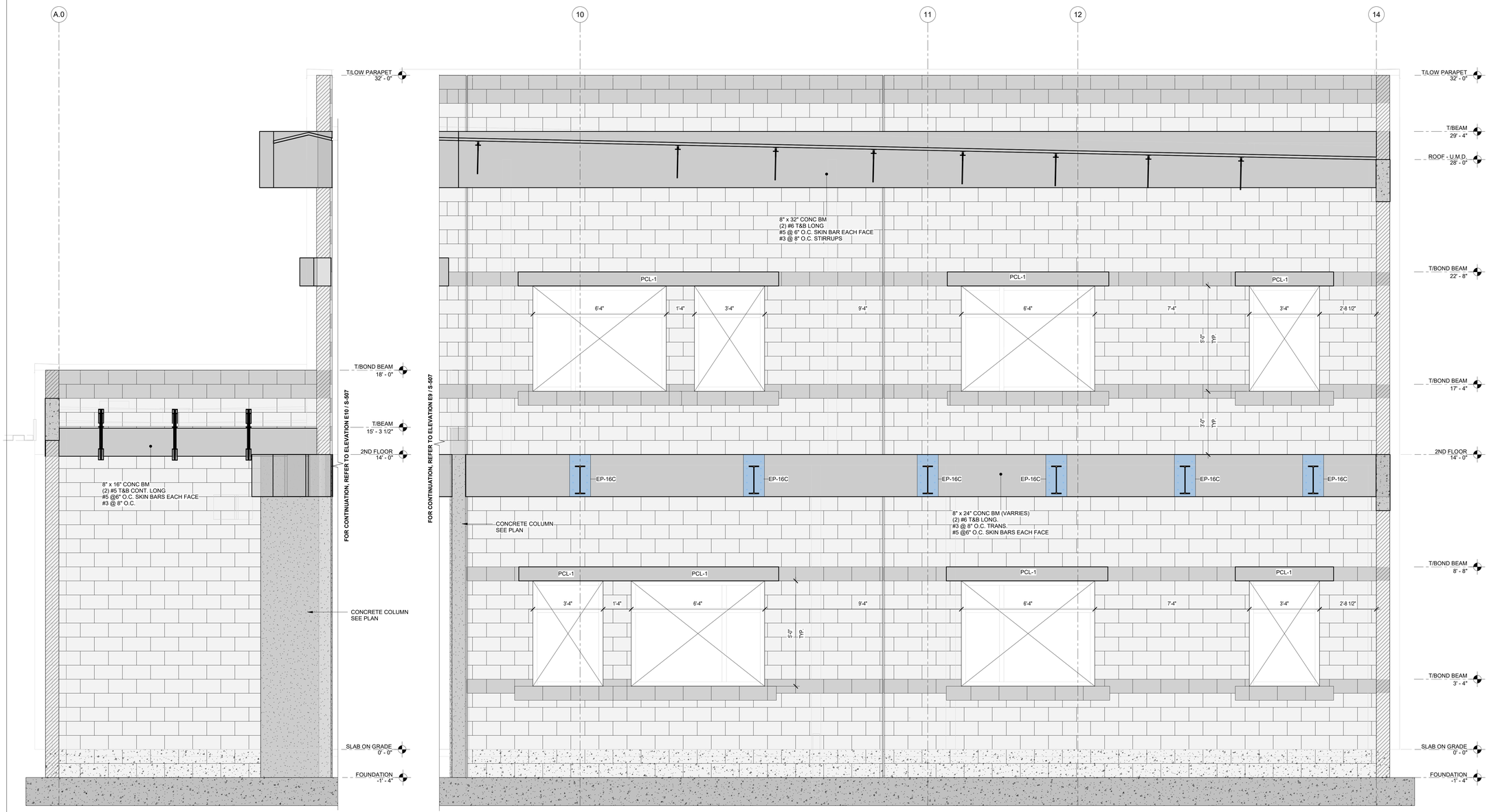
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1"

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7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E9 / S-507 WALL ELEVATION 9
SCALE: 1/2" = 1'-0"

E10 / S-507 WALL ELEVATION 10
SCALE: 1/2" = 1'-0"

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CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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ELEVATIONS

S-507

ELEVATIONS
S-508

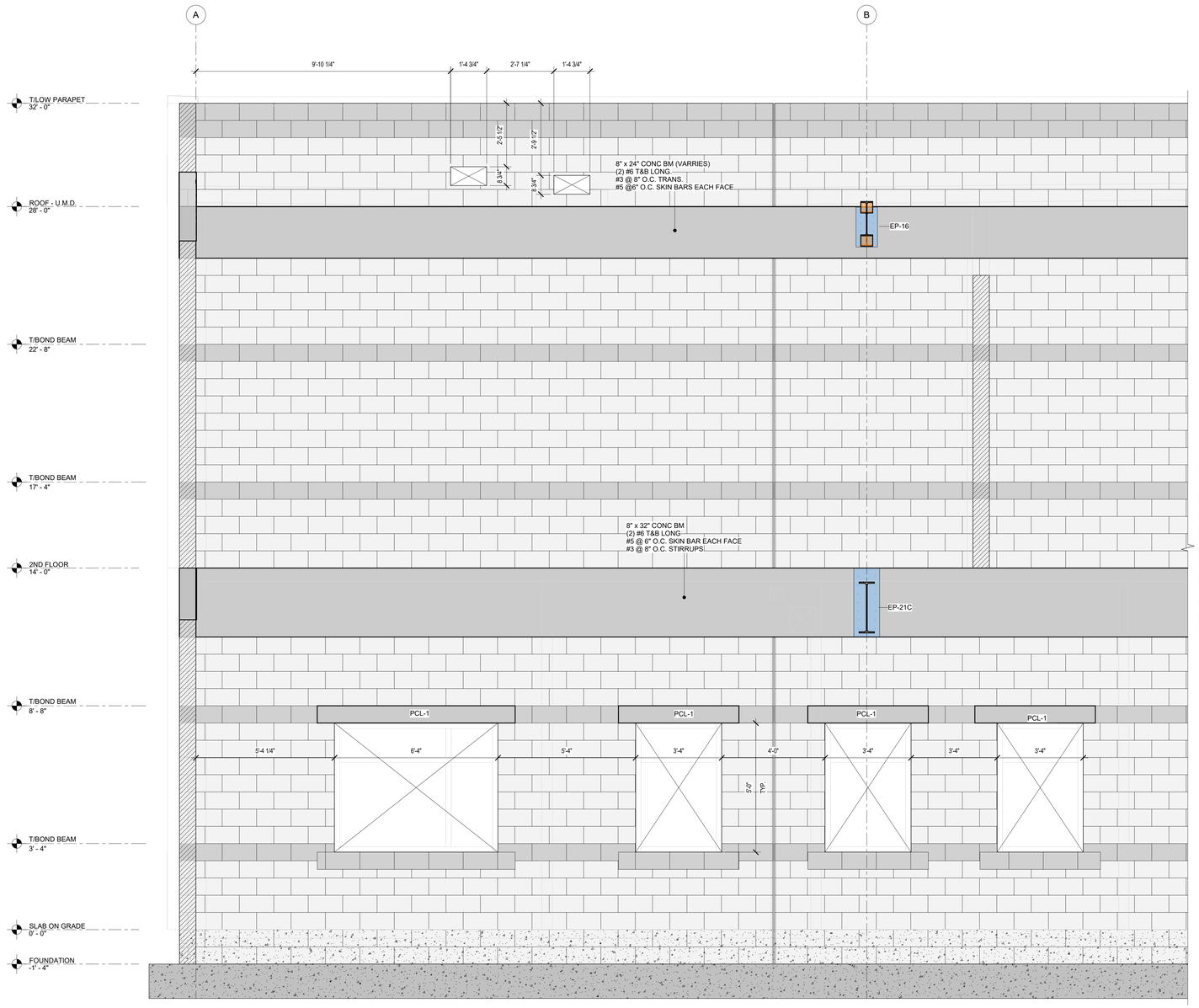
0"
1"

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7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E11 / S-508 WALL ELEVATION 11
SCALE: 1/2" = 1'-0"

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CLIENT PROJECT NUMBER: PQ#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

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ELEVATIONS

S-508

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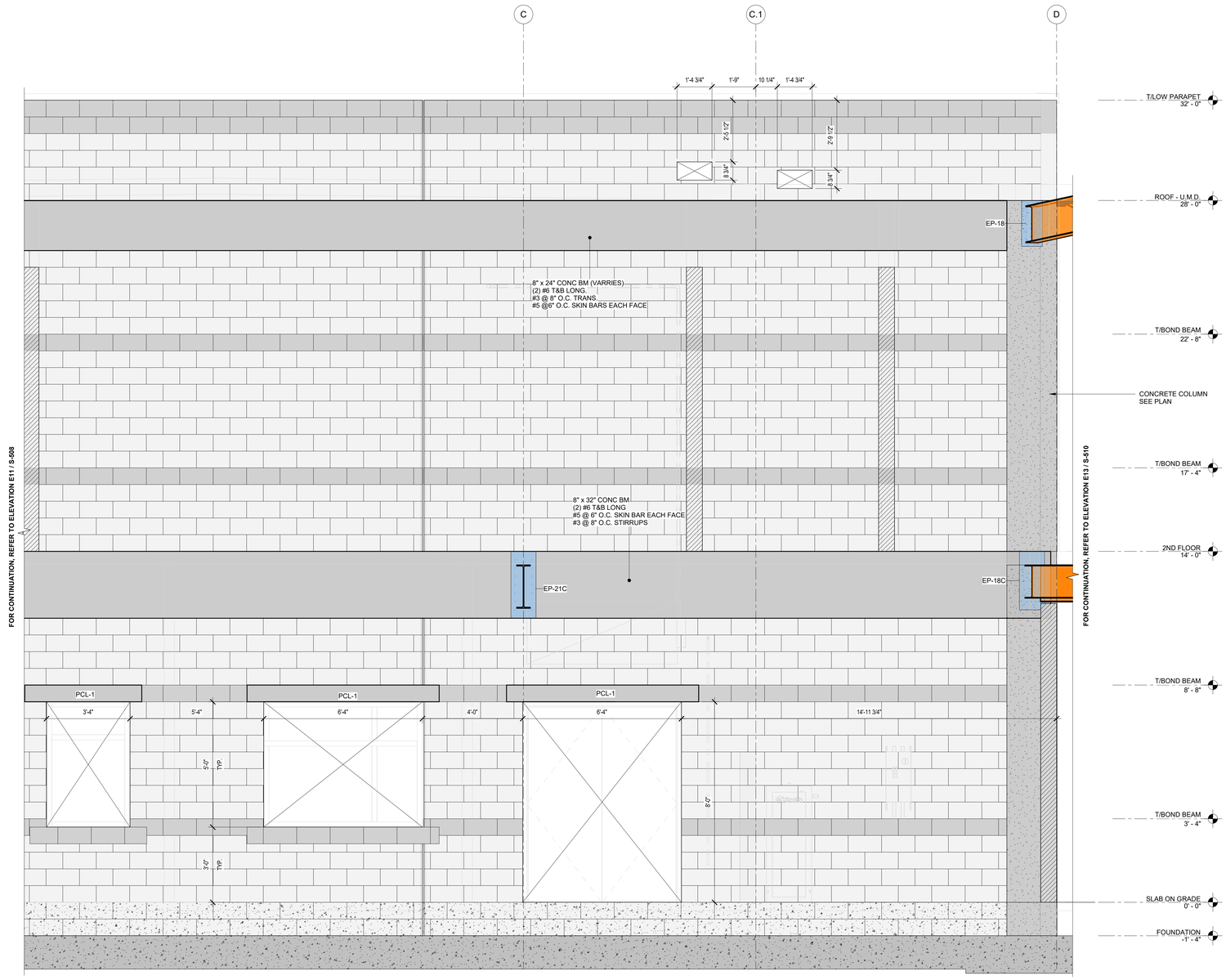
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1"

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8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E12 / S-509 WALL ELEVATION 12
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

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CLIENT PROJECT NUMBER: PO4516260004S

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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ELEVATIONS

S-509

Plot Stamp:
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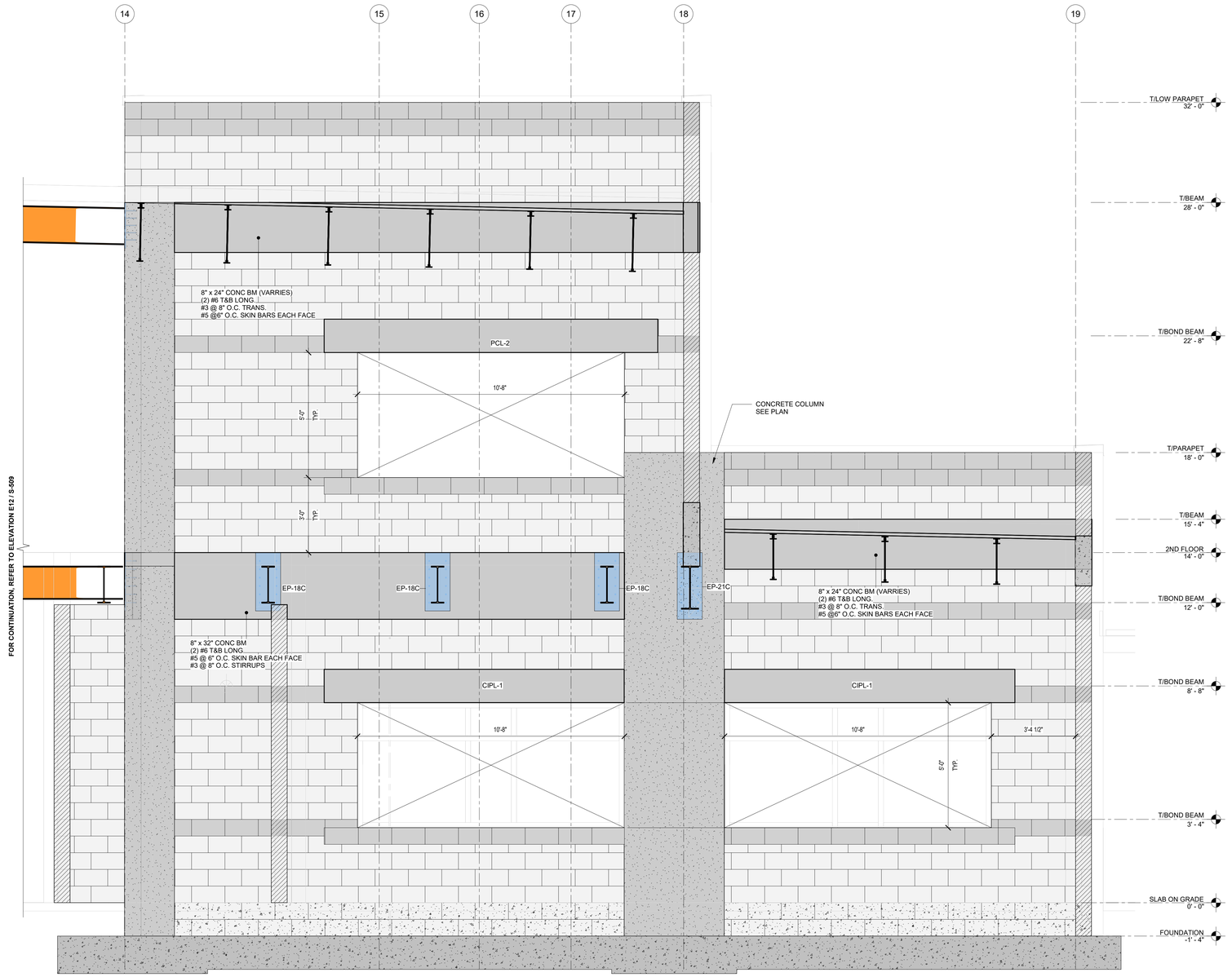
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1"

WALL ELEVATION NOTES:

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8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E13 / S-510 WALL ELEVATION 13
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182600045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS
LICENSE
No 97374
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

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MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
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ELEVATIONS

S-510

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ELEVATIONS
S-511

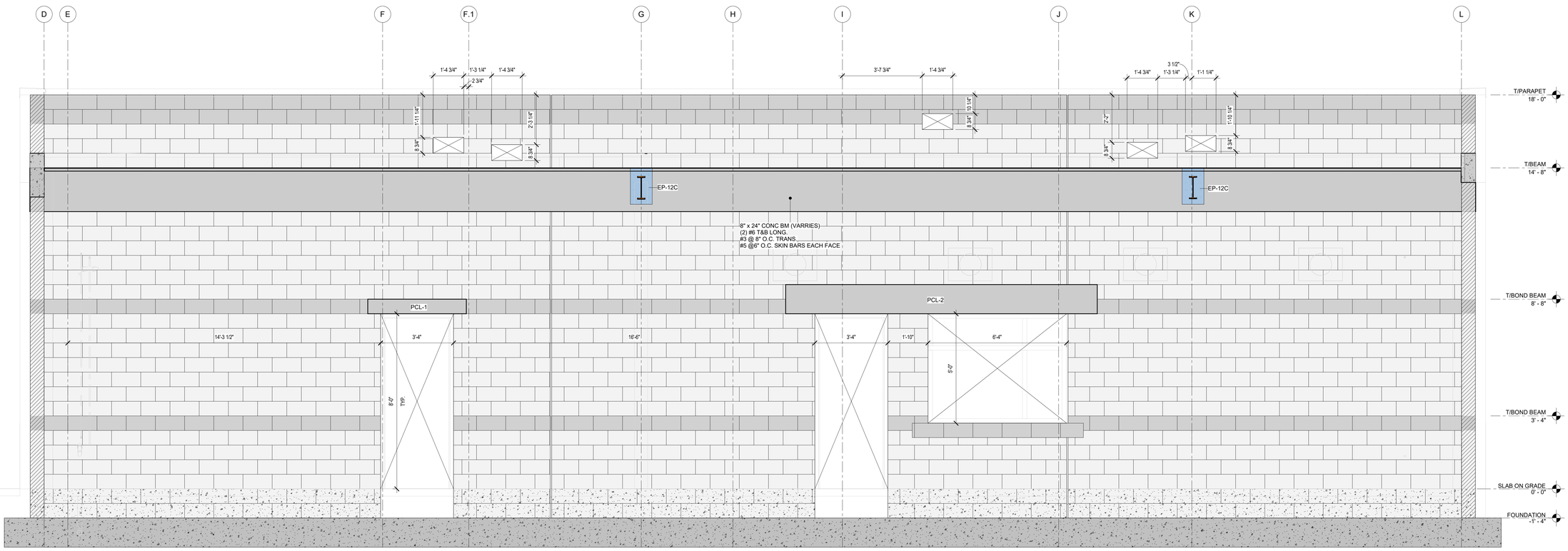
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E14 / S-511 WALL ELEVATION 14
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
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CLIENT PROJECT NUMBER: P0#5162600045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS
LICENSE
No 97374
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
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CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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DRAWN BY: AN/DN

ELEVATIONS

S-511

ELEVATIONS
S-512

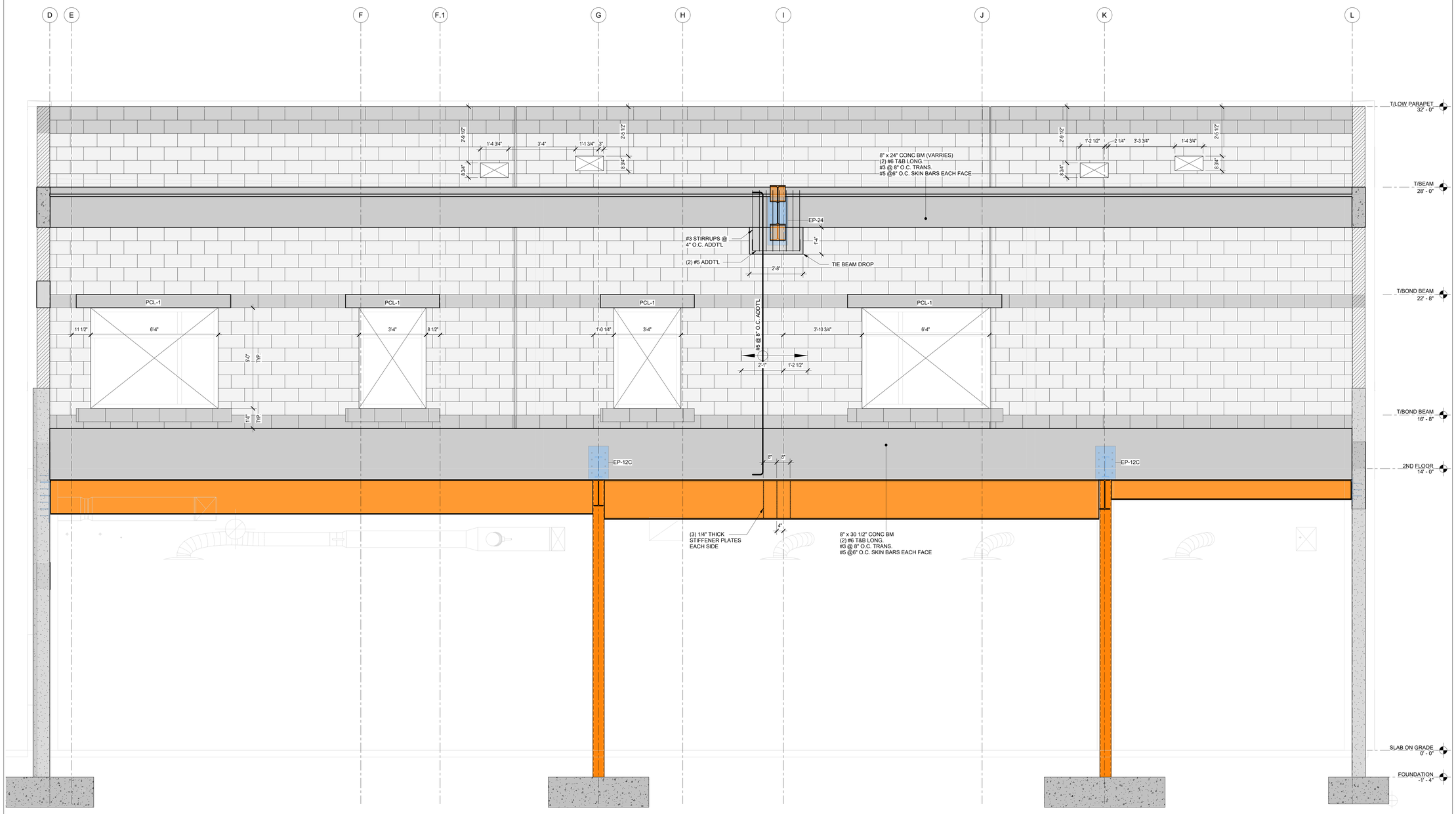
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1"

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E15 / S-512 WALL ELEVATION 15
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL
MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182000045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

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DATE	PROJECT NUMBER
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DRAWING HISTORY

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DRAWN BY: AN/DN

ELEVATIONS

S-512

Plot Stamp:
28/05/2026 2:40:04 am

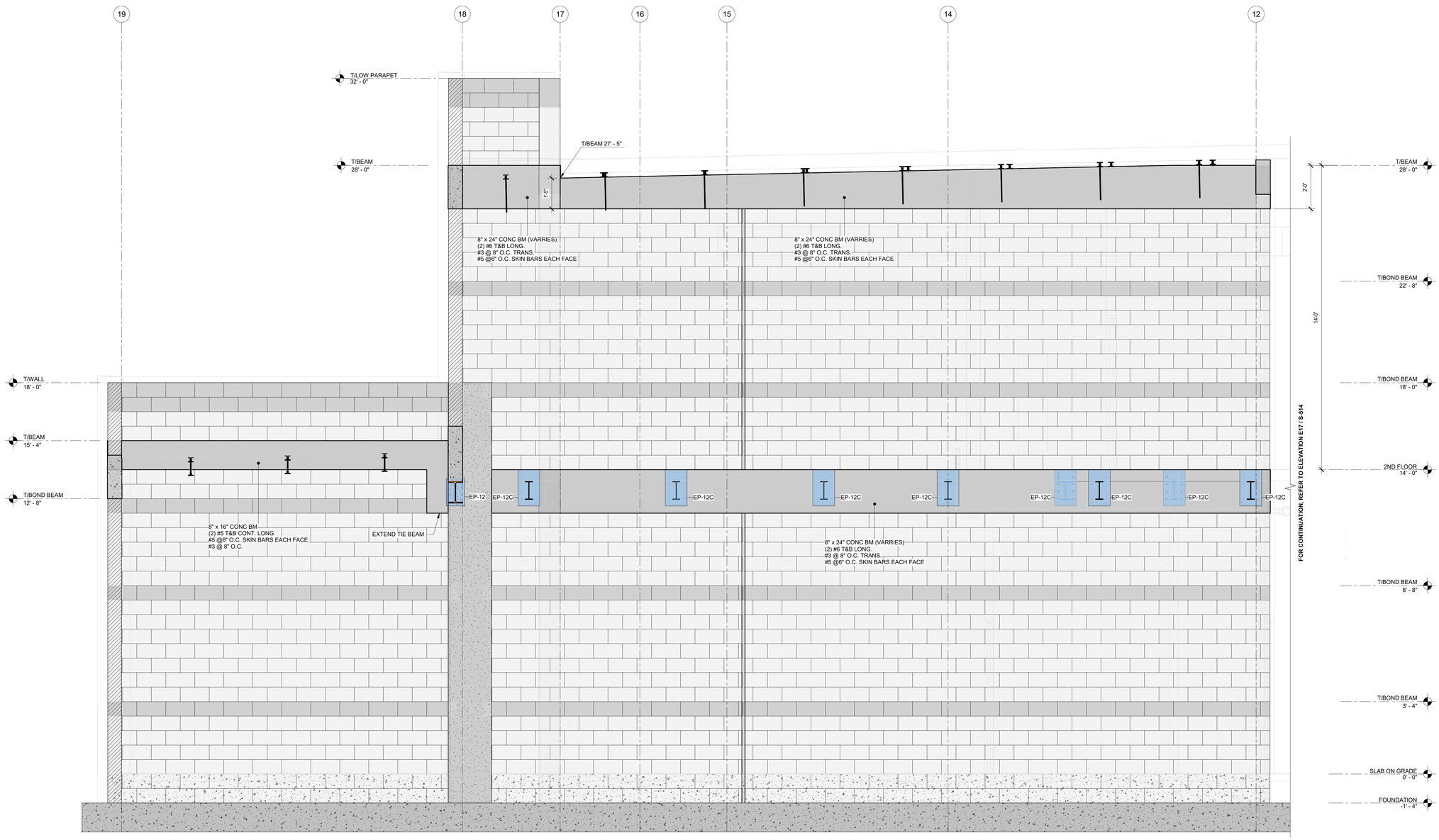
0"
1"

WALL ELEVATION NOTES:

1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS.
2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
3. BALANCE OF REINFORCING PER THE SCHEDULE SHOWN ON FOUNDATION OR SLAB ON GRADE PLANS INCLUDING TYPICAL REINFORCING AT WALL OPENINGS, CORNERS, AND INTERSECTION.
4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:



5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-303
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E16 / S-513 WALL ELEVATION 16
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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ELEVATIONS

S-513

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28/05/2026 2:40:05 am

ELEVATIONS
S-514

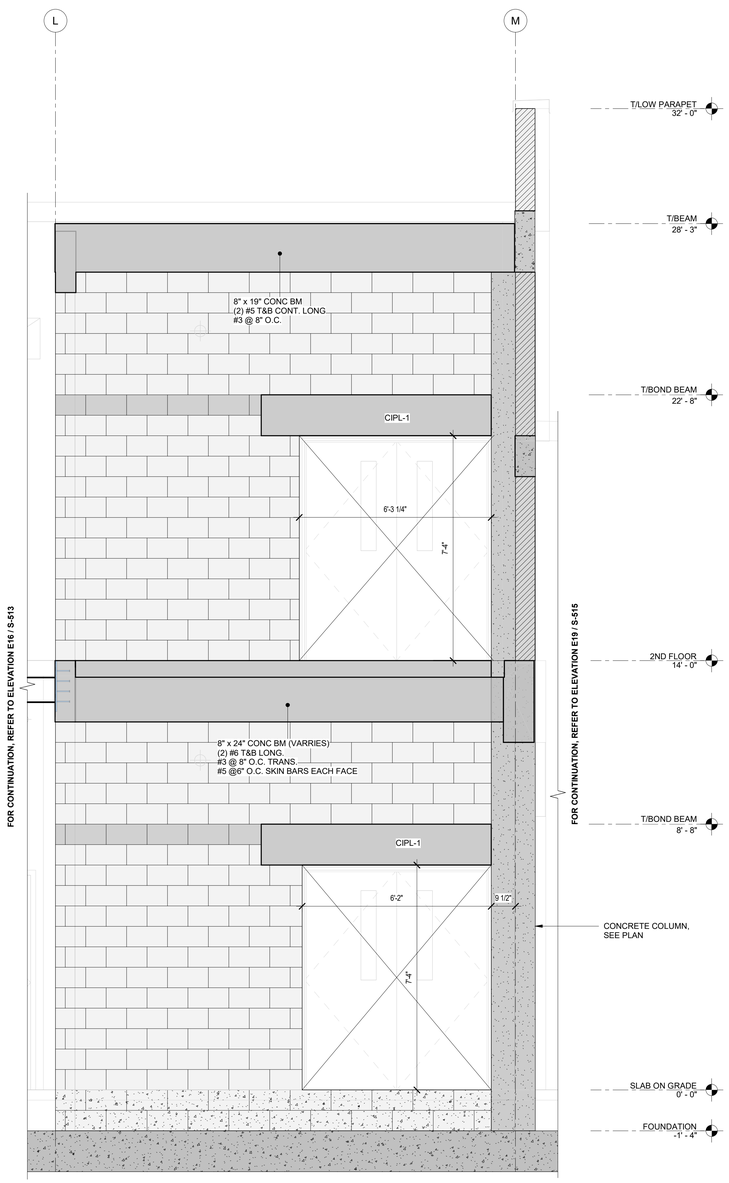
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WALL ELEVATION NOTES:

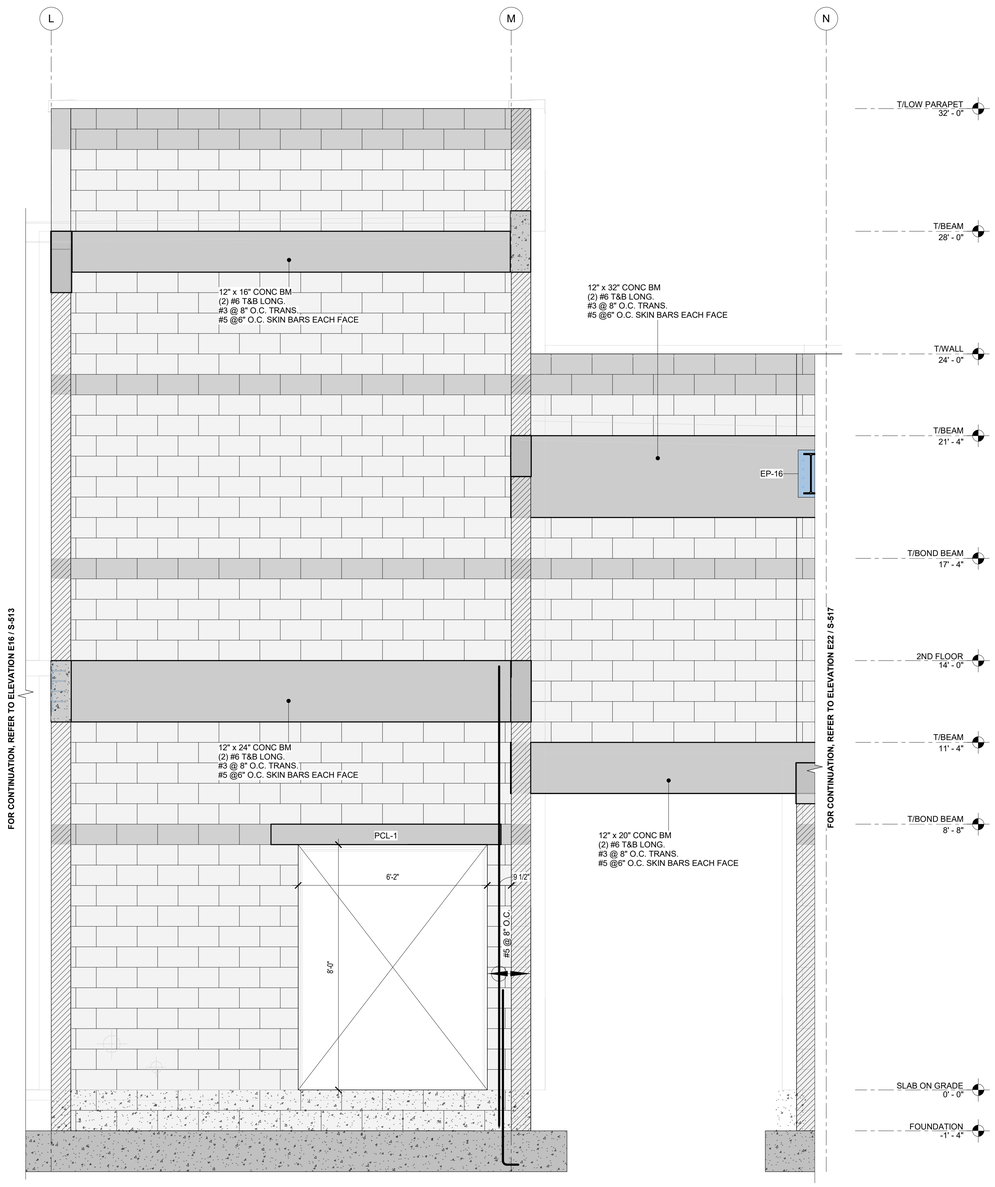
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6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E17 / S-514 WALL ELEVATION 17
SCALE: 1/2" = 1'-0"



E18 / S-514 WALL ELEVATION 18
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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ELEVATIONS

S-514

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ELEVATIONS
S-515

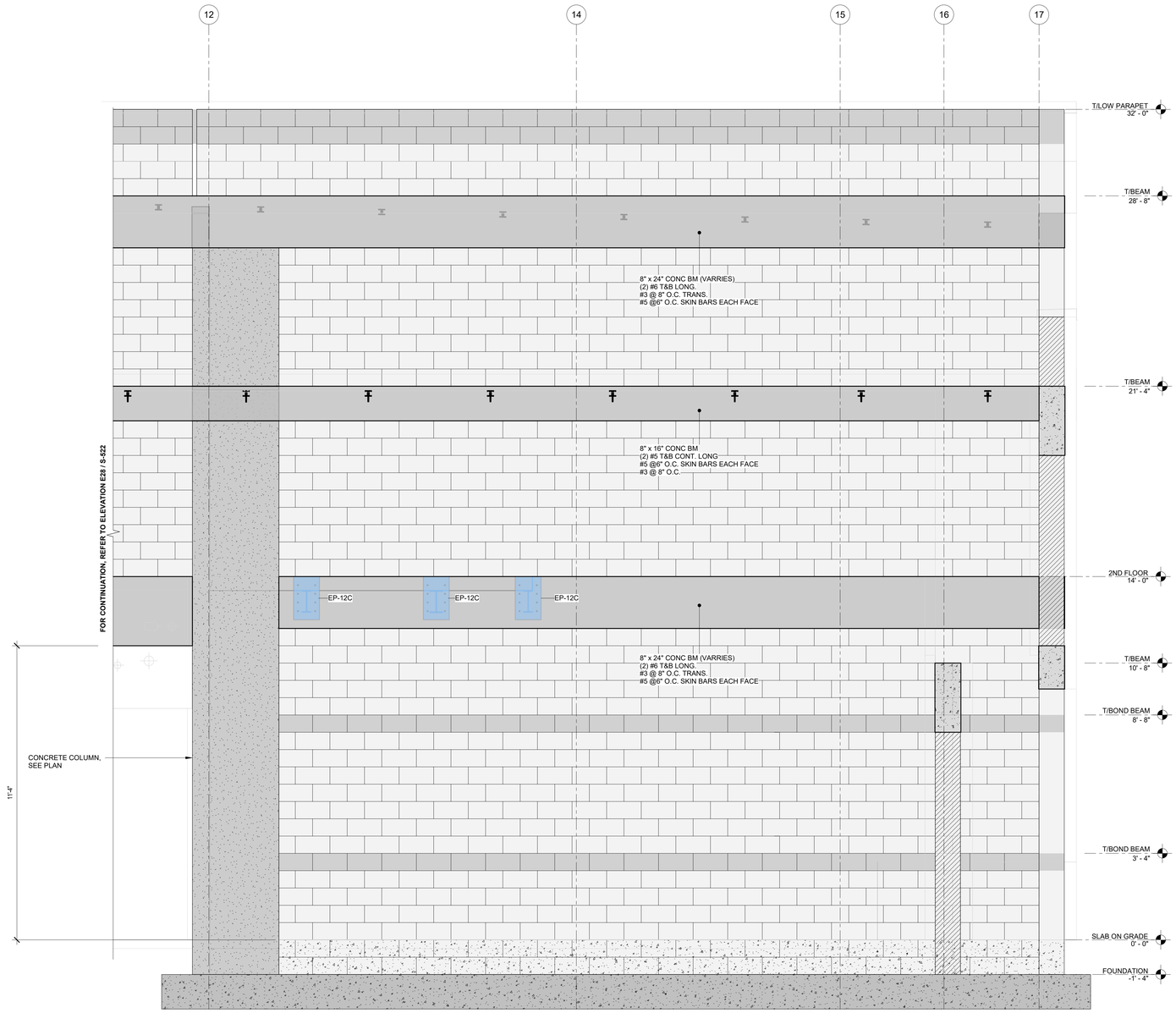
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1"

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8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E19 / S-515 WALL ELEVATION 19
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5162600045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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DRAWN BY: AN/DN

ELEVATIONS

S-515

Plot Stamp:
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ELEVATIONS
S-516

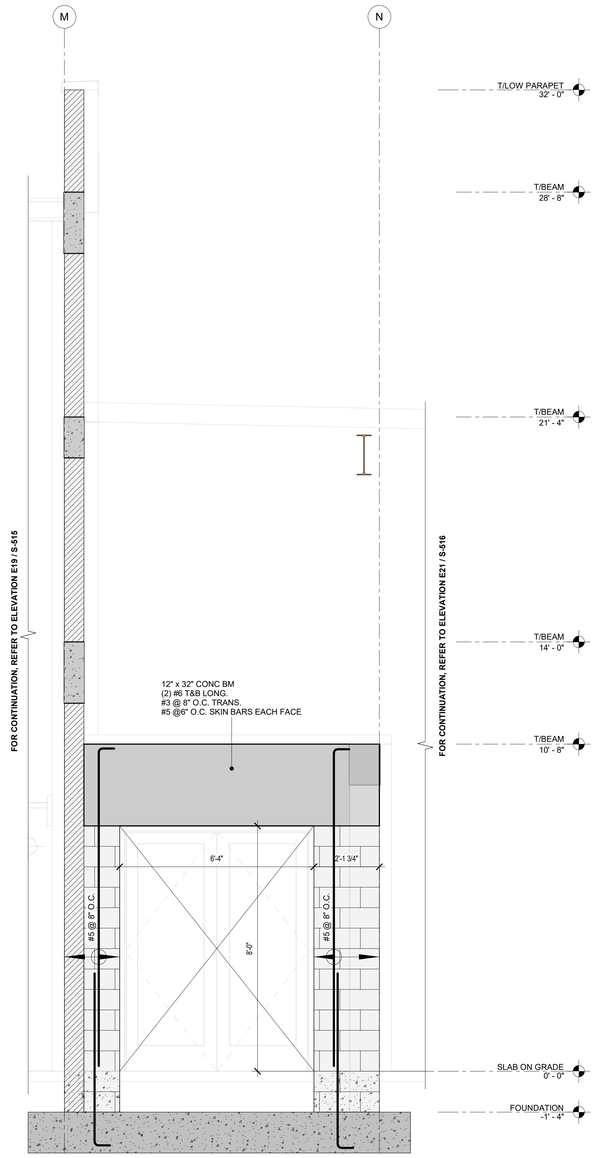
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WALL ELEVATION NOTES:

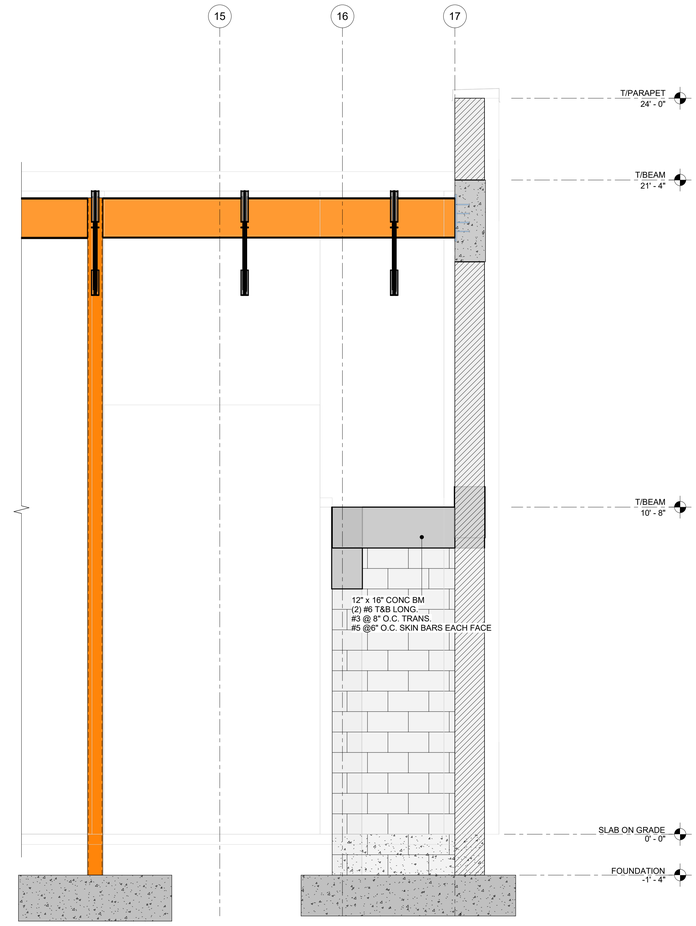
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8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E20 / S-516 WALL ELEVATION 20
SCALE: 1/2" = 1'-0"



E21 / S-516 WALL ELEVATION 21
SCALE: 1/2" = 1'-0"

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CLIENT PROJECT NUMBER: PQ#5182600045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

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DRAWN BY: AN/DN

ELEVATIONS

S-516

ELEVATIONS
S-517

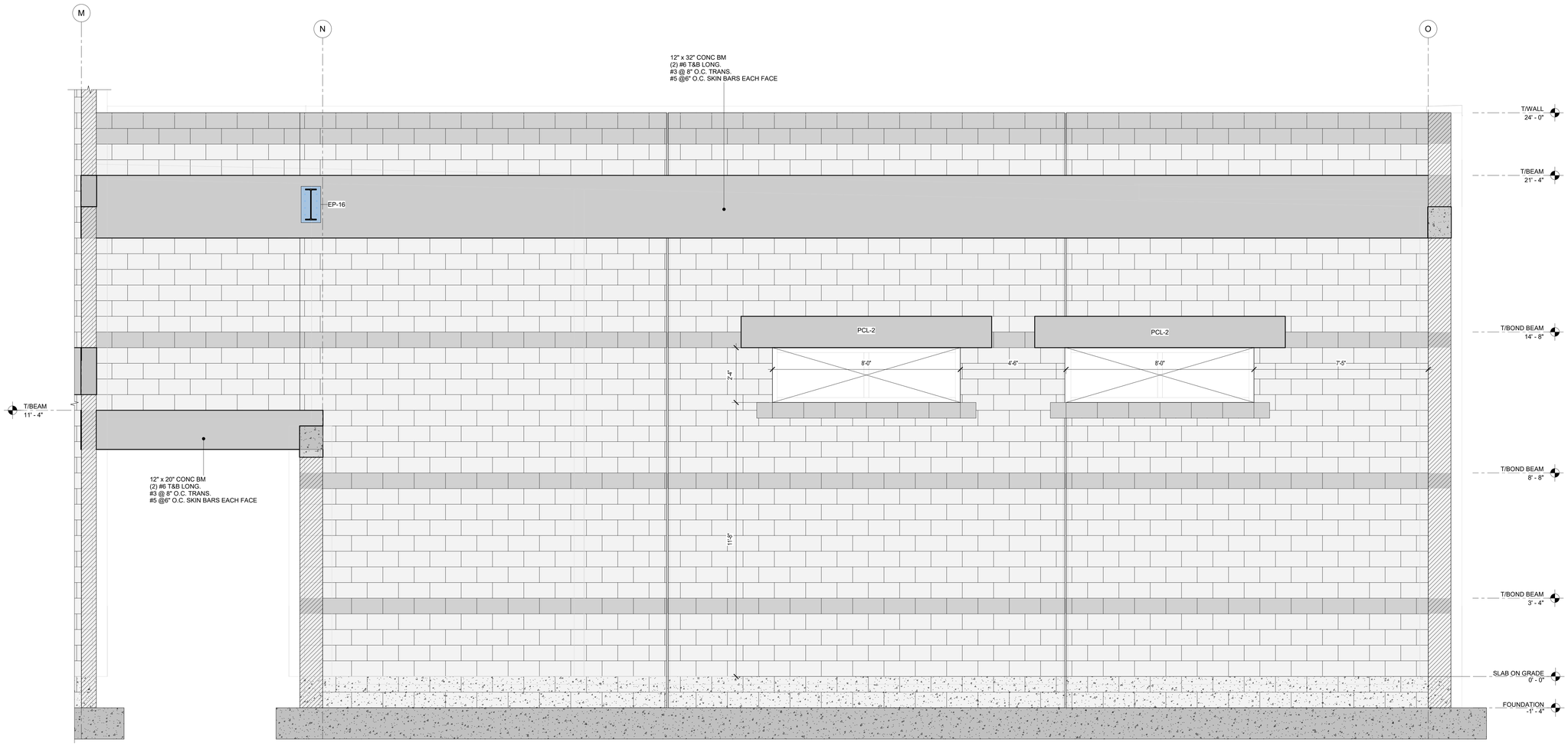
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1"

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7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E22
S-517
WALL ELEVATION 22
SCALE: 1/2" = 1'-0"

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561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5162600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

ELEVATIONS

S-517

ELEVATIONS
S-518

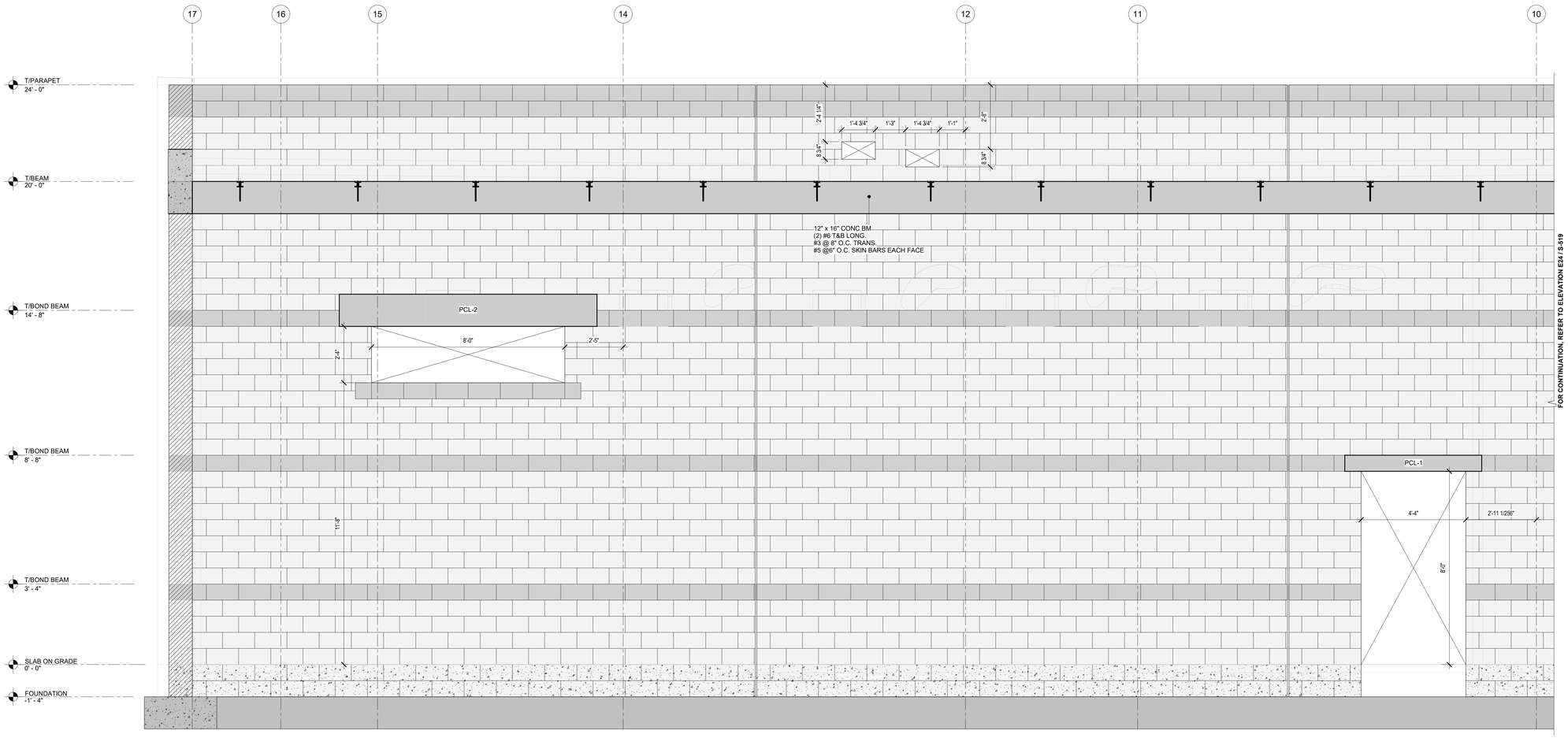
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1"

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6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E23 / S-518 WALL ELEVATION 23
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

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STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5162600045

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MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS · LICENSE · No 97374 · STATE OF FLORIDA · PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

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ELEVATIONS

S-518

ELEVATIONS
S-519

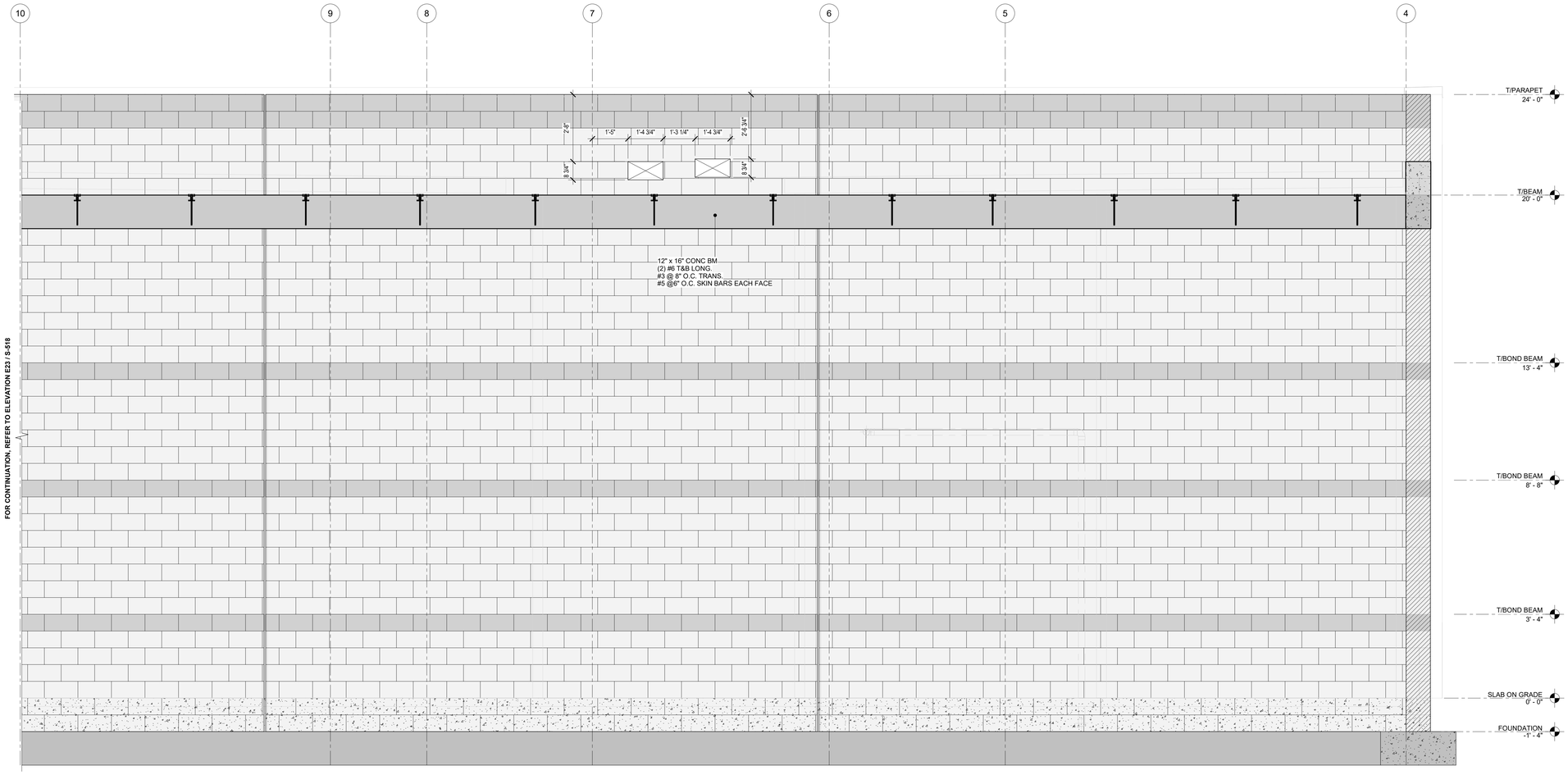
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1"

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8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E24 / S-519 WALL ELEVATION 24
SCALE: 1/2" = 1'-0"

MASTER CONSULTING ENGINEERS, INC.
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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
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MARTIN COUNTY SCHOOL DISTRICT

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NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

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DRAWN BY: AN/DN

ELEVATIONS

S-519

ELEVATIONS
S-520

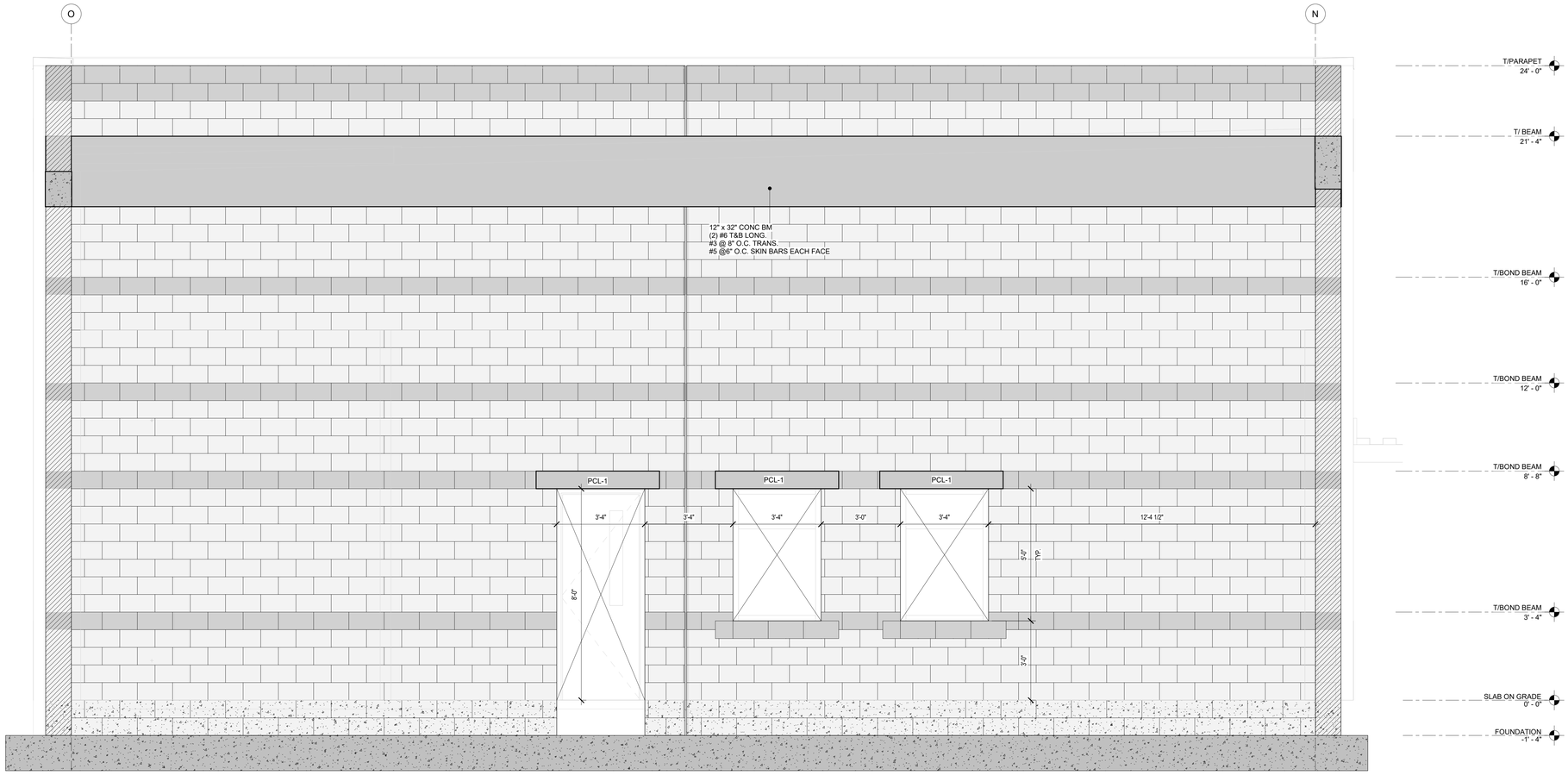
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E25 / S-520 WALL ELEVATION 25
SCALE: 1/2" = 1'-0"

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MARTIN COUNTY SCHOOL DISTRICT

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DRAWN BY: AN/DN

ELEVATIONS

S-520

0"
1"

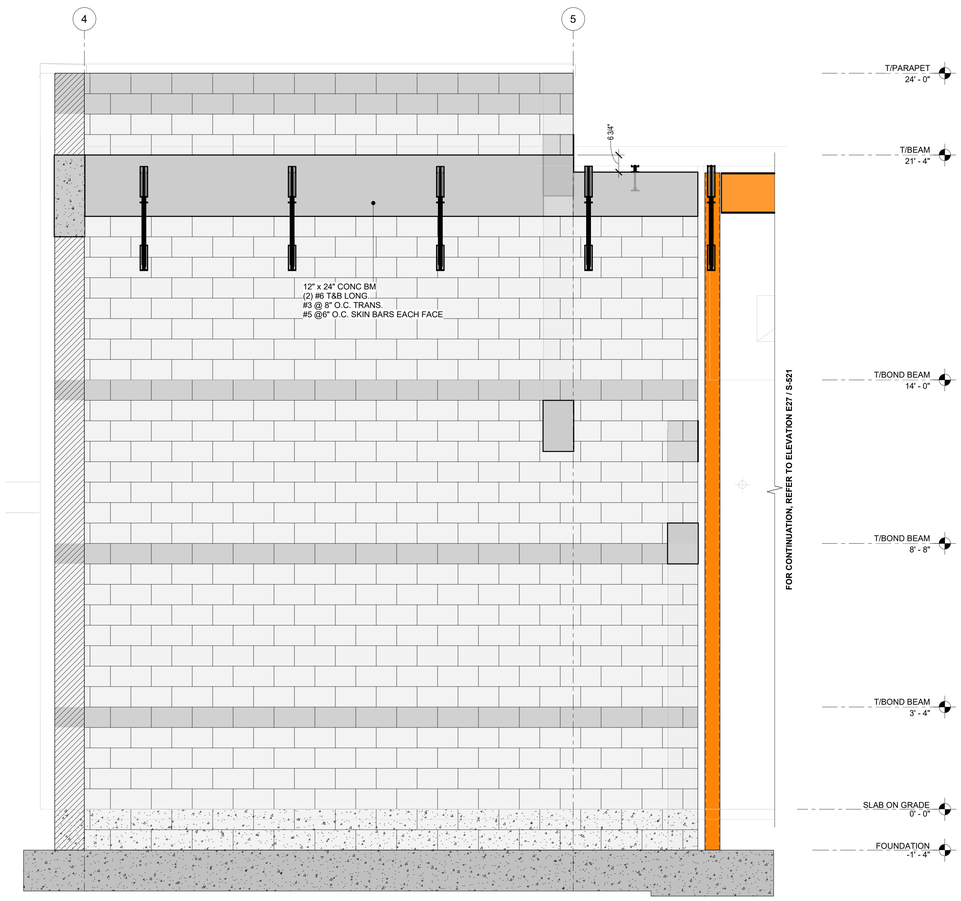
ELEVATIONS
S-521

WALL ELEVATION NOTES:

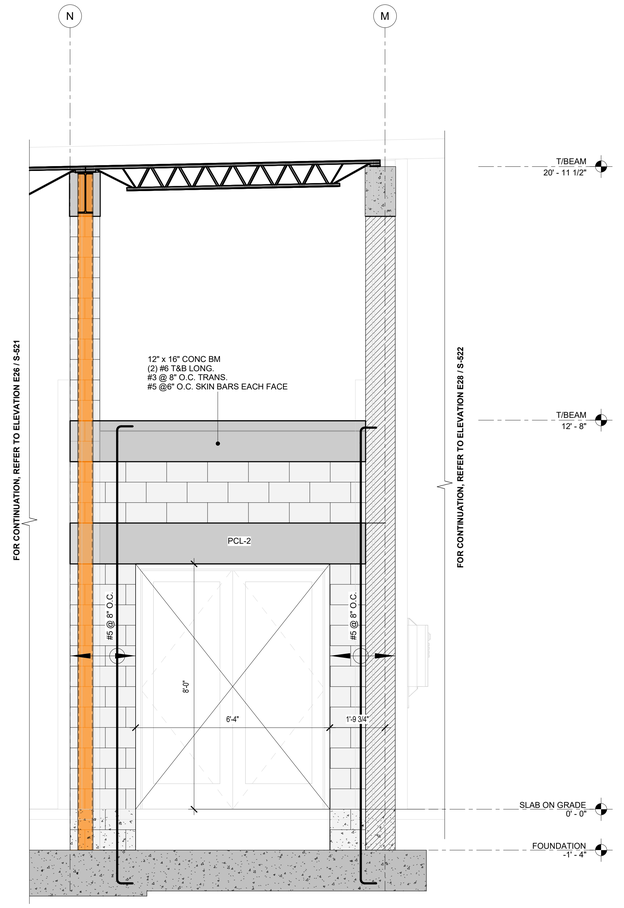
1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS
2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
3. BALANCE OF REINFORCING PER THE SCHEDULE SHOWN ON FOUNDATION OR SLAB ON GRADE PLANS INCLUDING TYPICAL REINFORCING AT WALL OPENINGS, CORNERS, AND INTERSECTION.
4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:



5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-303
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E26 / S-521 WALL ELEVATION 26
SCALE: 1/2" = 1'-0"



E27 / S-521 WALL ELEVATION 27
SCALE: 1/2" = 1'-0"

Plot Stamp:
28/05/2026 2:40:12 am

HB ESTIMATING REC'D 06.01.2026

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FL FIRM: AR 0013140
WEST PALM BEACH, FL
561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5162600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS
LICENSE
No 97374
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
P | 954.210.7671 F | 813.287.3622

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CA: 8426 PROJ NO. 1413-221-31

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, EIGHTH EDITION 2023, ACI 318-19 AND LOCAL CODES AS APPLICABLE

ELEVATIONS

S-521

ELEVATIONS
S-522

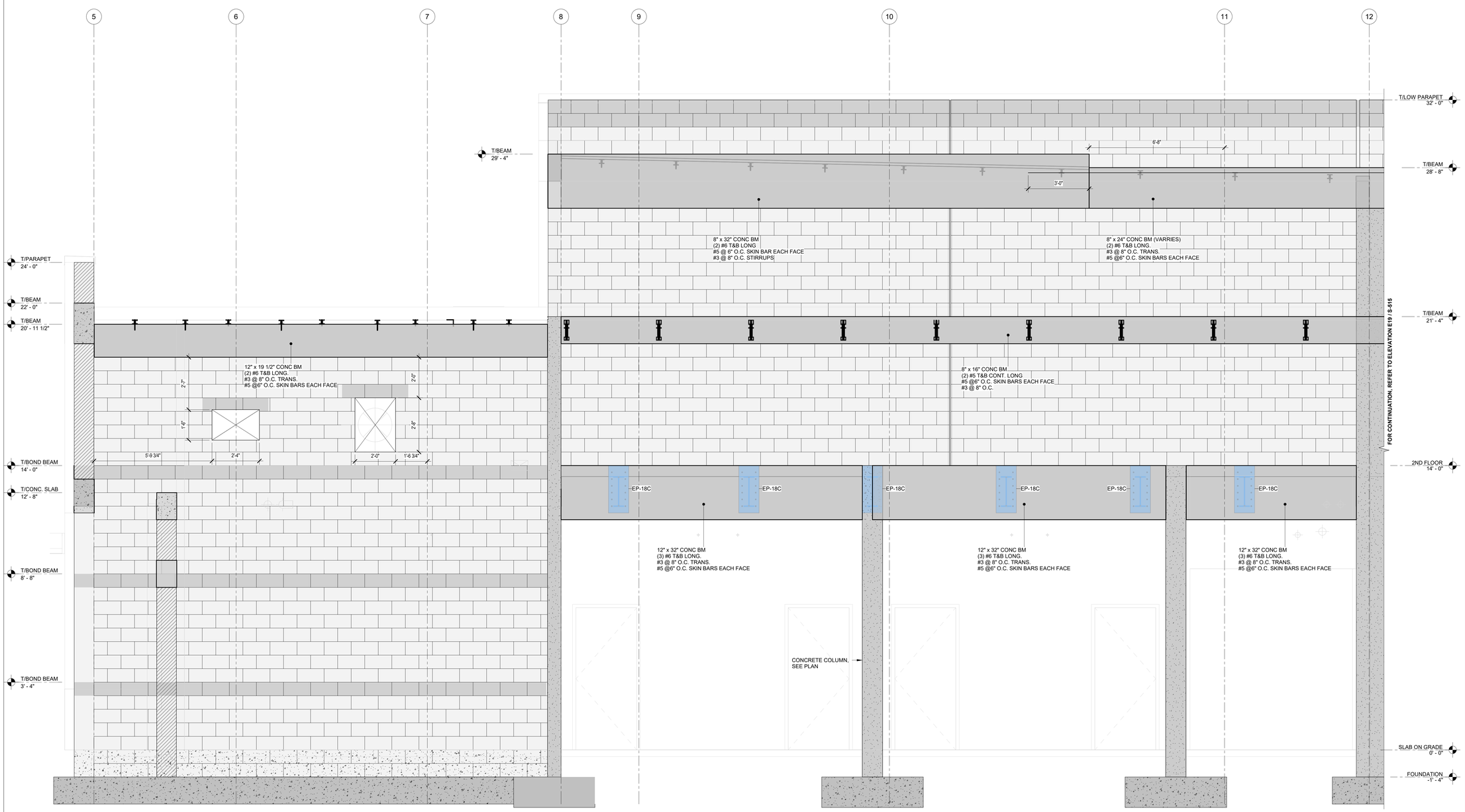
0"
1"

WALL ELEVATION NOTES:

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6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E28 / S-522 WALL ELEVATION 28
SCALE: 1/2" = 1'-0"

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO4516200045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

ELEVATIONS

S-522

ELEVATIONS
S-523

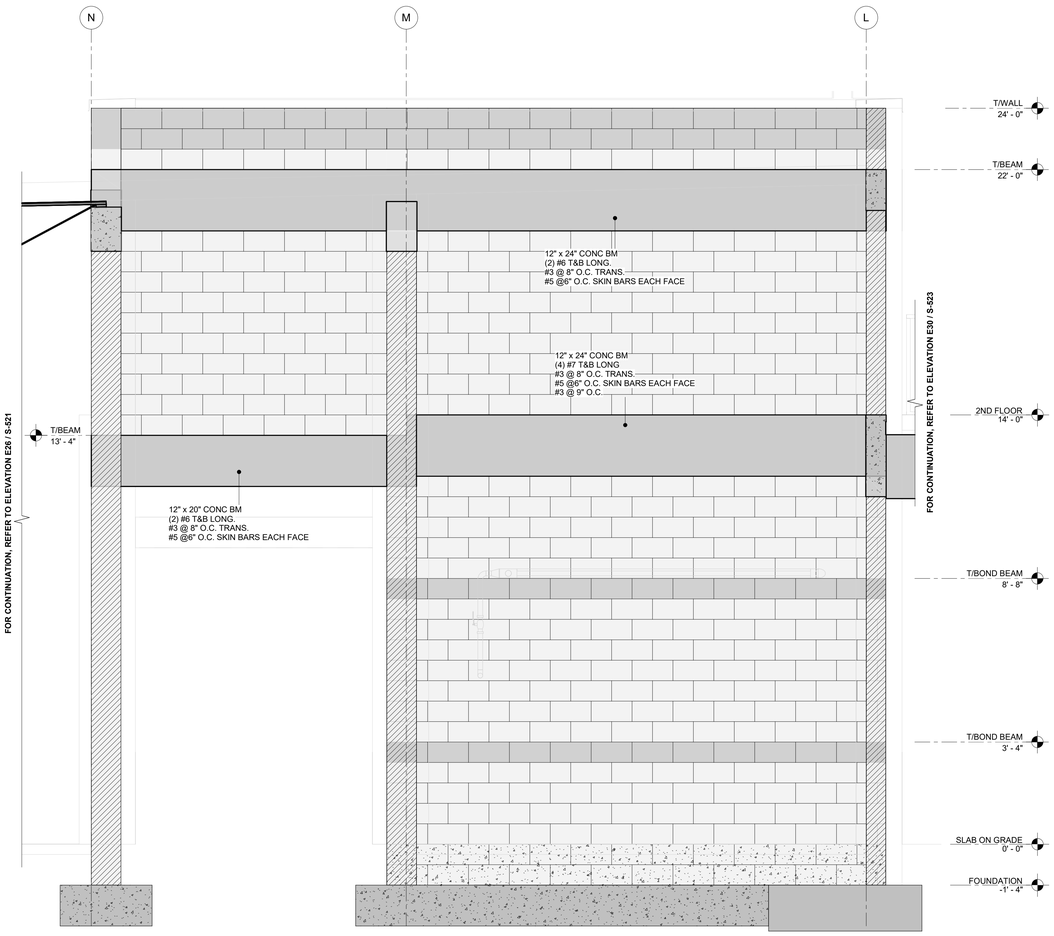
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WALL ELEVATION NOTES:

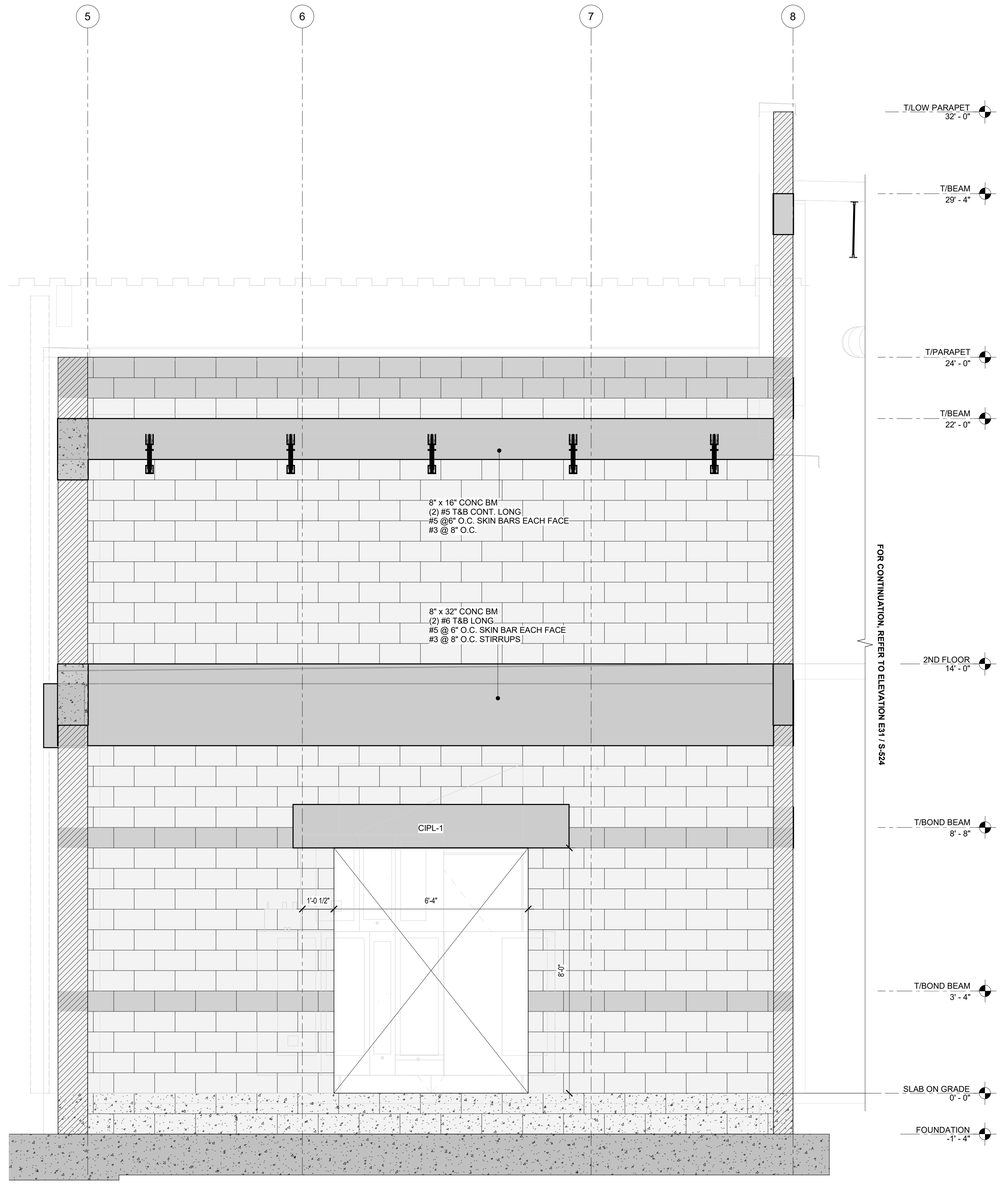
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7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E29 / S-523 WALL ELEVATION 29
SCALE: 1/2" = 1'-0"



E30 / S-523 WALL ELEVATION 30
SCALE: 1/2" = 1'-0"

MASTER CONSULTING ENGINEERS, INC.
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28/05/2026 2:40:15 am

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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO4516200045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

ELEVATIONS

S-523

ELEVATIONS
S-524

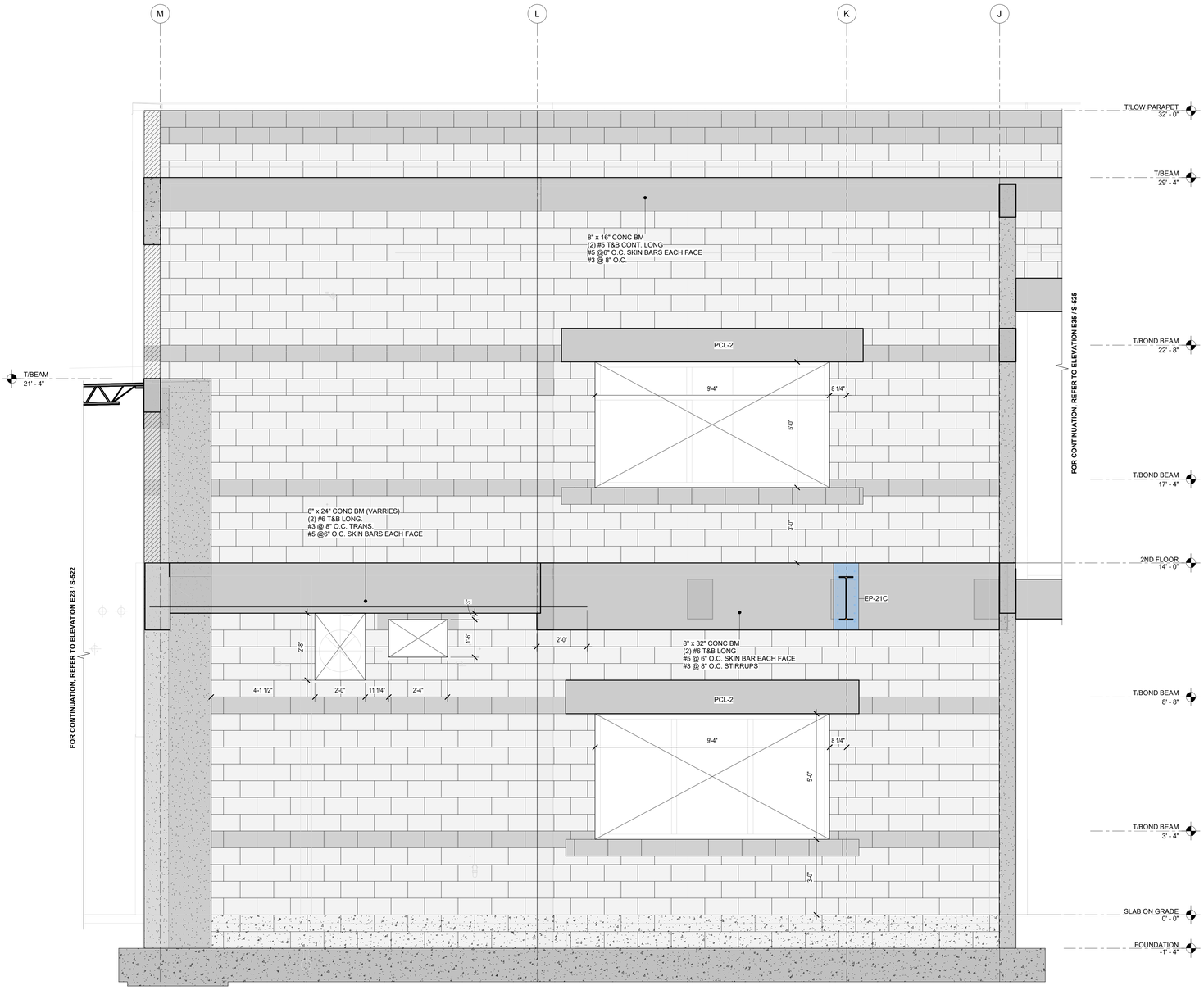
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WALL ELEVATION NOTES:

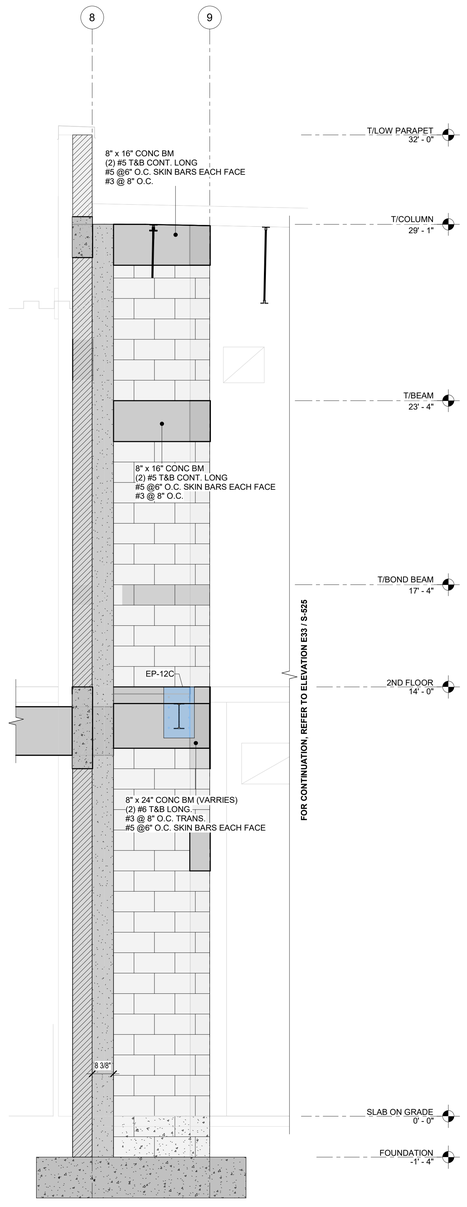
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8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E31 / S-524 WALL ELEVATION 31
SCALE: 1/2" = 1'-0"



E32 / S-524 WALL ELEVATION 32
SCALE: 1/2" = 1'-0"

MASTER CONSULTING ENGINEERS, INC.
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MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO4516200045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS, FLORIDA LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

ELEVATIONS

S-524

ELEVATIONS
S-525

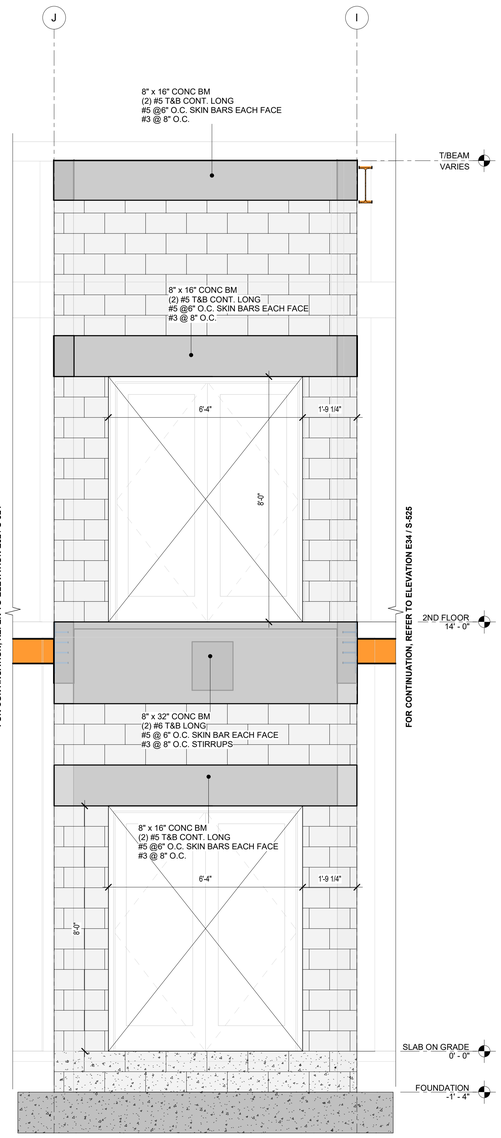
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WALL ELEVATION NOTES:

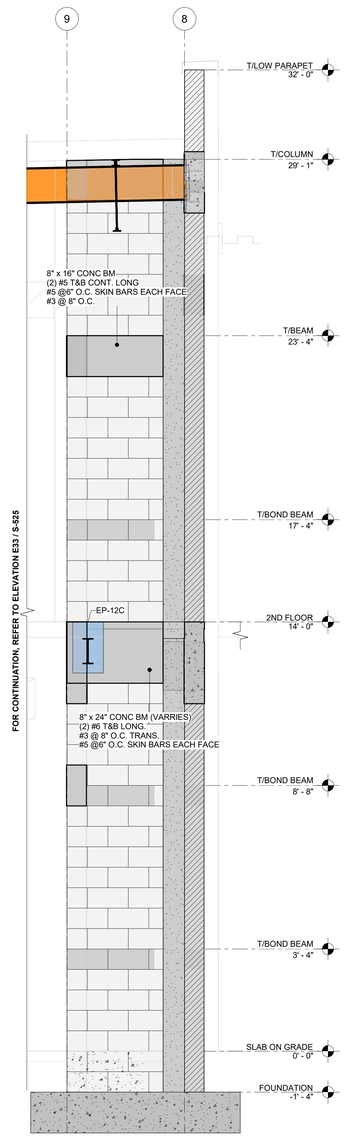
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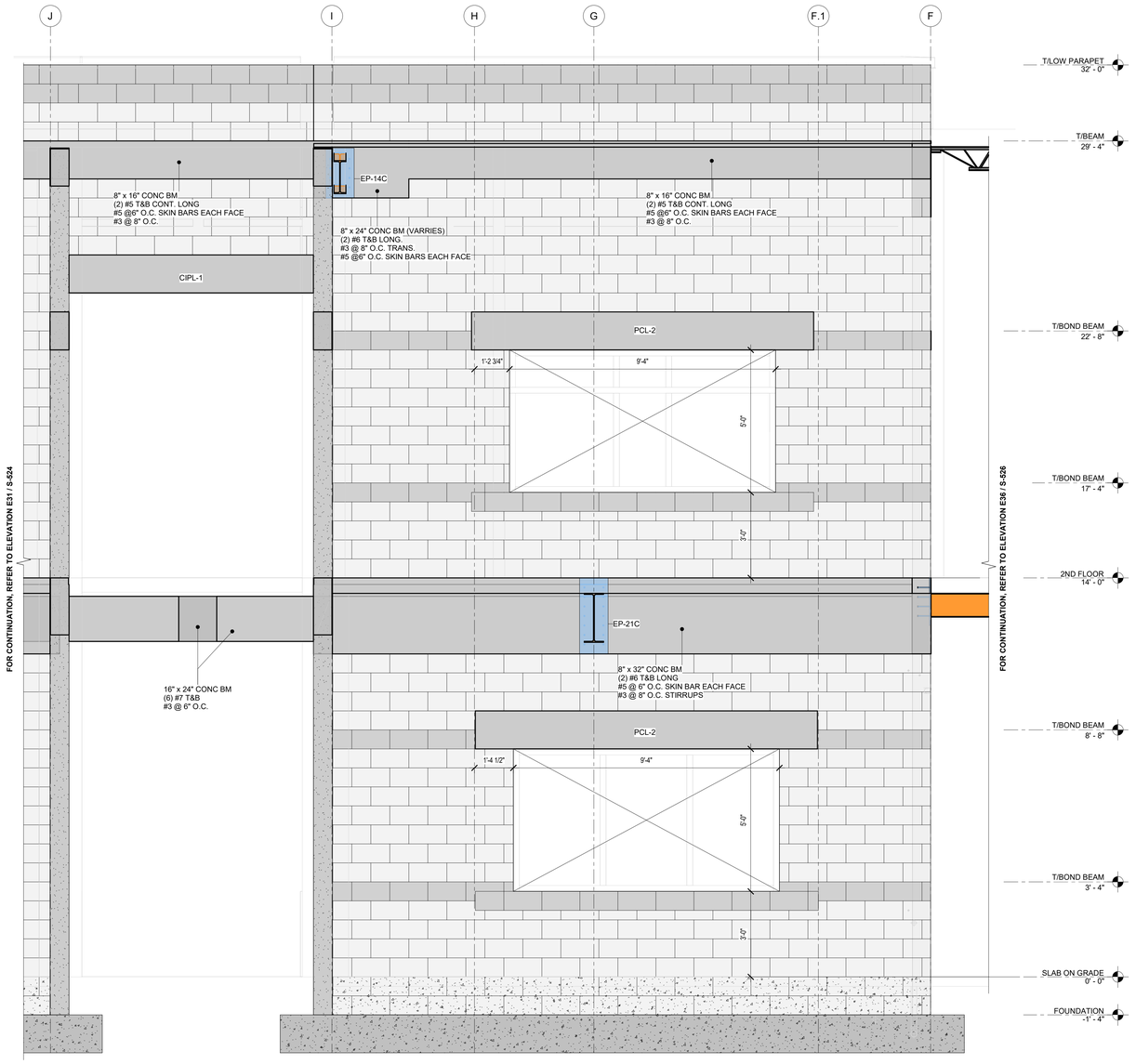
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7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E33 / S-525 WALL ELEVATION 33
SCALE: 1/2" = 1'-0"



E34 / S-525 WALL ELEVATION 34
SCALE: 1/2" = 1'-0"



E35 / S-525 WALL ELEVATION 35
SCALE: 1/2" = 1'-0"

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CA: 8426 PROJ NO. 1413-221-31

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28/05/2026 2:40:18 am

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561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: P/O#5162000045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM
DRAWN BY: AN/DN

ELEVATIONS

S-525

ELEVATIONS
S-526

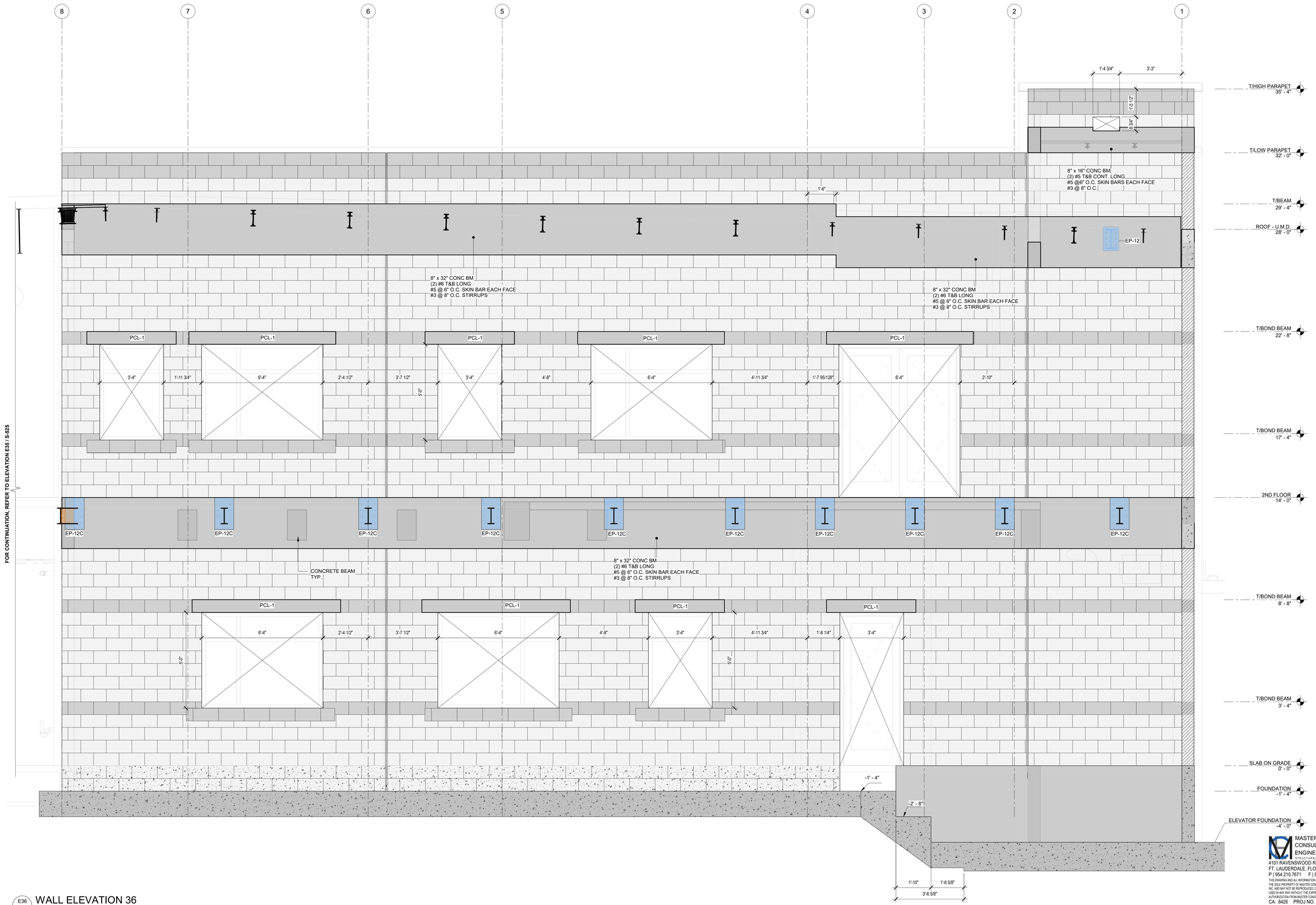
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1"

WALL ELEVATION NOTES:

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7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E36 / S-526 WALL ELEVATION 36
SCALE: 1/2" = 1'-0"

HB ESTIMATING REC'D 06.01.2026

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28/05/2026 2:40:20 am

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No 97374
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT
MARTIN COUNTY SCHOOL DISTRICT

DATE	PROJECT NUMBER
2026/05/25	25064.00

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ELEVATIONS

S-526

ELEVATIONS
S-527

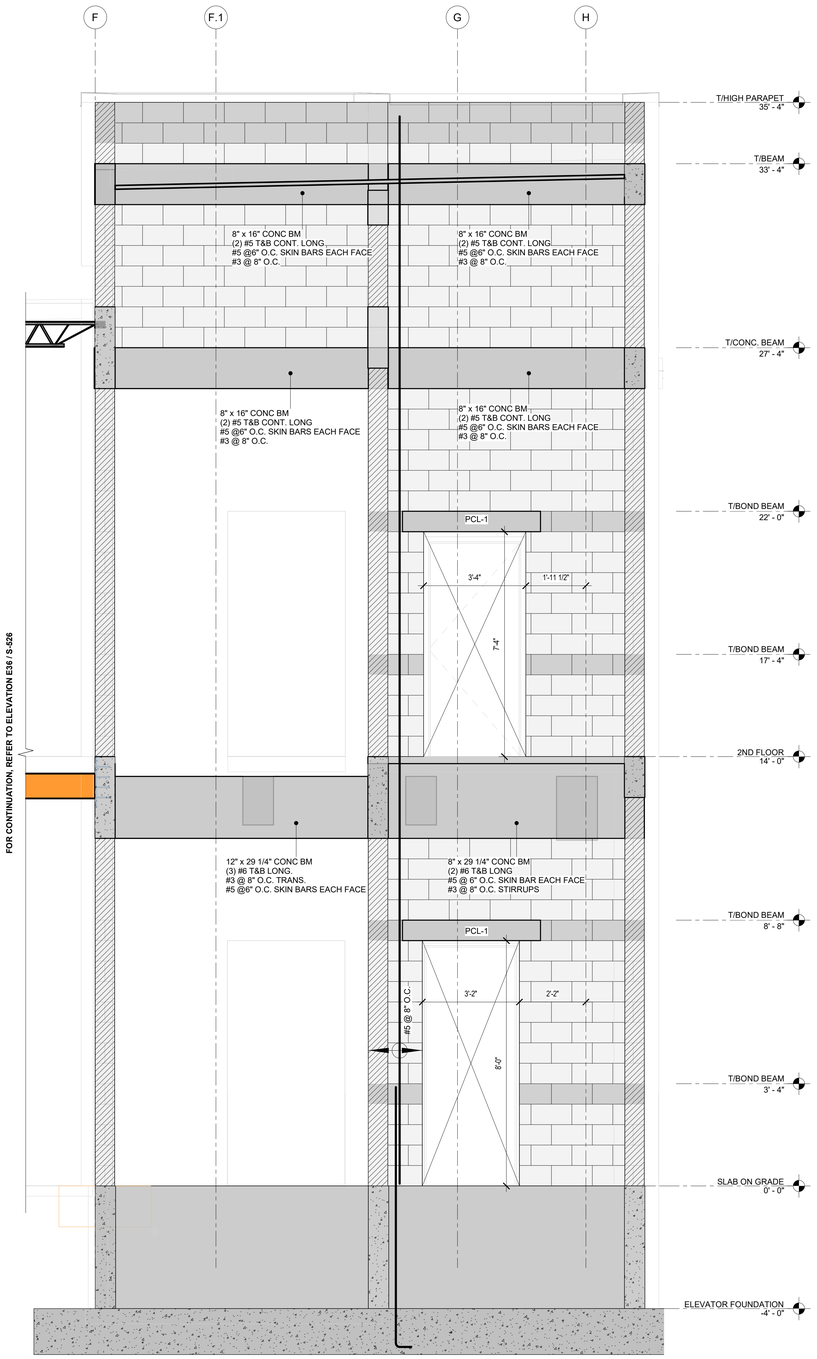
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WALL ELEVATION NOTES:

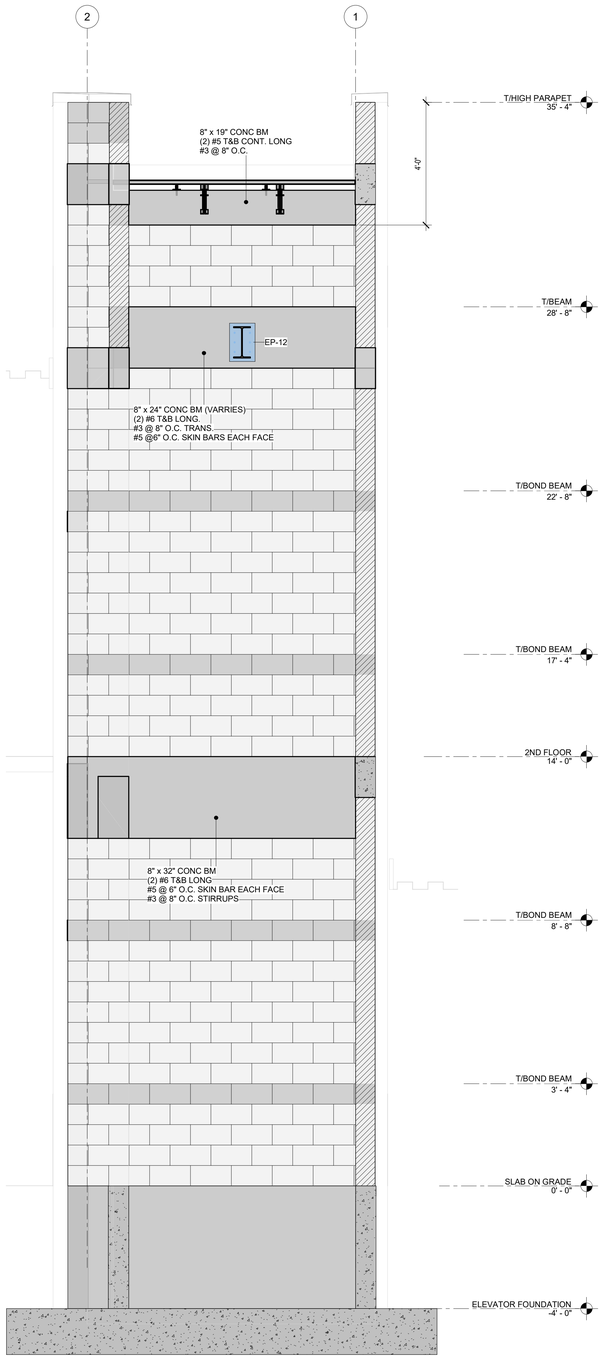
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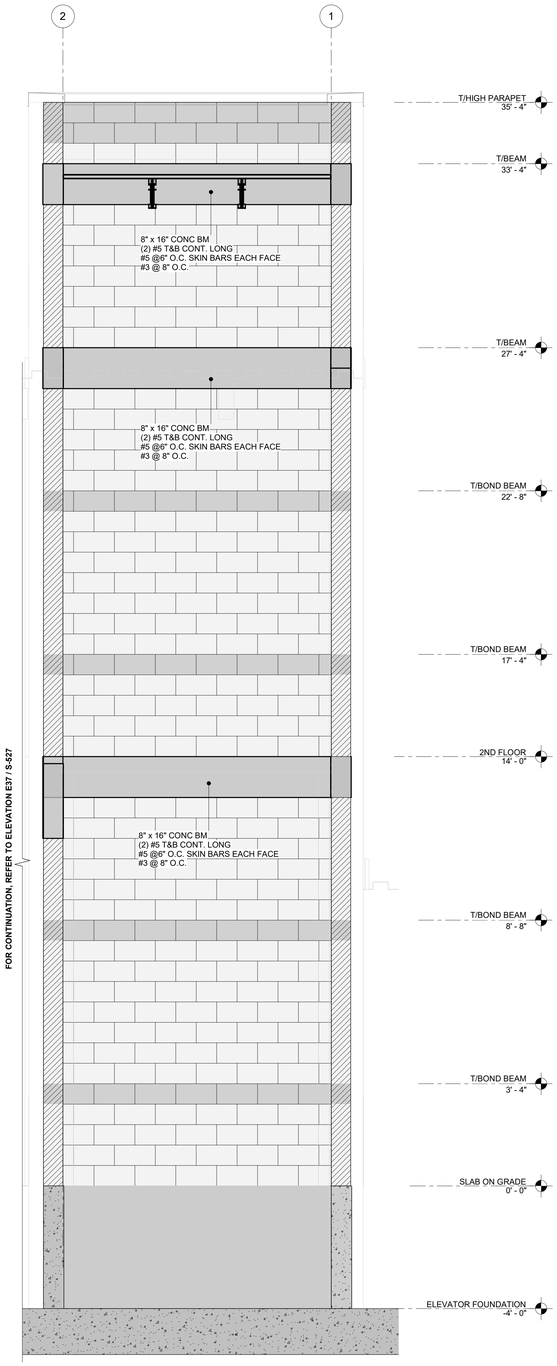
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E37 / S-527 WALL ELEVATION 37
SCALE: 1/2" = 1'-0"



E38 / S-527 WALL ELEVATION 38
SCALE: 1/2" = 1'-0"



E39 / S-527 WALL ELEVATION 39
SCALE: 1/2" = 1'-0"

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
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Plot Stamp:
28/05/2026 2:40:20 am

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WEST PALM BEACH, FL
561-478-4457

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4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

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NIKOLAOS MOSCHOVAKIS, P.E.
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CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

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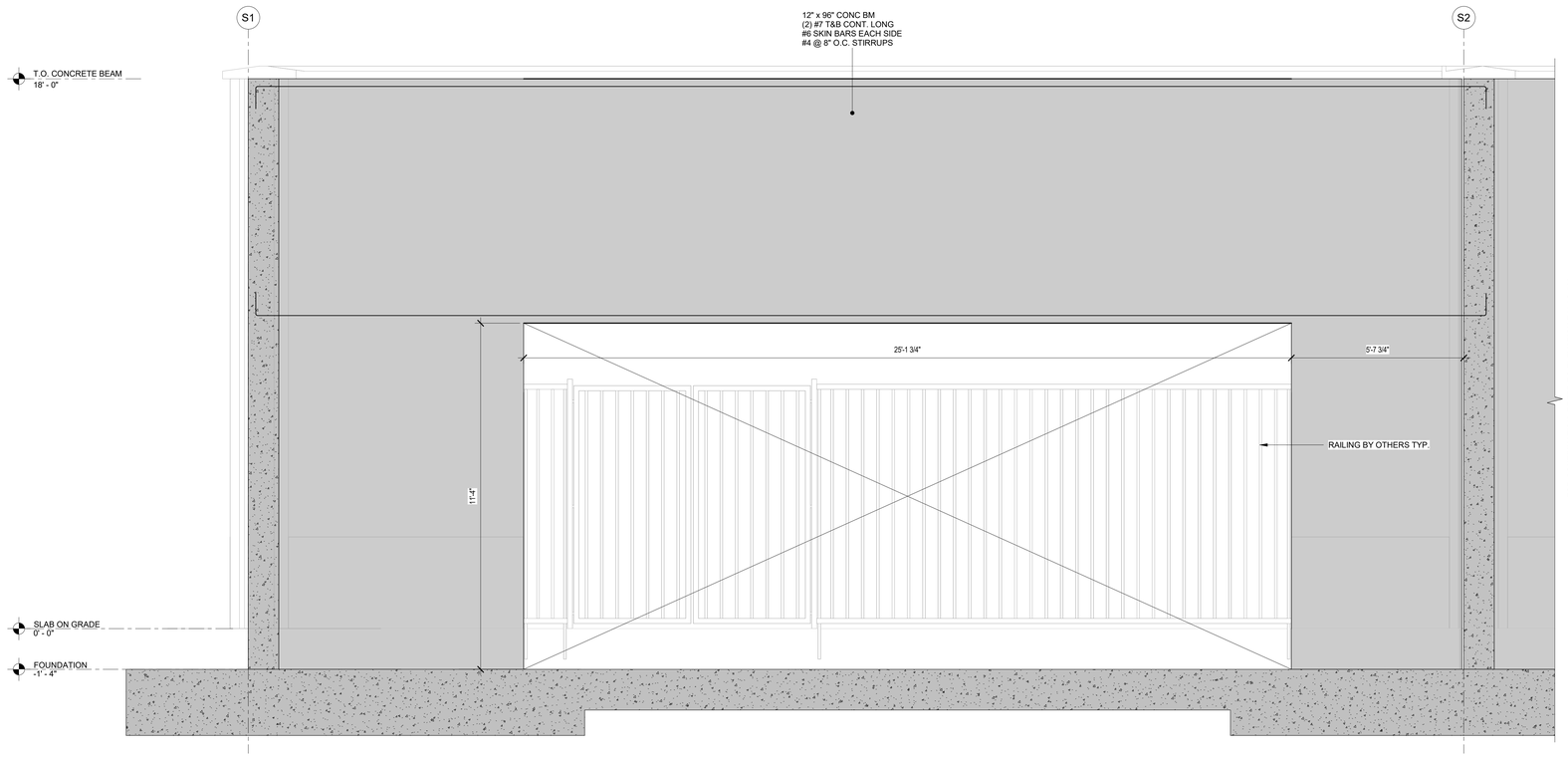
CHECKED BY: NM
DRAWN BY: AN/DN

ELEVATIONS

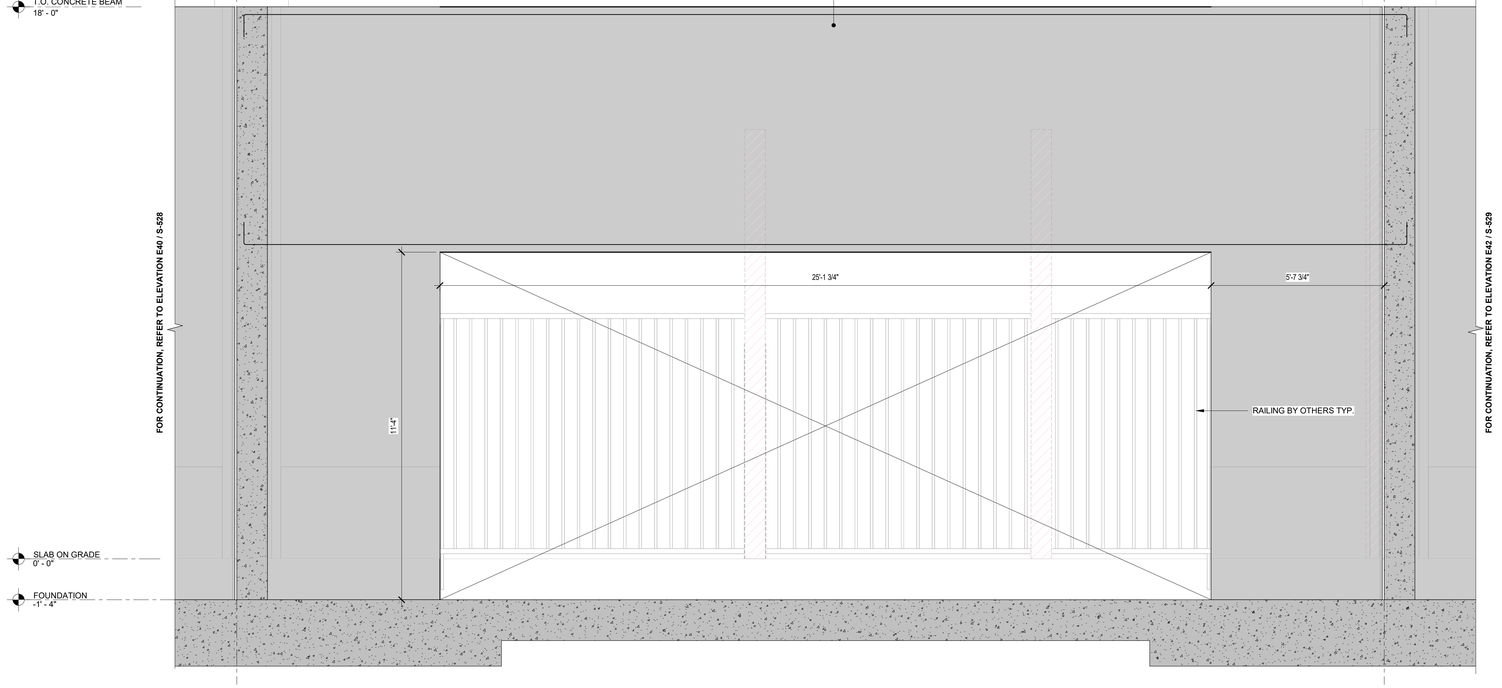
S-527

ELEVATIONS
S-528

0"
1"



E40 / S-528 WALL ELEVATION 40
SCALE: 1/2" = 1'-0"



E41 / S-528 WALL ELEVATION 41
SCALE: 1/2" = 1'-0"

WALL ELEVATION NOTES:

1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS.
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4. TYPICAL WALL REINFORCING AT OPENINGS, CORNERS, AND INTERSECTIONS:



5. FOR GENERAL CMU WALL REINFORCING LAYOUT SEE DETAIL 4-009 / S-303
6. FOR LINTEL REINFORCEMENT AND SIZE SEE DETAIL 4-033 / S-304
7. FOR EMBEDS SEE SHEET S-602
8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.

PBK
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WEST PALM BEACH, FL
561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PQ#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSE No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
P | 954.210.7671 F | 813.287.3622

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CA: 8426 PROJ NO. 1413-221-31

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ELEVATIONS

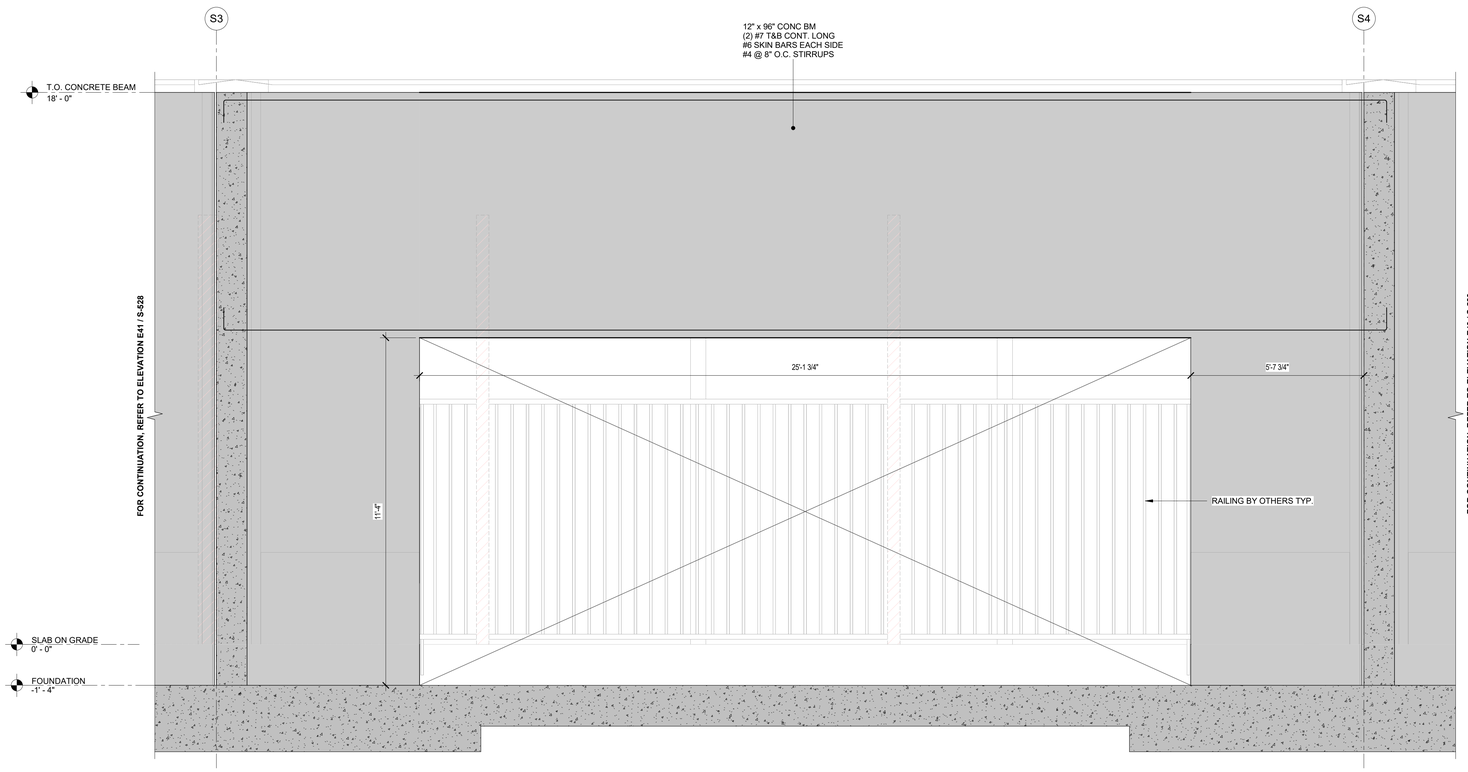
S-528

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28/05/2026 2:40:21 am

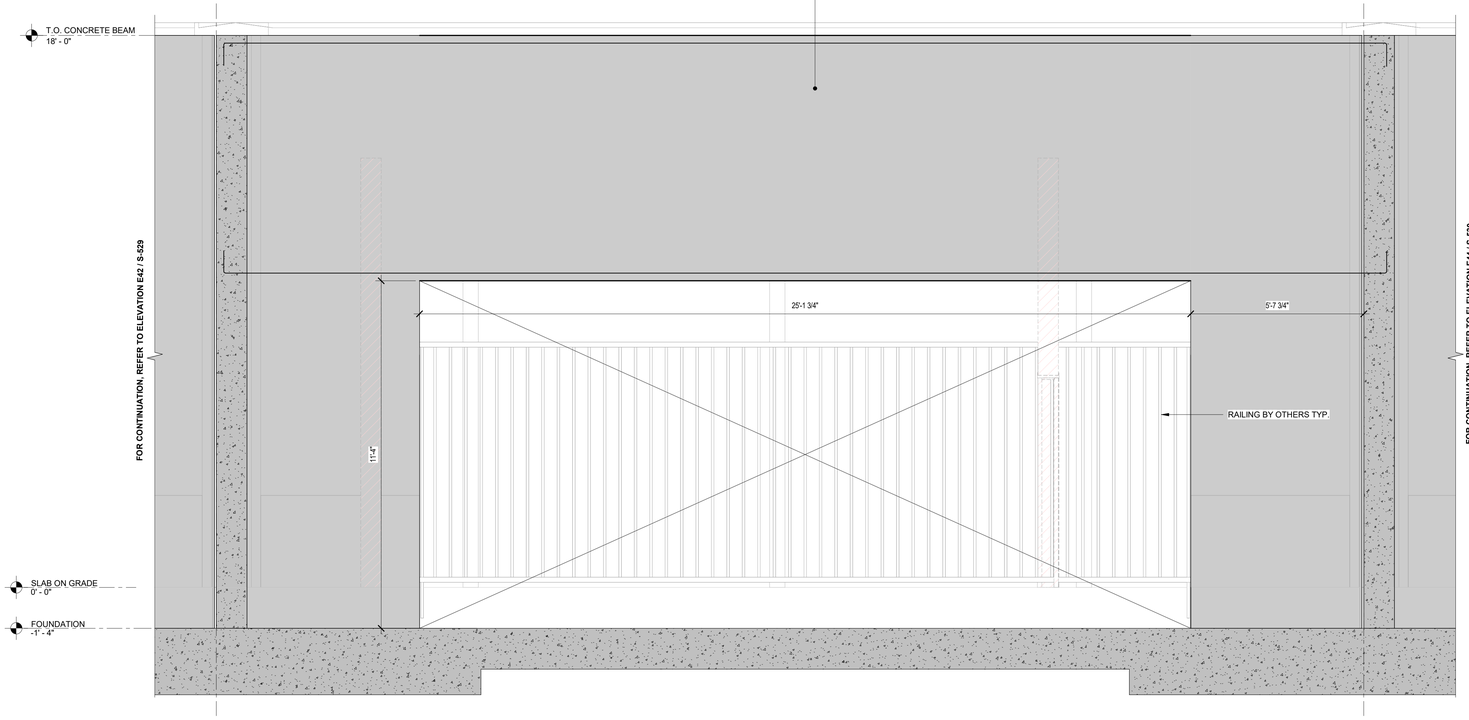
HB ESTIMATING REC'D 06.01.2026

ELEVATIONS
S-529

0"
1"



E42 / S-529 WALL ELEVATION 42
SCALE: 1/2" = 1'-0"



E43 / S-529 WALL ELEVATION 43
SCALE: 1/2" = 1'-0"

WALL ELEVATION NOTES:

1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS.
2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
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ELEVATIONS

S-529

Plot Stamp:
28/05/2026 2:40:22 am

HB ESTIMATING REC'D 06.01.2026

ELEVATIONS
S-530

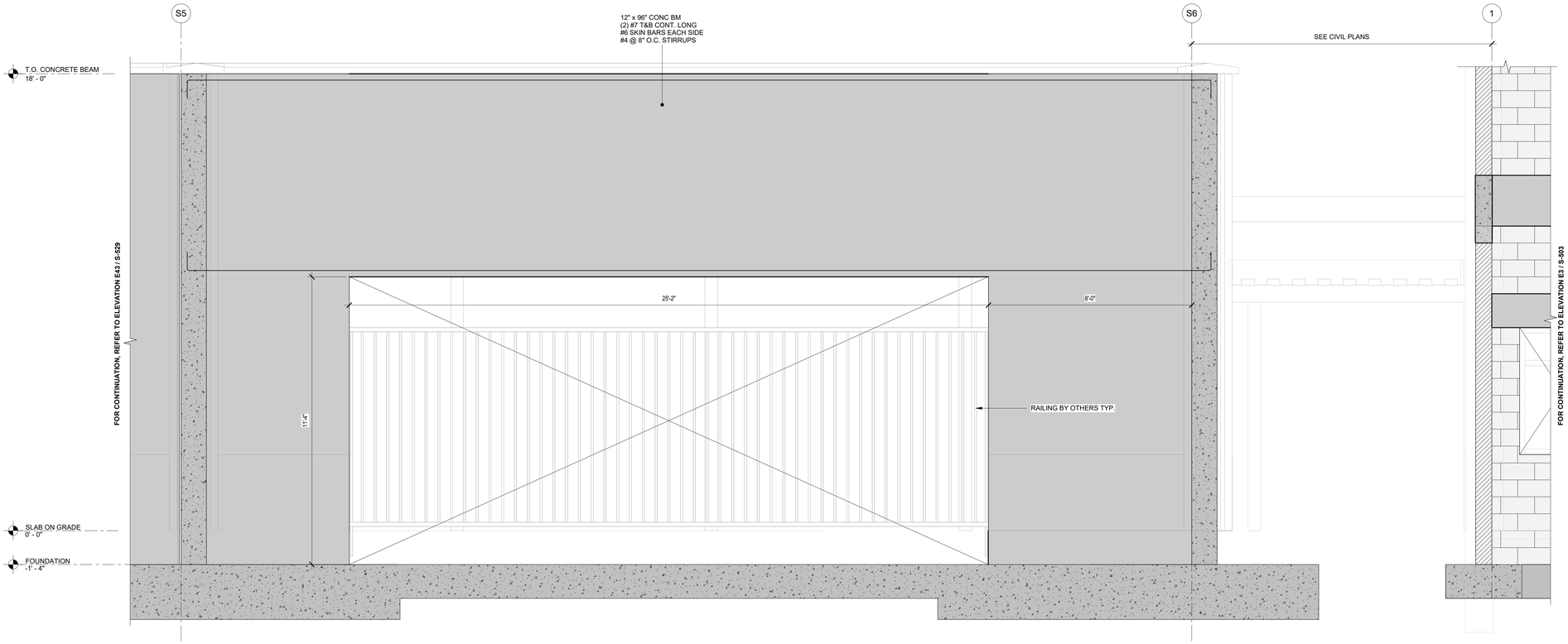
0"
1"

WALL ELEVATION NOTES:

1. WALL REINFORCING TO BE SPLICED ABOVE SLAB ON GRADE AND ELEVATED SLABS PER TYPICAL DETAILS.
2. REINFORCING SHOWN ON WALL ELEVATIONS APPLY TO THE SPECIFIED AREAS ONLY.
3. BALANCE OF REINFORCING PER THE SCHEDULE SHOWN ON FOUNDATION OR SLAB ON GRADE PLANS INCLUDING TYPICAL REINFORCING AT WALL OPENINGS, CORNERS, AND INTERSECTION.
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8. DOUBLE BOND BEAM ON TOP OF PARAPET TYP.



E44 / S-530 WALL ELEVATION 44
SCALE: 1/2" = 1'-0"

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ELEVATIONS

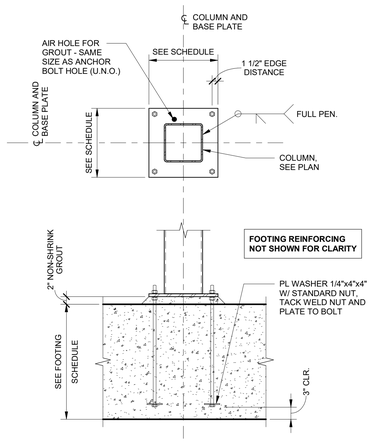
S-530

T/LOW PARAPET																															T/LOW PARAPET
32' - 0" ROOF - U.M.D.																															32' - 0" ROOF - U.M.D.
28' - 0" 2ND FLOOR	HSS7X7X3/8		HSS6X6X5/8	HSS6X6X1/2		HSS7X7X1/4 TRANSFER COLUMN						HSS6X6X3/8		HSS6X6X3/8	HSS6X6X3/8	HSS6X6X1/2					HSS6X6X1/4				HSS3X3X3/8 TRANSFER COLUMN						28' - 0" 2ND FLOOR
14' - 0" FOUNDATION	HSS7X7X3/8	HSS6X6X3/8	HSS6X6X5/8	HSS6X6X1/2	HSS6X6X1/2		HSS6X6X3/8	HSS6X6X3/8	HSS6X6X3/8	HSS6X6X3/8	HSS6X6X1/2	HSS5X5X3/8	HSS6X6X3/8	HSS5X5X3/8	HSS6X6X3/8	HSS6X6X1/2	HSS6X6X1/2	HSS5-1/2X5-1/2X3/8	HSS5-1/2X5-1/2X5/16	HSS5-1/2X5-1/2X5/16	HSS7X7X1/2	HSS3X3X3/8	HSS5X5X5/16	HSS5X5X5/16	HSS6X6X3/8		HSS6X6X3/8	HSS6X6X3/8	HSS6X6X3/8	HSS7X7X1/2	HSS6X6X3/8	HSS6X6X3/8	HSS6X6X3/8	14' - 0" FOUNDATION
-1' - 4"	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S14	S15	S16	S17	S18	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	-1' - 4"
Column Locations	B-4(0' - 8 1/4")	B-6	B-7	B-10	B-11	B-11(1' - 8")	C-4(0' - 8 1/4")	C-6	C-7	C-10	C-11	D(-1' - 1")-4(3' - 9 1/4")	E-2(0' - 6")	E-6	E-8	E-10	E-11(-0' - 4")	G-11(-1' - 11 3/4")	G-12(0' - 3")	G-15(-4' - 5 1/4")	G-18(0' - 3 7/8")	I(-4' - 8 1/2")-4(1' - 9 3/4")	I(0' - 3 1/4")-10(-3' - 1 3/4")	I(0' - 3 1/4")-11(-4' - 1 3/4")	I(0' - 3 1/4")-12	I(0' - 3 3/8")-12(-0' - 6 1/4")	K-11(-4' - 1 3/4")	K-12	K-14	K-18(0' - 3 7/8")	N(0' - 6")-6(-2' - 5 1/2")	N(0' - 6")-7(2' - 3 1/4")	N(0' - 6")-10(2' - 3 1/2")	
BASE PLATE	BP3	BP1	BP3	BP3	BP4		BP1	BP1	BP1	BP1	BP3	BP2	BP1	BP2	BP1	BP1	BP3	BP5	BP5	BP5	BP3	BP4	BP2	BP2	BP1		BP1	BP1	BP1	BP3	BP1	BP1	BP1	

T/LOW PARAPET			T/LOW PARAPET
32' - 0" ROOF - U.M.D.			32' - 0" ROOF - U.M.D.
28' - 0" 2ND FLOOR			28' - 0" 2ND FLOOR
14' - 0" FOUNDATION	HSS8X8X3/8	HSS6X6X3/8	14' - 0" FOUNDATION
-1' - 4"	S36	S37	-1' - 4"
Column Locations	N(0' - 6")-12(1' - 5 1/4")	N(0' - 6")-15(-4' - 0 3/4")	
BASE PLATE	BP1	BP1	

STEEL GRAPHICAL COLUMN SCHEDULE

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



BP-1 / S-601 BASE PLATE - HSS

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

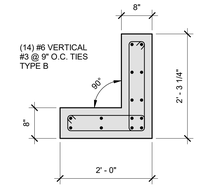
BASE PLATE SCHEDULE

BASE PLATE	SIZE	ANCHOR BOLTS	REMARKS
BP1	3/4"x12"x12"	(4) - 3/4"ø	ASTM F1554
BP2	3/4"x11"x11"	(4) - 3/4"ø	ASTM F1554
BP3	1"x13"x13"	(4) - 3/4"ø	ASTM F1554
BP4	1"x14"x14"	(4) - 3/4"ø	ASTM F1554
BP5	3/4"x11 1/2"x11 1/2"	(4) - 3/4"ø	ASTM F1554

T/LOW PARAPET																															T/LOW PARAPET
32' - 0" ROOF - U.M.D.																															32' - 0" ROOF - U.M.D.
28' - 0" 2ND FLOOR		8 x 42 1/2 (14) #6 (7L-2S) #3 @ 12" O.C. TIES TYPE B	8 x 17 1/2" (8) #6 (3L-2S) #3 @ 12" O.C. TIES TYPE B						8 x 24 x 24 REFER TO COLUMN DETAIL				8 x 16 (8) #5 (4L-2S) #3 @ 12" O.C. TIES TYPE B	8 x 16 (8) #5 (4L-2S) #3 @ 12" O.C. TIES TYPE B														28' - 0" 2ND FLOOR
14' - 0" FOUNDATION	8 x 20 (8) #5 (3L-2S) #3 @ 12" O.C. TIES TYPE B	8 x 42 1/2 (14) #6 (7L-2S) #3 @ 12" O.C. TIES TYPE B	8 x 27 1/4 x 24" REFER TO COLUMN DETAIL	12 x 16 (8) #7 (3ES) #4 @ 9" O.C. TIES TYPE B	8 x 40 (14) #5 (7L-2S) #3 @ 12" O.C. TIES TYPE B	8 x 14 3/4 (4) #5 #3 @ 12" O.C. TIES TYPE B	8 x 14 1/2 (4) #5 #3 @ 12" O.C. TIES TYPE B	8 x 24 x 24 REFER TO COLUMN DETAIL	10 x 48 (20) #6 (10L-2S) #3 @ 12" O.C. TIES TYPE B	16 x 16 (6) #7 (5ES) #4 @ 6" O.C. TIES TYPE B	8 x 16 (8) #5 (4L-2S) #3 @ 12" O.C. TIES TYPE B	8 x 16 (8) #5 (4L-2S) #3 @ 12" O.C. TIES TYPE B	8 x 24 (14) #6 (7L-2S) #3 @ 12" O.C. TIES TYPE B	8 x 32 (8) #8 (3ES) #4 @ 6" O.C. TIES TYPE B	12 x 12 (8) #6 (3ES) #4 @ 9" O.C. TIES TYPE B	12 x 12 (8) #6 (3ES) #4 @ 9" O.C. TIES TYPE B	8 x 17 1/4 x 40 REFER TO COLUMN DETAIL	14' - 0" FOUNDATION
-1' - 4"	C1	C2	C3	C4	C5	C7	C6	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	-1' - 4"
Column Locations	A-2(-3' - 5 7/8")	A-3	A-5.1	A-8(-2' - 11")	A-9.1	A.0(252' - 6 5/8")-10(15' - 0 5/8")	A.0(257' - 7 3/4")-10(28' - 10 3/4")	D-14	D-18	I(-4' - 8 1/2")-5(-0' - 9 1/4")	I-8	J-8	L-18	M-8	M-10(-0' - 10")	M-11(-2' - 4 3/4")	M-12	

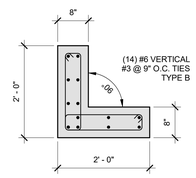
CONCRETE GRAPHICAL COLUMN SCHEDULE

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



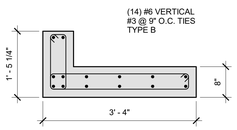
COLUMN C3 - DETAIL

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



COLUMN C8 - DETAIL

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



COLUMN C17 - DETAIL

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

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SCHEDULES

S-601

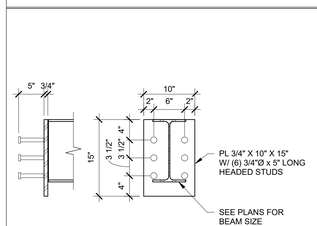
HB ESTIMATING REC'D 06.01.2026

Plot Stamp:
28/05/2026 2:40:23 am

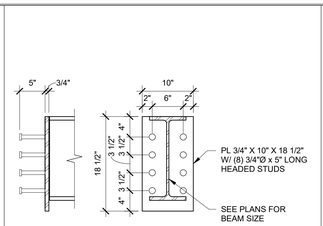
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1"

EMBED PLATE DETAILS
S-602

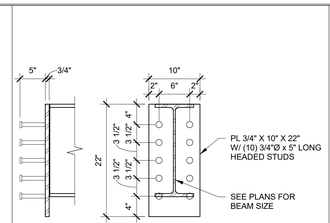
EMBED PLATE DETAILS



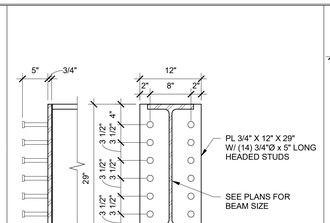
EMBED PLATE EP-12: W12 BEAM, C6, C8 CHANNEL



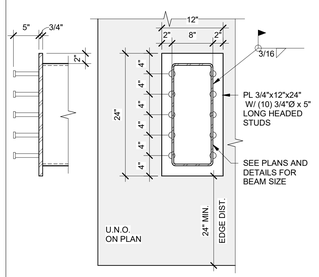
EMBED PLATE EP-16: W16 BEAM



EMBED PLATE EP-18: W18 BEAM

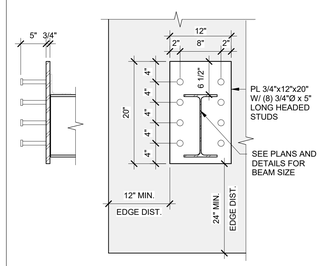


EMBED PLATE EP-24: W24 BEAM

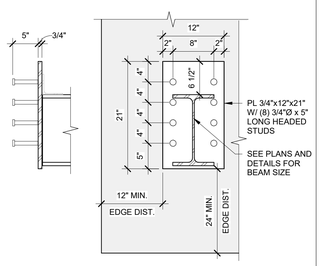


EMBED PLATE EP-H20: HSS20
(MAX REACTION = 8.1 KIPS DEAD, 8.0 KIPS LIVE, 4.75 KIPS LATERAL)

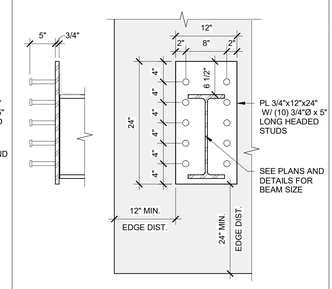
W-BEAM EMBED PLATES (CLOSURE ANGLE ABOVE BEAM)



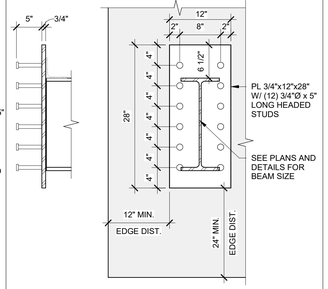
EMBED PLATE EP-12C: W12 BEAM
(MAX REACTION = 6.5 KIPS DEAD, 6.4 KIPS LIVE, 5.9 KIPS LATERAL)



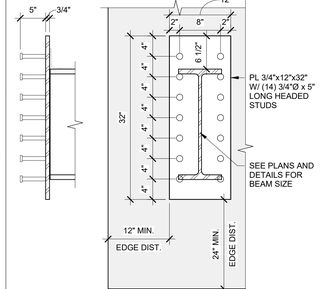
EMBED PLATE EP-14C: W14 BEAM
(MAX REACTION = 6.5 KIPS DEAD, 6.4 KIPS LIVE, 5.9 KIPS LATERAL)



EMBED PLATE EP-16C: W16 BEAM
(MAX REACTION = 8.1 KIPS DEAD, 8.0 KIPS LIVE, 4.75 KIPS LATERAL)



EMBED PLATE EP-18C: W18 BEAM
(MAX REACTION = 14.0 KIPS DEAD, 7.0 KIPS LIVE, 5.9 KIPS LATERAL)



EMBED PLATE EP-21C: W21 BEAM
(MAX REACTION = 15.3 KIPS DEAD, 7.6 KIPS LIVE, 4.0 KIPS LATERAL)

MASTER CONSULTING ENGINEERS, INC.
STRUCTURAL CONSULTANTS
4101 RAVENSWOOD RD., STE.320
FT. LAUDERDALE, FLORIDA 33312
P | 954.210.7671 F | 813.287.3622

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CA. 8426 PROJ NO. 1413-221-31

TO THE BEST OF OUR KNOWLEDGE INFORMATION AND BELIEF, THESE STRUCTURAL PLANS CONFORM TO AND SATISFY, THE FLORIDA BUILDING CODE, EIGHTH EDITION 2023, ACI 318-19 AND LOCAL CODES AS APPLICABLE

HB ESTIMATING REC'D 06.01.2026

PBK

www.pbk.com
FL FIRM: AR 0013140
WEST PALM BEACH, FL
561-478-4457

MURRAY MIDDLE SCHOOL MODERNIZATION

4400 SE MURRAY STREET
STUART, FLORIDA 34997

CLIENT PROJECT NUMBER: PO#5182600045

100% CONSTRUCTION DOCUMNETS

MARTIN COUNTY SCHOOL DISTRICT

NIKOLAOS MOSCHOVAKIS LICENSED No 97374 STATE OF FLORIDA PROFESSIONAL ENGINEER

NIKOLAOS MOSCHOVAKIS, P.E.
FL. LIC. No. 97374

CLIENT	
MARTIN COUNTY SCHOOL DISTRICT	
DATE	PROJECT NUMBER
2026/05/25	25064.00

DRAWING HISTORY

No.	Description	Date

CHECKED BY: NM

DRAWN BY: AN/DN

EMBED PLATE DETAILS

S-602

Plot Stamp:
28/05/2026 2:40:24 am