



## ADDENDUM NO. 2

Issue Date: November 18, 2021

Project Name: Landfill Household Hazardous Waste and Recycling Transfer Facility

Bid Number: 2022011

Bid Opening Date: **December 15, 2021 [UPDATED] at 2:00 p.m.**

This addendum is being released to answer questions received, modify the bid documents, and extend the deadline for receipt of bids.

The information and documents contained in this addendum are hereby incorporated in the invitation to bid. **This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.**

### Modification

**Add** Specimen Pre-Engineered Manufactured Building Specifications to Invitation to Bid Documents.

**Replace** Section 00310-Bid form with Section 00310-Bid Form Addendum 2

**Replace** Drawings for all disciplines with attached Drawings. Many have minor updates in response to owner changes and Building department comments. Changes have been captured with revision clouds on the plans.

### Questions and Answers

1. The plans state Prefabricated Metal Building (by Del. Eng.) is this single source or owner provided, please clarify.  
**The Pre-Engineered Metal Building (PEMB) is not single-source. The contractor is responsible for furnishing and installing the PEMB or an approved equivalent. Trident Building Systems, LLC (Trident) has been retained to prepare permit plans for the building but it is not required that the contractor retain Trident for the construction of the project. Should the contractor choose to utilize a different manufacturer, they will be responsible for obtaining any required permit revisions to utilize the substitute PEMB.**
2. Can you please confirm that the General Contractors will need to hold their price for 90 days, and that there is no cost allowance for cost escalation?  
**Yes, that is correct.**
3. Refer to Drawings C410, C514, S200 – Please clarify the concrete specification for the ramps: Heavy Duty concrete 7” thick (C410, C514) or 8” thick concrete slab (S200)?

Addendum 2

**Where a conflict or perceived conflict exists between the civil ("C") sheets and the structural ("S") sheets, the structural design shall supersede the civil design. (i.e. a structural slab shown on the structural sheets where a hatch showing concrete pavement on the civil plans exists, the structural slab shall be used).**

4. The Drawing A202 shows East Elevation equal West Elevation. Please clarify.  
**The west elevation was inadvertently used twice. Drawing A202 has been corrected and is included in the revised package of drawings.**
5. What are the Masonry Walls elevations?  
**As shown on the wall type schedule, they are full height to PEMB roof deck, meaning the top elevation varies. Bidders should refer to the PEMB drawings. Alternatively, they may use an average of 20'-8" for CMU height.**
6. What is the specification for the weather screen panel shown in the drawing A202?  
**These are shown on the PEMB drawings, sheet E6. The spec is Sunsky 12" Polycarbonate light transmitting panel.**
7. What is the specification for the floor at Re-use Area and Storage Equipment Supplies?  
**Slab thickness and reinforcing are shown on the structural plans.**
8. I need some clarification. There's nothing on the mechanical plans on where the mini split is to be installed.  
**The mini-split fan unit shall be installed centered on the east wall of the Re-Use room just below ceiling height. The compressor shall be installed on a code-compliant pad directly east of the north door.**
9. I have just heard back from our drafting department, and they tell me that there are no materials (powder coated steel, stainless steel, HDPE, phenolic) listed for the partitions. Are you able to check on that?  
**Please clarify your question. It sounds like its related to toilet partitions, which there are none of on the project.**
10. Is there an estimated or set budget for Bid 2022011, IRC Household Hazardous Waste & Recycling Facility?  
**The project estimate is \$3.8 million**
11. Can you please clarify if an alternate source of base rock can be used in lieu of lime rock?  
**This question will be addressed in Addendum 3.**
12. Which line item do we include in the construction of the gravel roads?  
**This question will be addressed in Addendum 3.**
13. Which line item do we include the flumes?  
**This question will be addressed in Addendum 3.**

Addendum 2

14. Is the County providing the doors/ frames for the PEMB openings on Door 110, 111, 112, 113? Or should we quote out standard HM Door (18ga or 16ga)?

**Bidders will quote normal standard for these doors, using 16ga doors.**

15. Just quote our stock hardware?

**Bidders will quote stock hardware for the doors.**

16. Are 18ga HM doors okay for the interior? Or do you want a 20ga door?

**18ga HM doors are acceptable for the interior.**

17. Do we use our standard deflections for building of L/150 for purlins, L/180 for mainframes, L/90 for girts and H/60 for main frame sides way (with a H/100 at the masonry wall areas)?

**This question will be addressed in Addendum 3.**

18. It appears there is a translucent wall shown on the west elevation of A202. Is this wall at line A and also is this our standard wall light panels?

**This question will be addressed in Addendum 3.**

19. Is exposed fastener roof panel finish plain unpainted galvalume, siliconized polyester paint system, or kynar paint system?

**This question will be addressed in Addendum 3.**

20. Sheet S-201 shows at line B a detail 7/S-400; line D a detail 8/s-400, and at line E a detail 9/S-400 but when you go to S-400 there is no detail 7, 8, or 9.

**This question will be addressed in Addendum 3.**

21. Sheet A103 shows line A going from 1 to 5; sheet S200 and S201 shows line A only going from 1 to 3. Please advise.

**This question will be addressed in Addendum 3.**

22. Sheet A102 shows the ridge of the building getting a continuous ridge vent. Will these be required to be operable or are they fixed? Also, metal building ridge vents will allow water in on a blowing rain, on how they are designed. Do they really want them? Also, the ridge vents come in 10' sections and need to be a minimum of a few feet from the end for the trims to work. So, we would need to only supply 140' of ridge vents.

**This question will be addressed in Addendum 3.**

23. Sheet A101 and A201 shows exhaust fans on line 5 from D to J in 4 bays. Sheet M102 still has the squares drawn in, but it does not list what type or if they are really supposed to be there. Please advise.

**This question will be addressed in Addendum 3.**

24. Sheet S-201 shows portal frames for bracing on lines 1 and 5 in the enclosed main building from D to J. It does not show where we can put portal frames or x-bracing at lines A, B, or 8. We will need at least one bay on each wall line. Please advise.

**This question will be addressed in Addendum 3.**

25. Are all our base plates at the same elevations or are some different from others?

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**This question will be addressed in Addendum 3.**

26. Is grout going under any of our base plates?

**This question will be addressed in Addendum 3.**

27. Is there any insulation in the door or walls of the building?

**This question will be addressed in Addendum 3.**

28. Sheet S-400 detail 6 shows the top of wall at line C getting a heavy angle attached to the wall and then our roof screwing off to it. We cannot do it this way, the roof cannot take this load, we will need to supply masonry support beams at top of the wall that goes from column to column that is designed for L/240 for the wall to attach too. Please advise.

**This question will be addressed in Addendum 3.**

29. Sheet S-201 shows a 3 portal frames on line 1 and 3 on line 5. We only need 1 for a 6-bay building. I would think we would want to keep just the one between lines E and F and get rid of the other 2. Especially since they will interfere with the roll up door openings on the right sides on line 5 between lines F and G and also between I and J. The problem you will run into on the one between E and F, is the fans on each side of the building will probably need to move down below the portal frame or not put one in that bay. To move down, the top of the fan needs to be over 3' below eave height to clear the portal frames.

**This question will be addressed in Addendum 3.**

30. Per drawings, building eave height is 28' according to the plans. There are (2) roll up doors that measure 16'w x 27'h. Either the building eave needs to be 30' to keep that sized door, or the door height needs to be no higher than 25' if we stay with 28' eave height. Please advise.

**This question will be addressed in Addendum 3.**

31. Plans show the portal frame in the same bay as one of the 16' x 27' roll up doors. This will not work unless the door height is lowered enough to fit both the portal frame and the roll up door. Normally, the door must be at least 2' lower the building eave height, so there is room for the drum to fit. It may be better to go with a 3' since this is a big door. Since we have a roll up door in the same bay as a portal frame, there needs to be at least 3' separation from the frame and roll up door. With a 28' eave height, the tallest roll up door we can probably get away with is 23'. Please advise.

**This question will be addressed in Addendum 3.**

32. On the floor plan, page A101, at the Covered Drop-Off Area, the measurements don't match the foundation plan, page S-200. The foundation plan doesn't look finished either at that area.

**This question will be addressed in Addendum 3.**

33. Are the roof panels classic screw down panels or standing seam roof panels?

**This question will be addressed in Addendum 3.**

34. If classic screw down panels, it is not recommended for roof slopes under 1:12. Please advise.

**This question will be addressed in Addendum 3.**

35. Are the color of the roof panels Galvalume or color?

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**This question will be addressed in Addendum 3.**

36. Any insulation for the roof or walls?

**This question will be addressed in Addendum 3.**

37. Metal buildings are very standardized and have certain limitations. This means that we may not be able to design the hip roof where the two lower open building are adjacent to each other. Can we provide other solutions without the hip roofs?

**This question will be addressed in Addendum 3.**

38. Will the building have any fire sprinklers?

**This question will be addressed in Addendum 3.**

39. Can you provide specification or manufacturer for the ridge vent.

**This question will be addressed in Addendum 3.**

40. What is the weight of the 16' ceiling fans?

**This question will be addressed in Addendum 3.**

41. What is the dimensions of the wall exhaust fans?

**This question will be addressed in Addendum 3.**

42. Are permits being applied for or being reviewed by the Building department?

**This question will be addressed in Addendum 3.**

43. Please confirm there is no insulation required on the Pre-Engineered metal building's roof or walls.

**This question will be addressed in Addendum 3.**

44. Please clarify the specs on the gutter and downspouts.

**This question will be addressed in Addendum 3.**

**SECTION 00310 BID FORM –  
Addendum 2  
IRC Household Hazardous Waste &  
Recycling Facility  
Bid 2022011**

**THIS BID IS SUBMITTED TO: Indian River County Purchasing Division  
1800 27<sup>th</sup> Street  
Vero Beach, FL 32960**

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with Owner in the form included in the Contract Documents to perform and furnish all work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in the Contract Documents and in accordance with the other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Advertisement for Bids and Instructions to Bidders. This Bid will remain subject to acceptance for **ninety (90) days** after the day of Bid opening. Bidder will sign and submit the Agreement with the insurance and other documents required by the Owner within fifteen (15) days after the date of Owner's Notice of Award.
3. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:

- (a) Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged):

Date	Number

- (b) Bidder has familiarized itself with the nature and extent of the Contract Documents, the work, locality, and all local conditions and laws and regulations that in any manner may affect cost, progress, performance or finishing of the work.
- (a) Bidder acknowledges and agrees that it is bidding on construction of improvements at the Indian River County Landfill. Please refer to the specifications and construction drawings labeled: IRC Household Hazardous Waste & Recycling Facility.
- (b) Bidders are notified that the estimates of the quantities of the various items of Work and materials as set forth in the Bid Proposal (Schedule of Bid Items) are approximate only and are given solely to be used as a uniform basis for the comparison of Bids. The quantities actually required to complete the Project and Work may be less or more than so estimated, and, if so, no action for damages or for loss of profits shall accrue to the CONTRACTOR by reason thereof.
- (c) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm, or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit

a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

4. Bidder will complete and include with the bid the Bid Proposal (Schedule of Bid Items) attached to this Bid Form. The quantities shown on the Bid Proposal Schedule of Bid Items) are approximate quantities. The actual quantities may vary.

5. The following documents are attached to and made a part of this Bid:

- (a) Bid Form (Section 00310);
- (b) Schedule of Subcontractors (Section 00431);
- (c) Certification Regarding Prohibition Against Contracting with Scrutinized Companies (Section 00432)
- (d) Disclosure of Relationships (Section 00452);
- (e) Sworn Statement Under the Florida Trench Safety Act (Section 00454);
- (f) General Information Required of Bidders (Section 00456);
- (g) A current certificate of insurance evidencing coverages and limits in the amounts required by the Contract Documents.

**\*\*REMAINDER OF PAGE LEFT BLANK\*\***

**SCHEDULE A**

**SCHEDULE OF BID ITEMS – ADDENDUM 2**

**BID NUMBER 2022011**

**PROJECT IDENTIFICATION: IRC Household Hazardous Waste &  
Recycling Facility**

**THIS BID IS SUBMITTED TO:**

**INDIAN RIVER COUNTY PURCHASING DIVISION**

**1800 27th STREET**

**VERO BEACH, FLORIDA 32960**

**BY:**

\_\_\_\_\_  
**Company Name**

Bid Item No.	Item of Work	Unit of Measure	Unit Price	Quantity	Bid Item Total
<b>SITE WORK</b>					
1	REGULAR EXCAVATION	CY	\$	1200	\$
2	CLEARING AND GRUBBING	AC	\$	9	\$
3	UTILITY PIPE, REMOVE & DISPOSE, 8-19.9"	LF	\$	750	\$
4	UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 2"	LF	\$	150	\$
5	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 6"	LF	\$	85	\$
6	UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 2"	Each	\$	2	\$
7	UTILITY FIXTURE- BACKFLOW ASSEMBLY, FURNISH & INSTALL, 2" (R.P.Z.)	Each	\$	1	\$
8	UTILITY FIXTURE- BACKFLOW ASSEMBLY, FURNISH & INSTALL, 6" (D.D.C.V.)	Each	\$	1	\$
9	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 6"	Each	\$	2	\$
10	UTILITY FIXTURE, PLUG VALVE, FURNISH AND INSTALL 6"	Each	\$	1	\$



Bid Item No.	Item of Work	Unit of Measure	Unit Price	Quantity	Bid Item Total
11	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 6"	LF	\$	130	\$
12	INLETS, DT BOT, TYPE C, <10'	Each	\$	8	\$
13	INLETS, CURB, TYPE 9, <10'	Each	\$	2	\$
14	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" SD	LF	\$	800	\$
15	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 2"	Each	\$	2	\$
16	TYPE B STABILIZATION	SY	\$	8100	\$
17	6" LIMEROCK BASE	SY	\$	1600	\$
18	10" LIMEROCK BASE	SY	\$	6500	\$
19	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	\$	1026	\$
20	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	\$	290	\$
21	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	\$	425	\$
22	CONCRETE CURB, TYPE D	SY	\$	73	
23	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	Each	\$	15	\$
24	PROFILED THERMOPLASTIC, STANDARD- CONCRETE SURFACES, WHITE, SOLID, 6"	GM	\$	0.15	\$
25	PROFILED THERMOPLASTIC, STANDARD- ASPHALT SURFACES, YELLOW, SOLID, 6"	GM	\$	0.5	\$
26	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	\$	215	\$
27	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	\$	200	\$
28	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	\$	150	\$
29	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE	LF	\$	200	\$
30	THERMOPLASTIC, STANDARD, WHITE, ARROW	Each	\$	5	\$
31	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	Each	\$	6	\$

Bid Item No.	Item of Work	Unit of Measure	Unit Price	Quantity	Bid Item Total
32	RELOCATE TREES AND PALMS, PALM, >=14' OF CLEAR TRUNK	Each	\$	7	\$
33	RELOCATE TREES AND PALMS, PALM, <14' OF CLEAR TRUNK	Each	\$	9	\$
34	PERFORMANCE TURF, SOD	SY	\$	7750	\$
35	INSTALL NEW PLANTINGS	LS	\$	1	\$
36	LANDSCAPE IRRIGATION SYSTEM	LS	\$	1	\$
37	FURNISH & INSTALL RAINWATER CISTERN	LS	\$	1	\$
<b>BUILDING</b>					
38	EXCAVATION AND BACKFILL	LS	\$	1	\$
39	STRUCTURAL CONCRETE, IN PLACE, SPREAD FOOTING, INCLUDES FORMS, REBAR, CONCRETE, PLACING AND FINISHING	LS	\$	1	\$
40	STRUCTURAL CONCRETE, IN PLACE, RETAINING WALL INCLUDES FORMS, REBAR, CONCRETE, PLACING AND FINISHING	LS	\$	1	\$
41	STRUCTURAL CONCRETE, IN PLACE, SLAB ON GRADE, 8" THICK, INCLUDES CONCRETE, PLACING AND BROOM FINISH, NOT INCLUDING FORMS AND REINFORCING	SF	\$	35000	\$
42	REINFORCING STEEL, IN PLACE, SLAB ON GRADE, #3 TO #7, A615, GRADE 60, INCL LABOR ACCESSORIES, EXCL MATERIAL FOR ACCESSORIES	TON	\$	50	\$
43	C.I.P. CONCRETE FORMS, SLAB ON GRADE, DEPRESSED, EDGE, WOOD, UP TO 12" HIGH, 4 USE, INCLUDES ERECTING, BRACING, STRIPPING AND CLEANING - CONCRETE FORMING	LF	\$	1000	\$
44	MISC. CONCRETE (ONLY AS NOT INCLUDED ABOVE)	LS	\$	1	\$
45	MASONRY	LS	\$	1	\$
46	PRE-ENGINEERED METAL BUILDING (PEMB)	LS	\$	1	\$
47	STEEL (OTHER THAN PEMB)	LS	\$	1	\$

Bid Item No.	Item of Work	Unit of Measure	Unit Price	Quantity	Bid Item Total
48	OVERHEAD DOORS	LS	\$	1	\$
49	METAL STUDS AND DRY WALL	LS	\$	1	\$
50	CARPENTRY	LS	\$	1	\$
51	MILLWORK	LS	\$	1	\$
52	PAINTING AND INTERIOR FINISHES	LS	\$	1	\$
53	PLUMBING	LS	\$	1	\$
54	ELECTRICAL	LS	\$	1	\$
55	MECHANICAL	LS	\$	1	\$
56	FIRE PROTECTION	LS	\$	1	\$
57	FURNISH & INSTALL OVERHEAD FANS	EA.	\$	7	\$
<b>MISCELLANEOUS</b>					
58	BONDS AND INSURANCE	LS	\$	1	\$
59	MOBILIZATION	LS	\$	1	\$
60	GENERAL CONDITIONS	LS	\$	1	\$
61	MAINTENANCE OF TRAFFIC	LS	\$	1	\$
				Subtotal (Base Bid):	\$
				10% Contingency Allowance (10% of Base Bid):	\$
				Total Base Bid with Contingency (Base Bid + Contingency):	\$
<b>Total Base Bid Amount in Words:</b>					
<b>Additive Alternate Bid Items* Modified Addendum 2</b>					
ALT-1	INSTALL OWNER-PROVIDED VERTICAL BALER	LS	\$	1	\$
ALT-2	INSTALL OWNER-PROVIDED HORIZONTAL BALER	LS	\$	1	\$
ALT-3	INSTALL OWNER-PROVIDED HARD MOUNTED GENERATOR	LS	\$	1	\$
ALT-4	INSTALL OWNER-PROVIDED PALLETIZER	LS	\$	1	\$
ALT-5	INSTALL OWNER-PROVIDED STYROFOAM MACHINE	LS	\$	1	\$
				Subtotal (Add/Alt):	\$
				Grand Total (Base Bid + Contingency + Add/Alt):	\$

The undersigned hereby certifies that they have read and understand the contents of this solicitation and agrees to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to: 1) alter any resulting contract; or 2) request additional compensation.

SUBMITTED on \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Address

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Title

(\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
Phone

\_\_\_\_\_  
Date Signed

(Corporate Seal)

E-mail: \_\_\_\_\_

Business Tax Receipt No. \_\_\_\_\_

FEIN Number: \_\_\_\_\_

State Contractor License No. \_\_\_\_\_

All bid prices are inclusive of excavation, disposal, bedding material, backfill, trench restoration, temporary and/or permanent asphalt, temporary markings, testing, surveying, material, labor, overhead, and profit unless otherwise noted. Drainage Structures include frame and grate and removal of existing structures and associated pipes. Pay items which have alternative construction details for use at the engineer's discretion shall be paid solely based upon the actual quantities required and the contractor shall be responsible to furnish reasonable proof such as receipts, disposal tickets, manifests, etc. as backup for pay applications. Tree planting includes bracing and/or guying (refer to plans for tree size). Any work on the Construction Plans not listed as a pay item above shall be considered incidental to the project work and the cost of such included in the appropriate pay items. Payment for this project will be based upon completion of the entire project as a unit price contract, in accordance with the Project Manual.

# IRC HHW DRAWINGS ONLY INDIAN RIVER, FLORIDA 21-020-04



A BEHLEN GROUP COMPANY

## BUILDING SYSTEMS, LLC

2812 Tallevast road \* Sarasota, Florida 34243  
Phone: 941-755-7073 \* Fax: 941-755-3067



### DRAWING INDEX

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- AB3 - BUILDING CODES, LOADS & REACTIONS
- AB4 - BUILDING CODES, LOADS & REACTIONS
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- E33 - PARTITION FRAMING
- D1 - DETAILS
- D2 - DETAILS
- D3 - DETAILS

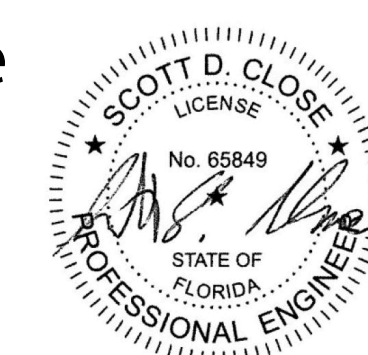
**IRC HHW  
DRAWINGS ONLY  
21-020-04**

SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

REVISIONS	
A	FOR APPROVAL HDM 05.07.21
B	SIGNED & SEALED FOR PERMIT TDB 7.6.21

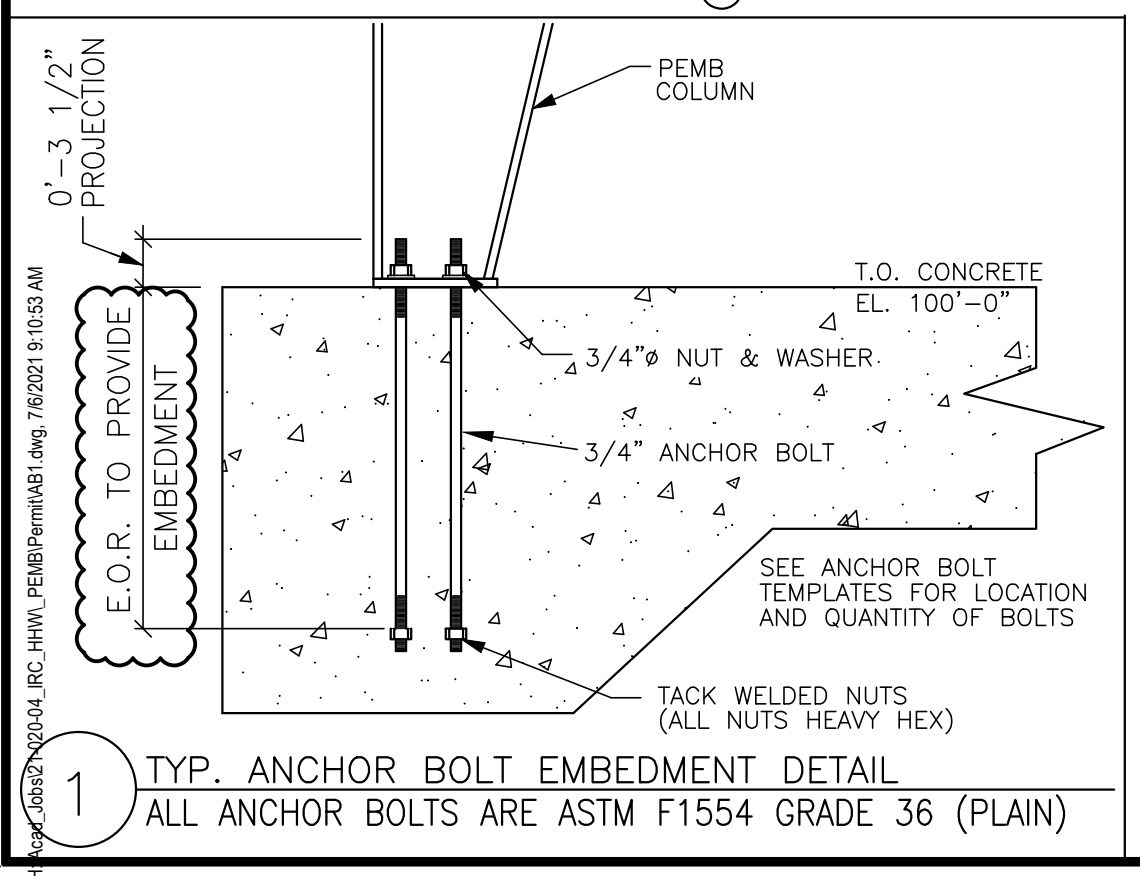
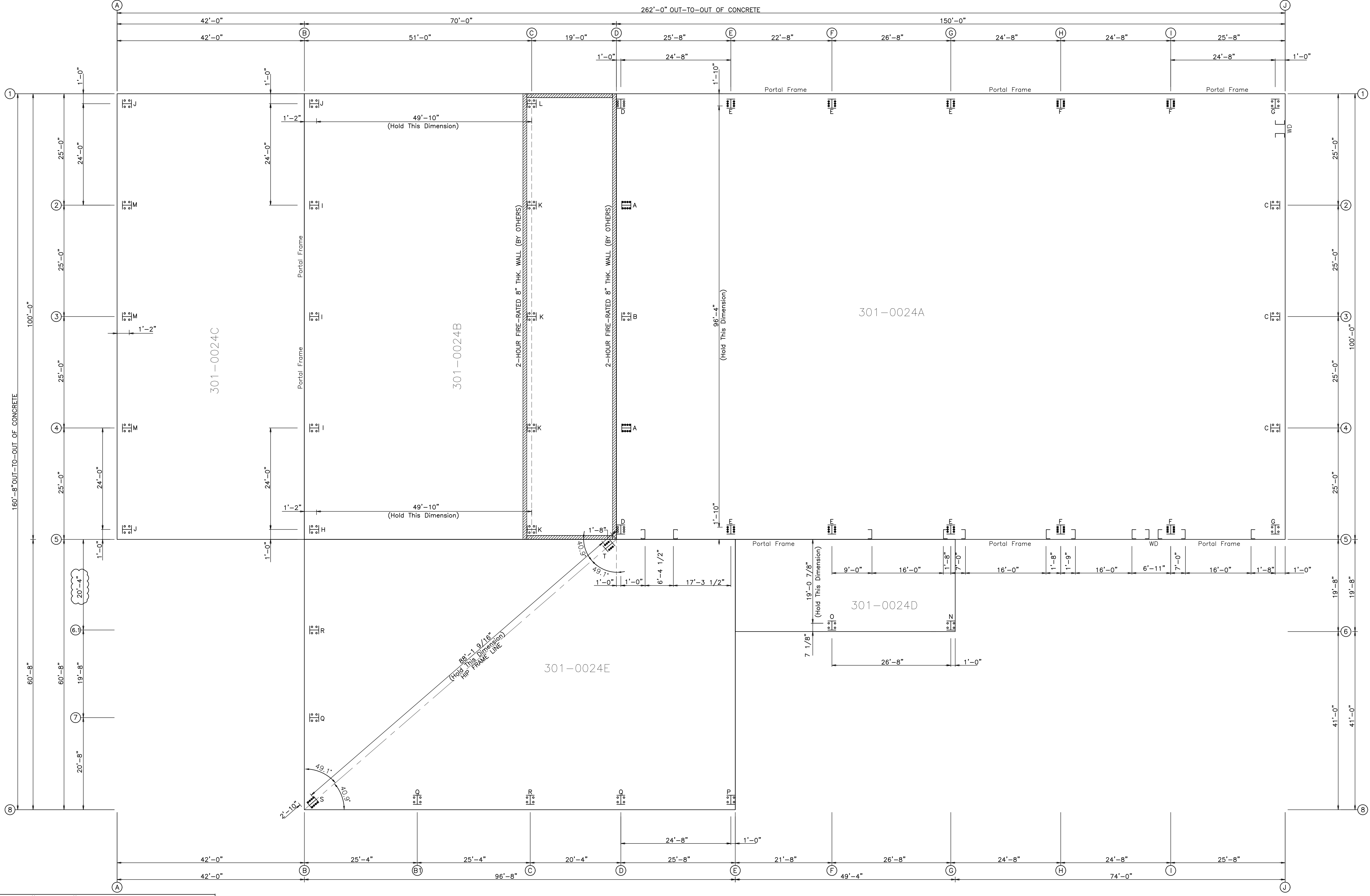
This document has been electronically sealed and digitally signed by Scott D. Close, P.E. Printed copies are not considered signed and sealed. The signature must be verified on any electronic document.

**Scott Close**  
2021.07.06  
11:39:06  
-04'00'



DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
**FLORIDA P.E. #65849**  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.





ANCHOR BOLT SUMMARY				
Qty	Locate	Dia (in)	Type	Proj (in)
16	Endwall	1"	F1554	3.00
16	Endwall	3/4"	F1554	3.50
112	Frame	3/4"	F1554	3.50
50	Frame	1"	F1554	3.00
24	Frame	7/8"	F1554	3.50

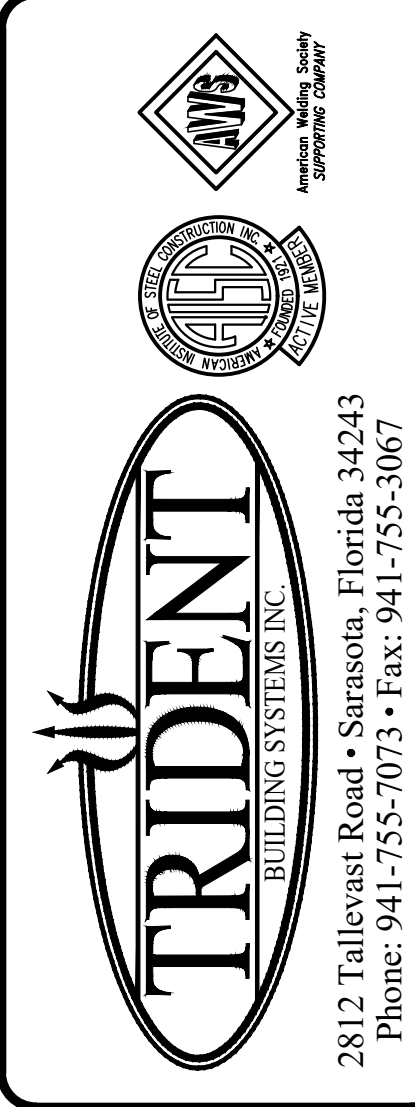
### ANCHOR BOLT PLAN

NOTE: FINISHED FLOOR = 100'-0"  
 NOTE: ALL BASE PLATES @ 100'-0" (U.N.O.)  
 EW= ENDWALL  
 SW= SIDEWALL

G.C./ARCH - PLEASE NOTE THAT GRID BUBBLES SHOWN ON TRIDENT DRAWINGS ARE LOCATED AT THE BUILDING STEEL LINE AND NOT AT CENTERLINE OR FACE OF COLUMN AS SHOWN ON ARCHITECTURAL DRAWINGS



SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243



DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
 FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
**ANCHOR BOLT PLAN & TEMPLATES**  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	AB1





### GENERAL NOTES

- FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF TRIDENT BUILDING SYSTEMS, LLC. (HEREAFTER TBS)
  - THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
  - ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.
  - ALL ANCHOR BOLTS ARE ASTM F1554 GRADE 36 UNLESS NOTED OTHERWISE. TBS SIZES THE ANCHOR BOLT SHEAR AND TENSION AT THE COLUMN BASE. ALL ASPECTS OF THE FOUNDATION DESIGN INCLUDING ANCHOR BOLT EMBEDMENT LENGTH AND DEVELOPMENT TO THE CONCRETE ARE NOT BY TBS. THE RESPONSIBLE ARCHITECT OR ENGINEER MUST SEE THAT THIS IS DONE BY A PROFESSIONAL WHO IS QUALIFIED FOR THIS TYPE OF WORK.
  - COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED A BEARING PRESSURE OF 1125 POUNDS PER SQUARE INCH.
  - TBS HAS DESIGNED WALL FRAMED OPENINGS TO MEET ALL LOADS REQUIRED BY APPLICABLE CODES. THE GAGE, THICKNESS AND SHAPE OF JAMBS, HEADERS AND SILLS ARE DESIGNED BY TBS TO MEET THE APPLIED WIND LOADS. SUPPLEMENTARY OR AUGMENTED FRAMING AND MATERIALS REQUIRED BY DOOR OR WINDOW MANUFACTURER TO FACILITATE THEIR INSTALLATION TO MEET APPLICABLE CODES IS NOT INCLUDED IN TBS CONTRACT. GC SHALL CLEARLY INDICATE ALL SUPPLEMENTARY FRAMING REQUIRED AT ALL WALL FRAMED OPENINGS ON TBS SHOP DRAWINGS AND RETURN TO TBS PRIOR TO FABRICATION. TBS WILL ASSESS ANY SUPPLEMENTARY OR UPSIZED FRAMING REQUIRED BY GC'S SELECTED DOOR AND WINDOW SUPPLIER AND ADVISE GC OF ADDITIONAL COSTS, IF ANY, PRIOR TO PROCEEDING WITH PRODUCTION OF BUILDING.
  - THIS PRE-ENGINEERED METAL BUILDING IS DESIGNED WITH THE FOLLOWING DEFLECTION LIMITS AND YIELD CRITERIA:
- DEFLECTION LIMITS:  
 ENDWALL COLUMN : H / 180  
 ENDWALL RAFTER (LIVE) : L / 180  
 ENDWALL RAFTER (WIND) : L / 180  
 WALL GIRT : L / 90  
 ROOF PURLIN (LIVE) : L / 180  
 ROOF PURLIN (WIND) : L / 150  
 WALL PANEL : L / 60  
 ROOF PANEL (LIVE) : L / 60  
 ROOF PANEL (WIND) : L / 60  
 RIGID FRAME DRIFT (WIND) : H / 240  
 RIGID FRAME (LIVE VERT) : L / 180  
 RIGID FRAME (TOTAL VERT) : L / 180  
 RIGID FRAME DRIFT (SEISMIC) : H / 240  
 RIGID FRAME DRIFT (CRANE) : H / 100  
 SIDEWALL DRIFT (WIND) : H / 240  
 SIDEWALL DRIFT (SEISMIC) : L / 240  
 SPANDREL BEAM : L / 240
- STEEL YIELDS:  
 WIDE FLANGE : 50.0 ksi  
 CHANNEL : 36.0 ksi  
 TUBE : 46.0 ksi  
 PIPE : 35.0 ksi  
 ANGLE : 36.0 ksi  
 COLD ROLLED : 50.0 ksi  
 WEB PLATE : 50.0 ksi  
 FLANGE PLATE : 55.0 ksi  
 WALL PANEL : 60.0 ksi  
 ROOF PANEL : 60.0 ksi
- STRESS RATIO: \_\_\_\_\_  
 MAXIMUM : 1.00
- STRUCTURE IS DESIGNED TO BE SELF-SUPPORTED ONCE IN SERVICE FOR FULL GRAVITY & WIND LOADS. OPENINGS ARE ASSUMED TO BE CLOSED AND/OR PROTECTED UNLESS OTHERWISE NOTED BY "OPEN" OR "PARTIALLY ENCLOSED" BUILDING ENCLOSURE. NO CONSIDERATION FOR STABILITIES & SHORING IS ASSUMED BY TBS FOR OTHER PARTS OF THE BUILDING SUCH AS BUT NOT LIMITED TO CMU OR CONCRETE WALLS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THE STABILITY & SAFETY OF THE STRUCTURE & ITS COMPONENTS UNTIL SUCH TIME AS THE PRE-ENGINEERED STRUCTURE IS COMPLETE AND ALL SPECIFIED CONNECTIONS TO OTHER PARTS OF THE BUILDING HAVE BEEN MADE.

### NOTES FOR REACTIONS

- Width = 100'-0"  
 Length = 250'-0"  
 Eave Height (ft) = 32 / 32  
 Roof Slope = 1.0:12 / 1.0:12
- DESIGN CRITERIA:  
 National Building Code = IBC 18  
 Local Building Code = FBC 20  
 Roof Dead Load (psf) = 3.000  
 Roof Live Load (psf) = 20.00 (Reducible)  
 Collateral Load (psf) = 5  
 Ground Snow, P<sub>g</sub> (psf) = 0.00  
 Roof Snow, P<sub>r</sub> (psf) = 0  
 Snow Exposure, C<sub>e</sub> = 1.00  
 Snow Thermal Coef, C<sub>t</sub> = 1.00  
 Snow Slope Coef, C<sub>s</sub> = 1.00  
 Snow Importance Factor = 1.00  
 Basic Wind Speed (mph) = 160  
 ASD Wind Speed (mph) = 124  
 Wind Exposure = C  
 Closed/Partial/Open = Partial  
 GCpi = 0.55 (+/-)  
 Occupancy/Risk Category = II - Normal  
 Site Class = d  
 S<sub>s</sub> (%g) = 5.2  
 S<sub>1</sub> (%g) = 2.9  
 Seismic Design Category = A  
 Seismic Importance = 1.00  
 Basic Structural System = OSMF & OSCBF  
 Seismic Analysis Procedure = Equivalent Lateral Force

### CONTROLLING LOAD COMBINATIONS:

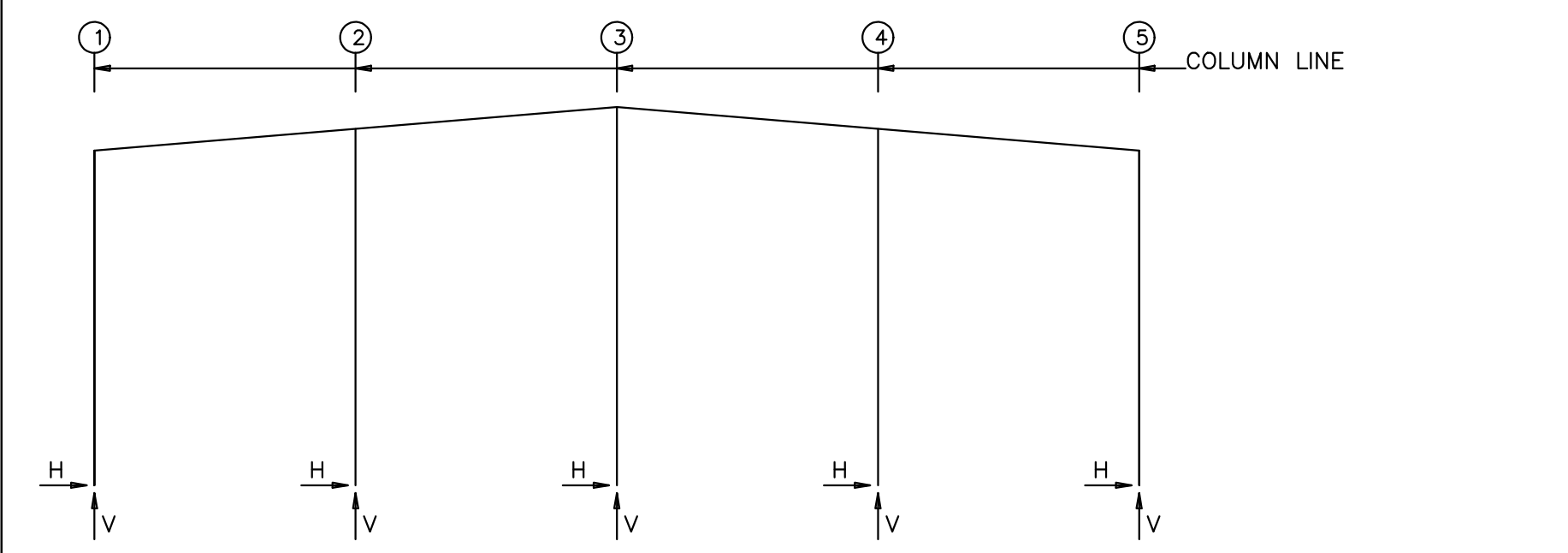
ID	Description
1	Dead+Collateral+Live
2	Dead+0.6Wind_Left1
3	Dead+0.6Wind_Right1
4	Dead+0.6Wind_Right2
5	Dead+Collateral+0.75Live+0.45Wind_Left1
6	Dead+Collateral+0.75Live+0.45Wind_Left2
7	Dead+Collateral+0.75Live+0.45Wind_Right2
8	0.6Dead+0.6Wind_Left1
9	0.6Dead+0.6Wind_Right1
10	0.6Dead+0.6Wind_Left2
11	0.6Dead+0.6Wind_Right2
12	0.6Dead+0.6Wind_Long1L
13	0.6Dead+0.6Wind_Long1R
14	0.6Dead+0.6Wind_Long2R
15	0.59Dead+0.7Seismic_Left
16	0.59Dead+0.7Seismic_Right
17	Dead+Collateral+F4PAT_LL_1
18	Dead+Collateral+F4PAT_LL_2
19	Dead+Collateral+F4PAT_LL_3
20	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
21	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
22	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1R
23	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
24	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
25	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
26	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2R
27	Dead+Collateral+E2PAT_LL_1
28	Dead+Collateral+E2PAT_LL_2
29	Dead+Collateral+E2PAT_LL_3

### BUILDING BRACING REACTIONS

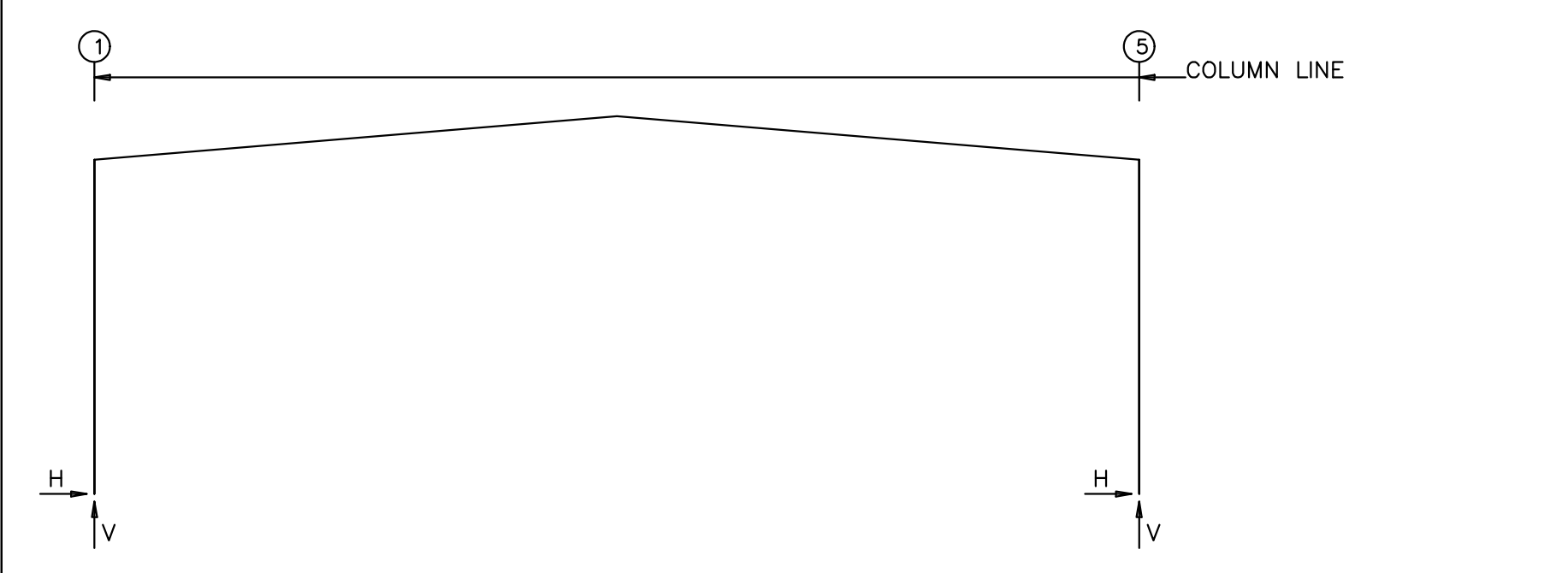
Loc	Wall Line	Col Line	± Reactions(k )	Panel_Shear (lb/ft)	Note		
			Wind	Seismic			
L_SW	5	E,F	8.7	22.6	0.2	0.4	(h)
F_SW	5	G,H	8.7	20.8	0.2	0.4	(b)
		I,J	8.7	20.8	0.2	0.4	(b)
R_SW	1	I,J	5.9	14.2	0.1	0.3	(h)
B_SW	1	G,H	5.9	14.2	0.1	0.3	(b)
		E,F	5.9	15.4	0.1	0.4	(b)

(b) Wind bent in bay, base above finish floor  
 (h) Rigid frame at endwall

### FRAME LINES: D J



### FRAME LINES: E F G H I



### RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax	V	Load Id	Hmin	V	Bolt(in)	Base_Plate(in)	Base Elev
			H	Vmax	Ld	H	Vmin	Qty	Width	Length
D	1	3	18.6	10.5	10	-19.4	-20.5	6	0.750	6.000
D	5	11	17.7	-35.8	2	-16.0	17.2	6	0.750	6.000
D	2	16	0.1	2.1	15	-0.1	4.5	4	1.000	10.000
D	3	1	0.0	20.0	9	0.0	-42.9	4	0.750	8.000
D	4	16	0.1	4.4	15	-0.1	2.0	4	1.000	10.000

### RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax	V	Load Id	Hmin	V	Bolt(in)	Base_Plate(in)	Base Elev
			H	Vmax	Ld	H	Vmin	Qty	Width	Length
E*	1	1	15.7	28.8	8	-25.1	-47.1	6	1.000	10.000
E*	5	9	28.3	-37.3	6	-14.7	30.4	6	1.000	10.000
E*			-14.4	48.3	13	6.3	-72.0			

E\* Frame lines: E F G

### RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax	V	Load Id	Hmin	V	Bolt(in)	Base_Plate(in)	Base Elev
			H	Vmax	Ld	H	Vmin	Qty	Width	Length
H*	1	1	15.7	28.5	8	-25.6	-45.6	6	0.875	10.000
H*	5	9	25.6	-45.6	1	-15.7	28.5	6	0.875	10.000
H*			-14.2	29.9	13	9.9	-55.1			

H\* Frame lines: H I

### RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

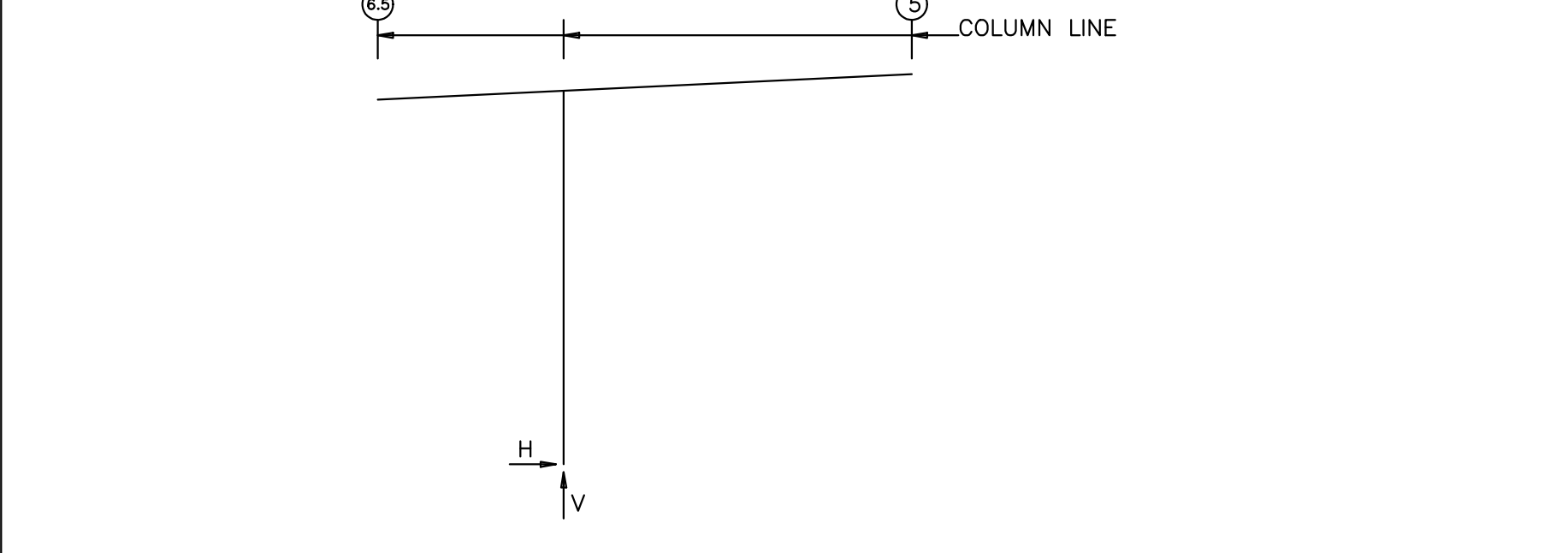
Frm Line	Col Line	Load Id	Hmax	V	Load Id	Hmin	V	Bolt(in)	Base_Plate(in)	Base Elev
			H	Vmax	Ld	H	Vmin	Qty	Width	Length
J	1	3	8.4	-1.1	10	-9.6	-3.4	4	0.750	10.000
J	5	11	9.8	-3.6	2	-8.6	-0.8	4	0.750	10.000
J	2	12	0.0	-15.3	12	0.0	-15.3	4	0.750	6.000
J	3	9	0.0	-11.7	9	0.0	-11.7	4	0.750	6.000
J	4	13	0.0	-15.3	13	0.0	-15.3	4	0.750	6.000

### ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax	V	Load Id	Hmin	V	Bolt(in)	Base_Plate(in)	Base Elev
			H	Vmax	Ld	H	Vmin	Qty	Width	Length
D	2 *	20	16.0	-53.4	21	-16.4	-55.2			
D	3 *	23	17.9	-46.8	21	-18.6	-46.4			
D	4 *	24	17.2	-18.7	22	-16.0	-18.7			
J	3 *	24	18.6	-12.3	26	-17.4	-10.2			
J	2 *	24	17.2	-18.7	26	-16.0	-18.7			

\*See Rigid Frame Interior Column Reactions

### FRAME LINES: G F



### RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax	V	Load Id	Hmin	V	Bolt(in)	Base_Plate(in)	Base Elev
			H	Vmax	Ld	H	Vmin	Qty	Width	Length
G		@10.3	3	0.0	-6.2	3	0.0	-6.2	4	0.750
F		@10.3	3	0.0	-13.6	3	0.0	-13.6	4	0.750

### RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax	V	Load Id	Hmin	V	Bolt(in)	Base_Plate(in)	Base Elev
			H	Vmax	Ld	H	Vmin	Qty	Width	Length
F		@10.3	3	0.0	-13.6	3	0.0	-13.6	4	0.750

### NOTES FOR REACTIONS

- Width = 29'-8"  
 Length = 49'-4"  
 Eave Height (ft) = 20.24 / 21.67  
 Roof Slope = 0.5769:12 /
- DESIGN CRITERIA:  
 National Building Code = IBC 18  
 Local Building Code = FBC 20  
 Roof Dead Load (psf) = 3.000  
 Roof Live Load (psf) = 20.00 (Reducible)  
 Collateral Load (psf) = 5  
 Ground Snow, P<sub>g</sub> (psf) = 0.00  
 Roof Snow, P<sub>r</sub> (psf) = 0  
 Snow Exposure, C<sub>e</sub> = 1.00  
 Snow Thermal Coef, C<sub>t</sub> = 1.00  
 Snow Slope Coef, C<sub>s</sub> = 1.00  
 Snow Importance Factor = 1.00  
 Basic Wind Speed (mph) = 160  
 ASD Wind Speed (mph) = 124  
 Wind Exposure = C  
 Closed/Partial/Open = Open  
 GCpi = 0.00 (+/-)  
 Occupancy/Risk Category = II - Normal  
 Site Class = d  
 S<sub>s</sub> (%g) = 5.2  
 S<sub>1</sub> (%g) = 2.9  
 Seismic Design Category = A  
 Seismic Importance = 1.00  
 Basic Structural System = OSMF & OSCBF  
 Seismic Analysis Procedure = Equivalent Lateral Force

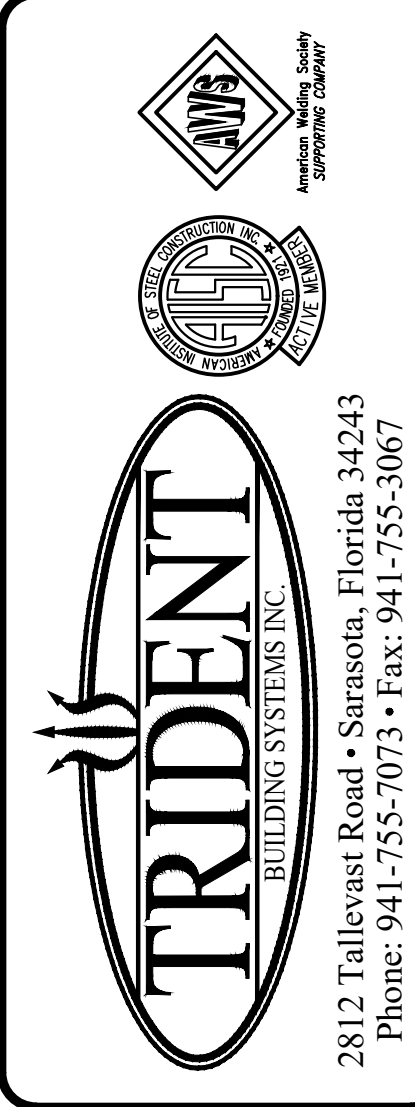
### CONTROLLING LOAD COMBINATIONS:

ID	Description
1	Dead+Collateral+0.75Live+0.45Wind_Left1
2	Dead+Collateral+0.75Live+0.45Wind_Right1
3	0.6Dead+0.6Wind_Left2
4	0.6Dead+0.6Wind_Right2
5	0.6Dead+0.6Wind_Long1R
6	0.6Dead+0.6Wind_Long2R
7	Dead+Collateral+F1PAT_LL_2
8	Dead+Collateral+F2PAT_LL_2

### BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(k )	Panel_Shear (lb/ft)	Note
			Wind	Seismic	
L_SW	G				(h)
F_SW	5				(e)
R_SW	E				(e) Braced By Main Building
B_SW	6.5				(e) Torsional Bracing Used

(e) Bracing loads must be applied to supporting building  
 (h) Rigid frame at endwall



DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
 FABRICATION AND ERECTION  
 DRAWINGS WERE PREPARED UNDER  
 THE RESPONSIBLE SUPERVISION  
 OF THE SPECIALTY ENGINEER  
 SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
 BUILDING CODES, LOADS & REACTIONS  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	FOR APPROVAL	DATE
A	HDM	5.07.21
B	TDB	7.6.21

DRAWING DATE  
**5.07.21**

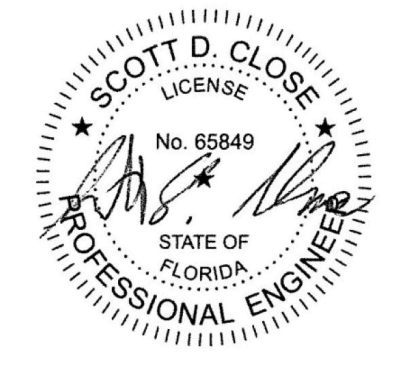
DRAWN BY  
**HDM**

CHECKED BY  
**SVW**

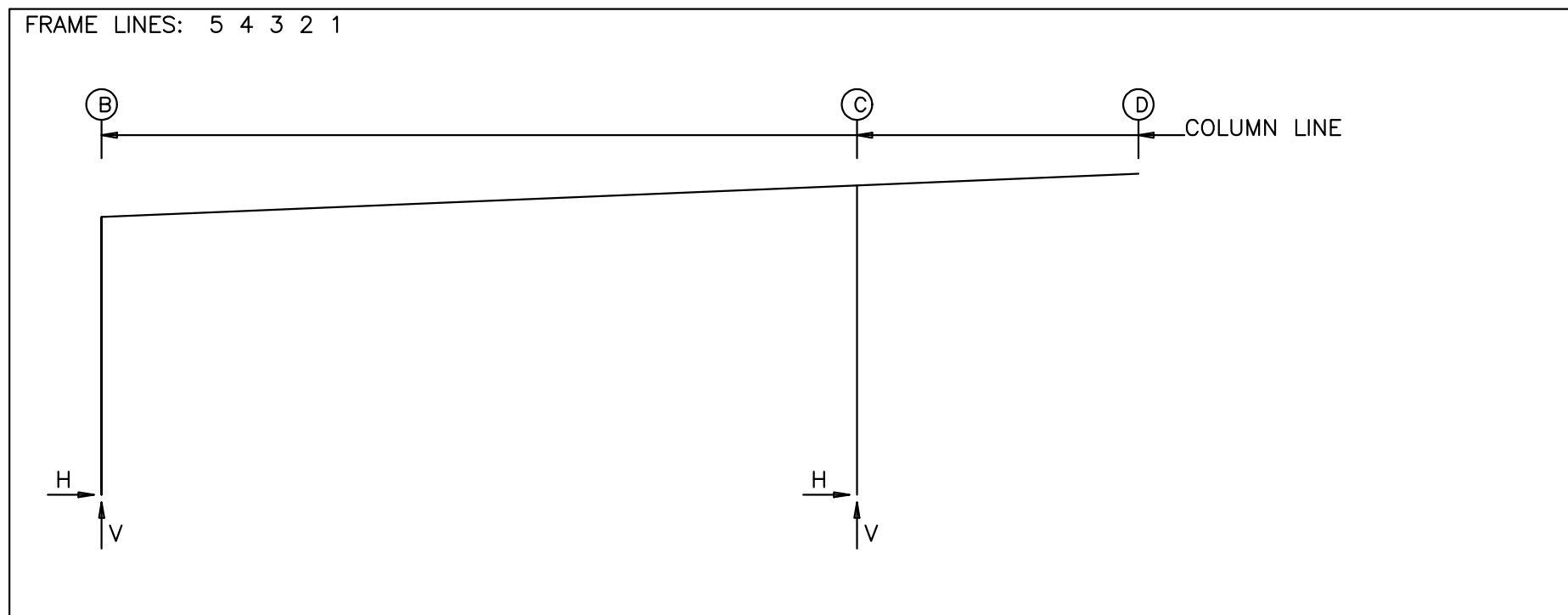
DRAWING SCALE  
**N.T.S.**

JOB NO.  
**21-020-04**

SHEET  
**AB3**



SCOTT D. CLOSE, P.E.  
 FL. LICENSE NO. 65849  
 2812 TALLEYVAST ROAD  
 SARASOTA, FL 34243



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k )						Bolt(in) Qty	Base_Plate(in) Width	Base_Plate(in) Length	Base Elev (in)		
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin						
5*	B	3	1.5	16.0	8	-1.0	-16.6	4	0.750	6.000	10.75	0.750	0.0
		4	0.9	39.1	10	0.0	-26.8						
5*	C	9	0.0	-31.1	9	0.0	-31.1	4	0.750	8.000	7.938	0.750	0.0
		5	0.0	50.7									

5\* Frame lines: 5 4 3 2

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k )						Bolt(in) Qty	Base_Plate(in) Width	Base_Plate(in) Length	Base Elev (in)		
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin						
1	B	11	0.4	-9.0	6	-0.6	18.2	4	0.750	6.000	9.500	0.375	0.0
		4	-0.3	18.5	11	0.4	-9.0						
1	C	11	0.0	-13.1	11	0.0	-13.1	4	0.750	6.000	8.125	0.500	0.0
		6	0.0	26.1									

NOTES FOR REACTIONS  
 Width = 70'-0"  
 Length = 100'-0"  
 Eave Height (ft) = 18.75 / 21.67  
 Roof Slope = 0.5:12 /

DESIGN CRITERIA:  
 National Building Code = IBC 18  
 Local Building Code = FBC 20  
 Roof Dead Load (psf) = 3.000  
 Roof Live Load (psf) = 20.00 (Reducible)  
 Collateral Load (psf) = 5  
 Ground Snow, Pg (psf) = 0.00  
 Roof Snow, Pf (psf) = 0  
 Snow Exposure, Ce = 1.00  
 Snow Thermal Coef, Ct = 1.00  
 Snow Slope Coef, Cs = 1.00  
 Snow Importance Factor = 1.00  
 Basic Wind Speed (mph) = 160  
 ASD Wind Speed (mph) = 124  
 Wind Exposure = C  
 Closed/Partial/Open = Open  
 GCpi = 0.00 (+/-)  
 Occupancy/Risk Category = II - Normal  
 Site Class = d  
 Ss (%g) = 5.2  
 S1 (%g) = 2.9  
 Seismic Design Category = A  
 Seismic Importance = 1.00  
 Basic Structural System = OSMF & OSCBF  
 Seismic Analysis Procedure = Equivalent Lateral Force

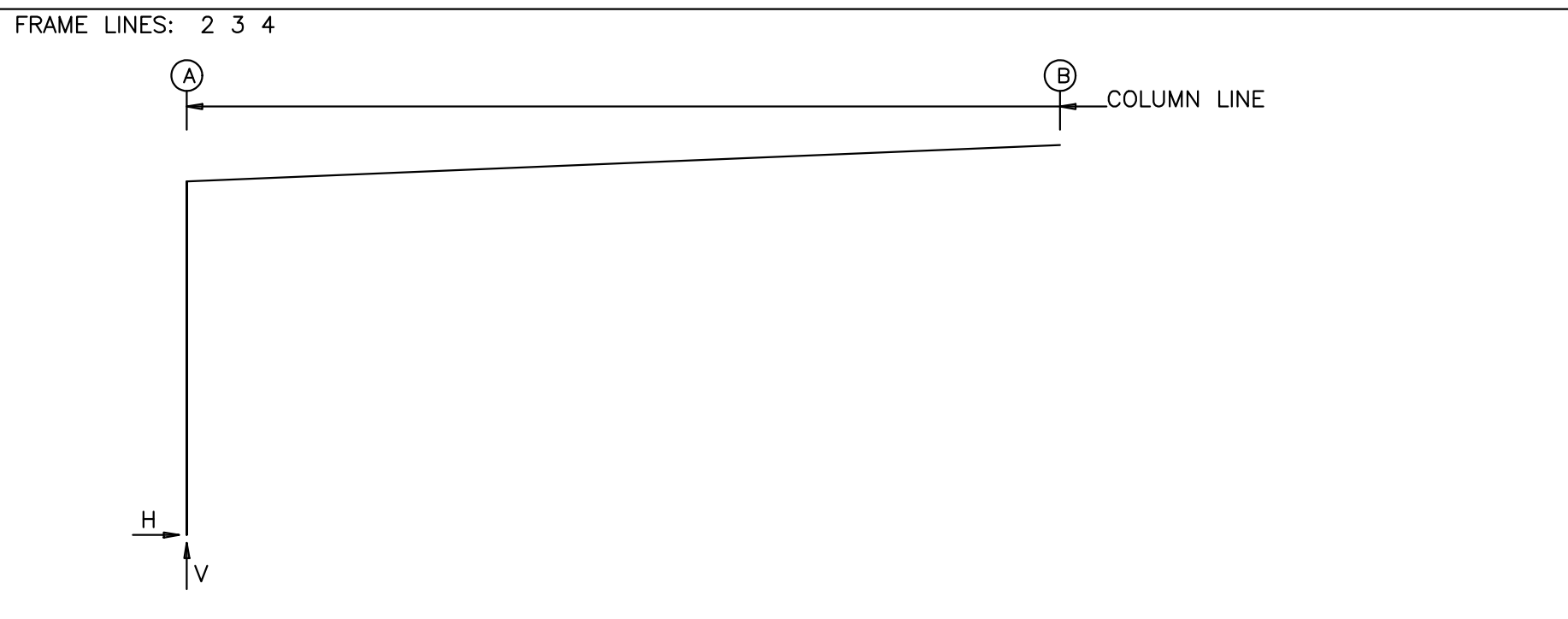
CONTROLLING LOAD COMBINATIONS:

ID	Description
1	Dead+Collateral+Live
2	Dead+0.6Wind_Left1
3	Dead+0.6Wind_Long2R
4	Dead+Collateral+0.75Live+0.45Wind_Left1
5	Dead+Collateral+0.75Live+0.45Wind_Right1
6	Dead+Collateral+0.75Live+0.45Wind_Long2R
7	0.6Dead+0.6Wind_Left1
8	0.6Dead+0.6Wind_Left2
9	0.6Dead+0.6Wind_Right2
10	0.6Dead+0.6Wind_Long1L
11	0.6Dead+0.6Wind_Long1R

BUILDING BRACING REACTIONS

Wall	Col	± Reactions(k )				Panel_Shear (lb/ft)		
Loc	Line	Horz	Vert	Horz	Vert	Wind	Seis	Note
L_EW	B	3.2	12.4	16.1	0.1	0.2		(h)
F_SW	D							(e)
R_EW	B	4.3	12.4	16.1	0.1	0.2		(b)
B_SW	B							(b)

(b)Wind bent in bay, base above finish floor  
 (e)Bracing loads must be applied to supporting building  
 (h)Rigid frame at endwall



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k )						Bolt(in) Qty	Base_Plate(in) Width	Base_Plate(in) Length	Base Elev (in)		
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin						
3*	A	3	2.9	-7.5	6	-3.5	-3.2	4	0.750	6.000	9.500	0.500	0.0
		1	0.1	6.6	7	2.8	-12.5						

3\* Frame lines: 2 3 4

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k )						Bolt(in) Qty	Base_Plate(in) Width	Base_Plate(in) Length	Base Elev (in)		
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin						
---	A	3	5.4	-12.4	6	-5.4	-0.5	4	0.750	6.000	9.500	0.625	0.0
		4	-0.9	12.1	7	5.3	-18.3						

NOTES FOR REACTIONS  
 Width = 42'-0"  
 Length = 100'-0"  
 Eave Height (ft) = 17 / 18.75  
 Roof Slope = 0.5:12 /

DESIGN CRITERIA:  
 National Building Code = IBC 18  
 Local Building Code = FBC 20  
 Roof Dead Load (psf) = 3.000  
 Roof Live Load (psf) = 20.00 (Reducible)  
 Collateral Load (psf) = 5  
 Ground Snow, Pg (psf) = 0.00  
 Roof Snow, Pf (psf) = 0  
 Snow Exposure, Ce = 1.00  
 Snow Thermal Coef, Ct = 1.00  
 Snow Slope Coef, Cs = 1.00  
 Snow Importance Factor = 1.00  
 Basic Wind Speed (mph) = 160  
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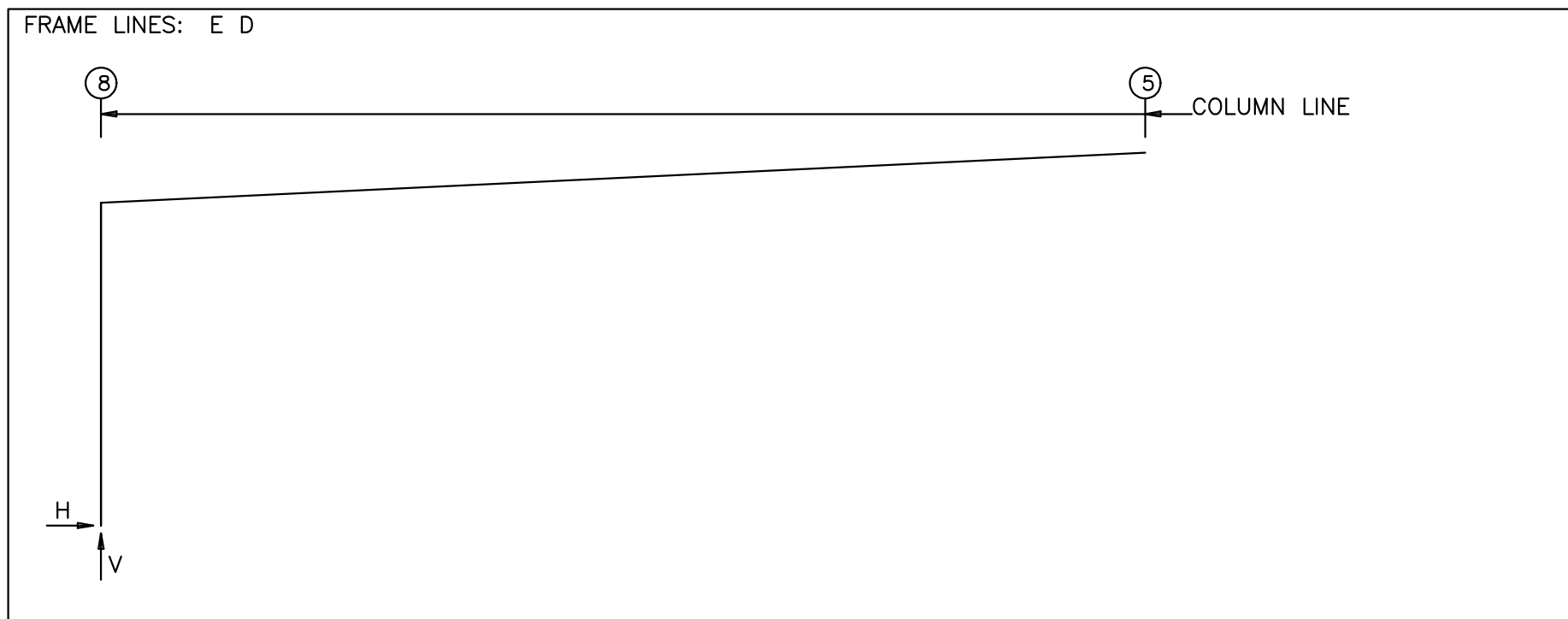
CONTROLLING LOAD COMBINATIONS:

ID	Description
1	Dead+Collateral+Live
2	Dead+0.6Wind_Left2
3	Dead+0.6Wind_Long2R
4	Dead+Collateral+0.75Live+0.45Wind_Right2
5	0.6Dead+0.6Wind_Left1
6	0.6Dead+0.6Wind_Left2
7	0.6Dead+0.6Wind_Long1R
8	0.6Dead+0.6Wind_Long2R

BUILDING BRACING REACTIONS

Wall	Col	± Reactions(k )				Panel_Shear (lb/ft)		
Loc	Line	Horz	Vert	Horz	Vert	Wind	Seis	Note
L_EW	B							(h)
F_SW	B							(e)
R_EW	---							(h)
B_SW	A	Torsional Bracing Used						

(e)Bracing loads must be applied to supporting building  
 (h)Rigid frame at endwall



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k )						Bolt(in) Qty	Base_Plate(in) Width	Base_Plate(in) Length	Base Elev (in)		
		Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin						
E*	B	1	2.3	27.0	3	-1.1	-13.4	4	0.750	6.000	9.625	0.500	0.0

E\* Frame lines: E D

NOTES FOR REACTIONS

Width = 60'-8"  
 Length = 98'-8"  
 Eave Height (ft) = 18.75 / 21.67  
 Roof Slope = 0.5769:12 /

DESIGN CRITERIA:  
 National Building Code = IBC 18  
 Local Building Code = FBC 20  
 Roof Dead Load (psf) = 3.000  
 Roof Live Load (psf) = 20.00 (Reducible)  
 Collateral Load (psf) = 5  
 Ground Snow, Pg (psf) = 0.00  
 Roof Snow, Pf (psf) = 0  
 Snow Exposure, Ce = 1.00  
 Snow Thermal Coef, Ct = 1.00  
 Snow Slope Coef, Cs = 1.00  
 Snow Importance Factor = 1.00  
 Basic Wind Speed (mph) = 160  
 ASD Wind Speed (mph) = 124  
 Wind Exposure = C  
 Closed/Partial/Open = Open  
 GCpi = 0.00 (+/-)  
 Occupancy/Risk Category = II - Normal  
 Site Class = d  
 Ss (%g) = 5.2  
 S1 (%g) = 2.9  
 Seismic Design Category = A  
 Seismic Importance = 1.00  
 Basic Structural System = OSMF & OSCBF  
 Seismic Analysis Procedure = Equivalent Lateral Force

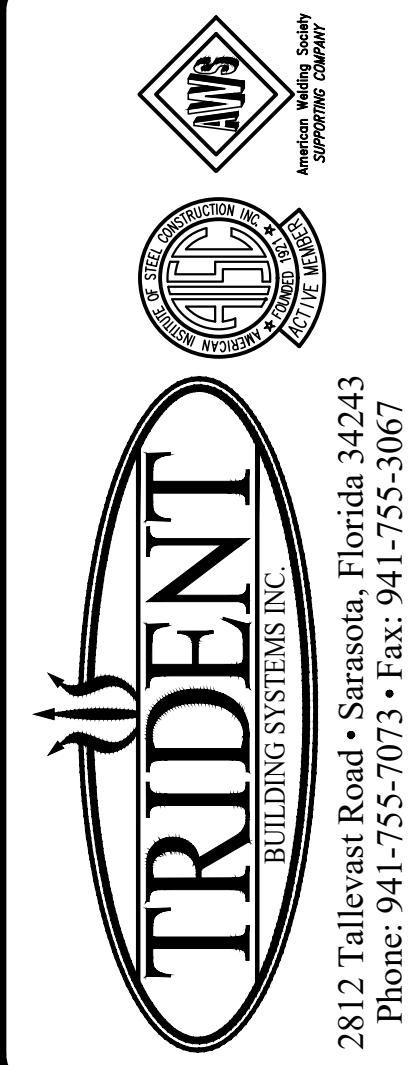
CONTROLLING LOAD COMBINATIONS:

ID	Description
1	Dead+Collateral+0.75Live+0.45Wind_Left1
2	Dead+Collateral+0.75Live+0.45Wind_Right1
3	0.6Dead+0.6Wind_Left2
4	0.6Dead+0.6Wind_Right2
5	0.6Dead+0.6Wind_Long1R

BUILDING BRACING REACTIONS

Wall	Col	± Reactions(k )				Panel_Shear (lb/ft)		
Loc	Line	Horz	Vert	Horz	Vert	Wind	Seis	Note
L_EW	E							(h)
F_SW	S							(e)
R_EW	B	Braced By Main Building						
B_SW	B	Braced By Main Building						

(e)Bracing loads must be applied to supporting building  
 (h)Rigid frame at endwall



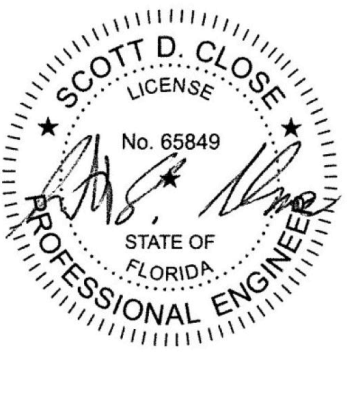
DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
 FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBILITY SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
 BUILDING CODES, LOADS & REACTIONS  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS

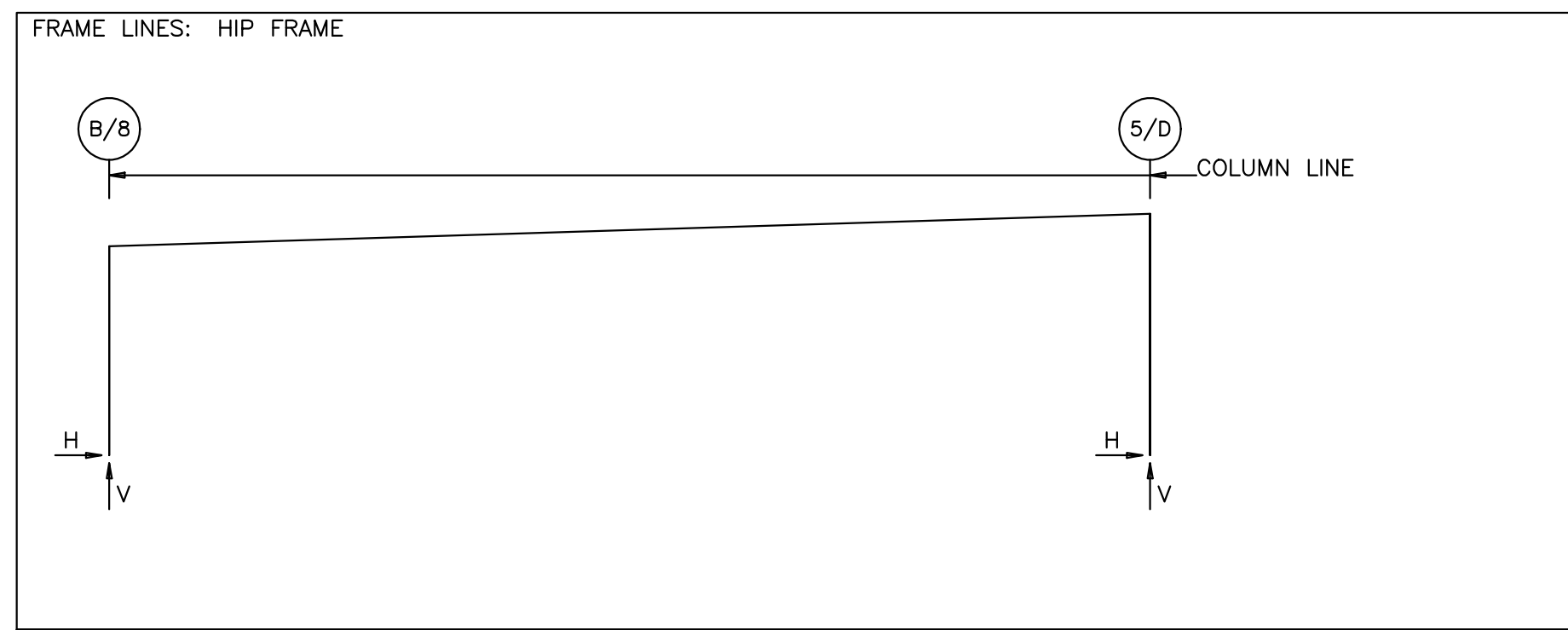
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21

DRAWING DATE  
**5.07.21**  
 DRAWN BY  
**HDM**  
 CHECKED BY  
**SVW**  
 DRAWING SCALE  
**N.T.S.**  
 JOB NO.  
**21-020-04**  
 SHEET  
**AB4**



SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

H:\2021\2021-08-04\IBC\_HHW\U-0548\Framing\SA4.dwg, 16:20:21 8/11/21 JAM



**RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES**

Frm Line	Col Line	Column_Reactions(k)						Bolt Qty	Dia (in)	Base_Plate(in)			Base Elev (in)
		Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V			Width	Length	Thick	
----	B/8	2	27.3	48.8	3	-40.7	-71.6	8	1.000	10.00	19.88	0.750	0.0
----	5/D	4	42.9	-52.9	1	-25.9	32.6	6	1.000	10.00	15.75	0.750	0.0
----		2	-18.8	33.2	4	42.9	-52.9						

**NOTES FOR REACTIONS**

Width = 93'-4 11/16"  
 Length = 50'-8"  
 Eave Height (ft) = 18.75 / 21.67  
 Roof Slope = 0.3748:12 /

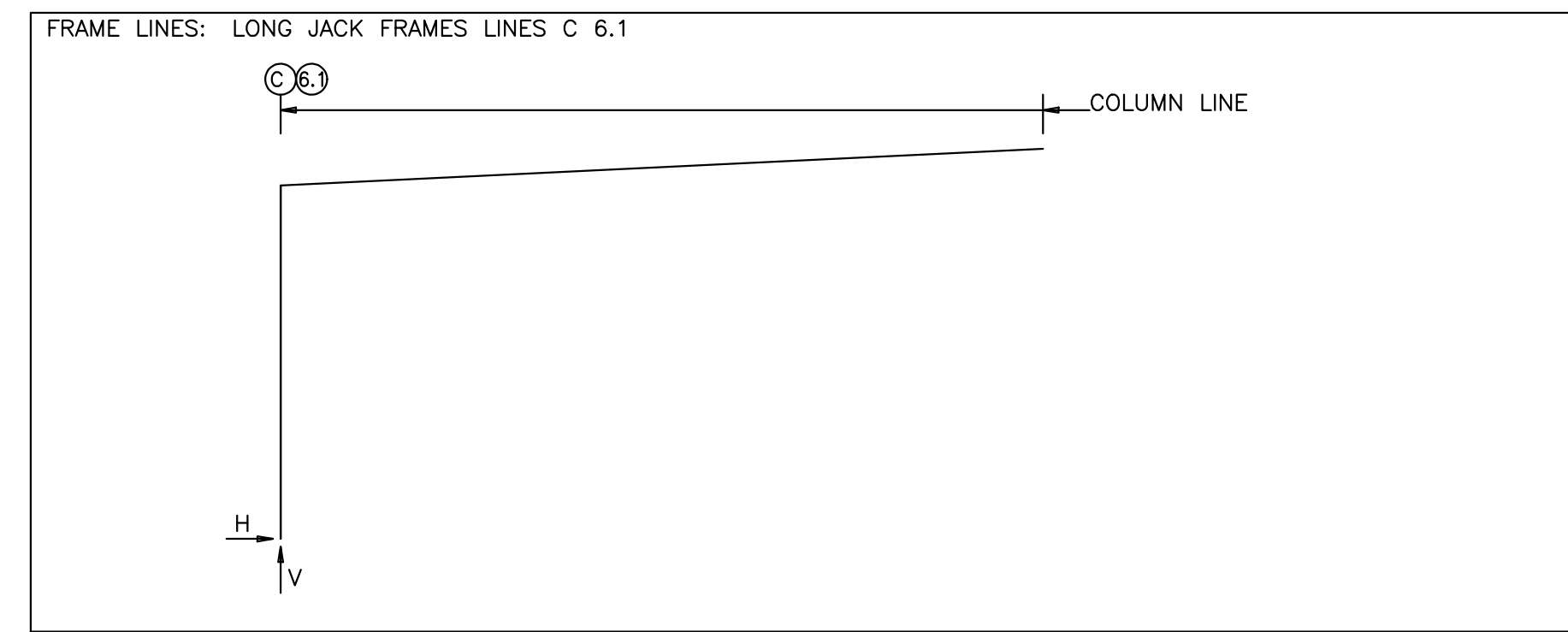
**DESIGN CRITERIA:**

National Building Code = IBC 18  
 Local Building Code = FBC 20  
 Roof Dead Load (psf) = 3,000  
 Roof Live Load (psf) = 20.00 (Reducible)  
 Collateral Load (psf) = 5  
 Ground Snow, Pg (psf) = 0.00  
 Roof Snow, Pf (psf) = 0  
 Snow Exposure, Ce = 1.00  
 Snow Thermal Coef, Ct = 1.00  
 Snow Slope Coef, Cs = 1.00  
 Snow Importance Factor = 1.00  
 Basic Wind Speed (mph) = 160  
 ASD Wind Speed (mph) = 124  
 Wind Exposure = C  
 Closed/Partial/Open = Partial  
 GCpi = 0.55 (+/-)  
 Occupancy/Risk Category = II - Normal  
 Site Class = D  
 Ss (%g) = 6  
 S1 (%g) = 3  
 Seismic Design Category = A  
 Seismic Importance = 1.00  
 Basic Structural System = OSMF & OSCBF  
 Seismic Analysis Procedure = Equivalent Lateral Force

**CONTROLLING LOAD COMBINATIONS:**

ID Description

1 Dead+Collateral+Live  
 2 Dead+Collateral+0.75Live+0.45Wind\_Right2  
 3 0.6Dead+0.6Wind\_Left1  
 4 0.6Dead+0.6Wind\_Long1R



**RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES**

Frm Line	Col Line	Column_Reactions(k)						Bolt Qty	Dia (in)	Base_Plate(in)			Base Elev (in)
		Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V			Width	Length	Thick	
----	*C	2	6.1	-9.5	5	-6.1	-0.4	4	0.750	6.000	9.500	0.625	0.0
----		3	-1.0	12.0	6	5.9	-21.4						

----\* Frame lines: C 6.1

**NOTES FOR REACTIONS**

Width = 40'-5 5/16"  
 Length = 71'-0"  
 Eave Height (ft) = 18.75 / 20.69  
 Roof Slope = 0.5769:12 /

**DESIGN CRITERIA:**

National Building Code = IBC 18  
 Local Building Code = FBC 20  
 Roof Dead Load (psf) = 3,000  
 Roof Live Load (psf) = 20.00 (Reducible)  
 Collateral Load (psf) = 5  
 Ground Snow, Pg (psf) = 0.00  
 Roof Snow, Pf (psf) = 0  
 Snow Exposure, Ce = 1.00  
 Snow Thermal Coef, Ct = 1.00  
 Snow Slope Coef, Cs = 1.00  
 Snow Importance Factor = 1.00  
 Basic Wind Speed (mph) = 160  
 ASD Wind Speed (mph) = 124  
 Wind Exposure = C  
 Closed/Partial/Open = Partial  
 GCpi = 0.55 (+/-)  
 Occupancy/Risk Category = II - Normal  
 Site Class = D  
 Ss (%g) = 6  
 S1 (%g) = 3  
 Seismic Design Category = A  
 Seismic Importance = 1.00  
 Basic Structural System = OSMF & OSCBF  
 Seismic Analysis Procedure = Equivalent Lateral Force

**CONTROLLING LOAD COMBINATIONS:**

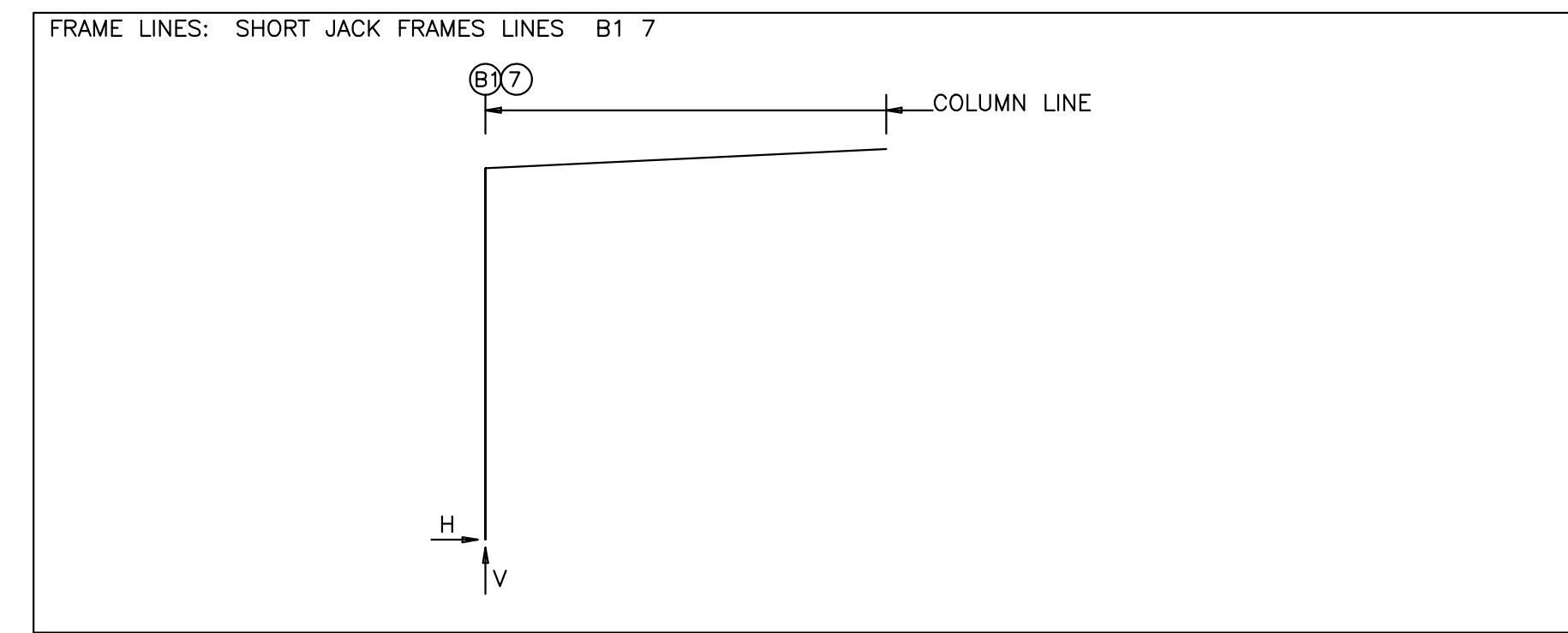
ID Description

1 Dead+0.6Wind\_Left2  
 2 Dead+0.6Wind\_Long2R  
 3 Dead+Collateral+0.75Live+0.45Wind\_Right2  
 4 0.6Dead+0.6Wind\_Left1  
 5 0.6Dead+0.6Wind\_Left2  
 6 0.6Dead+0.6Wind\_Long1L

**BUILDING BRACING REACTIONS**

Loc	Wall Line	Col Line	Reactions(k)				Panel Shear (lb/ft)	Note
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert		
L_EW	5		Braced By Main Building					(f)
R_EW			Braced By Main Building					(f)
B_SW	B		3.7	4.9	0.1	0.1		(b)

(b) Wind bent in bay, base above finish floor  
 (f) Bracing loads are applied to adjacent building



**RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES**

Frm Line	Col Line	Column_Reactions(k)						Bolt Qty	Dia (in)	Base_Plate(in)			Base Elev (in)
		Load Id	Hmax H	Vmax V	Load Id	Hmin H	Vmin V			Width	Length	Thick	
----	B1	2	6.4	-6.6	5	-6.2	0.0	4	0.750	6.000	9.625	0.500	0.0
----		3	-1.1	6.9	6	6.3	-9.7						

----\* Frame lines: B1 7

**NOTES FOR REACTIONS**

Width = 20'-2 11/16"  
 Length = 71'-0"  
 Eave Height (ft) = 18.75 / 19.72  
 Roof Slope = 0.5769:12 /

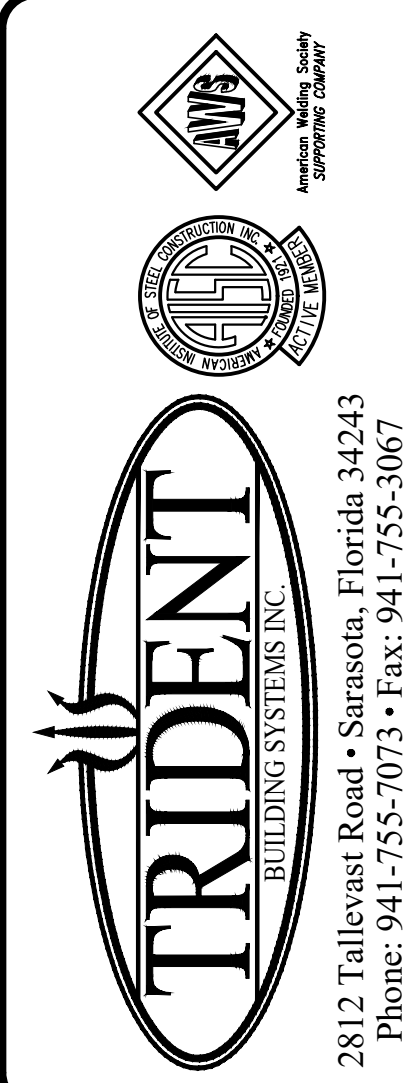
**DESIGN CRITERIA:**

National Building Code = IBC 18  
 Local Building Code = FBC 20  
 Roof Dead Load (psf) = 3,000  
 Roof Live Load (psf) = 20.00 (Reducible)  
 Collateral Load (psf) = 5  
 Ground Snow, Pg (psf) = 0.00  
 Roof Snow, Pf (psf) = 0  
 Snow Exposure, Ce = 1.00  
 Snow Thermal Coef, Ct = 1.00  
 Snow Slope Coef, Cs = 1.00  
 Snow Importance Factor = 1.00  
 Basic Wind Speed (mph) = 160  
 ASD Wind Speed (mph) = 124  
 Wind Exposure = C  
 Closed/Partial/Open = Partial  
 GCpi = 0.55 (+/-)  
 Occupancy/Risk Category = II - Normal  
 Site Class = D  
 Ss (%g) = 6  
 S1 (%g) = 3  
 Seismic Design Category = A  
 Seismic Importance = 1.00  
 Basic Structural System = OSMF & OSCBF  
 Seismic Analysis Procedure = Equivalent Lateral Force

**CONTROLLING LOAD COMBINATIONS:**

ID Description

1 Dead+0.6Wind\_Left2  
 2 Dead+0.6Wind\_Long2R  
 3 Dead+Collateral+0.75Live+0.45Wind\_Right2  
 4 0.6Dead+0.6Wind\_Left1  
 5 0.6Dead+0.6Wind\_Left2  
 6 0.6Dead+0.6Wind\_Long1R



DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
 FABRICATION AND ERECTION  
 DRAWINGS WERE PREPARED UNDER  
 THE RESPONSIBLE SUPERVISION  
 OF THE SPECIALTY ENGINEER  
 SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
**BUILDING CODES, LOADS & REACTIONS**  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

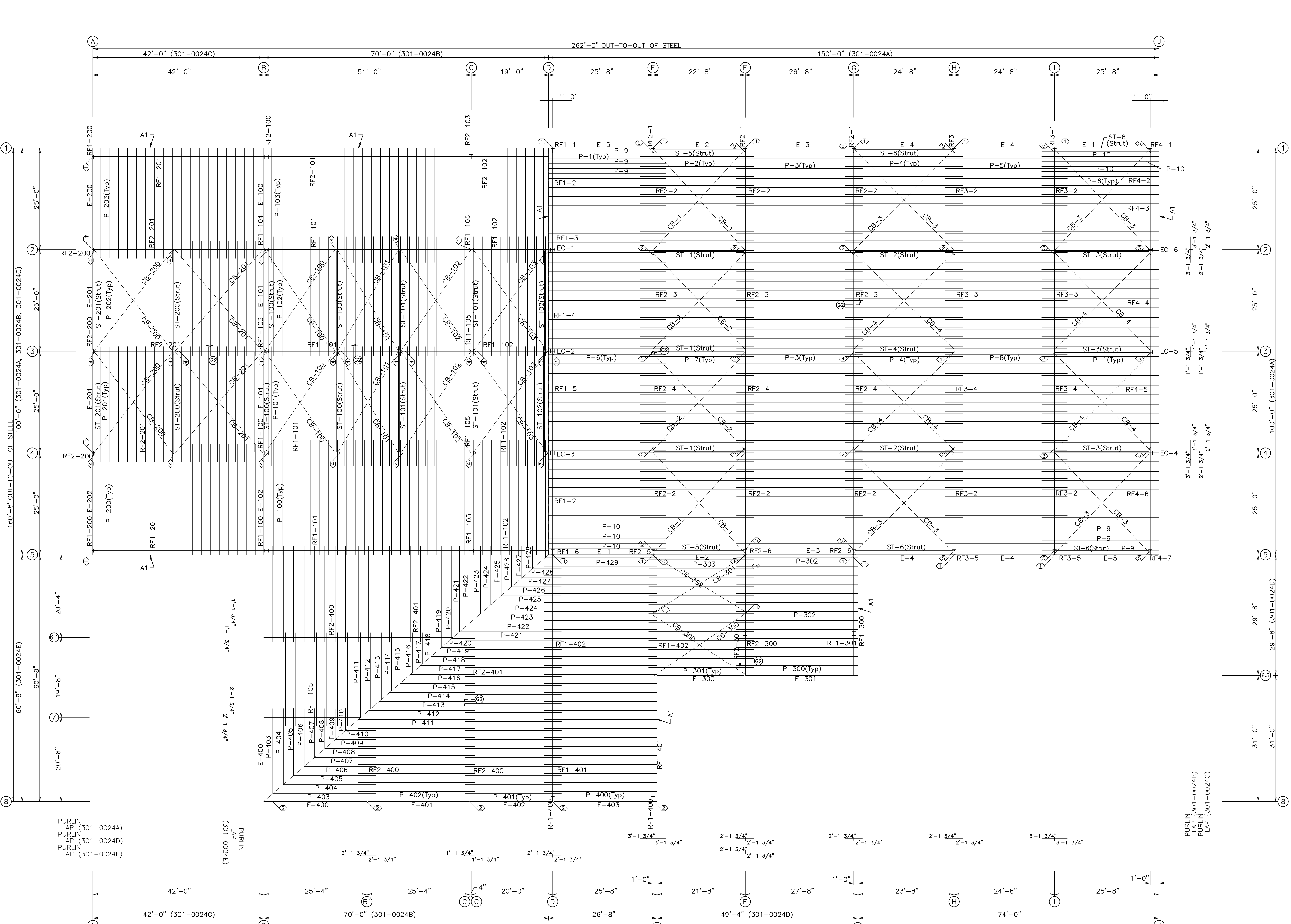
REVISIONS	DATE
A FOR APPROVAL	5.07.21
B SIGNED & SEALED FOR PERMIT	7.6.21

DRAWING DATE  
**5.07.21**  
 DRAWN BY  
**HDM**  
 CHECKED BY  
**SVW**  
 DRAWING SCALE  
**N.T.S.**  
 JOB NO.  
**21-020-04**  
 SHEET  
**AB5**



SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

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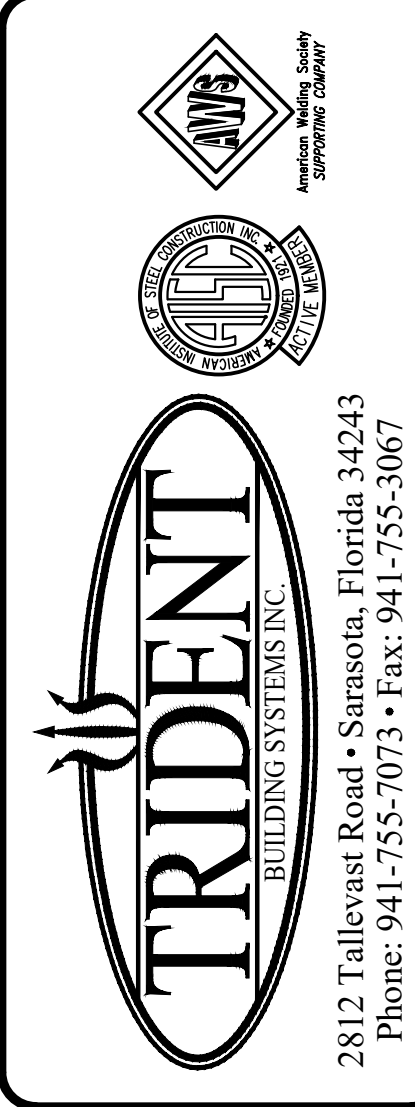


**SPECIAL BOLTS**

ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	0
2	4	A325	1/2"	1 1/4"	0
3	4	A325	3/4"	1 1/2"	0
4	2	A325	1/2"	1 1/4"	0
5	2	A307	1/2"	1 1/4"	0

**MEMBER TABLE**

MARK	PART	LENGTH
<b>301-0024A</b>		
P-1	10X25Z12	
P-2	10X25Z14	
P-3	10X25Z14	
P-4	10X25Z14	
P-5	10X25Z14	
P-6	10X25Z12	
P-7	10X25Z14	
P-8	10X25Z14	
P-9	10X35Z14	
P-10	10X35Z14	
RF1-1	10ES14	
RF1-2	10ES14	
RF1-3	10ES14	
RF1-4	10ES14	
RF1-5	10ES14	
RF1-6	10ES14	
RF1-7	10ES14	
RF1-8	10ES14	
RF1-9	10ES14	
RF1-10	10ES14	
RF2-1	10ES14	
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RF2-3	10ES14	
RF2-4	10ES14	
RF2-5	10ES14	
RF2-6	10ES14	
RF2-7	10ES14	
RF2-8	10ES14	
RF2-9	10ES14	
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RF3-5	10ES14	
RF3-6	10ES14	
RF3-7	10ES14	
RF3-8	10ES14	
RF3-9	10ES14	
RF3-10	10ES14	
RF4-1	10ES14	
RF4-2	10ES14	
RF4-3	10ES14	
RF4-4	10ES14	
RF4-5	10ES14	
RF4-6	10ES14	
RF4-7	10ES14	
ST-1	8X70D12	
ST-2	8X70D12	
ST-3	8X70D12	
ST-4	8X70D12	
ST-5	8X70D12	
ST-6	8X70D12	
CB-1	8X50D16	
CB-2	8X50D16	
CB-3	8X50D16	
CB-4	8X50D16	
EC-1	WX8	
EC-2	WX8	
EC-3	WX8	
EC-4	WX8	
EC-5	WX8	
EC-6	WX8	
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EC-100	WX8	



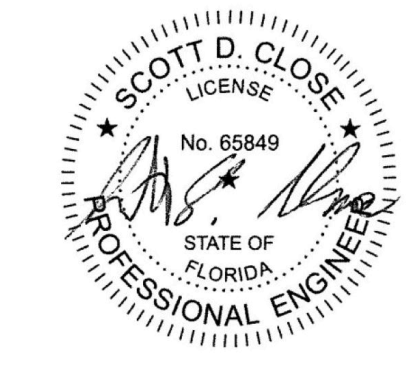
DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
 FABRICATION AND ERECTION  
 DRAWINGS WERE PREPARED UNDER  
 THE RESPONSIBLE SUPERVISION  
 OF THE SPECIALTY ENGINEER  
 SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
**ROOF FRAMING PLAN**  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

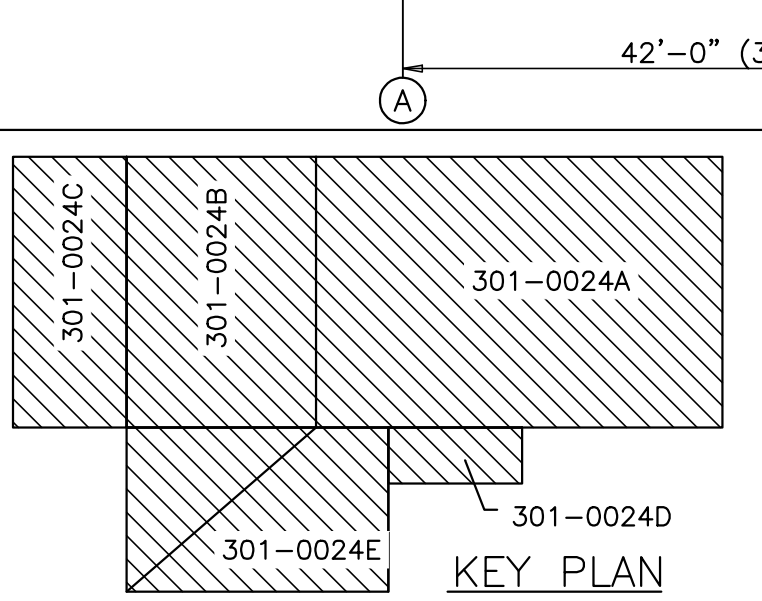
REVISIONS	DATE	BY
A	5.07.21	HDM
B	7.6.21	TDB

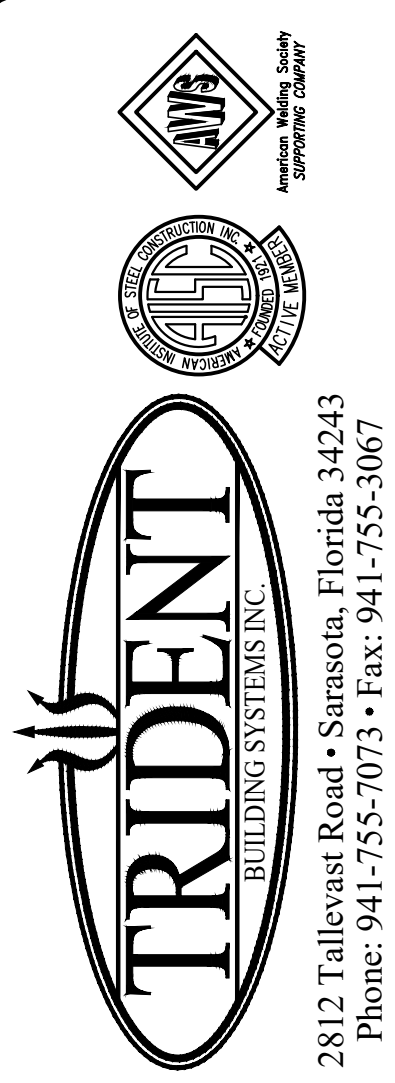
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E1

SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243



**ROOF FRAMING PLAN**





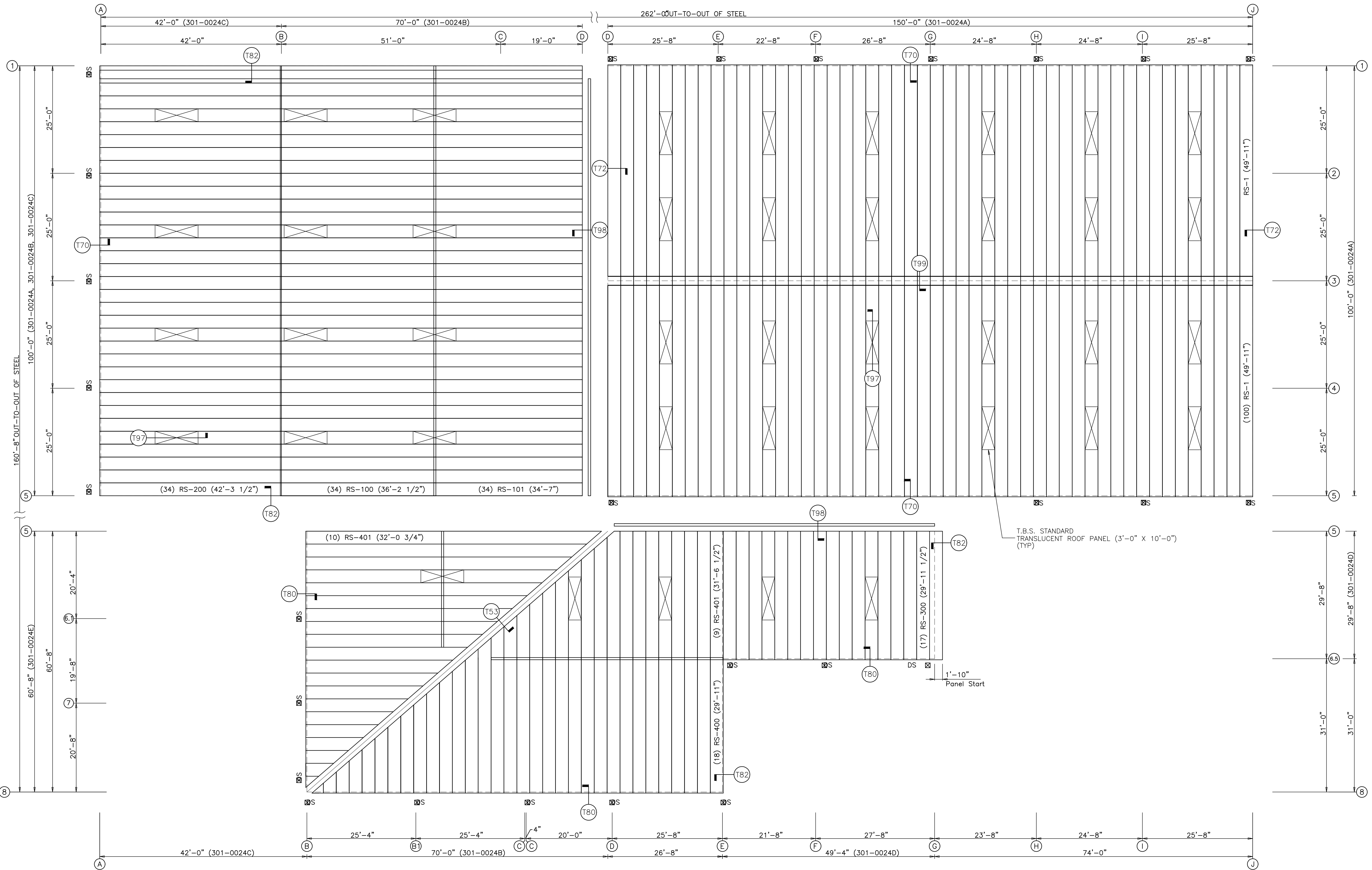
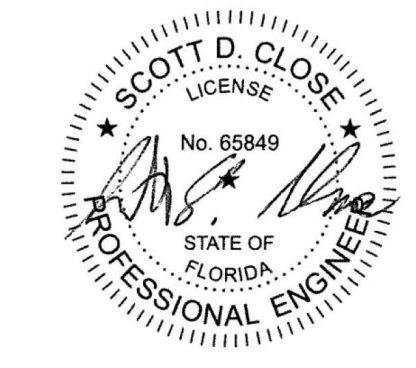
DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
 FABRICATION AND ERECTION  
 DRAWINGS WERE PREPARED UNDER  
 THE RESPONSIBLE SUPERVISION  
 OF THE SPECIALTY ENGINEER  
 SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
**ROOF SHEETING PLAN**  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

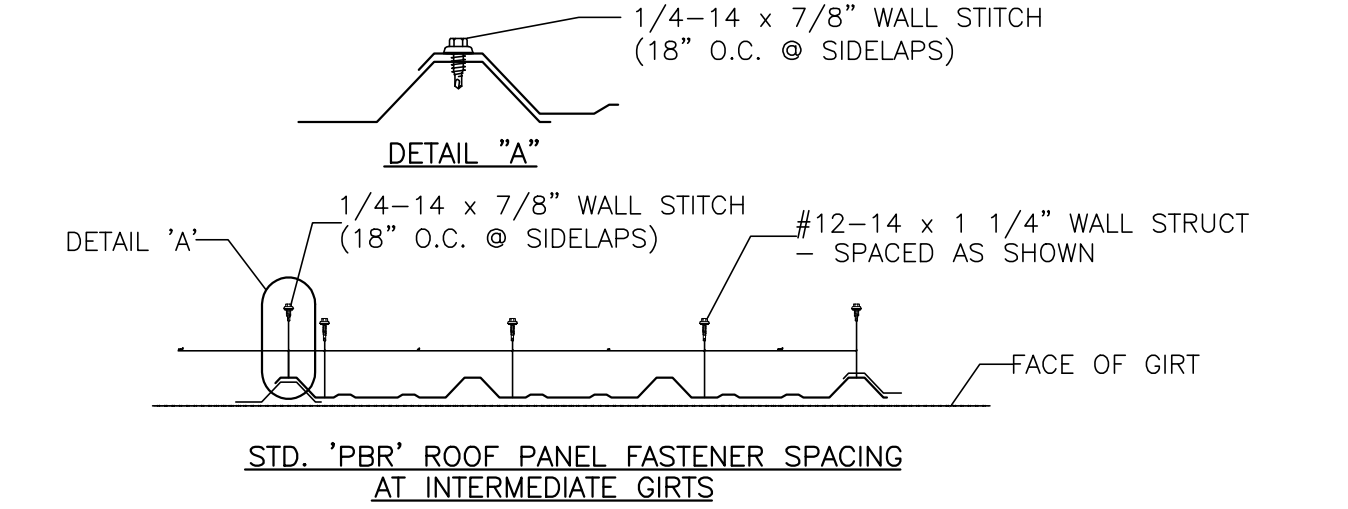
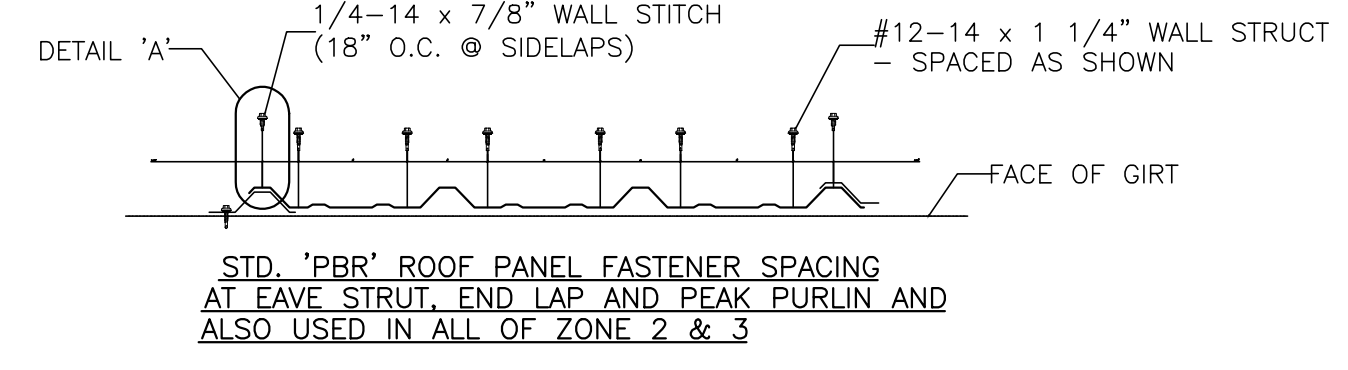
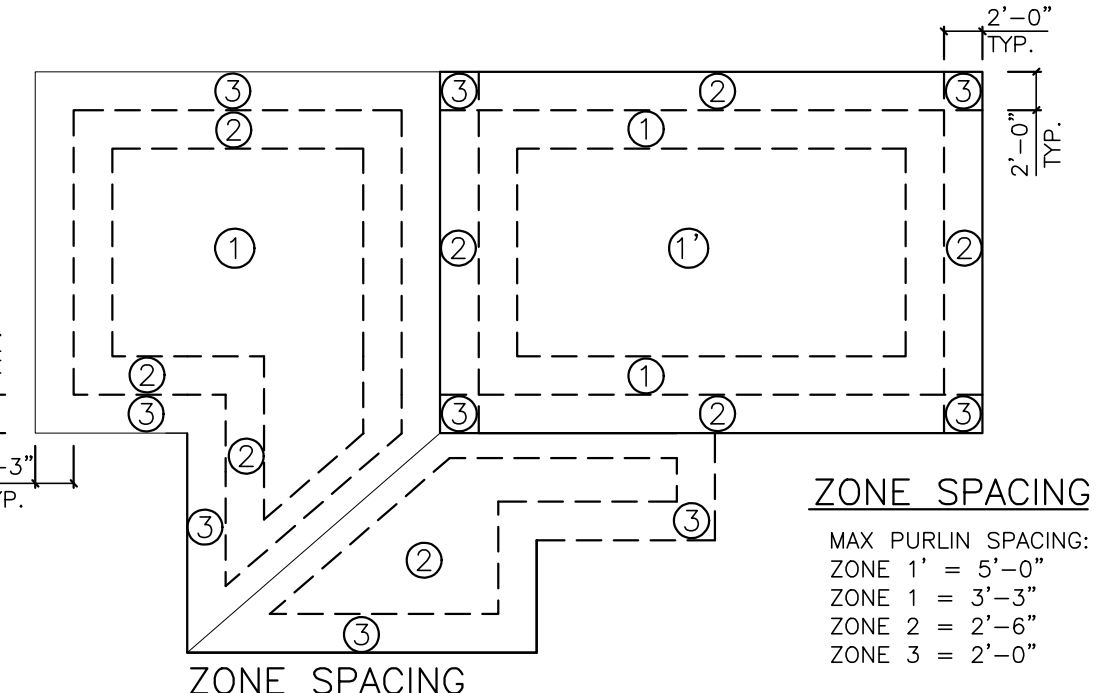
REVISIONS	
A	FOR APPROVAL 5.07.21
B	SIGNED & SEALED FOR PERMIT 7.6.21
	HDM
	TDB

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E2

SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

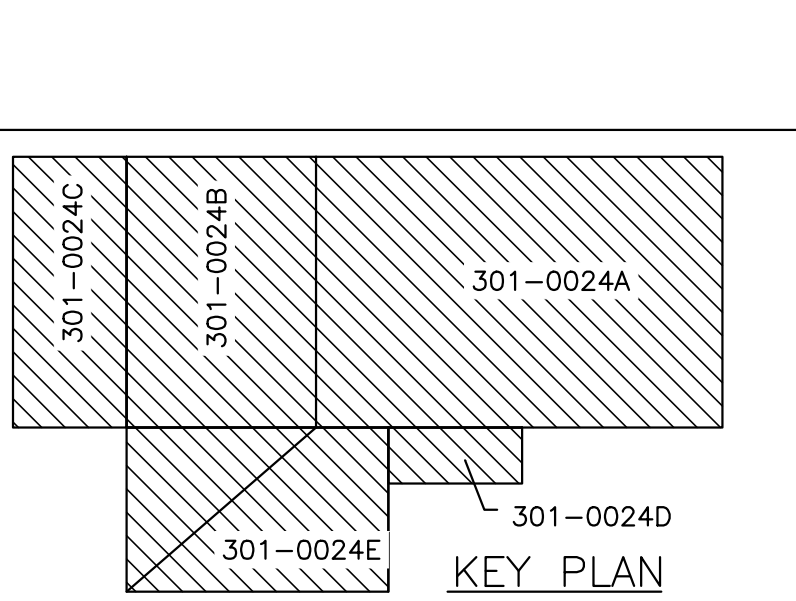


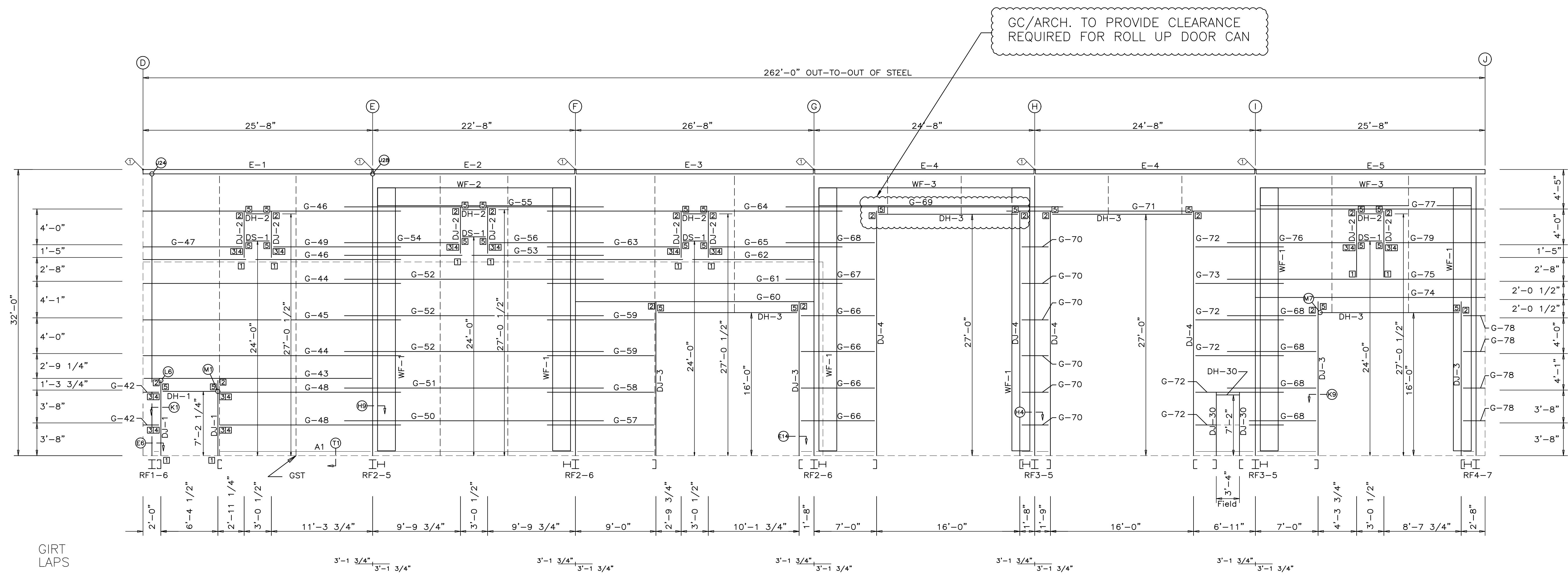
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 MAX PURLIN SPACING:  
 ZONE 1 = 5'-0"  
 ZONE 2 = 4'-0"  
 ZONE 3 = 2'-3"



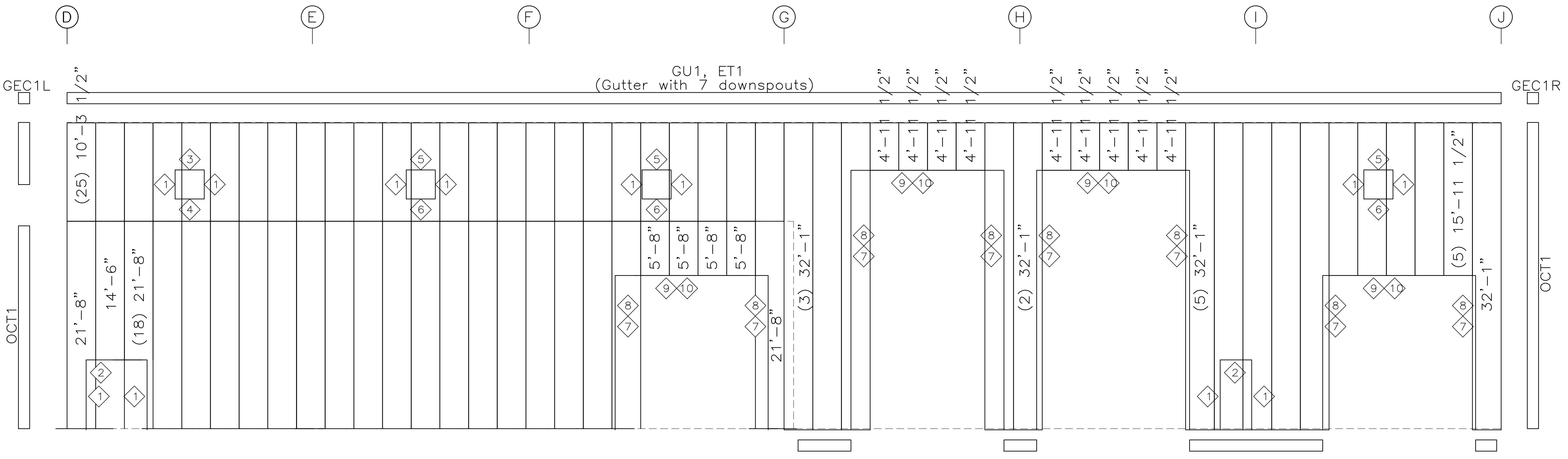
**ROOF SHEETING PLAN**

PANELS: 26 Ga. TBS PBR Roof Panel - GALVALUME  
 DOWNSPOUT: DS = Downspout Location  
 3"x5" 24 Ga. Downspout W/ Straps @ 4'-0" O.C. - Color: T.B.D.  
 (Downspout Transition To Storm Drain NQT By Trident Building Systems.)  
 GUTTER: 26 Ga. 5"x5" Gutter- Color: T.B.D.





WALL FRAMING: FRAME LINE 5



WALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 Ga. TBS PBR Wall Panel

**BOLT TABLE**  
FRAME LINE 5

LOCATION	QUAN	TYPE	DIA	LENGTH
301-0024A				
WF-1	10	A325	3/4"	2 1/2"
WF-1	18	A325	5/8"	1 3/4"
WF-1	18	A325	5/8"	1 3/4"
WF-1	10	A325	3/4"	2 1/2"
WF-1	18	A325	5/8"	1 3/4"
WF-1	18	A325	5/8"	1 3/4"

**ANGLE & STRAPPING TABLE**  
FRAME LINE 5

ID	MARK	LENGTH	DETAIL
0	GST	20'-0"	AN1

**TRIM TABLE**  
FRAME LINE 5

ID	MARK	LENGTH	DETAIL
1	GUT	20'-0"	T70
2	OCT1	20'-0"	T53
3	RT1	20'-0"	T82
4	HT1	20'-0"	T82
5	HT1	20'-0"	T82
6	HT1	20'-0"	T82
7	HT1	20'-0"	T82
8	HT1	20'-0"	T82
9	HT1	20'-0"	T82
10	HT1	20'-0"	T82

**SPECIAL BOLTS**

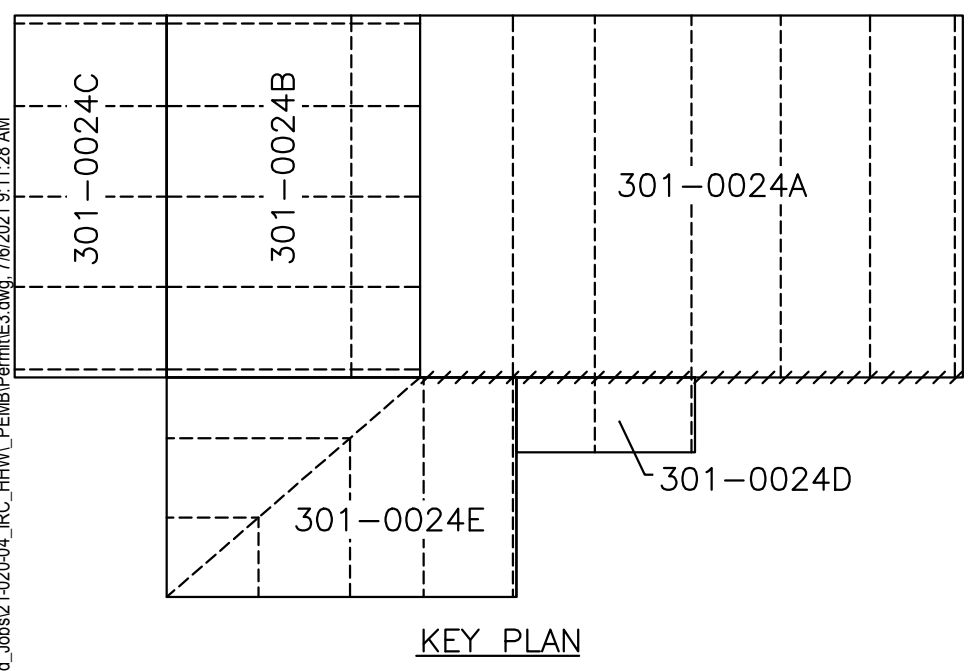
ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	0

**MEMBER TABLE**  
FRAME LINE 5

MARK	PART	LENGTH
WF-1	B2400250	
WF-2	B2480237	
WF-3	B2400250	
DJ-1	10X25C16	
DJ-2	10X25C16	
DJ-3	10X25C16	
DJ-4	10X25C16	
DJ-5	10X25C16	
DJ-6	10X25C16	
DJ-7	10X25C16	
DJ-8	10X25C16	
DJ-9	10X25C16	
DJ-10	10X25C16	
DJ-11	10X25C16	
DJ-12	10X25C16	
DJ-13	10X25C16	
DJ-14	10X25C16	
DJ-15	10X25C16	
DJ-16	10X25C16	
DJ-17	10X25C16	
DJ-18	10X25C16	
DJ-19	10X25C16	
DJ-20	10X25C16	
DJ-21	10X25C16	
DJ-22	10X25C16	
DJ-23	10X25C16	
DJ-24	10X25C16	
DJ-25	10X25C16	
DJ-26	10X25C16	
DJ-27	10X25C16	
DJ-28	10X25C16	
DJ-29	10X25C16	
DJ-30	10X25C16	
DJ-31	10X25C16	
DJ-32	10X25C16	
DJ-33	10X25C16	
DJ-34	10X25C16	
DJ-35	10X25C16	
DJ-36	10X25C16	
DJ-37	10X25C16	
DJ-38	10X25C16	
DJ-39	10X25C16	
DJ-40	10X25C16	
DJ-41	10X25C16	
DJ-42	10X25C16	
DJ-43	10X25C16	
DJ-44	10X25C16	
DJ-45	10X25C16	
DJ-46	10X25C16	
DJ-47	10X25C16	
DJ-48	10X25C16	
DJ-49	10X25C16	
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DJ-51	10X25C16	
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DJ-64	10X25C16	
DJ-65	10X25C16	
DJ-66	10X25C16	
DJ-67	10X25C16	
DJ-68	10X25C16	
DJ-69	10X25C16	
DJ-70	10X25C16	
DJ-71	10X25C16	
DJ-72	10X25C16	
DJ-73	10X25C16	
DJ-74	10X25C16	
DJ-75	10X25C16	
DJ-76	10X25C16	
DJ-77	10X25C16	
DJ-78	10X25C16	
DJ-79	10X25C16	

**CONNECTION PLATES**  
FRAME LINE 5

ID	MARK	PART
1	JCA08	JCP08
2	JTC	1
4	JCP10	
5	HJCO8	



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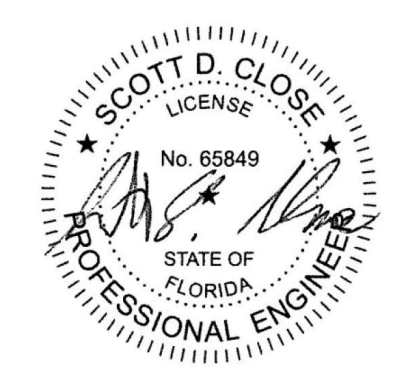
DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E.# 65849  
FABRICATION AND ERECTION  
DRAWINGS WERE PREPARED UNDER  
THE RESPONSIBLE SUPERVISION  
OF THE SPECIALTY ENGINEER  
SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
SIDEWALL FRAMING & SHEETING LINE 5  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS

NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

DRAWING DATE  
**5.07.21**  
DRAWN BY  
**HDM**  
CHECKED BY  
**SVW**  
DRAWING SCALE  
**N.T.S.**  
JOB NO.  
**21-020-04**  
SHEET  
**E3**



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FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-4 - WF-5	10	A325	3/4"	2 1/4"
WF-4 - RF4-1	18	A325	5/8"	1 3/4"
WF-4 - RF3-1	18	A325	5/8"	1 3/4"
WF-4 - RF2-1	18	A325	5/8"	1 3/4"
WF-6 - WF-7	10	A325	3/4"	2"
WF-6 - RF2-1	18	A325	5/8"	1 3/4"

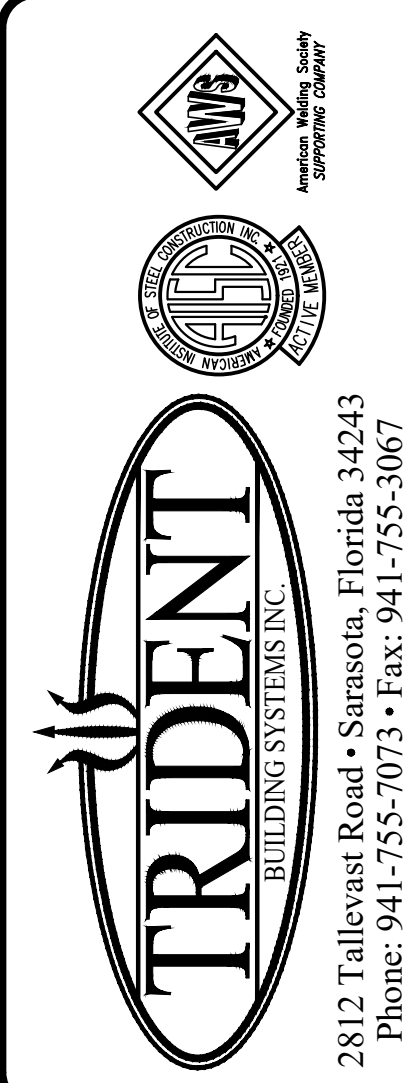
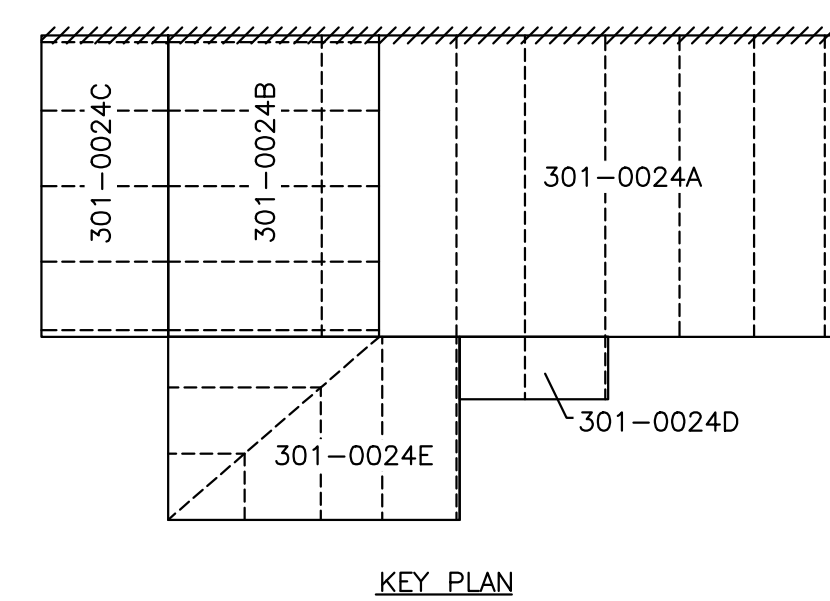
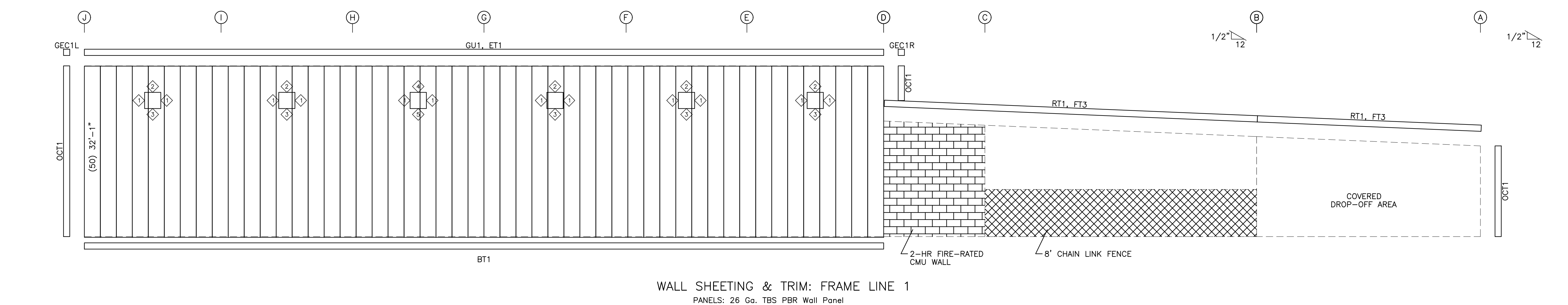
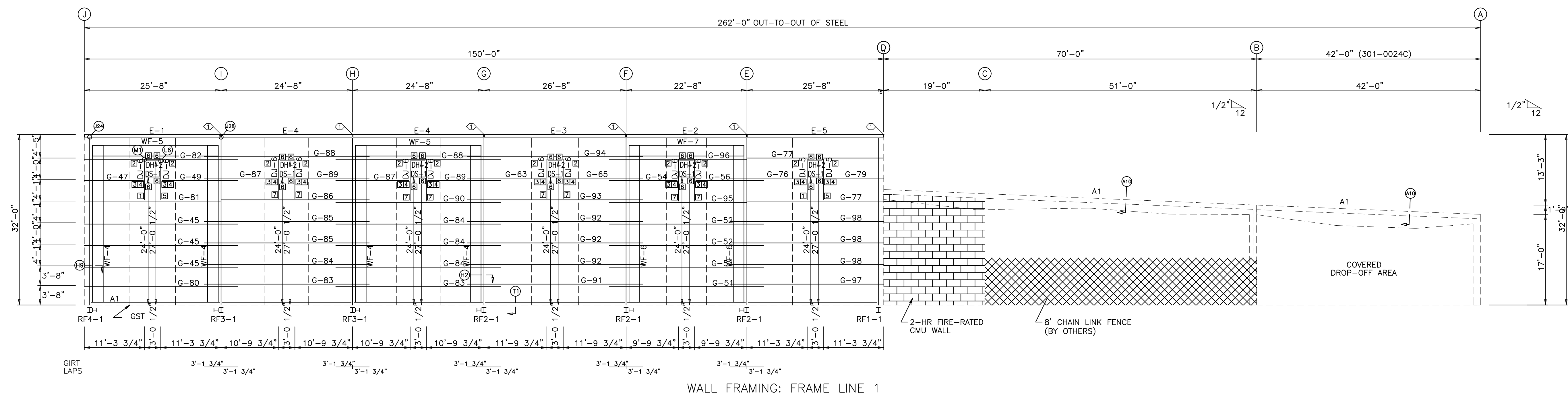
TRIM	FRAME LINE	LENGTH	DETAIL
GUT1	20'-3"	T70	
ET1	20'-3"	T70	
OCT1	20'-3"	T53	
OCT1	20'-3"	T53	
OCT1	20'-3"	T53	
RT1	20'-3"	T82	
FT3	20'-3"	T82	
1 JT1	20'-3"	T60	
2 HT1	SCRAP	T68	
3 SLT1	SCRAP	T68	
4 HT1	20'-3"	T68	
5 SLT1	20'-3"	T68	

ANGLE & STRAPPING	FRAME LINE	LENGTH	DETAIL
0	GST	20'-0"	AN1

SPECIAL BOLTS	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	0

MEMBER TABLE	FRAME LINE	PART	LENGTH
WF-4	B2480037		
WF-5	B2480837		
WF-6	B2480337		
WF-7	B2480237		
DJ-5	10X25C16		
DJ-6	10X25C16		
DS-1	10X25C16		
F-1	10ES14		
F-2	10ES14		
F-3	10ES14		
F-4	10ES14		
F-5	10ES14		
G-45	10X35Z12		
G-47	10X25Z16		
G-49	10X25Z16		
G-51	10X25Z14		
G-52	10X35Z14		
G-54	10X25Z16		
G-56	10X25Z16		
G-63	10X25Z16		
G-65	10X25Z16		
G-79	10X25Z16		
G-80	10X25Z12		
G-81	10X70D12		
G-82	10X35Z12		
G-83	10X25Z14		
G-84	10X35Z14		
G-85	10X35Z12		
G-86	10X25Z12		
G-87	10X25Z16		
G-88	10X35Z12		
G-89	10X25Z16		
G-90	10X25Z12		
G-91	10X25Z14		
G-92	10X35Z14		
G-93	10X25Z12		
G-94	10X35Z12		
G-95	10X25Z12		
G-96	10X35Z14		
G-97	10X25Z12		
G-98	10X35Z12		

CONNECTION PLATES	FRAME LINE
1	FT3
2	JTC-1
4	JCP10
5	F4
6	HJCOB
7	JCAOB & JCPOB

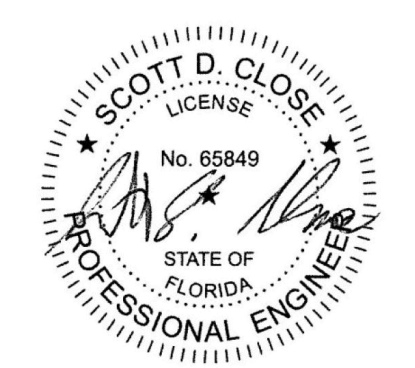


DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
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IRC HHW  
 INDIAN RIVER, FLORIDA  
 SIDEWALL FRAMING & SHEETING LINE 1  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	DATE
A	5.07.21
B	7.6.21

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E4



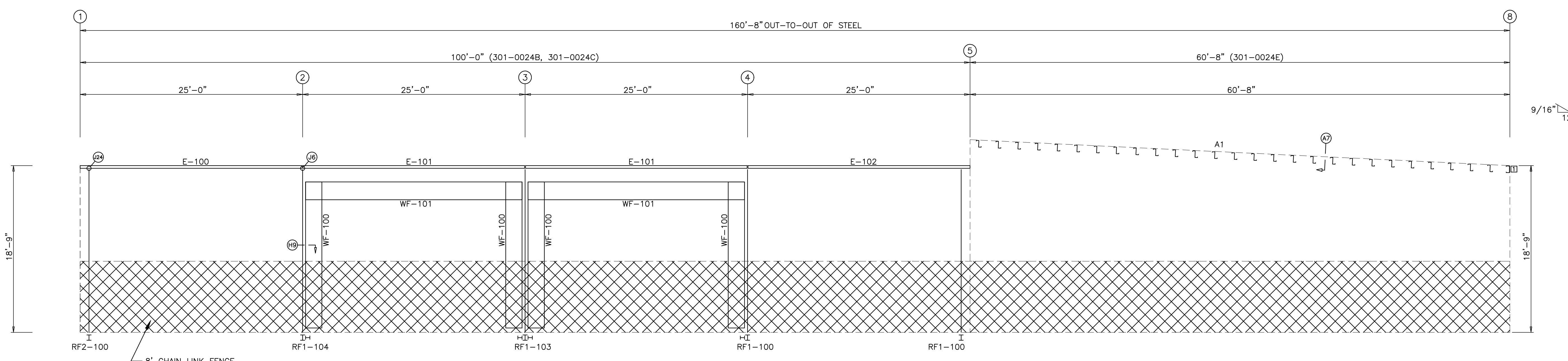
SCOTT D. CLOSE, P.E.  
 FL. LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

BOLT TABLE				
FRAME LINE B				
LOCATION	QUAN	TYPE	DIA	LENGTH
301-0024B				
WF-100	10	A325	3/4"	2"
WF-100	12	A325	5/8"	1 3/4"
WF-100	12	A325	5/8"	1 3/4"
WF-100	12	A325	5/8"	1 3/4"

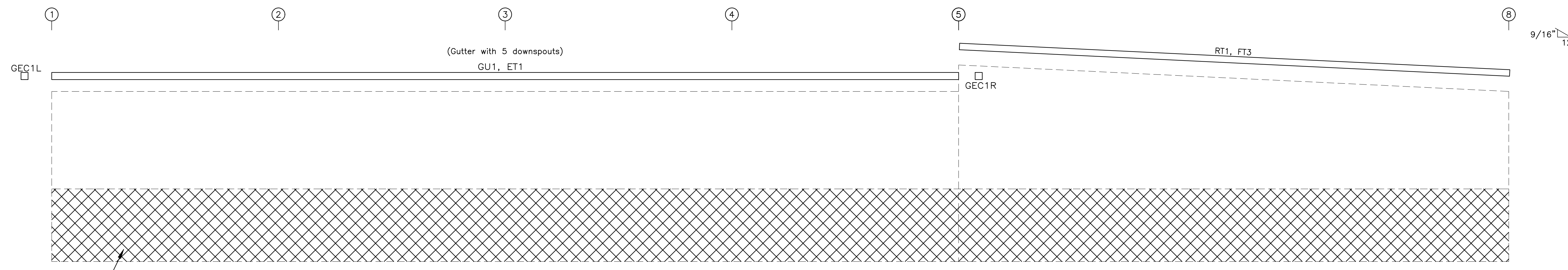
TRIM TABLE		
FRAME LINE B		
GRID MARK	LENGTH	DETAIL
RT1	20'-3"	T82
FT3	20'-3"	T82
GU1	20'-3"	T70
ET1	20'-3"	T70

MEMBER TABLE		
FRAME LINE B		
MARK	PART	LENGTH
301-0024B		
WF-100	B2280837	
WF-101	B2480837	
E-100	10ES12	
E-101	10ES14	
E-102	10ES12	

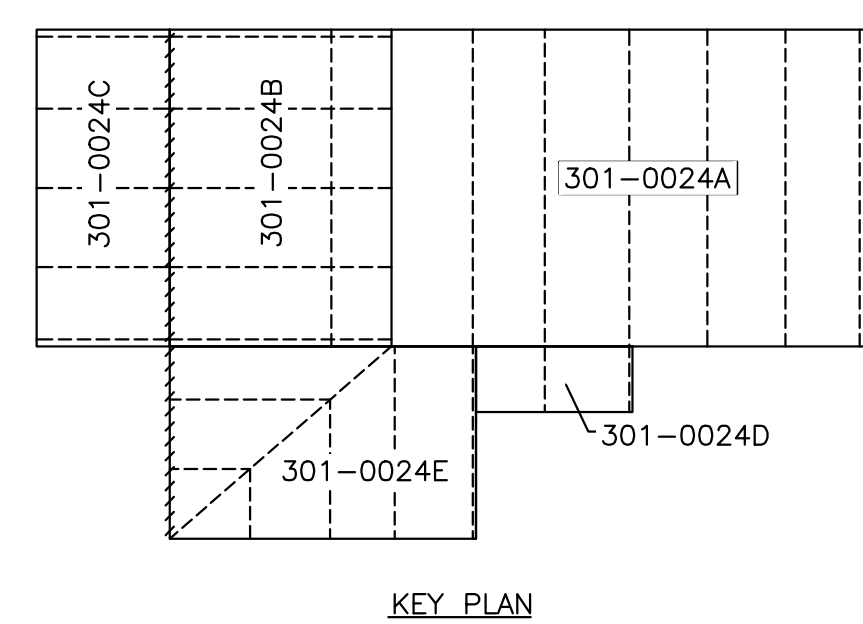
CONNECTION PLATES	
FRAME LINE B	
GRID MARK/PART	LENGTH
1 s400	



WALL FRAMING: FRAME LINE B



WALL SHEETING & TRIM: FRAME LINE B



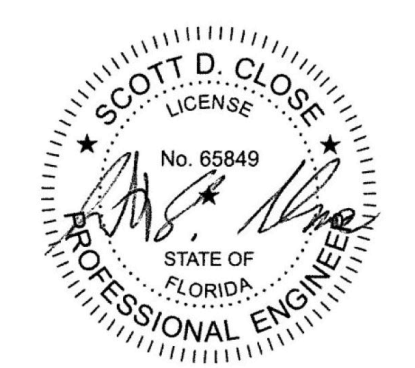
KEY PLAN

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Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E.# 65849  
FABRICATION AND ERECTION  
DRAWINGS WERE PREPARED UNDER  
THE RESPONSIBLE SUPERVISION  
OF THE SPECIALTY ENGINEER  
SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
**SIDEWALL FRAMING & SHEETING LINE B**  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB



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FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

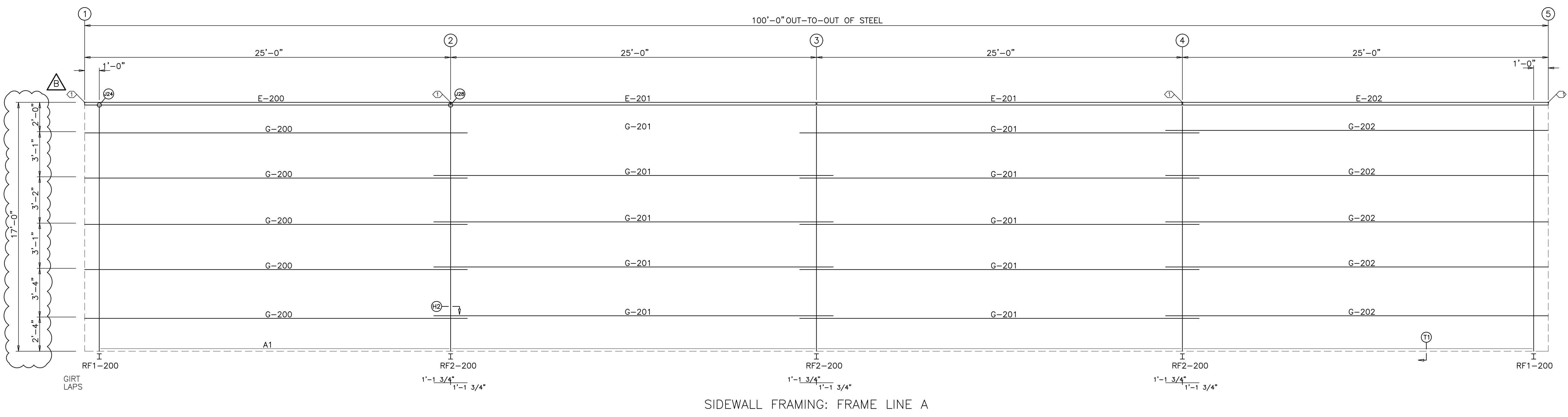
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E5



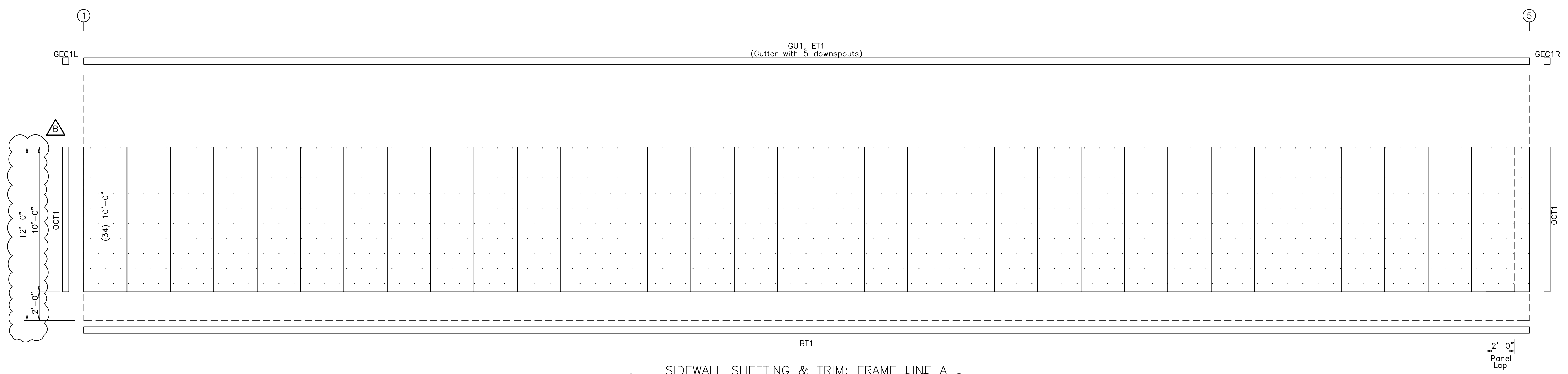
TRIM TABLE		
FRAME MARK	LENGTH	DETAIL
GU1	20'-3"	T70
ET1	20'-3"	T70
OCT1	20'-3"	T53

SPECIAL BOLTS				
Q ID	QUAN	TYPE	DIA	LENGTH
1	4	A307	1/2"	1 1/4"

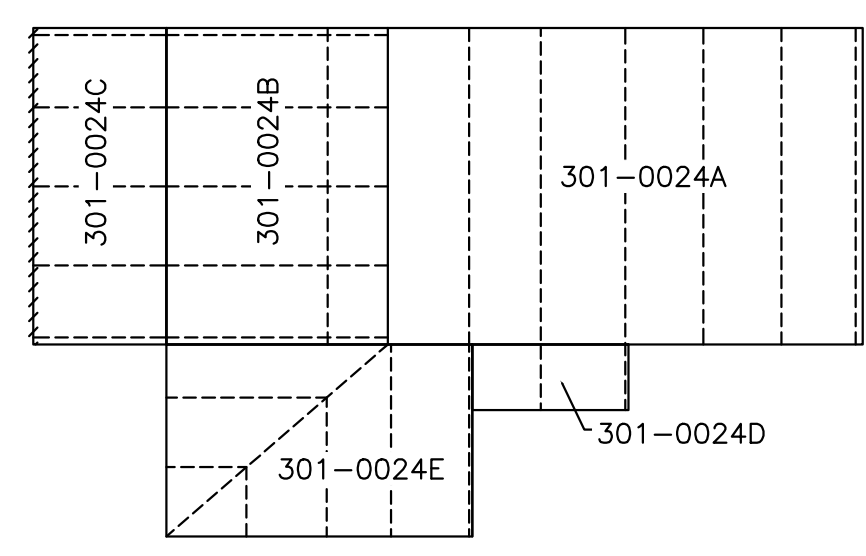
MEMBER TABLE		
FRAME MARK	PART	LENGTH
E-200	10ES14	
E-201	10ES14	
E-202	10ES14	
G-200	8X25Z12	
G-201	8X25Z12	
G-202	8X25Z12	



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A  
 PANELS: T.B.S. STANDARD 3'-0" x 10'-0" TRANSLUCENT WALL PANELS



KEY PLAN

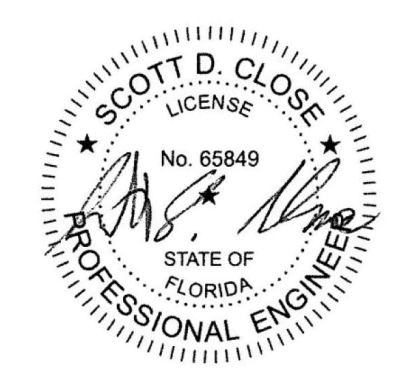
2812 Tallevast Road - Sarasota, Florida 34243  
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 SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
 SIDEWALL FRAMING & SHEETING LINE A  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21

DRAWING DATE  
**5.07.21**  
 DRAWN BY  
**HDM**  
 CHECKED BY  
**SVW**  
 DRAWING SCALE  
**N.T.S.**  
 JOB NO.  
**21-020-04**  
 SHEET  
**E6**

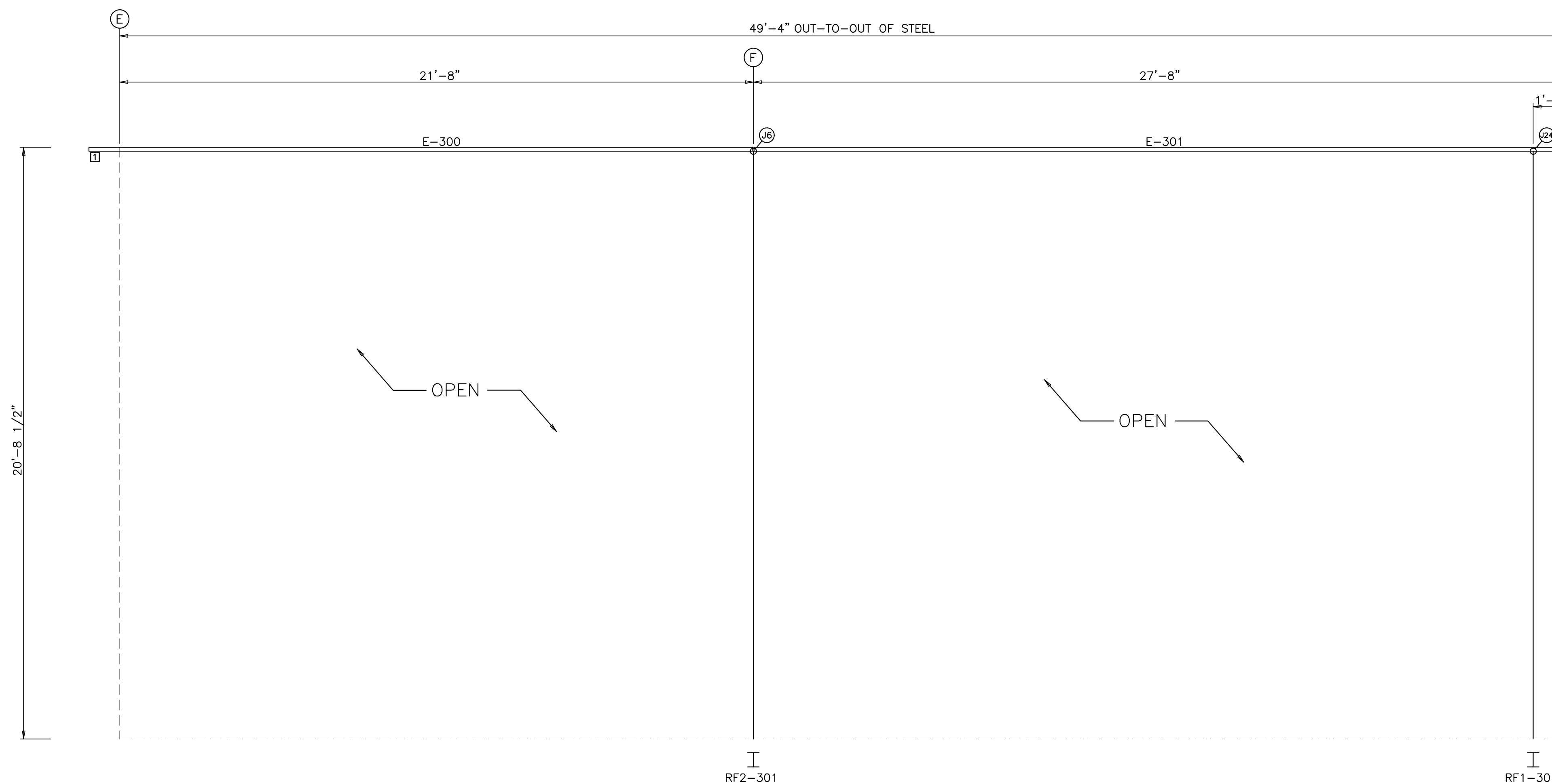


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 FL LICENSE NO. 65849  
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 SARASOTA, FL 34243

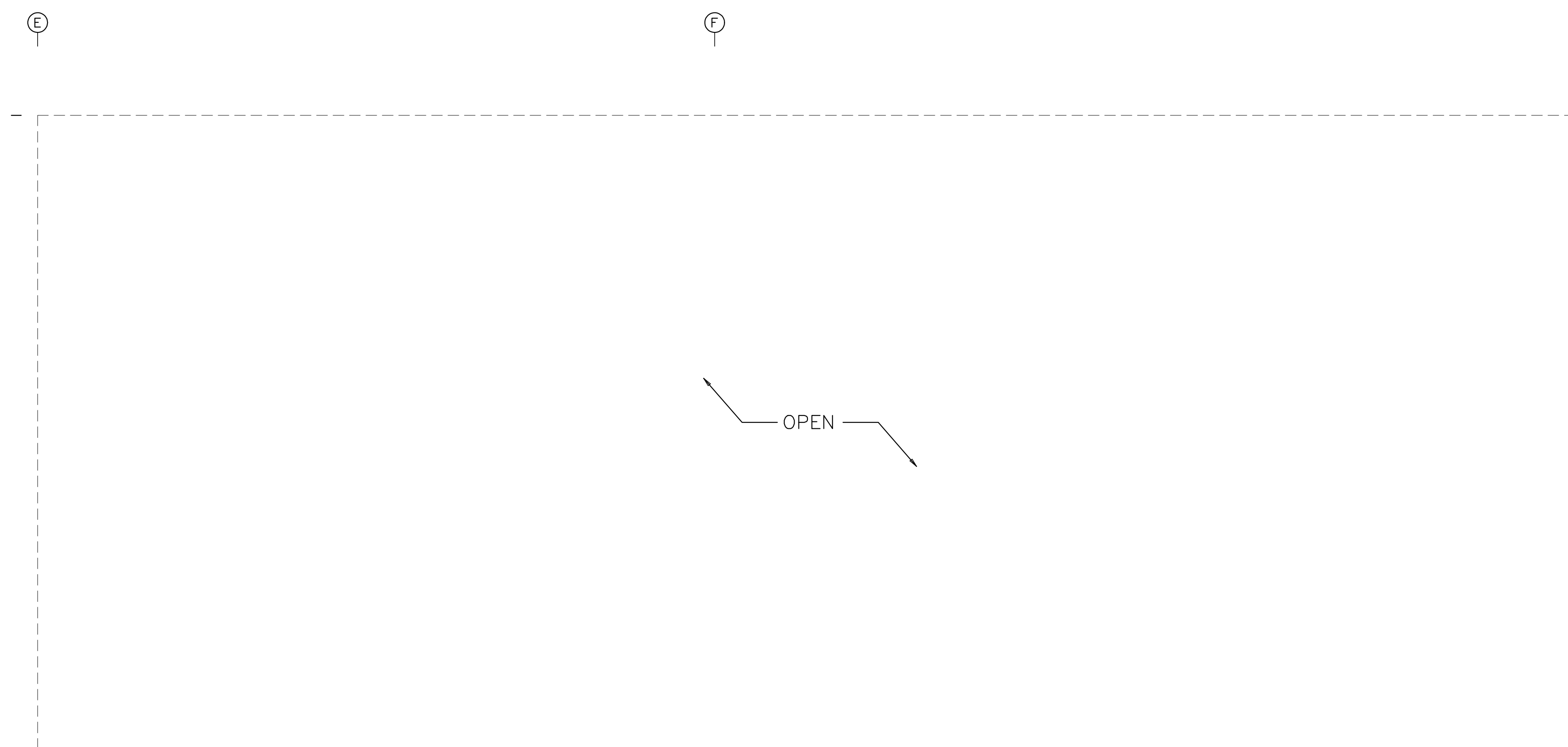
TRIM TABLE		
FRAME LINE	6.5	
GRID MARK	LENGTH	DETAIL
GU1	20'-3"	T70
ET1	20'-3"	T70
OCT1	20'-3"	T53

MEMBER TABLE		
FRAME LINE	6.5	
MARK	PART	LENGTH
E-300	10ES14	
E-301	10ES12	

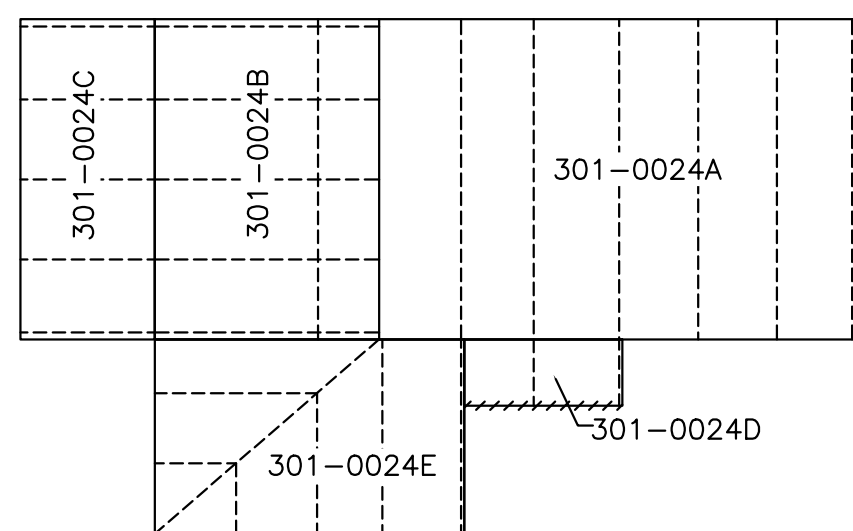
CONNECTION PLATES		
FRAME LINE	6.5	
GRID MARK / PART		
1	s300	



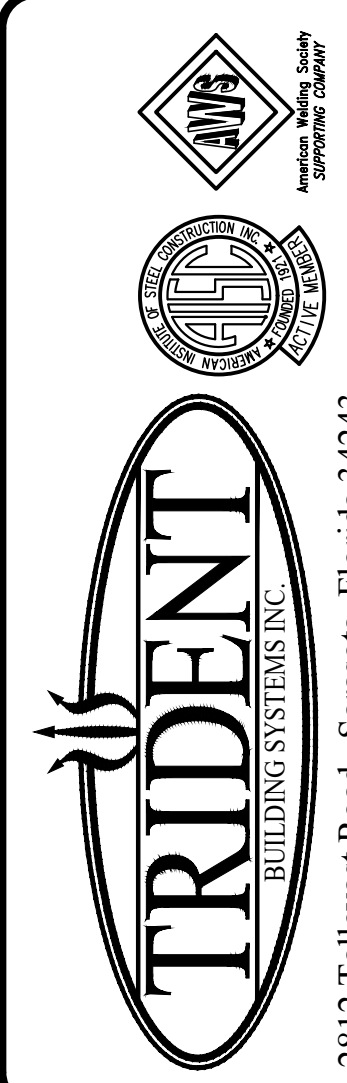
SIDEWALL FRAMING: FRAME LINE 6



SIDEWALL SHEETING & TRIM: FRAME LINE 6



KEY PLAN

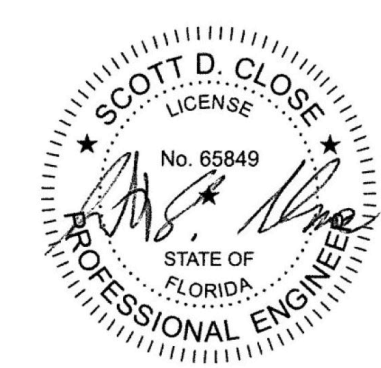


DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
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 DRAWINGS WERE PREPARED UNDER  
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 SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
 SIDEWALL FRAMING & SHEETING LINE 6  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	
A	FOR APPROVAL 5.07.21 HDM
B	SIGNED & SEALED FOR PERMIT 7.6.21 TDB

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E7



SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

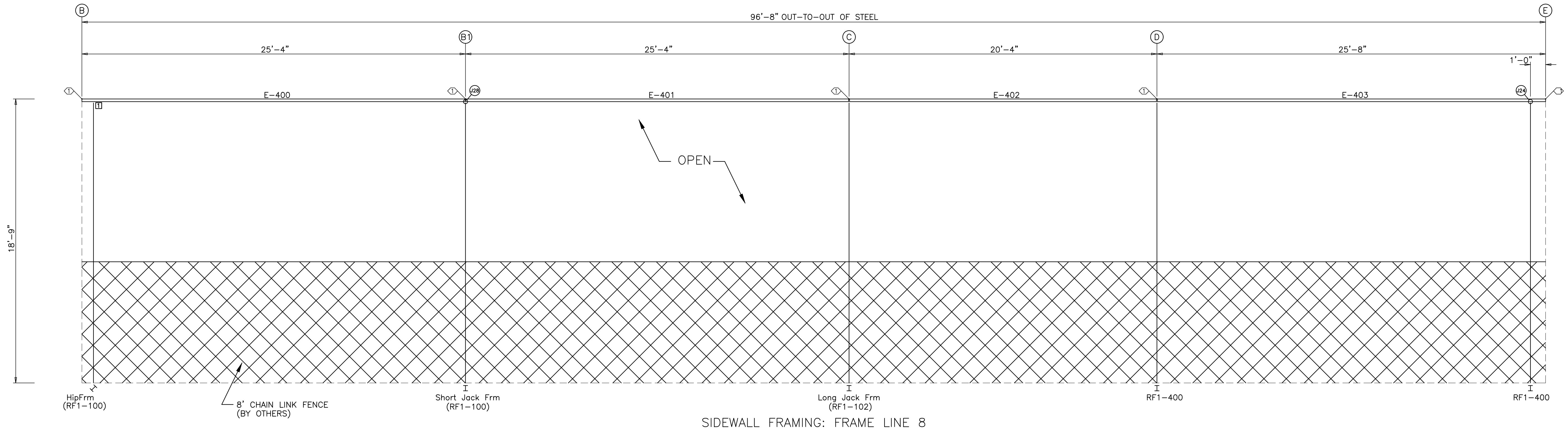
TRIM TABLE				
FRAME LINE 8				
OID	MARK	LENGTH	DETAIL	
GU1		20'-3"	T80	
ET1		20'-3"	T80	

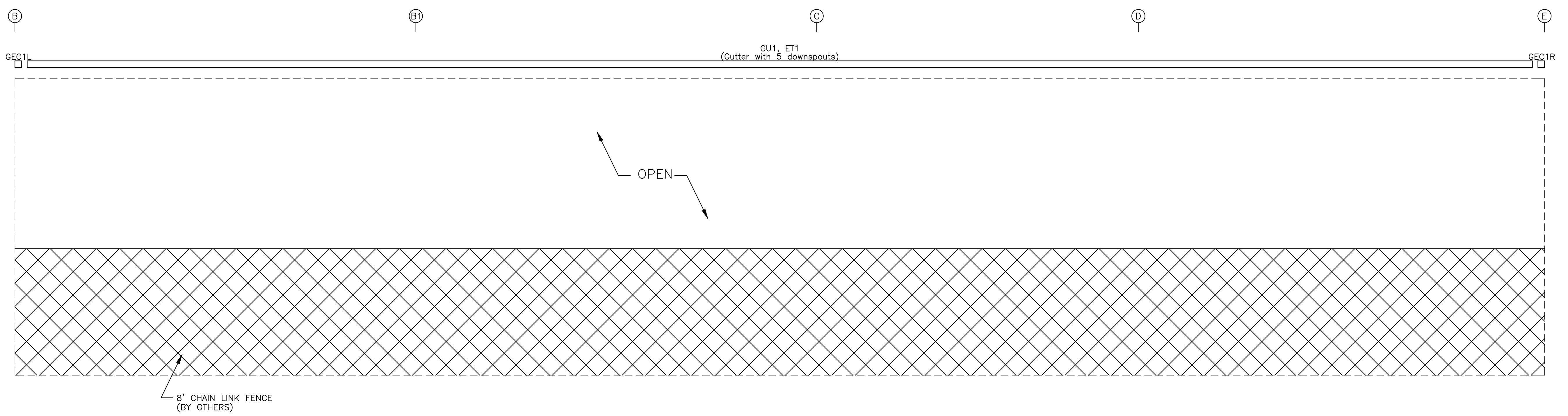
SPECIAL BOLTS					
OID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A325	1/2"	1 1/4"	0

MEMBER TABLE		
FRAME LINE 8		
MARK	PART	LENGTH
E-400	10ES12	
E-401	10ES12	
E-402	10ES12	
E-403	10ES12	

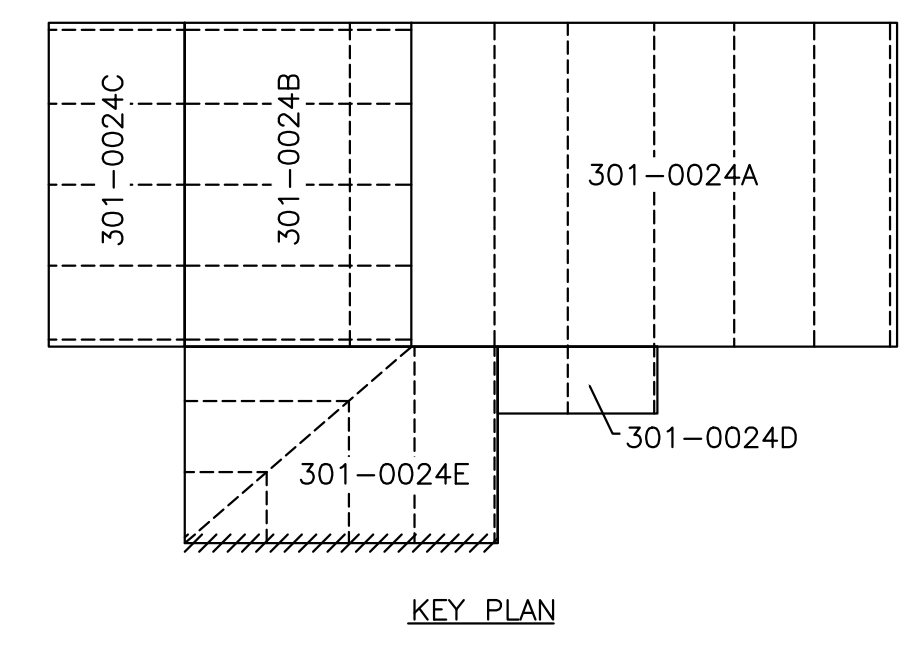
CONNECTION PLATES	
FRAME LINE 8	
OID	MARK/PART
1	s400



SIDEWALL FRAMING: FRAME LINE 8



SIDEWALL SHEETING & TRIM: FRAME LINE 8



KEY PLAN

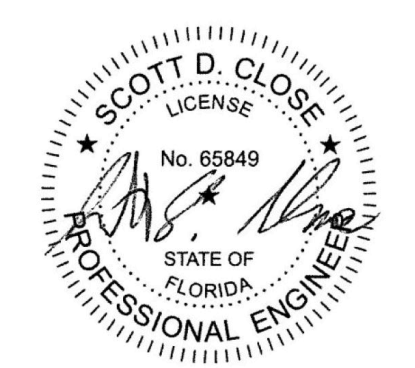
TRIDENT BUILDING SYSTEMS INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
FLORIDA P.E.# 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

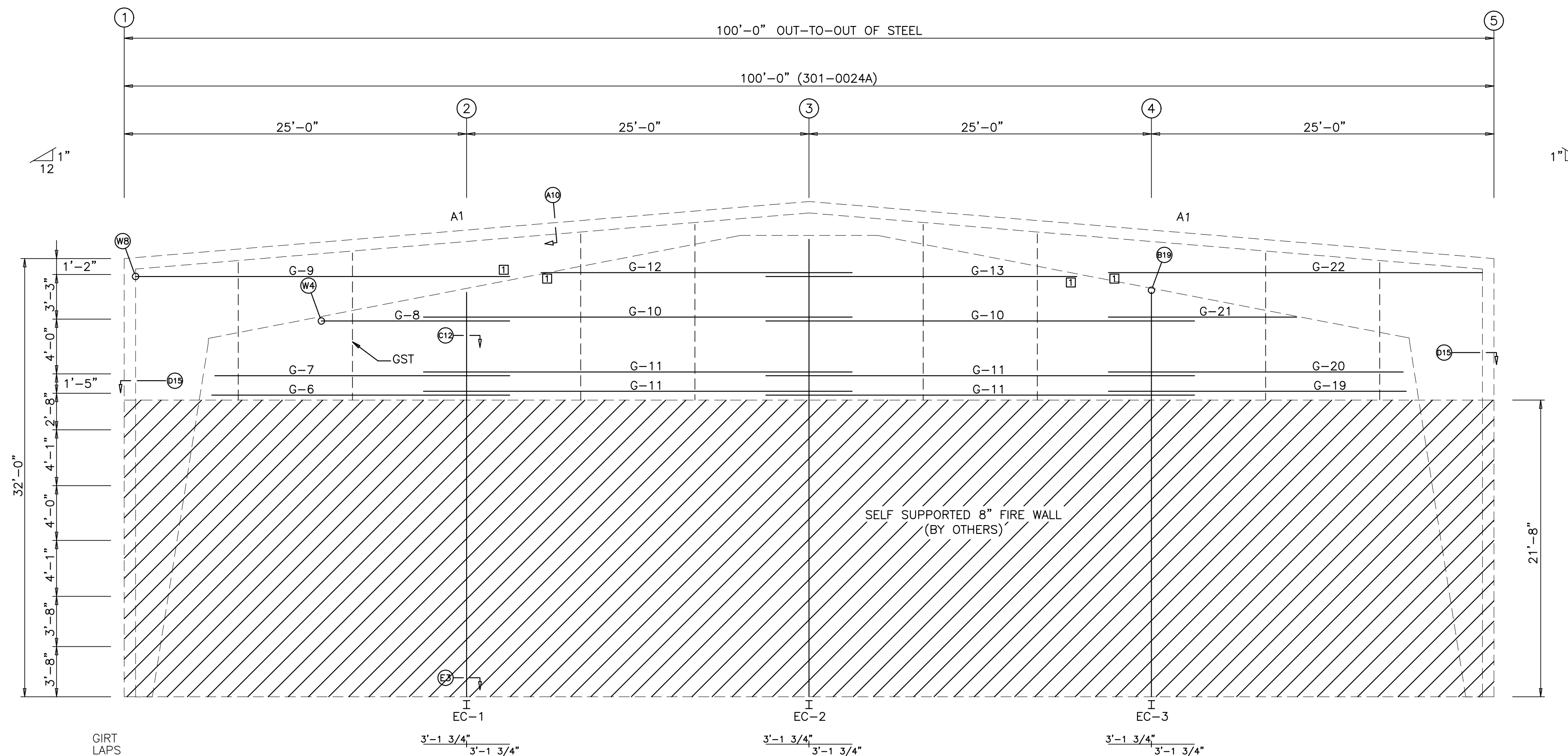
IRC HHW  
INDIAN RIVER, FLORIDA  
SIDEWALL FRAMING & SHEETING LINE 8  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21

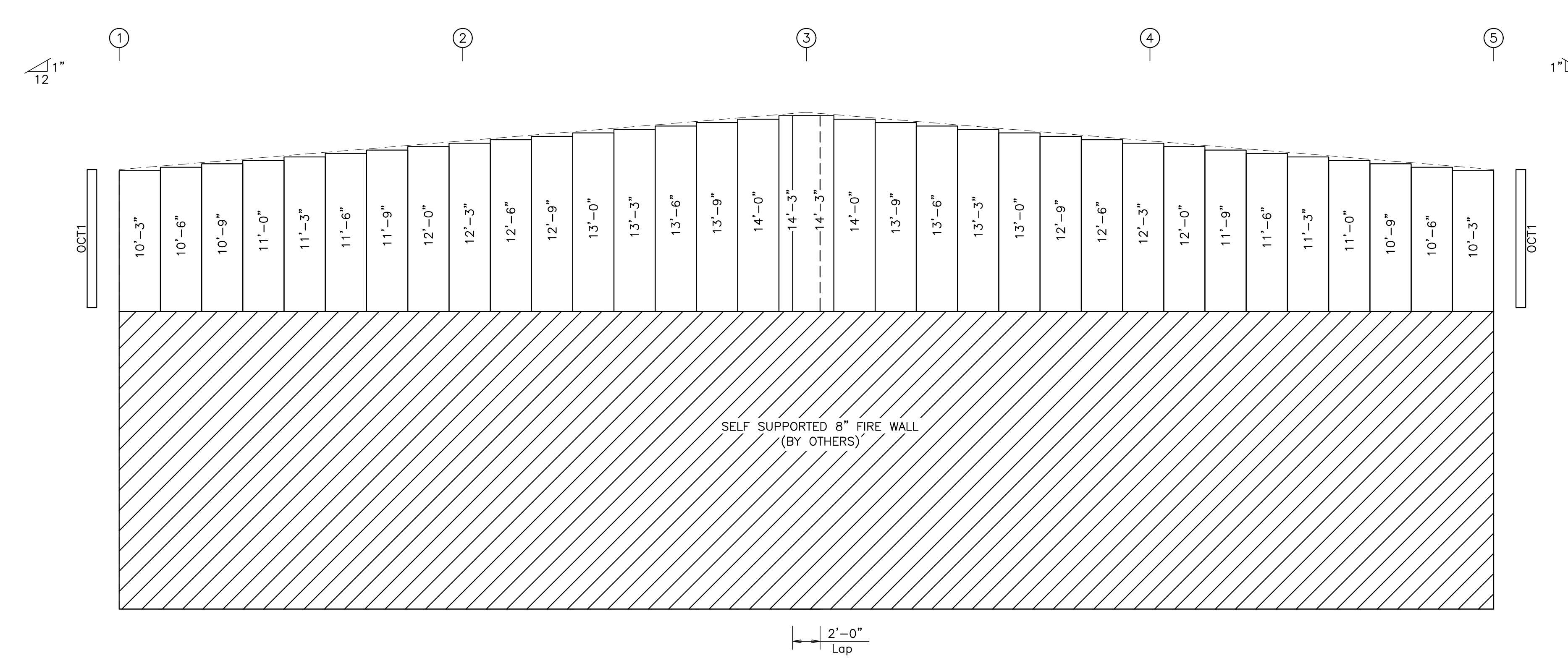
DRAWING DATE: 5.07.21  
DRAWN BY: HDM  
CHECKED BY: SVW  
DRAWING SCALE: N.T.S.  
JOB NO.: 21-020-04  
SHEET: E8



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243



ENDWALL FRAMING: FRAME LINE D



ENDWALL SHEETING & TRIM: FRAME LINE D  
PANELS: 26 Ga. TBS PBR Wall Panel

BOLT TABLE				
FRAME LINE E				
LOCATION	QUAN	TYPE	DIA	LENGTH
EC-1 / FRAME	4	A325	5/8"	1 1/4"
EC-2 / FRAME	4	A325	3/4"	1 3/4"
EC-3 / FRAME	4	A325	5/8"	1 1/4"

TRIM TABLE			
FRAME LINE E			
QID	MARK	LENGTH	DETAIL
OCT1		20'-3"	T5.3
OCT1		SCRAP	T5.3

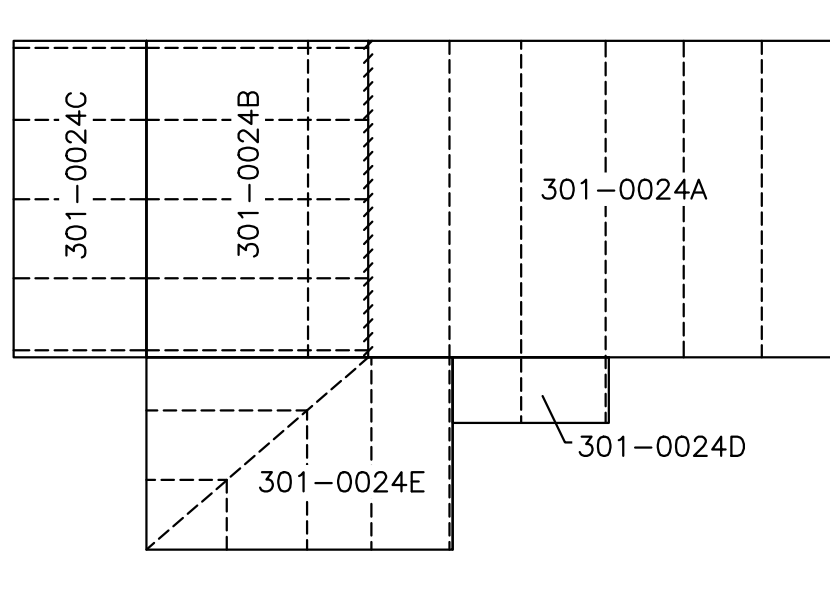
ANGLE & STRAPPING TABLE			
FRAME LINE E			
ID	MARK	LENGTH	DETAIL
0	GST	20'-0"	AN1

MEMBER TABLE		
FRAME LINE E		
MARK	PART	LENGTH
EC-1	W18X35	
EC-2	W18X40	
EC-3	W18X35	
C-6	10X25Z16	
C-7	10X25Z16	
C-8	10X25Z16	
C-9	10X35Z14	
C-10	10X25Z14	
C-11	10X25Z16	
C-12	10X35Z14	
C-13	10X35Z14	
C-19	10X25Z16	
C-20	10X25Z16	
C-21	10X25Z16	
C-22	10X35Z14	

CONNECTION PLATES		
FRAME LINE E		
OID	MARK/PART	
1	G1	



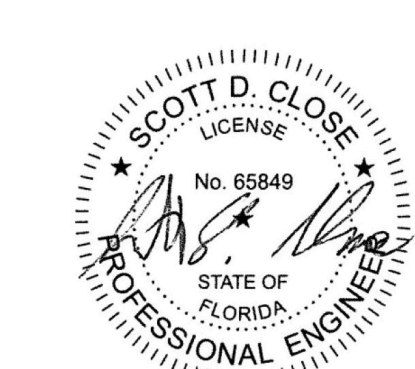
KEY PLAN

**TRIDENT**  
BUILDING SYSTEMS, INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
FLORIDA P.E.# **65849**  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
ENDWALL FRAMING & SHEETING LINE D  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
FOR APPROVAL	5/07.21	HDM
SIGNED & SEALED FOR PERMIT	7.6.21	TDB



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

DRAWING DATE  
**5.07.21**

DRAWN BY  
**HDM**

CHECKED BY  
**SVW**

DRAWING SCALE  
**N.T.S.**

JOB NO.  
**21-020-04**

SHEET  
**EQ**

FLANGE BRACE TABLE				
V ID	# SIDES	MARK	PART	BRACE DISTANCE
1	1	FB34	L2X2X1/8	2'-10"

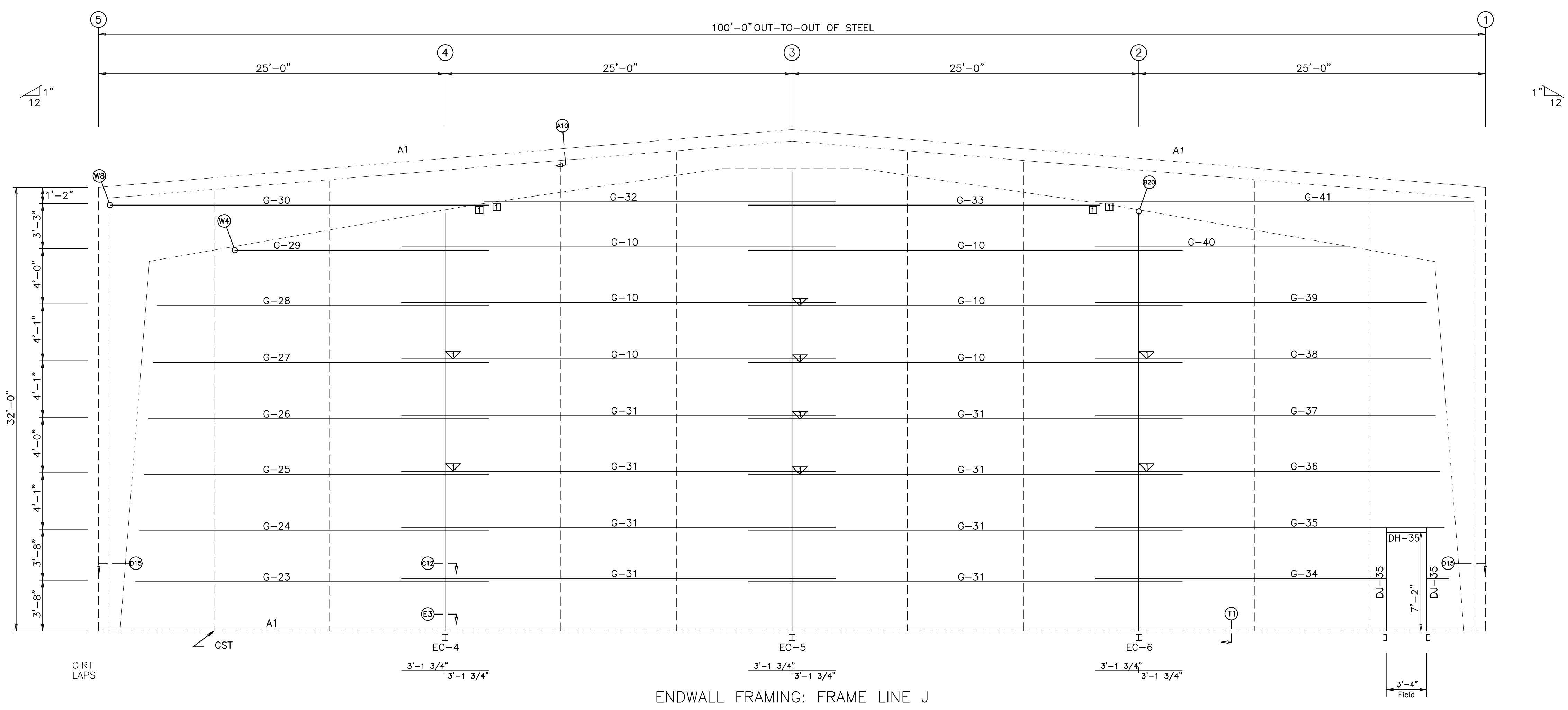
BOLT TABLE				
FRAME LINE J				
LOCATION	COLUMNS/Raft	QUAN	TYPE	DIA
		4	A325	5/8"
				1 1/4"

TRIM TABLE			
FRAME LINE J			
OID MARK	LENGTH	DETAIL	
RT1	20'-3"	T72	
OCT1	20'-3"	T53	
JT1	20'-3"	T60	
HT1	20'-3"	T65	

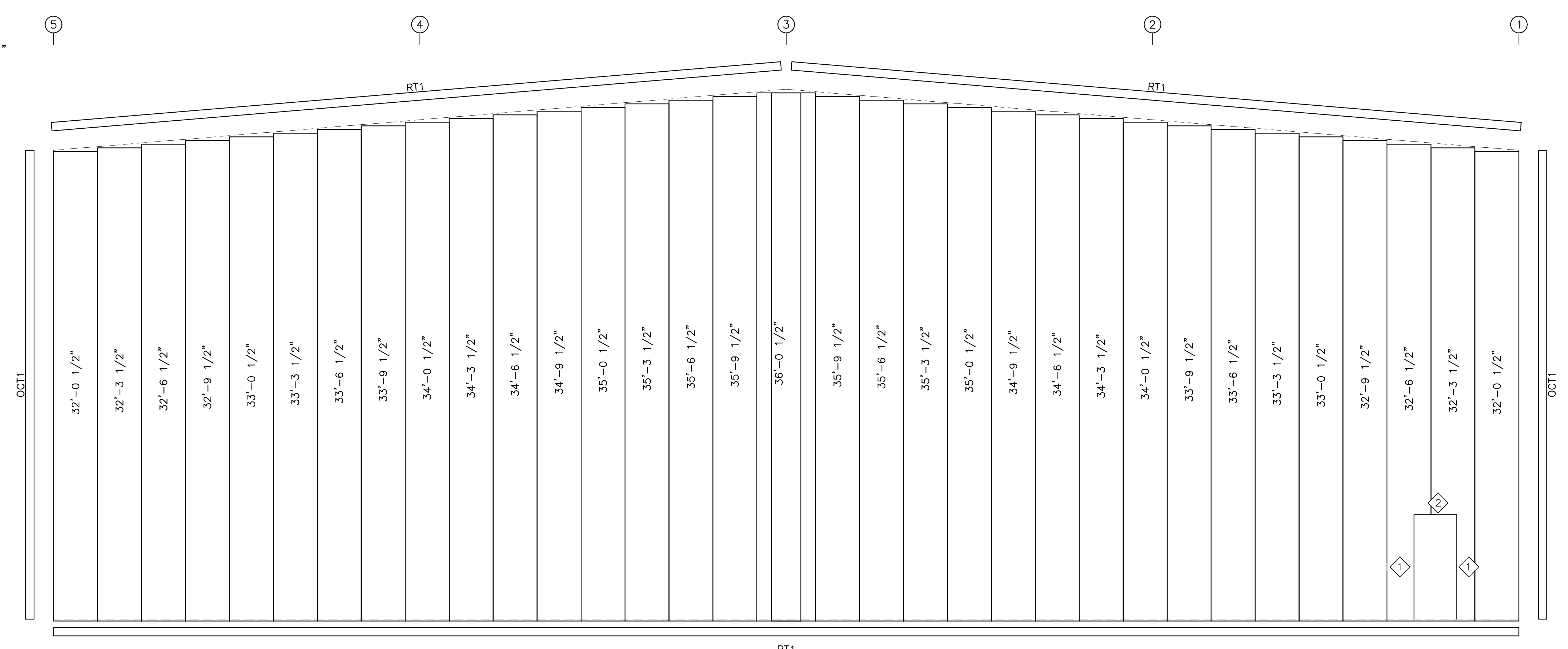
ANGLE & STRAPPING TABLE			
FRAME LINE J			
ID	MARK	LENGTH	DETAIL
0	GST	20'-0"	AN1

MEMBER TABLE		
FRAME LINE J		
MARK	PART	LENGTH
EC-4	W18X35	
EC-5	W18X35	
EC-6	W18X35	
C-10	10X25Z14	
C-23	10X35Z14	
C-24	10X35Z14	
C-25	10X35Z14	
C-26	10X35Z14	
C-27	10X25Z14	
C-28	10X25Z14	
C-29	10X25Z14	
C-30	10X25Z12	
C-31	10X35Z14	
C-32	10X25Z12	
C-33	10X25Z12	
C-34	10X35Z14	
C-35	10X35Z14	
C-36	10X35Z14	
C-37	10X35Z14	
C-38	10X25Z14	
C-39	10X25Z14	
C-40	10X25Z14	
C-41	10X25Z12	

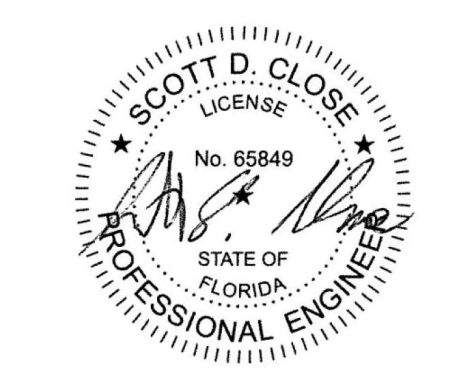
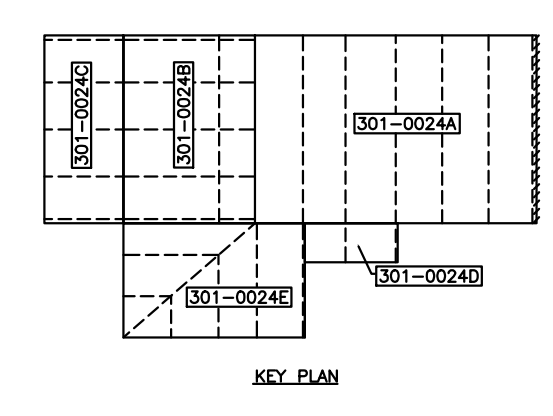
CONNECTION PLATES	
FRAME LINE J	
ID	MARK/PART
1	d1



ENDWALL FRAMING: FRAME LINE J



ENDWALL SHEETING & TRIM: FRAME LINE J  
PANELS: 26 Ga. TBS PBR Wall Panel



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E. # 65849  
FABRICATION AND ERECTION  
DRAWINGS WERE PREPARED UNDER  
THE RESPONSIBLE SUPERVISION  
OF THE SPECIALTY ENGINEER  
SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
ENDWALL FRAMING & SHEETING LINE J  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E10

TRIM TABLE		
FRAME LINE	G	
QID MARK	LENGTH	DETAIL
RT1	20'-3"	T82
FT3	20'-3"	T82

**TRIDENT**  
BUILDING SYSTEMS, INC.

2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

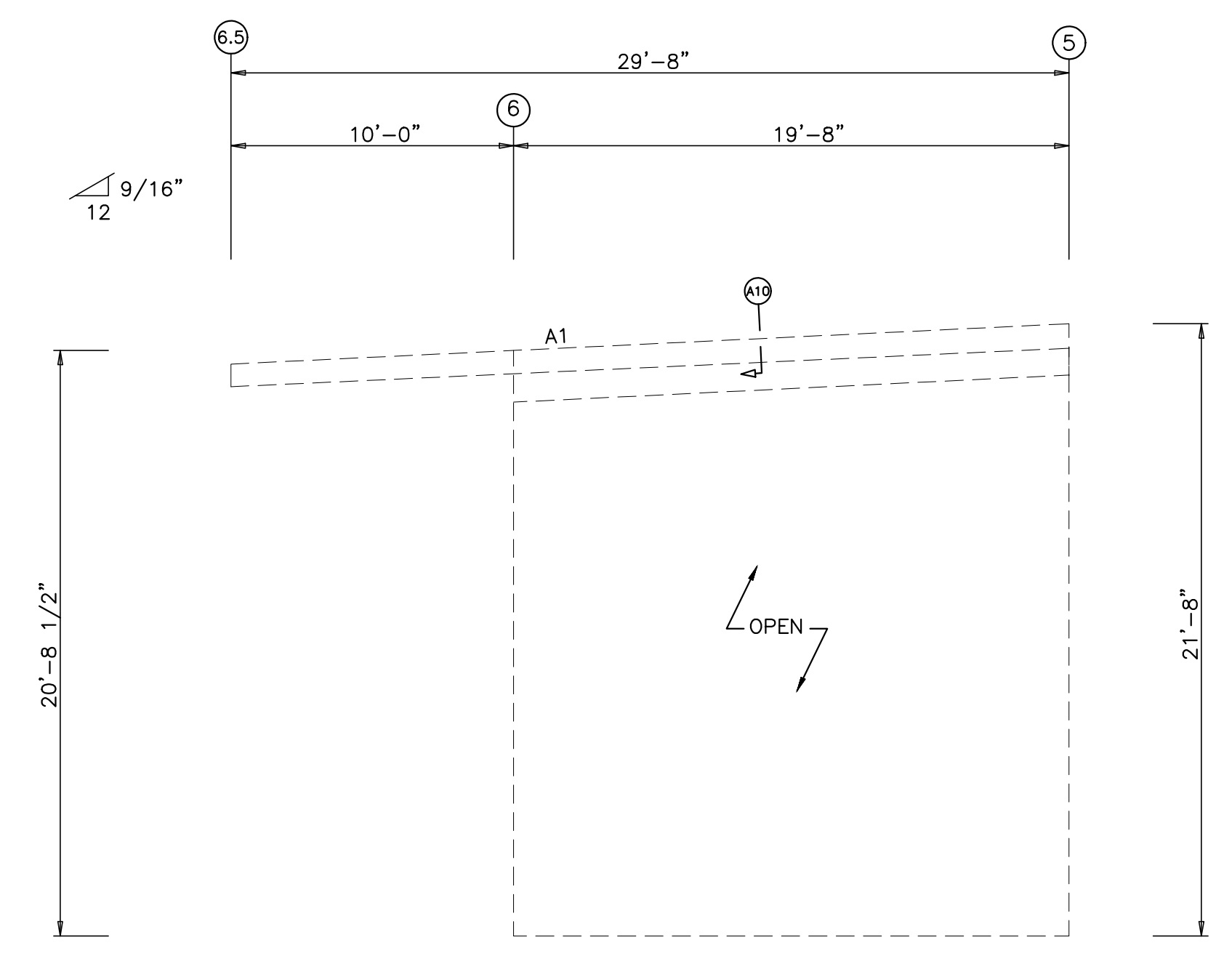
DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
FLORIDA P.E.# 65849

FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

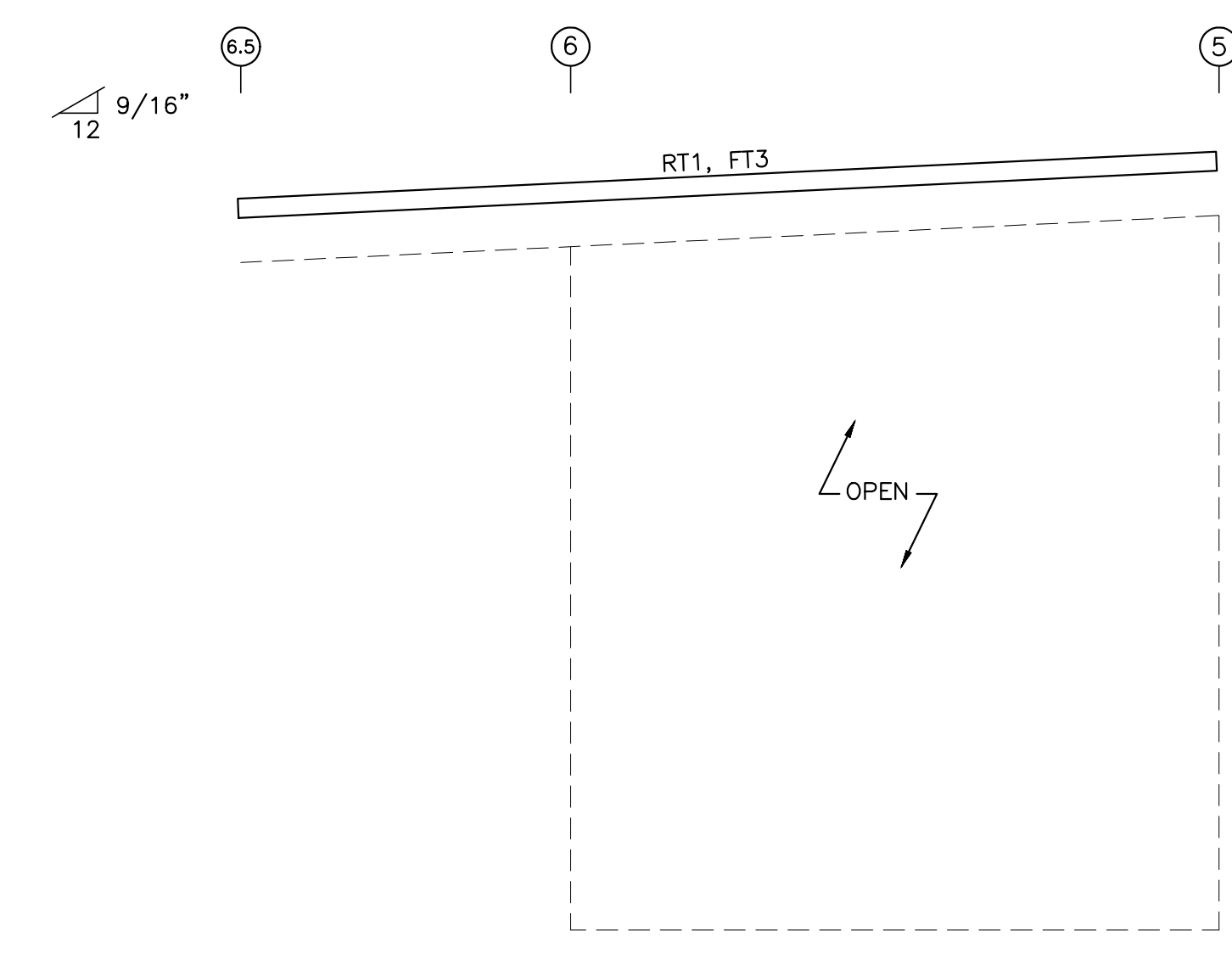
IRC HHW  
INDIAN RIVER, FLORIDA  
ENDWALL FRAMING & SHEETING LINE G  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

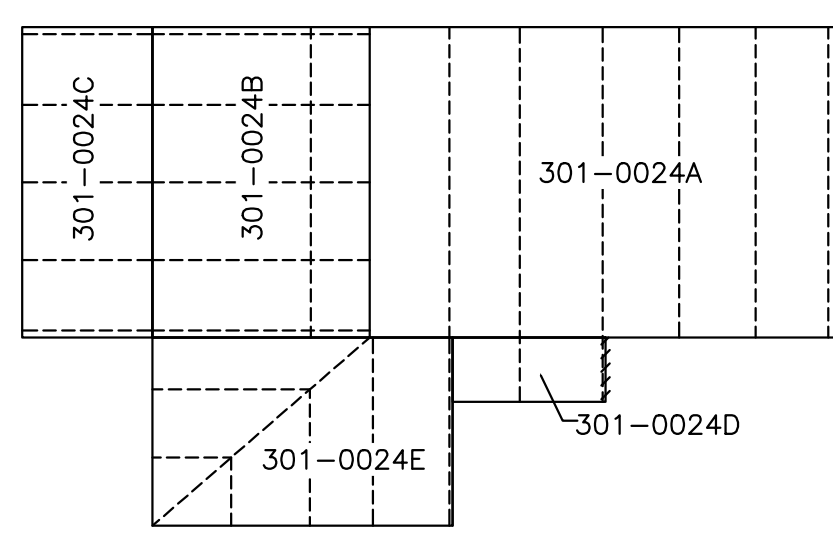
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E11



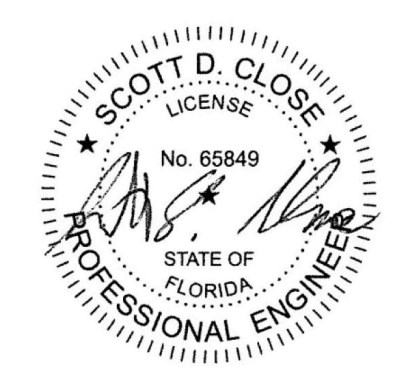
ENDWALL FRAMING: FRAME LINE G



ENDWALL SHEETING & TRIM: FRAME LINE G



KEY PLAN



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

TRIM TABLE	E	
FRAME LINE	E	
GRID MARK	LENGTH	DETAIL
RT1	20'-3"	T82
FT3	20'-3"	T82

CONNECTION PLATES	
FRAME LINE E	
GRID MARK / PART	1 s300

**TRIDENT**  
BUILDING SYSTEMS INC.

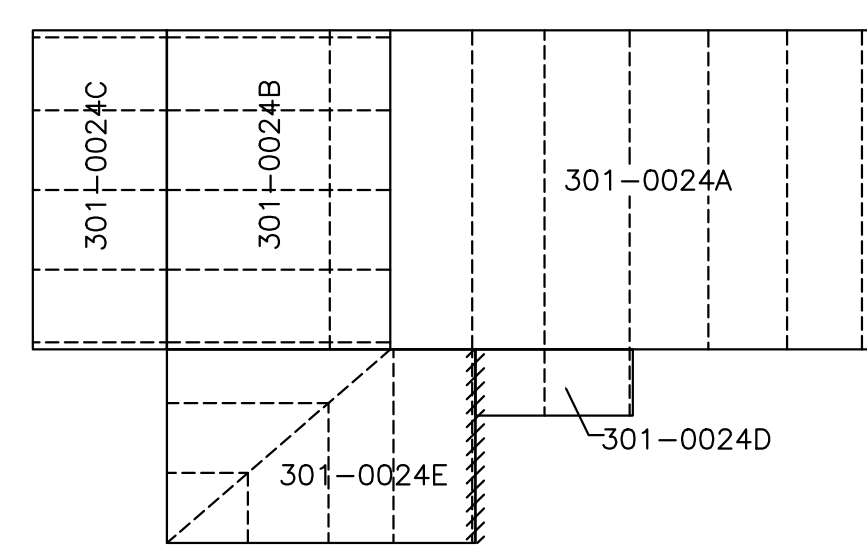
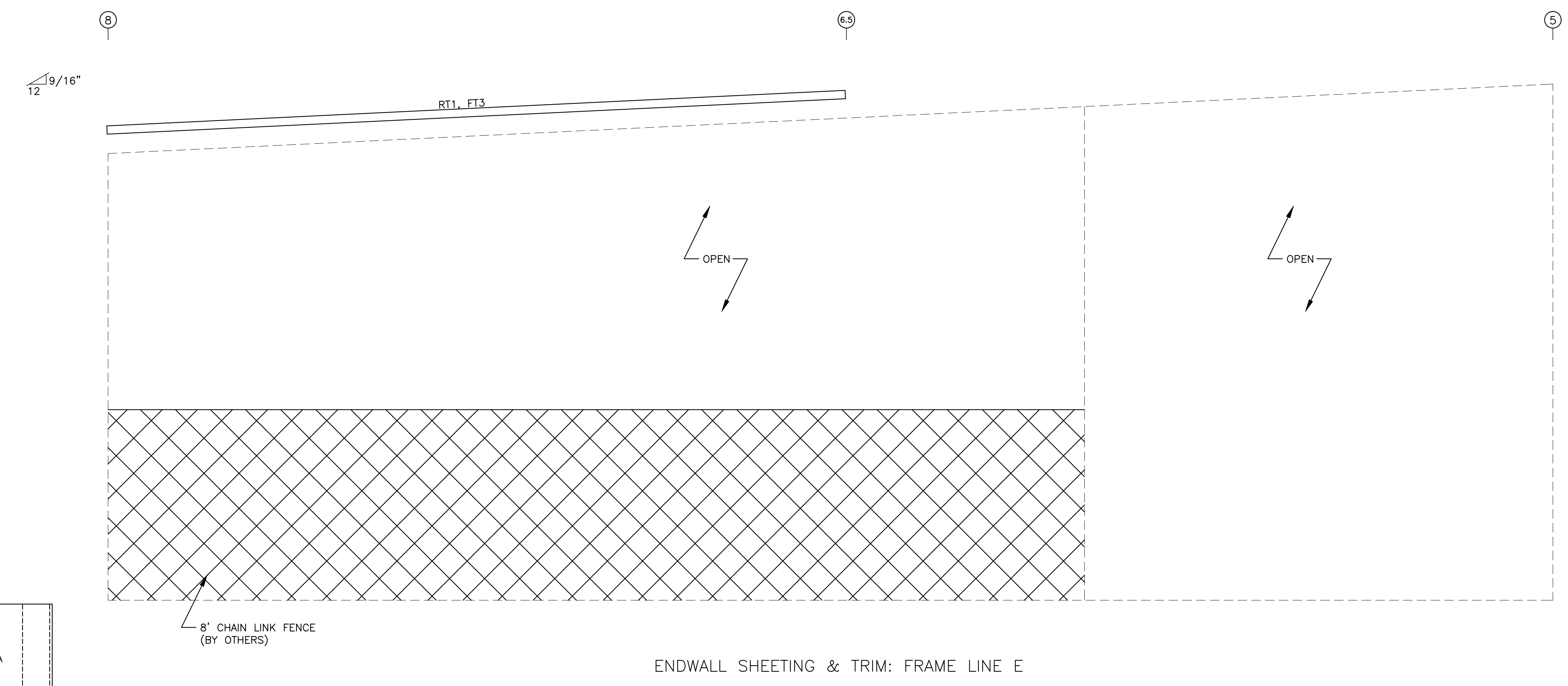
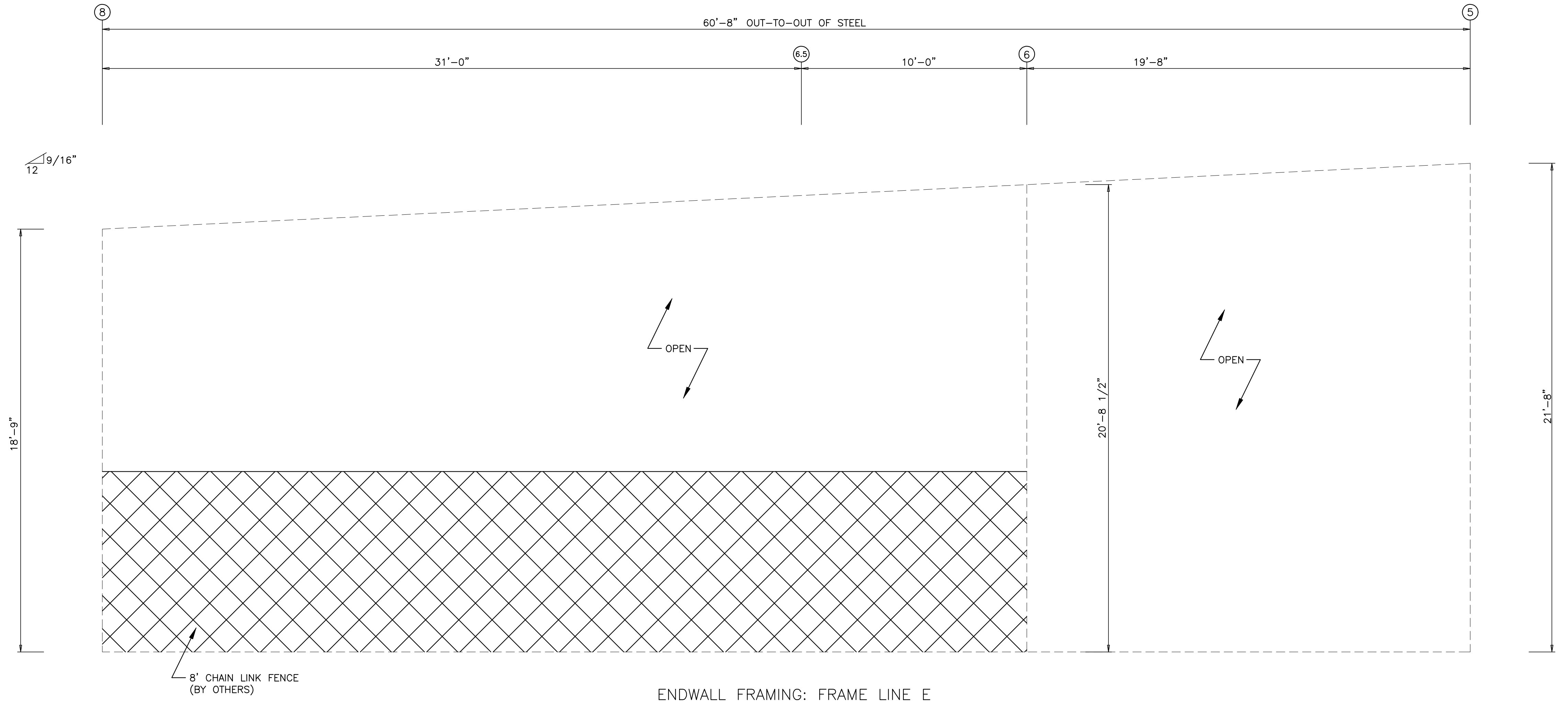
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
FLORIDA P.E.# **65849**  
FABRICATION AND ERECTION  
DRAWINGS WERE PREPARED UNDER  
THE RESPONSIBLE SUPERVISION  
OF THE SPECIALTY ENGINEER  
SHOWN ABOVE.

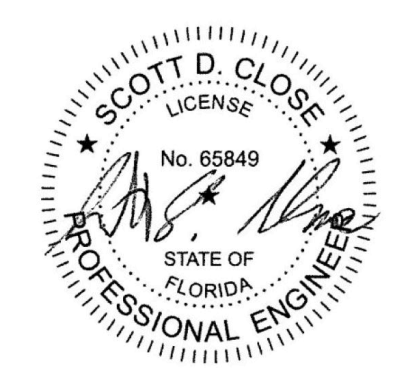
IRC HHW  
INDIAN RIVER, FLORIDA  
ENDWALL FRAMING & SHEETING LINE E  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
FOR APPROVAL	5.07.21	HDM
SIGNED & SEALED FOR PERMIT	7.6.21	TDB

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E12

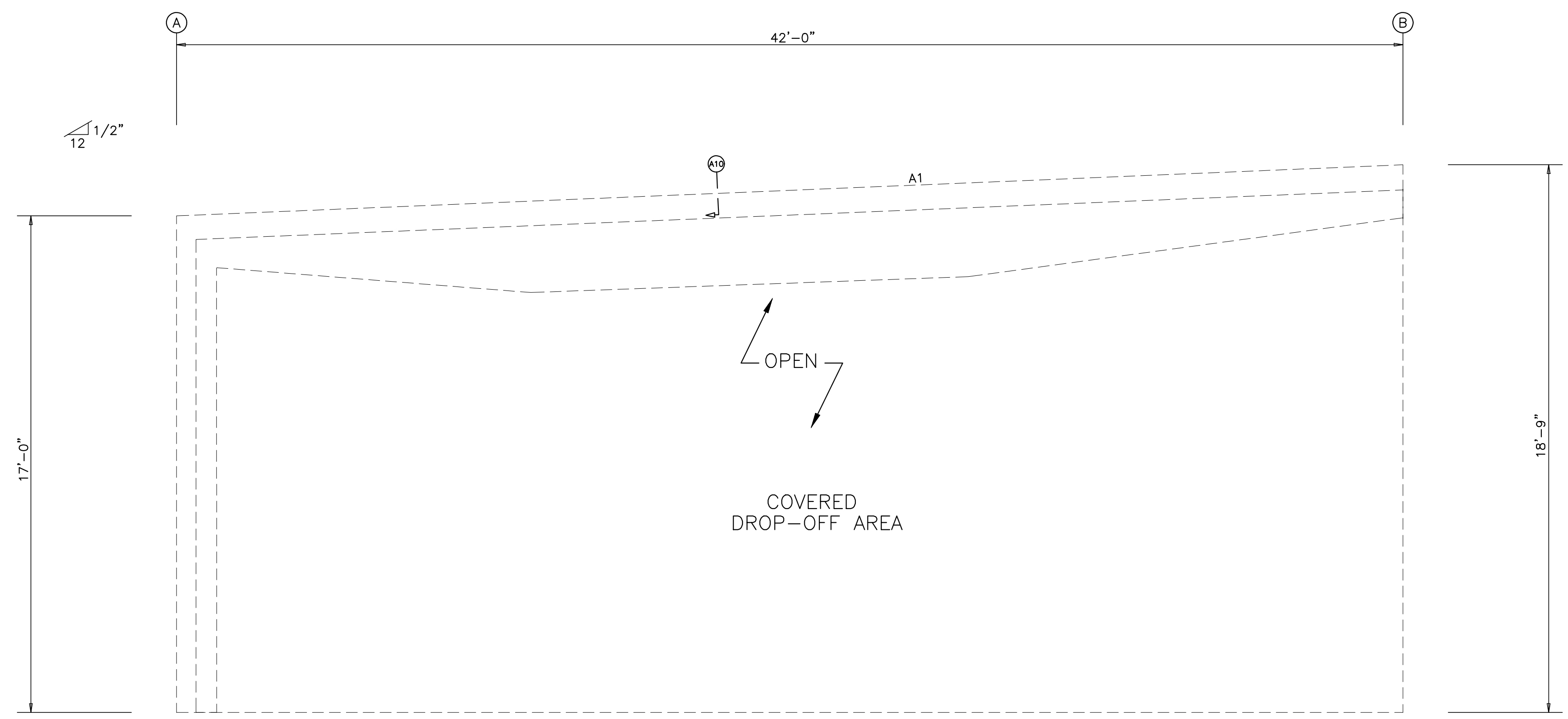


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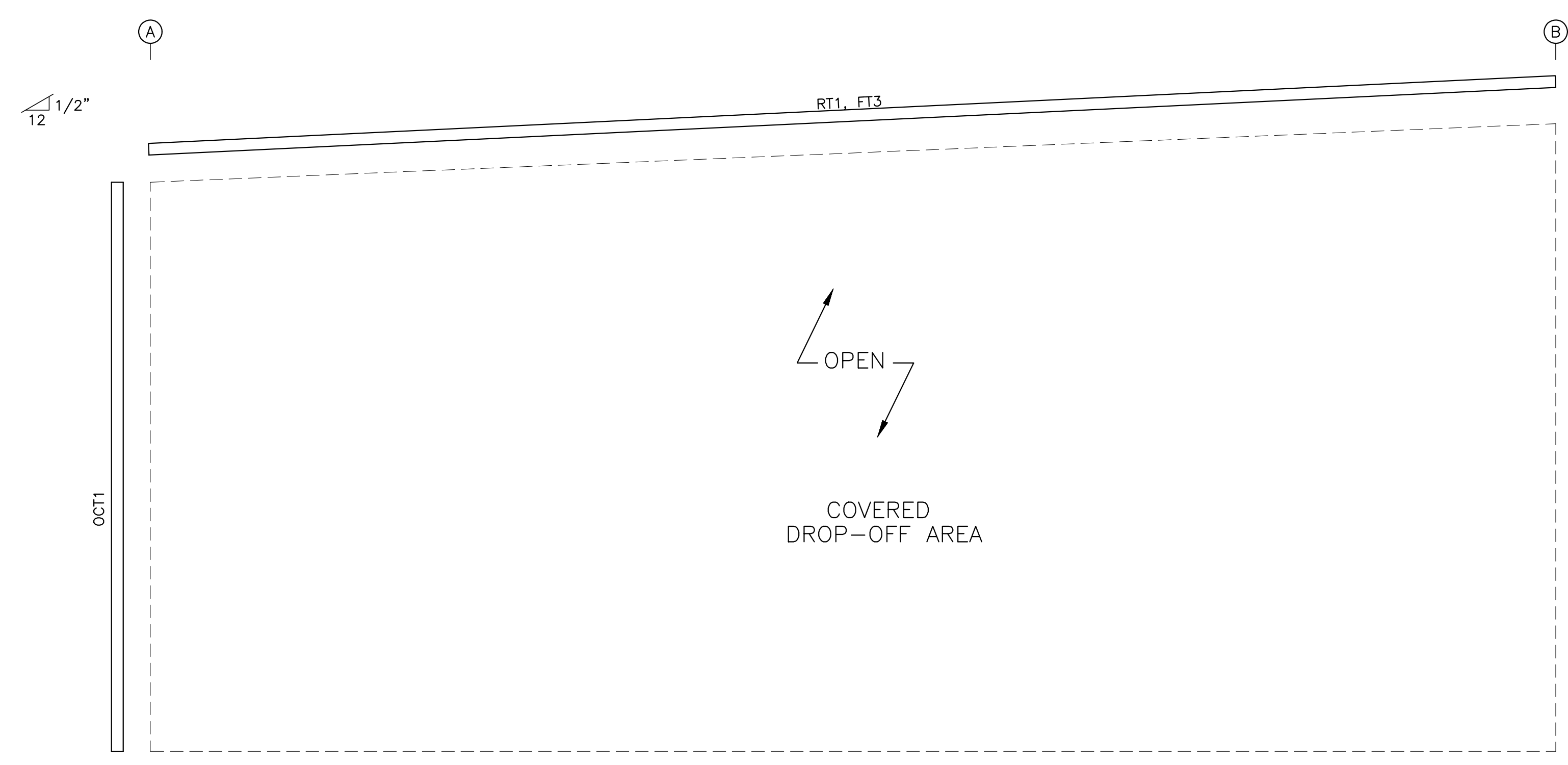


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FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

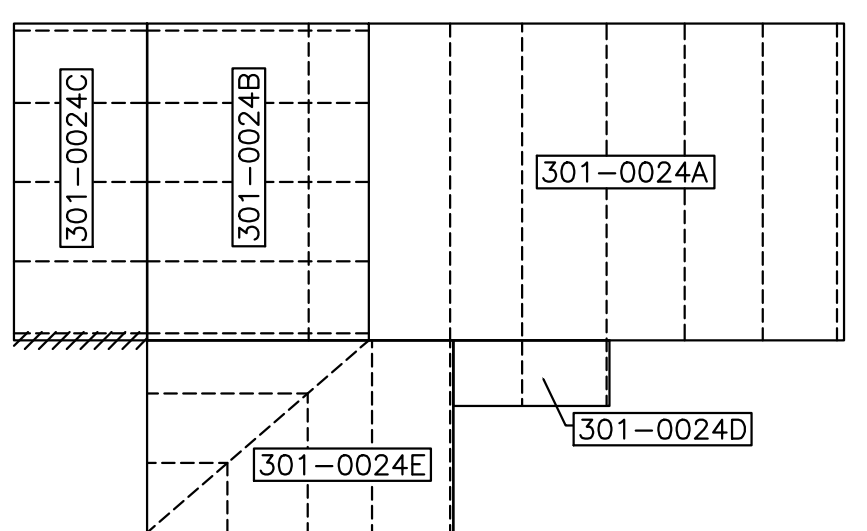
TRIM TABLE	FRAME LINE	LENGTH	DETAIL
OCT1	RT1	20'-3"	T82
	FT3	20'-3"	T82
	OCT1	20'-3"	T53



ENDWALL FRAMING: FRAME LINE 5



ENDWALL SHEETING & TRIM: FRAME LINE 5



KEY PLAN

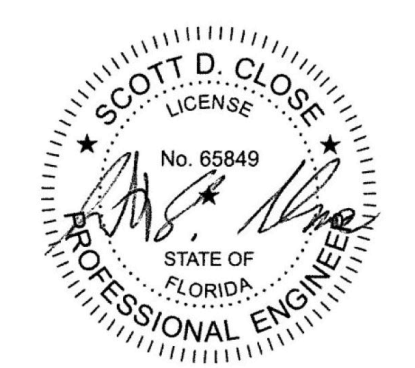
TRIDENT BUILDING SYSTEMS, INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
FLORIDA P.E.# 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
ENDWALL FRAMING & SHEETING LINE 5  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	DATE
A FOR APPROVAL	5.07.21
B SIGNED & SEALED FOR PERMIT	7.6.21

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E13



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
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SARASOTA, FL 34243

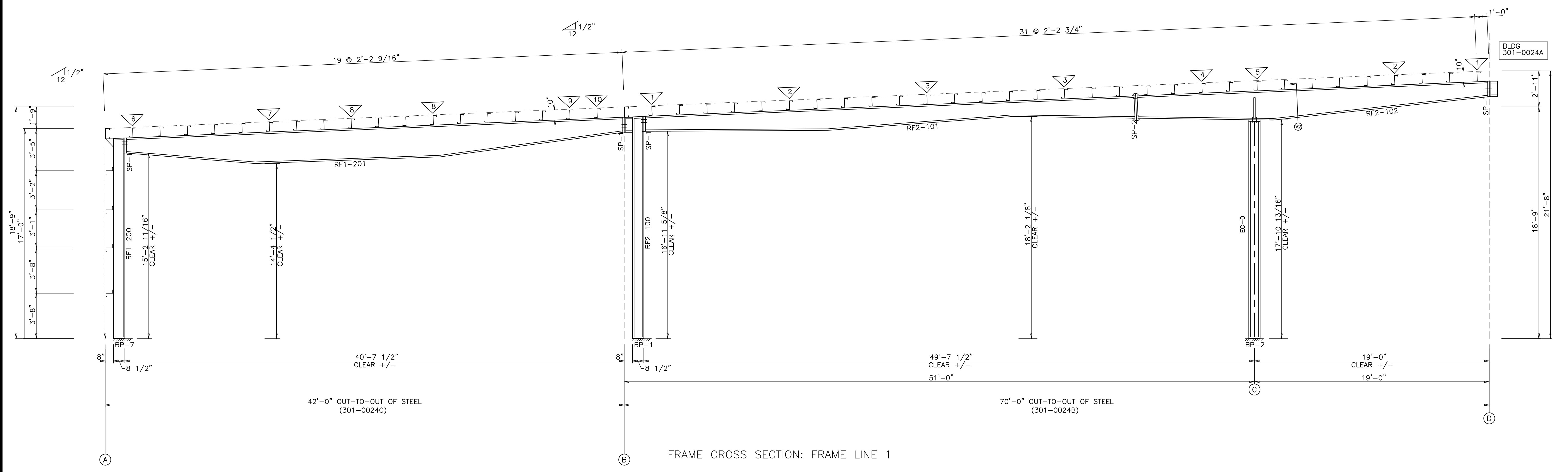


SPLICE BOLT TABLE						CAP PLATE BOLTS				
Mark	Qty	Top	Bot	Int	Type Dia	Length	Mark	Qty	Type Dia	Length
SP-1	4	0	0	0	A325 3/4"	1 3/4"	EC-0	4	A325 5/8"	1 3/4"
SP-2	4	4	0	0	A325 3/4"	1 3/4"				

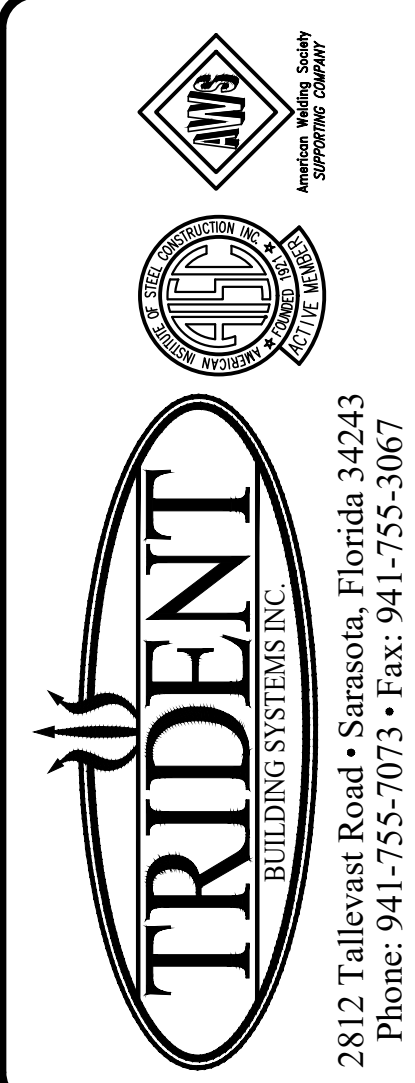
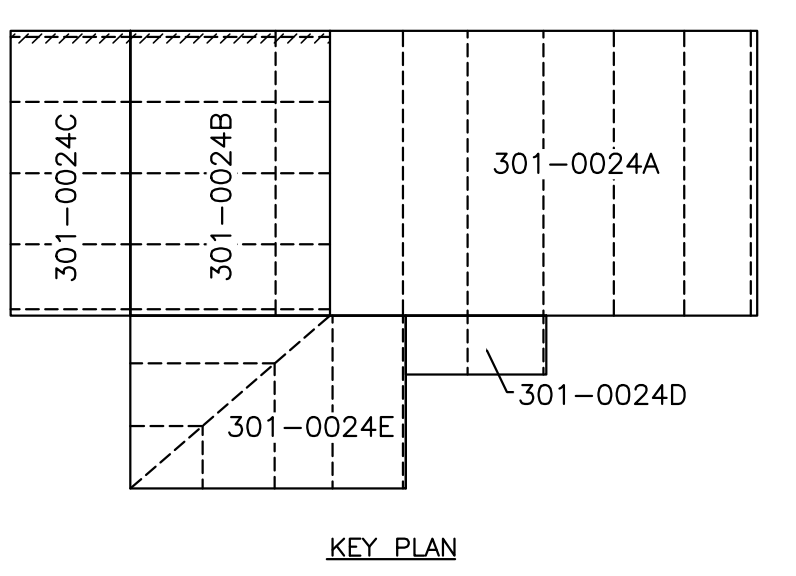
BASE PLATE TABLE			
Col Mark	Plate Width	Plate Thick	Length
BP-1	6"	3/8"	9 1/2"
BP-2	6"	1/2"	8 1/8"
BP-7	6"	1/2"	9 1/2"

FLANGE BRACE TABLE						
▽ ID	# SIDES	MARK	PART	LENGTH	BRACE DISTANCE	
1	1	FB31	L2X2X1/8	2'-7"	2'-4"	
2	1	FB34	L2X2X1/8	2'-10"	2'-4"	
3	1	FB33	L2X2X1/8	2'-9"	2'-4"	
4	1	FB37	L2X2X1/8	4'-1"	2'-4"	
5	1	FB39	L2X2X1/8	3'-3"	2'-4"	
6	1	FB31	L2X2X1/8	2'-7"	2'-4"	
7	1	FB40	L2X2X1/8	3'-4"	2'-4"	
8	1	FB41	L2X2X1/8	3'-5"	2'-4"	
9	1	FB33	L2X2X1/8	2'-9"	2'-4"	
10	1	FB32	L2X2X1/8	2'-8"	2'-4"	

MEMBER TABLE		Web Depth		Web Plate		Outside Flange		Inside Flange	
Mark	Length	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length
RF2-100	215.3	8.0/ 8.0	0.135	215.0	6 x 1/4" x 214.6	6 x 1/4" x 203.2			
RF2-101	480.3	11.5/18.0	0.135	192.4	8 x 5/16" x 359.9	8 x 1/4" x 180.5			
RF2-102	343.8	17.6/12.7	0.135	180.0	8 x 5/16" x 119.8	8 x 1/4" x 180.1			
EC-0		12.7/18.6	0.135	107.6	8 x 5/16" x 119.8	8 x 5/16" x 132.3			
RF1-200	194.3	25.2/12.0	0.135	198.9	8 x 1/4" x 343.0	8 x 5/16" x 210.8			
RF1-201	487.8	8.0/ 8.0	0.135	193.9	6 x 1/4" x 193.6	6 x 1/4" x 182.2			
		27.1/28.0	0.135	139.9	6 x 1/4" x 463.0	6 x 1/4" x 128.8			
		26.9/11.5	0.135	167.6	6 x 1/4" x 24.0	6 x 1/4" x 180.0			



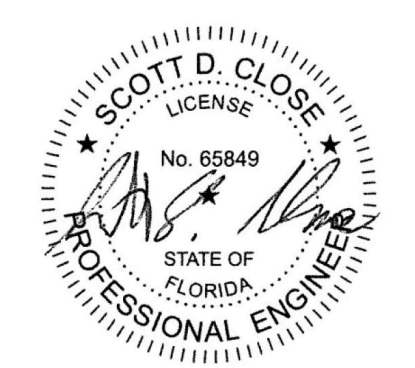
FRAME CROSS SECTION: FRAME LINE 1



DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E.# **65849**  
 FABRICATION AND ERECTION  
 DRAWINGS WERE PREPARED UNDER  
 THE RESPONSIBLE SUPERVISION  
 OF THE SPECIALTY ENGINEER  
 SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
 FRAME CROSS SECTION: FRAME LINE 1  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	
FOR APPROVAL	5.07.21
HDM	
SIGNED & SEALED FOR PERMIT	7.6.21
TDB	



SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

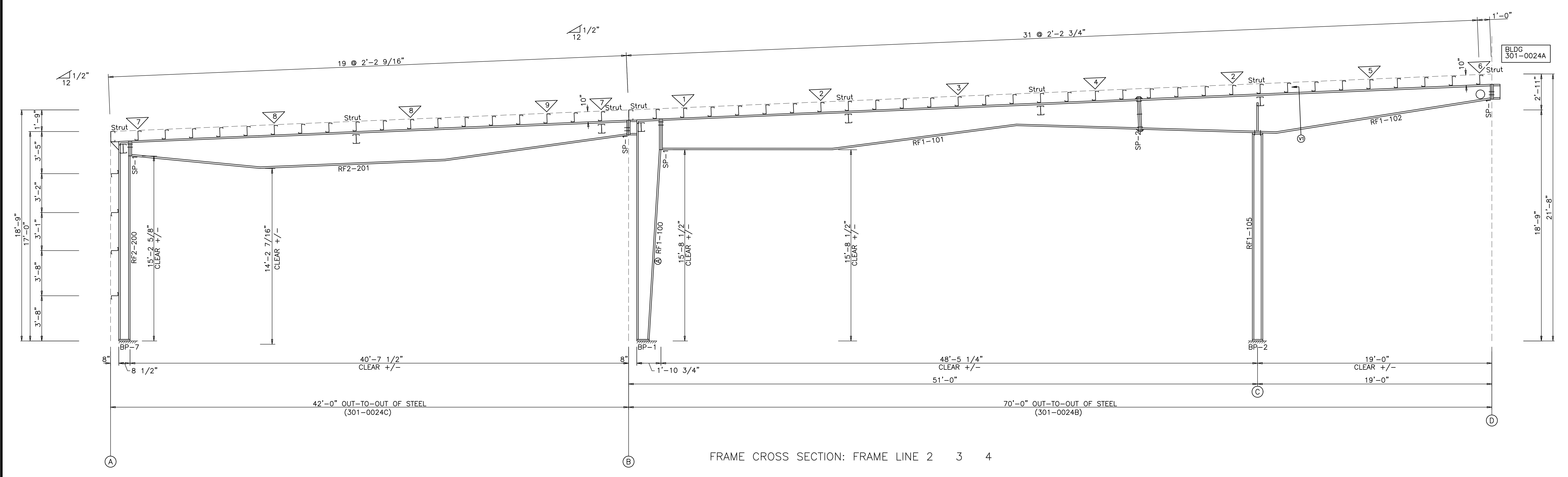
DRAWING DATE  
**5.07.21**  
 DRAWN BY  
**HDM**  
 CHECKED BY  
**SVW**  
 DRAWING SCALE  
**N.T.S.**  
 JOB NO.  
**21-020-04**  
 SHEET  
**E14**

SPLICE BOLT TABLE							CAP PLATE BOLTS					
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	4	0	0		A325	3/4"	1 3/4"	RF1-105	4	A325	3/4"	2"
SP-2	4	4	2		A325	3/4"	1 3/4"					

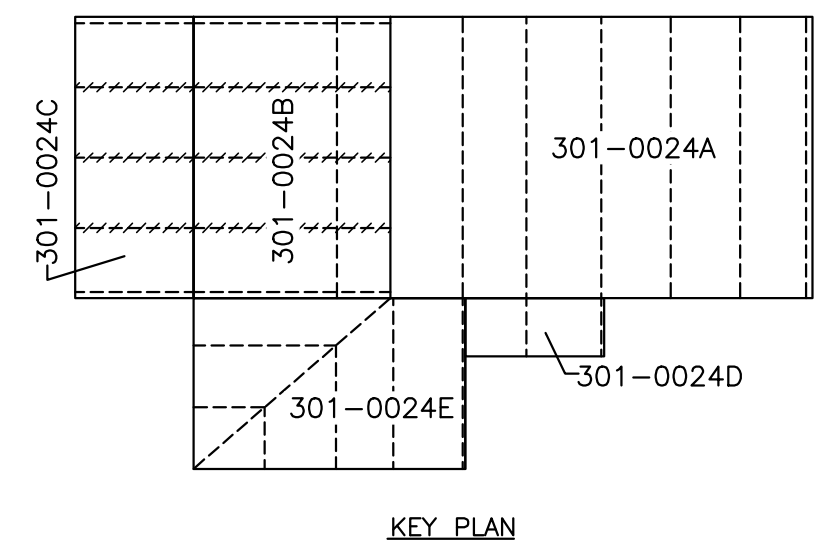
BASE PLATE TABLE				
Col Mark	Width	Thick	Length	
BP-1	6"	3/4"	10 3/4"	
BP-2	8"	3/4"	7 15/16"	
BP-7	6"	5/8"	9 1/2"	

FLANGE BRACE TABLE					
V ID	#	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB41	L2X2X1/8	3'-5"	2'-4"
2	1	FB53	L2X2X1/8	4'-5"	3'-4"
3	1	FB37	L2X2X1/8	3'-1"	2'-4"
4	1	FB38	L2X2X1/8	3'-2"	2'-4"
5	1	FB39	L2X2X1/8	3'-3"	2'-4"
6	1	FB31	L2X2X1/8	2'-7"	2'-4"
7	1	FB32	L2X2X1/8	2'-6"	2'-4"
8	2	FB42	L2X2X1/8	5'-6"	2'-4"
9	1	FB35	L2X2X1/8	2'-11"	2'-4"

MEMBER TABLE		Web		Web Plate		Outside Flange		Inside Flange		
Mark	Length	Start/End	Thick	Length	W x Thk	x Length	W x Thk	x Length	W x Thk	x Length
RF1-100	215.3	9.0/22.0	0.135	215.0	6 x 1/2"	x 214.1	6 x 1/2"	x 22.5	6 x 1/4"	x 188.2
RF1-101	466.1	27.0/34.0	0.188	178.8	8 x 1/4"	x 165.7	8 x 5/16"	x 299.6	8 x 1/4"	x 167.0
RF1-102	343.8	32.9/18.9	0.188	180.0	8 x 1/4"	x 180.7	8 x 5/16"	x 119.9	8 x 5/16"	x 132.0
RF1-105	205.0	18.9/26.5	0.188	107.6	8 x 5/16"	x 131.7	8 x 1/4"	x 211.3	8 x 5/16"	x 212.2
RF2-200	194.3	34.6/11.5	0.188	199.3	8 x 5/16"	x 211.3	8 x 1/4"	x 211.3	8 x 5/16"	x 182.0
RF2-201	487.8	8.0/8.0	0.135	193.8	6 x 1/4"	x 193.4	6 x 1/4"	x 8.2	6 x 1/4"	x 129.1
		11.5/29.0	0.135	139.9	8 x 1/4"	x 463.0	8 x 5/16"	x 24.0	8 x 5/16"	x 180.0
		29.0/29.0	0.135	180.0	8 x 1/4"	x 24.0			8 x 5/16"	x 179.9
		27.8/11.5	0.135	167.6						



FRAME CROSS SECTION: FRAME LINE 2 3 4

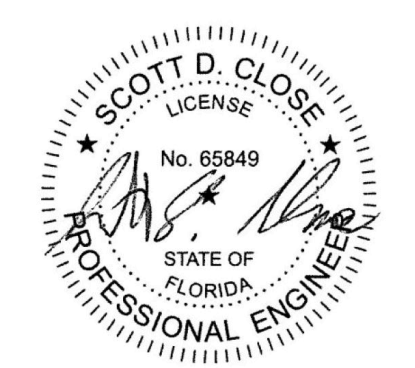


**TRIDENT BUILDING SYSTEMS, INC.**  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E. # 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
FRAME CROSS SECTION: FRAME LINE 2 3 & 4  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	DATE
A FOR APPROVAL	5.07.21
B SIGNED & SEALED FOR PERMIT	7.6.21



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

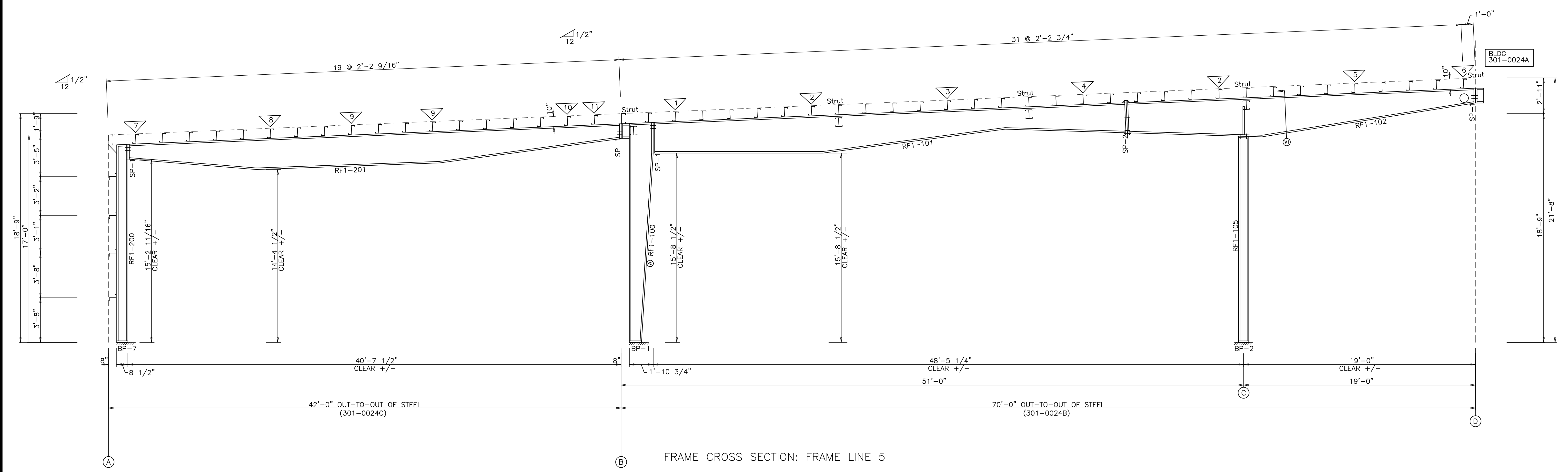
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E15

SPLICE BOLT TABLE						CAP PLATE BOLTS						
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	4	0	0	0	A325	3/4"	1 3/4"	RF1-105	4	A325	3/4"	2"
SP-2	4	4	2	2	A325	3/4"	1 3/4"					

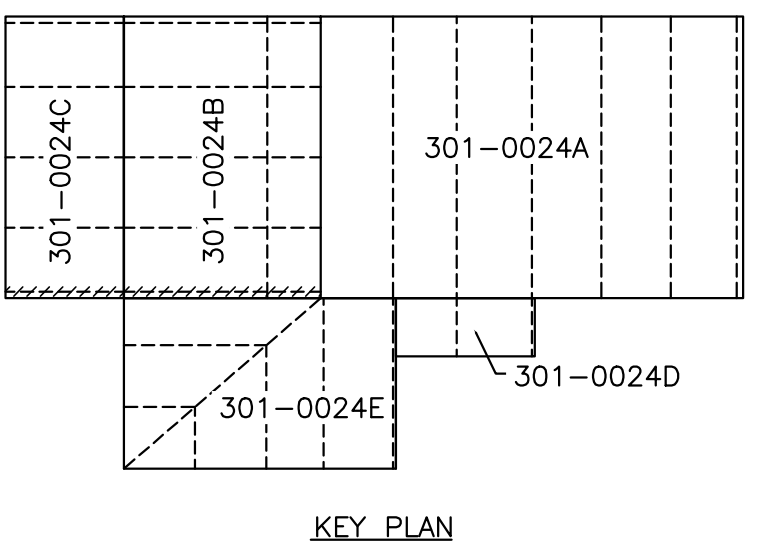
BASE PLATE TABLE				
Col Mark	Width	Thick	Length	
BP-1	6"	3/4"	10 3/4"	
BP-2	8"	3/4"	7 15/16"	
BP-7	6"	1/2"	9 1/2"	

FLANGE BRACE TABLE					
▽ ID	#	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB41	L2X2X1/8	3'-5"	2'-4"
2	1	FB53	L2X2X1/8	4'-5"	3'-4"
3	1	FB37	L2X2X1/8	3'-1"	2'-4"
4	1	FB38	L2X2X1/8	3'-2"	2'-4"
5	1	FB39	L2X2X1/8	3'-3"	2'-4"
6	1	FB31	L2X2X1/8	2'-7"	2'-4"
7	1	FB31	L2X2X1/8	2'-7"	2'-4"
8	1	FB40	L2X2X1/8	3'-4"	2'-4"
9	1	FB41	L2X2X1/8	3'-5"	2'-4"
10	1	FB33	L2X2X1/8	2'-9"	2'-4"
11	1	FB32	L2X2X1/8	2'-8"	2'-4"

MEMBER TABLE									
Mark	Length	Web Depth		Web Plate		Outside Flange		Inside Flange	
		Start/End	Thick	Length	W x Thk	x Length	W x Thk	x Length	
RF1-100	215.3	9.0/22.0	0.135	215.0	6 x 1/2"	x 214.1	6 x 1/4"	x 188.2	
RF1-101	466.1	27.0/34.0	0.188	178.8	8 x 1/2"	x 22.5	8 x 1/4"	x 167.0	
		32.9/18.9	0.188	180.0	8 x 5/16"	x 299.6	8 x 1/4"	x 180.7	
RF1-102	343.8	18.9/26.5	0.188	107.6	8 x 5/16"	x 131.7	8 x 5/16"	x 119.9	
		26.6/36.0	0.188	143.7	8 x 1/4"	x 211.3	8 x 1/4"	x 132.0	
RF1-105	205.0	W8X24					8 x 5/16"	x 212.2	
RF1-200	194.3	8.0/ 8.0	0.135	193.9	6 x 1/4"	x 193.6	6 x 1/4"	x 182.2	
		27.1/28.0	0.135	139.9	6 x 1/4"	x 8.2	6 x 1/4"	x 128.8	
RF1-201	487.8	11.5/27.1	0.135	139.9	6 x 1/4"	x 463.0	6 x 1/4"	x 180.0	
		26.9/11.5	0.135	167.6	6 x 1/4"	x 24.0	6 x 1/4"	x 179.9	



FRAME CROSS SECTION: FRAME LINE 5



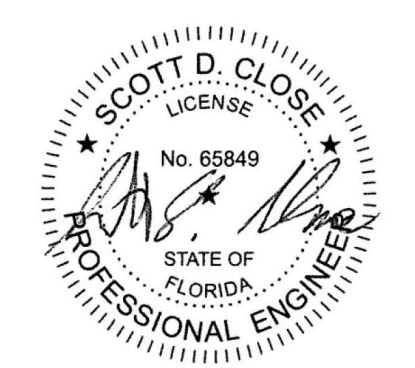
KEY PLAN

TRIDENT BUILDING SYSTEMS, INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E.# 65849  
FABRICATION AND ERECTION  
DRAWINGS WERE PREPARED UNDER  
THE RESPONSIBLE SUPERVISION  
OF THE SPECIALTY ENGINEER  
SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
FRAME CROSS SECTION: FRAME LINE 5  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

DRAWING DATE	
5.07.21	
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E16

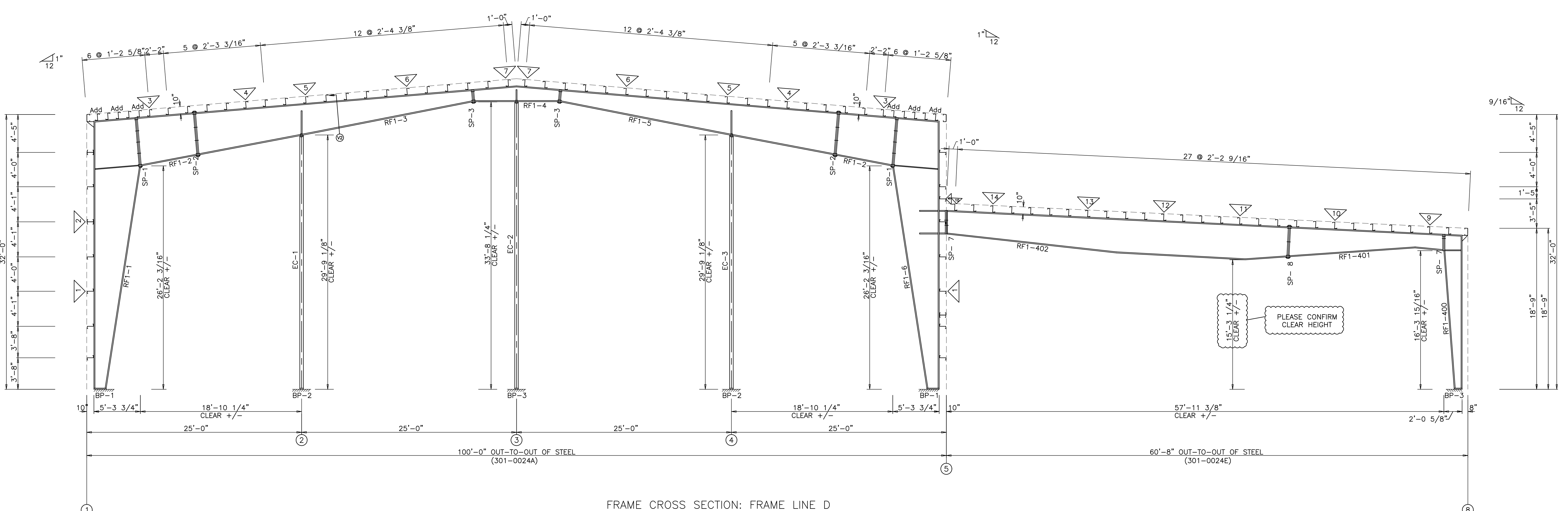
SPUCE BOLT TABLE						CAP PLATE BOLTS						
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	2	4	6	A325	7/8"	2	3/4"	EC-1	4	A325	5/8"	1 3/4"
SP-2	4	4	4	A325	3/4"	2	1/2"	EC-2	4	A325	3/4"	1 3/4"
SP-3	2	4	0	A325	3/4"	1	3/4"	EC-3	4	A325	5/8"	1 3/4"
SP-7	4	0	0	A325	3/4"	1	3/4"					
SP-8	4	4	2	A325	7/8"	2	1/2"					

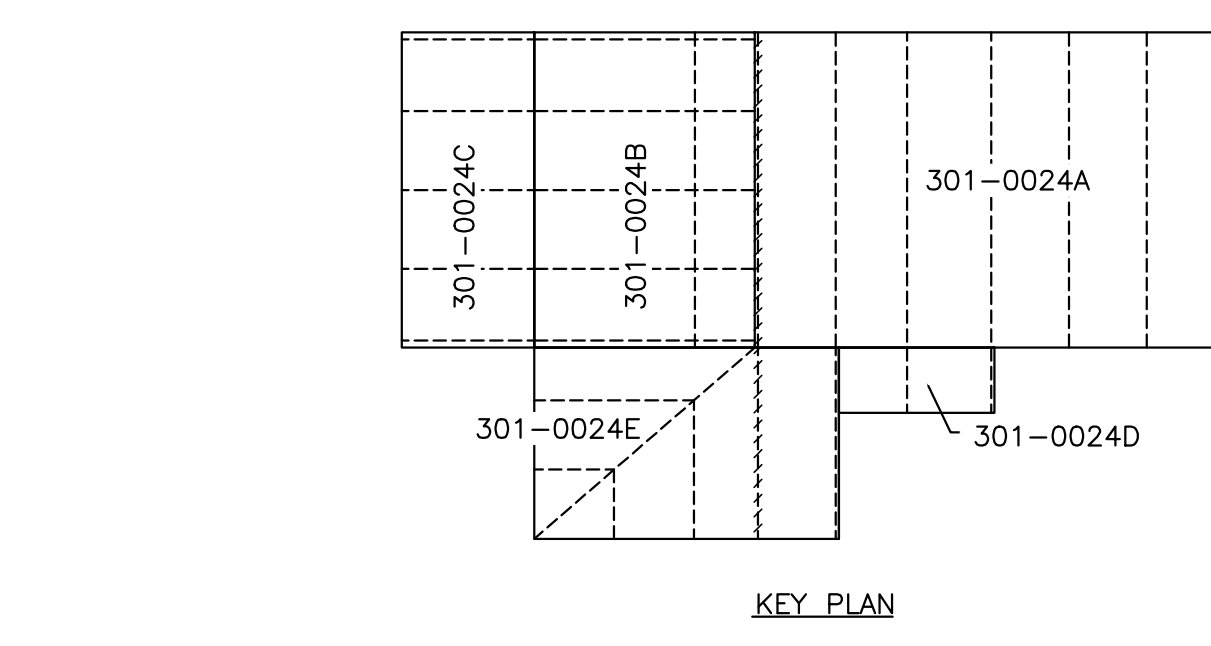
BASE PLATE TABLE			
Col Mark	Plate Width	Plate Thick	Size Length
BP-1	6"	5/8"	1'-3 3/4"
BP-2	10"	1"	1'-6 1/2"
BP-3	8"	3/4"	1'-6 1/2"
BP-3	6"	1/2"	9 5/8"

FLANGE BRACE TABLE						
ID	#	SIDES	MARK	PART	LENGTH	BRACE DISTANCE
1	1		FB55	L2X2X1/8	4'-7"	3'-4"
2	1		FB74	L3X3X1/4	6'-2"	4'-4"
3	1		FB91	L3X3X1/4	7'-7"	5'-4"
4	1		FB73	L3X3X1/4	6'-10"	4'-4"
5	1		FB58	L2X2X1/8	4'-10"	3'-4"
6	1		FB38	L2X2X1/8	3'-2"	2'-4"
7	1		FB34	L2X2X1/8	2'-10"	2'-4"
8	1		FB76	L3X3X1/4	6'-6"	4'-4"
9	1		FB55	L2X2X1/8	2'-11"	2'-4"
10	1		FB52	L2X2X1/8	4'-4"	3'-4"
11	1		FB71	L3X3X1/4	5'-11"	4'-4"
12	1		FB70	L3X3X1/4	5'-10"	4'-4"
13	1		FB60	L3X3X1/4	4'-0"	3'-4"
14	1		FB54	L2X2X1/8	4'-6"	3'-4"

MEMBER TABLE		Web Depth		Web Plate		Outside Flange		Inside Flange	
Mark	Length	Start/End	Thick	Length		W x Thk x Length		W x Thk x Length	
RF1-1	374.7	14.0/36.1	0.313	139.6		6 x 3/8" x 373.8		6 x 3/8" x 313.4	
RF1-2	82.3	36.1/63.0	0.313	239.0		6 x 5/16" x 57.8		6 x 3/8" x 81.4	
RF1-3	389.6	65.0/56.5	0.313	81.0		6 x 3/8" x 164.5		6 x 3/8" x 165.4	
RF1-4	122.8	37.7/14.0	0.188	212.3		6 x 1/4" x 224.3		6 x 1/4" x 225.6	
RF1-5	122.8	14.0/19.1	0.135	122.0		6 x 1/4" x 61.2		6 x 1/4" x 119.6	
RF1-6	389.6	14.0/37.7	0.188	212.3		6 x 1/4" x 224.3		6 x 1/4" x 225.6	
RF1-6	374.7	39.0/56.4	0.313	176.5		6 x 3/8" x 164.5		6 x 3/8" x 165.4	
RF1-6	374.7	63.0/36.1	0.313	239.0		6 x 3/8" x 57.8		6 x 3/8" x 313.4	
RF1-6	374.7	36.1/14.0	0.313	139.6		6 x 3/8" x 373.8			
EC-1	357.7								
EC-2	404.3								
EC-3	357.7								
RF1-400	215.2								
RF1-401	216.7								
RF1-402	479.5								



FRAME CROSS SECTION: FRAME LINE D



KEY PLAN

TRIDENT BUILDING SYSTEMS, INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

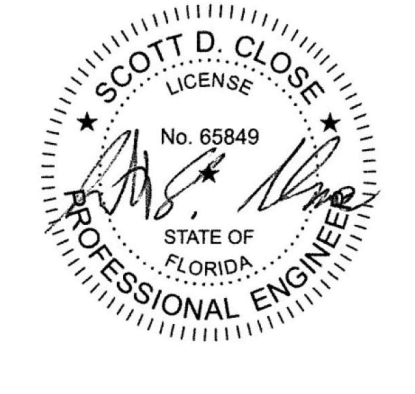
DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E. # 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
**FRAME CROSS SECTION: FRAME LINE D**  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	DATE
A	5.07.21
B	HDM
	7.6.21
	TDB

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E17

SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

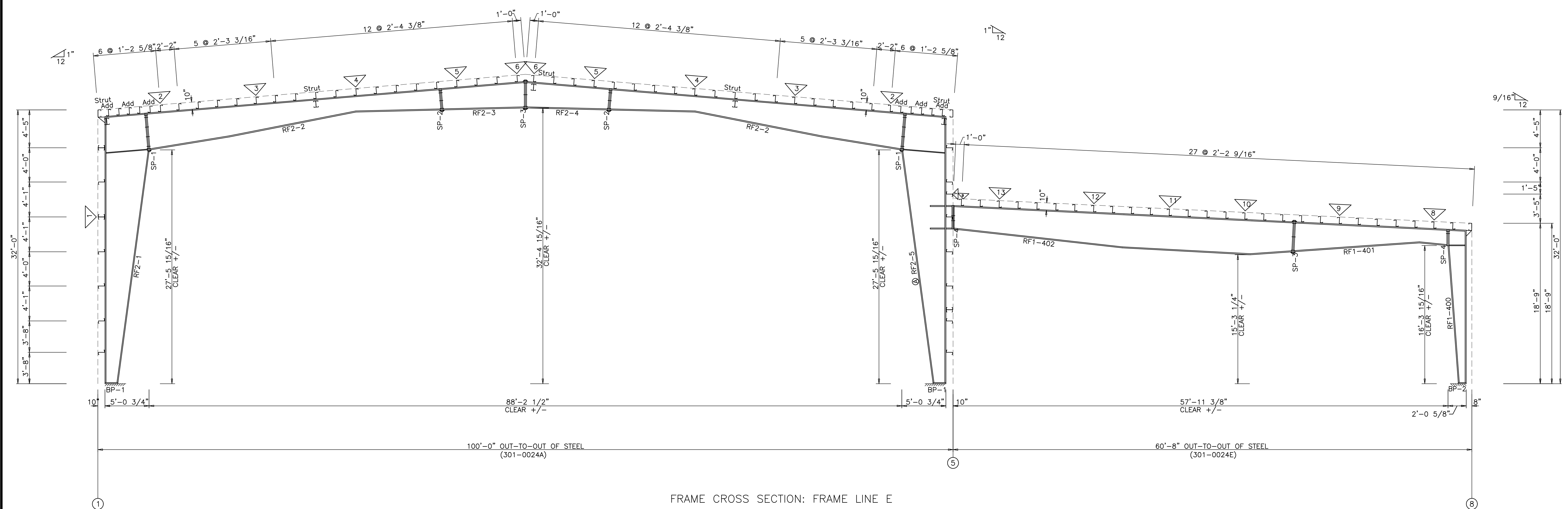


SPLICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Dia
SP-1	4	6	4	A325	1"	3 1/4"
SP-2	4	4	2	A325	1"	3 1/4"
SP-3	4	4	2	A325	7/8"	2 1/2"
SP-4	4	0	0	A325	3/4"	1 3/4"

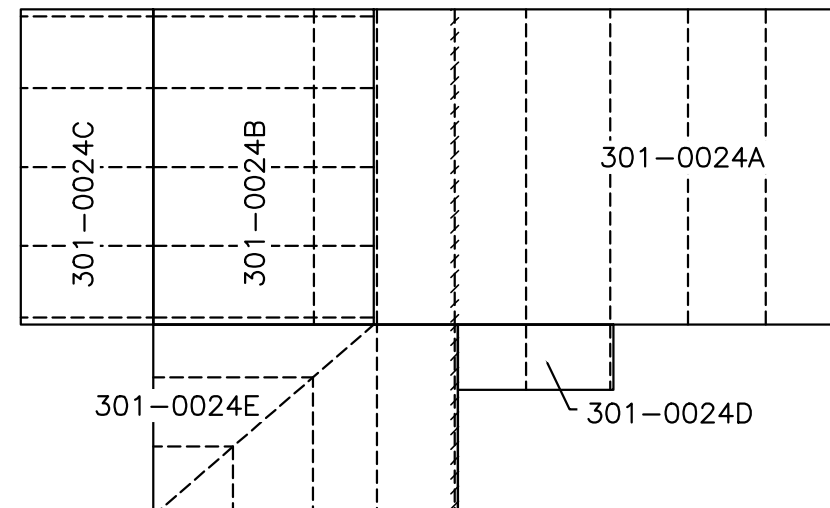
BASE PLATE TABLE			
Col Mark	Plate Size	Width	Length
BP-1	10" x 1"	1"	4 3/4"
BP-2	6" x 1/2"	9 5/8"	

FLANGE BRACE TABLE					
▽ ID	#	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB72	L3x3x1/4	6'-0"	4'-4"
2	2	FB72	L3x3x1/4	6'-0"	4'-4"
3	2	FB55	L2x2x1/8	4'-7"	3'-4"
4	1	FB36	L2x2x1/8	3'-0"	2'-4"
5	2	FB42	L2x2x1/8	3'-0"	2'-4"
6	2	FB54	L2x2x1/8	4'-6"	3'-4"
7	1	FB75	L3x3x1/4	6'-3"	4'-4"
8	1	FB35	L2x2x1/8	2'-11"	2'-4"
9	1	FB52	L2x2x1/8	4'-4"	3'-4"
10	1	FB71	L3x3x1/4	5'-11"	4'-4"
11	1	FB70	L3x3x1/4	5'-10"	4'-4"
12	1	FB60	L3x3x1/4	4'-0"	3'-4"
13	1	FB54	L2x2x1/8	4'-6"	3'-4"

MEMBER TABLE									
Mark	Length	Web Depth		Web Plate		Outside Flange		Inside Flange	
		Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF2-1	374.7	15.0/26.9	0.250	85.9	10 x 3/8" x 373.3	10 x 3/8" x 56.1			
RF2-2	414.9	26.9/60.0	0.250	239.0	60.0/55.6	0.375	53.1	10 x 1/2" x 113.3	10 x 3/8" x 113.6
RF2-3		49.0/40.0	0.250	125.3	38.7/20.7	0.188	180.0	10 x 3/8" x 299.7	10 x 3/8" x 181.1
RF2-4	120.0	27.2/34.0	0.188	118.3				10 x 3/8" x 118.3	10 x 3/8" x 119.8
RF2-5	120.0	34.0/27.2	0.188	118.3				10 x 3/8" x 118.3	10 x 3/8" x 115.7
	374.7	55.6/60.0	0.375	53.1	60.0/26.8	0.250	239.0	10 x 3/8" x 56.1	10 x 3/8" x 327.9
		26.9/15.0	0.250	85.9					
RF1-400	215.2	8.0/24.0	0.135	215.7	6 x 1/4" x 214.5	6 x 1/4" x 24.3		6 x 3/8" x 196.1	6 x 3/8" x 196.1
RF1-401	216.7	20.0/19.4	0.188	52.7	8 x 1/4" x 39.7	8 x 1/4" x 40.7		8 x 1/4" x 40.7	8 x 1/4" x 40.7
RF1-402	479.5	19.4/38.9	0.188	164.0	8 x 3/8" x 176.0	8 x 1/4" x 177.2		8 x 1/4" x 177.2	8 x 1/4" x 177.2
		39.0/46.0	0.188	70.9	8 x 3/8" x 58.9	8 x 1/4" x 59.3		8 x 1/4" x 59.3	8 x 1/4" x 59.3
		45.9/45.0	0.188	180.0	8 x 5/16" x 419.6	8 x 1/4" x 180.0		8 x 1/4" x 180.0	8 x 1/4" x 180.0
		44.2/30.0	0.188	227.6				8 x 1/4" x 238.6	8 x 1/4" x 238.6



FRAME CROSS SECTION: FRAME LINE E



KEY PLAN

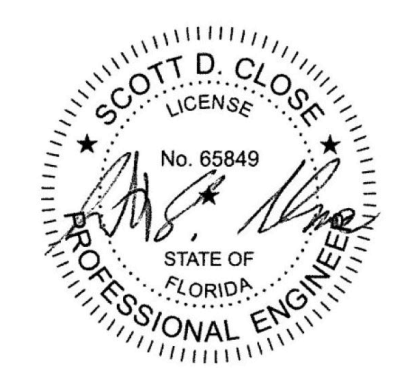
TRIDENT BUILDING SYSTEMS, INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E. # 65849  
FABRICATION AND ERECTION  
DRAWINGS WERE PREPARED UNDER  
THE RESPONSIBLE SUPERVISION  
OF THE SPECIALTY ENGINEER  
SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
FRAME CROSS SECTION: FRAME LINE E  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E18



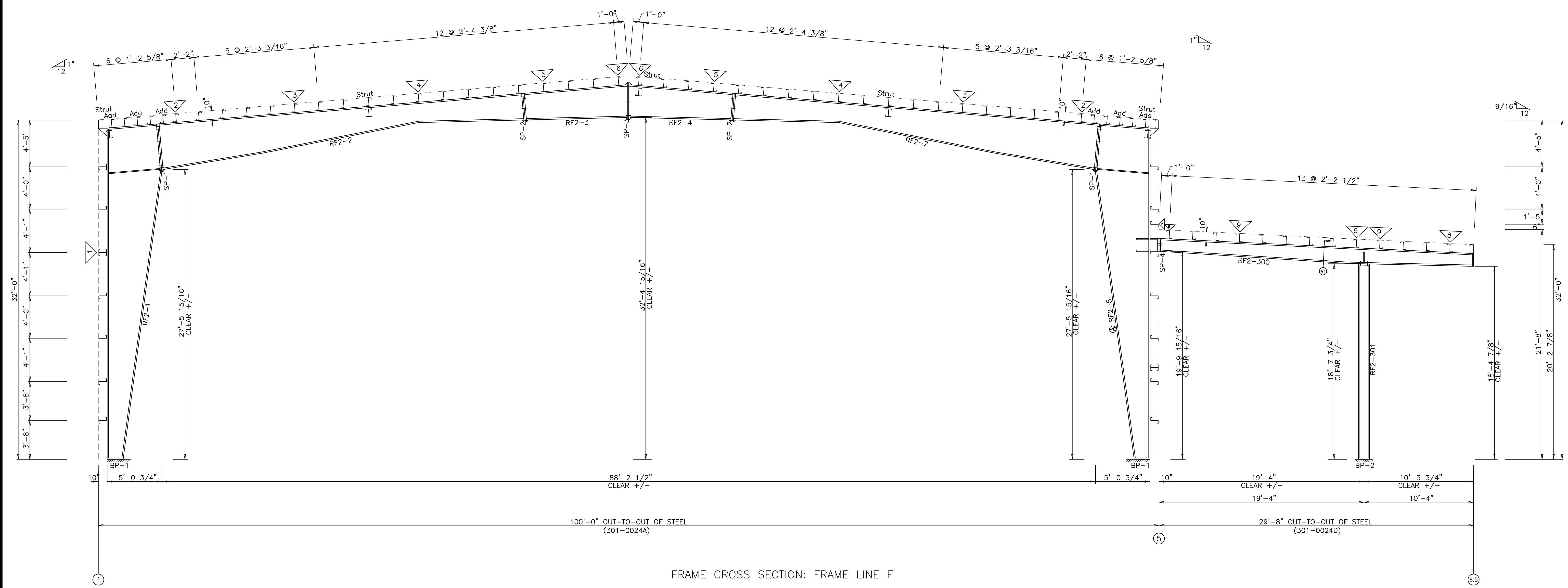
SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

SPLICE BOLT TABLE							CAP PLATE BOLTS				
Mark	Qty	Top	Bot	Int	Type	Length	Mark	Qty	Type	Dia	Length
SP-1	4	6	4	A325	1"	3 1/4"	RF2-301	4	A325	5/8"	1 1/2"
SP-2	4	4	2	A325	1"	2 1/4"					
SP-3	4	4	2	A325	7/8"	2 1/4"					
SP-4	4	0	0	A325	3/4"	1 3/4"					

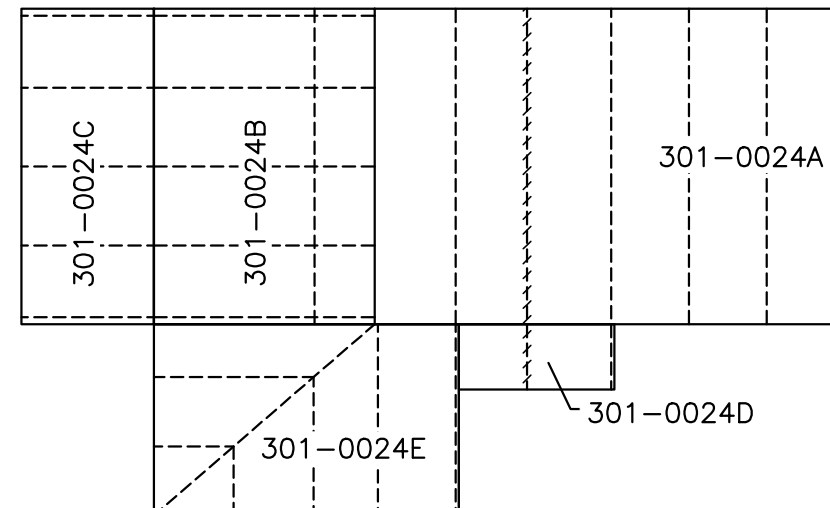
BASE PLATE TABLE			
Col Mark	Plate Width	Plate Thick	Plate Length
BP-1	10"	1"	1'-4 3/4"
BP-2	6"	1/2"	10 3/16"

FLANGE BRACE TABLE					
▽ ID	# SIDES	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB72	L3X3X1/4	6'-0"	4'-4"
2	2	FB72	L3X3X1/4	6'-0"	4'-4"
3	2	FB55	L2X2X1/8	4'-7"	3'-4"
4	1	FB36	L2X2X1/8	3'-0"	2'-4"
5	2	FB42	L2X2X1/8	3'-6"	2'-4"
6	2	FB54	L2X2X1/8	4'-6"	3'-4"
7	1	FB75	L3X3X1/4	6'-3"	4'-4"
8	1	FB31	L2X2X1/8	2'-7"	2'-4"
9	1	FB32	L2X2X1/8	2'-8"	2'-4"

MEMBER TABLE		Web Depth		Web Plate		Outside Flange		Inside Flange	
Mark	Length	Start/End	Thick	Length	W x Thk	Length	W x Thk	Length	W x Thk
RF2-1	374.7	15.0/26.9	0.250	85.9	10 x 3/8"	373.3	10 x 3/8"	327.9	10 x 3/8"
		26.9/60.0	0.250	239.0	10 x 3/8"	56.1			
		60.0/55.6	0.375	53.1					
RF2-2	414.9	49.0/40.0	0.250	125.3	10 x 1/2"	113.3	10 x 3/8"	113.6	10 x 3/8"
		38.7/20.7	0.188	180.0	10 x 3/8"	299.7			
		20.7/27.1	0.188	107.7					
RF2-3	120.0	27.2/34.0	0.188	118.3	10 x 3/8"	118.3	10 x 3/8"	118.3	10 x 3/8"
RF2-4	120.0	34.0/27.2	0.188	118.3	10 x 3/8"	118.3	10 x 3/8"	115.7	10 x 3/8"
RF2-5	374.7	55.6/60.0	0.375	53.1	10 x 3/8"	56.1	10 x 3/8"	327.9	10 x 3/8"
		60.0/28.9	0.250	239.0	10 x 3/8"	373.3			
		26.9/15.0	0.250	85.9					
RF2-300	356.4	11.5/15.0	0.135	153.6	6 x 1/4"	355.6	6 x 1/4"	141.7	6 x 1/4"
RF2-301	223.9	14.8/11.5	0.135	202.6	6 x 1/4"	214.1	6 x 1/4"	214.1	6 x 1/4"



FRAME CROSS SECTION: FRAME LINE F



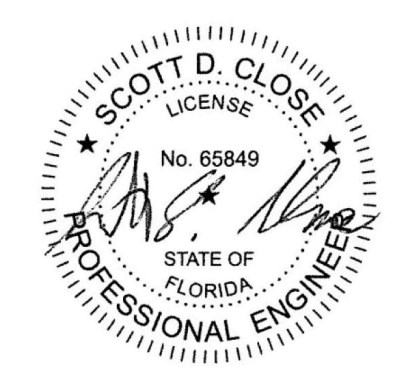
KEY PLAN

TRIDENT BUILDING SYSTEMS, INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E. # 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
FRAME CROSS SECTION: FRAME LINE F  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	
FOR APPROVAL	5.07.21
HDM	
SIGNED & SEALED FOR PERMIT	7.6.21
TDB	



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

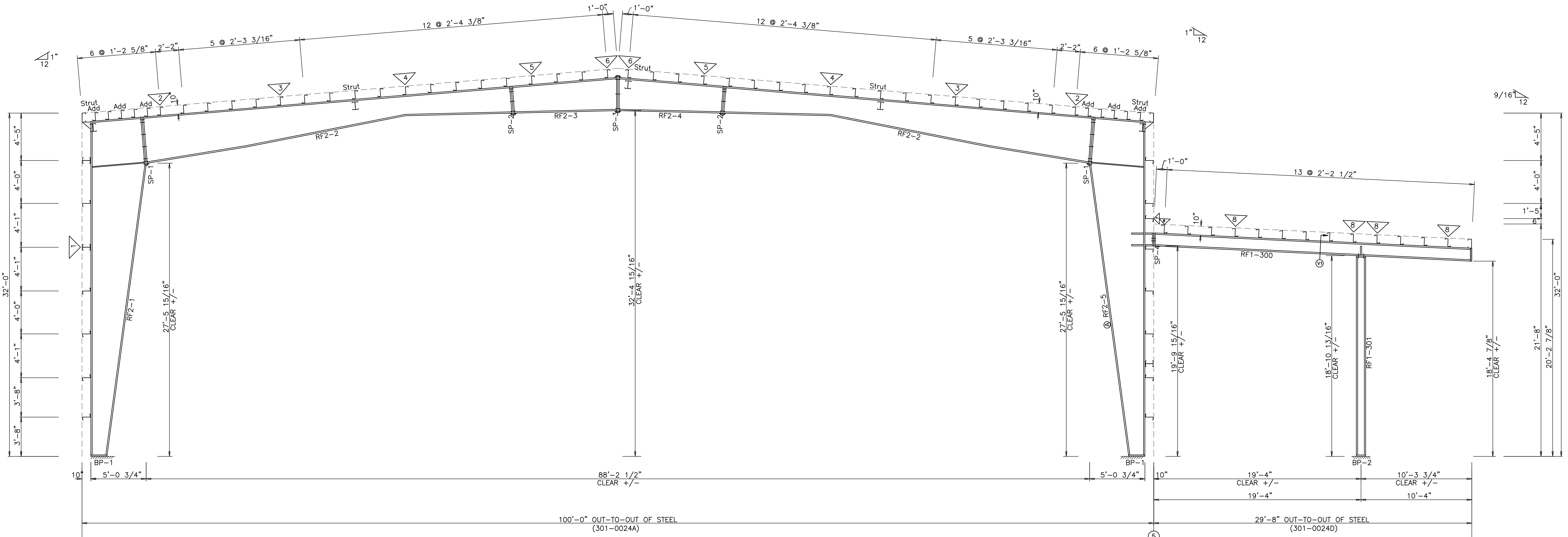
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E19

SPLICE BOLT TABLE							CAP PLATE BOLTS					
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	4	6	4	A325	1"	3 1/4"		RF1-301	4	A325	5/8"	1 1/2"
SP-2	4	4	2	A325	1"	2 1/4"						
SP-3	4	4	2	A325	7/8"	2 1/2"						
SP-4	4	0	0	A325	3/4"	1 3/4"						

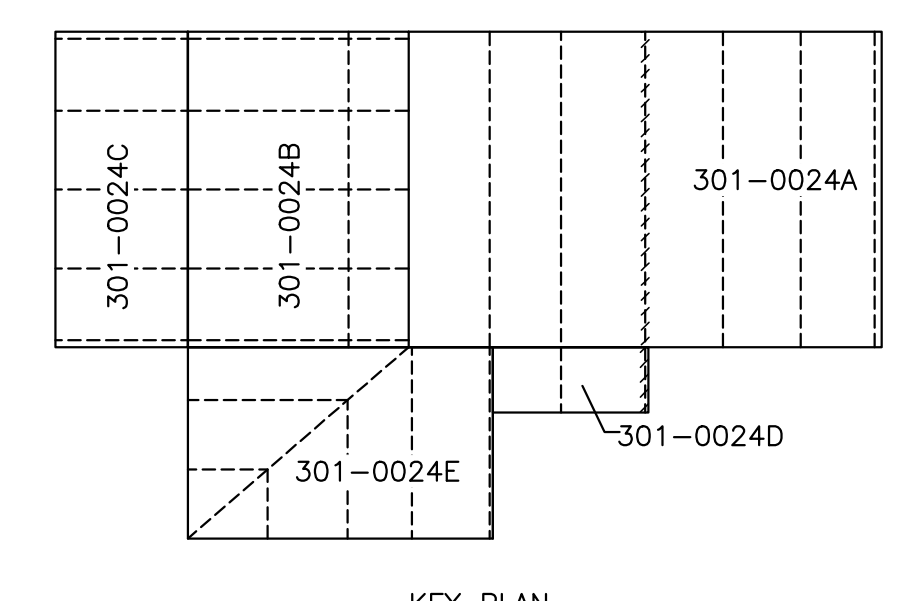
BASE PLATE TABLE			
Col Mark	Plate Width	Plate Thick	Plate Length
BP-1	10"	1"	1'-4 3/4"
BP-2	6"	3/8"	8 1/8"

FLANGE BRACE TABLE					
∇ ID	# SIDES	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB72	L3X3X1/4	6'-0"	4'-4"
2	2	FB72	L3X3X1/4	6'-0"	4'-4"
3	2	FB55	L2X2X1/8	4'-7"	3'-4"
4	2	FB36	L2X2X1/8	3'-0"	2'-4"
5	2	FB42	L2X2X1/8	3'-6"	2'-4"
6	2	FB54	L2X2X1/8	4'-6"	3'-4"
7	1	FB75	L3X3X1/4	6'-3"	4'-4"
8	1	FB31	L2X2X1/8	2'-7"	2'-4"

MEMBER TABLE									
Mark	Length	Start/End	Web Depth	Web Thick	Web Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length		
RF2-1	374.7	15.0/26.9	0.250	85.9	26.9/60.0	10 x 3/8" x 373.3	10 x 3/8" x 327.9		
RF2-2	414.9	60.0/55.6	0.375	53.1	49.0/40.0	10 x 1/2" x 113.3	10 x 3/8" x 113.6		
RF2-3	120.0	38.7/20.7	0.188	180.0	20.7/27.1	10 x 3/8" x 299.7	10 x 3/8" x 119.8		
RF2-4	120.0	27.2/34.0	0.188	118.3	34.0/27.2	10 x 3/8" x 118.3	10 x 3/8" x 115.7		
RF2-5	374.7	55.6/60.0	0.375	53.1	60.0/28.9	10 x 3/8" x 56.1	10 x 3/8" x 373.3		
RF1-300	356.4	11.5/11.5	0.135	239.0	26.9/15.0	6 x 1/4" x 355.6	6 x 1/4" x 355.6		
RF1-301	227.0	11.5/11.5	0.135	117.2	WBX18				



FRAME CROSS SECTION: FRAME LINE G



KEY PLAN

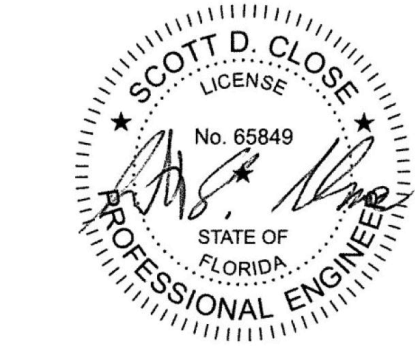
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E. # 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
**FRAME CROSS SECTION: FRAME LINE G**  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21

DRAWING DATE: **5.07.21**  
DRAWN BY: **HDM**  
CHECKED BY: **SVW**  
DRAWING SCALE: **N.T.S.**  
JOB NO.: **21-020-04**  
SHEET: **E20**



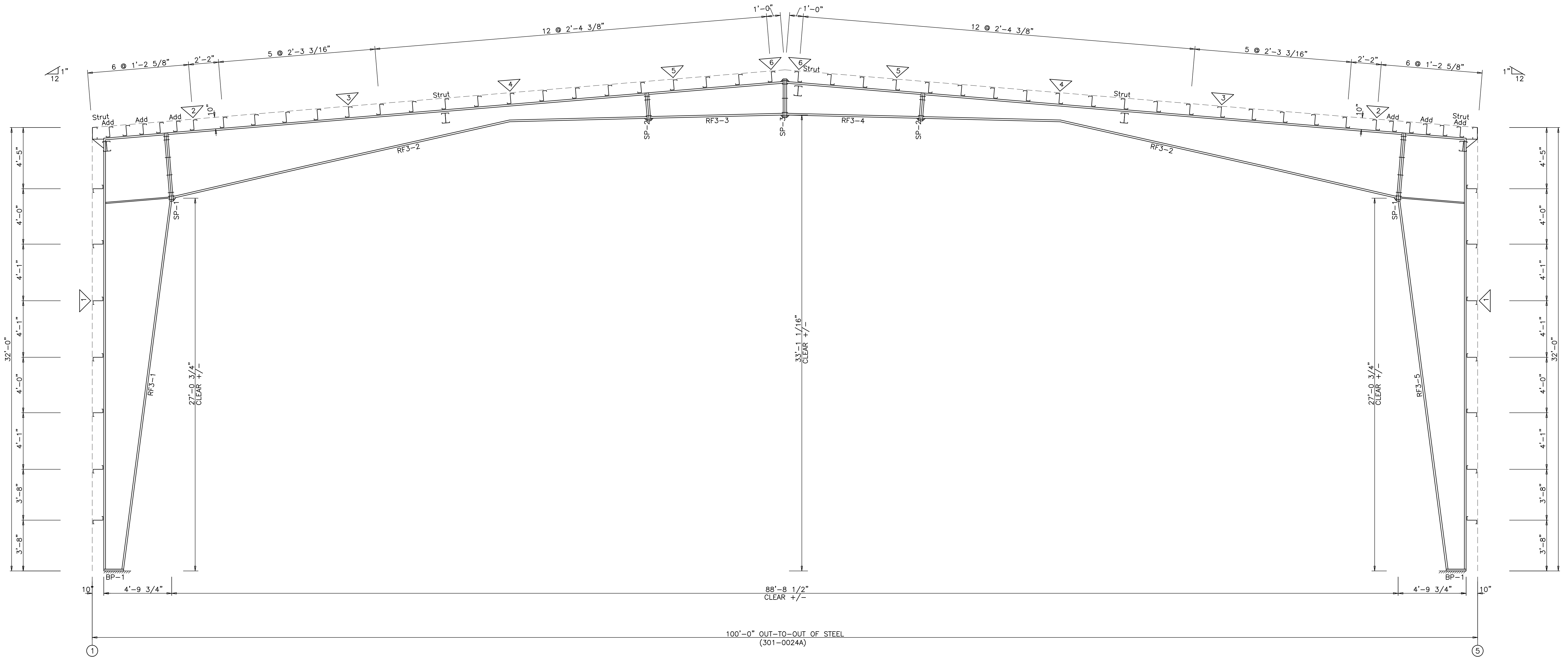
SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

SPLICE BOLT TABLE							
Mark	Qty	Top	Bot	Int	Type	Dia	Length
SP-1	4	6	4	A325	7/8"	2	3/4"
SP-2	4	4	0	A325	1"	3	1/4"
SP-3	4	4	2	A325	3/4"	2	

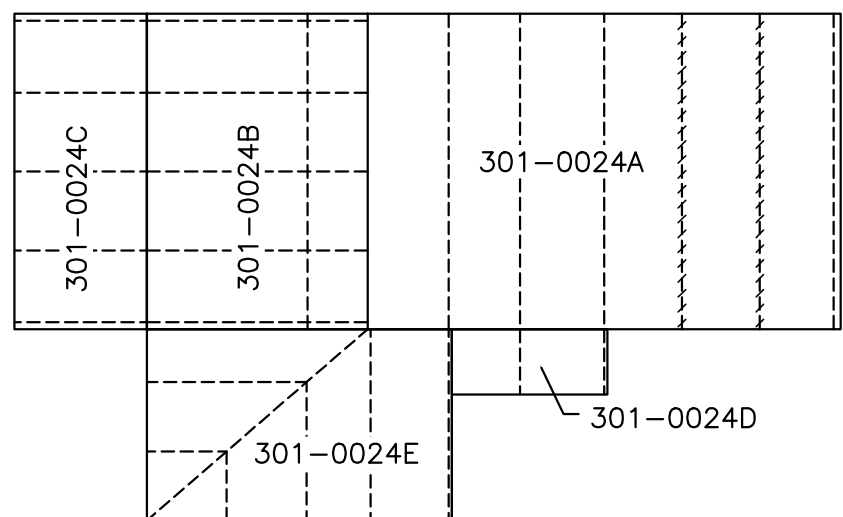
BASE PLATE TABLE				
Col	Plate Size	Width	Thick	Length
BP-1	10"	3/4"	1'-3	3/4"

FLANGE BRACE TABLE					
▽ ID	#	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB70	L3X3X1/4	5'-10"	4'-4"
2	2	FB74	L3X3X1/4	6'-2"	4'-4"
3	2	FB52	L2X2X1/8	4'-4"	3'-4"
4	1	FB31	L2X2X1/8	2'-7"	2'-4"
5	1	FB36	L2X2X1/8	3'-0"	2'-4"
6	2	FB39	L2X2X1/8	3'-3"	2'-4"

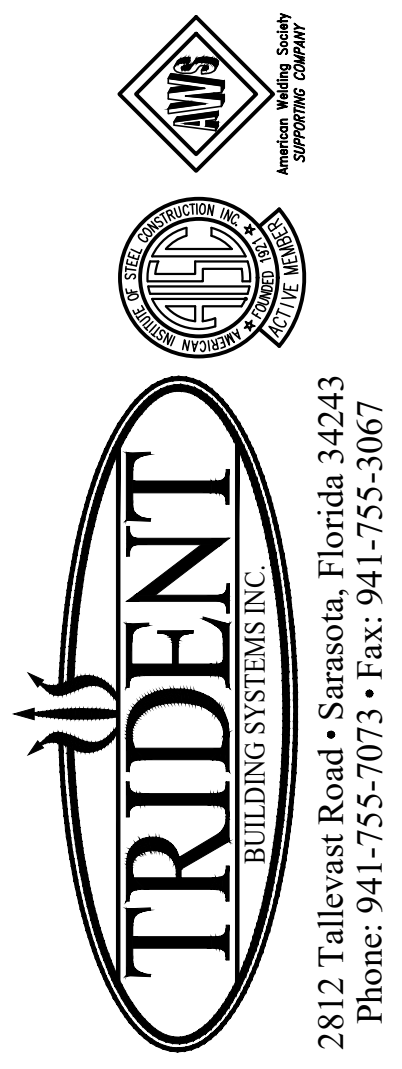
MEMBER TABLE							
Mark	Length	Web Depth		Web Plate		Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
		Start/End	Thick	Length	Thick		
RF3-1	374.8	14.0/24.9	0.250	81.0		10 x 3/8" x 373.7	10 x 3/8" x 322.8
		24.9/57.0	0.250	239.0		10 x 3/8" x 52.7	
		57.0/52.2	0.375	58.1			
		54.0/37.0	0.250	129.3			
RF3-2	418.6	35.3/12.7	0.188	180.0		10 x 3/8" x 416.9	10 x 3/8" x 118.6
		12.7/19.0	0.135	107.5			10 x 3/8" x 119.7
		19.2/26.0	0.135	118.5			10 x 3/8" x 116.5
		26.0/19.2	0.135	118.5			10 x 3/8" x 116.5
		52.2/57.0	0.375	58.1			10 x 3/8" x 116.5
RF3-3	120.0	57.0/24.9	0.250	239.0		10 x 3/8" x 373.7	
		24.9/14.0	0.250	81.0			
		19.2/26.0	0.135	118.5			
		26.0/19.2	0.135	118.5			



FRAME CROSS SECTION: FRAME LINE H I



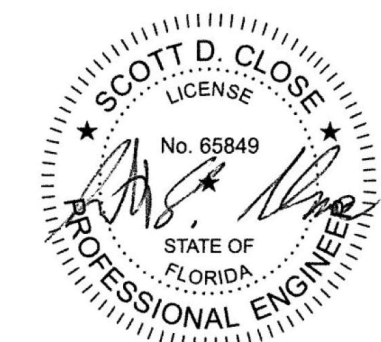
KEY PLAN



DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E.# 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
 FRAME CROSS SECTION: FRAME LINE H I  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	
A	FOR APPROVAL 5.07.21
B	SIGNED & SEALED FOR PERMIT 7.6.21



SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E21



SPLICE BOLT TABLE							CAP PLATE BOLTS					
Mark	Qty	Top	Bot	Int	Type	Dia	Length	Mark	Qty	Type	Dia	Length
SP-1	2	4	4	A325	3/4"	2"		EC-6	4	A325	5/8"	1 1/2"
SP-2	4	4	4	A325	3/4"	1 3/4"		EC-5	4	A325	5/8"	1 1/2"
SP-3	2	4	0	A325	3/4"	1 3/4"		EC-4	4	A325	5/8"	1 1/2"

FLANGE BRACE TABLE					
▽ ID	# SIDES	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB77	L3X3X1/4	6'-5"	4'-4"
2	1	FB60	L3X3X1/4	5'-0"	3'-4"
3	1	FB43	L2X2X1/8	3'-7"	2'-4"
4	1	FB37	L2X2X1/8	3'-1"	2'-4"

MEMBER TABLE		Web Depth		Web Plate		Outside Flange		Inside Flange	
Mark	Length	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	W x Thk x Length
RF4-1	374.8	8.0/14.0	0.135	76.2	10 x 3/8" x 373.8	10 x 3/8" x 28.4	10 x 3/8" x 373.8	10 x 3/8" x 28.4	10 x 3/8" x 316.2
RF4-2	111.9	14.0/33.0	0.135	239.0	6 x 1/4" x 111.1	6 x 1/4" x 388.6	6 x 1/4" x 111.1	6 x 1/4" x 388.6	6 x 1/4" x 111.5
RF4-3	389.3	33.0/27.9	0.250	61.0	6 x 1/4" x 111.1	6 x 1/4" x 388.6	6 x 1/4" x 111.1	6 x 1/4" x 388.6	6 x 1/4" x 165.9
RF4-4	123.4	57.0/47.0	0.250	177.2	6 x 1/4" x 61.5	6 x 1/4" x 388.6	6 x 1/4" x 61.5	6 x 1/4" x 388.6	6 x 1/4" x 223.8
RF4-5	389.3	46.9/32.0	0.250	177.2	6 x 1/4" x 61.5	6 x 1/4" x 388.6	6 x 1/4" x 61.5	6 x 1/4" x 388.6	6 x 1/4" x 165.9
RF4-6	111.9	31.2/18.0	0.135	211.4	6 x 1/4" x 111.1	6 x 1/4" x 388.6	6 x 1/4" x 111.1	6 x 1/4" x 388.6	6 x 1/4" x 111.5
RF4-7	374.8	18.0/23.1	0.135	122.6	10 x 3/8" x 28.4	10 x 3/8" x 373.8	10 x 3/8" x 28.4	10 x 3/8" x 373.8	10 x 3/8" x 316.2
EC-6	365.1	14.0/ 8.0	0.135	76.2	W18X35				
EC-5	400.3				W18X35				
EC-4	365.1				W18X35				

BASE PLATE TABLE			
Col Mark	Plate Width	Plate Thick	Plate Size Length
BP-1	10"	5/8"	9 3/4"
BP-2	6"	1/2"	1'-6 1/2"

**TRIDENT**  
BUILDING SYSTEMS INC.

2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
FLORIDA P.E. # 65849

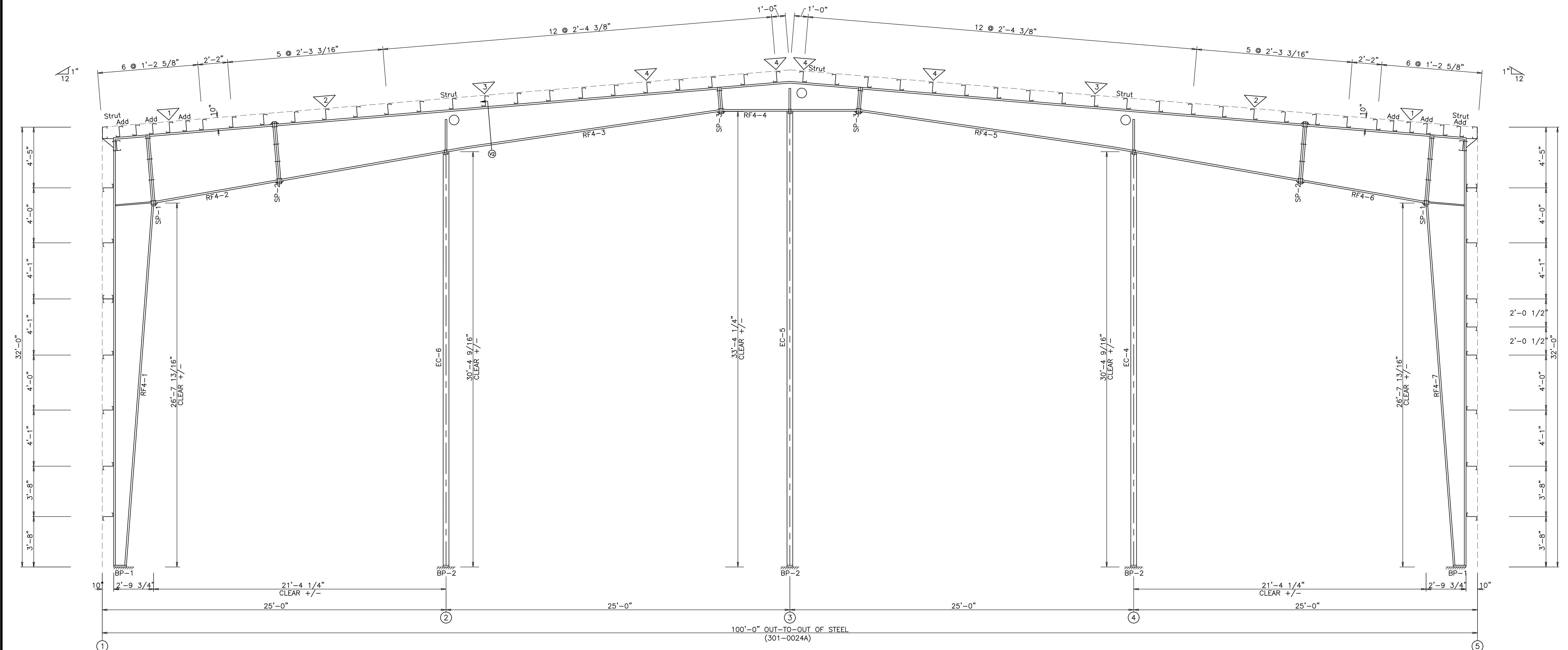
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
FRAME CROSS SECTION: FRAME LINE J  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

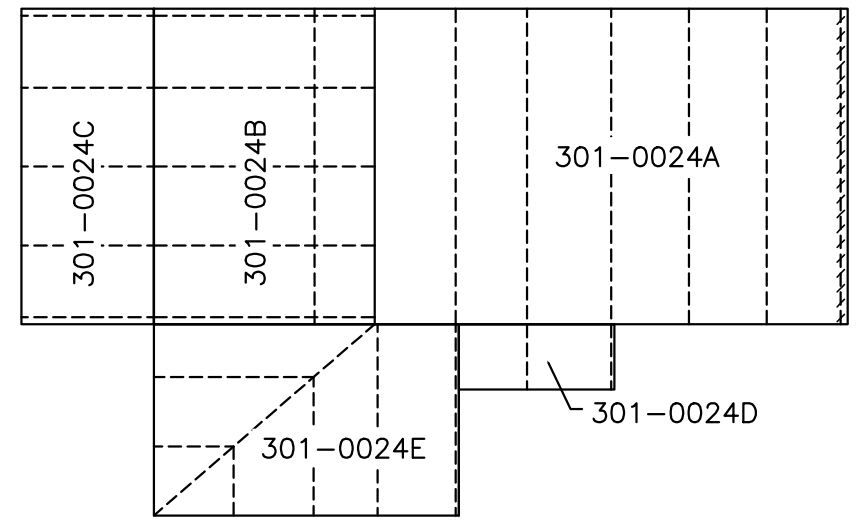
REVISIONS	DATE
FOR APPROVAL	5.07.21
HDM	
SIGNED & SEALED FOR PERMIT	7.6.21
TDB	

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E22

SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243



FRAME CROSS SECTION: FRAME LINE J



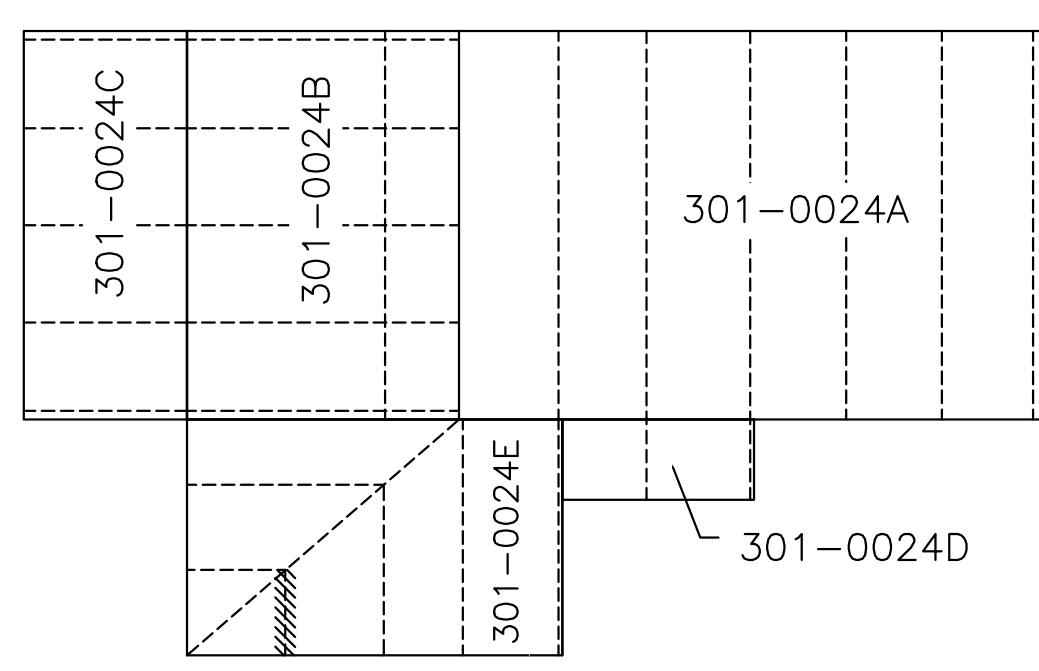
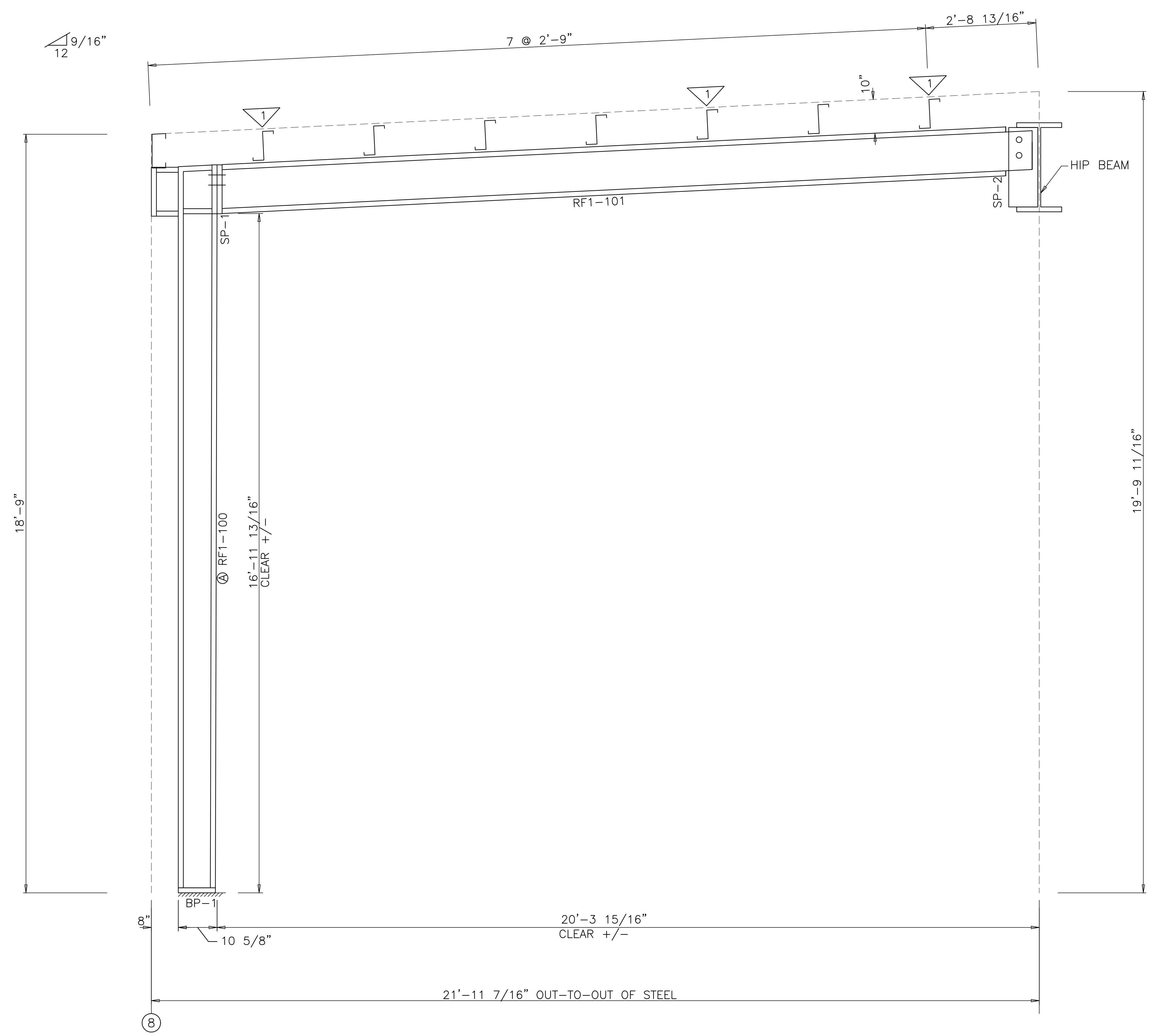
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SPLICE BOLT TABLE						
Mark	Qty		Type	Dia	Length	
	Top	Bot			Int	Ext
SP-1	4	0	A325	3/4"	1	3/4"
SP-2	0	0	A325	3/4"	1	3/4"

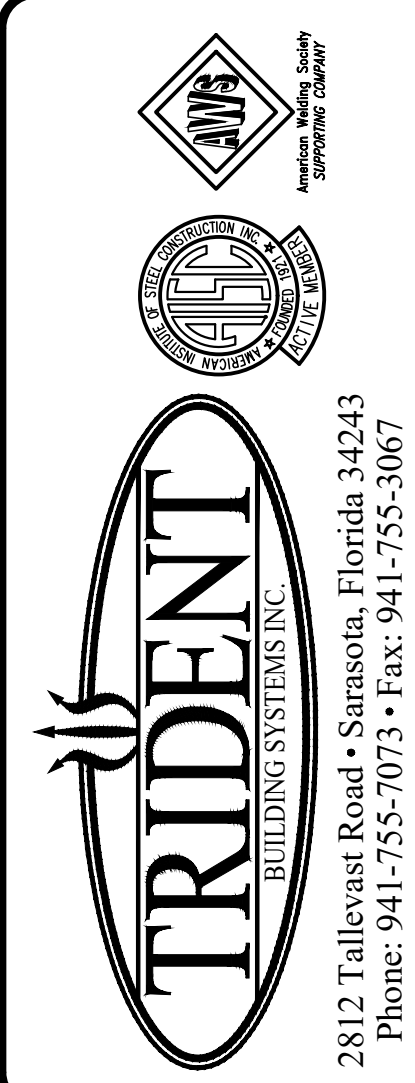
FLANGE BRACE TABLE					
▽ ID	# SIDES	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB31	L2X2X1/8	2'-7"	2'-4"

MEMBER TABLE						
Mark	Length	Web Depth		Web Plate		Outside Flange W x Thk x Length
		Start/End	Thick	Length	Length	
RF1-100	215.4	8.0/10.0	0.135	215.1		6 x 5/16" x 214.6
RF1-101	224.2	11.5/11.5	0.135	224.0		6 x 5/16" x 10.3 6 x 1/4" x 223.5

BASE PLATE TABLE				
Col Mark	Plate Size		Length	
	Width	Thick	Top	Bot
BP-1	6"	1/2"	9	5/8"



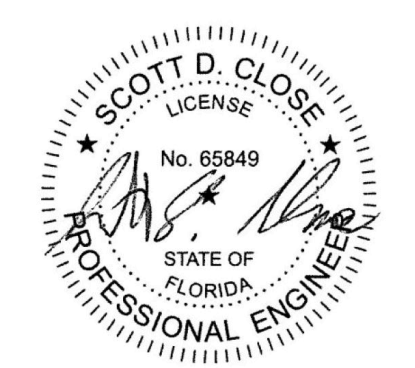
SHORT JACK BEAM ELEVATION: FRAME LINE B1



DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
 FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
 RIGID FRAME ELEVATION: FRAME LINE B1  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB



SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E23

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

FLANGE BRACE TABLE					
▽ ID	#	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB35	L2X2X1/8	2'-11"	2'-4"
2	1	FB34	L2X2X1/8	2'-10"	2'-4"

MEMBER TABLE						
Mark	Length	Web Depth	Web	Plate	Outside Flange	Inside Flange
		Start/End	Thick	Length	W x Thk x Length	W x Thk x Length
RF1-102	215.1	8.0/10.0	0.135	214.7	6 x 1/4" x 214.2 6 x 1/4" x 10.2	6 x 1/4" x 195.3
RF1-104	467.2	19.0/18.0 18.0/17.0	0.135 0.135	239.0 228.4	6 x 1/2" x 466.5	6 x 1/2" x 466.6

BASE PLATE TABLE			
Col	Plate Size	Length	
Mark	Width	Thick	Length
BP-1	6"	5/8"	9 1/2"

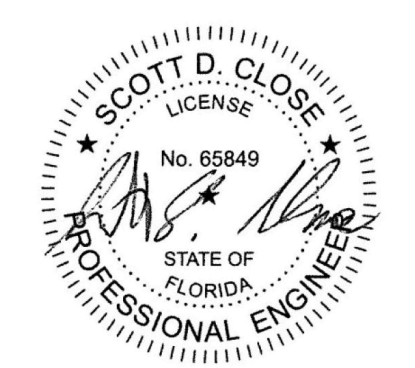
**TRIDENT**  
BUILDING SYSTEMS INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
FLORIDA P.E. # 65849  
FABRICATION AND ERECTION  
DRAWINGS WERE PREPARED UNDER  
THE RESPONSIBLE SUPERVISION  
OF THE SPECIALTY ENGINEER  
SHOWN ABOVE.

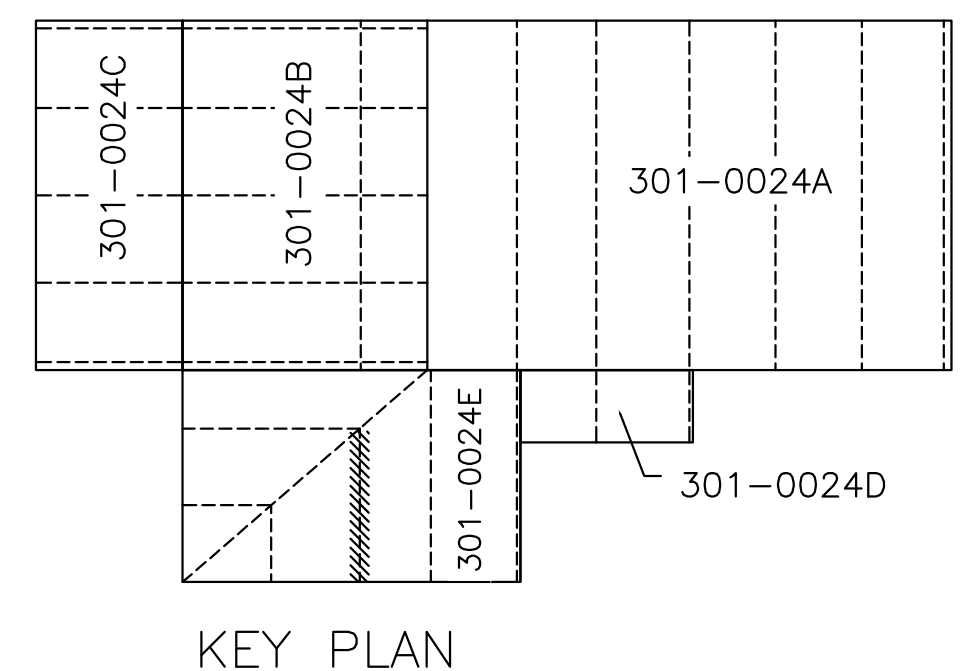
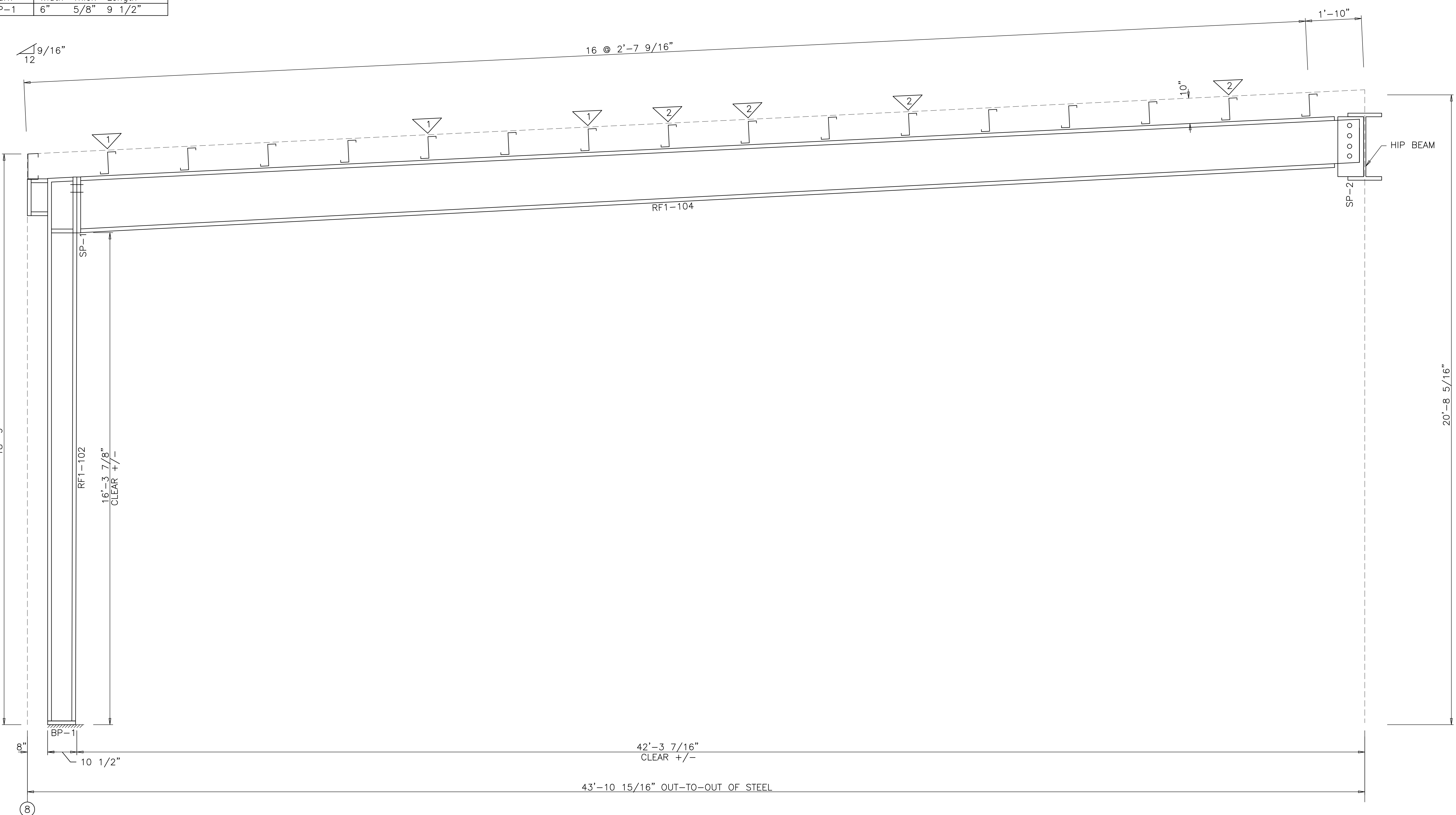
IRC HHW  
INDIAN RIVER, FLORIDA  
RIGID FRAME ELEVATION: FRAME LINE C  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E24



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FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243



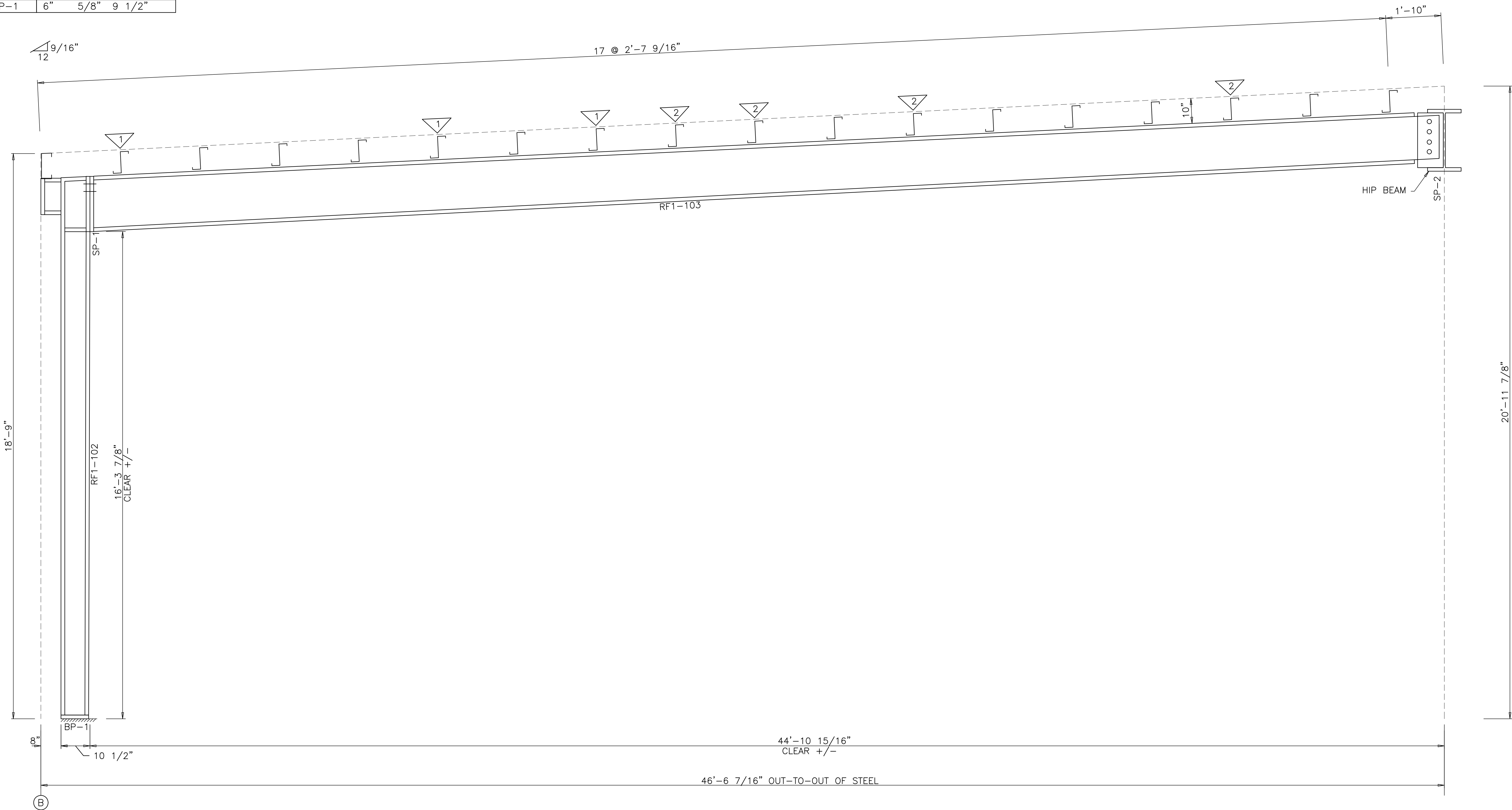
LONG JACK BEAM ELEVATION: FRAME LINE C

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

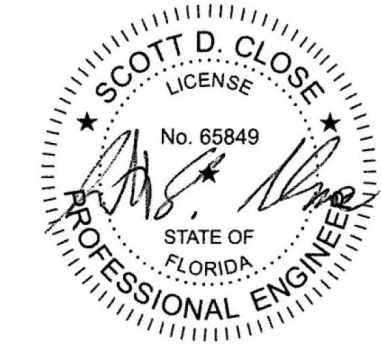
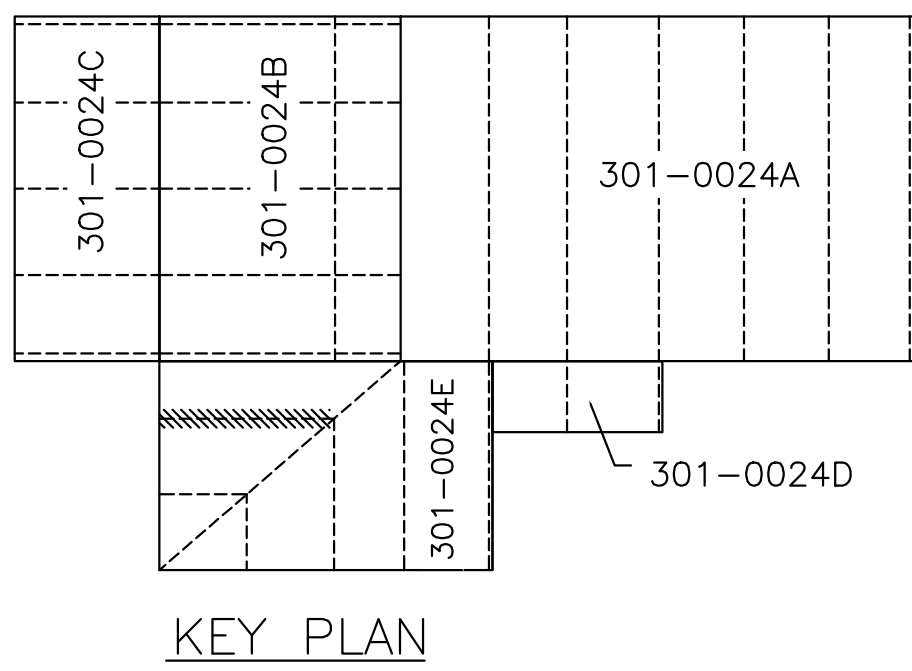
FLANGE BRACE TABLE					
∇ ID	# SIDES	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB35	L2X2X1/8	2'-11"	2'-4"
2	1	FB34	L2X2X1/8	2'-10"	2'-4"

MEMBER TABLE						
Mark	Length	Web Depth Start/End	Web Thick	Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-102	215.1	8.0/10.0	0.135	--	6 x 1/4" x -- 6 x 1/4" x --	6 x 1/4" x --
RF1-103	467.2	19.0/18.0 18.0/17.0	0.135 0.135	-- --	6 x 1/2" x --	6 x 1/2" x --

BASE PLATE TABLE			
Col Mark	Plate Width	Plate Thick	Plate Length
BP-1	6"	5/8"	9 1/2"



LONG JACK BEAM ELEVATION: FRAME LINE 6.1



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
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SARASOTA, FL 34243

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BUILDING SYSTEMS INC.  
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Phone: 941-755-7073 • Fax: 941-755-3067

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**SCOTT D. CLOSE**  
FLORIDA P.E.# 65849  
FABRICATION AND ERECTION  
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OF THE SPECIALTY ENGINEER  
SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
RIGID FRAME ELEVATION: FRAME LINE 5.7  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21

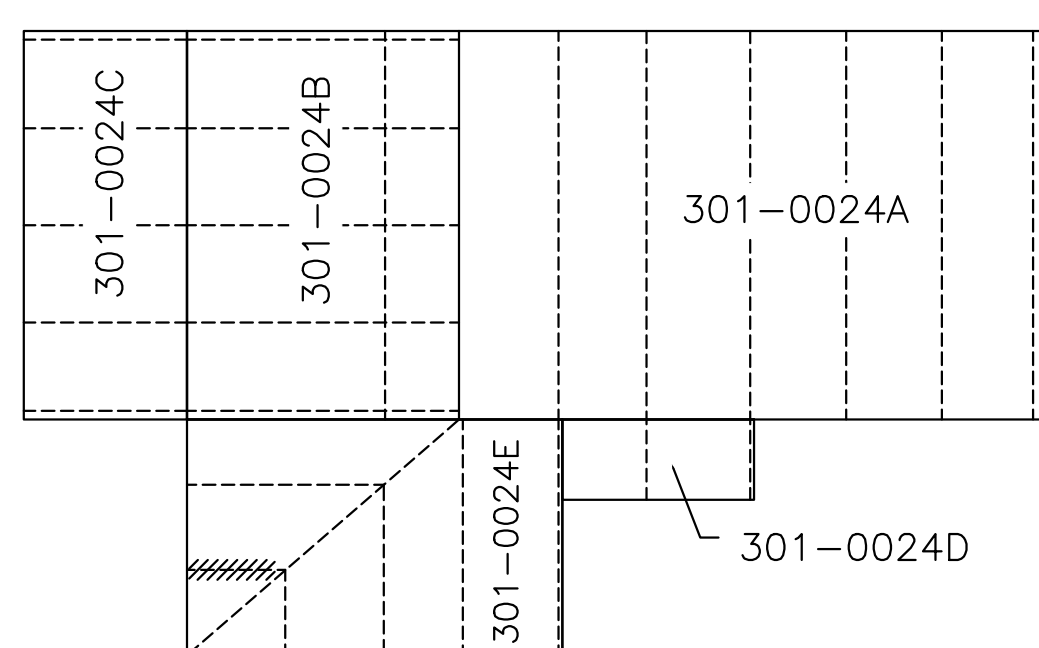
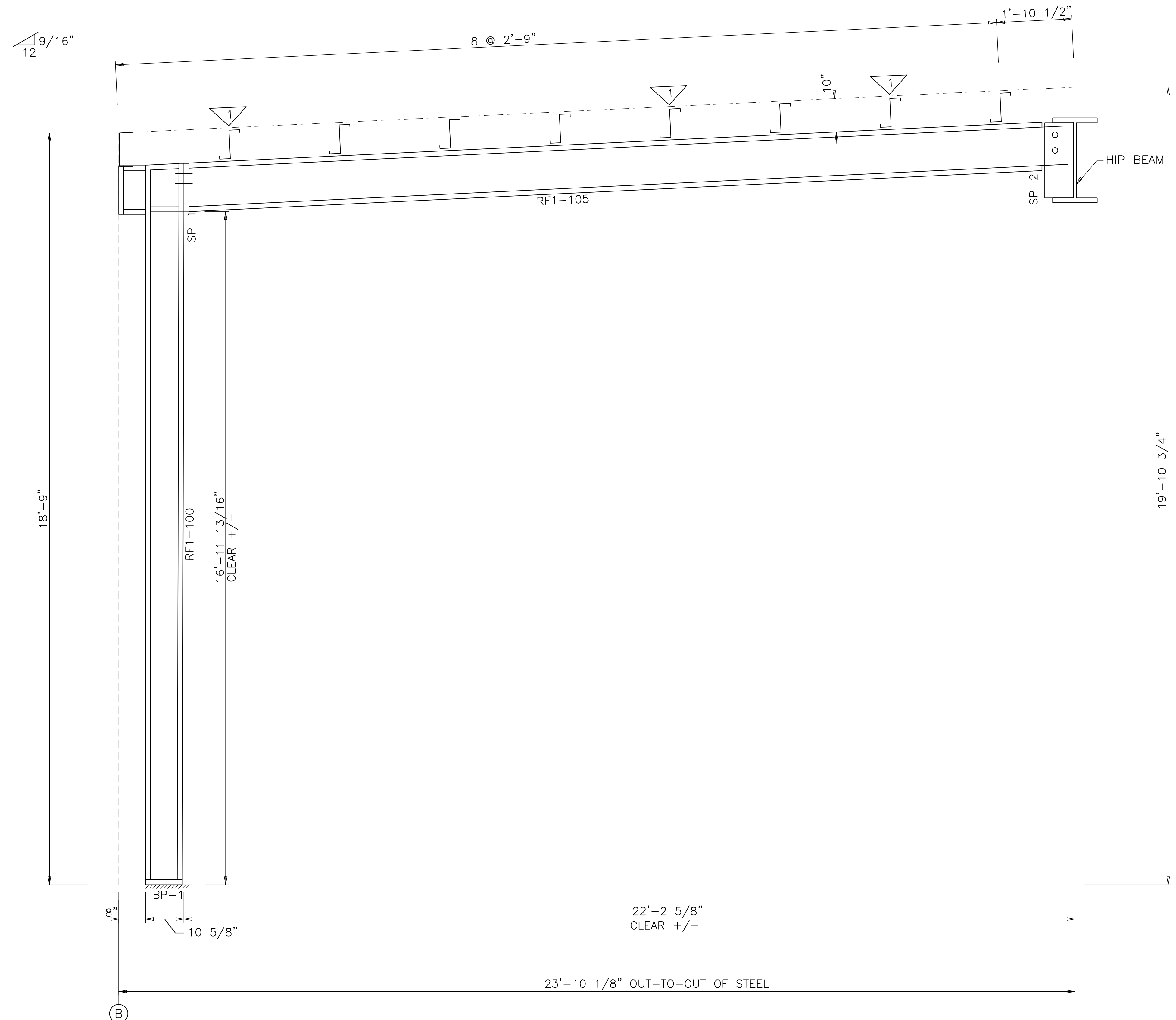
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E25

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

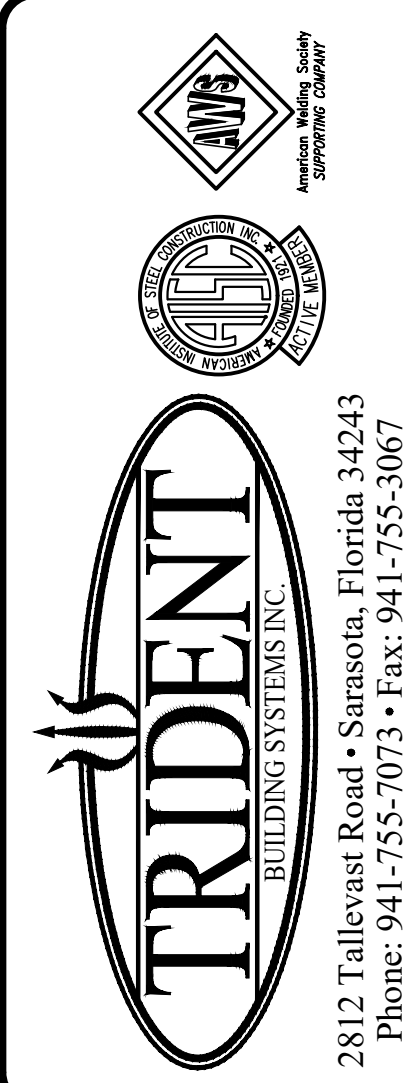
FLANGE BRACE TABLE					
▽ ID	# SIDES	MARK	PART	LENGTH	BRACE DISTANCE
1	1	FB31	L2X2X1/8	2'-7"	2'-4"

MEMBER TABLE									
Mark	Length	Web Depth		Web Plate		Outside Flange		Inside Flange	
		Start/End	Thick	Length	W x Thk x Length	W x Thk x Length			
RF1-100	215.4	8.0/10.0	0.135	--	6 x 5/16" x --	6 x 5/16" x --			
RF1-105	224.2	11.5/11.5	0.135	--	6 x 5/16" x 10.3	6 x 1/4" x --	6 x 1/4" x --		

BASE PLATE TABLE				
Col Mark	Plate Size			Length
	Width	Thick	Length	
BP-1	6"	1/2"	9 5/8"	



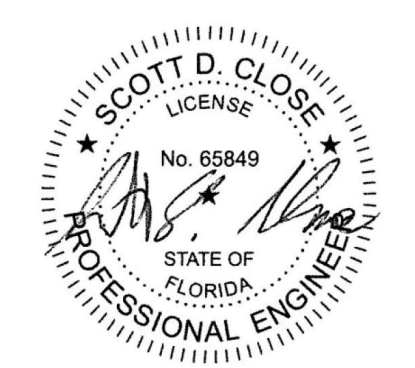
SHORT JACK BEAM ELEVATION: FRAME LINE 7



DESIGN PROVIDED BY :  
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IRC HHW  
 INDIAN RIVER, FLORIDA  
 RIGID FRAME ELEVATION: FRAME LINE 7  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
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 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

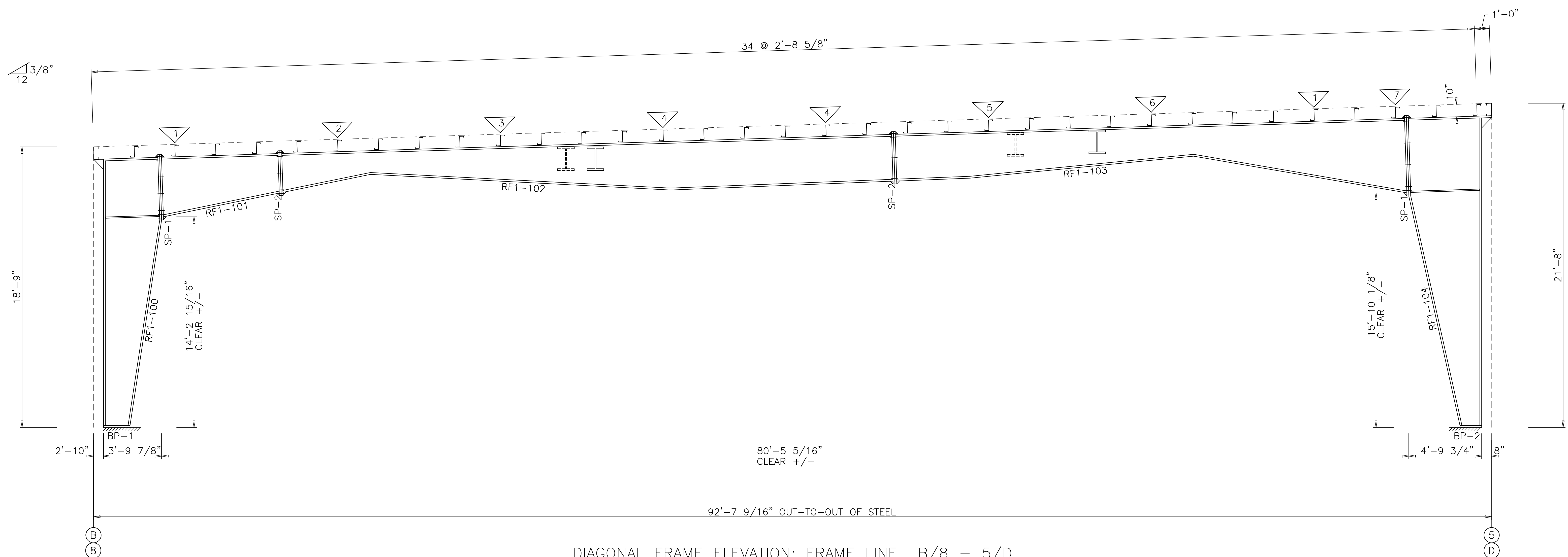
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E26

SPLICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Dia
SP-1	4	6	4	A325	1"	2 3/4"
SP-2	4	4	2	A325	1"	2 1/2"

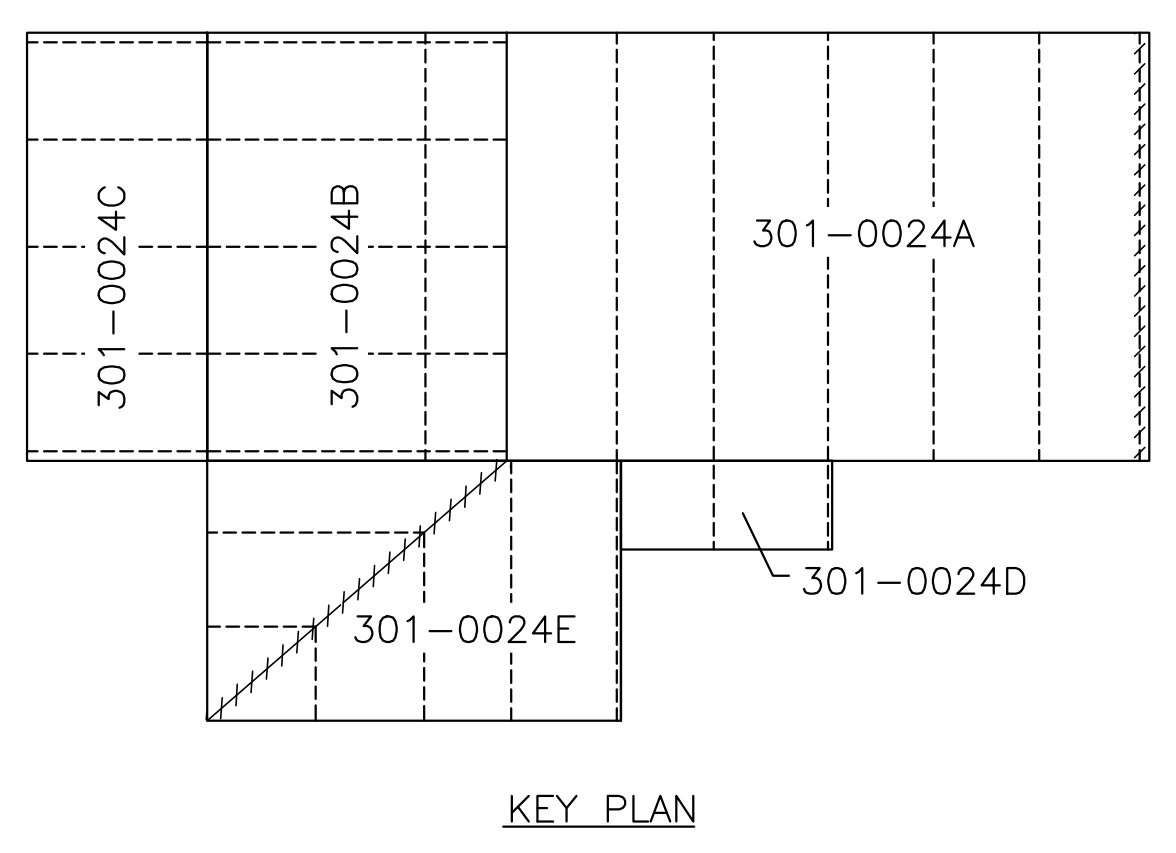
BASE PLATE TABLE			
Col Mark	Plate Size	Width	Thick
BP-1	10"	3/4"	1'-7 7/8"
BP-2	10"	3/4"	1'-3 3/4"

FLANGE BRACE TABLE					
▽ ID	# SIDES	MARK	PART	LENGTH	BRACE DISTANCE
1	2	FB60	L3X3X1/4	5'-0"	3'-4"
2	1	FB36	L2X2X1/8	3'-0"	2'-4"
3	2	FB39	L2X2X1/8	3'-3"	2'-4"
4	2	FB55	L2X2X1/8	4'-7"	3'-4"
5	2	FB53	L2X2X1/8	4'-5"	3'-4"
6	2	FB38	L2X2X1/8	3'-2"	2'-4"
7	2	FB78	L3X3X1/4	6'-6"	4'-4"

MEMBER TABLE									
Mark	Length	Web Depth		Web Plate		Outside Flange		Inside Flange	
		Start/End	Thick	Length	W x Thk x Length	W x Thk x Length			
RF1-100	215.2	18.0/45.0	0.188	166.2	10 x 3/8" x 214.1	10 x 1/2" x 168.3			
RF1-101	96.9	45.0/28.5	0.250	95.6	10 x 3/8" x 95.6	10 x 3/8" x 96.9			
RF1-102	492.0	28.3/17.0	0.250	83.4	10 x 3/8" x 466.8	10 x 3/8" x 72.4			
		17.0/36.0	0.188	228.0	10 x 3/8" x 24.0	10 x 3/8" x 240.8			
		36.0/35.9	0.188	12.0		10 x 3/8" x 179.4			
		35.9/34.5	0.188	167.4					
RF1-103	411.6	34.5/34.0	0.188	71.4	10 x 3/8" x 410.2	10 x 3/8" x 59.4			
		33.2/24.5	0.188	180.0		10 x 3/8" x 180.3			
		24.5/57.0	0.250	158.9		10 x 3/8" x 174.4			
RF1-104	249.7	58.9/57.0	0.375	63.2	10 x 3/8" x 67.3	10 x 3/8" x 190.3			
		57.0/14.0	0.250	185.5	10 x 3/8" x 248.6				



DIAGONAL FRAME ELEVATION: FRAME LINE B/8 - 5/D



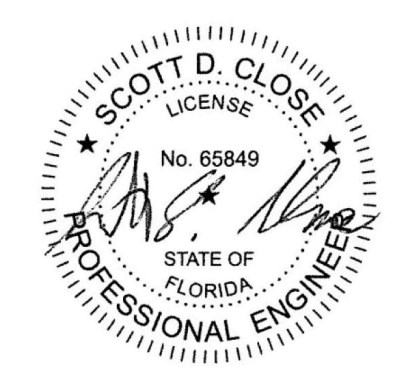
**TRIDENT** BUILDING SYSTEMS INC.
   
 2812 Tallevast Road • Sarasota, Florida 34243
   
 Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY :
   
**SCOTT D. CLOSE**
  
 FLORIDA P.E. # 65849
   
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW
   
 INDIAN RIVER, FLORIDA
   
**DIAGONAL FRAME ELEVATION: FRAME LINE B/8**
  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	DATE
A	5.07.21
B	7.6.21

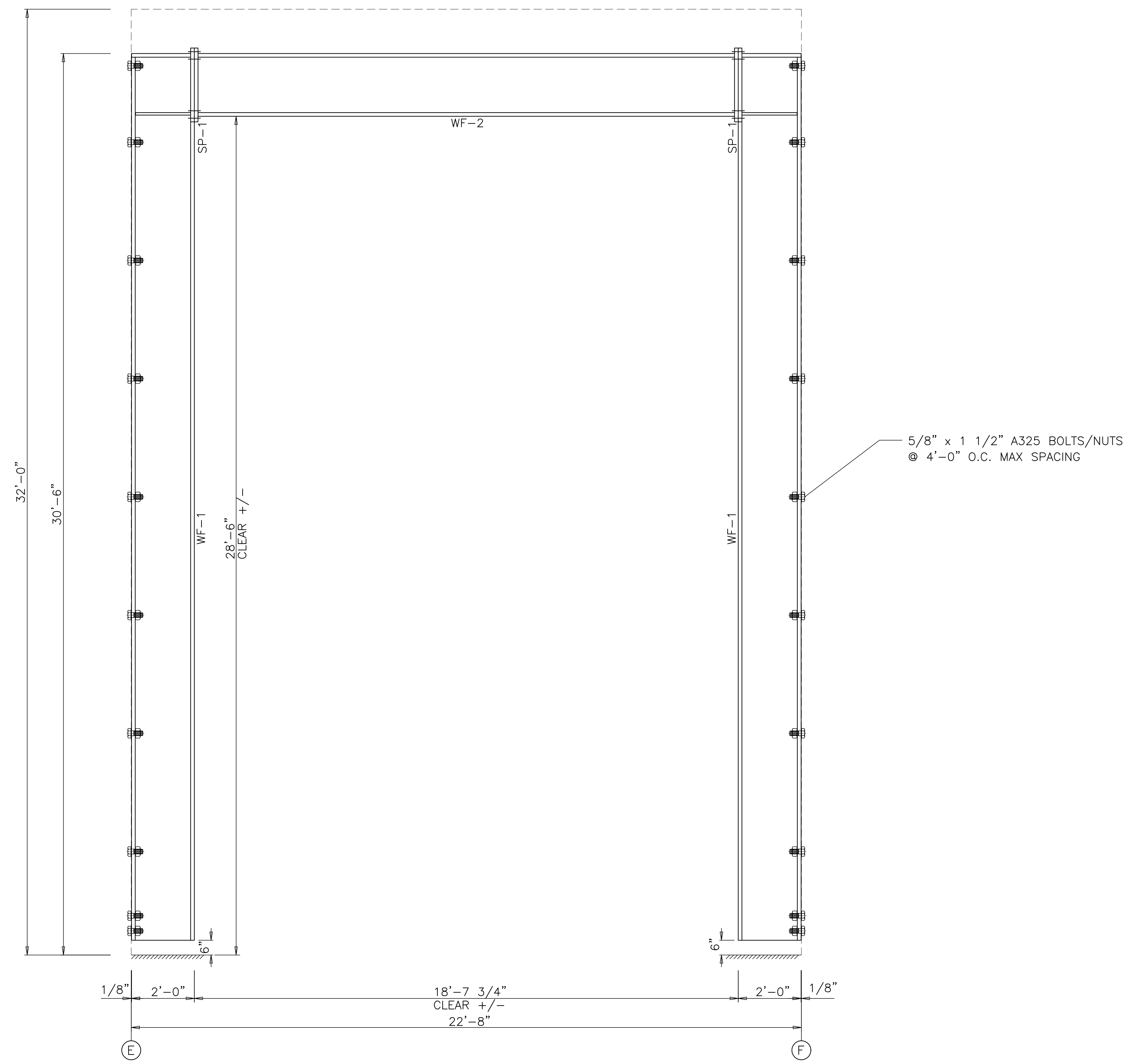
DRAWING DATE: 5.07.21
   
 DRAWN BY: HDM
   
 CHECKED BY: SVW
   
 DRAWING SCALE: N.T.S.
   
 JOB NO.: 21-020-04
   
 SHEET: E27



SCOTT D. CLOSE, P.E.
   
 FL LICENSE NO. 65849
   
 2812 TALLEVAST ROAD
   
 SARASOTA, FL 34243

SPlice BOLTS					
Splice Mark	Quan	Type	Dia	Bolt Length	
	Top/Bot				
SP-1	4	4	A325	3/4"	2 1/2"

MARK	MEMBER SIZE TABLE (in)		OUTSIDE FLANGE W x T x LENGTH	INSIDE FLANGE W x T x LENGTH
	WEB DEPTH START/END	WEB PLATE THICK LENGTH		
WF-1	22.5/22.5	0.500 360.0	10 x 3/4" x 360.0	10 x 3/4" x 360.0
WF-2	22.5/22.5	0.375 223.8	8 x 3/4" x 223.8	8 x 3/4" x 223.8



WIND BENT ELEVATION: FRAME LINE 5

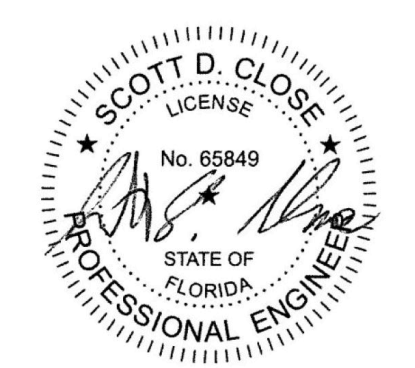
TRIDENT BUILDING SYSTEMS INC.  
2812 Tallevast Road • Sarasota, Florida 34243  
Phone: 941-755-7073 • Fax: 941-755-3067

DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
FLORIDA P.E.# 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
WIND BENT ELEVATION: FRAME LINE 5  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

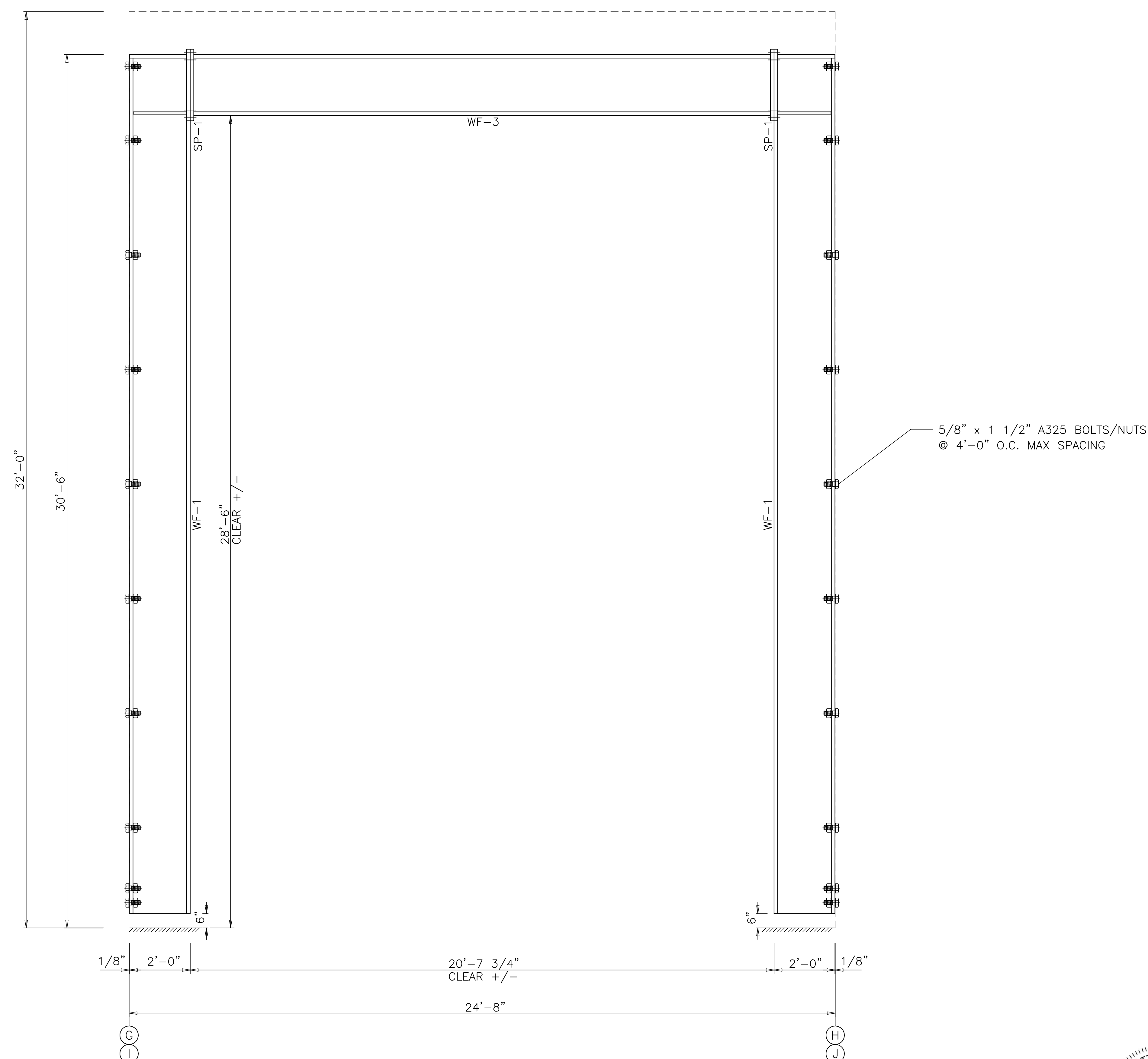
DRAWING DATE  
**5.07.21**  
DRAWN BY  
**HDM**  
CHECKED BY  
**SVW**  
DRAWING SCALE  
**N.T.S.**  
JOB NO.  
**21-020-04**  
SHEET



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

SPlice BOLTS					
Splice Mark	Quan	Top/Bot	Type	Bolt	
				Dia	Length
SP-1	4	4	A325	3/4"	2 1/2"

MARK	MEMBER SIZE TABLE (in)					
	WEB DEPTH		WEB PLATE		OUTSIDE FLANGE	INSIDE FLANGE
	START/END	THICK	LENGTH	W x T x LENGTH	W x T x LENGTH	
WF-1	22.5/22.5	0.500	360.0	10 x 3/4" x 360.0	10 x 3/4" x 360.0	
WF-3	22.5/22.5	0.500	247.8	10 x 3/4" x 247.8	10 x 3/4" x 247.8	



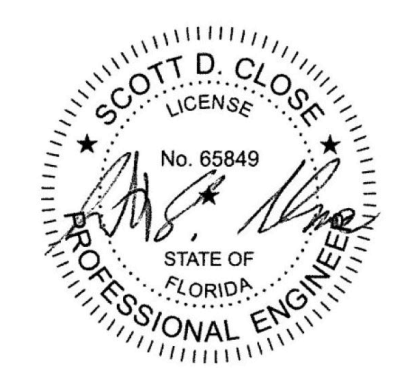
WIND BENT ELEVATION: FRAME LINE 5

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 FLORIDA P.E.# 65849  
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IRC HHW  
 INDIAN RIVER, FLORIDA  
 WIND BENT ELEVATION: FRAME LINE 5  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
NO.	DESCRIPTION	DATE
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21



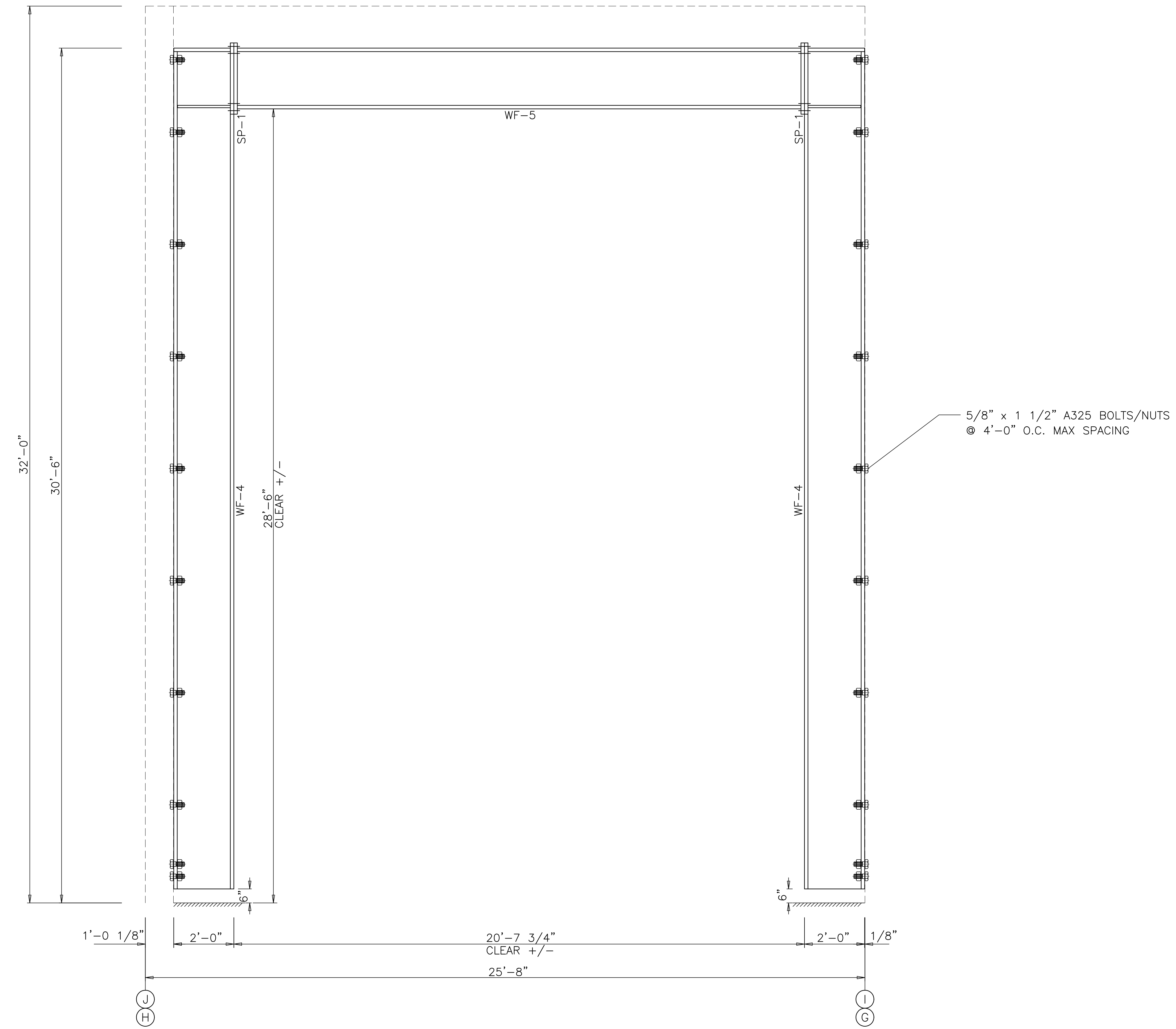
SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243

DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E29



SPlice BOLTS					
Splice Mark	Quan	Top/Bot	Type	Dia	Length
SP-1	4	4	A325	3/4"	2 1/4"

MARK	WEB DEPTH		WEB PLATE		OUTSIDE FLANGE		INSIDE FLANGE	
	START	END	THICK	LENGTH	W x T x LENGTH	W x T x LENGTH	W x T x LENGTH	W x T x LENGTH
WF-4	22.8	22.8	0.375	360.0	8 x 5/8" x 360.0	8 x 5/8" x 360.0	8 x 5/8" x 360.0	8 x 5/8" x 360.0
WF-5	23.0	23.0	0.375	247.8	8 x 1/2" x 247.8	8 x 1/2" x 247.8	8 x 1/2" x 247.8	8 x 1/2" x 247.8



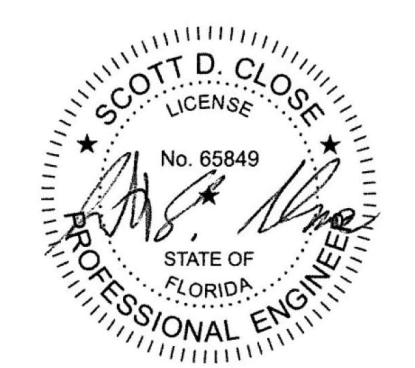
WIND BENT ELEVATION: FRAME LINE 1

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FLORIDA P.E.# 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
WIND BENT ELEVATION: FRAME LINE 1  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

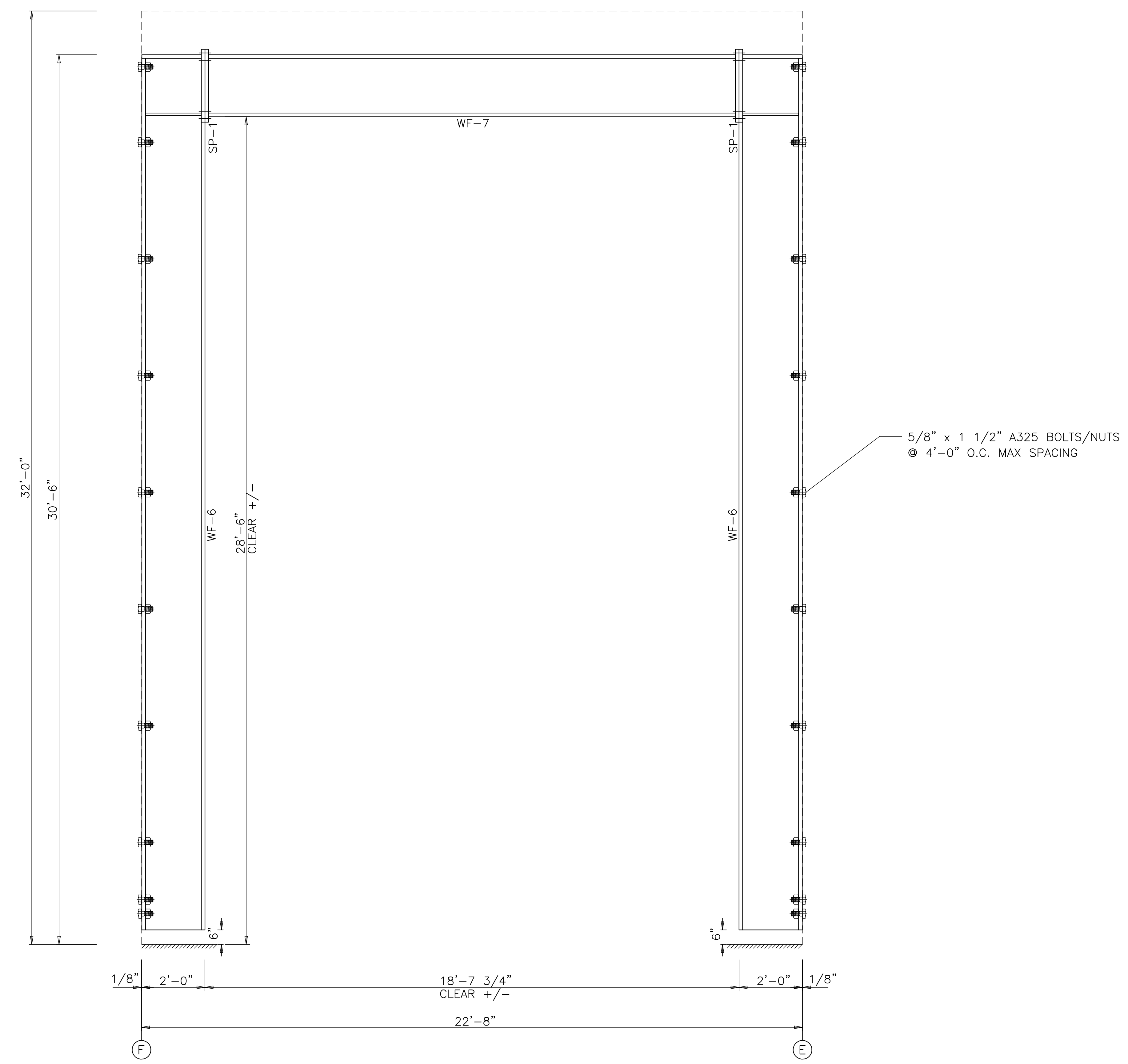


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SARASOTA, FL 34243

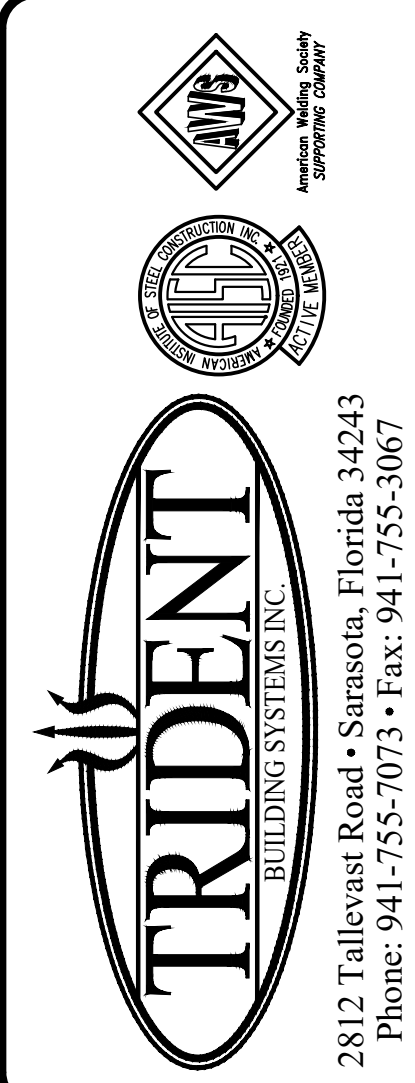
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E30

SPlice BOLTS					
Splice Mark	Quan	Top/Bot	Type	Dia	Length
SP-1	4	4	A325	3/4"	2"

MARK	WEB DEPTH		WEB PLATE		OUTSIDE FLANGE		INSIDE FLANGE	
	START	END	THICK	LENGTH	W x T x LENGTH	W x T x LENGTH	W x T x LENGTH	W x T x LENGTH
WF-6	23.0	23.0	0.375	360.0	8 x 1 1/2" x 360.0	8 x 1 1/2" x 360.0	8 x 1 1/2" x 360.0	8 x 1 1/2" x 360.0
WF-7	22.5	22.5	0.375	223.8	8 x 3/4" x 223.8	8 x 3/4" x 223.8	8 x 3/4" x 223.8	8 x 3/4" x 223.8



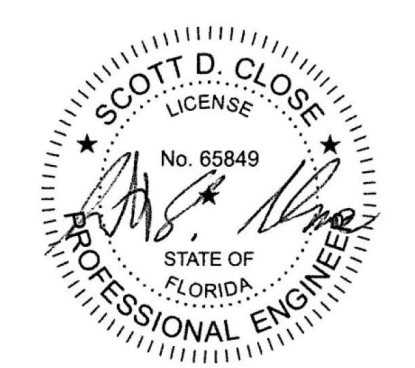
WIND BENT ELEVATION: FRAME LINE 1



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 FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
 INDIAN RIVER, FLORIDA  
 WIND BENT ELEVATION: FRAME LINE 1  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS		
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

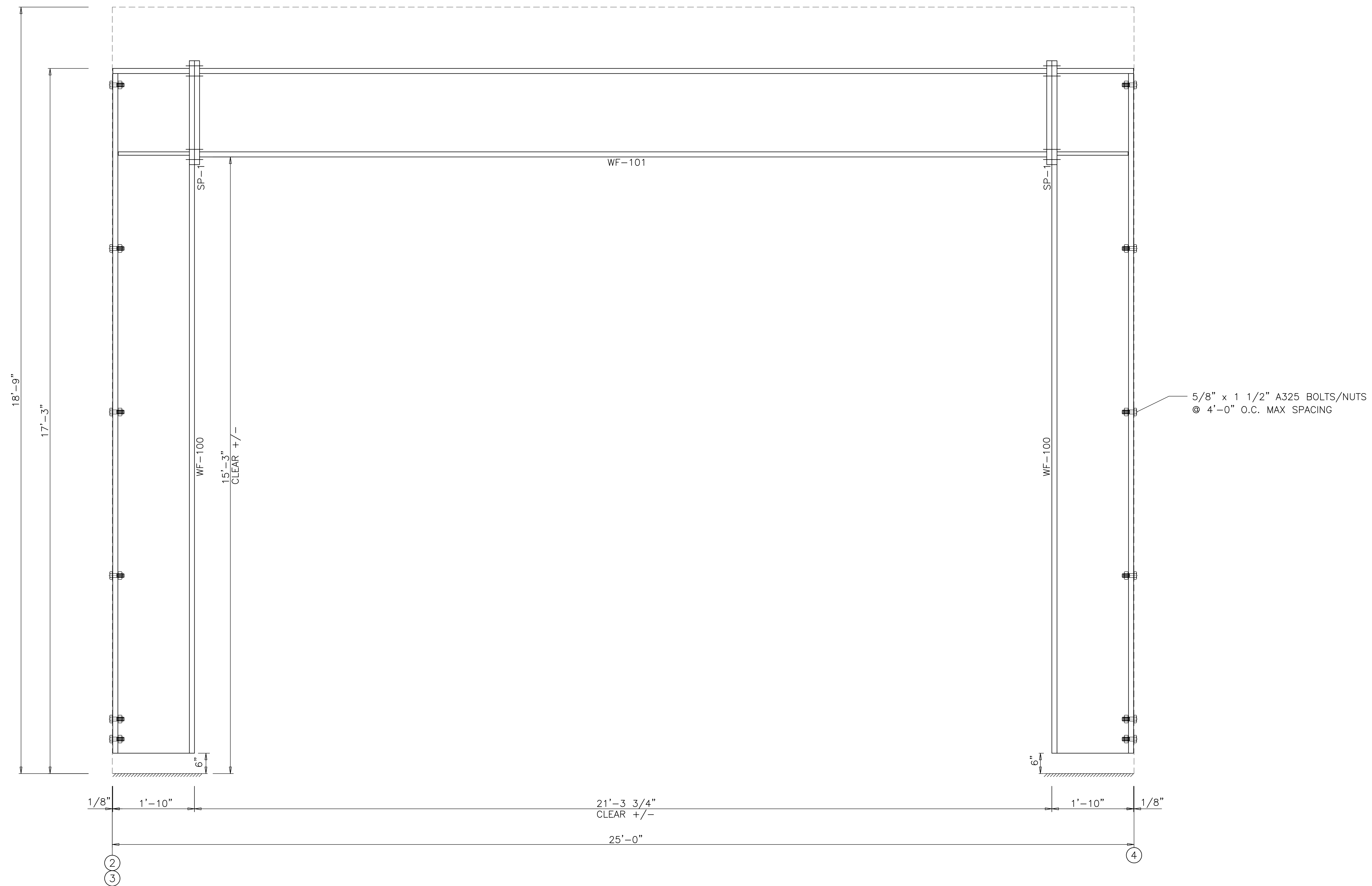


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CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E31

SPlice BOLTS					
Splice Mark	Quan	Type	Dia	Length	
SP-1	4	A325	3/4"	2"	

MARK	MEMBER SIZE TABLE (in)		OUTSIDE FLANGE	INSIDE FLANGE
	WEB DEPTH START/END	WEB PLATE THICK LENGTH	W x T x LENGTH	W x T x LENGTH
WF-100	21.0/21.0	0.375 201.0	8 x 1/2" x 201.0	8 x 1/2" x 201.0
WF-101	23.0/23.0	0.375 255.8	8 x 1/2" x 255.8	8 x 1/2" x 255.8



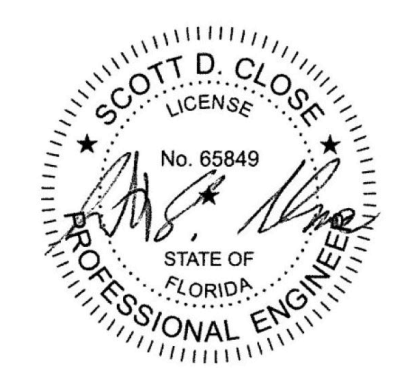
WIND BENT ELEVATION: FRAME LINE B

TRIDENT BUILDING SYSTEMS INC.  
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FLORIDA P.E.# 65849  
FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

IRC HHW  
INDIAN RIVER, FLORIDA  
WIND BENT ELEVATION: FRAME LINE B  
CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

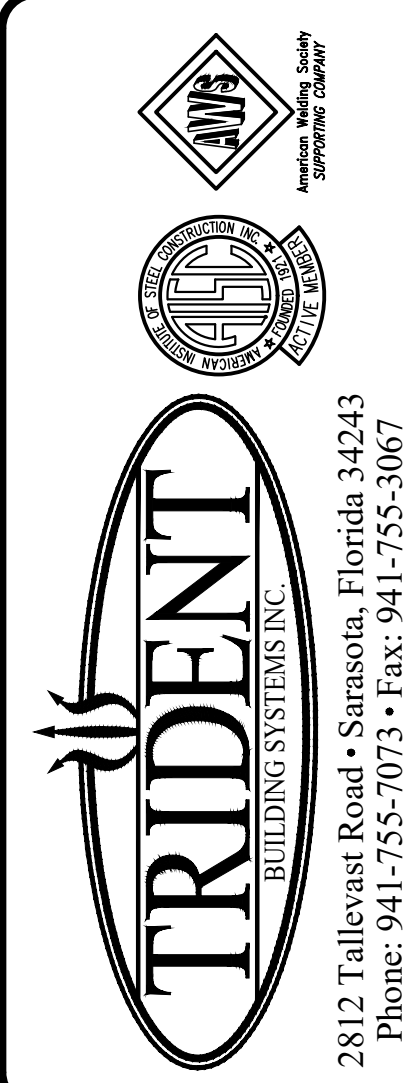
REVISIONS	
A	FOR APPROVAL 5.07.21 HDM
B	SIGNED & SEALED FOR PERMIT 7.6.21 TDB



SCOTT D. CLOSE, P.E.  
FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243

DRAWING DATE	5.07.21
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JOB NO.	21-020-04
SHEET	E32

MEMBER TABLE		
PARTITION 1		
MARK	PART	LENGTH
G-100	W8X10	
G-101	W8X10	
G-102	W8X10	



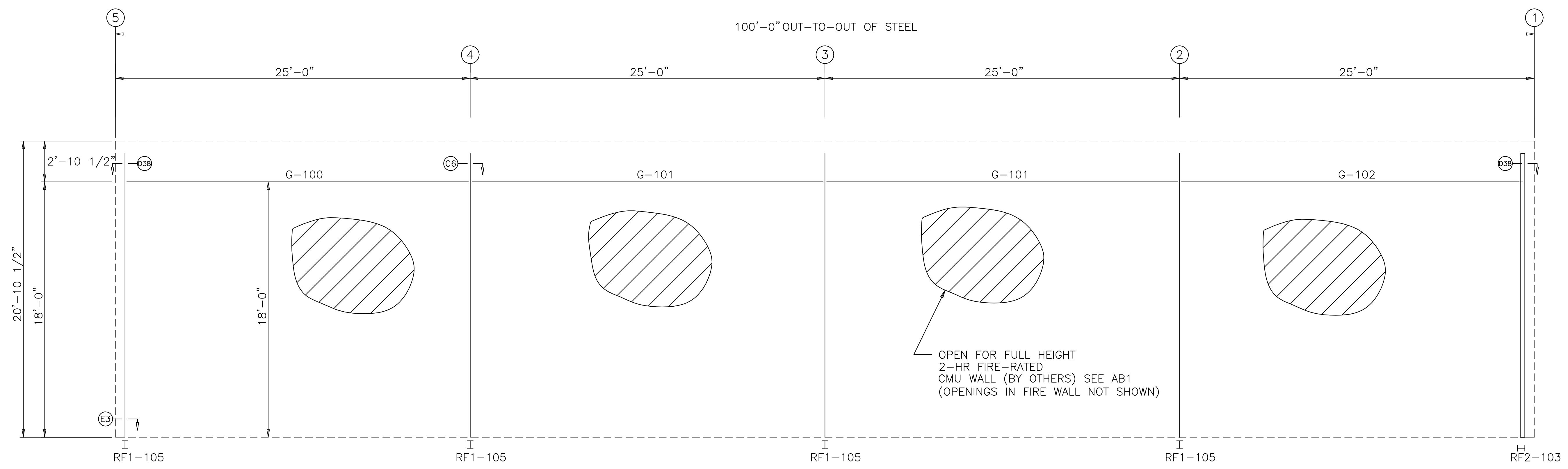
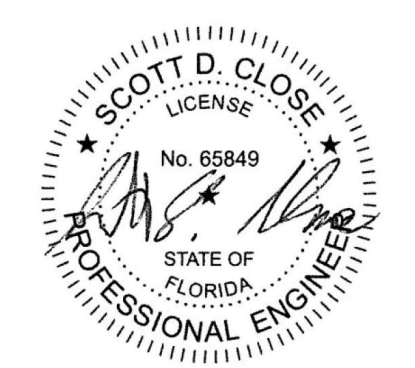
DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # **65849**  
 FABRICATION AND ERECTION  
 DRAWINGS WERE PREPARED UNDER  
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IRC HHW  
 INDIAN RIVER, FLORIDA  
 PARTITION FRAMING  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

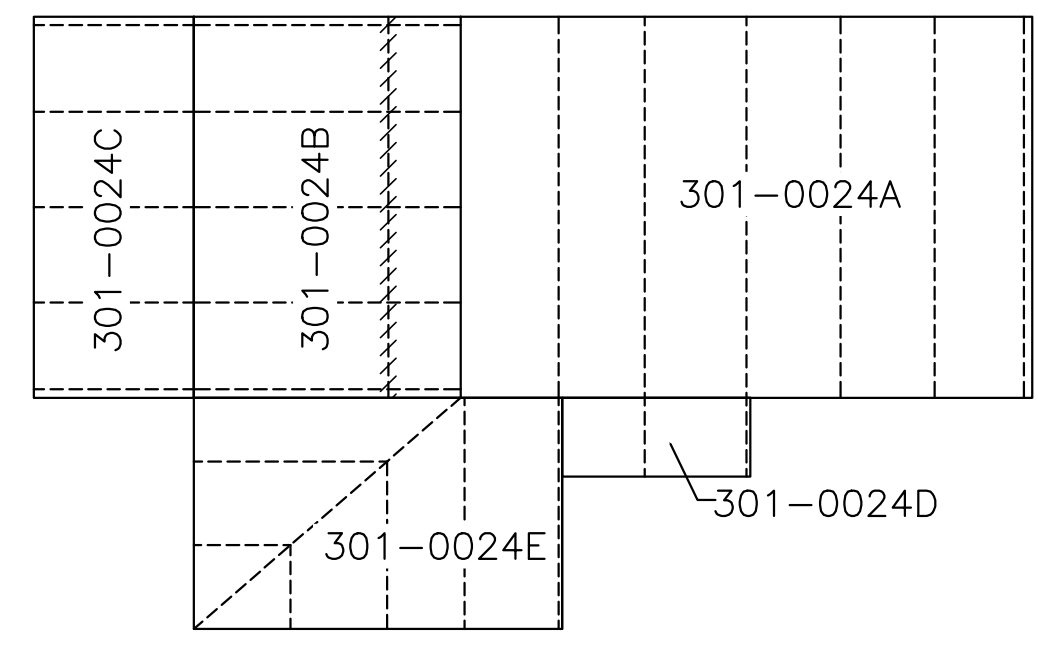
REVISIONS		
A	FOR APPROVAL	5.07.21
B	SIGNED & SEALED FOR PERMIT	7.6.21
		TDB

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DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	E33

SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243



PARTITION FRAMING AT LINE C

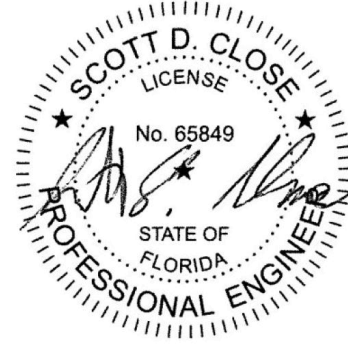


KEY PLAN

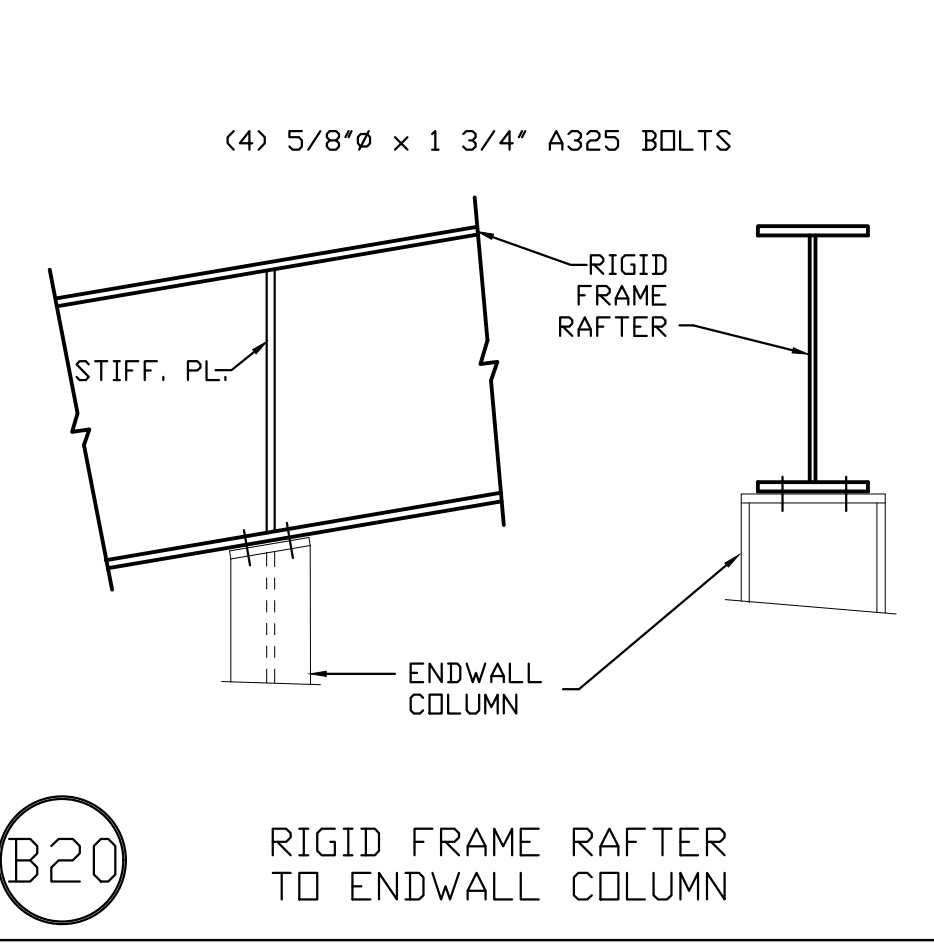
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REVISIONS		DATE
A	FOR APPROVAL	5/07/21
B	SIGNED & SEALED FOR PERMIT	HDM 7.6.21 TDB

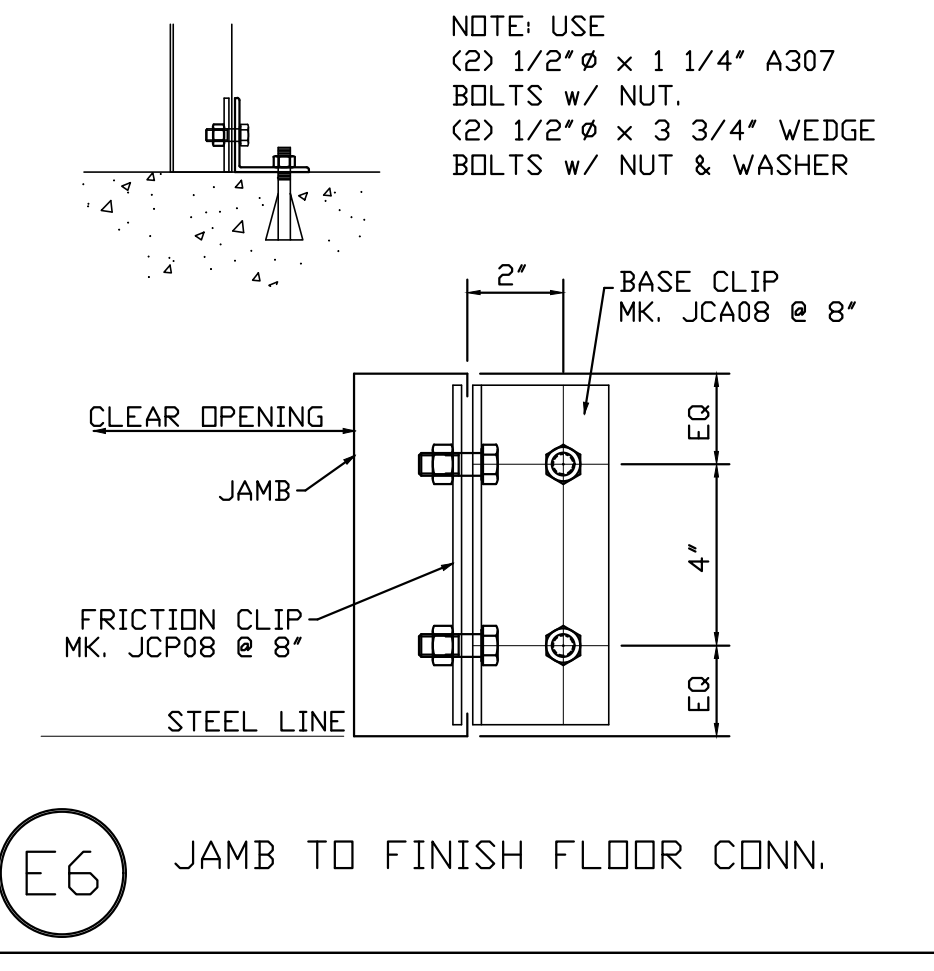
DRAWING DATE	5.07.21
DRAWN BY	HDM
CHECKED BY	SVW
DRAWING SCALE	N.T.S.
JOB NO.	21-020-04
SHEET	D1



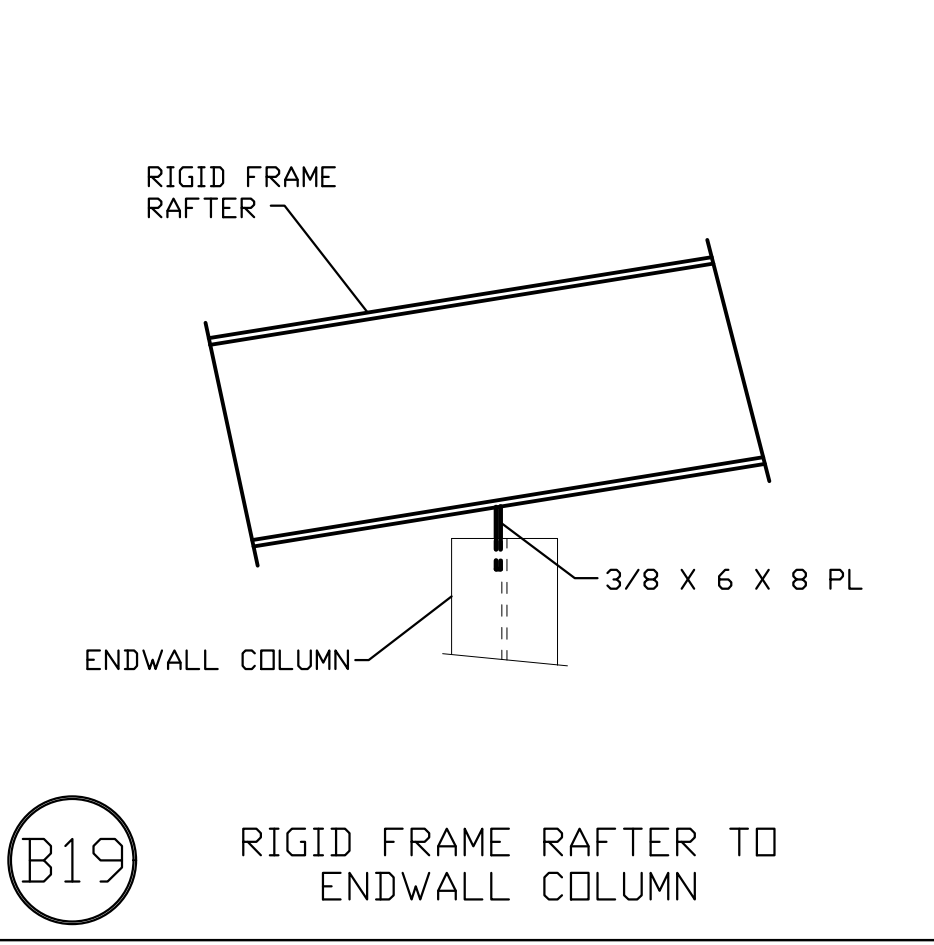
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FL LICENSE NO. 65849  
2812 TALLEVAST ROAD  
SARASOTA, FL 34243



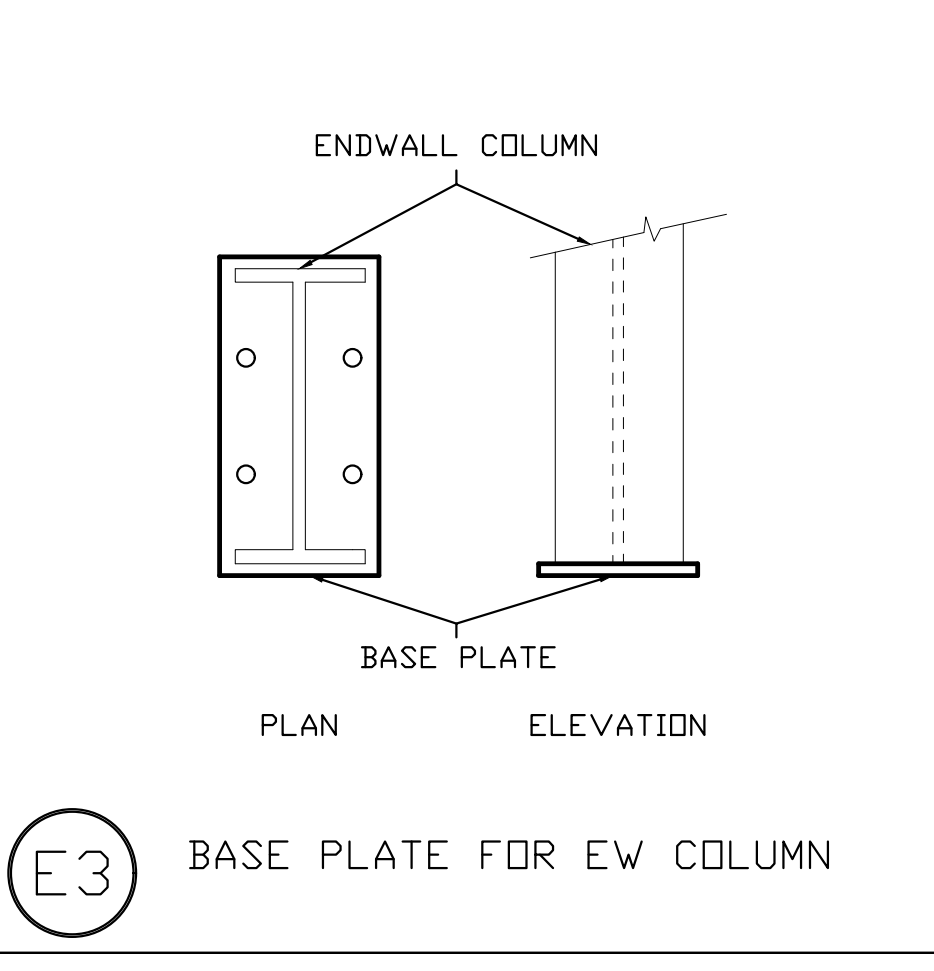
B20 RIGID FRAME RAFTER TO ENDWALL COLUMN



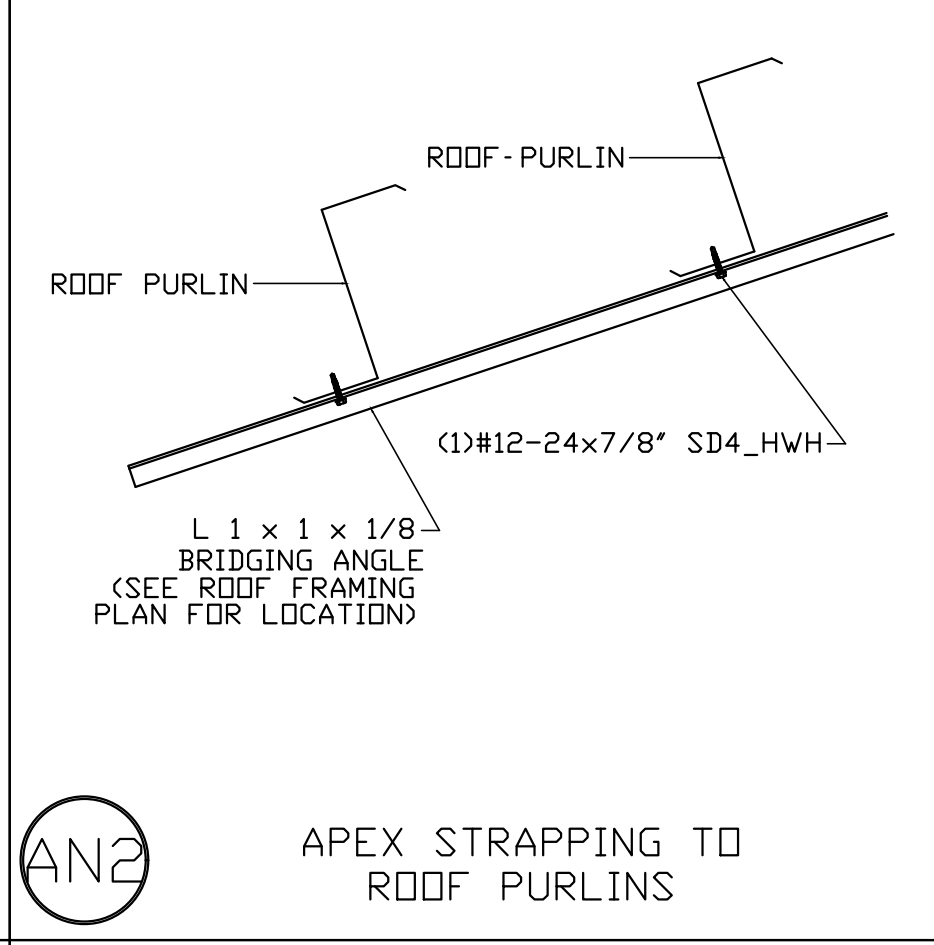
E6 JAMB TO FINISH FLOOR CONN.



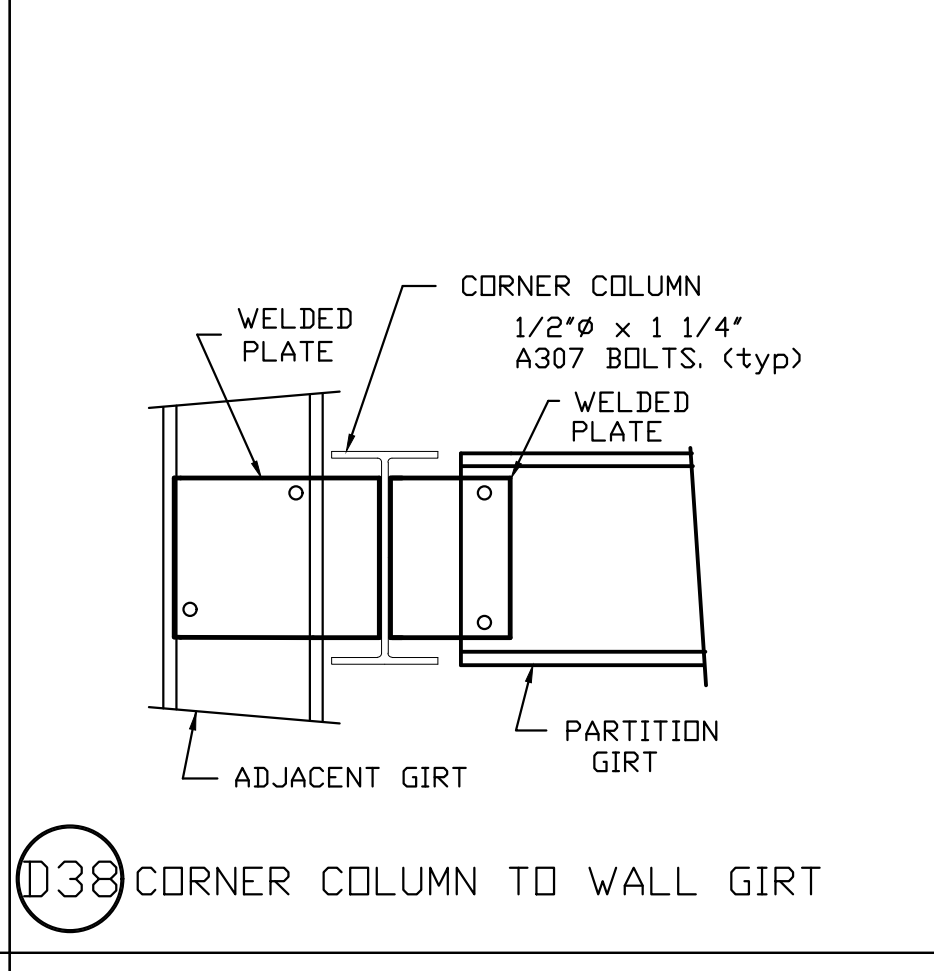
B19 RIGID FRAME RAFTER TO ENDWALL COLUMN



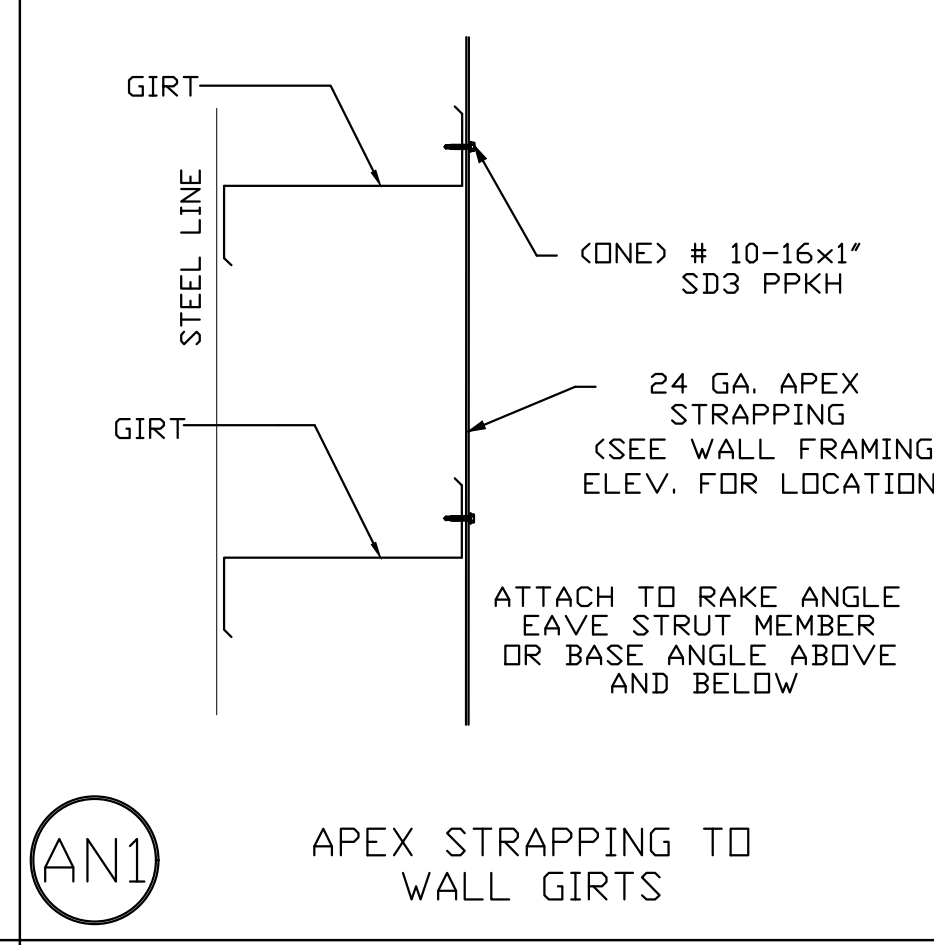
E3 BASE PLATE FOR EW COLUMN



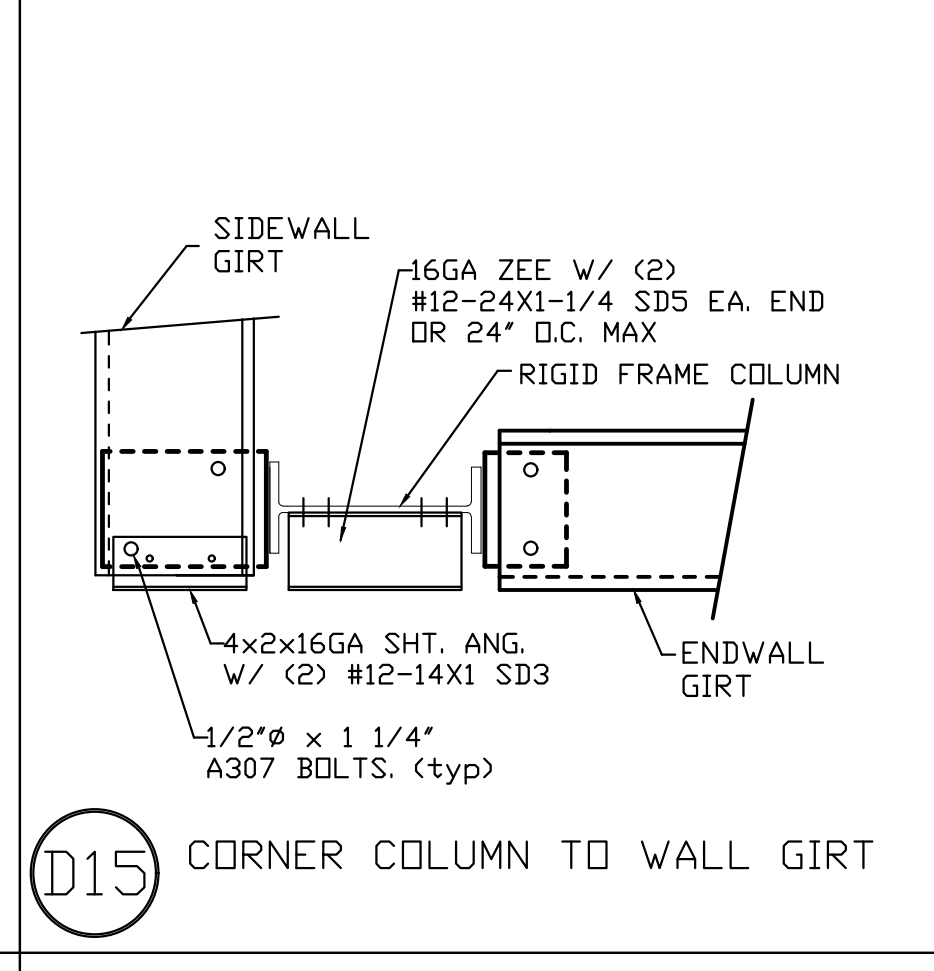
AN2 APEX STRAPPING TO ROOF PURLINS



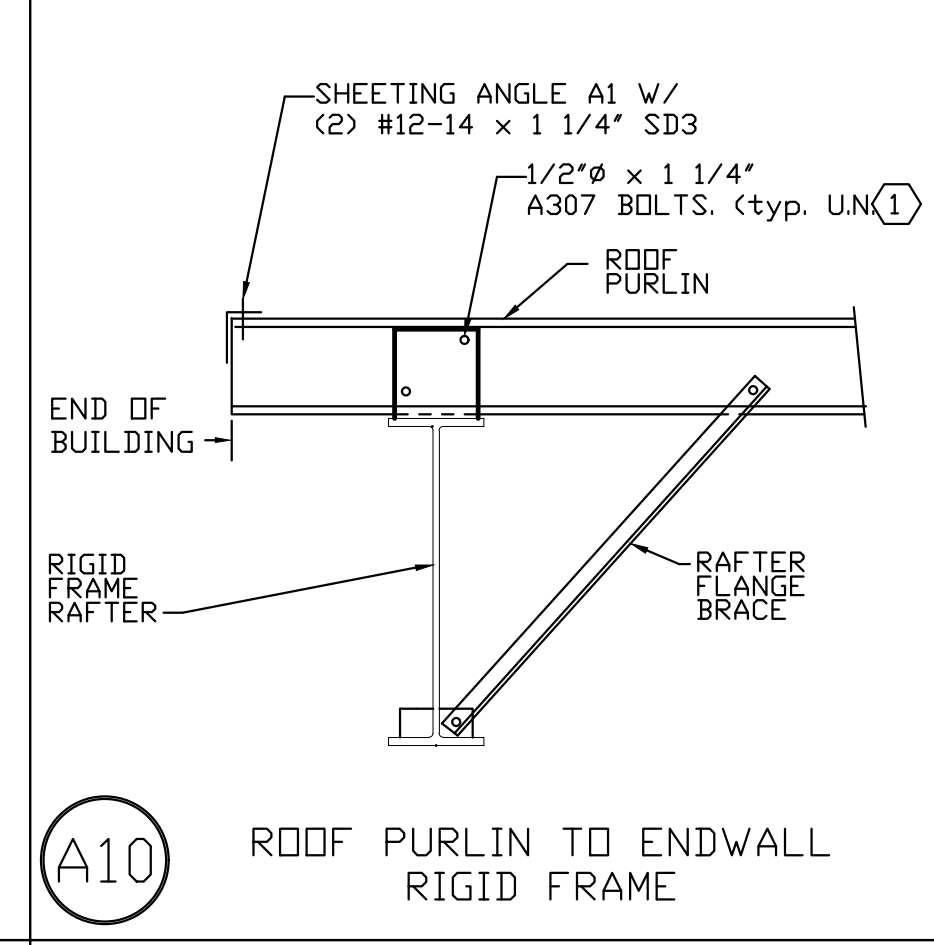
D38 CORNER COLUMN TO WALL GIRT



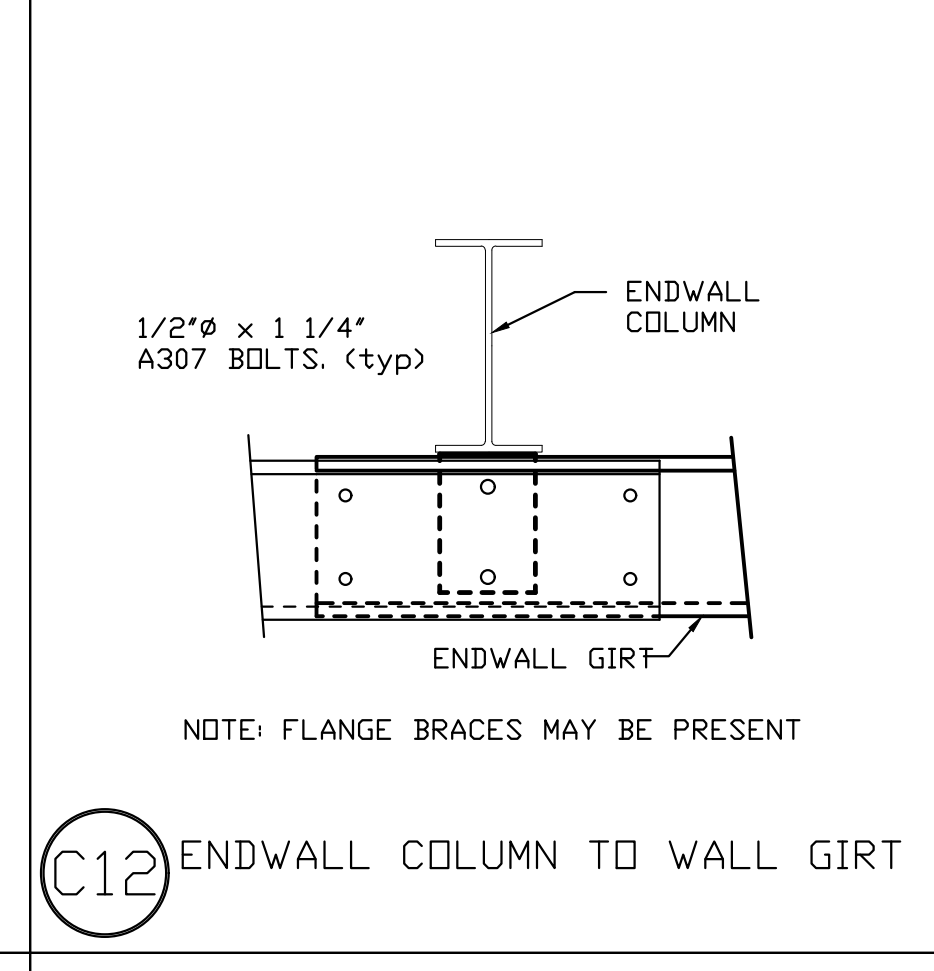
AN1 APEX STRAPPING TO WALL GIRTS



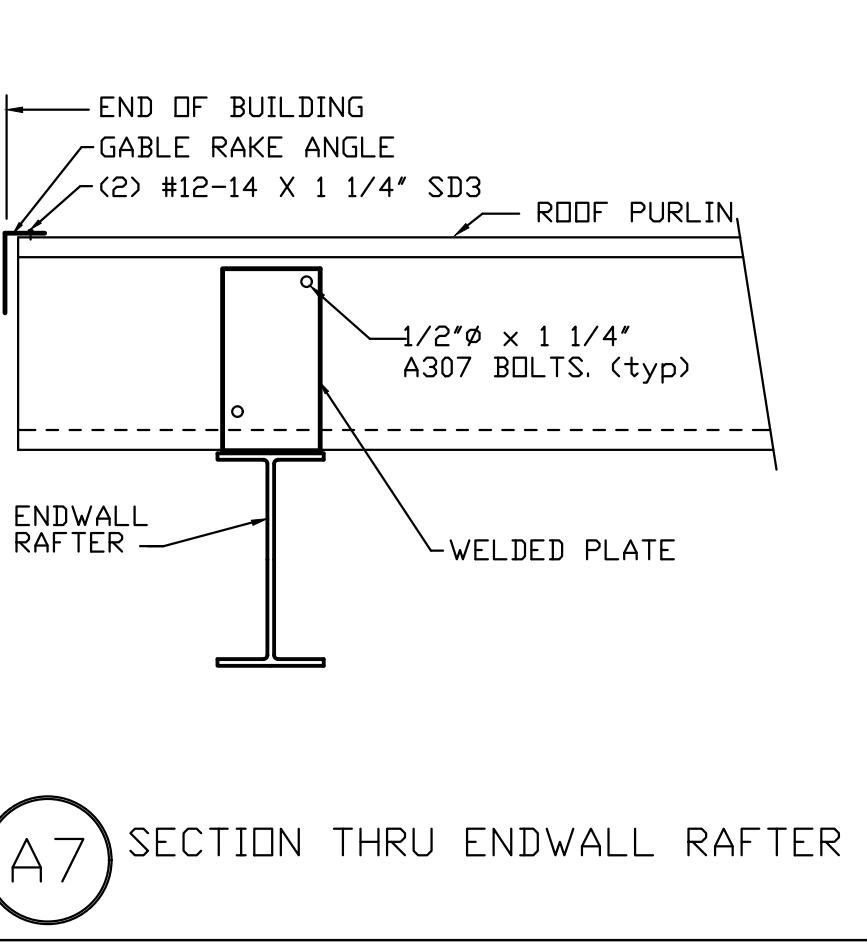
D15 CORNER COLUMN TO WALL GIRT



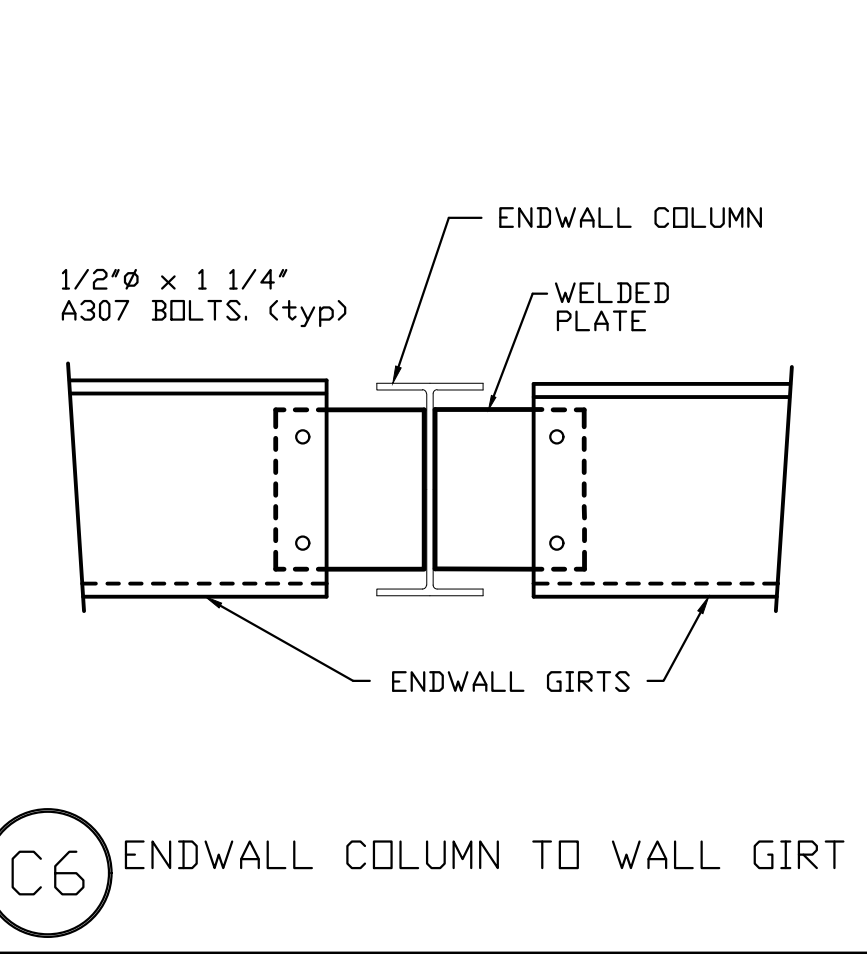
A10 ROOF PURLIN TO ENDWALL RIGID FRAME



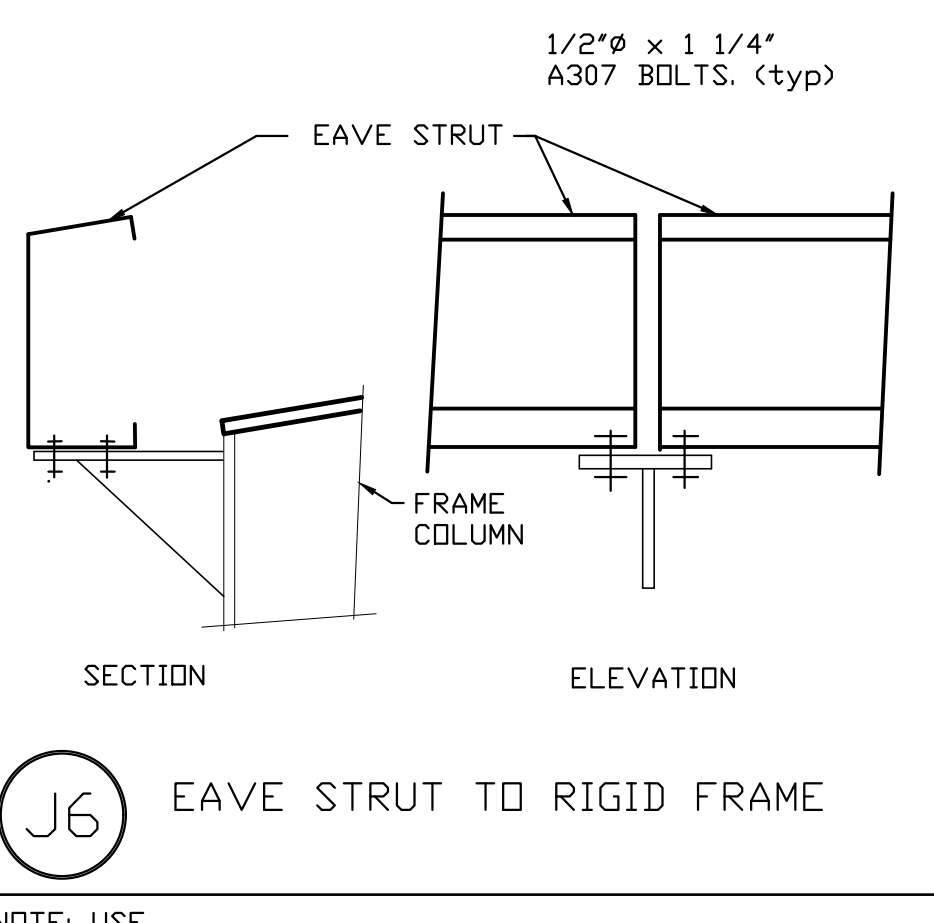
C12 ENDWALL COLUMN TO WALL GIRT



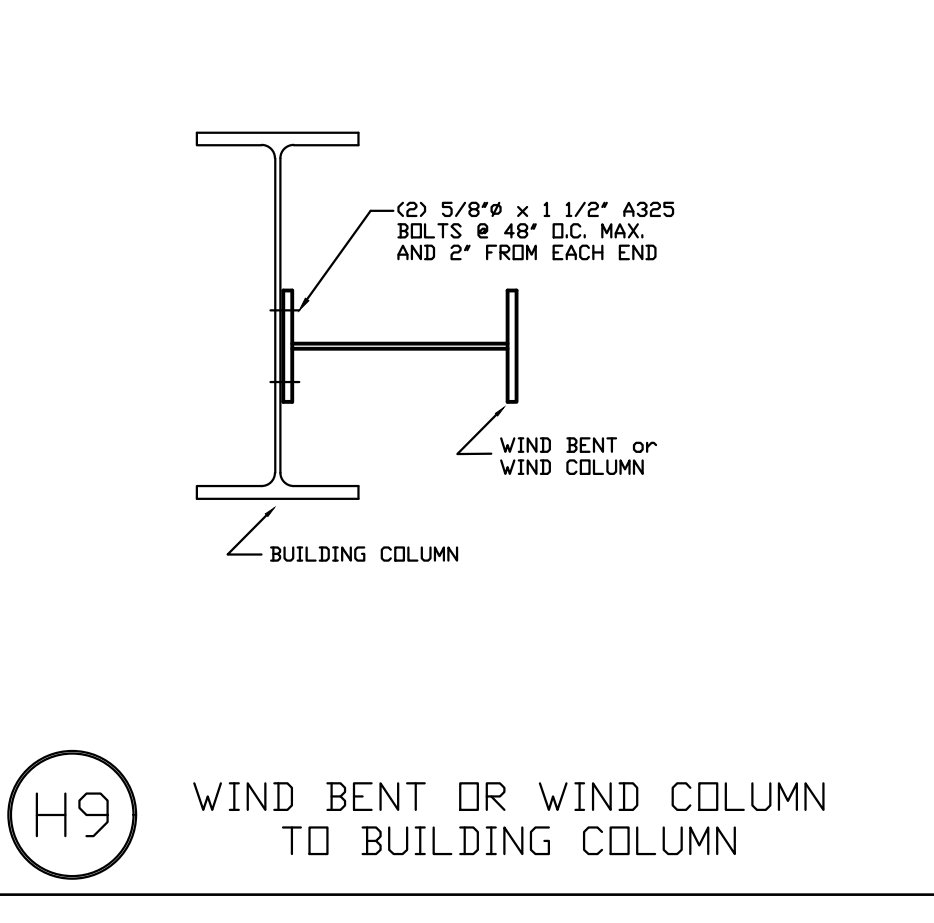
A7 SECTION THRU ENDWALL RAFTER



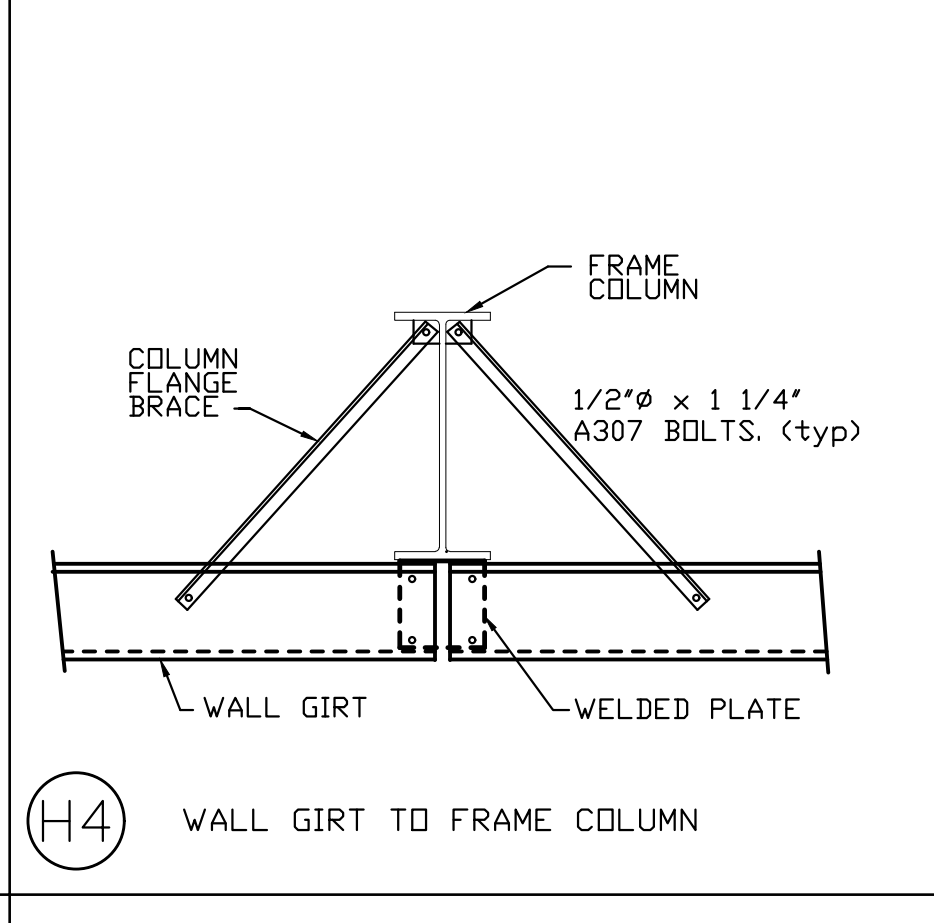
C6 ENDWALL COLUMN TO WALL GIRT



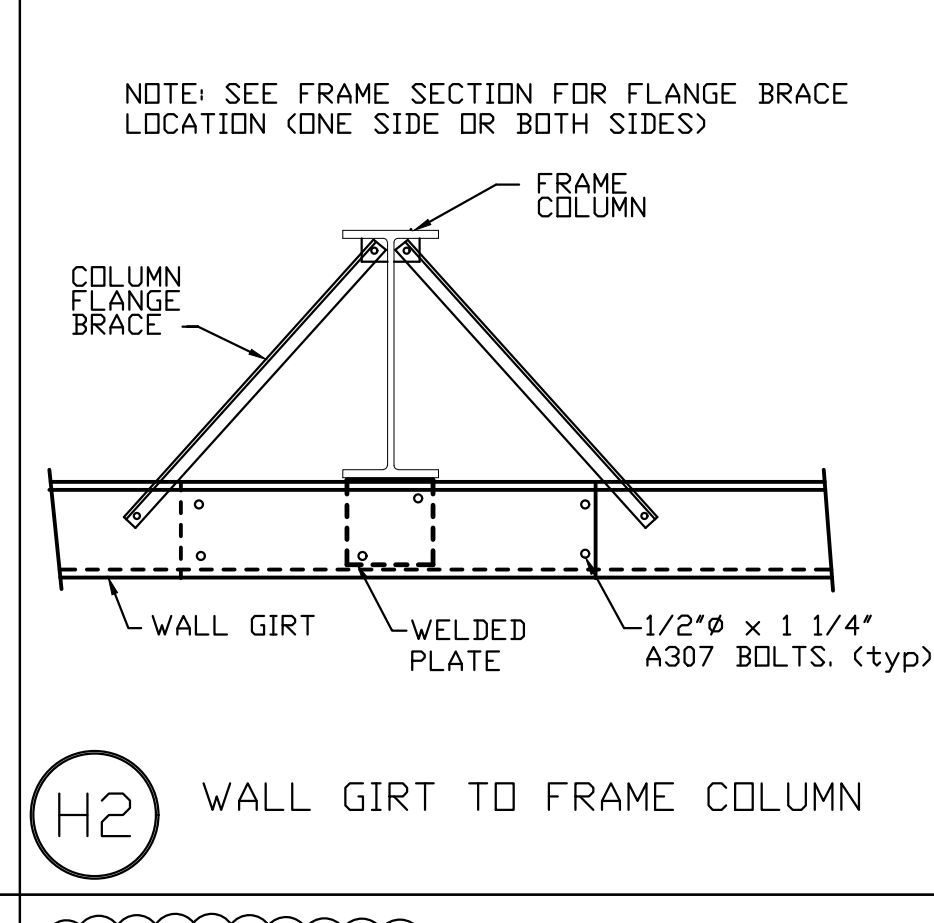
J6 EAVE STRUT TO RIGID FRAME



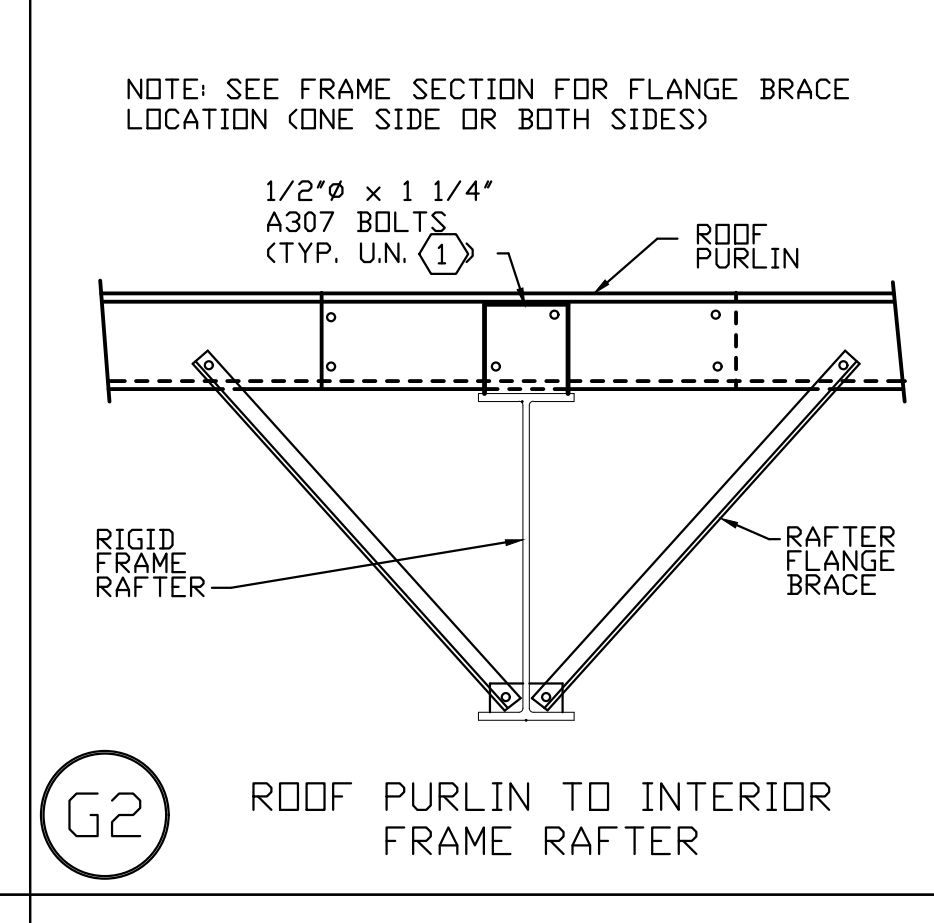
H9 WIND BENT OR WIND COLUMN TO BUILDING COLUMN



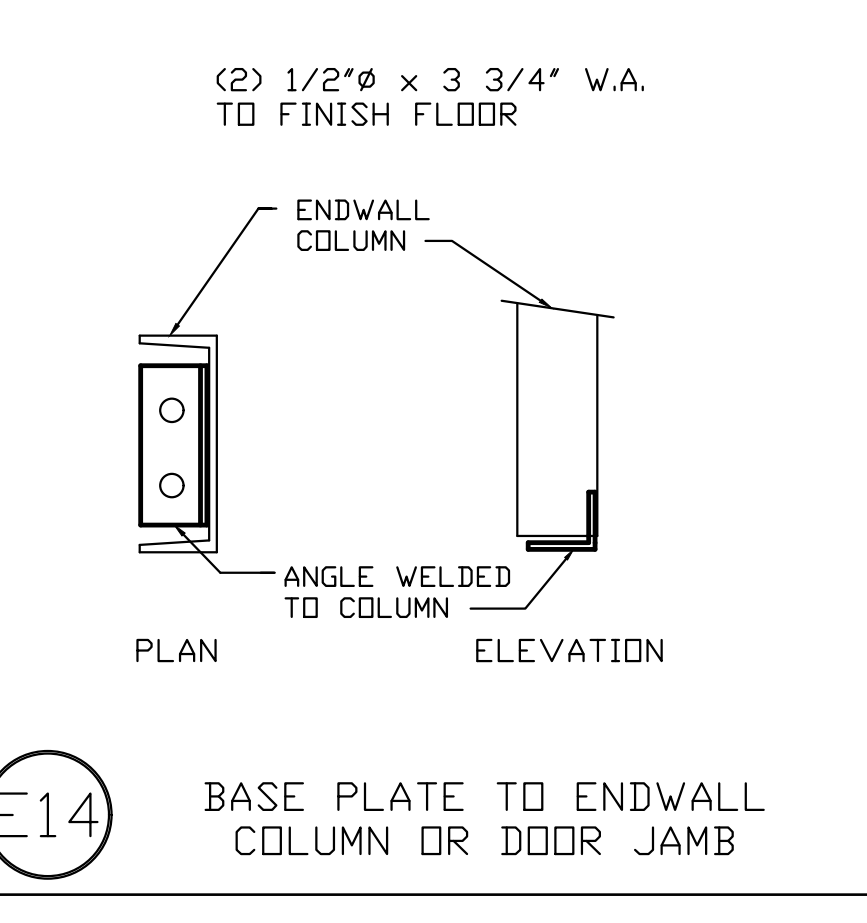
H4 WALL GIRT TO FRAME COLUMN



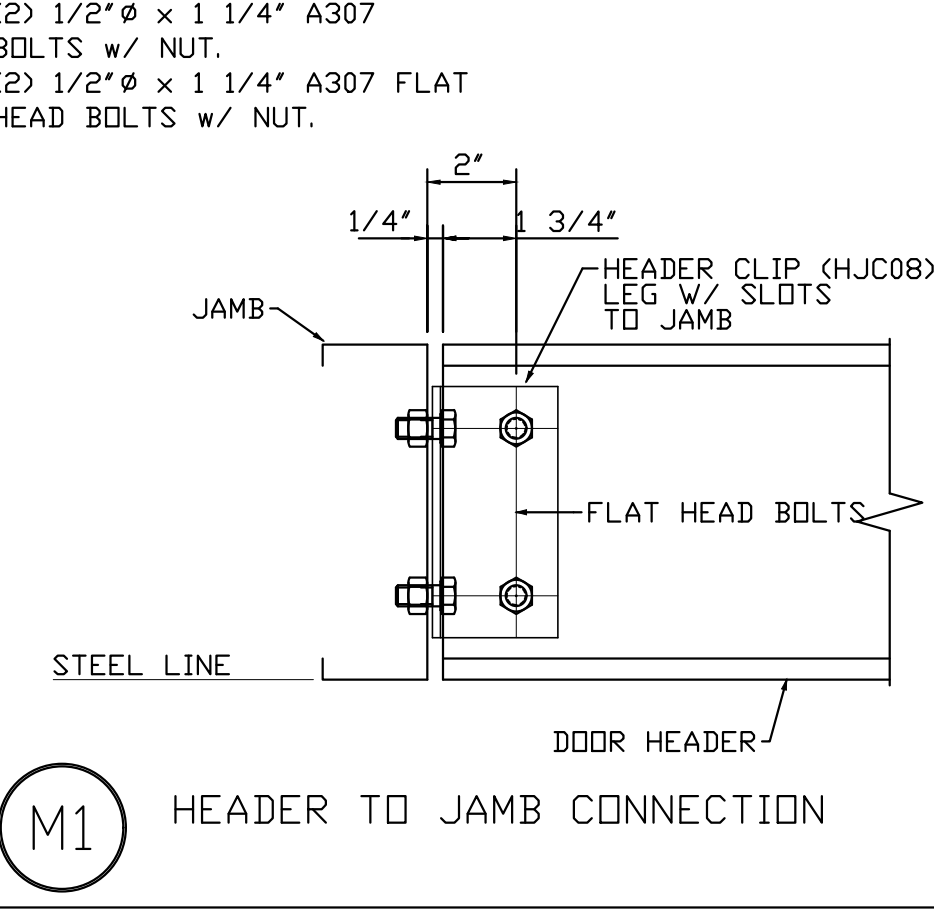
H2 WALL GIRT TO FRAME COLUMN



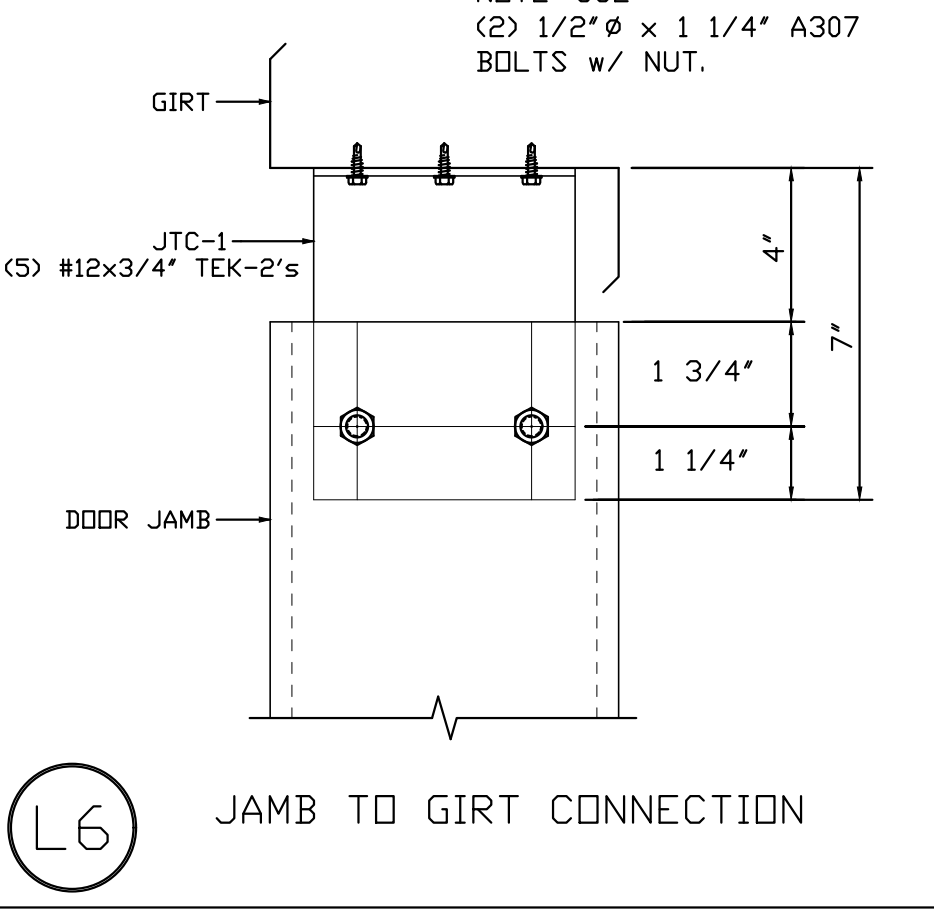
G2 ROOF PURLIN TO INTERIOR FRAME RAFTER



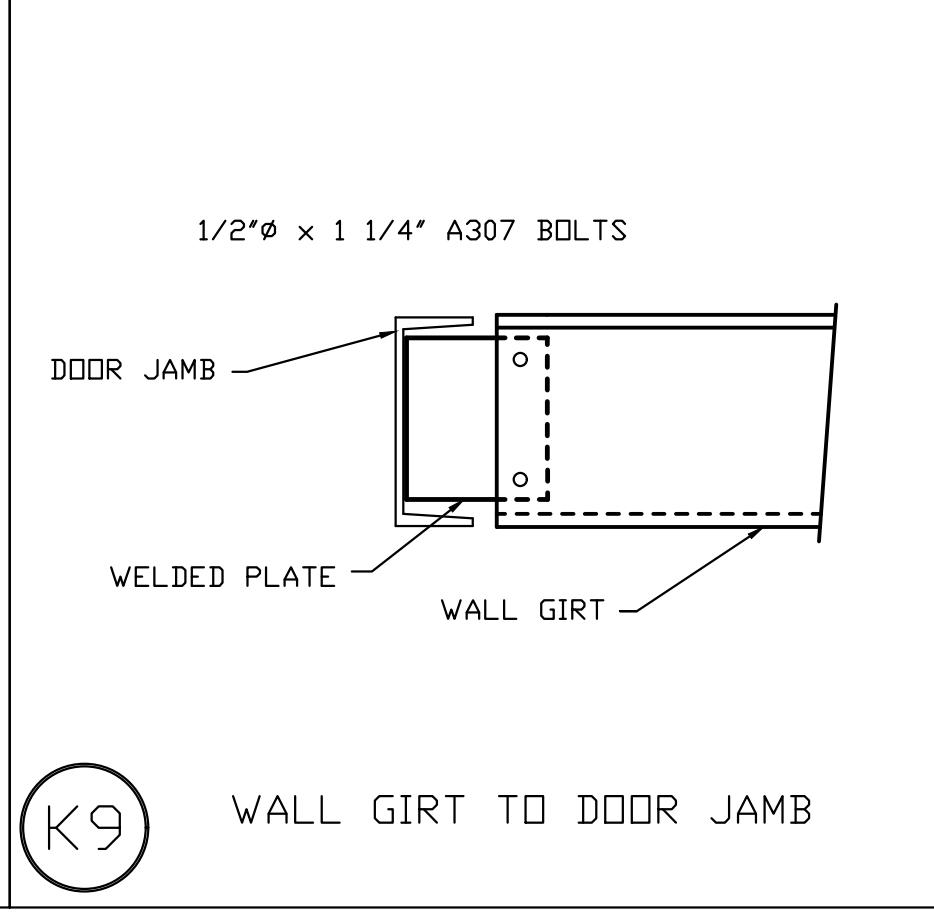
E14 BASE PLATE TO ENDWALL COLUMN OR DOOR JAMB



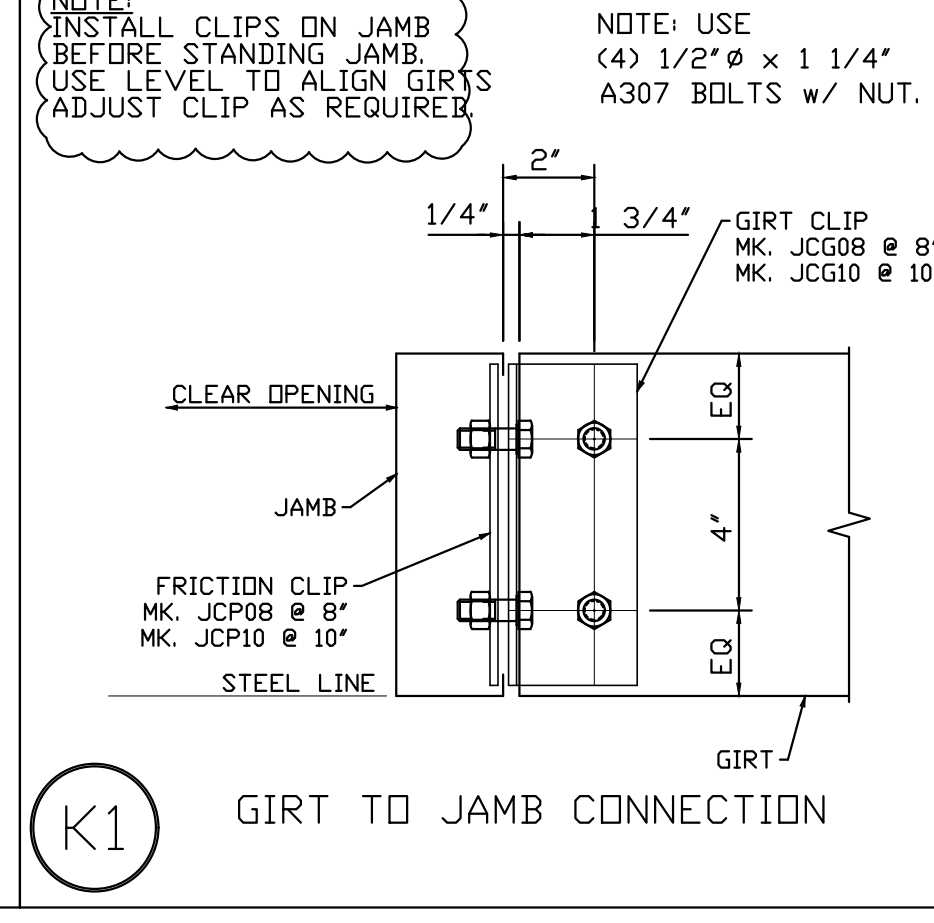
M1 HEADER TO JAMB CONNECTION



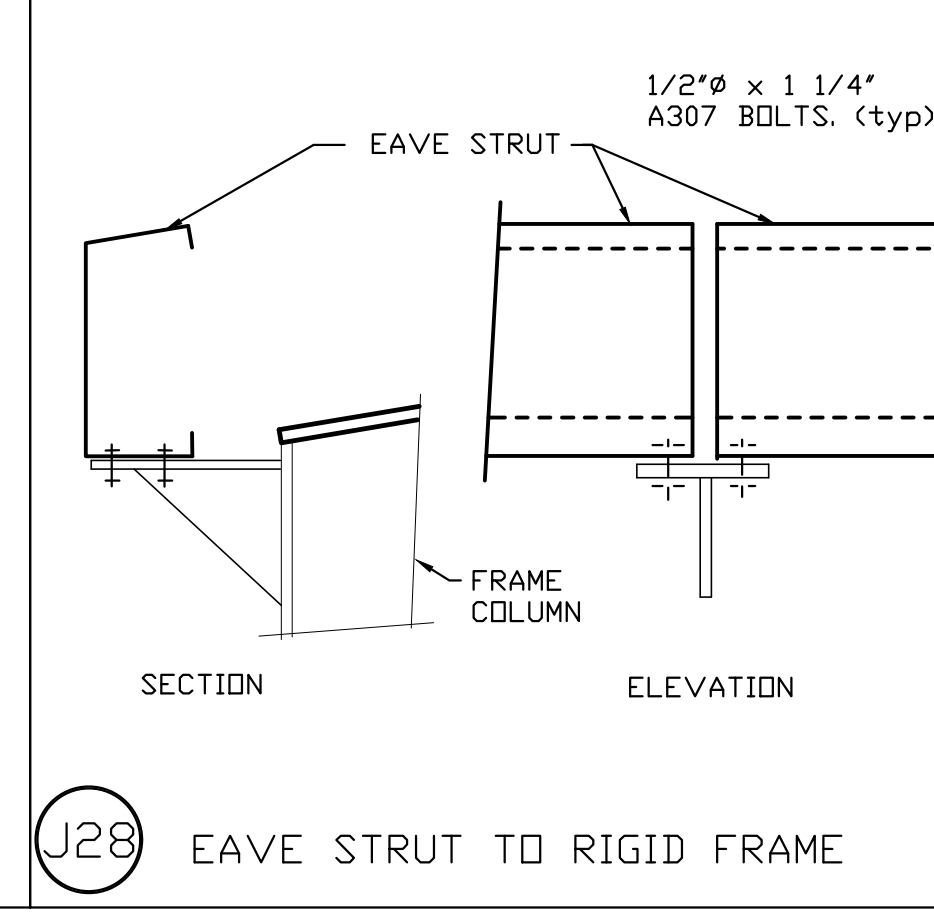
L6 JAMB TO GIRTS CONNECTION



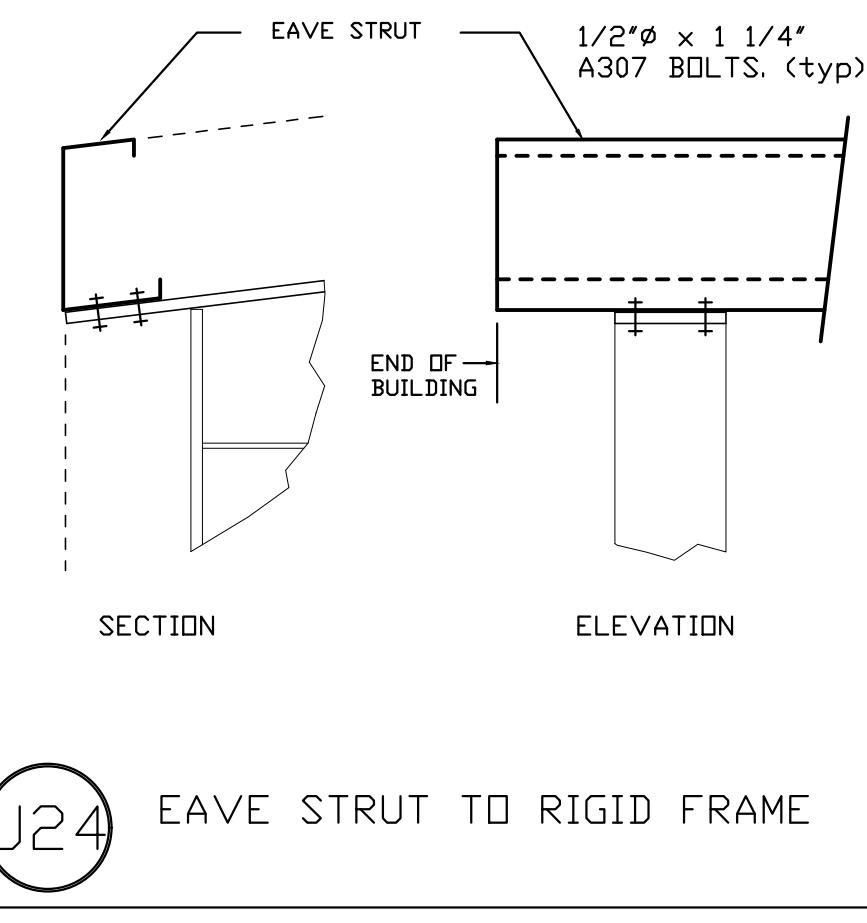
K9 WALL GIRT TO DOOR JAMB



K1 GIRTS TO JAMB CONNECTION

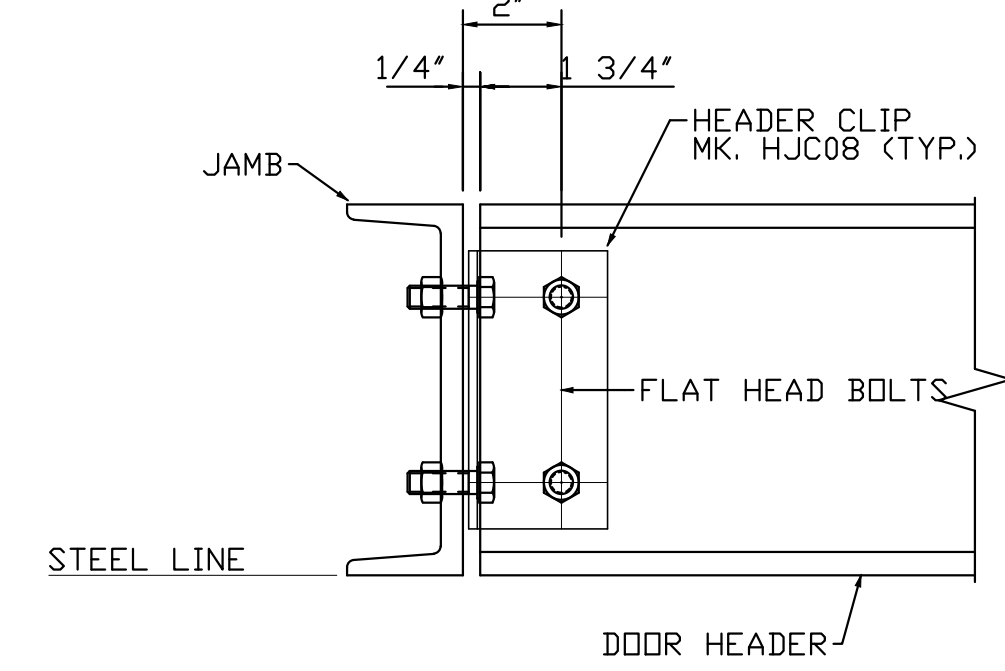


J28 EAVE STRUT TO RIGID FRAME

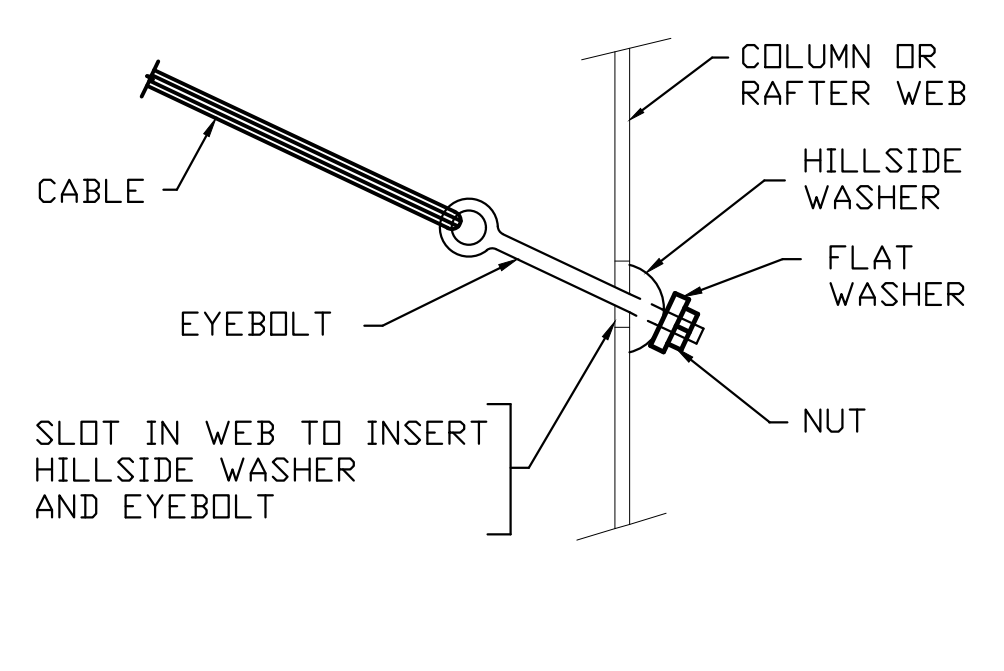


J24 EAVE STRUT TO RIGID FRAME

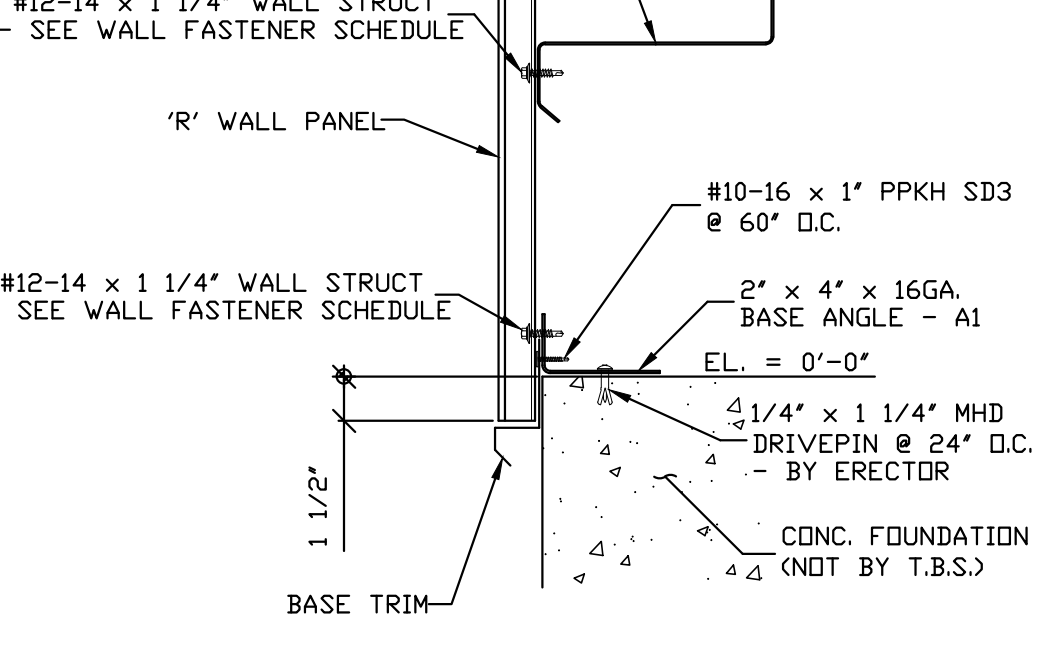
NOTE: USE  
 (2) 1/2" x 1 1/4" A307  
 BOLTS w/ NUT.  
 (2) 1/2" x 1 1/4" A307 FLAT  
 HEAD BOLTS w/ NUT.



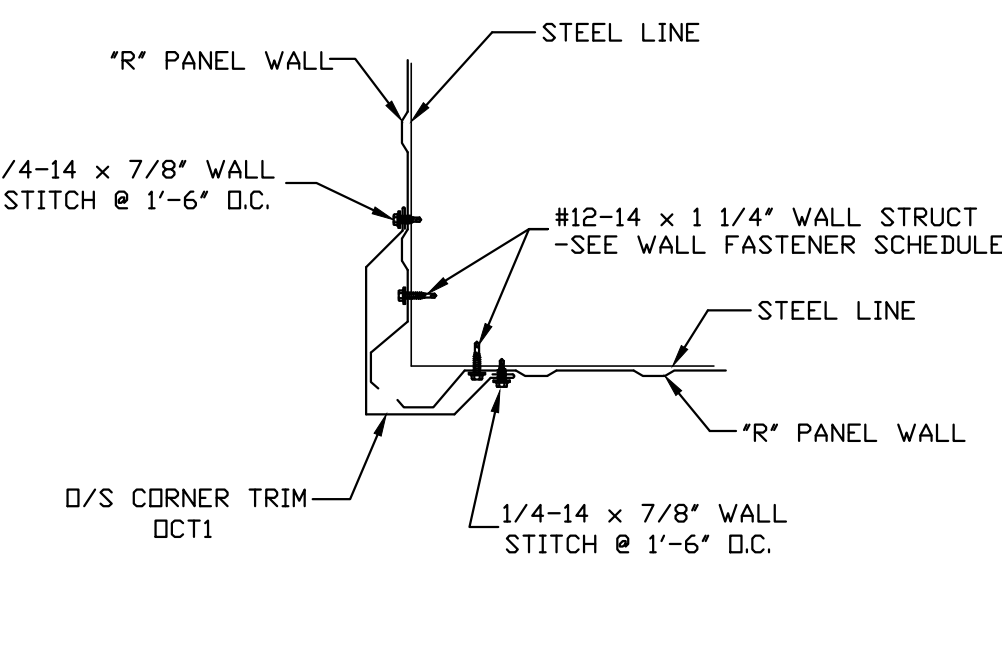
M7 DOOR HEADER TO DOOR JAMB



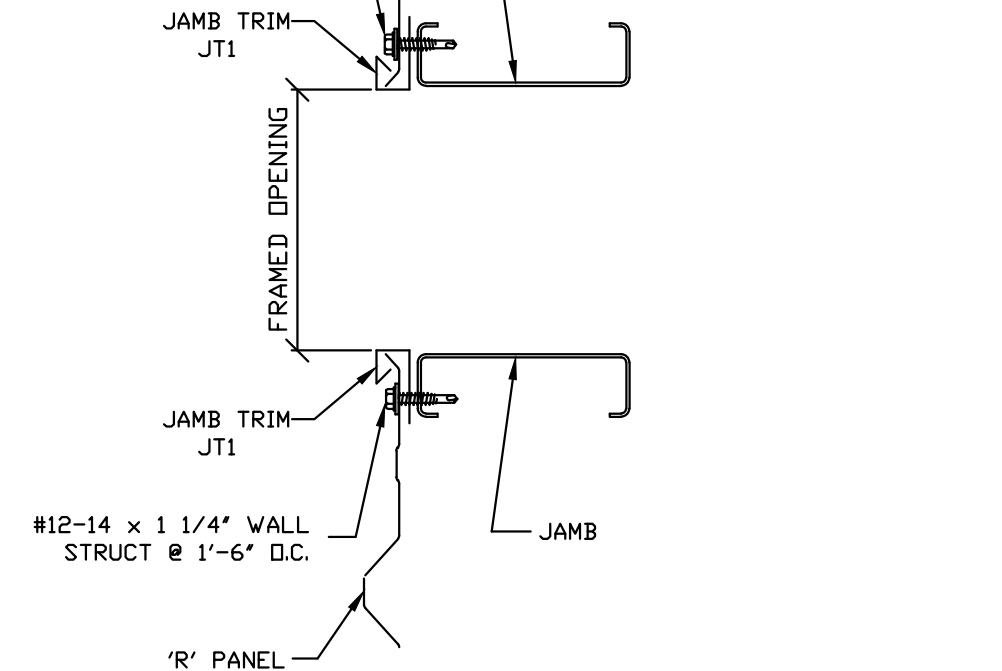
Q2 DIAGONAL CABLE, EYEBOLT END



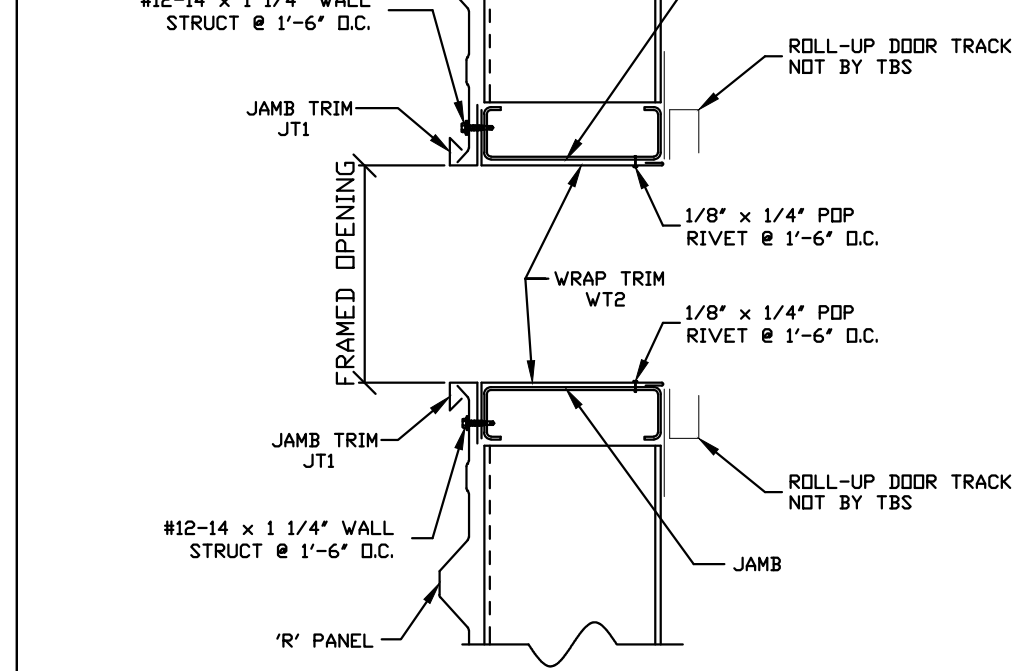
T1 BASE DETAIL "R" PANEL WALL



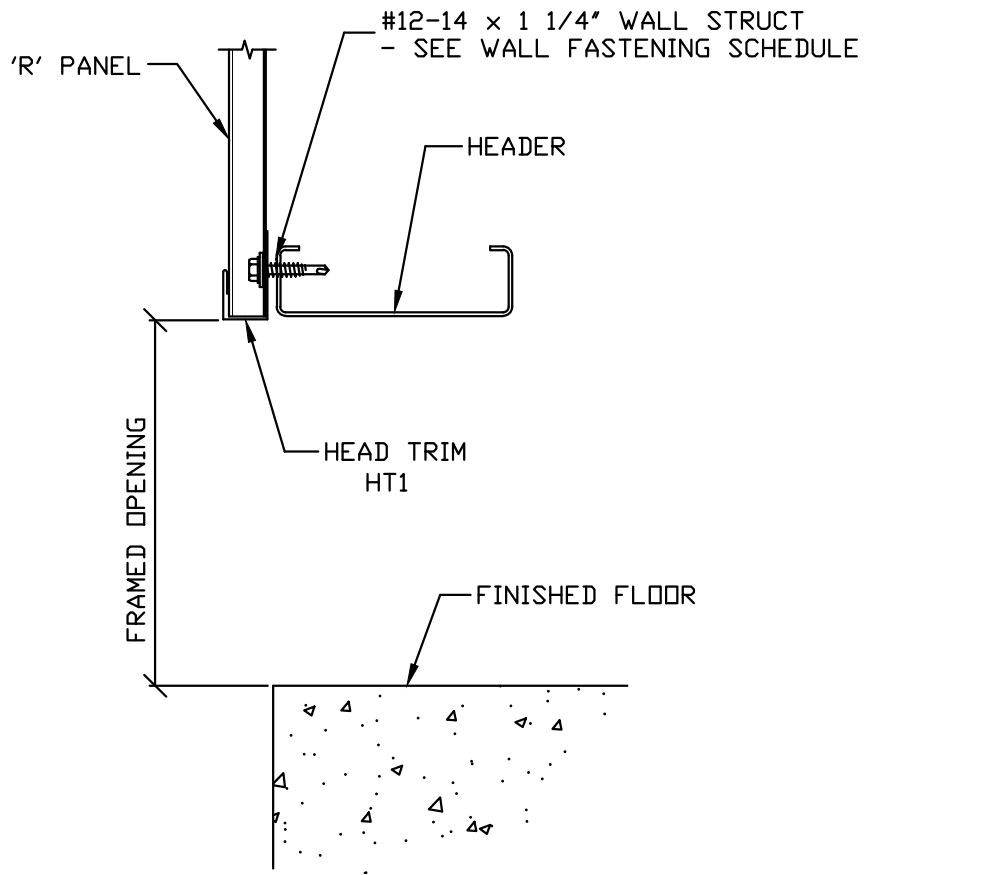
T53 OUTSIDE CORNER DETAIL "R" PANEL WALL



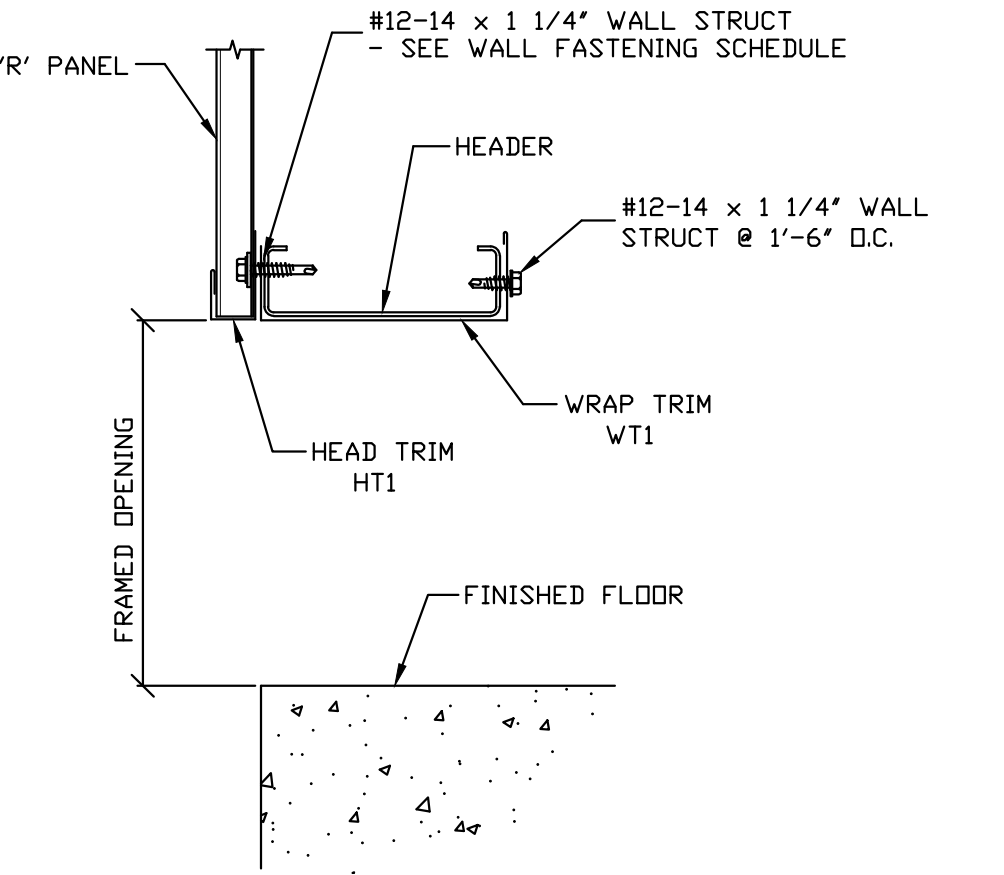
T60 JAMB DETAIL @ FRAMED OPENING "R" PANEL WALL



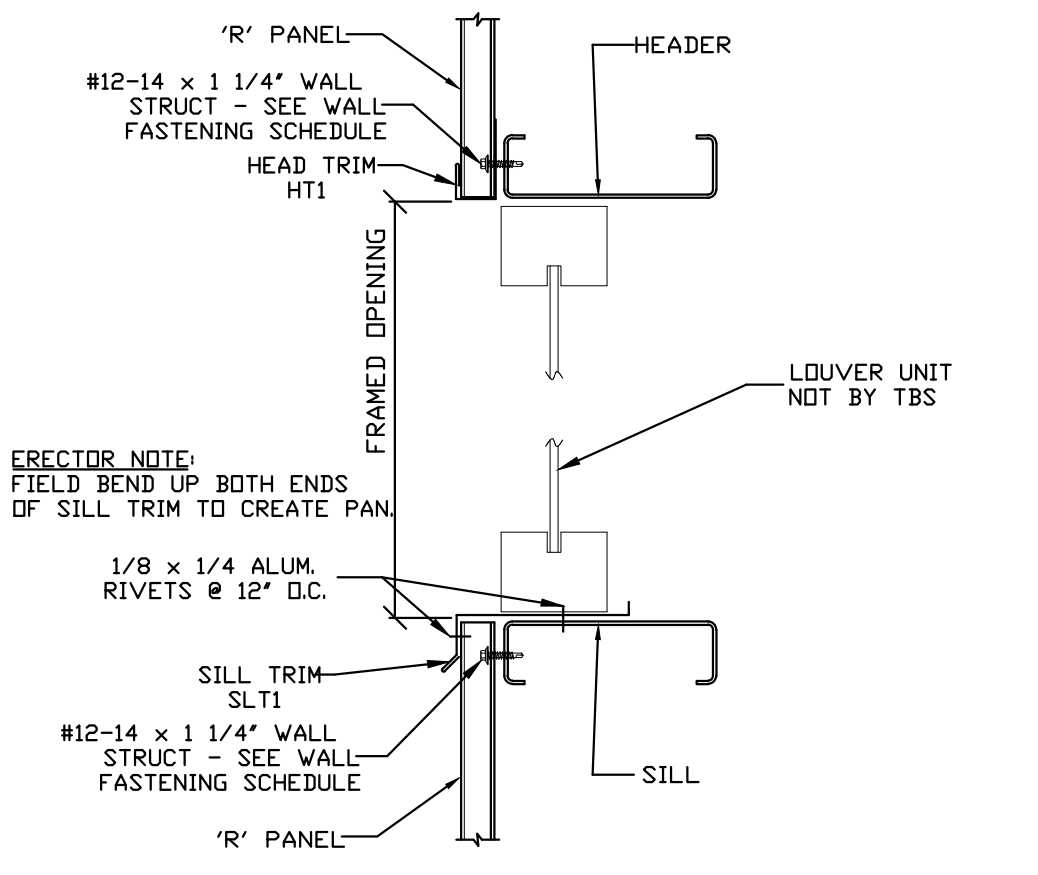
T61 JAMB DETAIL FOR ROLL-UP DOOR "R" PANEL WALL



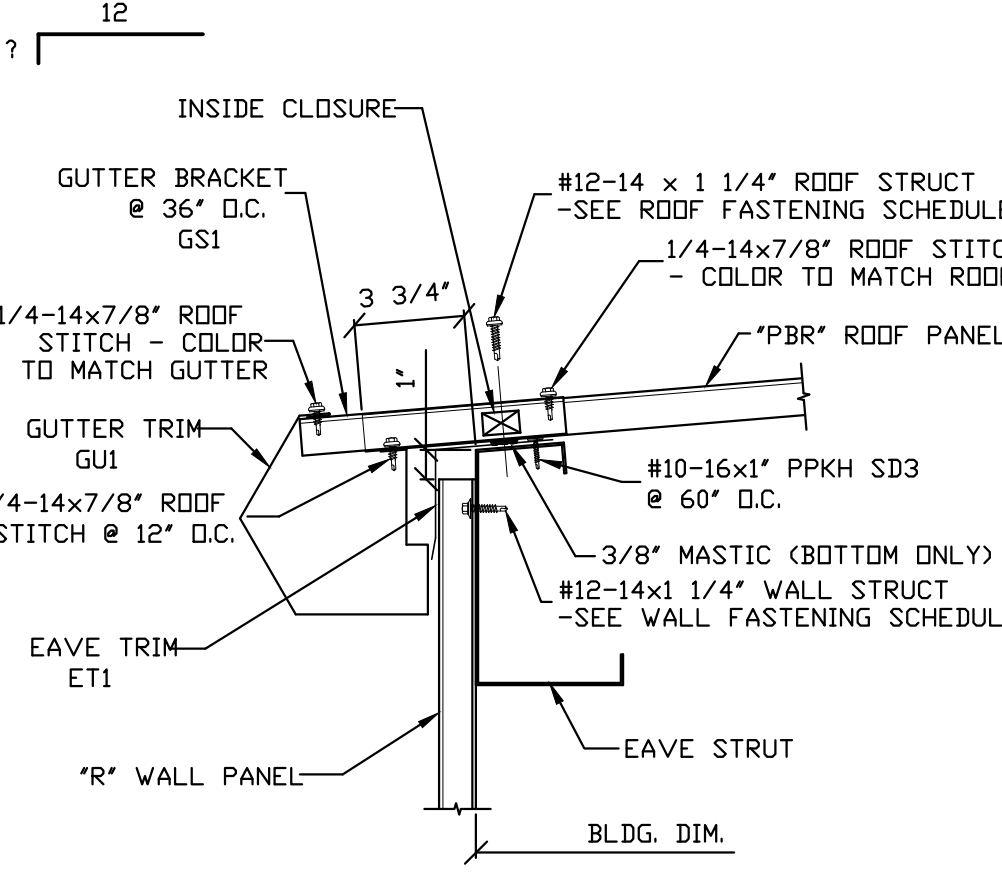
T65 HEADER DETAIL @ F.O. "R" PANEL WALL



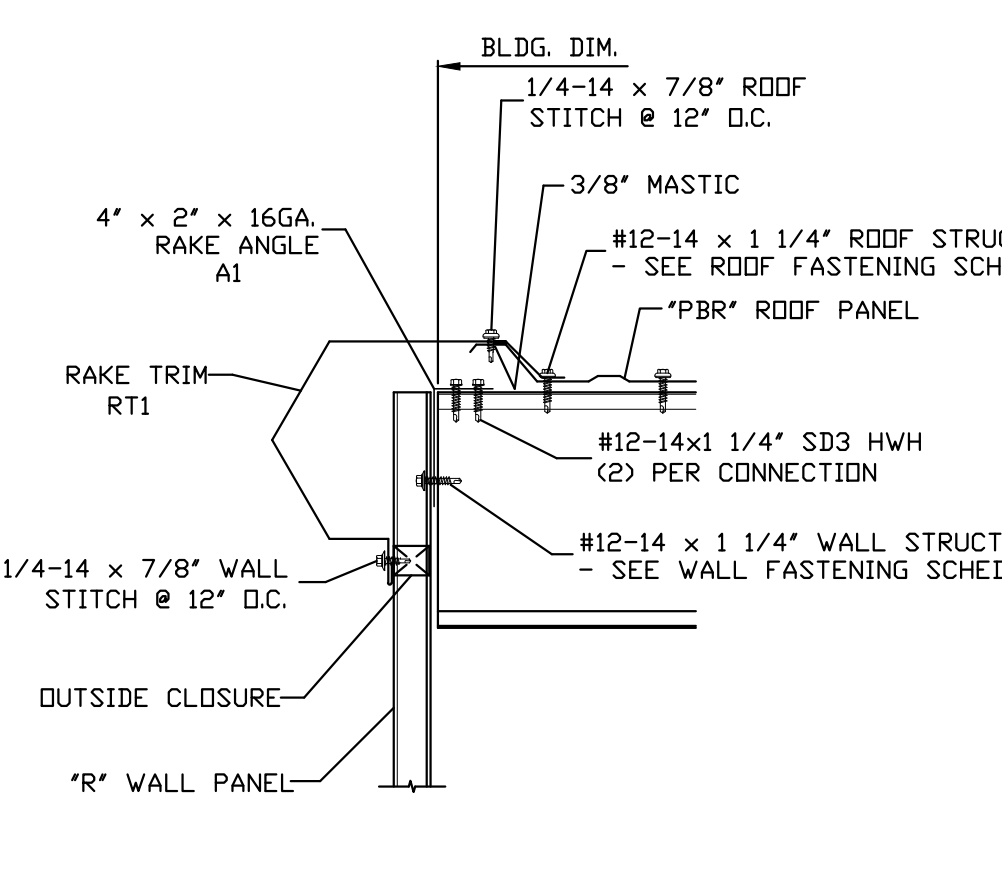
T67 HEADER DETAIL FOR ROLL-UP DOOR "R" PANEL WALL



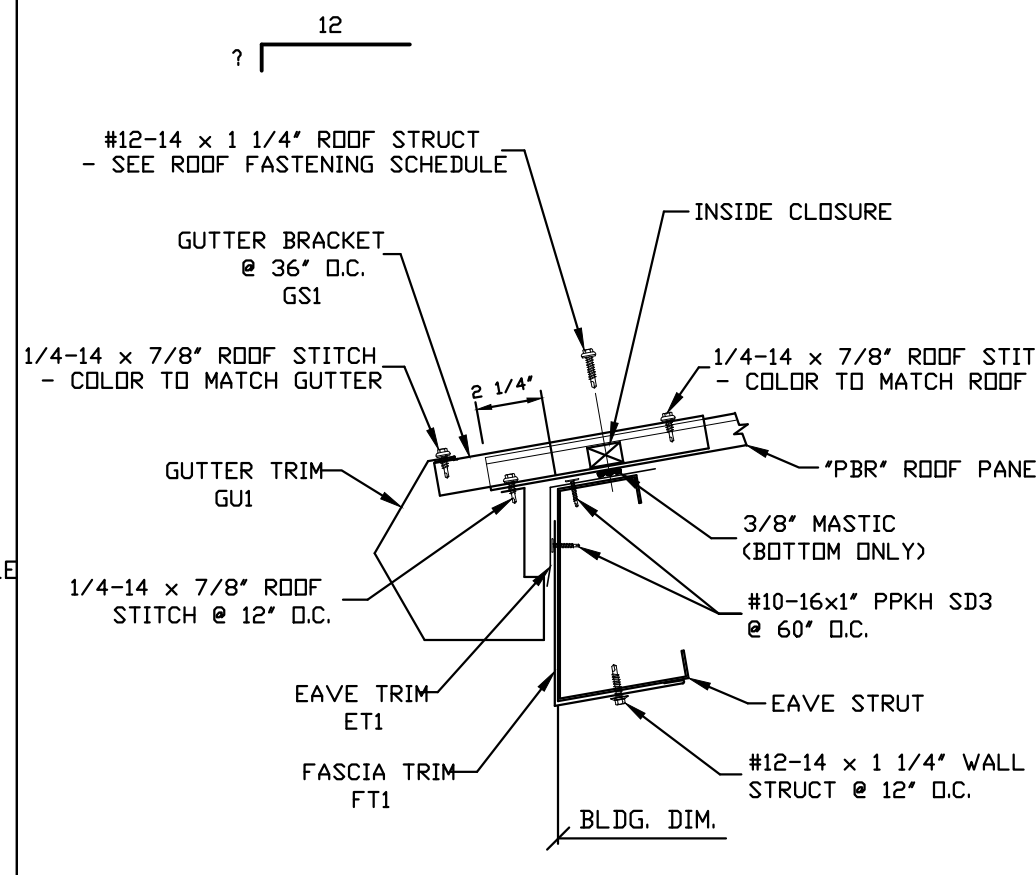
T68 HEAD & SILL DETAIL @ F.O. "R" PANEL WALL



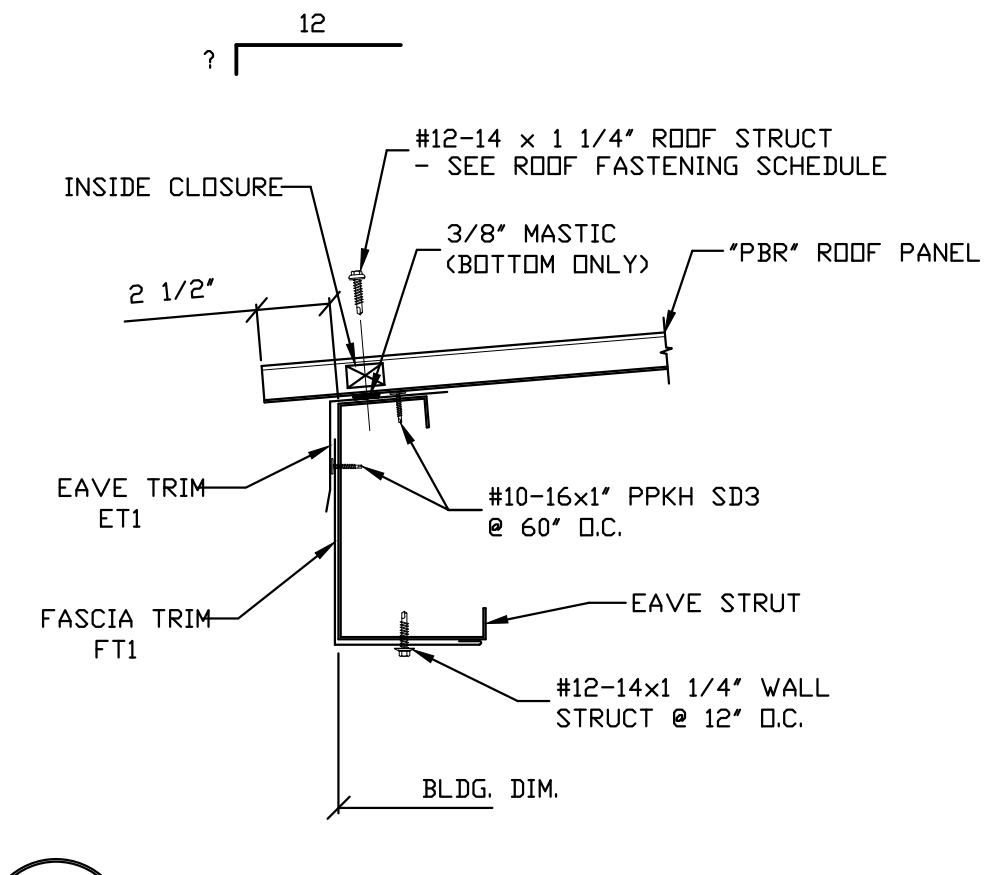
T70 STANDARD EAVE DETAIL "PBR" PANEL ROOF



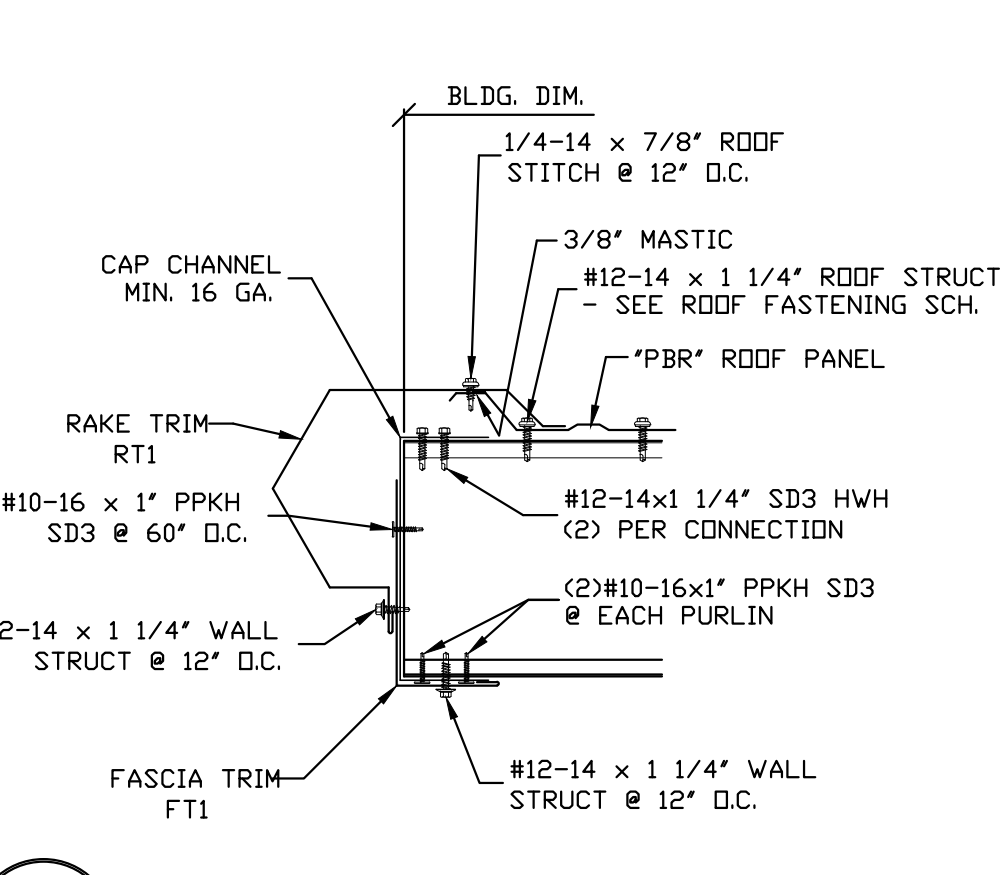
T72 RAKE DETAIL W/ WALL PANEL "PBR" PANEL ROOF



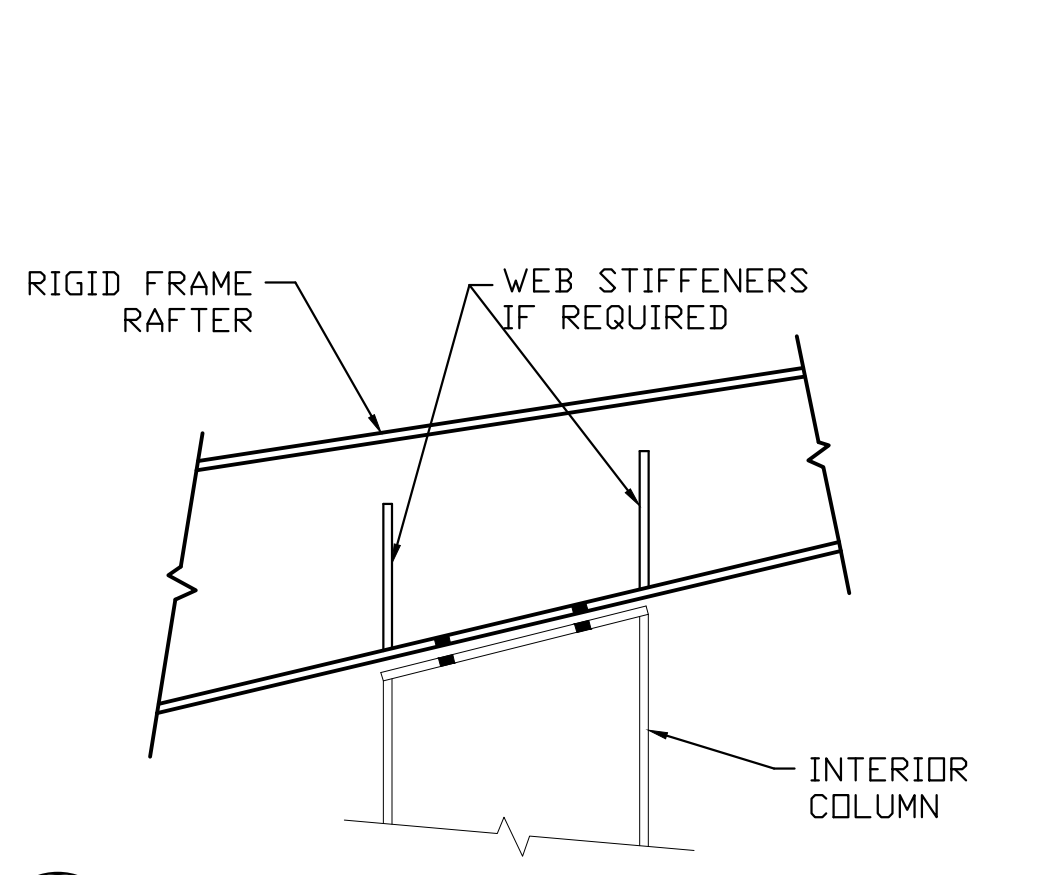
T80 EAVE DETAIL W/O WALL PANEL "PBR" PANEL ROOF



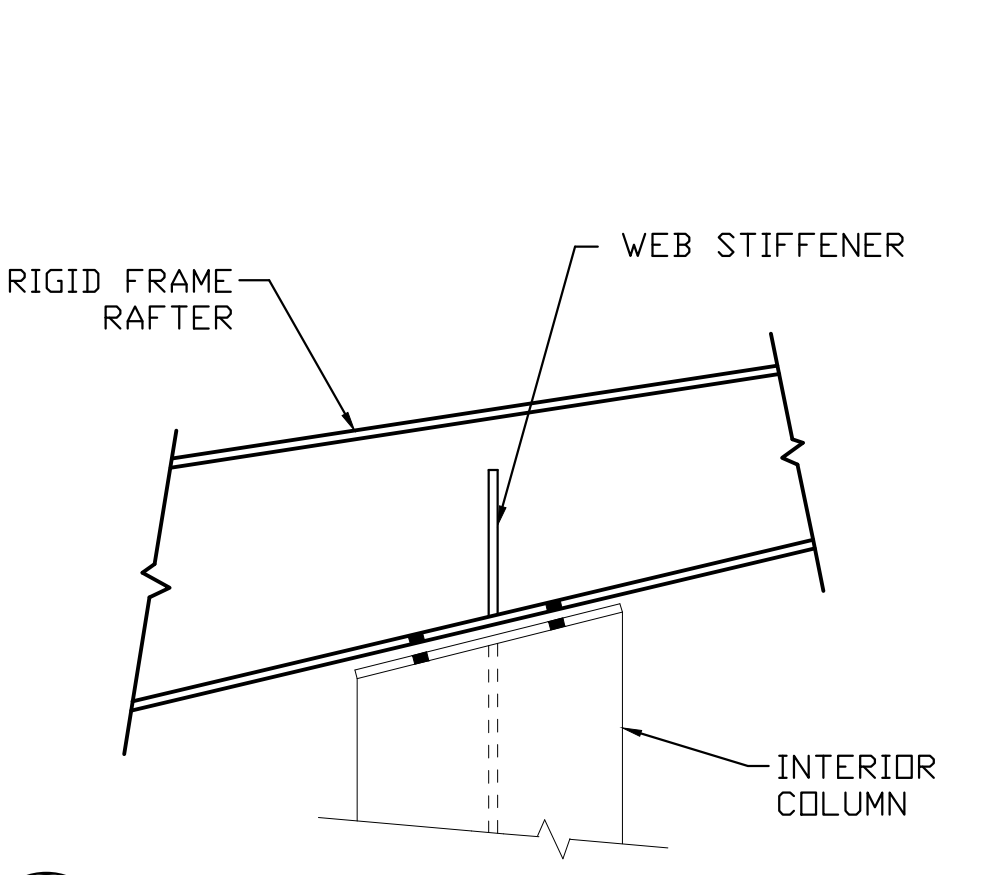
T85 EAVE DETAIL W/O GUTTER & WALL PANEL / "PBR" PANEL ROOF



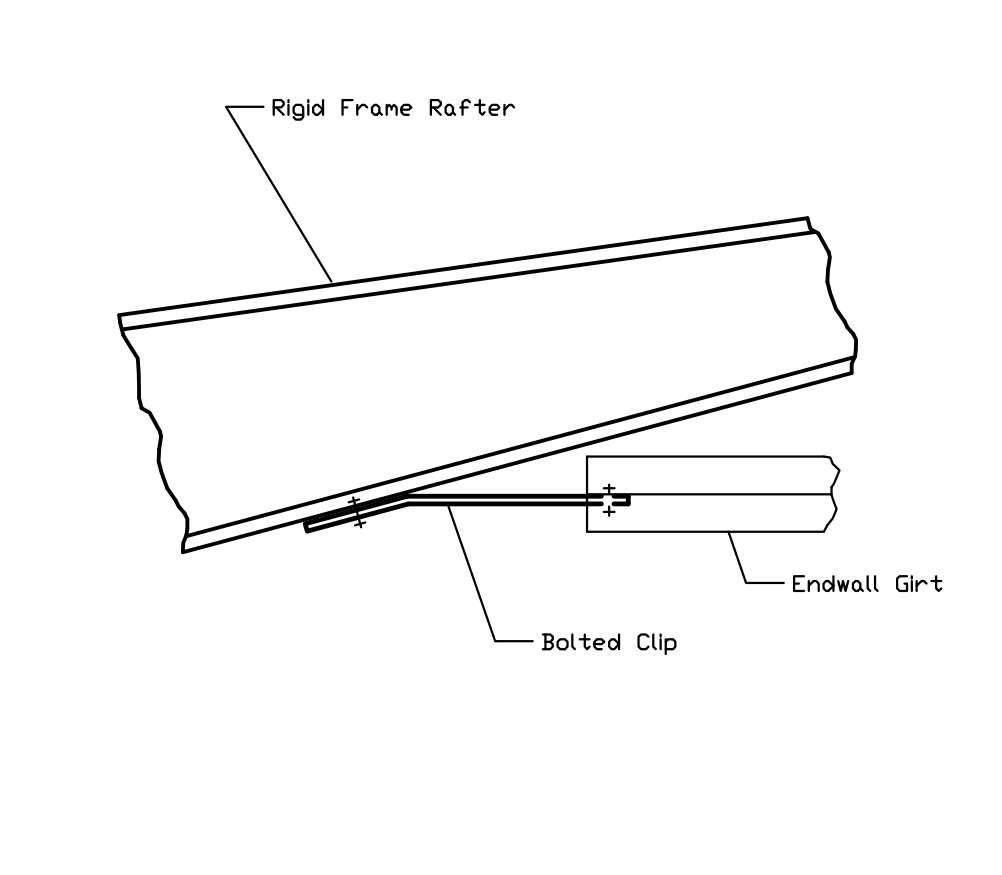
T82 RAKE DETAIL W/O WALL PANEL "PBR" PANEL ROOF



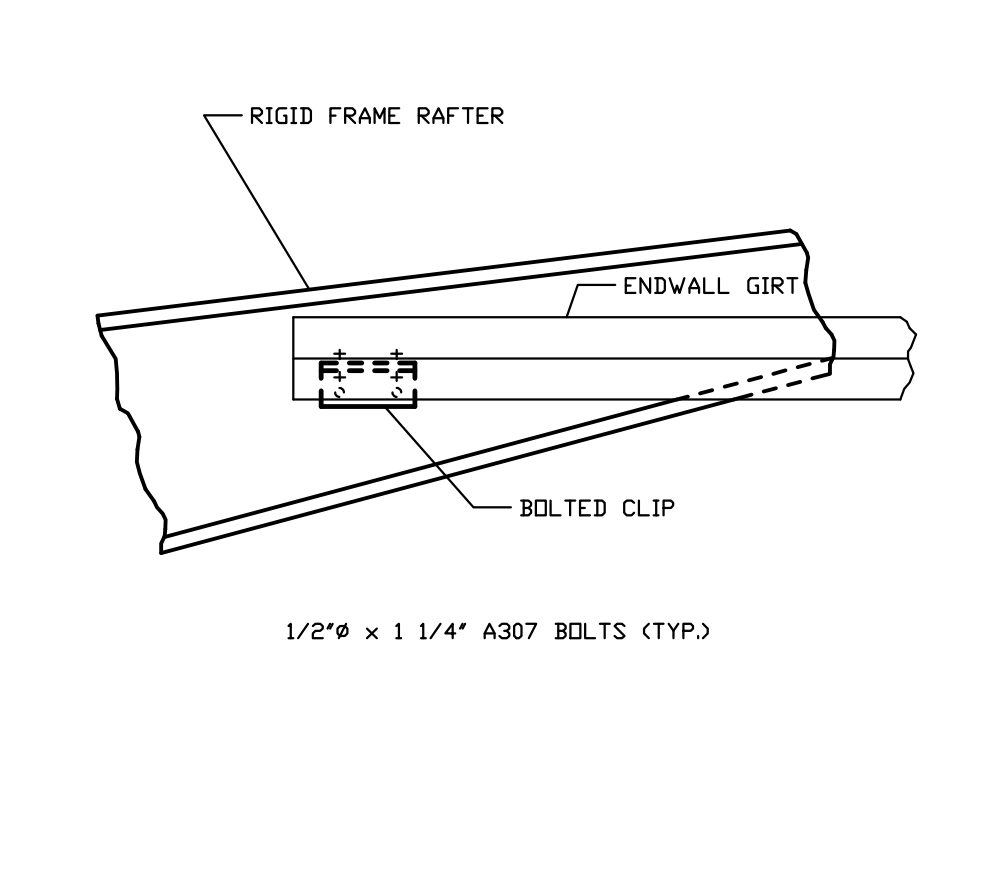
V1 INTERIOR COLUMN TO RAFTER



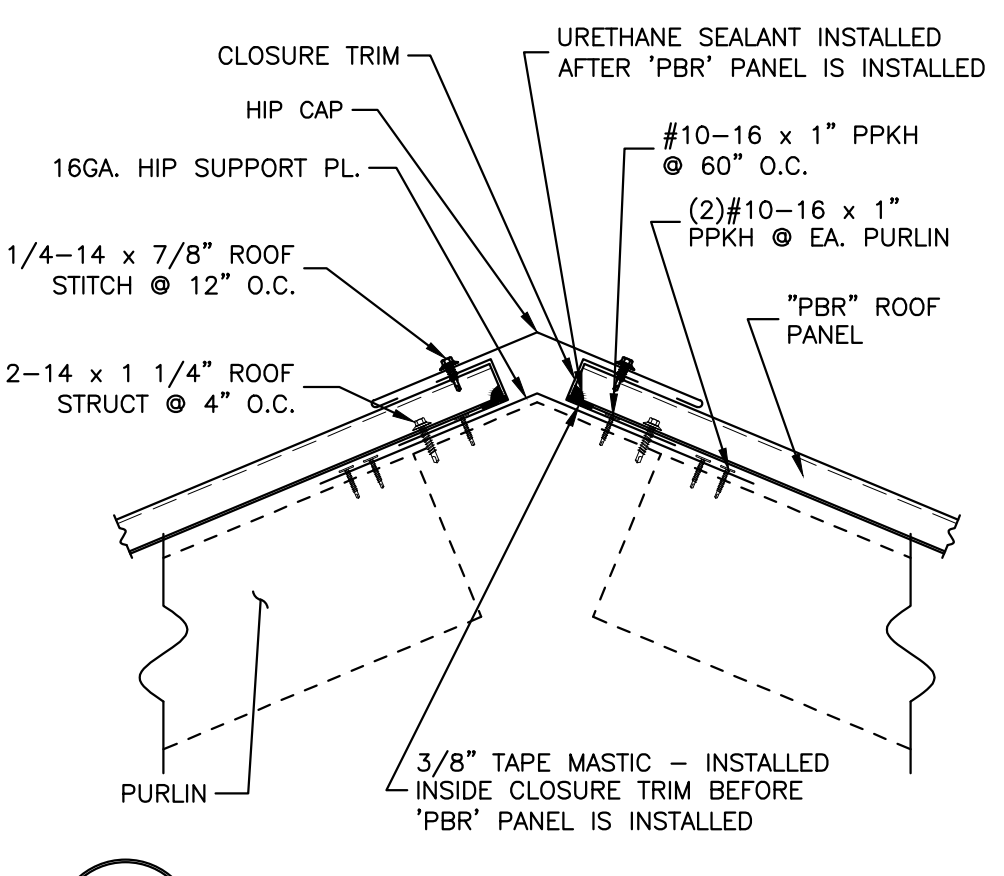
V2 INTERIOR COLUMN TO RAFTER



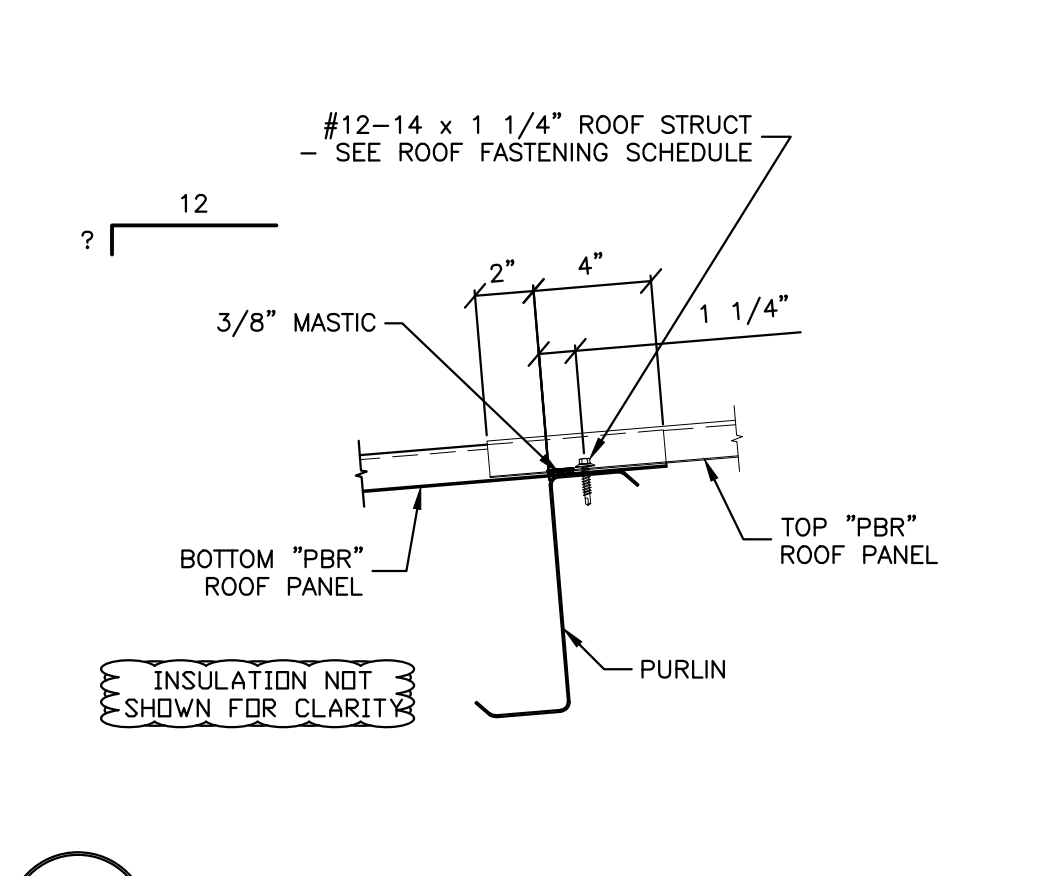
W4 SECTION OF ENDWALL GIRTS TO RAFTER



W8 SECTION OF ENDWALL GIRTS TO RAFTER



T95 HIP DETAIL "PBR" PANEL ROOF



T96 PBR PANEL END LAP DETAIL

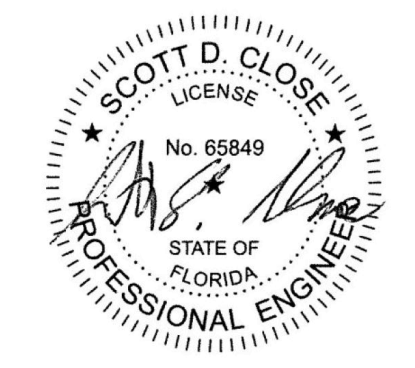
TRIDENT BUILDING SYSTEMS INC.  
 2812 Tallevast Road - Sarasota, Florida 34243  
 Phone: 941-755-7073 - Fax: 941-755-3067

DESIGN PROVIDED BY:  
**SCOTT D. CLOSE**  
 FLORIDA P.E. # 65849  
 FABRICATION AND ERECTION DRAWINGS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF THE SPECIALTY ENGINEER SHOWN ABOVE.

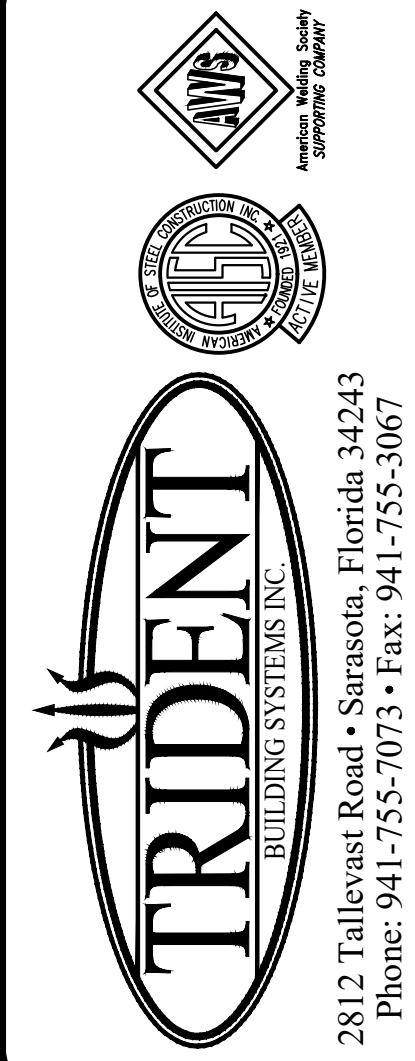
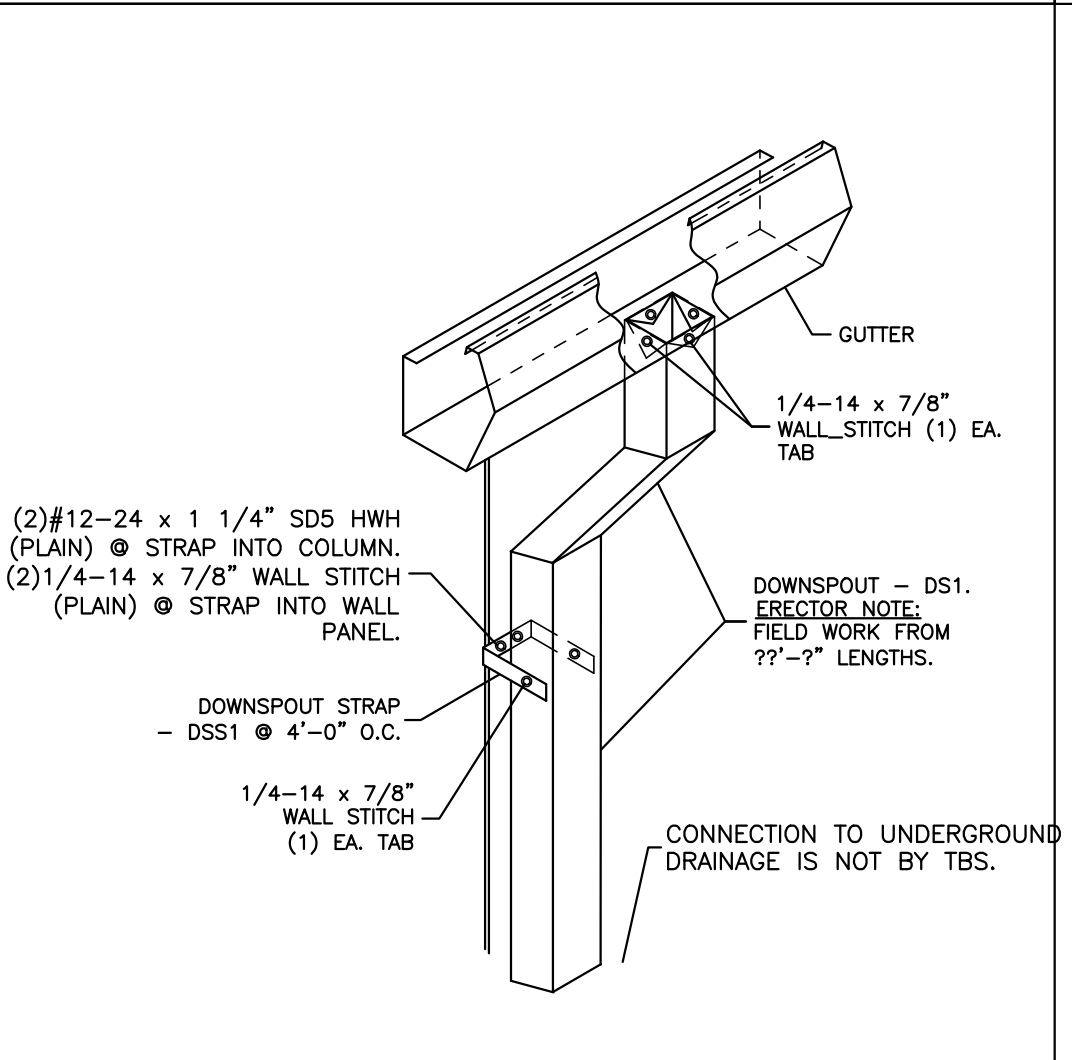
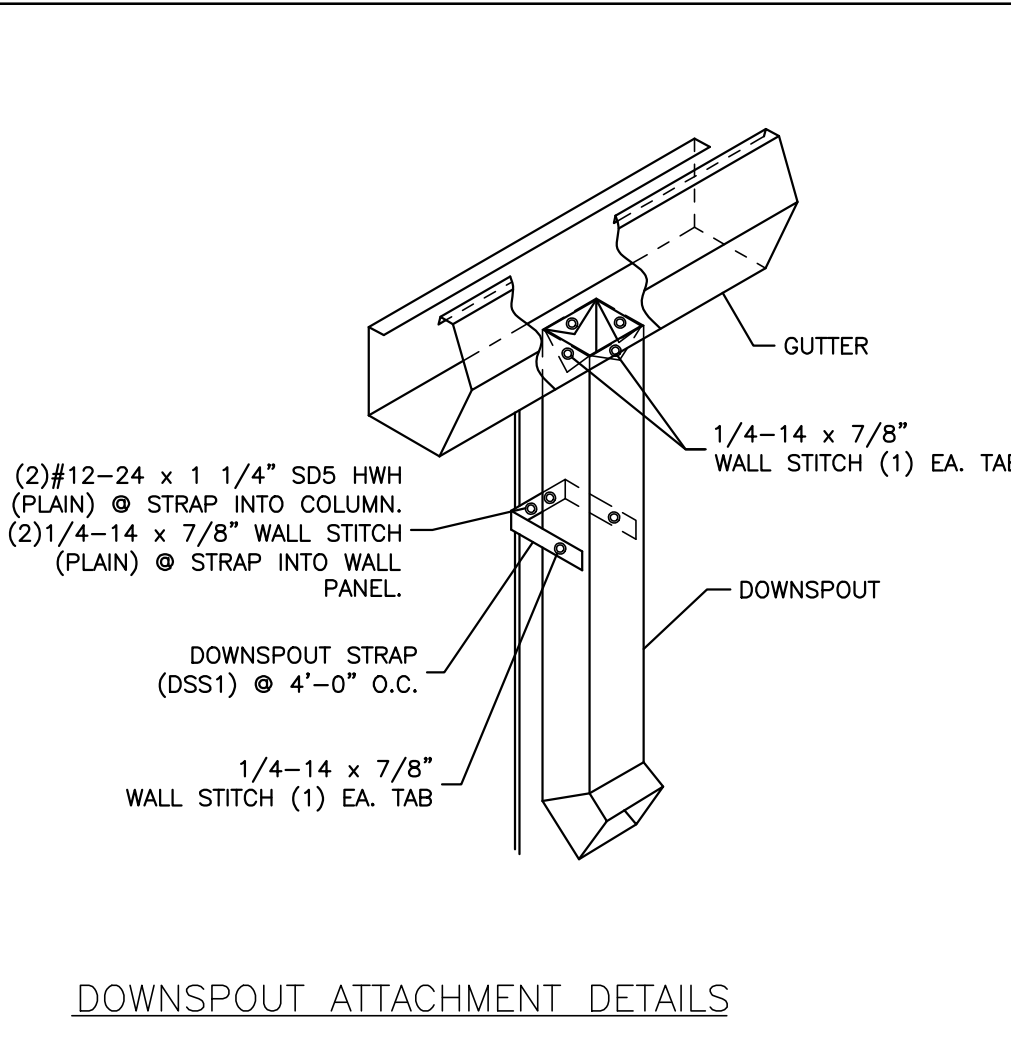
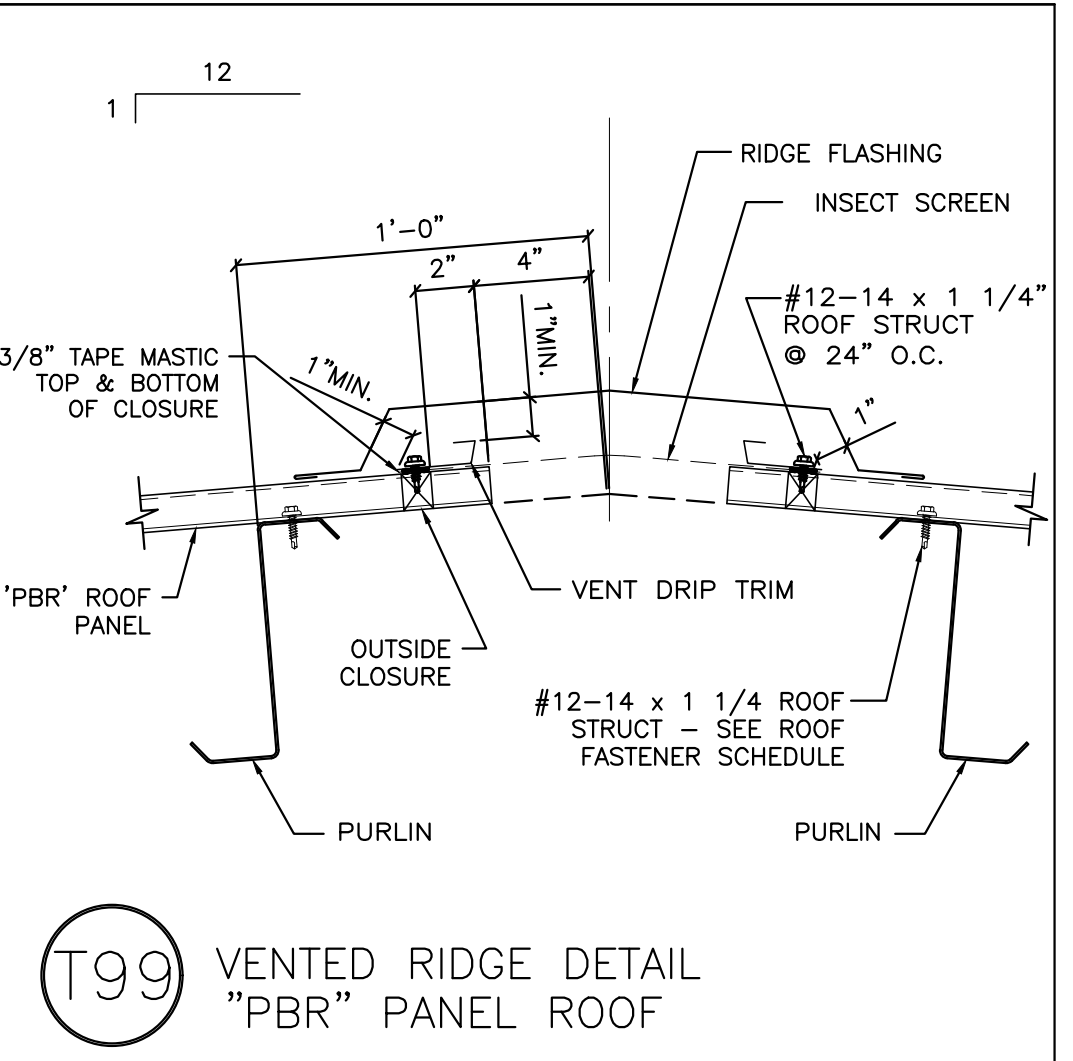
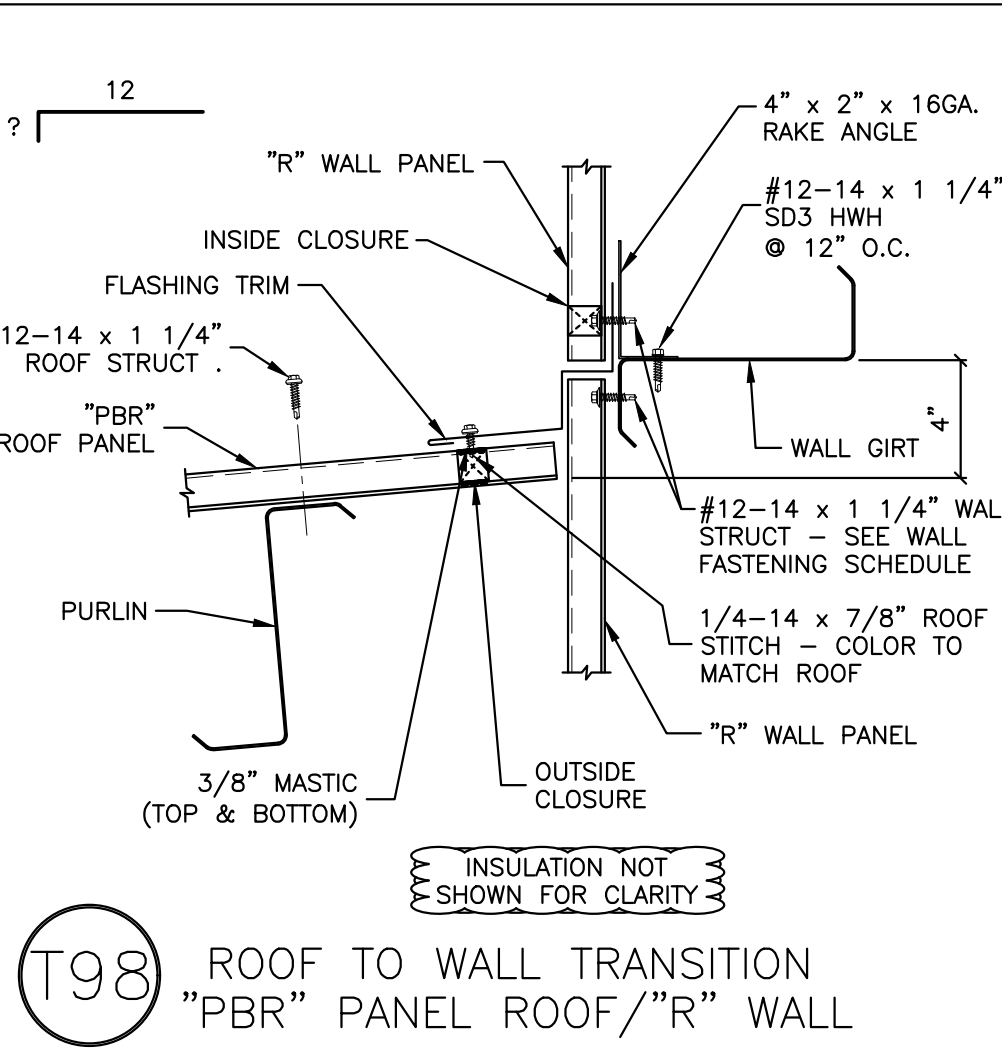
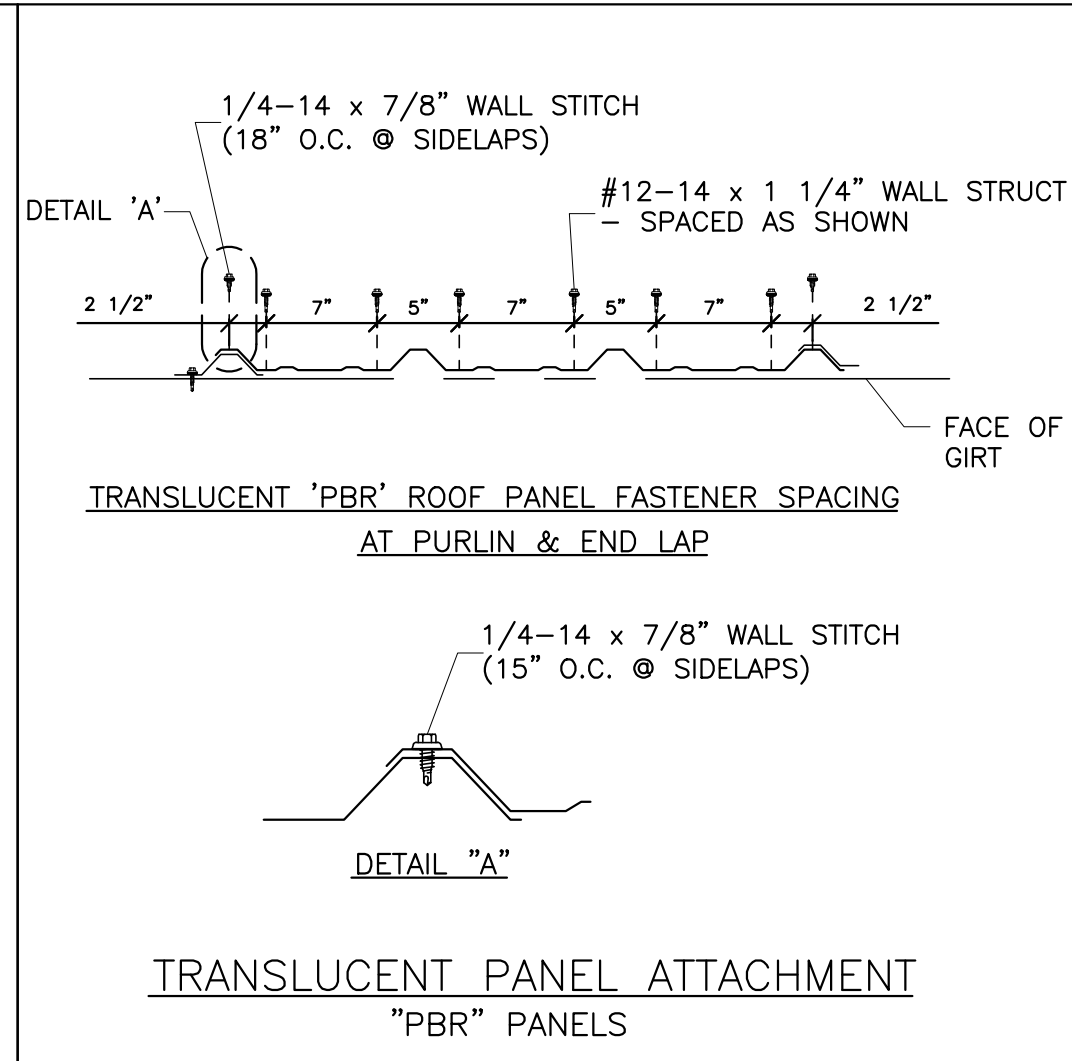
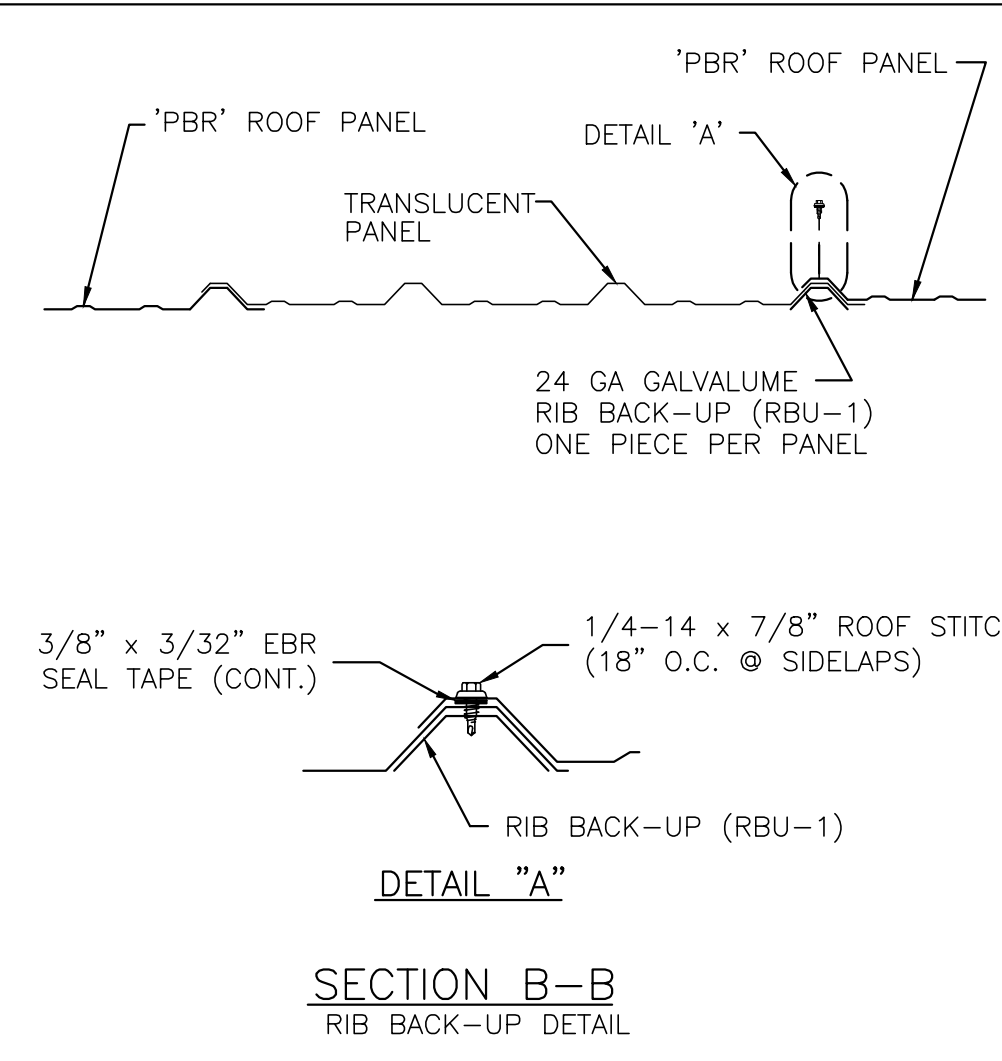
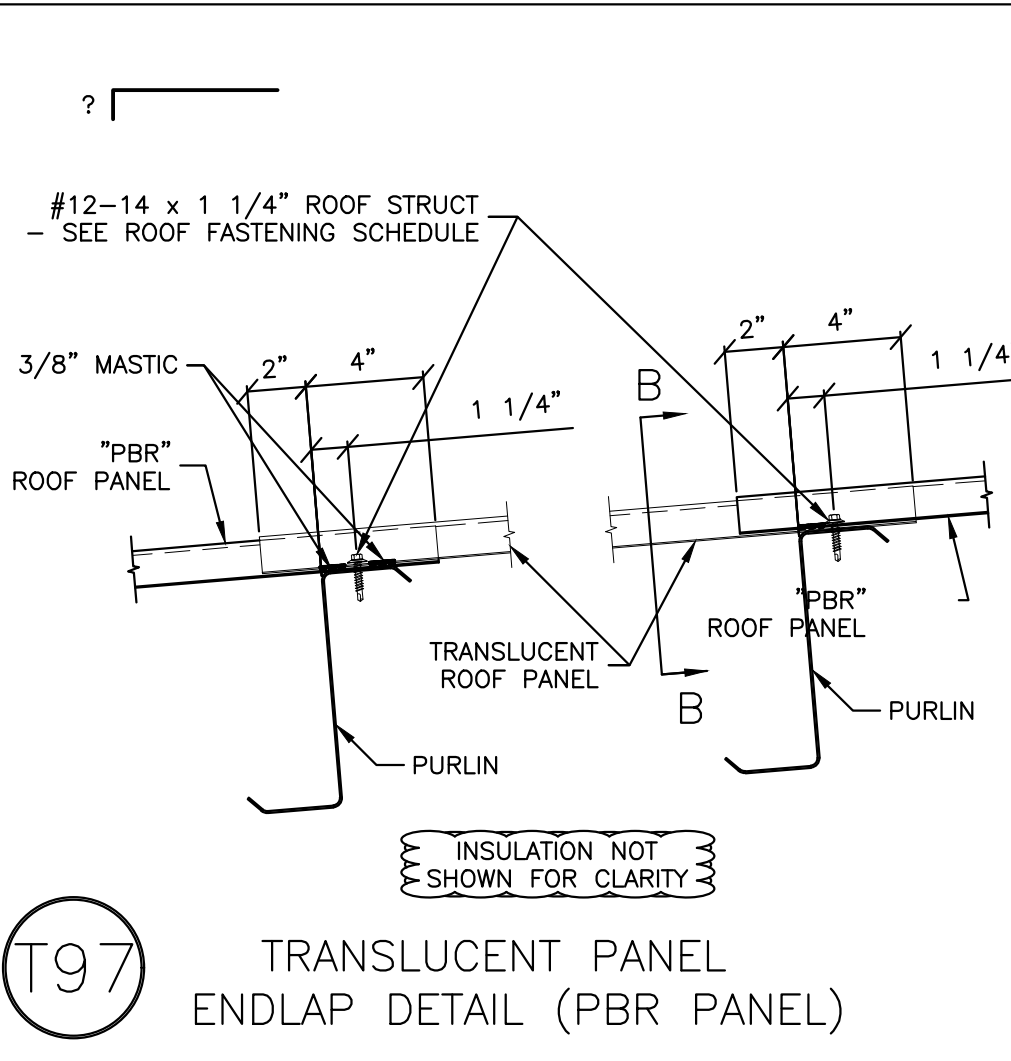
IRC HHW  
 INDIAN RIVER, FLORIDA  
 DETAIL DRAWINGS  
 CUSTOMER: KIMLEY HORN & ASSOCIATES, INC.

REVISIONS	
A	FOR APPROVAL 5.07.21 HDM
B	SIGNED & SEALED FOR PERMIT 7.6.21 TDB

DRAWING DATE: 5.07.21  
 DRAWN BY: HDM  
 CHECKED BY: SVW  
 DRAWING SCALE: N.T.S.  
 JOB NO.: 21-020-04  
 SHEET: D2



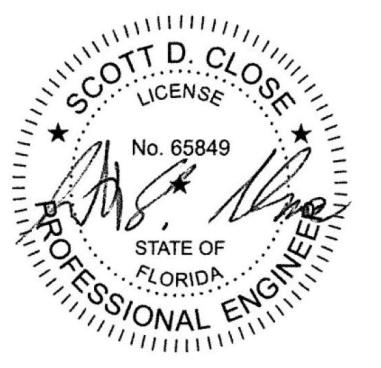
SCOTT D. CLOSE, P.E.  
 FL LICENSE NO. 65849  
 2812 TALLEVAST ROAD  
 SARASOTA, FL 34243



DESIGN PROVIDED BY :  
**SCOTT D. CLOSE**  
 FLORIDA P.E.# 65849  
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 OF THE SPECIALTY ENGINEER  
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IRC HHW  
 INDIAN RIVER, FLORIDA  
 DETAIL DRAWINGS  
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