

# H C I STEEL PRODUCTS BUILDING ERECTION PACKAGE

THIS PROJECT IS SCHEDULED FOR SHOP FABRICATION AND IS DESIGNED AND DETAILED WITH THE FOLLOWING PARAMETERS:

BASIC BUILDING SIZE: SPAN 28'-0" x LENGTH 30'-0" x EAVE HT. 14'-0"  
 ROOF COVER: HHR COLOR: KODIAK BROWN GA: 24  
 WALL COVER: N/A COLOR: N/A GA: N/A  
 LIVE LOAD (ROOF) 100 P.S.F. COLL. DEAD LOAD (ROOF) MAT'L WEIGHT  
 SNOW LOAD 150 P.S.F. SEISMIC ZONE III  
 DESIGN CODE: UBC ED. 1991

WIND LOAD: 80 M.P.H. EXPOSURE: B

CUSTOMER: MICHAEL B. CONORGAN

ADDRESS: P.O. BOX 664

OTHELLO, WASHINGTON 99344

PHONE: (509) 488-9059

PROJECT: KITIATIS CO.

LOCATION: OTHELLO, WASHINGTON

## GENERAL NOTES:

### 1. MATERIALS:

	ASTM DESIGNATION:	
HOT ROLLED BAR	A529	Fy = 50 ksi MIN.
STRUCTURAL STEEL SHEET	A570	Fy = 50 ksi MIN.
STRUCTURAL STEEL PLATE	A572	Fy = 55 ksi MIN.
COLD FORMED SHAPES	A570	Fy = 55 ksi GR. D
COLD FORMED SHAPES (GALV.)	A446	Fy = 55 ksi GR. D
ROOF & WALL SHEETING	A446	Fy = 80 ksi GR. E 26GA.
ROOF & WALL SHEETING	A446	Fy = 50 ksi GR. D 24GA.
BOLTS	A307 & A325	

H C I STEEL PRODUCTS RESERVES THE RIGHT TO SUBSTITUTE THE ABOVE MATERIALS.

### 2. A325 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE A325 UNLESS NOTED OTHERWISE. STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE "TURN OF THE NUT" METHOD IN ACCORDANCE WITH THE LATEST EDITION AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "TURN OF THE NUT" METHOD. ALL BOLTED CONNECTIONS, UNLESS NOTED OTHERWISE, ARE DESIGNED AS BEARING CONNECTIONS WITH BOLT THREADS EXCLUDED FROM THE SHEAR PLANE.

### 3. ALL STRUCTURAL STEEL TO RECEIVE A RUST INHIBITIVE PRIMER. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS.

### 4. PRE-FORMED CLOSURE STRIPS ARE PROVIDED AT THE EAVE BENEATH THE ROOF SHEETS, AT THE ENDWALLS BETWEEN THE RAKE TRIM AND THE ENDWALL SHEETS AND AT THE SIDEWALLS BETWEEN THE EAVE TRIM AND THE SIDEWALL SHEETS.

### 5. ALL BRACING SHOWN AND PROVIDED BY H C I STEEL PRODUCTS FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE. IF ADDITIONAL BRACING IS REQUIRED FOR STABILITY DURING ERECTION, IT SHALL BE THE ERECTOR'S RESPONSIBILITY TO DETERMINE THE AMOUNT OF SUCH BRACING, AND TO PROCUER AND INSTALL AS NEEDED.

## CUSTOMER RESPONSIBILITIES

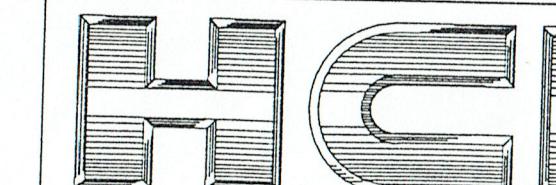
1. IT IS THE RESPONSIBILITY OF THE ERECTOR TO PERFORM THE WORK IN A SAFE MANNER AND TO OBEY ALL APPLICABLE SAFETY CODES.
2. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO INSURE THAT ALL PROJECT PLANS, SPECIFICATIONS AND APPLIED DESIGN LOADS, FULLY MEET THE PROPOSED INTENT AS WELL AS COMPLY WITH ALL APPLICABLE REQUIREMENTS OF ANY GOVERNING AUTHORITIES, AND OBTAIN THE APPROPRIATE APPROVALS AND/OR PERMITS AS MAY BE REQUIRED FROM CITY, COUNTY, STATE OR FEDERAL AGENCIES.
3. THE BUILDING WILL BE SUPPLIED EXACTLY AS THE H C I DRAWINGS INDICATE. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO ENSURE THAT THE BUILDING BEING SUPPLIED MEETS THE PROJECT REQUIREMENTS.
4. IT IS THE RESPONSIBILITY OF THE CUSTOMER FOR OVERALL PROJECT COORDINATION, INTERFACE, COMPATIBILITY AND DESIGN CONCERNING ANY MATERIALS NOT SUPPLIED BY H C I STEEL PRODUCTS WITH THE BUILDING TO BE SUPPLIED BY H C I STEEL PRODUCTS. THE SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS MUST BE FURNISHED BY THE CUSTOMER PRIOR TO RELEASE FOR FABRICATION, OR THE DESIGN ASSUMPTIONS OF H C I STEEL PRODUCTS WILL GOVERN.
5. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO VERIFY ALL DESIGN CRITERIA INCLUDING DEFLECTIONS AND NOTIFY H C I STEEL PRODUCTS OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO RELEASE FOR FABRICATION.
6. THE CUSTOMER IS RESPONSIBLE FOR THE ACCURATE SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL IN ACCORDANCE WITH "FOR CONSTRUCTION" DRAWINGS ONLY. (SEE ANCHOR BOLT PLAN FOR ADDITIONAL FOUNDATION AND ANCHOR BOLT NOTES.)
7. UNLESS SPECIFICALLY STATED OTHERWISE WITHIN THE H C I STEEL PRODUCTS PURCHASE AGREEMENT, THE FOLLOWING SHALL GOVERN:
  - a. THIS BUILDING DRAWING PACKAGE AND ANY ACCOMPANYING CALCULATIONS REPRESENT THE PROJECT AS IT WILL BE SUPPLIED. THE BUILDING WILL BE SUPPLIED EXACTLY AS THE DRAWINGS INDICATE.
  - b. ANY FIELD MODIFICATION OR ALTERATION, OR THE ATTACHMENT OF ANY EQUIPMENT OR COMPONENT TO H C I STEEL PRODUCTS BUILDINGS STEEL BUILDING SYSTEM, OR THE OMITTED INSTALLATION OF ANY PARTS OR PIECES, WITHOUT THE EXPRESS WRITTEN APPROVAL OF H C I STEEL PRODUCTS SHALL VOID ANY AND ALL WARRANTIES.

## DRAWING RECORD

DESCRIPTION	PAGE NO.
ANCHOR BOLT PLAN	PEB- ONE
ROOF FRAMING PLAN	PEB- 2
SIDEWALL ELEVATIONS	PEB- 3
ENDWALL ELEVATIONS	PEB- 4
CROSS SECTION	PEB- 5
SHEETING LAYOUTS	PEB- N/A
STANDARD DETAILS	HRRoof1
STANDARD DETAILS	BFewdet
STANDARD DETAILS	OHdoz
STANDARD DETAILS	

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REV. DATE      REVISION

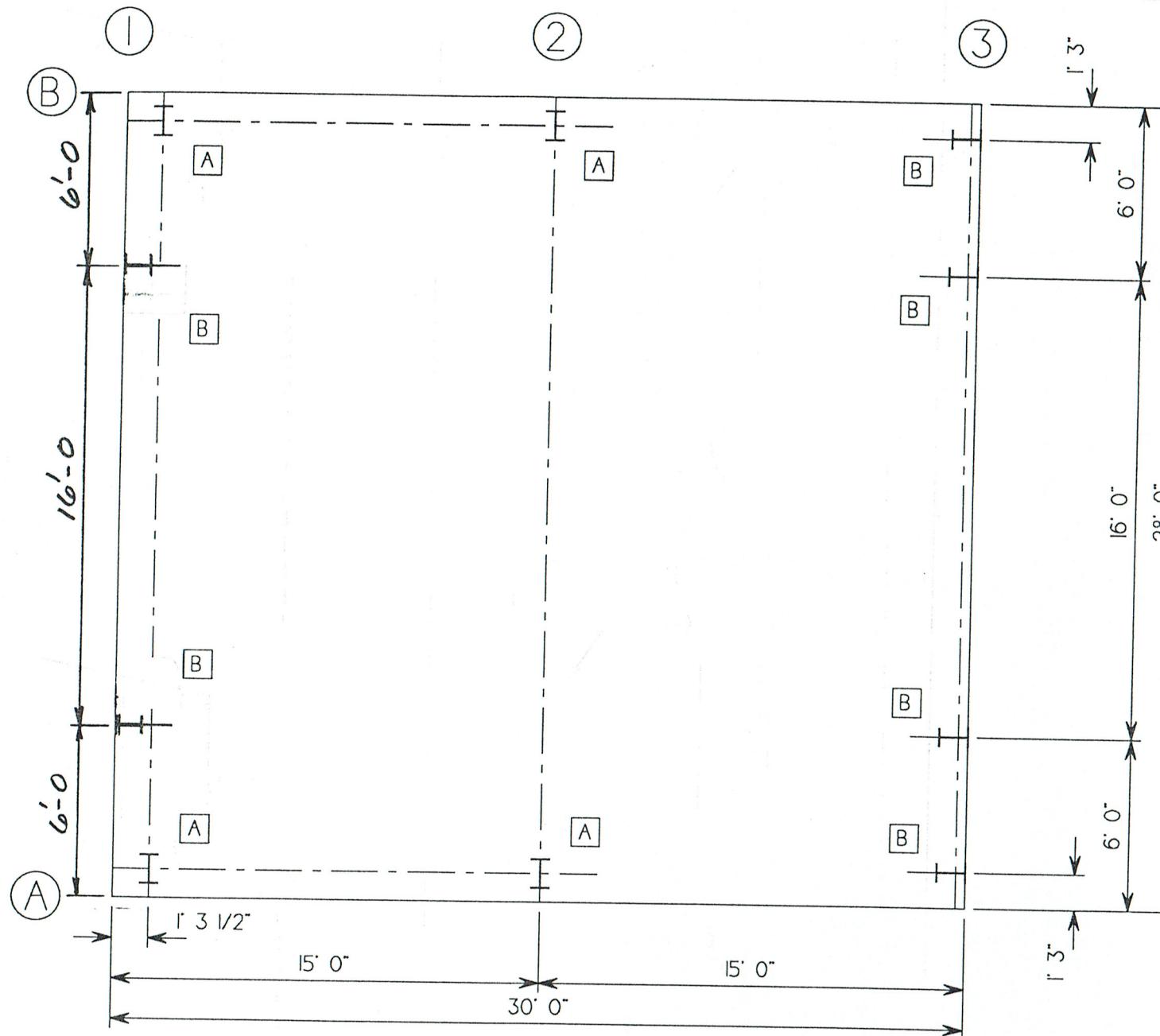


HCI  
STEEL  
PRODUCTS  
INC.

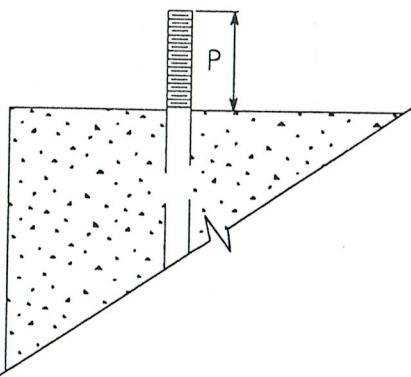
18520 67th AVE. N.E.  
ARLINGTON, WA 98223

(206) 435-8871  
FAX (206) 435-9267

JOB NO.  
650

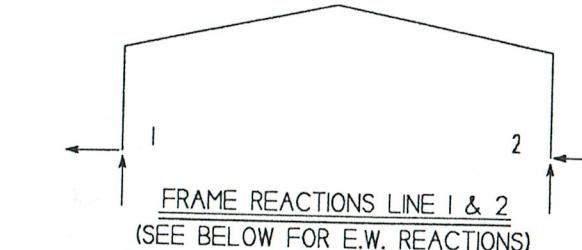


### ANCHOR BOLT PLAN

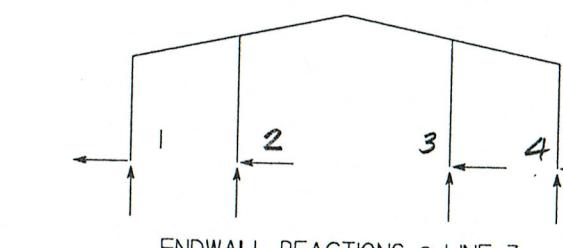


QTY	DESCRIPTION	P(PROJECTION)
12	3/4 Ø	3.00"
8	7/8 Ø	3.00"

- FOUNDATION NOTES:
- ANCHOR BOLTS, EMBEDDED ITEMS & FOUNDATION DESIGN ARE NOT BY H.C.I. AND REQUIRE SPECIAL REINFORCEMENT.
  - FOUNDATION MUST BE SQUARE, LEVEL & SMOOTH. ALL ANCHOR BOLTS MUST BE PLACED ACCURATELY IN THE POSITIONS SHOWN OR STEEL WILL NOT FIT.
  - BOTTOM OF ALL BASEPLATES TO BE AT SAME ELEVATION UNLESS NOTED.
  - COLUMN REACTIONS ARE IN THOUSANDS OF POUNDS.
  - THE ANCHOR BOLT REACTIONS LISTED ON THE DRAWINGS AND STRUCTURAL CALCULATIONS HAVE BEEN REDUCED 25% AT LOADING COMBINATIONS THAT INCLUDE WIND OR SEISMIC FORCES.
  - ANCHOR BOLTS ARE TO BE TYPE A36.
  - REACTIONS SHOULD BE CONSIDERED SWITCHABLE WHEN LOADS ARE APPLIED FROM THE OPPOSITE DIRECTION.



NO	DESCRIPTION	SUPPORT	HORIZONTAL	VERTICAL
1	D+L	1	-7.36	31.19
1	D+L	2	7.36	31.18
2	D+W	1	1.34	-1.95
2	D+W	2	0.51	-1.02
3	D+W	1	-0.51	-1.02
3	D+W	2	-1.34	-1.95
4	D+.5L+W	1	-2.24	13.23
4	D+.5L+W	2	4.10	14.17
5	D+.5L+W	1	-4.10	14.17
5	D+.5L+W	2	2.24	13.23
6	D+L+.5W	1	-4.78	22.11
6	D+L+.5W	2	5.71	22.58
7	D+L+.5W	1	-5.71	22.58
7	D+L+.5W	2	4.78	22.11



NO	DESCRIPTION	SUPPORT	HORIZONTAL	VERTICAL
1	D+L	1	0.00	0.01
1	D+L	2	0.00	16.30
1	D+L	3	0.00	16.30
1	D+L	4	0.00	0.01
2	D+W	1	0.25	-0.15
2	D+W	2	0.59	-0.34
2	D+W	3	0.59	-0.34
2	D+W	4	0.25	-0.15
3	D+W	1	0.25	-0.15
3	D+W	2	0.59	-0.34
3	D+W	3	0.59	-0.34
3	D+W	4	0.25	-0.15

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REV. DATE	DESCRIPTION

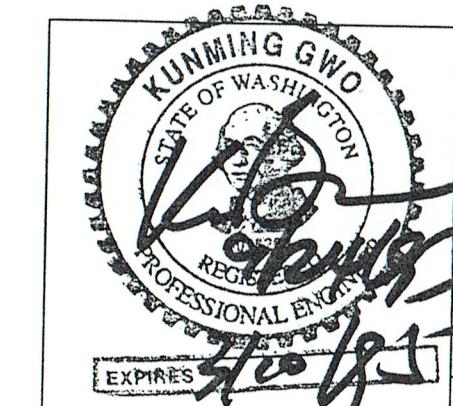
REVISIONS



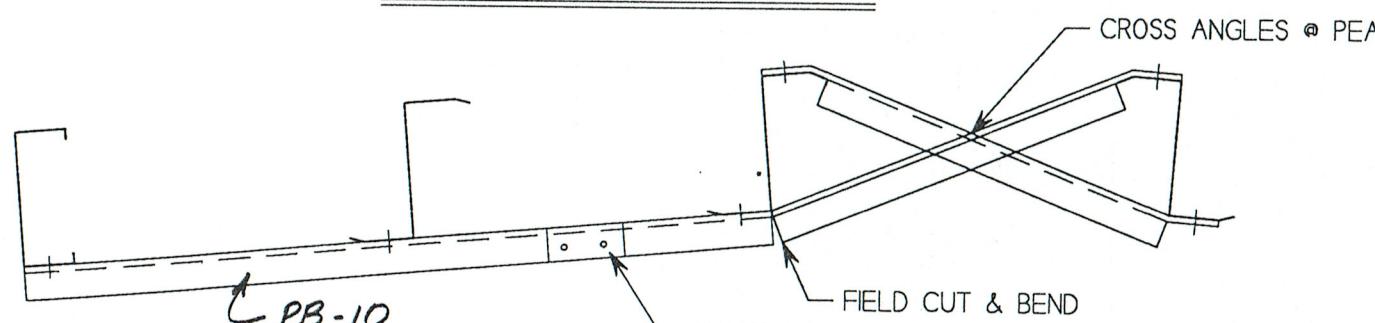
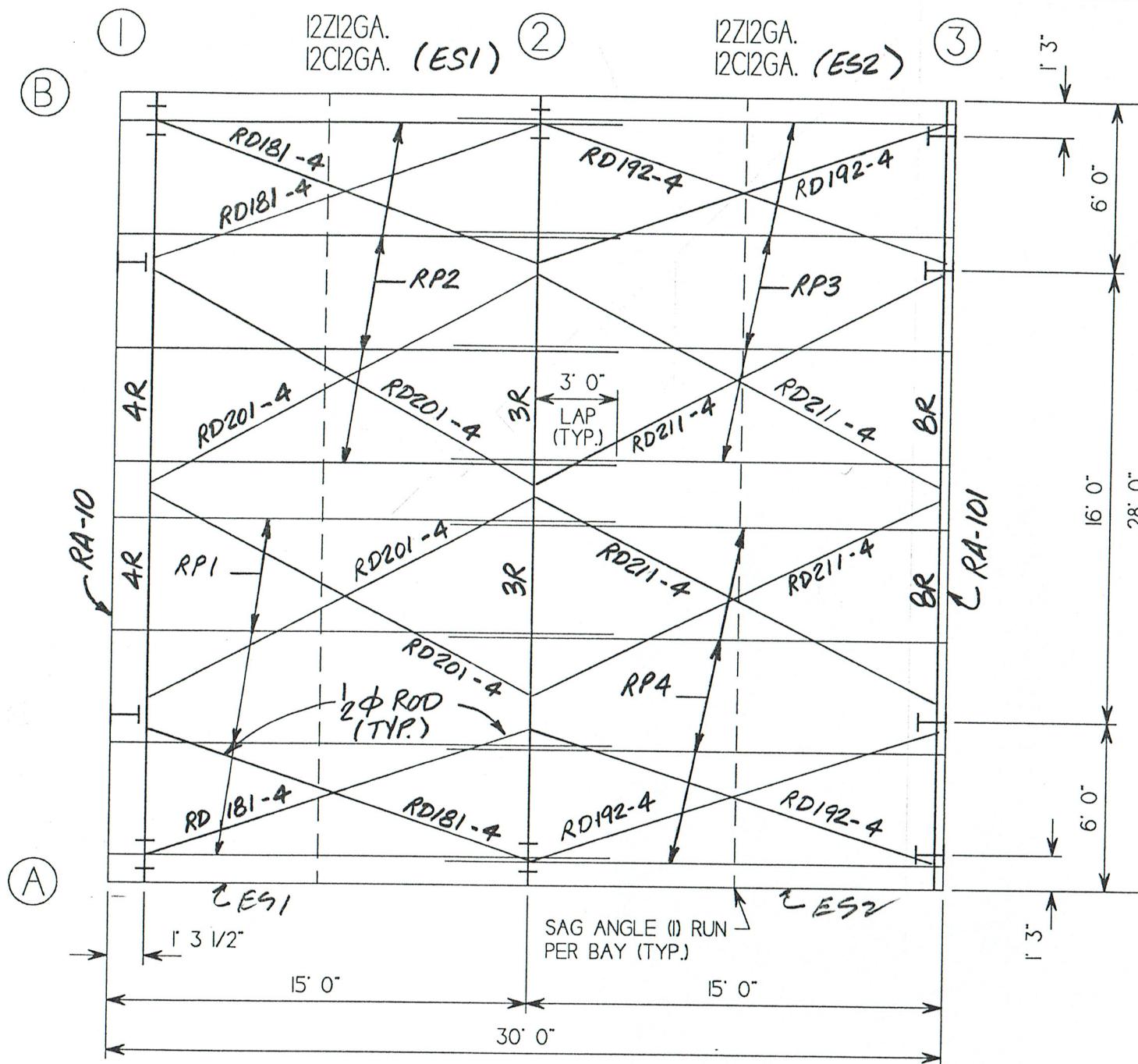
KITIATAS CO.

MICHAEL B. LONERGAN

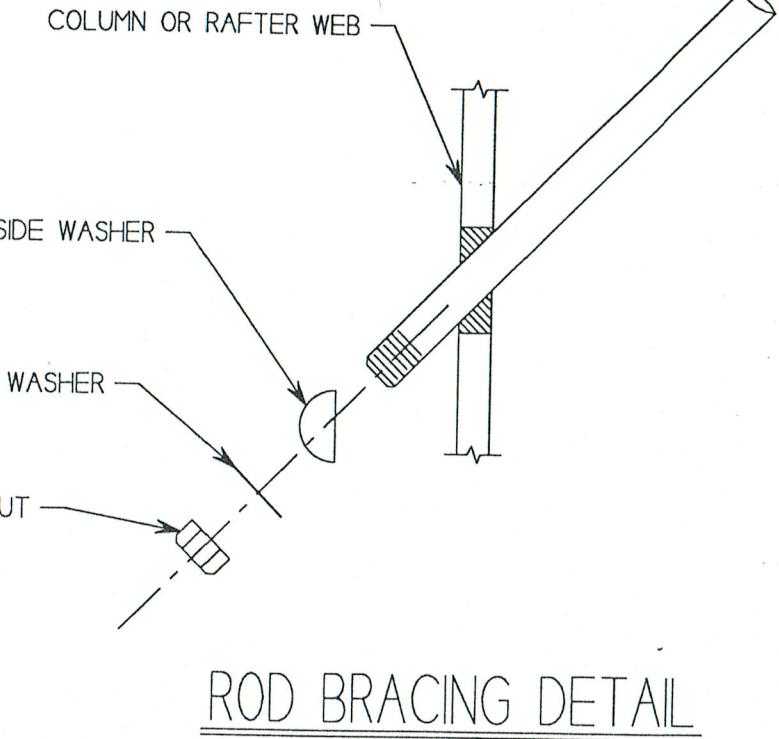
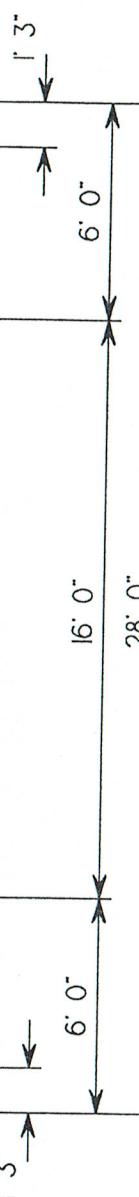
OITHELLO, WASHINGTON



DRAWN SMG DATE 9/22/93 CKD DATE 9/22/93 JOB # 650 PG. PEB-1



### SAG ANGLE DETAIL



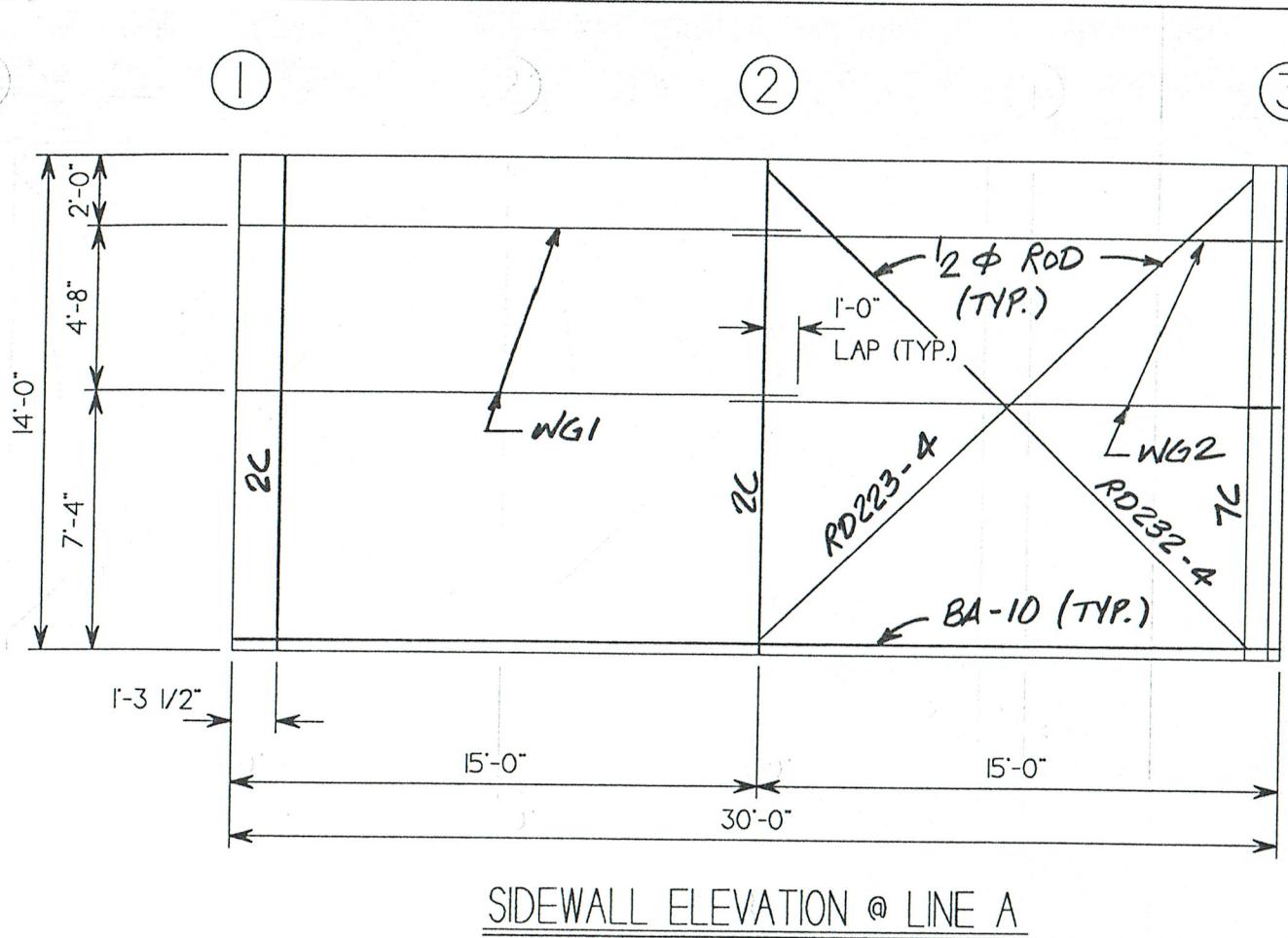
ROD BRACING DETAIL

NOTE!  
2" BLANKET INSULATION w/  
WHITE VINYL FACING @ ROOF ONLY.  
BY HCI

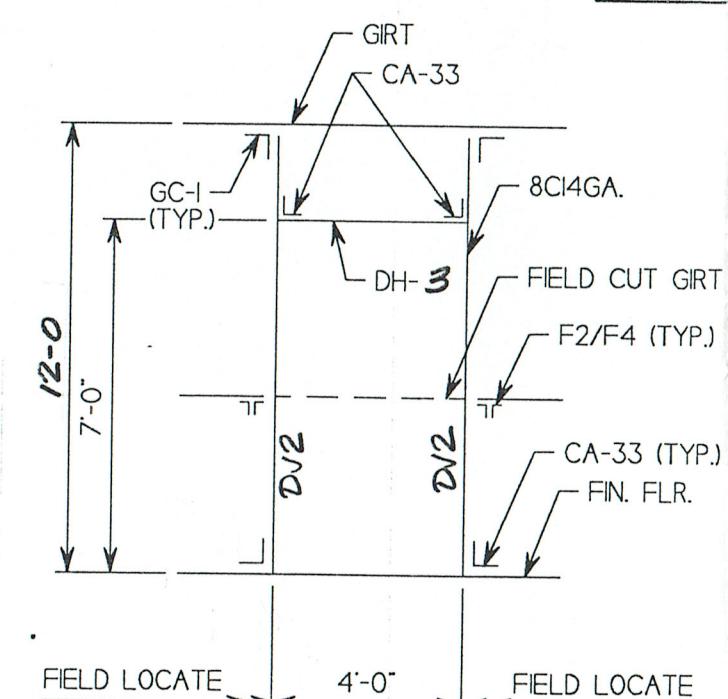
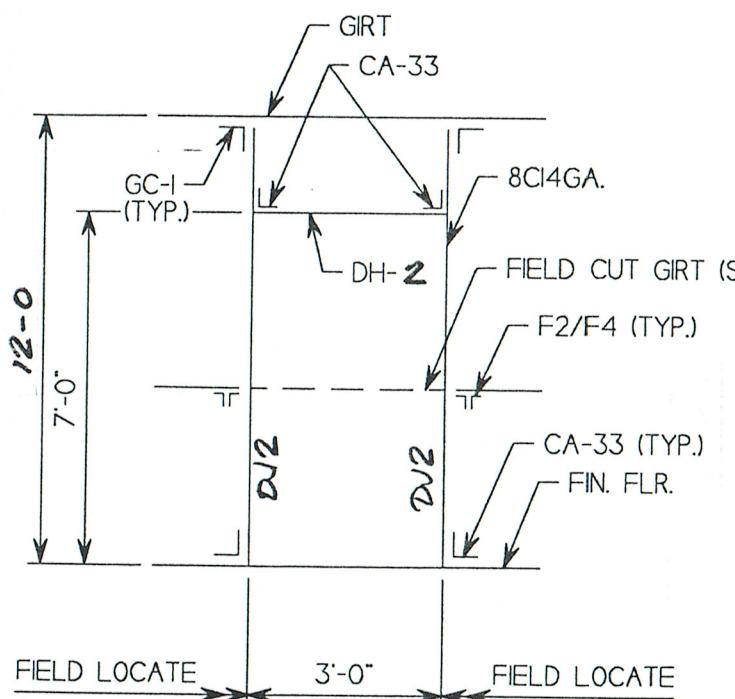
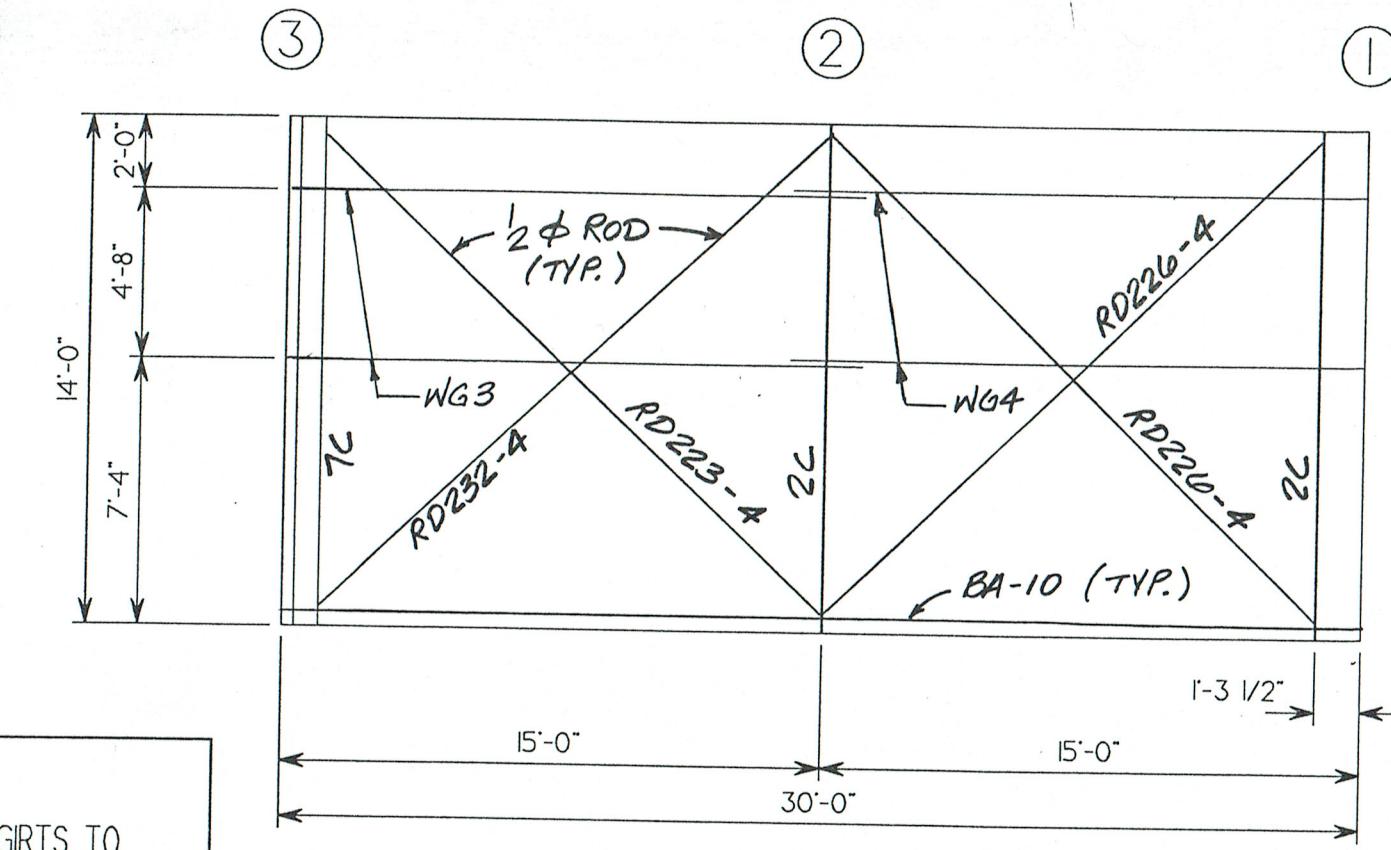
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REV. DATE	DESCRIPTION				
REVISIONS					
<b>HCI</b> HCI STEEL PRODUCTS INC.					
KITIATAS CO.					
MICHAEL B. LONERGAN					
OTHELLO, WASHINGTON					
EXPIRES 3/10/95					
DRAWN SMG	DATE 9/22/93	CHKD PBO	DATE 9/29/93	JOB # 650	PG. PEB-2

KUNMING GIAO STATE OF WASHINGTON PROFESSIONAL ENGINEERS EXPIRES 3/10/95

Michael B. Lonergan



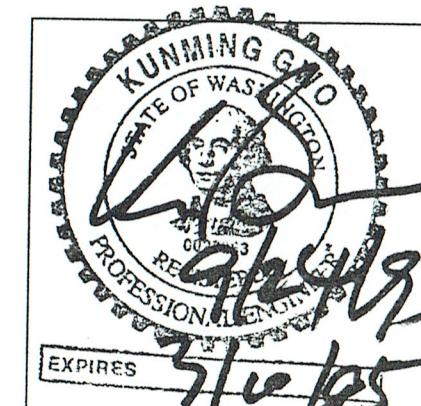
NOTE!  
ALL GRTS TO  
BE 8ZI6GA (TYP.)

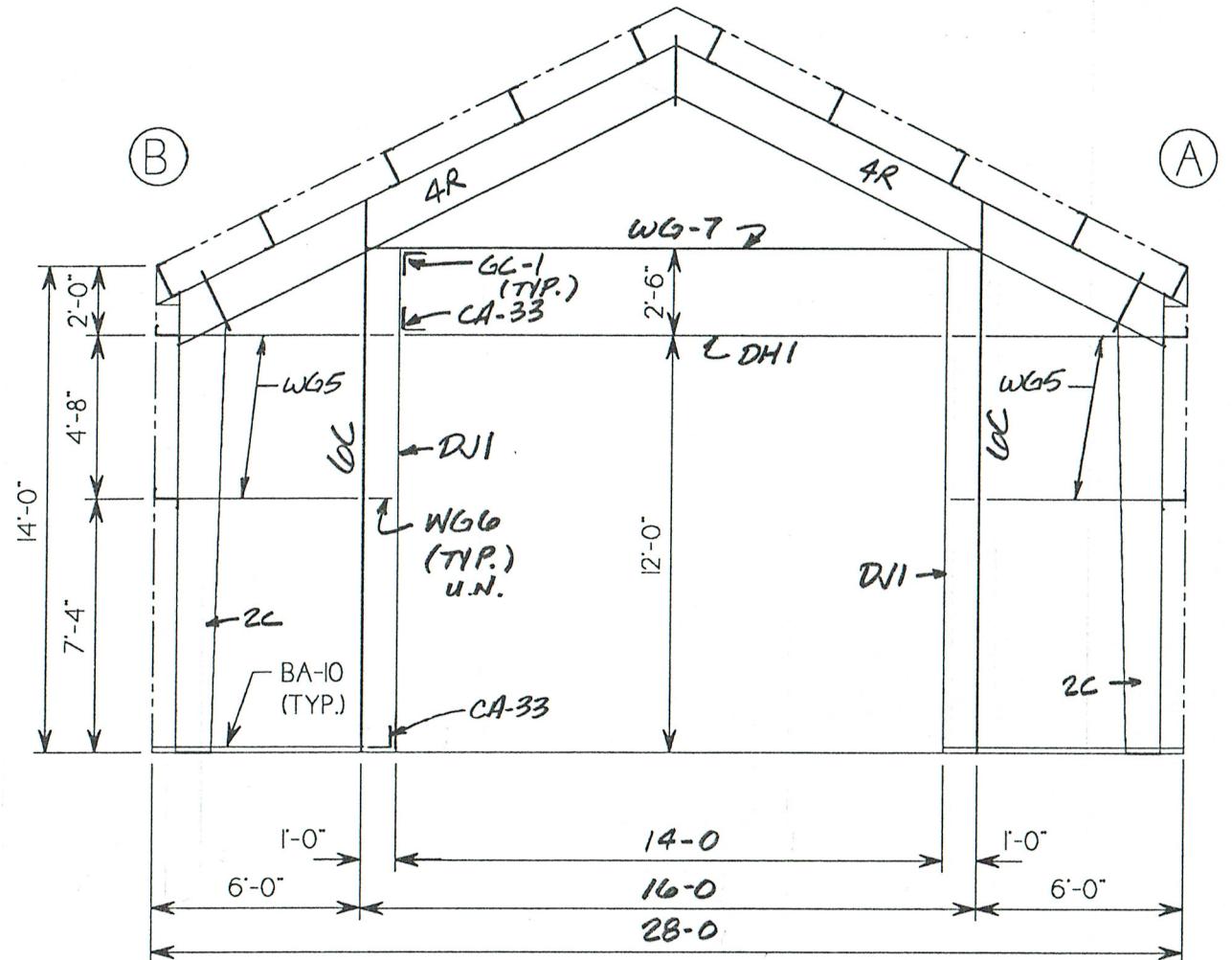


FRAMED OPENING DETAIL  
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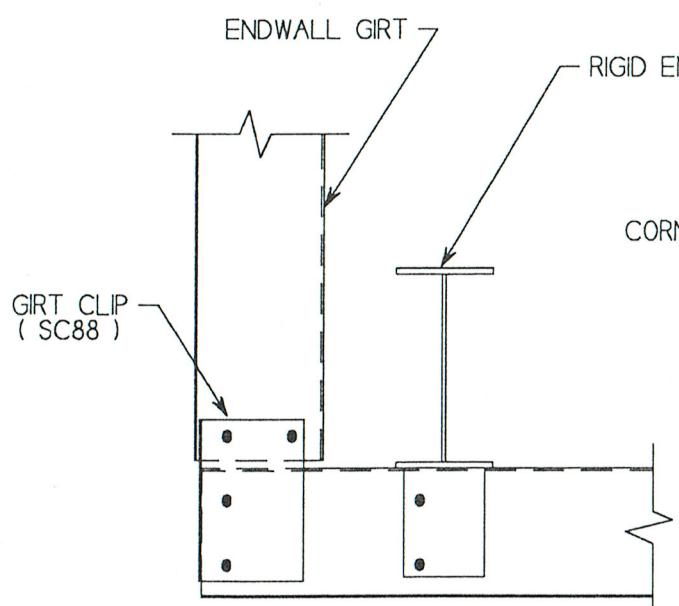
FRAMED OPENING DETAIL  
(1) REQ'D

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REV. DATE	DESCRIPTION				
REVISIONS					
<b>HCI</b> STEEL PRODUCTS INC.					
KITIATAS CO.					
MICHAEL B. LONERGAN					
OTHELLO, WASHINGTON					
DRAWN SMG	DATE 9/23/93	CHK'D JNO	DATE 9/29/93	JOB # 650	PG. PEB-3

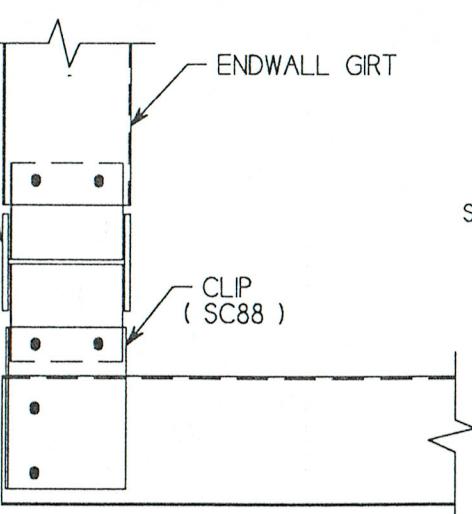




ENDWALL ELEVATION @ LINE 1

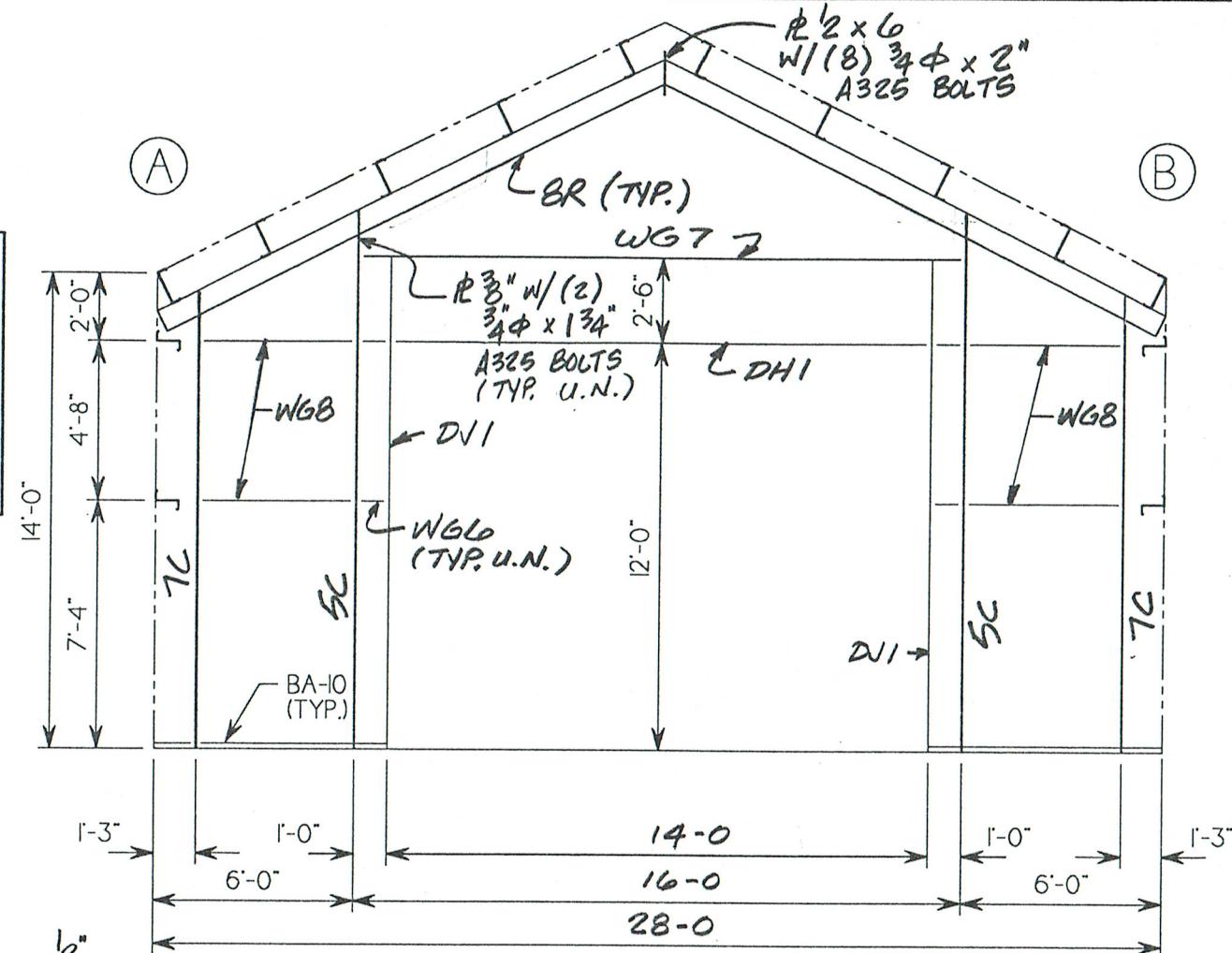


RIGID FRAME CORNER DETAIL  
(@ LINE 1)

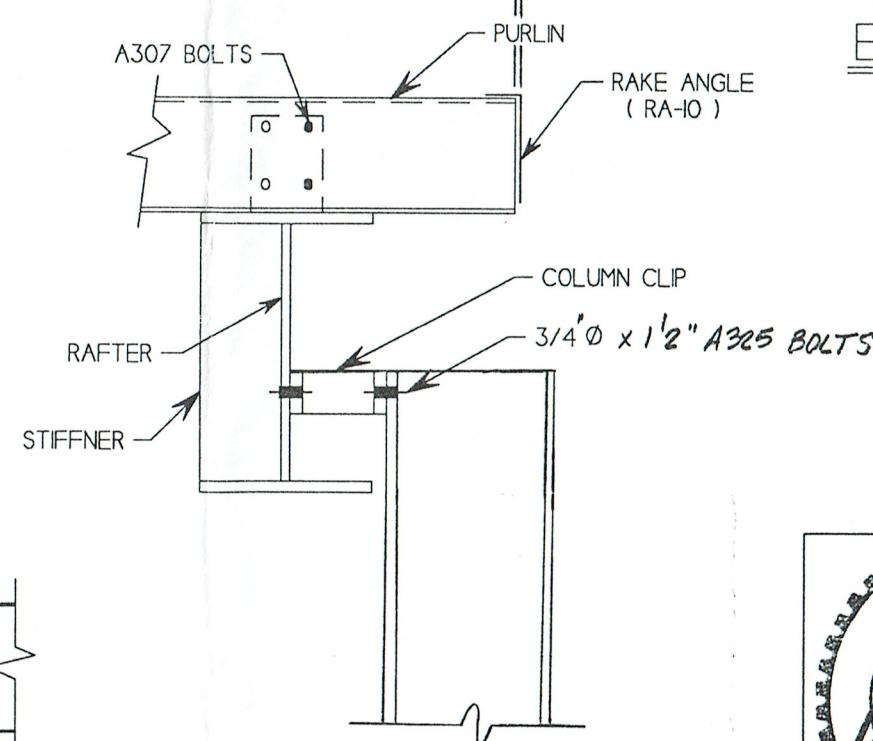


BEARING FRAME CORNER DETAIL  
(@ LINE 3)

**NOTE!**  
ALL GIRTS TO BE  
8ZI6GA. & ALL JAMBS  
& HEADERS TO BE  
8CI4GA. ALL BEARING  
FRAME MEMBERS TO  
BE PL 3/16" x 5" FLG.  
W/ 1/8" x 8" WEB



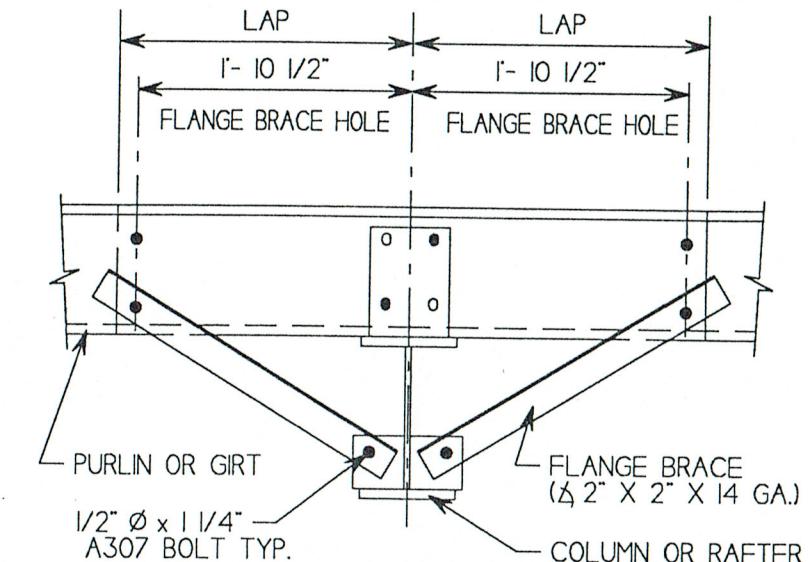
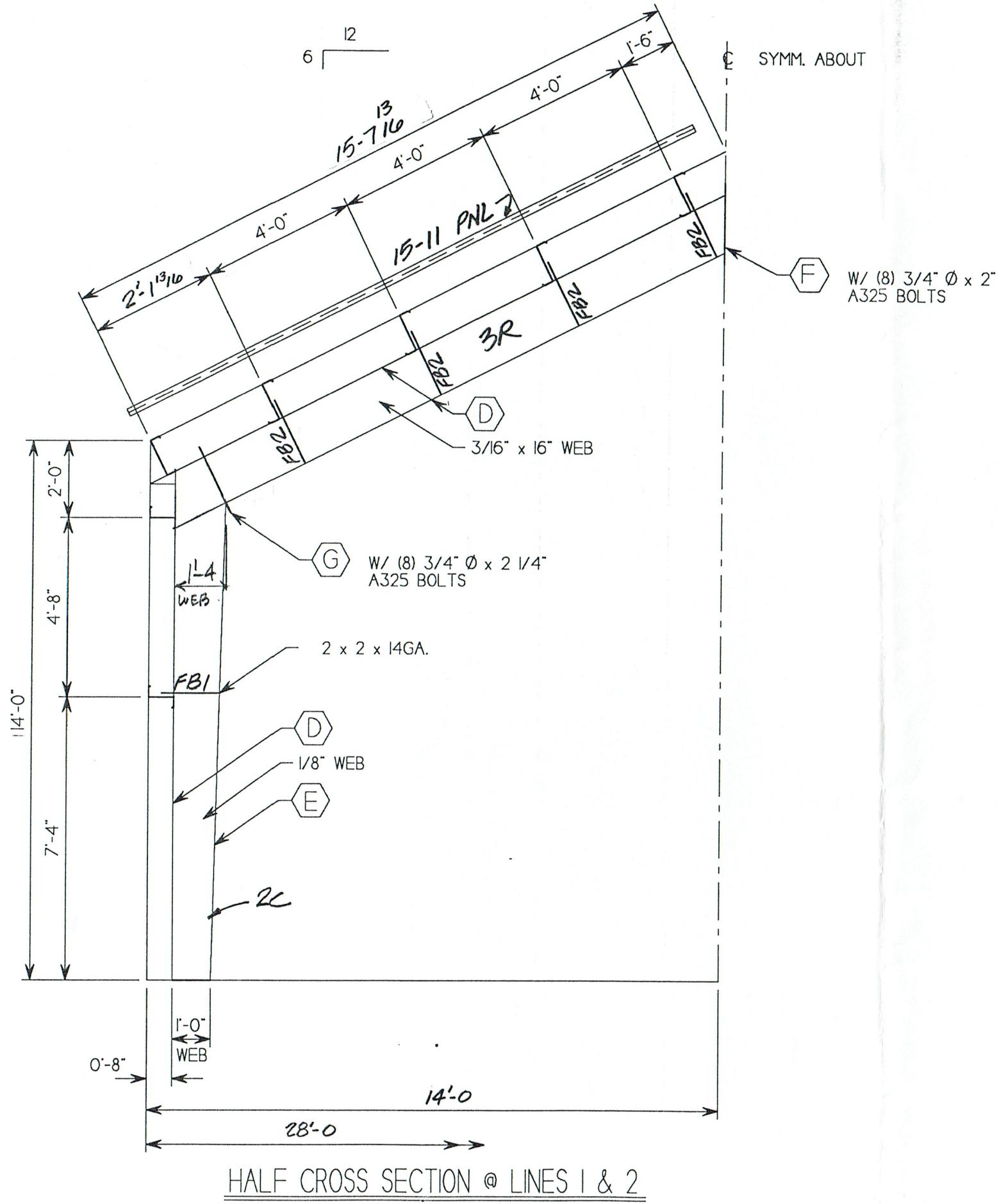
ENDWALL ELEVATION @ LINE 3



RIGID FRAME E.W. CONDITION  
(ENDWALL COLUMN TO RAFTER)

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REV. DATE	DESCRIPTION			
REVISIONS				
<b>HCI</b>				
HCI STEEL PRODUCTS INC.				
KITIATAS CO.				
MICHAEL B. LONERGAN				
OTHELLO, WASHINGTON				
DRAWN SMG	DATE 9/23/93	CHKD JPB 3 9.29.93	DATE JOB # 650	PG. PEB-4

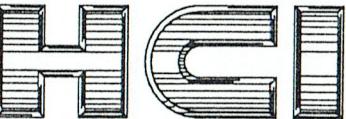
KUNMING GPO  
STATE OF WASHINGTON  
PROFESSIONAL ENGINEER  
EXPIRES 3/10/95  
9/24/93  
3/10/95

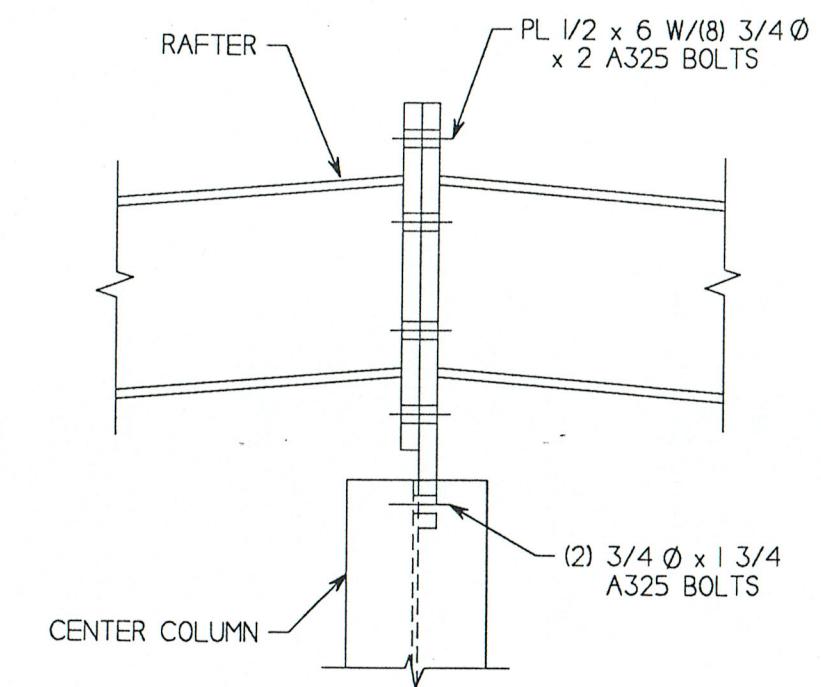
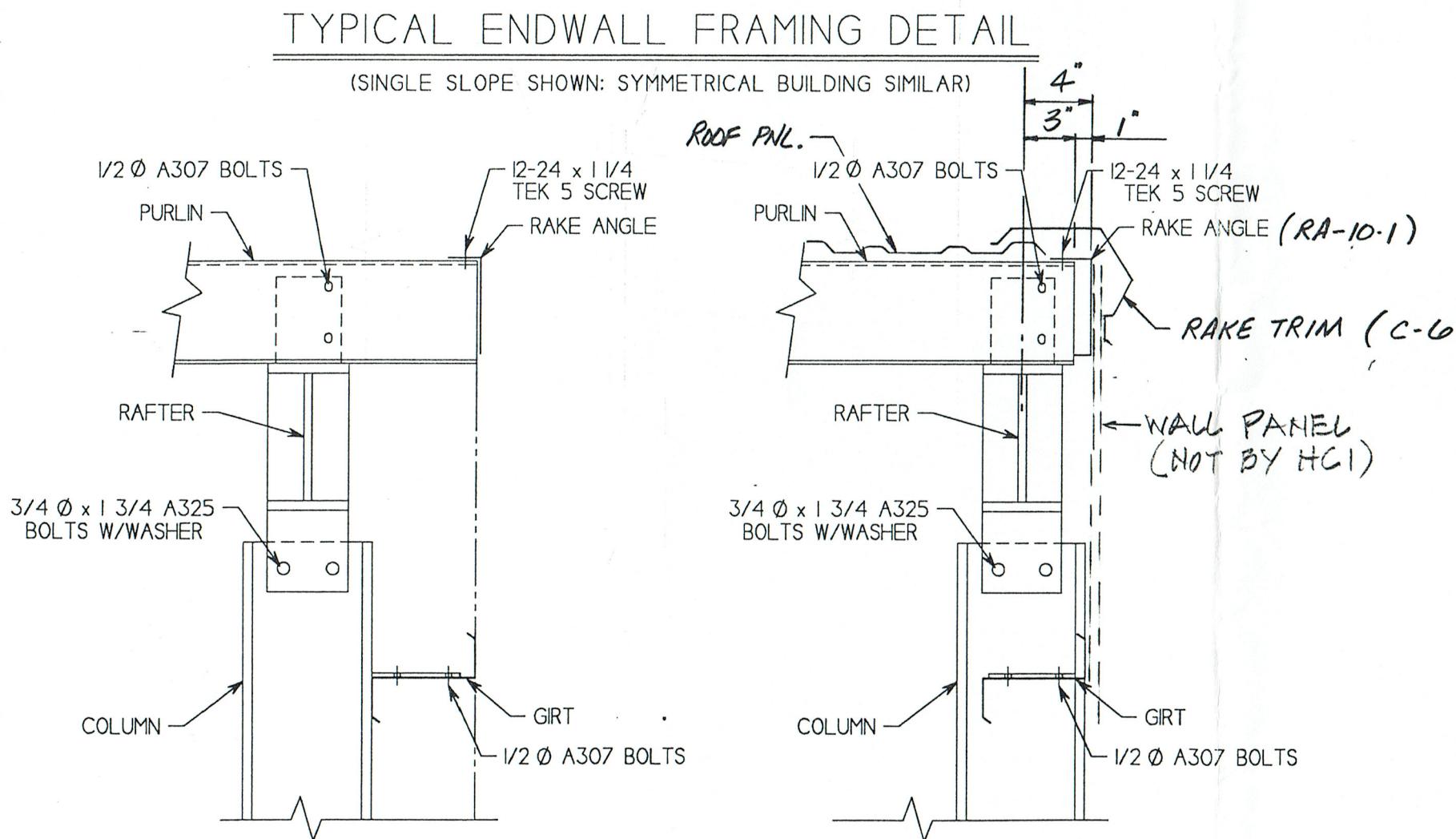
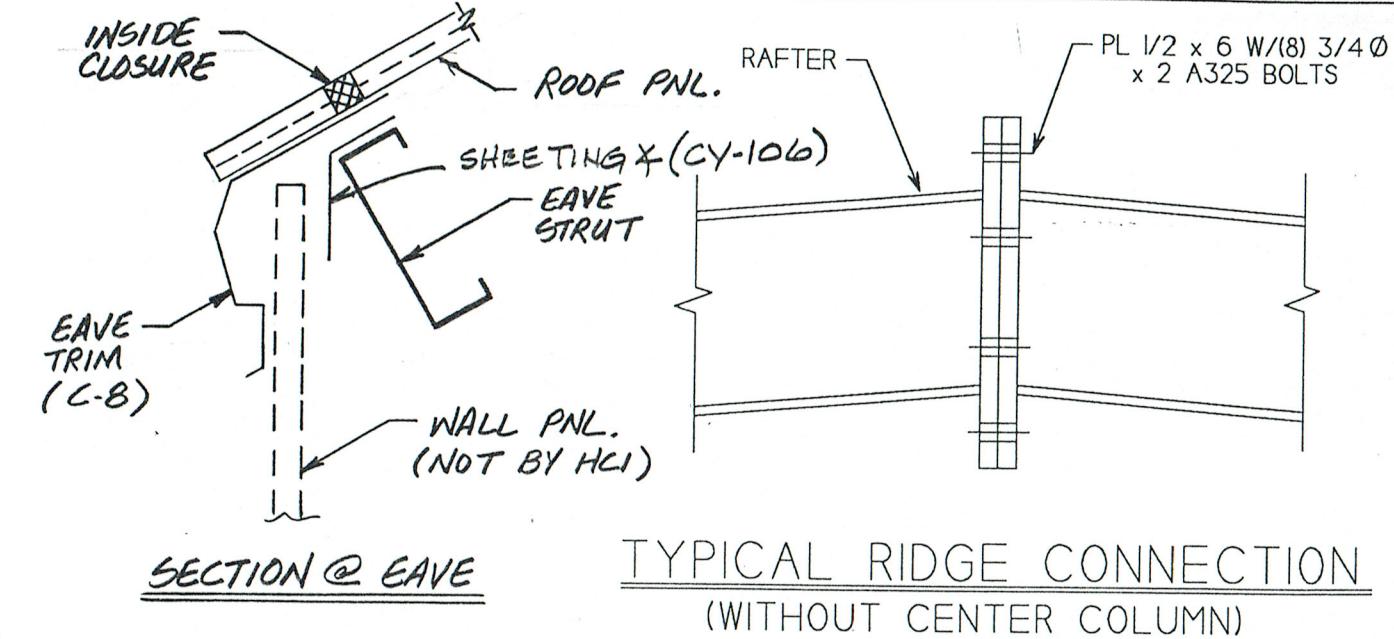
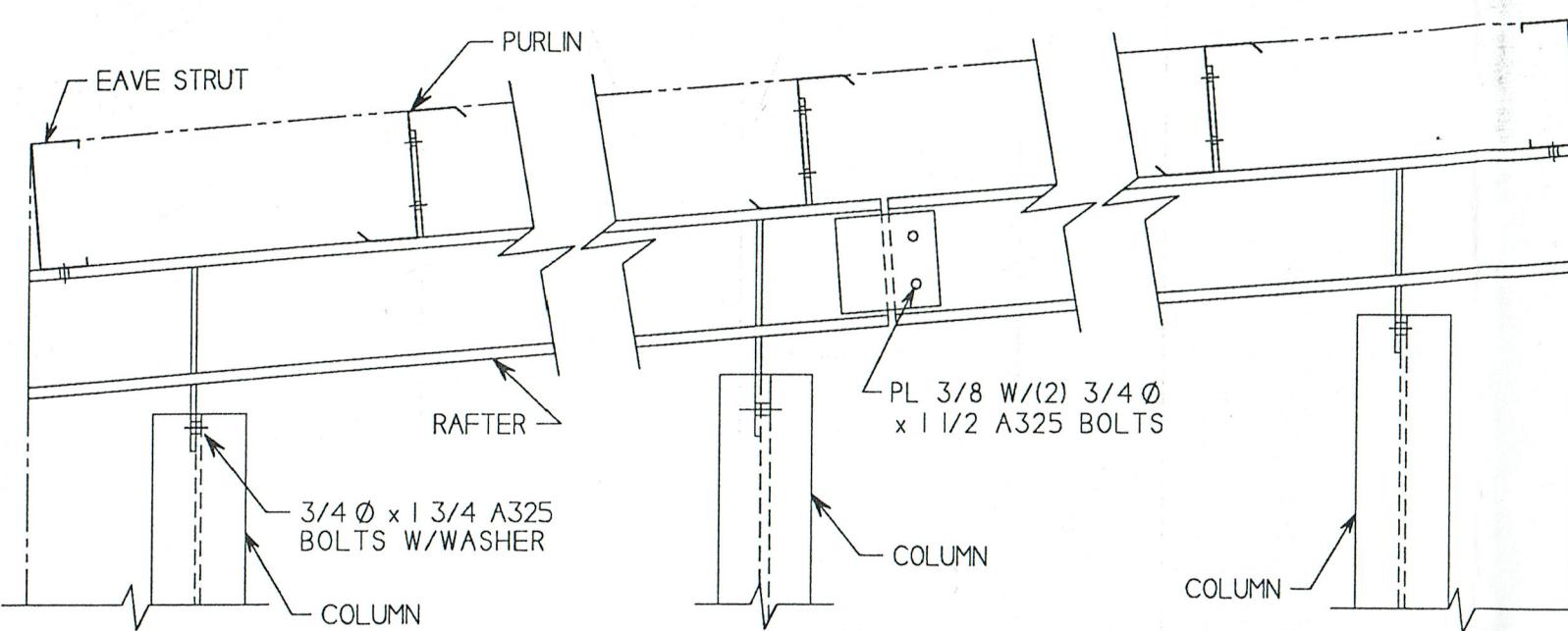


MARK	SIZE
A	PL 3/16 x 5
B	PL 1/4 x 5
C	PL 1/4 x 6
D	PL 5/16 x 6
E	PL 3/8 x 6
F	PL 1/2 x 6
G	PL 5/8 x 6
H	PL 3/4 x 6
K	PL 1 x 6
L	PL 1/4 x 8
M	PL 3/8 x 8
P	PL 1/2 x 8
R	PL 5/8 x 8
S	PL 3/4 x 8
T	PL 1/2 x 10
V	PL 5/8 x 10
W	PL 3/4 x 10
X	PL 1/2 x 12
Y	PL 3/4 x 12
Z	PL 1 x 12

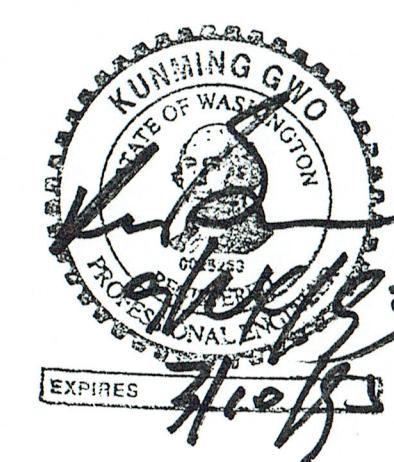
## FLANGE BRACE DETAIL

NOTE: FLANGE BRACE HOLE IS NOT NECESSARILY SAME AS LAP HOLE.

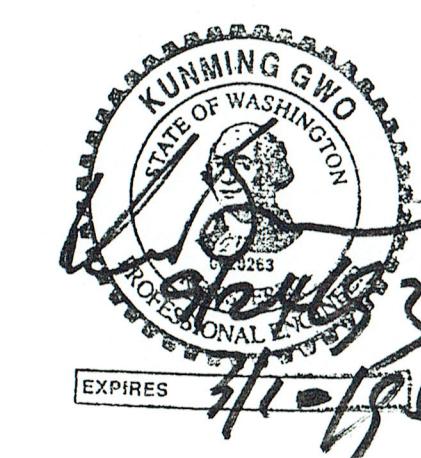
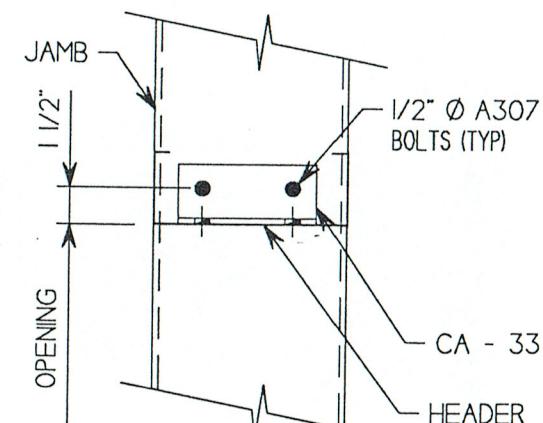
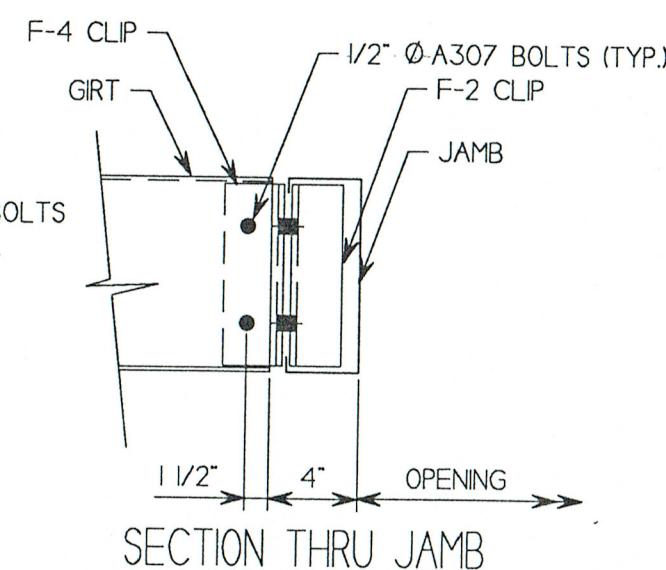
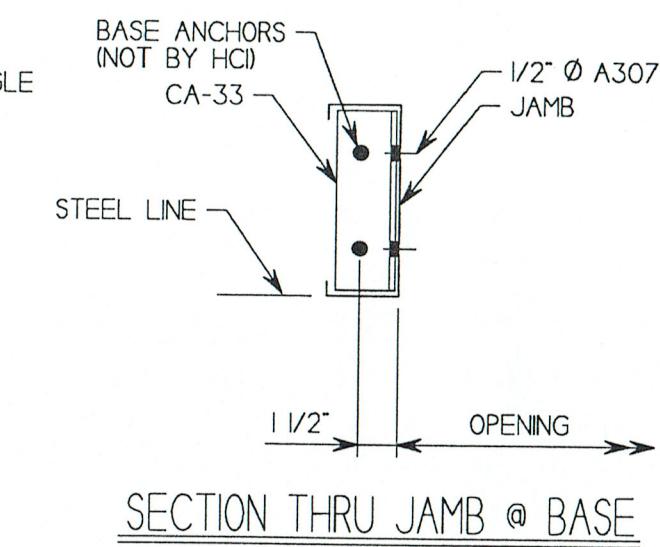
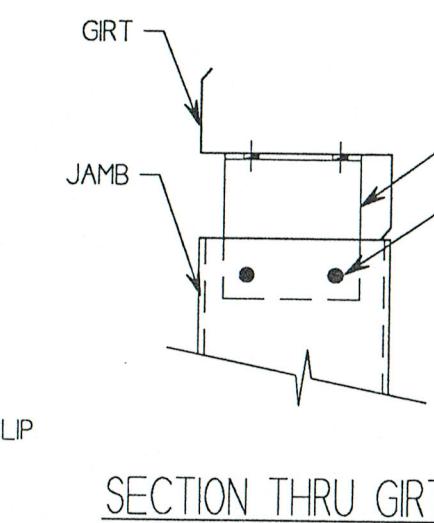
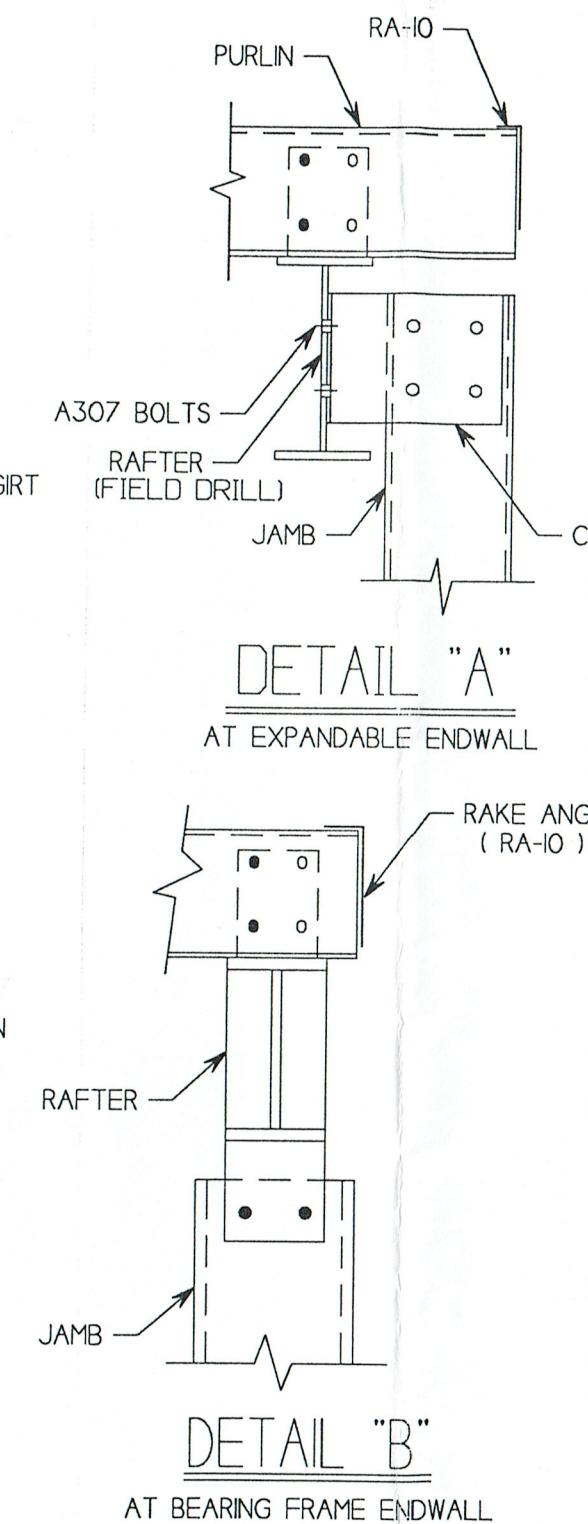
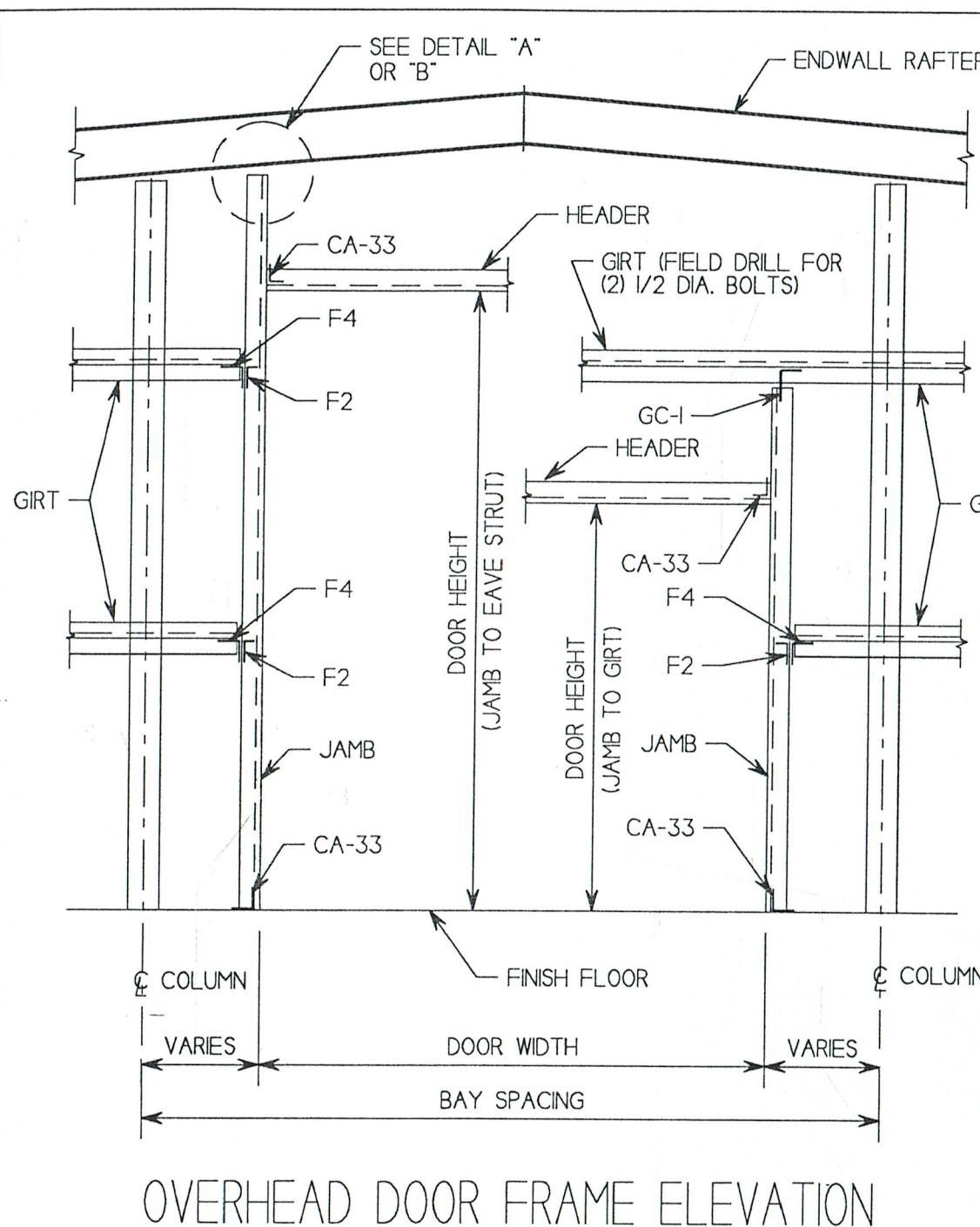
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REV. DATE	DESCRIPTION				
REVISIONS					
 <b>HCI</b> STEEL PRODUCTS INC.					
KITIATAS CO.					
MICHAEL B. LONERGAN					
OTHELLO, WASHINGTON					
DRAWN SMG	DATE 9/23/93	CHKD JPM	DATE 9/23/93	JOB #	PG. 650
EXPIRES 7/10/95					



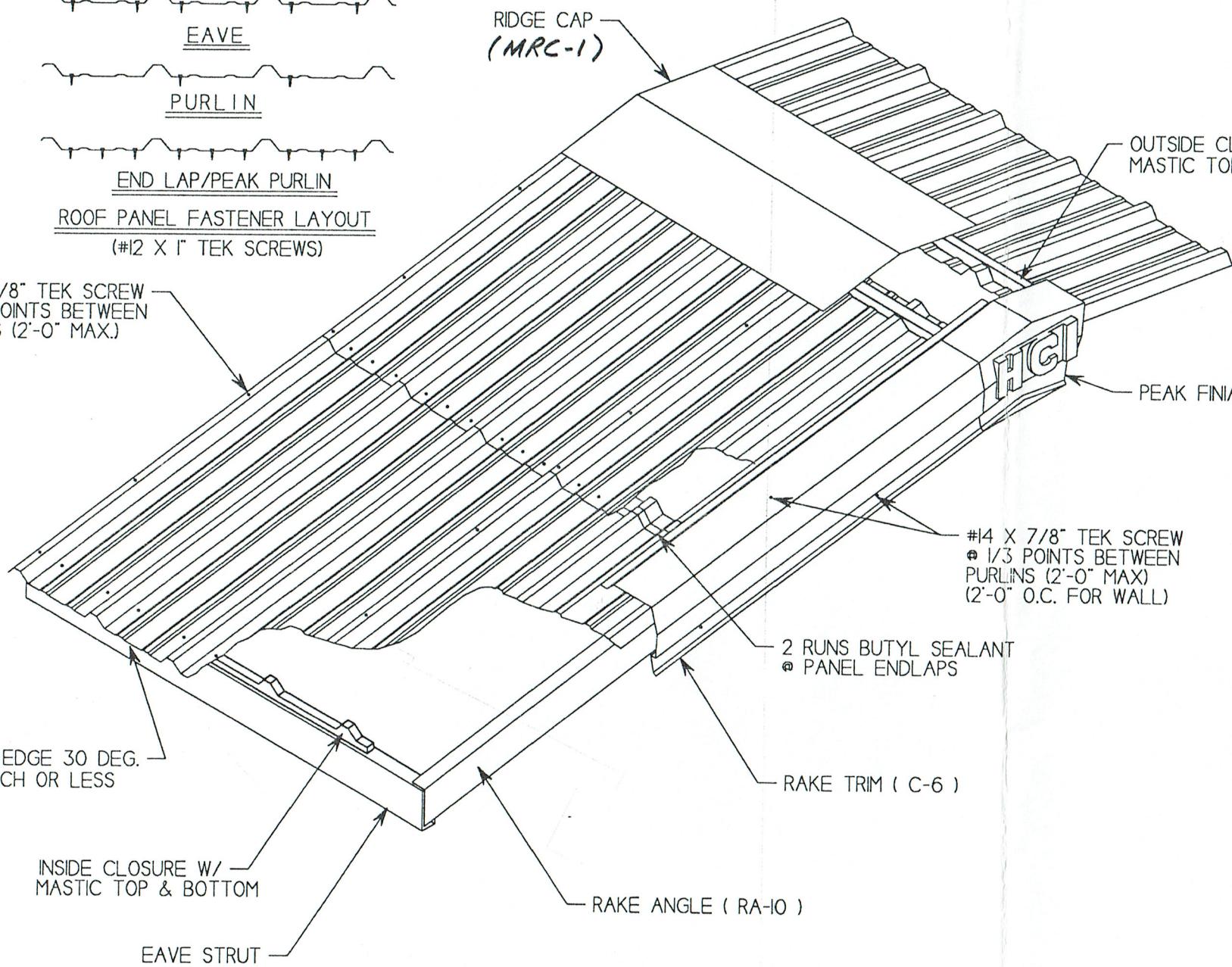
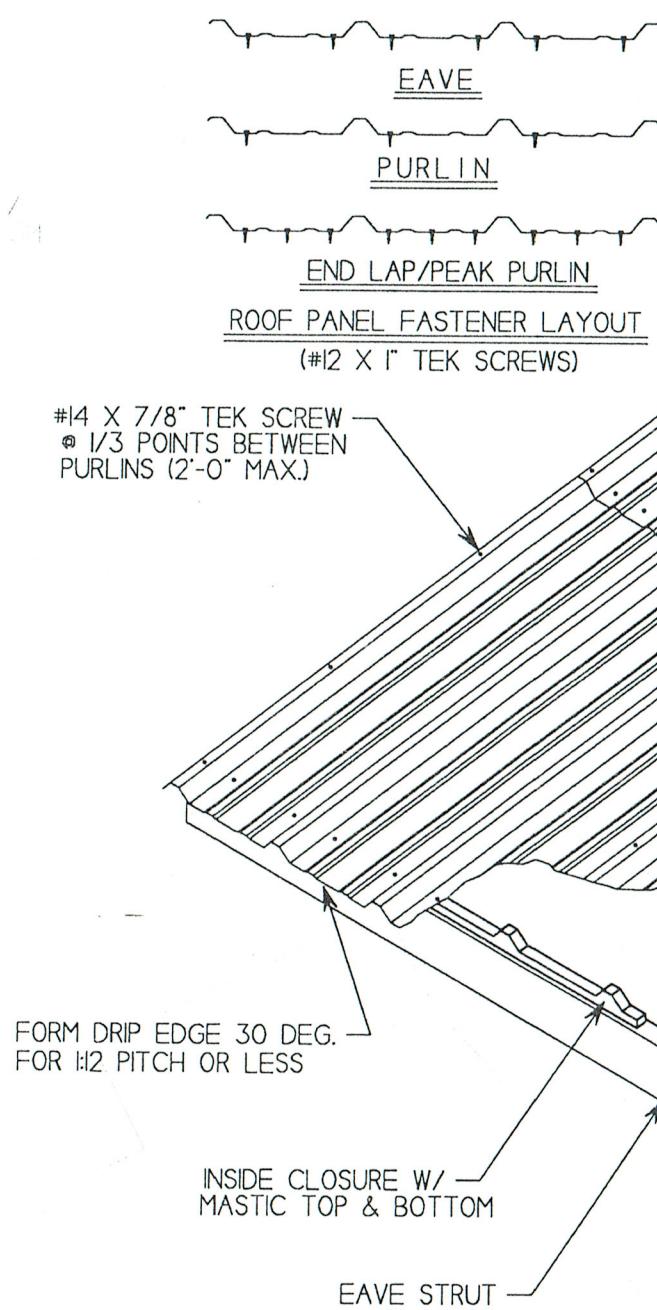
TYPICAL RIDGE CONNECTION  
(WITH CENTER COLUMN)



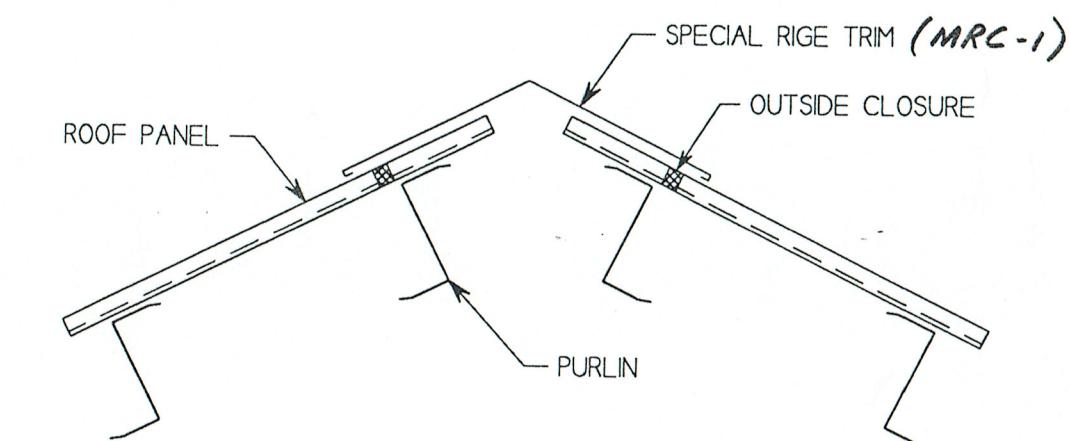
DRAWN: SMG DATE: 9/24/93 PG: BFEDET  
REF: 650 KITIATAS CO.  
**HCI** STEEL PRODUCTS INC. (206) 435-8871  
FAX (206) 435-9267  
ARLINGTON, WASHINGTON 98223



DRAWN:	SMG	DATE:	9/24/93	PG:	OHD02
REF:	650 KITIATAS CO.				
HCI	STEEL PRODUCTS INC.	(206)	435-8871	FAX	
		(206)	435-9267		98223

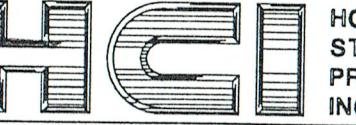


## ROOF PANEL LAYOUT



## RIDGE DETAIL



DRAWN:	SMG	DATE:	9/24/93	PG:	HRROOF1
REF:	650 KITIATAS Co.				
 <b>HCI</b> HCI STEEL PRODUCTS INC.			(206) 435-8871	FAX	(206) 435-9267
ARLINGTON, WASHINGTON					