

GENERAL NOTES

- A. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.
- B. THE CONTRACTOR SHALL WORK STRUCTURAL DRAWINGS TOGETHER WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND CIVIL DRAWINGS TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, GRADES, ETC. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- C. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWING ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- D. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK.

DESIGN CRITERIA

- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 - 89(92))
- BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530 - 92)
- AISC "MANUAL OF STEEL CONSTRUCTION" - NINTH EDITION
- AWS D 1.1 "STRUCTURAL WELDING CODE" - LATEST EDITION
- AISI DESIGN FOR COLD FORMED STEEL STRUCTURAL MEMBERS 1996 W/1999 ADDENDUM
- ANSI / ASCE 7-05 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

CONCRETE

ALL CONCRETE SHALL BE DESIGNED TO SECURE A STRENGTH OF 3000 PSI AT 28 DAYS.

PROVIDE MINIMUM COVER FOR REINFORCING BARS, UNLESS OTHERWISE INDICATED:

FOOTINGS (TO GROUND)	3"
FOOTINGS (TOP AND SIDE)	3"
SLABS ON GRADE	2"
SIDEWALKS	2"

ALL BAR SPLICES AND DOWELS SHALL LAP 30 BAR DIAMETERS (MINIMUM) UNLESS NOTED OTHERWISE.

ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMED TO ASTM-A615, GRADE 60.

ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

ALL WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH, PANEL PLUS TWO INCHES AT SIDES AND ENDS AND SHALL BE WIRED TOGETHER.

ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF ACI 318 AND ACI 315. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

EARTHWORK

ALL EXCAVATION AND BACK FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

CONCRETE SHALL BE PLACED AS SOON AS PRACTICAL AFTER SOIL PREPARATION AND COMPACTION SO AS NOT TO ALLOW THE ELEMENTS OR CONSTRUCTION ACTIVITY TO DISTURB THE PREPARED AREA.

UNDER NO CIRCUMSTANCES WILL DIGGING, TUNNELING, OR TRENCHING BE ALLOWED AT OR NEAR ANY CONCRETE STRUCTURE WHICH MIGHT ACT TO UNDERMINE THE STRUCTURE.

FOUNDATIONS ARE DESIGNED TO BEAR ON SOIL WHICH PROVIDES A SAFE BEARING CAPACITY OF 2500 PSF.

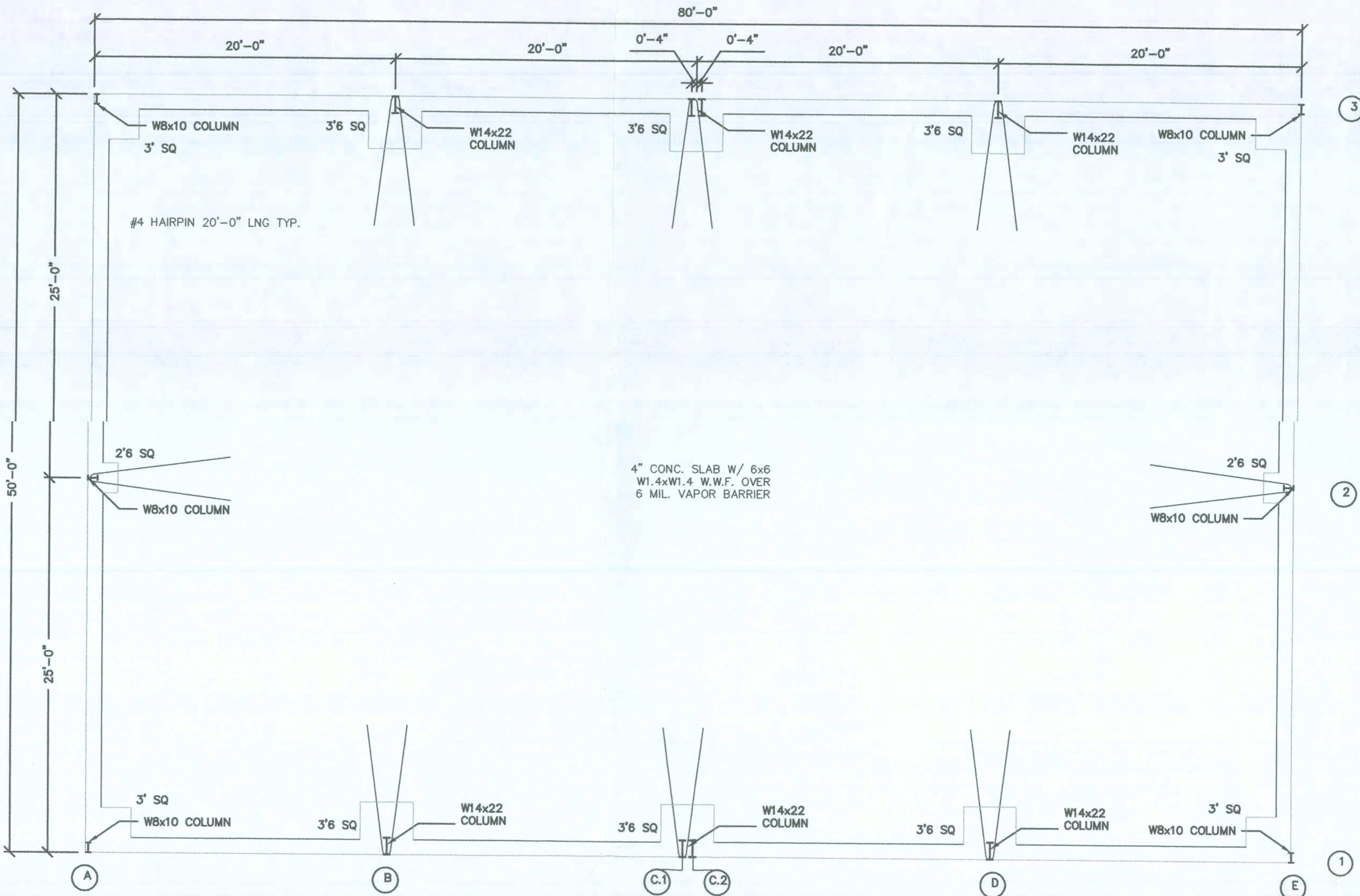
DESIGN LOADS

LIVE LOAD      ROOF - 20 PSF  
FOR STRUCTURAL MEMBERS WITH A TRIBUTARY AREA GREATER THAN 200 SF - 16 PSF

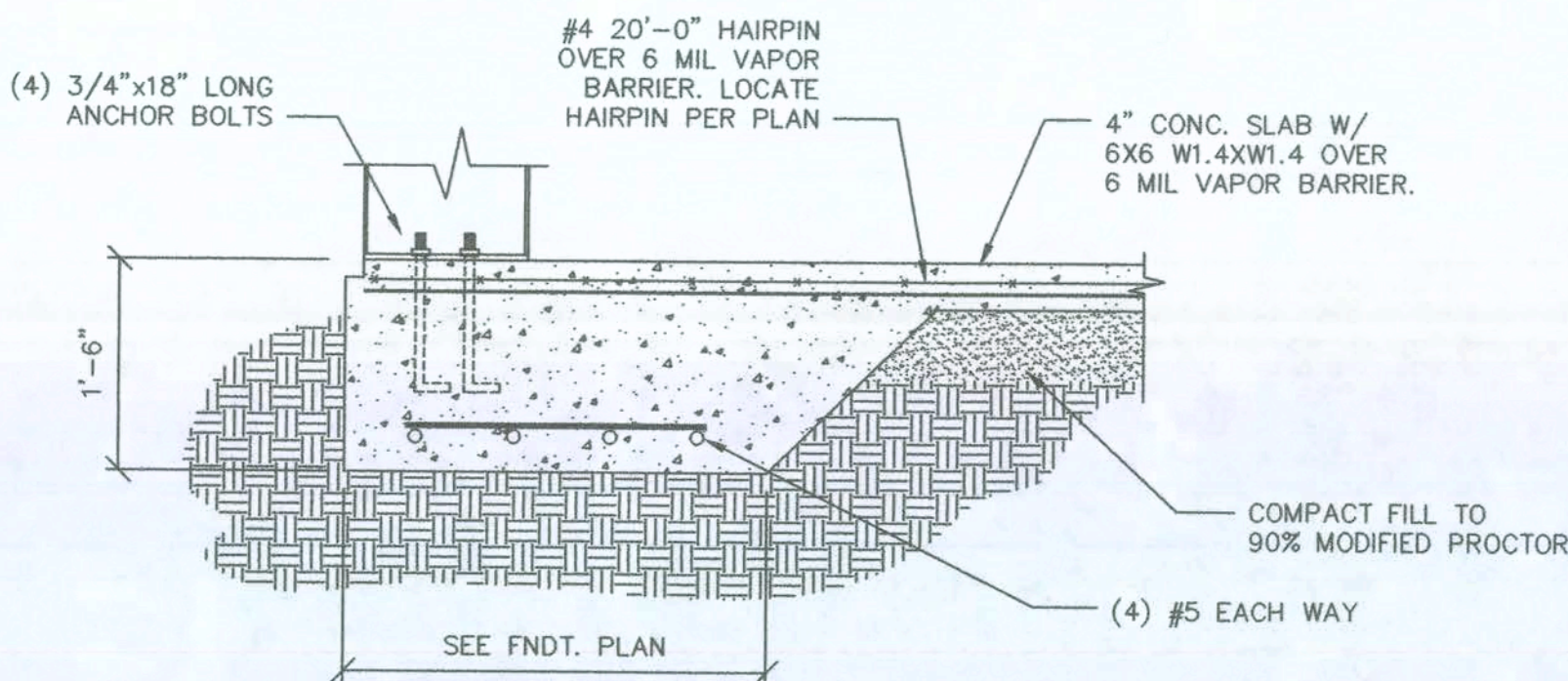
DEAD LOAD      ROOF - 5 PSF

WIND LOAD      BASIC WIND SPEED - 110 MPH  
EXPOSURE CATEGORY - C

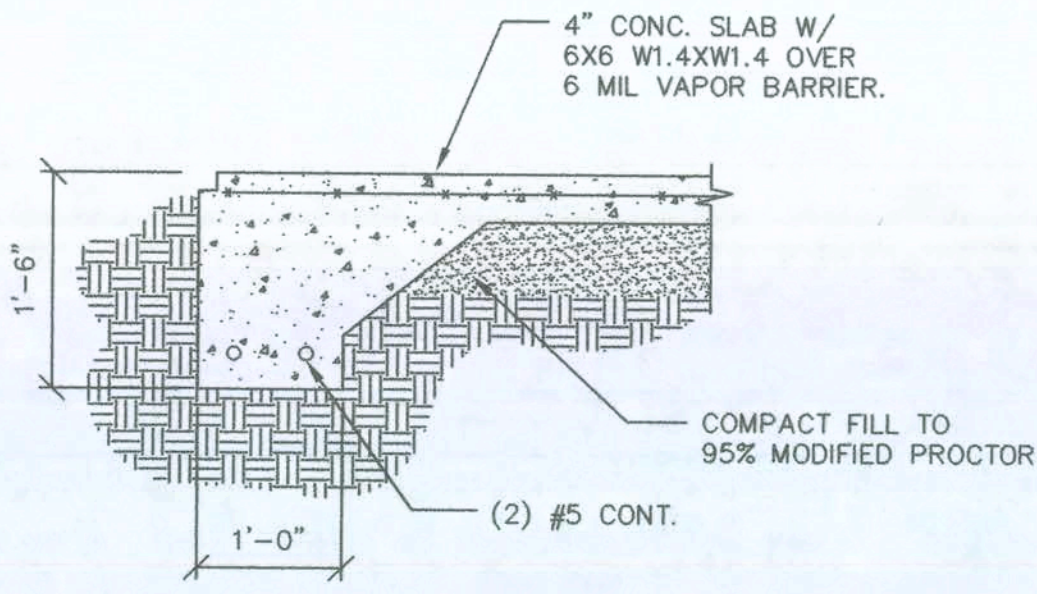
2006 FLORIDA BUILDING CODE      IMPORTANCE FACTOR - 1.0



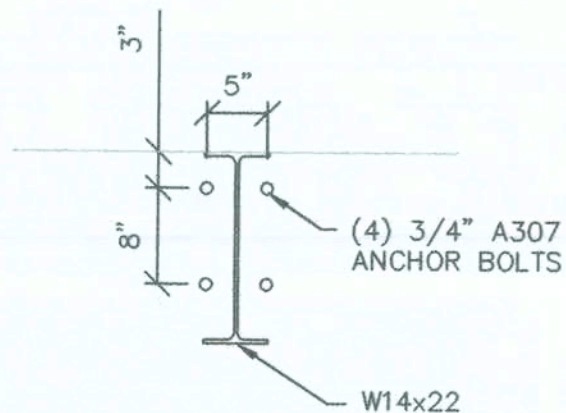
FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"



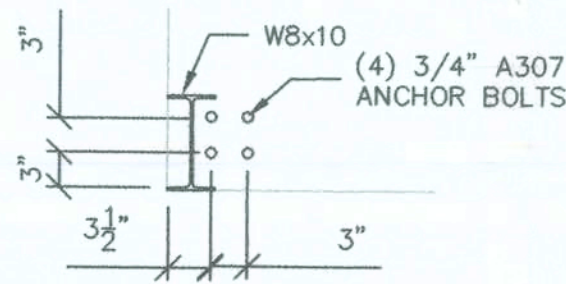
COLUMN FOOTER DETAIL  
SCALE: 3/4"=1"



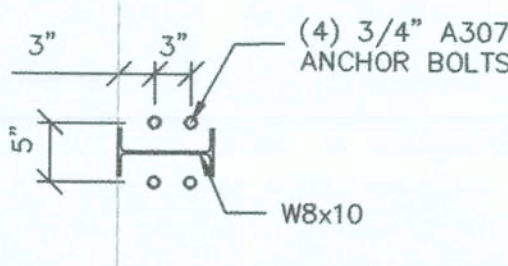
CONT. FOOTER DETAIL  
SCALE: 3/4"=1"



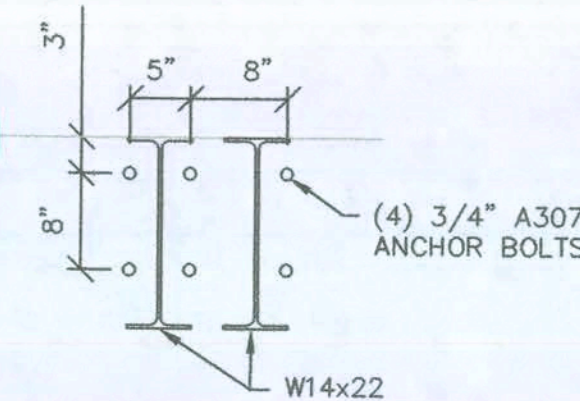
A.B. DETAIL @  
SIDE WALLS B,D(1,3)  
SCALE: 3/4" = 1'-0"



A.B. DETAIL @  
END WALLS A&E(1,3)  
SCALE: 3/4" = 1'-0"



A.B. DETAIL @  
END WALLS A&E(2)  
SCALE: 3/4" = 1'-0"



A.B. DETAIL @  
SIDE WALLS C(1,3)  
SCALE: 3/4" = 1'-0"



PROJECT No.  
92-0909

DATE: SEPT., 2007

SCALE: AS NOTED

DRAWN BY:  
J. WELLS

APPROVED BY:  
P. SANTORA

REVISIONS:

CHG.

UNION LASTEEL METAL BUILDINGS  
FOUNDATION PLAN  
50'-0" X 80'-0" BUILDING  
LAKE CITY, FL

MUNICIPAL DESIGN, ARCHITECTURE,  
SITE PLANNING, AND SURVEYING  
SUBDIVISIONS, AND SURVEYING

Northstar  
Engineering  
Services

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FL CERT. OF AUTH.  
26312  
GA CERT. OF AUTH.  
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8/26/09

SHEET 1  
OF 4



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- ANSI / ASCE 7-05 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

DESIGN LOADS

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FOR STRUCTURAL MEMBERS WITH A TRIBUTARY  
AREA GREATER THAN 200 SF - 16 PSF
- DEAD LOAD                      ROOF - 5 PSF
- WIND LOAD                      BASIC WIND SPEED - 110 MPH  
EXPOSURE CATEGORY - C
- 2006 FLORIDA BUILDING CODE      IMPORTANCE FACTOR - 1.0

COLUMN REACTIONS (KIPS)

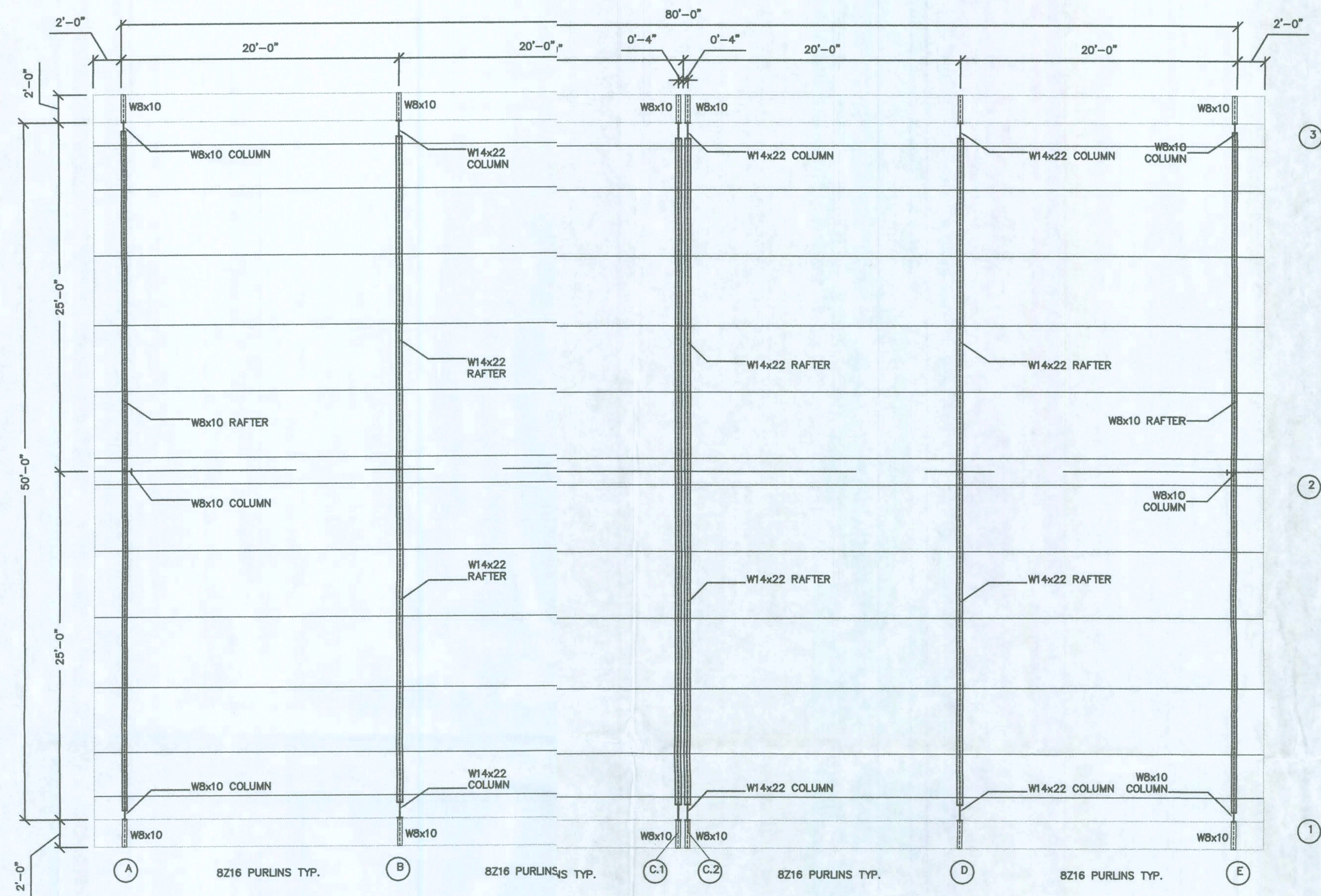
COLUMN	DL ± LL	DL ± WL
A-F (1,3)	4.25 ↓	4.1 ↑
A-D (2)	0 ↓	0 ↑
C-E (1,3)	9.26 ↓	8.56 ↑

DESIGN NOTE:

FRAMED OPENINGS AND ALL OTHER CLADDING AND COMPONENTS MUST BE DESIGNED FOR THE FOLLOWING WIND PRESSURES (psf):

ROOF:  
INTERIOR ZONE- (+11.6) (-29.6)  
END ZONE- (+11.6) (-45.6)  
CORNER- (+11.6) (-63.6)

WALL:  
INTERIOR ZONE- (+29.0) (-31.6)  
END ZONE- (+29.0) (-38.0)



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

PROJECT No.  
12-0909  
DATE: AUGUST, 2009  
SCALE AS NOTED

DRAWN BY:  
J. WELLS  
APPROVED BY:  
P. SANTORA

REVISIONS:

UNION LASTEEL METAL BUILDINGS  
ROOF PLAN  
50'-0" X 80'-0" BUILDING  
LAKE CITY, FL

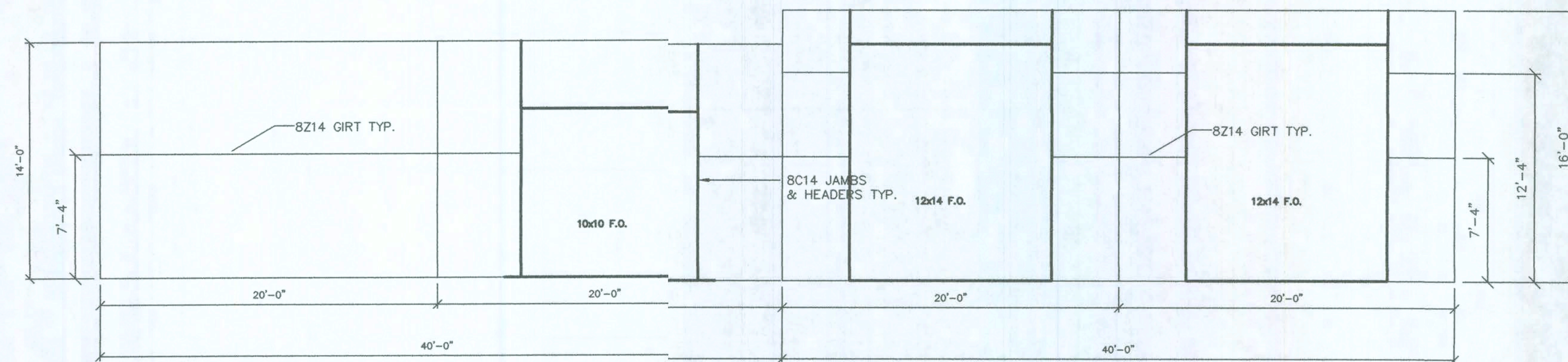
MUNICIPAL DESIGN, AIRPORT DESIGN,  
SITE PLANNING AND DEVELOPMENT,  
SUBDIVISIONS, AND SURVEYING  
Northstar Engineering Services  
2431 HARTFORD HWY DOTHAN, ALABAMA 36505  
PHONE (334) 975-6895  
FAX (334) 975-1686

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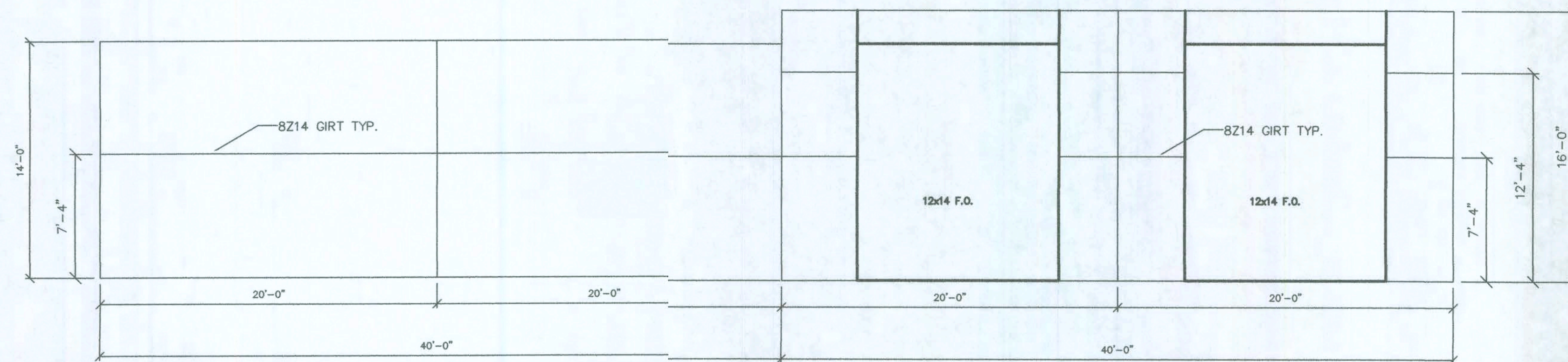
Phyllis C. Stiles  
8/24/07

SHEET 2  
OF 4

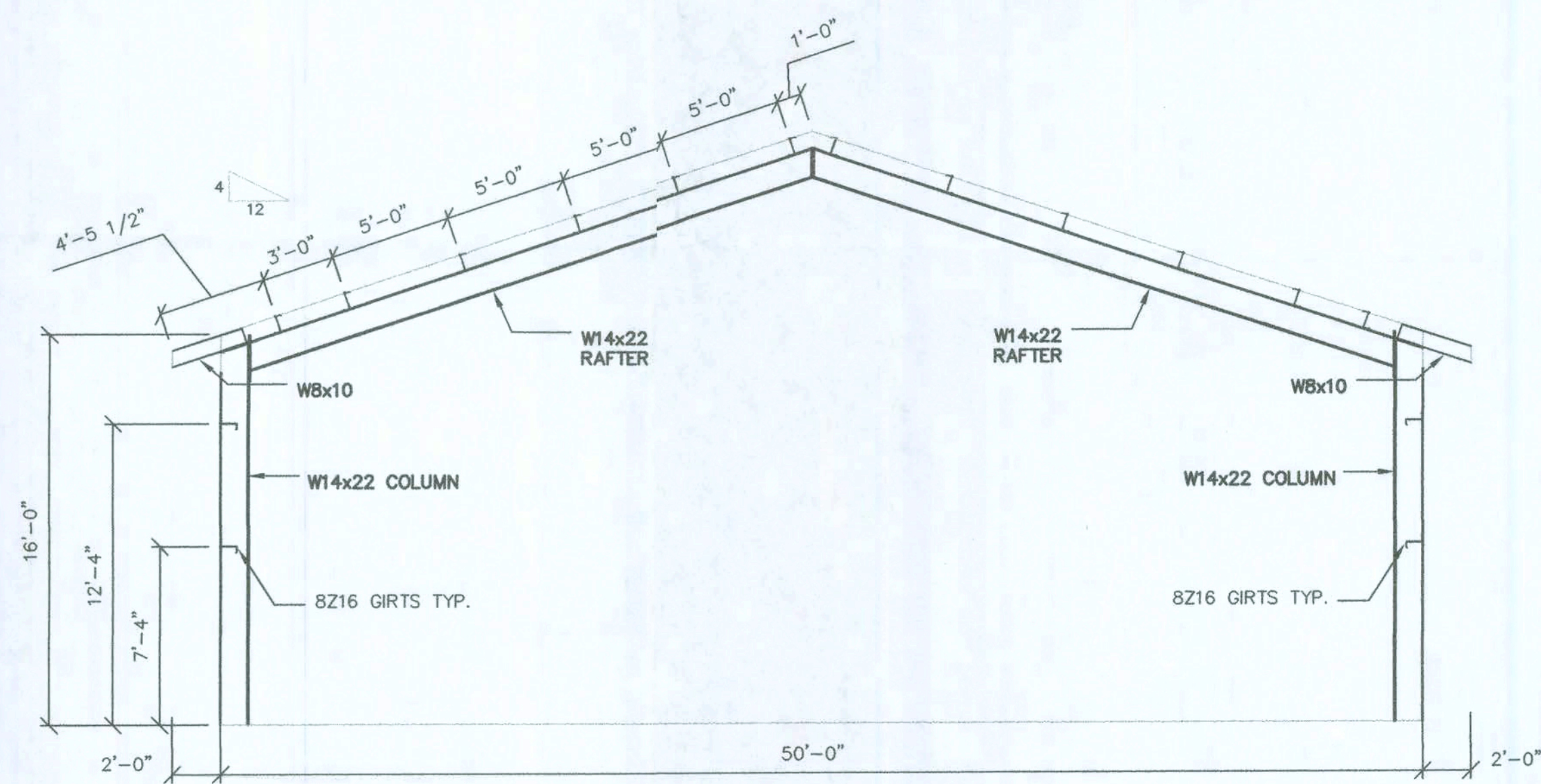




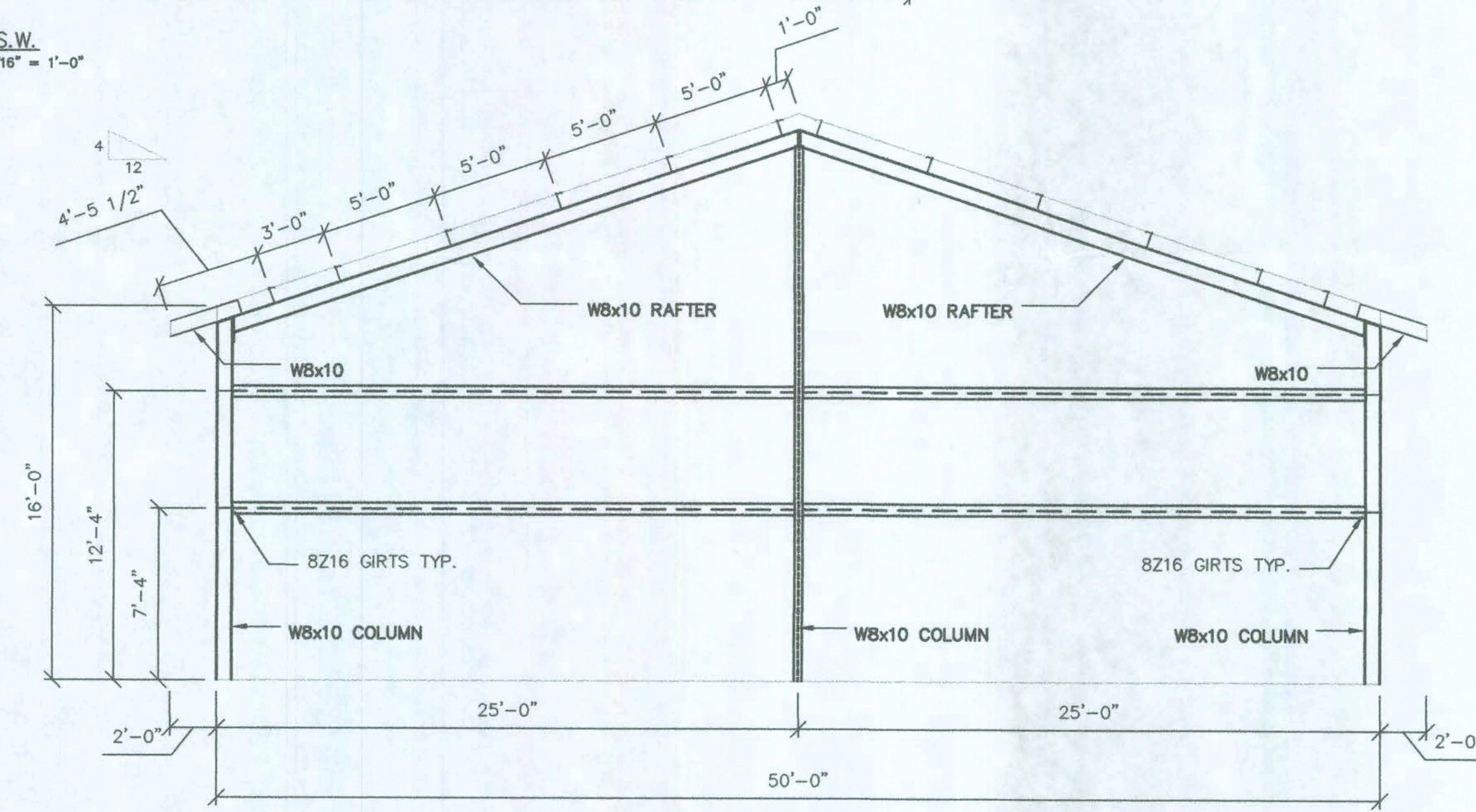
FRONT S.W.  
SCALE: 3/16" = 1'-0"



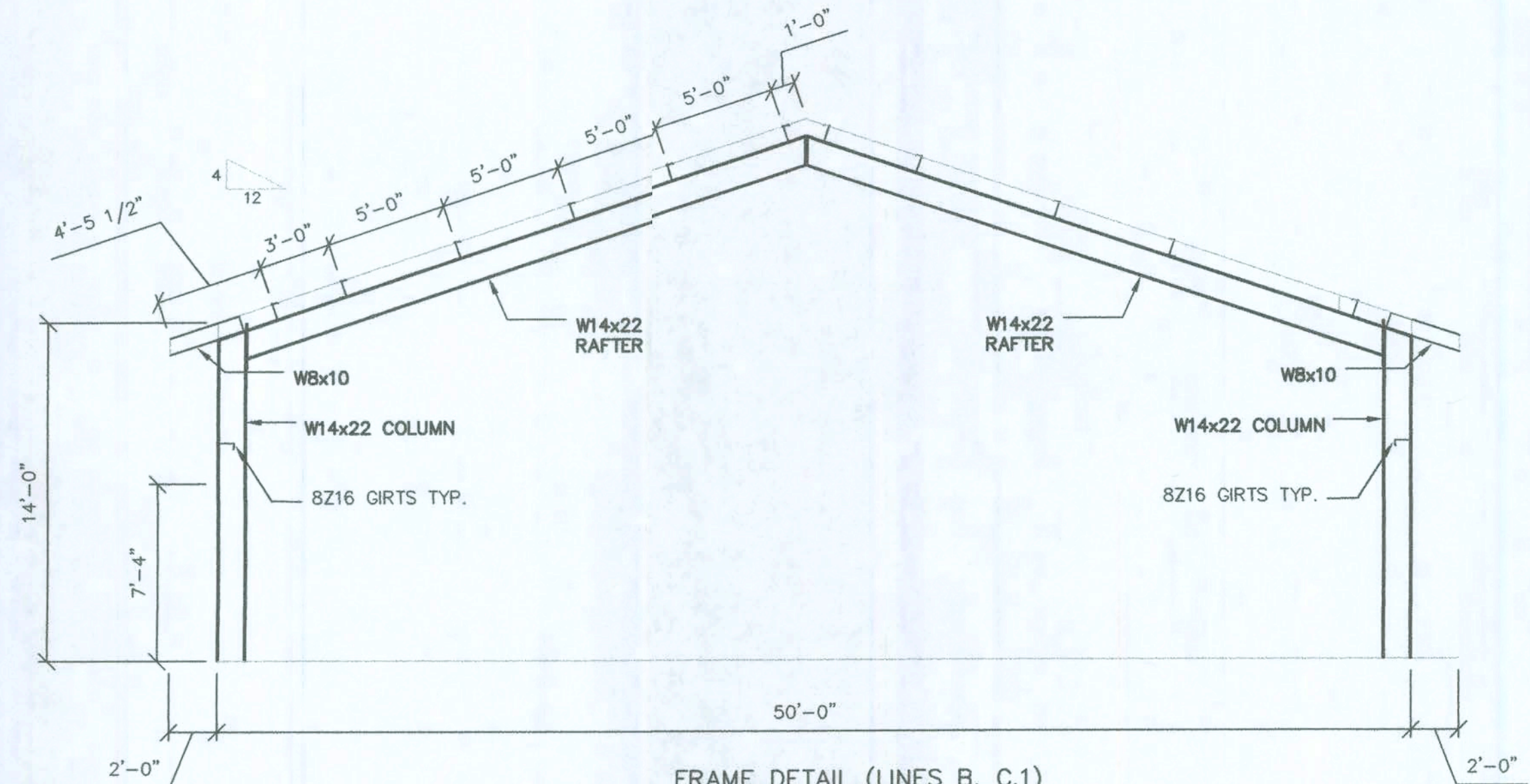
REAR S.W.  
SCALE: 3/16" = 1'-0"



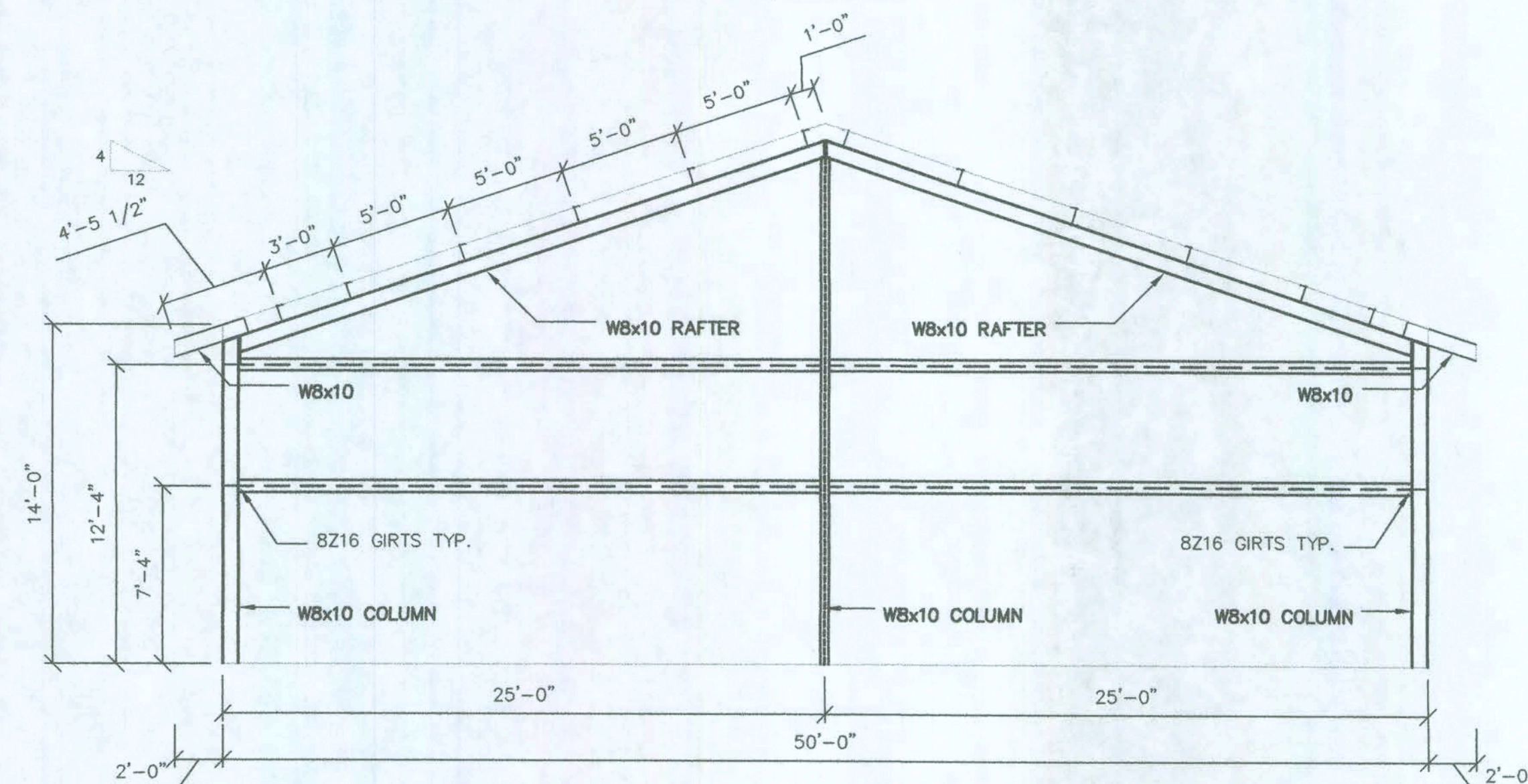
FRAME DETAIL (LINES C.2-D)  
SCALE: 3/16" = 1'-0"



FRAME DETAIL (LINE E)  
SCALE: 3/16" = 1'-0"



FRAME DETAIL (LINES B. C.1)  
SCALE: 3/16" = 1'-0"



FRAME DETAIL (LINE A)  
SCALE: 3/16" = 1'-0"

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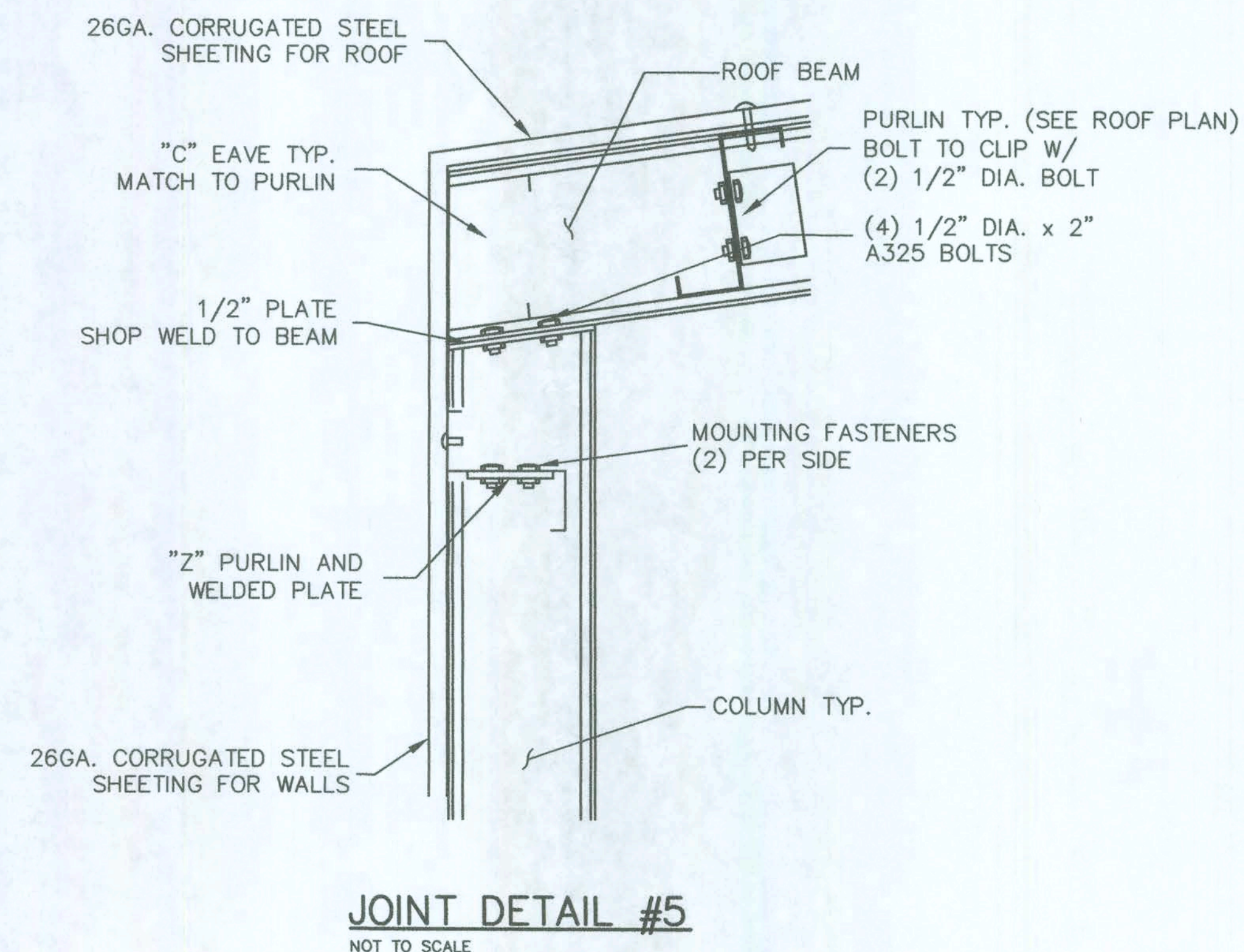
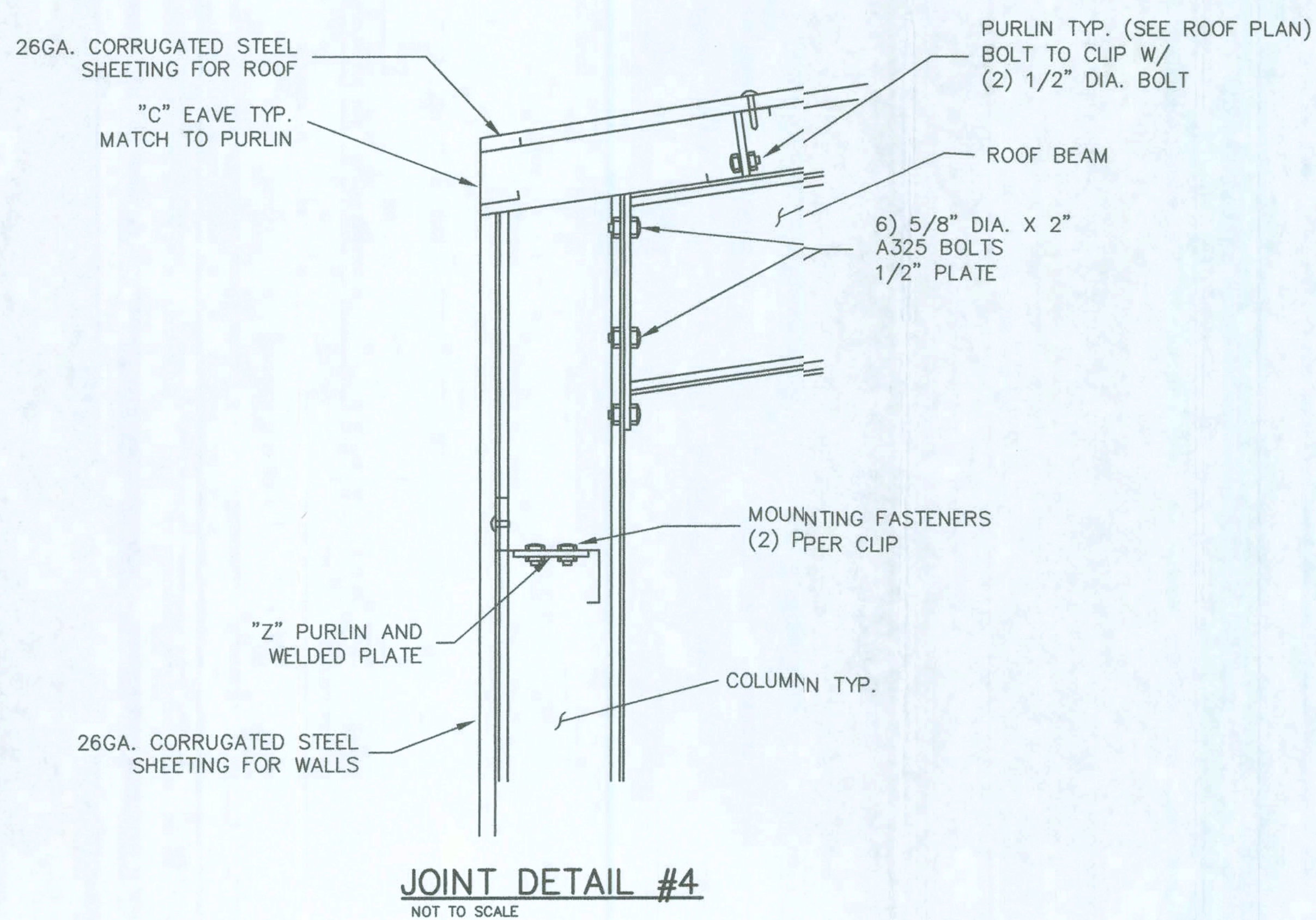
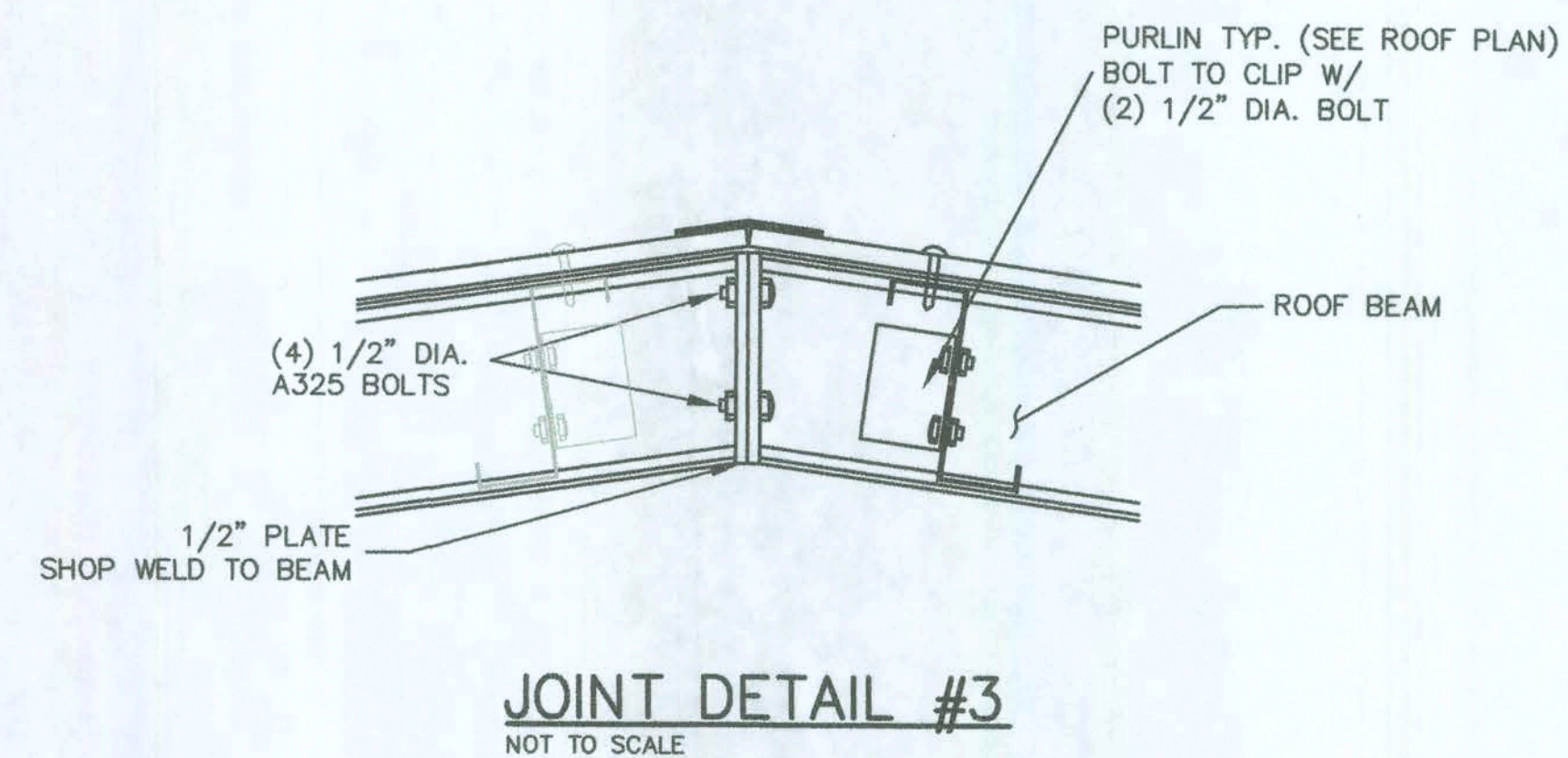
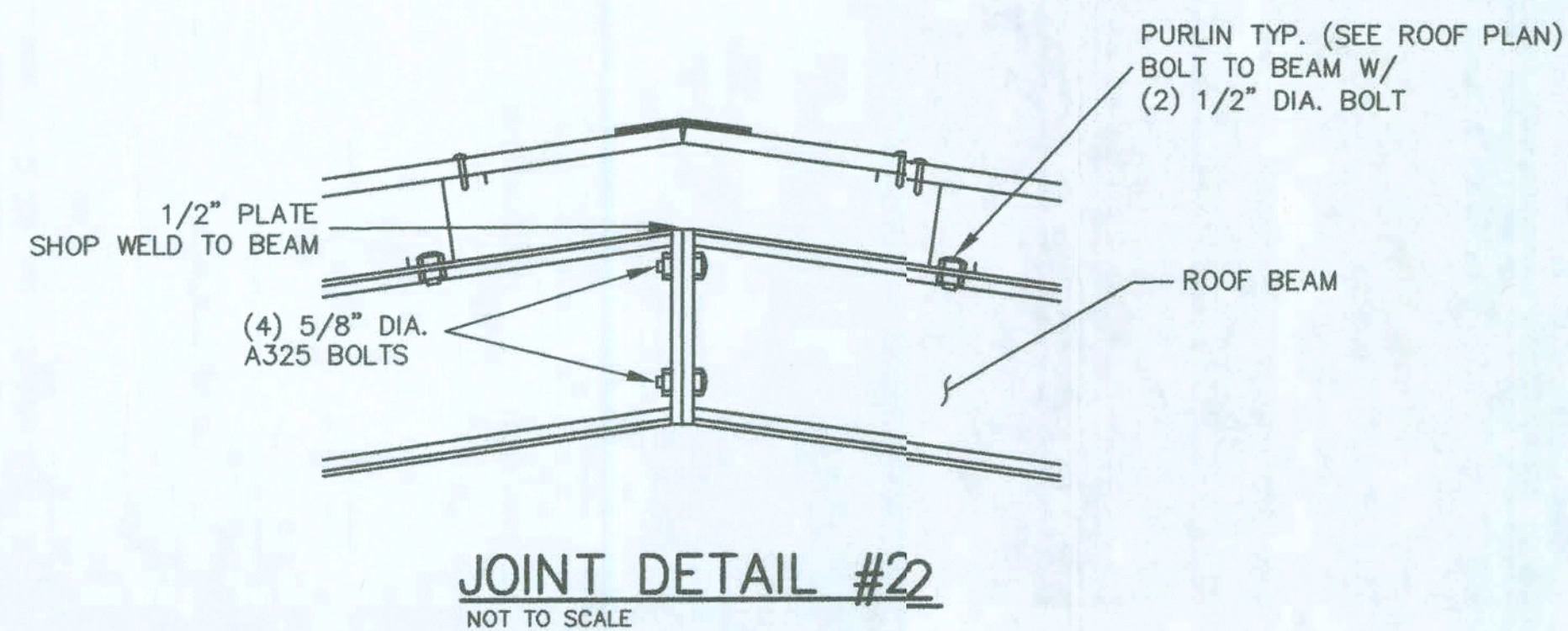
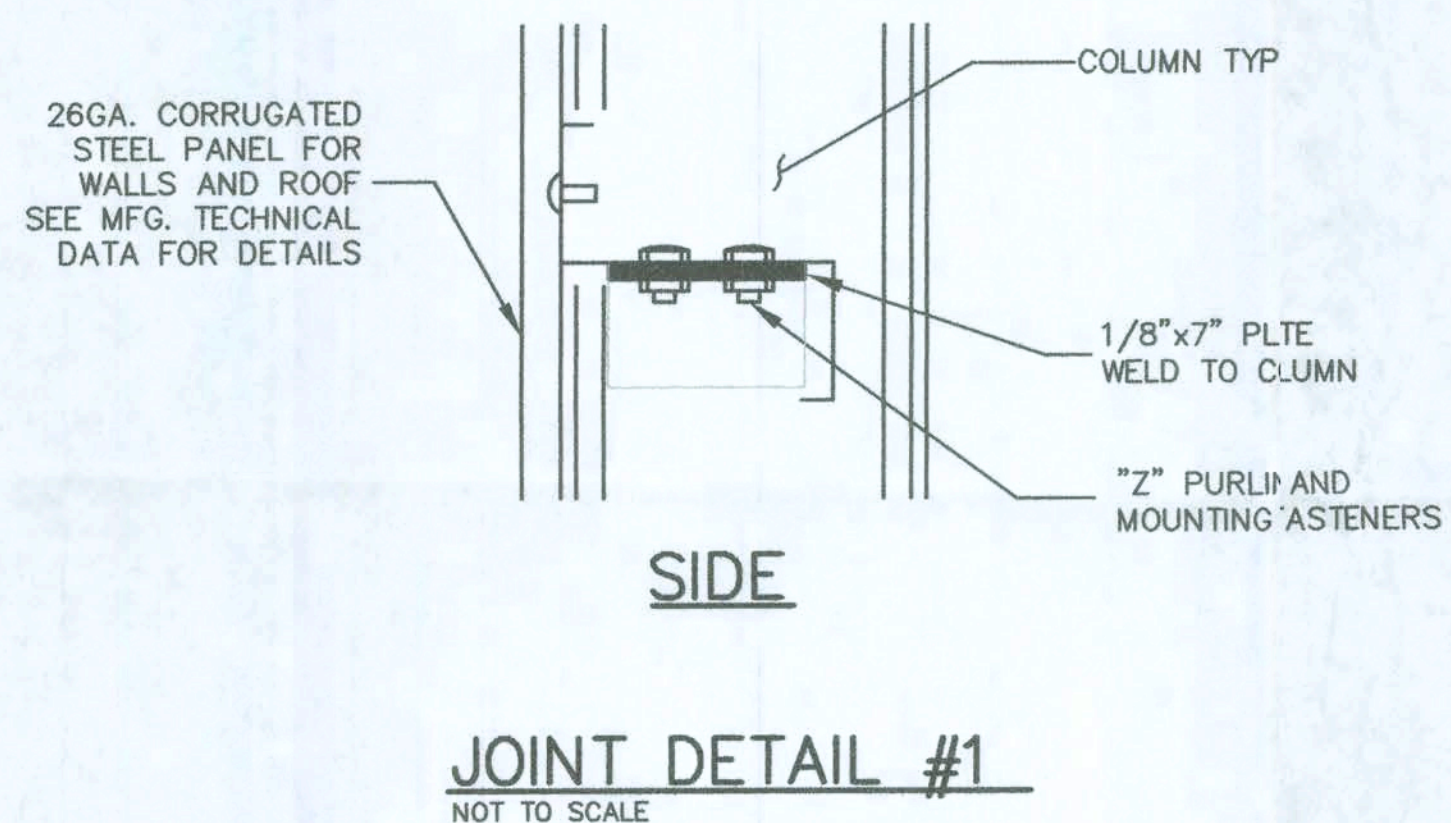
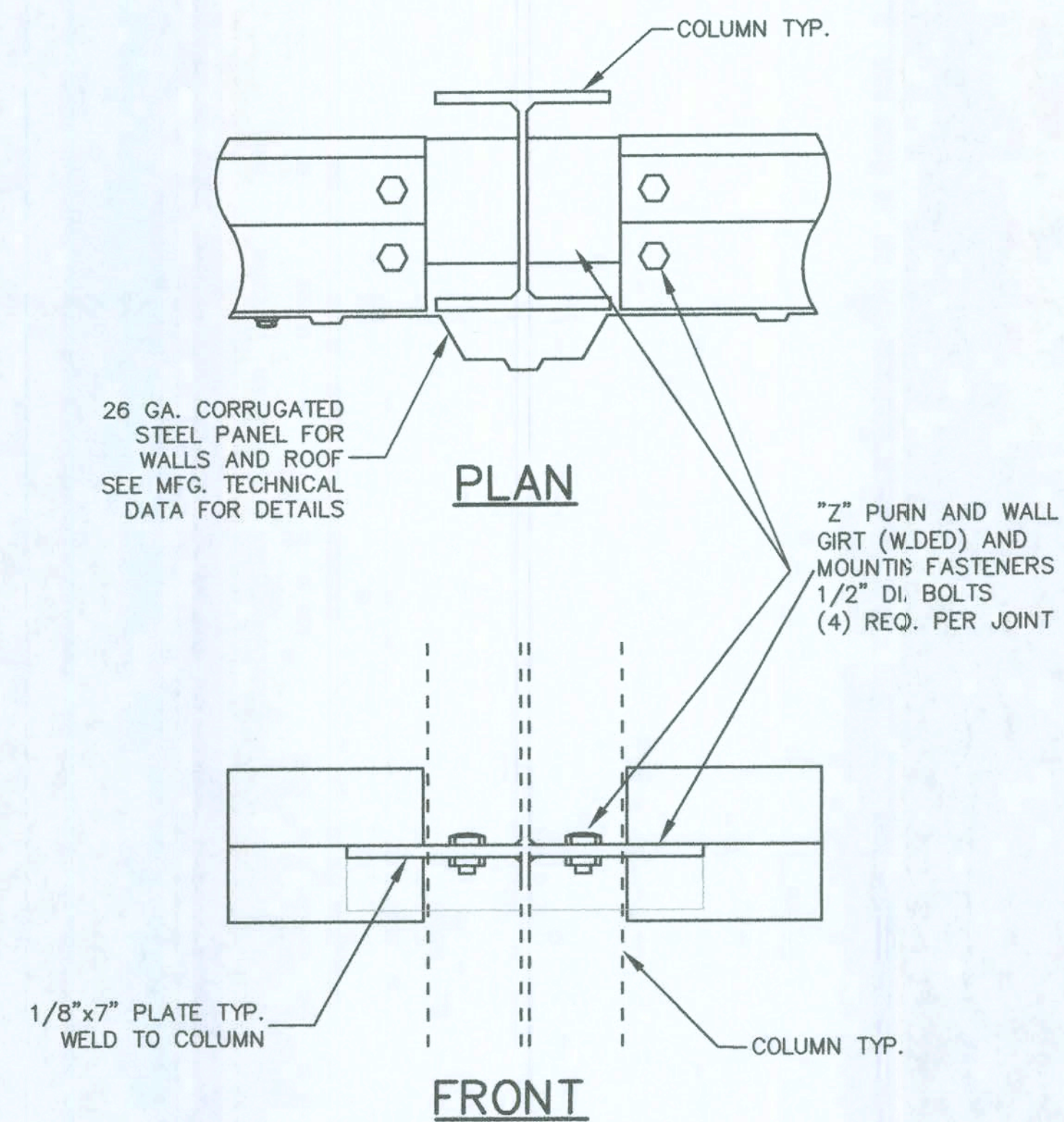
Northstar Engineering Services  
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*Handwritten signature and date*  
6/26/09

SHEET 3  
OF 4





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8/24/09

SHEET 4  
OF 4