



## BUILDING SPECIFICATIONS

The manufacturer is not responsible for the concrete foundation design. The structure under this contract has been designed and detailed for the loads and conditions stipulated in the contract and shown on these drawings. Any alterations to the structural system or removal of any component parts, or the addition of other construction materials or loads must be done under the advice and direction of a registered architect, civil or structural engineer. The manufacturer will assume no responsibility for any loads not indicated.

This manufactured building is designed with the manufacturer's standard design practices which are based on pertinent procedures and recommendations of the following organizations and codes:

—American Institute of Steel Construction "Specification for the design fabrication and erection of structural steel for buildings".  
—American Iron and Steel Institute "Specification for the design of cold formed steel structural members" 2007 edition.

—Metal Building Manufacturers Association "Specification for the design fabrication and erection of the structural system" most current edition.

Material properties of steel plate and sheet used in fabrication of primary rigid frames and all primary structural framing members (other than cold-formed sections) conform to ASTM A-529 or A-572 all with a minimum yield point of 55 KSI.

Material properties of cold formed light gage steel members conform to the requirements of ASTM A-653, with a minimum yield point of 55 KSI.

High strength bolts and their installation shall conform to ASTM specification A-325 and are designed as bearing type connections with threads included in the shear plane. All high strength bolts are to be installed to the "Snug-Tight" condition as defined by the RCSC Specification for Structural Joints Using A325 or A490 Bolts, Latest Edition, section 8.1, unless noted otherwise. Bolts in standard holes do not require washers per section 6.

Shop and field inspections and associated fees are the responsibility of the contractor, unless stipulated otherwise.

## CONTRACTOR RESPONSIBILITIES

The contractor must secure all required approvals and permits from the appropriate agency as required.

Approval of the manufacturer's drawings and calculations indicate that the manufacturer has correctly interpreted and applied the requirements of the contract drawings and specifications. (AISC 303-10 Code of Standard Practice)

Where discrepancies exist between the manufacturer's structural steel plans and the plans for other trades, the structural steel plans shall govern. (Section 3.3 AISC 303-10 Code of Standard Practice)

Design considerations of any materials in the structure which are not furnished by the manufacturer, are the responsibility of the contractor and engineers other than the manufacturer's engineering, unless specifically indicated.

The contractor is responsible for all erection of steel and associated work in compliance with the manufacturer's "For Construction" drawings.

Temporary supports, such as guys, braces, flashwork or other elements required for the erection will be determined and furnished and installed by the erector. (Section 7 AISC 303-10 Code of Standard Practice)

It is the contractors responsibility to apply or observe all pertinent safety rules and regulations, as per OSHA standards as applicable.

The Contractor is responsible for the verification of all shipments received. Any "external" damage or shortages must be noted on all copies of the bill of lading and one copy is to be retained for your records. Failure to do so will make it impossible for the factory to honor any claim. NO EXCEPTIONS!!!

# STEEL COMMANDER CORP

## DESIGN LOADING

This structure is designed utilizing the loads indicated and applied by the :  
FBC 2020 (IBC 18)

It is the contractor's responsibility to confirm that these loads comply with the requirements of the local building department.

Specific loads : (See structural calculations and foundation reactions.)

20.00 PSF Live Load

No LL Reduction Allowed

0 PSF Ground Snow Load

1.20 Thermal Factor (Ct)

1 Snow Exposure Factor (Ce)

130 MPH Wind Load Exposure C (If applicable)

2.000 PSF Dead Load (Metal Bldg. Weight - Purlins, Panels, Etc.)

1 PSF Collateral Load (Ceilings, Sprinklers, Etc.)

II - Normal Risk Category Is 1.0000 Ie 1.00

## DRAWING INDEX

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## SEISMIC DATA :

- 1) Mapped Spectral Acceleration for Short Period, Ss 0.08
- 2) Site Coefficient, Fa 1.6000
- 3) Seismic Design Category = B
- 4) Seismic Coefficient = 0.09
- 5) Site Class = D
- 6) Basic Structural System and Seismic Resisting System  
Ordinary Moment Frame of Steel
- 7) Frames: R = 2.5000
- 8) Analysis Procedure = Equivalent Lateral Force

## These Drawings are for :

☒ Construction ☐ Approval \*  
☐ Permit ☐ Anchor Bolts & Reactions

\* Approval orders must be released for fabrication within thirty (30) calendar days after the submittal drawings are issued or they will be subject to any current price increases. Special attention should be given in approving dimensions and/or details. Please verify requested dimensions by indicating 'OK'.

FBC product approval numbers: FL19604 & FL19606

T & Z Consulting Services, LLC  
1428 N Shevlin Court Sewickley, PA 15143  
Florida CA Lic. No. 32543

Digitally signed by Mingqiao Zhu  
Date: 2023.03.06 16:09:32  
+0500'

Engineering Seal

This certification covers parts manufactured and delivered by the manufacturer only, and excludes parts such as doors, windows, foundation design and erection of the building. The buyer is responsible for ensuring all specified loads are in compliance with regulatory authorities.

DSN: MQZ DWN: SF  
DET: SSN CHK: DP

REVISIONS

NO. DATE  
This item has been electronically signed and sealed by Mingqiao Zhu using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.  
03/06/2023  
T & Z Consulting Services, LLC  
1428 N Shevlin Court  
Sewickley, PA 15143

REVISIONS

NO. DATE

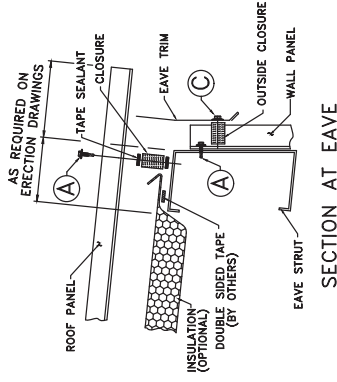
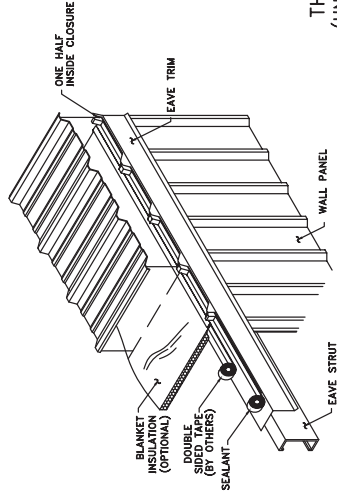
SCALE:  
NOT TO SCALE

## DRAWINGS COVER SHEET

CUSTOMER :  
CHARLES HARDY  
259 SW MOSSY OAK WAY, LAKE CITY FL 32024  
COUNTY : COLUMBIA COUNTY

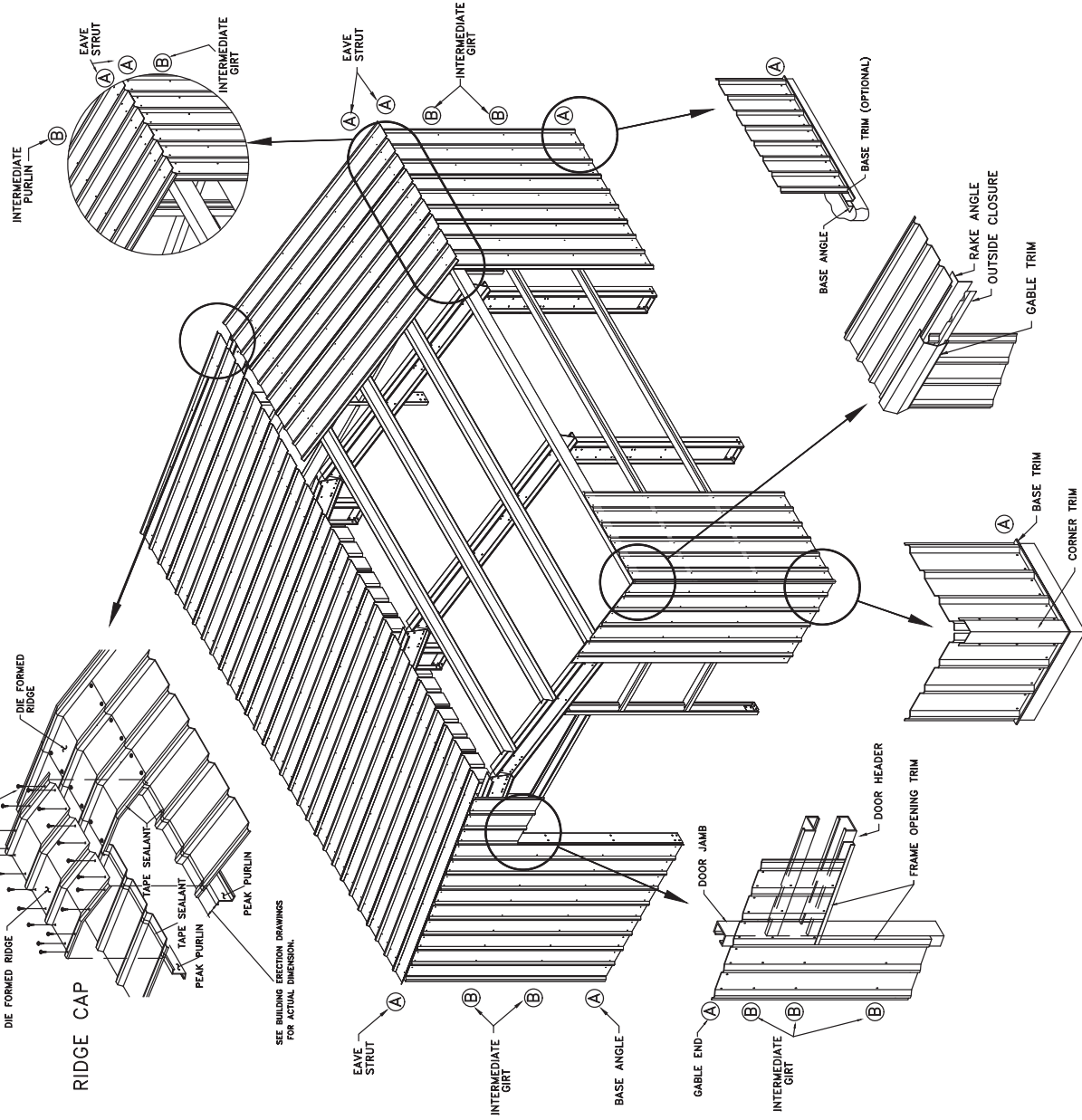
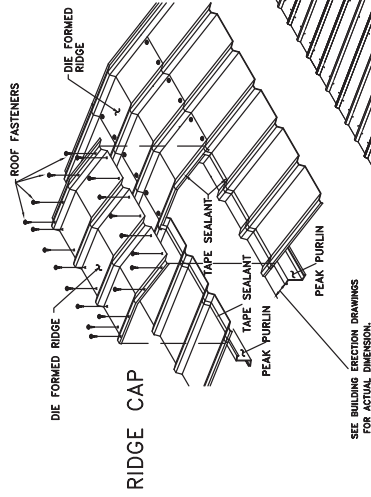
STEEL COMMANDER CORP  
2200 NW CORPORATE BLVD  
BOCA RATON FL 33431

DATE: 2/28/23 JOB NO: 009708 SHT. NO: CS-1



INSTALLATION OF  
THE FIRST ROOF PANEL  
(UNLESS NOTED ON DRAWINGS)

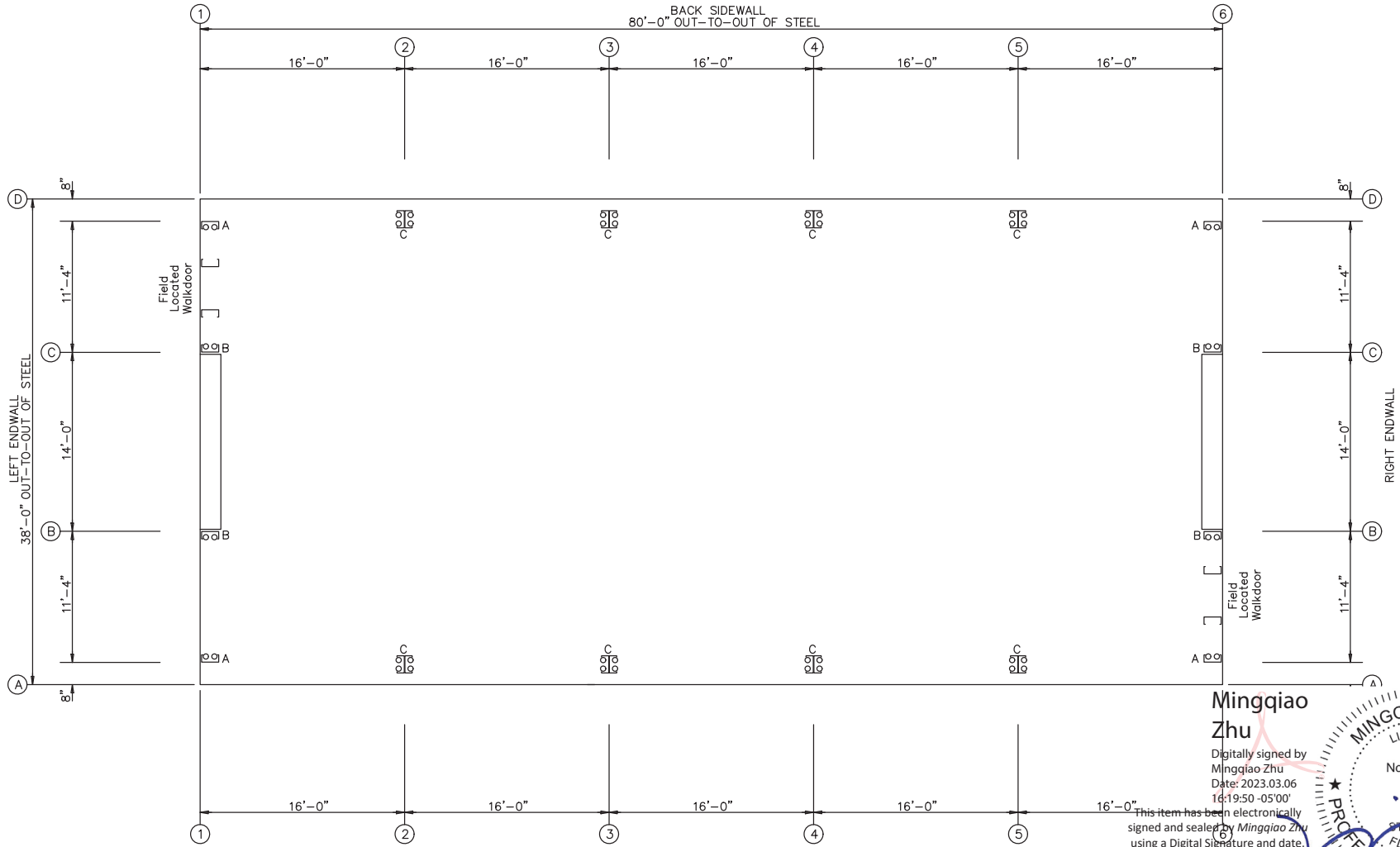
## FASTENER SCHEDULE



| DETAIL: A   | DETAIL: B  | DETAIL: C  |
|---|--|--|
| <p>#14 SELF-TAPPING ROOF FASTENERS<br/>15" O.C. AT SIDE LAP</p> <p>#12 SELF-DRILL ROOF FASTENERS 6" O.C.</p> <p>(A) FASTENER PATTERN<br/>AT BASE ANGLE, EAVE STRUT, RIDGE CAP<br/>&amp; INTERMEDIATE PANEL LAPS</p> | <p>#14 SELF-TAPPING ROOF FASTENERS<br/>15" O.C. AT SIDE LAP</p> <p>#12 SELF-DRILL ROOF FASTENERS 6" O.C.</p> <p>(B) FASTENER PATTERN<br/>AT INTERMEDIATE PURLIN OR GIRT OR LINER PANEL</p> | <p>#14 SELF-TAPPING ROOF FASTENERS<br/>15" O.C. AT SIDE LAP</p> <p>#12 SELF-DRILL ROOF FASTENERS 6" O.C.</p> <p>(C) STITCH FASTENER<br/>#14x7/8"<br/>12" ON CENTER</p> |

|               |               |
|---------------|---------------|
| DATE: 2/28/23 | DWG NO: CS-2W |
|---------------|---------------|

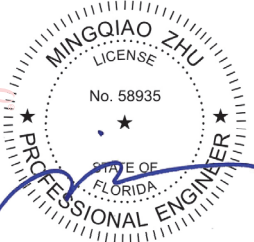
o Dia= 1/2"



Mingqiao  
Zhu

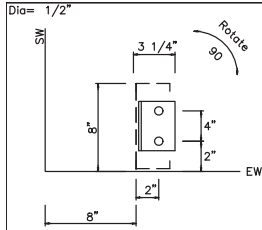
Digitally signed by  
Mingqiao Zhu  
Date: 2023.03.06  
16:19:50 -05'00'

This item has been electronically  
signed and sealed by Mingqiao Zhu  
using a Digital Signature and date.  
Printed copies of this document are  
not considered signed and sealed  
and the signature must be verified  
on any electronic copies.

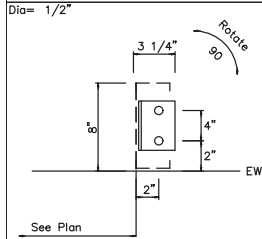


03/06/2023

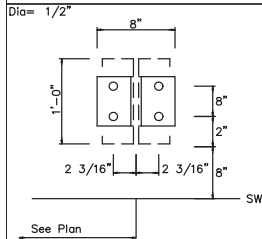
|                      |               |                            |                       |
|----------------------|---------------|----------------------------|-----------------------|
| STEEL COMMANDER CORP |               | Customer: CHARLES HARDY    |                       |
| BOCA RATON FL 33431  |               | LAKE CITY FL 32024         |                       |
| Drafter: SF          | Date: 2/28/23 | Designer: MQZ              | Date: 2/28/23         |
| Detailer: SSN        | Date: 2/28/23 | Sales ID:<br>RL-009-634955 | Factory ID:<br>009708 |
| Checker: DP          | Date: 2/28/23 |                            |                       |
| ANCHOR BOLT PLAN     |               |                            | Sh# E1 of 11          |



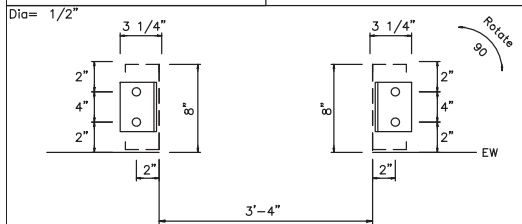
DETAIL A



DETAIL B



DETAIL C



DETAIL OF FIELD LOCATED WALKDOOR

#### LOAD CASES

WIND\_L1 = WIND LOAD FROM LEFT CASE 1  
WIND\_R1 = WIND LOAD FROM RIGHT CASE 1  
WIND\_LN1 = LONGITUDINAL WIND CASE 1  
SEISMIC\_L = SEISMIC LOAD FROM LEFT  
SEISMIC\_R = SEISMIC LOAD FROM RIGHT  
SEISMICLN = LONGITUDINAL SEISMIC LOAD  
F1UNB\_SL\_L = FRAME 1 UNBALANCED SNOW LEFT SIDE  
F1UNB\_SL\_R = FRAME 1 UNBALANCED SNOW RIGHT SIDE  
F1CRANE 1 = FRAME 1 CRANE LOAD IN POSITION 1  
DRIFT = SNOW DRIFT LOAD  
SLIDE = SLIDE SNOW LOAD

#### NOTES FOR REACTIONS

Building reactions are based on the following building data:

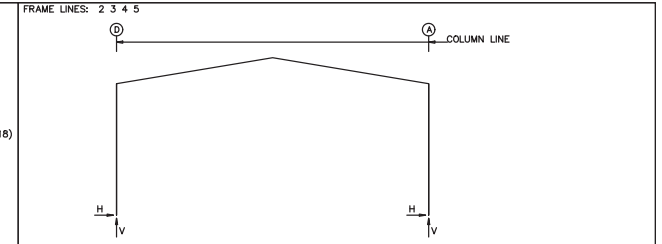
|                         |                     |
|-------------------------|---------------------|
| Width (ft)              | = 38                |
| Length (ft)             | = 80                |
| Eave Height (ft)        | = 16 / 16           |
| Roof Slope              | = 2.0:12 / 2.0:12   |
| Dead Load (psf)         | = 2.000             |
| Collateral Load (psf)   | = 1                 |
| Roof Live Load (psf)    | = 20.00             |
| Roof Snow Load (psf)    | = 0                 |
| Wind Speed(mph)         | = 130               |
| Wind Code               | = FBC 2020 (IBC 18) |
| Wind Exposure           | = C                 |
| Closed/Open             | = Closed            |
| Importance - Wind       | = 1.00              |
| Importance - Seismic    | = 1.00              |
| Seismic Design Category | = B                 |
| Seismic Coeff (Fa/Sa)   | = 0.131             |

Load Combinations -----

DL+CL+(LL or SL)  
DL+CL+0.6W  
DL+CL+0.75(0.6)W+0.75(LL or SL)  
DL+0.75(0.7SEIS)+0.75(LL or SL)  
0.6DL+0.6W  
0.6DL+0.7SEIS

#### GENERAL NOTES

1. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.
2. THE BUILDING REACTION DATA, REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
3. THE SPECIFIED ANCHOR BOLT DIAMETER ASSUMES ASTM A307. ANCHOR BOLT MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER.
4. ANCHOR BOLTS TO BE SUPPLIED BY OTHERS, ANCHOR BOLT EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION ENGINEER.
5. ANCHOR BOLT PROJECTION ABOVE CONCRETE FINISHED SURFACE TO BE 3" UNLESS OTHERWISE NOTED BY FOUNDATION DESIGNER.
6. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN ELEVATION AND LOCATION.
7. THE ANCHOR BOLT LOCATIONS PROVIDED BY THE METAL BUILDING MANUFACTURER MAY NOT SATISFY ANCHOR BOLT CONCRETE EDGE DISTANCE REQUIREMENTS DEPENDING ON THE DETAILS OF FOUNDATION DESIGN. IT IS THE RESPONSIBILITY OF THE FOUNDATION DESIGN ENGINEER TO MAKE SURE THAT SUFFICIENT CONCRETE EDGE DISTANCE IS PROVIDED IN THE FOUNDATION DESIGN.
8. MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.
9. THIS DRAWING IS NOT TO SCALE.



#### RIGID FRAME: ANCHOR BOLTS & BASE PLATES

| Frm Line | Col Line | Anc. Bolt Qty | Base Plate (in)    | Grout (in) |
|----------|----------|---------------|--------------------|------------|
| Line     | Line     | Di            | Width Length Thick | Thick      |
| 2*       | D        | 4             | 0.500 8.000 9.000  | 0.250 0.0  |
| 2*       | A        | 4             | 0.500 8.000 9.000  | 0.250 0.0  |

2\* Frame lines: 2 3 4 5

#### RIGID FRAME: BASIC COLUMN REACTIONS (k )

| Frame Line | Column Line | Dead Horiz | Dead Vert | Collateral Horiz | Collateral Vert | Live Horiz | Live Vert | Wind Left1 Horiz | Wind Left1 Vert | Wind Right1 Horiz | Wind Right1 Vert | Wind Left2 Horiz | Wind Left2 Vert |
|------------|-------------|------------|-----------|------------------|-----------------|------------|-----------|------------------|-----------------|-------------------|------------------|------------------|-----------------|
| 2*         | D           | 0.2        | 1.1       | 0.1              | 0.3             | 1.7        | 6.1       | -4.3             | -8.8            | 1.5               | -5.0             | -4.8             | -5.4            |
| 2*         | A           | -0.2       | 1.1       | -0.1             | 0.3             | -1.7       | 6.1       | -1.5             | -5.0            | 4.3               | -8.8             | -1.0             | -1.6            |

| Frame Line | Column Line | Wind Right2 Horiz | Wind Right2 Vert | Wind Long1 Horiz | Wind Long1 Vert | Wind Long2 Horiz | Wind Long2 Vert | Seismic Left Horiz | Seismic Left Vert | Seismic Right Horiz | Seismic Right Vert |
|------------|-------------|-------------------|------------------|------------------|-----------------|------------------|-----------------|--------------------|-------------------|---------------------|--------------------|
| 2*         | D           | 1.0               | -1.6             | 0.9              | -7.4            | 0.4              | -6.2            | -0.1               | -0.1              | 0.1                 | 0.1                |
| 2*         | A           | 4.8               | -5.4             | -0.4             | -6.2            | -0.9             | -7.4            | -0.1               | 0.1               | 0.1                 | -0.1               |

2\* Frame lines: 2 3 4 5

#### ENDWALL COLUMN: BASIC COLUMN REACTIONS (k )

| Frm | Col | Dead | Collat | Live | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind 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| Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind | Wind |  |
|-----|-----|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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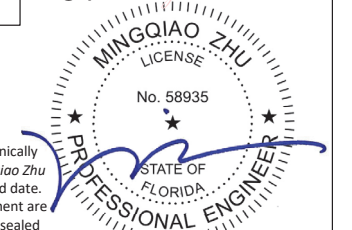
#### ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

| Frm Line | Col Line | Anc. Bolt Qty | Base Plate (in)    | Grout (in) |
|----------|----------|---------------|--------------------|------------|
| Line     | Line     | Di            | Width Length Thick | Thick      |
| 1        | D        | 2             | 0.500 3.250 6.000  | 0.250 0.0  |
| 1        | C        | 2             | 0.500 3.250 6.000  | 0.250 0.0  |
| 1        | B        | 2             | 0.500 3.250 6.000  | 0.250 0.0  |
| 1        | A        | 2             | 0.500 3.250 6.000  | 0.250 0.0  |
| 6        | A        | 2             | 0.500 3.250 6.000  | 0.250 0.0  |
| 6        | B        | 2             | 0.500 3.250 6.000  | 0.250 0.0  |
| 6        | C        | 2             | 0.500 3.250 6.000  | 0.250 0.0  |
| 6        | D        | 2             | 0.500 3.250 6.000  | 0.250 0.0  |

#### BUILDING BRACING REACTIONS

| Loc  | Wall Line | Col Line | ± Reactions(k ) |           |               |              | Panel Shear (lb/ft) |      |
|------|-----------|----------|-----------------|-----------|---------------|--------------|---------------------|------|
|      |           |          | Wind Horiz      | Wind Vert | Seismic Horiz | Seismic Vert | Wind                | Seis |
| L_EW | 1         |          |                 |           |               |              | 88                  | 12   |
| F_SW | A         |          |                 |           |               |              | 50                  | 13   |
| R_EW | 6         |          |                 |           |               |              | 88                  | 12   |
| B_SW | D         |          |                 |           |               |              | 50                  | 5    |

Mingqiao Zhu Digitally signed by Mingqiao Zhu  
Date: 2023.03.06 16:20:00 -0500



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03/06/2023

|                                 |               |                         |                    |
|---------------------------------|---------------|-------------------------|--------------------|
| STEEL COMMANDER CORP            |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431             |               | LAKE CITY FL 32024      |                    |
| Drafter: SF                     | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN                   | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP                     | Date: 2/28/23 | 068499CJ1J              |                    |
| ANCHOR BOLT DETAILS & REACTIONS |               |                         | Sht E2 of 11       |

#### ANCHOR BOLT DETAILS & REACTIONS

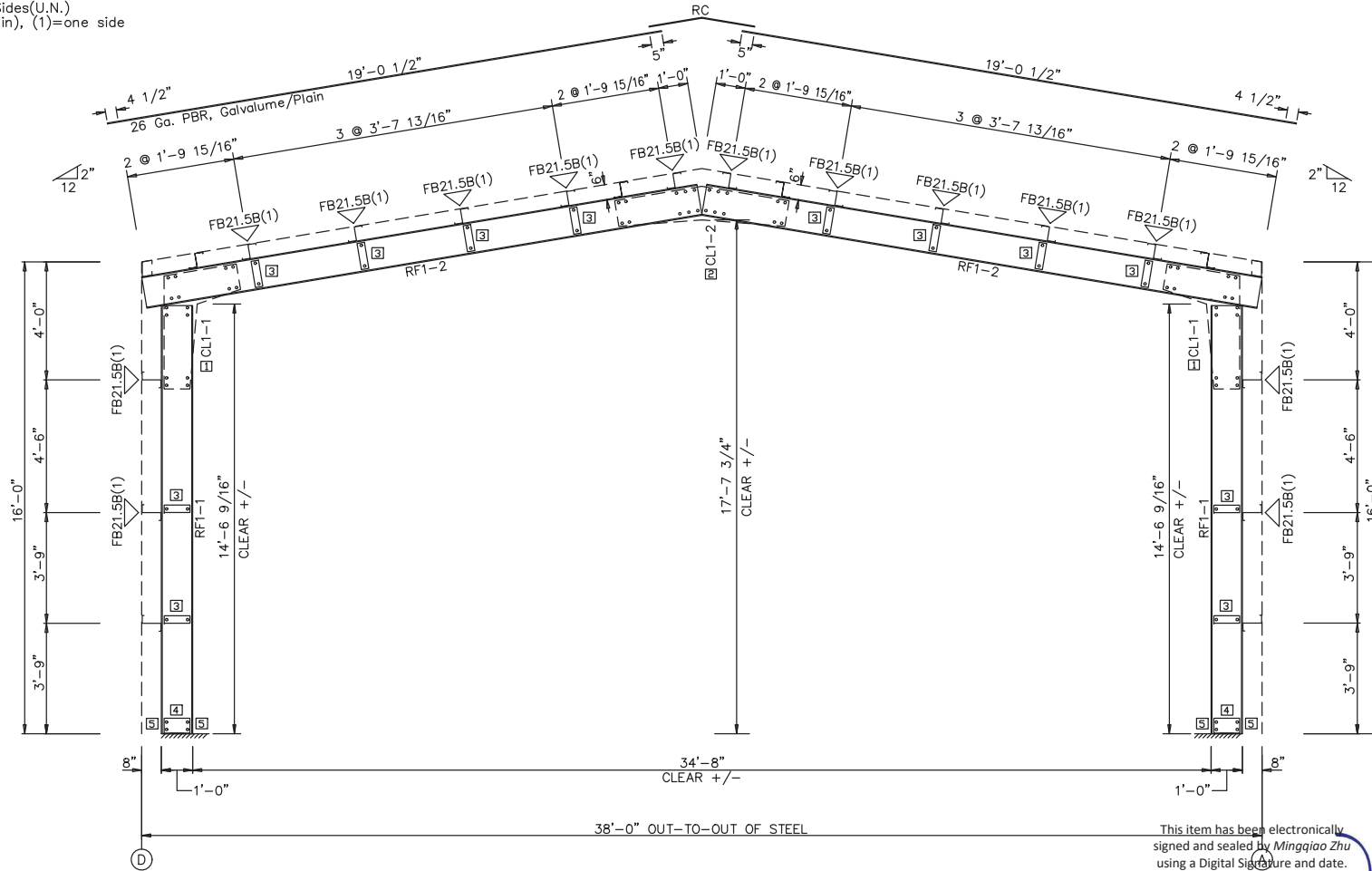
Sh E2 of 11

| SPLICE BOLT TABLE |     |     |     |      |       |            |
|-------------------|-----|-----|-----|------|-------|------------|
| Mark              | Qty | Top | Bot | Int  | Type  | Dia Length |
| CL1-1             | 8   | 8   | 0   | A325 | 0.500 | 2.00       |
| CL1-2             | 10  | 10  | 0   | A325 | 0.500 | 2.00       |

| MEMBER SIZE TABLE |          |             |
|-------------------|----------|-------------|
| MARK              | MEMBER   | LENGTH      |
| RF1-1             | 12x55D12 | 14'-7 1/16" |
| RF1-2             | 12x55D12 | 19'-1 1/8"  |

| CONNECTION PLATES |           |
|-------------------|-----------|
| ID                | Mark/Port |
| 1                 | CL1-1     |
| 2                 | CL1-2     |
| 3                 | CLC103    |
| 4                 | CLC102    |
| 5                 | CLC001    |

▽ FLANGE BRACES: Both Sides(U.N.)  
 FB21.5B(1): 21.5=length(in), (1)=one side  
 B - L2X2X10G

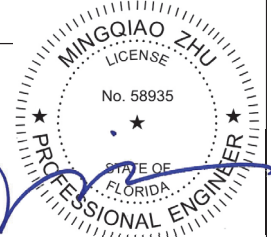


RIGID FRAME ELEVATION: FRAME LINE 2 3 4 5

**GENERAL NOTES:**  
 MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

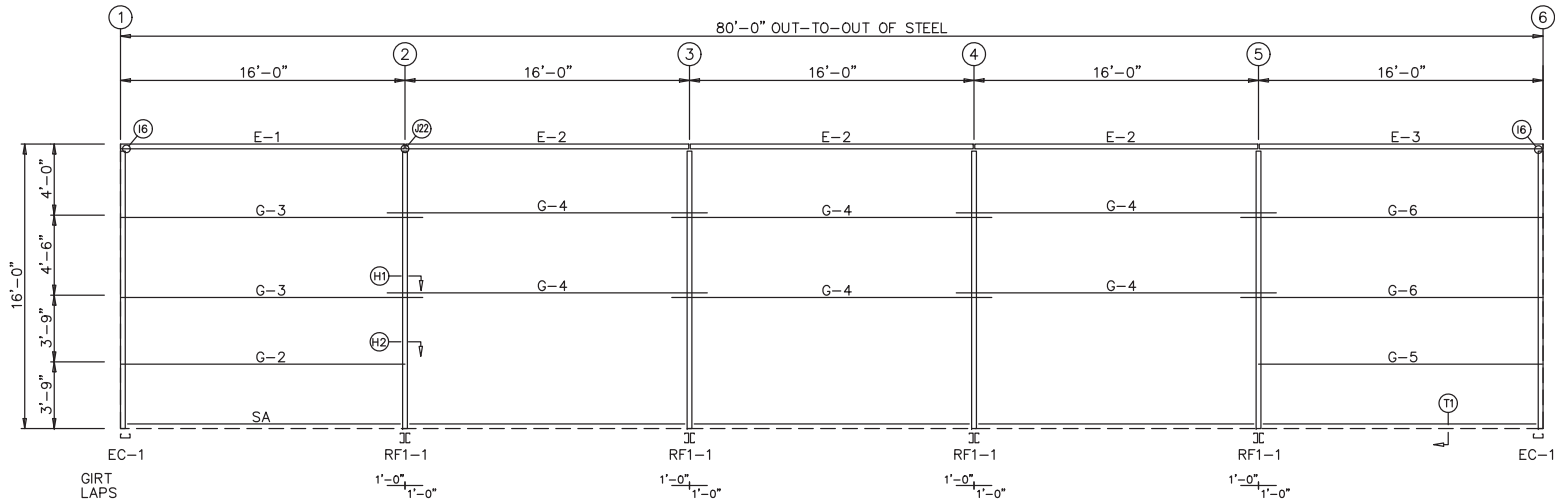
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 Date: 2023.03.06 16:20:15 -05'00'

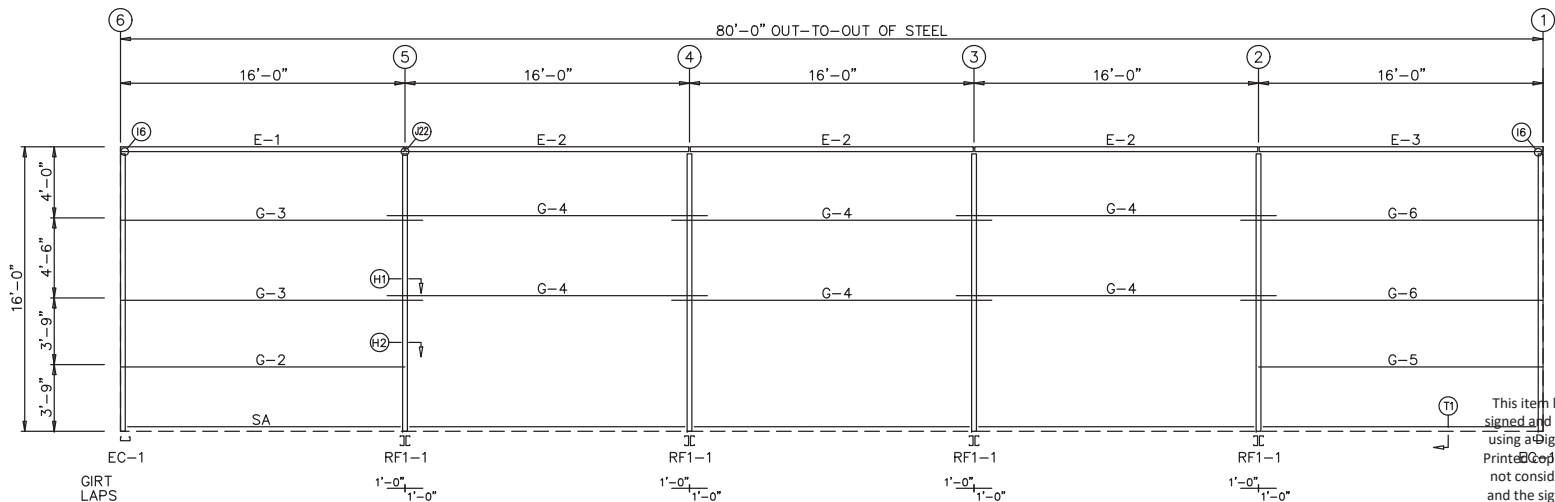


|                       |               |                         |                    |
|-----------------------|---------------|-------------------------|--------------------|
| STEEL COMMANDER CORP  |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431   |               | LAKE CITY FL 32024      |                    |
| Drafter: SF           | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN         | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP           | Date: 2/28/23 | 068499CJTJ              |                    |
| RIGID FRAME ELEVATION |               |                         | Sh# E3 of 11       |

| MEMBER TABLE<br>FRAME LINE A & D |          |             |
|----------------------------------|----------|-------------|
| MARK                             | PART     | LENGTH      |
| E-1                              | 6x354E16 | 15'-11 1/4" |
| E-2                              | 6x354E16 | 15'-11 1/2" |
| E-3                              | 6x354E16 | 15'-11 1/4" |
| G-2                              | 8x25Z16  | 16'-3"      |
| G-3                              | 8x25Z16  | 16'-11 1/2" |
| G-4                              | 8x25Z16  | 18'-0"      |
| G-5                              | 8x25Z16  | 16'-3"      |
| G-6                              | 8x25Z16  | 16'-11 1/2" |



SIDEWALL FRAMING: FRAME LINE A



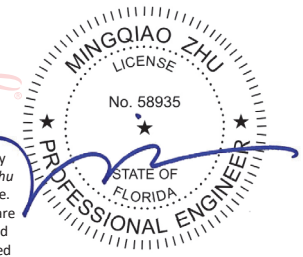
SIDEWALL FRAMING: FRAME LINE D

#### GENERAL NOTES:

MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

**Mingqiao Zhu**

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16:20:25 -05'00'



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|                      |               |                         |                    |
|----------------------|---------------|-------------------------|--------------------|
| STEEL COMMANDER CORP |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431  |               | LAKE CITY FL 32024      |                    |
| Drafter: SF          | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN        | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP          | Date: 2/28/23 |                         |                    |

SIDEWALL FRAMING

Sht E4 of 11

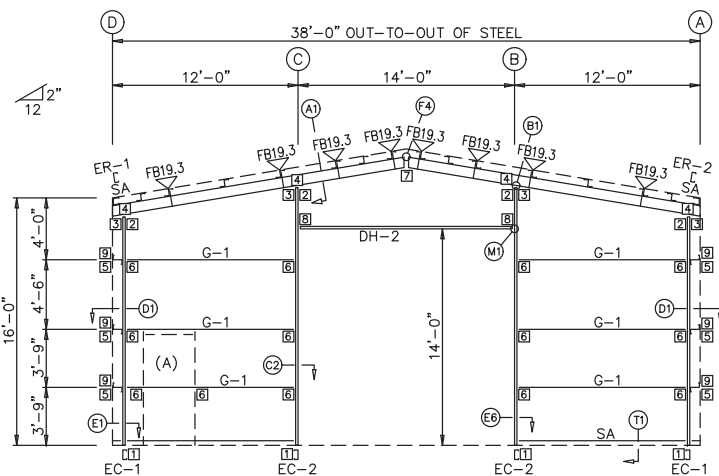


| BOLT TABLE<br>FRAME LINE 1 & 6 |      |       |            |
|--------------------------------|------|-------|------------|
| LOCATION                       | QUAN | TYPE  | DIA LENGTH |
| ER-1/ER-2                      | 4    | A325T | 1/2" 2"    |
| Columns/Raf                    | 8    | A325T | 1/2" 2"    |

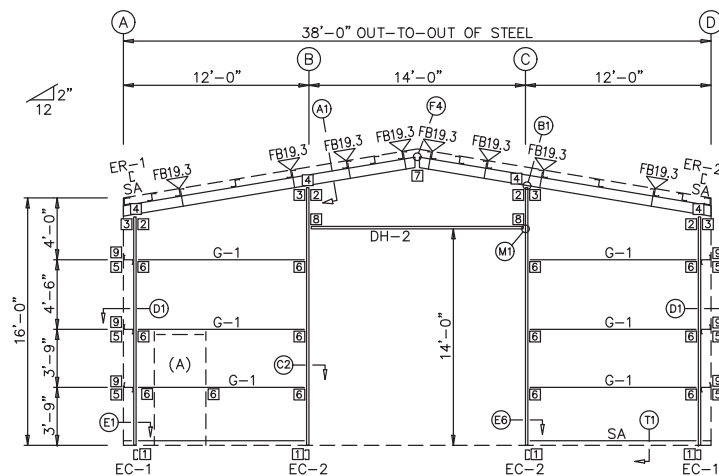
| MEMBER TABLE<br>FRAME LINE 1 & 6 |          |              |
|----------------------------------|----------|--------------|
| MARK                             | PART     | LENGTH       |
| EC-1                             | 8x275C16 | 14'-10 1/8"  |
| EC-2                             | 8x275C12 | 16'-8 13/16" |
| ER-1                             | 8x275C14 | 19'-1 11/16" |
| ER-2                             | 8x275C14 | 19'-1 11/16" |
| DJ-1                             | 8x275C16 | 7'-1 1/2"    |
| DH-1                             | 8x275C16 | 3'-3 1/2"    |
| DH-2                             | 8x275C16 | 13'-11 1/2"  |
| G-1                              | 8x25Z16  | 10'-7"       |

| FLANGE BRACE TABLE<br>FRAME LINE 1 & 6 |      |        |           |
|--|------|--------|-----------|
| VID                                    | QUAN | MARK   | LENGTH    |
| 1                                      | 16   | FB19.3 | 1'-7 1/4" |

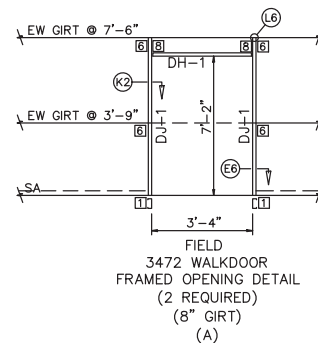
| CONNECTION PLATES<br>FRAME LINE 1 & 6 |        |      |
|---------------------------------------|--------|------|
| ID                                    | MARK   | PART |
| 1                                     | CLC008 |      |
| 2                                     | CLC081 |      |
| 3                                     | CLC083 |      |
| 4                                     | CLC089 |      |
| 5                                     | CLC054 |      |
| 6                                     | CLC052 |      |
| 7                                     | CLC122 |      |
| 8                                     | CLC025 |      |
| 9                                     | CLC053 |      |



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 6

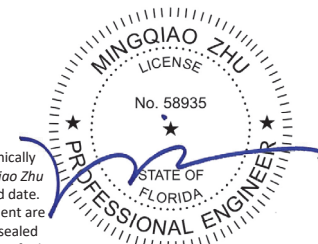


## GENERAL NOTES:

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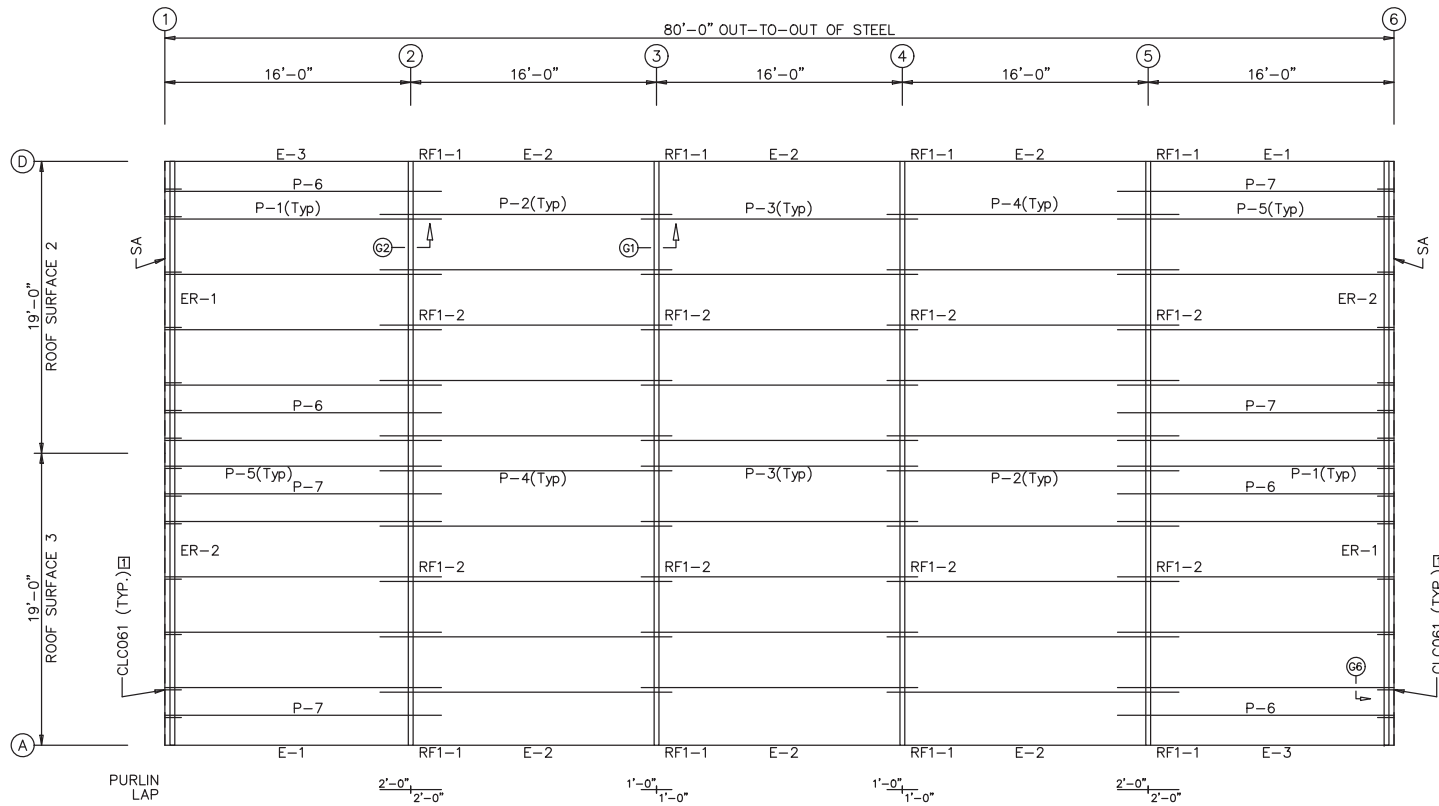
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|----------------------|---------------|-------------------------|--------------------|
| STEEL COMMANDER CORP |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431  |               | LAKE CITY FL 32024      |                    |
| Drafter: SF          | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN        | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP          | Date: 2/28/23 |                         |                    |
| ENDWALL FRAMING      |               |                         | Sh# E5 of 11       |

| MEMBER TABLE |          |             |
|--------------|----------|-------------|
| ROOF PLAN    |          |             |
| MARK         | PART     | LENGTH      |
| P-1          | 6x25Z18  | 17'-11 1/2" |
| P-2          | 6x25Z18  | 19'-0"      |
| P-3          | 6x25Z18  | 18'-0"      |
| P-4          | 6x25Z18  | 19'-0"      |
| P-5          | 6x25Z18  | 17'-11 1/2" |
| P-6          | 6x25Z16  | 17'-11 1/2" |
| P-7          | 6x25Z16  | 17'-11 1/2" |
| E-1          | 6x354E16 | 15'-11 1/4" |
| E-2          | 6x354E16 | 15'-11 1/2" |
| E-3          | 6x354E16 | 15'-11 1/4" |

| CONNECTION PLATES |           |
|-------------------|-----------|
| ROOF PLAN         |           |
| ID                | MARK/PART |
| 1                 | CLC061    |



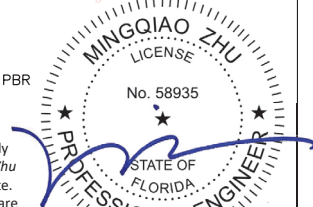
ROOF FRAMING PLAN

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ROOF SHEETING

PANELS: 26 Ga. PBR  
Galvalume/Plain

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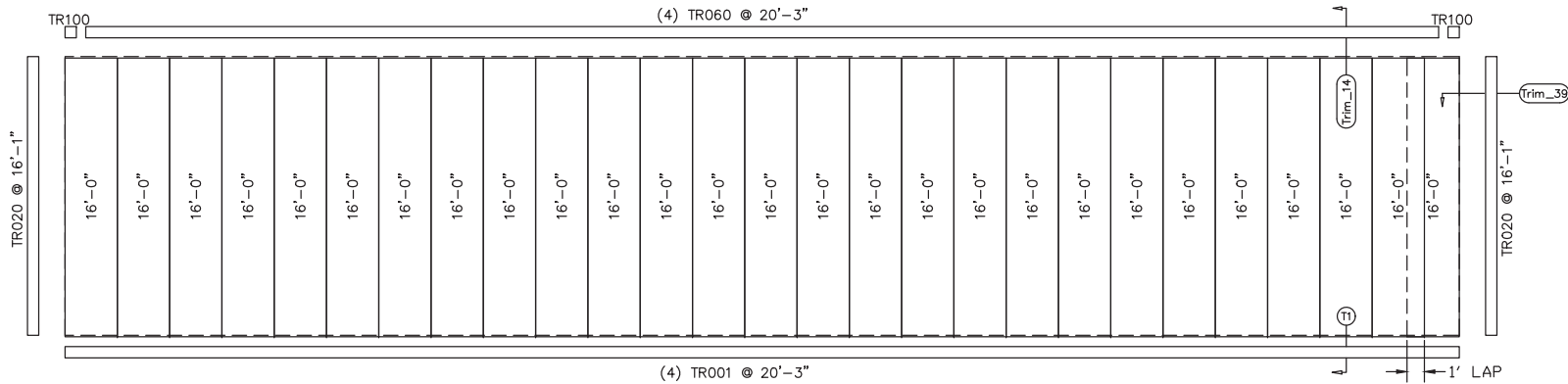
03/06/2023

### GENERAL NOTES:

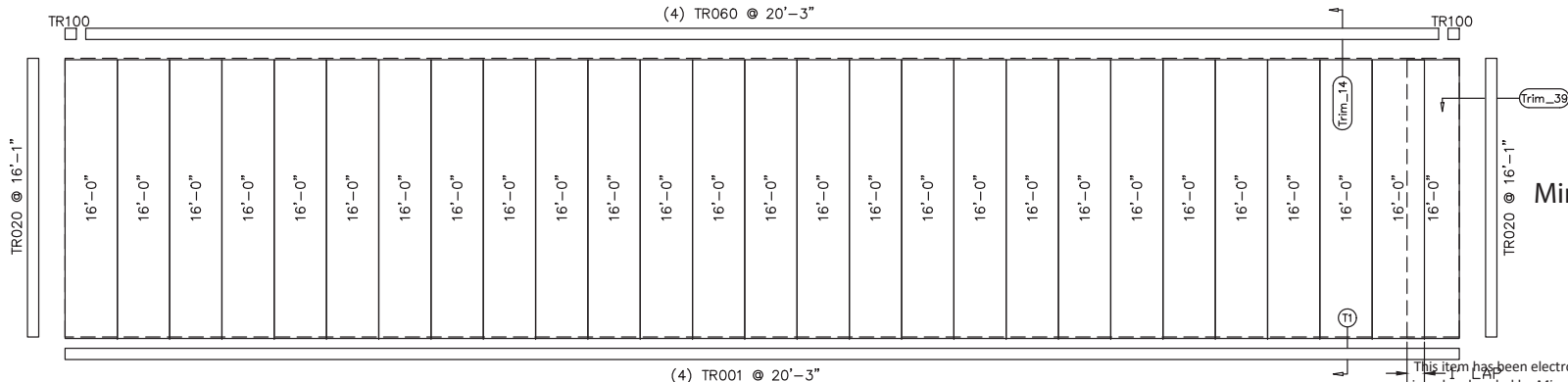
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

|                      |               |                         |                    |
|----------------------|---------------|-------------------------|--------------------|
| STEEL COMMANDER CORP |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431  |               | LAKE CITY FL 32024      |                    |
| Drafter: SF          | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN        | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP          | Date: 2/28/23 |                         |                    |
| ROOF FRAMING PLAN    |               |                         | Sht E6 of 11       |





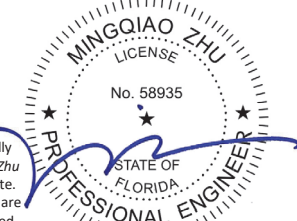
SIDEWALL SHEETING & TRIM: FRAME LINE A  
PANELS: 26 Ga. PBR - Polar White



SIDEWALL SHEETING & TRIM: FRAME LINE D  
PANELS: 26 Ga. PBR - Polar White

Mingqiao Zhu

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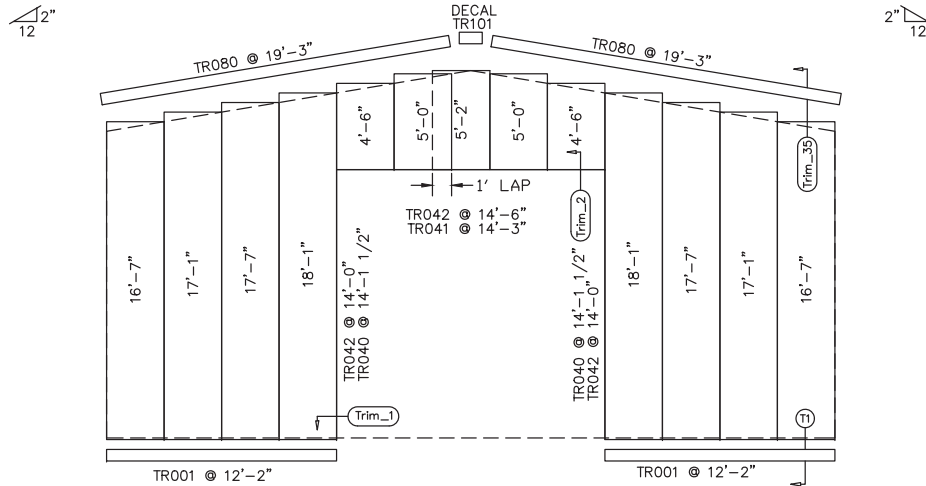
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#### GENERAL NOTES:

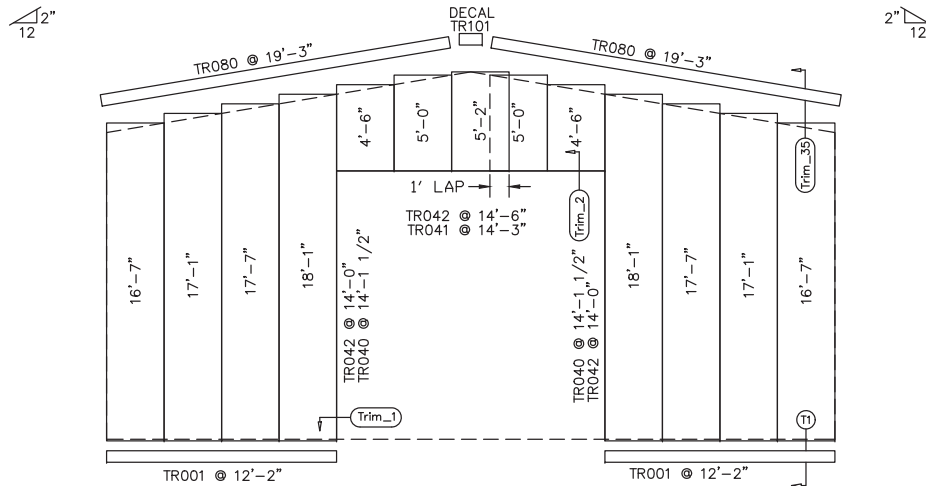
MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.

|                      |               |                         |                    |
|----------------------|---------------|-------------------------|--------------------|
| STEEL COMMANDER CORP |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431  |               | LAKE CITY FL 32024      |                    |
| Drafter: SF          | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN        | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP          | Date: 2/28/23 |                         |                    |
| SIDEWALL SHEETING    |               |                         | Sh# E7 of 11       |



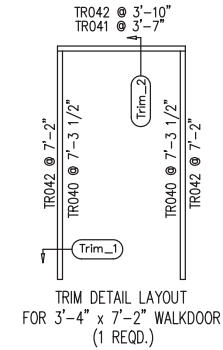
ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBR - Polar White



ENDWALL SHEETING & TRIM: FRAME LINE 6

PANELS: 26 Ga. PBR - Polar White



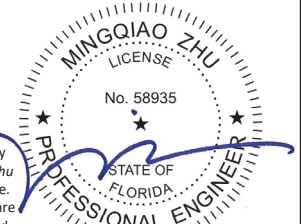
TRIM DETAIL LAYOUT  
FOR 3'-4" x 7'-2" WALKDOOR  
(1 REQD.)

#### GENERAL NOTES:

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qiao  
Zhu

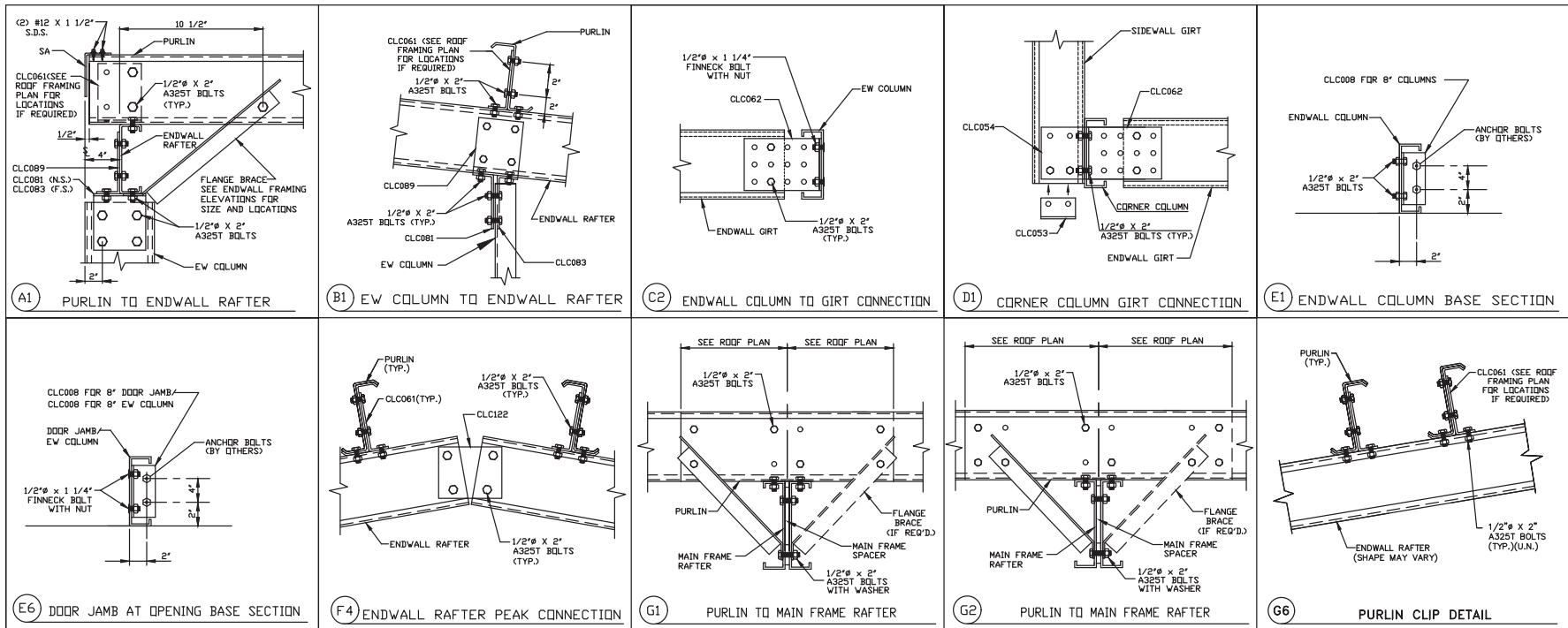
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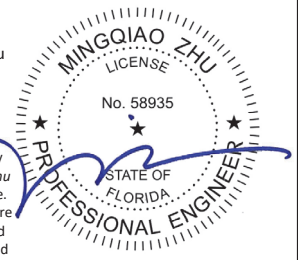
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|----------------------|---------------|-------------------------|--------------------|
| STEEL COMMANDER CORP |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431  |               | LAKE CITY FL 32024      |                    |
| Drafter: SF          | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN        | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
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| ENDWALL SHEETING     |               |                         | Sh# E8 of 11       |



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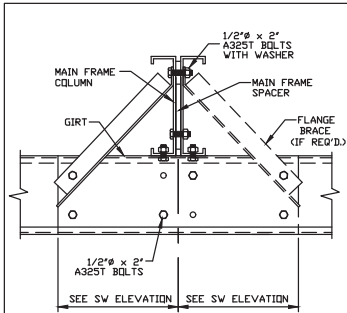


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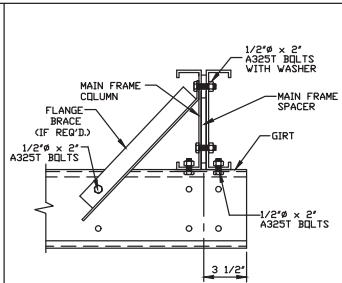
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| STEEL COMMANDER CORP |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431  |               | LAKE CITY FL 32024      |                    |
| Drafter: SF          | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN        | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP          | Date: 2/28/23 | 068499CJTJ              |                    |

DETAIL DRAWINGS

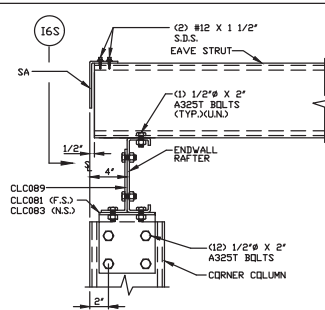
Sht E9 of 11



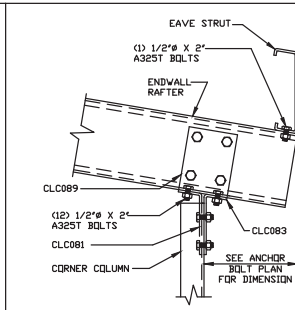
(H1) GIRT TO MAIN FRAME COLUMN WITH LAP



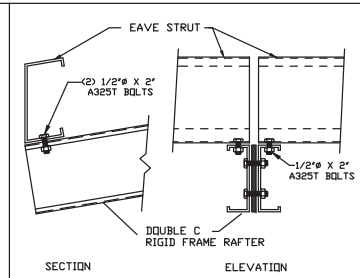
(H2) GIRT TO MAIN FRAME COLUMN WITHOUT LAP



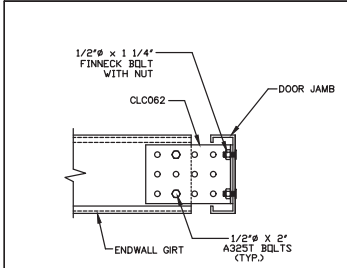
(I6) CORNER COLUMN TO ENDWALL RAFTER



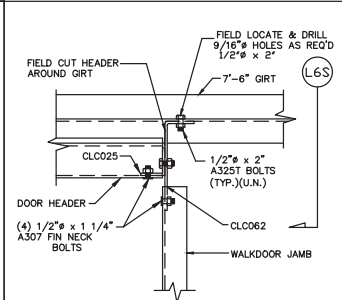
(I6S) CORNER COLUMN TO ENDWALL RAFTER



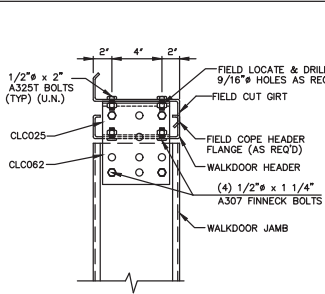
(J22) EAVE STRUT TO MAIN FRAME



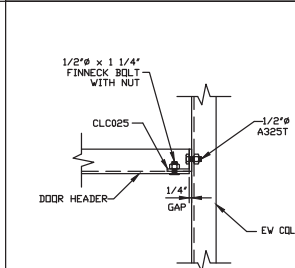
(K2) DOOR JAMB TO GIRT CONNECTION



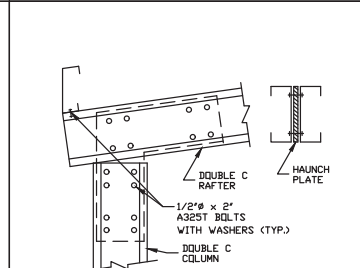
(L6) DOOR JAMB & HEADER TO WALL GIRT



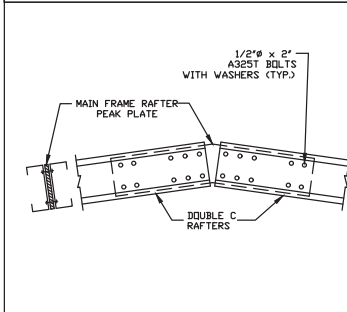
(L6S) DOOR JAMB & HEADER TO WALL GIRT



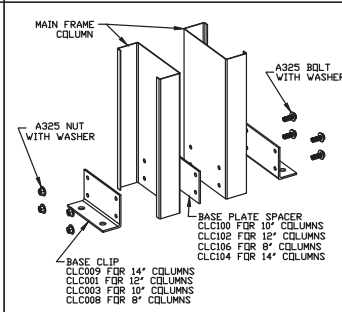
(M1) HEADER TO EW COLUMN CONNECTION



(U11) MAIN FRAME COLUMN TO MAIN FRAME RAFTER

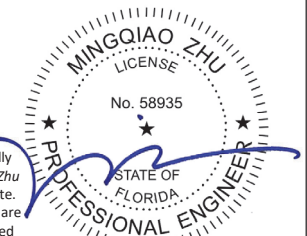


(U12) MAIN FRAME RAFTER PEAK CONNECTION



SIDEWALL COLUMN BASE CONNECTION

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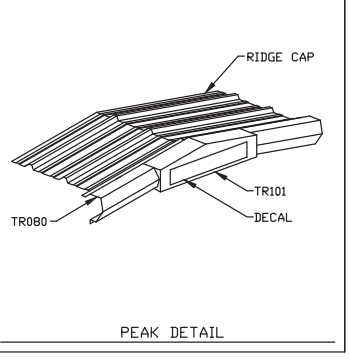
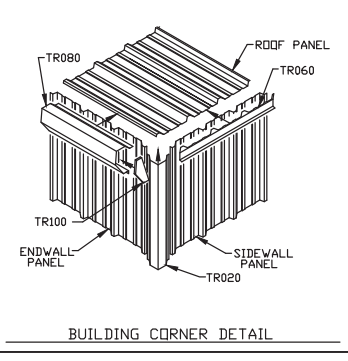
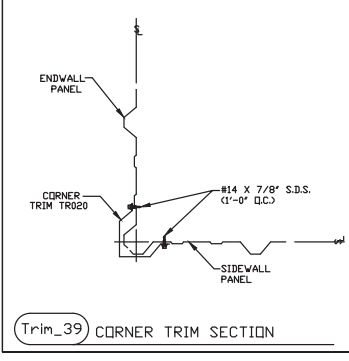
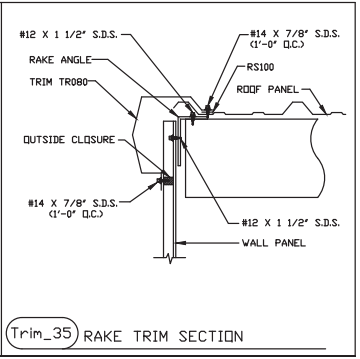
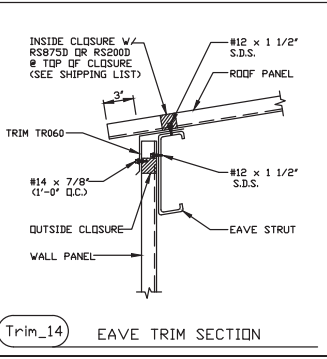
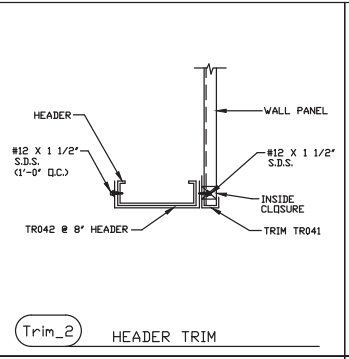
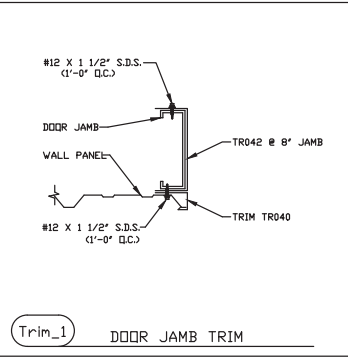
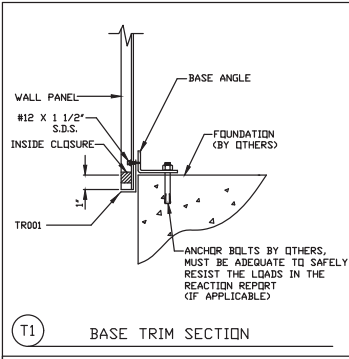
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| STEEL COMMANDER CORP |               | Customer: CHARLES HARDY |                    |
| BOCA RATON FL 33431  |               | LAKE CITY FL 32024      |                    |
| Drafter: SF          | Date: 2/28/23 | Designer: MQZ           | Date: 2/28/23      |
| Detailer: SSN        | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP          | Date: 2/28/23 | 068499CJTJ              |                    |

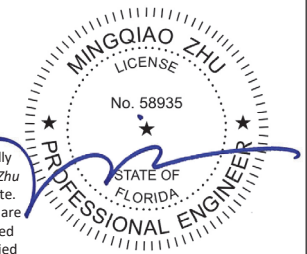
DETAIL DRAWINGS

Sh# E10 of 11



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| Detailer: SSN        | Date: 2/28/23 | Sales ID: RL-009-634955 | Factory ID: 009708 |
| Checker: DP          | Date: 2/28/23 |                         |                    |
| TRIM DRAWINGS        |               |                         | Sh# E11 of 11      |