



BETCO

HWY 42 STORE ALL HOLLY SPRINGS, NORTH CAROLINA

SUBMITTED TO :

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NOTE: DETAIL LABELS CONTAINED WITHIN THIS SET OF PLANS MAY
REFERENCE THE ERECTION DRAWINGS MARKED IN THIS SCHEDULE.
EXAMPLE: DETAIL A/900 REFERS TO DETAIL "A" LOCATED ON ERC900X.

ERECTION DRAWINGS

ERC010X	ERC200X	ERC420X	ERC619X	ERC752X
ERC016X	ERC201X	ERC500X	ERC620X	ERC753X
ERC100X	ERC202X	ERC505X	ERC621X	ERC754X
ERC105X	ERC203X	ERC506X	ERC622X	ERC800X
ERC106X	ERC204X	ERC515X	ERC623X	ERC900X
ERC110X	ERC206X	ERC600X	ERC624X	ERC901X
ERC112X	ERC207X	ERC601X	ERC625X	ERC902X
ERC115X	ERC208X	ERC602X	ERC626X	ERC903X
ERC125NXT	ERC209X	ERC603X	ERC630X	ERC904X
ERC130X	ERC250X	ERC604X	ERC631X	ERC905X
ERC150X	ERC250XPHF	ERC605X	ERC650X	ERC907X
ERC151X	ERC251X	ERC606X	ERC651X	ERC908X
ERC152X	ERC251XPHF	ERC607X	ERC652X	ERC910X
ERC153X	ERC252X	ERC608X	ERC700X	ERC911X
ERC154X	ERC252XPHF	ERC609X	ERC710X	ERC912X
ERC155X	ERC253X	ERC610X	ERC711NXT	ERC913X
ERC175X	ERC254X	ERC611X	ERC713NXT	ERC914X
ERC176X	ERC255X	ERC612X	ERC720X	ERC915X
ERC177X	ERC256X	ERC613X	ERC730X	ERC916X
ERC178X	ERC257X	ERC614X	ERC731X	ERC917X
ERC179X	ERC260X	ERC615NXT	ERC731XPHF	ERC918X
ERC180X	ERC262X	ERC616X	ERC732X	ERC919X
ERC181X	ERC302X	ERC617X	ERC732XPHF	
ERC182X	ERC410XFL	ERC618X	ERC750X	
ERC183X	ERC411X	ERC618XALT	ERC751X	

SCHEDULE OF DRAWINGS

DRAWING NO.	DESCRIPTION
CS1	COVER SHEET
CS2	BUILDING NOTES
CS3	APPENDIX B
CS4	UL SPECIFICATIONS
F1	FOUNDATION PLAN, DETAIL & NOTES
F2	FOUNDATION PLANS & NOTES
F3	FOUNDATION PLAN & NOTES
F4	FOUNDATION PLAN & NOTES
F5	FOUNDATION DETAILS
S1	ELEVATIONS & NOTES
S2	FLOOR PLAN, SECTION, DETAIL & NOTES
S3	FLOOR PLAN & NOTES
S4	FLOOR PLAN, & NOTES
S5	CROSS SECTION, & DETAILS
S6	FLOOR PLAN, CROSS SECTION, DETAILS & NOTES
S7	BUILDING DETAILS
S8	FRAMING ELEVATIONS

WIND LOAD DESIGN DATA:

ULTIMATE DESIGN WIND SPEED (V_{ULT}): 115 MPH
NOMINAL DESIGN WIND SPEED (V_{ASD}): 90 MPH
RISK CATEGORY: II
WIND EXPOSURE: B
INTERNAL PRESSURE COEFFICIENT: ± 0.18

SNOW LOAD DESIGN DATA:

GROUND SNOW LOAD (P_g): 15.0 PSF
FLAT-ROOF SNOW LOAD (P_f): 12.1 PSF
SNOW EXPOSURE FACTOR (C_e): 1.2
SNOW LOAD IMPORTANCE FACTOR (I_s): 1.0
THERMAL FACTOR (C_t): 1.2

EARTHQUAKE LOAD DESIGN DATA:

- RISK CATEGORY: II
- SEISMIC IMPORTANT FACTOR (I_g): 1.0
- SEISMIC DESIGN CATEGORY: C
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE (ASCE 7-10 SECTION 12.8)
- BASIC SEISMIC-FORCE-RESISTING SYSTEM: LIGHT FRAMED WALLS WITH STEEL SHEAR PANELS
- SITE CLASS: D
- DESIGN BASE SHEAR:
 - BUILDING "1": 1.837^K
 - BUILDING "2": 3.200^K
 - BUILDING "3": 0.729^K
- RESPONSE MODIFICATION FACTOR (R): 7.0
- SEISMIC RESPONSE COEFFICIENT (C_s): 0.027
- MAPPED SPECTRAL RESPONSE ACCELERATION:
 - (S_s): 17.4% G
 - (S_1): 8.4% G
- SPECTRAL RESPONSE COEFFICIENTS:
 - (S_{DS}): 18.6% G
 - (S_{D1}): 13.4% G

BUILDING DATA :

BUILDING DESCRIPTION:

SINGLE STORY METAL BUILDINGS BOLTED
TO CONCRETE SLAB FOUNDATIONS.

BUILDING SIZE:

BUILDING "1" 60' x 180' = 10,800 sq. ft. 9'-4" EAVE HGT.
BUILDING "2" 60' x 395' = 23,700 sq. ft. 9'-4" EAVE HGT.
BUILDING "3" 20' x 270' = 5,400 sq. ft. 8'-6" EAVE HGT.
TOTAL = 39,900 sq. ft.

PARKING DATA:

SEE SITE PLAN BY OTHERS

BUILDING CODE:

THE 2018 NORTH CAROLINA BUILDING CODE

DESIGN CRITERIA:

THESE BUILDINGS HAVE BEEN DESIGNED TO
CONFORM TO THE STRUCTURAL REQUIREMENTS
OF THE 2018 NORTH CAROLINA BUILDING CODE
WITH CURRENT REVISIONS.

THESE BUILDINGS HAVE BEEN DESIGNED
FOR THE FOLLOWING LIVE LOADINGS
IN ADDITION TO THE DEAD LOADINGS :

ROOF LIVE LOADING: 20 psf

FLOOR LIVE LOADING: 125 psf

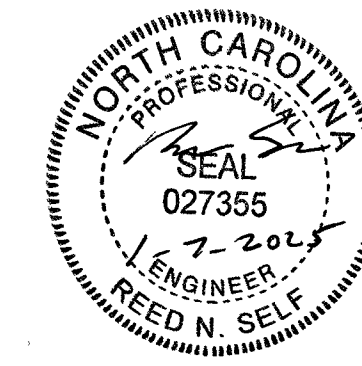
USE GROUP: S-1

TYPE OF CONSTRUCTION: II-B

IT IS THE RESPONSIBILITY OF THE BUYER/OWNER
TO VERIFY THE FIREWALL, LIVE LOAD AND WIND LOAD
REQUIREMENTS WITH THE LOCAL CODE AUTHORITY.

PROJECT NUMBER:

NC24204



BETCO, Inc.
228 Commerce Blvd.
Statesville, NC 28625
Limited Engineering License # D-0140

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GENERAL NOTES:

1. CONCRETE FOUNDATIONS AND FLOOR SLAB ARE TO BE SUPPLIED AND INSTALLED BY OTHERS. WEDGE ANCHORS FOR INTERIOR AND EXTERIOR FOOTINGS SUPPLIED AND INSTALLED BY BETCO.
2. EXTERIOR OPENINGS, NOT DESIGNATED AS DOOR LOCATIONS, TO BE COMPLETED USING EXTERIOR WALL PANELS FURNISHED BY BETCO.
3. USE DOW 78 SILICONE CAULK AND 1/2" WIDE BUTYL RUBBER TAPE SEALANT FOR ROOF INSTALLATION. USE DOW 788 SILICONE CAULK AT DOWNSPOUT TO GUTTER JOINT.
4. INTERIOR PARTITIONS PERPENDICULAR TO ROOF BEAMS MUST BE COMPLETED BEFORE ROOF PANELS ARE INSTALLED. USE PARTITION FRAMING TO PLUMB AND SQUARE COLUMNS AND HEADER SECTIONS. CHECK BUILDING WIDTH AT TOP OF COLUMNS PRIOR TO ROOF INSTALLATION.
5. THOROUGHLY SWEEP ROOF PANELS FOLLOWING INSTALLATION TO REMOVE METAL DRILLINGS.
6. THIS DESIGN IS BASED ON USING ONLY METAL BUILDING COMPONENTS WHICH ARE PROPRIETARY TO BETCO. FURTHER, THE PROFESSIONAL ENGINEER'S SEAL IS INVALID UNLESS ONLY BETCO METAL BUILDING COMPONENTS ARE UTILIZED.
7. METAL STUDS (IF APPLICABLE) MAY REQUIRE FIELD CUTTING DEPENDING UPON THE EAVE HEIGHT OF THE STRUCTURE.
8. UNIT SIZES SHOWN ARE NOMINAL. ACTUAL CLEAR DIMENSIONS INSIDE UNITS MAY VARY ACCORDING TO FINAL DESIGN OF COMPONENTS.
9. THESE DRAWINGS ARE THE PROPERTY OF BETCO, INC. AND MAY NOT BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF BETCO, INC.
10. THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS.
11. THE GENERAL CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL SLEEVES, PADS, DEPRESSIONS, OPENINGS, ETC. AS REQUIRED BY THE VARIOUS TRADES.

FOUNDATIONS:

1. THE FOUNDATION DESIGN IS BASED ON A PRESUMED ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF. NOTIFY ENGINEER IF SITE CONDITIONS DIFFER FROM DESIGN ASSUMPTIONS SPECIFIED.
2. IF FOOTING ELEVATIONS SHOWN OCCUR IN A DISTURBED, UNSTABLE OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED.
3. TOP OF FOOTING ELEVATIONS ARE SHOWN ON THE DRAWINGS ARE TO BE DETERMINED BY THE CONTRACTOR IN THE FIELD IN ACCORDANCE WITH THE GUIDE LINES SET FORTH IN THE DRAWINGS AND SPECIFICATIONS.
4. FILL MATERIAL SHALL BE FREE OF ROOTS, WOOD OR OTHER ORGANIC MATERIAL AND COMPLY WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT. MATERIALS USED FOR FILL UNDER FOOTINGS AND WITHIN BUILDING LIMITS SHALL BE TESTED AND APPROVED FOR THE USE BY THE GEOTECHNICAL TESTING AGENCY.
5. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.
6. FOUNDATION WALLS RETAINING EARTH SHALL BE BRACED AGAINST BACK FILLING PRESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE IN PLACE.
7. FOUNDATION WALLS OR GRADE BEAMS HAVING EARTH PLACED ON EACH SIDE SHALL HAVE BOTH FILLED SIMULTANEOUSLY TO MAINTAIN A COMMON ELEVATION.
8. DO NOT PLACE CONCRETE IN ANY EXCAVATION CONTAINING ICE, FROST, FROZEN GROUND OR FREE WATER. FROZEN SUB GRADES MUST BE THAWED AND RECOMPACTED PRIOR TO PLACING CONCRETE.
9. EARTH FORMED FOOTINGS SHALL CONFORM TO THE SHAPE, LINES, AND DIMENSIONS AS SHOWN ON THE FOUNDATION PLAN. ALL WATER SHALL BE REMOVED BEFORE DEPOSITING CONCRETE.
10. BEFORE PLACING CONCRETE, ALL EMBEDDED ITEMS SHALL BE PROPERLY LOCATED, ACCURATELY POSITIONED, AND MAINTAINED SECURELY IN PLACE.
11. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION, AND ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
12. PERIMETER FOUNDATION MUST NOT EXCEED 1/4" ELEVATION VARIATION ALONG ANY 50' DISTANCE OF BUILDING LENGTH.
13. PERIMETER FOUNDATION TO EXTEND BELOW FROST LINE. VERIFY REQUIRED DEPTH WITH LOCAL BUILDING OFFICIALS PRIOR TO PROCEEDING WITH FOUNDATION WORK AND NOTIFY ENGINEER OF DEVIATION FROM DRAWINGS.
14. THE AMERICAN CONCRETE INSTITUTE DOES NOT RECOGNIZE FIBERMESH AS A SUBSTITUTE FOR WIRE MESH REINFORCED CONCRETE WHEN SUBJECTED TO TENSILE STRESS.
15. SAW CUT CONTROL JOINTS IN SLAB SURFACE AT APPROXIMATELY 10'-0" INTERVALS ... OFFSET CUTS 2'-6" MINIMUM FROM INTERIOR COLUMN LINES.

REINFORCING STEEL:

1. REINFORCING STEEL SHALL BE NEW BILLET STEEL, DEFORMED BARS CONFORMING TO ASTM A-618, GRADES 60 (Fy=60,000 PSI).
2. FIELD BENDING OF CONCRETE REINFORCING STEEL IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
3. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 91-66 'ACI DETAILING MANUAL - 1994' AND THE 'CRSI MANUAL OF STANDARD PRACTICE', LATEST EDITION.
4. PLACE REINFORCEMENT AND TIES IN GROUT SPACES PRIOR TO GROUTING.
5. CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS NOTED OTHERWISE:

A. FOOTING AND GRADE BEAMS IN GROUND CONTACT	3 INCHES
B. BEAMS AND COLUMNS	2 INCHES
C. SLABS, WALLS, AND JOISTS	3/4 INCH - NOT EXPOSED TO EARTH, LIQUID OR WEATHER
D. SLABS ON GRADE	2 INCHES FROM TOP
E. FORMED SURFACES IN GROUND CONTACT	2 INCHES
6. DEVELOPMENT LENGTHS AND LAP SPICES SHALL BE IN ACCORDANCE WITH ACI 318-14 CHAPTER 12 AND AS INDICATED ON THE DRAWINGS. WHERE SPICES ARE NOT CALLED OUT ON THE DRAWINGS, USE CLASS 'B', BUT IN NO CASE SHALL ANY SPICE BE LESS THAN 12 INCHES. FOR BARS AS INDICATED BELOW THE BASIC DEVELOPMENT LENGTH SHALL BE MULTIPLIED BY THE FACTORS AS INDICATED FOR TENSION OR COMPRESSION AND THEN ROUNDED UP TO THE NEAREST WHOLE INCH. THE FACTORS INDICATED BELOW ARE CUMULATIVE FOR EACH OF THE CONDITIONS APPLICABLE.
7. WELDED WIRE MESH/FABRIC SHALL CONFORM TO ASTM A184 AND A185 RESPECTIVELY AND BE LAPPED 1'-0" AT ALL SPICES.
8. ALL REINFORCING TERMINATING AT THE TOPS OF COLUMNS AND PILASTERS SHALL BE HOOKED UNLESS OTHERWISE NOTED.
9. SUBMIT SHOP DRAWINGS FOR FABRICATION, BENDING, AND PLACEMENT OF CONCRETE REINFORCEMENT. COMPLY WITH ACI DETAILING MANUAL (91-66) SHOWING BAR SCHEDULES, STIRRUP SPACING, DIAGRAMS OF BENT BARS, ARRANGEMENT OF CONCRETE REINFORCEMENT. INCLUDE SPECIAL REINFORCEMENT REQUIRED AT OPENINGS THROUGH CONCRETE STRUCTURES. INCLUDE ALL ACCESSORIES SPECIFIED/REQUIRED TO SUPPORT REINFORCING.
10. SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMISSION. DRAWINGS SHALL BEAR THE CONTRACTOR'S APPROVAL STAMP ACCEPTING RESPONSIBILITY FOR DIMENSIONS, QUANTITIES AND COORDINATION WITH THE OTHER TRADES.
11. CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER AND TESTING AGENCY A MINIMUM OF 48 HOURS PRIOR TO ALL CONCRETE POURS IN ORDER TO PERMIT REINFORCING STEEL REVIEW AS REQUIRED BY THE INSPECTION SCHEDULE.
12. REINFORCING IN ALL CONTINUOUS STRIP FOOTINGS SHALL HAVE CORNER BARS OR DOUELS PROVIDE AT ALL CORNERS AND INTERSECTIONS.

CONSTRUCTION AND SAFETY:

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY REGULATIONS, PROGRAMS AND PRECAUTIONS RELATED TO ALL WORK ON THIS PROJECT.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF PERSONS AND PROPERTY EITHER ON OR ADJACENT TO THE PROJECT AND SHALL PROTECT SAME AGAINST INJURY, DAMAGE OR LOSS.
3. MEANS AND METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIALS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.
4. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE DRAWINGS OF OTHER CONSULTANTS AND TRADES. THE CONTRACTOR SHALL COORDINATE THE VARIOUS REQUIREMENTS.
5. NO OPENINGS NOR ANY CHANGES IN SIZE, DIMENSION OR LOCATION SHALL BE MADE IN ANY STRUCTURAL ELEMENTS WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
6. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE. SUCH LOADS SHALL NOT EXCEED THE CAPACITY OF THE STRUCTURE AT ANY TIME.
7. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION, AND ANY TEMPORARY BRACING OR SUPPORT REQUIRED TO ACCOMMODATE THE CONTRACTOR'S MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL INFORM THE STRUCTURAL ENGINEER, CLEARLY AND EXPLICITLY IN WRITING, OF ANY DEVIATION OR SUBSTITUTION OF REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS NOT RELIEVED OF ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS BY VIRTUE OF THE STRUCTURAL ENGINEER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS CLEARLY AND EXPLICITLY INFORMED THE STRUCTURAL ENGINEER IN WRITING OF ANY DEVIATIONS OR SUBSTITUTIONS AT TIME OF SUBMISSION, AND THE STRUCTURAL ENGINEER HAS GIVEN WRITTEN APPROVAL FOR THE SPECIFIC DEVIATIONS OR SUBSTITUTIONS.
9. ALL THINGS WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS OR AMBIGUITIES IN THE DRAWINGS OR SPECIFICATIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER. CORRECTIONS OR WRITTEN INTERPRETATIONS SHALL BE ISSUED BEFORE AFFECTED WORK MAY PROCEED.
10. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH NEW WORK IN AREAS AFFECTED BY THE EXISTING CONDITIONS. STRUCTURAL ENGINEER SHALL BE INFORMED IN WRITING OF CONFLICTS BETWEEN EXISTING AND PROPOSED NEW CONSTRUCTION.
11. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DIMENSIONS SHOWN ON THE CONTRACT DOCUMENTS. INCONSISTENCIES ON THE STRUCTURAL DRAWINGS OR BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER CONTRACT, SHOP, FABRICATION, OR OTHER DRAWINGS OR INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH AFFECTED WORK.
12. DO NOT SCALE THESE DRAWINGS, USE THE DIMENSIONS SHOWN.

CONCRETE:

1. SUBMIT WRITTEN REPORTS OF EACH PROPOSED CONCRETE DESIGN MIX NOT LESS THAN 15 DAYS PRIOR TO THE START OF WORK. DESIGN MIXES PREPARED MORE THAN TWELVE (12) MONTHS PRIOR TO THE DATE THE SUBMITTAL ARE NOT PERMITTED.
2. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-14).
3. ALL CONCRETE SHALL BE TESTED BY AN INDEPENDENT TESTING AGENCY FOR STANDARD PARAMETERS (SLUMP, COMPRESSIVE STRENGTH, ETC.). TWO COPIES OF ALL REPORTS SHALL BE SUBMITTED TO THE ENGINEER/ARCHITECT.
4. ALL NORMAL WEIGHT CONCRETE SHALL HAVE ASTM C-33 AGGREGATE WITH MAXIMUM UNIT WEIGHT OF 150 PCF. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 PSI AT 28 DAYS, MINIMUM FOR FOUNDATIONS AND SLABS ON GRADE. ALL CONCRETE FOR FLOOR SLABS ON METAL DECK FORMS SHALL BE NORMAL WEIGHT CONCRETE WITH COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
5. MIX DESIGNS, INCLUDING WATER/CEMENT RATIOS AND SLUMPS, SHALL BE PREPARED IN ACCORDANCE WITH MOST CURRENT ACI 301 CHAPTER 3, EXCEPT WHERE NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS. CEMENT SHALL CONFORM TO ASTM C 150 TYPE I OR AT CONTRACTOR'S OPTION, ASTM C 595 TYPE II IF WHERE FLY ASH IS PERMITTED. NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C 33 AGGREGATE WITH MAXIMUM UNIT WEIGHT OF 150 PCF AND LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C 330 AGGREGATE. NO ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL BE PERMITTED IN ANY CONCRETE.

AGGREGATE SIZES SHALL BE:	
I. FORMED CONCRETE ELEMENTS, UNO.	#1 STONE (3/4" MAX)
II. GRADE SLABS AND EARTH FORMED ELEMENTS.	#1 STONE (1" MAX)
III. COARSE MASONRY GROUT REQUIRED	#1 STONE (3/4" MAX)
IV. FINE MASONRY GROUT REQUIRED	#5 STONE (3/8" MAX)
6. WATER REDUCING ADMIXTURE SHALL BE USED IN ALL CONCRETE.
7. AIR ENTRAINING ADMIXTURE IN ACCORDANCE WITH ACI 301-84 TABLE 3.4.1 SHALL BE USED IN ALL CONCRETE EXPOSED TO FREEZING AND THAWING DURING CONSTRUCTION OR SERVICE CONDITIONS.
8. WATER/CEMENT RATIO SHALL NOT EXCEED 0.45 FOR ANY CONCRETE SUBJECTED TO FREEZING/THAWING.
9. ALL PUMPED CONCRETE SHALL HAVE A WATER/CEMENT RATIO LESS THAN 0.45 AND SHALL CONTAIN A HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).
10. IN NO CASE SHALL A WATER/CEMENT RATIO EXCEED THE FOLLOWING:

I. ALL FOUNDATION CONCRETE to 3000 psi	0.55 MAX. W/C RATIO
II. EXTERIOR PAVING CONCRETE to 3500 psi	0.50 MAX. W/C RATIO
III. ALL EXPOSED C/J.P. WATERABLE, PIERS, ETC., to 3500 psi	0.45 MAX. W/C RATIO
III. SLABS ON GRADE to 3000 psi	0.45 MAX. W/C RATIO
11. LIQUID MEMBRANE CURING COMPOUND WITH A MINIMUM 30% SOLIDS CONTENT SHALL BE APPLIED WITHIN TWO (2) HOURS AFTER COMPLETION OF FINISHING TO ALL CONCRETE FLATWORK AND WALLS, UNO, OTHER THAN FOOTINGS AND GRADE BEAMS.
12. FLOORS IN AREAS RECEIVING QUARRY TILE, CERAMIC TILE AND LIQUID FLOOR HARDENER SHALL BE CURED WITH DISPERGING LIQUID MEMBRANE CURING COMPOUND OR WET CURED BY USE OF MOISTURE RETAINING COVER. DISPERGING CURING COMPOUND SHALL BE THOROUGHLY BROOMED AND WASHED OFF PRIOR TO APPLICATION OF FLOOR FINISH.
13. USE A NON-CORROSIVE, NON-CHLORIDE ACCELERATING ADMIXTURE IN CONCRETE EXPOSED TO TEMPERATURES BELOW 40 DEGREES. UNIFORMITY HEAT THE WATER AND AGGREGATES TO A TEMPERATURE OF NOT LESS THAN 50 DEGREES. PLACE AND CURE CONCRETE IN ACCORDANCE WITH ACI 306.
14. ALL CONSTRUCTION JOINTS SHOWN ON THE DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE UNLESS THEIR ELIMINATION IS APPROVED BY THE STRUCTURAL ENGINEER.
15. REINFORCING IN ALL ABUTTING CONCRETE, INCLUDING FOOTINGS, SHALL BE CONTINUOUS THROUGH OR AROUND ALL CORNERS OR INTERSECTIONS. DOUELS OR SPICES SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ABUTTING MEMBERS.
16. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIPS, REGLETS, WASHES, MASONRY ANCHORS, BRICK LEDGE ELEVATIONS, SLAB DEPRESSIONS AND MISCELLANEOUS EMBEDDED PLATES, BOLTS, ANCHORS, ANGLES, ETC.
17. FORMS FOR ROUND COLUMNS SHALL BE ONE PIECE FIBERGLASS FORM TO PRODUCE A SMOOTH FINISH ON EXPOSED COLUMNS.
18. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301.
19. BASE PLATES, ANCHOR RODS, SUPPORT ANGLE AND OTHER STEEL EXPOSED TO EARTH OR GRANULAR FILL SHALL BE COVERED WITH A MINIMUM OF 3" OF CONCRETE.
20. FINISHING TOLERANCE SHALL BE WITHIN CLASS B IN ACCORDANCE WITH ACI 301 AND CONSIDERATION SHALL BE GIVEN TO SEQUENCING OF CONCRETE PLACEMENT TO FACILITATE CONTROL OF FINISH ELEVATIONS.
21. NON-SHRINK GROUT SHALL BE PRE-MIXED, NON-CORROSIVE, NON-METALLIC, NON-STAINING CONTAINING SILICA SANDS, PORTLAND CEMENT, SHRINKAGE COMPENSATING AND WATER REDUCING AGENTS. PRODUCTS SHALL ONLY REQUIRE THE ADDITION OF WATER. MINIMUM COMPRESSIVE STRENGTH SHALL BE 5000 PSI AFTER ONE DAY AND 10000 PSI AFTER 28 DAYS. GROUT SHALL BE FREE OF GAS PRODUCING OR AIR RELEASING AND OXIDIZING AGENTS AND CONTAIN NO CORROSIVE IRON, ALUMINUM OR GYPSUM.
22. PROVIDE CONCRETE GROUT - NOT MORTAR - FOR REINFORCING MASONRY LINTEL AND BOND BEAMS WHERE INDICATED ON DRAWINGS OR AS SCHEDULED.
23. TOLERANCE FOR ANCHOR RODS AND OTHER EMBEDDED ITEMS SHALL BE PER THE AISI CODE OF STANDARD PRACTICE SECTION 13.
24. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL COLUMN, WALL, SLAB, OR BEAM EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.

BRICK VENEER - STEEL STUD WALLS:

1. AIR SPACE:

a. 2 in (51 mm) MINIMUM AIR SPACE RECOMMENDED ± 1 in (25.4 mm) MINIMUM AIR SPACE REQUIRED.
b. 4 1/2 in (114 mm) MAXIMUM DISTANCE REQUIRED BETWEEN BACK OF BRICK VENEER AND STEEL FRAMING UNLESS ANCHORS ARE RATIONALLY DESIGNED.
2. FLASHING:

a. DO NOT STOP FLASHING BEHIND FACE OF THE BRICKWORK.
b. PLACE FLASHING AT ALL JOINTS WHERE AIR SPACE IS INTERRUPTED.
c. EXTEND FLASHING VERTICALLY UP THE BACKING TO 8 in (203 mm) MINIMUM HEIGHT.
d. LAP FLASHINGS 4 in (102 mm) MINIMUM HEIGHT UNDER WATER-RESISTANT BARRIER OR BEHIND SHEATHING ABOVE GRADE.
e. INSTALL BASE FLASHING MINIMUM 6 in (152 mm) ABOVE GRADE.
f. TURN UP FLASHING ENDS INTO HEAD JOINT A MINIMUM OF 1 in (25.4 mm) FOR FORM END DAM.
3. WEEPS:

a. OPEN HEAD JOINT WEEPS SPACED AT NO MORE THAN 24 in (610 mm) O.C. RECOMMENDED.
b. MOST BUILDING CODES PERMIT WEEPS NO LESS THAN 3/16" in (4.8 mm) DIAMETER AND SPACED NO MORE THAN 33 in (838 mm) O.C.
c. WICK AND TUBE WEEP SPACING RECOMMENDED AT NO MORE THAN 16 in (406 mm) O.C.
4. ANCHORS:

a. CORRUGATED ANCHORS NOT PERMITTED WITH STEEL STUD BLOCKING.
b. MINIMUM 1/16" (1.6 mm) ADJUSTABLE WIRE ANCHORS, HOT-DIPPED GALVANIZED, TWO PIECE PER ASTM A193 CLASS B-2.
c. VERTICAL SPACING: MAXIMUM 16 in (406 mm) O.C.
d. HORIZONTAL SPACING: MAXIMUM 24 in (610 mm) O.C.
e. SECURELY ATTACH ANCHORS TO THE STEEL STUDS THROUGH THE SHEATHING, NOT THE SHEATHING ALONE.
5. SHELF ANGLES AND LINTELS:

a. SHELF ANGLES LOCATED ABOVE THE HEIGHT LIMIT MAY SUPPORT NO MORE THAN 1 STORY OF BRICK.
b. SIZE HORIZONTAL LEG OF ALL SHELF ANGLES AND LINTELS TO PROVIDE A MINIMUM BEARING OF 2/3 THICKNESS OF THE BRICK WYTHE.
6. SHEATHING:

a. EXTERIOR GRADE GYPSUM SHEATHING OR OSB OR GLASS FIBER MAT-FACED SHEATHING OR CEMENT BOARD, MINIMUM 1/2 in (12.7 mm) THICK.

7. WATER-RESISTANT BARRIER:

a. WATER-RESISTANT BARRIERS INCLUDE 15 ASPHALT FELT, BUILDING PAPER, QUALIFYING HIGH-DENSITY POLYETHYLENE OR POLYPROPYLENE PLASTICS (HOUSEWRAPS).
b. INSTALL WATER-RESISTANT BARRIER OVER SHEATHING.
c. SEAL WATER-RESISTANT SHEATHING PER MANUFACTURER TO PERFORM AS WATER-RESISTANT BARRIER.
d. SHIP LAP WATER-RESISTANT BARRIER PIECES MINIMUM 6 in (152 mm).
8. STEEL STUDS:

a. GALVANIZED STEEL STUDS WITH MINIMUM G-90 COATING.
b. RESTRICT ALLOWABLE OUT-OF-PLANE DEFLECTION OF STEEL STUDS TO L/600 USING SERVICE LEVEL LOADS.
c. MINIMUM 0.043 in (1.0 gauge ± 1.0 mm) STUDS FOR EXTERIOR WALLS.
d. DO NOT FIELD WELD STEEL STUDS.
9. MORTAR:

a. COMPLY WITH ASTM C210.
b. TYPE N RECOMMENDED ± TYPE S ALTERNATE.
10. EXPANSION JOINTS:

a. PROVIDE VERTICAL AND HORIZONTAL EXPANSION JOINTS THROUGH BRICK VENEER.

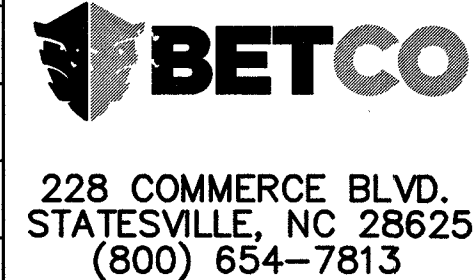
BRICK LINTEL SCHEDULE	
MAX OPENING WIDTH	STEEL ANGLE
4'-0"	L 3" x 3 1/2" x 1/4" LLH
6'-0"	L 4" x 3 1/2" x 1/4" LLV
8'-0"	L 5" x 3 1/2" x 1/4" LLV
10'-0"	L 6" x 3 1/2" x 5/16" LLV
12'-0"	L 7" x 4" x 3/8" LLV
14'-0"	L 7" x 4" x 3/8" LLV

NOTES:
1. PROVIDE 8" MINIMUM BEARING.
2. ALL EXPOSED LINTELS TO BE HOT DIP GALVANIZED.
3. ABOVE SCHEDULE FOR LOOSE LINTELS. (NOT BY BETCO)

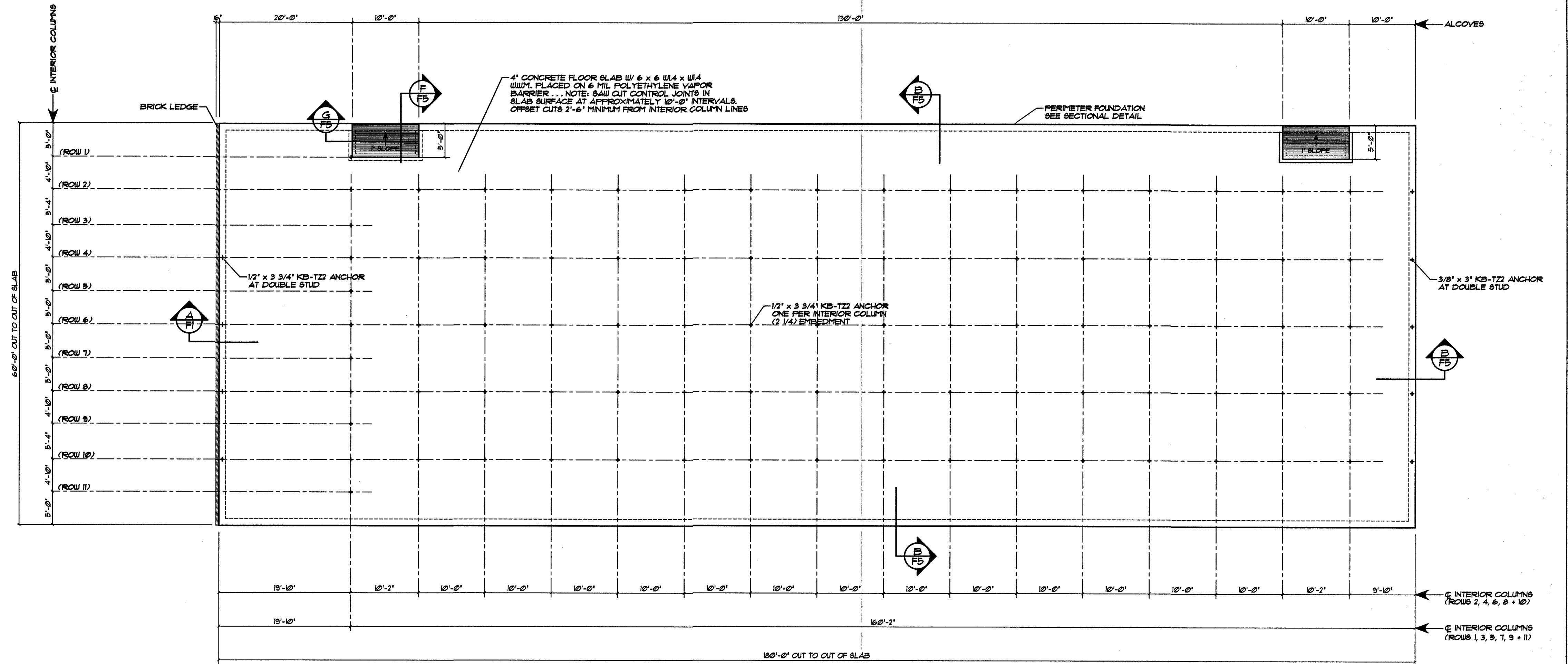
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			DATE: 12/9/24
			DRAWN BY: R. KEATH
			SCALE: AS NOTED
			APPROVED BY:
REVISIONS	DATE	BY	



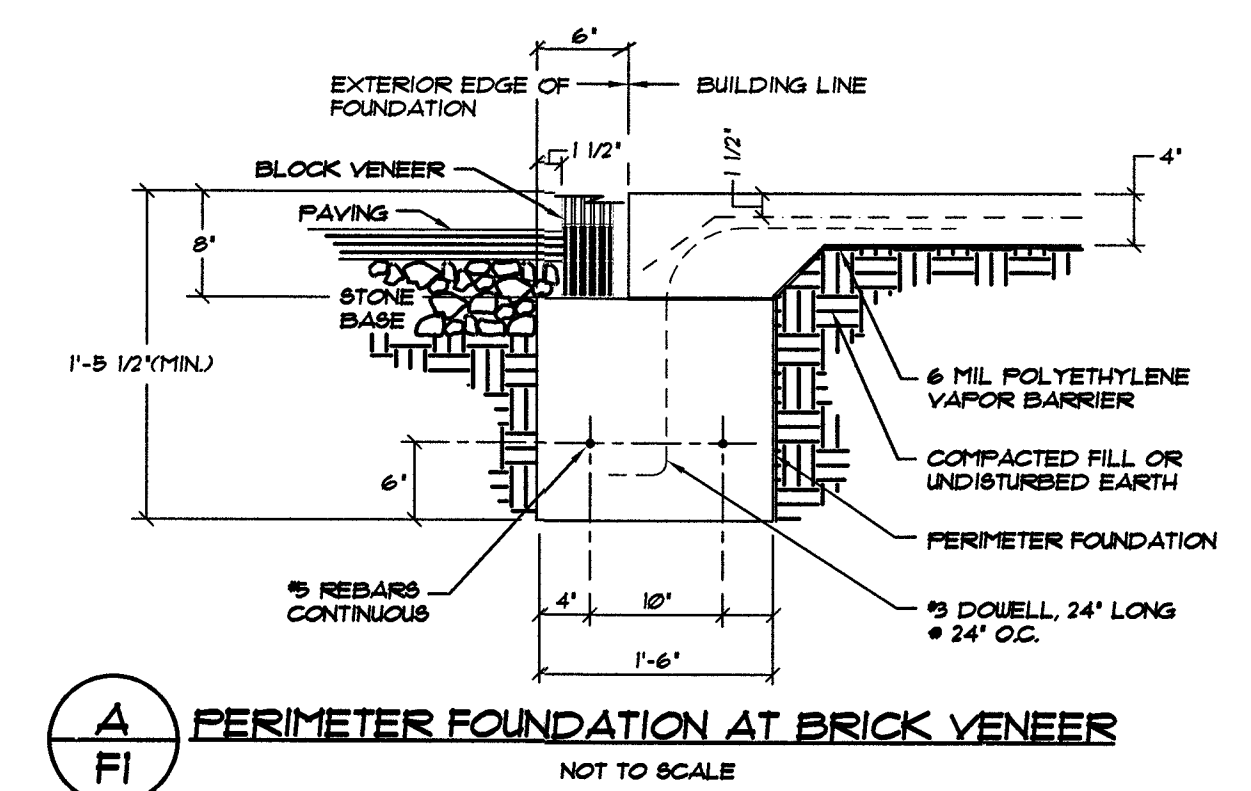
PROJECT NAME: HWY 42 STORE ALL	
PROJECT ADDRESS: HOLLY SPRINGS, NORTH CAROLINA	
OWNER: F & S LAND DEVELOPMENT LLC.	PROJECT NO.: NC24204
SHEET TITLE: BUILDING NOTES	DRAWING NUMBER: CS2 of 4



FOUNDATION PLAN... BUILDING "I"

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

SAW CUT CONTROL JOINTS IN SLAB SURFACE AT APPROXIMATELY 10'-0" INTERVALS . . . OFFSET CUTS 2'-6" MINIMUM FROM INTERIOR COLUMN LINES.



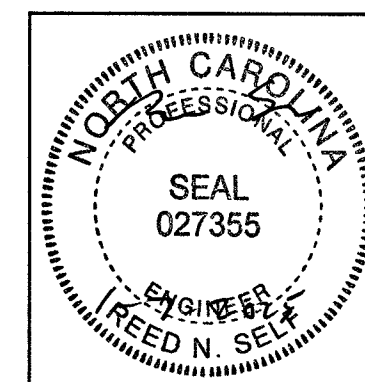
PERIMETER FOUNDATION AT BRICK VENEER
NOT TO SCALE

ACI 318 - TABLE 19.3.1.1 EXPOSURE CATEGORIES AND CLASSES				
CATEGORY	SEVERITY	CLASS	CONDITION	
F FREEZING AND THAWING	NOT APPLICABLE	FO	CONCRETE NOT EXPOSED TO FREEZING- AND-THAWING CYCLES	
S SULFATE	NOT APPLICABLE	SO	WATER-SOLUBLE SULFATE (SO ₄) IN SOIL, PERCENT BY WEIGHT	DISSOLVED SULFATE (SO ₄) IN WATER, ppm
			SO ₄ < 0.10	SO ₄ < 150
W REQUIRING LOW PERMEABILITY	NOT APPLICABLE	WO	CONCRETE DRY IN SERVICE, CONCRETE IN CONTACT WITH WATER AND LOW PERMEABILITY IS NOT REQUIRED	
C CORROSION PROTECTION OF REINFORCEMENT	MODERATE	C1	CONCRETE EXPOSED TO MOISTURE BUT NOT TO EXTERNAL SOURCES OF CHLORIDES	

NOTE: ABOVE REPRESENTS "ASSUMED" CONDITIONS BY ENGINEER. IF CONTRACTOR KNOWS OR HAS REASON TO BELIEVE OTHERWISE, ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CONSTRUCTION.
REFERENCE ACI 318-14 - TABLE 19.3.1.1 FOR REQUIREMENTS FOR CONCRETE BY EXPOSURE CLASS.

NOTE:
KB-T2Z ANCHORS ARE PROVIDED BY BETCO.
EMBEDDED ANCHOR BOLTS IN SLAB ARE
NOT REQUIRED BY BUYER.

NOTE TO OWNER / CONTRACTOR:
DO NOT CUT SAW JOINTS ALONG COLUMN LINES.
DOING SO WILL REDUCE THE STRUCTURAL CAPACITY
OF THE BUILDING ANCHORAGE TO THE CONCRETE AND
MAY RESULT IN ADDITIONAL MATERIAL AND LABOR
CHARGES. SAW CUTS MUST BE OFFSET 2'-6" MINIMUM
FROM COLUMN LINES.

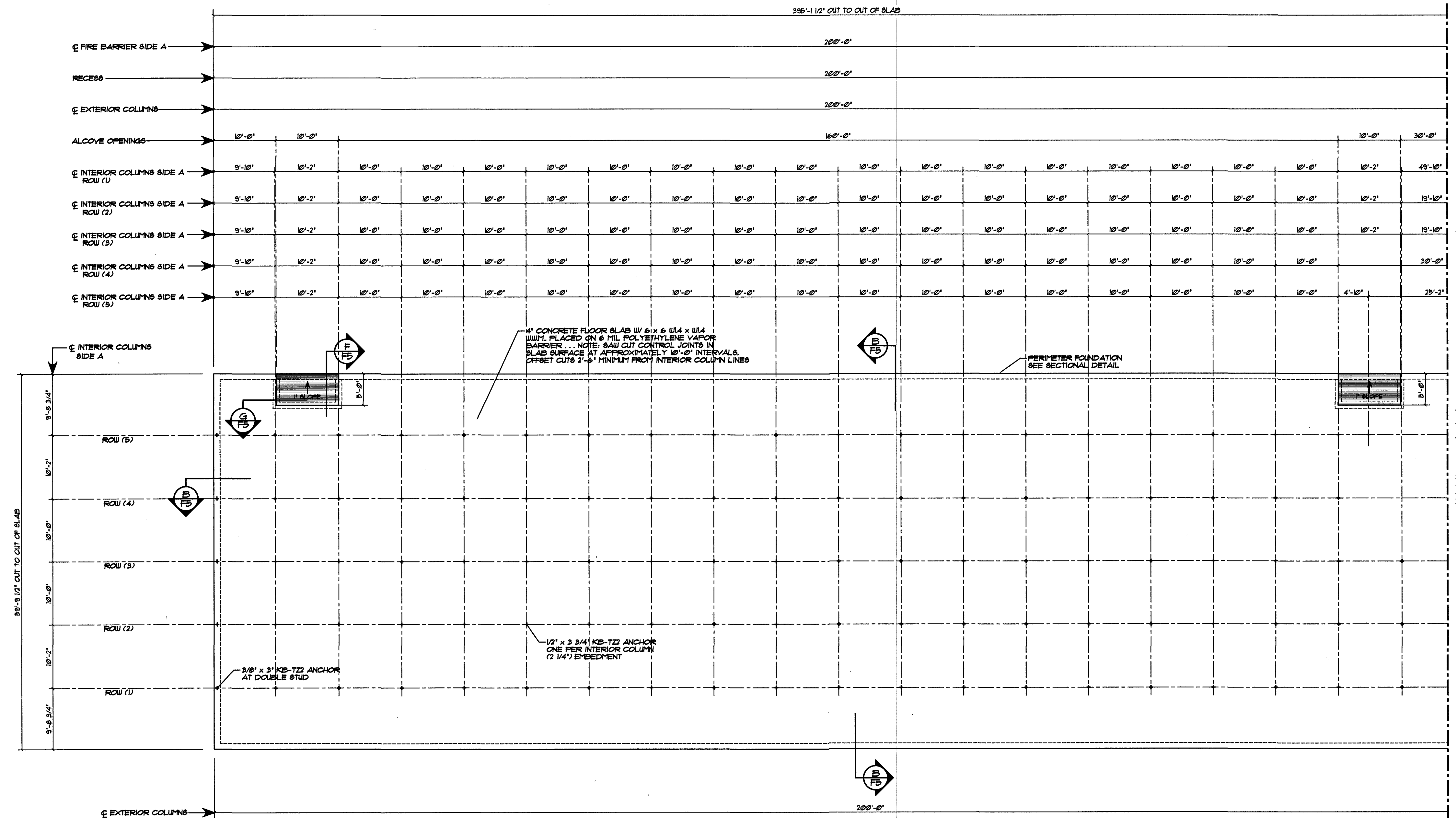


DATE:	12/9/2024
DRAWN BY:	R. KEATH
SCALE:	AS NOTED
APPROVED BY:	
REVISIONS	DATE BY

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(800)654-7813

PROJECT NAME: HWY 42 STORE ALL		PROJECT NO.:	NC24204
PROJECT ADDRESS: HOLLY SPRINGS, NORTH CAROLINA		OWNER:	F & S LAND DEVELOPMENT LLC
SHEET TITLE: FOUNDATION PLAN, DETAIL & NOTES - BUILDING "I"		DRAWING NUMBER:	F1 of 5

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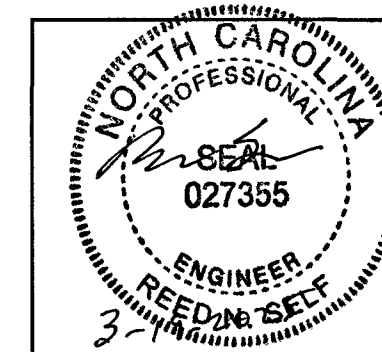
FOUNDATION PLAN ... BUILDING '2A'

SCALE: 1/8" = 1'-0" OR 1/4" = 1'-0"

SAW CUT CONTROL JOINTS IN SLAB SURFACE AT APPROXIMATELY 10'-0" INTERVALS ... OFFSET CUTS 2'-6" MINIMUM FROM INTERIOR COLUMN LINES.

NOTE:
KB-TZ ANCHORS ARE PROVIDED BY BETCO.
EMBEDDED ANCHOR BOLTS IN SLAB ARE
NOT REQUIRED BY BUYER.

NOTE TO OWNER / CONTRACTOR:
DO NOT CUT SAW JOINTS ALONG COLUMN LINES.
DOING SO WILL REDUCE THE STRUCTURAL CAPACITY
OF THE BUILDING ANCHORAGE TO THE CONCRETE AND
MAY RESULT IN ADDITIONAL MATERIAL AND LABOR
CHARGES. SAW CUTS MUST BE OFFSET 2'-6" MINIMUM
FROM COLUMN LINES.

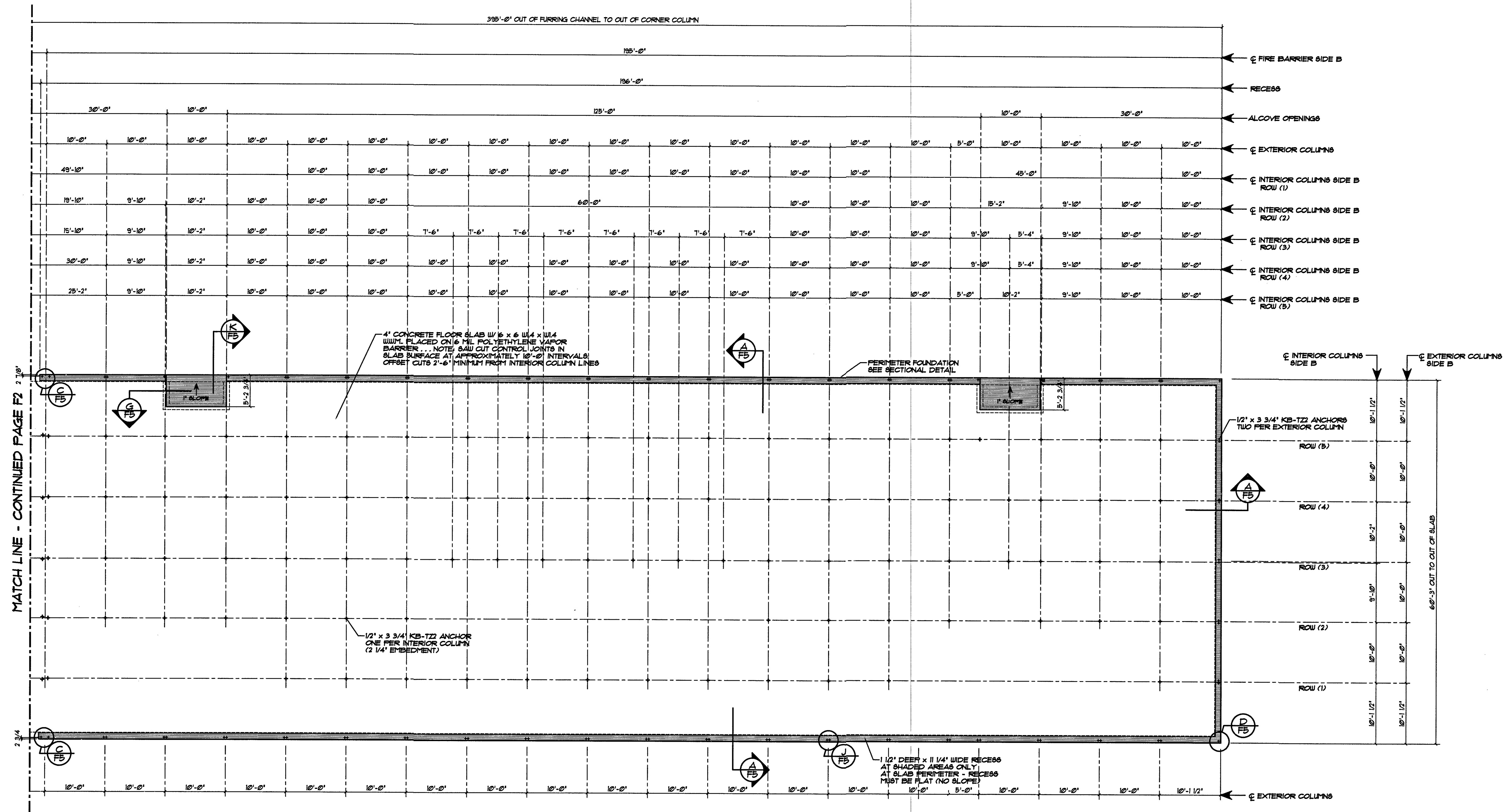


DATE:	12/9/2024
DRAWN BY:	R. KEATH
SCALE:	AS NOTED
APPROVED BY:	
REVISIONS	DATE BY
ADJUSTED DIMENSIONS	3/14/25 KEM

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(800)654-7813

PROJECT NAME:	HWY 42 STORE ALL
PROJECT ADDRESS:	HOLLY SPRINGS, NORTH CAROLINA
OWNER:	F & S LAND DEVELOPMENT LLC
PROJECT NO.:	NC24204
SHEET TITLE:	FOUNDATION PLAN & NOTES - BUILDING "2"
DRAWING NUMBER:	F2 OF 5

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FOUNDATION PLAN... BUILDING '2B'

SCALE: 1/8" = 1'-0" OR 1/8" = 10'-0"

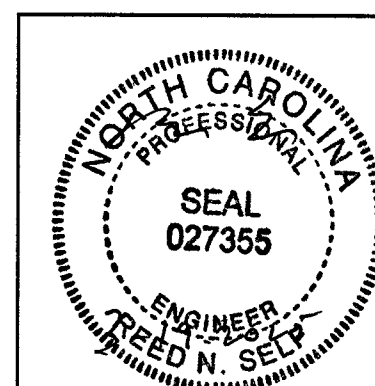
SAW CUT CONTROL JOINTS IN SLAB SURFACE AT APPROXIMATELY 10'-0" INTERVALS... OFFSET CUTS 2'-6" MINIMUM FROM INTERIOR COLUMN LINES.

NOTE:
KB-T22 ANCHORS ARE PROVIDED BY BETCO.
EMBEDDED ANCHOR BOLTS IN SLAB ARE
NOT REQUIRED BY BUYER.

NOTE TO OWNER / CONTRACTOR:
DO NOT CUT SAW JOINTS ALONG COLUMN LINES.
DOING SO WILL REDUCE THE STRUCTURAL CAPACITY
OF THE BUILDING ANCHORAGE TO THE CONCRETE AND
MAY RESULT IN ADDITIONAL MATERIAL AND LABOR
CHARGES. SAW CUTS MUST BE OFFSET 2'-6" MINIMUM
FROM COLUMN LINES.

NOTE:
FIELD LOCATE WEDGE ANCHORS AT
3 HOUR FIRE BARRIER.

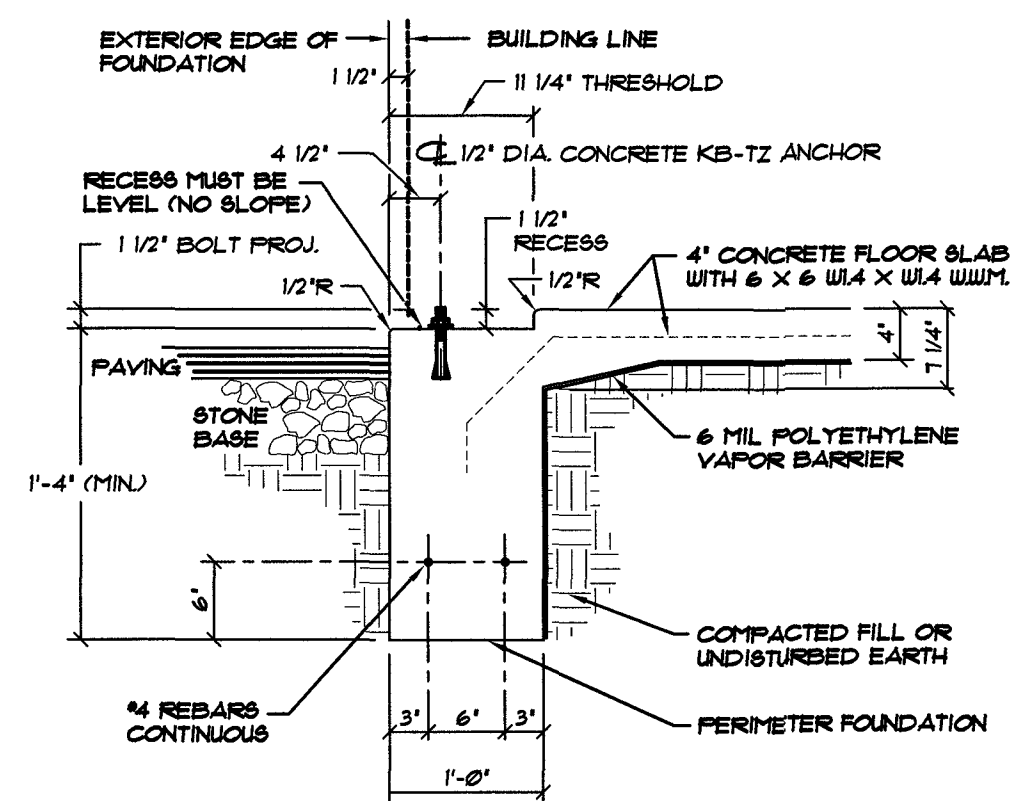
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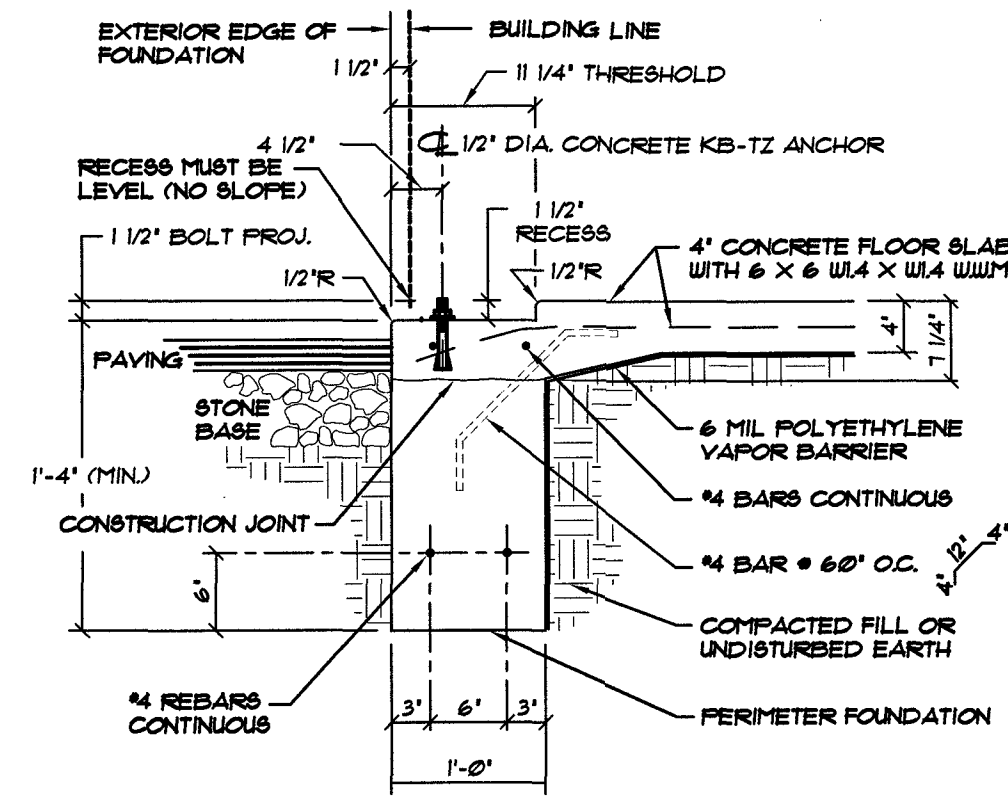
EQUATION				
	ADJUSTED DIMENSIONS	3/14/25	KE1	
	REVISIONS	DATE	BY	

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(800)654-7813

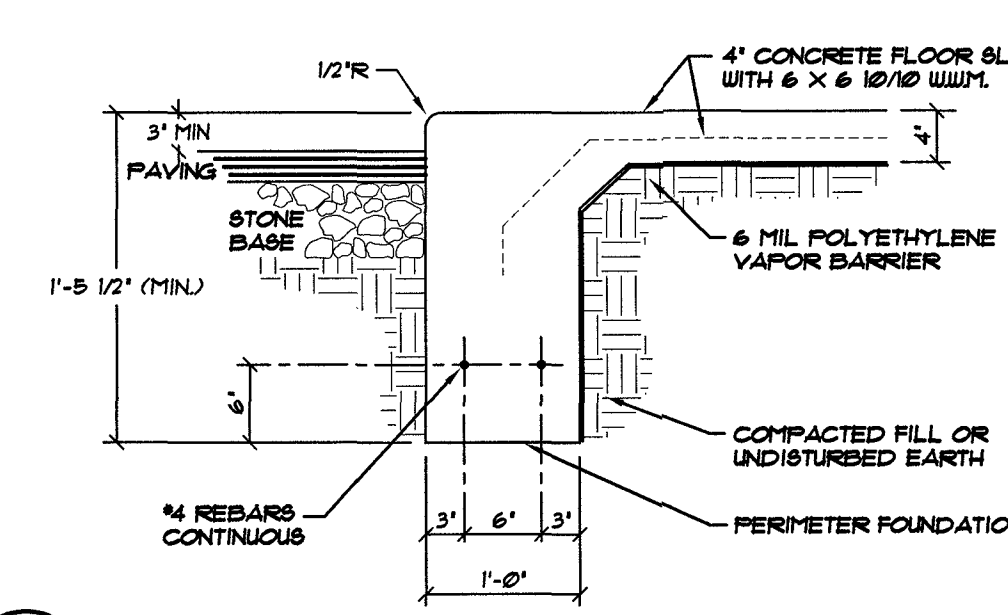
PROJECT NAME:	HWY 42 STORE ALL	
PROJECT ADDRESS:	HOLLY SPRINGS, NORTH CAROLINA	
OWNER:	F & S LAND DEVELOPMENT LLC	PROJECT NO.: NC24204
SHEET TITLE:	FOUNDATION PLAN & NOTES - BUILDING "2"	DRAWING NUMBER: F3 OF 5



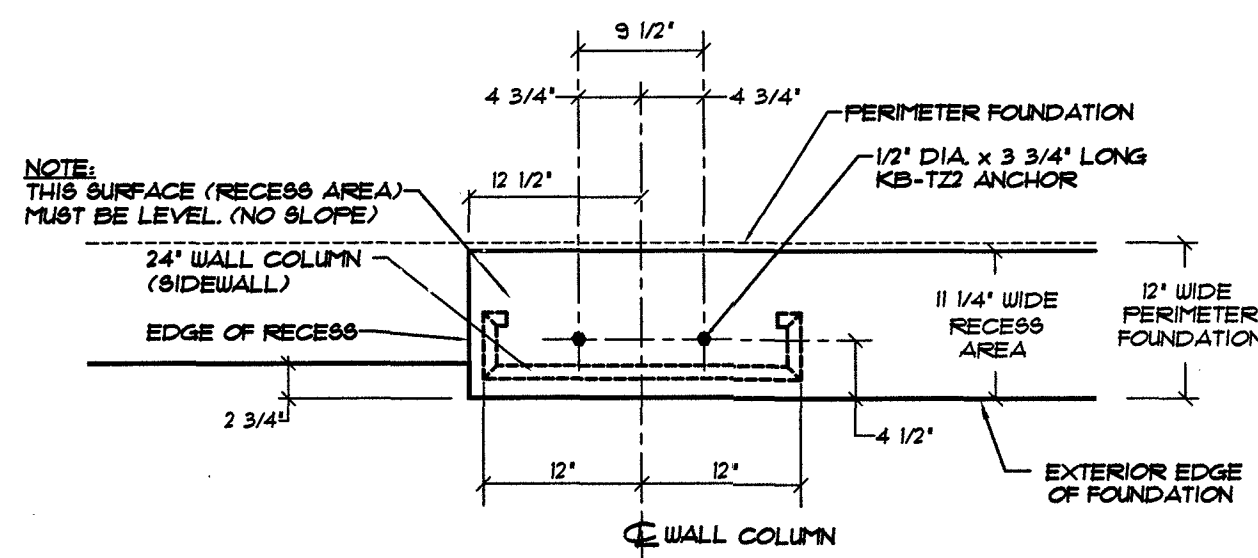
A TYPICAL PERIMETER FOUNDATION SECTION
(MONOLITHIC CONCRETE PLACEMENT)
NOT TO SCALE



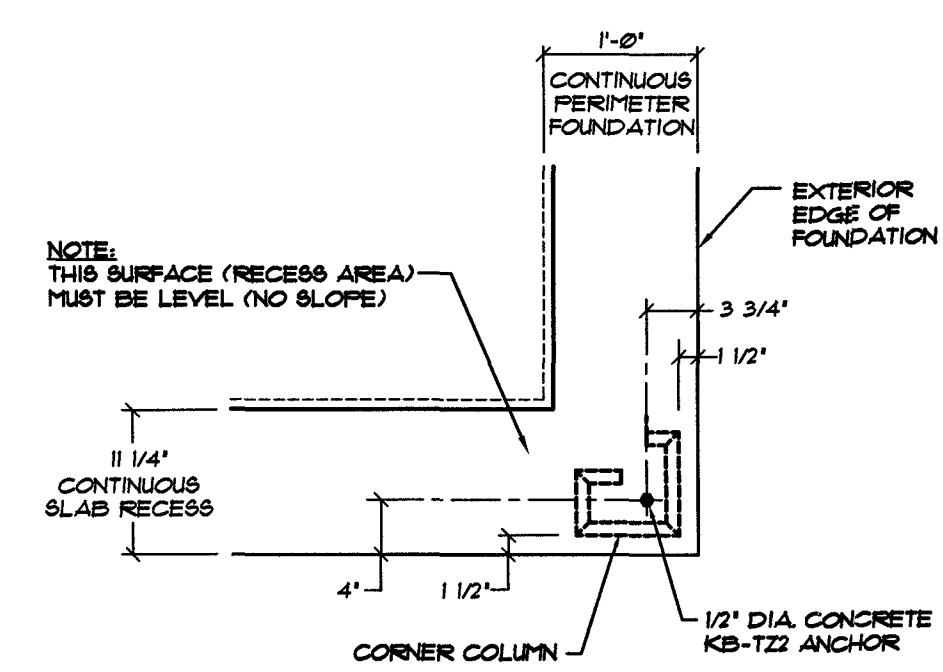
A ALTERNATE PERIMETER FOUNDATION SECTION
(TWO STAGE CONCRETE PLACEMENT)
NOT TO SCALE



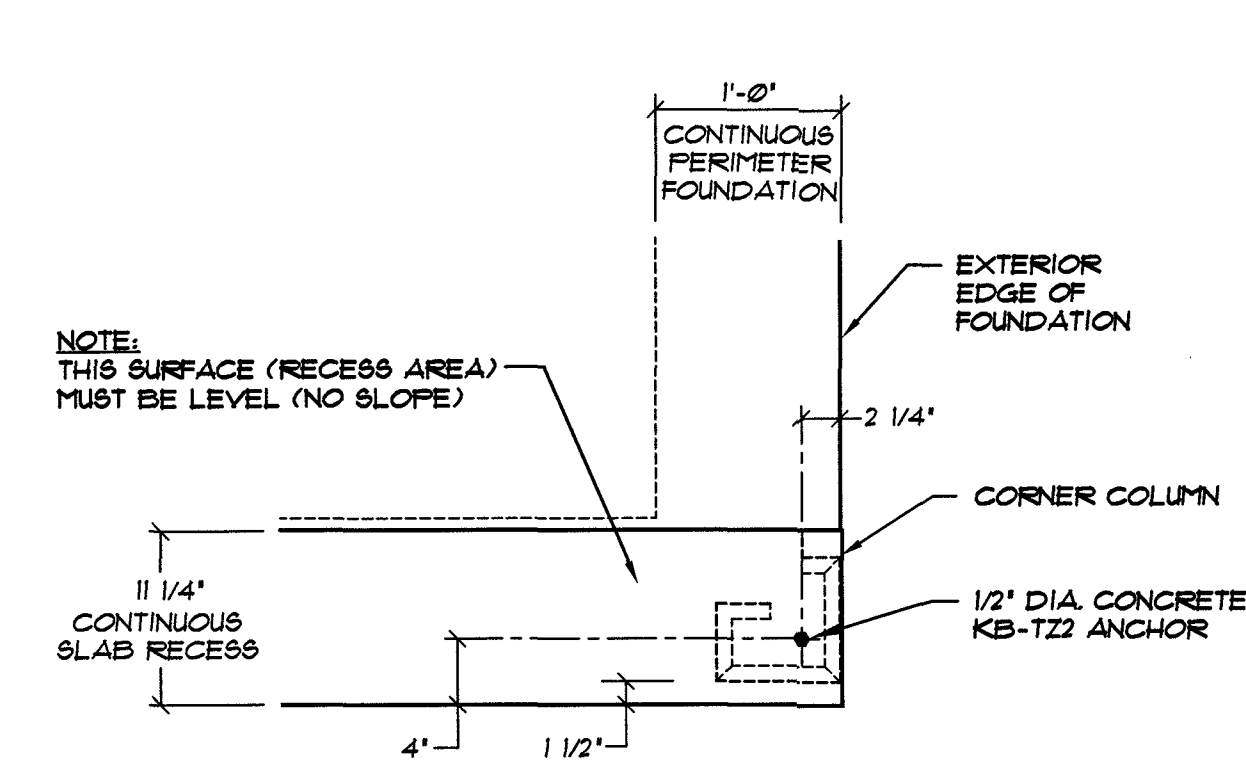
B PERIMETER FOUNDATION SECTION
AT EXTERIOR STUDWALL
(MONOLITHIC CONCRETE PLACEMENT)
NOT TO SCALE



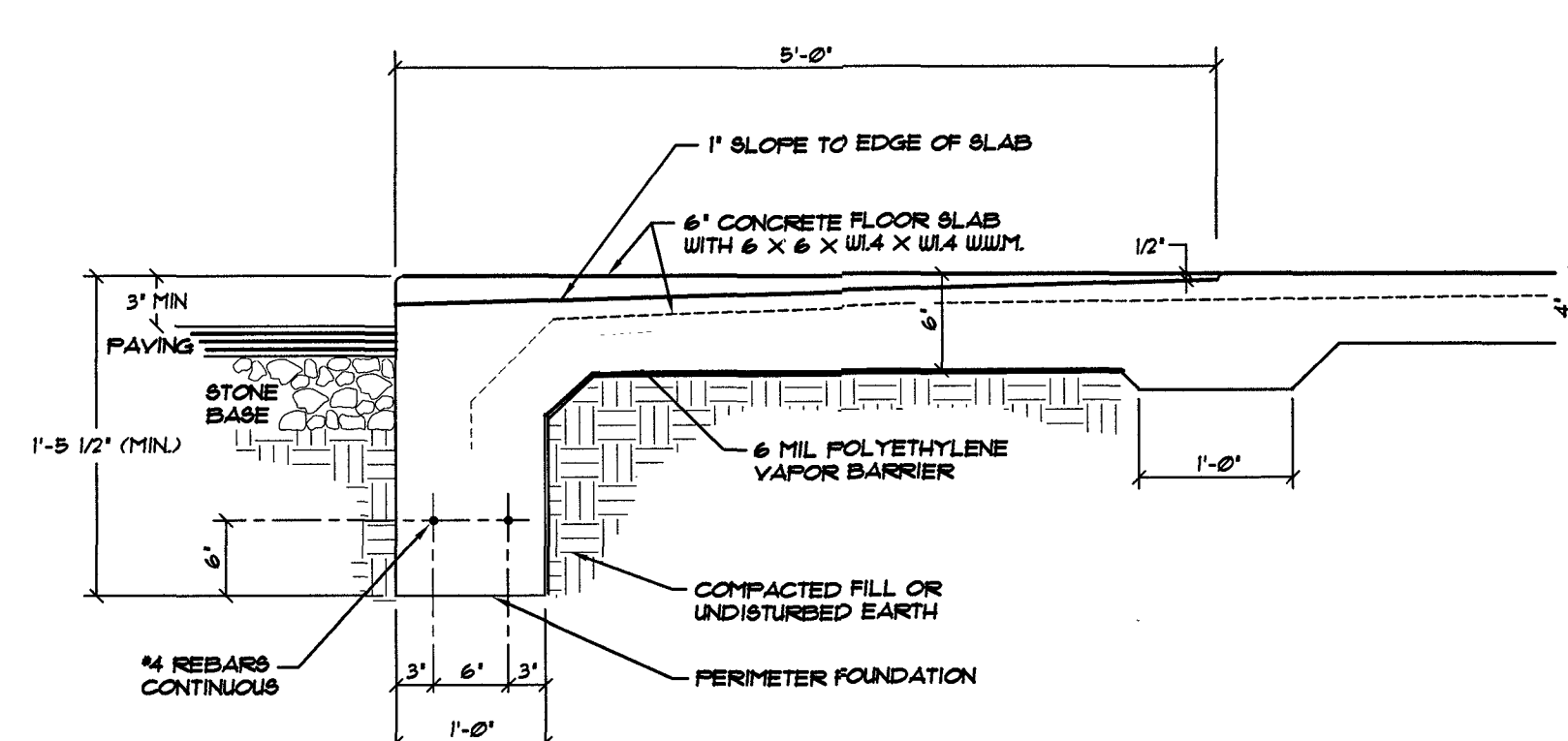
C RECESS AT WALL COLUMN AND STUDWALL
NOT TO SCALE



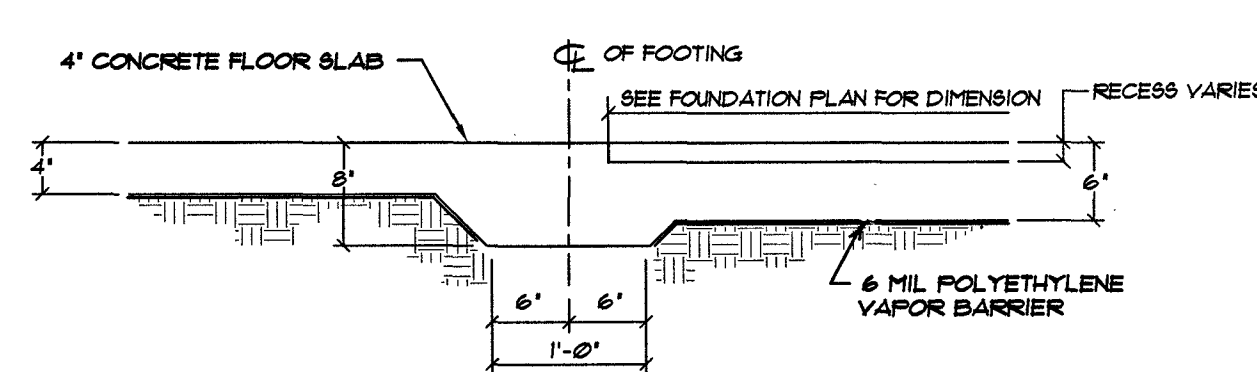
D TYPICAL CORNER KB-TZ ANCHORS
NOT TO SCALE



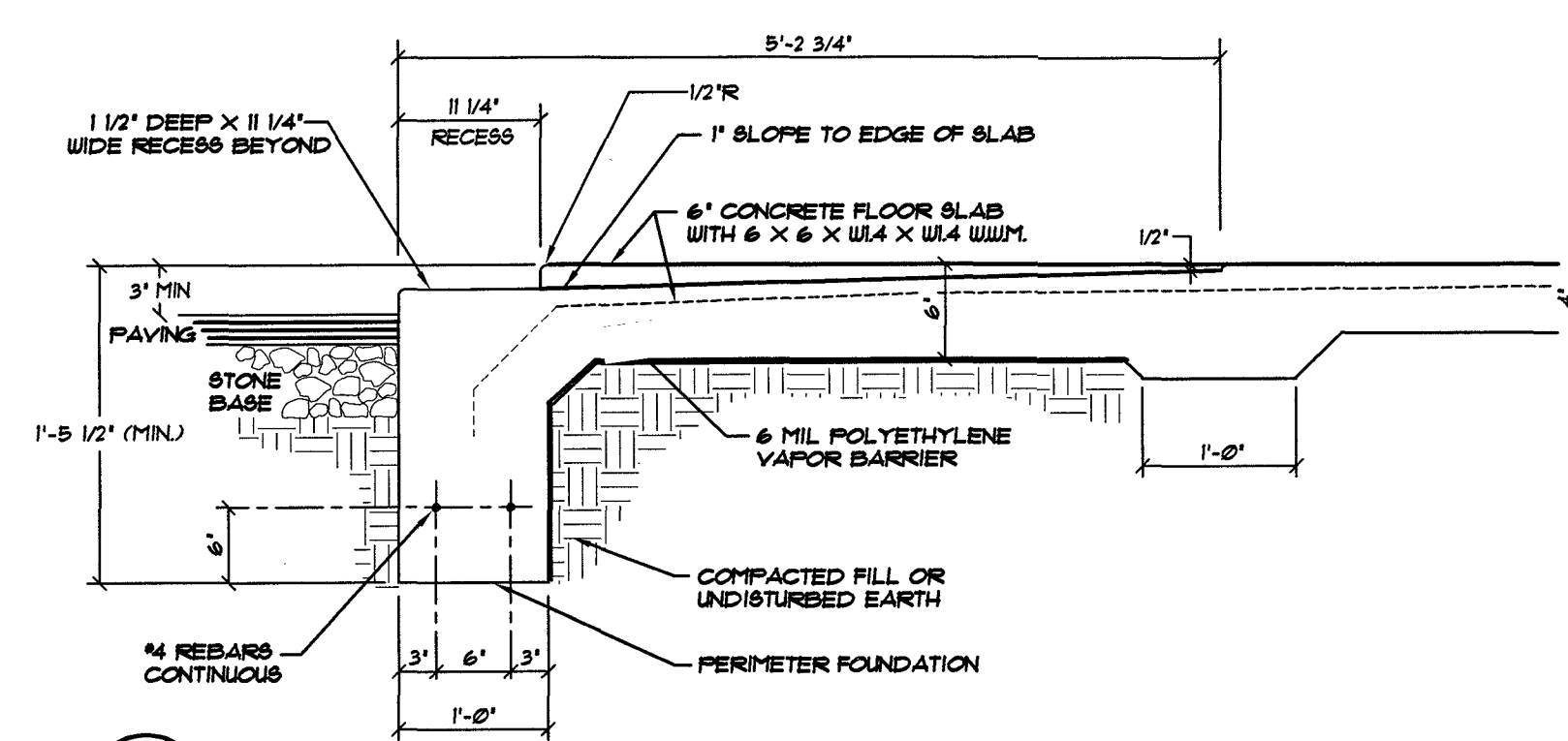
E CORNER KB-TZ ANCHORS AT STUDWALL
NOT TO SCALE



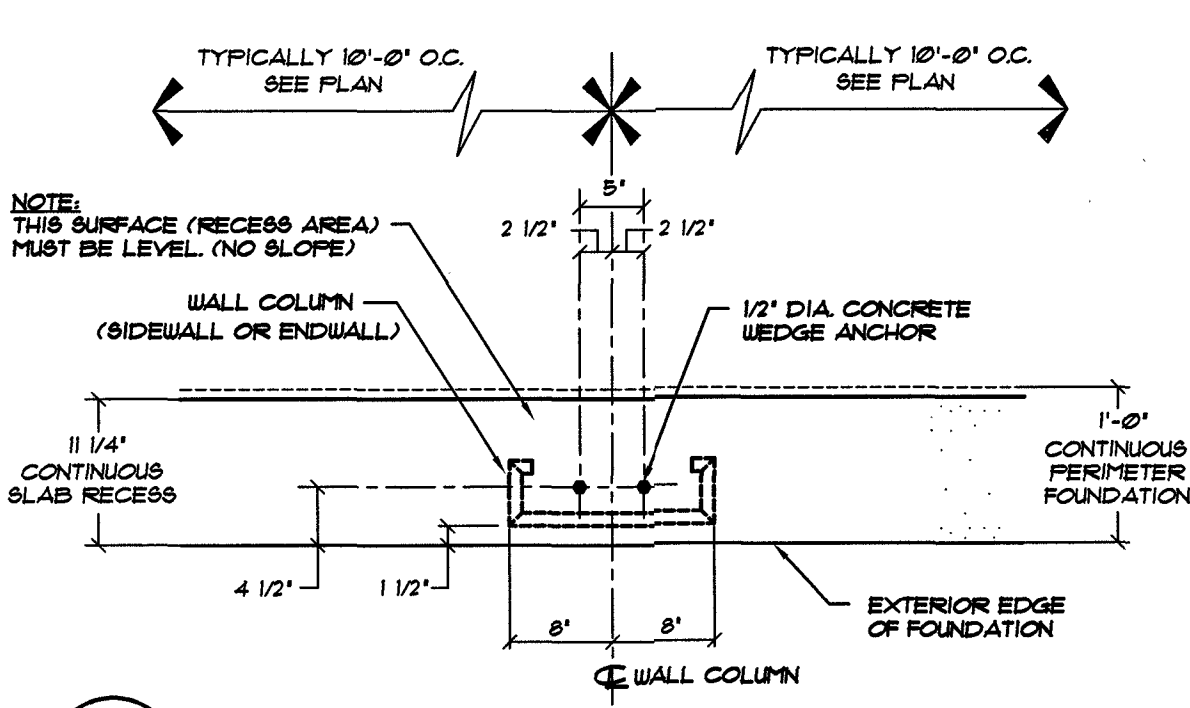
F PERIMETER FOUNDATION SECTION
AT 5'-0" ALCOVE AREAS
(MONOLITHIC CONCRETE PLACEMENT)
NOT TO SCALE



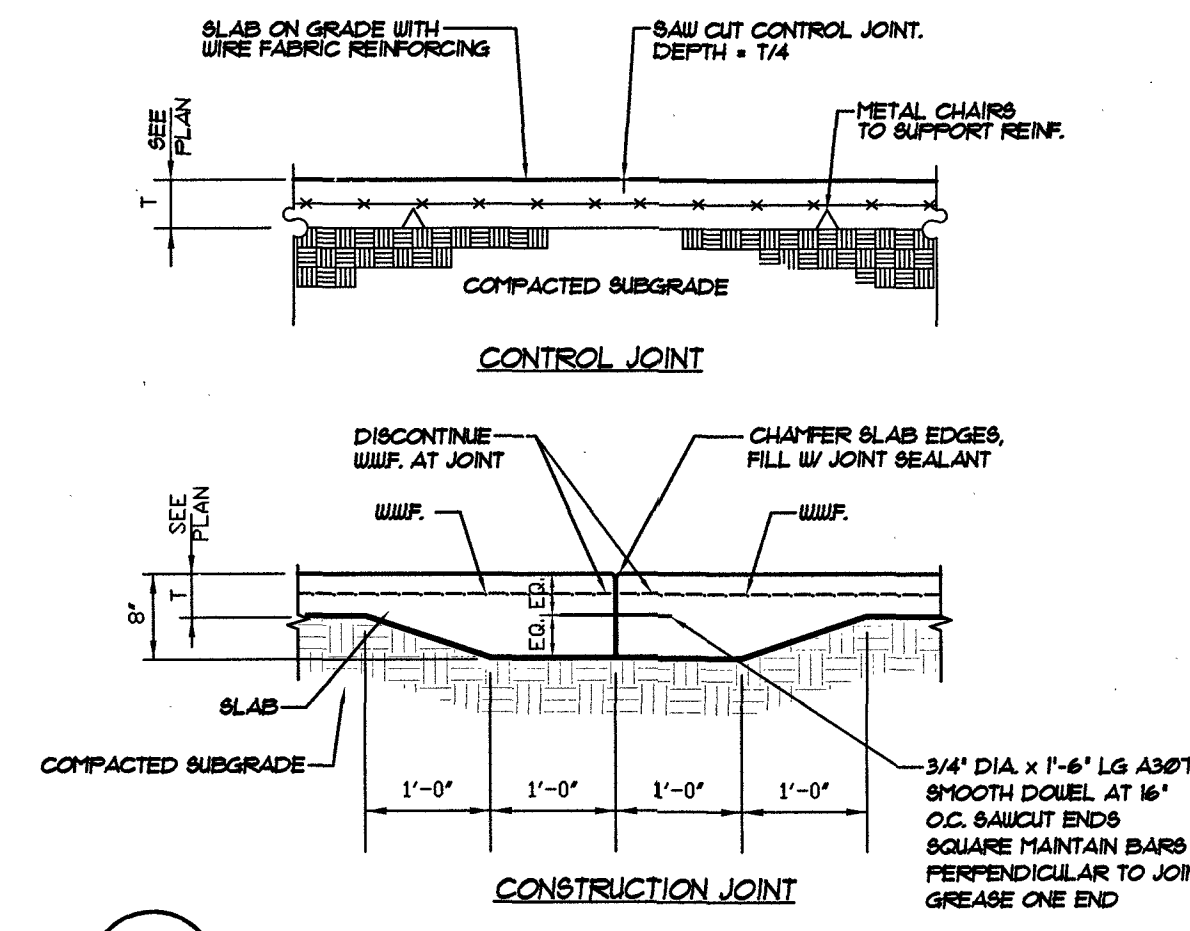
G CONTINUOUS THICKENED SLAB SECTION
NOT TO SCALE



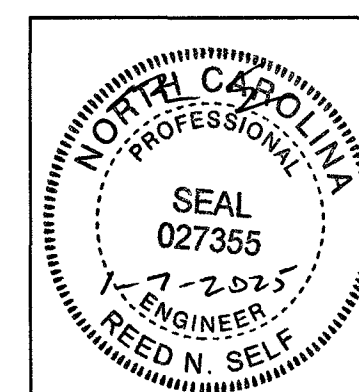
K PERIMETER FOUNDATION SECTION
AT 5'-0" ALCOVE AREAS
(MONOLITHIC CONCRETE PLACEMENT)
NOT TO SCALE



J TYPICAL WALL COLUMN WEDGE ANCHORS
NOT TO SCALE



H CONTROL JOINT & CONSTRUCTION
JOINT IN CONCRETE SLAB
NOT TO SCALE



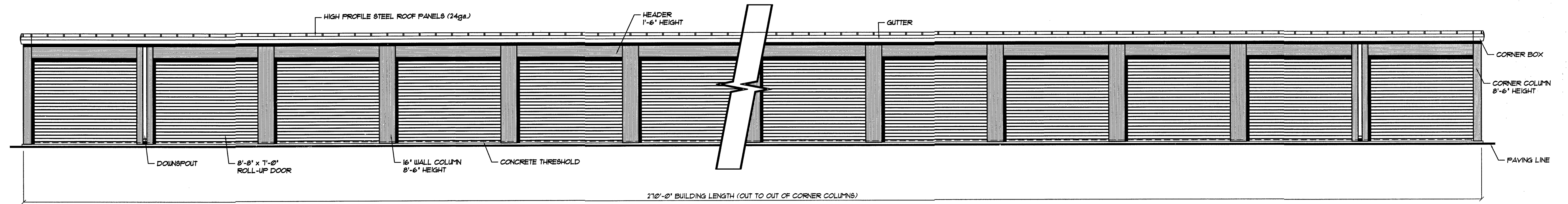
REVISIONS	DATE	BY

DATE: 12/9/2024
DRAWN BY: R. KEATH
SCALE: AS NOTED
APPROVED BY:

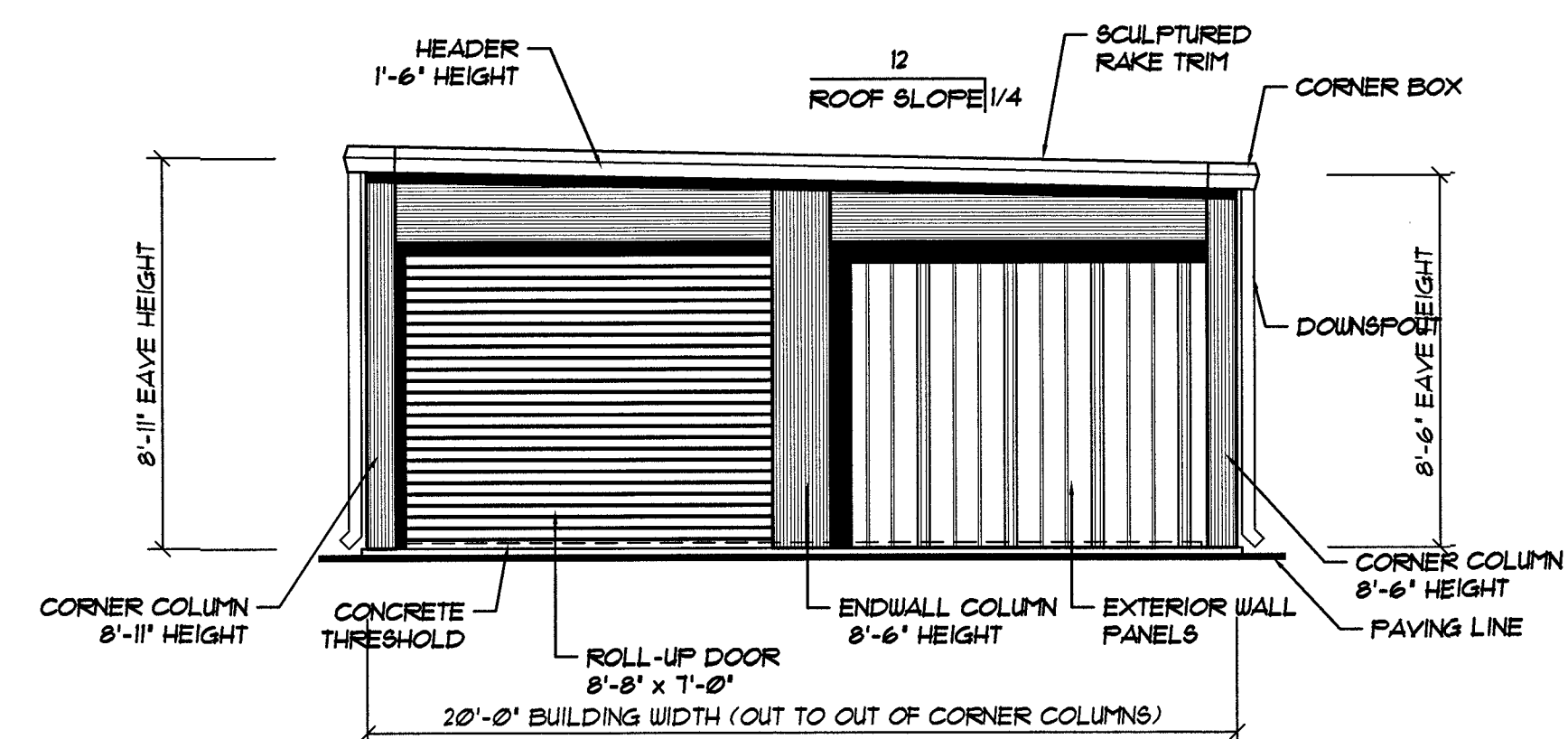


PROJECT NAME: HWY 42 STORE ALL	PROJECT NO.: NC24204
PROJECT ADDRESS: HOLLY SPRINGS, NORTH CAROLINA	DRAWING NUMBER: F5 OF 5
OWNER: F & S LAND DEVELOPMENT	
SHEET TITLE: FOUNDATION DETAILS LLC	

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A SIDEWALL ELEVATION ... BUILDING "3"
 S1 SCALE: 1/4" = 1'-0"

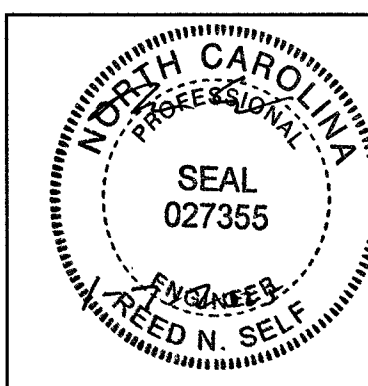


B ENDWALL ELEVATION ... BUILDING "3"
 S1 SCALE: 1/4" = 1'-0"

NOTE:
 DOWNSPOUTS LOCATIONS SHOWN FOR
 ELEVATION PURPOSE ONLY. REFER
 TO FLOOR PLAN SHEETS FOR LOCATIONS

NOTE: ... SEE OWNER FOR
 BUILDING ORIENTATION ON SITE

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REVISIONS	
DATE	BY

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 228 COMMERCE BLVD.
 STATESVILLE, NC 28625
 (800) 654-7813

PROJECT NAME:	HWY 42 STORE ALL		
PROJECT ADDRESS:	HOLLY SPRINGS, NORTH CAROLINA		
OWNER:	F & S LAND DEVELOPMENT LLC.	PROJECT NO.:	NC24204
SHEET TITLE:	ELEVATIONS & NOTES BUILDING "3"	DRAWING NUMBER:	S1 OF 8

1 EXTERIOR STUDIWALL CONSTRUCTION • FLAT SLAB:

- 3 5/8" x 1 5/8" FLANGE METAL STUDS @ 24" O.C. - 20ga.
- 3 5/8" CONTINUOUS CEILING TRACK - 18ga.
- (SECURE FLOOR TRACK w/ 3/8" x 3" KB-TZ ANCHORS (2" MIN. EMBEDMENT) @ 30" O.C. MAX.)
- 2 ROUS CONTINUOUS 20ga. FURRING CHANNELS
- PRE-PAINTED EXTERIOR 236A WALL PANELS
- WALL PANEL BASE SUPPORT
- DRAIN CAP (#160202)
- 4" THICK FIBERGLASS INSULATION
- 4 MIL POLYETHYLENE VAPOR BARRIER
- *-230 LINER PANELS • INTERIOR (ATTACH EACH PANEL TO BASE 4 TOP TRACK WITH 4 EACH 1/2" x 5/8" SDF'S)
- *-J-TRIM • TOP OF LINER PANELS

5 EXTERIOR STUDIWALL CONSTRUCTION • HVAC INSET/ALCOVE:

- 3 5/8" x 1 5/8" FLANGE METAL STUDS @ 24" O.C. - 20ga.
- 3 5/8" CONTINUOUS CEILING TRACK - 18ga.
- 3 5/8" CONTINUOUS FLOOR TRACK - 18ga.
- (SECURE FLOOR TRACK w/ 3/8" x 3" KB-TZ ANCHORS (2" MIN. EMBEDMENT) @ 30" O.C. MAX.)
- 3 ROUS CONTINUOUS 20ga. FURRING CHANNELS
- PRE-PAINTED EXTERIOR 236A WALL PANELS
- DRAIN CAP (#160202)
- 4" THICK FIBERGLASS INSULATION
- 4 MIL POLYETHYLENE VAPOR BARRIER
- *-230 LINER PANELS • INTERIOR (ATTACH EACH PANEL TO BASE 4 TOP TRACK WITH 4 EACH 1/2" x 5/8" SDF'S)
- *-J-TRIM • TOP OF LINER PANELS

13 INTERIOR STUDIWALL CONSTRUCTION

- 3 5/8" x 1 5/8" FLANGE METAL STUDS @ 24" O.C. - 20ga.
- 3 5/8" CONTINUOUS FLOOR AND CEILING TRACK - 18 ga.
- (SECURE FLOOR TRACK w/ 3/8" x 3" KB-TZ ANCHORS @ 30" O.C.)
- *-230 LINER PANELS • STORAGE SIDE (ATTACH EACH PANEL AT BASE AND TOP w/ (4) EACH 1/2" SDF'S)

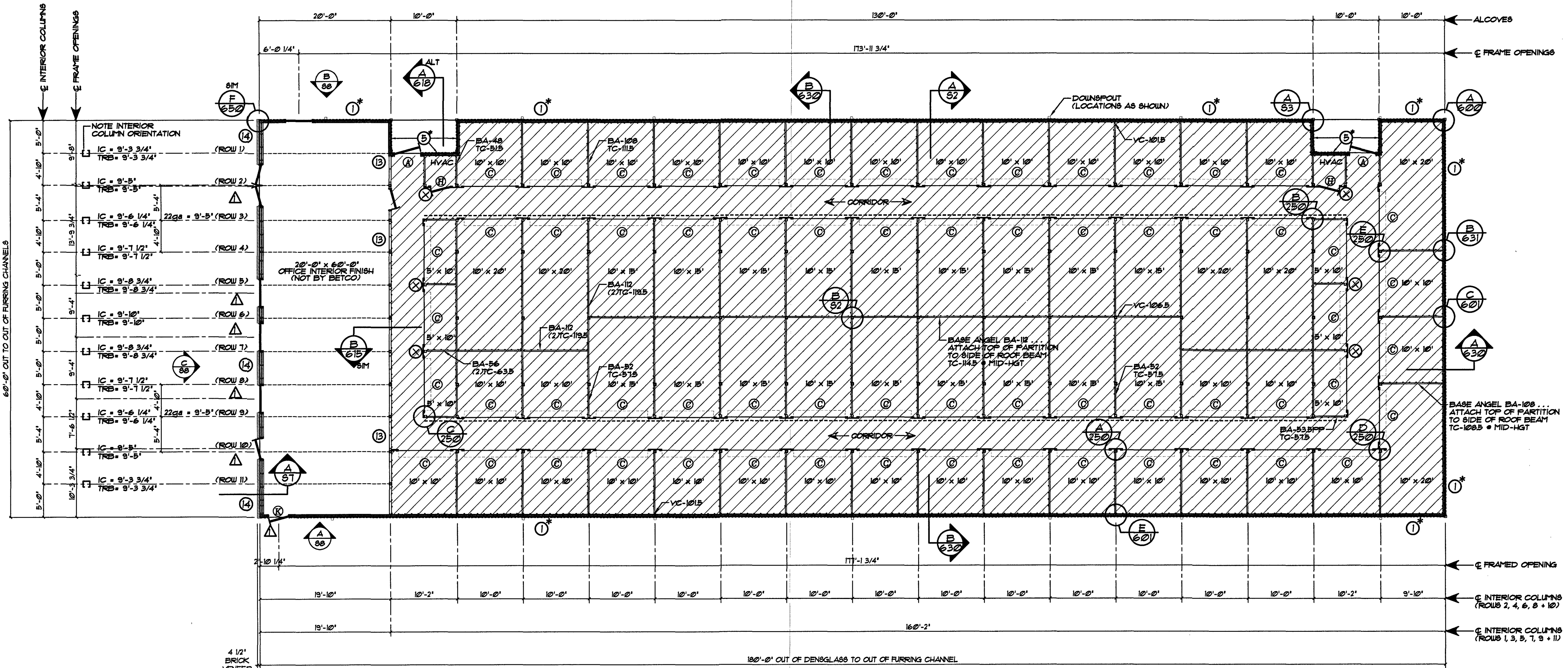
14 EXTERIOR STUDIWALL CONSTRUCTION • BRICK VENEER:

- 5 1/2" x 2" FLANGE METAL STUDS @ 24" O.C. - 18ga.
- 6" CONTINUOUS FLOOR AND CEILING TRACK - 18 ga.
- (SECURE FLOOR TRACK w/ 3/8" x 3" KB-TZ ANCHORS @ 30" O.C.)
- DOUBLE STUD AT ENDWALL (TYPICAL AT ALL ROOF BEAM LOCATIONS)
- HORIZONTAL 136 PANELS • EXTERIOR
- BRICK VENEER AND BRICK TIES NOT BY BETCO
- BLOCK STUDS AS SHOWN ON DETAIL C-80
- 236A PANELS AT BACK OF PARAPET
- 20ga. FURRING CHANNELS AT BACK OF PARAPET (2 ROUS)
- *-6" THICK FIBERGLASS INSULATION (NOT BY BETCO)
- *-4 MIL VAPOR BARRIER (NOT BY BETCO)
- INTERIOR FINISH (NOT BY BETCO)

NOTE: GENERAL STUDIWALL CONSTRUCTION:

- A) -ATTACH STUDS w/ 1/2" x 5/8" SDF'S EACH SIDE OF TRACK (4 PER STUD)
- B) -WALLS MUST EXTEND FROM ROOF TO FLOOR DECK AND INTO WALL COLUMN CAVITY.
- C) -TOP TRACK MUST FOLLOW SLOPE OF ROOF LINE.

KEY TO ABBREVIATIONS:
IC - ENDWALL COLUMN
IC - INTERIOR COLUMN
TB - TOP OF BEAM
BA - BASE ANGLE
TC - TOP CHANNEL
VC - VERTICAL CHANNEL



FLOOR PLAN... BUILDING "1"

SCALE: 1" = 10'-0"

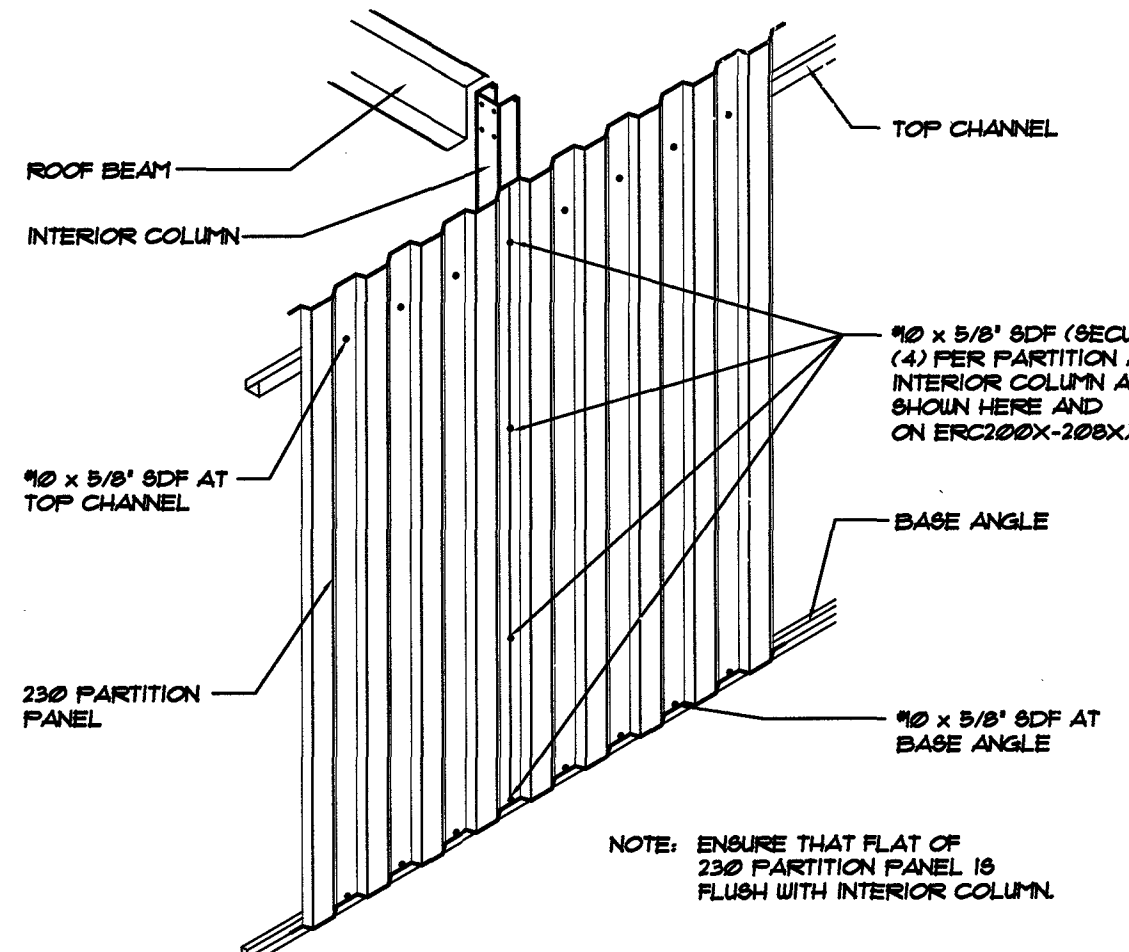
NOTE COLUMN ORIENTATION
• CORRIDORS PARALLEL TO ROOF BEAMS

LEGEND:

(X) 22ga. INTERIOR COLUMN

(---) 22 ga. INTERIOR DOOR STRUCTURE

(Hatched) CLIMATE CONTROL



B PARTITION ATTACHMENT
• INTERIOR COLUMNS

NOT TO SCALE

NOTES:

- 6" ROOF INSULATION (R-19) INCLUDED AT ENTIRETY OF BUILDING "1".
- 4" WALL INSULATION (R-19) INCLUDED AT STUD WALL OF BUILDING "1".
- 4" x 5" KICK-OUT DOWNSPOUTS ARE INCLUDED.
- CORRIDOR WIDTH WILL BE A MINIMUM OF APPROXIMATELY 56" FROM FACE TO FACE OF DOOR JAMBS.
- ATTACH ALL STUDS TO TRACKS WITH 1/2" x 5/8" SDF (4 PER STUD).
- BURGULAR BARS ARE PROVIDED ABOVE INTERIOR ROLL-UP DOORS AS REQUIRED.
- INTERIOR DOOR FRAMES AND PARTITIONS AT HALLWAYS ARE PREPAINTED.
- ALL PERSONNEL DOORS ARE GLOBAL AND INCLUDE LOCK-OFF TYPE CLOSERS.
- ALL ROLL-UP DOORS ARE BY BETCO & INCLUDE TENSION ADJUSTERS & BEARINGS.
- SECURE INTERIOR PARTITION TO INTERIOR COLUMNS WITH (4) 1/2" x 5/8" SDF'S AS SHOWN ON ERC200X - ERC200X.
- INTERIOR DOOR JAMBS INCLUDE PARTITION CLOSURE ANGLES.
- NOTE FOR INTERIOR BEARING STUDWALLS: (SECURE BOTTOM TRACK w/ 3/8" x 3" KB-TZ ANCHORS (2" MIN. EMBEDMENT @ 30" O.C. MAXIMUM))
- NOTE FOR ALL EXTERIOR STUDWALLS: (SECURE FLOOR TRACK w/ 3/8" x 3" KB-TZ ANCHORS (2" MIN. EMBEDMENT @ 30" O.C. MAXIMUM))

NOTE:
SEE ERC602X FOR EXTERIOR SWING DOOR FRAMING IN STUDWALL.

NOTE:
UNIT SIZES SHOWN ARE NOMINAL. ACTUAL CLEAR DIMENSIONS INSIDE UNITS MAY VARY ACCORDING TO FINAL DESIGN OF COMPONENTS.

NOTE:
20ft. ROOF BEAMS ARE 3' x 12' x 12ga. ZEE'S.

STUDWALL LEGEND BUILDING #1

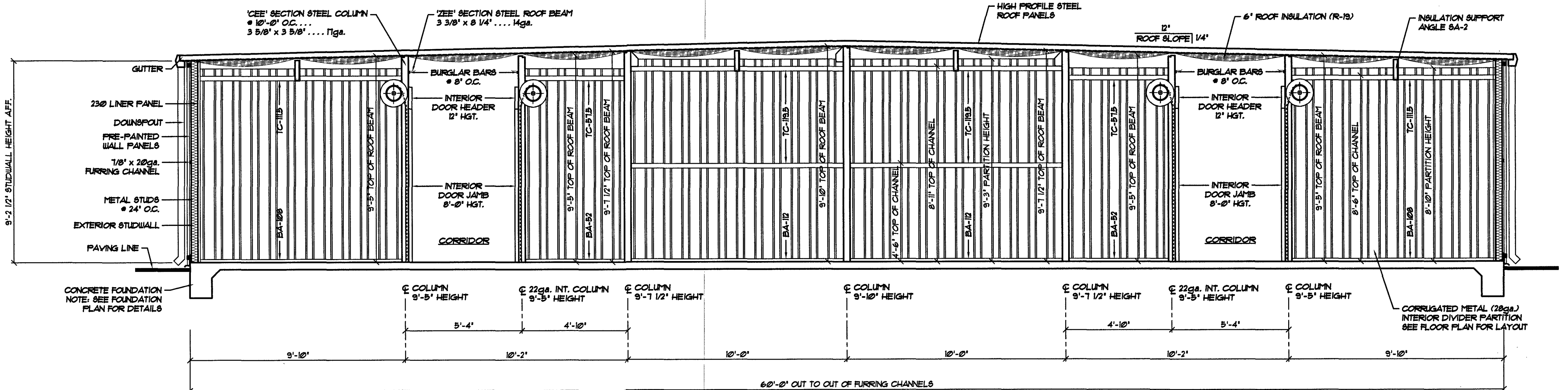
DESCRIPTION	UNINSULATED	INSULATED*
1 EXTERIOR STUDIWALL CONSTRUCTION AT FLAT SLAB (BLOCK • MID-HGT.)	0 L.F.	400 L.F.
5 EXTERIOR STUDIWALL CONSTRUCTION AT HVAC (BLOCK • MID-HGT.)	0 L.F.	40 L.F.
13 NON-LOAD BEARING STUDIWALL	55 L.F.	0 L.F.
14 PARAPET STUDIWALL w/ BLOCK VENEER	0 L.F.	60 L.F.

NOTE #1: SEE BLOCKING DETAIL A/631 ON ERC631X

JAMB	ROLL-UP HEADER	SWING DOOR HEADER
8'-0"	12'	10 1/2'

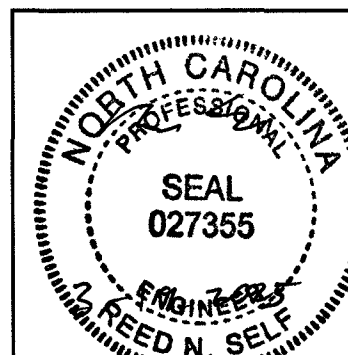
ID	DOOR SIZE	TYPE
A	4'-0" x 7'-0" (4070 - 2 - G) (ERC254X)	1/2 GLASS PERSONNEL
B	3'-0" x 7'-0"	INTERIOR ROLL-UP
C	8'-0" x 7'-0"	INTERIOR ROLL-UP
D	5'-6" x 7'-0"	INTERIOR ROLL-UP
E	3'-8" x 7'-10"	EXTERIOR ROLL-UP
F	8'-8" x 7'-10"	EXTERIOR ROLL-UP
G	8'-4" x 7'-10"	EXTERIOR ROLL-UP
H	3'-0" x 7'-0" w/ LOUVER	INTERIOR SWING DOOR
I	4'-0" x 7'-0" (4070 - 1 - A) (ERC254X)	A-LABEL FIRE DOOR
J	3'-0" x 7'-0" (3070 - 1) (ERC254X)	SOLID PERSONNEL

NOTE: BLOCK ALL LOAD-BEARING INTERIOR & EXTERIOR STUD WALLS AS SHOWN IN DETAIL A OF ERC631X



A 60'-0" WIDE CROSS SECTION... BUILDING "1"

SCALE: 3" = 10'-0"



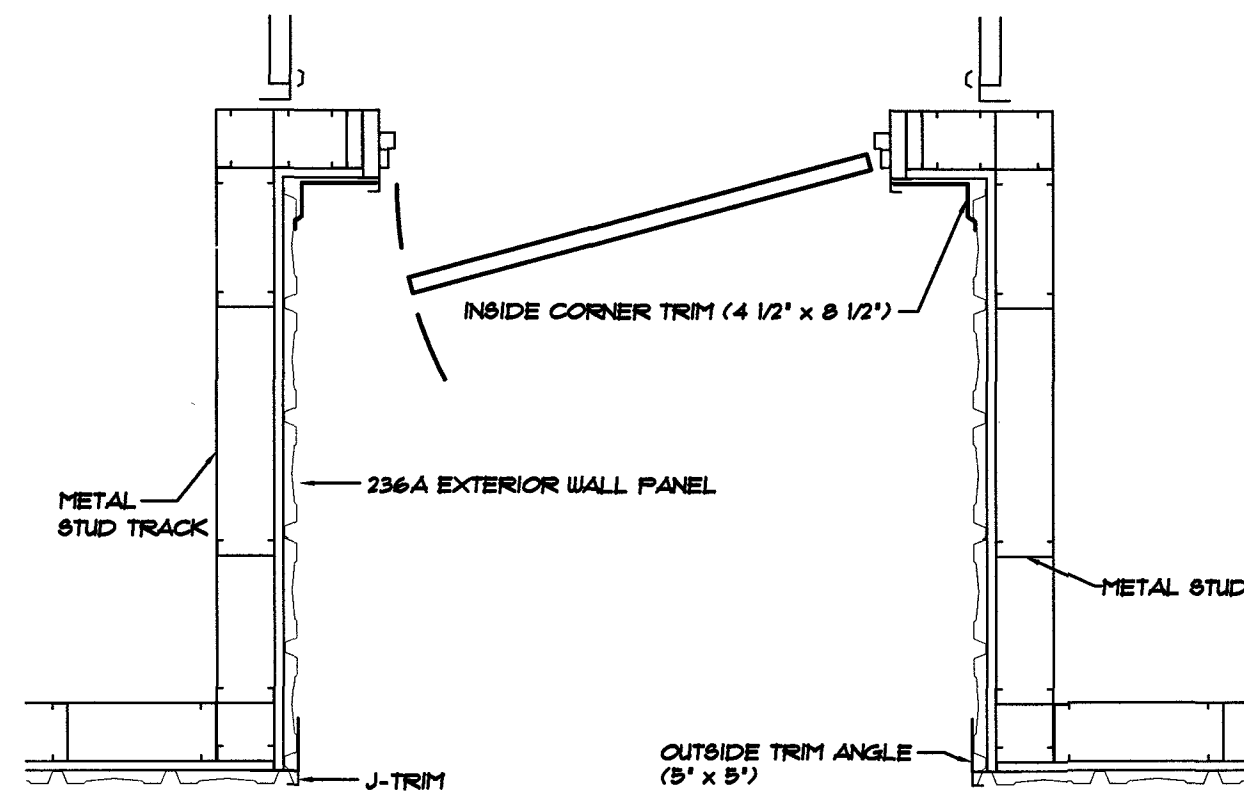
DATE:	12/9/2024
DRAWN BY:	R. KEATH
SCALE:	AS NOTED
APPROVED BY:	
LOCATED WINDOWS/DOORS • OFFICE	3/14/25 KEM
REVISIONS	DATE BY

BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

PROJECT NAME:	HWY 42 STORE ALL
PROJECT ADDRESS:	HOLLY SPRINGS, NORTH CAROLINA
OWNER:	F & S LAND DEVELOPMENT LLC.
SHEET TITLE:	FLOOR PLAN, SECTION, DETAIL, & NOTES - BUILDING "1"
PROJECT NO.:	NC24204
DRAWING NUMBER:	S2 of 8

BETCO, Inc.
228 Commerce Blvd.
Statesville, NC 28625
Limited Engineering License # D-0140

KEY TO ABBREVIATIONS:
EC = ENDWALL COLUMN
IC = INTERIOR COLUMN
TB = TOP OF BEAM
BA = BASE ANGLE
TC = TOP CHANNEL
VC = VERTICAL CHANNEL



A TRIM AT ALCOVE
S3
NOT TO SCALE

JAMB	ROLL-UP HEADER	SWING DOOR HEADER
8'-0"	12'	10' 1/2"

NOTE:
SEE ERC602X FOR EXTERIOR SWING
DOOR FRAMING IN STUDWALL.

LEGEND:

(X) 22ga. INTERIOR COLUMN

(-----) 22 ga. INTERIOR DOOR STRUCTURE

CLIMATE CONTROL

NOTES:

- 6" ROOF INSULATION (R-19) INCLUDED AT ENTIRETY OF BUILDING "2".
- 4" WALL INSULATION (R-13) INCLUDED AT STUD WALL OF BUILDING "2".
- 4" x 5" KICK-OUT DOWNSPOUTS ARE INCLUDED.
- CORRIDOR WIDTH WILL BE A MINIMUM OF APPROXIMATELY 56" FROM FACE TO FACE OF DOOR JAMBS.
- ATTACH ALL STUDS TO TRACKS WITH #10 x 5/8" SDF (4 PER STUD).
- BURGLAR BARS ARE PROVIDED ABOVE INTERIOR ROLL-UP DOORS AS REQUIRED.
- INTERIOR DOOR FRAMES AND PARTITIONS AT HALLWAYS ARE PREFRAMED.
- ALL PERSONNEL DOORS ARE GLOBAL AND INCLUDE LOCK-OPEN TYPE CLOSERS.
- ALL ROLL-UP DOORS ARE BY BETCO & INCLUDE TENSION ADJUSTERS & BEARINGS.
- SECURE INTERIOR PARTITION TO INTERIOR COLUMNS WITH (4) #10 x 5/8" SDF'S AS SHOWN ON ERC208X - ERC208X.
- INTERIOR DOOR JAMBS INCLUDE PARTITION CLOSURE ANGLES.
- NOTE FOR INTERIOR BEARING STUDWALLS: (SECURE BOTTOM TRACK w/ 3/8" x 3" KB-T22 ANCHORS (2" MIN. EMBEDMENT @ 30" O.C. MAXIMUM).
- NOTE FOR ALL EXTERIOR STUDWALLS: (SECURE FLOOR TRACK w/ 3/8" x 3" KB-T22 ANCHORS (2" MIN. EMBEDMENT @ 30" O.C. MAXIMUM).

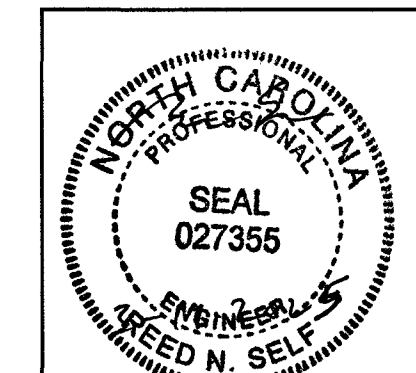
STUDWALL LEGEND BUILDING "2"		
DESCRIPTION	BUILDING "2"	
	INTERIOR STUDWALL	EXTERIOR STUDWALL
① EXTERIOR STUDWALL CONSTRUCTION AT FLAT SLAB (BLOCK @ MID-HGT.)	0 L.F.	440 L.F.
③ INTERIOR LOAD BEARING STUDWALL	0 L.F.	350 L.F.
④ INTERIOR NON-LOAD BEARING STUDWALL	0 L.F.	35 L.F.
⑤ EXTERIOR STUDWALL CONSTRUCTION AT HVAC (BLOCK @ MID-HGT.)	20 L.F.	60 L.F.
⑥ 3 HOUR FIRE RESISTANT PARTITION (STUD AND TRACK BY BETCO)	35 L.F.	25 L.F.

NOTE #1: SEE BLOCKING DETAIL A/681 ON ERC891X

DOOR SCHEDULE		
ID	DOOR SIZE	TYPE
①	4'-0" x 7'-0" (4070 - 2 - G) (ERC254X)	1/2 GLASS PERSONNEL
②	3'-0" x 7'-0"	INTERIOR ROLL-UP
③	8'-0" x 7'-0"	INTERIOR ROLL-UP
④	5'-8" x 7'-0"	INTERIOR ROLL-UP
⑤	3'-8" x 7'-10"	EXTERIOR ROLL-UP
⑥	8'-8" x 7'-10"	EXTERIOR ROLL-UP
⑦	8'-4" x 7'-10"	EXTERIOR ROLL-UP
⑧	3'-0" x 7'-0" w/ LOUVER	INTERIOR SWING DOOR
⑨	4'-0" x 7'-0" (4070 - 1 - A) (ERC254X)	A-LABEL FIRE DOOR

NOTE: BLOCK ALL LOAD-BEARING INTERIOR & EXTERIOR STUD WALLS AS SHOWN IN DETAIL A OF ERC891X

NOTE: UNIT SIZES SHOWN ARE NOMINAL. ACTUAL CLEAR DIMENSIONS INSIDE UNITS MAY VARY ACCORDING TO FINAL DESIGN OF COMPONENTS.



DATE:	12/9/2024
DRAWN BY:	R. KEATH
SCALE:	AS NOTED
APPROVED BY:	
DATE:	3/14/25
BY:	KEM

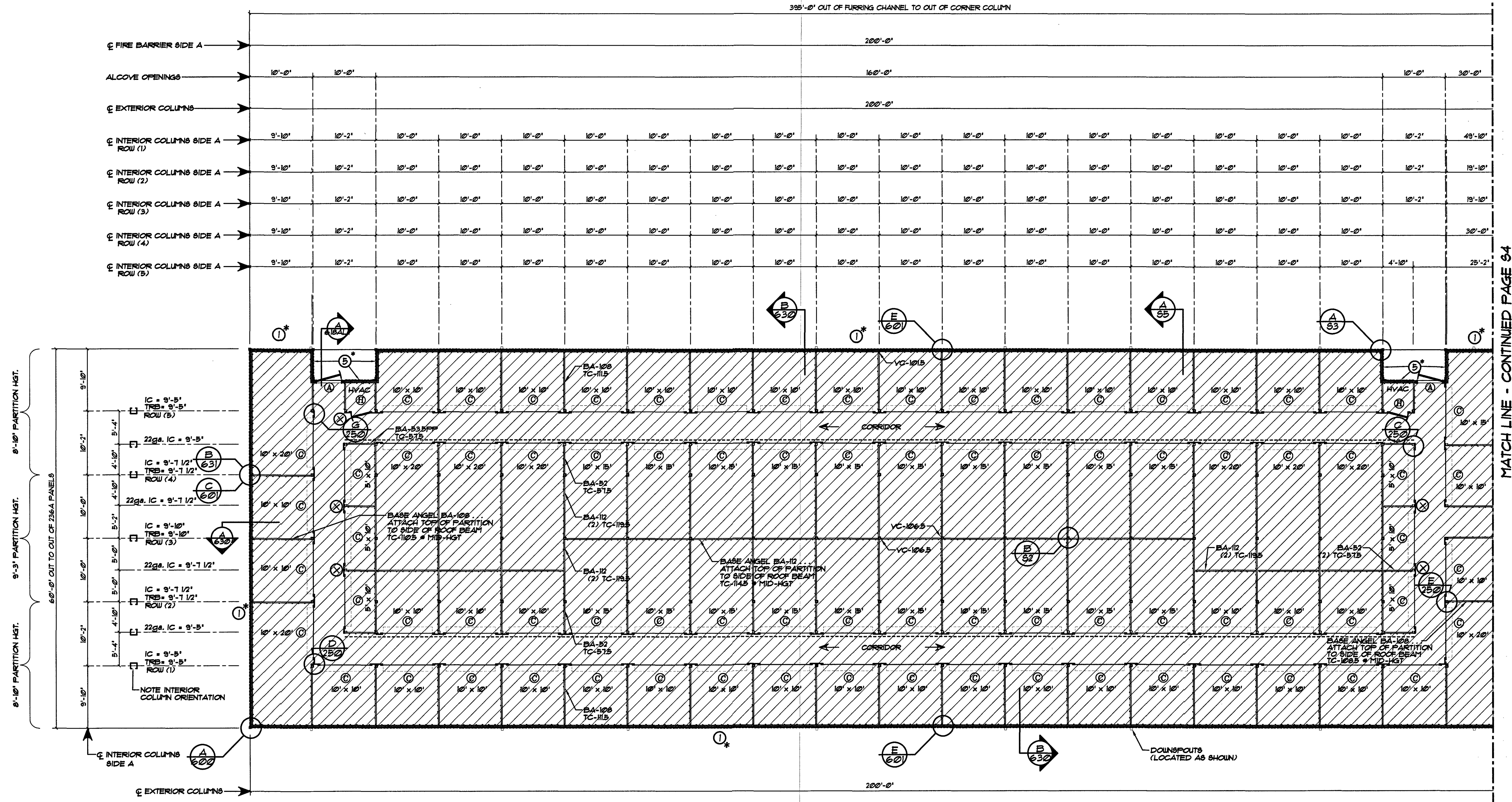
FLIPPED FLOOR PLAN

REVISIONS

BETCO

228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

PROJECT NAME: HWY 42 STORE ALL	
PROJECT ADDRESS: HOLLY SPRINGS, NORTH CAROLINA	
OWNER: F & S LAND DEVELOPMENT LLC.	PROJECT NO.: NC24204
SHEET TITLE: FLOOR PLAN, DETAIL & NOTES - BUILDING "2"	DRAWING NUMBER: S3 of 8



FLOOR PLAN... BUILDING "2" - SIDE A
SCALE: 1" = 10'-0"

MATCH LINE - CONTINUED PAGE 84

1 EXTERIOR STUDWALL CONSTRUCTION - FLAT SLAB:

- 3 5/8" x 1 1/2" FLANGE METAL STUDS @ 24" O.C. - 20ga.
- 3 5/8" CONTINUOUS CEILING TRACK - 18ga.
- 3 5/8" CONTINUOUS FLOOR TRACK - 18ga.
- (SECURE FLOOR TRACK W/ 3/8" x 3" KE-TZ ANCHORS (2" MIN. EMBEDMENT) @ 30" O.C. MAX.)
- 3 ROUS CONTINUOUS 20ga. FURRING CHANNELS
- PRE-PAINTED EXTERIOR 236A WALL PANELS
- WALL PANEL BASE SUPPORT
- DRIP CAP (180222)
- 4" THICK FIBERGLASS INSULATION
- 4 MIL POLYETHYLENE VAPOR BARRIER
- 236 LINER PANELS @ INTERIOR (ATTACH EACH PANEL TO BASE & TOP TRACK WITH 4 EACH 10 x 5/8" SDF's)
- J-TRIM @ TOP OF LINER PANELS

3 INSULATED LOAD BEARING STUDWALL:

- 3 5/8" x 1 1/2" FLANGE METAL STUDS @ 24" O.C. - 20ga.
- 3 5/8" CONTINUOUS CEILING TRACK - 18ga.
- 3 5/8" CONTINUOUS FLOOR TRACK - 18ga.
- (SECURE FLOOR TRACK W/ 3/8" x 3" KE-TZ ANCHORS (2" MIN. EMBEDMENT) @ 30" O.C. MAX.)
- 4" THICK FIBERGLASS INSULATION
- 4 MIL POLYETHYLENE VAPOR BARRIER
- 236 LINER PANELS (EACH SIDE - ATTACH EACH PANEL TO BASE & TOP TRACK WITH 4 EACH 10 x 5/8" SDF's)
- J-TRIM @ TOP OF LINER PANELS

4 INSULATED NON-LOAD BEARING STUDWALL:

- 3 5/8" x 1 1/2" FLANGE METAL STUDS @ 24" O.C. - 20ga.
- 3 5/8" CONTINUOUS FLOOR AND CEILING TRACK - 20ga.
- (SECURE FLOOR TRACK TO CONCRETE FLOOR SLAB WITH 10" PDS @ 24" O.C.)
- 4" THICK FIBERGLASS INSULATION
- 4 MIL POLYETHYLENE VAPOR BARRIER
- 236 LINER PANELS (EACH SIDE - ATTACH EACH PANEL TO BASE & TOP TRACK WITH 4 EACH 10 x 5/8" SDF's)
- J-TRIM @ TOP OF LINER PANELS

5 EXTERIOR STUDWALL CONSTRUCTION - HVAC INSET/ALCOVE:

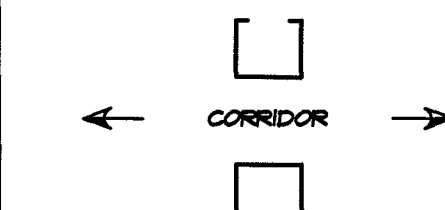
- 3 5/8" x 1 1/2" FLANGE METAL STUDS @ 24" O.C. - 20ga.
- 3 5/8" CONTINUOUS CEILING TRACK - 18ga.
- 3 5/8" CONTINUOUS FLOOR TRACK - 18ga.
- (SECURE FLOOR TRACK W/ 3/8" x 3" KE-TZ ANCHORS (2" MIN. EMBEDMENT) @ 30" O.C. MAX.)
- 3 ROUS CONTINUOUS 20ga. FURRING CHANNELS
- PRE-PAINTED EXTERIOR 236A WALL PANELS
- DRIP CAP (180222)
- 4" THICK FIBERGLASS INSULATION
- 4 MIL POLYETHYLENE VAPOR BARRIER
- 236 LINER PANELS @ INTERIOR (ATTACH EACH PANEL TO BASE & TOP TRACK WITH 4 EACH 10 x 5/8" SDF's)
- J-TRIM @ TOP OF LINER PANELS

11 FIRE RESISTANT PARTITION - 3 HOUR RATED UL-315 (NON-LOAD BEARING) (SEE SHEET C84)

- 3 5/8" METAL STUDS @ 24" O.C. - 16ga.
- 3 5/8" CONTINUOUS FLOOR AND CEILING TRACK - 20ga.
- (TOP TRACK MUST FOLLOW SLOPE OF ROOF DECK)
- (SECURE BOTTOM TRACK W/ 10" PDS @ 24" O.C.)
- 5/8" GYPSUM BOARD (X-RATED) 3 LAYERS EACH SIDE IT MUST BE PLACED SUCH THAT ALL JOINTS ARE VERTICAL
- GYPSUM BOARD (NOT BY BETCO) SHALL BE ATTACHED TO STUDS, FLOOR AND CEILING TRACK USING TYPE "S" SELF-TAPPING SCREWS ALONG EDGES OF BOARD SPACED 8" O.C. AND 12" O.C. IN THE FIELD
- VINYL OR CASE-IN, DRY OR FIRE-MIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS SCREW-HEADS, PERFORATED PAPER TAPE, 2" WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS
- 4" THICK FIBERGLASS INSULATION
- 4 MIL POLYETHYLENE VAPOR BARRIER

NOTE: GENERAL STUDWALL CONSTRUCTION:
A) - ATTACH STUDS W/ 10 x 5/8" SDF'S EACH SIDE OF TRACK (4 PER STUD)
B) - WALLS MUST EXTEND FROM ROOF TO FLOOR DECK AND INTO WALL COLUMN CAVITY.
C) - TOP TRACK MUST FOLLOW SLOPE OF ROOF LINE.

NOTE COLUMN ORIENTATION
CORRIDORS PARALLEL TO ROOF BEAMS



- LEGEND:
- 22ga. INTERIOR COLUMN
 - 22 ga. INTERIOR DOOR STRUCTURE
 - CLIMATE CONTROL

- NOTES:
- 6" ROOF INSULATION (R-19) INCLUDED AT ENTIRETY OF BUILDING "2".
 - 4" WALL INSULATION (R-13) INCLUDED AT STUD WALL OF BUILDING "2".
 - 4" x 5" KICK-OUT DOWNSPOUTS ARE INCLUDED
 - CORRIDOR WIDTH WILL BE A MINIMUM OF APPROXIMATELY 56" FROM FACE TO FACE OF DOOR JAMBS.
 - ATTACH ALL STUDS TO TRACKS WITH 10 x 5/8" SDF (4 PER STUD).
 - BURGULAR BARS ARE PROVIDED ABOVE INTERIOR ROLL-UP DOORS AS REQUIRED.
 - INTERIOR DOOR FRAMES AND PARTITIONS AT HALLWAYS ARE PREPAINTED.
 - ALL PERSONNEL DOORS ARE GLOBAL AND INCLUDE LOCK-OPEN TYPE CLOSERS.
 - ALL ROLL-UP DOORS ARE BY BETCO & INCLUDE TENSION ADJUSTERS & BEARINGS.
 - SECURE INTERIOR PARTITION TO INTERIOR COLUMNS WITH (4) 10 x 5/8" SDF'S AS SHOWN ON ERC200X - ERC208X.
 - INTERIOR DOOR JAMBS INCLUDE PARTITION CLOSURE ANGLES.
 - NOTE FOR INTERIOR BEARING STUDWALLS: (SECURE BOTTOM TRACK W/ 3/8" x 3" KE-TZ ANCHORS (2" MIN. EMBEDMENT @ 30" O.C. MAXIMUM).
 - NOTE FOR ALL EXTERIOR STUDWALLS: (SECURE FLOOR TRACK W/ 3/8" x 3" KE-TZ ANCHORS (2" MIN. EMBEDMENT @ 30" O.C. MAXIMUM).

NOTE:
SEE ERC602X FOR EXTERIOR SWING DOOR FRAMING IN STUDWALL.

NOTE:
UNIT SIZES SHOWN ARE NOMINAL. ACTUAL CLEAR DIMENSIONS INSIDE UNITS MAY VARY ACCORDING TO FINAL DESIGN OF COMPONENTS.

NOTE:
15ft. ROOF BEAMS ARE 3' x 10' x 12ga. ZEE'S.

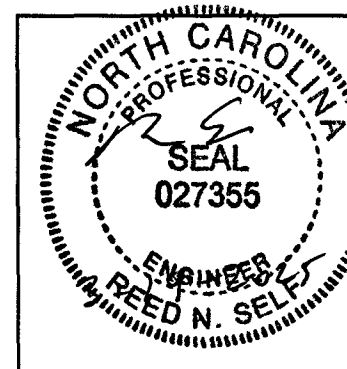
STUDWALL LEGEND			
		BUILDING #2	
		UNINSULATED	INSULATED*
DESCRIPTION			
1 EXTERIOR STUDWALL CONSTRUCTION AT FLAT SLAB (BLOCK @ MID-HGT.)		0 L.F.	440 L.F.
3 INTERIOR LOAD BEARING STUDWALL		0 L.F.	350 L.F.
4 INTERIOR NON-LOAD BEARING STUDWALL		0 L.F.	95 L.F.
5 EXTERIOR STUDWALL CONSTRUCTION AT HVAC (BLOCK @ MID-HGT.)		20 L.F.	60 L.F.
11 3 HOUR FIRE RESISTANT PARTITION (STUD AND TRACK BY BETCO)		35 L.F.	25 L.F.

NOTE #1: SEE BLOCKING DETAIL A/631 ON ERC631X

JAMB	ROLL-UP DOOR HEADER	SWING DOOR HEADER
8'-0"	12'	10 1/2'

DOOR SCHEDULE		
ID	DOOR SIZE	TYPE
1	4'-0" x 7'-0" (4070 - 2 - G) (ERC254X)	1/2 GLASS PERSONNEL
2	3'-0" x 7'-0"	INTERIOR ROLL-UP
3	8'-0" x 7'-0"	INTERIOR ROLL-UP
4	5'-6" x 7'-0"	INTERIOR ROLL-UP
5	3'-8" x 7'-10"	EXTERIOR ROLL-UP
6	8'-8" x 7'-10"	EXTERIOR ROLL-UP
7	8'-4" x 7'-10"	EXTERIOR ROLL-UP
8	3'-0" x 7'-0" w/ LOUVER	INTERIOR SWING DOOR
9	4'-0" x 7'-0" (4070 - 1 - A) (ERC254X)	A-LABEL FIRE DOOR

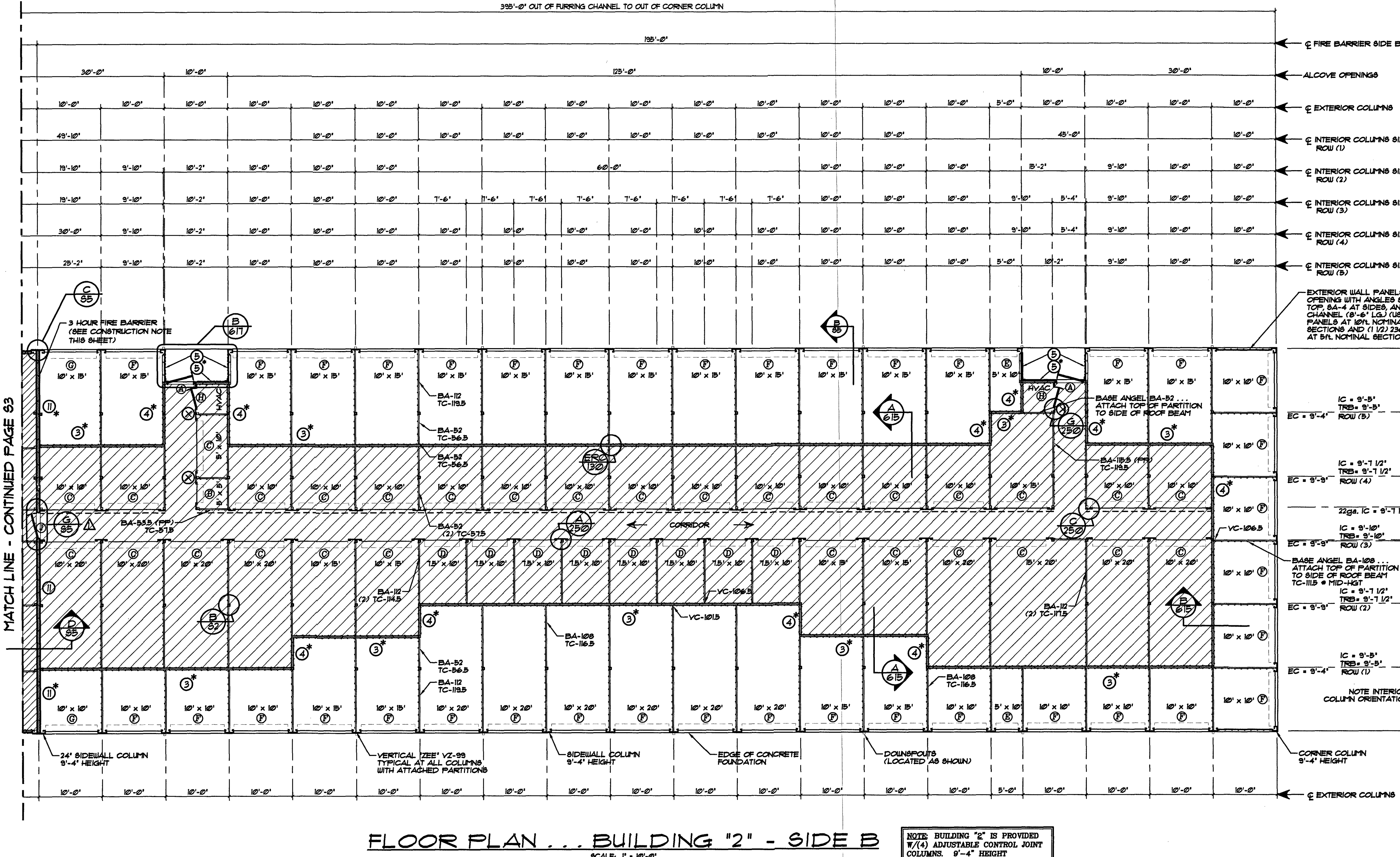
NOTE: BLOCK ALL LOAD-BEARING INTERIOR & EXTERIOR STUD WALLS AS SHOWN IN DETAIL A OF ERC631X



DATE:	12/9/2024
DRAWN BY:	R. KEATH
SCALE:	AS NOTED
APPROVED BY:	
REVISIONS	DATE BY
1	3/14/25 KEM

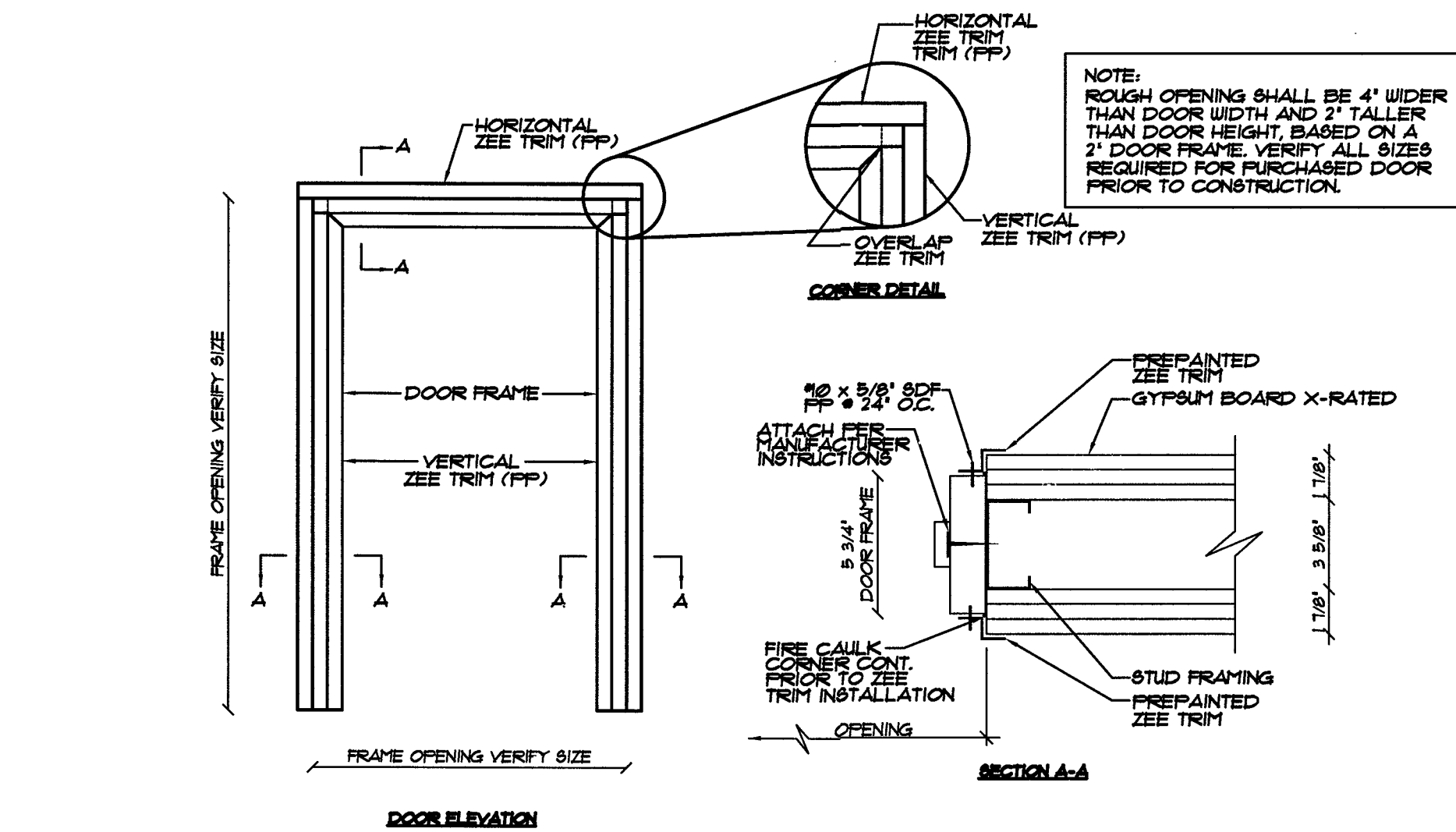
BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

PROJECT NAME: HWY 42 STORE ALL	
PROJECT ADDRESS: HOLLY SPRINGS, NORTH CAROLINA	
OWNER: F & S LAND DEVELOPMENT LLC.	PROJECT NO.: NC24204
SHEET TITLE: FLOOR PLAN & NOTES - BUILDING "2"	DRAWING NUMBER: S4 OF 8

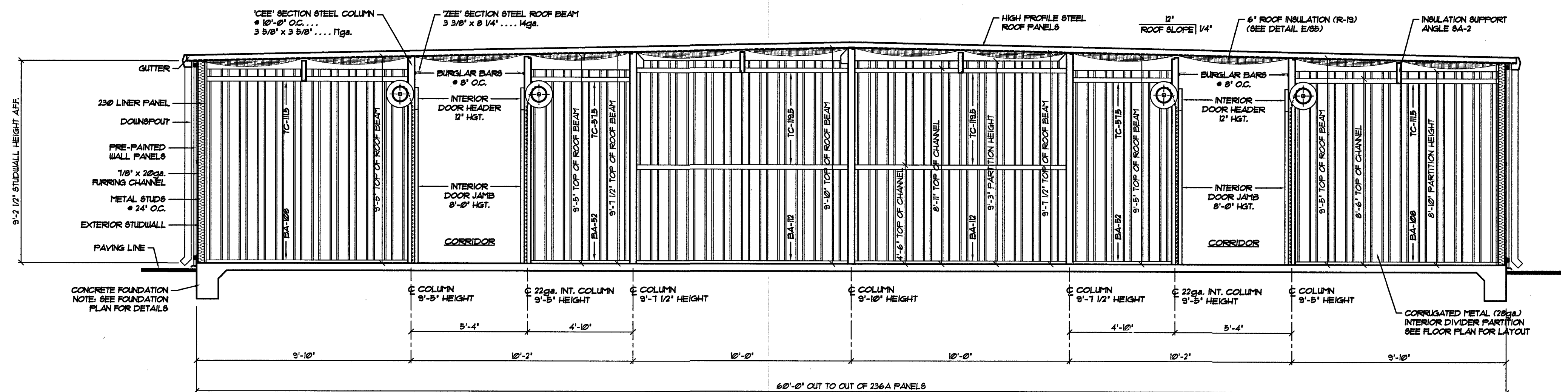


FLOOR PLAN... BUILDING "2" - SIDE B
SCALE: 1" = 10'-0"

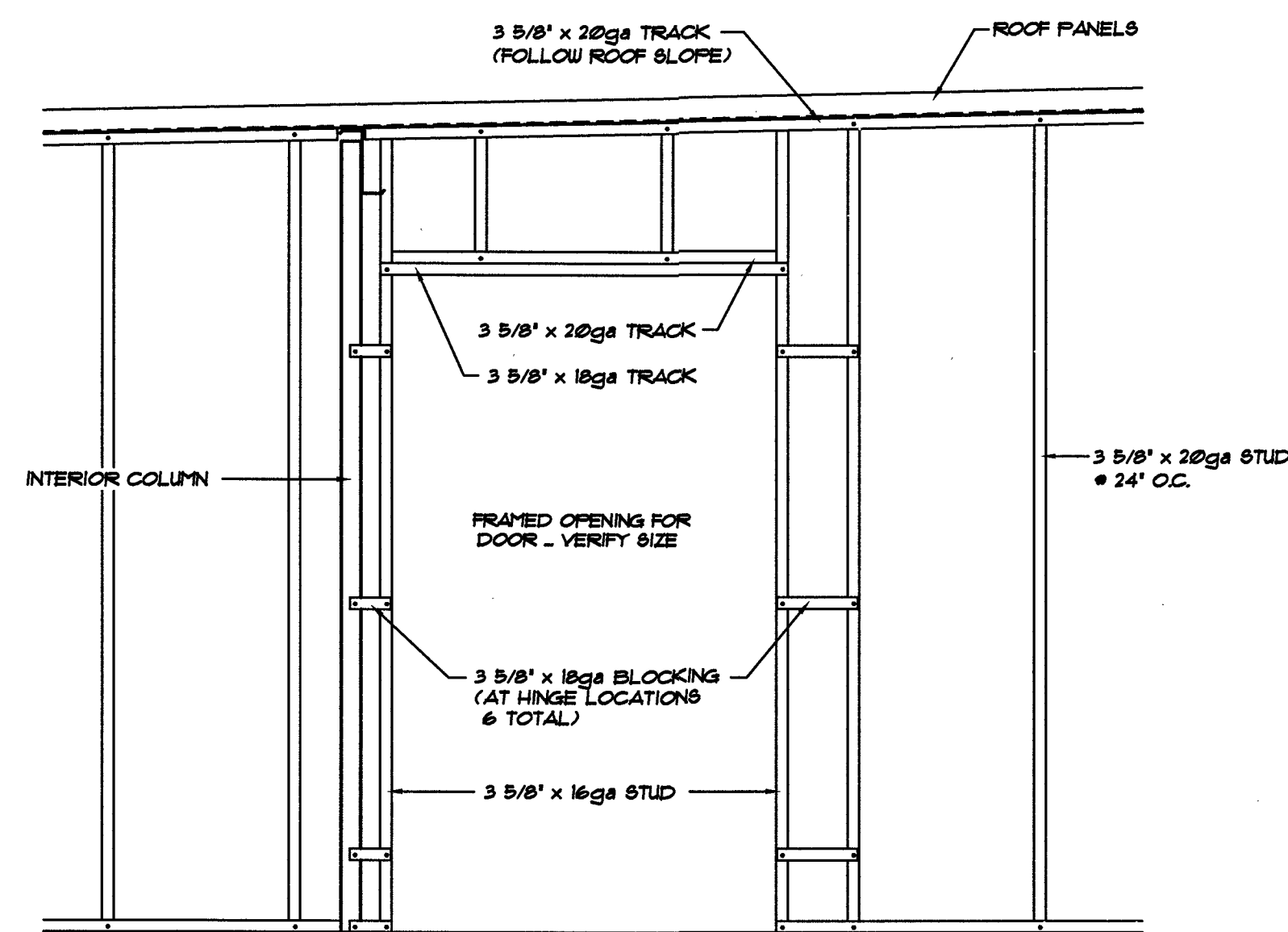
NOTE: BUILDING "2" IS PROVIDED W/ (4) ADJUSTABLE CONTROL JOINT COLUMNS. 9'-4" HEIGHT



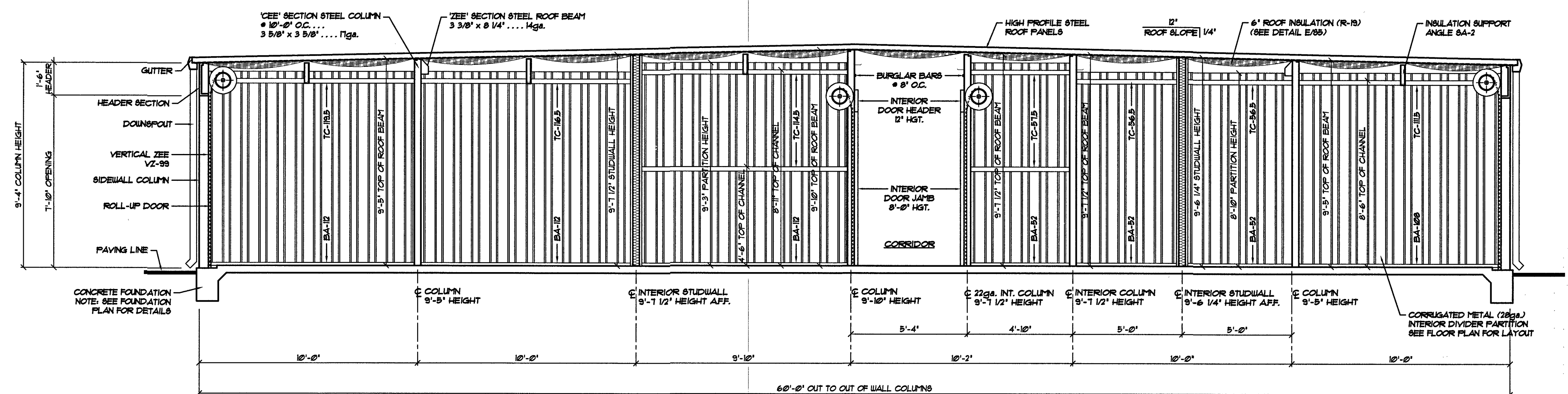
G 3 HOUR FIRE RATED DOOR INSTALLATION DETAIL
NOT TO SCALE



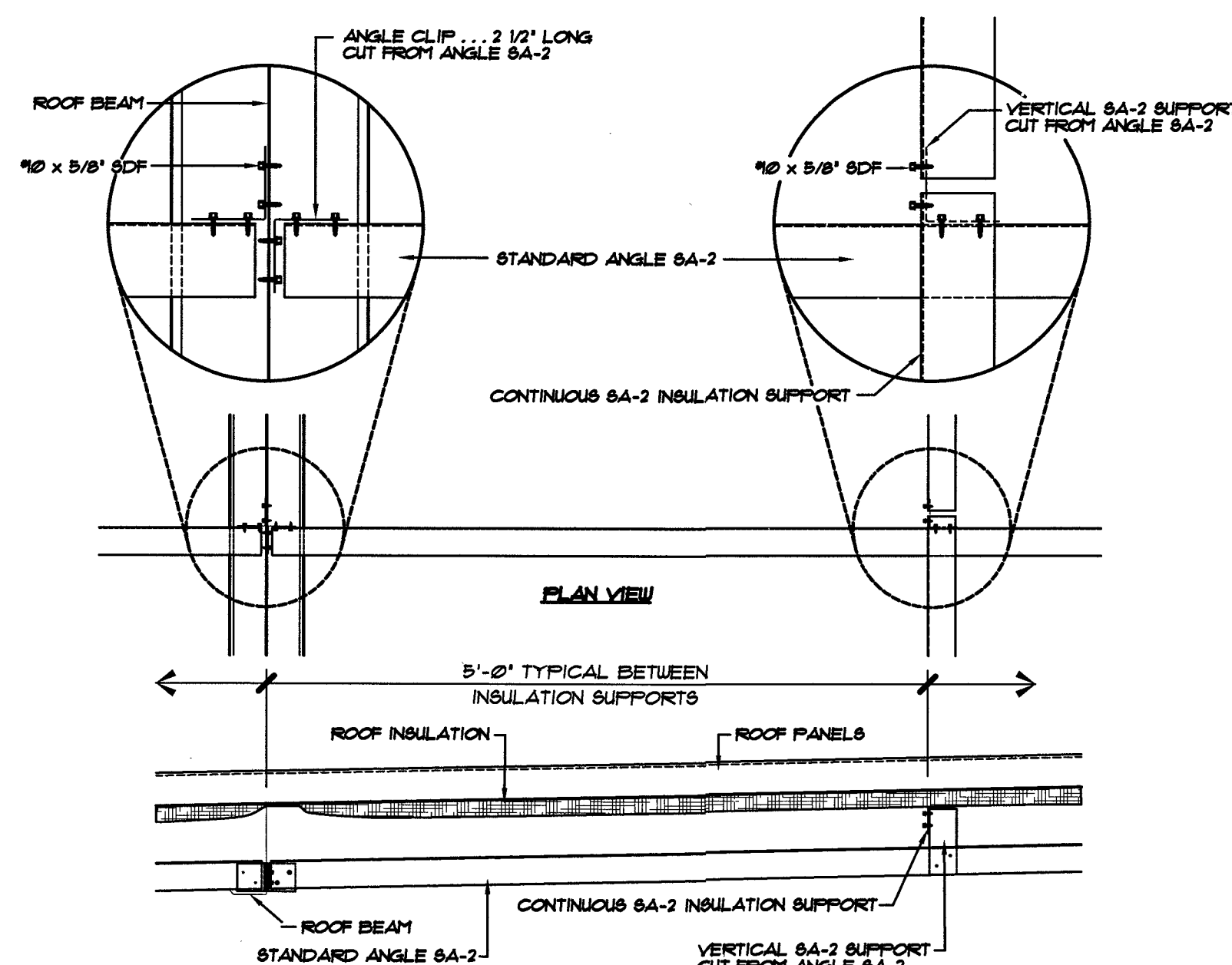
A 60'-0\"/>



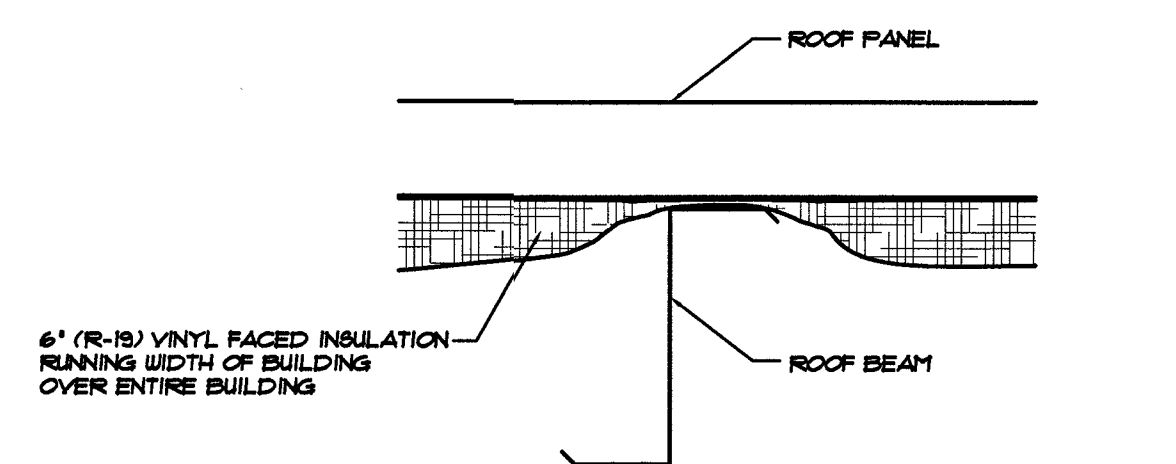
H INTERIOR DOOR FRAMING DETAIL FOR 4'-0\"/>



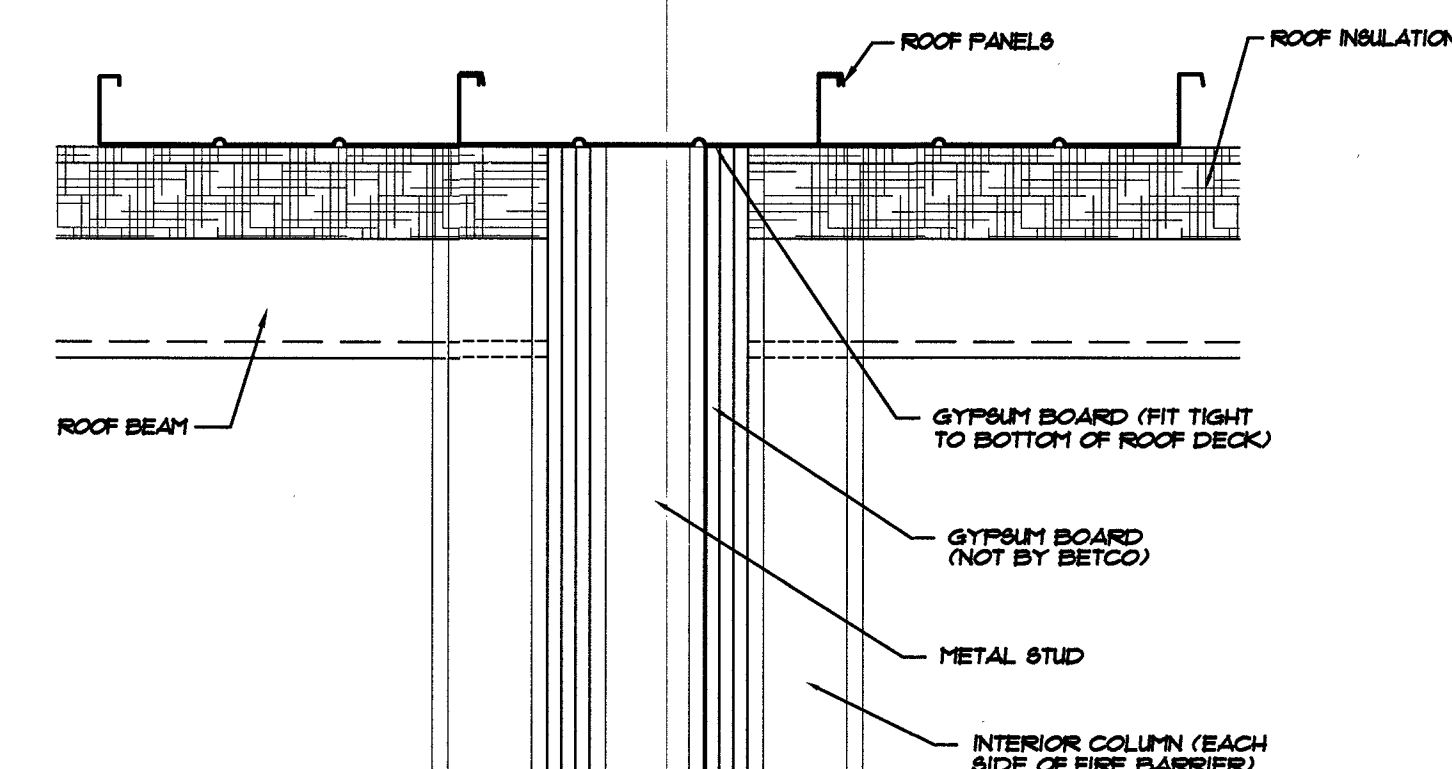
B 60'-0\"/>



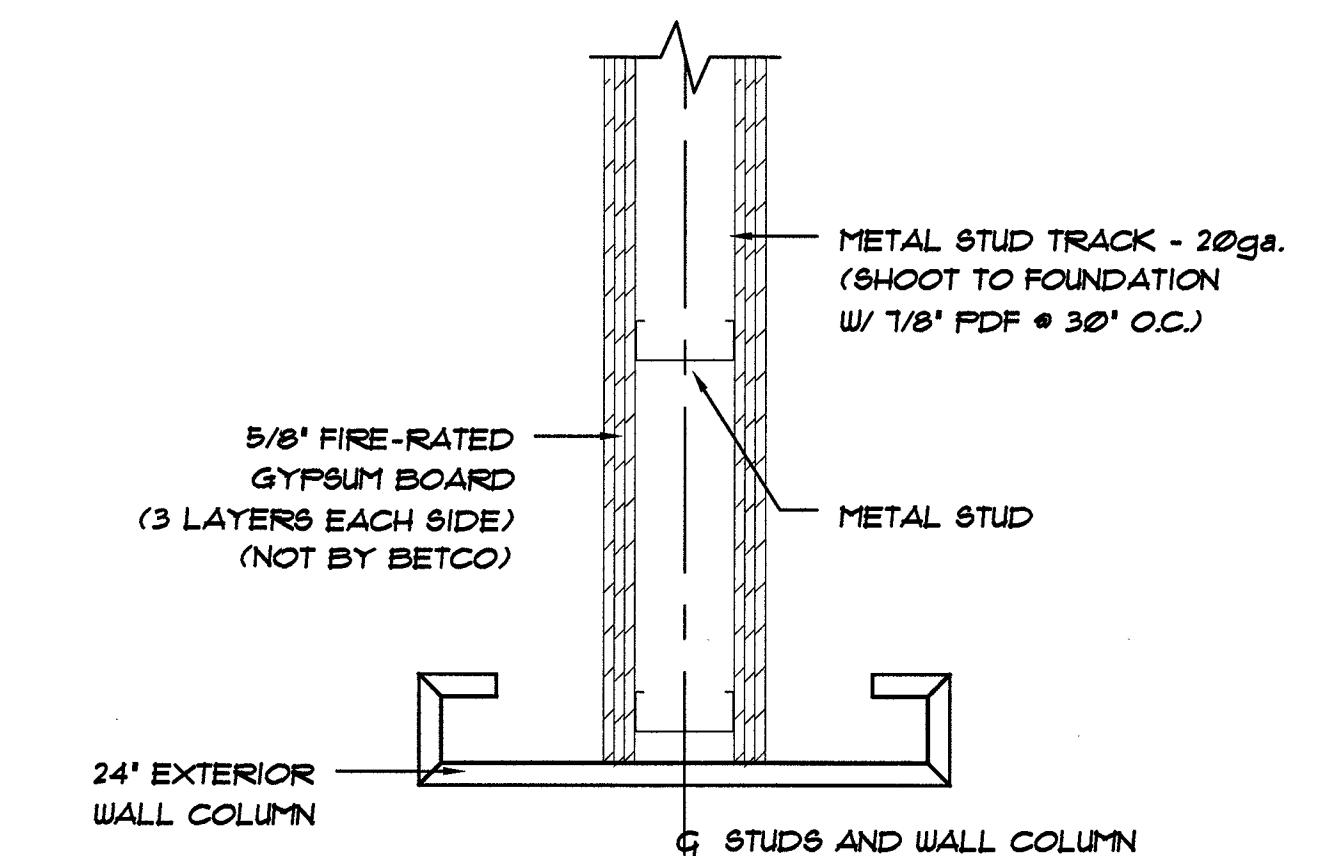
F INTERMEDIATE INSULATION SUPPORT ELEVATION
NOT TO SCALE



E INSULATION @ ROOF BEAM
NOT TO SCALE

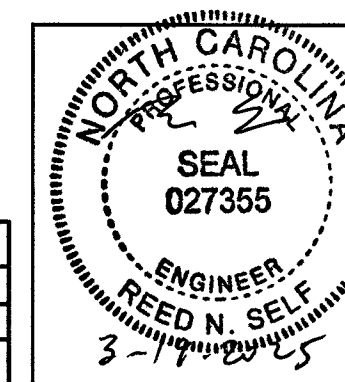


D SECTION AT 3 HOUR FIRE BARRIER
NOT TO SCALE



C 3-HOUR FIRE BARRIER @ SIDEWALL COLUMN
NOT TO SCALE

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Statesville, NC 28625
Limited Engineering License # D-0140



DATE:	12/9/2024
DRAWN BY:	R. KEATH
SCALE:	AS NOTED
APPROVED BY:	
ADDED DETAILS	3/14/25 KEM
REVISIONS	DATE BY

BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28625
(800)654-7813

PROJECT NAME:	HWY 42 STORE ALL
PROJECT ADDRESS:	HOLLY SPRINGS, NORTH CAROLINA
OWNER:	F & S LAND DEVELOPMENT LLC.
SHEET TITLE:	CROSS SECTION & DETAILS - BUILDING "2"
PROJECT NO.:	NC24204
DRAWING NUMBER:	S5 of 8

GENERAL STUDWALL CONSTRUCTION:
A) -ATTACH STUDS W/ 90 X 5/8" SDF'S
EACH SIDE OF TRACK (4 PER STUD)
B) -WALLS MUST EXTEND FROM ROOF TO FLOOR
DECK AND INTO WALL COLUMN CAVITY.
C) -TOP TRACK MUST FOLLOW SLOPE OF ROOF LINE.

- 3 5/8" x 1 1/8" FLANGE METAL STUDS @ 24" O.C. - 20ga
- 3 5/8" CONTINUOUS CEILING TRACK - 18ga.
- 3 5/8" CONTINUOUS FLOOR TRACK - 18ga.
- (SECURE FLOOR TRACK w/ 3/8" x 3" KB-TZ ANCHORS
(2" MIN. EMBEDMENT) @ 30" O.C. MAX)
- 2 ROUS CONTINUOUS 20ga. FIRRING CHANNELS
- PRE-PAINTED EXTERIOR 236A WALL PANELS
- WALL PANEL BASE SUPPORT
- DRIP CAP (P60120)



**NOTE: BUILDING "3" IS PROVIDED
W/(3) ADJUSTABLE CONTROL JOINT
COLUMNS. 8'-6" HEIGHT**

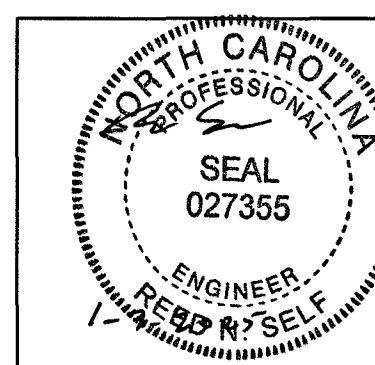
—INDICATES STRAP BRACING
LOCATION (6" x 14ga STRAP)...
SECURE EACH END w/ (8) EACH
#12 x 1 7/8" SDF'S (SEE DETAIL B/36).




STUDY WALL LEGEND		BUILDING # 3	
INTERIOR STUDY WALL		EXTERIOR STUDY WALL	
DESCRIPTION		UNINSULATED	INSULATED*
① EXTERIOR STUDY WALL CONSTRUCTION AT FLAT SLAB (BLOCK • MID-HGT.)		270 L.F.	0 L.F.
NOTE #1: SEE SLABING DETAIL A/631 ON ERC681X			

DOOR SCHEDULE		
ID	DOOR SIZE	TYPE
④	4'-0" x 7'-0" (4070 - 2 - G) (ERC254X)	1/2 GLASS PERSONNEL
③	3'-0" x 7'-0"	INTERIOR ROLL-UP
②	8'-0" x 7'-0"	INTERIOR ROLL-UP
①	5'-8" x 7'-0"	INTERIOR ROLL-UP
⑩	3'-8" x 7'-10"	EXTERIOR ROLL-UP
⑨	8'-8" x 7'-10"	EXTERIOR ROLL-UP
⑧	8'-4" x 7'-10"	EXTERIOR ROLL-UP
⑦	8'-8" x 7'-0"	EXTERIOR ROLL-UP

NOTE:
UNIT SIZES SHOWN ARE NOMINAL. ACTUAL CLEAR
DIMENSIONS INSIDE UNITS MAY VARY ACCORDING
TO FINAL DESIGN OF COMPONENTS.

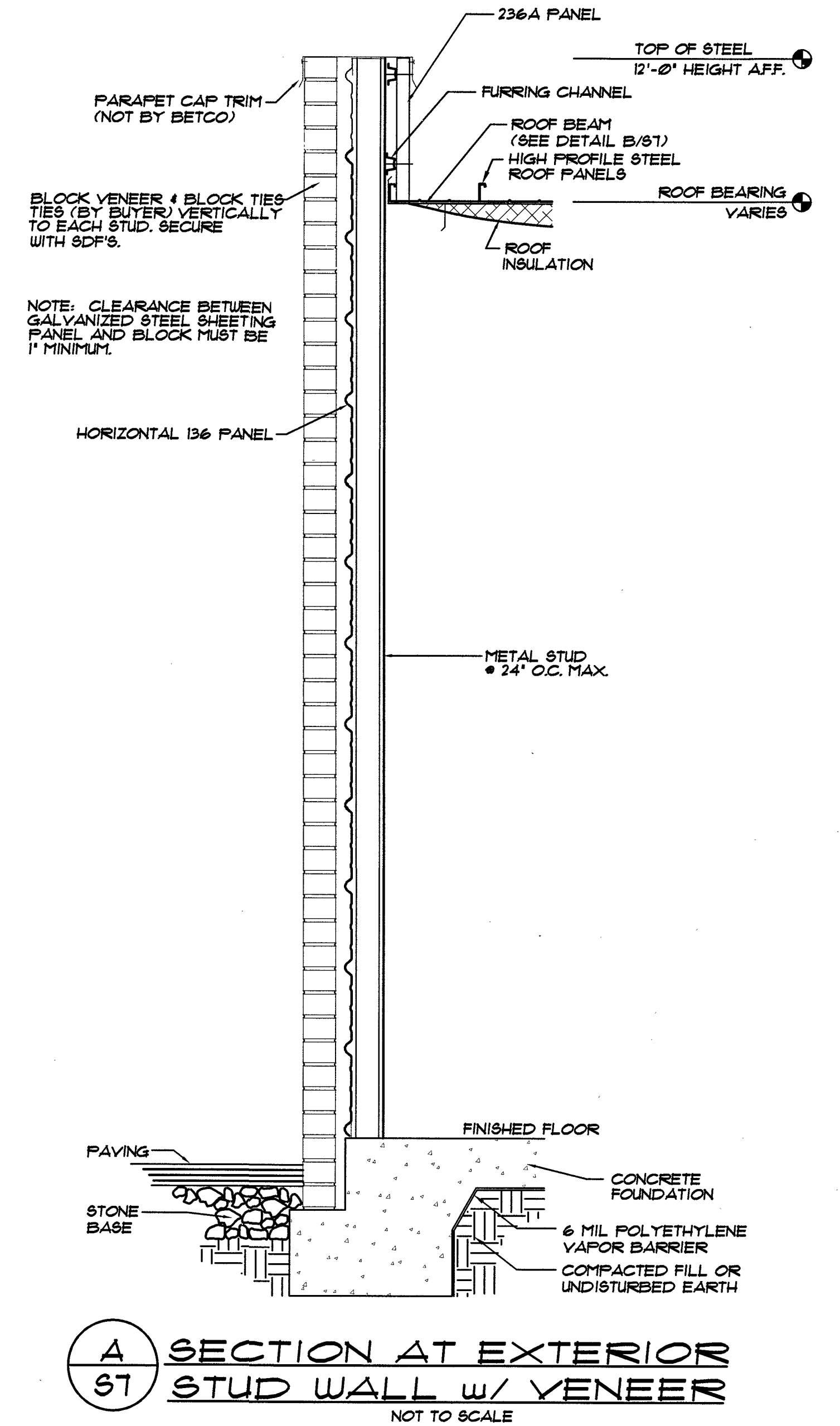
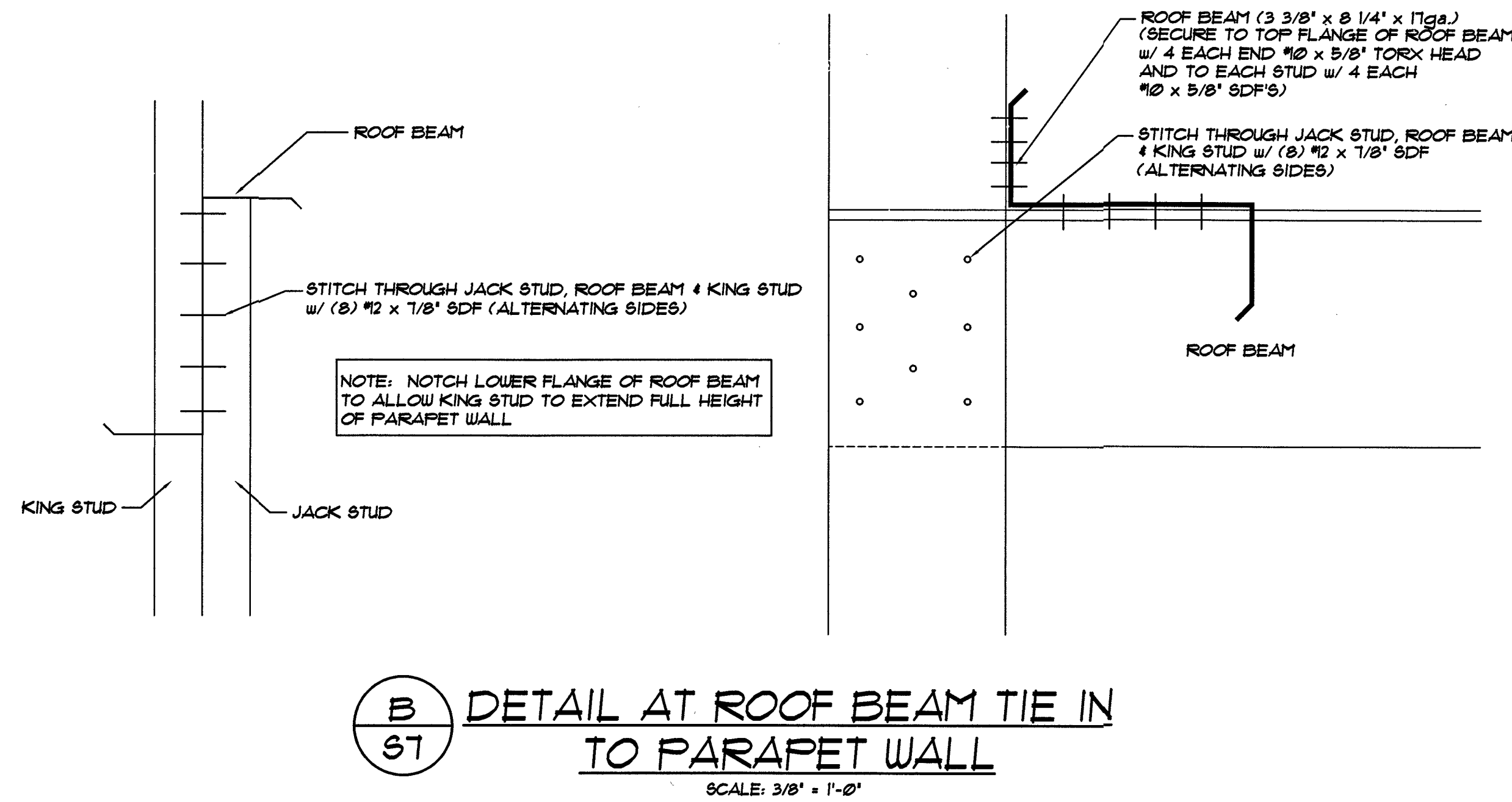
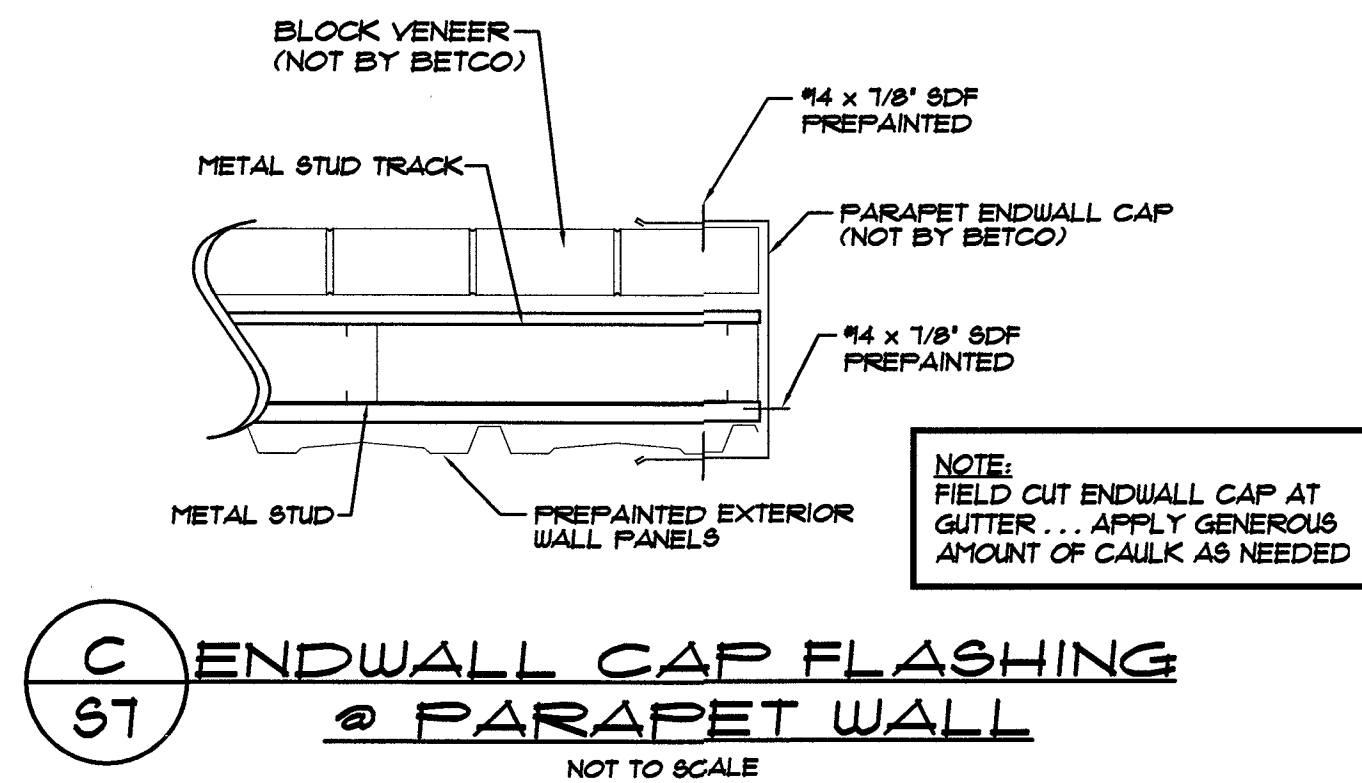


	DATE:	12/9/2024
	DRAWN BY:	R. KEATH
	SCALE:	AS NOTED
	APPROVED BY:	
REVISIONS	DATE	BY

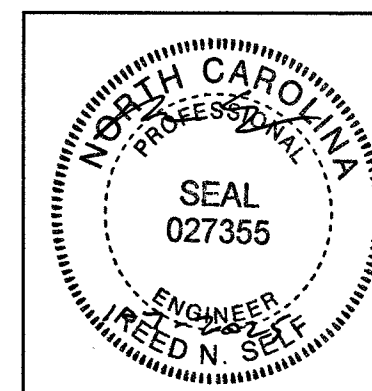
BETCO
228 COMMERCE BLVD.
STATESVILLE, NC 28623
(800)654-7813

PROJECT NAME:		HWY 42 STORE ALL	
PROJECT ADDRESS:		HOLLY SPRINGS, NORTH CAROLINA	
OWNER:		F & S LAND DEVELOPMENT LLC.	PROJECT NO.: NC242004
SHEET TITLE:		FLOOR PLAN, CROSS SECTION, DETAIL & NOTES - BUILDING "3"	DRAWING NUMBER: S6 OF 10

BETCO, Inc.
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Statesville, NC 28625
Limited Engineering License # D-0140



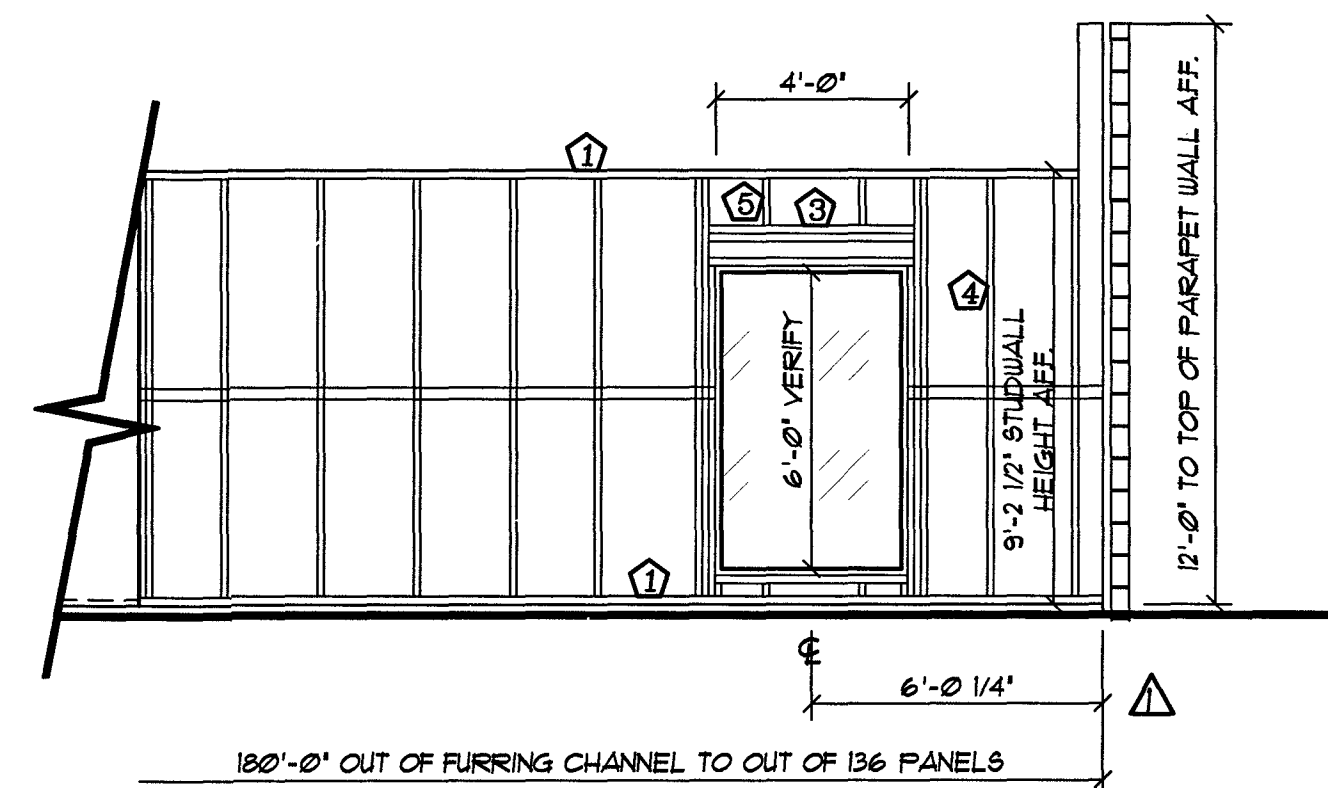
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Statesville, NC 28625
Limited Engineering License # D-0140



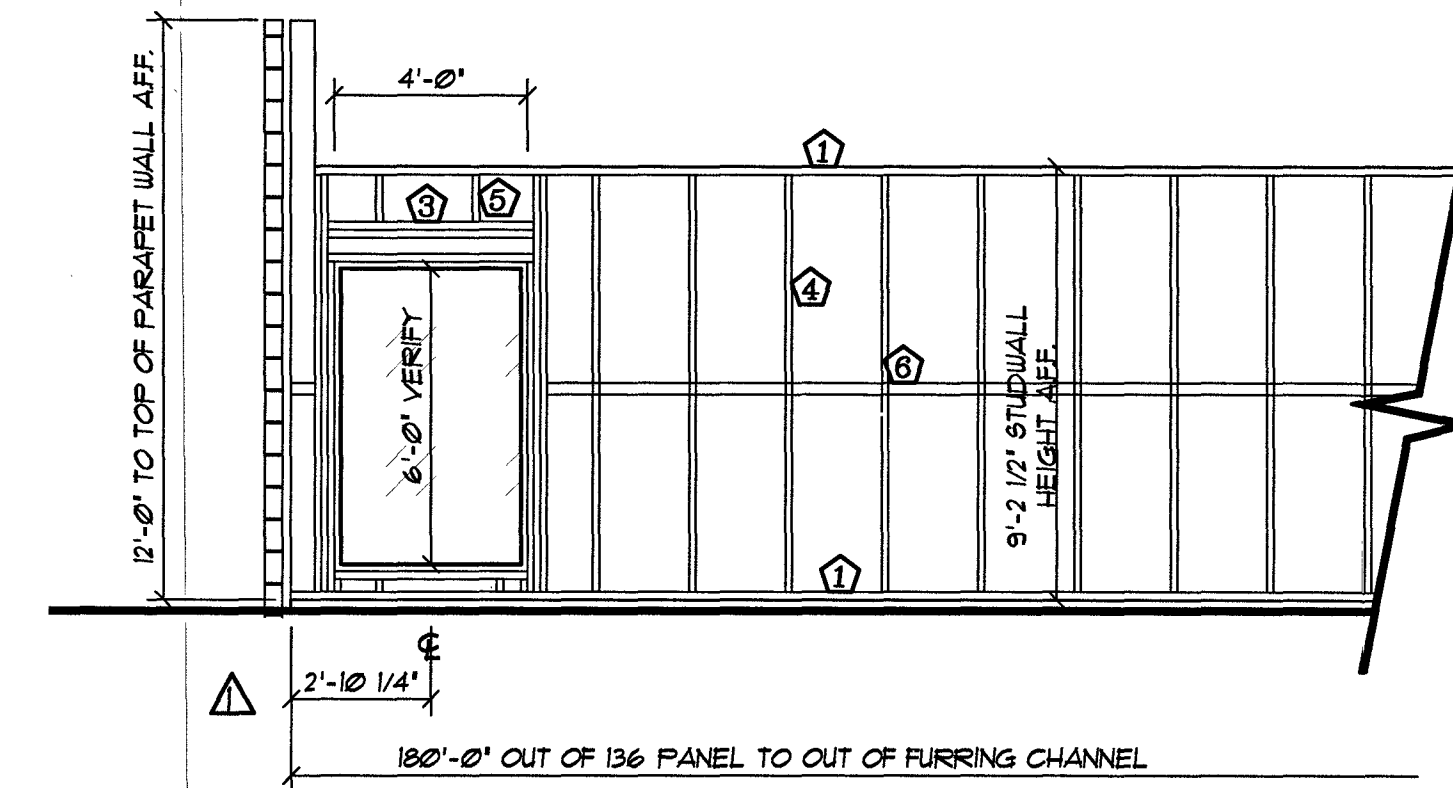
Alternative			

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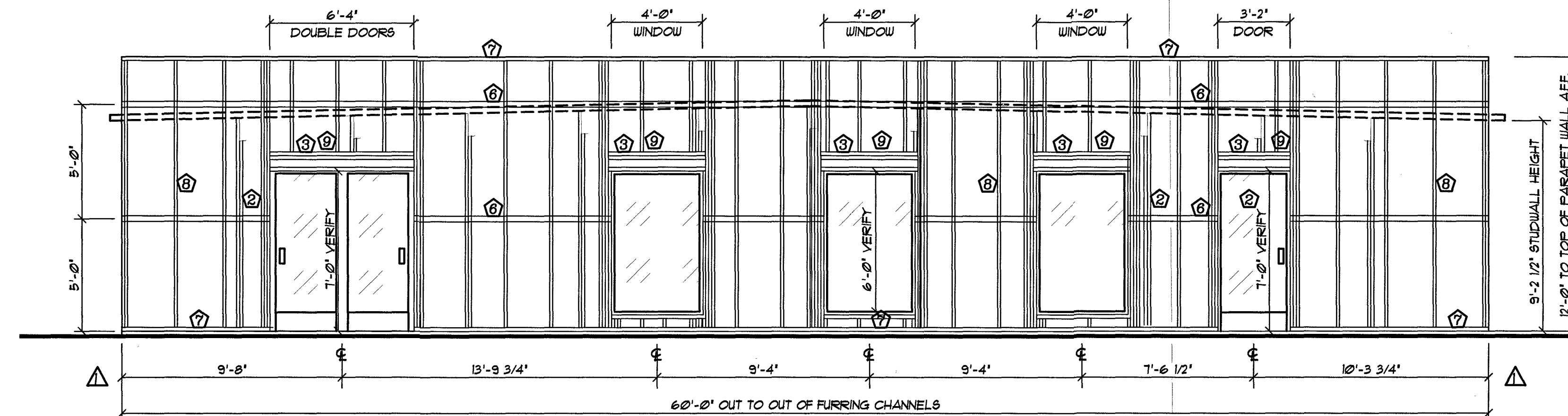
PROJECT NAME:	HWY 42 STORE ALL HOLLY SPRINGS, NORTH CAROLINA
PROJECT ADDRESS:	
OWNER:	F & S LAND DEVELOPMENT LLC.
SHEET TITLE:	BUILDING DETAILS BUILDING "1"
PROJECT NO.:	NC24204
DRAWING NUMBER:	S7 OF 8



B FRAMING ELEVATION SIDEWALL . . . BUILDING "1"
 S8 SCALE: 1/4" = 1'-0" (NOTE: VERIFY ALL ROUGH OPENING LOCATIONS AND SIZES)

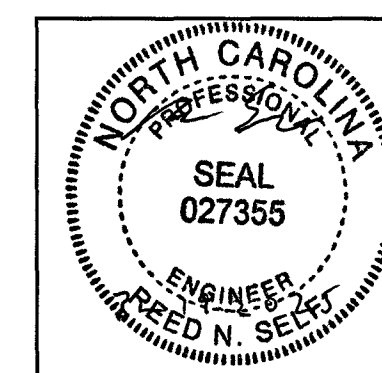


A FRAMING ELEVATION SIDEWALL . . . BUILDING "1"
 S8 SCALE: 1/4" = 1'-0" (NOTE: VERIFY ALL ROUGH OPENING LOCATIONS AND SIZES)



C FRAMING ELEVATION ENDWALL . . . BUILDING "1"
 S8 SCALE: 1/4" = 1'-0" (NOTE: VERIFY ALL ROUGH OPENING LOCATIONS AND SIZES)

- LEGEND:**
- ① METAL STUD TRACK (3 5/8" x 1 1/4" LEG x 18ga) FASTEN TO EACH METAL STUD WITH 2 EACH #10 x 5/8" SDF PER FLANGE
 - ② 2 EACH - METAL STUD AT EACH ROOF BEAM LOCATION - SIMILAR TO C/60IX.
 - ③ DH-1 - DOUBLE CEE BOXED HEADER - 6" (SEE ERC60IX) w/ 16ga STUDS. USE 14ga AT OPENINGS OVER 5'-0" WIDE.
 - ④ 1 EACH - METAL STUD (3 5/8" x 1 5/8" x 18ga)
 - ⑤ METAL STUD TRACK ABOVE HEADER (3 5/8" x 1 1/4" x 18ga) FASTEN TO EACH METAL STUD WITH 2 EACH #10 x 5/8" SDF PER FLANGE - FASTEN TO TOP OF DH-1 WITH 2 EACH #2 x 7/8" SDF AT 12" O.C.
 - ⑥ STRAP BRACING FOR BLOCKING (SEE DETAIL 'A' ON ERC63IX)
 - ⑦ METAL STUD TRACK (6" x 1 1/4" LEG x 18ga) FASTEN TO EACH METAL STUD WITH 2 EACH #10 x 5/8" SDF PER FLANGE
 - ⑧ 1 EACH - METAL STUD (6" x 2" x 16ga)
 - ⑨ METAL STUD TRACK ABOVE HEADER (6" x 1 1/4" x 18ga) FASTEN TO EACH METAL STUD WITH 2 EACH #10 x 5/8" SDF PER FLANGE - FASTEN TO TOP OF DH-1 WITH 2 EACH #2 x 7/8" SDF AT 12" O.C.



DATE:	12/9/2024
DRAWN BY:	R. KEATH
SCALE:	AS NOTED
APPROVED BY:	
LOCATED WINDOWS/DOORS @ OFFICE	3/14/25 KEM
REVISIONS	DATE BY



PROJECT NAME: HWY 42 STORE ALL	
PROJECT ADDRESS: HOLLY SPRINGS, NORTH CAROLINA	
OWNER: F & S LAND DEVELOPMENT LLC.	PROJECT NO.: NC24204
SHEET TITLE: FRAMING ELEVATIONS BUILDING "1"	DRAWING NUMBER: S8 of 8