BUILDER/CONTRACTOR RESPONSIBILITIES

order documents as of the date of these drawings. These documents describe the material supplied by the manufacturer as of the date of these drawings. Any changes to the order documents after the date on these drawings may void these drawings, supporting structural calculations and design certification. The Builder/Contractor is responsible for notifying the building authority of all changes to the order documents which result in changes to the drawings, supporting structural calculations and design certification. Drawing Validity - These drawings, supporting structural calculations and design certification are based on the

Builder/Contractor acceptance of the manufacturer's interpretations of the order documents and standard product specifications, including its design, fabrication and quality criteria standards and iderances. (AISC code of manufacturer has correctly interpreted and applied the requirements of the order documents and constitutes Builder Acceptance of Drawings - Approval of the manufacturer's drawings and design data affirms that the

standard practice, Section 4.2.1, 4.4.1) Δ

Code Official Approval - IV is the responsibility of the Builder/Contractor to ensure that all project plans specifications comply with the applicable requirements of any governing building authority. The is responsible for securing all required approvals and permits from the appropriate agency as required. The Builder/Contractor

Builder is responsible for State, Federal and OSHA safety compliance - The Builder/Contractor is responsible applying and observing all pertinent safety rules and regulations and OSHA standards as applicable. for

<u>Building Erection</u> - The Builder/Contractor is responsible for all erection of the steel and associated work compliance with the Metal Building Manufacturers drawing s. Temporary supports, such as temporary braces, false work or other elements required for erection will be determined, furnished and installed erect or. (AISC Code of Standard Practice June 15 2016 Section 7.9.1, 7.10.3) in guys, by the

Discrepancies - Where discrepancies exist between the Metal Building plans and plans for other trades, Building plans will govern. (AISC Code of Standard Practice June 15 2016 Section 3.3) The Metal

Materials by Others - All interface and compatibility of any materials not furnished by the manufacturer are the responsibility of and to be coordinated by the Builder/Contractor or A/E firm, Unless specific design criteria concerning any interface between materials if furnished as a part of the order documents, the m anufact ure rs assumptions will govern.

Modification of the Metal Building from Plans - The Metal Building supplied by the manufacturer has been designed according to the Building Code and specifications and the loads shown on this drawing. Modification of the building configuration, such as removing wall panels or braces, from that shown on these plans could affect the structural integrity of the building. The Metal Building Manufacturer or a Licensed Structural Engineer should be consulted prior to making any changes to the building configuration shown on these drawing s. The Metal Building Manufacturer will assume no responsibility for any loads applied to the building not indicated on these drawing s.

workmanship of the foundation. Anchor rod plans prepared by the manufacturer are intended to show only location, diameter and projection of the anchor rods required to attach the Metal Building System to the foundation. It is the responsibility of the end customer to ensure that adequate provisions are made for specifying rod embedment, bearing values, tie rods and or other associated items embedded in the concrete foundation, as well as foundation design for the loads imposed by the Metal Building System, other imposed loads, and the bearing capacity of the soil and other conditions of the building site. Foundation Design - The Metal Building Manufacturer is not responsible for the design, materials and

Material properties of steel bar, plate, and sheet used in the abrication of built-up structural framing members conform to ASTM A529, ASTM A572, or ASTM A1011 with 55 ksi min, yield, except flanges wider thon 12" and thicker than 3/8", all flanges thicker thon 1", and all webs thicker than 3/8" are 50 ksi min, yield. Rod Y-bracing conforms to ASTM A529 or ASTM A572 with 50 ksi min, yield. Cable X-bracing conforms to ASTM A529, or ASTM A757 with 50 ksi min, yield. Cable X-bracing conforms to ASTM A529, or ASTM A572 with 50 ksi min, yield. Hot rolled structural shapes conform to ASTM A992, ASTM A368 minim um. Round A572 with 50 ksi min, yield. Hot rolled angles, other thon flange braces, conform to ASTM A36 minim um. Round and rectangular HSS conforms to ASTM A500 Grade B. Cold-formed steel secondary framing Members conform to ASTM A653 Grade 55 with 55 ksi min, yield. PROJECT NOTES steel bar, plate, and sheet used in the labrication

or any special inspections that may be required by the local building authority during election, the costs associated of the high strength bolts or field welds) as required during election. The coordination and the costs associated for setting up and Special inspections are the responsibility of the Erector, Owner, Architect, or Engineer of Record. The manufacturer does not assume any responsibility for the erection nor field supervision of the structure and or any special inspections that may be required by the local building authority during erection (including inspection

Snow

Design is based upon the more severe loading of either the roof snow load or the roof live load.

Loads, as noted, are given within order documents and are applied in general accordance with the applicable provisions of the model code and/or specification indicated. Neither the manufacture nor the certifying engineer declares or attests that the loads as designated are proper for the local provisions that may apply or for site specific parameters. The manufacture is Engineer's certification is limited to design loads supplied by an and/or engineer of record for the overall construction project

This project is designed using manufacture's standard serviceability standards. Generally this means that all stresses and deflections are within typical performance limits for normal occupancy and standard metal building products. If special requirements for deflections and vibrations must be adhered to, then they must be clearly stated in the contract documents.

This metal building system is designed as endosed. All exterior components (i.e. doors, must be designed to withstand the specified wind loading for the design of components accordance with the specified building code. Doors are to be closed when a maximum of relocity is reached. windows, vents, etc.)
and cladding in
50% of design wind

be attached to the purlin wieb. This may not be appropriate for heavily concentrated loads. Any attached load in excess of 150 pounds shall be accounted for by special design performed by a licensed engineer using concentrated loads and may require separate support members within the roof system The design collateral load has been uniformly applied to the design 9 The building. Hanging loads are

FLORID A AP PROVAL

PANEL FL11917.5 PBR WALL PANEL

ENGINEERING DESIGN CRITERIA

Building Code Building Risk Category (0.00 psi Ceiling Roof Dead Load Superimposed. Collatera I.. 1 psi Other) (Yes reducible) 2.060 psi 1 psi (Total)

Wind Ground Snow Load (Pg)....
Snow Load Importance Factor (Is)
Snow Exposure Factor (Ce)... Thermal Factor (Ct)... Fla\ Roof Snow Load (Pf)... Minimum Roof Snow Load (Pm).. 0 psi 0.00 psi 0.00 psi 1,20 1.00

Ultimate Wind Speed (Vul). 120 mph
Nominal Wind Speed (Vasd) ... 93 mph
(IBC Section 1609 3, 1)
Serviceability Wind Speed 76 mph
Wind Exposure Category ... B
Internal Pressure Coefficient (GCpi) 0 .18 / - 0 .18
Loads for components not provided by building manufa cturer . Wall Edge

Wall Edge Zones 23,69 psi pressure 31,53 psi suction
Other Wall Zones 23,69 psi pressure - 25,66 psi suction
These values are the maximum values required based on a 10 square foot area.
Components with larger areas may have lower wind loads.
Zones pressures shown are Un-Factored

6

Location... In\RF Front SW Back SW Left EW Right EW System... H H H H H R R 3 3 3 3 Seismic Importance Factor (Seismic Design Category... Soil Site Class... Analysis Procedu 0.096 æ Factor (le).. ory.. 1.00
ory.. B
Sds.. 0.101 g
Sdf. 0.085 g
Equivalent Lateral Force

Design Base Shear in kips (V) Transverse 0.52
Design Base Shear in kips (V) Longitudinal 0.45 0.034 0.034 0.034 0.034 0,03 4 ωт

Basic Structural System (From ASCE 7-10 TABLE 12.2-1)

System - Basic Force Resisting System
H Steel System no\ Specifically Detailed for Seismic Resistance

R - Response Modification Coefficient
Cs - Seismic Response Coefficient
Transverse - Direction Parallel to the Rigid Frames
ongitudinal - Direction Perpendicular to the Rigid Frames

CHANDER P. NANGIA P.E.

Building Descriptions Building Descriptions Slope	Building Descriptions Width(/) Length(/) Height(/)	Width(/)	Description Length(//) H	ns leigh\(f\)I
Building Descriptions	Building Descriptions	Guinning	Description	าร
		Building		
			E	HOUSTON, TX 77086

STEEL COMMANDER COF	2	17-8-81039	>		OFS	2000		1	t	I	
STEEL COMMANDER CORPORATION KO HPD CM JYS CHB CM RRT FAW CM PROJECT JOHN GOODRUM CUSTOMER: JOHN GOODRUM LOCATION: LAKE CITY, FL 32024 STEEL COMMANDER CORPORATION 2200 NW CORPORATE BLVD STE 410 BOCA RATION, FL 33431 OWNER: JOHN GOODRUM	OTEET NOMBER	JOB NOMBER	BUILDING ID	PHASE	SCALE	DATE	CAD			-	
N	CHEET NI MARER				024	LAKE CITY, FL 32	LOCATION:				
N		JOHN GOODROM	OWNEK:			JOHN GOODRUM	CUSTOMER:				
NO NO NO NO NO NO NO NO		000000000000000000000000000000000000000				JOHN GOODRUM	PROJECT				
ION BY CKD DSN KO HPD CM JYS CHB CM				0001				CM	FW		V. FOR ERECTOR INSTALLATION
TON BY CKD DSN KO HPD CM		431	ATON FL 33	ROCA R	1		991 ==	CM	СНВ	SAF	R ERECTOR INSTALLATION
BY CKD DSN		D STE 410	ORATE BLV	NW CORP	220			CM	HPD	КО	IR CONSTRUCTION PERMIT
		DRPORATION	明の	MMAND	5 5	STE		NSO	CKD	ВУ	DESCRIPTION

Page R1-R3 DET1-10 F2 3 2 Ţ E3 E2 щ F3 Œ ES STANDARD DETAILS COVER SHEET FRAME CROSS SECTION LEFT ENDWALL BACK SIDEWALL FRONT SIDEWALL ANCHOR BOLT DETAILS ANCHOR BOLT PLAN INSTALLATION SHEETS RIGHT ENDWALL ROOF SHEETING PLAN ROOF FRAMING PLAN ANCHOR BOLT REACTIONS Drawing Index Description

DRAWING STATUS

FOR APPROVAL

These drawings, being Tor Approval, are by definition no\ final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.

These trawings, being for Permit, alle by definition not final. Only drawings issued "For Erector Installation" can be considered as complete.

FOR CONSTRUCTION PERMIT

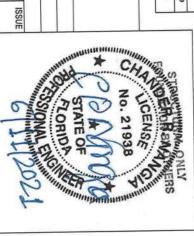
FINAL FOR ERECTOR INSTALLATION Final drawings for construction.

For questions or assistance Concerning Erection call: 978 905-6282

Monday-Friday 7:30am to 5:00pm

ENGINEERING SEAL

The engineer whose seel appears hereon is an employee for the manufacturer. Cornerstone Building Brands, or one of its affiliates, for the materials described herein. Said seel or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for this project.



LOCATIONS OF BOLTS LONGER NOTED ON ERECTION DRAWINGS 1 13/ 16" TO 2 1/16"

THAN 2 3/ 4"

9/16" TO 1 13/16"

2 1/2" 2 3/4"

WASHER REQUIRED ONLY WHEN SPECIFIED.

WASHER MAY BE LOCATED UNDER HEAD OF BOLT, UNDER NUT, OR AT BOTH AT LOCATIONS NOTED ON ERECTION DRAWINGS. ADD \$1.32" FOR EACH WASHER TO MATERIAL THICKNESS TO DETERMINE GRIP.

5/16" TO 1/16" TO 10 GRIP

9/16" 5/ 16 "

2 1/ 4"

9/16" TO 1 1/ 16"

3/ 4" F.T. 1/ 4" F.T.

9/16"

LENGTH

OLT LENGTI

NOTE:
PULL THREAD ENGAGEMENT IS
DEMED TO HAVE BEEN MET
WHEN THE END OF THE BOLT
IS FLUSH WITH THE FACE OF
THE NUT.

ISSUE

DATE

10/ 7/20

6/1/21 12/ 9/20

REV FOR FOR 1/ 2"¢ A325 BOLT GRIP TABLE

Download panel installation manuals www.ncimanuals.com

from:

Descargue los manuales

9

instalación del

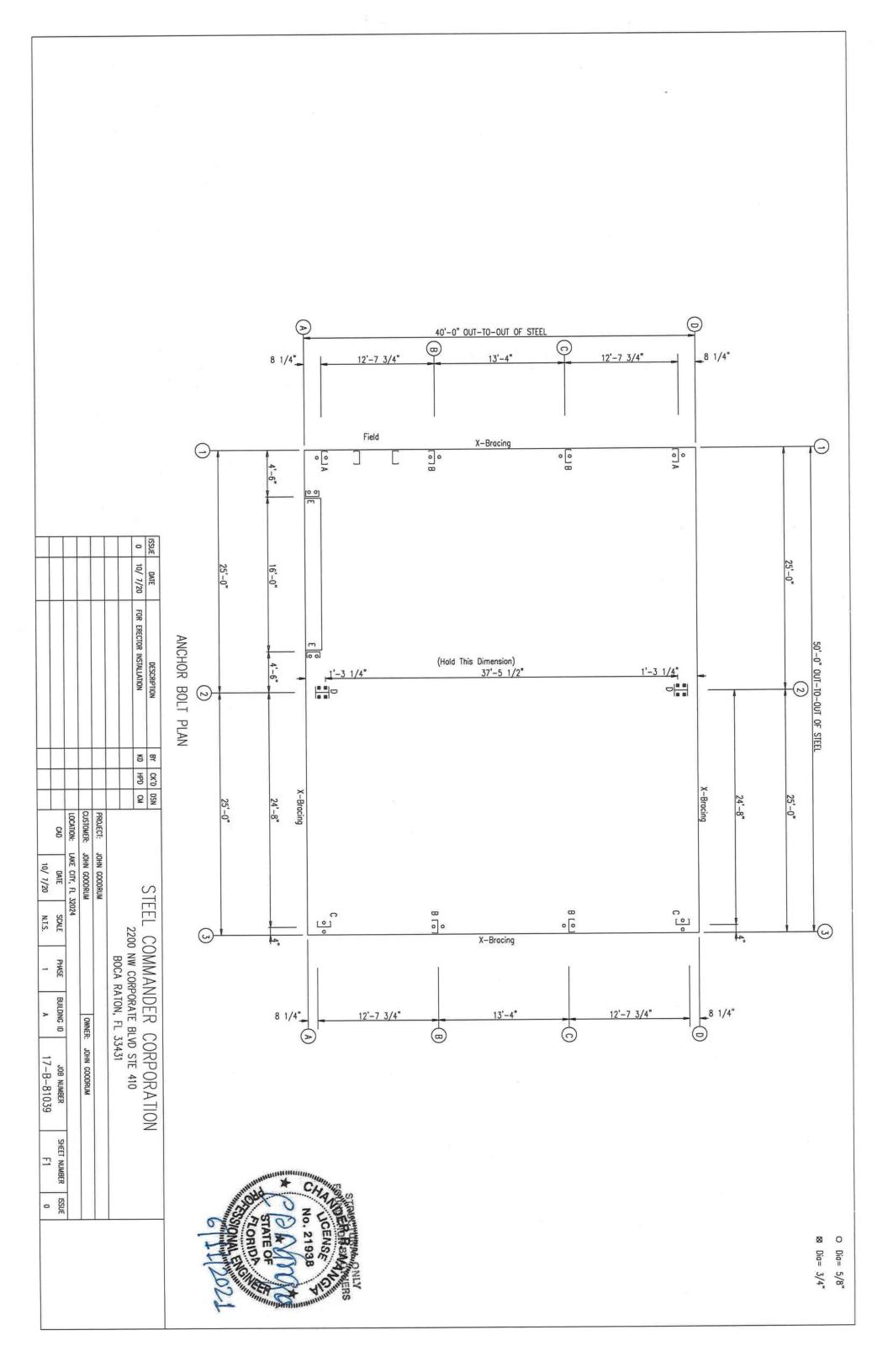
panel

desde:

www.ncim

T. DENOTES

FULLY THREADED



No. 21938 DATE 10/ 7/20

POR ERECTOR INSTALLATION

BY CK'D DSN KD HPD CM

STEEL COMMANDER CORPORATION 2200 NW CORPORATE BLVD STE 410 BOCA RATON, FL 33431

LOCATION: LAKE CITY, FL 32024
CAD DATE SC

10/ 7/20

SCALE N.T.S.

PHASE 1

BUILDING ID

JOB NUMBER 17-B-81039

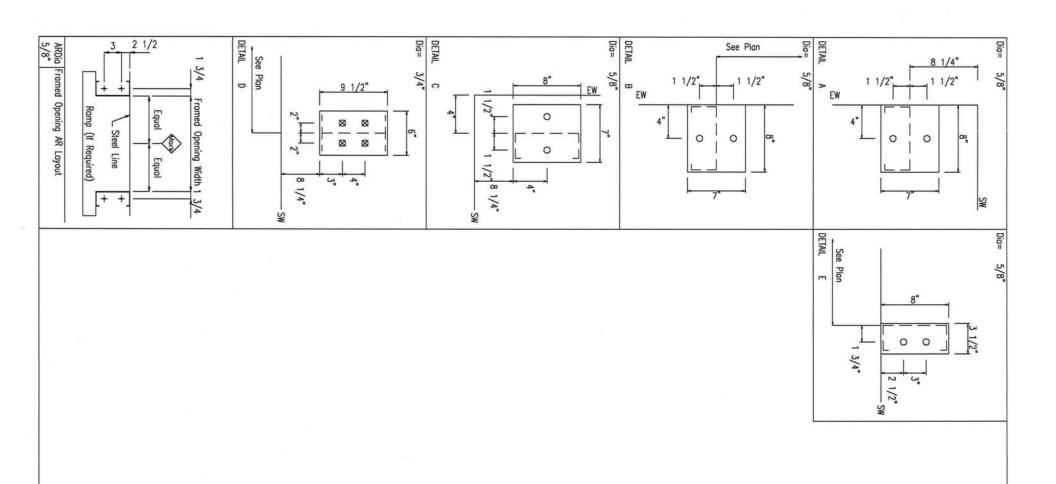
SHEET NUMBER F2

> ISSUE 0

OWNER: JOHN GOODRUM

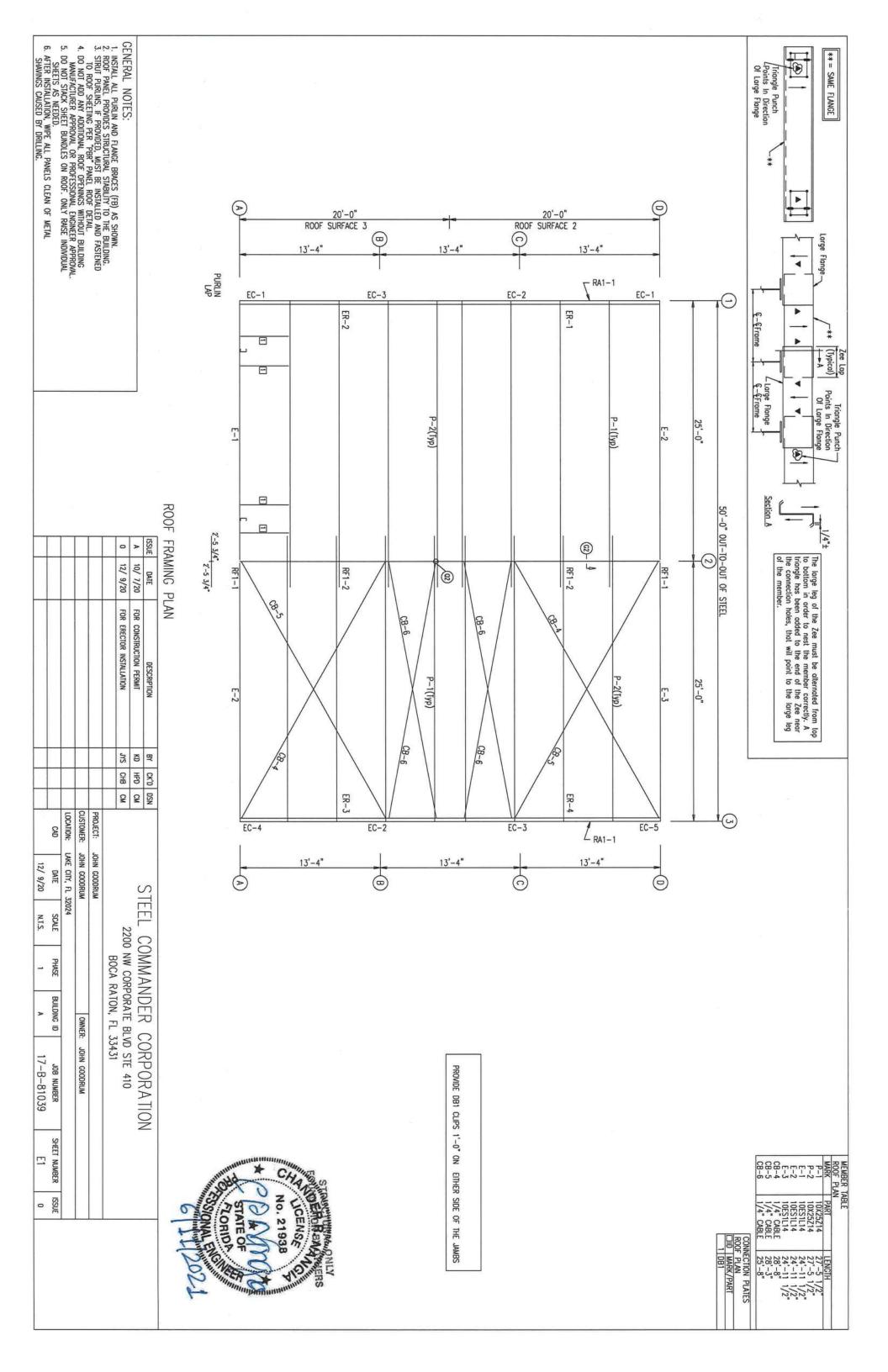
PROJECT: JOHN GOODRUM
CUSTOMER: JOHN GOODRUM

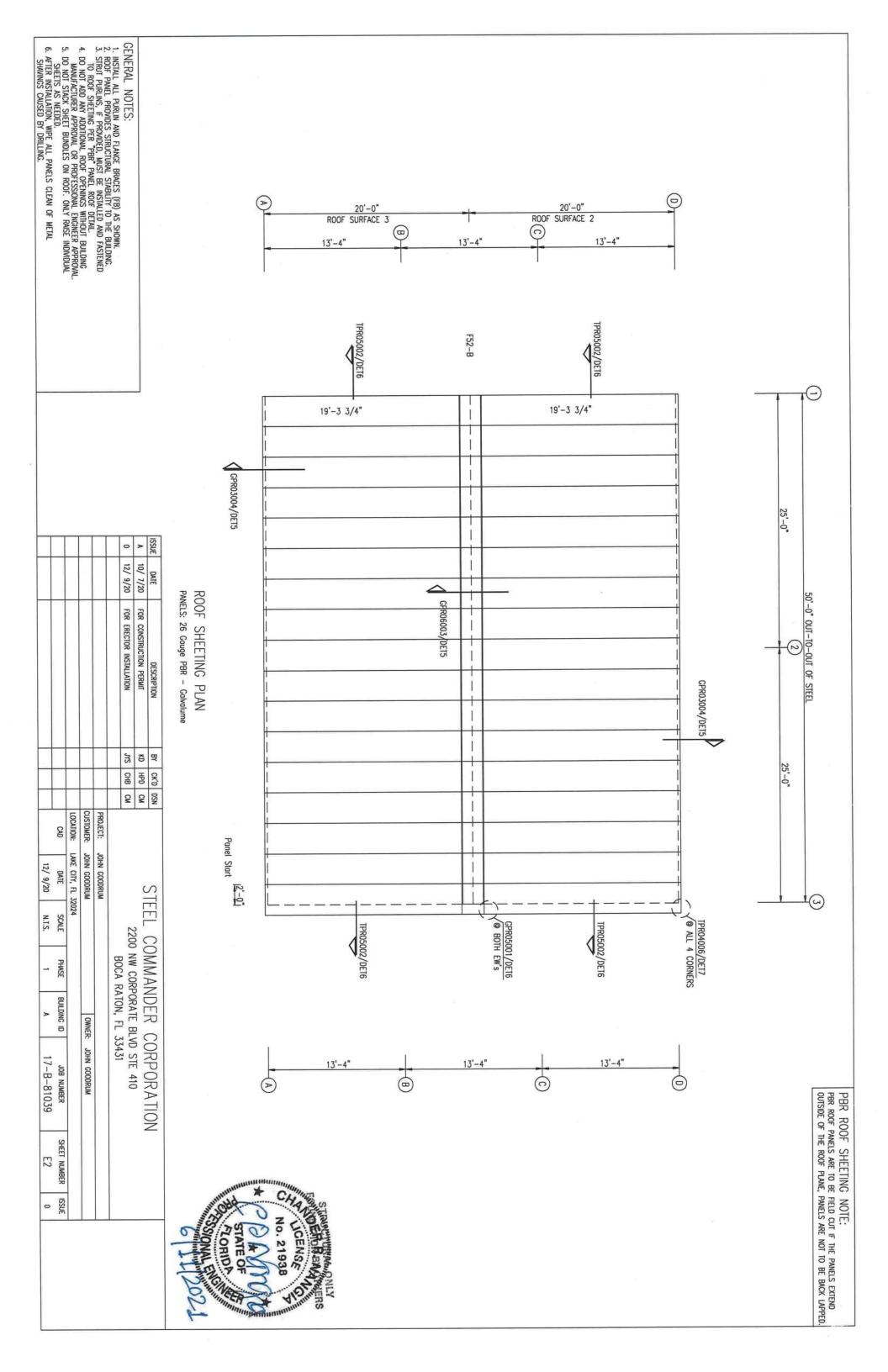
HUMPA-ONLY HOREA PAIERS				BUILDING BRACING REACTIONS Reactions in plane of wall #Reactions (k) Loc Line Line Horz Wind Seismic (lb/ft) LEW 1 C.B Bracing, see EW reactions F_SW D 3,2 Bracing, see EW reactions B_SW D 3,2 2.1 Bracing, see EW reactions 1.2 Bracing, see EW reactions 2.1 Bracing, see EW reactions 1.2 Bracing, see EW reactions 1.3 Bracing, see EW reactions 1.4 Bracing, see EW reactions 1.5 Bracing, see EW
THAT ADEQUATE PROVISIONS ARE MADE IN THE FOUNDATION DESIGN FOR LOADS MPOSED BY COLUMN REACTIONS OF THE BUILDING, OTHER MEMOSED LADS, AND BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE. IT IS RECOMMENDED THAT THE ANCHORAGE AND FOUNDATION OF THE BUILDING BE DESIGNED BY A REGISTERED PROFESSIONAL NUMBER EXPERIENCED IN THE DESIGN OF SUCH STRUCTURES, (SECTION A3 MBMA 2006 METAL BUILDING SYSTEMS MANUAL) 5. BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION. (UNLESS NOTED) 6. ANCHOR RODS ARE ASTM F1554 GRADE 36 MATERIAL UNLESS NOTED OTHERWISE.	AT THE TIME OF MAILING. ANY CHANGES TO BUILDING LOADS OR DIMENSIONS MY CHANGE THE REACTIONS. THE REACTIONS WILL BE SUPERSEDED AND VOIDED BY ANY FUTURE MAILING. REACTIONS ARE PROVIDED AS UN-PACTORED FOR EACH LOAD GROUP APPLIED TO THE COLUMN. THE FOUNDATION ENGINEER WILL APPLY THE APPROPRIATE LOAD FACTORS AND CONCINEE THE REACTIONS IN ACCORDANCE WITH THE BUILDING CODE AND DESCIN SPECIFICATIONS TO DETERMINE BEARNO PRESSURES AND CONCRETE DESIGN. THE FACTORS APPLIED TO LOAD GROUPS FOR THE STELL COLUMN DESIGN MAY BE DIFFERENT THAN THE FACTORS USED IN THE FOUNDATION DESIGN. 3. THE MANUFACTURER DOES NOT PROVIDE MAXIMUM* LOAD COMBINATION REACTIONS. HOWEVER, THE INDIVIDUAL LOAD COMBINATION REACTIONS. HOWEVER, THE INDIVIDUAL FOR THE METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE DESIGN PROCEDURES AND ALLOW FOR AN ECONOMICAL FOUNDATION DESIGN 4. THE METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE REACHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BERRIED THE BASE PLATE AND THE ANCHOR BOLT BUILDING MANUFACTURER DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE BUSICN, MATERAL AND CONSTRUCTION OF THE FOUNDATION IN SHEAR HAVELED	ANCHOR BOLT SUMMARY Olly Locote Dio Type (in)	MND Lett/Right 1 = (with +GCpi Internal Pressure) WND Lett/Right 2 = (with +GCpi Internal Pressure) WND Lett/Right 2 = (with +GCpi Internal Pressure) Wnd_Long 1 = Wind Load Case B at Left EW Wind_Long 2 = Wind Load Case B at Right EW WNN_SNUW = Minimum Snow (Pm) per cade E_HUNB_SL_L = Endwall Unbolanced Snow Left E_HUNB_SL_R = Endwall Unbolanced Snow Right E_HUNB_SL_R = Endwall Unbolanced Snow Left E_HUNB_SL_R = Right frame Unbolanced Snow Left	NOTES FOR REACTIONS BUILDING REACTIONS ARE BASED ON THE FOLLOWING BUILDING DATA: WIDTH (FT) EACH EIGHT (FT) EACH EIGHT (FT) EACH EIGHT (FT) EACH EIGHT (FT) ROOF SLOPE (Seing 1 pst Other) (0.00 pst Ceining 1 pst Other)
ENDWALL COLUMN: ANCHOR BOLTS & BM Frm Line Col Manc. Bolt Line Base_Plate (in) Length Thic 1 0 2 0.625 7.000 8.000 0.22 1 0 2 0.625 7.000 8.000 0.22 1 8 2 0.625 7.000 8.000 0.22 1 A 2 0.625 7.000 8.000 0.22 1 A 2 0.625 7.000 8.000 0.22 3 A 2 0.625 7.000 8.000 0.22 3 C 2 0.625 7.000 8.000 0.22 3 C 2 0.625 7.000 8.000 0.22 3 D 2 0.625 7.000 8.000 0.22 3 D 2 0.625 7.000 8.000 0.22 3 D 2 0.625 7.000 8.000	ENDWALL COLUMN: BASIC COLUMN REACTIONS (k) Frm Col Dead Collect Line Wind_Left1 Wind_Right1 Wind_Left2 Wind_Right2 Wind_Right2 Wind_Aress 1 D 0.2 0.1 1.4 0.0 -1.1 0.0 -0.4 -0.7 0.0 1 D 0.2 0.1 1.4 0.0 -1.1 0.0 -0.4 -0.7 0.0 1 D 0.2 3.6 -1.4 -5.4 0.0 -1.1 0.0 -0.4 -4.7 0.0 1 A 0.2 0.1 1.4 0.0 -1.1 0.0 -0.0 -1.4 0.0 3 A 0.2 0.1 1.4 0.0 -1.1 0.0 -1.4 0.0 -1.4 0.0 3 B 0.5 0.2 3.6 -1.4 -5.4 0.0 -1.1 0.0 -0.4 -0.4 -4.1 -1.4 0.0	RIGID FRAME: BAS Frame Column	RIGID FRAME: ANCHOR BOLTS & BASE PLATES	FRAME LINES: 2 COLUMN LINE H V

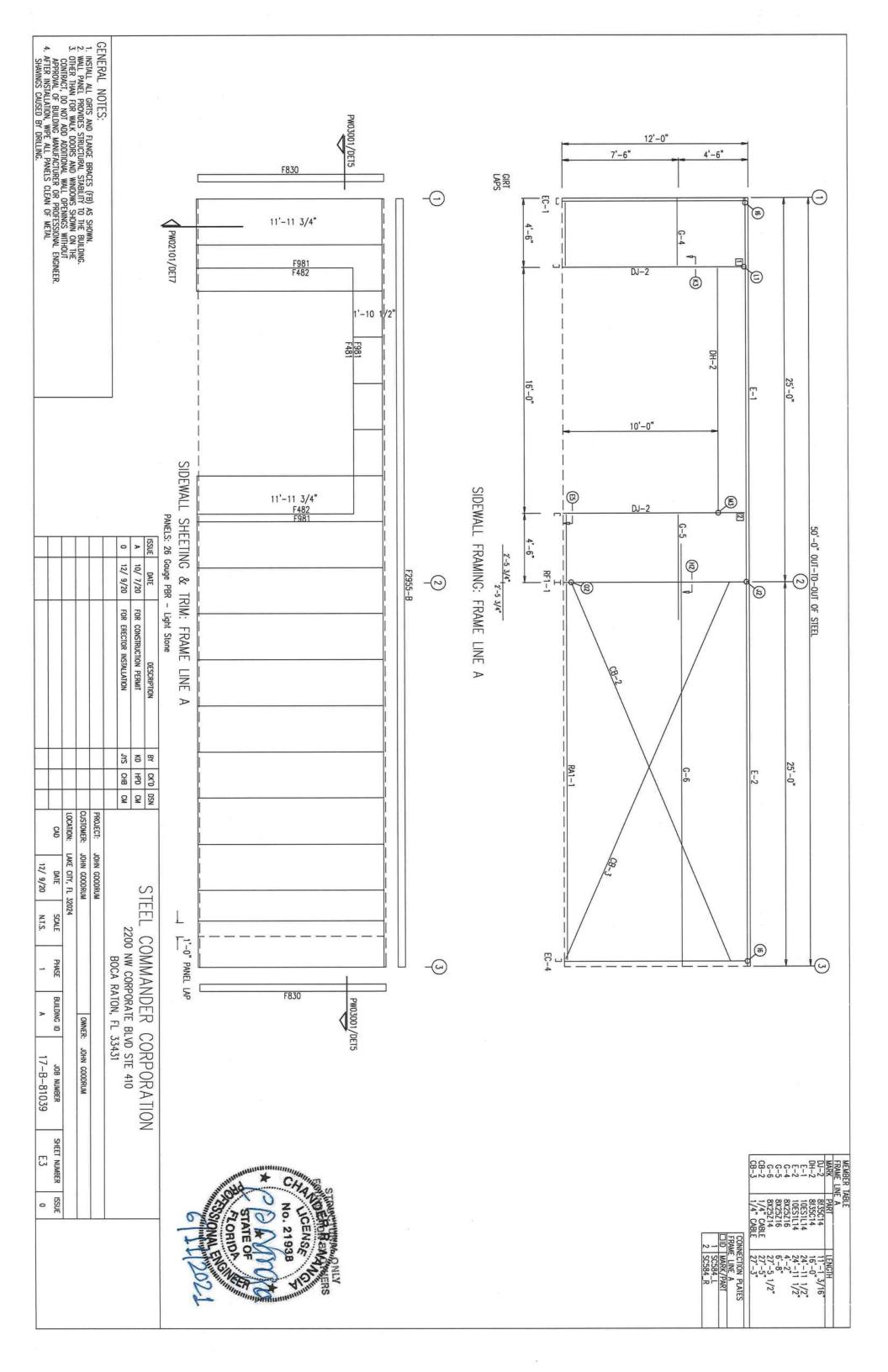


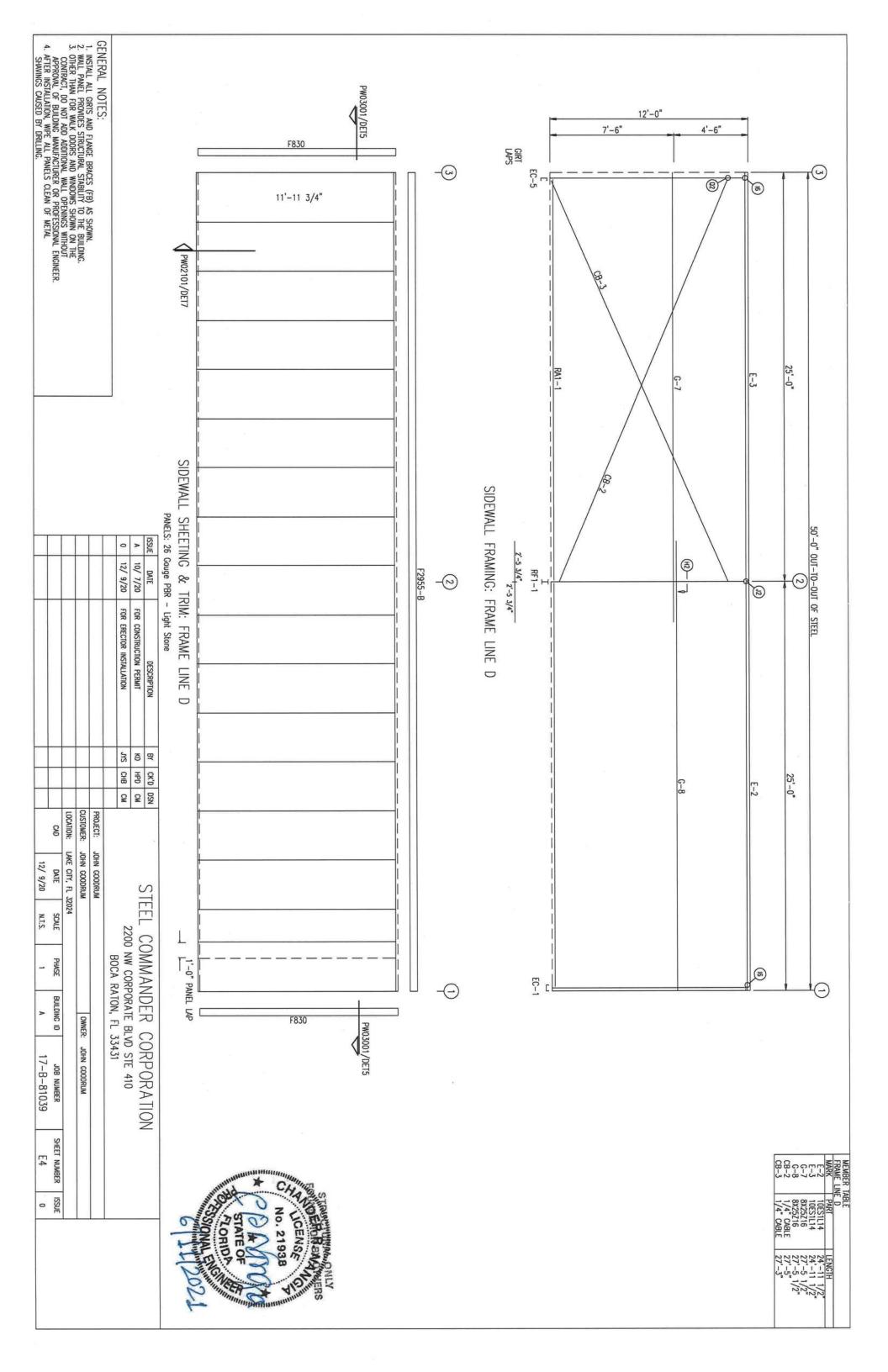
						210	0	ISSUE
							10/ 7/20	DATE
							FOR ERECTOR INSTALLATION	DESCRIPTION
							8	BY
							HPD	CK'D DSN
		LOCATION:	CUSTOMER:	PROJECT:			CM	DSN
20	DATE SCALE PHASE BUILDING ID	LAKE CITY, FL 32024	JOHN GOODRUM	JOHN GOODRUM	BOCA RAION, FL	2200 NW CORPORATE	OTELE COMMENS	STEEL COMMANDER
17-B-81039	NG ID JOB NUMBER		OWNER: JOHN GOODRUM		FL 33431	E BLVU SIE 410	2	R CORDOR A TION
F3	SHEET NUMBER							

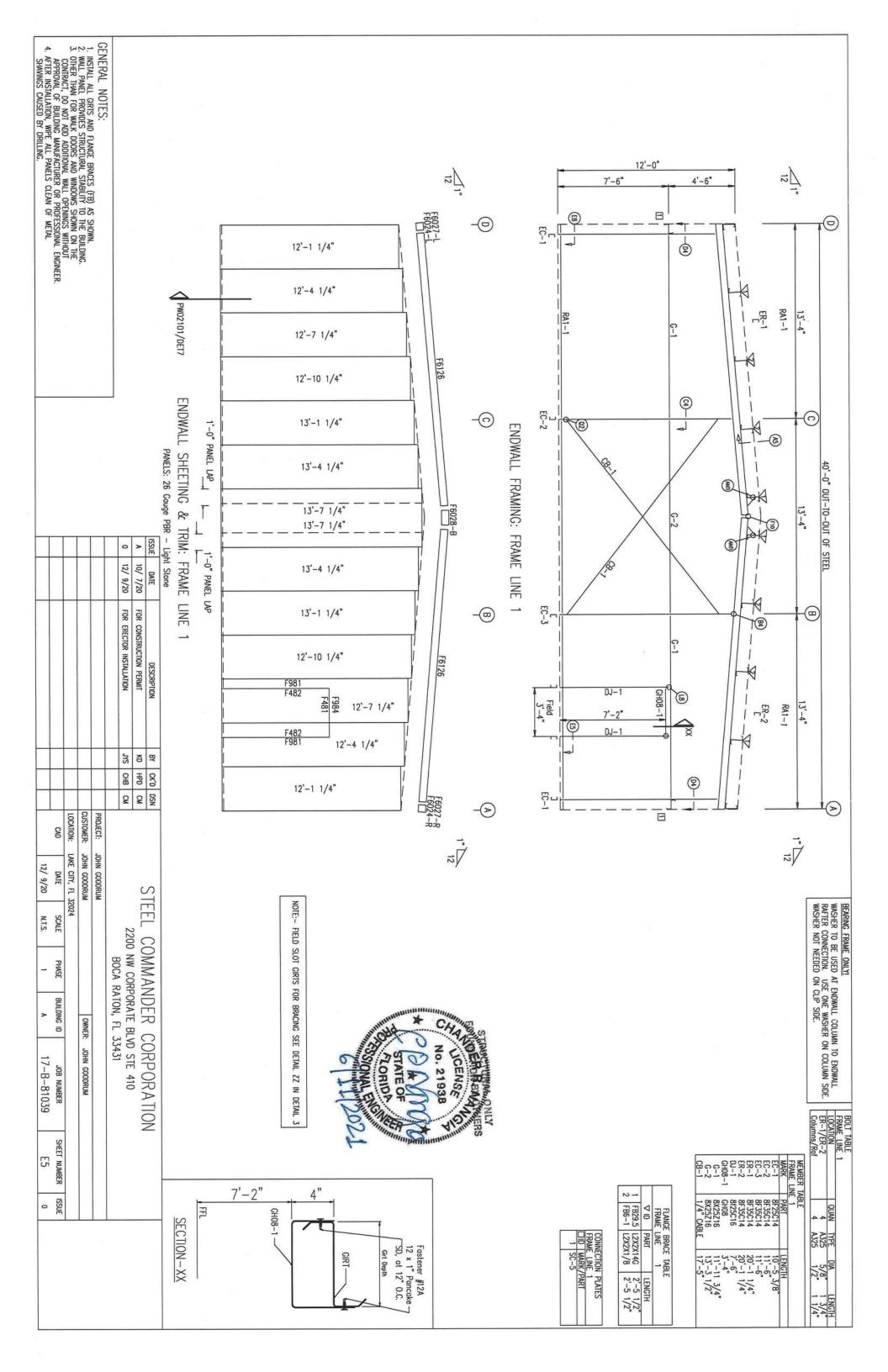


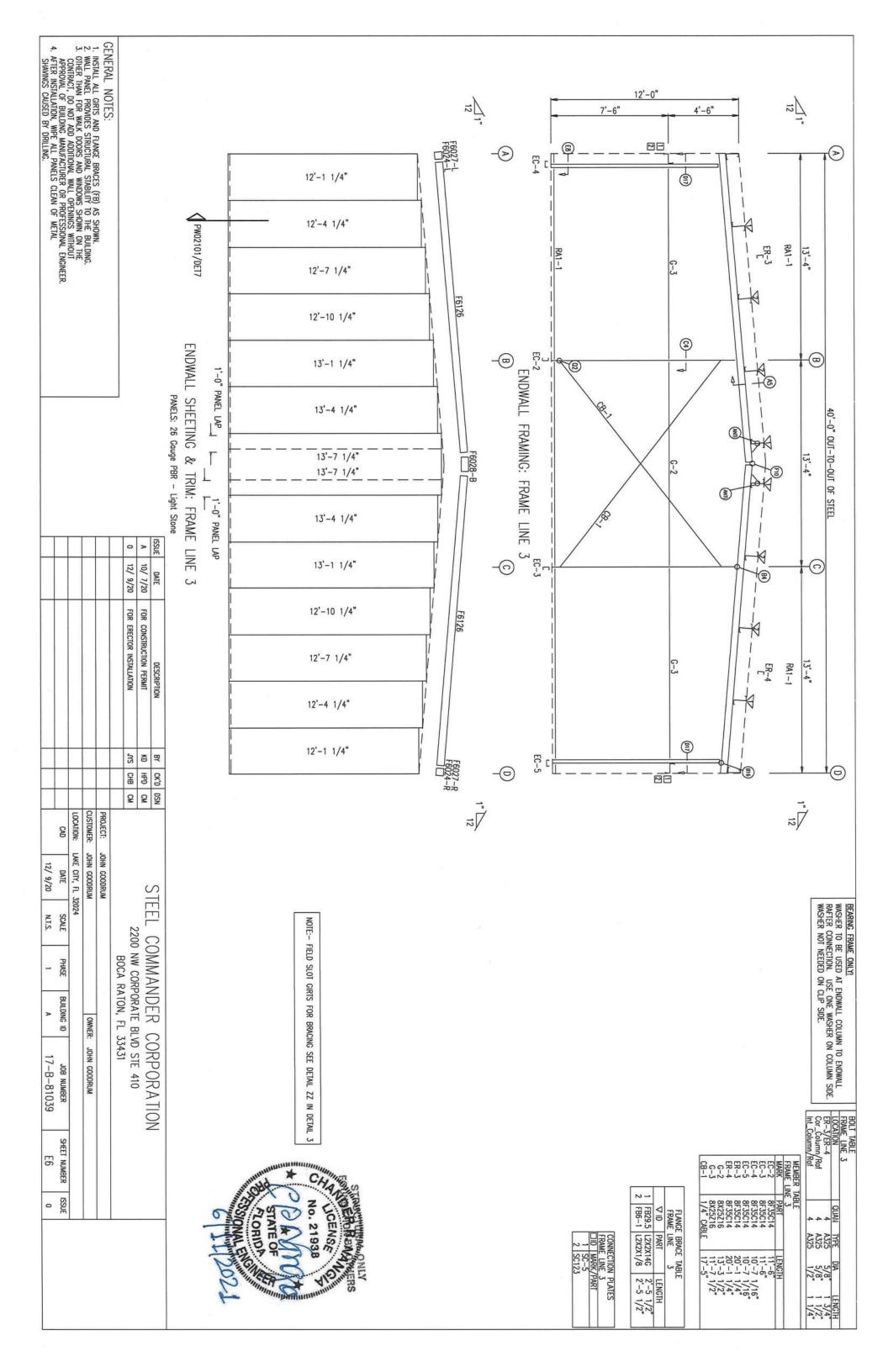


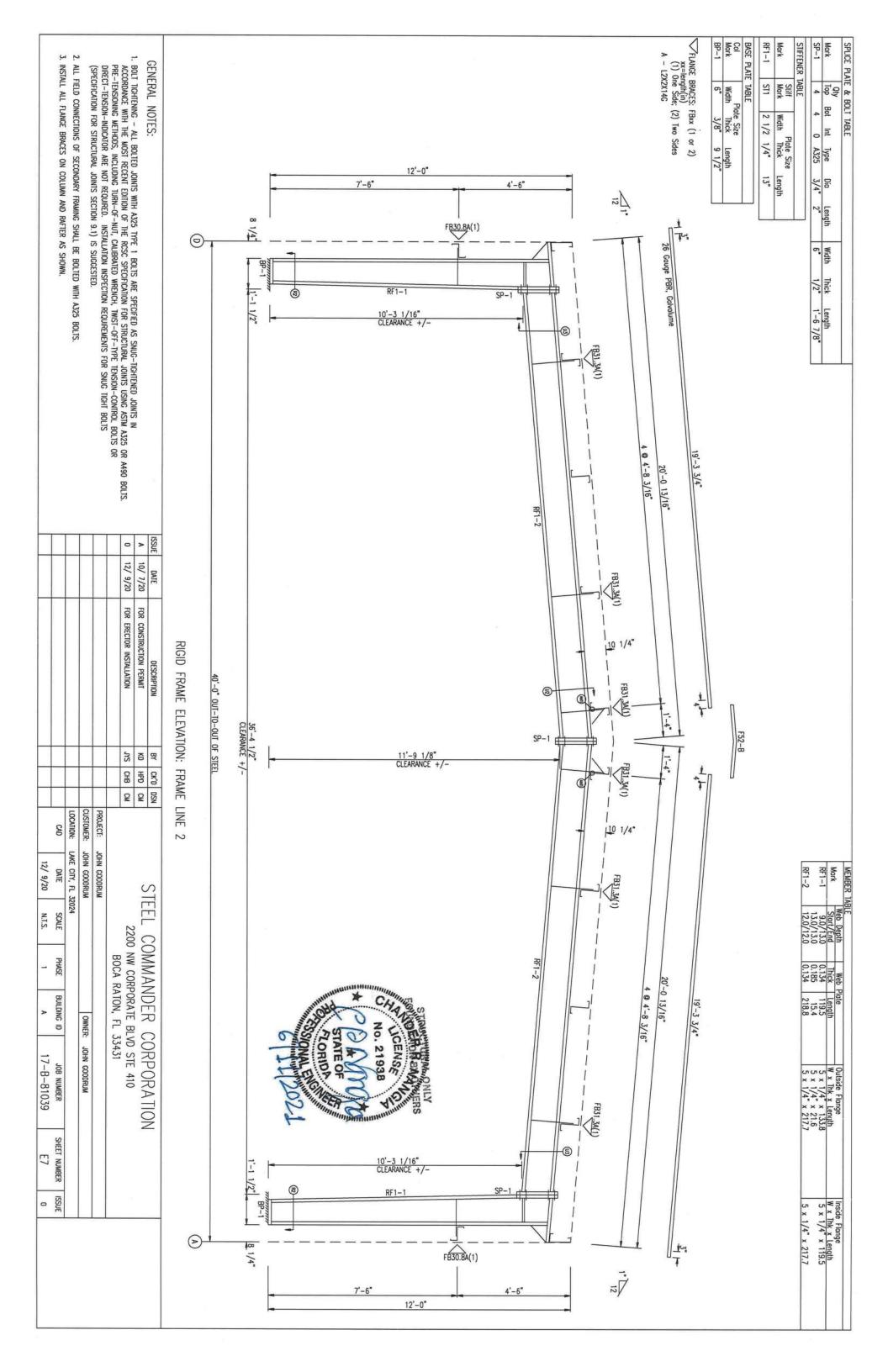


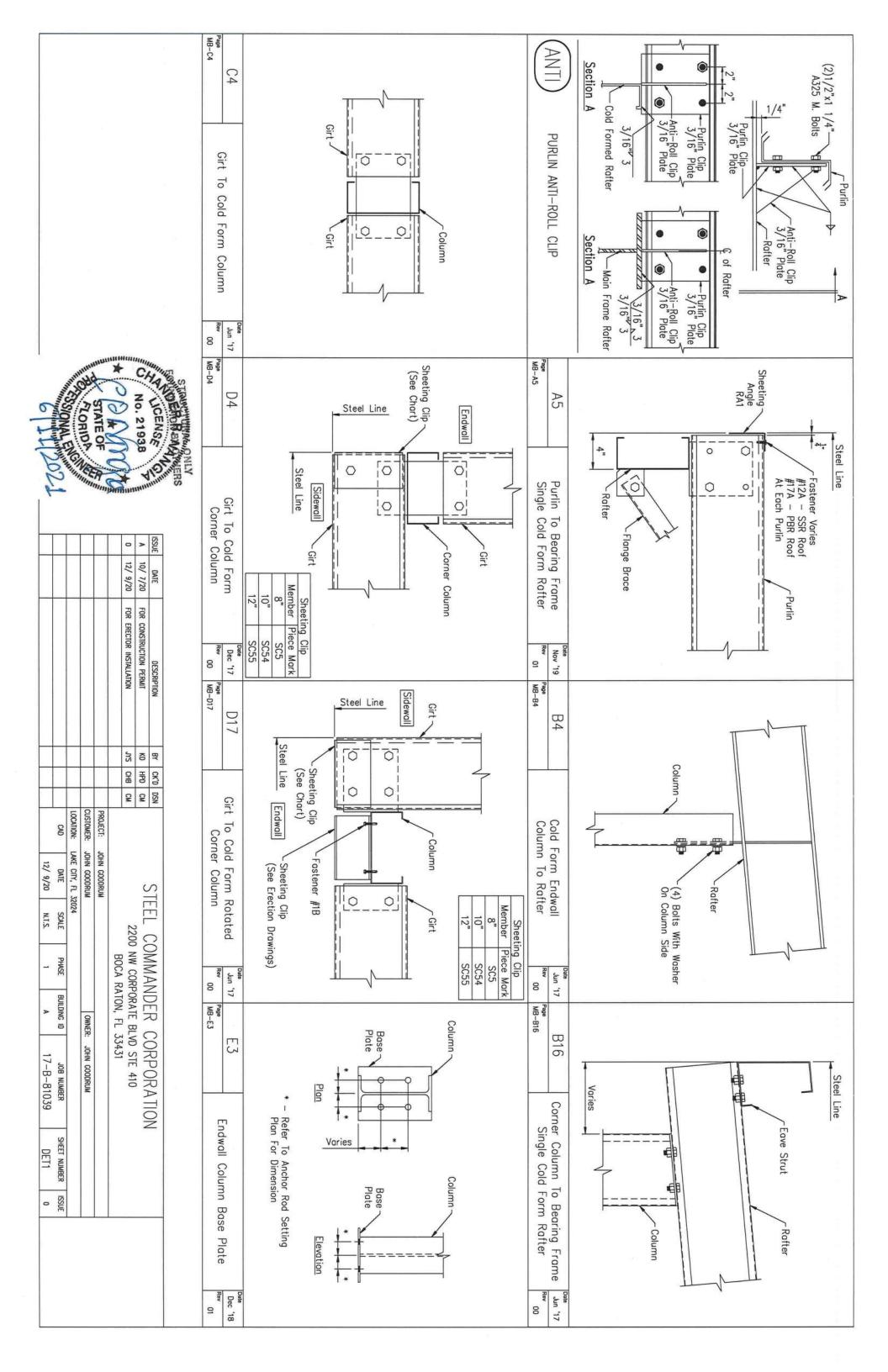


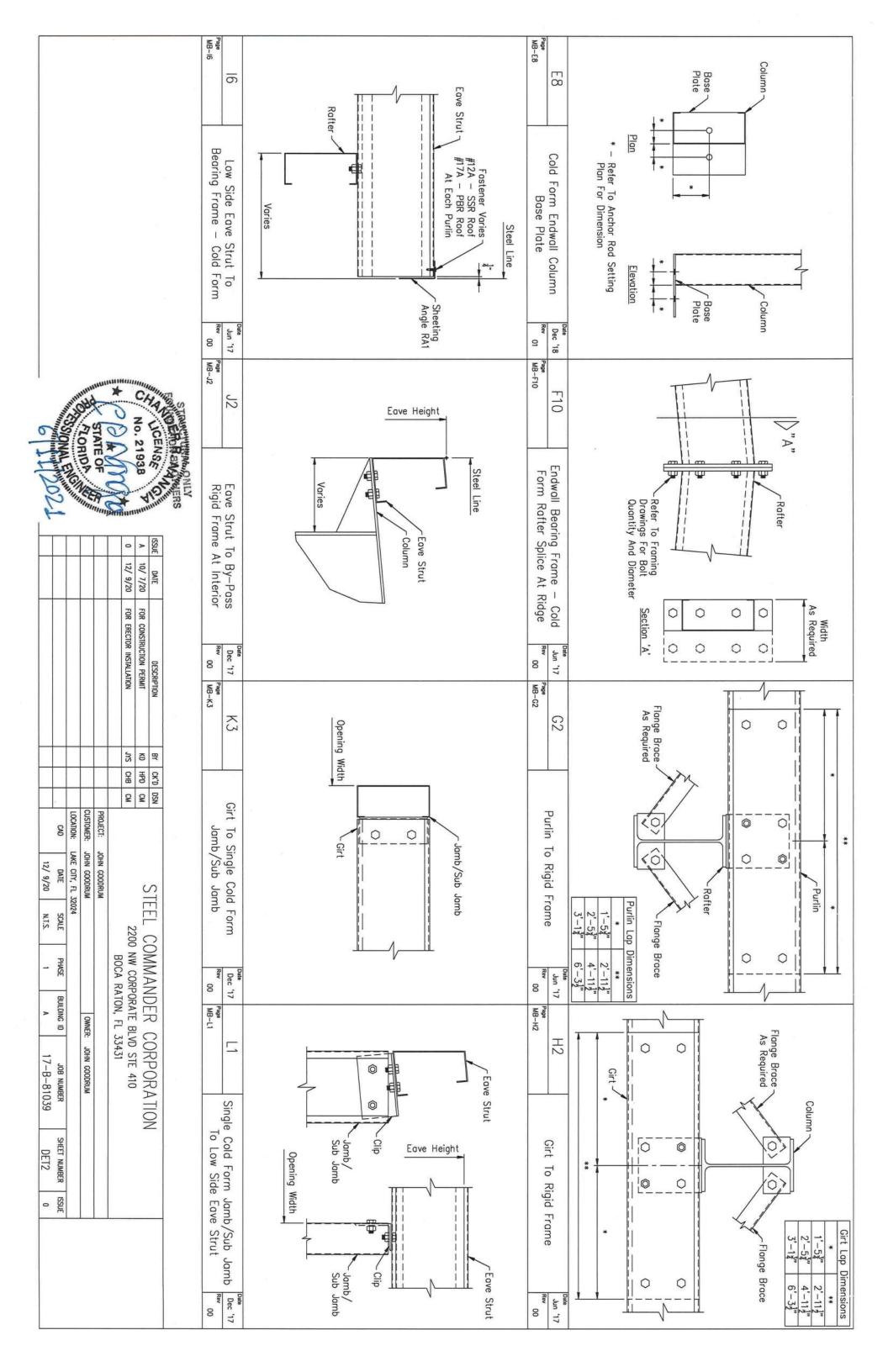


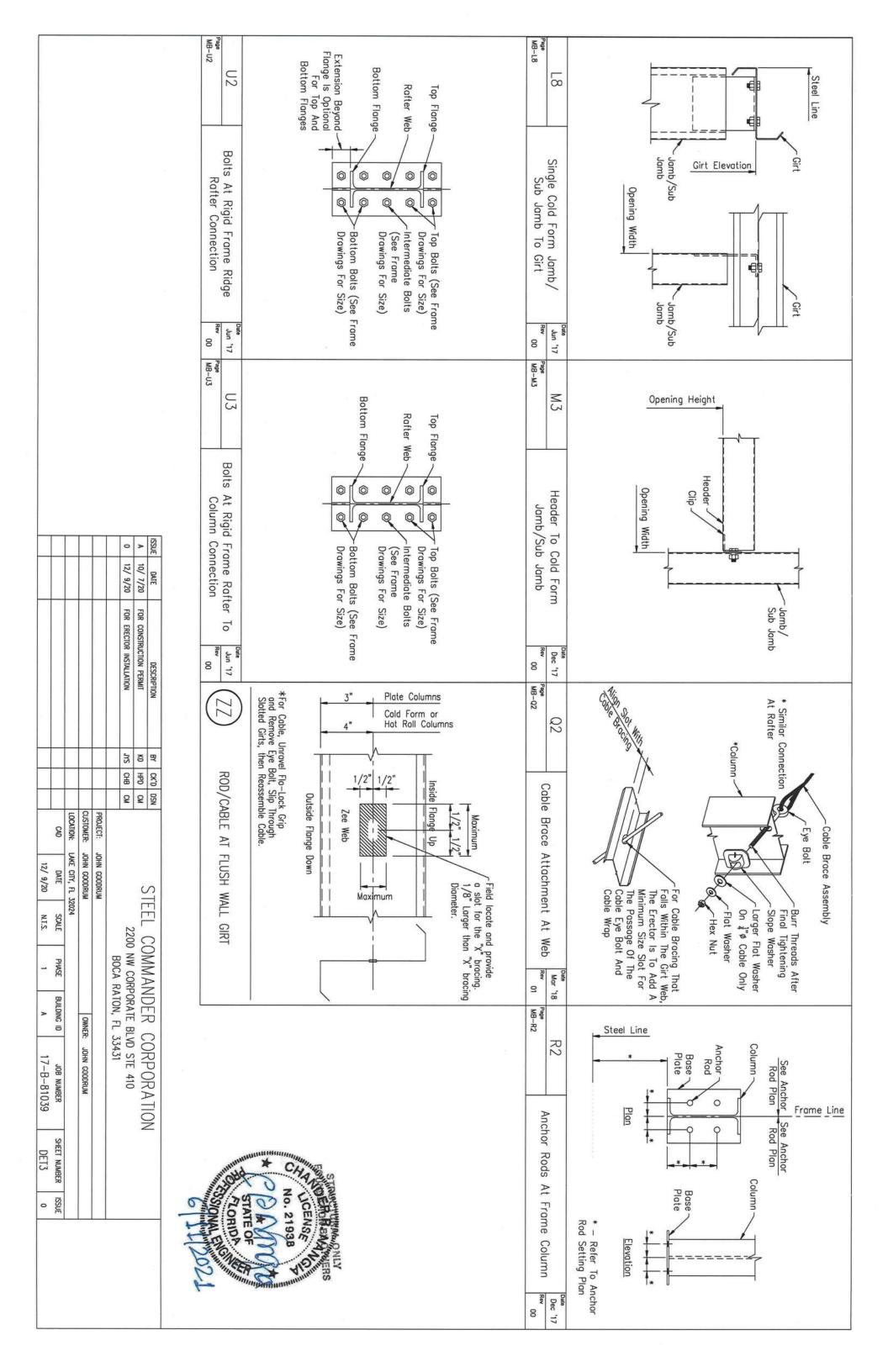


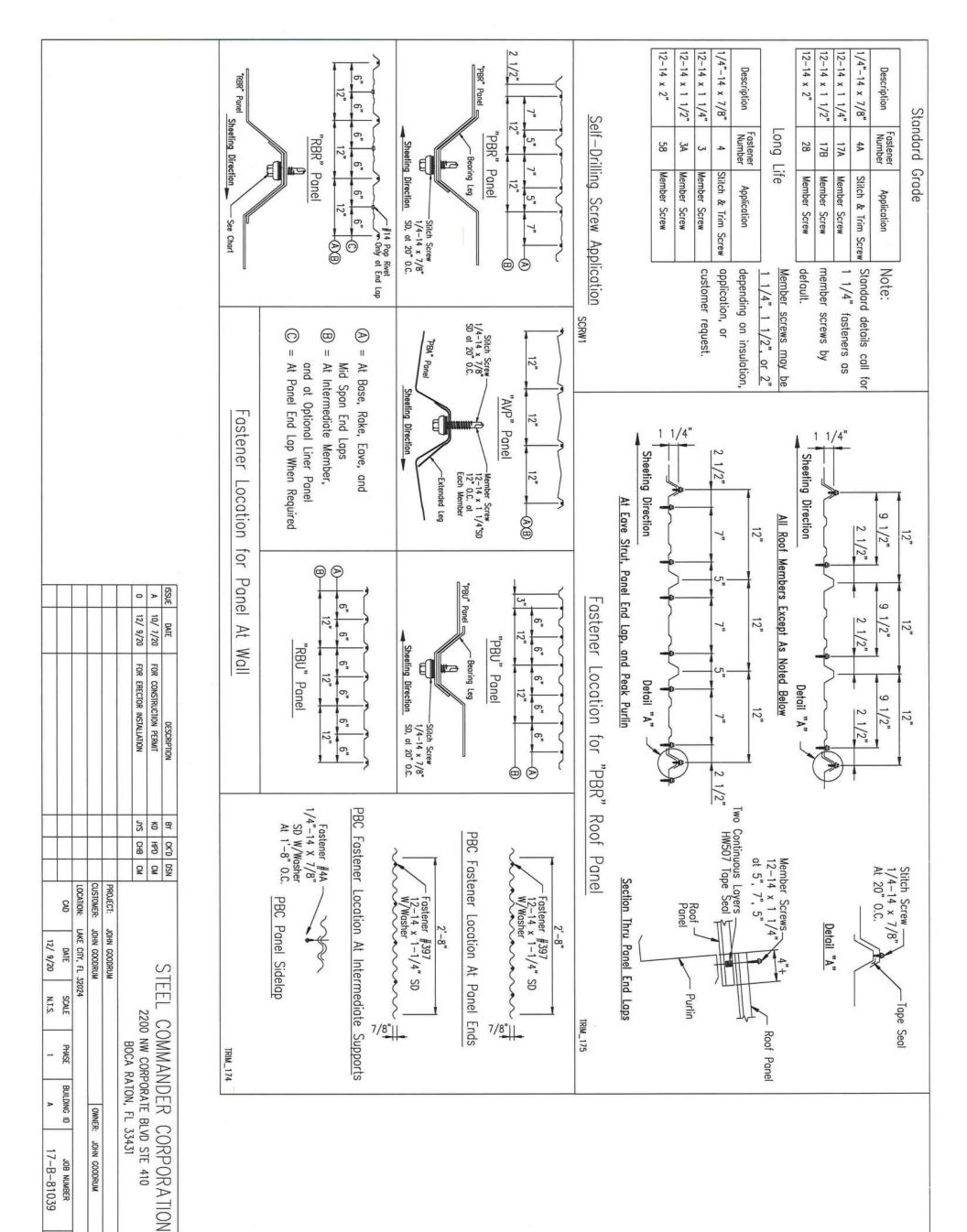








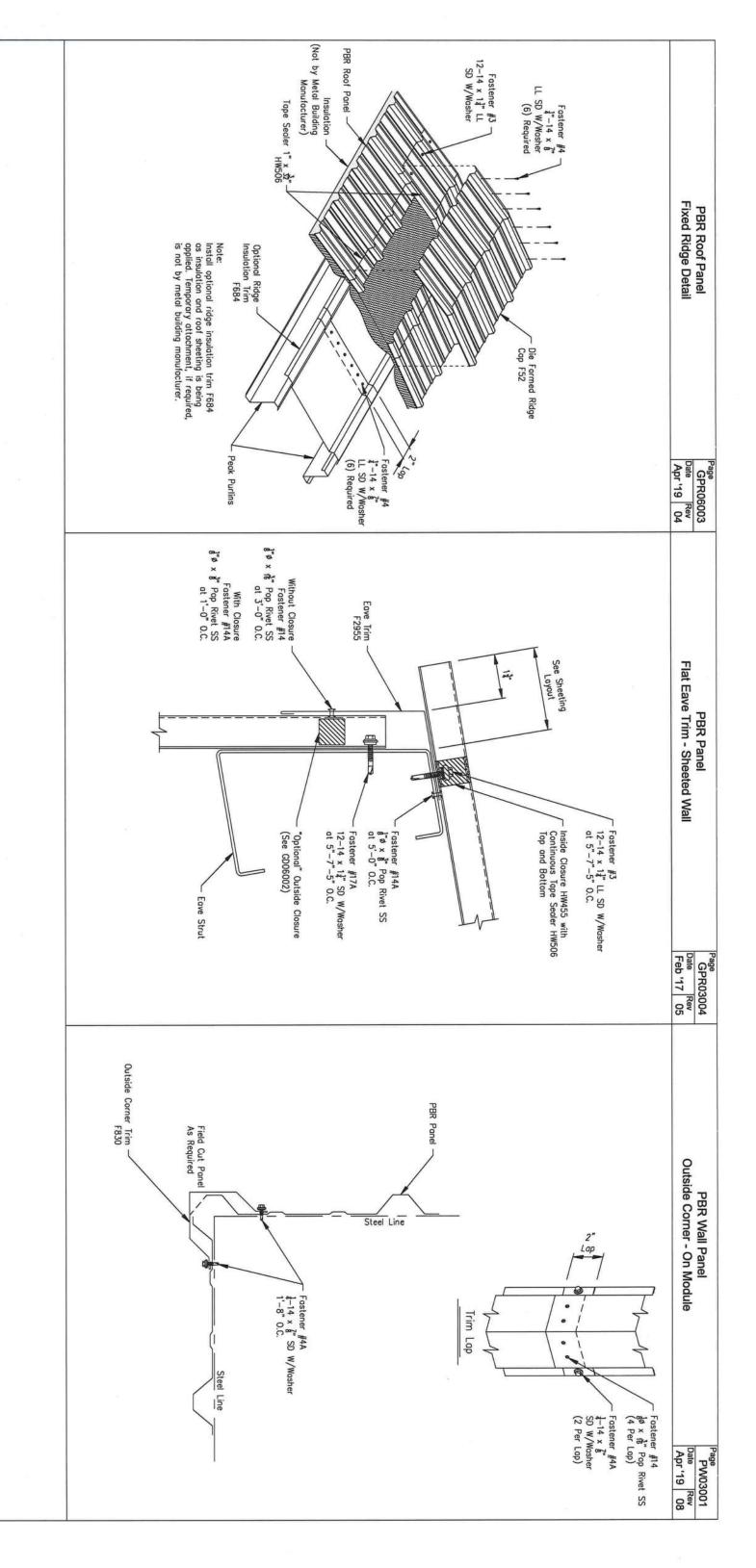






SHEET NUMBER
DET4

O SUPERIOR





ISSUE

DATE

DESCRIPTION

10/ 7/20

FOR CONSTRUCTION PERMIT FOR ERECTOR INSTALLATION

BY CX'D DSN
KD HPD CM
JYS CHB CM

STEEL

COMMANDER CORPORATION

2200 NW CORPORATE BLVD STE 410 BOCA RATON, FL 33431

CUSTOMER:

JOHN GOODRUM

JOHN GOODRUM

LAKE CITY, FL 32024

CAD

DATE 12/ 9/20

SCALE N.T.S.

PHASE

BUILDING ID

17-B-81039

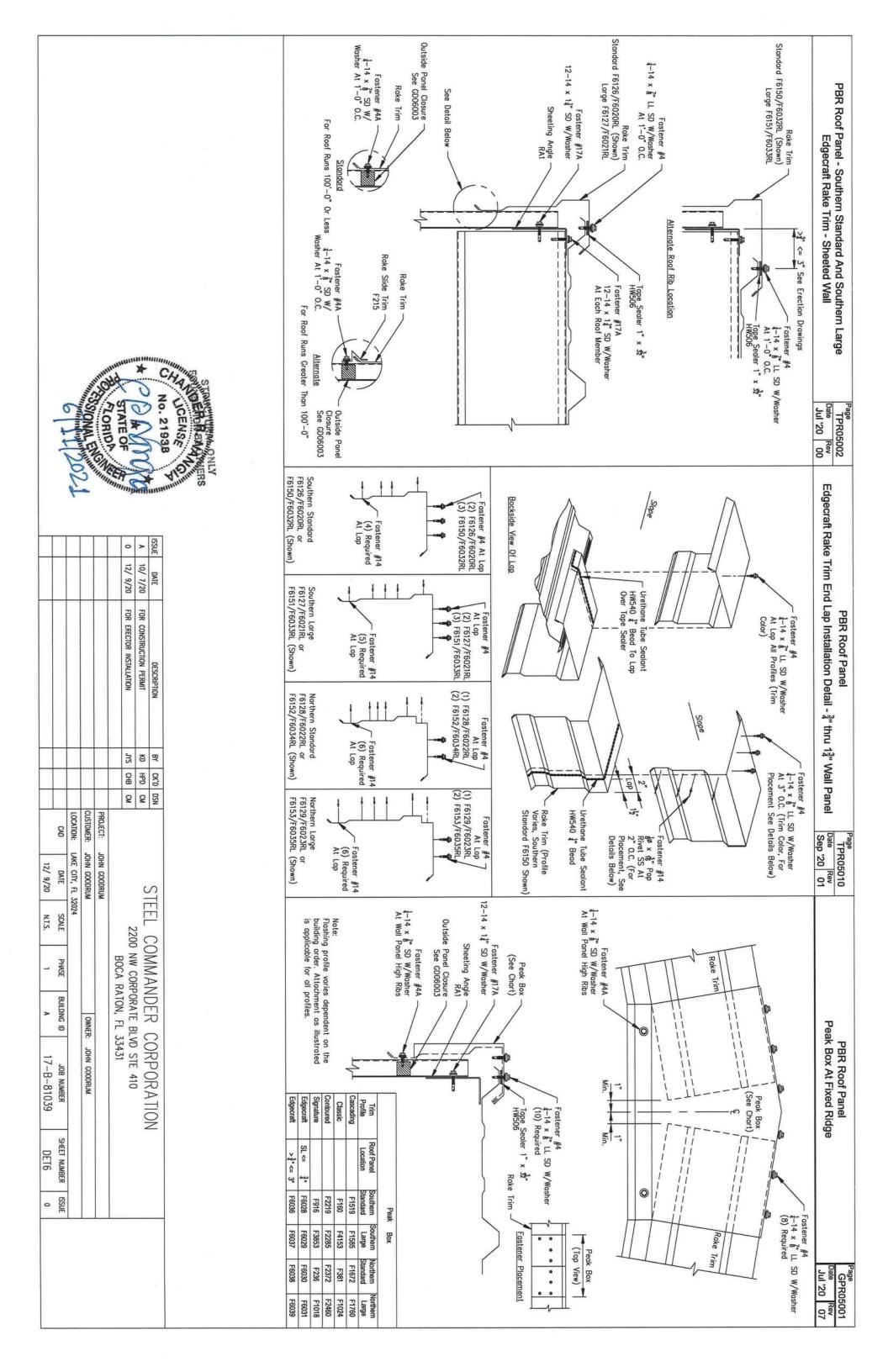
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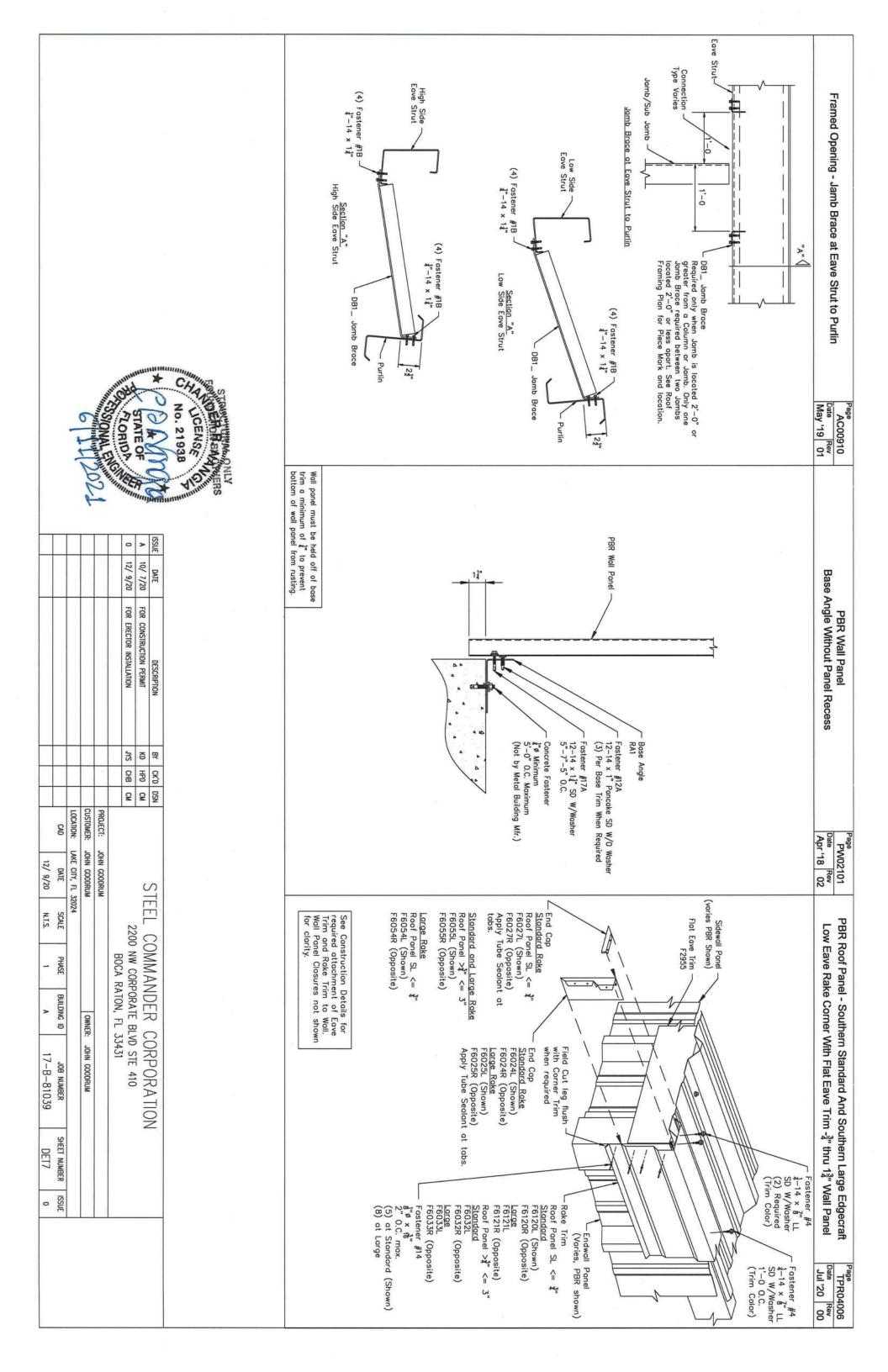
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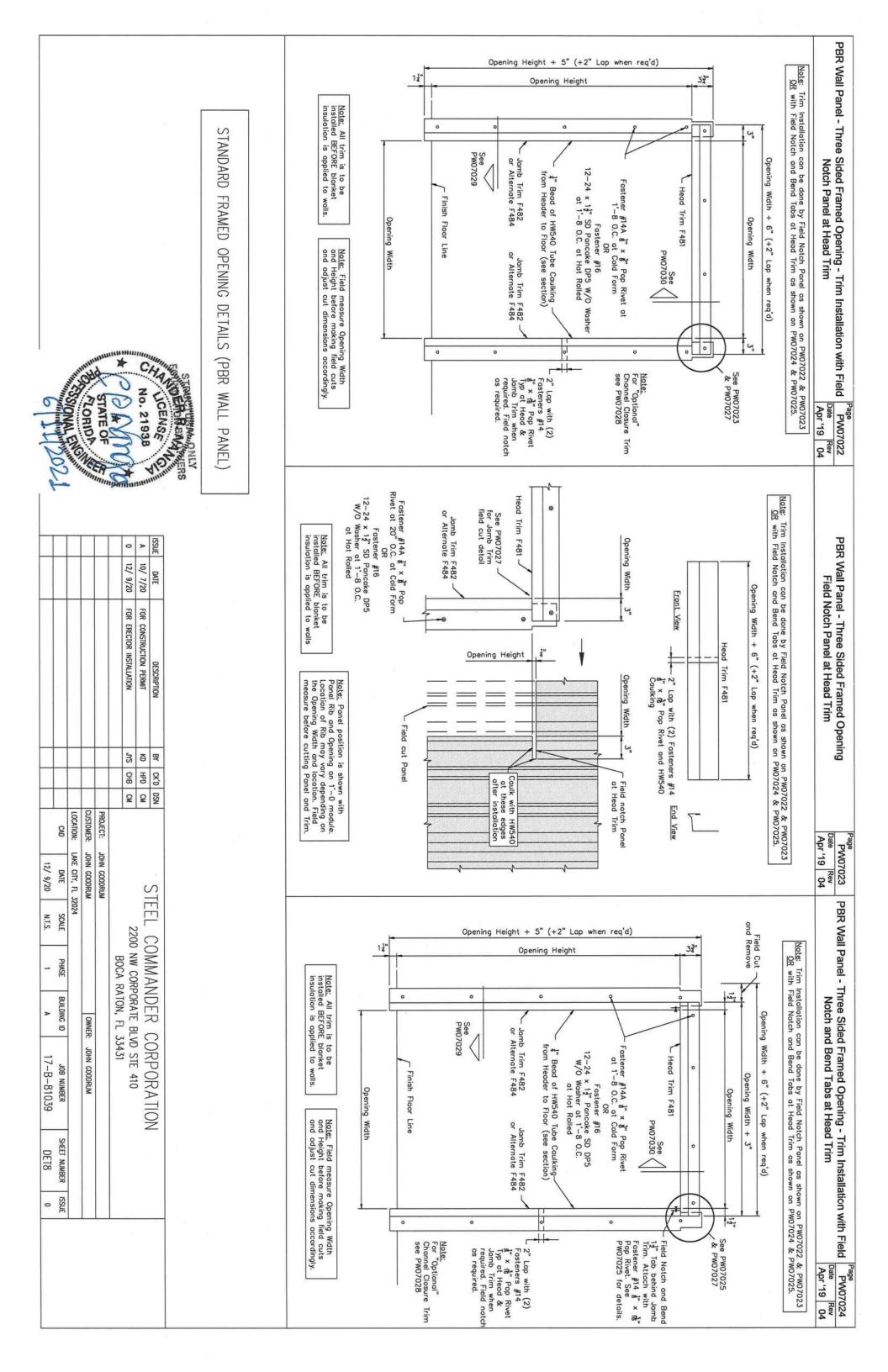
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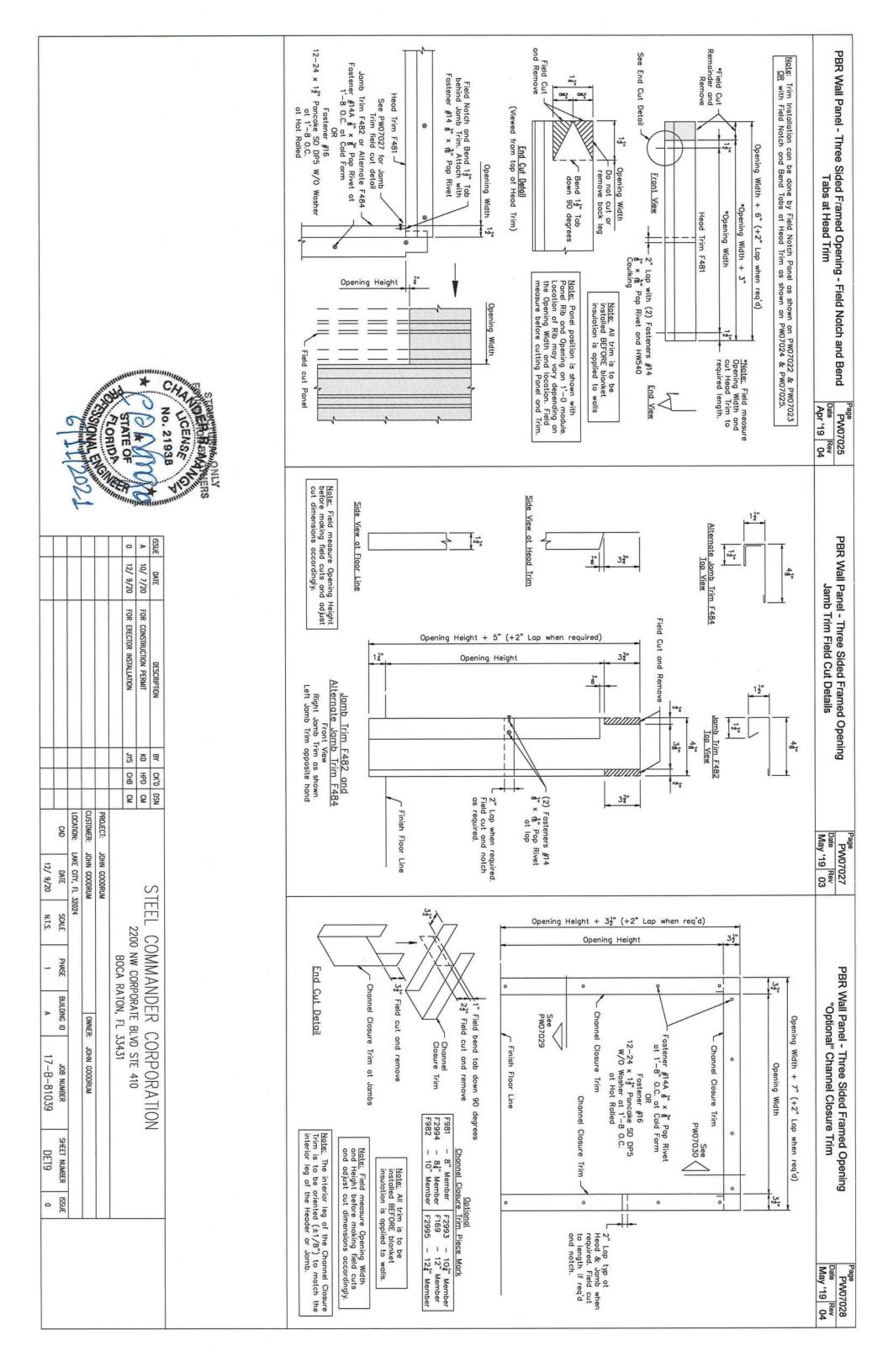
OWNER: JOHN GOODRUM

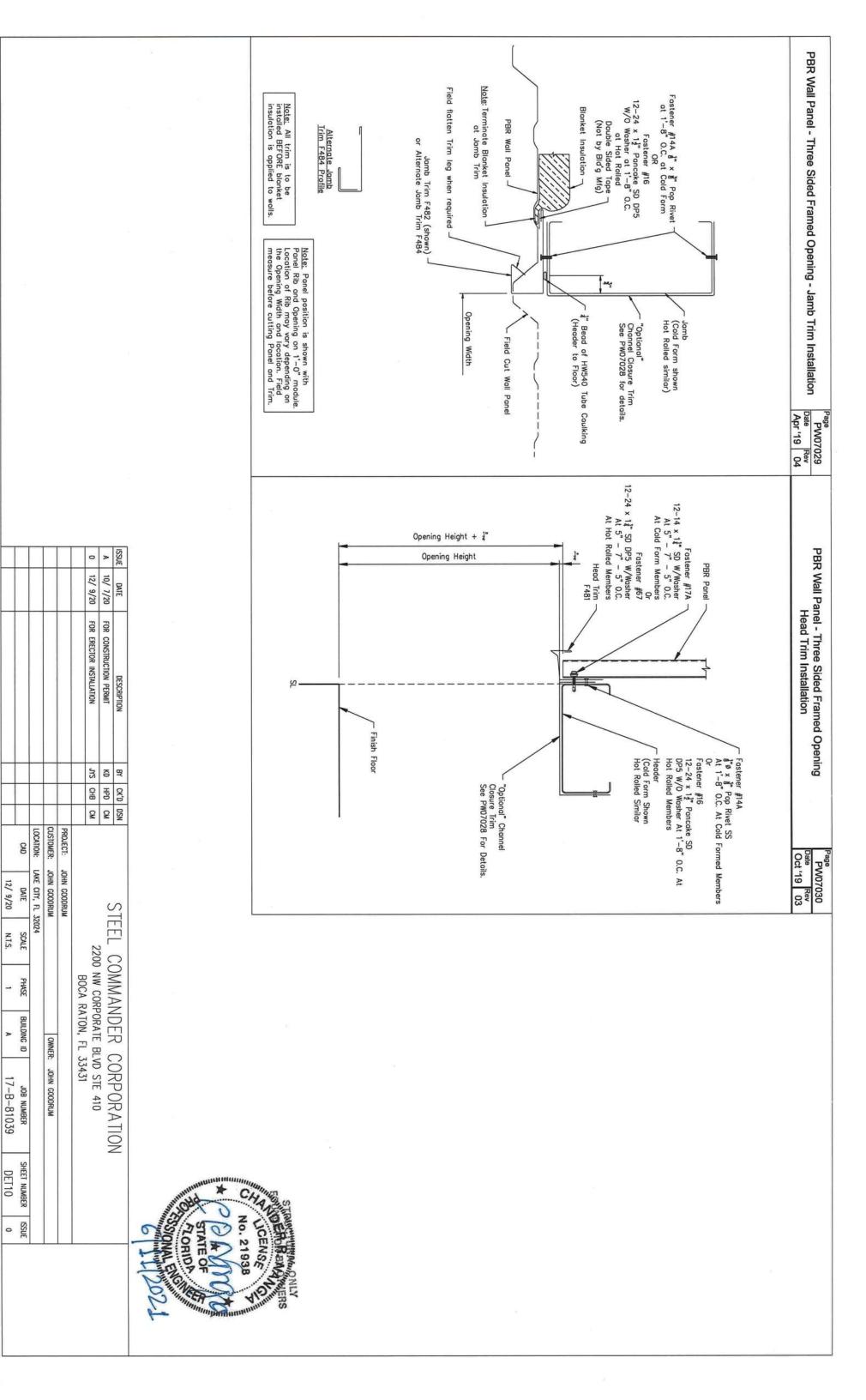
PROJECT:











Field of the Please H Service Procedures

To Give You Prompt Services And Keep Problems To A Minimum, thanked Any Shortages Or Back Onorges in The Following Monner:

Corellary Check Your Pocking Latt White Unlooding, builty The Field:

2. Mark Any Items Which Appear To Be Missing And Notify The Field Service Department At The Number Shown in The Title Block As S As Possible. Calling Someone Else Could Delay The Proper Respons

xoding.
g And Notify The Field
g And Title Block As Soon
in The Proper Response.

NITIAL CLAIM:

In The Event Of An Error, The Customer M

Initial Claim* to The Manufacturer For The

Materials Or Fobrication Error.

The "Initial Claim" Includes: r Must Promptly Make A Written Or Verbol The Correction Of Design, Drofting, Bill Of

Materials Or Fobrication

Materials Or Fobrication

The 'Initial Claim' Includes:

The 'Initial Claim' Includes:

The 'Initial Claim' Includes:

The 'Initial Claim' Includes and Extent Of Proposed Corrective Work,

Including Estimated Mon-Hours.

Materials To Be Perchased From Other Than the Manufacturer, Including Estimates Quantities and Cost.

Makerials To Be Purchased From Other Than the Manufacturer.

Machinem Total Cost Of Proposed Corrective Work And Molerials To Be Purchased From Other Than the Manufacturer.

SHORT MATERIALS.

Immediately Upon Derivery Of Materials, Quantities Are To Be Verified Immediately Upon Derivery Of Materials, Quantities Are To Be Verified Immediately Upon Deriver Agoinst Quantities That Are Billed On The Shipping Decuments He Material Shortoges Are Not Noted On The Shipping Decuments When The Material is Such Shortoges Are Not Noted On The Shipping Decuments When The Material is Derivered And Acknowledged By The Corrier's Agent. If The Corrier Is The Manufacturer, Colmins For Shortoges Are To Be Made By The Customer To The Common Corrier. If The Material Quantities Received Are Correct According To The Quantities Billed On The Shipping Decuments, But Are Less Than The Quantities Billed On The Shipping Decuments, But Are Less Than The Quantities Billed On The Shipping Decuments, But Are Less Than The Quantities Billed On The Material Are Received You To Compete the Metal Building According To The Quantities That Are Not Noted The Shipping Decuments, Claim is To Be Made To The Manufacturer.

DAMAGED OR DEFECTIVE MATERIAL:

Damaged Or Defective Material, Regardess Of The Degree Of Damage, Must be Noted On The Shipping Documents By The Customer And Acknowledged By The Carrier's Agent. The Manufacturer is Not Responsible For Material Damaged in Unitoding Of Fockages Or Nested Materials, Including, But Not Limited To Fosteners, Sheet Metal, "C. And "Z. "Sections And Covering Ponals That Become Wet And/Or Damaged By Water While in The Possession Of Others, Pockaged Or Nested Material That Become: If The Carrier is The Manufacturer, The Customer Mast Make Craim For Damaged Directly To The Manufacturer, The Customer Mast Make Craim For Damaged Directly To The Manufacturer, The Customer Mast Make Craim For Damaged Directly To The Manufacturer, The Customer Mast Make The Common Carrier. The Manufacturer Mast Make The Common Carrier, The Manufacturer Is Not Liable For Any Claim Whatswere Including, But Not Limited To Labor Charges Of Consequential Damages Resulting From Customer's Use Of Damaged Or Defective Materials That Can Be Detected By Visual Inspection.

EXCESSIVE MATERIAL:
The Monufacturer Reserves The Right To Recover
Of Those Required By The Order Documents. OIL CANNING IS NOT A CAUSE FOR REJECTION Any Material Delivered In Excess

Types Of Finishes

SHOP PRIMED SIEL:
MID PRIMED SIEL:
SHOP PRIMED SIEL:
MID Structural Members Of The Metal Building System Not Fabricated Of Corrosion Resistant According Are Pointed With One Coal Of Shop Primer Meeting The Performance Requirements Of SSPC Point Specification Nat.5 The Coal Of Shop Primer is Intended To Protect The Steel Framing For Only A Short Period Of Expasure To Ordinary Atmospheric Conditions. Shop Primed Steel Which Is Stored in The Field Pending Exection Should Be Kept Free Of The Ground And So Positioned As To Marinze Water Holding Packets, Dust, Mud And Other Contomination Of The Primer Film. Repairs Of Damaged to Primed Surfaces And/Or Removal Of Foreign Material Due To Improper Field Storage Of Site Conditions Are Not The Responsibility Of The Manufacturer: The Manufacturer is Not Responsible for Deferoicol Of The Shop Coat Of Primer Or Corrosion That May Result From Exposure To Any field Applied Coaling, Minor Abrosions To The Shop Coat (Including Colvonizing) Coused By Honding, Loading, Shopping, Unloading And Exection After Pointing Or Golvonizing Are Unavoidable. (MBMA 2012, Chapter IV 4.2.4). If Jobsite Covers Are Used, They Should Be Tied Away From The Bundle At Corners To Allow Ar Circulation Around The Bundle. This Will Help Prevent Mosture Expanding From The Cound or Building Floor From Condensing On The Ponets, Plastic Or Other Impermetable Covers Are Not Recommended. Immediate Action is Required If The Ponets Are Found To Be Wet From Any Couse. The Bundles Must Be Opened And Each Panel Un-Stacked And Thoroughly Dried On Both Sides. Re-Stacking The Ponet At A Sight Angle To Each Other To Prevent Nesting Will Allow Art Circulation And Assist In Keeping The Ponet By, In Severe Conditions Large From Con Be Used To Circulate Air Between The Un-Stacked Ponets And Accelerate Dryin, Damage To The ponet Cooling Occurs When Ponets Become Wet And Are Allowed To stoy wet damage Con Occur To Nested Ponets Wilhin 24 to 48 Hours. This Damage Shows Cornesion And Discotoration Of The Ponet Surface And Is Commonly Called Wet Storage Stain, Zinc Oxidation, Or "White Rust".

CALVALUME:
Golvolume I The Trode Name For A Potented Steel Sheet And Coil Product Colvolume I The Trode Name For A Potented Steel Sheet And Coil Product Howing A Cooling Of Corrosion Resistant Aluminum—Zinc Alloy. The Mixture Is Belanced To Obtain The Cooling That Retains The Corrosion Resistance And Heat Reflectivity Of Aluminum And Golvonic Protection Of Zinc. The Best Properties Of Both Aluminum And Zinc Are Combined in This Cooling And Offer Added Service Life For The Building.

Torp

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<u>Pre-Pointed:</u>
Using Golivalume Steel As A Substrate, Pre-Pointed Steel is Given An Additional Using Golivalume Steel As A Substrate, Pre-Pointed Steel is Given An Additional Rust Inhibitor Primer Coal. This Primer Coal Further Increases The Corrosion Resistance. These Coatings Are Applied To The Exterior Surface Of The Ponels: And A Wash Coal Designed Only For Interior Use, is Applied On The Opposite Side. Collecture: And Coating Excellent Service For Many Years If A Fee Rules Coacering Their Care And Maintenance Are Observed. All Of These Finishes Are Equally Subject To Damage And Corrosion When Care Is Not Provided.

A Soltening Of The Point Fam Con Occur With Pra-Pointed Steel Under Wet Strouge Conditions And The Durability Of The Pond Finish Substantially Decrease. Bare Gavanized And Calvalume Panels React More Quickly To Surface Dodotion Since They Lock The Additional Protection Of Point. Zinc Coated Or Calvalume Ponels Under Mornal Exposure Form A Zinc Aluminum Oxide Film On Their Surface Allowing A Sione Oxidation Process Called "Weathering" To Occur That Inhabits Further Corrosion. In Nestated Bundles Coastant Contact Of The Panels With Condensed Or Trapped Water Prevents This Weathering Process.

PAINT AND COATING MAINTENANCE:
Remove Smudge Marks From Bare Galvalume:
Formula 409 Has Proven To Be Somewhol Effective, Lightly Rub With A Clean Cloth And Rinse With Water. Do Not Rub More Than Required To Remove Cloth Stokes. No Product Will Remove All Smudge Marks.
Sand Scrub Without Blacch Has Proven To be Somewhol Effective. Rub With A Solf Scrub Without Blacch Has Proven To be Sonewhol Effective. Rub With A Solf Scrub Without Blacch Has Proven To be Sonewhole Rub Stofin.
Solf Scrub Without Blacch Has Proven To be Sonewhole Rub Stofin.
To Touch-up Scrotches in Point (Yot Bare Metal):
To Touch-up Scrotches in Point (Yot Bare Metal):
To Touch-up Scrotches in Point (Yot Bare Metal):
To Touch-up Scrotches With Mad Detergent. Rinse Thoroughly And Dry.
Using A Small Artist's Bush, Lightly Apply A Minimal Amount Of Color Machael Touch-up Pain Required To Fill/Cover The Scrotch. Contact The Building Manufacturer For Assistance With Ordering/Purchasing Touch-Up Point As Needed.

Ropid Oxidation Of The Zinc or Zinc Aluminum Cooling Con New Occur And May Lead To 'Red Rust' in A Short Time. If Discolaration Or Stoins Are Minor A Household Cleaner Of The Type Used On Proceion Shak and Balthubs May Be Used On Proceion Shak and Balthubs May Be Used To Remove Stoins. Wire Brushing Or Abrasive Materials Should be Avaided Since Scratching Or Removal Of The Cooting Could Occur. Panel With Significant Damage Should Be Replaced By The Buyer Prior To Erection.

Authorization For Corrective Work

Normal Erection Operations Include The Correction of Minor Misfits By Amounts Of Reaming, Chipping, Welding Or Cutting And The Drowing Of Elements Into Line Through The Use Of Drift Pins. Errors That Connact Be Corrected By The Foregoing Menors Or Which Require Major Changes in The Member Configuration Should Be Reported Immediately to The Omer And The Forbictor By The Errors To Enable Whoever is Responsible Either To Correct The Error Or Approve The Most Efficient And Economical Method Of Correction To Be Used By Others (ASC 303-10, Section 7.14), if The Error is The Foult Of The Manufacturer A "Authorization For Corrective Work Must Be Issued In Wiring By The Manufacturer To Authorize The Corrective Work Authorize The Exceed The Manufacturer To Authorize The Authorization For Corrective Work At A Cost Not To Exceed The Manufacturer To Authorize To Authorize To The Be Directed By The Manufacturer In The "Authorization of Corrective Work". Only The Field Service Department May Authorize Corrective Work.

<u>ENAL CLAIM:</u>
The "Final Claim" in Writing Must Be Forwarded By The Customer To Manufacturer Within (10) Boys Of The Completion Of The Corrective Walthorized By The Manufacturer: Work

3

Invoices.

Total Actual Direct Cost Of Corrective Work (Sum Of 1, 2, 3, And 4).

Final Catual Direct Cost of the Customer By the Manufacturer in 'B'
Amount Not To Exceed The Lesser Of The Maximum Total Cost Set Fo
In the "Authorization For Corrective Work" Or The Total Direct Cost Of
Corrective Work. By The Monufacturer, Including Copies Of

9

The Forth

Poid

** IMPORTANT NOTE **

Cost Of Equipment (Rentol Or Depreciation), Small and Profit Are Not Subjected to Claims. Tools, Supervision, Overhead

SHPMENT ARRIVAL TIME: Every £(fort Will be Mode to See That The Cerrier Arrives At The Jobsite On The Every £(fort Will be Mode to See That The Cerrier Arrives At The Jobsite On The Requested Hour. Manufacturer Mokes No Warranty And Accepts No Responsibility For Costs Associated With A Shipment Not Arriving At The Requested Time Unless A Separate Agreement Hos Been Mode in Writing For A Guaranteed Arrival Time.

SIRUCTURAL: A Great Amou Unloaded At T And Handling Inloading, Handling And Storage

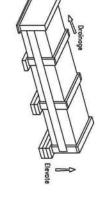
ount Of Time And I The Building Site A g Of Components W d Trouble Can Be Saved If The Building According To A Pre-Arranged Plan. Pl Will Eliminate Unnecessory Handling. Proper I

Marks Are Stenched On The Primary Structural Members At The Lower End, From The End, Inspect All Shipments Prior To Releasing The Tie-downs For That May Hove Shifted During Transit.

REMEMBER SAFETY FIRST.

Blocking Under Columns And Rollers Protect The Splice Plates And The Slob From Blocking Under Columns And Rollers Protects. It Also Facilitates the Placing OI Sings And Cobles Around Members For Later Lifting And Allows Members To Be Boled Together Into Sub-ressembles White On the Ground. Extra Care Should Always Be Exercised in The Unloading Operation to Prevent injuries From Handling Steel And To Prevent Damage To Materials And The Concrete Sub. It Water Is Allowed To Remain For Extended Periods in Bundles OI Primed Ports Sub. As Girts, Purifics, Etc., The Pigment Wall Food And The Proint Will Gradually Solten Reducing Its Bond To The Steet, Therefore, Upon Receipt OI A. Ado, All Bundles OI Primed Ports Should Be Stored At An Angle To Allow Any Trapped Water To Drain Anary And Permit Air Circulation For Drifting-Puddles Of Water Should Not Be Allowed To Collect And Remain On Columns Or Rollers For Some Reason.

The Coat Of Shop Primer is intended to Protect The Steel Froming Only For A Short Period Of Exposure to Ordinary Atmospheric Conditions. The Coat Of Snop Primer Does Not Provide The Uniformity Of Appearance, Or The Durobitty And Corrosion Resistance Of A Field Applied Finish Coat Of Point Over Shop Primer.



Damage From Condensation Or Trapped Water It is Extremely important That The Panels Be Monitored For Evidence Or Trapped Water Or Mositure Condensation White Awaiting Erection. High Humidity Conditions With Temperature Cycling Will Cause Condensation Between Fonels Within The Bundle. Condensation Com Occur Frequently Near The Sea Coast Or Other Large Bodies Of Water. Safety Commitment
The Builder/Contractor is Resp.
Safety Rules And OSHA Standa octor is Responsible OSHA Standards As e For Applying And s Applicable

The Building Manufacturer Has A Commitment To Manufacture Components That Can Be Safely Elected. However The Safely Job Sile Practices Of The Erector Are Beyond The Control Of Manufacturer. e Quality Building Commitment And The Building

It Is Strongly Recommended That Safe Working Conditions Practices Be The Top Priority Of Any Job Site. And Accident Prevention

Local, State And Federal Safety And health Standards, Wh Or Customary, Should Always Be Fallowed To Help Ensure Whether Standard Statuary ire Worker Safety.

Make Sure All Employees Know The Safest And Most Productive Way Of Erecting A Building, Emergency Procedures Should Be Known To All Employees, Daily Meetings Highlighting Safety Procedures Are Also Recommended. The Use OI Hord Hols, Rubber Safe Shoes For Rool Work, Proper Equipment For Handling Material And Safety Nets Where Applicable Are Recommended

For The Purposes Of Determining Lift, Requirements, No Bundle Supplied By The Monufacturer Will Exceed 4,000 Founds, For Further Information Also reference The Bill Of Malerials For Individual Member Weights Of Structural Members, If Additional Information is Required Contact The Field Service Department.

ICE AND SNOW REMOVAL:

Excessive Ice And Snow Removal Should Be Removed From The Roof Immediately To Prevent Domage To Roof And Possible Collapse. Do Not Use Metal Tools To remove The Ice Or Snow As This Can Damage The Paint And/Or Calvalume Coatings. Also Be Careful Around Piges And Flashing's.

Be Extremely Careful If Your Roof Host Light Transmitting Panels. These Panels Will Not Support A Person's Weight And Will Be Difficult Or Impossible To See If They Are Covered With Ice Or Snow. See MBMA Low-Rise Building Systems Monual, Appendix AR For Details for Snow Removal Procedures. These Procedures Should Commence When Half Of The Design Roof Snow Load Is Realized.

DEBBIS REMOVAL:

DEBBIS REMOVAL:

Any Foreign Debtis Such As Sowdust,Dirt, Leoves, Animol Droppings, Etc. Will Any Foreign Debtis Such As Sowdust,Dirt, Leoves, Animol Droppings, Etc. Will Cause Corrosion Of Time. The Roof Should Be Periodically Inspected for Such Conditions And II Found, They Should Be Rectified in A Monner Consistent With These Roof Mointenance Guiddines, Never Allow Treated Lumber Or Concrete/Morto/Coat To Come in Contact With Roof Penels, Especially Galvalume For Extended Periods Of Time.

PERIODIC. INSPECIDIX:
All High-Strength Shoil Be Periodically Be inspected for Tightness. Particularly in All High-Strength Shoil Be Periodically Be inspected for Tightness. Particularly in Crane Buildings And After Seismic Or Wind Activity. The Crane Manufacturer Will Specify A Minimum Period But It Should Not Exceed Two Years.

DRAINAGE:

1. Keep Roof Free Of Debris And Keep Debris Out Of Gutter To Allow Woter
Duickly Drain From The Roof.

2. Do Not Use Wood Blocking To Hold Equipment Off The Ponel Seams. This
Blocks The Flow Of Woter And Hold Moisture.

3. Do Not Allow Rooftop AC Units Or Evoporative Goolers To Drain Onto The
Roof.

4. Anything That Traps Or Holds Moisture On A Roof Will Cause Premoture

2. Inspect And Reseal As Necessary All Roof Curbs Urethane Seciont. And Penetrations

1. Inspect Roof For Damage After Heavy Roof Maintenance Guidelines

Observing All Pertinent

3. Always Get Manufacturer Approval Before Making Roof. Any Modifications 5

4. Repaint Any Areas That Are Susceptible To Rust As Required.

When Performing Roof Maintenance, Always Toke The Following Precautions:
a. Use Fall Protection And Other Solety Protection As Required.
b. Do Not Welk On Roof Floathing Such As Gutter, Roke, Hip Or Ridge Flost.
c. Do Not Welk On Light Transmitting Penels (LTP's). They Will Not Support Person's Weight.
d. Quard All LTP's And Roof Openings.
e. Step Othy in The Powel Flot Directly On Or In Close Proximity To A Supporting Roof Structural.

6. After Other Trades Hove Been On The Roof For Any Reason, Inspect The Roof For Damage Caused By Workers Including Chemical Or Solvent Spills, Scrotches in the Point Or Colvelume Cooling, Excessive Foot Inoffic And Punclures, Moke Sure That All Debris Or Scrop Left Behind By Workers is Removed From The Roof Immediately, Avaid Using Cutoff Sows And Walding Equipment Over The Roof. The Roof Must Adequately Protected.

FOOT IRAFFIC:

Keep Foot Traffic To A Minimum. Heavy Foot Traffic Can Cause Ponding On Low Pitched Roots. This is Particularly frue Just Upstope From The Eave And At Endlaps.

Always Wolk in The Flot Of The Panel Near A Supporting Roof Structural. Do Not Wolk On Trim Or In Carlters.

On Barre Colvalume Roots, Excessive Foot Traffic May Cause Black Burnish Marks. If Regular Foot Traffic is Planned For A Roof, Provisions Should Be Mode For A Properly Designed And Installed Walkary System. In Order To Limit Access 1 The Roof, Roof Halches Or Access Lodders Should Be Locked At All Imnes. A Sign Posted All the Access Site Stating That Only Authorized Personnel Are Allowed On The Roof. In Addition A. Log Book Should Be Kept Of All Visits To The Roof And The Reason For Such Visits.

DISSIMLAR WETALS:

Never Allow Your Road To Come in Contact With, Or Water Runoff From Dissimitor Metal Including But Not Limited To. Copper, Lead or Graphile, This includes Copper And Arsenic Salts Used Lumber, Calcium Used in Concrete, Mortor And Grout. used in Any

Roof And Wall Panels

Manufacturer's Roof And Wall Panels Calvanized, Provide Excellent Service And Erection Personnel Should Fully t Merchandise, Which Merits Coutious C is include Color Coated, Galvalume, And e Under Widely Varied Conditions. All Unloading y Understand That These Panels Are Quality Care And Handling.

Of Workmonship in Steel Construction Practices And Handling Methods The Construction Of The Metal Building Con Significantly Affect The And Performance Of The Building Panets. Panel Damage During Con Be The Result Of Faulty Installation Methods And/or

Wall Panel Damage During Construction

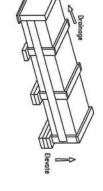
UNDER NO CRECUMSTANCES SHOULD PANELS BE HANDLED ROUGHLY Prockages Of Sheets Should Be Lifted Off The Truck With Extreme Core Token To Ensure That to Damage Occurs To Ends of The Sheets Or to Side Rbs. The Peckages Should Be Stored Off The Ground Sufficiently High To Allow Air Circulation Undernacht The Peckages. This Avoids Ground Moisture And Deters People From Wiking On The Peckages. One End Off The Peckages Should Be Elevated To Encourage Drainage in Case Of Rain. The Monufacturer Exercises Caution During Fobrication An Shipping Operations To Ensure That All Ponel Stock is Kap! Dry. However Dure to Climital Conditions, Water Formed By Condensation Off Humid Air Become Tropped Between Sheets, Water Can Also Be Tropped Setween The Stocked Sheets Wither Exposed To Rain, This May Discolarotific File Steven The Stocked Sheets With Exposed To Rain, This May Discolarotific Caused By Trapped Moisture. The Storin is Usually Superficial And Has Little Effect On The Appendence Or Service Life of The Ponels As Long As It Not Permitted On The Ponel An Extended Period Can Severely Altock The Frish And Reduce The Effective Service Life. See R1-07 Titled **Oamage From Condensation Or Tropped Water*. Overdriven Fasteners Cause Indentations Or Shallow Pockets in The Panel Around The Fastener Head. Rain Water Or Condensation Moisture Combined With Almagaheric Poulutonts (principally Sulfur Boxides) And Oth Particles Callect in These Pockets. The Combination Of Pollutonts And Water Creates Acid Solutions That Will Cause Corrosion Damage To The Ponel And Fastener, Rain May Wash Some Pollutonts Anoy, But Moisture in Form Of High Humidity Con Keep These Areas Wet And Continue The Problem. Overdriving The Fastener Also Forces The Seeling Washer From Under The Head Creating A Leak At This Point. Proper Torque Adjustment Of The Screw Guin Or Preferably The Use Of A Depth Cauge Will Eliminate The Problem Of Overdriven Fasteners.

It is Extremely Important That All Drill Showings From The Installation Of Panel Fasteness And Fillings From The Saw Cutting Of Panels See Removed From The Panel Surface Corrosion Can Occur in A Matter Of Hours When These Showings Of Fillings Are Not Removed And Are in Contact With Water Or Condensed Moisture. When Panels Are Pre-Drilled Or Cut In The Stack Prof to Erection All Showings Water Be Cleaned From Both Sides Of The Panel To Prevent Corrosion Of The Panel By These Pariets. It is Impercisive That The Roof Be Swept Clean At Loads Daily And Certainly At Job Completion. The Final Cleaning Of The Roof Should Be Dane Prior To Installing The Gutter So That The Showings Are Not Deposited Into The Cutter And Left To Corrode. Any Other Foreign Objects Or Debris Left By Construction Personnel Should Also Be Removed From The Roof During The Erection Of The Roof And The Installation Of Such Equipment As Ar Condition Units, Etc..

CANTION:
Core Should Always Be Token When Welking On Panels. Use Safety Lines And Net
Core Should Always Be Token When Welking On Panels. Use Safety Lines And Net
When Necessary, Panels Are Sippery, Wipe Dry Any Moisture Or Surface Material
That Hos Puddle From Bundles Stored On A Stope, Dew, Frost, Or Other Forms O
Moisture Creatly Increase The Stopperiness Of The Panels A. Harpys Assume Ponel
Surface is Sippery And Act Accordingly. Never Work Of Step On Styrights Or
Transducent Panels.

Wood Blocking To Elevate And Slope The Panels in A Manner That Allows sture To Drain. Wood Blocking Placed Between Bundes Will Provide Additional Corculation. When Handling Or Uncroling The Panels, Lift Rather Than Side Toroutour. Burred Edges May Scratch The Coaled Surfaces When Sheets Are Over One Another. Never Allow Panels To Be Walted On White On The Ground.

Personnel Walking On The Panel Can Cause Damage. Workmen Should Step Or Walk in The Broad Flat Areas Of The Panel And Avoid Stepping On The Panel Ends And Edges Which Can Be Beat By Careless Handing. If This Damage is Sewere, The Edges Must Be Stroighten Prior To Erection Since The Appearance And/or Weather Tightness Of The Panel Could Be Affected. Dragging One Panel Across Another Can Cut Or Abroade The Cooling Causing Unsightly Marks On The Panel Surface.



Leoving Dirt Päed Agoinst The Exterior Wall Ponels At The Foundation Will Cause Panel Bornage. This Dirt May Be Wat Or At Least Contain Some Moisture. Mud May Hove Spacished Onto The Well During Construction. Corrosion Damoge May Occur Where This Dirt Or Mud Contacts The Panel. In Areas Where Lime Stabilization Of The Soal is Required, Corrosion Damoge From The Soal's Content Will Be Accelerated And Most Likely Be Sarvere. All Dirt Must Be Removad From The Panel Walls At The Time Of Completion Of Work. Pre-Pointed Panels May Require Touch-up If The Coating Hos Been Damoged During Handling Or Erection.

The Appearance Of The Building May Be Affected If Damoged Spots Or Scrotches Are Located in Highly Visible Places Such As Around Doors, Windows, Etc.. If Damoge is Extensive Then Replacement Of The Entire Panel Should Be Considered.

Attempts To Damage And

Erect Panels During Windy Conditions Should Be Avoided To Prevent Of Safety Considerations.

Never Step On Light Transmitting P. (LTP's) Or Unattended Roof Panels ep On Light Transmitting Panels



Panels May Collapse
If Not Properly Secured

s Must Be Completely Attached To The Purlins And To Panels On Either They Can Be A Sofe Walking Surface. Light Transmitting Panels LTP's) Panels Can Never Be Considered As A Walking Surface.

Partially Attached Or Unattached Panels Should Never Be Walked On!

Do Not:

1. Step On Rib At Edge Of Panel.

2. Step Near Crease In Rib At Edge Of Panel.

3. Step Within 5 Feet Of Edge On Unsecured Panel.

A Single Rool Panel Must Never Be Used As A Work Platform. An OSHA Approved Runway Should Be Used For Work Platforms. (Consult OSHA Safety And Health Regulations For The Construction Industry). Safety First!

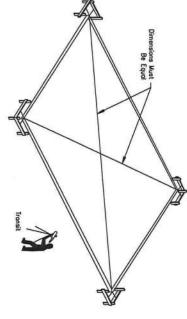


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To Determine That The Foundation is Square, Measure Diagonal Dimensions To Be Sure They Are Of Equal Length.

To Determine That The Foundation is Level, Set Up A Transit Or Level And Use A Level Rod To Obtain The Elevation At All Columns. Corebilly Check The Location Of All Anchor Rods Against The Anchor Rod Satting Plan Fundation By The Manufacturer, All Dimensions Must Be Identical To Assure A Proper Start-up.

Building Anchorage



Pre-Erection Notes:

The Following Notes, Procedures And Suggested Record The Pre-Erection Process. dotions Are Important Ports

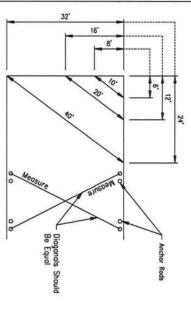
Prior To The Time The Erection Crew Arrives, A Responsible Person Should Check The Job Site For Foundation Readiness, Square, And Accuracy And Anchor Rod Size And Location.

Sheeting Notch (See Anchor Rod Plan)

Projection Of Anchor Rods (D) Given On Anchor Rod Plan

Form Board

The Drawing Shown Below Indicates A Method Which May Be Used To Check The Foundation And Bolts For Square.



Measure Along Adjacent Sides Of Foundation Using A Pair Of Dimensions Shown. I The Diagonal Distance Between These Points is As Noted, The Corner is Square. Diagonal Measurements Between Opposite Anchor Rods Will Indicate If These Bolts Are Set Square.

AISC Code Of Standard Practice For Steel Building And Bridges Tolerances For Setting Anchor Rods

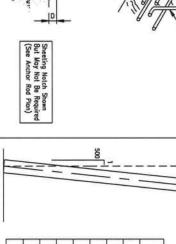
A, B, And C Given On Anchor Rod Plan

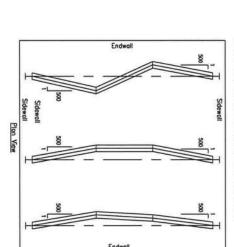
Anchor Rod Diometer, Inches (mm) 7 and 6 (19 And 22 mm)
1, 14, 14 (25, 31, 38 mm)
17, 2, 24 (44, 50, 63 mm)

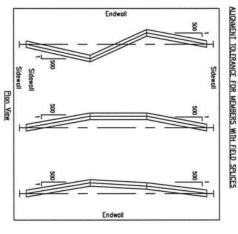
Specified Column Centerline

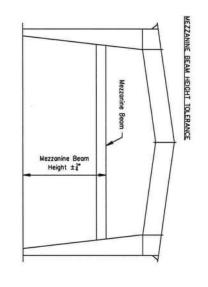
Steel Line

Sheeting Notch (See Anchor Rod Plan) It is Extremely Important That Anchor Rods Are Placed Accurately And in Accordance With The Anchor Rod Satting Plan. All Anchor Rods Should Be Accordance With The Anchor Rod Satting Plan. All Anchor Rods Should Be Held In Place With A Template for Similar Means, So That They Will Remote Plants And In Correct Location During The Placement Of The Concrete. A Final Check Should Be Mode After Completion Of The Concrete Wick And Prior To The Steel Installation, This Will Allow Accessory Corrections To Be Mode Before Costly Installation Lobor And Equipment Arrives. Form Board Template -





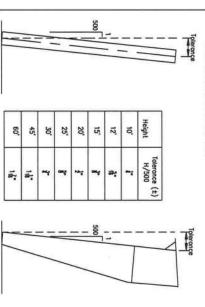




Erection Tolerances

ERECTION BANCING.
It is The Responsibility Of The Erector To Determine, Furnish And Install All femporary Supports Such As Temporary Guys, Beams, Folsework, Chibbing, Or Other Elements Required For The Exection Operation (In Accordance With Section 7.10.3. 01 ANS/AISC 303, Code Of Standard Practice For Steel Building And Bridges).

COLUMN ALIGNMENT TOLERANCES



Fastener Installation

Derdrine Fosteners.

A Sight Echnoson Of Reoprene Around The Woother is A Good Visual Tightness Check. Always A Sight Echnoson Of to Install Fosteners. A Fostener Driner (Screw Can) With A RPW Of 1700-2000. Should Be Used For Self-Politing Screws. A 500-500 RPM fostener Driner Should Be Used For Self-Topping Screws. Discord Worn Sockets, These Can Cause The Fostener To Webble During Installation. Carrect Fastener Installation is One Of The Most Critical Steps When Installing Roof/Wall Points, Drive The Fastener in Unit It is Tight And The Washer is Firmly Seated. Do Not

<u>Note:</u> Always Remove Metal Filings From Surface Of Panels At The End Of Each Work Period. Rusting Filings Con Destroy The Paint Finish And Void Any Warronty.



Tape And Tube Sealant

Proper Tope And Tube Sedont Application is Critical To The Weather Trightness Of A Building, Tope Sedont Should Not Be Stretched When Instilled. Apply only To Clean, Dry Surfaces, Keep Only Enough Sedonts on The Roof That Can Be Installed in A Day, During Warm Weather, Store Sedonts in A Cool Dry Place. During Cold Weather (below 60°) Sedonts Sedonts in A Cool Dry Place. During Cold Weather (below 60°) Sedonts Must Be Kept Warm (60°–90°) Julià Application. After Tope Sedont Hos Bern Applied, Keep Protective Paper in Place Until Panel is Roody To Be Installed.

Important Note

It is Emphasized That The Manufacturer is Only A Manufacturer Of Metal Building Components And is Not Engaged in The Installation Of Its Products. Opinions Expressed By The Manufacturer About Installation Practices Noted in The Eraction Guide Are Intended To Represent Only A Guide. Both The Quality And Shelty Of Installation And The Ultimate Customer Solislaction With The Completed Building Are Determed By The Experience, Expertise, And Salis Of The Installation Cress, As Well As The Equipment Available For Handling The Materials, Actual Installation, Operations, Techniques And Site Conditions Are Beyond The Manufacturers Control. All Delois, Recommendations And Suggestions Contioned in This Erection Guide Of This Drowings Set Are For General Guidelines Chip, And Not Meant To Be All—Inclusive, Industry Accepted Institution Practices With Regard To All Areas Not Specifically Discussed in This Section Should Be Followed, Only Experienced, Knowledgepuble Installers Formition With Accepted Practices Should Be Used To Assure A Quality Project.

Date R2 Sep '17 09

ANCHOR ROD SETTING TOLERANCES

Horizontal Variations Vary Depending On Anchor Rod Diameter. See Above

BASE PLATE AND ANCHOR ROD TOLERANCES

±3* (±13 mm

General Erection Notes

All Structural Framing Members, Purins, Girls, Cips, Flange Broces, Bolts, Brocing Systems, Roof And Woll Panels, Etc. Must Be Installed As Shown On Erection Browings.

It is Extremely Important, Especially During Constr Eaves, Rakes And Ridges Be Kept Secure. uction, That Panels At The

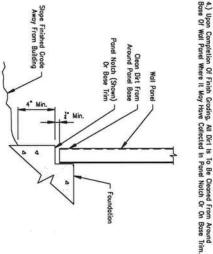
Panel Cautions And Notes

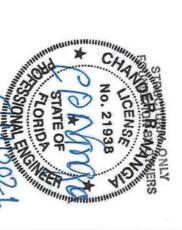
To Minimize Potential Of Corrosive Action At The Bottom Edge Of Wall Panels, The Contractor Must Assure That The Following Procedures Are Followed:

The Concrete Foundation Should Be Cured For A Minimum Of Seven (7) Days Before Wal Pondes Are Installed, (Uncured Concrete is Highly Alacine And Helpl Ponds Con Undergo Varying Degrees Of Corrosive Atlack When in Direct Contact With The Concrete) After The First Week Of The Curing Cycle, The Reaction Between Metallic Contings On Steel And The Concrete is Essentially Halted.

Top Of Finish Grode At Building To Be A Minimum Bottom Of Panel. Of Four (4) Inches Below

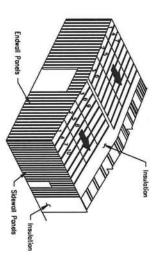
3.) Finish Grade Is To Slape Away From Building To Ensure Proper Drainage.





PBR Roof Panels

For PBR Roois With Ridge Ponels, It is Recommended That Both Sides Of The Ridge Be Sheeted Smultaneously. This Will Keep The Insulation Covered For The Maximum Amount Of Time And The Panel Rids Can Be Kept In Proper Alignment For The Ridge Fonel. This is Critical On The PBR Panels So That The Ridge Cops Can Be Properly Installed. Check For Proper Coverage As The Sheeting Progresses



nstell The First Run OI Roof Ponels Across The Building From Eove To Eove OrCover To Ridge. To Allow Proper Installation Of The Rode Firm, The Storting
coolion for the First Ponel Must Be As Shown in The Rode beliats included With
the Erection Drawings. When The First Run is Properly uccomed And Aligned With
The Correct Endips And Eove Overhangs, Fosten To Purlins. Roof Ponels Should
be Installed So That The Steldop is in A Direction Away From Prevailing Wind.
teller To Appropriate Lop Details Included With The Erection Drawings.

moining Roof Insulation And Panels. To Avoid Accumulative Error Due To erage Gain Or Loss, Properly Align Each Panel Before It is Fastened. He Checks Should Be Mode To Ensure That Correct Panel Coverage Is d. Special Attention Should Be Given To Fastener, Seciont and Clasure ents. Refer To Details included With The Erection Drawings.

At Finishing End Of Roof, The Last panels May Require Field Modification For Installation Of Roke Trim. Refer To Roke Details Included With The Erection Drawings. DO NOT BACK LAP IHROUGH FASTENED ROOF PANELS. <u>IOTE:</u> Roof Types And installation Requirements Will Vary, Refer To The uppropriate Details For Specific Panel Used.

<u>MPORTANT</u>: Loase Fasteners, Blind Rivets, Drill shavings, Etc., Must Be Removed rom The Roof To Guard Against Corrosion.

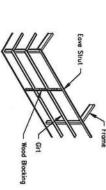
Wall Panels

Proper Horizontal And Vertical Alignment OI Supporting Structure (Girts Or Other Framing) is The Responsibility Of The Installer, Falure To Align The Secondary members Properly Prior To Wall Installation Con Hove A Direct Impact On The Final Appearance And Performance Of The Installed Wall System For Which The Weta Building Manufacturer is Not Responsible.

velore Installing Wall Panels, The Girts Must Be Aligned To A Level Position So hat There is No Visible Sog. This Should Be Done Directly Ahead Of Panel

Gift Leveling May Be Accomplished By Standing A Section Of Gable Angle Vertically Against The Outside Gift Flanges A1 Approximate Mid-boy Location. When Gifts Are Level, Atlach The Gift Flanges To The Angle With Vise Grip Pilers Or Temporary Screws. Wood Blocking Cut To Fit The Spaces May Also Be Used For Alignment.

emporary Cirt Blocking is Not Recommended On Conceoled Fastener Panels. The emoval Of The Blocks After Panel Installation Can Couse Oil Canning.



Note: Wall Panel Type And Installation Details Will Yary, Refer To The Erection Drawings And Details for The Specific Panel Used for Your Building.

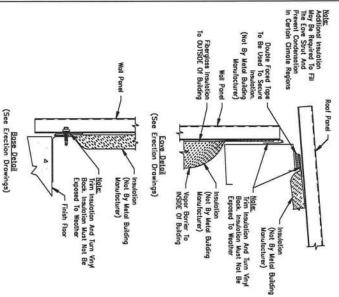
Note: After Drilling Ponels, It is important To Clean Metal Filings Off All Panel Surfaces, Including Between Ponels That Are Not Installed That Day, To Avoid Rust Stains.



Il Wolls Are To Be Insulated With Blanket Insulation Over Get Grit Flanges, Base And Eave, Place A Continuous Run Of Contact Tope Along The Eave Strut And Base Member.

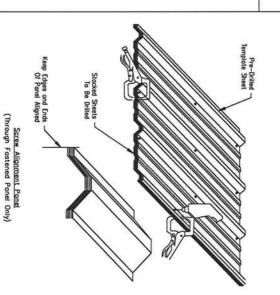
At The Bose, Cot Off The insulation A Minimum Of $\frac{1}{2}$ " Above The Bottom Of The Wall Panel. This Will Prevent the insulation from Hanging Selow The Wall Panel And Wicking Mosture.



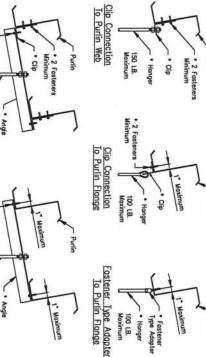


Sidewall Ponels Should Be installed So That The Ponel Sidelop is in A Direction Away From The Prevailing Wind. Refer To Appropriate Lop Deloil Included With Erection Drawings.)

Note: Check Periodically To Ensure That All Panels Are Aligned And Plumb.



Suggested Method Of Purlin Attachment For Building Accessories 150 LB. Moximum · Qip - * Hange



Clip Connection
To Purlin Web Do Not Install Purin -Cips of any kind on the Ronge of the Purlin

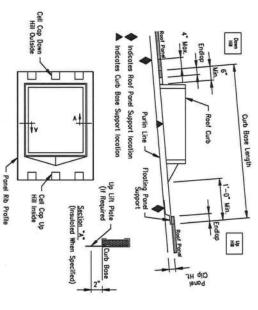
150 LB. Maximum At Each Purlin Angle Connection
To Purlin Flange

* Honger - Angle

100 LB. Maximum At Each Purlin

The Total Hanger Lood Shall Not Exceed The Design Collateral Lood For The Building, Example: 5'-0 (Fourin Spacing) X 5'-0 (Hanger Spacing) X 6 PSF (collateral Lood) 150 U.S. See Cover Sheet For Design Collateral Load For This Building, New Moter. If The Building is Designed For 0 PSF Collateral Load, Then Adding Any Suspended System (1e. Duct Work, Prijng, Lights, Ceilings, Etc.) Will Correspondingly Reduce The Design Live Load. Denotes Material Not Provided By Metal Building Manufacturer.

Roof Curbs When Not Supplied By Building Manufacturer



The Curb Details Shown Illustrate The Building Manufacturers Recommended Curb Style And Installation Method. It Is The Erector/Installer's Responsibility To Provide The Proper Curb Style And Install Them in Accordance With The Procedures Statistished By These Details. Foilure By The Erector/Installer To Follow These Recommendations May Result In The Curbs Damaging The Roof System Or Excluded From Worranties.

Tri-Bead Tape Sealer & x 18. HW504

All Roof Curbs To Be:

1. 080 Aluminum Or 18 Co. Stoinless Steel (No Calvalume® Or Galvanized).

2. Ponel Rib To Ponel Rib (No Flot Skirt Or Lay-Over Curbs).

3. Installed With Down Hil End Over Ponel And Up Hil End Under Ponel Application For Water Flow At Ponel Splice.

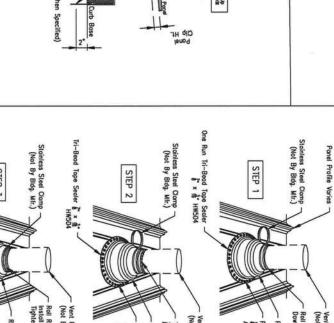
4. Up Lift Prevention For Cirp Applied Boof Systems Are Required It:

a. Wind Loods Exceed 110 MPH.

b. Curb Base Crosses A Purlin.

5. Supported on (4) Sides By Primary Or Secondary Framing.

6. Maximum Single Curb Weight Recommended is 1500 Lbs.



Lead Hats, Or Other Residential Grade Roof Jacks. Year Service Life And In Case Of Lead Hats Will

Roof Jack Installation

en Not Supplied By Building Manufacturer

Ceneral Installation Notes

Do Not Use Golvanized Real Jacks, L

These Roaf Jacks bo Not Hore 20 Y

Chase Golvanize Convasion of Time Roal

Parlimeter Off the Base. EPDM Roaf.

1217: Use Stillone Roaf Jacks For H

1217: Use Stillone Roaf Jacks For H

Refroll Roaf Jacks Are Available For l

Refroll Roaf Jacks Are Navilable Fo In Integral Aluminum Band Bonded Into The Jocks Have A Temperature Ronge From -65T To High Temperatures. Silicone Roof Jocks Have A

or Applications in Which The Top Of The Pipe is lity Of Siding The Roof Jack Over The Top Of The

Type Adopter

100 LB. Moximum

Pipe.

Do Not Use Tube Sediont To Sed The Roof Jock To The Roof Ponels. Use Roll Tope Seder Between the Roof Jock And The Roof Jock To The Roof Ponel Mith Fostener #4 ½ – 14 X ¥ LL SD Wywesher At 1" O.C. Around The Bose Of The Roof Jock See Tolde Belove For Quantities. Down The Roof Jock Over Thim The Top Of the Roof Jock to Fit Over the Pipe, Roll Bose Between The Pipe And Apply Tope Sealer For The Perimeter Of The Roof Jock Bose Between The Roof Jock And Install A Stainless Steel Clamp (Not By Bldg. Mir.) Over The Top Of The Roof Jock And Install A Stainless Steel Clamp (Not By Bldg. Mir.) Over The Top Of The Roof Jock And Firmly Tighten To Torm A Secure Compression Sed.

If The Pipe Diameter is So Large To Block The Flow Of Water Down The Roof Parel, A Fial Bose Roof Curb Must Be Installed into The Roof And The Roof Jock Will Be Seded To The Curb. A Two Piece Curb May Be Required When The Top Of The Pipe Is Inaccessible.

In Northern Climotes, The Pipe Penetration Should Be Protected From Moving Ice Or Snow With A Snow Retention System Immediately Up Stope From The Pipe.

Panel Profile Varies Incorrect

Install Pipe In Center To Allow Base Cannot Encompass More Than 75% Panel Profile Varies STEP 3 Of Roof Jack To Lay Flat on Panel. Vent Pipe (Not By Bidg. Mfr.) Roll Roof Jock Up Over HW504. Install Stainless Steel Clamp And Tighten Around Roof Jack. - Roll Roof Jack Down Fostener #4

1-14 × 8 LL SD W/Wosher

At 1 * 0.C. (Not By Bidg. Mfr.) - Fostener #4

-14 x | LL SD W/Washer
At 1 0.C. (Not By Bldg. Mfr.) Tri-Bead Tope Sealer Roof Jack Fostener #4 1-14 × 8 LL SD W/Wosher At 1 0.C. Roof Jock

