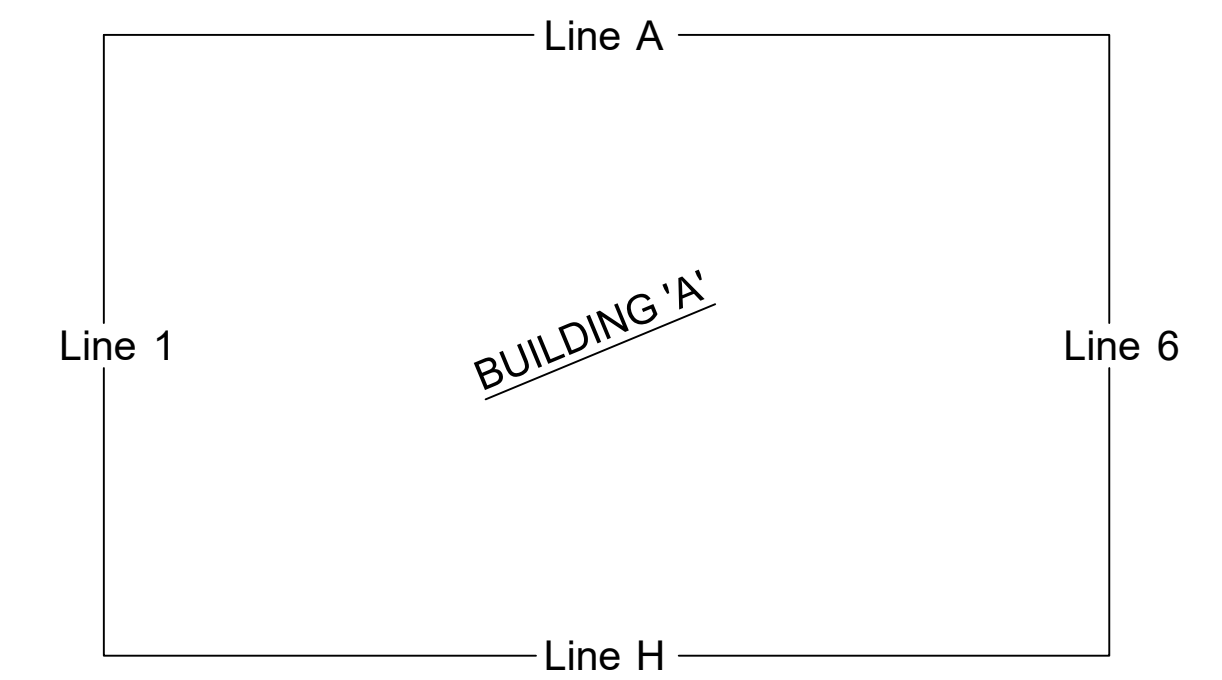


BLDG. "A"	Line H	Line A	Line H	Line A	Downspout	Downspout
Width	Height	Height	Roof Pitch	Roof Pitch	Drops Line H	Drops Line A
80'-0"	24'-0"	24'-0"	2.0:12	2.0:12	4	4

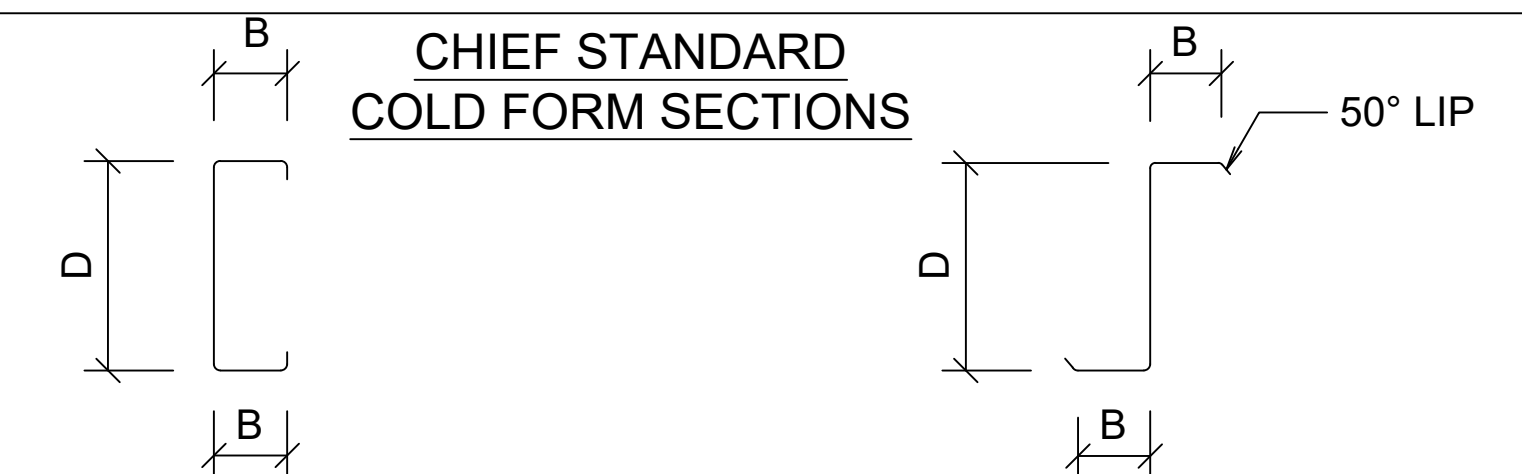
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CROSS SECTION CS1-CS2
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ROOF PANEL RP1-RP1
SIDEWALL S1-S4
ENDWALL E1-E4
DETAILS _____
GENERAL DETAILS _____



KEY PLAN

Roof Panel:	Ordered Options:	Accessories												
Type: MSC	Base Condition: Base Cee- Base Trim /Drip Edge	5 3070 Pre-Assembled Solid Walkdoor 5 Panic Hardware for 3070 Pre-Assembled Door 5 Door Closer for Pre-Assembled Door												
Gage: 24	Base Trim Color: Royale Blue	Wall Openings See drawings for additional info.												
Color: Galvalume	Wall Mastic: No													
Wall Panel:	UL Rating: Yes, UL90	<table border="1"> <thead> <tr> <th>QUAN</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>3'-4" W x 3'-4" H Louver</td> </tr> <tr> <td>3</td> <td>14'-0" W x 14'-0" H Overhead Door</td> </tr> <tr> <td>5</td> <td>3'-4" W x 7'-2" H Walkdoor</td> </tr> <tr> <td>1</td> <td>6'-4" W x 7'-2" H Walkdoor</td> </tr> <tr> <td>14</td> <td>4'-0" W x 4'-2" H Window</td> </tr> </tbody> </table>	QUAN	DESCRIPTION	4	3'-4" W x 3'-4" H Louver	3	14'-0" W x 14'-0" H Overhead Door	5	3'-4" W x 7'-2" H Walkdoor	1	6'-4" W x 7'-2" H Walkdoor	14	4'-0" W x 4'-2" H Window
QUAN	DESCRIPTION													
4	3'-4" W x 3'-4" H Louver													
3	14'-0" W x 14'-0" H Overhead Door													
5	3'-4" W x 7'-2" H Walkdoor													
1	6'-4" W x 7'-2" H Walkdoor													
14	4'-0" W x 4'-2" H Window													
Type: CS	Sidewall Eave Trim Type: Standard Profile Gutter													
Gage: 26	Eave Trim Color: Royale Blue													
Color: Parchment	Gable Trim Color: Royale Blue													
	Downspout Type: Corrugated													
	Downspout Color: Royale Blue													
	Elbows at Bottom of Drops: Yes													
	Corner Trim Color: Parchment													
	Framed Opening Trim Color: Royale Blue													
	Light Transmitting Panels: Roof = None Wall = None													



CHIEF STANDARD COLD FORM SECTIONS

DESIGNATION	D	B
816	8.00	3.00
814	8.00	3.00
812	8.00	3.00
1014	10.00	3.50
1012	10.00	3.50

DESIGNATION	D	B
816	8.00	2.50
814	8.00	2.50
812	8.00	2.50
1014	10.00	2.75
1012	10.00	2.75

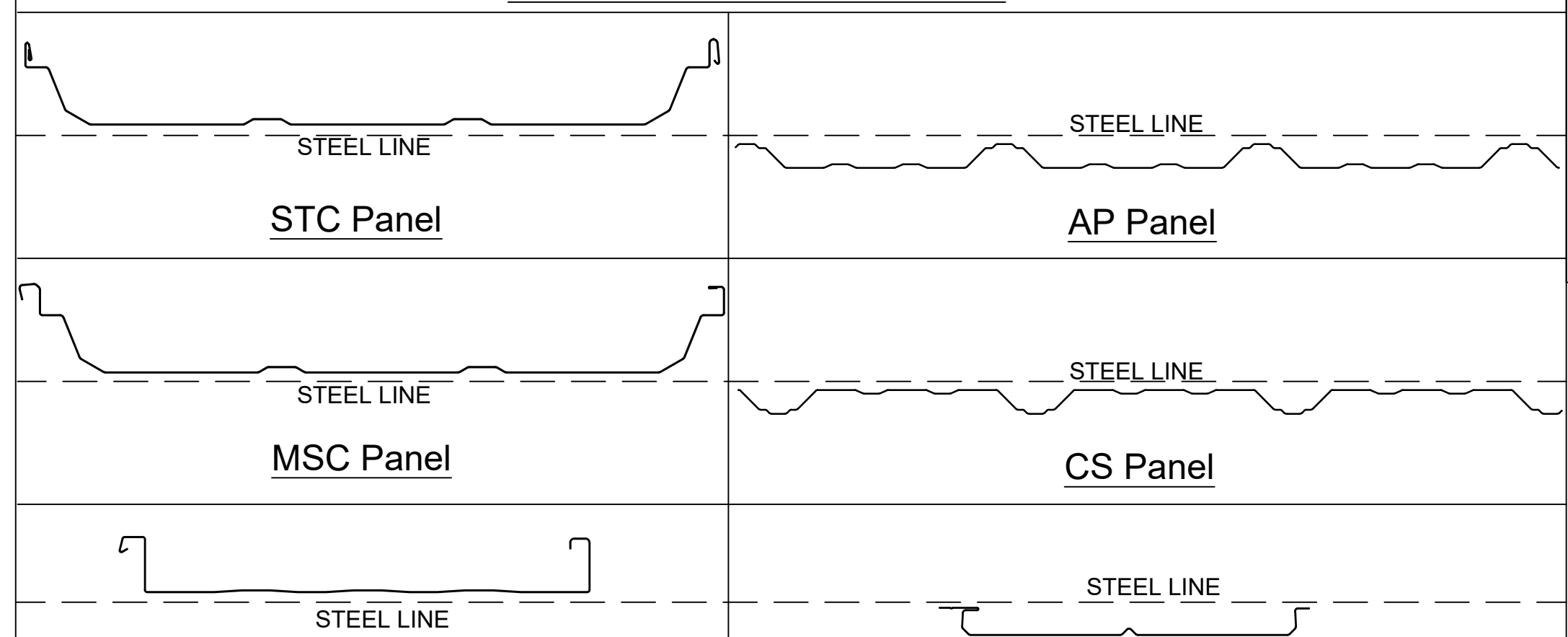
Framing:

Purlin Type: ZEE
Girt Type: ZEE CEE

CHIEF BUILDINGS
DETAIL GUIDE:

ROOF PANEL
ERECTION MANUAL:

CHIEF STANDARD PROFILES



Eave / Gable Soffit Panel:

Type: FSP
Gage: 24
Color: Royale Blue

FINAL DESIGN DRAWINGS FOR PERMIT USE ONLY

Chief Buildings, a Division of Chief Industries, Inc., is certified as an Approved Fabricator recognized under section 1704.2.5.1 of the 2015 and 2018 IBC, section 1704.2.5.2 of the 2012 IBC and section 1704.2.2 of earlier code editions in accordance with the International Accreditation Service, Inc., Accreditation Criteria for Inspection Programs, AC472 (Certificates of Accreditation: MB-123 & MB-124).

REVISIONS
4
3
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Notwithstanding the adjacent seal, neither the Engineer named nor Chief Buildings is acting as The Engineer of Record. The Engineer named and Chief Buildings responsibility is limited to the structural performance of the pre-engineered components designed by Chief Buildings.

Chief Buildings
P.O. Box 2078, Grand Island, NE 68802-2078
(308) 389-7289 cs@chiefind.com

Drawing	COVER PAGE			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	C1
	DAR	xxx	B3020492	
	5/20/21	xx/xx/xx		C1

Quality Assurance Policy

The following Quality Assurance Policy is comprised of a list of guidelines and procedures to expedite customer service requirements in the field. Chief's objective is to produce a first-class product and back it up with the best customer service in the industry.

The Quality Assurance Policy has been developed over the last fifty years and is based on handling customer service in the field. These guidelines will simplify the communication process and expedite any special requirements needed to make your project run as smooth as possible.

Common Industry Practices:

The correction of minor misfits by the use of drift pins to draw the components into line, shimming, moderate amounts of reaming, chipping and cutting, and the replacement of minor shortages of material are a normal part of erection and are not subject to claim.

Chief will not pay claims unless the following claim and authorization procedure is strictly followed by the Builder, or if the correction work is started prior to receipt by Builder of Chief's written "Authorization of Corrective Work". If erection is not by the Builder, the Erector is responsible for providing the Builder with the information necessary to make the claim to Chief as provided below.

Chief is not responsible for any claim resulting from the use of any drawings or literature not specifically released for the components purchased for the project.

Chief is not responsible for any claim resulting from the use by the Erector of any improper material or material containing defects that can be detected by visual inspection. Claims for disassembling such improper or defective material and costs of erecting replacement material are not allowed.

Before you contact Chief:

Please have the following information ready before you call, or provided in an e-mail.

1. Chief's order number for your project. This information is available from the drawings or the Shipping Papers.
2. Page numbers and detail callouts from the drawings.
3. Part marks.
4. Line numbers.

5. Contact Information (Name, Company, return Phone Number and e-mail address):

Questions?
Our Customer Service team is here to help!
Contact us at 308-389-7289
You can also contact us via e-mail at
cs@chiefind.com
or use the QR code to start an e-mail.



Brett Neilson Natalie Jansen
Lyle Miller

Shortage and Damage Claims

Chief personnel checks off all components on the order prior to shipment. However, it is imperative that the Builder checks each shipment against the Shipment Delivery Note to ensure that the shipment is complete and no damage has occurred. A Shipment Delivery Note and Bill of Lading will be provided with each load.

A full set of Shipping Papers, Erection Drawings, CHIEF BUILDINGS DETAILS GUIDE, Safety Data Sheets (SDSs) and other important documents that will aid you in erecting your project are located in a Resale Box that says "DOCUMENTS ENCLOSED".

Checking the Shipment Delivery Note:

The Shipment Delivery Note will contain the contents of each load delivered to the jobsite. Each individual item or bundle should be checked against the Shipment Delivery Note. Each bundle will have a packing list or bundle tag that lists the mark numbers, quantities and weight of the bundle. The packing list should remain with each bundle to identify individual pieces.

- Columns, rafters, posts, beams and other structural members are individually marked.
- Angle flange braces are individually marked and bundled with a packing list. The part description on the Shipping Papers contains the size and length of the angle along with the bolt-up standard for that piece mark.
- Sag angles are individually marked and bundled with a packing list. If there is a bundle of the all the same mark number, only the top angles are marked and common piece marks are color coded on one end. The part description on the Shipping Papers contains the angle size and length in inches.
- Cable and Rod bracing are individually marked (CB) and bundled with a packing list. The part description on the Shipping Papers contains the cable or rod diameter and length in inches.
- Girts and purlins are individually marked and bundled with a packing list. The part description on the Shipping Papers contains the member size and length in inches.
- Panel is only identified with a packing list. The piece mark on the packing list includes the length of the panels in inches. The part description on the Shipping Papers contains the color and panel type - "CS" or "AP".
- Bolting clips are individually marked and packaged in boxes with a packing list. Standard bolting clips can also be identified with dimensioned drawings found in the "Building Components" section of the CHIEF BUILDINGS DETAILS GUIDE. Special plates will have a part drawing included with the erection drawings.
- Trims are individually marked and packaged in boxes with a packing list. Standard Trims can also be identified with dimensioned drawings found in the "Building Components" section of the CHIEF BUILDINGS DETAILS GUIDE. Special Trims will have a part drawing included with the erection drawings. The part description on the Shipping Papers contains the length and colors of trim pieces.
- Bolts, nuts, screws, mastics and other miscellaneous items are packaged in resale boxes. A packing list is attached to each box that describes the contents.

Shortage and Damage Claims (Continued)

Missing or Damaged Parts:

Any missing or damaged items are to be noted on the carrier's Bill of Lading. Chief is to be notified immediately.

Concealed shortages must be reported to Chief during the following period dating from receipt of the first load:

One load job = 2 weeks	Four load job = 5 weeks	Seven or more load job = 8 weeks
Two load job = 3 weeks	Five load job = 6 weeks	
Three load job = 4 weeks	Six load job = 7 weeks	

Chief's responsibility for shortages expires at the end of these notification periods.

Replacement Shipment:

Maximum effort will be made by Chief to ship replacement components as quickly as possible. Chief will attempt to ship standard components fabricated in its building plants within 48 hours and stock items will be ready to ship in 24 hours.

When a shortage is determined, the Builder needs to notify Chief's Customer Service Department of the issue. Chief's Order Number and complete information describing the parts required must be conveyed at this time.

Chief will act immediately to get the parts to the Builder and responsibility for the problem will be determined later.

After the problem has been corrected, Chief will determine where the responsibility lies. If it is Chief's error, Chief will provide the replacement material at no cost. Otherwise, Chief will invoice accordingly.

Transit Damage:

Nominal damage can occur during transit. Chief supplies touch-up paint for such cases. However, if excessive damage occurs, the following procedure will be observed:

Material damage (transit or otherwise) should be noted on the carrier's Bill Of Lading. Failure to note the damage on the Bill Of Lading will result in the Builder having to file the freight claim and Chief may charge the Builder for the replacement material.

White Rust:

All panels shipped from Chief's building plants are in good condition.

Chief bundles and/or boxes of components are only for protection during transit. This packaging is not intended for protection during storage.

Panels must be stored so air can circulate freely. Trapped moisture may cause discoloration or white rust. Refer to the "Unloading Procedures" in the General Information section of the CHIEF BUILDINGS DETAILS GUIDE.

Primer:

Chief's shop primer is a rust inhibiting gray modified acrylic primer. This primer is intended to protect the steel only for short periods of exposure to ordinary atmospheric conditions. In addition, shop primer does not provide the uniformity of appearance, or the durability of a field applied finish coat of paint over a shop primer.

The Builder must ensure that the primed material is stored in such a manner that water, snow, ice and other debris are not allowed to pond in the members. If primed material is to be top coated with other paint, compatibility tests must be performed by the Builder to ensure acceptable results. These compatibility tests should cover a cross-section of members (clips, angles, purlins, girts, columns, rafters, beams, flange braces, etc.) as different primers may be used on different members.

Ice and snow melt chemicals that DOTs use are extremely corrosive to the steel and should be cleaned off at the earliest convenience.

Panel Bundles:

Chief's standing seam panels will be sent at a maximum length of 52' unless otherwise directed. Any bundles over 30' in length MUST be unloaded with a spreader bar. Additional handling and storage recommendations are included in the erection manuals.

Authorization for Returning Merchandise

The authorization must be obtained from Chief's Customer Service Department before merchandise may be returned for credit. Returned merchandise shall be limited to resale type items (i.e. fasteners, closures, etc.) at Chief's sole discretion. Chief retains the prerogative to allow or disallow the return of merchandise.

Builder must contact Chief's Customer Service Department with a description of the merchandise and the reason for their request.

When authorization has been granted, an authorization form will be sent to the Builder along with a pre-numbered tag to attach to the merchandise being returned. A 15% re-stock charge may be assessed on all merchandise which is authorized to be returned.

Special Order Merchandise:

Special merchandise ordered, such as special doors, windows, vents, fasteners, etc., may not be returned for credit.

Replacement Items:

All merchandise shipped will be invoiced to the Builder. This includes parts sent to replace merchandise which has been authorized for return to Chief.

Credit will be issued to the Builder's account when the returned merchandise has been accepted by Chief. Chief may refuse to credit your account if the returned merchandise is not in good condition.

Field Modifications

Notification of Field Problems:

The initial claim must be made promptly by either written or verbal notification to Chief's Customer Service Department. Any verbal notification must be followed up in writing within 7 days. The initial claim must include:

1. Description of nature and the extent of the errors, including quantities.
2. Description of nature and the extent of proposed corrective work, including estimated man-hours and costs.
3. Material to be purchased from other than Chief, including estimated quantities and costs.
4. Maximum total cost of proposed corrective work and material to be purchased from other than Chief.

If necessary, Chief may request pictures, field measurements, or other information that will aid in helping to solve the problem.

Authorization MUST be obtained from Chief's Customer Service Department in writing before field modification is made. Authorization identifies the problem and allows Chief to participate in arriving at a solution, it does not assign fault or liability.

Chief cannot be responsible for structures which have been modified without specific authorization. Any such action may void warranties.

Backcharge Procedure:

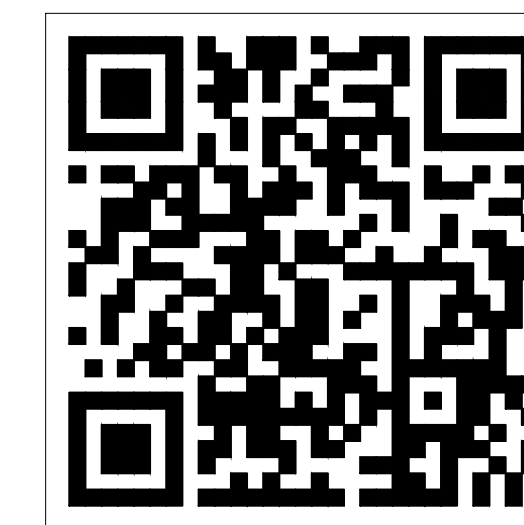
All backcharges must be submitted within 14 (fourteen) days after completion of the corrective work for which prior approved authorization has been given. Failure to submit the backcharge within this time limit will negate Chief's obligation to pay said charges.

Information Required for Submitting the Final Claim:

1. Chief's Order Number.
2. Actual man-hours by date of direct labor use on corrective work and hourly rates of pay.
3. Cost of material (not minor supplies) authorized by Chief to be purchased from other than Chief, including copies of paid invoices.
4. Total actual direct cost of corrective work (sum of 2 and 3).
The final claim shall be signed and certified true and correct by the Builder. Final claims are paid to the Builder in an amount of the lesser of:
 - Cost set forth in the initial report and subsequent "Authorization for Field Modification", or
 - The total actual direct cost of corrective work.
5. The cost of equipment (rental or depreciation), small tools, supervision, overhead and profit are not subject to claim. This includes crane and lift charges.

Looking For Jobsite Resources?

Dave's Toolbox



Snap QR code above
or
use web address below

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FOR PERMIT USE ONLY**

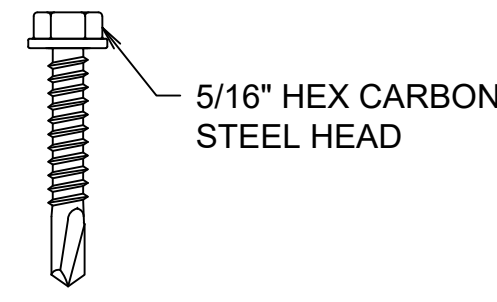
<https://secure.chiefind.com/mychief/>

Username: information@chiefind.com
Password: gbr2021

Drawing	QUALITY ASSURANCE POLICY			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
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	DAR	xxx	B3020492	G4
	5/19/2021	xx/xx/xx		

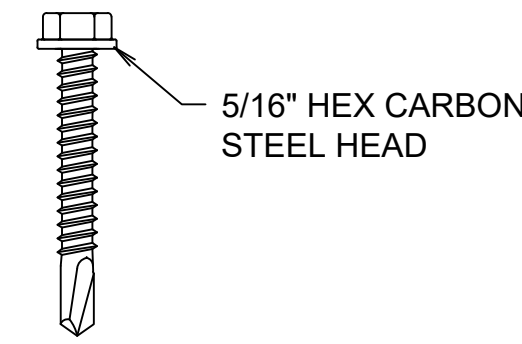
RELEASED	04-16-21
SUPERSEDES	11-05-20





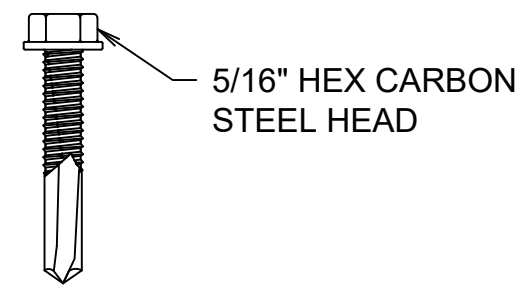
#12 - 14 X 1 1/4" W/O

- MVF/MVP CLIP TO PURLIN WITH UP TO 4" THICK INSULATION
- SUPPORT PLATE TO PURLINS AT HIP OR VALLEY CONDITIONS-MVF / MVP ROOF



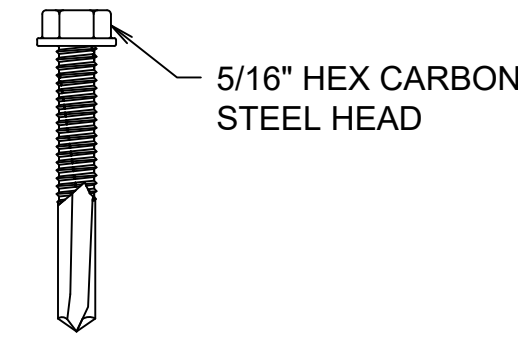
#12 - 14 X 1 1/2" W/O

- MVF/MVP CLIP TO PURLIN WITH OVER 4" THICK INSULATION
- SUPPORT PLATE TO PURLINS AT HIP OR VALLEY CONDITIONS-MVF / MVP ROOF



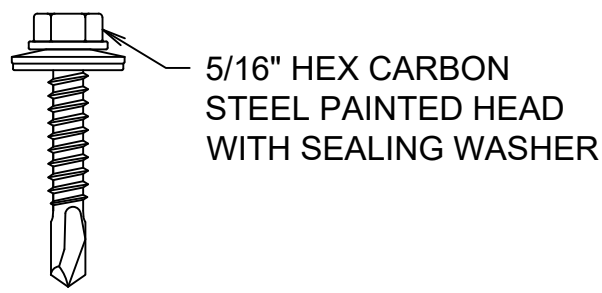
#12 - 24 X 1 1/4" W/O

- MVF/MVP CLIP TO BAR JOIST WITH UP TO 4" THICK INSULATION.
- MEZZANINE DECKING TO BAR JOIST.



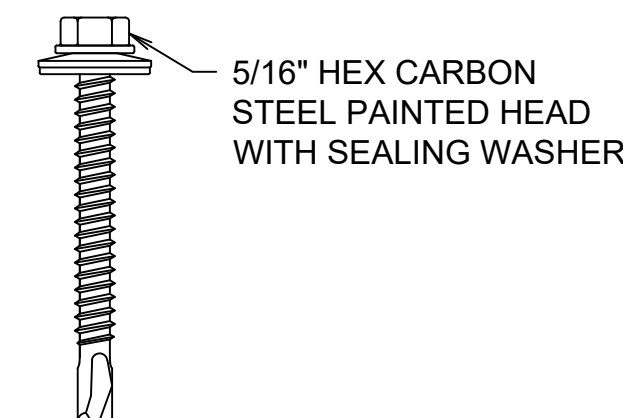
#12 - 24 X 1 1/2" W/O

- MVF/MVP CLIP TO BAR JOIST WITH OVER 4" THICK INSULATION



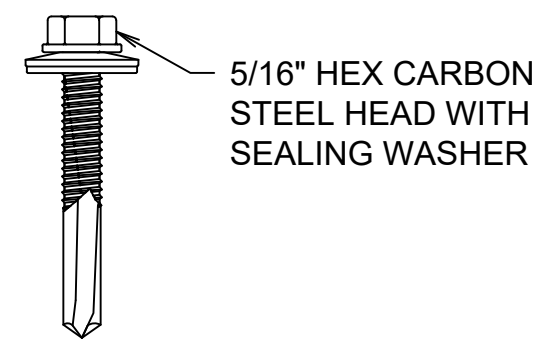
#12 - 14 X 1 1/4"

- WALL PANEL TO STEEL
- CS / AP SOFFIT PANEL TO STEEL
- DECKING TO PURLIN
- RAKE ANGLE TO PURLINS-MVF/MVP/CS ROOF



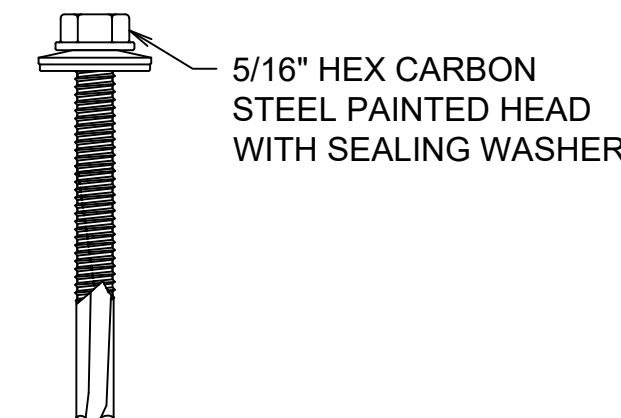
#12 - 14 X 2"

- FASTENER USED IN BUILDINGS WITH BLANKET INSULATION OVER WALL GIRTS GREATER THAN 4 INCHES. THIS FASTENER REPLACES THE #12-14 X 1 1/4" FASTENER SHOWN IN THE ERECTION DRAWINGS AND SECTIONS.



#12 - 24 x 1 1/2"

- WALL PANEL TO STEEL GREATER THAN 12 GAGE
- TRIM TO STEEL GREATER THAN 12 GAGE
- MSC/STC CLIP SCREW FOR BAR JOIST
- DECKING ATTACHMENT TO BAR JOIST AND BEAMS



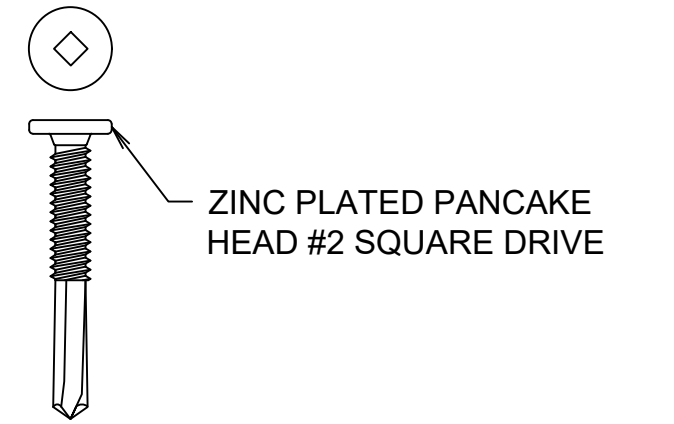
#12 - 24 X 2"

- WALL PANEL TO STEEL GREATER THAN 12 GAGE. FASTENER USED IN BUILDINGS WITH BLANKET INSULATION OVER WALL GIRTS GREATER THAN 4 INCHES. THIS FASTENER REPLACES THE #12-14 X 1 1/4" FASTENER SHOWN IN THE ERECTION DRAWINGS AND SECTIONS.



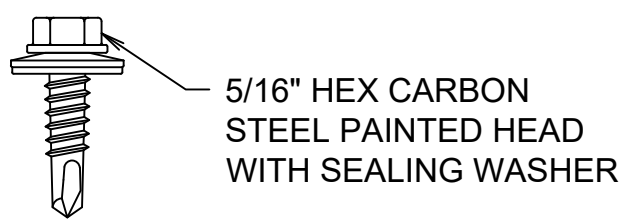
#12-14 X 1" PANCAKE HEAD

- RAKE ANGLE TO PURLINS - MSC/STC ROOF
- CORNER ANGLE TO GIRTS
- FLAT STRAPS TO PURLINS
- FLAT SOFFIT TO SUPPORTS
- SUPPORT PLATE TO PURLINS AT HIP OR VALLEY CONDITIONS - CS ROOF



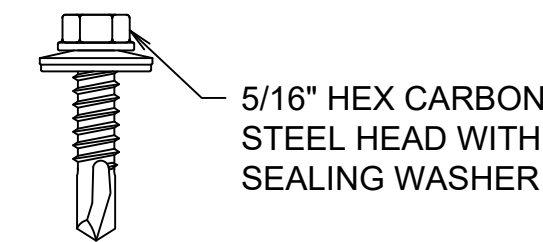
#12-24 X 1 1/2" PANCAKE HEAD

- RAKE ANGLE TO PURLINS > 12ga. - MSC/STC ROOF
- CORNER ANGLE TO GIRTS > 12ga.
- FLAT STRAPS TO PURLINS > 12ga.
- FLAT SOFFIT TO SUPPORTS > 12ga.
- SUPPORT PLATE TO PURLINS > 12ga. AT HIP OR VALLEY CONDITIONS - CS ROOF



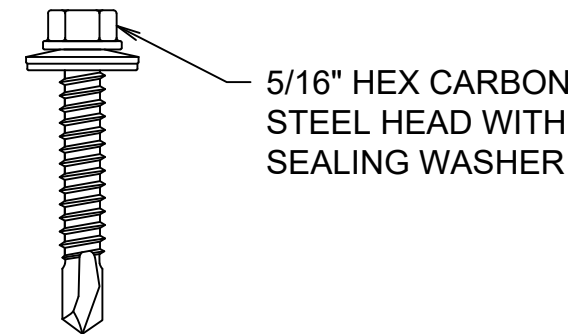
1/4 - 14 X 7/8"

- WALL OR SOFFIT PANEL: TRIM TO PANEL OR PANEL TO PANEL
- MEZZANINE DECKING AT SIDE LAPS.
- WALL OR SOFFIT PANEL: TRIM TO TRIM



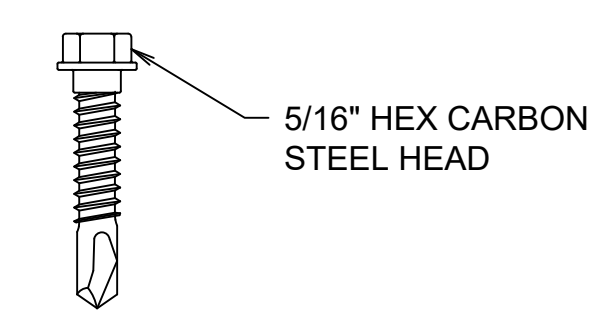
1/4 - 14 X 1"

- MSC-STC-CLIP TO PURLIN (WITH UP TO 4" THICK INSULATION)
- EAVE PLATE TO PURLIN
- INSIDE CLOSURE TO EAVE PLATE OR EAVE STRUT
- SUPPORT PLATE TO PURLINS AT HIP OR VALLEY CONDITIONS-MSC / STC ROOF



1/4 - 14 X 1 1/2"

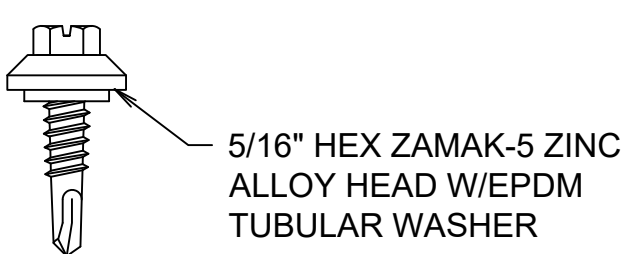
- MSC/STC-CLIP TO PURLIN WITH OVER 4" THICK INSULATION
- SUPPORT PLATE TO PURLINS AT HIP OR VALLEY CONDITIONS-MSC / STC ROOF



1/4 - 14 X 1 1/4" SHOULDER

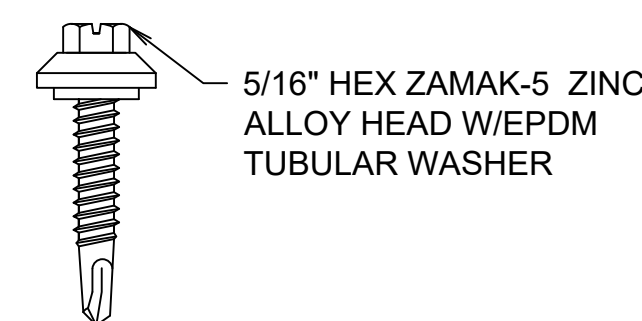
- MSC/STC-RAKE SUPPORT TO RAKE ANGLE
- FLOATING EAVE PLATE TO EAVE STRUT
- FLOATING EAVE PLATE TO JOIST

FINAL DESIGN DRAWINGS FOR PERMIT USE ONLY



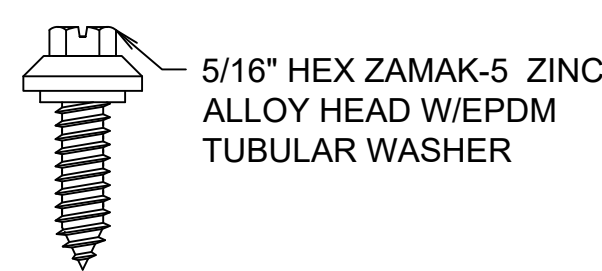
1/4 - 14 X 7/8" WT

- ROOF: SHEETING TO SHEETING, TRIM TO SHEETING AND RIDGE FLASHING TO RIDGE CLOSURE



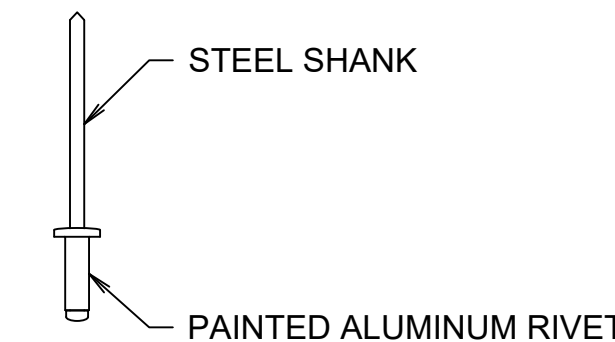
1/4 - 14 X 1 1/4" WT

- ROOF PANEL TO STEEL
- BACK-UP PANEL TO STEEL
- ROOF TRIM TO STEEL



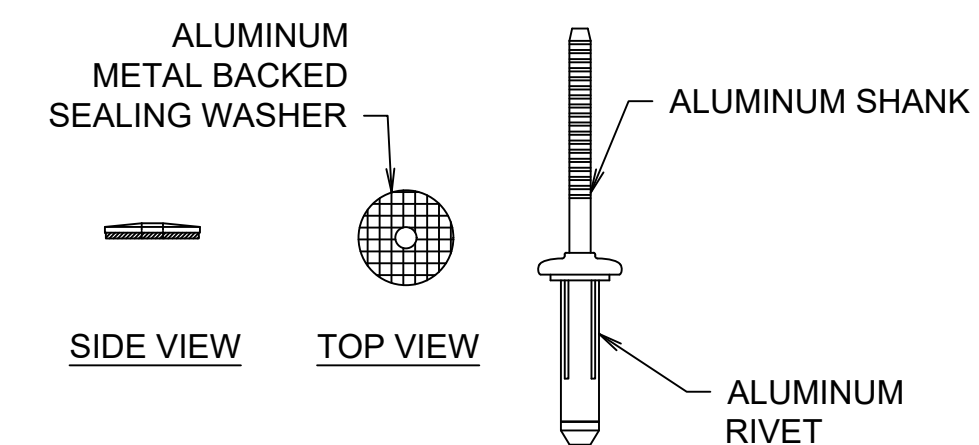
#17 X 1" WT

- "STRIP OUT" REPLACEMENT FASTENER FOR ROOF, WALLS, BACK-UP PANEL AND TRIM



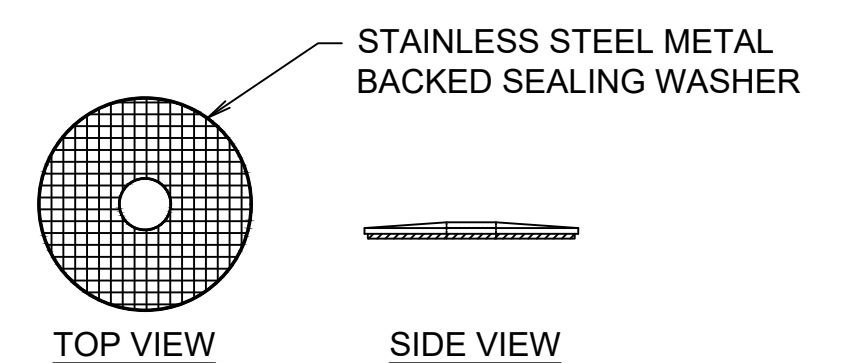
1/8" X 3/8" BLIND RIVET

- MSC / STC / MVF / MVP OUTSIDE CLOSURE TO BACK-UP ANGLE AT HIP CONDITION
- TRIM TO TRIM
- TRIM TO STEEL



3/16" BULBTITE RIVET AND WASHER

- LIGHT TRANSMITTING PANEL TO LIGHT TRANSMITTING PANEL SIDE LAP
- WINDOWS BY CHIEF TO WINDOW JAMBS



#14 X 1 1/8" BONDED WASHER

- MSC/STC-LOW SIDE OF LIGHT TRANSMITTING PANELS

NOTE: THE DETAILS ON THIS PAGE OVERRIDE DETAILS IN THE ERECTION MANUALS.

REVISIONS

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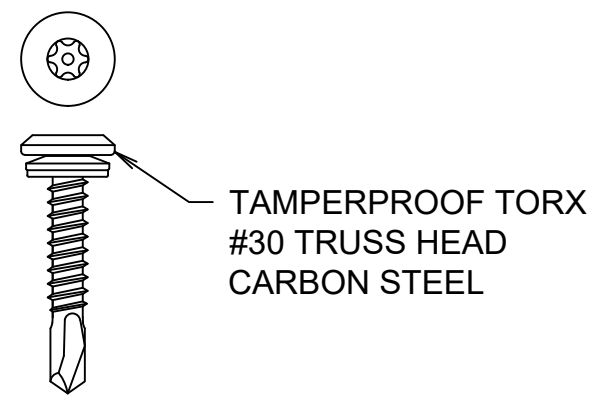
Notwithstanding the adjacent seal, neither the Engineer named nor Chief Buildings is acting as The Engineer of Record. The Engineer named and Chief Buildings responsibility is limited to the structural performance of the pre-engineered components designed by Chief Buildings.

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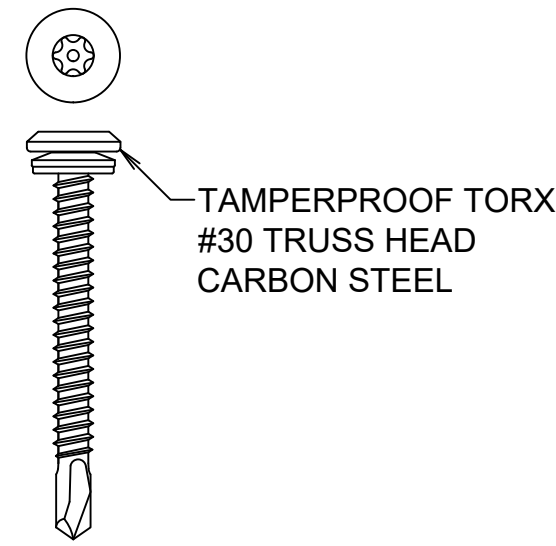
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Buyer	Powermaster Electric, Inc		
Customer	PowerMaster Electric Fuquay-Varina, NC 27526		
Project Name	New Office/Warehouse		
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.
	DAR	xxx	B3020492
	5/19/2021	xx/xx/xx	G2
			G4



TAMPERPROOF TORX
#30 TRUSS HEAD
CARBON STEEL

#12 - 14 X 1 1/4"
TAMPERPROOF

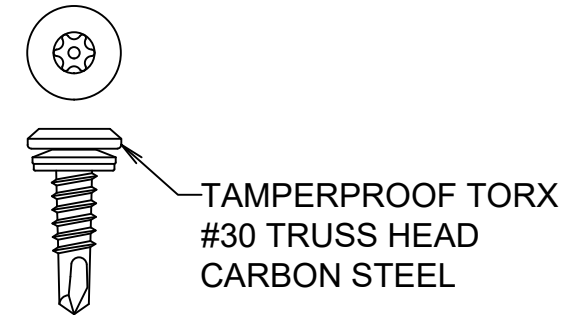
- PANEL TO STEEL
- TRIM TO STEEL



TAMPERPROOF TORX
#30 TRUSS HEAD
CARBON STEEL

#12 - 14 X 2"
TAMPERPROOF

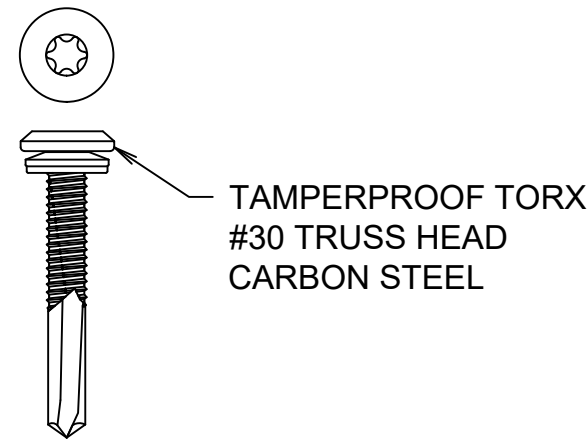
- GREATER THAN 4" INSULATION
- PANEL TO STEEL
- TRIM TO STEEL



TAMPERPROOF TORX
#30 TRUSS HEAD
CARBON STEEL

1/4 - 14 X 7/8"
TAMPERPROOF

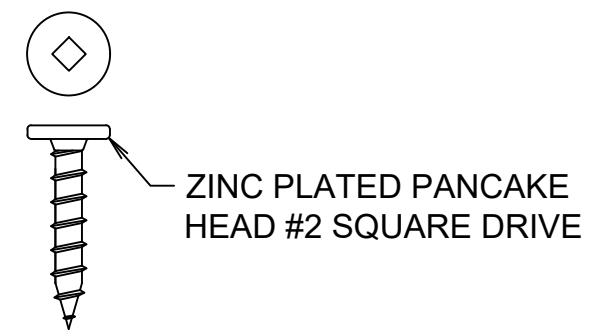
- TRIM TO TRIM
- TRIM TO PANEL
- PANEL TO PANEL



TAMPERPROOF TORX
#30 TRUSS HEAD
CARBON STEEL

#12 - 24 X 1 1/2"
TORX DRIVE

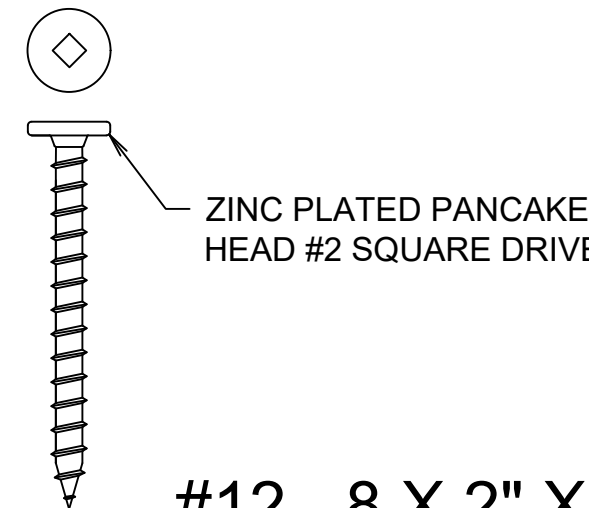
- PANEL TO STEEL GREATER THAN 12 GAGE
- TRIM TO STEEL GREATER THAN 12 GAGE



ZINC PLATED PANCAKE
HEAD #2 SQUARE DRIVE

#12 - 8 X 1" XG
PANCAKE HEAD

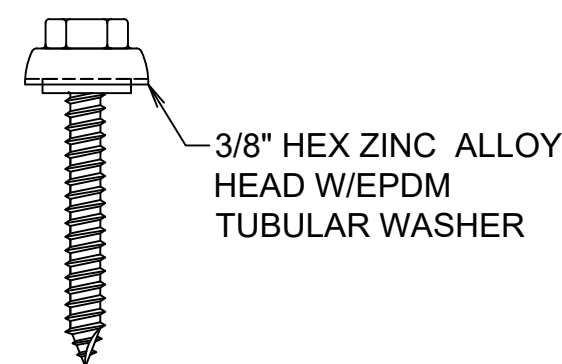
- MVF / MVP UTILITY CLIP TO WOOD
- MVF / MVP CLIP ALTERNATE FASTENER TO WOOD
- RAKE AND CORNER ANGLE TO WOOD
- PARAPET CAP CLEAT TO WOOD



ZINC PLATED PANCAKE
HEAD #2 SQUARE DRIVE

#12 - 8 X 2" XG
PANCAKE HEAD

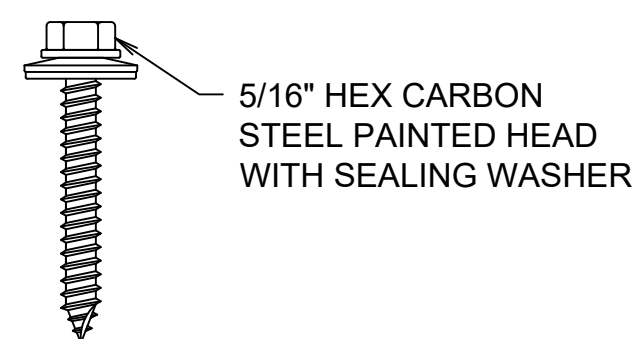
- MVF / MVP UTILITY CLIP TO WOOD
- MVF / MVP CLIP ALTERNATE FASTENER TO WOOD
- RAKE AND CORNER ANGLE TO WOOD
- PARAPET CAP CLEAT TO WOOD



3/8" HEX ZINC ALLOY
HEAD W/EPDM
TUBULAR WASHER

1/4 - 14 X 1 1/2" WT TYPE AB
MILLED POINT

- STANDING SEAM ROOF AT EAVE TO WOOD
- CS ROOF TO WOOD
- TRIM ON ROOF TO WOOD



5/16" HEX CARBON
STEEL PAINTED HEAD
WITH SEALING WASHER

#14 X 1 1/2" TYPE A
MILLED POINT

- STANDING SEAM ROOF CLIP TO WOOD
- PANEL TO WOOD
- TRIM TO WOOD

BOLT TIGHTENING INFORMATION

Snug Tight

1. Snug Tightened Joints are used. Tightening of bolts shall be in accordance with the "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS" latest edition published by Research Council on Structural Connections (RCSC).
 - a. All bolt holes shall be aligned to permit insertion of the bolts without undue damage to the threads.
 - b. Bolts shall be placed in all holes and nuts threaded to complete the assembly.
 - c. Compacting the joint to the snug-tight condition shall progress systematically from the most rigid part of the joint. Snug tight is the condition that exists when all of the plies in a connection have been pulled into firm contact by the bolts in the joint and all of the bolts in the joint have been tightened sufficiently to prevent the removal of the nuts without the use of a wrench.
 - i. The snug tightened condition is typically achieved with a few impacts of an impact wrench or the full effort of a worker on an ordinary spud wrench. More than one cycle through the bolt pattern may be required to achieve the snug tightened joint.
2. Special Inspection - Inspection that installation achieved snug tightened condition is after bolt installation. Unless local authorities require otherwise, inspection before or during bolt installation/tightening is not required.
3. Fastener components shall be protected from dirt and moisture in closed containers at the site of installation. Only as many fastener components as are anticipated to be installed during the work shift shall be taken from protected storage. Fastener components that are not incorporated into the work shall be returned to protected storage at the end of the work shift.

FINAL DESIGN DRAWINGS
FOR PERMIT USE ONLY

NOTE: THE DETAILS ON THIS PAGE OVERRIDE DETAILS IN THE ERECTION MANUALS.

RELEASED	04-16-21
SUPERSEDES	09-28-20

REVISIONS

4	
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Notwithstanding the adjacent seal, neither the Engineer named nor Chief Buildings is acting as The Engineer of Record. The Engineer named and Chief Buildings responsibility is limited to the structural performance of the pre-engineered components designed by Chief Buildings.
Chief Buildings
PO Box 2078, Grand Island, NE 68802-2078
(308) 389-7289 cs@chiefind.com



05 20 21

Drawing	FASTENER ID & BOLT TIGHTENING INFO			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	G3
	DAR	xxx	B3020492	G4
	5/19/2021	xx/xx/xx		

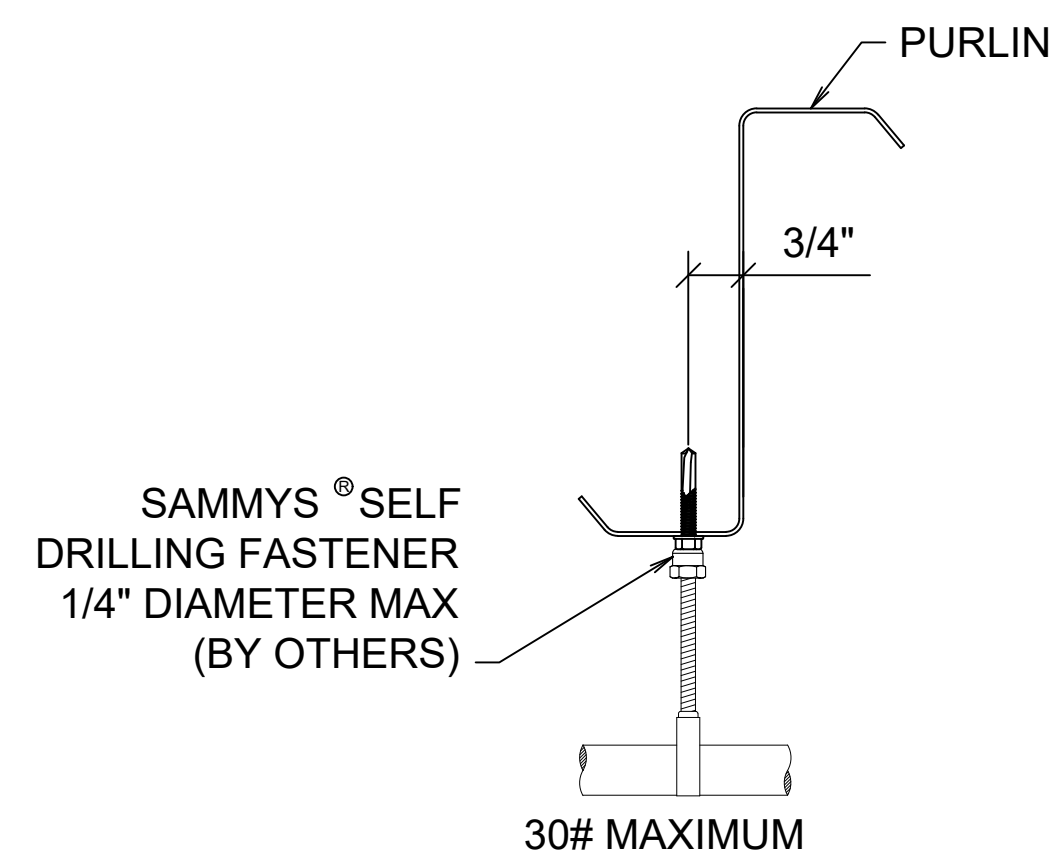


COLLATERAL LOADS (see Building Design Criteria):
 Chief Buildings neither assumes nor accepts any responsibility for the design of hangers, bracing of suspended members, transverse support members, nor connections to roof purlins to support collateral loads. It is the responsibility of the Buyer/Contractor and/or End Owner to have this design performed by a registered design professional. All loads suspended from purlins shall have the load introduced through the web and not the flange of the purlin other than what is shown on this page.

TYPE I CONNECTION NOTE:

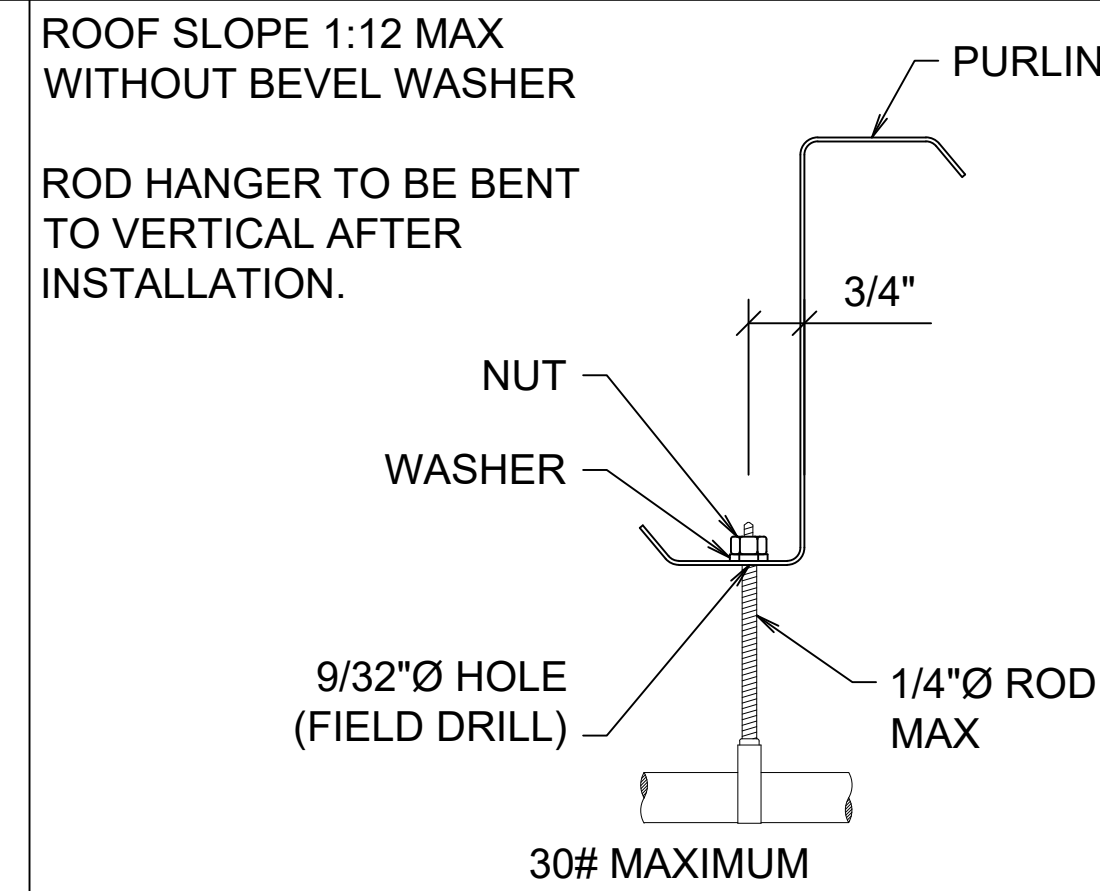
Lightweight loads may be hung from the bottom flange of the purlin ONLY as shown at right within the following limitations:

1. Individual point loads cannot exceed 30#.
2. Attachment points cannot be closer than 12" c-c along an individual purlin.
3. The total number of 30# loads cannot exceed (0.2 x bay length in feet). See note 4 for further limitations.
4. More points can be attached to a purlin if the individual loads are less than 30#, but in no case shall the total load hung on a purlin exceed the collateral load times the purlin spacing (ft.) times one-half the purlin span (ft.). Point of attachment must be within 3/4" of the purlin web.
5. The hole diameter shall not exceed what is shown.



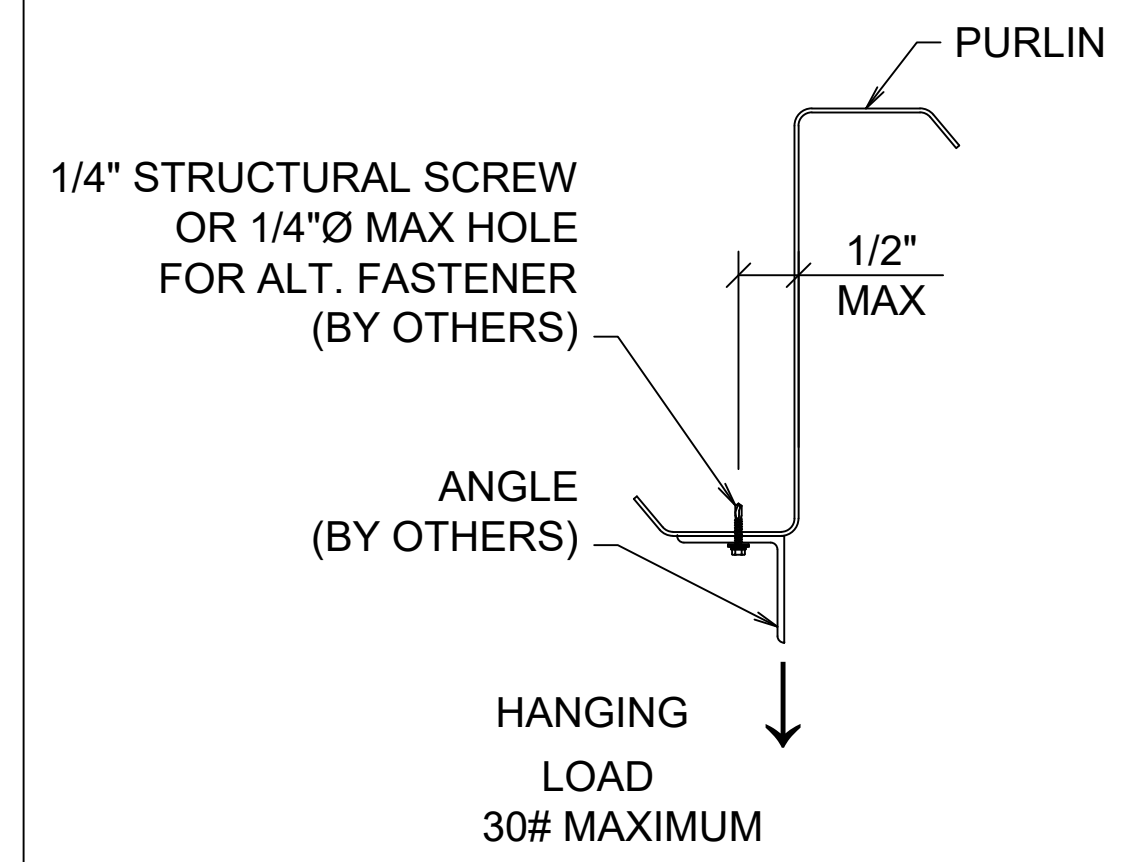
HANGER DETAIL AT PURLINS
 SAMMYS® CONNECTION

TYPE I



HANGER DETAIL AT PURLINS
 NUT/WASHER CONNECTION

TYPE I

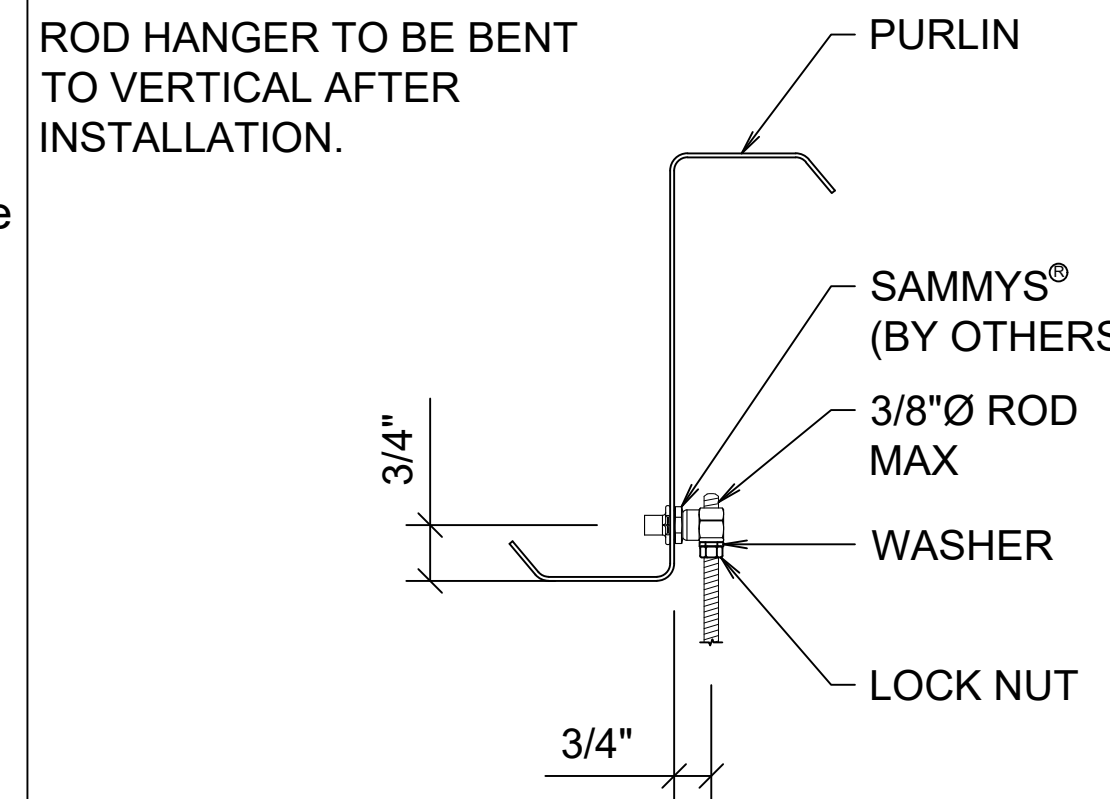


HANGER DETAIL AT PURLINS
 CONNECTION

TYPE I

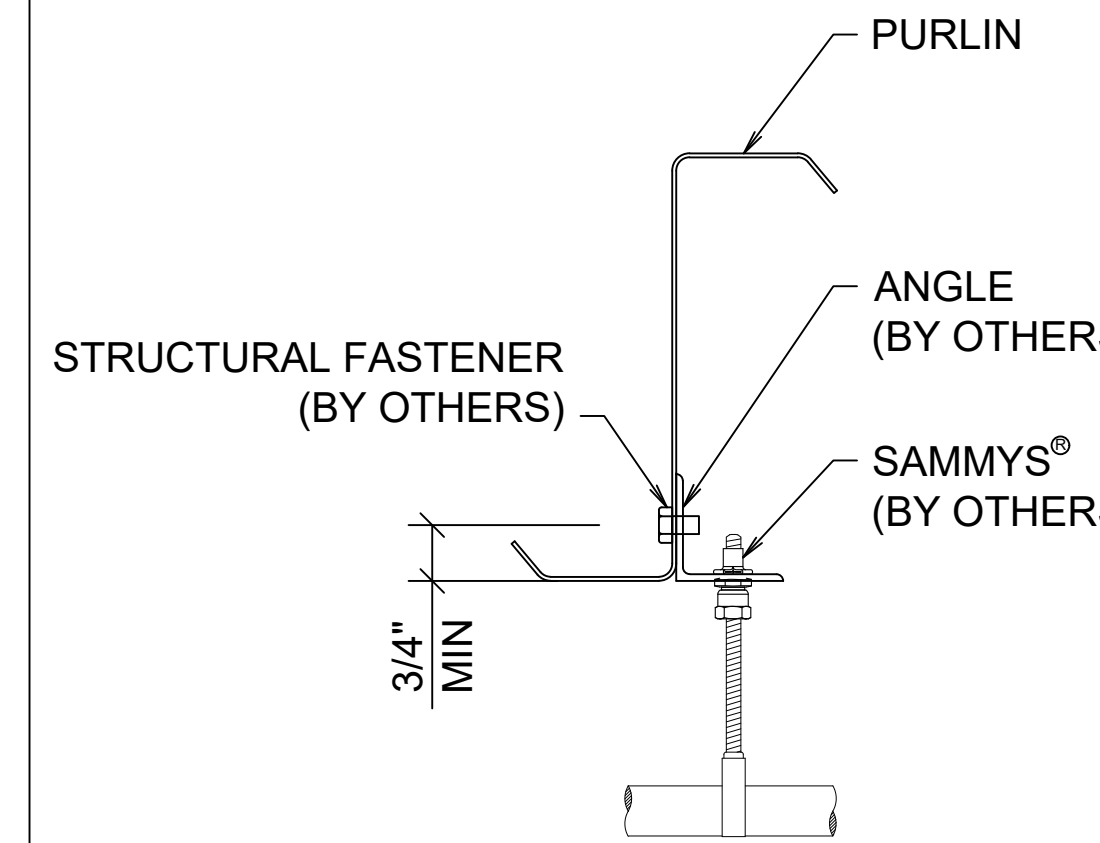
TYPE II CONNECTION NOTE:

For loads exceeding the limits of Type I connections, utilize one of the Type II methods shown at right or a similar method provided by the Registered Design Professional. All loads suspended from purlins shall have the load introduced through the web and not the flange of the purlin other than what are shown on this page. Hangers cannot be supported from the lip at the edge of the flange.



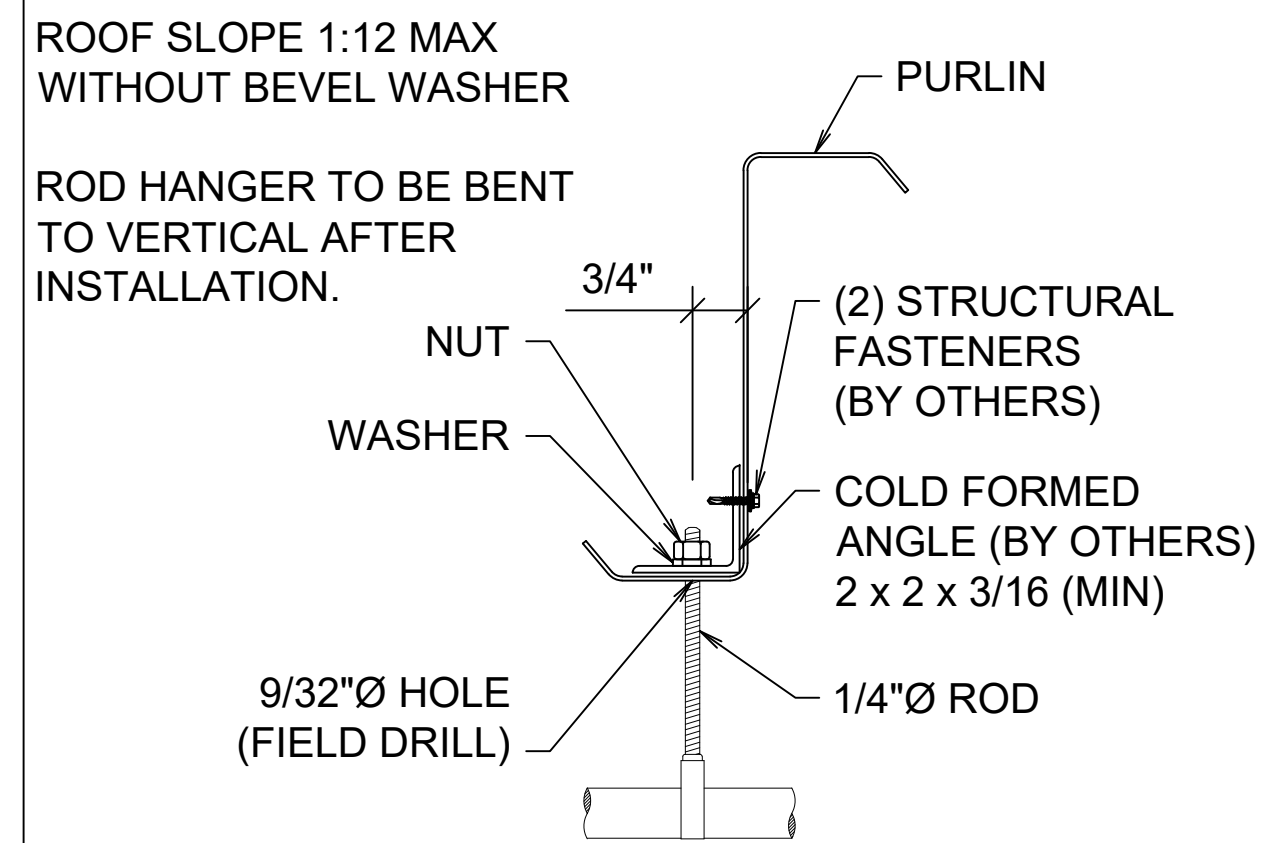
HANGER DETAIL AT PURLINS
 SAMMYS® CONNECTION

TYPE II



HANGER DETAIL AT PURLINS
 SAMMYS® CONNECTION

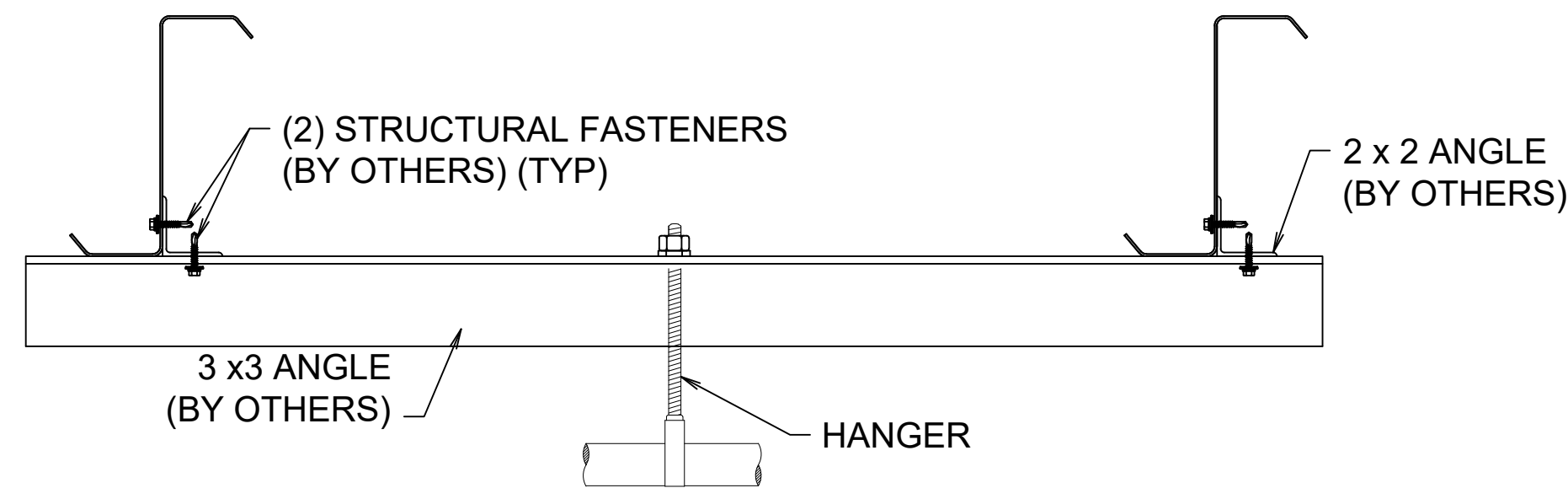
TYPE II



HANGER DETAIL AT PURLINS
 NUT/WASHER CONNECTION

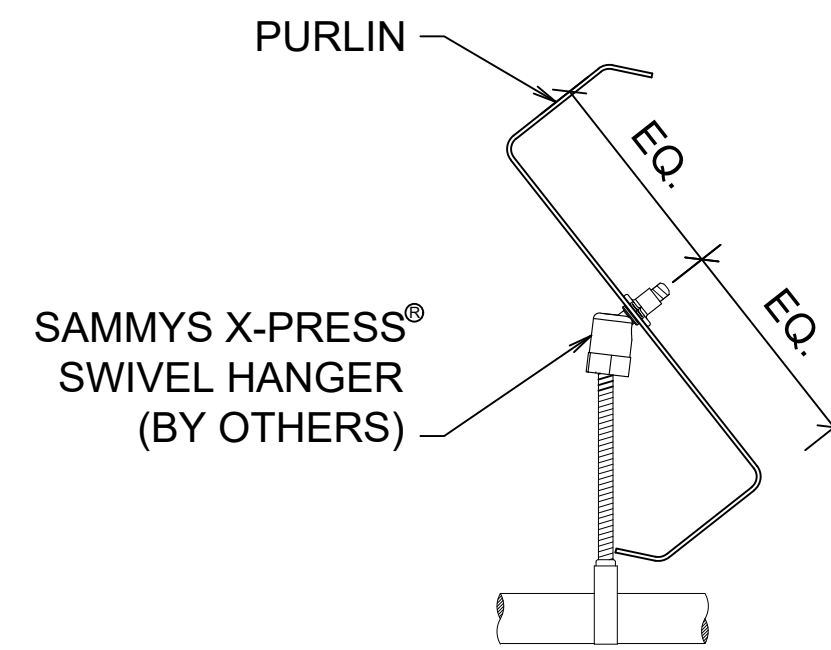
TYPE II

DO NOT ATTACH ANGLES TO PURLIN FLANGES.



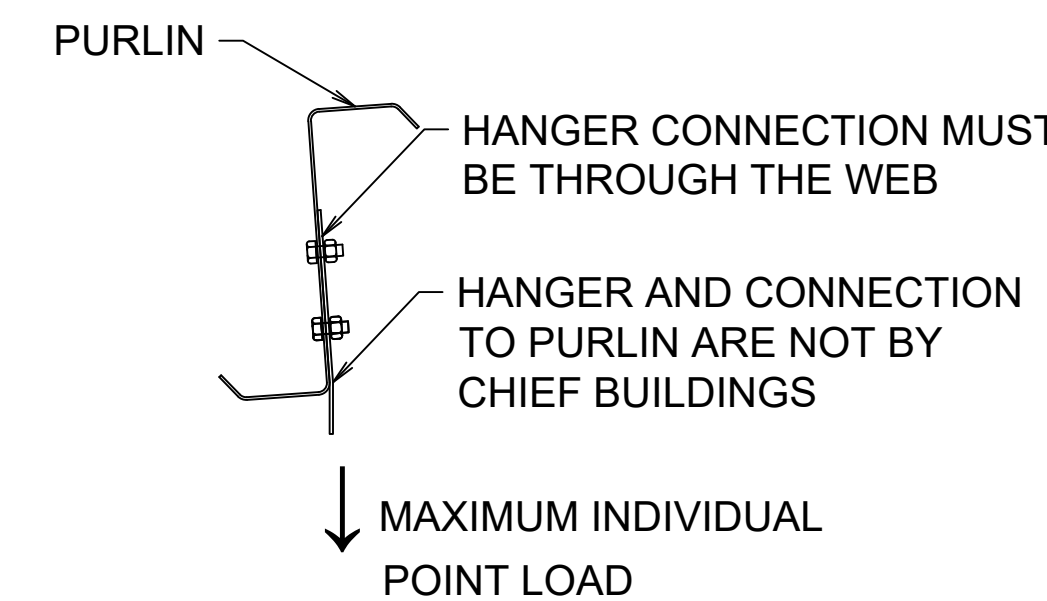
HANGER DETAIL AT PURLINS
 ANGLE ATTACHMENT

TYPE II



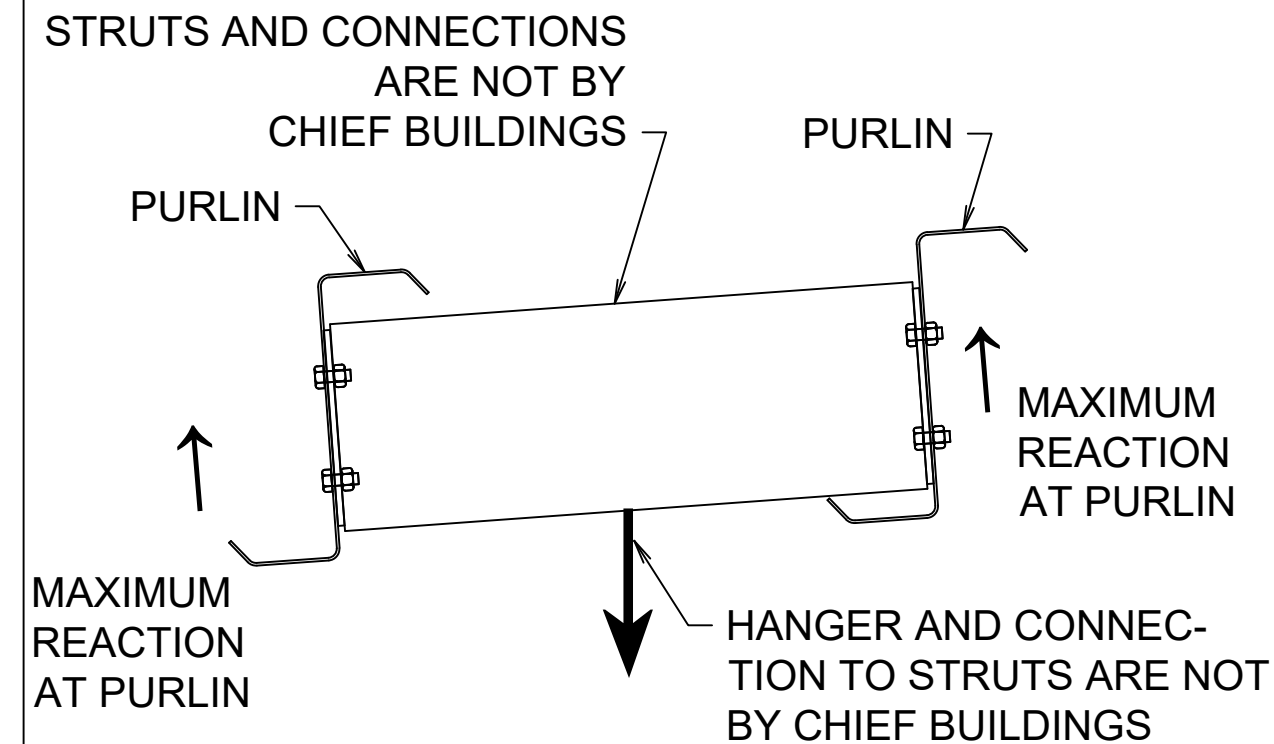
HANGER DETAIL AT PURLINS
 SWIVEL CONNECTION

TYPE II



HANGER DETAIL AT
 INDIVIDUAL ZEE PURLIN

TYPE II



HANGER DETAIL
 BETWEEN ZEE PURLINS

TYPE II

NOTE:
 CHIEF BUILDINGS IS NOT RESPONSIBLE FOR THE DESIGN OR ADEQUACY OF THE ROD OR ANGLE AND ITS ATTACHMENTS.

RELEASED	09-28-20
SUPERSEDES	10-24-19

REVISIONS

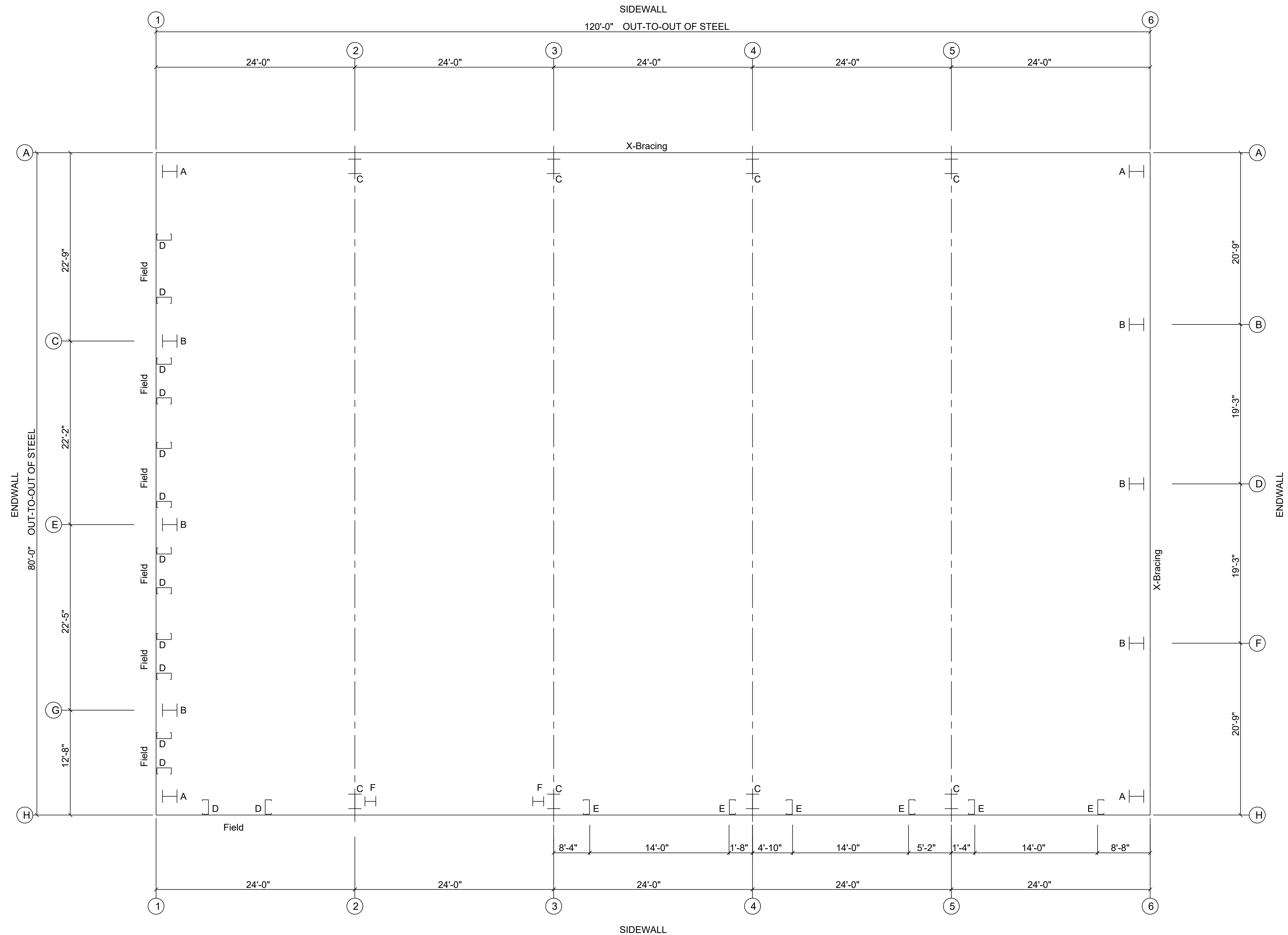
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 (308) 389-7289 cs@chiefind.com



05 20 21

Drawing	COLLATERAL LOADING AND ATTACHMENTS		
Buyer	Powermaster Electric, Inc		
Customer	PowerMaster Electric Fuquay-Varina, NC 27526		
Project Name	New Office/Warehouse		
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.
	DAR	xxx	B3020492
	5/19/2021	xx/xx/xx	G4



ANCHOR ROD PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)

REFERENCE NOTES:

- All Anchor Rods including nuts and washers for same are not furnished by CHIEF BUILDINGS.
- Anchor Rod material shall conform to ASTM F1554 having a yield of 36 KSI or greater.
- Rod projections are recommended minimums based on the base plate bearing directly on the concrete pier. If the base plate is to bear on grout, the rod projection must be increased accordingly.
- Concrete shall have a minimum strength of 3000 PSI.
- ALL DRAWINGS ARE NOT TO SCALE.

NOTE: Finish Floor @ 100'-0"

ANCHOR ROD SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
40	Jamb	1/2"	F1554	1.50
40	Endwall	3/4"	F1554	2.00
32	Frame	3/4"	F1554	2.00
12	WindCol	3/4"	F1554	2.00

REVISIONS

Rev	Description
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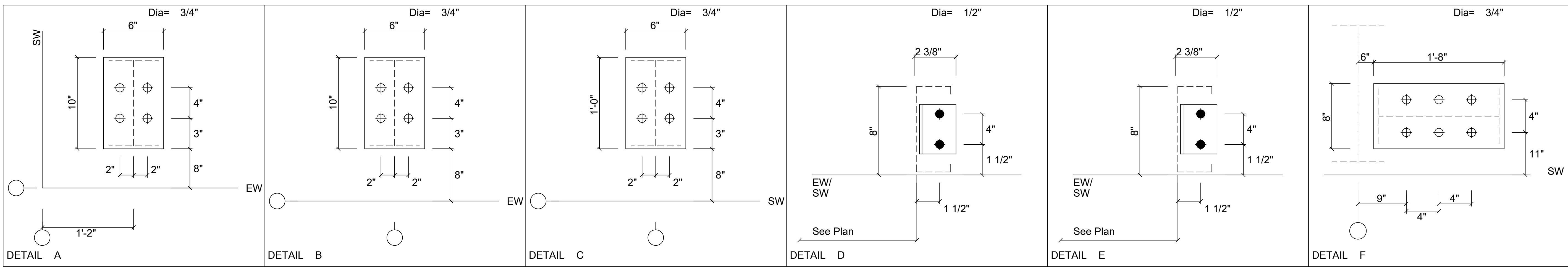
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05 20 21

Drawing	ANCHOR ROD			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	A1 A3
	DAR	ME	B3020492	
	5/19/21	5/20/21		



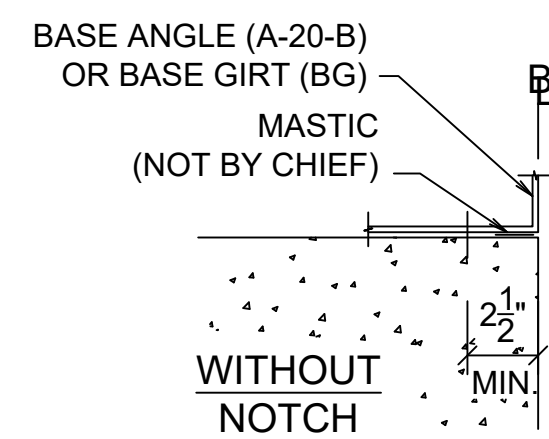
BASE ANCHORAGE SPACING FOR STANDARD BASE ANGLE, BASE GIRT OR ONE PIECE BASE WITH CS OR AP WALLS		
FASTENER TYPE & DIAMETER	MINIMUM EMBEDMENT	MAXIMUM SPACING
1/4" WEDGE ANCHOR ①	1 1/4"	3'-0"
1/4" SCREW TYPE ANCHOR ②	1 1/2"	3'-0"
3/8" CAST-IN ANCHOR	4" WITH HOOK OR HEAD	3'-0"
1/4" HAMMER-IN ③	1 3/8"	2'-0"
0.14 POWDER ACTUATED ④	1 1/4"	1'-6"

① HILTI KWIK BOLT®, RAMSET TRUBOLT®, POWERS POWERSTUD®, OR EQUAL
 ② CFS TAPCON®, HILTI KWIK-CON II®, POWERS WEDGE-BOLT®, OR EQUAL
 ③ POWERS ZAMAC HAMMER SCREW®, HILTI METAL HIT ANCHOR®, OR EQUAL
 ④ POWERS BALLISTIC POINT PIN, RAMSET 1500/1600 SERIES, HILTI UNIVERSAL NAIL OR EQUAL

FASTENER SPACING CHART

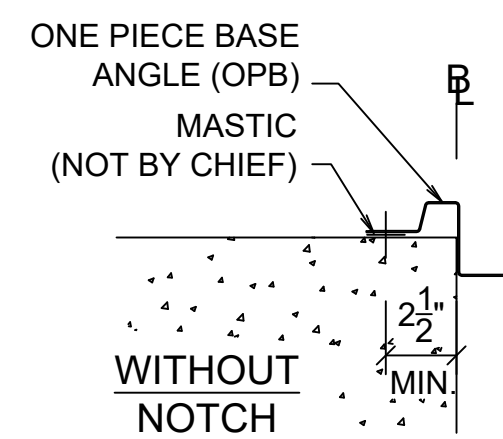
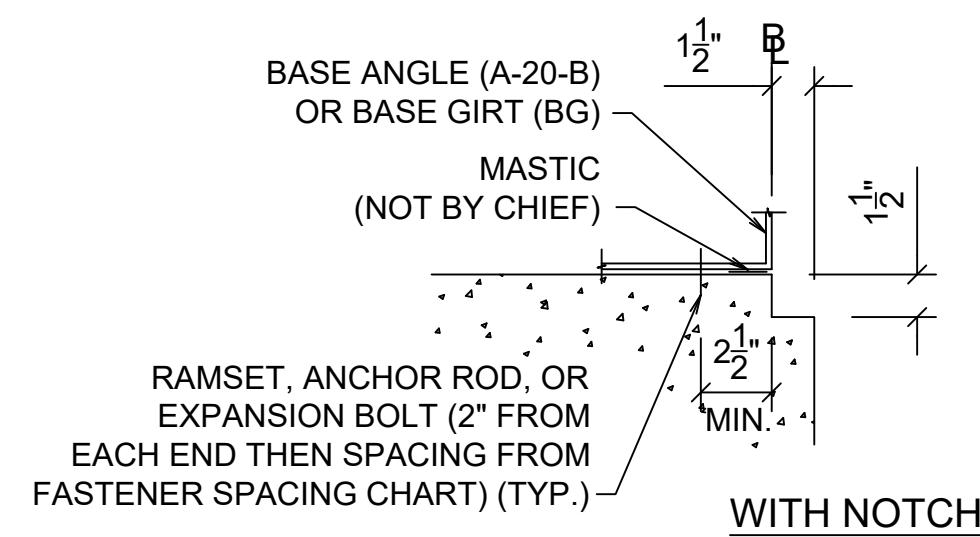
REFERENCE NOTES:

1. ACTUAL BASE PLATE DIMENSIONS MAY BE SMALLER THAN BASE PLATE DIMENSIONS SHOWN.



BASE MEMBER DETAILS

CONTRACTOR IS RESPONSIBLE FOR ANCHORING BASE MEMBER TO CONCRETE.



REVISIONS

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Chief Buildings
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05 20 21

TO BE USED FOR CONSTRUCTION

Drawing	ANCHOR ROD			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	A2 A3
	DAR	ME	B3020492	
	5/19/21	5/20/21		

1. Column footings and piers must be designed to withstand horizontal and vertical reactions as shown on the anchor rod plan. Chief Buildings is not responsible for design of concrete foundation. Chief Buildings recommends that the services of a qualified engineer be obtained by the contractor / builder to design the foundations for the indicated reactions.

2. Reactions are given in kips. (1 kip = 1000 lbs.) moments, if any, are given in kip-ft.

3. Anchor rod design is based on shear, tension, and combined tension and shear. Chief Buildings is not responsible for anchor rod size recommendations when anchor rod configuration places the rods in a bending mode. When the column base plate bears on grout, the contractor / builder or foundation engineer shall investigate bending in the anchor rods and provide a shear key for the column base to the pier when the anchor rods are not adequate in bending about the pier.

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horiz	Wind Suct Horiz	Wind Long1 Vert	Wind Long2 Vert
1	A	1.0	0.7	3.5	1.9	-5.8	-3.1	-4.2	-1.6	0.0	0.0	-4.9	-3.2
1	C	1.8	1.8	7.2	3.8	-12.4	-7.3	-8.9	-3.7	-7.0	7.7	-12.3	-6.4
1	E	1.6	1.6	6.3	3.3	-7.1	-9.8	-4.4	-7.0	-7.6	8.4	-6.2	-9.0
1	G	1.5	1.5	5.7	3.0	-5.8	-9.7	-2.8	-6.8	-5.1	5.6	-5.6	-10.2
1	H	0.7	0.3	1.9	1.0	-1.8	-3.0	-1.1	-2.3	0.0	0.0	-1.5	-1.7

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	-MIN_SNOW-- Horiz	E1UNB_SL_L- Vert	E1UNB_SL_R- Vert
1	A	0.0	0.1	0.0	2.7	0.0
1	C	0.0	-0.1	0.0	5.4	0.0
1	E	-0.1	0.0	0.0	4.7	0.0
1	G	0.0	0.0	0.0	4.3	0.0
1	H	0.1	0.0	0.0	1.4	0.0

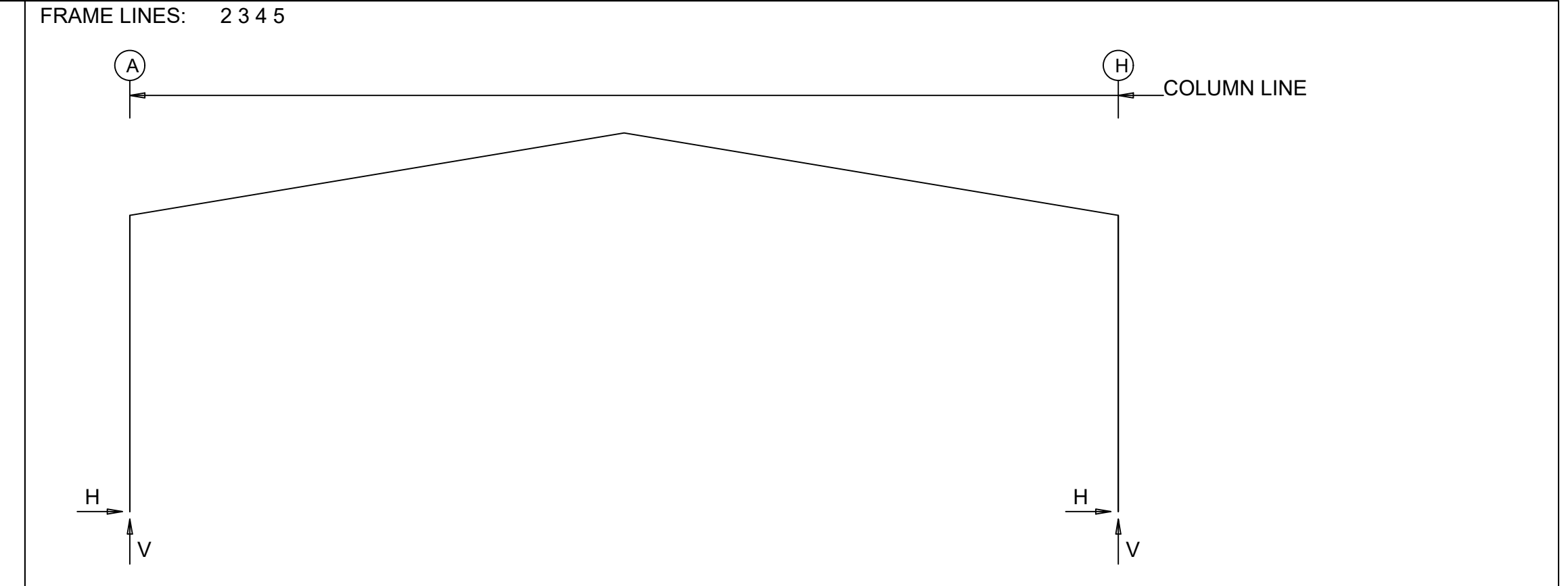
Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horiz	Wind_Right1 Horiz	Wind_Left2 Horiz	Wind_Right2 Horiz	Wind Press Horiz
6	H	0.9	0.6	2.9	1.6	0.0	-5.4	0.0	-3.6	0.0
6	F	1.7	1.7	6.1	3.5	-3.2	-16.1	0.0	-1.3	-3.2
6	D	1.5	1.3	4.9	2.8	0.0	-1.2	3.2	-11.4	0.0
6	B	1.7	1.7	6.1	3.5	0.0	-6.7	0.0	-11.3	0.0
6	A	0.9	0.6	2.9	1.6	0.0	-3.6	0.0	-5.4	0.0

Frm Line	Col Line	Wind Suct Horiz	Wind_Long1 Horiz	Wind_Long2 Horiz	Seis_Left Horiz	Seis_Right Horiz	-MIN_SNOW-- Horiz	E2UNB_SL_L- Horiz	E2UNB_SL_R- Horiz
6	H	0.0	0.0	-4.7	0.0	-2.9	0.0	0.0	0.0
6	F	6.8	0.0	-9.2	-1.4	-8.3	-0.7	-1.1	0.0
6	D	7.4	1.4	-7.5	0.0	-3.1	0.0	1.1	0.8
6	B	6.8	0.0	-6.2	0.0	-11.5	0.0	0.0	0.0
6	A	0.0	0.0	-2.9	0.0	-4.7	0.0	0.0	0.0

Frm Line	Col Line	E2UNB_SL_R- Horiz	E2PAT_LL_1- Horiz	E2PAT_LL_2- Horiz	E2PAT_LL_3- Horiz	E2PAT_LL_4- Horiz	E2PAT_LL_5- Horiz
6	H	0.0	0.5	0.0	2.3	0.0	-0.2
6	F	0.0	0.7	0.0	6.5	0.0	2.4
6	D	0.0	3.5	0.0	2.4	0.0	6.1
6	B	0.0	4.2	0.0	-0.3	0.0	2.4
6	A	0.0	1.5	0.0	0.0	-0.2	0.0

ENDWALL COLUMN: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin
1	A	2	0.0	-2.9	2	0.0	-2.9
1	C	6	4.6	-6.4	7	-4.2	-6.3
1	E	8	5.0	-4.9	9	-4.5	-4.4
1	G	10	3.4	-5.2	9	-3.0	-5.2
1	H	3	0.0	-1.4	3	0.0	-1.4
6	H	2	0.0	-2.7	2	0.0	-2.7
6	F	6	4.1	-8.7	7	-3.7	-4.5
6	D	8	4.5	-6.0	7	-4.0	-3.6
6	B	10	4.1	-5.9	8	-3.7	-5.9
6	A	3	0.0	-2.7	3	0.0	-2.7



RIGID FRAME: MAXIMUM REACTIONS

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin
2*	A	5	12.8	24.6	2	-8.4	-12.3
2*	H	3	8.4	-12.3	5	-12.8	24.6
2*		5	-12.8	24.6	3	8.4	-12.3

2* Frame lines: 2 3 4 5

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	----Dead---- Horiz	----Collateral---- Horiz	----Live---- Horiz	----Snow---- Horiz	--Wind_Left1-- Horiz	--Wind_Right1-- Horiz
2*	A	2.1	4.6	2.7	4.9	6.3	12.5
2*	H	-2.1	4.6	-2.7	4.9	-6.3	12.5

Frame Line	Column Line	--Wind_Left2-- Horiz	--Wind_Right2-- Horiz	--Wind_Long1-- Horiz	--Wind_Long2-- Horiz	-Seismic_Left Horiz	Seismic_Right Horiz
2*	A	-14.0	-15.6	-0.2	-5.8	-4.1	-31.0
2*	H	0.2	-5.8	14.0	-15.6	5.5	-16.9

Frame Line	Column Line	-Seismic_Long Horiz	-MIN_SNOW-- Horiz	F1UNB_SL_L- Horiz	F1UNB_SL_R- Horiz
2*	A	0.0	-3.0	8.0	15.1
2*	H	0.0	0.0	-8.0	15.1

2* Frame lines: 2 3 4 5

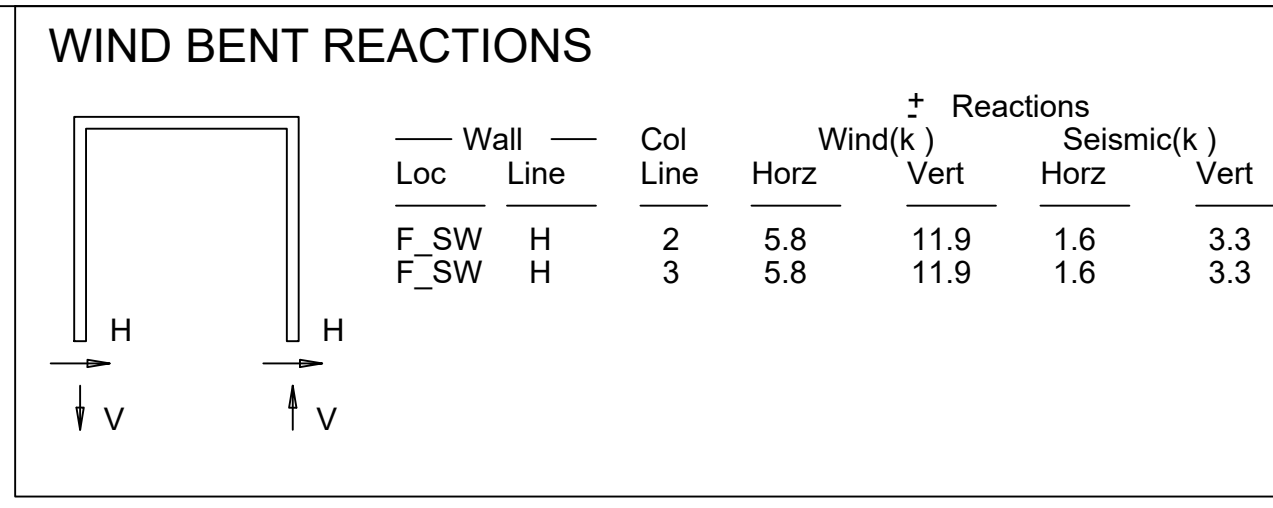
- CONTROLLING LOAD CASES**
- 1 Dead+Collateral+Live
 - 2 0.6Dead+0.6Wind_Left1
 - 3 0.6Dead+0.6Wind_Right1
 - 4 0.6Dead+0.6Wind_Long1L
 - 5 Dead+Collateral+MIN_SNOW
 - 6 0.6Dead+0.6Wind_Left1+0.6Wind_Suction
 - 7 0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
 - 8 0.6Dead+0.6Wind_Right1+0.6Wind_Suction
 - 9 0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
 - 10 0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
 - 11 Dead+Collateral+E2PAT_LL_1
 - 12 Dead+Collateral+E2PAT_LL_2
 - 13 Dead+Collateral+E2PAT_LL_3

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	Wind Horiz	Wind Vert	Seismic Horiz	Seismic Vert	Panel Shear (lb/ft)	Note
L_EW	1							(i)
F_SW	H	2,3						(a)
R_EW	6	F,D	3.2	4.8	0.8	1.1		
B_SW	A	4,3	11.6	10.8	3.2	3.0		

(a) Wind bent in bay
(i) Bracing in roof to rigid frame

Building Code	North Carolina Building Code 2018
IBC Risk Category	II - Standard Buildings
Roof Live Load	20 psf
Tributary Area Reduction Allowed	Yes
Collateral Load	5 psf
Ground Snow Load (Pg)	15 psf
Exposure Factor (Ce)	1.0
Thermal Factor (Ct)	1.0
Importance Factor (I)	1.00
Flat Roof Snow Load (Pf)	10.50 psf
Minimum Roof Snow Load (Pm)	15 psf - Not used with drift, sliding, unbalanced, or partial loads.
Drift Surcharge Load, Pd and Snow Drift	None
Width, w	
Building Enclosure	Closed
Ultimate Design Wind Speed (Vult)	116 mph (GCpi ± 0.18)
Nominal Design Wind Speed (Vasd)	90 mph
Exposure Category	C
Wind Pressure (q)	27.3 psf
Seismic	
Spectral Response Short Periods (Ss)	17.00%
Spectral Response 1 s Period (S1)	8.20%
Seismic Importance Factor	1
Seismic Design Category	B
Site Class	D
Seismic Resisting System	
Longitudinal Direction	Steel System (R=3.00)
Lateral Direction	Steel System (R=3.00)
Seismic Response Coefficient (Cs)	0.060
Spectral Response Parameter Short Period (SDS)	0.181
Spectral Response Parameter 1 s Period (SD1)	0.131
Analysis Procedure:	ELF
Base Shear	6.46 kips
Other Loads:	None



TO BE USED FOR CONSTRUCTION

REVISIONS

4		
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(308) 389-7289 cs@chiefind.com

05 20 21



Drawing	ANCHOR ROD			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	A3
	DAR	ME	B3020492	
	5/19/21	5/20/21		

INDEPENDENT MEZZANINE

Mezzanine loading information:

The building provided by Chief Buildings does not include structural support for the mezzanine, which is furnished by others.

Chief Buildings neither assumes nor accepts any responsibility for the design of the mezzanine. The mezzanine must be designed to resist all vertical and lateral loads without relying on the building provided by Chief Buildings for any support. It is the responsibility of the Buyer/Contractor and/or End Owner to have the mezzanine design performed by a registered design professional.

**FINAL DESIGN DRAWINGS
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REVISIONS

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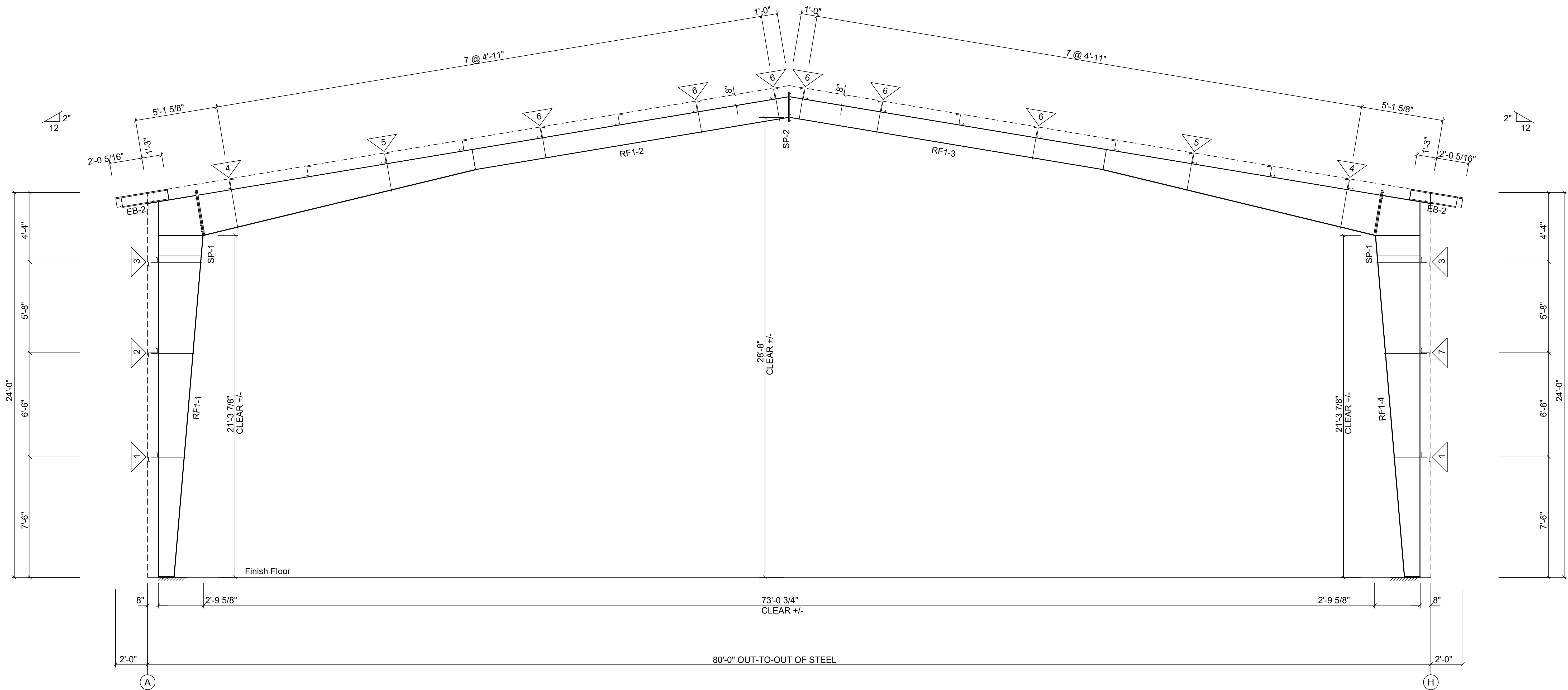
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Drawing	PROJECT NOTES			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	N1
	DAR	xxx	B3020492	N1
	5/19/21	xx/xx/xx		



SPLICE BOLT TABLE						
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	1"	3 1/4"
SP-2	4	4	0	A325	5/8"	2"

FLANGE BRACE TABLE					
FRAME LINE 2 3 4 5					
▽ ID	#	MARK	BRACE DIST.	DETAIL	CLIP
1	1	FB4	2'-0"	1-4	XSST1
2	1	FB6	2'-0"	1-4	XSST1
3	1	FB9	3'-0"	1-8	XFBP8
4	1	FB7	2'-0"	1-4	XSST1
5	1	FB5	2'-0"	1-4	XSST1
6	1	FB3	1'-0"	1-4	XSST1
7	1	FB8	3'-0"	1-8	XFBP8



RIGID FRAME ELEVATION: FRAME LINE 2 3 4 5

FINAL DESIGN DRAWINGS
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REFERENCE NOTES:

- Snug Tight:** Snug Tightened Joints are used. See General Information Snug Tight Sheet for bolt tightening information.
- Storage:** Fastener components shall be protected from dirt and moisture in closed containers at the site of installation. Only as many fastener components as are anticipated to be installed during the work shift shall be taken from protected storage. Fastener components that are not incorporated into the work shall be returned to protected storage at the end of the work shift.
- Bolt and Nut Specifications:** Bolts are high strength bolts conforming to ASTM F3125 Grade A325 or Grade A490. Nuts are high strength nuts conforming to ASTM A194 Grade 2 or 2H or ASTM A563 Grade C, D, or DH nut specifications. Substitution of mild steel bolts or nuts is not allowed and any field substitution will void the design warranty.
- Eave Height:** Eave height dimension is not always to the top of the eave strut. Due to thermal block situations, eave height dimension and top girt space dimension may be to the intersection of the top of the purlins. Refer to the eave details for more information.

REVISIONS	
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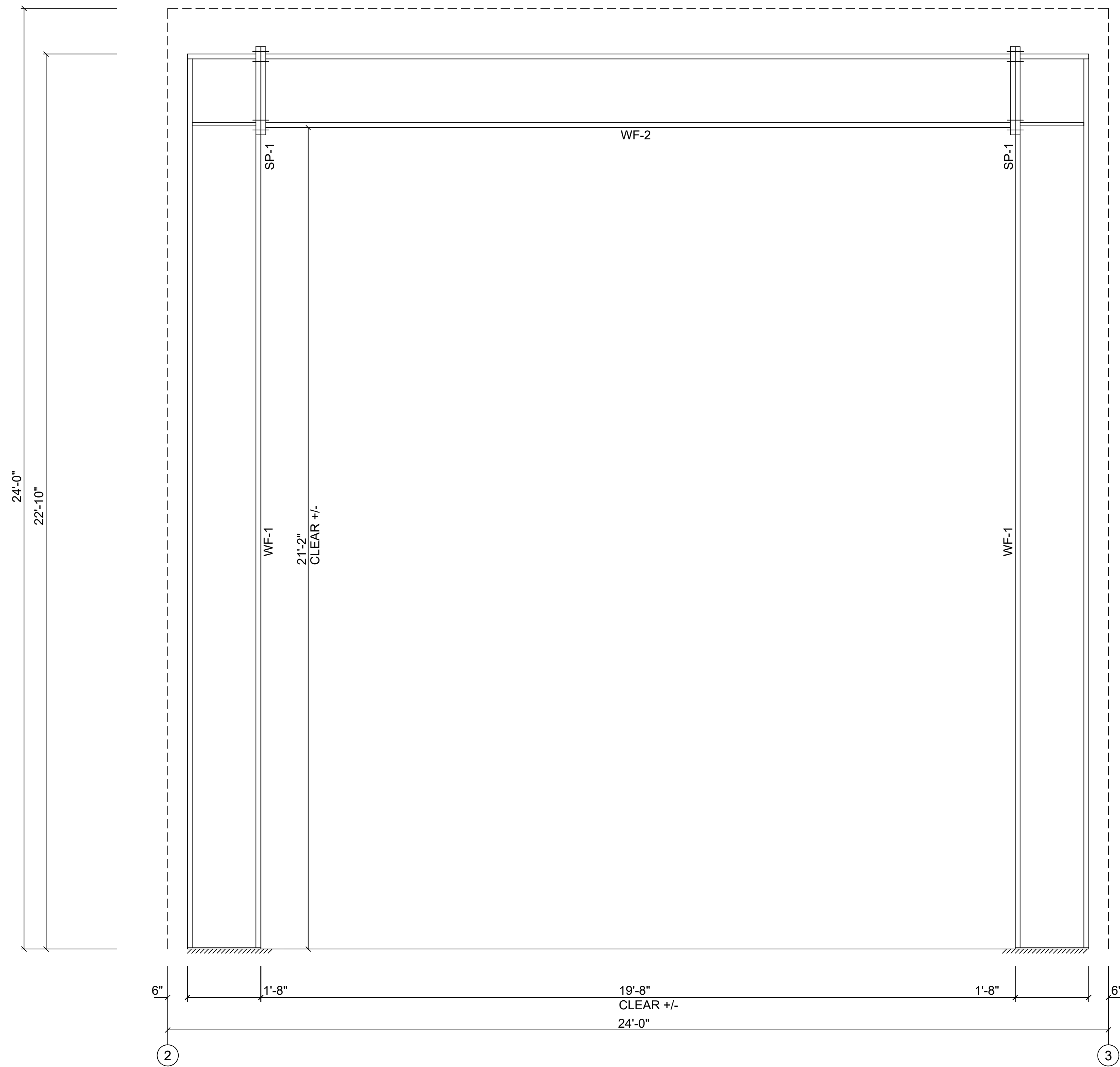
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05 20 21

Drawing	CROSS SECTION			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	CS1
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		

SPLICE BOLTS					
Splice Mark	Quan		----Bolt----		
	Top/	Bot	Type	Dia	Length
SP- 1	4	4	A325	5/8"	2"



PORTAL FRAME: FRAME LINE H

FINAL DESIGN DRAWINGS
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REFERENCE NOTES:

- Snug Tight:** Snug Tightened Joints are used. See General Information Snug Tight Sheet for bolt tightening information.
- Storage:** Fastener components shall be protected from dirt and moisture in closed containers at the site of installation. Only as many fastener components as are anticipated to be installed during the work shift shall be taken from protected storage. Fastener components that are not incorporated into the work shall be returned to protected storage at the end of the work shift.
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- Eave Height:** Eave height dimension is not always to the top of the eave strut. Due to thermal block situations, eave height dimension and top girt space dimension may be to the intersection of the top of the purlins. Refer to the eave details for more information.

REVISIONS	
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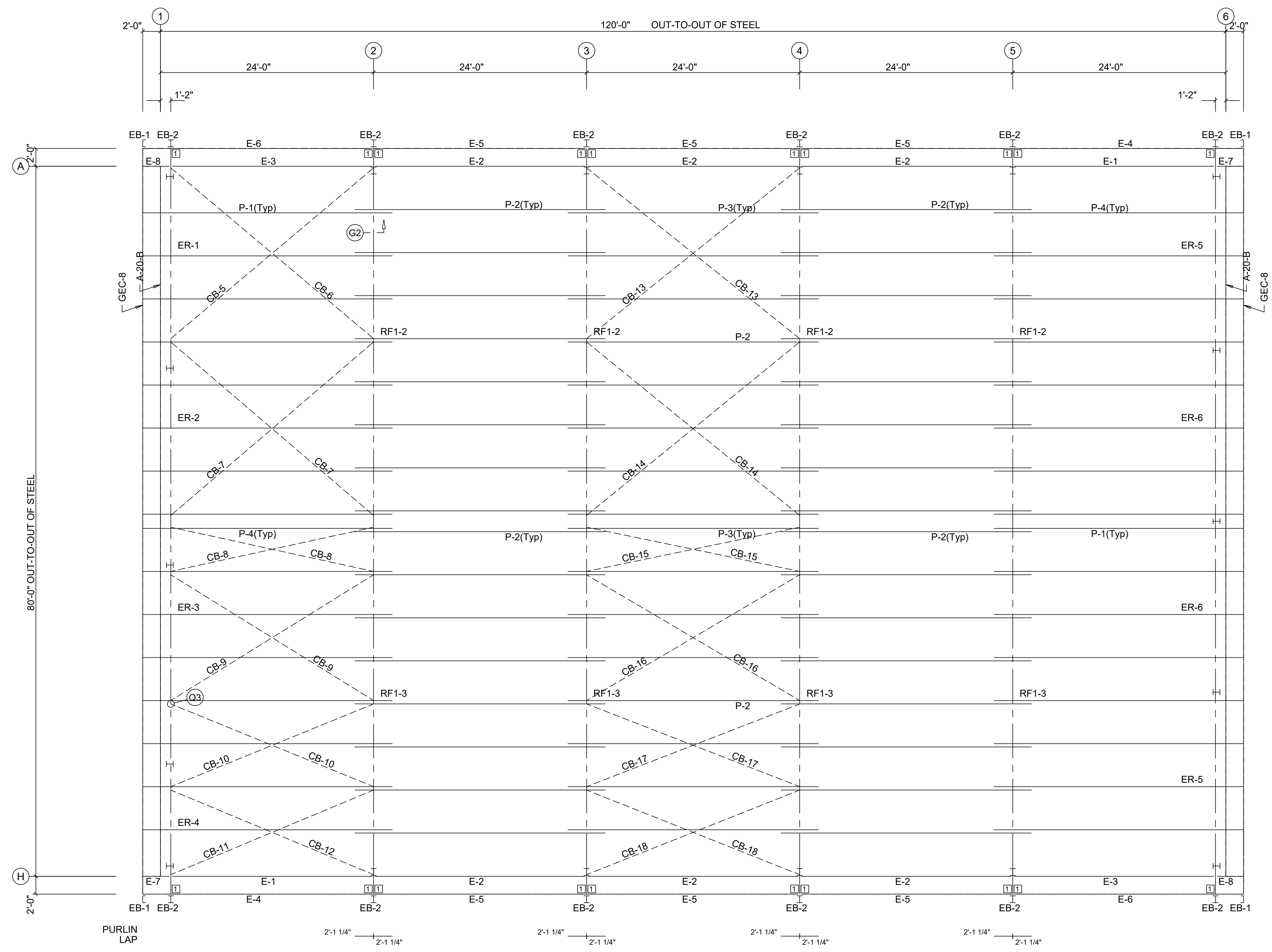


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Drawing	CROSS SECTION			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	CS2
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		

EXTENSION/CANOPY BOLTS				
ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-2	4	A325	3/4"	2"

CONNECTION PLATES		
ROOF PLAN		
ID	QUAN	MARK/PART
1	20	XBC33



FINAL DESIGN DRAWINGS
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ROOF FRAMING PLAN

PURLIN DEPTH: 8.00

- REFERENCE NOTES
- All purlins attach to framing using "STD" attachment unless noted. Refer to DETAILS GUIDE, Section 4 for bolt locations.
 - "T" = TOP SAG ANGLE.
"B" = BOTTOM SAG ANGLE.

REVISIONS	
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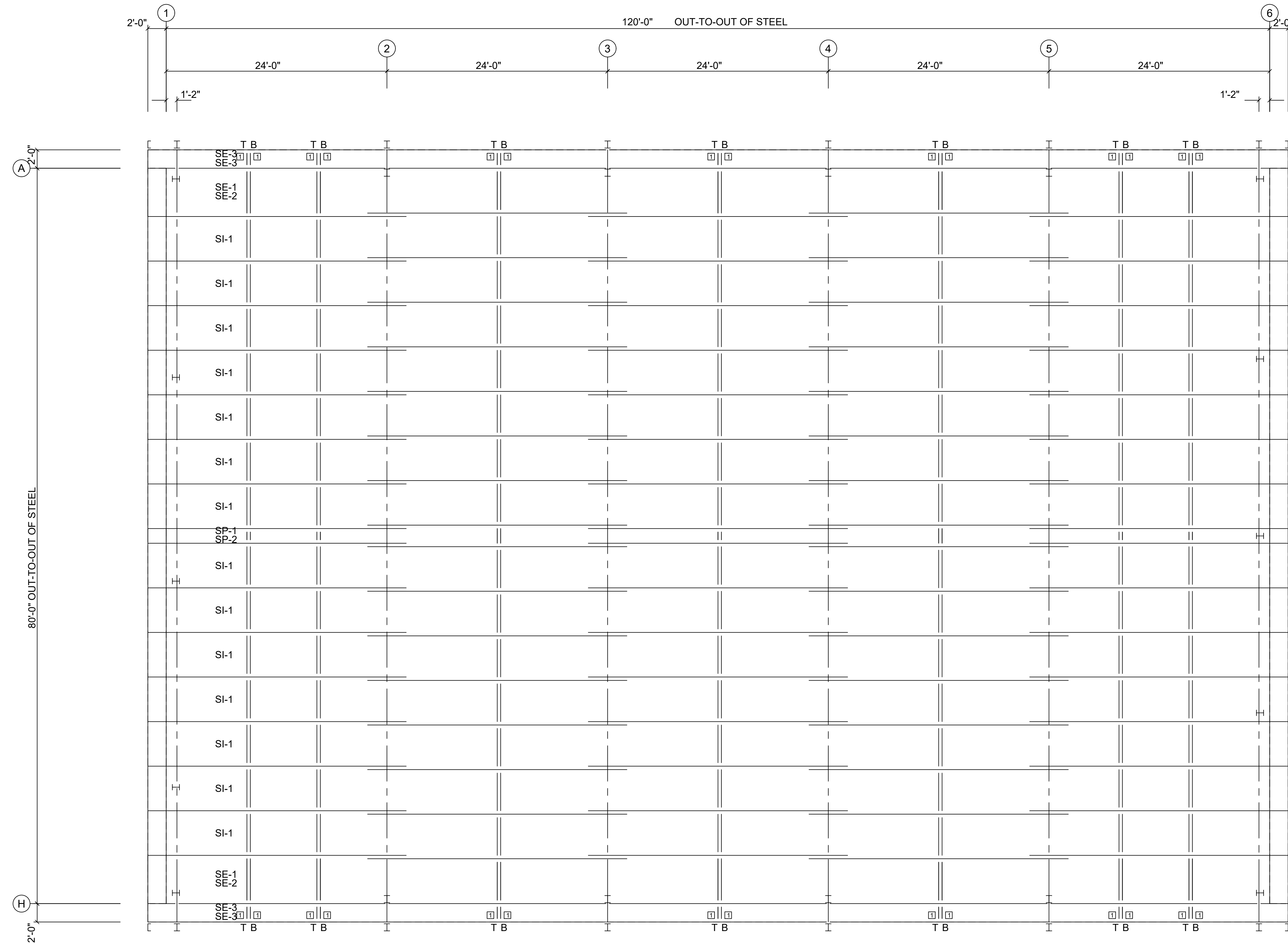
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Drawing	ROOF FRAMING			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	RF1
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		
				RF2

CONNECTION PLATES		
ID	QUAN	MARK/PART
1	-	XBC1



FINAL DESIGN DRAWINGS
FOR PERMIT USE ONLY

ROOF FRAMING PLAN

PURLIN DEPTH: 8.00

- REFERENCE NOTES
- All purlins attach to framing using "STD" attachment unless noted. Refer to DETAILS GUIDE, Section 4 for bolt locations.
 - "T" = TOP SAG ANGLE.
"B" = BOTTOM SAG ANGLE.

REVISIONS	
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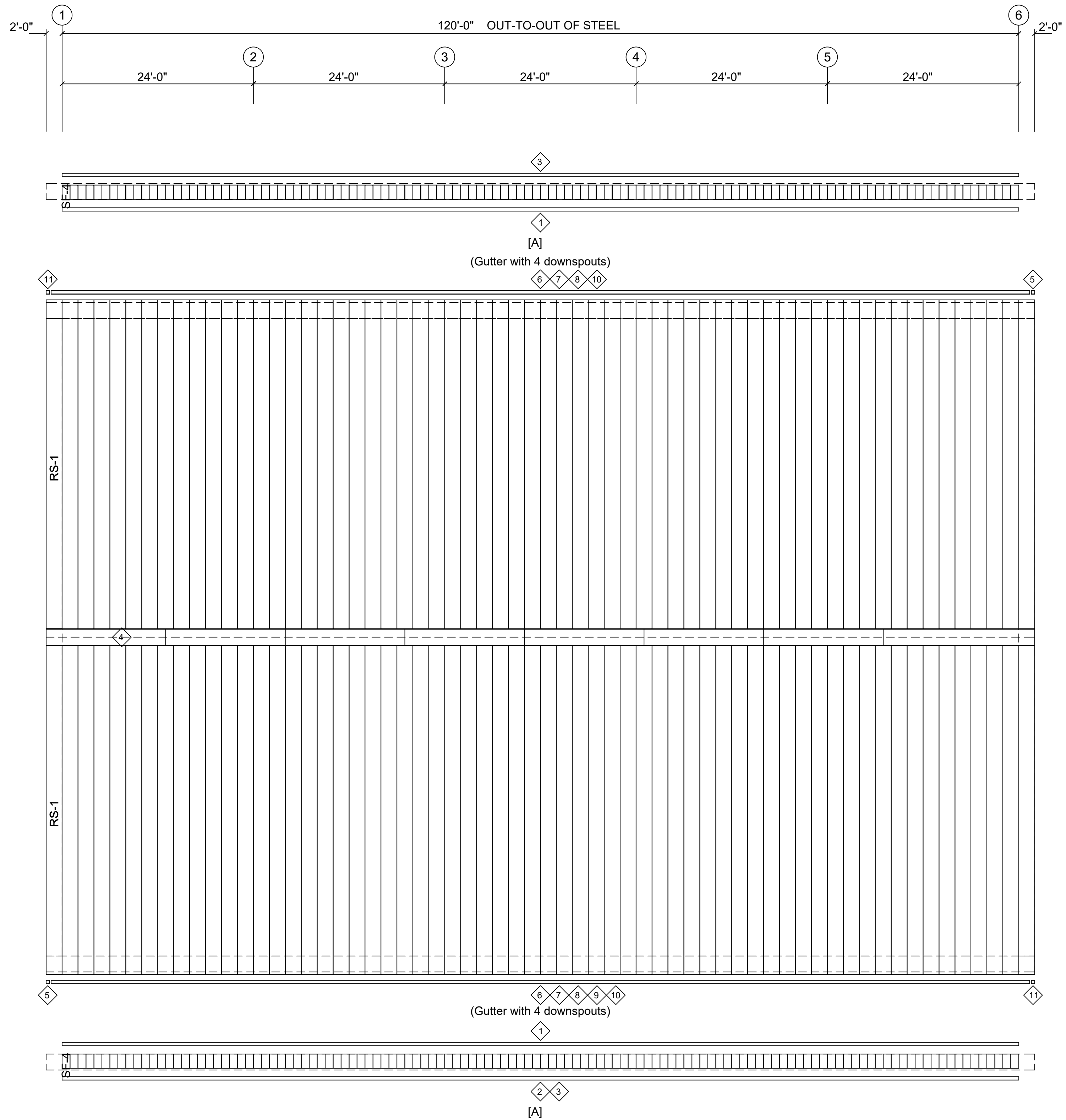
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Drawing	ROOF FRAMING		
Buyer	Powermaster Electric, Inc		
Customer	PowerMaster Electric Fuquay-Varina, NC 27526		
Project Name	New Office/Warehouse		
	DRAWN	CHECK	ORDER NO.
	DAR	xxx	B3020492
	5/19/21	xx/xx/xx	
			RF2



TRIM TABLE ROOF PLAN				
ID	QUAN.	PART	COLOR	LENGTH
1	20	SBLT06	RB	146"
2	5	EF6B	RB	146"
3	12	EF6A	RB	206"
4	8	RCL26A	GM	201"
5	2	ECLM26	RB	9"
6	2	EGLM26C	RB	74"
7	14	EGLM26A	RB	206"
8	124	GSMA	GM	12 13/16"
9	1	EEFA6B	RB	146"
10	14	EEFA6A	RB	206"
11	2	ECRM26	RB	9"
12	4	JTS6B	RB	74"
13	12	JTS6A	RB	146"
14	12	SCT6A	PA	206"

PANEL TABLE ROOF PLAN		
QUAN	MARK	LENGTH
126	RS-1	511"
240	SF-4	21 1/2"

FINAL DESIGN DRAWINGS
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ROOF PANEL PLAN

PANELS: 24 Ga. MSC - Galvalume
[A] SOFFIT PANELS: 24 Ga. FSP - Royale Blue

REVISIONS	
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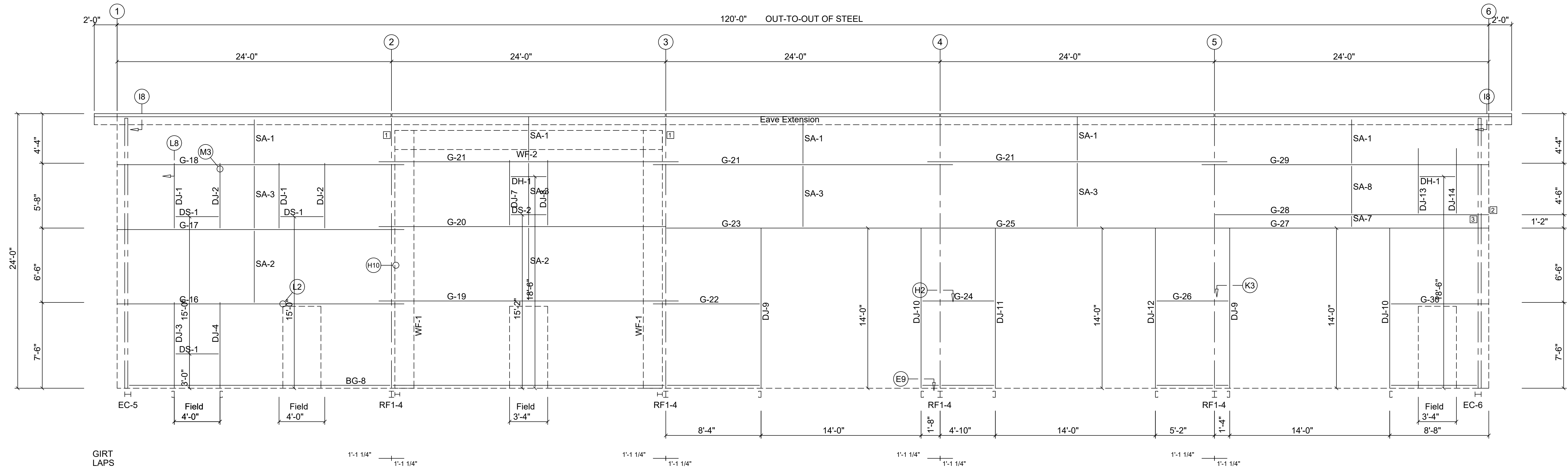


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- Reference Note:
Roof Panel system is based on the following
- 1) MSC High system (Clip offset = 1 3/8" ; Bottom of roof panel to top of purlin)
 - 2) A clip MUST be installed on ALL purlins unless noted otherwise.
 - 3) (2) 1/4-14 x 1" fasteners per clip unless otherwise noted.
 - 4) 1" Thermal Spacers

Drawing	ROOF PANEL			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	RP1
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		

CONNECTION PLATES		
FRAME LINE H		
ID	QUAN	MARK/PART
1	2	XPF2
2	1	XGA24
3	1	XBC87



SIDEWALL FRAMING: FRAME LINE H

FINAL DESIGN DRAWINGS
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GIRT DEPTH: 8.00

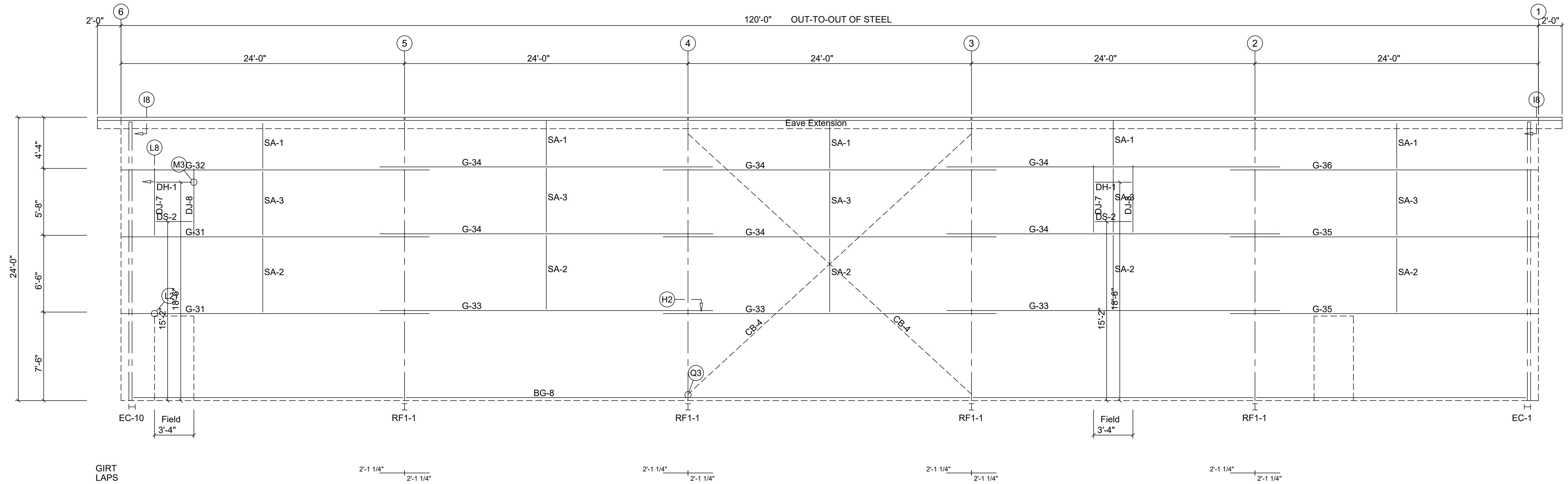
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Drawing	SIDEWALL DRAWING			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	S1
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		
				S4



SIDEWALL FRAMING: FRAME LINE A

FINAL DESIGN DRAWINGS
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GIRT DEPTH: 8.00

REVISIONS	
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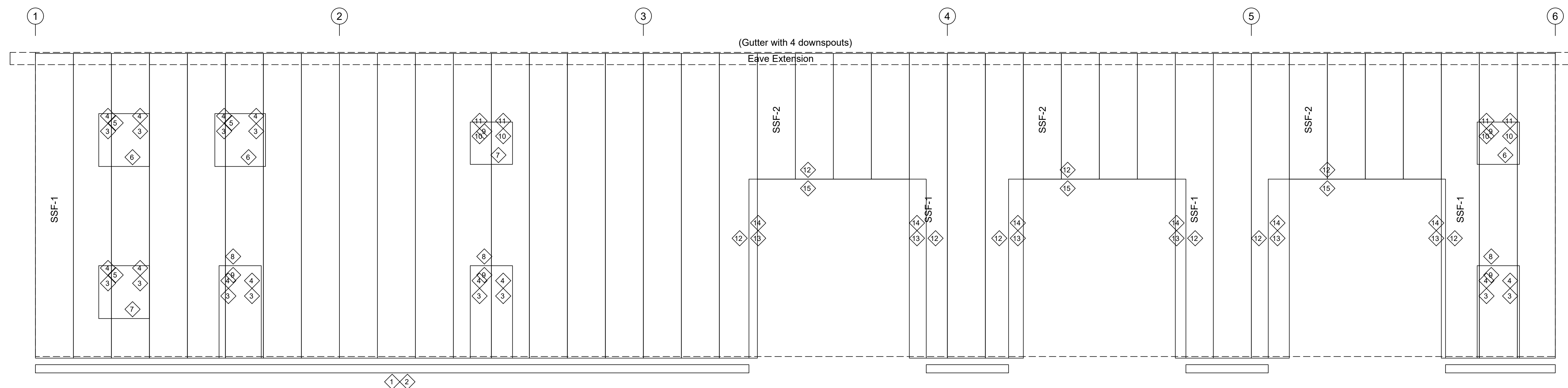


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Drawing	SIDEWALL DRAWING			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	S2 S4
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		

TRIM TABLE				
LINE: H				
ID	QUAN.	MARK	COLOR	LENGTH
1	4	BTN6B	RB	146"
2	3	BTN6A	RB	206"
3	12	JT6C	RB	90"
4	12	COT6C	RB	90"
5	3	HT6C	RB	90"
6		WFS6B	RB	SCRAP
7	2	WFS6B	RB	146"
8	3	WL86B	CG	42"
9	5	HT6D	RB	52"
10		JT6C	RB	SCRAP
11		COT6C	RB	SCRAP
12	9	DT86A	RB	206"
13	6	JT6A	RB	206"
14	6	COT6A	RB	206"
15	3	HT6A	RB	206"

PANEL TABLE		
FRAME LINE H		
QUAN	MARK	LENGTH
28	SSF-1	288 1/2"
12	SSF-2	119"



SIDEWALL PANEL & TRIM: FRAME LINE H
 PANELS: 26 Ga. CS - Parchment

**FINAL DESIGN DRAWINGS
 FOR PERMIT USE ONLY**

NOTE: Building " 0 ", Column Line " 0 "
 (STANDARD GUTTER) (SINGLE DOWNSPOUT DROP)
 (0) Downspout drops provided for this wall
 Each drop consists of:
 (0) 12'-0" Downspout(s) (0) "A" Elbow(s)

GENERAL NOTES:
 1. For opening trim, Refer to General Details Manual.

REVISIONS	
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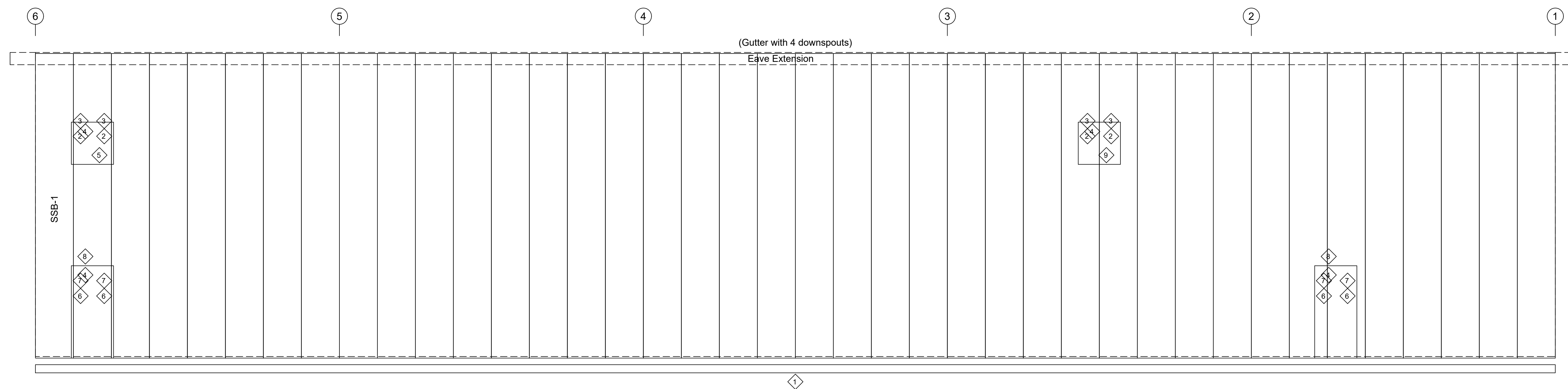
PROFESSIONAL SEAL
 033382
 ENGINEER
 DWANE J. VOBOURN

05 20 21

Drawing	SIDEWALL DRAWING			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	S3
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		
				S4

TRIM TABLE				
LINE: A				
ID	QUAN.	MARK	COLOR	LENGTH
1	7	BTN6A	RB	206"
2		JT6C	RB	SCRAP
3		COT6C	RB	SCRAP
4	4	HT6D	RB	52"
5		WFS6B	RB	SCRAP
6	4	JT6C	RB	90"
7	4	COT6C	RB	90"
8	2	WL86B	CG	42"
9	1	WFS6B	RB	146"

PANEL TABLE		
FRAME LINE A		
QUAN	MARK	LENGTH
40	SSB-1	288 1/2"



SIDEWALL PANEL & TRIM: FRAME LINE A

PANELS: 26 Ga. CS - Parchment

**FINAL DESIGN DRAWINGS
FOR PERMIT USE ONLY**

NOTE: Building " 0 ", Column Line " 0 "
(STANDARD GUTTER) (SINGLE DOWNSPOUT DROP)
(0) Downspout drops provided for this wall
Each drop consists of:
(0) 12'-0" Downspout(s) (0) "A" Elbow(s)

GENERAL NOTES:
1. For opening trim, Refer to General Details Manual.

REVISIONS	
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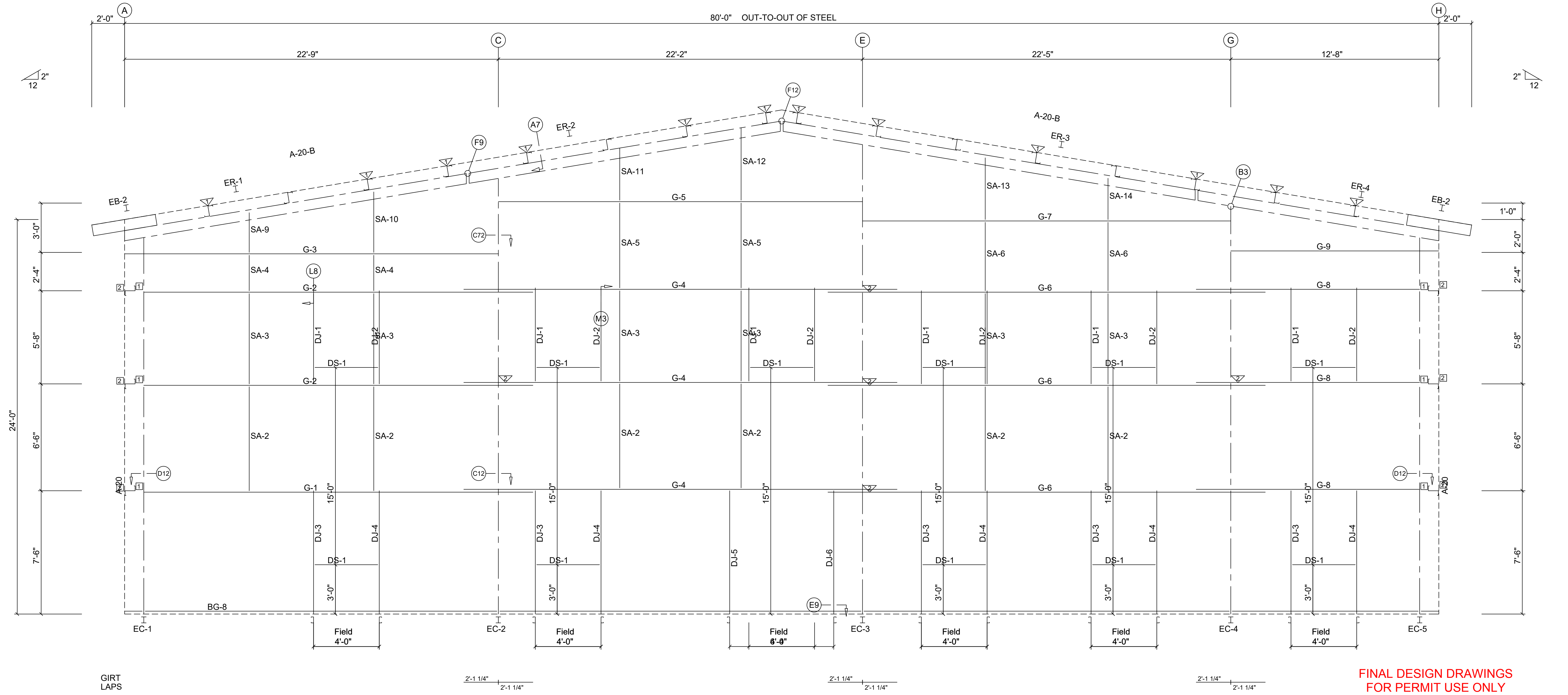
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Drawing	SIDEWALL DRAWING			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
CHIEF BUILDINGS	DRAWN	CHECK	ORDER NO.	S4
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		

CONNECTION PLATES FRAME LINE 1			
ID	QUAN	MARK	PART
1	6	XBC38	
2	6	XGA24	

FLANGE BRACE TABLE FRAME LINE 1						
▽ ID	#	MARK	BRACE DIST.	DETAIL	CLIP	PART
1	1	FB1	1'-0"	1-4	XSST1	L15151/8
2	1	FB2	1'-0"	1-4	XSST1	L15151/8

BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325	5/8"	2"
ER-2/ER-3	8	A325	5/8"	2"
ER-3/ER-4	8	A325	5/8"	2"
Columns/Raf	4	A325	1/2"	1 1/4"



GIRT LAPS

2'-1 1/4"

2'-1 1/4"

2'-1 1/4"

FINAL DESIGN DRAWINGS
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GIRT DEPTH: 8.00

REVISIONS	
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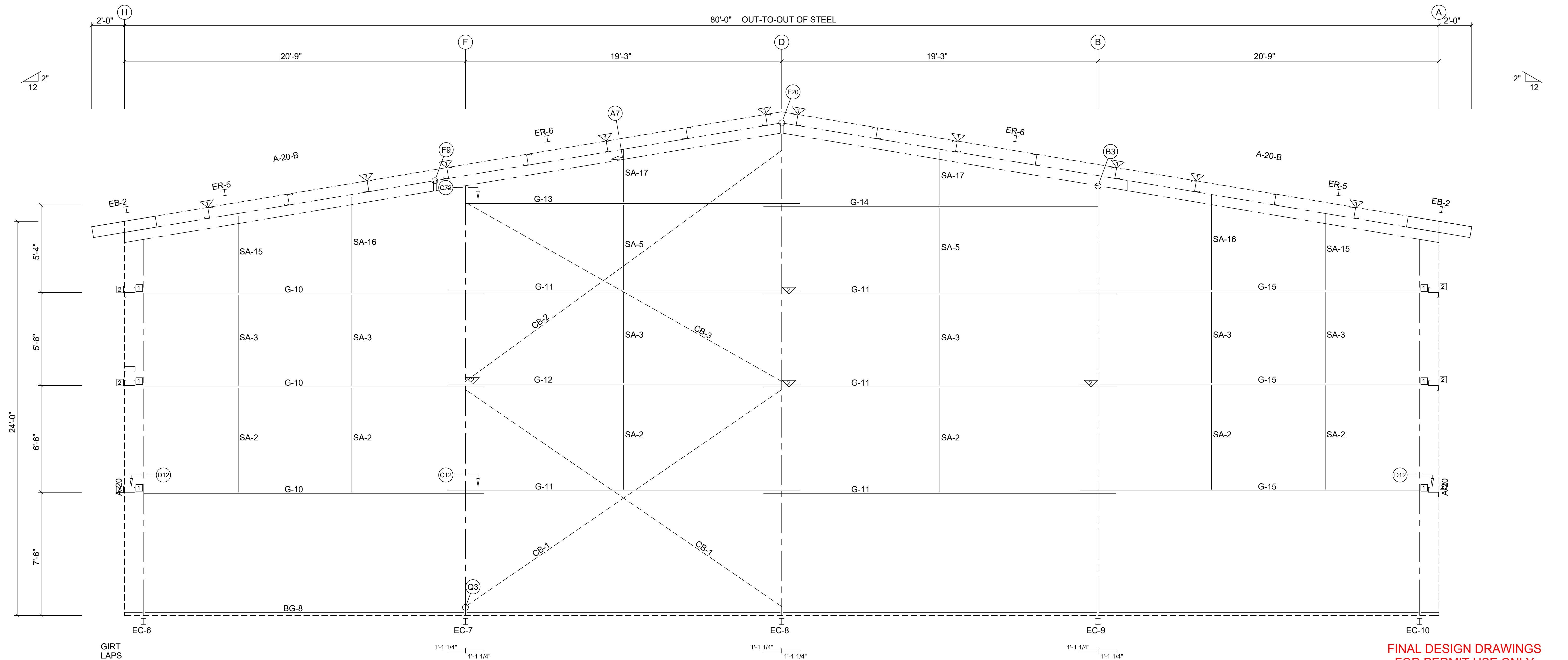
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Drawing	ENDWALL DRAWING			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	E1 E4
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		

CONNECTION PLATES FRAME LINE 6		
ID	QUAN	MARK/PART
1	6	XBC38
2	6	XGA24

FLANGE BRACE TABLE FRAME LINE 6						
▽ ID	#	MARK	BRACE DIST.	DETAIL	CLIP	PART
1	1	FB1	1'-0"	1-4	XSST1	L15151/8
2	1	FB2	1'-0"	1-4	XSST1	L15151/8

BOLT TABLE FRAME LINE 6				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-5/ER-6	8	A325	5/8"	2"
ER-6/ER-6	6	A325	5/8"	2"
Columns/Raf	4	A325	1/2"	1 1/4"



ENDWALL FRAMING: FRAME LINE 6

FINAL DESIGN DRAWINGS
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REVISIONS	
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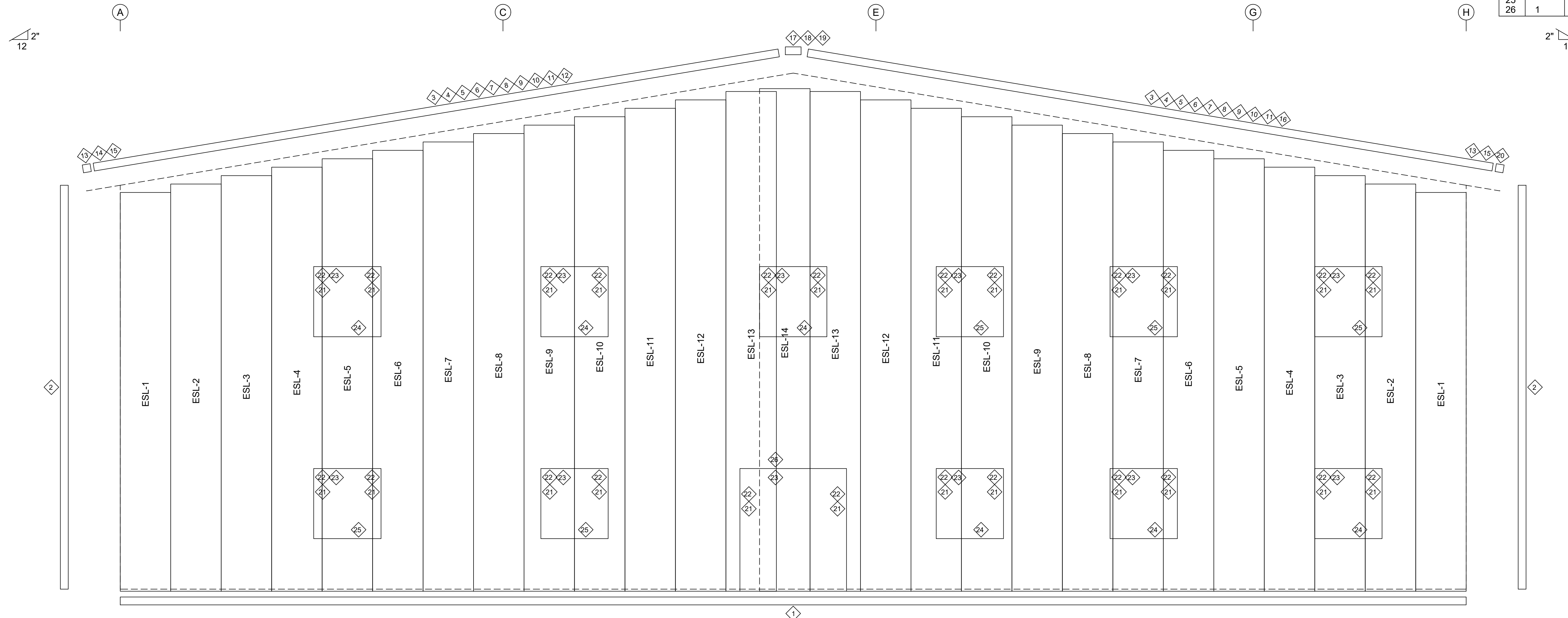


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Drawing	ENDWALL DRAWING			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	E2
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		
				E4

PANEL TABLE FRAME LINE 1		
QUAN	MARK	LENGTH
2	ESL-1	284 3/8"
2	ESL-2	290 3/8"
2	ESL-3	296 3/8"
2	ESL-4	302 3/8"
2	ESL-5	308 3/8"
2	ESL-6	314 3/8"
2	ESL-7	320 3/8"
2	ESL-8	326 3/8"
2	ESL-9	332 3/8"
2	ESL-10	338 3/8"
2	ESL-11	344 3/8"
2	ESL-12	350 3/8"
2	ESL-13	356 3/8"
1	ESL-14	358 3/8"

TRIM TABLE LINE: 1				
QID	QUAN.	MARK	COLOR	LENGTH
1	5	BTN6A	RB	206"
2	4	CT6B	PA	146"
3	2	GTM6B	RB	146"
4	4	GTM6A	RB	206"
5	2	GET6B	RB	146"
6	4	GET6A	RB	206"
7	10	GTS6A	PA	30"
8	2	EF6B	RB	146"
9	4	EF6A	RB	206"
10	2	JTS6B	RB	74"
11	6	JTS6A	RB	146"
12	3	SCT6A	PA	206"
13	2	GCTM6	RB	13"
14	1	TPLM6	RB	11"
15	4	GTS6A	PA	30"
16	2	SCT6A	PA	206"
17	1	GRTM6	RB	22 1/2"
18	1	GRTSM4A	GM	13 5/8"
19	2	JTS6B	RB	74"
20	1	TPRM6	RB	11"
21	24	JT6C	RB	90"
22	24	COT6C	RB	90"
23	12	HT6C	RB	90"
24	6	WFS6B	RB	146"
25		WFS6B	RB	SCRAP
26	1	WL86A	CG	90"



ENDWALL PANEL & TRIM: FRAME LINE 1

PANELS: 26 Ga. CS - Parchment

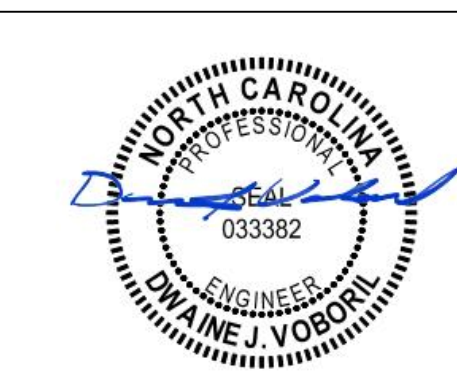
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GENERAL NOTES:
1. For opening trim, Refer to General Details Manual.

REVISIONS	
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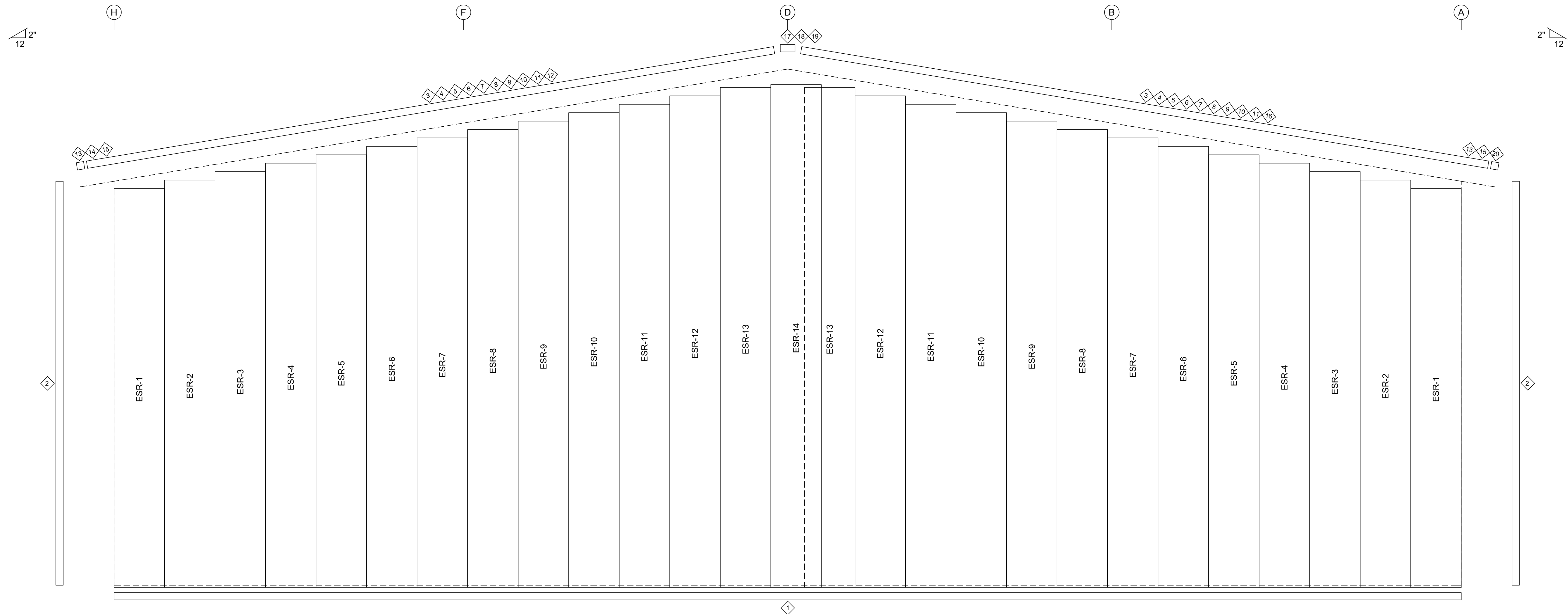


05 20 21

Drawing	ENDWALL DRAWING			
Buyer	Powermaster Electric, Inc			
Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	E3 E4
	DAR	xxx	B3020492	
	5/20/21	xx/xx/xx		

PANEL TABLE FRAME LINE 6		
QUAN	MARK	LENGTH
2	ESR-1	284 3/8"
2	ESR-2	290 3/8"
2	ESR-3	296 3/8"
2	ESR-4	302 3/8"
2	ESR-5	308 3/8"
2	ESR-6	314 3/8"
2	ESR-7	320 3/8"
2	ESR-8	326 3/8"
2	ESR-9	332 3/8"
2	ESR-10	338 3/8"
2	ESR-11	344 3/8"
2	ESR-12	350 3/8"
2	ESR-13	356 3/8"
1	ESR-14	358 3/8"

TRIM TABLE LINE: 6				
QID	QUAN.	MARK	COLOR	LENGTH
1	5	BTN6A	RB	206"
2	4	CT6B	PA	146"
3	2	GTM6B	RB	146"
4	4	GTM6A	RB	206"
5	2	GET6B	RB	146"
6	4	GET6A	RB	206"
7	10	GTS6A	PA	30"
8	2	EF6B	RB	146"
9	4	EF6A	RB	206"
10	2	JTS6B	RB	74"
11	6	JTS6A	RB	146"
12	3	SCT6A	PA	206"
13	2	GCTM6	RB	13"
14	1	TPLM6	RB	11"
15	4	GTS6A	PA	30"
16	2	SCT6A	PA	206"
17	1	GRTM6	RB	22 1/2"
18	1	GRTSM4A	GM	13 5/8"
19	2	JTS6B	RB	74"
20	1	TPRM6	RB	11"



ENDWALL PANEL & TRIM: FRAME LINE 6
PANELS: 26 Ga. CS - Parchment

FINAL DESIGN DRAWINGS
FOR PERMIT USE ONLY

GENERAL NOTES:
1. For opening trim, Refer to General Details Manual.

REVISIONS	
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Notwithstanding the adjacent seal, neither the Engineer named nor Chief Buildings is acting as The Engineer of Record. The Engineer named and Chief Buildings responsibility is limited to the structural performance of the pre-engineered components designed by Chief Buildings.

Chief Buildings
PO Box 2078, Grand Island, NE 68802-2078
(308) 389-7289 cs@chiefind.com



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Customer	PowerMaster Electric Fuquay-Varina, NC 27526			
Project Name	New Office/Warehouse			
	DRAWN	CHECK	ORDER NO.	E4
	DAR	xxx	B3020492	
	5/19/21	xx/xx/xx		