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GENERAL NOTES:

DESIGN CRITERIA

DESIGN BASED THE PROVISIONS OF THE FLORIDA BUILDING CODE 2023 EDITION.

- A. DESIGN LOADS: ROOF: LL+30 PSF SDL=25 PSF FIRST FLOOR LL+40 PSF SDL=30 PSF
- B. WIND LOADS: ASCE7-22 BASIC WIND SPEED V=110 MPH (3 SEC. ULTIMATE) IMPORTANT FACTOR I=1.0 EXPOSURE CATEGORY=C INTERNAL PRESSURE COEF+GCPI= ±0.18 KD (DIRECTIONALITY)=1.0

GENERAL:

- ALL MATERIALS SHALL BE NEW OF GOOD QUALITY AND THE CONSTRUCTION SHALL BE PERFORMED BY WORKERS SKILLED IN THEIR TRADE AND IN ACCORDANCE WITH RECOMMENDED PRACTICE.
- NO DIMENSIONS SHALL BE SCALED FROM DRAWINGS.
- GENERAL CONTRACTOR SHALL CHECK, REVIEW AND VERIFY ALL PLANS, DIMENSIONS AND SITE CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES OR OMISSIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS OR ANY VARIATIONS NEEDED IN ORDER TO CONFORM TO CODES, RULES AND REGULATIONS SHALL BE NOTIFIED IN WRITING TO THE ENGINEER. ANY SUCH DISCREPANCIES, OMISSIONS, OR VARIATIONS NOT REPORTED DURING THE BIDDING PERIOD SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR WHO SHALL PERFORM THE CORRECTED WORK AS PER THE ENGINEER'S INSTRUCTIONS.
- THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS ISSUED BY THE ARCHITECT.
- STRUCTURAL DRAWINGS SHALL BE WORKED TOGETHER WITH ARCHITECTURAL, AIR CONDITIONING, MECHANICAL AND ELECTRICAL DRAWINGS TO LOCATE DERESSED SLABS, SLOPES, DRAINS, OUTLETS, OPENINGS, REGLETS, BOLT SETTINGS, SLEEVES, ETC. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT-ENGINEER BEFORE PROCEEDING WITH THE WORK.
- GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL BEFORE FABRICATION OR ERECTION OF ANY STRUCTURAL SYSTEM.
- GENERAL CONTRACTOR SHALL RESTRICT AND PROPERLY ISOLATE ALL CONSTRUCTION EQUIPMENT AND LOADS FROM INDUCING OR TRANSMITTING VIBRATIONS TO THE STRUCTURE DURING CONSTRUCTION.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL ACCUMULATED WATER FROM EXCAVATION AND DEWATERING OPERATIONS IN SUCH A WAY AS TO NOT CAUSE INCONVENIENCE TO THE WORK AND DAMAGE TO THE STRUCTURAL ELEMENTS.
- WHEN PERFORMING WORK BELOW GRADE, CARE SHALL BE TAKEN TO AVOID DAMAGING ANY EXISTING UTILITIES. ALL UNKNOWN UTILITIES DISCOVERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT-ENGINEER. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPORTED TO ALL AFFECTED PARTIES, INCLUDING THE ARCHITECT-ENGINEER.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING HIS CONSTRUCTION DOCUMENTS WITH ANY REVISED DRAWINGS AND SPECS, FIELD ORDERS, CHANGE ORDERS AND CLARIFICATION SKETCHES ISSUED DURING THE COURSE OF CONSTRUCTION.
- "BY OTHERS" DENOTES LABOR AND MATERIALS BY OTHERS. HOWEVER THE GENERAL CONTRACTOR SHALL PROVIDE COORDINATION AND FREE ACCESS FOR THE WORK.
- "NIC" DENOTES NOT IN CONTRACT. THE OWNER SHALL BE RESPONSIBLE FOR COORDINATING A TIME SCHEDULE OF THE BASE CONTRACT WITH THE "NIC" TRADES.
- TYPICAL DETAILS AND NOTES ON THESE DRAWINGS SHALL APPLY UNLESS SPECIFICALLY NOTED OTHERWISE. CONSTRUCTION DETAILS AND SECTIONS NOT COMPLETELY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS AND SECTIONS SHOWN OR NOTED FOR SIMILAR CONDITIONS.
- THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION, IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT.
- TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED TO HOLD ALL COMPONENTS OF THE STRUCTURE IN PLACE UNTIL FINAL SUPPORT IS SECURELY ANCHORED.
- THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES OF EVERY KIND, INCLUDING WATER AND POWER NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHOWN OR INDICATED ON THESE DRAWINGS. ALL MATERIAL SHALL BE NEW MATERIALS AND WORKMANSHIP SHALL BE OF GOOD QUALITY. ALL WORKMEN AND SUBCONTRACTORS SHALL BE SKILLED IN THEIR TRADE.
- THE CONTRACTOR SHALL ADEQUATELY PROTECT HIS WORK, ADJACENT PROPERTY AND THE PUBLIC, AND BE RESPONSIBLE FOR DAMAGE OR INJURY DUE TO HIS ACT OR NEGLIGENCE.
- THE PREMISES SHALL BE KEPT FROM ACCUMULATION OF WATER, MATERIALS, AND DEBRIS, AND AT THE END OF THE JOB THE CONTRACTOR SHALL REMOVE ALL RUBBISH, SURPLUS MATERIALS, AND TOOLS AND LEAVE THE BUILDING BROOM CLEAN.
- JOB SITE VISITS BY THE ENGINEER DO NOT CONSTITUTE AN OFFICIAL INSPECTION UNLESS SPECIFICALLY CONTRACTED FOR "THRESHOLD" INSPECTIONS AS REQUIRED BY THE LOCAL BUILDING DEPARTMENT SHALL BE UNDER A SEPARATE CONTRACT.
- SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH ONE SET OF COPY OR SIX BLUELINE COPIES OF SHOP DRAWINGS A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT. THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS ONLY FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THIS REVIEW DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE CORRECT NOR DOES IT IMPLY THAT THEY SUPERSEDE THE STRUCTURAL DRAWINGS.

REINFORCING STEEL:

- ALL REINFORCING STEEL SHALL BE DEFORMED BARS, FREE FROM LOOSE RUST AND SCALE CONFORMING TO ASTM A615/A615M-01, FY=60 KSI, UOL.
- ALL REINFORCING SHALL BE DETAILED AND FABRICATED FOLLOWING THE REQUIREMENTS OF ACI 308-02. PLACING OF REBARS SHALL CONFORM TO ORSI "RECOMMENDED PRACTICES FOR PLACING REINFORCING BARS".
- MINIMUM CONCRETE COVER ON REINFORCING STEEL FOR NON-PRESTRESSED CONCRETE SHALL BE AS FOLLOWS, UOL:

	MINIMUM COVER	TOLERANCE + OR
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"	3/8"
EXPOSED TO EARTH OR WEATHER NO. 5 AND SMALLER BARS	1 1/2"	3/8"
NO. 6 AND LARGER BARS	2"	3/8"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:		
ROOF SLAB	1"	1/8"
STRUCTURAL SLAB AND WALLS	1"	1/8"

- BEARING AND COLUMNS (PRIMARY REINFORCEMENT, TIES, STIRRUPS AND SPIRALS) 1 1/2" | 3/8" || SLABS ON GRADE | 1 1/2" | 1/4" |

- NO DEVIATION FROM THE STRUCTURAL PLANS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STRUCTURAL ENGINEER. ALL REINFORCING DETAILS TO BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL.
- ALL REINFORCING BARS SHALL BE SECURELY HELD IN PLACE DURING CONCRETE POURING. IF REQUIRED, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR THE BARS.
- BARS SUPPORTS SHALL BE PLASTIC TYPED FOR EXPOSED CONCRETE. LEGS OR FOOTING CHAIRS SHALL BE GALVANIZED. PLASTIC "DONUT" SPACER SPACER WILL BE REQUIRED FOR STEEL AGAINST FORMS IN CONCRETE BEAMS AND WALLS IF FIELD CONDITIONS WARRANT.

- WELDED WIRE FABRIC SHALL CONFORM WITH ASTM A 105-79 AND IT SHALL BE SUPPORTED ON SLAB BOLSTERS.
- ALL REINFORCING BARS MARKED CONTINUOUS SHALL BE LAPPED 30 DIA. AT SPLICES AND CORNERS UNLESS OTHERWISE NOTED. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AS REQUIRED. TERMINATE CONTINUOUS BARS AT NON-CONTINUOUS ENDS WITH STANDARD HOOKS, UOL.
- ALL WALLS AND COLUMNS SHALL BE DOUBLED INTO FOOTINGS, WALLS, BEAMS, OR SLABS WITH BARS OF THE SAME SIZE AND SPACING AS THE BARS ABOVE. USE A (30) BAR DIAMETER LAP EXCEPT WHERE SPECIFICALLY INDICATED.
- VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. SPLICE BARS IN SPANDRELS, WALLS, BEAMS, GRADE BEAMS ETC. (UNLESS OTHERWISE NOTED) AS FOLLOWS: TOP BARS AT CENTER LINE OF SPAN; BOTTOM BARS AT THE SUPPORT.

- REINFORCING ALLOWANCE: THE CONTRACTOR SHALL PROVIDE 15 TONS OF STEEL REINFORCEMENT FOR THE ENGINEER TO USE AT HIS DISCRETION DURING CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REIMBURSE THE OWNER FOR THE UNUSED PORTION.
- LINTELS:
 - LINTELS MAY BE USED IN MASONRY OPENINGS UP TO 6'-4" CLEAR. THESE MAY BE PRE-CAST OR CAST IN PLACE AND SHALL BE 8" x 16" MINIMUM WITH 2 #5 TOP AND BOTTOM AND SHALL BEAR AT EACH SIDE OF OPENINGS.

STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL ROLLED SHAPES, BARS AND PLATES SHALL COMPLY WITH ASTM A36/A36M-00a (AUG 2000), FY = 36 KSI, UOL.
- STRUCTURAL TUBING (TB) SHALL COMPLY WITH ASTM A500, GRADE B, FY = 46 KSI.
- STEEL PIPE SHALL COMPLY WITH ASTM A53, TYPE S, GRADE B, FY = 35 KSI.
- ALL BOLTS SHALL BE 3/4" DIAMETER ON 1 1/2" ROUND HOLES, UNLESS OTHERWISE NOTED.
- ANCHOR BOLTS SHALL COMPLY WITH ASTM A307.
- WELDING ELECTRODES SHALL BE E - 70 SERIES, LOW HYDROGEN.

- ALL REINFORCED CONCRETE DESIGN SHALL BE IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI - 318 - 19).

- ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI - 301 - 19)

- CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:
 - FOUNDATIONS: 2000 PSI
 - SLAB: 5000 PSI
 - COLUMNS: 5000 PSI
 - BEAMS: 5000 PSI (UOL)

- WATER CEMENT RATIO: 0.4
- MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT ON ANY CONCRETE WORK. NO ADMIXTURE SHALL BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

- FORMWORK SHALL COMPLY WITH "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" (ACI 341-94).

- THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFE ADEQUATE SHORING, RE-SHORING, BRACING AND FORMWORK. GENERAL CONTRACTOR SHALL CONTRACT A STATE OF FLORIDA REGISTERED ENGINEER TO PREPARE SHORING AND RESHORING PLANS AND THEY SHOULD BE SUBMITTED TO THE ENFORCEMENT AGENCY FOR RECORDKEEPING.

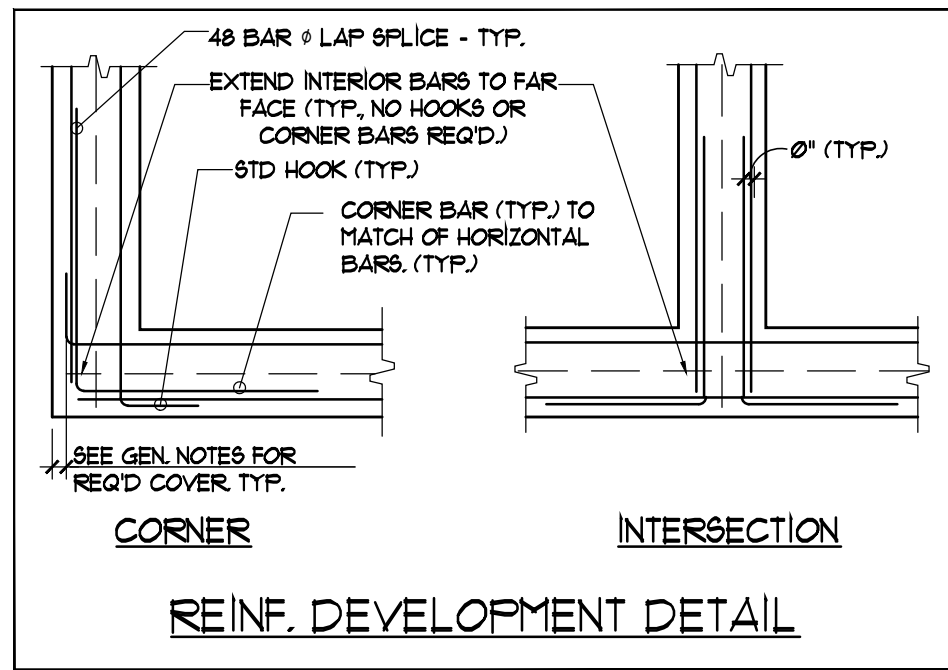
- THE OWNER SHALL CONTRACT AN INDEPENDENT TESTING LABORATORY APPROVED BY THE ENGINEER TO PERFORM CONCRETE CYLINDER TESTS AS FOLLOWS: FOUR CYLINDER TEST PER ANY DAY'S FOUR LESS THAN 50 CUBIC YARDS.

- TRANSPORTING, PLACING, CURING AND DEPOSITING OF CONCRETE SHALL COMPLY WITH ACI 301 - 16.

- NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOB SITE.

- VERTICAL CONSTRUCTION JOINTS USING APPROVED BULKHEADS MAY BE MADE AT CENTER OF BEAM OR SLAB SPANS WHERE STOP IN CONCRETE WORK IS NECESSARY. FOR ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SEE DETAILS. ANY OTHER CONSTRUCTION JOINT REQUESTED BY THE GENERAL CONTRACTOR SHALL BE SHOWN ON THE SHOP DRAWINGS FOR THE ENGINEER'S REVIEW.

- REMOVE ALL DEBRIS FROM FORMS BEFORE POURING.
- CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS, COLUMNS, AND DROP CAPITALS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. USE HOPPERS, CHUTES OR TRUNKS OF VARYING LENGTHS SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 5 FEET, AND A SUFFICIENT NUMBER SHALL BE USED TO ENSURE THE CONCRETE IS BEING KEPT LEVEL AT ALL TIMES.



MECHANICAL FASTENERS:

- ALL ANCHORS SHALL PROVIDE EQUAL OR GREATER STRUCTURAL LOAD CAPACITIES (ALLOWABLE OR ULTIMATE) THAN THOSE SPECIFIED BELOW. WHERE ALTERNATE SYSTEMS PREFERRED, THE CONTRACTOR SHALL ENSURE THE ALTERNATE SYSTEM CAN PROVIDE SUCH LOADS, AND SHALL CONTACT THE ENGINEER TO ADVISE SUCH CHANGES. THE CONTRACTOR MUST ALSO PROVIDE LOAD TABLES, OR OTHER LITERATURE WHICH SPECIFIES SUCH CAPACITIES, AT THE ENGINEER'S, ARCHITECT'S, OR OWNER'S REQUEST.

- EXPANSION ANCHORS: "POWER-BOLT," BY RAYL "WEDGE ALL" BY SIMPSON, OR

- ADHESIVE ANCHORS: "EPOXY TIE" SET, ET, ETC BY RAYL "FOUER-FAST" BY RAYL

- MASONRY SCREWS: "TITEN" BY SIMPSON, OR "TAPFER" BY RAYL

- POWDER ACTUATED FASTENERS (PAF): POWDER ACTUATED FASTENERS BY SIMPSON, OR "FINS" BY RAYL

- ALL FASTENERS SHALL BE INSTALLED AS SPECIFIED BY THE MANUFACTURER. WHERE EMBEDMENT DEPTH, SPACING, EDGE DISTANCE, OR END DISTANCE IS NOT SPECIFIED, THE MORE STRINGENT SPECIFIED BY EACH FASTENER'S MANUFACTURER SHALL BE USED. ALL FASTENERS SHALL COMPLY WITH THE REQUIREMENTS SET BY THE GOVERNING BUILDING CODE.

FOUNDATION AND CONCRETE SLAB ON FILL:

- SELECTED FILL MATERIALS SHALL BE CLEAN CRUSHED LIME STONE (3" MAXIMUM PARTICLE) OR CLEAN FINE SAND. THE FILL PLACEMENT SHOULD OCCUR IN THE DRY AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (D-155). FOLLOW SOIL LAB RECOMMENDATIONS FOR THE METHODS AND PROCEDURES. ALL FILL WORK SHALL BE SUPERVISED BY A SOIL LAB REPRESENTATIVE. ALL TOP SOIL SHALL BE REMOVED BEFORE STARTING FILLING OPERATIONS.
- FOR INTERIOR SLABS ON GRADE PLACE 6 MILL POLYETHYLENE SHEETING BETWEEN SOIL AND BOTTOM OF SLAB. DO NOT USE ANY SHEETING BELOW EXTERIOR CONCRETE SLABS.
- WELDED WIRE FABRIC SHALL CONFORM WITH ASTM A 105-01 "STANDARD SPECIFICATIONS FOR WELDED WIRE FABRIC FOR CONCRETE REINFORCEMENT".
- WELDED WIRE FABRIC SHALL BE SUPPORTED ON SLAB BOLSTERS OR CONCRETE BLOCKS SPACED NO FURTHER THAN 3'-0" O.C.
- SAW CUT CONTROL JOINTS SHALL BE SAUED AS SOON AS THE CONCRETE IS HARD ENOUGH NOT TO BE TORN OR DAMAGED BY THE BLADE.

- COLUMNS, BEAMS AND WALLS OR ANY OTHERS STRUCTURAL MEMBERS PENETRATING SLABS ON FILL SHALL BE ISOLATED BY PREMOLED JOINT FILLER (1/2" THICK) COMPLYING WITH ASTM 6152, TYPE I.

- JOINTS SHALL BE SEALED WHERE INDICATED BY THE ARCHITECTURAL DRAWINGS AND FILLER AND SEALANT MATERIAL SHALL FOLLOW SPECS.

- SOIL UNDER NEW SLAB SHALL HAVE TREATMENT PROTECTION AGAINST SUBTERRANEAN TERMITES A CERTIFICATE OF COMPLETION SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED COMPANY.

- FOUNDATION HAS BEEN DESIGNED FOR A MINIMUM ALLOWABLE BEARING PRESSURE OF 2000 PSF. FOLLOW RECOMMENDATIONS AND SITE PREPARATION IN ALL ASPECTS.

- IN SIDEWALKS AND WALKWAYS, LOCATE ISOLATION JOINTS AT 20 FT. O.C. MAXIMUM SCORE AND TOOL BETWEEN ISOLATION JOINTS IN EQUAL BAYS OF 5 FT. OR LESS.

- MAXIMUM SPACING OF CONTROL JOINTS (I.E. SAWCUT JOINT OR CONSTRUCTION JOINT) SHALL BE AS SET IN THE TABLE BELOW OR AS NOTED ON PLANS. THE MORE STRINGENT SHALL APPLY. PATTERNS SHALL BE APPROXIMATELY SQUARE WITH A RATIO OF LONG SIDE TO SHORT SIDE NOT EXCEEDING 15 TO 1.

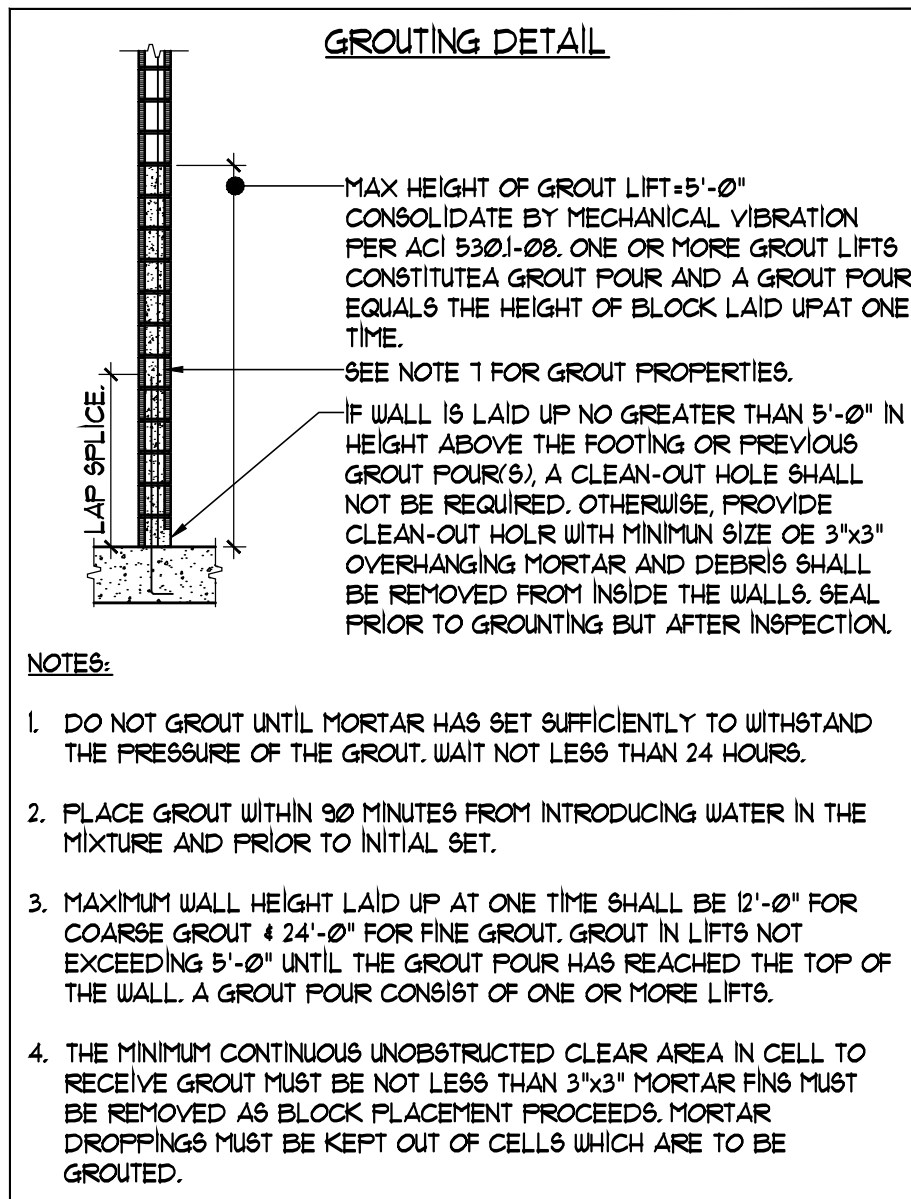
SLAB THICKNESS (IN.)	# 3/4" OR LARGER AGGREGATE SPACING (FT.)
4	12
5	15
6	16
7 AND GREATER	18

REINFORCED MASONRY LOAD BEARING:

- LAY UP ALL 8" MASONRY UNITS PRIOR TO CONSTRUCTION OF THE SUPPORTED MEMBERS FOR THE SAME STORY. USE TYPE M MORTAR IN BEARING WALLS. LAY UP UNITS IN RUNNING BOND.
- MASONRY CONSTRUCTION MATERIALS AND INSPECTIONS SHALL CONFORM TO THE LATEST EDITION OF THE ACI BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (ASCE 1-22, TMS 402-16), SPECIFICATIONS FOR MASONRY STRUCTURES, (ASCE 1-22, TMS 602-16) ASTM C476-02, ASTM C1019-03 AND NCMA 101.
- BLOCK SHALL NOT TO BE MOISTENED BEFORE GROUTING.
- USE CONCRETE MASONRY UNITS CONFORMING TO ASTM C90 GRADE N MASONRY UNITS SHALL DEVELOP A MINIMUM COMPRESSIVE PRISM STRENGTH (Fm) OF 1300 PSI, AND THE AVERAGE OF 3 UNITS 1300 PSI. MORTAR TO BE TYPE M CONFORMING TO ASTM C270. MASONRY UNITS SHALL BE A MIN. OF 50% SOLID.
- TEST ONE SET OF MASONRY UNITS IN ADVANCE OF BEGINNING OPERATIONS AND ONE SET DURING CONSTRUCTION FOR EACH 3000 SQ.FT. OF WALL AREA. SAMPLE FROM ACTUAL FIELD UNITS.
- MORTAR SHALL COMPLY WITH ASTM C270, TYPE "M" FOR TYPICAL WALLS. (COMPRESSIVE STRENGTH 2500 PSI). SITE TESTED MORTAR CUBES SHALL ACHIEVE A MINIMUM OF 80% OF THE DESIGN COMPRESSIVE STRENGTH.)
- USE 2500 PSI PUMP MIX READY MIX GROUT MADE WITH MAX. COURSE AGGREGATE 3/8" AND 8" TO 11" SLUMP. TEST SAMPLES FOR COMPRESSIVE STRENGTH TEST EVERY 30 YARDS OR EACH DAYS GROUTING.
- REINFORCING SPLICES TO BE 48 BAR DIAMETER FOR #5 BARS OR SMALLER OR 50 BAR DIAMETER FOR #6 BARS AND LARGER.
- USE GROUTED CELLS WITH #5 VERTICAL AT WALL INTERSECTIONS, EACH SIDE OF OPENINGS IN THE WALL AND AT THE ENDS OF WALLS. USE 1 #5 IN FILLED CELL, UOL.
- USE BAR SPACERS IN EVERY 6th COURSE WHERE CELLS ARE TO BE GROUTED.
- IN HIGH LIFT GROUTING USE A MAX. LIFT OF 4'-0" MIN 1/2 HOUR AND MAX 1 HOUR BETWEEN LIFTS. VIBRATE EACH LIFT AND RECONSOLIDATE PREVIOUS LIFT AFTER PLACING NEXT LIFT.
- REINFORCED MASONRY WALL CONSTRUCTION SHALL BE INSPECTED BY AN ENGINEER OR ARCHITECT IN ACCORDANCE WITH ACI 531.
- WHERE ANCHOR BOLTS ARE SET IN MASONRY WALL, FILL BLOCK CELLS WITH GROUT FOR BOLTED COURSE, ONE COURSE ABOVE AND TWO COURSES BELOW ANCHOR ELEVATION.
- USE PRESSURE TREATED WOOD IN CONTACT WITH MASONRY.
- PROVIDE POURED IN PLACE LINTELS OR HEADERS OVER ALL MASONRY OPENINGS NOT FLUSH WITH STRUCTURAL FRAME.
- ALL MASONRY CROSS WEBS SHALL BE FULLY BONDED IN MORTAR AROUND CELLS TO BE GROUTED.
- REINFORCE WALLS WITH LADDER TYPE (ASTM A-83, #3 GAGE WIRE) DEFORMED REINFORCEMENT EQUAL TO DUR-O-WALL IN BED JOINTS AT 16" O.C. UNO. MEASURED VERTICALLY. PLACE PER MFR'S INSTRUCTIONS. LAP HORIZONTAL JOINT REINFORCING 6" MIN.
- GROUT PLACEMENT STOPPED FOR (1) ONE HOUR OR MORE SHOULD BE STOPPED 1 1/2" BELOW THE TOP OF THE MASONRY UNIT TO PROVIDE A KEY FOR SUBSEQUENT GROUTING.
- TEMPORARY BRACING AND SHORING OF WALLS TO PROVIDE STABILITY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- DO NOT APPLY UNIFORM LOADS TO MASONRY WALLS FOR (3) THREE DAYS.
- DO NOT APPLY CONCENTRATED LOADS TO MASONRY WALLS FOR (7) DAYS.
- EXTEND ALL VERTICAL WALL REINFORCEMENT TO WITHIN 2" OF TOP OF WALL OR BEAM UNLESS NOTED OTHERWISE. TERMINATE REINFORCING WITH STANDARD ACI 90 DEGREE HOOK IF ROOF JOIST AND/OR TRUSSES BEAR ON TOP OF WALL AND THERE IS NOT PARAPET. IF PARAPET EXISTS, HOOK IS NOT REQUIRED.
- MAXIMUM CONTROL JOINT SPACING FOR CONCRETE MASONRY UNITS.

SPACING FOR CONTROL JOINTS
2 x WALL HEIGHT + SPACING IN FT. (NOT EXCEED 30'-0")

- GROUT FOR FILL CELLS SHALL BE PLACED IN CONFORMANCE WITH ACI 530.1.08 AND AS INDICATED BELOW:



BOLT SCHEDULE-BLDG "2 44" ASTM F1554 Gr. 36	
A	(4) 3/4"φ HEADED ANCHOR BOLTS x 9" EMBEDMENT
B	(4) 3/4"φ HEADED ANCHOR BOLTS x 9" EMBEDMENT
C	(4) 3/4"φ HEADED ANCHOR BOLTS x 12" EMBEDMENT
D	(4) 3/4"φ HEADED ANCHOR BOLTS x 16" EMBEDMENT
E	(4) 3/4"φ HEADED ANCHOR BOLTS x 12" EMBEDMENT
F	(2) 5/8"φ HEADED ANCHOR BOLTS x 9" EMBEDMENT
SEE MANUFACTURERS DRAWINGS FOR ALL OTHER BOLT REQ'TS.	

FOOTING SCHEDULE									
MARK	SIZE (IN)			REINFORCING				REMARKS	
	LENGTH	WIDTH	DEPTH	LONG BAR		SHORT BAR			
				TOP	BOTT.		TOP	BOTT.	
MF-18	CONT.	18"	16"	(2) #5	(2) #5	----	#5@14"o.c.		MONOLITHIC FOOTING
MF-24	CONT.	24"	24"	(3) #5	(3) #5	----	#5@12"o.c.		PROV. (6) #3 CLOSED TIES @ 8" o.c. UNDER STEEL COLUMNS.
MF-26	CONT.	26"	30"	(4) #6	(4) #6	----	#5@12"o.c.		PROV. (6) #3 CLOSED TIES @ 8" o.c. UNDER STEEL COLUMNS.
MF-30	CONT.	30"	30"	(4) #6	(4) #6	----	#5@12"o.c.		PROV. (6) #3 CLOSED TIES @ 8" o.c. UNDER STEEL COLUMNS.

TYPICAL FOOTING REINFORCING LAYOUT - PLAN VIEW

LONG BARS

CONTINUOUS OR LENGTH

WIDTH

LENGTH

TYPICAL FOOTING REINFORCING LAYOUT - SECTION A-A

TOP STEEL AS REQD

CONTINUOUS OR LENGTH

WIDTH

LENGTH

NOTES:

LONG BARS TO BE PLACED IN OUTER LAYER PROVIDE A 30"x30" CORNER BAR FOR EACH LONG BAR AT ALL CONT. FOOTING CHANGES IN DIRECTION

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[SEAL]

[PROJECT]

DELRAY INDUSTRIAL PROPERTIES, LLC

905 SW 14th AVE.
DELRAY BEACH, FL 33444

[OWNER]

[REVISIONS]

No.	Description	Date

[PROJECT STATUS]

[DATE]
04.28.2025

[PROJECT NUMBER]
6322

[SCALE]
AS NOTED

[DRAWN BY] LBG [CHECKED BY] AV

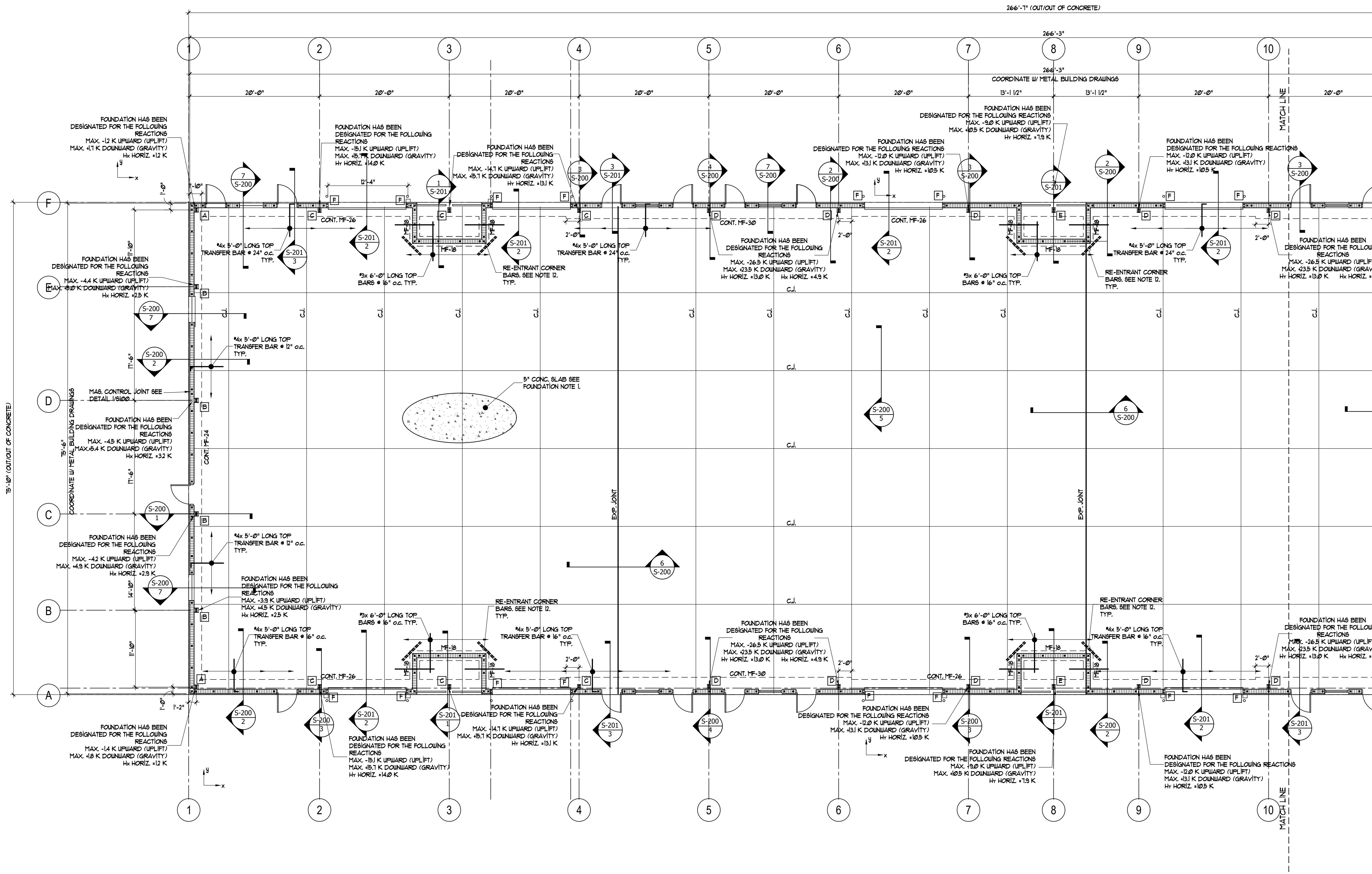
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GENERAL NOTES AND SCHEDULE

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S-000

VASQUEZ
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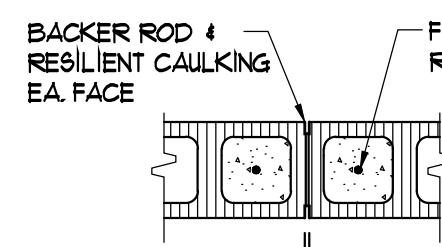
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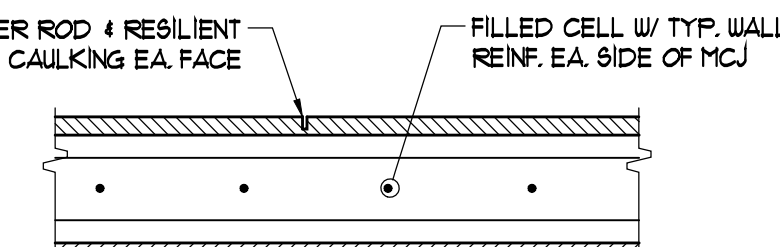


TYPICAL FOUNDATION PLAN NOTES:

- NEW CONCRETE SLAB TO CONSIST OF 5" CONC. REINFORCED W/ 6x6 W40 x W40 WUF. AT MID DEPTH OF SLAB OVER 10 MIL VAPOR BARRIER OVER COMPACTED TERMITE TREATED SOIL.
- COORDINATE THIS DRAWING W/ ARCHITECTS DRAWINGS AND DOOR/ WINDOW MANUFACTURER FOR DOOR AND WINDOW ROUGH OPENINGS DIMENSIONS & LOCATIONS.
- COORDINATE TOP OF SLAB WITH FINAL FLOOR FINISHES, SLAB RECESSES, AND FLOOR SLOPES PER THE ARCHITECTS DRAWINGS.
- TOP OF FINISHED SLAB REF. ELEV. = 0'-0" (UNLESS NOTED OTHERWISE). TOP OF FOOTING ELEV. = -0'-0" TO MATCH SLAB. ALL FOOTINGS ARE CENTERED BENEATH BEARING WALLS AND COLUMNS, TYPICAL OR UNLESS NOTED OTHERWISE.
- INDICATES 8" CONCRETE MASONRY UNITS, W/ STEEL REINF. IN GROUTED CELLS W/ 5# 40" O.C. MAX. AS NOTED ON PLANS FOR CORNERS, JAMBS, ETC.
- PROVIDE #3 LADDER TYPE HORIZONTAL JOINT REINFORCING @ 16" O.C. (EVERY 2ND COURSE) FOR CONCRETE MASONRY UNIT WALL.
- DO NOT INSTALL EXPANSION BOLTS OR TAPCONS INTO MORTAR JOINTS OR MASONRY WEBS. INSTALL BOLTS DIRECTLY IN THE MIDDLE OF GROUT FILLED CELLS OR INTO CONCRETE.
- PROVIDE MAXIMUM CONTROL JOINT FOR CONCRETE MASONRY UNITS AT 24'-0" O.C. MAX. SEE DETAIL ON THIS SHEET.
- PROVIDE (2) 1/4" x 4'-0" LONG AT ALL RE-ENTRANT CORNERS PLACED AT MID-DEPTH OF SLAB AND 3" APART.
- SEE TABLE ON S-000 FOR PRE-ENGINEERED MTL. BUILDING COLUMN ANCHOR BOLT SIZE AND EMBEDMENT.



MAS CONTROL JOINT
PROVIDE JOINTS AT SPACING
NOT EXCEED 20'-0". TYPICAL



MCJ @ CONC. CAP

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

PERMIT SET

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FL PE # 60843
FL CA # 30130



PROJECT
DELRAY INDUSTRIAL PROPERTIES, LLC

905 SW 14th AVE.
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33444

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No.	Description	Date

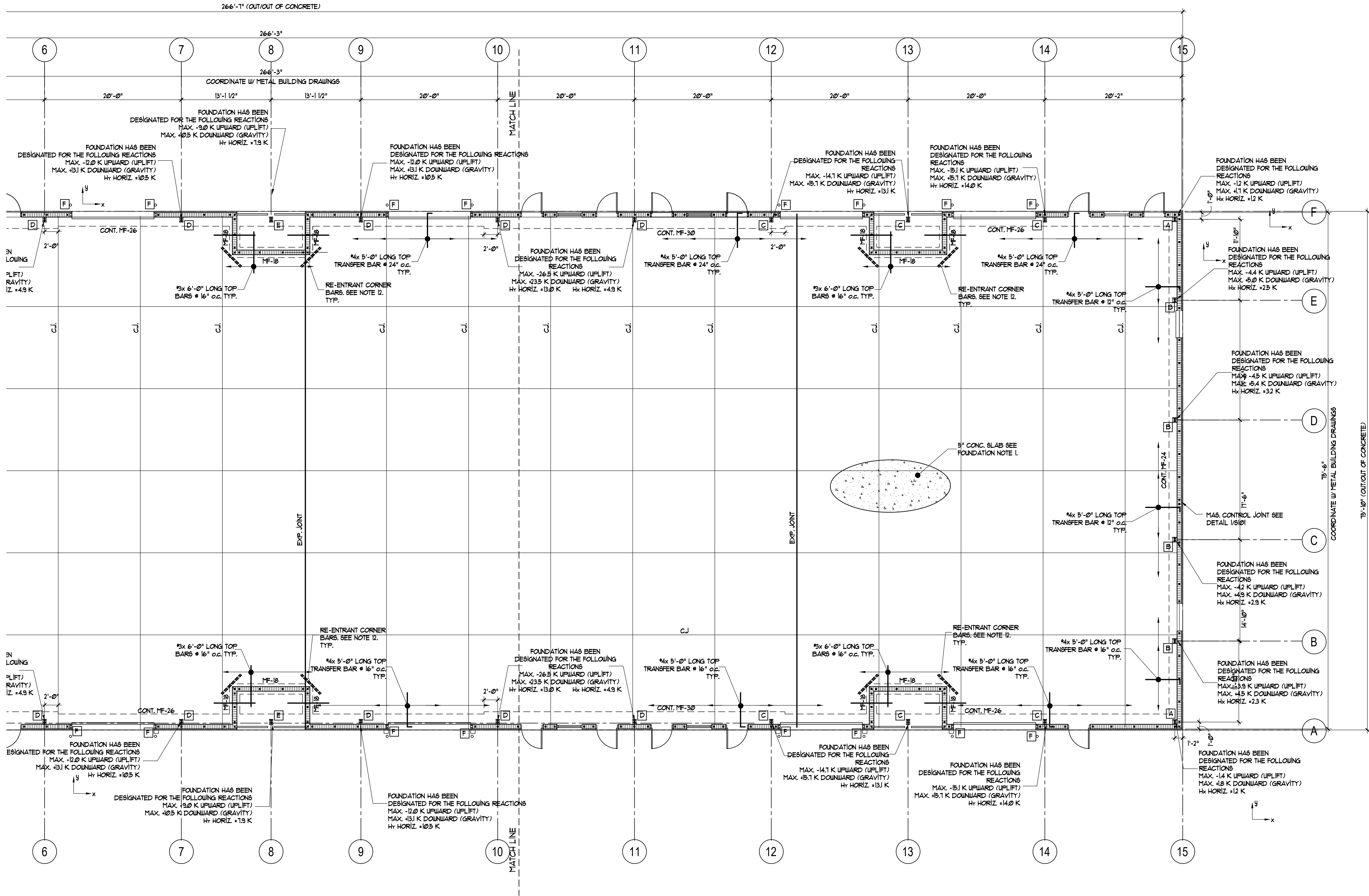
PROJECT STATUS
DATE
04.28.2025
PROJECT NUMBER
6322
SCALE
AS NOTED

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LGB
CHECKED BY
AV
DRAWING TITLE

FOUNDATION FRAMING PLAN

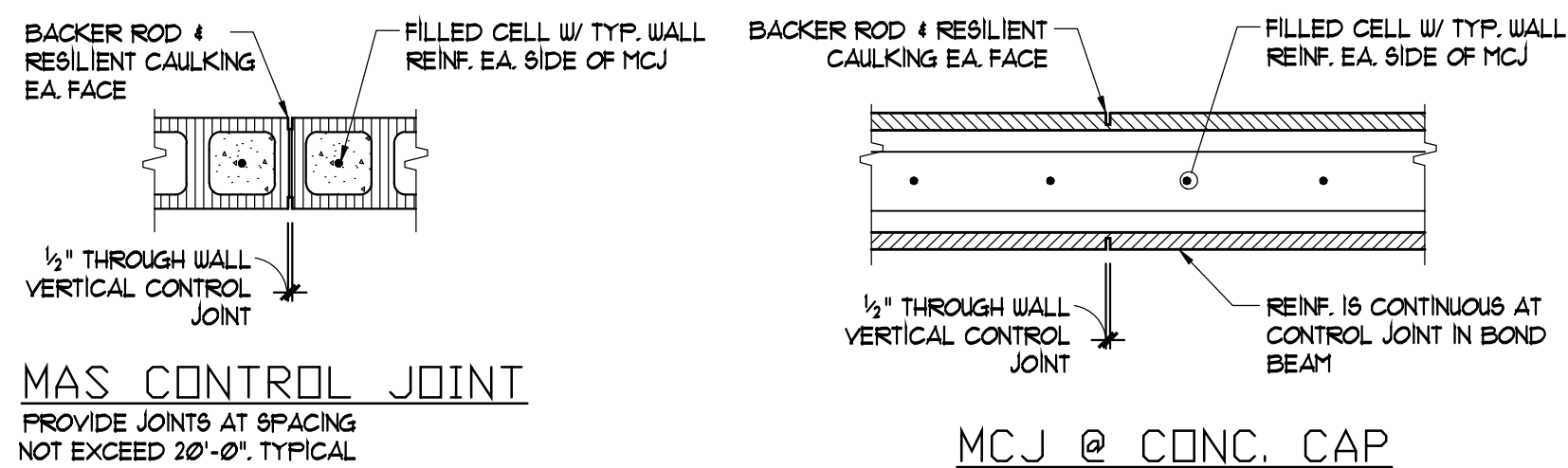
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CONTRACTOR(S) SHALL VERIFY EXISTING CONDITIONS AND CORRELATE DIMENSIONS PRIOR TO PROVIDING THE WORK DETAILED IN THESE DRAWINGS.



TYPICAL FOUNDATION PLAN NOTES:

1. NEW CONCRETE SLAB TO CONSIST OF 5" CONC. REINFORCED w/ 6x6 w40 x w40 WUF. AT MID DEPTH OF SLAB OVER 10 MIL VAPOR BARRIER OVER COMPACTED TERMITE TREATED SOIL.
2. COORDINATE THIS DRAWING w/ ARCHITECTS DRAWINGS AND DOOR/WINDOW MANUFACTURER FOR DOOR AND WINDOW ROUGH OPENINGS DIMENSIONS & LOCATIONS.
3. COORDINATE TOP OF SLAB WITH FINAL FLOOR FINISHES, SLAB RECESSES, AND FLOOR SLOPES PER THE ARCHITECTS DRAWINGS.
4. TOP OF FINISHED SLAB REF. ELEV. = 0'-0" (UNLESS NOTED OTHERWISE). TOP OF FOOTING ELEV. = -0'-0" TO MATCH SLAB. ALL FOOTINGS ARE CENTERED BENEATH BEARING WALLS AND COLUMNS, TYPICAL OR UNLESS NOTED OTHERWISE.
5. [Symbol] INDICATES 8" CONCRETE MASONRY UNITS, w/ STEEL REINF. IN GROUTED CELLS w/ #5 @ 40" O.C. MAX. AS NOTED ON PLANS FOR CORNERS, JAMBS, ETC.
6. PROVIDE #3 LADDER TYPE HORIZONTAL JOINT REINFORCING @ 16" O.C. (EVERY 2nd. COURSE) FOR CONCRETE MASONRY UNIT WALL.
7. DO NOT INSTALL EXPANSION BOLTS OR TAPCONS INTO MORTAR JOINTS OR MASONRY WEBS. INSTALL BOLTS DIRECTLY IN THE MIDDLE OF GROUT FILLED CELLS OR INTO CONCRETE.
8. PROVIDE MAXIMUM CONTROL JOINT FOR CONCRETE MASONRY UNITS AT 24'-0" O.C. MAX. SEE DETAIL ON THIS SHEET.
9. PROVIDE (2) #4 x 4'-0" LONG AT ALL RE-ENTRANT CORNERS PLACED AT MID-DEPTH OF SLAB AND 3" APART.
10. SEE TABLE ON S-000 FOR PRE-ENGINEERED MTL. BUILDING COLUMN ANCHOR BOLT SIZE AND EMBEDMENT.



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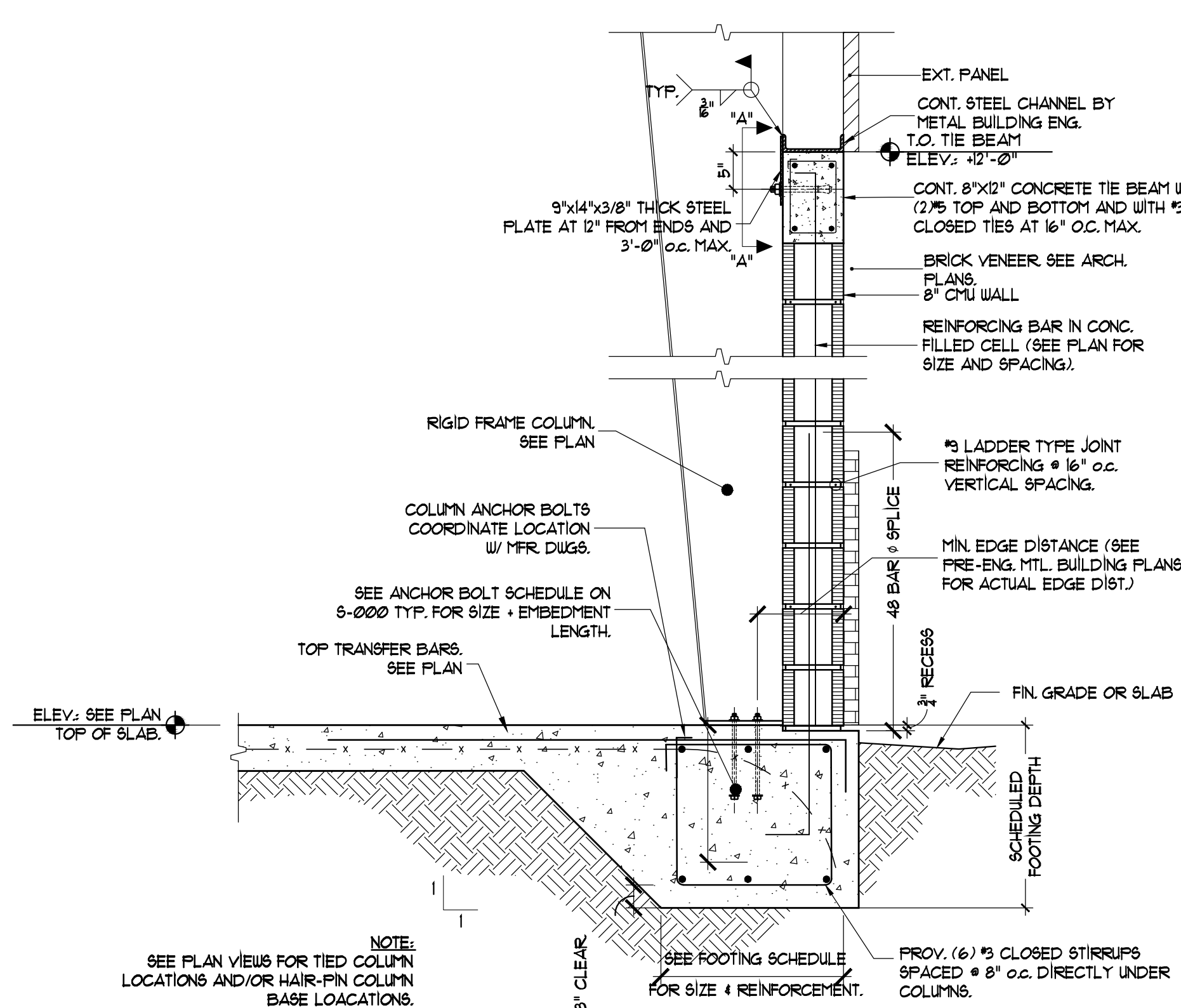
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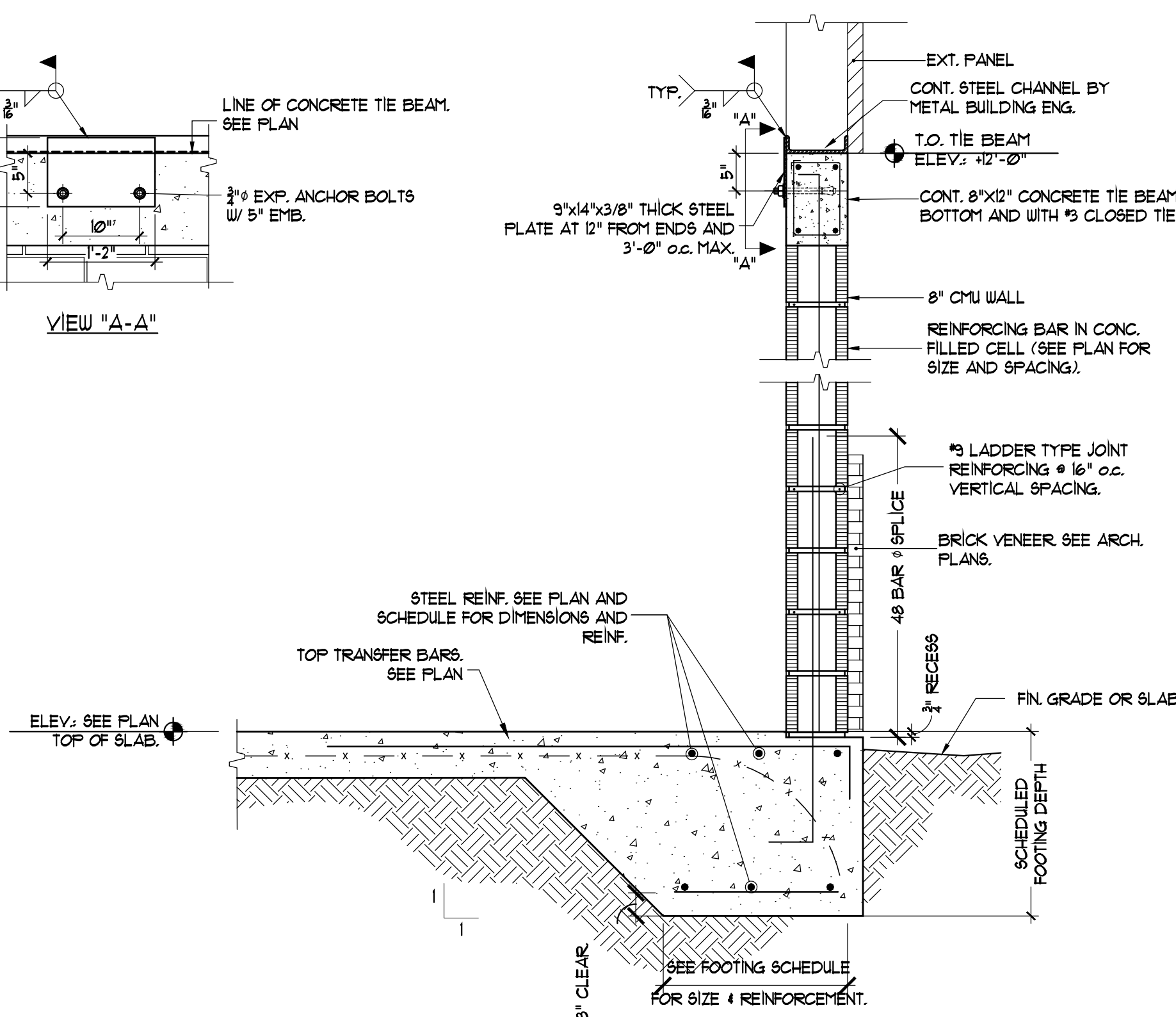
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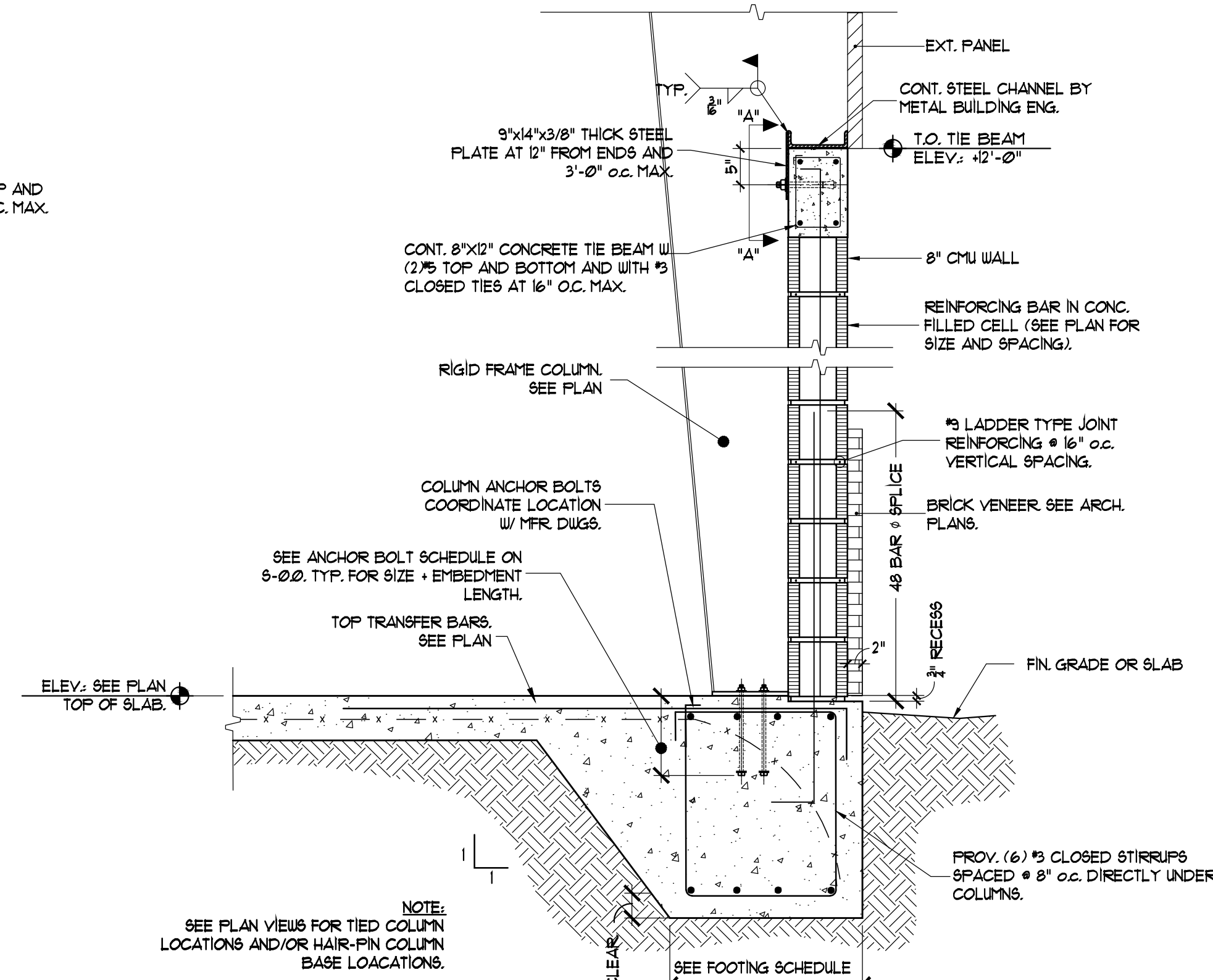
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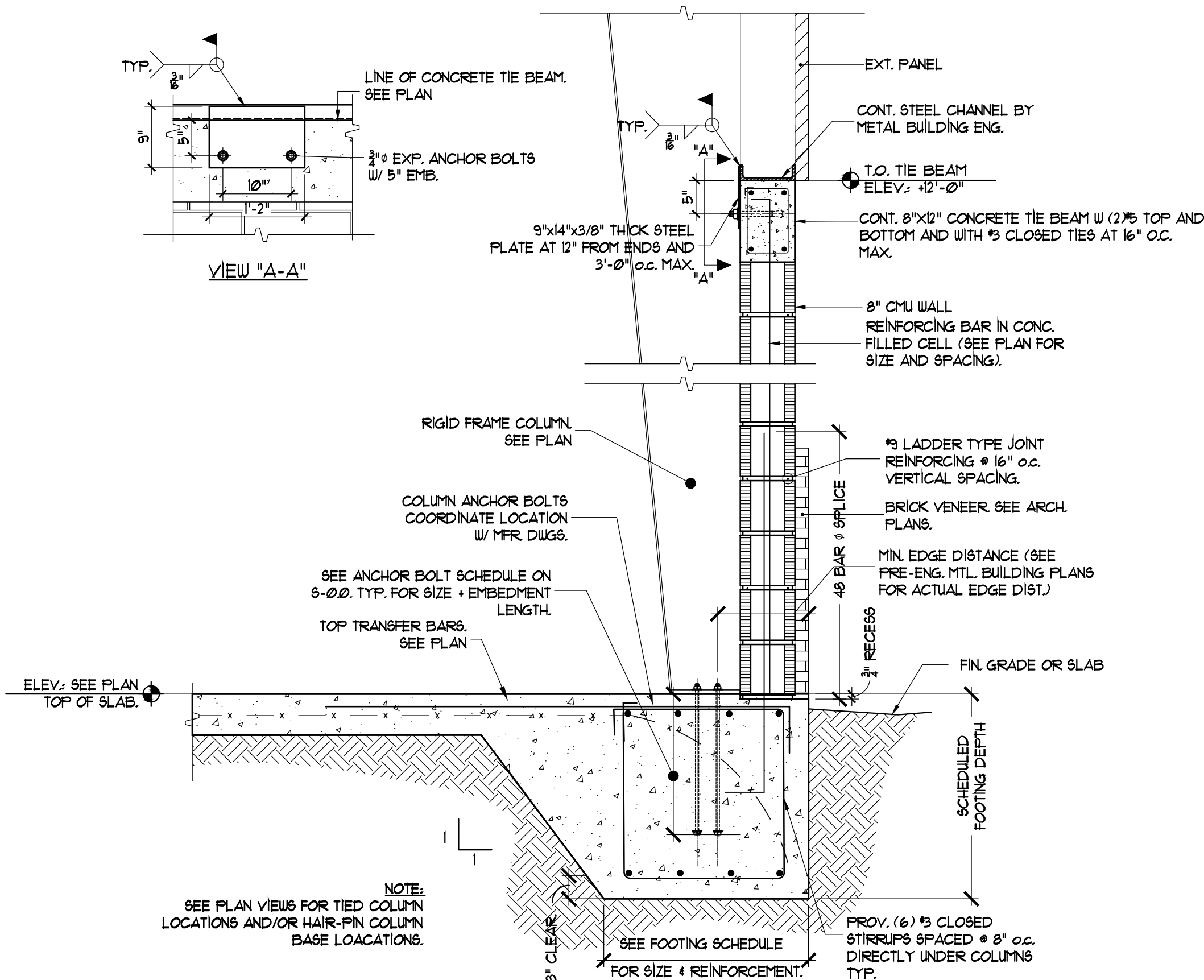
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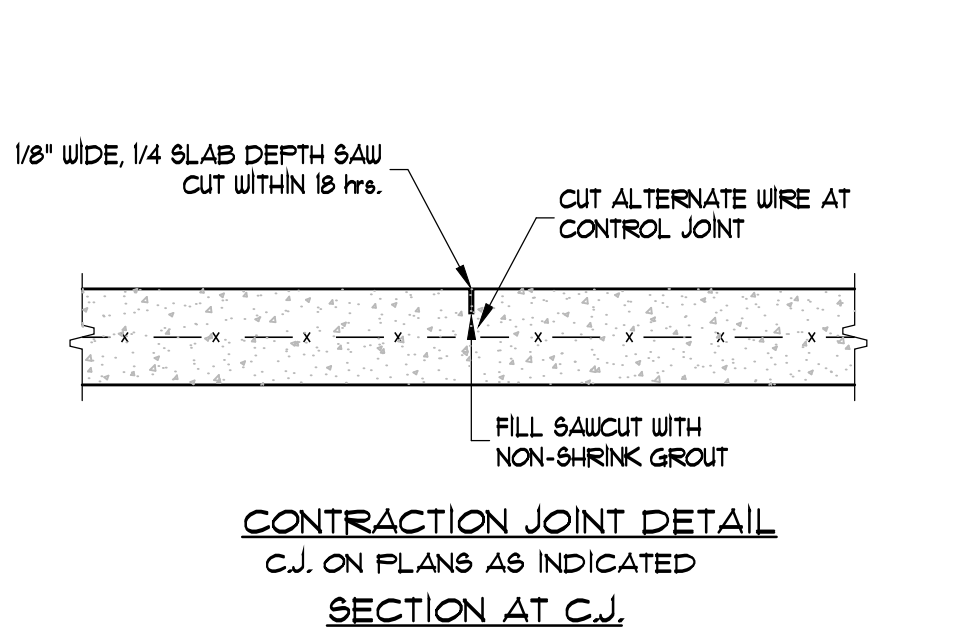
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3/4" x 1'-0"



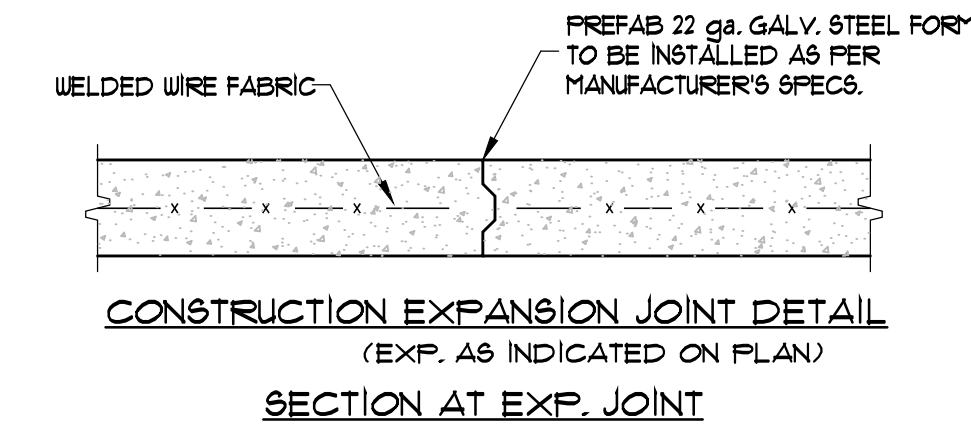
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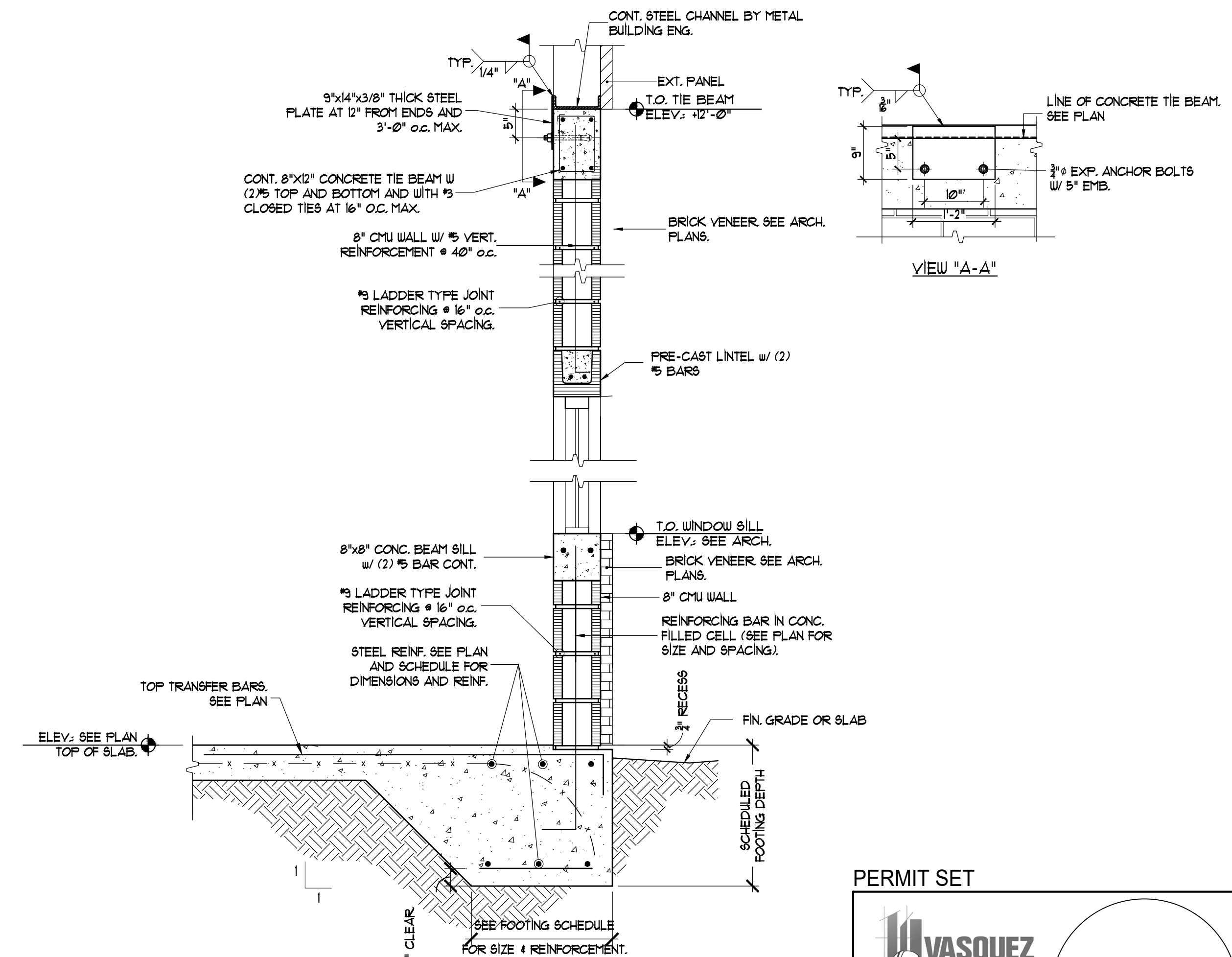
SECTION 4
3/4" x 1'-0"



SECTION C.J.
3/4" x 1'-0"



SECTION C.J.
3/4" x 1'-0"

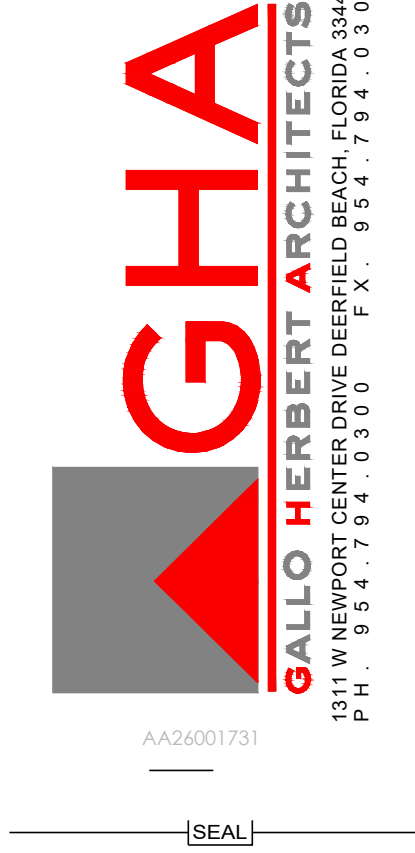


SECTION 5
3/4" x 1'-0"

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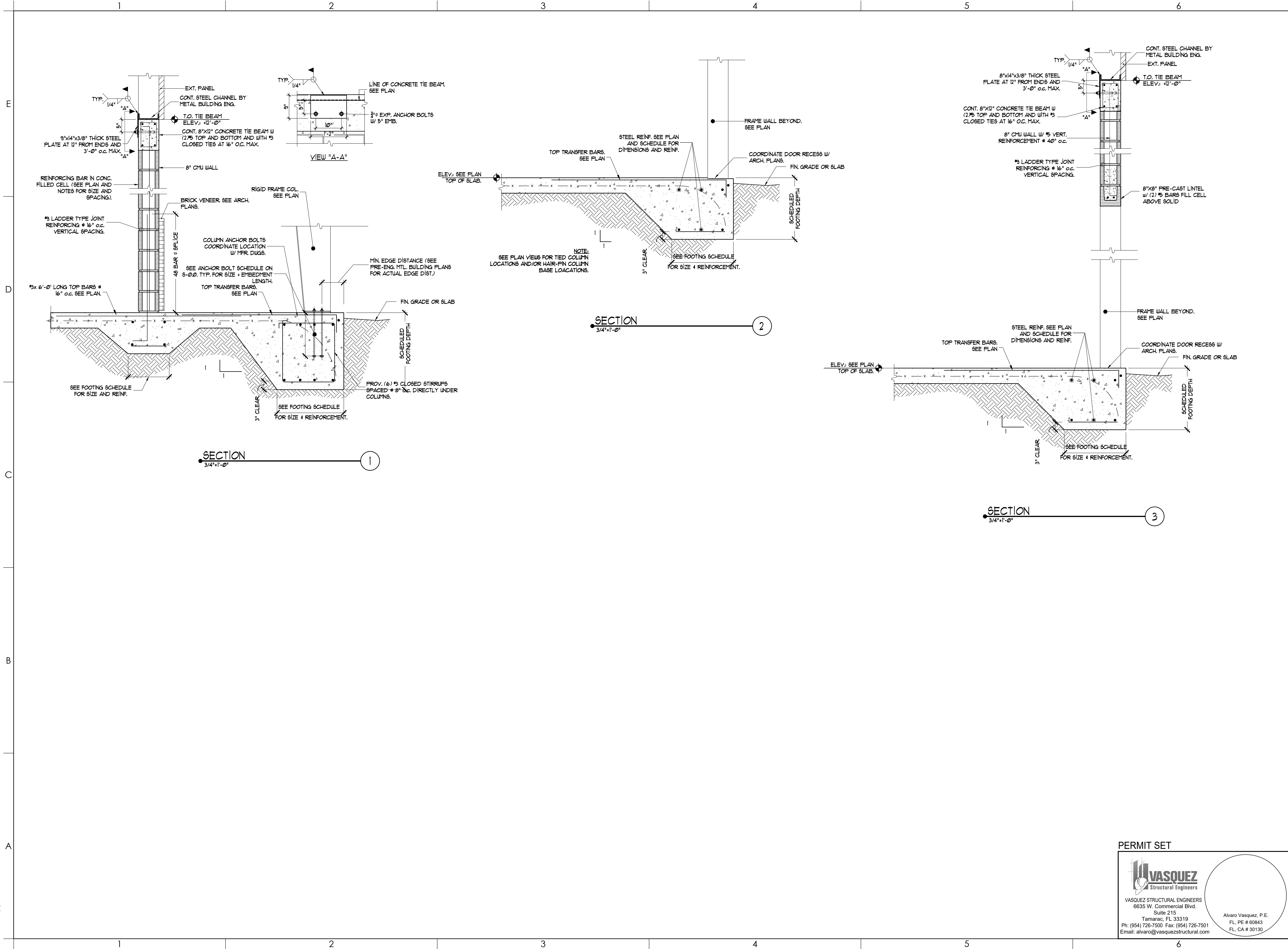
DATE
04.28.2025
PROJECT NUMBER
6322
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SECTIONS
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OWNER

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PROJECT STATUS

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SCALE
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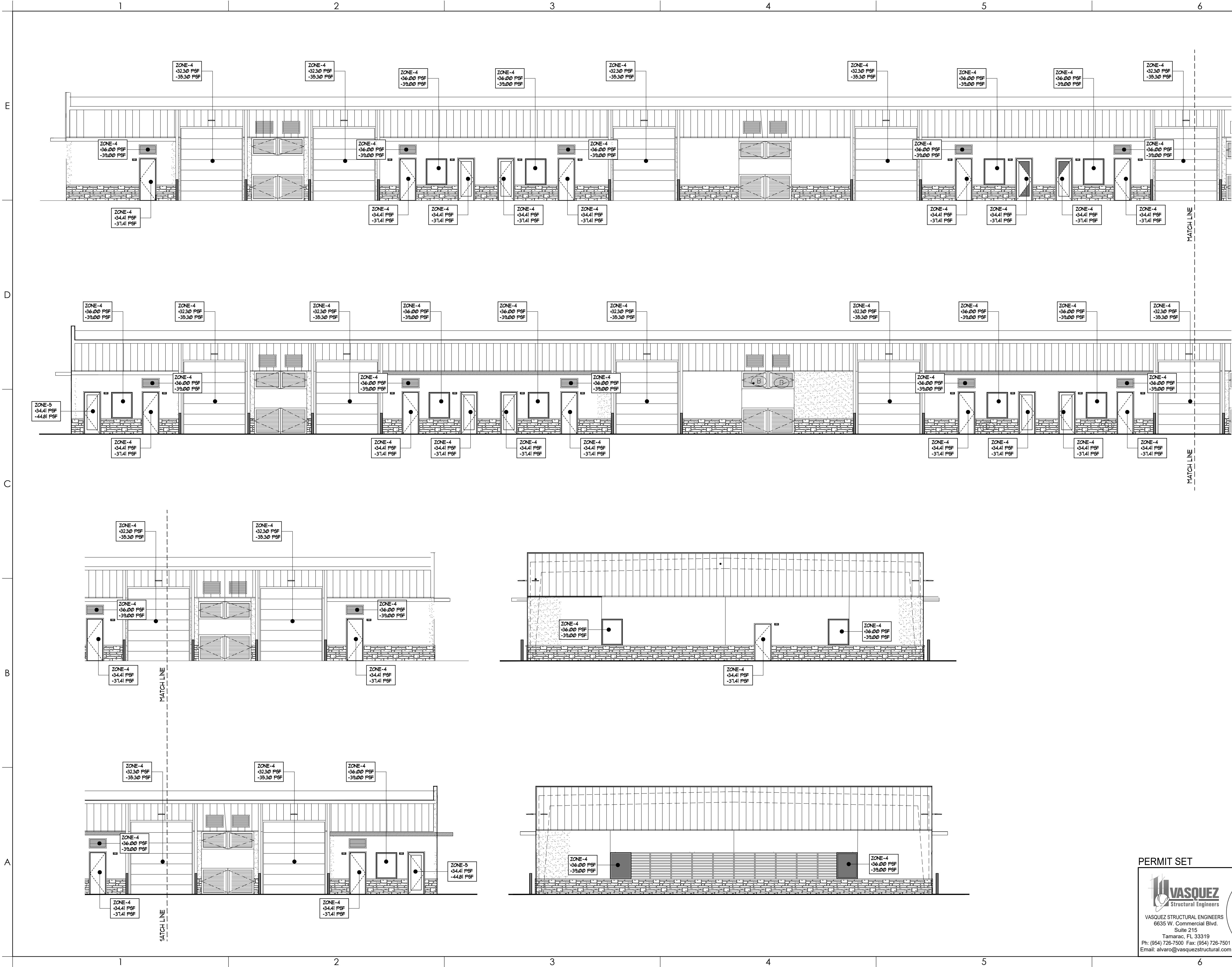
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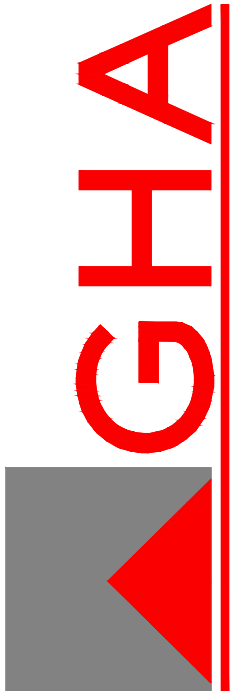
SECTIONS
DRAWING NUMBER
S-201

PERMIT SET
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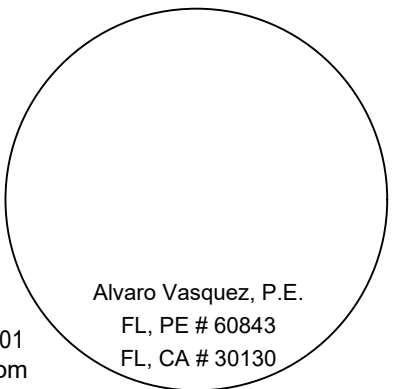
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WINDOWS AND DOORS
WIND PRESSURE
DRAWING NUMBER
S-300