

ELECTRICAL

EXISTING  
BUILDING

PANEL

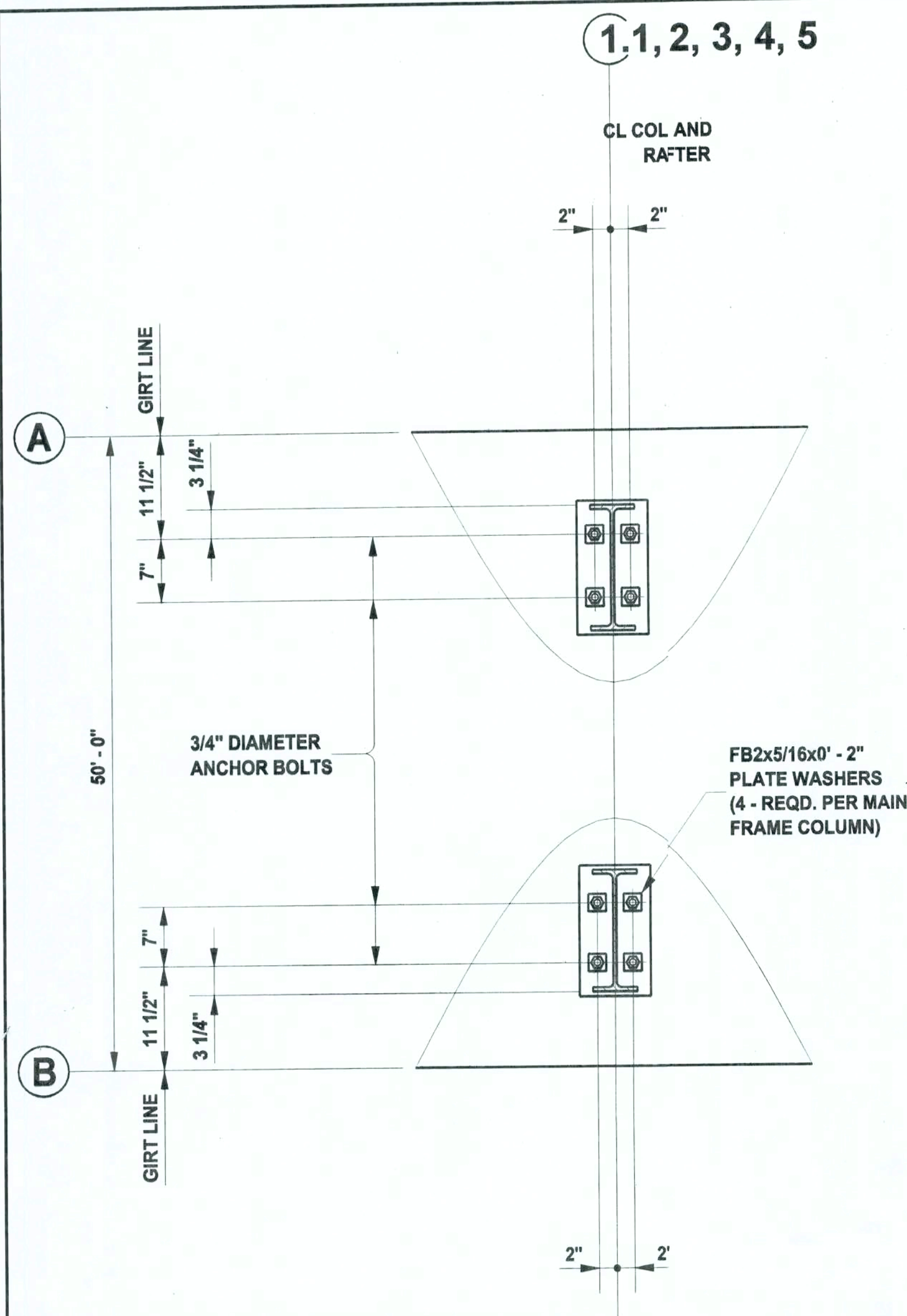
6.2.2.1\*  
Ordinary Hazard  
This storage  
should be ok  
in 2

APPROVED  
(Subject to Revisions)  
Inspection Department  
Lake City Fire Dept.  
State Fire Inspector  
License # 11287  
By Paul E. Hines Date: 12/4/04





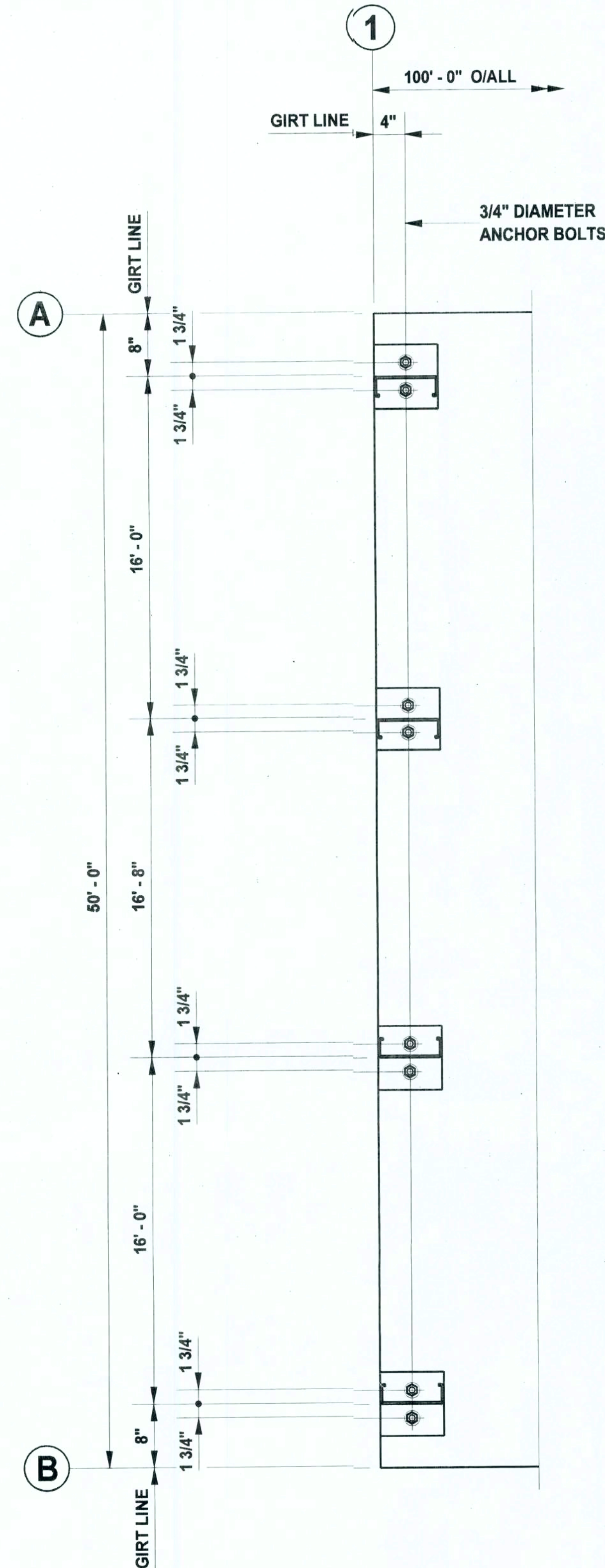




DETAIL AT RIGID FRAME COLUMN BASE

DETAIL 1  
AB2

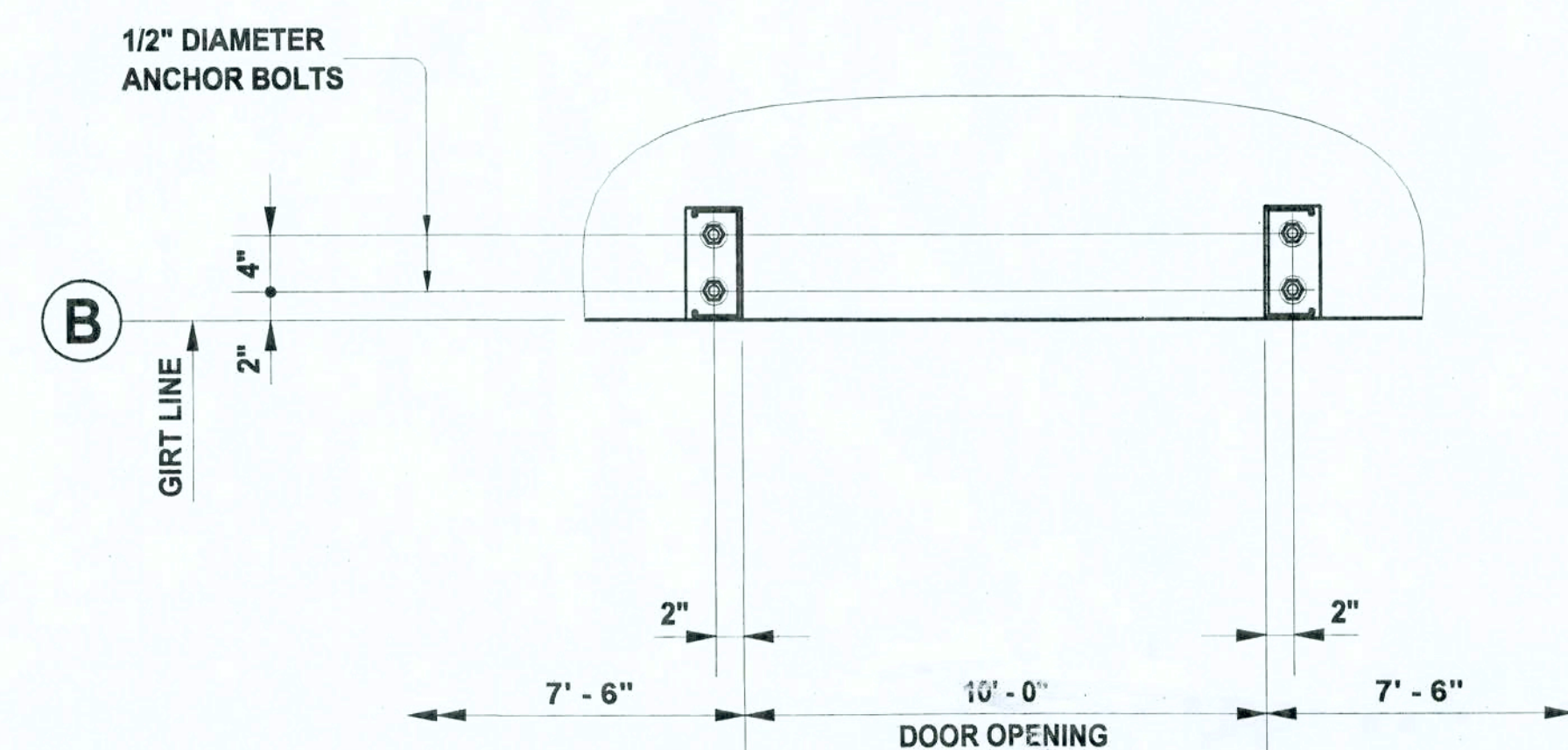
NOTE: ANCHOR BOLTS SHALL HAVE  
2 1/2" PROJECTION ABOVE TOP OF SLAB.



DETAIL AT STANDARD ENDWALL COLUMN BASE

DETAIL 2  
AB2

NOTE: ANCHOR BOLTS SHALL HAVE  
2 1/2" PROJECTION ABOVE TOP OF SLAB.



DETAIL AT STANDARD SIDEWALL DOOR JAMB BASE

DETAIL 3  
AB2

NOTE: ANCHOR BOLTS SHALL HAVE  
2 1/2" PROJECTION ABOVE TOP OF SLAB.

NOTE:  
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1) Letter of Design Certification  
2) General Notes / Specifications  
3) Reactions for Foundation Design

Do NOT proceed with erection without thorough examination and understanding of the General Notes / Specifications. If the General Notes / Specifications have been lost or are otherwise missing, contact BSX for a replacement copy before proceeding.

BUILDING MANUFACTURER:  
**BSX**  
BUILDING SYSTEMS EXPRESS  
P.O. BOX 860  
THOMASVILLE, GEORGIA 31799  
1-800-279-9455, FAX (912) 226-6874  
email: binman@rose.net

**RICHARD A. POWELL**  
PROFESSIONAL ENGINEER  
FL LICENSE NO. 40676  
196 Union Hill Road  
Pelham, Georgia 31779

*[Signature]*  
10/18/06

**L & L CONSTRUCTION**  
LAKE CITY, FLORIDA  
50' x 100' x 10' E.H. BUILDING

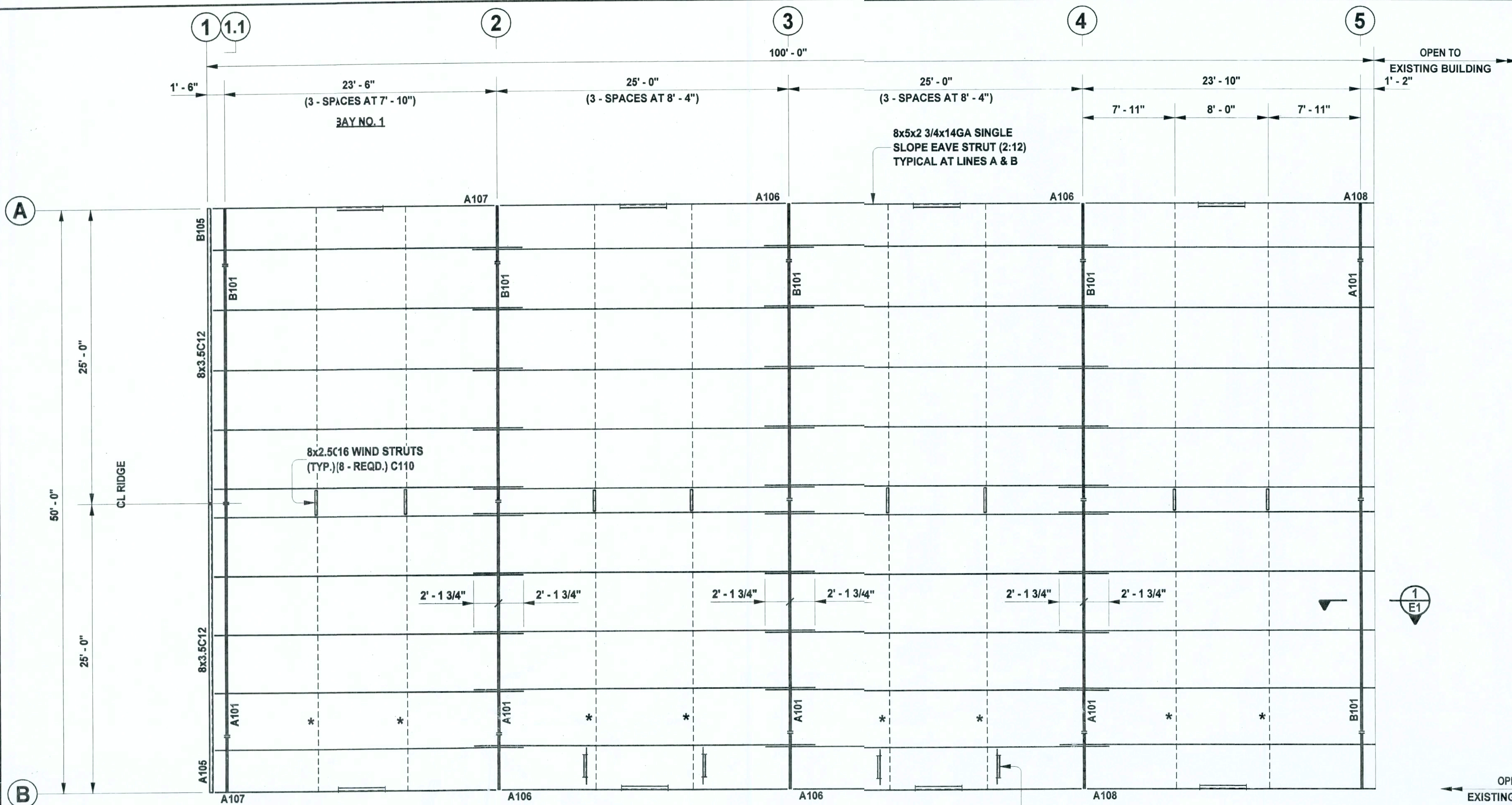
DRAWN J. MILLER  
CHECKED  
JOB NUMBER XF61046  
DATE 10/18/06  
REVISIONS

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WITHOUT PERMISSION AND CREDIT

DRAWING NUMBER  
**AB2**  
ANCHOR BOLT  
DETAILS

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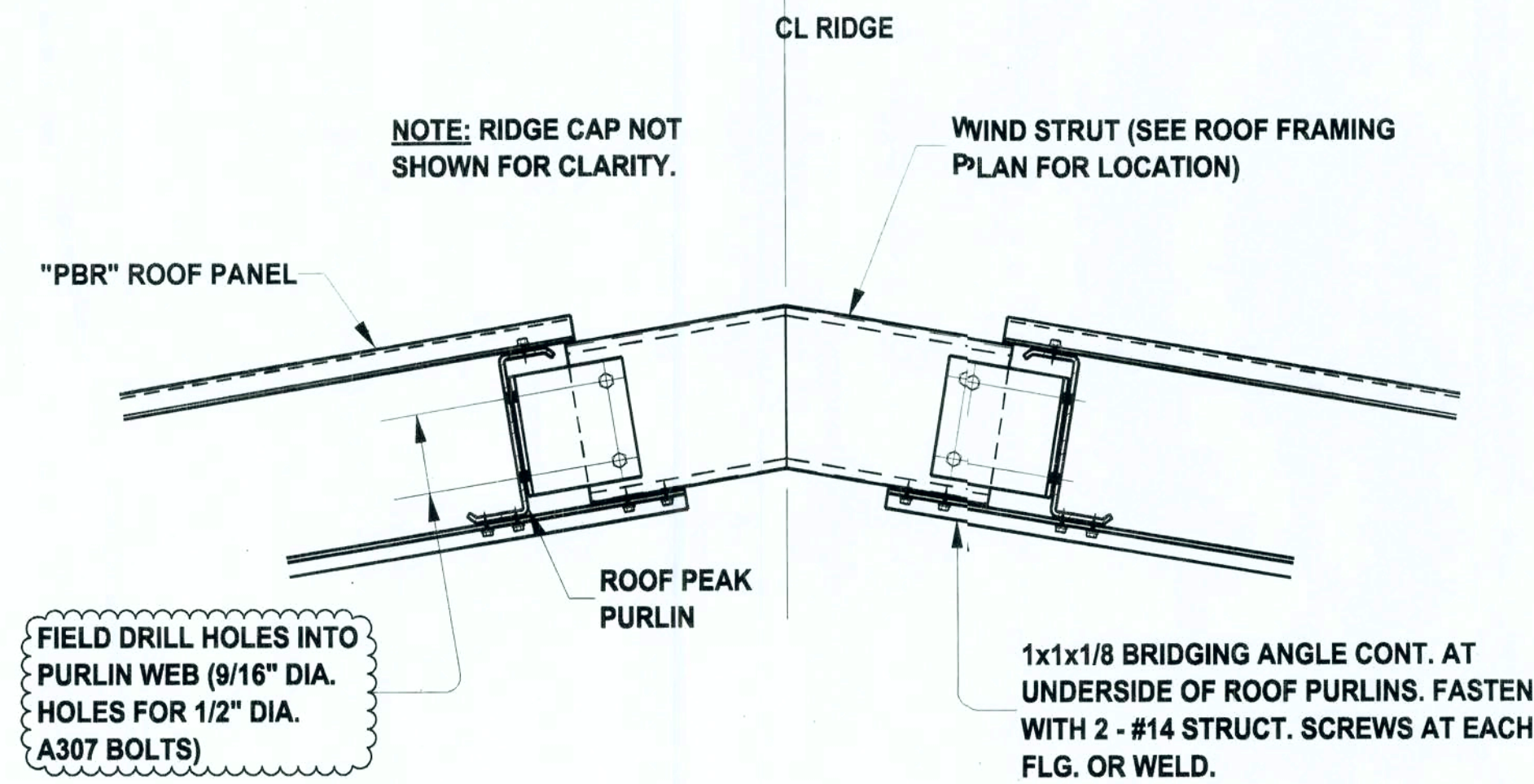




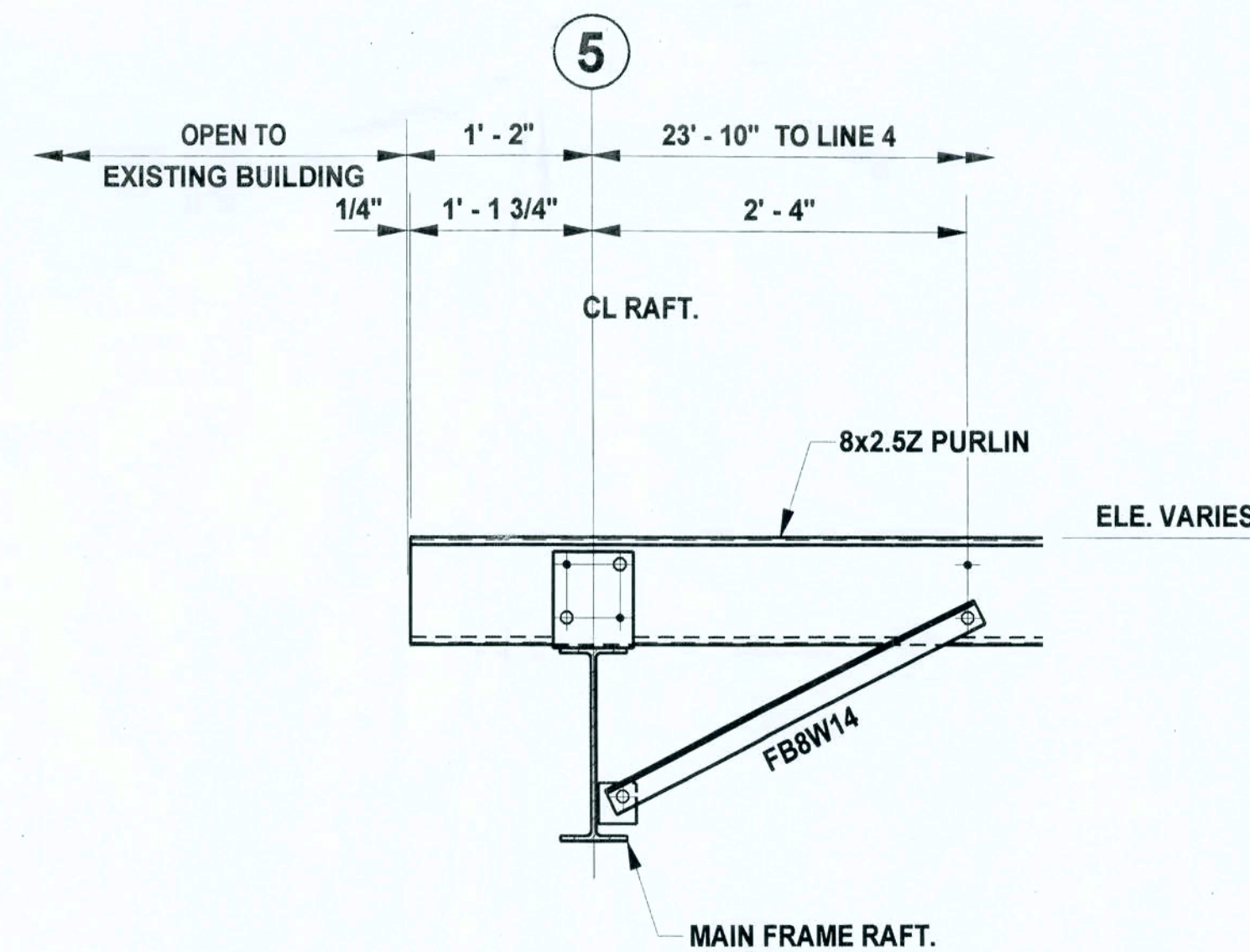
PURLIN LOCATION TABLE				
BAY	P.C. NO.	SECTION	LENGTH FT. IN.	LAP LENGTH FT. IN.
1	P1	8x2.5Z14	26'-9 1/2"	4'-3 1/2"
2	P2	8x2.5Z14	29'-3 1/2"	4'-3 1/2"
3	P2	8x2.5Z14	29'-3 1/2"	4'-3 1/2"
4	P3	8x2.5Z14	27'-1 1/2"	4'-3 1/2"

### ROOF FRAMING PLAN

\*1x1x1/8 BRIDGING ANGLE CONT. AT UNDERSIDE OF ROOF PURLINS. FASTEN WITH 2 - #14 STRUCT. SCREWS AT EACH FLG. OR WELD.



### TYPICAL WIND STRUT INSTALLATION DETAIL



### SECTION 1-E1

#### NOTE:

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Pelham, Georgia 31779

**L & L CONSTRUCTION**  
LAKE CITY, FLORIDA  
50' x 100' x 10' E.H. BUILDING

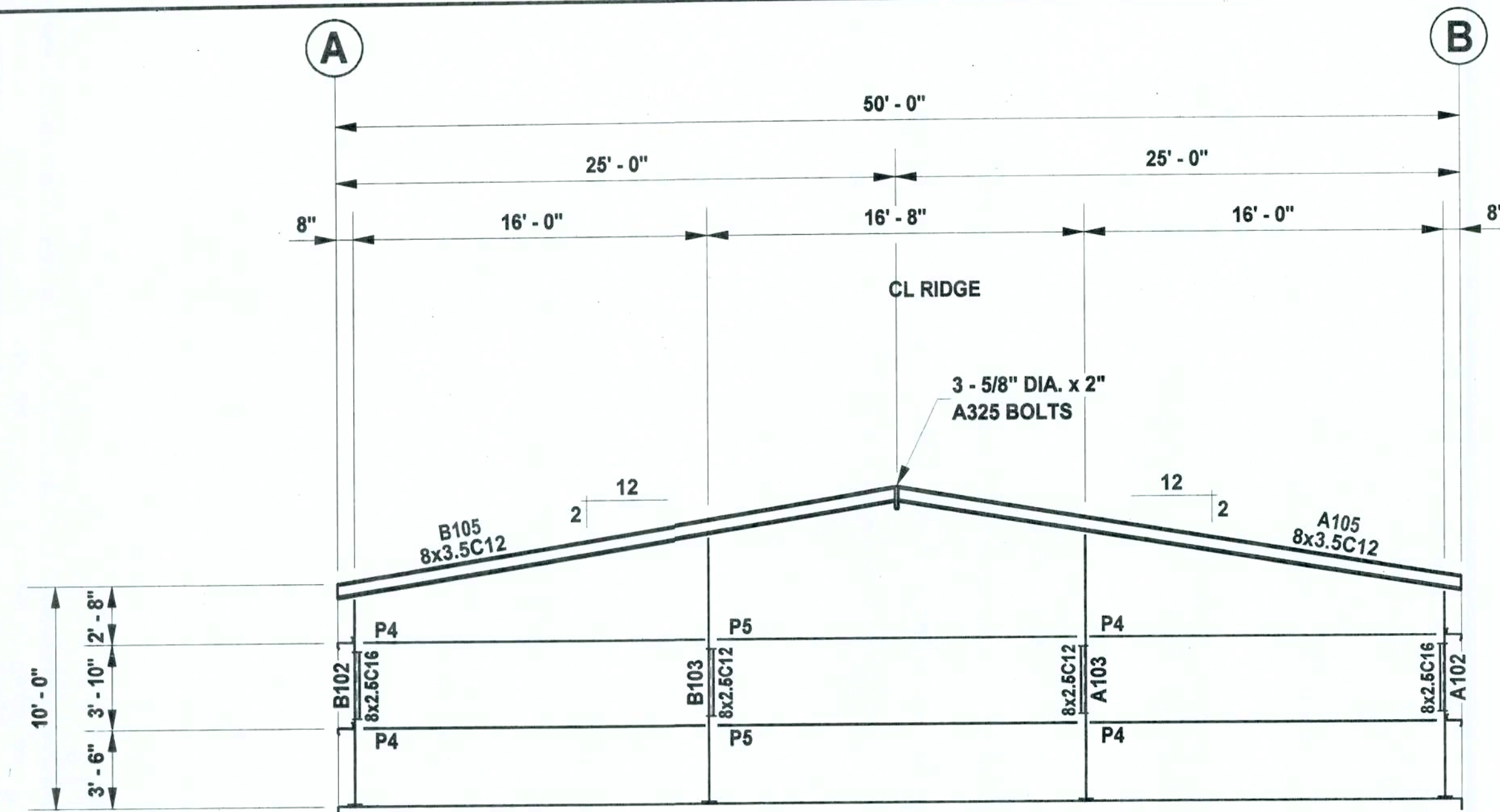
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DATE 10/18/06  
REVISIONS

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DRAWING NUMBER  
**E1**  
ROOF FRAMING PLAN

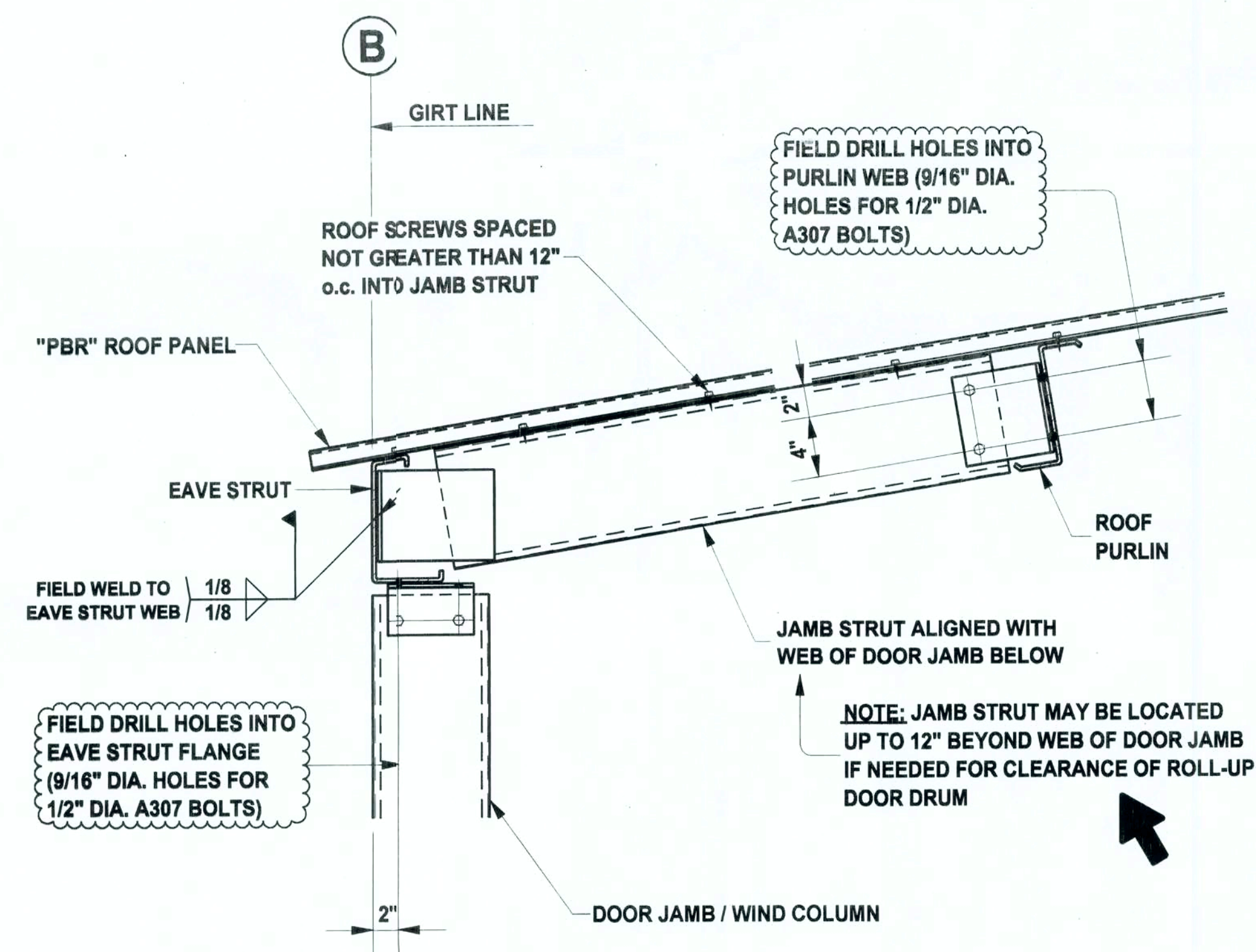
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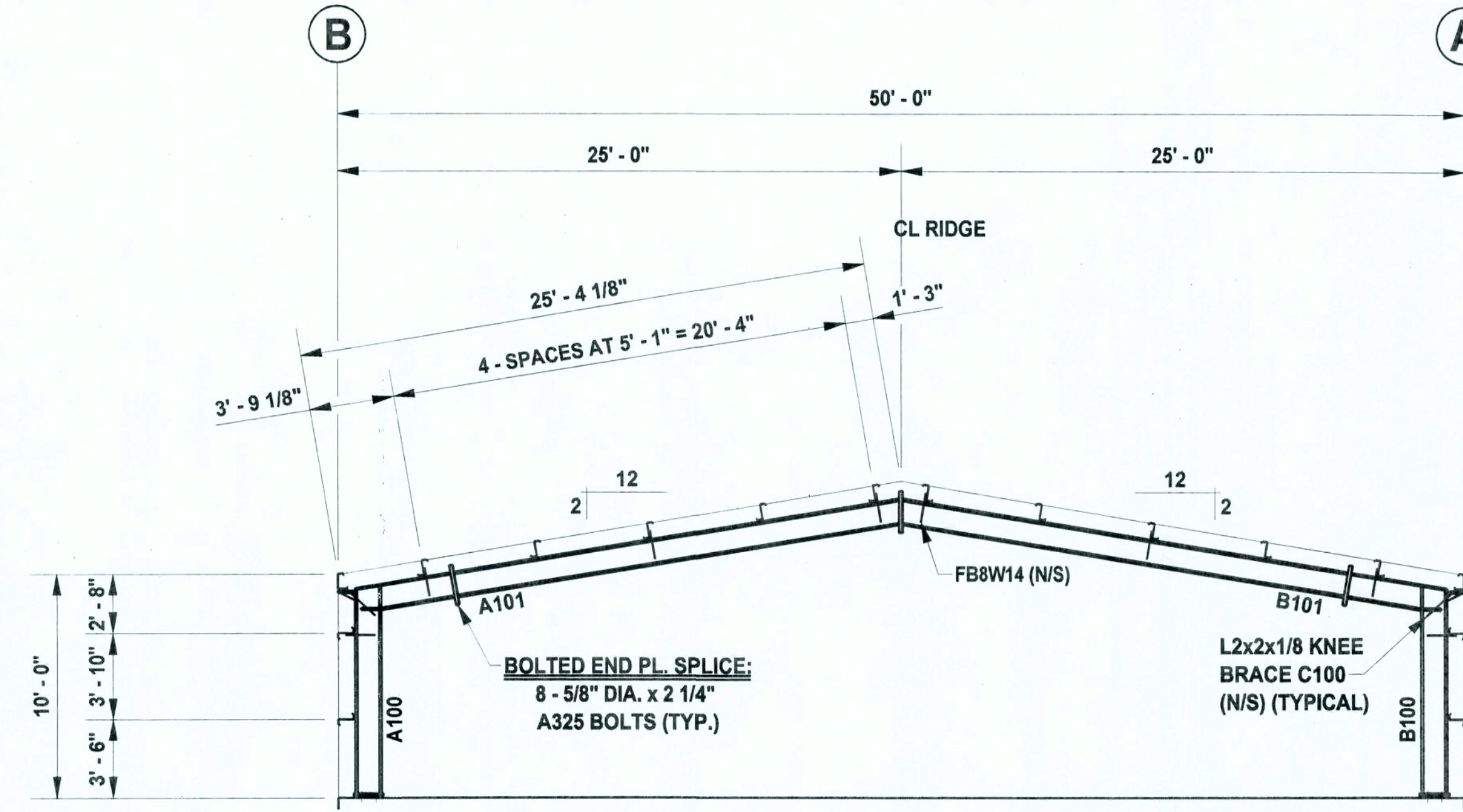
**FRAMING ELEVATION AT LINE 1**

NOTE: ALL GIRTS AT LINE 1 SHALL BE 8x2.5Z16

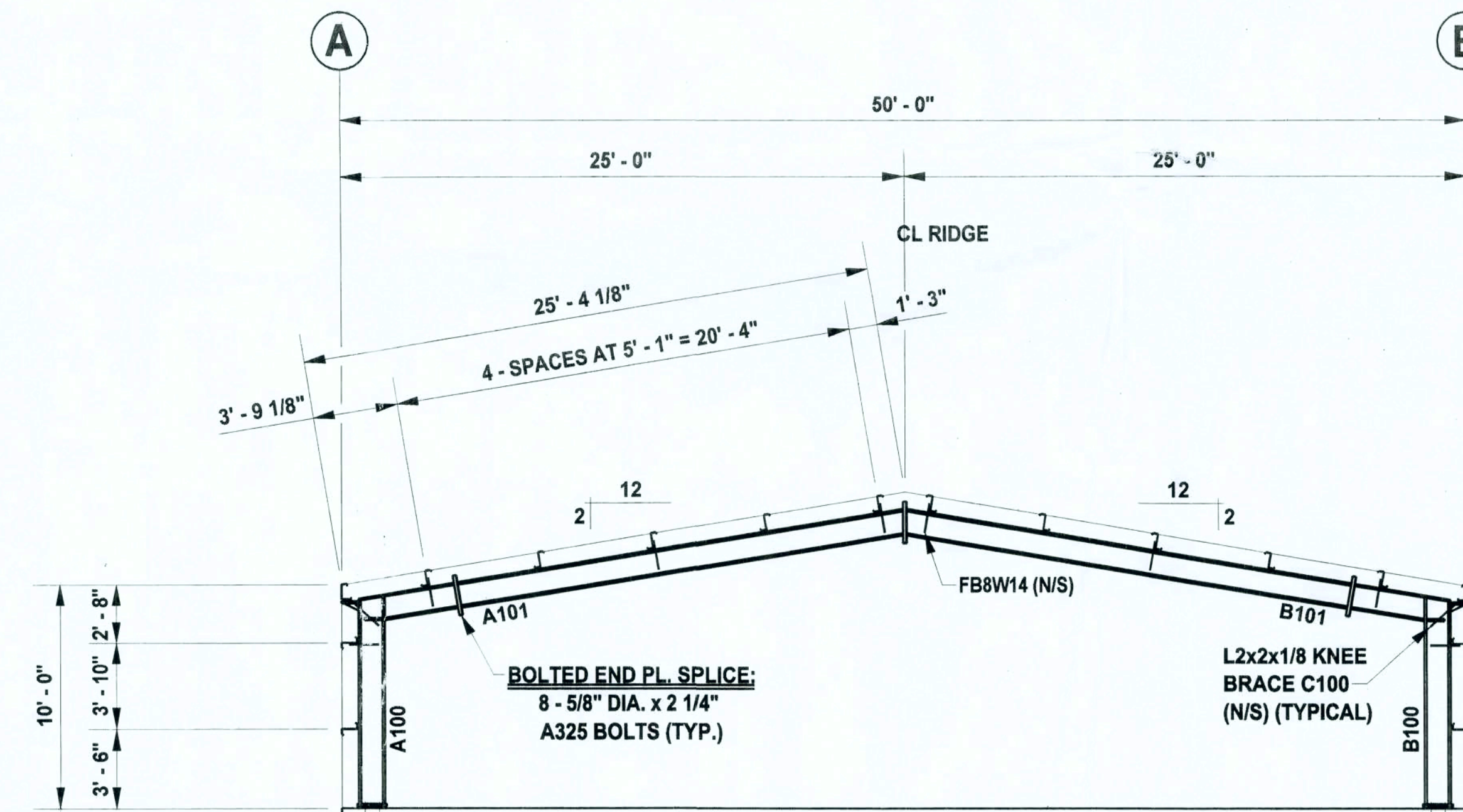


NOTE: WALL PANELS AND TRIM NOT SHOWN IN THIS VIEW FOR CLARITY.

**TYPICAL DOOR JAMB / JAMB STRUT INSTALLATION DETAIL**



**FRAMING ELEVATION AT LINES 1.1, 2, 3, 4**



**FRAMING ELEVATION AT LINE 5**

**NOTE:**

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*[Signature]*  
10/19/06

**L & L CONSTRUCTION**

LAKE CITY, FLORIDA  
50' x 100' x 10' E.H. BUILDING

DRAWN - J. MILLER  
CHECKED -  
JOB NUMBER XF81046  
DATE 10/19/06  
REVISIONS

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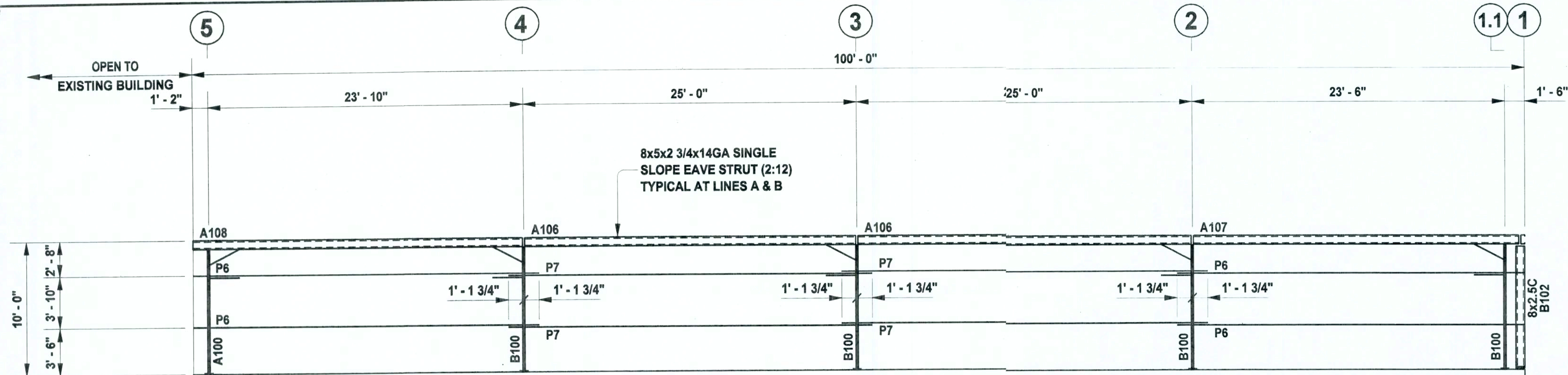
DRAWING NUMBER

**E2**

FRAMING ELEVATIONS

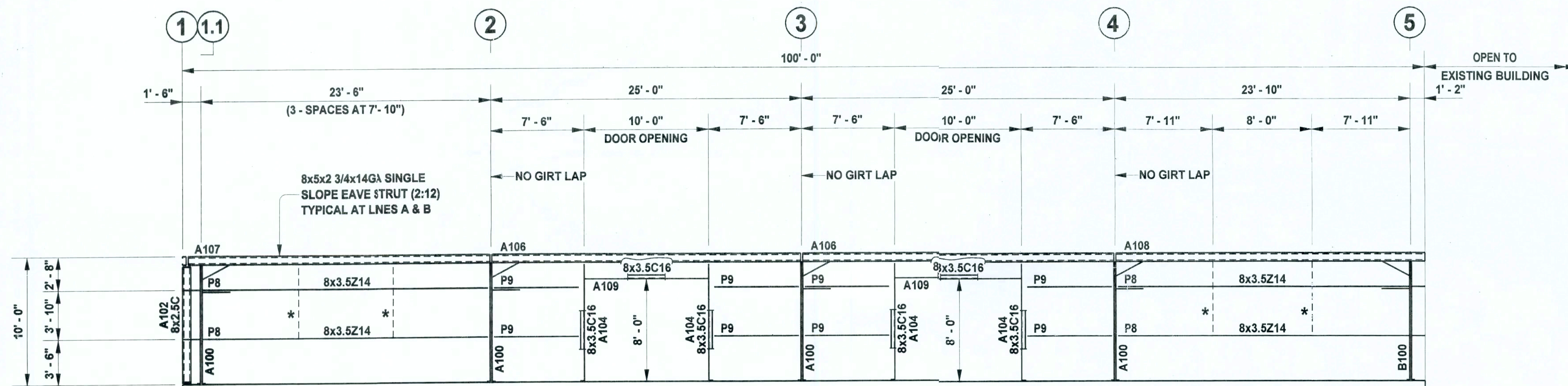
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### FRAMING ELEVATION AT LINE A

NOTE: ALL GIRTS AT LINE A SHALL BE 8x2.5Z16



### FRAMING ELEVATION AT LINE B

NOTE: ALL GIRTS AT LINE B SHALL BE 8x2.5Z16 (U.N.O.)

NOTE: DOORS ARE NOT FURNISHED BY BSX. HOWEVER, DOORS MUST BE DESIGNED AS "COMPONENTS & CLADDING" TO PROTECT THE BUILDING ENVELOPE AND MAINTAIN AN "ENCLOSED" WIND LOAD CLASSIFICATION FOR THE STRUCTURE.

\* 1x1x1/8 BRIDGING ANGLE AT INSIDE FLG. OF GIRTS. FASTEN WITH 2 - #14 STRUCT. SCREWS AT EACH FLG. OR WELD.

NOTE:  
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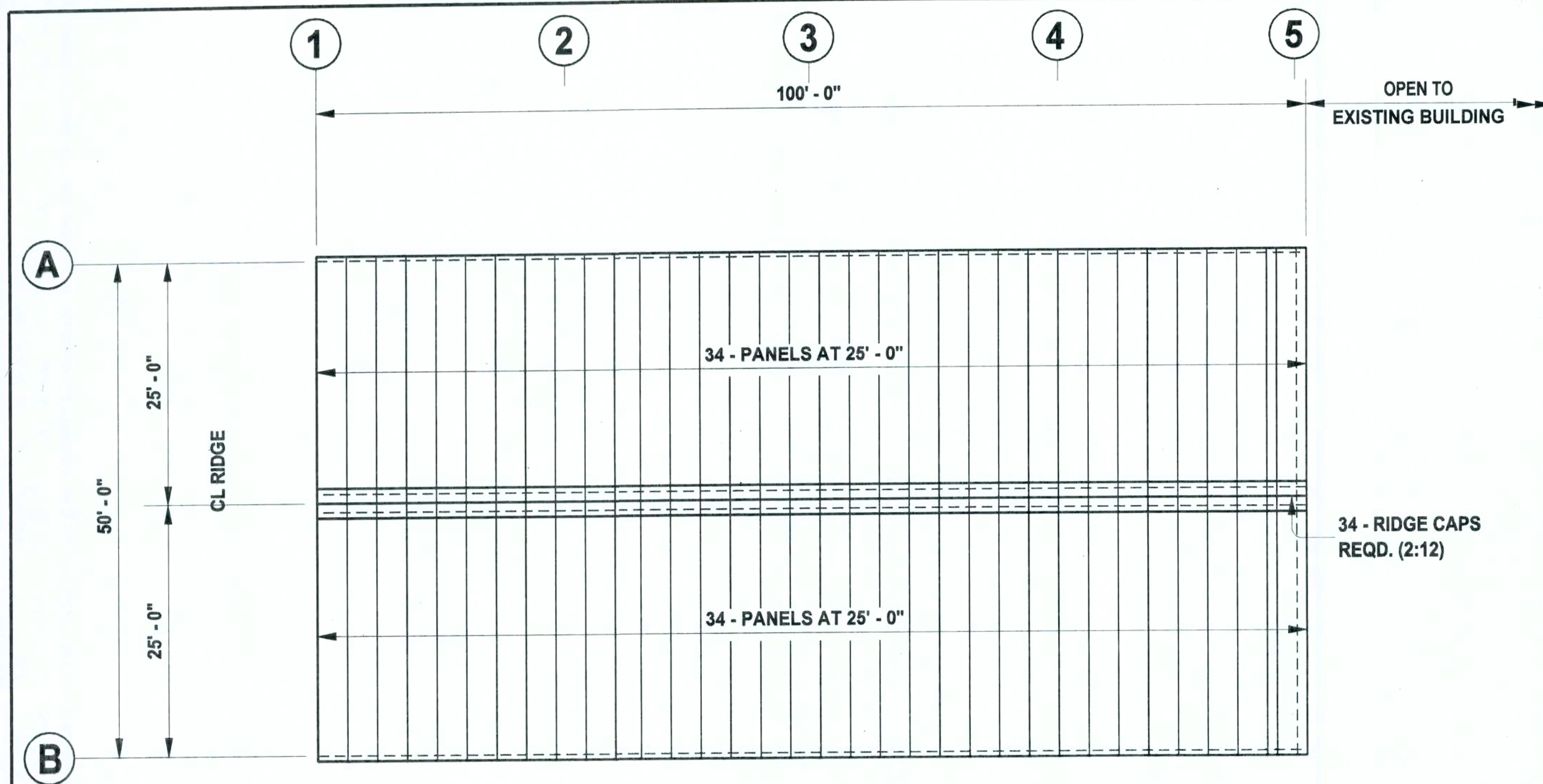
**L & L CONSTRUCTION**  
LAKE CITY, FLORIDA  
50' x 100' x 10' E.H. BUILDING

DRAWN J. MILLER  
CHECKED  
JOB NUMBER XF61046  
DATE 10/18/06  
REVISIONS

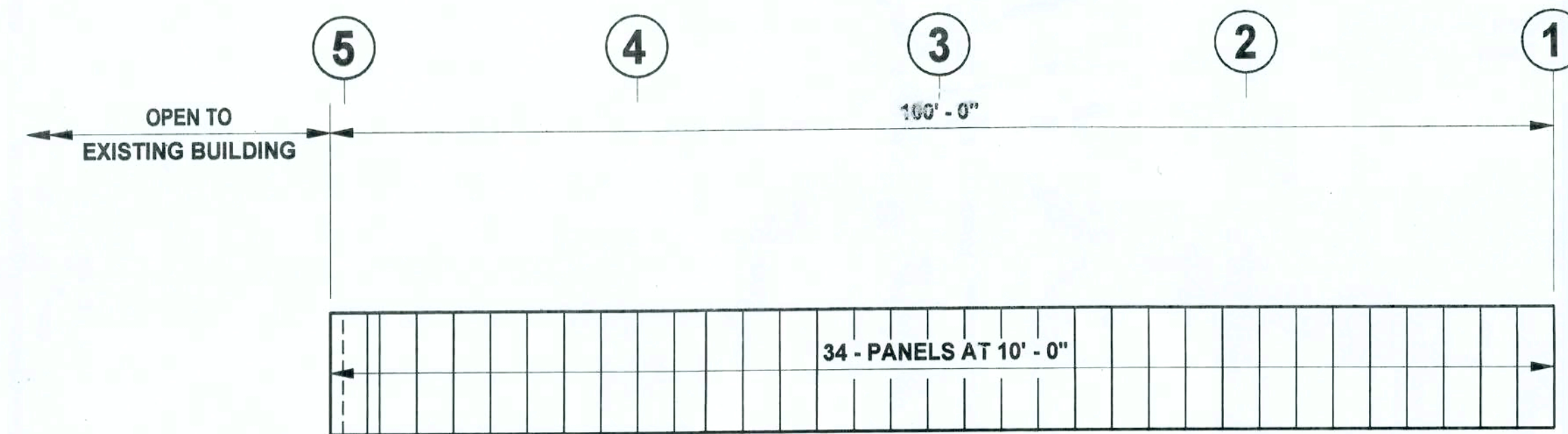
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DRAWING NUMBER  
**E3**  
FRAMING ELEVATIONS  
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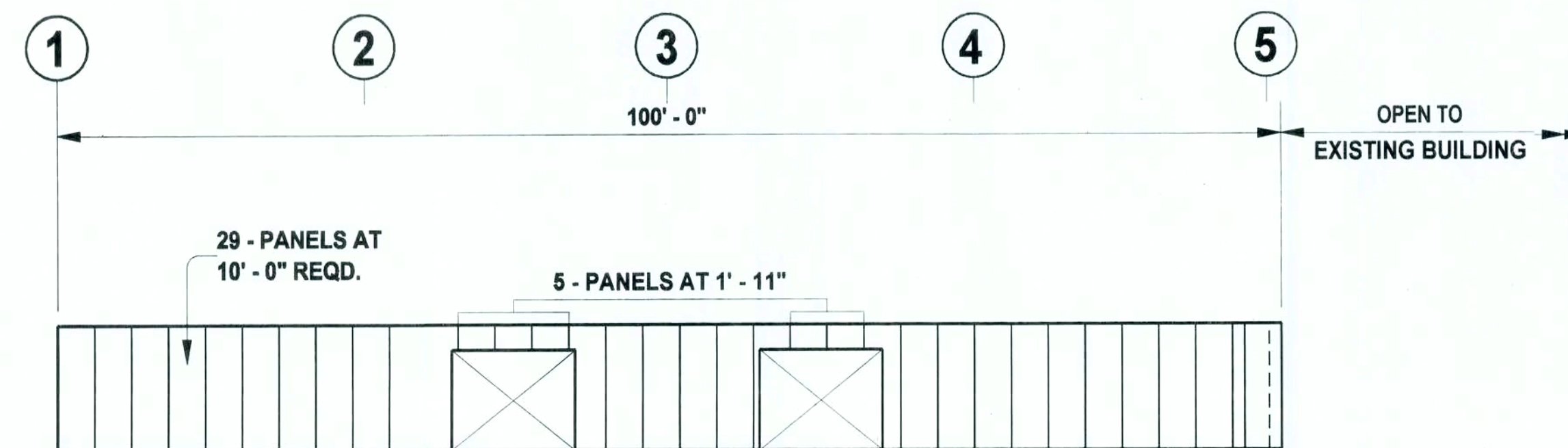




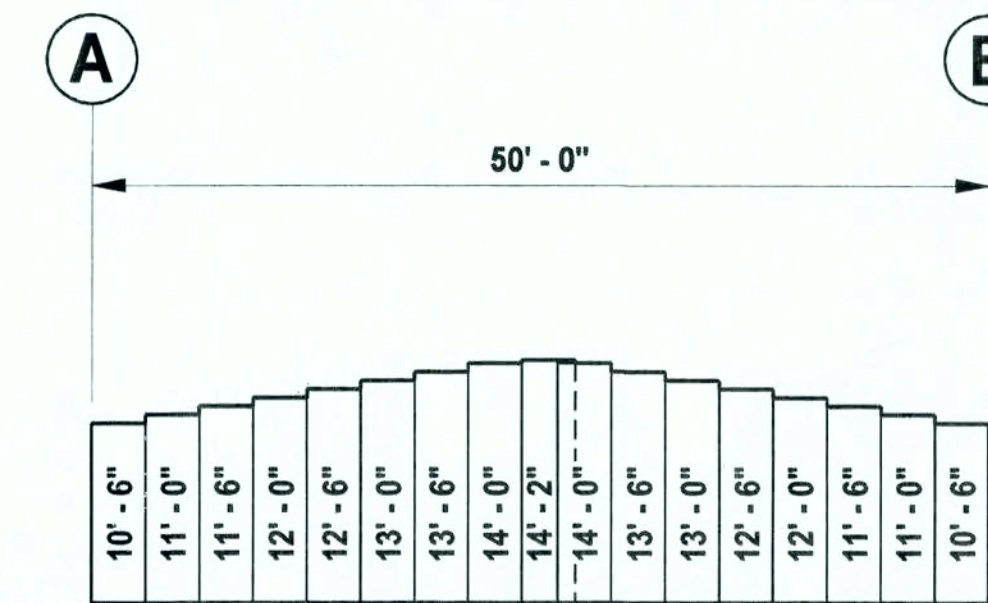
**ROOF PANEL PLAN**



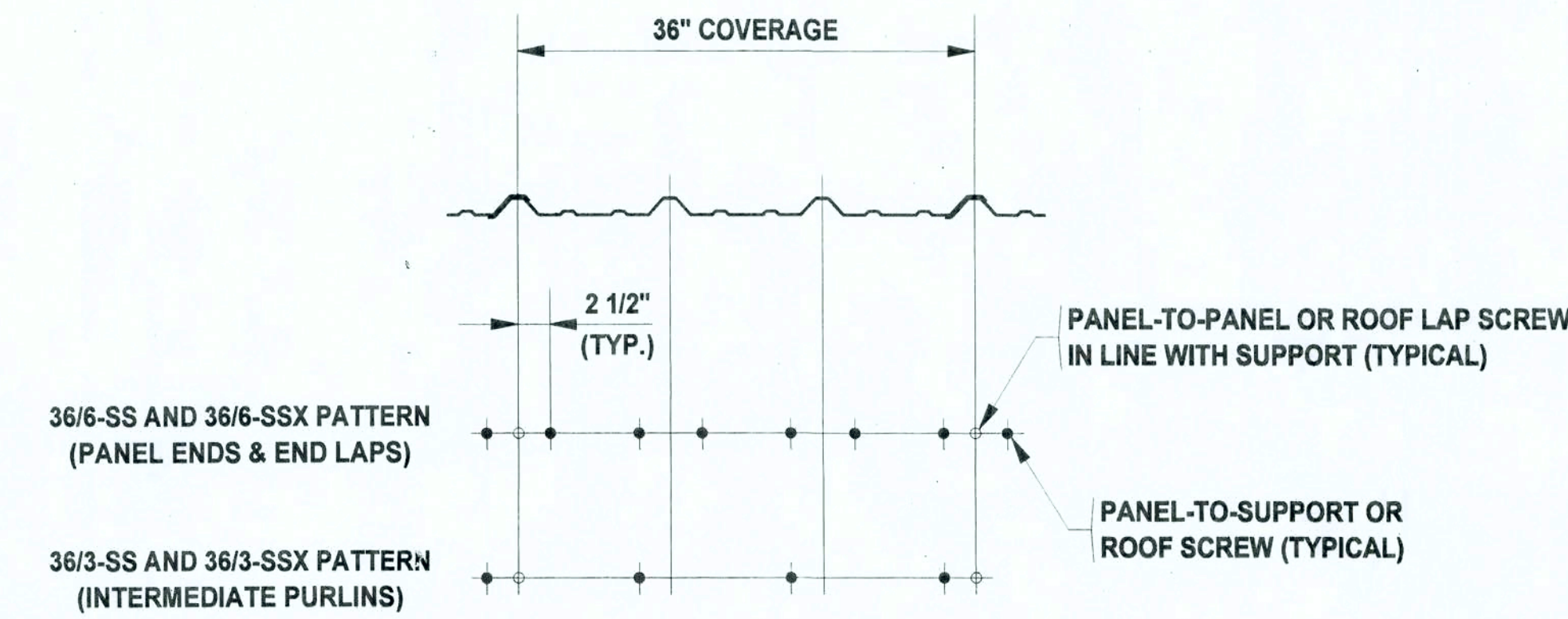
**SIDEWALL PANELS AT LINE A**



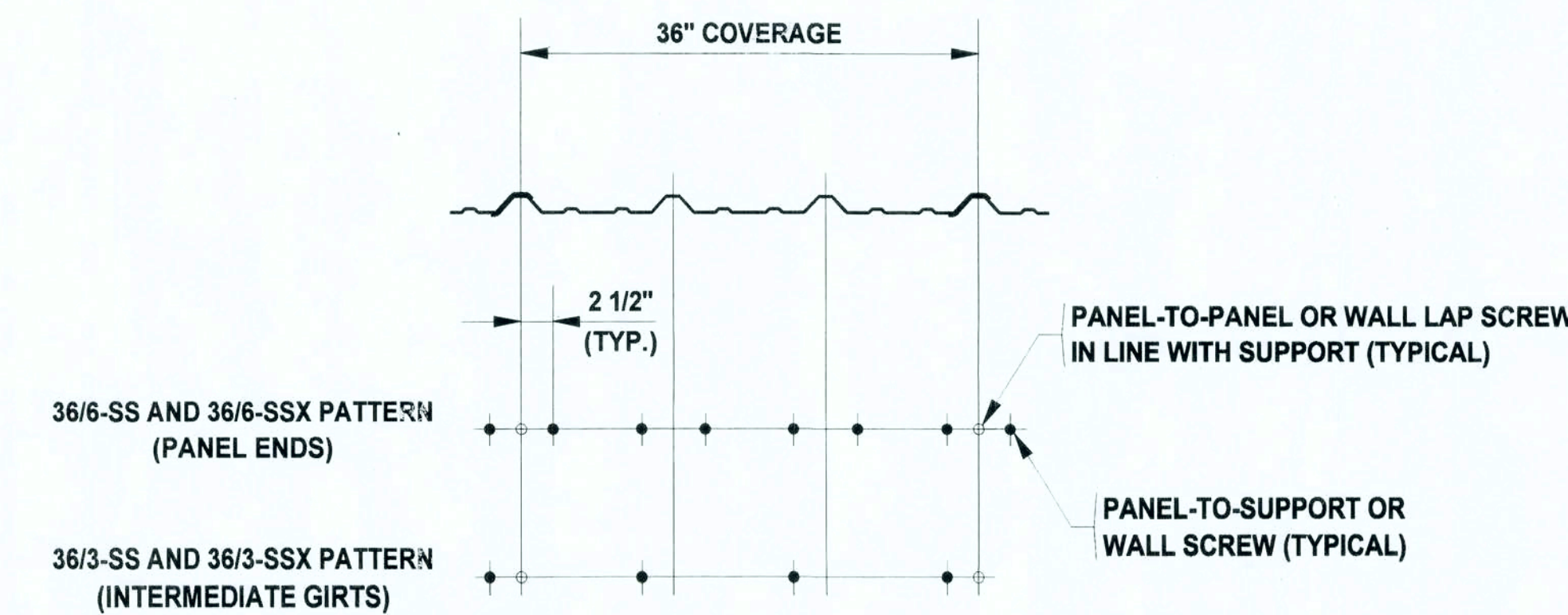
**SIDEWALL PANELS AT LINE B**



**ENDWALL PANELS AT LINE 1**



**ROOF PANELS**  
FASTENER PATTERN DIAGRAM FOR  
WHIRLWIND "SUPER SPAN" AND "SUPER SPAN X" PANEL



**WALL PANELS**  
FASTENER PATTERN DIAGRAM FOR  
WHIRLWIND "SUPER SPAN" AND "SUPER SPAN X" PANEL

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*[Signature]*  
10/24/06

**L & L CONSTRUCTION**  
LAKE CITY, FLORIDA  
50' x 100' x 10' E.H. BUILDING

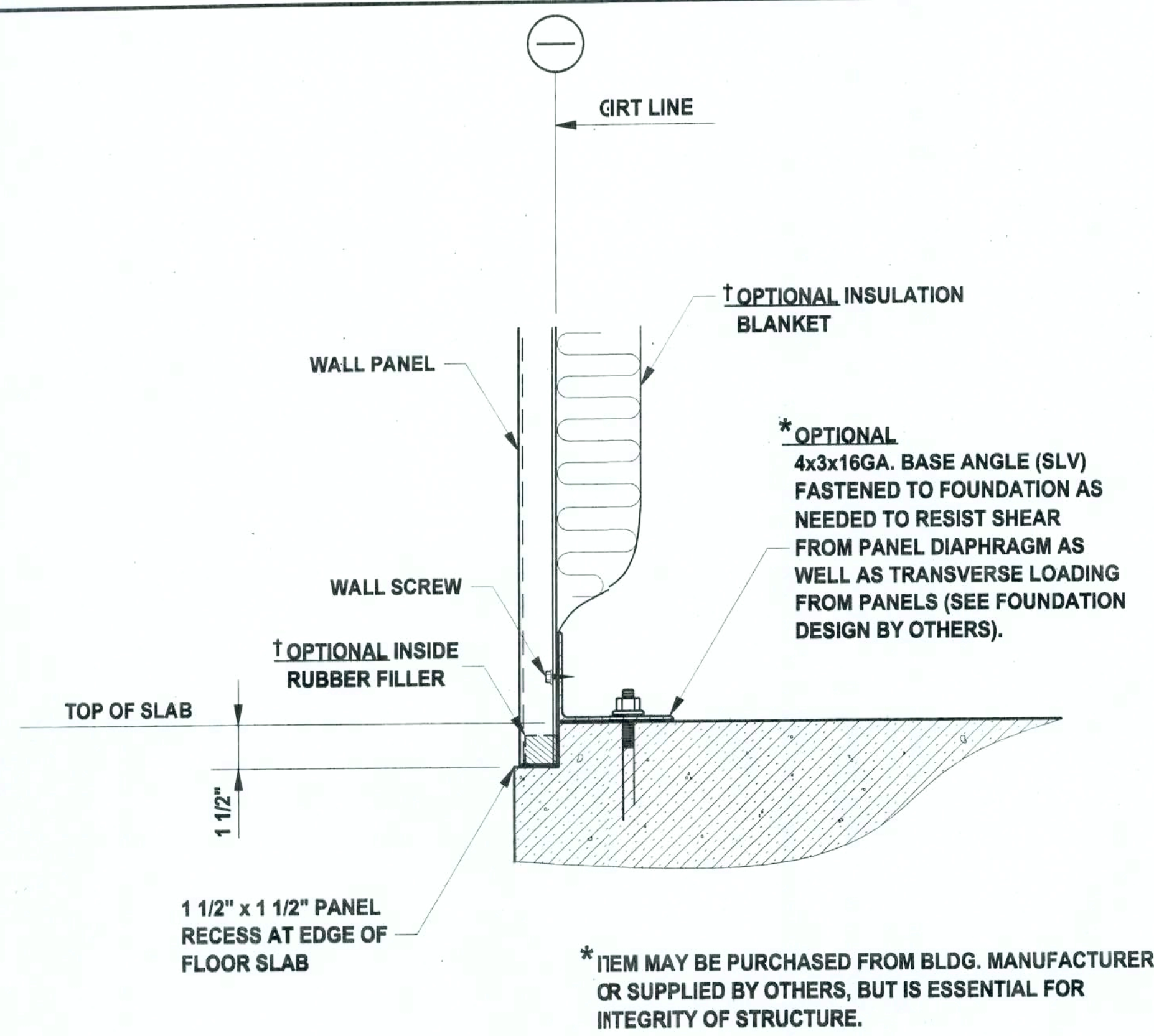
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REVISIONS

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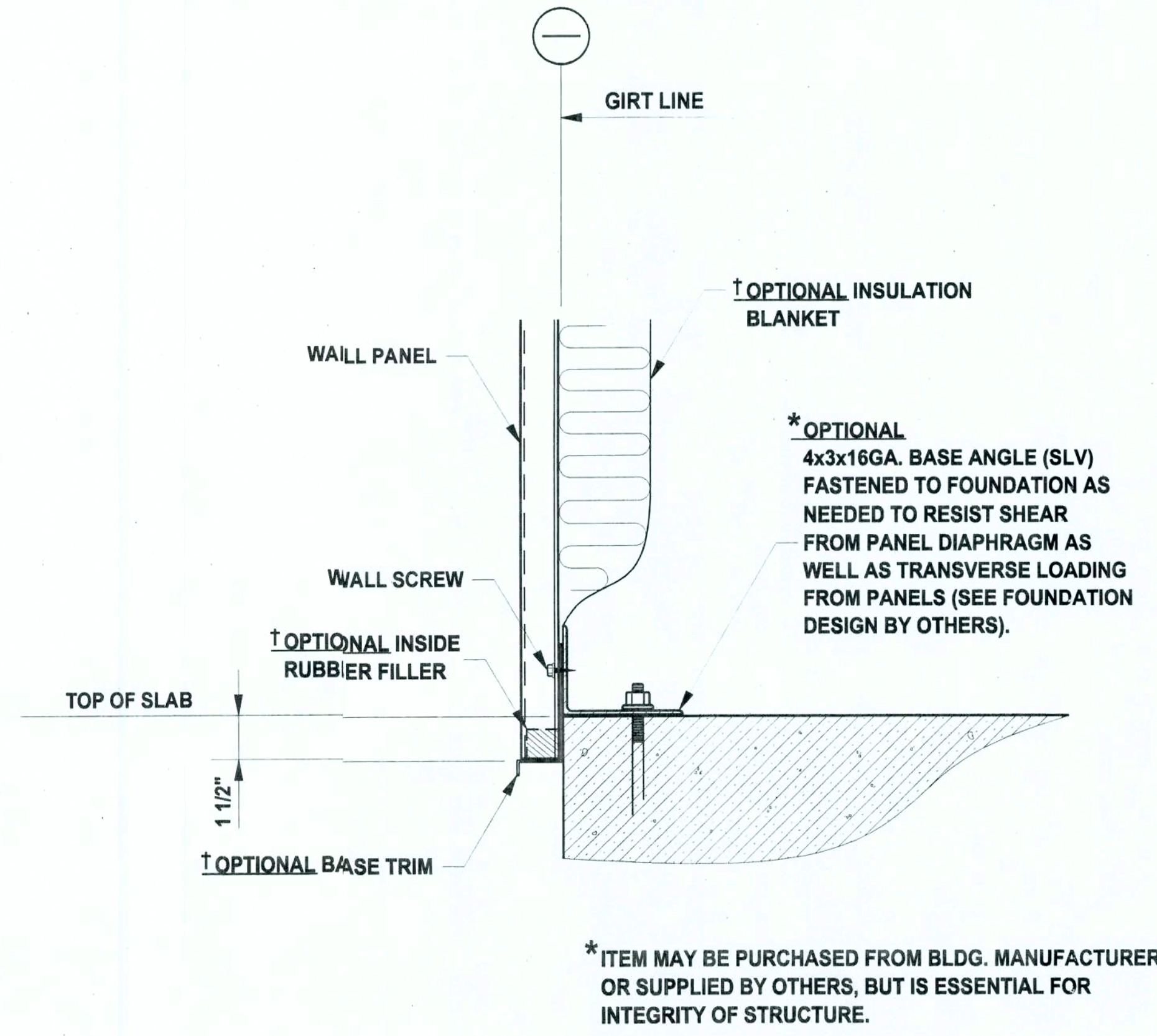
**DRAWING NUMBER**  
**E4**  
**PANEL PLANS**

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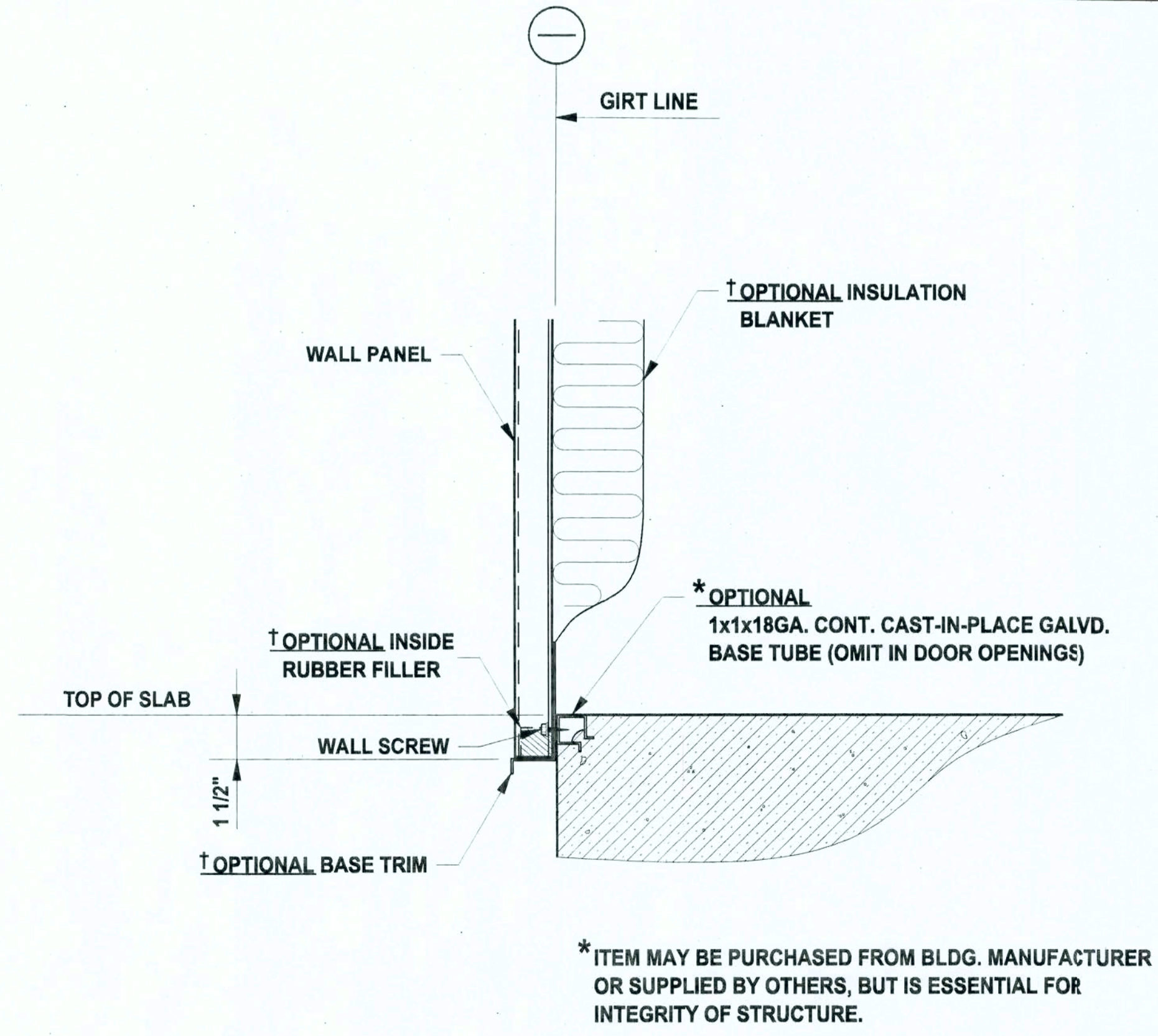




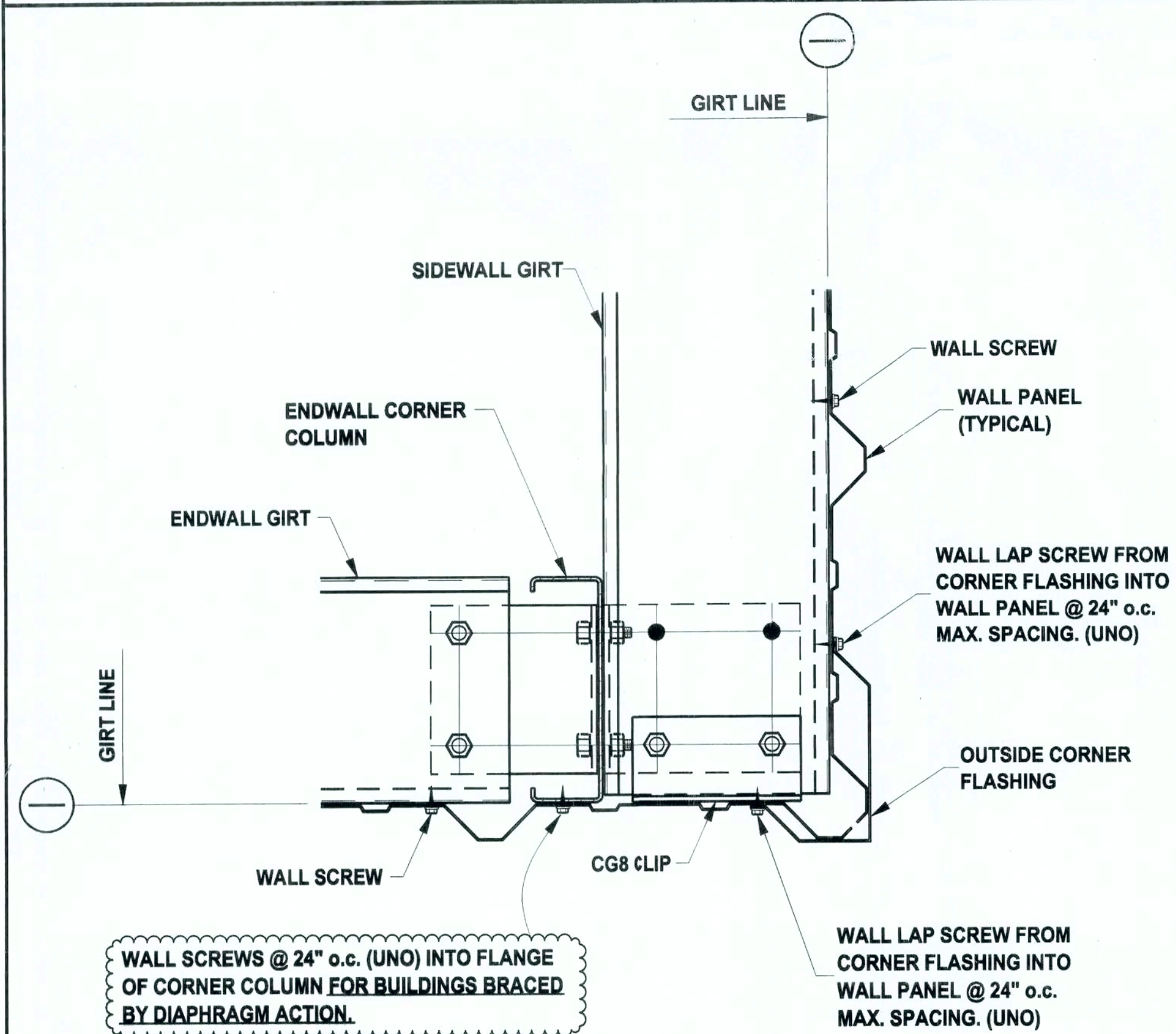
**TYPICAL DETAIL AT BASE OF WALL WITH PANEL RECESS FORMED IN FLOOR SLAB**  
(TYPE "R" OR "PBR" WALL PANEL)



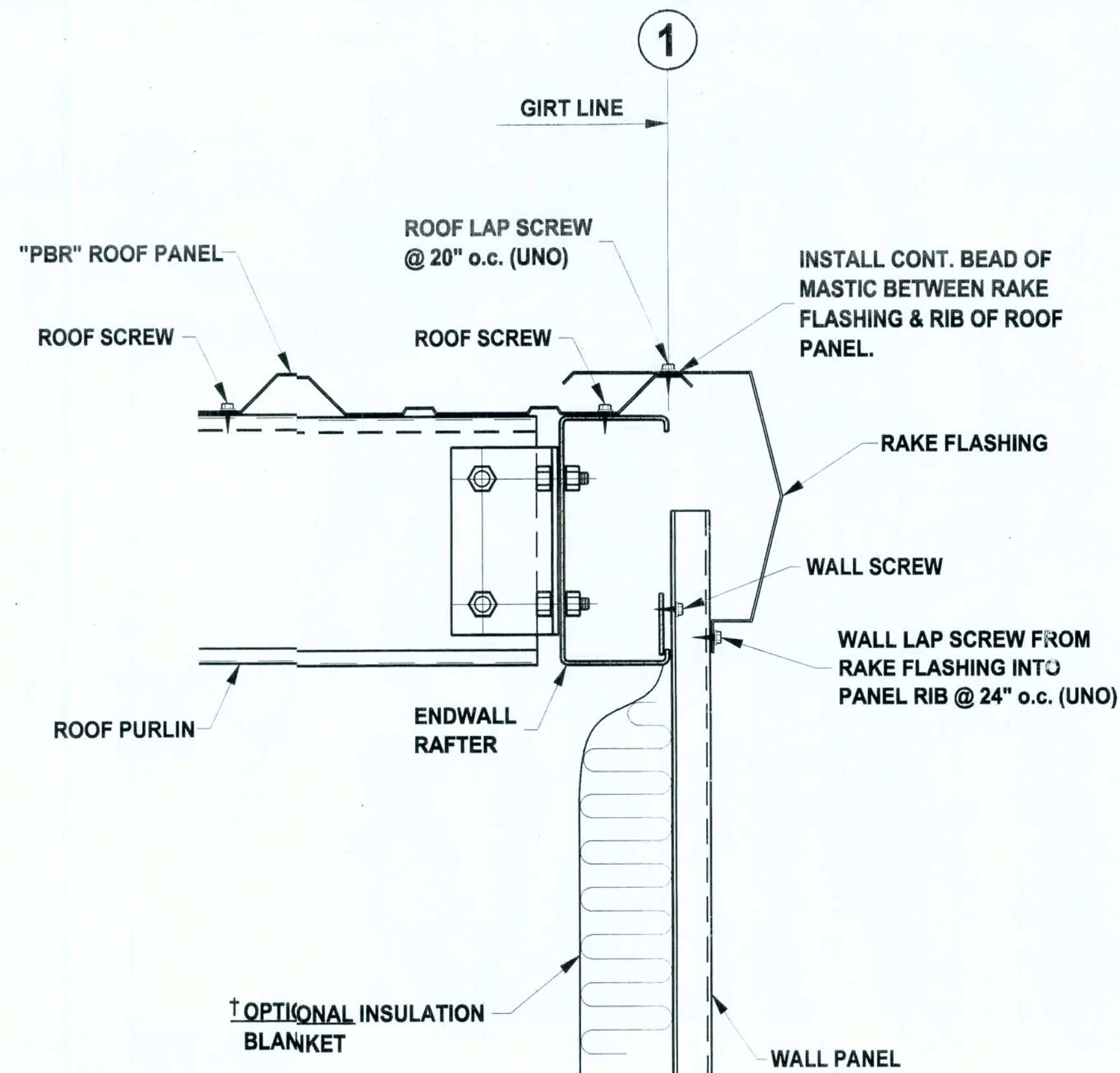
**TYPICAL DETAIL AT BASE OF WALL WITH BASE ANGLE (W/O FORMED PANEL RECESS)**  
(TYPE "R" OR "PBR" WALL PANEL)



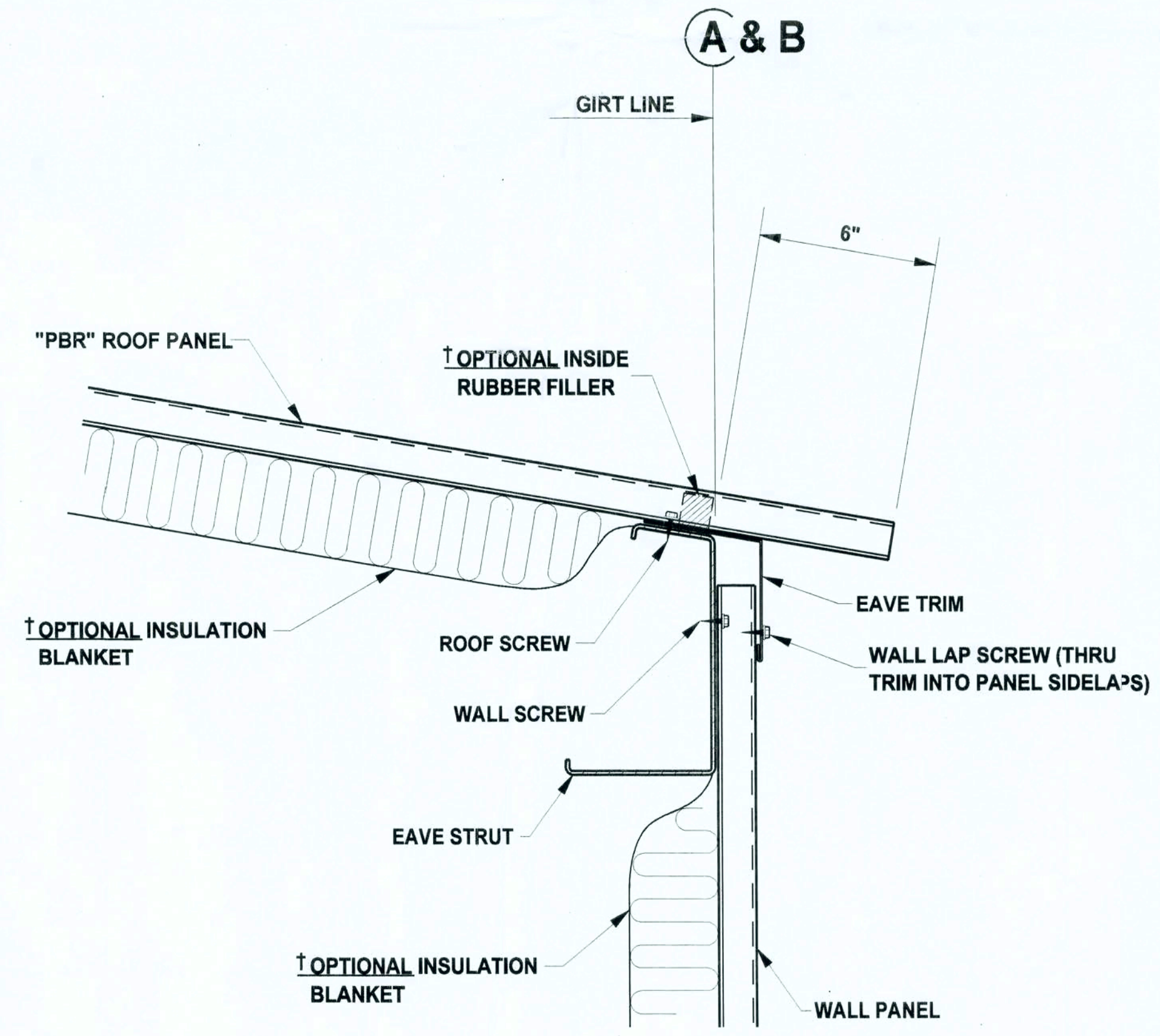
**TYPICAL DETAIL AT BASE OF WALL WITH BASE TUBE (W/O FORMED PANEL RECESS)**  
(TYPE "R" OR "PBR" WALL PANEL)



**TYPICAL OUTSIDE CORNER DETAIL AT POST AND BEAM ENDWALL**  
(TYPE "R" OR "PBR" WALL PANEL)



**TYPICAL RAKE DETAIL AT POST AND BEAM ENDWALL**  
(TYPE "R" OR "PBR" WALL PANEL)



**TYPICAL EAVE DETAIL**  
(TYPE "R" OR "PBR" WALL PANEL)

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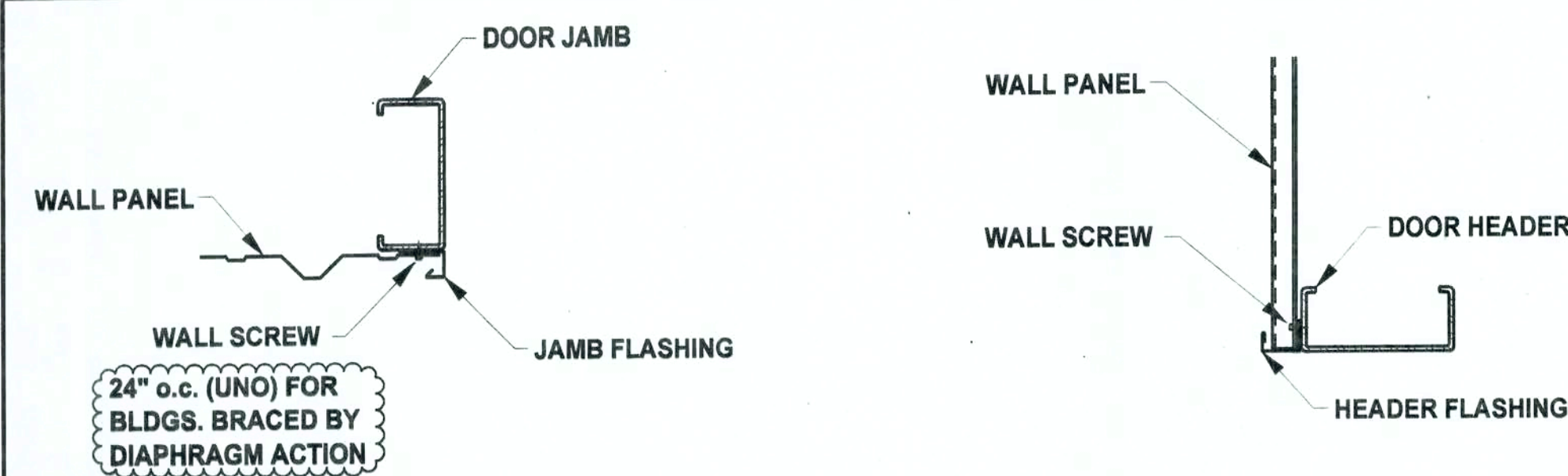
**L & L CONSTRUCTION**  
LAKE CITY, FLORIDA  
50' x 100' x 10' E.H. BUILDING

DRAWN J. MILLER  
CHECKED  
JOB NUMBER XF81046  
DATE 10/18/06  
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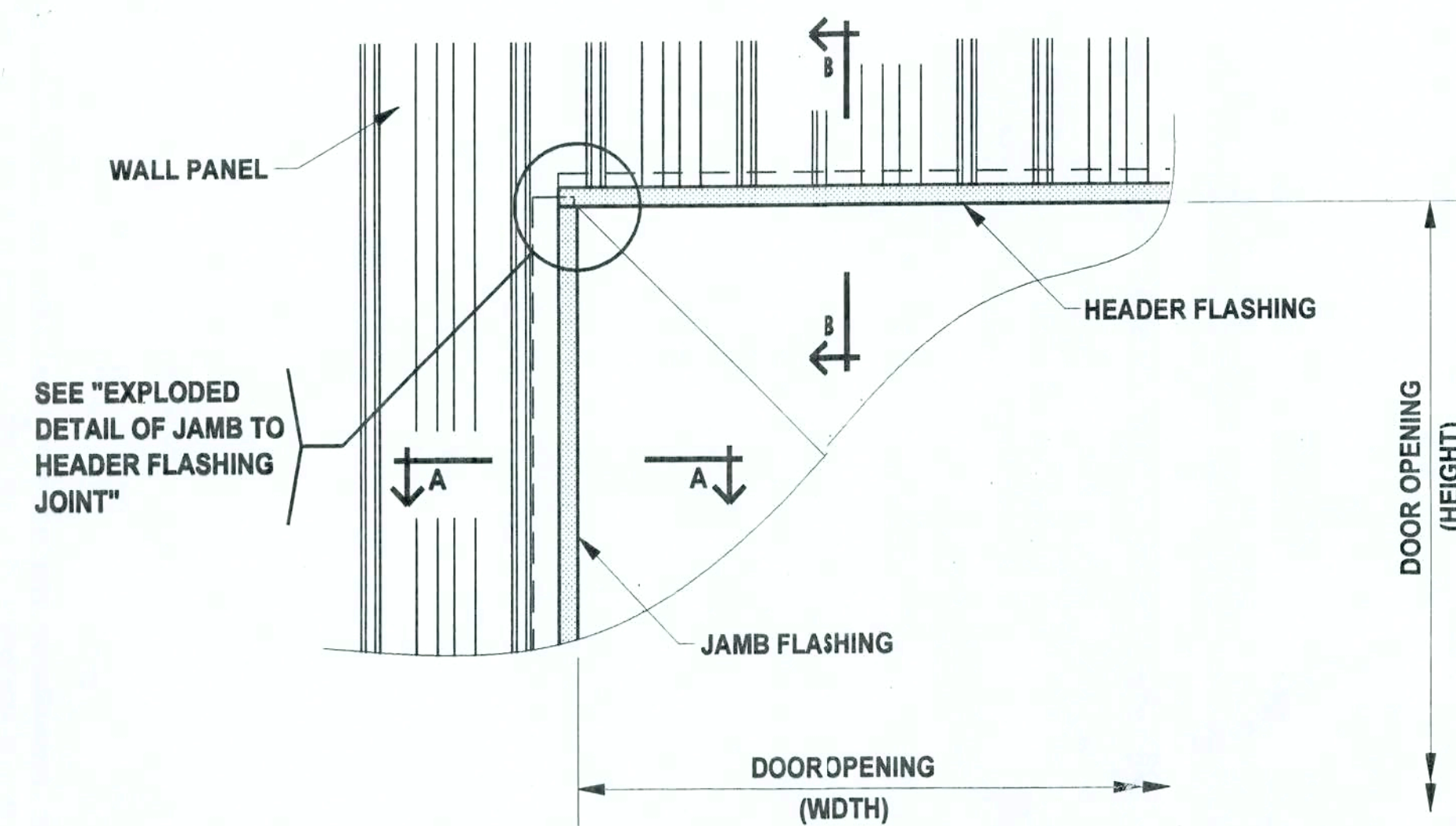
DRAWING NUMBER  
**E5**  
FLASHING DETAILS  
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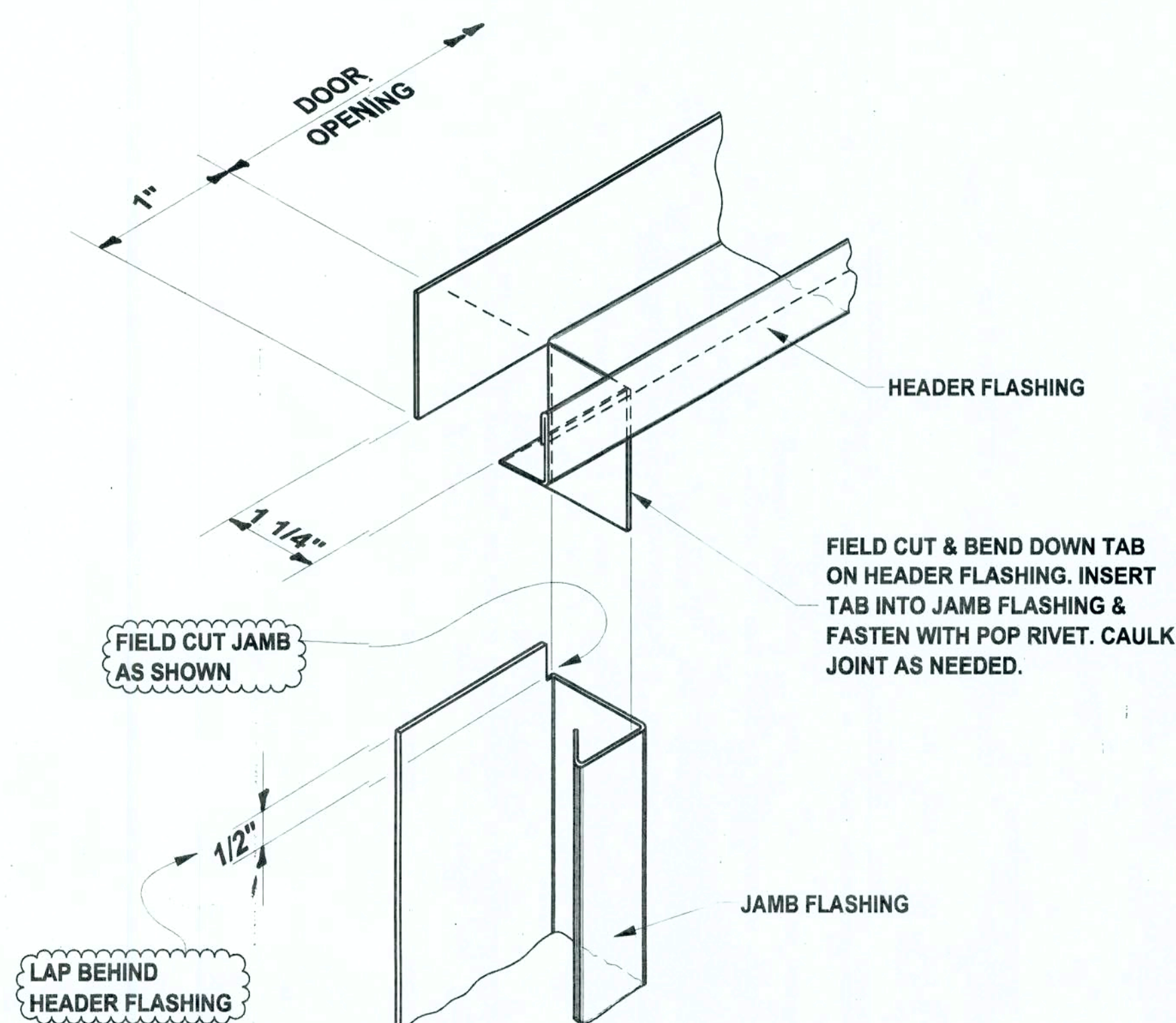
**SECT. A - A**

**SECT. B - B**

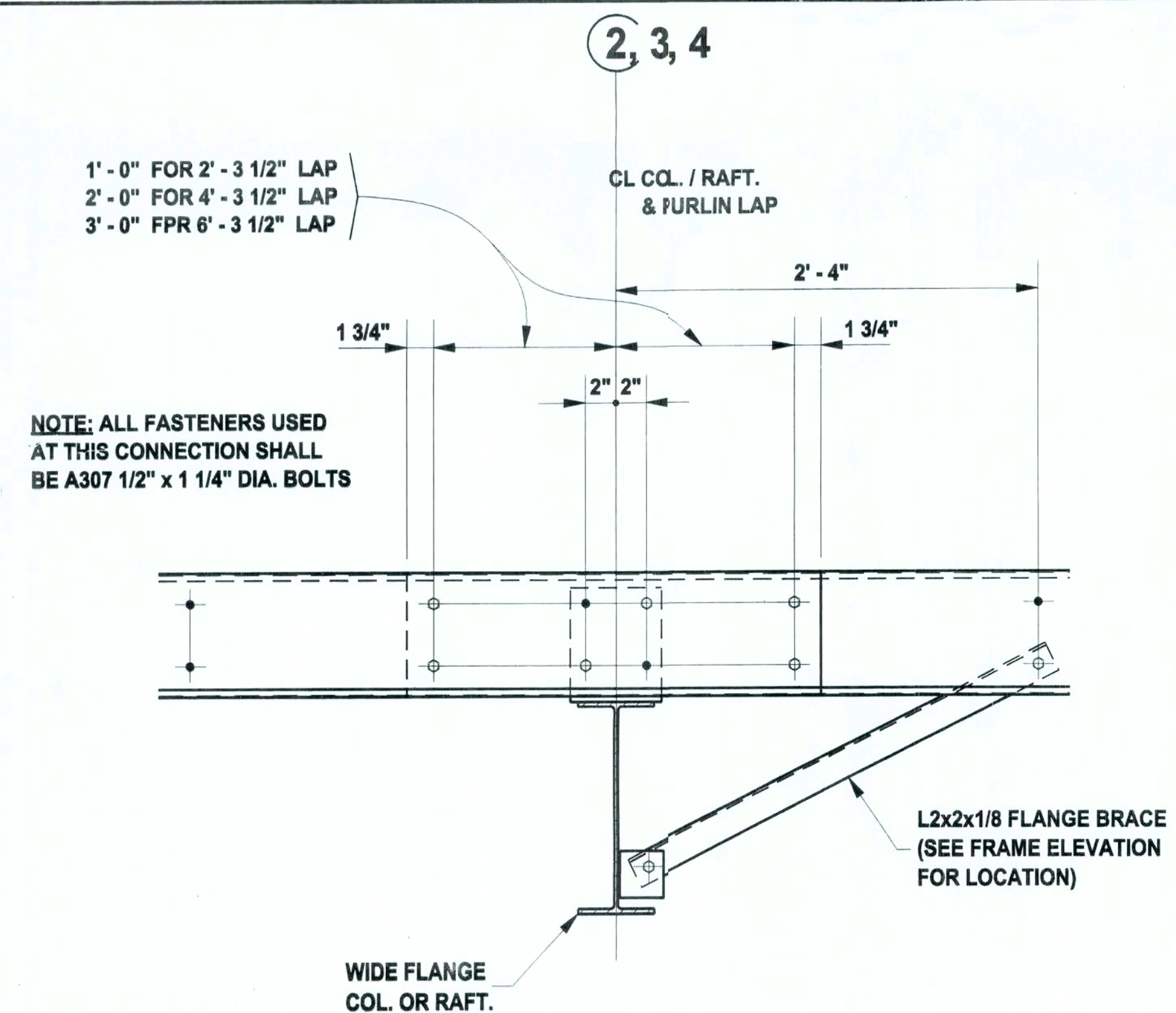


**TYPICAL JAMB & HEADER FLASHING DETAIL**

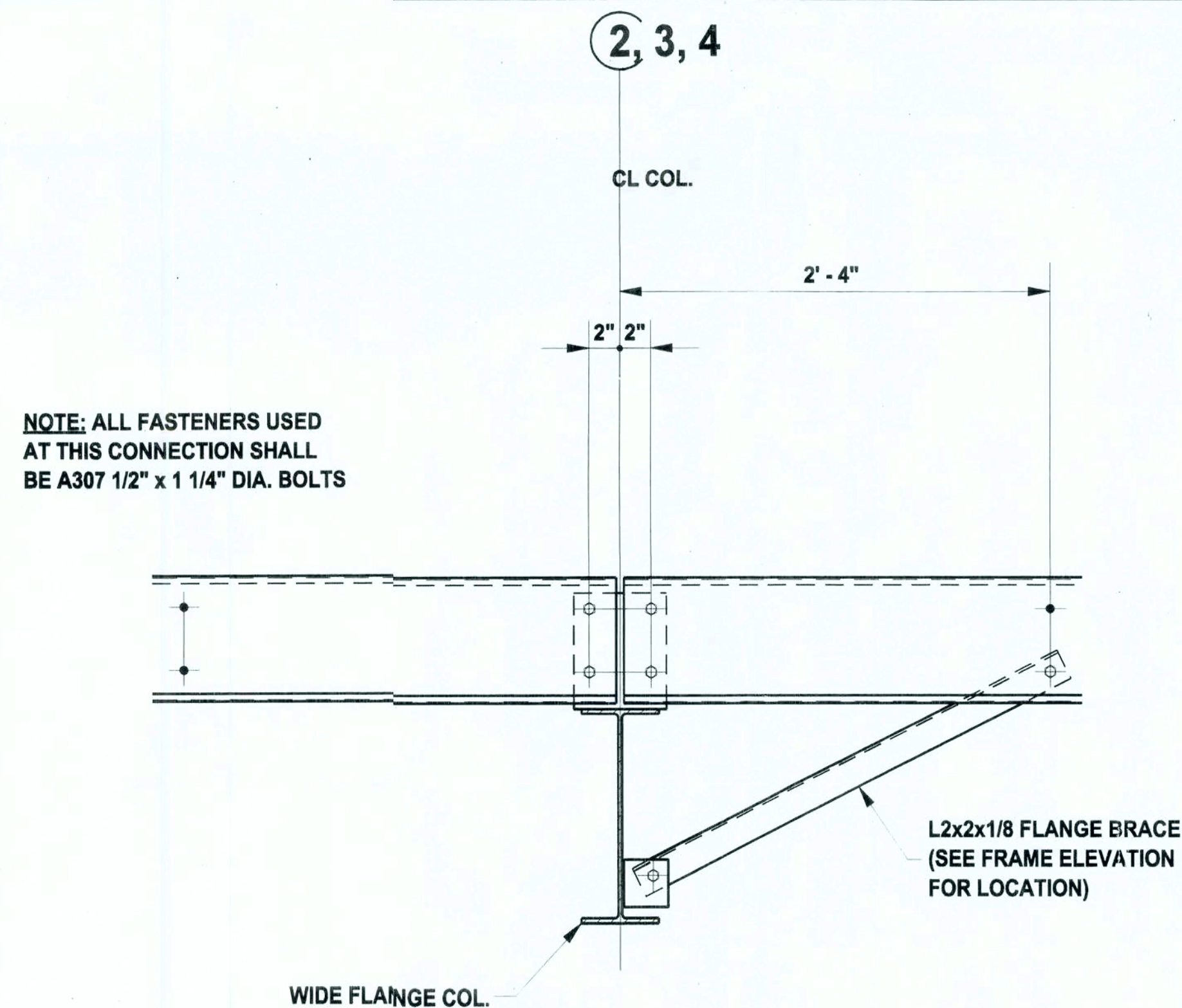
(TYPE "R" OR "PBR" WALL PANEL)



**EXPLODED DETAIL OF JAMB TO HEADER FLASHING JOINT**

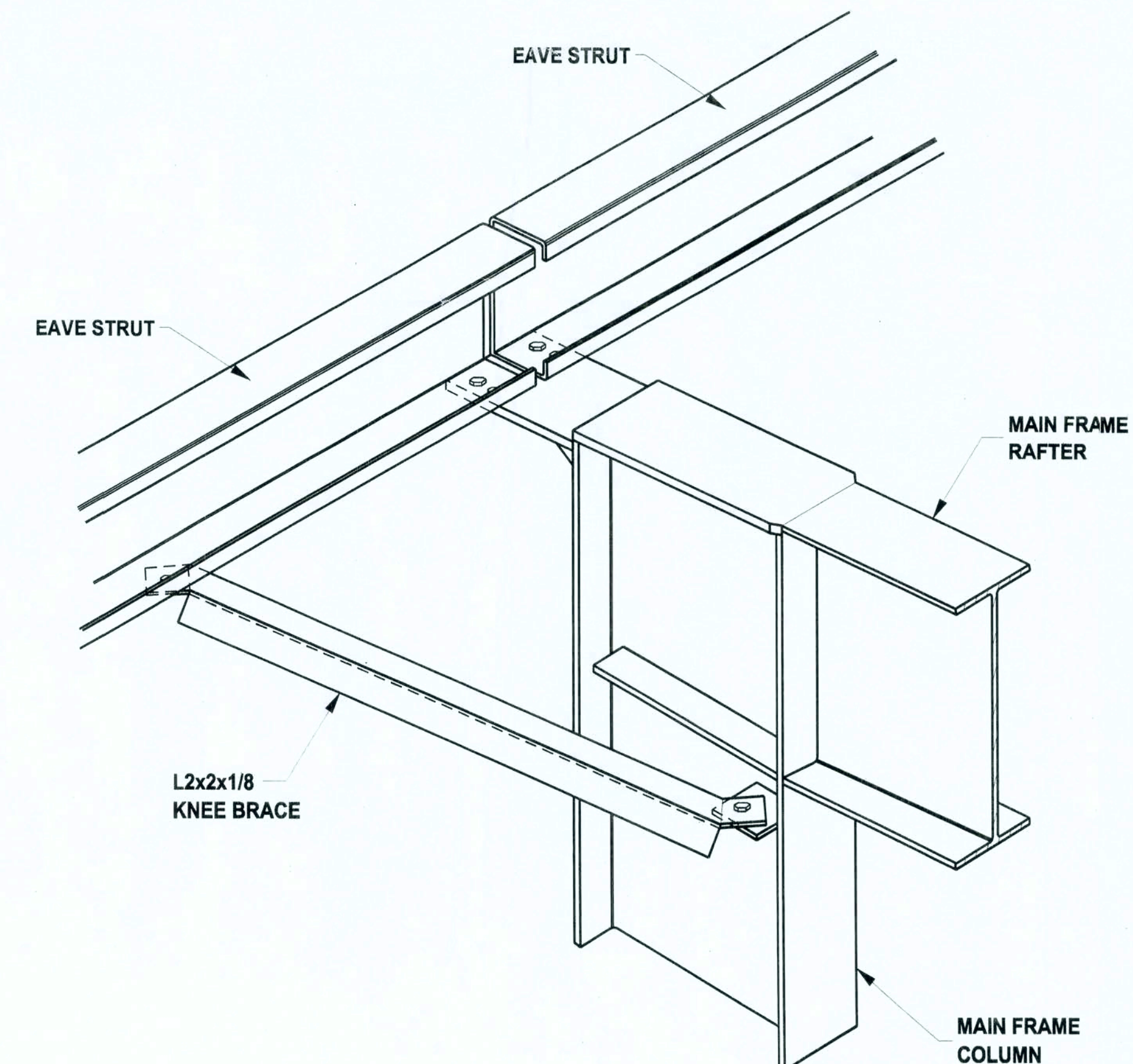


**TYPICAL GIRT / PURLIN DETAIL AT LAP CONNECTION AND FLANGE BRACE**



**TYPICAL GIRT CONNECTION DETAIL AND FLANGE BRACE**

(NO LAP)



**TYPICAL BRACE DETAIL AT RIGID FRAME KNEE**

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*Richard A. Powell*  
10/18/06

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LAKE CITY, FLORIDA  
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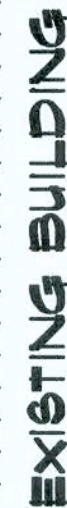
**DRAWN** J. MILLER  
**CHECKED**  
**JOB NUMBER** XF81046  
**DATE** 10/18/06  
**REVISIONS**

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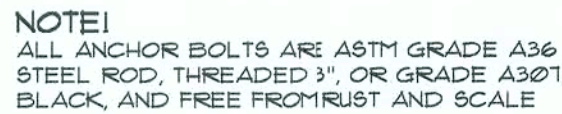
**DRAWING NUMBER**  
**E6**  
**FLASHING DETAILS**

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



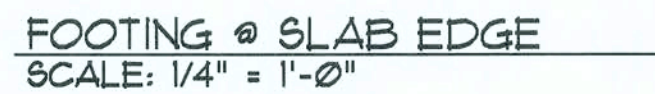
SCALE: 1" = 1'-0"

**NOTE!**  
THE DESIGN WIND SPEED FOR THIS  
PROJECT IS 100 MPH PER 2004 FBC 1606  
AND LOCAL JURISDICTION REQUIREMENTS

THE ANCHOR BOLT DIAMETERS AND DEVELOPED LENGTHS INDICATED IN THIS DRAWING WERE DETERMINED USING SHEAR FRICTION THEORY AS DESCRIBED IN AISC DESIGN GUIDE No.7, SECTION 92, ASSUMING AN ANCHOR BOLT MATERIAL OF ASTM A307 OR A36. THE COMBINED FORCES ACTING AT THE BASE OF THE STEEL FRAME RESULTING IN A VERTICAL REACTION ACTING UPON THE FOUNDATION WERE DEVELOPED AS FOLLOWS

WHERE  
 $T$  = TOTAL TENSILE FORCE PER BOLT  
 $T_d$  = TENSILE FORCE PER BOLT DUE TO DIRECTLY APPLIED LOAD =  $P/n$   
 $T_{sf}$  = TENSILE FORCE PER BOLT DUE TO SHEAR FRICTION =  $V'/(n \times \mu)$

WHERE  
 $P =$  P = TOTAL UPLIFT TO BE RESISTED BY ANCHOR BOLT GROUP  
 $V =$  V = TOTAL SHEAR FORCE TO BE RESISTED BY ANCHOR BOLT GROUP  
 $n =$  n = NUMBER OF ANCHOR BOLTS  
 $u =$  u = COEFFICIENT OF FRICTION (TAKEN AS 0.7 FOR UNGROUTED BASE PLATES OR 0.9 FOR GROUTED BASE PLATES)



GENERAL:

- THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, LOCATION AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMATIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.
4. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL SECTION IS SHOWN.
5. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK AND SHALL ESTABLISH ALL GRADES AND OR GRADIENTS AND ALL ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
6. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF SUCH OMISSION OR NOTICE TO PROCEEDING WITH THE WORK IF IT APPEARS IN QUESTION. IN THE EVENT THE CONTRACTOR FAILS TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME.
7. THE CONTRACTOR SHALL SUBMIT ALL STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE COMPRESSED STEEL SHAPES, DRIP DRAIN OUTLETS, LATHES, JOIST SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN ADVANCE, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.
8. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.
9. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.
10. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.
11. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.
12. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.
13. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.
14. ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.
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ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR ARCHITECT'S REVIEW ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY THE CONTRACTOR FOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TRADE REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S APPROVAL STAMP. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSIONS AS A RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS OR OMISSIONS MUST BE MADE GOOD BY THE CONTRACTOR, IRRESPECTIVE OF RECEIPT, CHECKING OR REVIEW OF DRAWINGS BY THE ENGINEER AND EVEN THOUGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS.

2. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, AND ALL CHANGES TO THE DRAWINGS MUST BE REVIEWED AND THE INFORMATION MUST BE REVIEWED AND ACCEPTED BY THE AUTHORITY OF-RECORD AND APPROVED BY THE BUILDING DEPARTMENT.
3. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE DELEGATED DESIGN) INCLUDING ALL DETAILS AND CHANGES TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN.
4. ARCHITECT WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED AND SIGNED AND SEALED BY THE CONTRACTOR'S DELEGATED ENGINEER, ONLY FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT, REQUIRED LOADING AND ALL OTHER REQUIREMENTS OF THE BUILDING DEPARTMENT.
5. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT TWO SETS OF BLUE PRINTS OF THE STRUCTURAL SHOP DRAWINGS FOR ARCHITECT REVIEW, BEFORE STARTING FABRICATION. THE ARCHITECT WILL RETURN ONE MARKED SET TO THE CONTRACTOR AND THE OTHER SET TO THE BUILDING DEPARTMENT. BE USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION.

1. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARANTEE NOR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AND BRACING AND THE PERFORMANCE OF THE CONTRACTOR.

- 2 THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE AND APPLICABLE LOCAL, STATE AND FEDERAL LAWS.
3. PROVIDE ALL SKIDING, BRACING AND SHEETING AS REQUIRED FOR SAFE STRUCTURAL USE OF THE CRANE FOR THE PROPER ERECTION OF WORK. REMOVE WHEN WORK IS COMPLETED.
4. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, OBSTRUCTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL TRENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.
5. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE.
6. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE DAMAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES TO ADJACENT STREETS, SIDEWALKS AND TO STREETS OR PUBLIC PROPERTY OR PUBLIC UTILITIES.

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

2. WIND LOAD CRITERIA:  
BASED ON ANSI/ASCE 7-97. BASIC WIND VELOCITY 100
3. ROOF DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS: . . . . . 20 PSF  
SUPERIMPOSED LIVE LOADS: . . . . . 20 PSF
4. FLOOR DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS: . . . . . 25 PSF  
SUPERIMPOSED LIVE LOADS:  
RESIDENTIAL . . . . . 40 PSF  
BALCONIES . . . . . 60 PSF
5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

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N.P. Geisler, Architect

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**METAL BUILDING FOUNDATION for:**  
**MIKE TODD CONSTRUCTION**  
LAKE CITY, FLORIDA  
**FOUNDATION PLAN**

**MIKE TODD CONSTRUCTION**

*"Quality builders since 1971"*

- Residential
- Commercial
- Industrial

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Lake City, FL 32055

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**NICHOLAS PAUL  
GEISLER  
ARCHITECT**

■ 1758 NW Brown Rd.  
■ Lake City, FL 32055  
■ 407/526-1100

DATE: 27 OCT 2000

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Handwritten signature: *nm*  
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