



# WedgCor, Inc.

**Building Systems**

(701) 252-7380

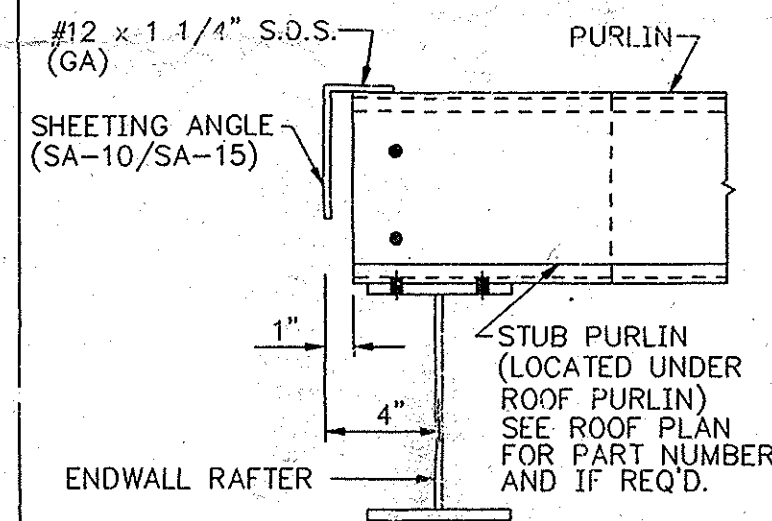
P.O. Box 110 • Jamestown, ND 58402-0110

FOR CONSTRUCTION

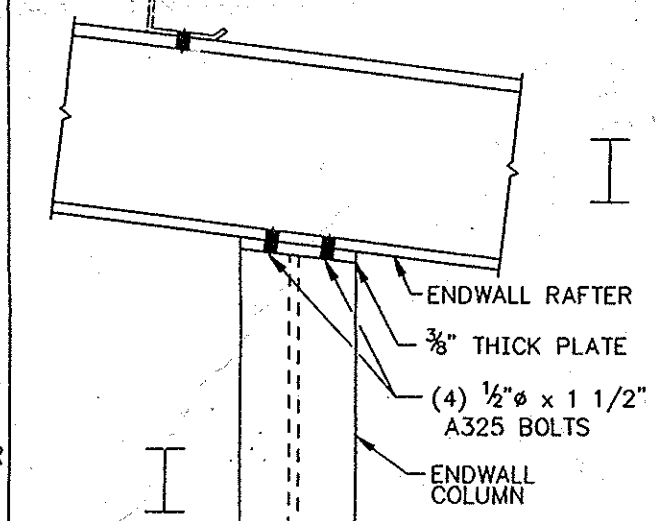
NOTE: THESE PLANS ARE THE FINAL COMPLETED DRAWINGS AND ARE TO BE USED FOR THE ERECTION OF THIS BUILDING.

NOTICE TO BUYER

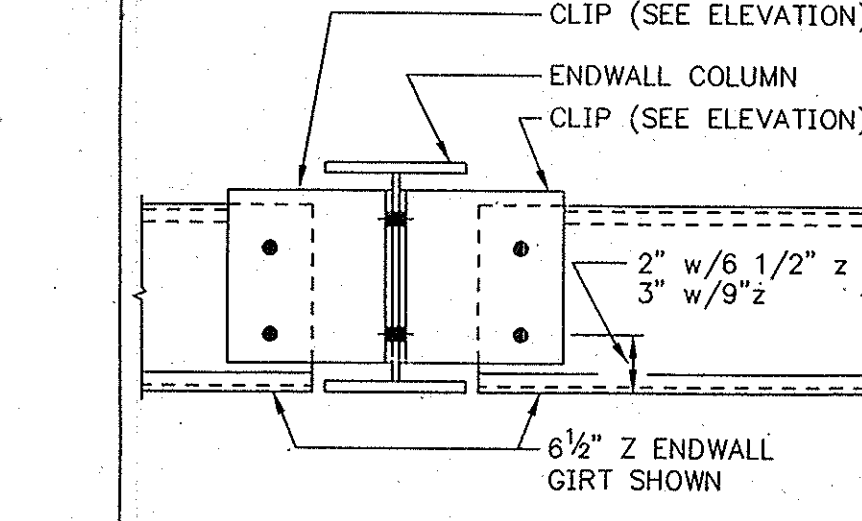
WEDGCOR, INC. ONLY SUPPLIES BUILDING MANUFACTURED BY WEDGCOR, INC. YOU INDEPENDENT AND NOT A CONTRACTOR WEDGCOR, INC. INSULATION, ERECTION DOORS, ETC., ARE NOT THE RESPONSIBILITY OF WEDGCOR, INC.



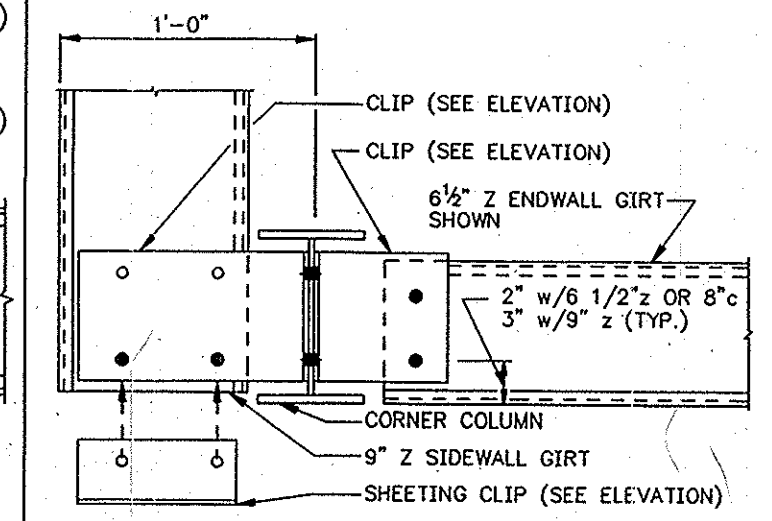
A3 PURLIN TO ENDWALL RAFTER DETAIL



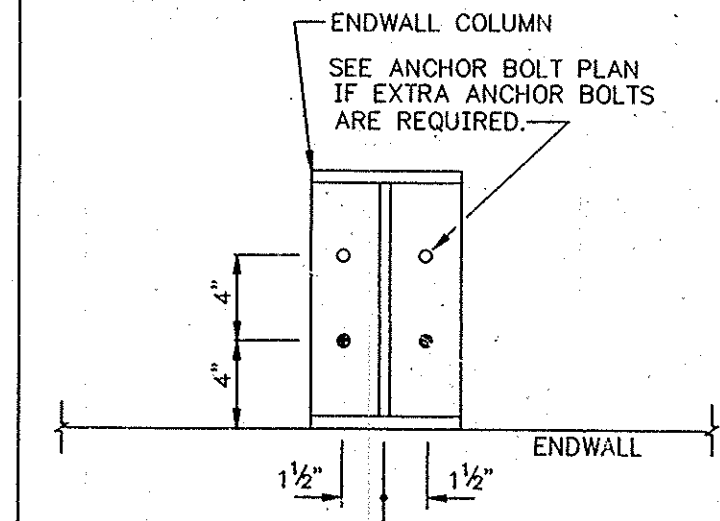
A3 ENDWALL COLUMN TO ENDWALL RAFTER



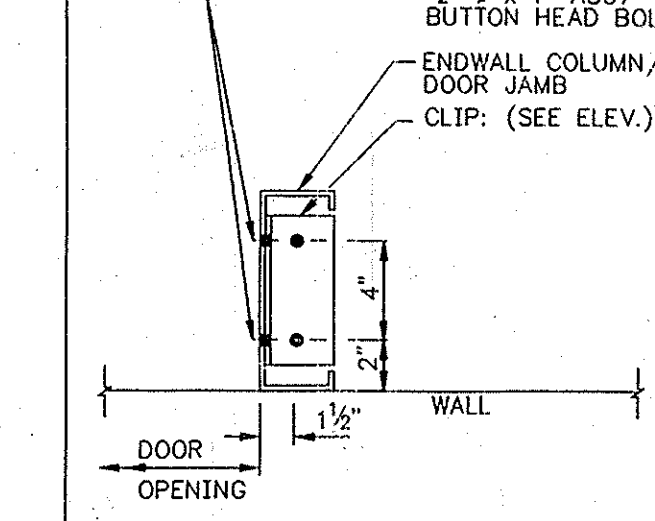
B3 GIRT TO ENDWALL COLUMN DETAIL



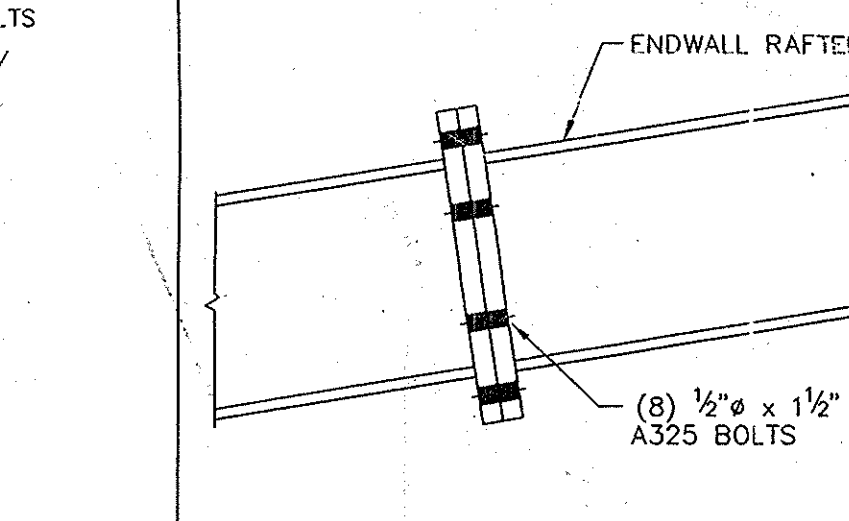
C3 CORNER COLUMN TO WALL GIRT



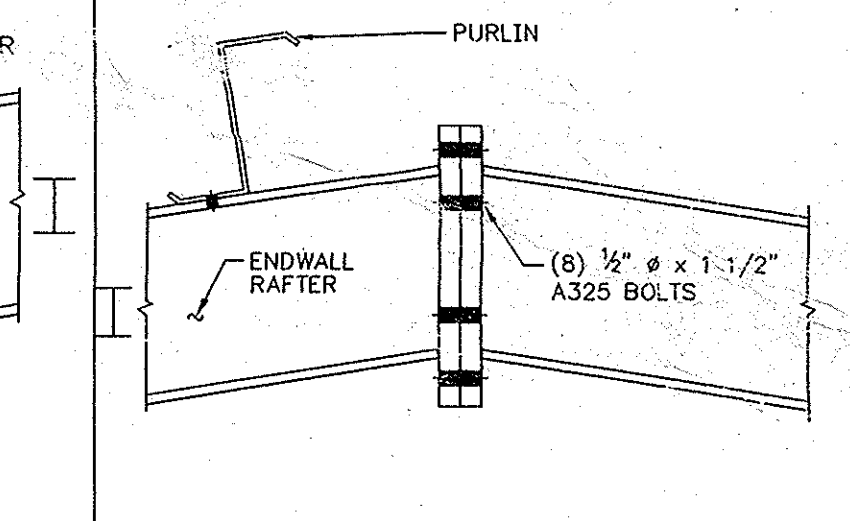
D3 BASE PLATE FOR ENDWALL



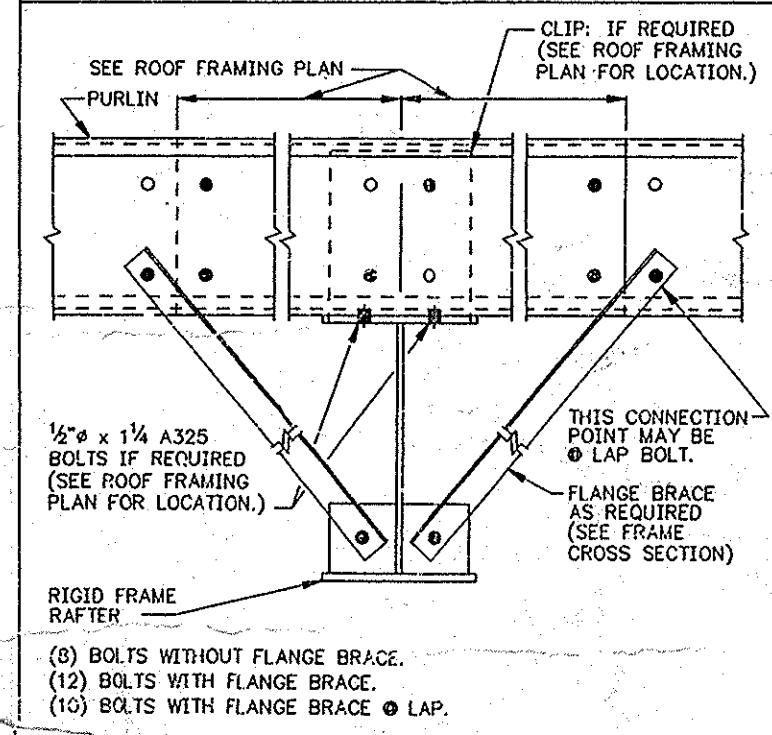
E3 DOOR JAMB BASE DETAIL



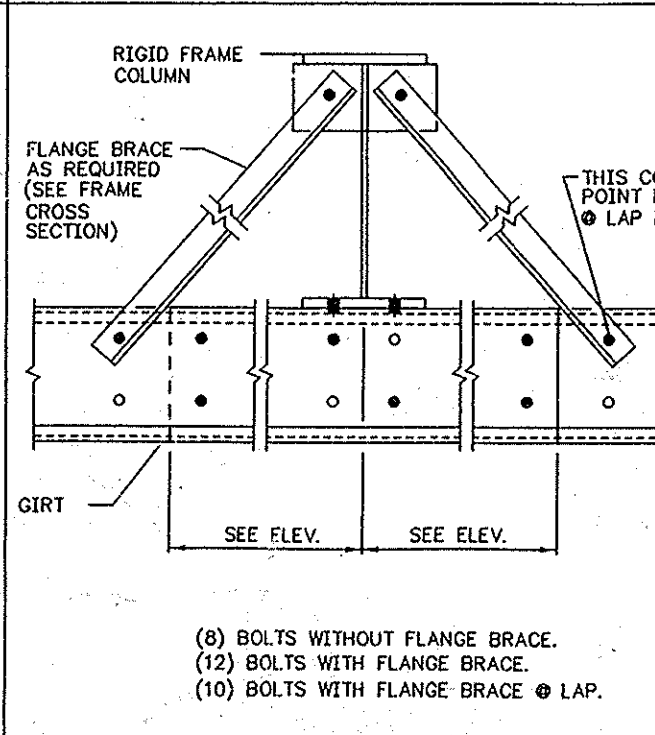
E6 RAFTER SPLICE DETAIL



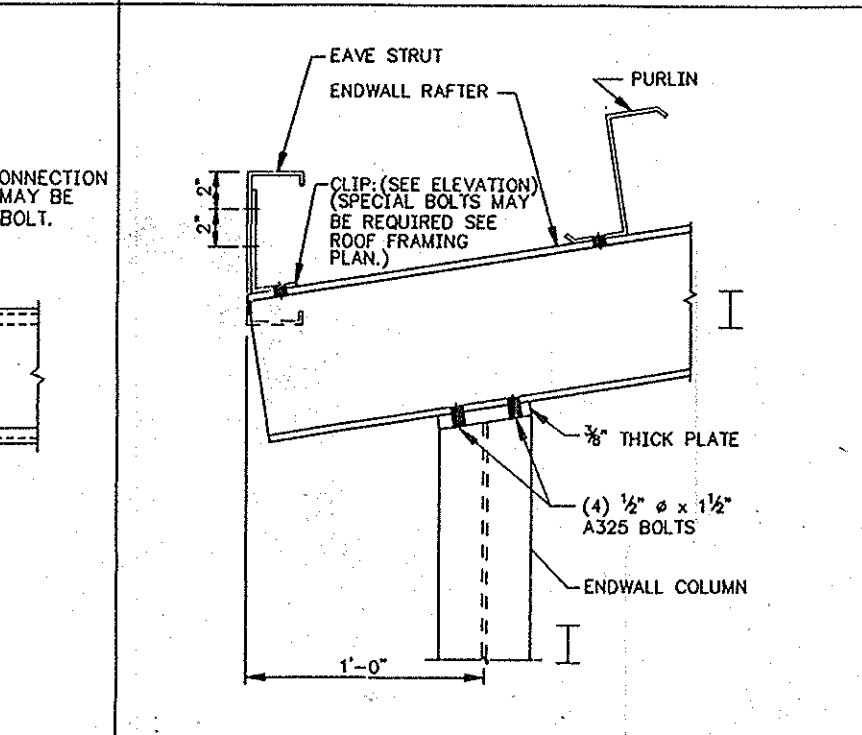
F9 PEAK DETAIL WITHOUT CENTER COLUMN



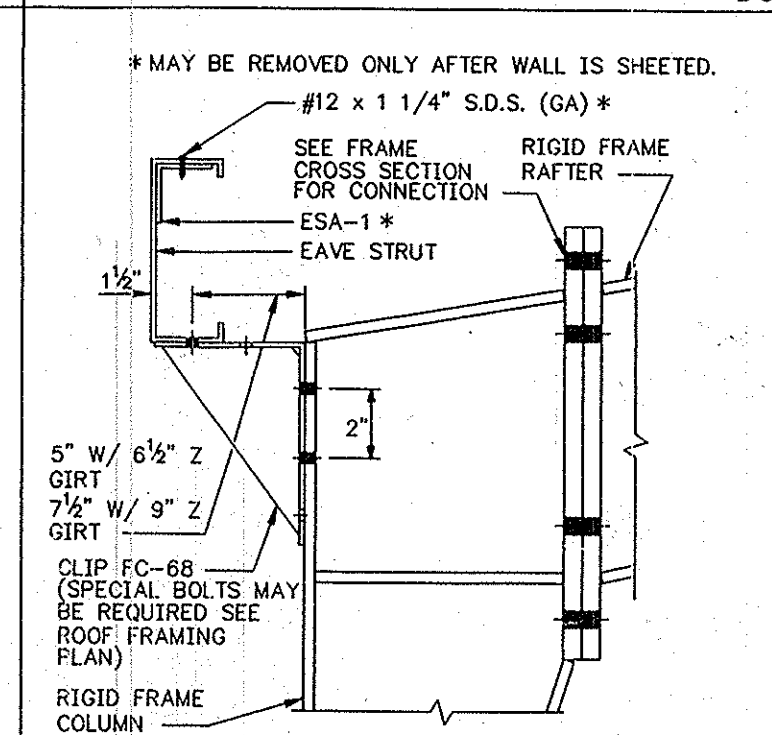
G1 PURLIN OVERLAP



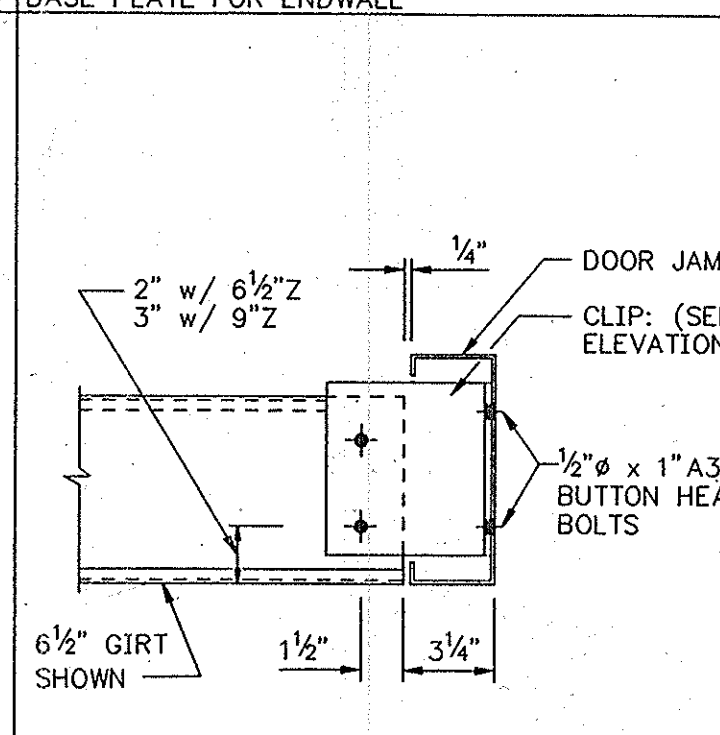
G1 GIRT OVERLAP



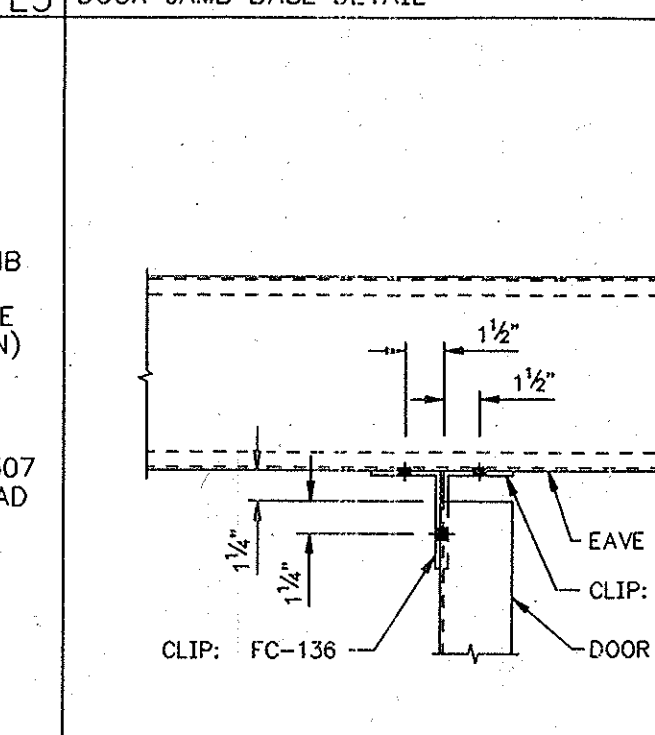
H1 ENDWALL COLUMN TO ENDWALL RAFTER @ CORNER



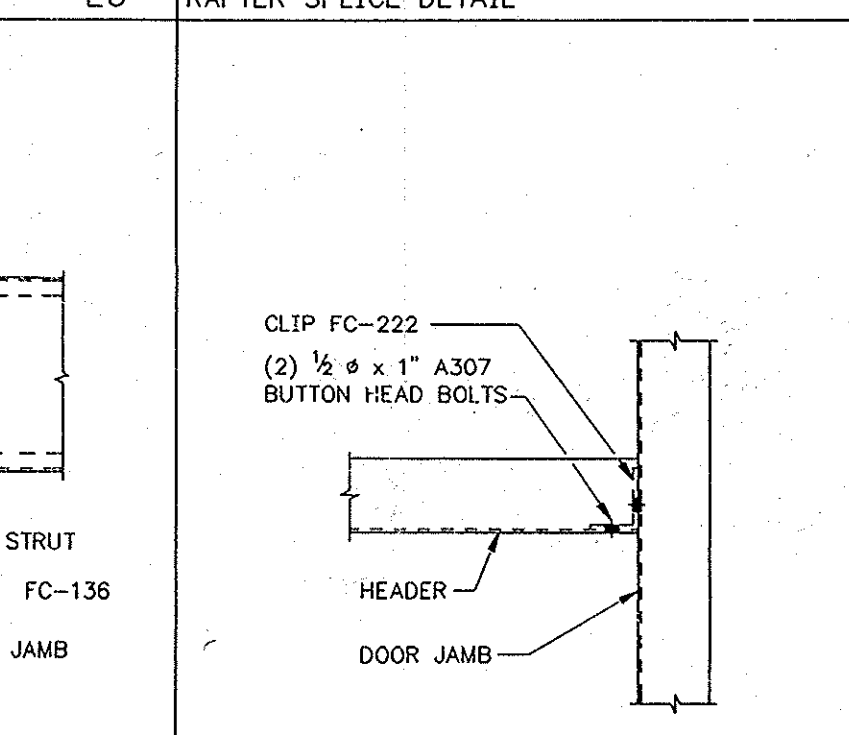
I8 EAVE STRUT TO RIGID FRAME



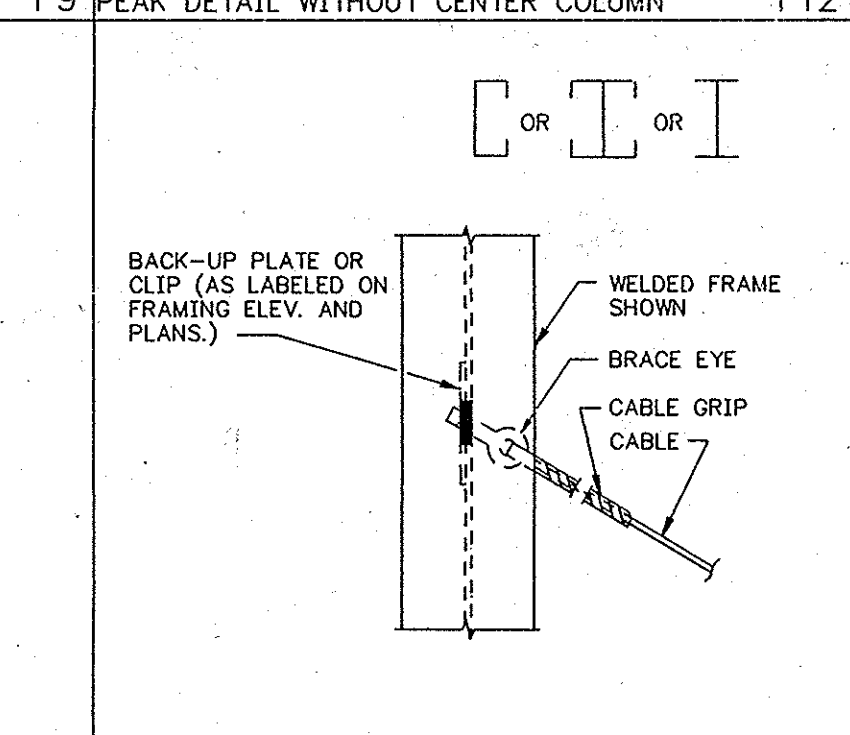
J4 GIRT TO DOOR JAMB



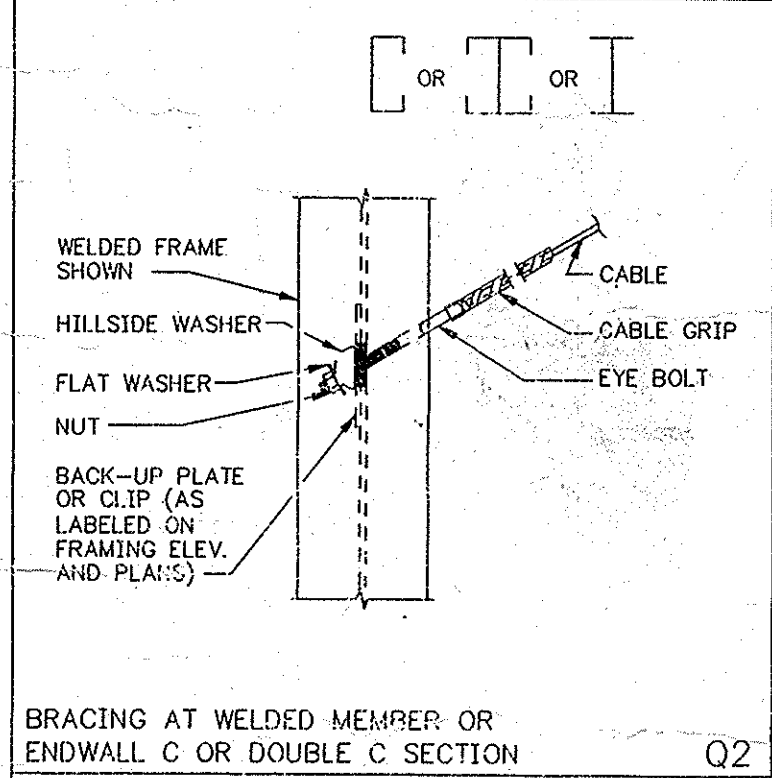
K2 DOOR JAMB TO EAVE STRUT



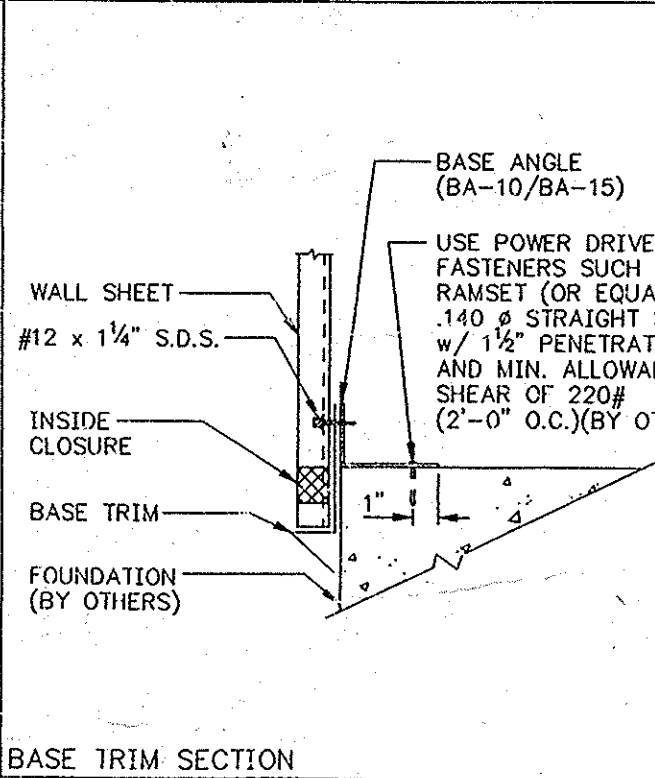
L5 DOOR HEADER TO DOOR JAMB



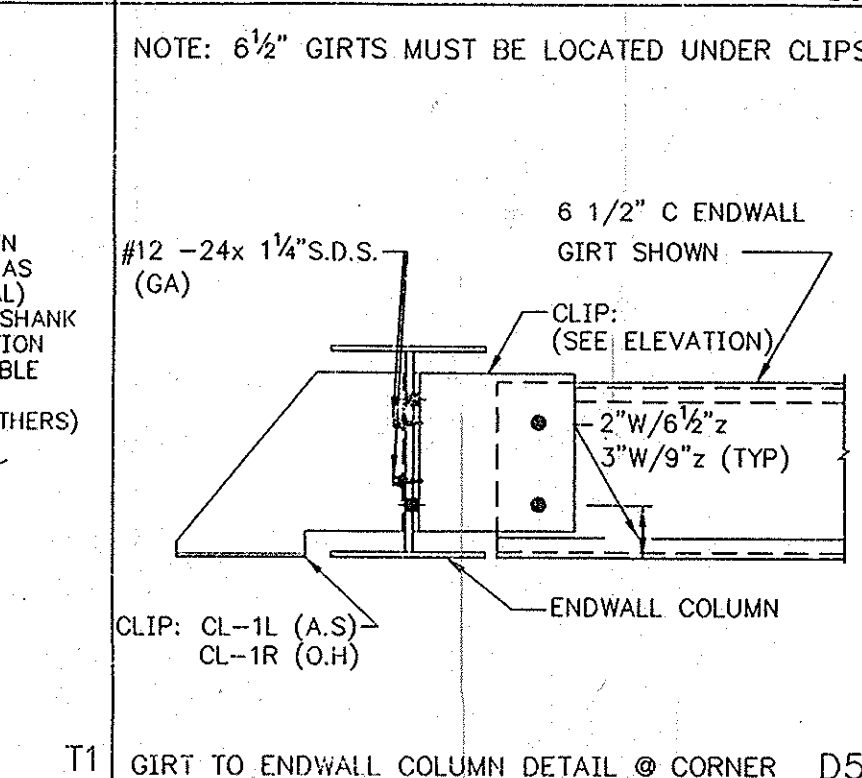
M1 BRACING AT WELDED MEMBER OR ENDWALL C-OR DOUBLE C SECTION



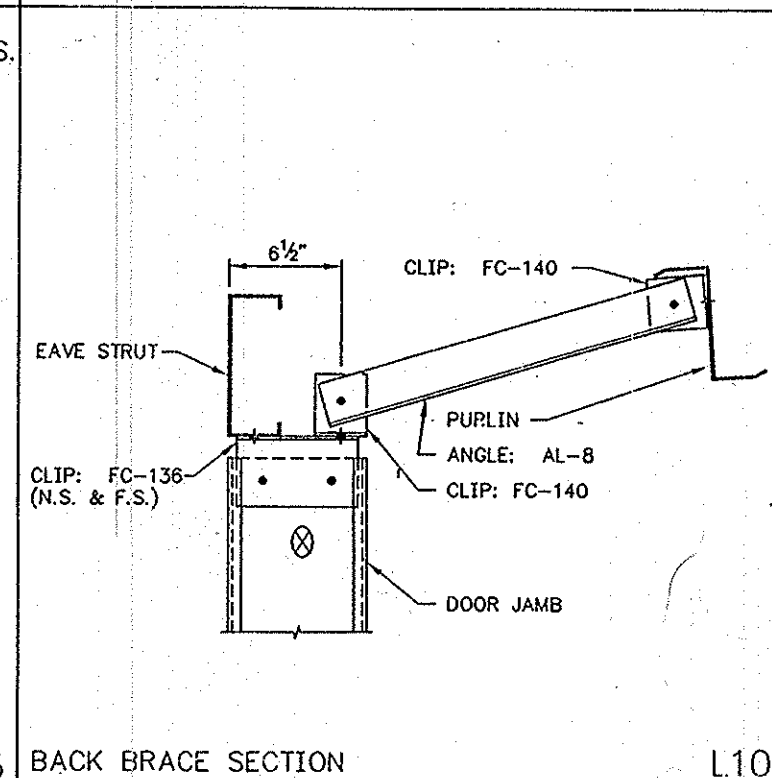
Q2 BRACING AT WELDED MEMBER OR ENDWALL C-OR DOUBLE C SECTION



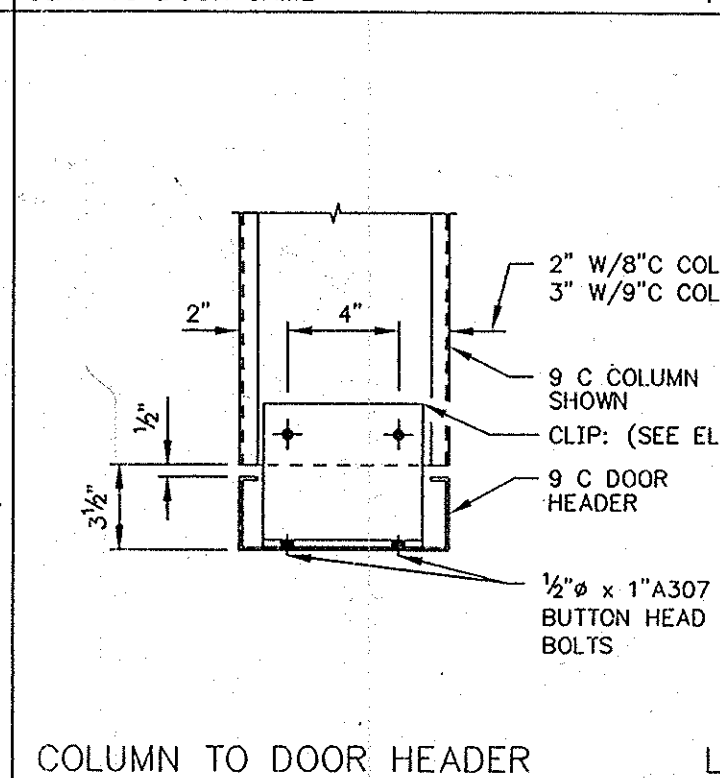
Q2 BASE TRIM SECTION



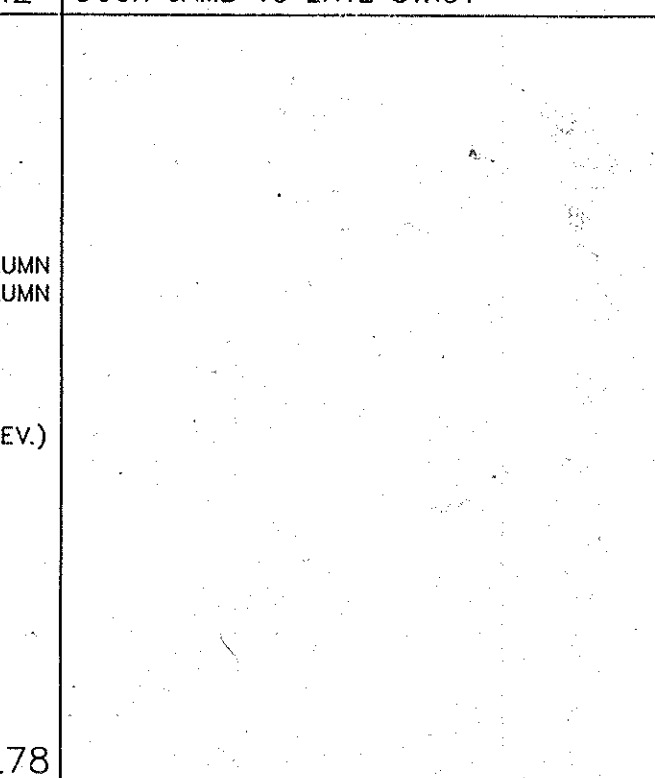
T1 GIRT TO ENDWALL COLUMN DETAIL @ CORNER



D5 BACK BRACE SECTION



L10 COLUMN TO DOOR HEADER



L78

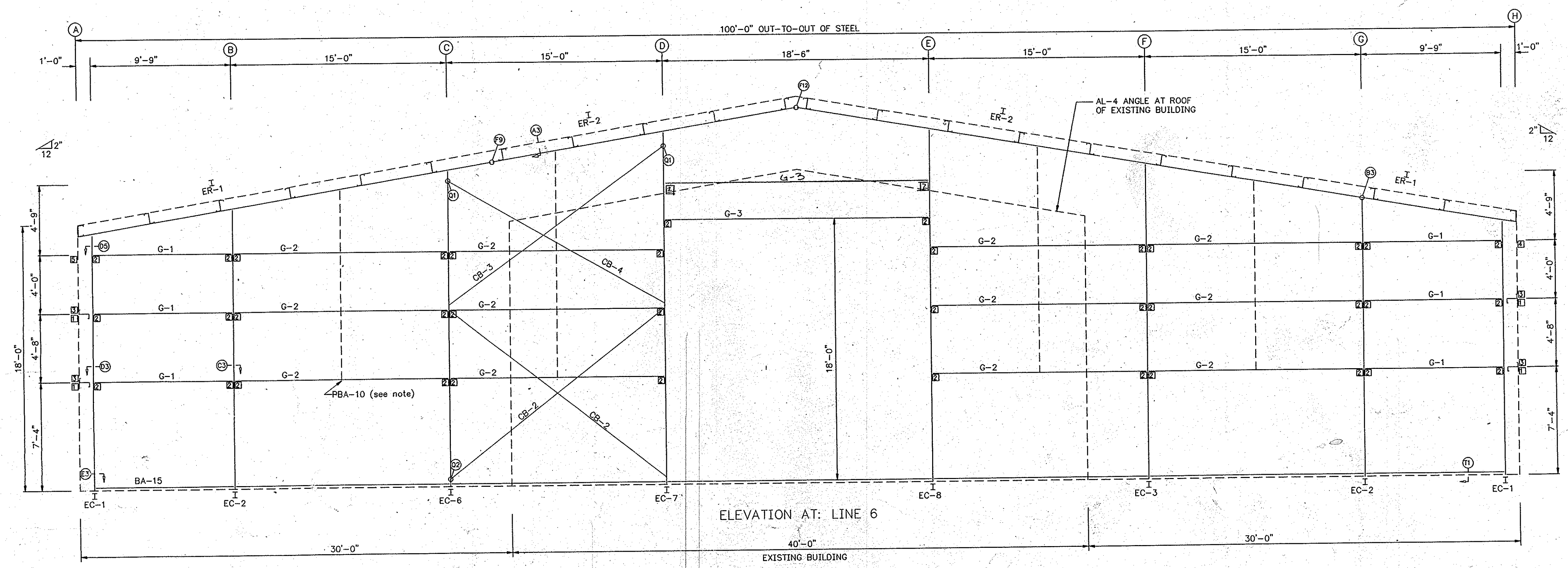


| CONNECTION PLATES<br>FOR ROOF. |           |
|--------------------------------|-----------|
| □ ID                           | MARK/PART |
| 1                              | FC-140    |
| 2                              | AL-8      |

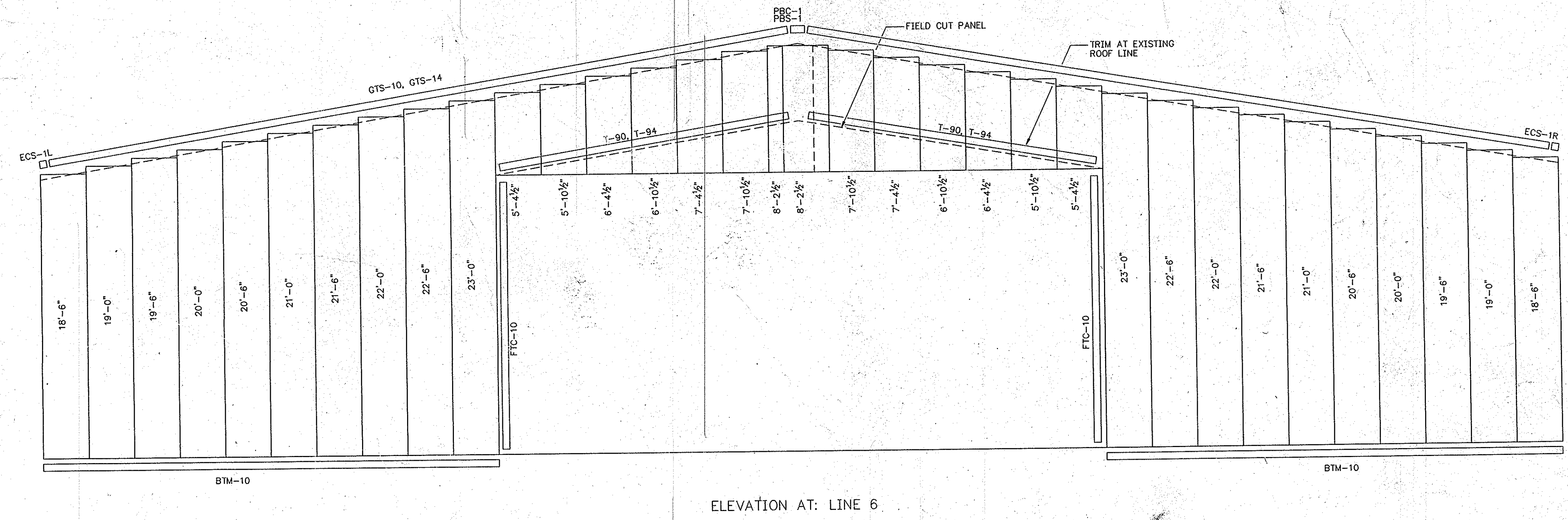


**ROOF PBA-10 NOTES:**  
If shown on drawings PBA-10 is located as shown. One row is at midpoint of bay, two rows are at 1/3 points of bay, three rows are at 1/4 points of bay. If bay width is between 12'-0" and 19'-0" then PBA-10 runs between the eave strut and first purlin only.

SHEET NO. E5 OF 6



NOTE: GIRTS TO BE FIELD SLOTTED FOR CROSS BRACING AS REQUIRED.



| MARK | PART       | LENGTH        |
|------|------------|---------------|
| EC-1 | W08532     | 16'-9 3/16"   |
| EC-2 | W08532     | 18'-4 11/16"  |
| EC-3 | W08532     | 20'-10 11/16" |
| EC-6 | W08532     | 20'-10 11/16" |
| EC-7 | W10532     | 23'-4 11/16"  |
| EC-8 | W10532     | 23'-4 11/16"  |
| ER-1 | W08532     | 29'-2 3/4"    |
| ER-2 | W08532     | 21'-5 1/2"    |
| G-1  | 6.5Z16     | 9'-2 1/2"     |
| G-2  | 6.5Z16     | 14'-5 1/2"    |
| G-3  | 6.5Z14     | 17'-11 1/2"   |
| CB-2 | 5/16" Dia. | 17'-2"        |
| CB-3 | 5/16" Dia. | 16'-10"       |
| CB-4 | 5/16" Dia. | 15'-6"        |

| CONNECTION PLATES |             |
|-------------------|-------------|
| FRAME             | LINE: 6     |
| ID                | MARK / PART |
| 1                 | FC-176      |
| 2                 | FC-4        |
| 3                 | FC-113      |
| 4                 | CL-1R       |
| 5                 | CL-1L       |

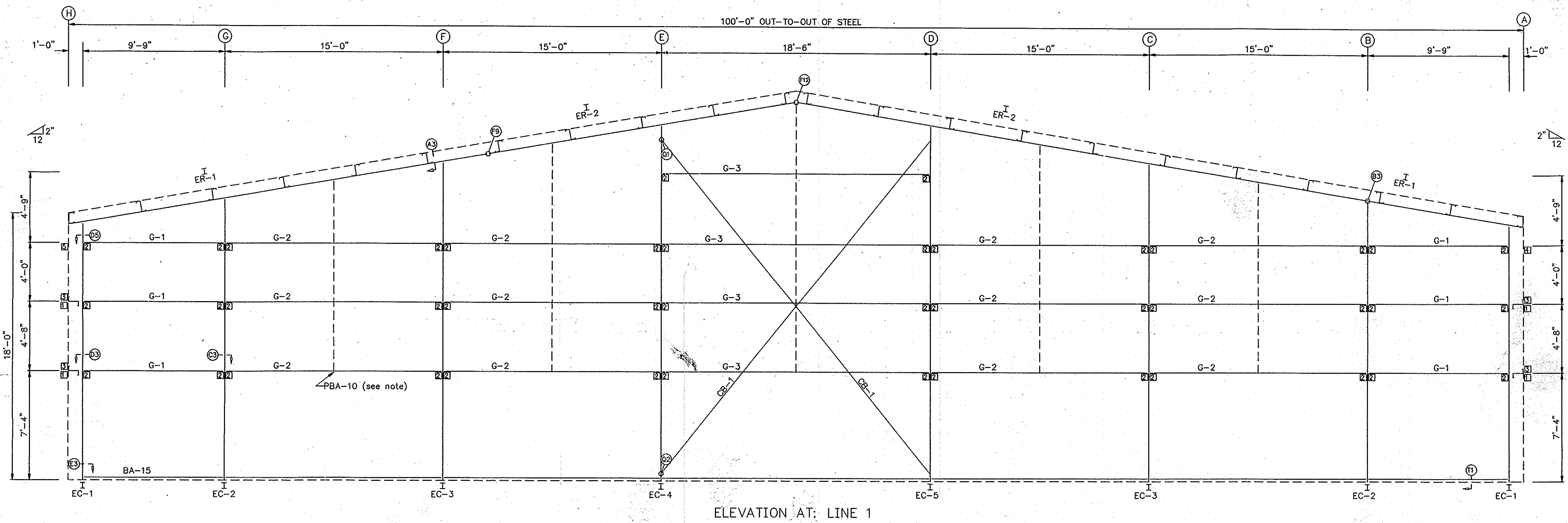
**GENERAL NOTES:**  
 At framed openings and greater than 1:12 roof pitch the sheathing is field cut as required.  
 PBA-10 NOTE: (if shown on drawings) PBA-10 is located as shown, one row is at midpoint of bay, two rows are at 1/3 points of bay, three rows are at 1/4 points of bay.

**WEDGECOR INC.**

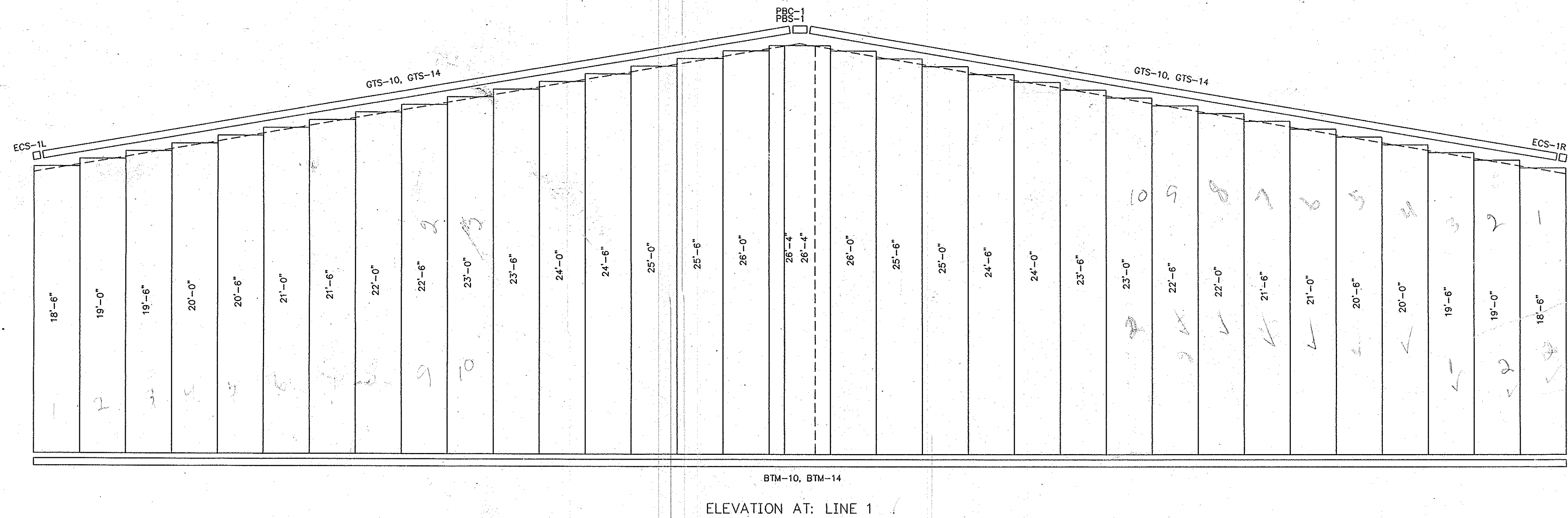
Buyer : GBO ENTERPRISES LLC      DRAWN BY: SMH  
 Cust : DAN STETSON      7/20/01  
 Descr : 100.0 x 125.0 x 18.0 2.0:12      CHECK BY: SES  
 Site : SEVIERVILLE, TN      8/30/01  
 Scale : NONE      ENG. BY:  
 P.O. : W25834      SHEET NO. E4 OF 6

| MEMBER TABLE |            |               |
|--------------|------------|---------------|
| LINE 1       | MARK       | LENGTH        |
| EC-1         | W08532     | 18'-9 3/16"   |
| EC-2         | W08532     | 18'-4 11/16"  |
| EC-3         | W08532     | 20'-10 11/16" |
| EC-4         | W10532     | 23'-4 11/16"  |
| EC-5         | W10532     | 23'-4 11/16"  |
| ER-1         | W08532     | 23'-2 3/4"    |
| ER-2         | W08532     | 21'-5 1/2"    |
| G-1          | 6.5Z16     | 9'-2 1/2"     |
| G-2          | 6.5Z16     | 14'-5 1/2"    |
| G-3          | 6.5Z14     | 17'-11 1/2"   |
| CB-1         | 5/16" Dia. | 27'-7"        |

| CONNECTION PLATES |      |           |
|-------------------|------|-----------|
| FRAME             | LINE | MARK/PART |
| 1                 | 1    | FC-176    |
| 2                 | 2    | FC-4      |
| 3                 | 3    | FC-113    |
| 4                 | 4    | CL-1R     |
| 5                 | 5    | CL-1L     |



NOTE: GIRTS TO BE FIELD SLOTTED FOR CROSS BRACING AS REQUIRED.

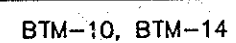
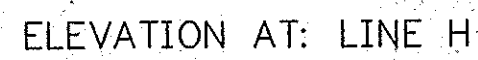


**GENERAL NOTES:**  
At framed openings and greater than 1:12 roof pitch the sheeting is field cut as required.  
PBA-10 NOTE: (if shown on drawings) PBA-10 is located as shown, one row is at midpoint of bay, two rows are at 1/3 points of bay, three rows are at 1/4 points of bay.

|                              |               |                   |         |
|------------------------------|---------------|-------------------|---------|
| WEDGECOR INC.                |               |                   |         |
| Buyer : GBO ENTERPRISES LLC  | Drawn BY: SMH |                   |         |
| Cust : DAN STETSON           | 7/20/01       |                   |         |
| Desor : 100.0 x 125.0 x 18.0 | 2.0:12        | CHECK BY: SES     | 8/30/01 |
| Site : SEVIERVILLE, TN       |               |                   |         |
| Scale : NONE                 |               | ENG. BY:          |         |
| P.O. : W25834                |               | SHEET NO. E3 OF 6 |         |

| CONNECTION PLATES<br>FRAME LINE H |           |
|-----------------------------------|-----------|
| ID                                | MARK/PART |
| 1                                 | FC-70     |
| 2                                 | FC-68     |
| 3                                 | ESA-1     |
| 4                                 | FC-219    |
| 5                                 | FC-136    |
| 6                                 | FC-5      |
| 7                                 | FC-6      |
| 8                                 | FC-222    |
| 9                                 | FC-4      |

| PRIM TABLE |         |        |
|------------|---------|--------|
| LINE H     |         |        |
| D          | PART    | LENGTH |
|            | JTM-109 | 10'-4" |
|            | HT-109  | 10'-4" |
|            | FTC-10  | 10'-4" |
|            | FTC-14  | 14'-4" |



ELEVATION AT: LINE H

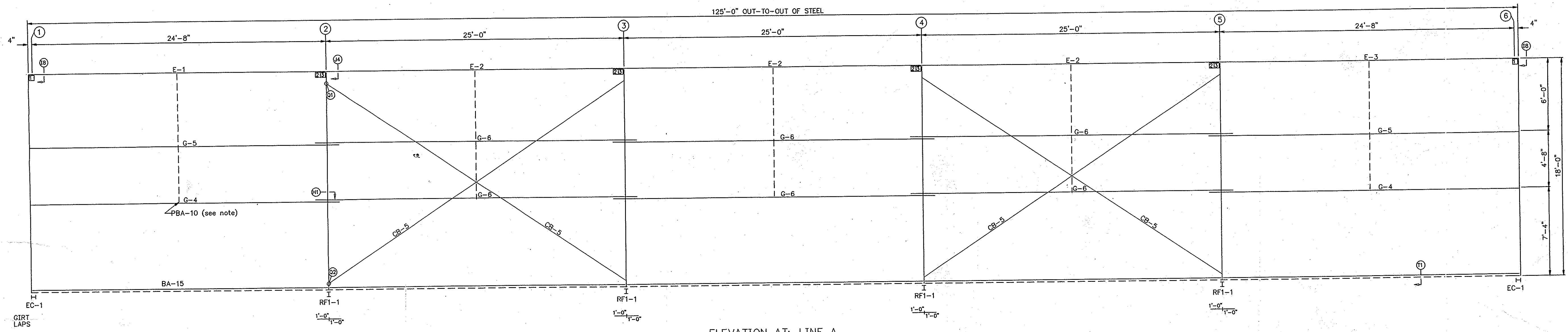
At framed openings the sheeting is field cut as required.

PBA-10 NOTE: (if shown on drawings)  
PBA-10 is located as shown, one row is at midpoint of bay, two rows are at 1/3 points of bay, three rows are at 1/4 points of bay.

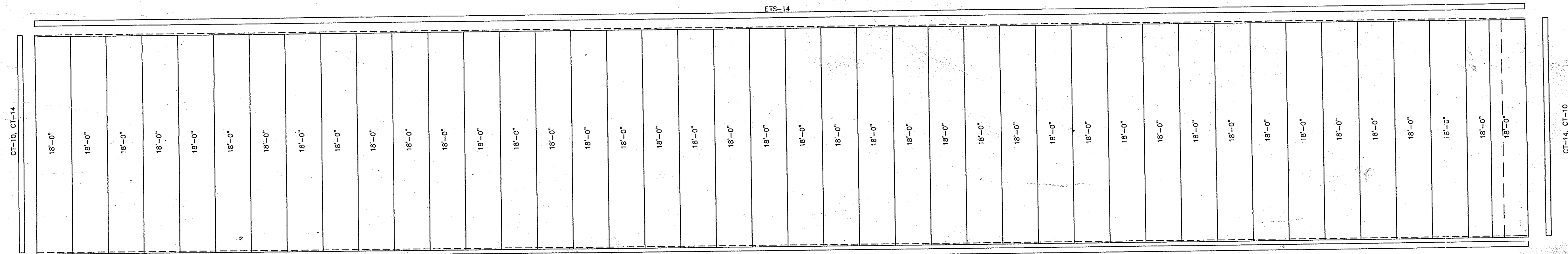
|                                     |                   |
|-------------------------------------|-------------------|
| Buyer : GBO ENTERPRISES LLC         | DRAWN BY: SMH     |
| Cust : DAN STETSON                  | 7/20/01           |
| Descr : 100.0 x 125.0 x 18.0 2.0:12 | CHECK BY: SES     |
| Site : SEVIERVILLE, TN              | 8/30/01           |
| Scale : NONE                        | ENG. BY:          |
| P.O. : W25834                       | SHEET NO. E2 OF 6 |

| MARK | PART       | LENGTH |
|------|------------|--------|
| E-1  | 8C14       | 24'-8" |
| E-2  | 8C14       | 24'-8" |
| E-3  | 8C14       | 24'-8" |
| G-4  | 9Z16       | 25'-0" |
| G-5  | 9Z16       | 25'-0" |
| G-6  | 9Z16       | 25'-0" |
| CB-5 | 5/16" Dia. | 28'-3" |

| CONNECTION PLATES |           |
|-------------------|-----------|
| FRAME             | LINE A    |
| ID                | MARK/PART |
| 1                 | FC-70     |
| 2                 | FC-68     |
| 3                 | ESA-1     |



ELEVATION AT: LINE A



ELEVATION AT: LINE A

GENERAL NOTES:  
At framed openings the sheeting is field cut as required.  
PBA-10 NOTE: (If shown on drawings) PBA-10 is located as shown, one row is at midpoint of bay, two rows are at 1/3 points of bay, three rows are at 1/4 points of bay.

| LEGEND             |                      |                    |                     |                   |  |  |  |  |  |
|--------------------|----------------------|--------------------|---------------------|-------------------|--|--|--|--|--|
| RF- RIGID FRAME    | CL- SPECIAL CLIP     | F.S. FAR SIDE      | P- PURLIN           | TYP. TYPICAL      |  |  |  |  |  |
| EC- ENDWALL COLUMN | FTC- FRAMING CLOSURE | N.S. NEAR SIDE     | E- EAVE STRUT       | U.N. UNLESS NOTED |  |  |  |  |  |
| ER- ENDWALL RAFTER | T- TRIM              | O.C. ON CENTER     | FC- FRAMING CLIP    | CB- CROSS BRACE   |  |  |  |  |  |
| DJ- DOOR JAMB      | TR- SPECIAL TRIM     | S STEEL LINE       | FB- FLANGE BRACE    |                   |  |  |  |  |  |
| DH- DOOR HEADER    | AL- ANGLE            | A.S. AS SHOWN      | Q CENTER LINE       |                   |  |  |  |  |  |
| G- GIRT            | A- SPECIAL ANGLE     | O.H. OPPOSITE HAND | N.A. NOT APPLICABLE |                   |  |  |  |  |  |

WEDGECOR INC.

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Cust : DAN STETSON  
Descr : 100.0 x 125.0 x 18.0 2.0:12  
Site : SEVIERVILLE, TN  
P.O. : W25834

DRAWN BY: SMH

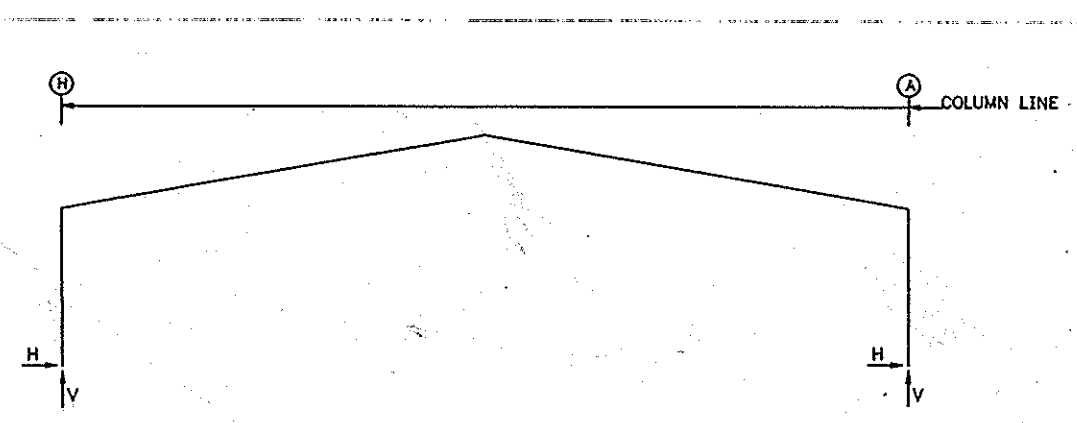
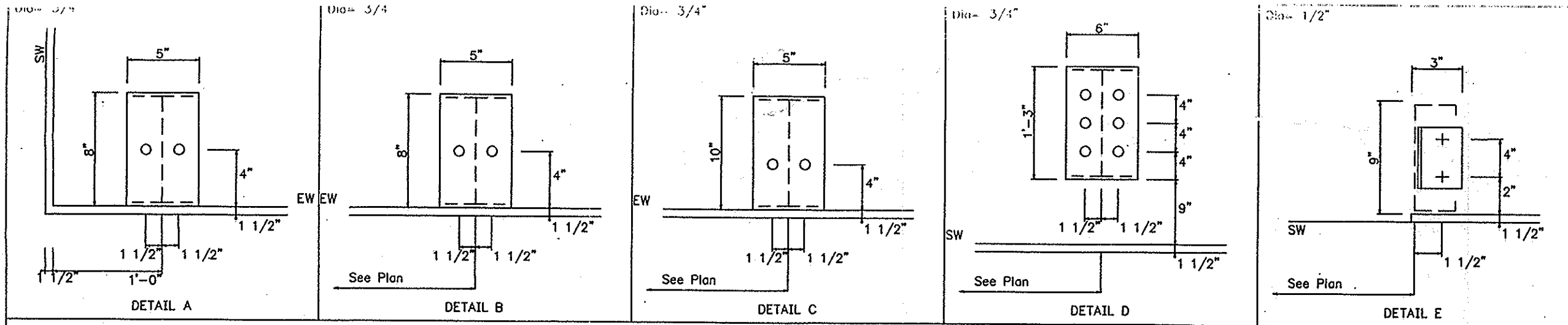
7/20/01

CHECK BY: SES

8/30/01

ENG. BY:

SHEET NO. E1 OF 6



**RIGID FRAME: MAXIMUM REACTIONS**

| Frame Line      | Col Line | Load Id | Hmax  | Vmax | Reactions (k) | Reactions (k) |
|-----------------|----------|---------|-------|------|---------------|---------------|
|                 |          |         |       |      | H             | V             |
| 2 + H           | 1        | 25.3    | 29.8  | 2    | -13.6         | -15.4         |
| 2 + A           | 3        | 13.6    | -15.4 | 1    | -25.3         | 29.8          |
| 2 + Frame lines | 2        | 3       | 4     | 5    |               |               |

**ENDWALL COLUMN: MAXIMUM REACTIONS**

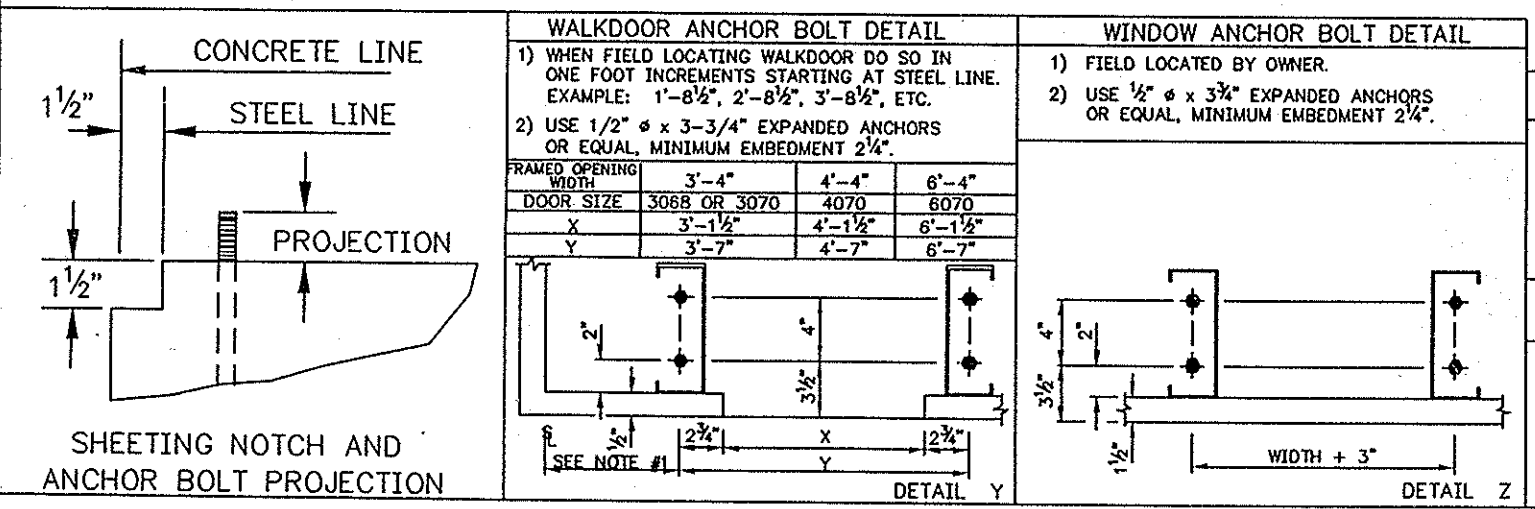
| Frame Line | Col Line | Load Id | Hmax | Vmax | Reactions (k) | Reactions (k) |
|------------|----------|---------|------|------|---------------|---------------|
|            |          |         |      |      | H             | V             |
| 1 H        | 4        | 0.0     | 0.3  | 5    | 0.0           | -1.2          |
| 1 G        | 1        | 0.0     | 1.5  | 5    | -2.0          | -1.5          |
| 1 F        | 6        | 2.1     | -1.8 | 7    | -2.7          | -1.6          |
| 1 E        | 1        | 0.0     | 4.3  | 5    | 2.1           | -3.7          |
| 1 D        | 6        | 2.8     | -1.9 | 7    | -2.7          | -1.6          |
| 1 C        | 1        | 0.0     | 4.4  | 5    | 2.8           | -4.0          |
| 1 B        | 6        | 3.5     | -2.3 | 7    | -3.4          | -1.6          |
| 1 A        | 1        | 0.0     | 5.4  | 5    | 3.5           | -3.9          |
| 6 H        | 4        | 0.0     | 0.3  | 6    | 0.0           | -1.2          |
| 6 G        | 1        | 0.0     | 1.5  | 6    | -2.0          | -1.5          |
| 6 F        | 6        | 2.1     | -1.8 | 7    | -2.7          | -1.6          |
| 6 E        | 1        | 0.0     | 4.3  | 5    | 2.1           | -3.7          |
| 6 D        | 6        | 2.8     | -1.9 | 7    | -2.7          | -1.6          |
| 6 C        | 1        | 0.0     | 4.4  | 5    | 2.8           | -4.0          |
| 6 B        | 6        | 3.5     | -2.3 | 7    | -3.4          | -1.6          |
| 6 A        | 1        | 0.0     | 5.4  | 5    | 3.5           | -3.9          |
| 6 H        | 4        | 0.0     | 0.3  | 6    | 0.0           | -1.2          |
| 6 G        | 1        | 0.0     | 1.5  | 6    | -2.0          | -1.5          |
| 6 F        | 6        | 2.1     | -1.8 | 7    | -2.7          | -1.6          |
| 6 E        | 1        | 0.0     | 4.3  | 5    | 2.1           | -3.7          |
| 6 D        | 6        | 2.8     | -1.9 | 7    | -2.7          | -1.6          |
| 6 C        | 1        | 0.0     | 4.4  | 5    | 2.8           | -4.0          |
| 6 B        | 6        | 3.5     | -2.3 | 7    | -3.4          | -1.6          |
| 6 A        | 1        | 0.0     | 5.4  | 5    | 3.5           | -3.9          |

**BRACING REACTIONS, PANEL SHEAR**

| Loc | Id  | Col | Bracing (k) | Panel Shear (k) |
|-----|-----|-----|-------------|-----------------|
|     |     |     | Horz        | Vert            |
| 1 E | 1.3 | 1.5 | 0.4         | 0.5             |
| A   | 2.3 | 4.8 | 0.8         | 0.5             |
| 6 D | 1.3 | 1.5 | 0.4         | 0.5             |
| H   | 4.5 | 4.8 | 0.8         | 0.5             |
| 2.3 | 4.8 | 2.9 | 0.8         | 0.5             |

**NOTES FOR REACTIONS**

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced box. The vertical reaction is downward.
- Building reactions are based on the following building data:
  - Width (ft) = 180.0
  - Length (ft) = 125.0
  - Roof Height (ft) = 18.0/12.0
  - Roof Slope (ft/12) = 2.0/2.0
  - Dead Load (psf) = 20.0
  - Collateral Load (psf) = 20.0
  - Live Load (psf) = 20.0
  - Snow Load (psf) = 80.0
  - Wind Speed (mph) = 80.0
  - Wind Code = SBC 97
  - Exposure = C
  - Importance - Wind = 1.00
  - Importance - Seismic = 1.00
  - Seismic Coeff = 0.10
- Loading conditions are:
  - 1 DL+CO+LL
  - 2 DL+WE1
  - 3 DL+WE1
  - 4 DL+CO
  - 5 DL+WE1+WS
  - 6 DL+WE1+WS
  - 7 DL+WE1



**NOTE**

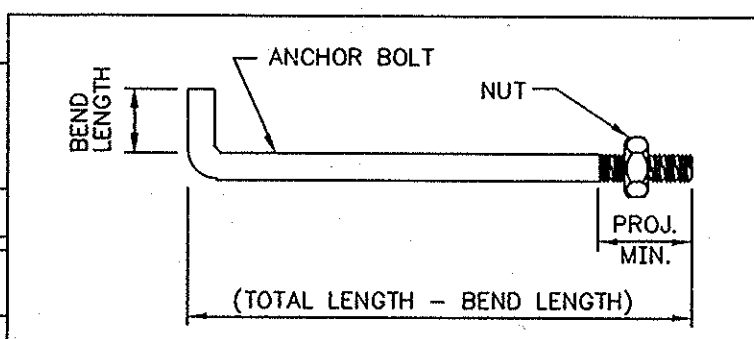
SOME DETAILS THAT ARE SHOWN MAY NOT APPLY TO YOUR BUILDING. REFER TO YOUR VERIFICATION FOR OPTIONS THAT ARE INCLUDED.

VERIFY LENGTH AND WIDTH DIMENSIONS

CHECK YOUR ANCHOR BOLT SETTING PLAN TO MAKE CERTAIN THAT ALL THE DIMENSIONS SHOWN AGREE WITH THOSE LISTED IN YOUR CONTRACT.

**FRAMED OPENING ANCHOR BOLT SCHEDULE**

| DETAIL                                                                 | DIA. | LENGTH | BOLT DESCRIPTION                |
|------------------------------------------------------------------------|------|--------|---------------------------------|
| 4 EXPANDED ANCHORS REQUIRED PER WALKDOOR, WINDOW, AND FRAMED OPENINGS. |      |        |                                 |
| Y                                                                      | 4    | 1/2"   | 3 3/4" EXPANDED ANCHOR OR EQUAL |



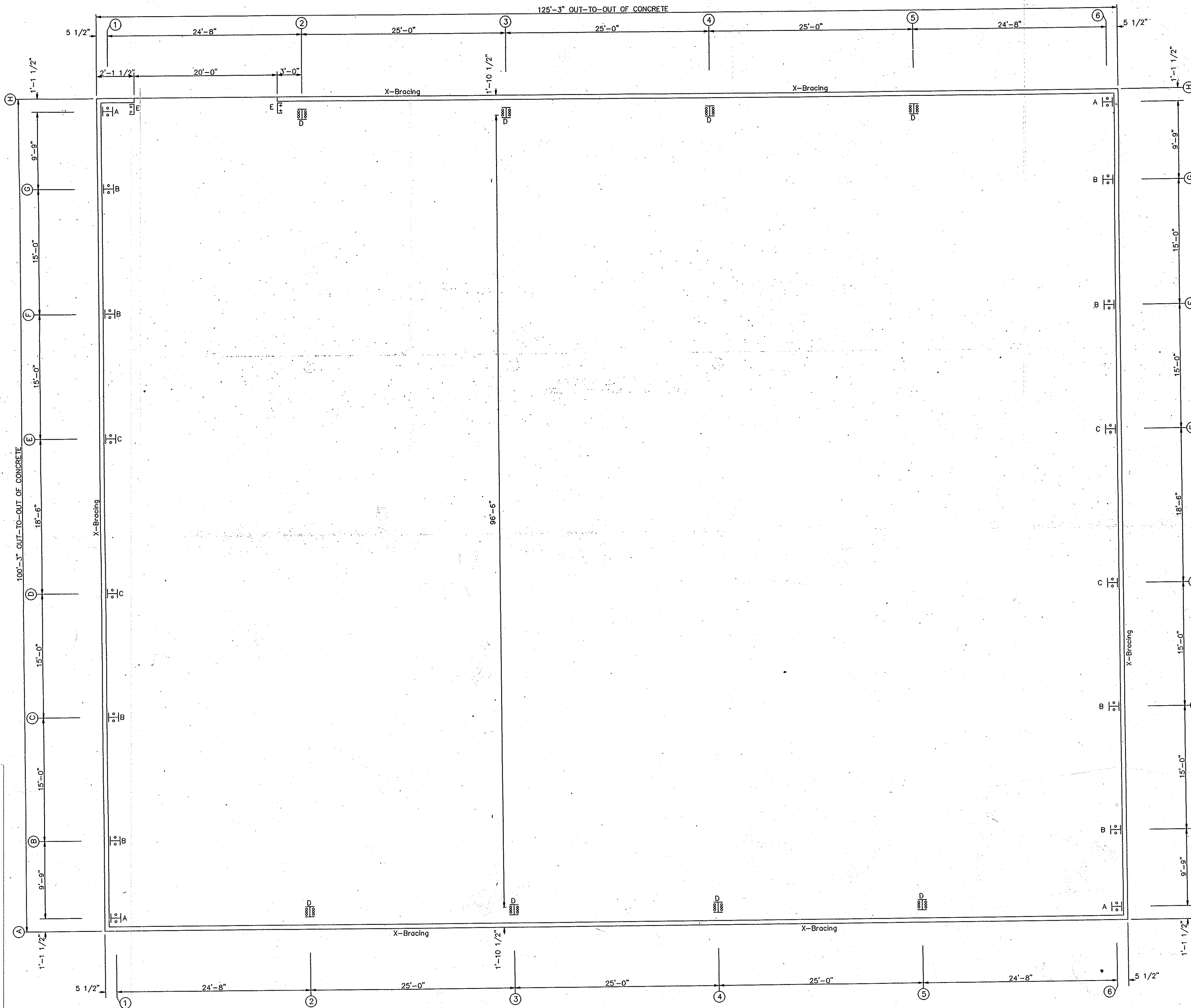
**ANCHOR BOLT SUMMARY**

| Qty  | Loc | Dia (in) | Total Len (in) | Bend Len (in) | Proj (in) |
|------|-----|----------|----------------|---------------|-----------|
| 4    | DJ  | 1/2"     | 11.50          | 1.50          | 1.50      |
| 0 32 | EW  | 3/4"     | 17.50          | 2.50          | 2.00      |
| 0 46 | RF  | 3/4"     | 17.50          | 2.50          | 2.00      |

**WEDGECOR INC.**

Buyer : GBO ENTERPRISES LLC  
 Drawn By : SMH  
 Date : 7/20/12  
 Descr : 100.0 x 125.0 x 18.0 2.0:12  
 Site : SEVIERVILLE, TN  
 Scale : NONE  
 P.O. : W25834

○ Dia= 5/4"  
+ Dia= 1/2"



GENERAL NOTES

1. ALL COLUMNS SHOWN ON ANCHOR BOLT PLAN CAN NOT BE MOVED. REFER TO FRAMED OPENING DETAILS FOR LOCATING ANY FRAMED OPENINGS NOT SHOWN.
2. ANCHOR BOLTS AND ANY OTHER ITEMS EMBEDDED IN CONCRETE, INCLUDING ALL MASONRY FASTENERS AND ANCHORS, ARE NOT BY BUILDING MANUFACTURER.
3. FOUNDATION DESIGN OR ANY OTHER CONCRETE DESIGN IS NOT BY BUILDING MANUFACTURER. CONSULT A LOCAL ENGINEER FOR THE DESIGN OF FOUNDATION AND CONCRETE WORK.
4. BASE PLATES ARE DESIGNED ASSUMING CONCRETE HAS A MINIMUM STRENGTH OF 2500 PSI AT 28 DAYS.
5. BASE PLATE SIZES ARE 3" X 8" UNLESS NOTED.
6. ALL REACTIONS ARE GIVEN IN KIPS (1000 LBS).

| SHEETING DESCRIPTION             |               |                             |
|----------------------------------|---------------|-----------------------------|
| ROOF SHEETING                    | 26 GA. HI-RIB | COLOR: GA = GALVALUME       |
| WALL SHEETING                    | 26 GA. HI-RIB | COLOR: BS = BURNISHED SLATE |
| TRIM COLOR: BS = BURNISHED SLATE |               |                             |

WEDGECOR INC.

Buyer : OBO ENTERPRISES LLC  
Cust : DAN STETSON  
Descr : 100.0 x 125.0 x 18.0  
Site : SEVIERVILLE, TN  
Scale : NONE  
P.O. : W25834

DRAWN BY: SMH  
7/20/01  
CHECK BY: MP  
7-23-01  
ENG. BY:  
SHEET NO.:

## PROPER POWER-SAW CUTTING OF COLOR-COATED STEEL SHEETING

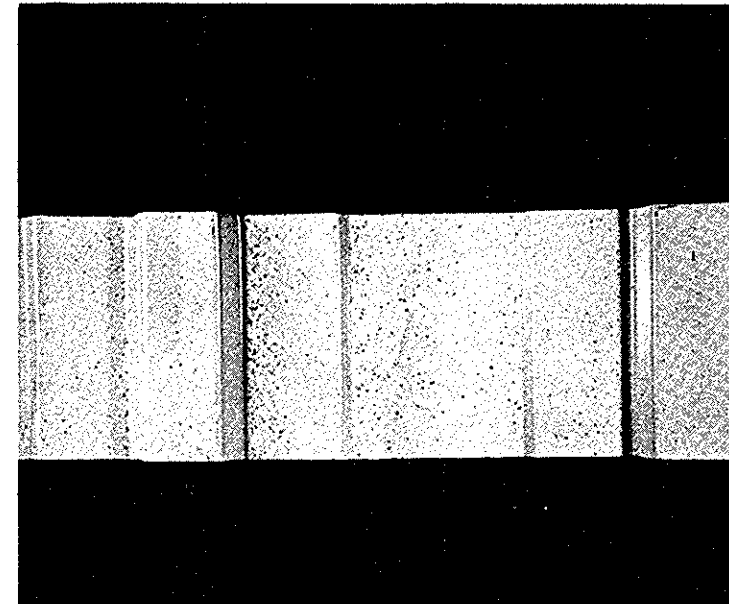
As recommended in our general building manual, steel color coated sheeting may be cut with a power saw...

....IF it is done away from other panels unused or already installed.

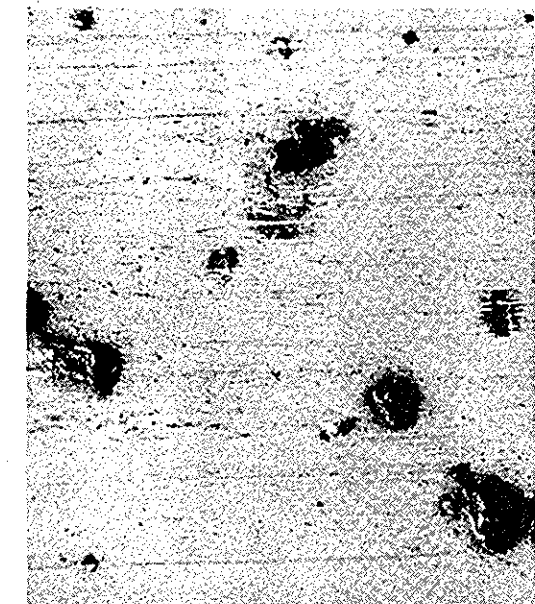
....IF the interior (bottom) surface of the panel is placed UP and is covered with a tarpaulin (this protects the exterior (top) surface from hot filings and minimizes the chance of damage.)

....IF these filings are wiped off both surfaces before installation.

If these cutting precautions are not taken, rust spots are likely to develop. Following are the results of an examination conducted by National Steel Corporation Research Center which proves that rust spots on the painted surface of color-coated panels were caused by hot metal particles generated by an abrasive saw striking this surface...adhering to it...and subsequently rusting.



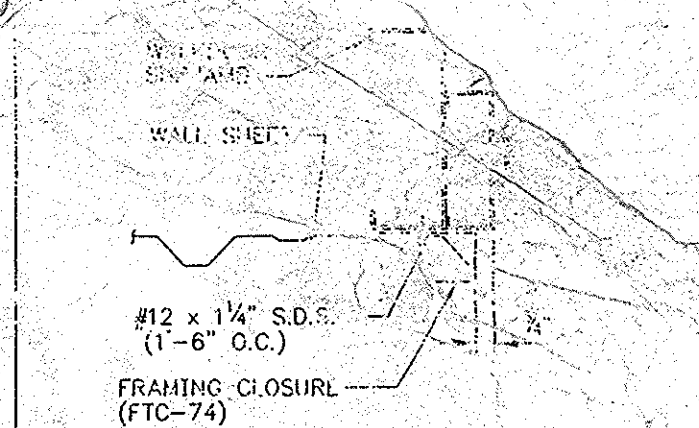
**Figure 1.** Sample of color-coated panel showing rust spots on surface.



**Figure 2.** 15X magnification photomicrograph of a cluster of rust spots showing particles adhering to painted surface and rust stains surrounding them.

**NOTE:** The above information also applies to filings generated when drilling holes for fastening by drill screws. The exact same precautions that apply to power saw cutting should be taken to prevent rust spots when drilling.

# FOR CONSTRUCTION



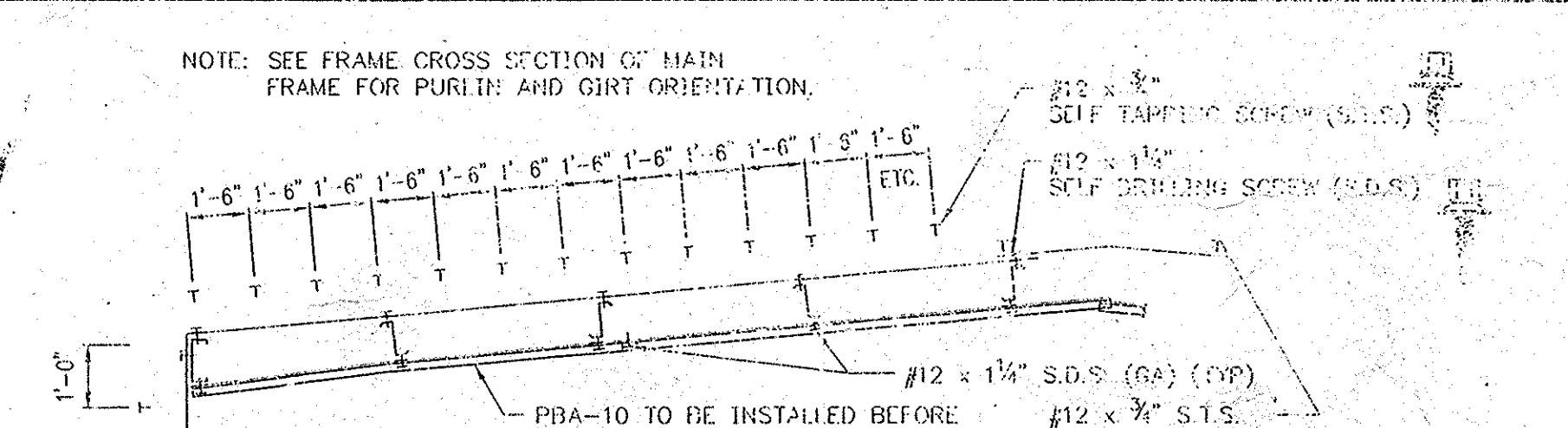
WALKDOOR SUB-JAMB TRIM



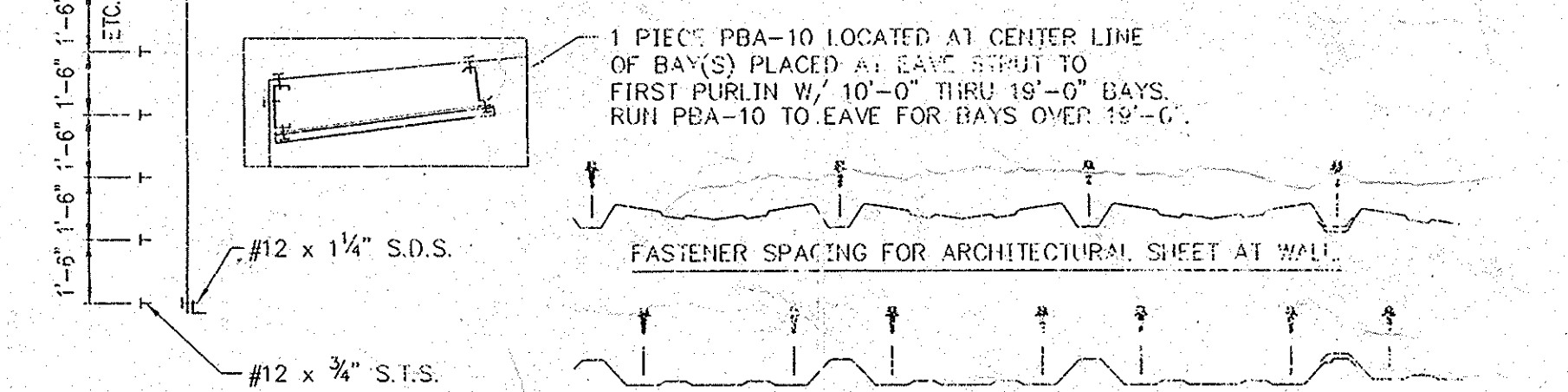
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APPLYING ROOF SHEETING. SEE ROOF (AT EACH 11'-STD AT EIDGE CAPS)  
FRAMING PLAN FOR LOCATION.



ROOF PRIMARY FASTENER SPACING AT SHEET ENDS, LAPS,  
RIDGE CAP. & LEAVE STRUT

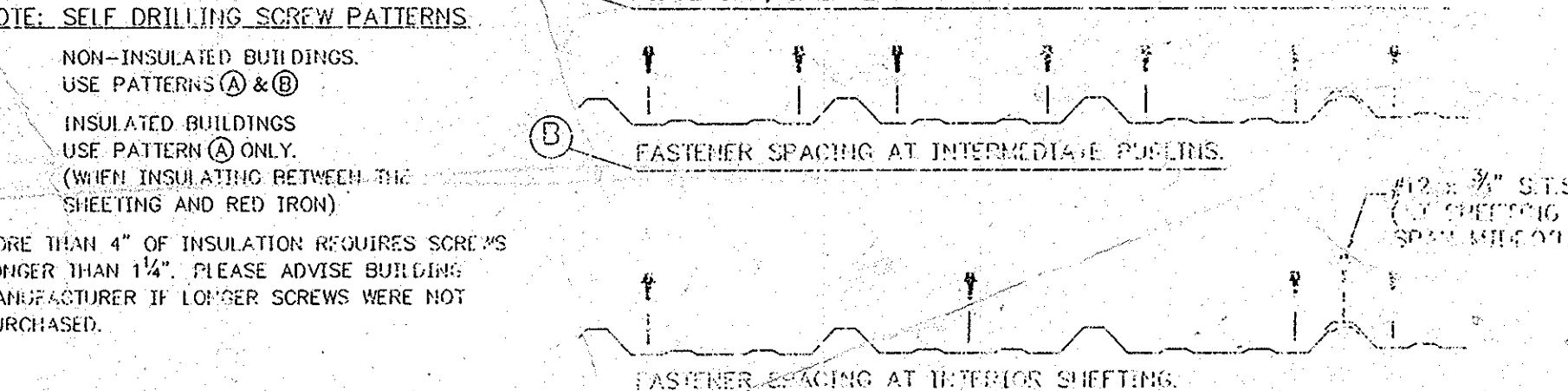


Figure 1. Percentage of the population aged 65 and over in various countries, 1950-2050. The graph shows that Japan and Germany have the highest percentages of the population aged 65 and over, while Mexico and India have the lowest. The percentage of the population aged 65 and over is projected to increase significantly for all countries by 2050.

