SEAY, SEAY & LITCHFIELD, P.C.
1115 S. COURT ST. MONTGOMERY, AL 36104
(334) 263-5162
MAIL@SSLARCH.COM
WWW.SSLARCH.COM

SS&L ARCHITECTS

MEMORANDUM

DATE: 4 August 2025

TO: Major Jeremy Hendrix

FROM: David Donovan

Job No: ANG #FAKZ189366, SSL Job #19084.00

Job Name: Deployable Parkts Storage Facility

SUBJECT: Bid RFI Response #001

David Donovan

Digitally signed by David Donovan
DN: cn=David Donovan, o=SS&L, ou=SS&L, email=ddonovan@sslarch.com, c=US
Date: 2025.08.07 08:28:00 -05'00'

1) Question: Please indicate on the drawings the location of laydown yard and the jobsite trailer. The construction site is very tight and we would like to make sure their is space.
Response: Refer to Addendum No. 1 for site lay-down and access plan.

2) Question: Please upload the shop drawings/as builts for the existing metal building.
Response: Existing metal building shop drawings are included within these RFI responses.

3) Question: Please indicate the location for the new sub panel on the drawings as the existing electrical room is full.
Response: New electrical panel has been relocated. See Addendum No. 1 for revised electrical drawings indicating revised electrical panel location.

4) Question: The specs call the big ass fan a specialty item. I can't find anything implicating we need to provide it. If we do, can you provide the specific model they are requesting please?
Response: High velocity, low speed fan is intended to be Contractor Furnished, Contractor Installed. Refer to note 5 on exhaust fan schedule on sheet M2.1B for basis of design information.

5) Question: Can the professional provide specs and details on damp proofing at CMU below grade?
Response: Traditional damp proofing is not required. Provide weather barrier material as specified specification section 07 2500. Weather barrier material is intended to be applied to all CMU substrates of exterior wall components. Install weather barrier in accordance with manufacturer's written installation instructions and in accordance with part 3 of specification section 07 2500.

6) Question: In specs section 230900-6 It says this building need to be connected to the BACnet. Can a drawing be shown for comms?
Response: Refer to revised M2.1B "Mechanical Floor Plan – DSP Storage" included in Addendum #1.

7) Question: Can an SOW be provided for the security requirements?
Response: Refer to drawing 2/E1.1B. Required devices and device locations are indicated on this drawing. A preliminary bill of materials for required security equipment is included within the division 28 specifications. Bidders should contact the Government's security vendor (ADVANTOR Systems) for updated pricing information.

8) Question: Can a specific model be provided for the Big Ass Fan company?
Response: Refer to response to question #4 above.

9) Question: Can bids be submitted electronically?
Response: Electronic submissions will not be accepted. All bids shall be either hand carried/delivered or delivered via mail/shipping.

10) Question: Will the current Transformer on the west side of the building need to be relocated or moved during construction?
Response: The existing manual transfer switch located at the Southwest corner of the existing facility is intended to remain.

End of RFI Responses

IAS ACCREDITED Metal Building Systems AC 472

VULCAN STEEL STRUCTURES, INC.

MIAMI-DADE COUNTY APPROVED

MBMA METAL BUILDING MANUFACTURES ASSOCIATION

LETTER OF CERTIFICATION

VULCAN STEEL STRUCTURES, INC
Job Number 27766-1
Customer Name: BEAR BROTHERS
Job Location: MONTGOMERY, AL 36108

DATE: 10/13/22
DESIGNED BY: ZJM
DETAILED BY: KVB
CHECKED BY: ZJM

DESIGN PARAMETERS

BUILDING DESCRIPTION:

NOMINAL WIDTH:	125.58 feet
NOMINAL LENGTH:	211.33 feet
EAVE HEIGHT, BACK S.W:	33.08 feet
EAVE HEIGHT, FRONT S.W:	33.08 feet
ROOF SLOPE, LEFT:	1.5:12
ROOF SLOPE, RIGHT:	1.5:12

COMMENTS

DESIGN LOADS

BUILDING CODE:	IBC 15
FRAME SELF WEIGHT:	INCLUDED
ROOF DEAD LOAD:	4.800 psf
COLLATERAL LOAD:	10 psf
ROOF LIVE LOAD:	20.00 psf
FRAME LIVE LOAD:	20 psf
SNOW LOAD, ROOF:	3.5 psf
WIND SPEED: (3 SEC GUST)	116 mph (Vult)
	89.85 mph (Vasd)
INTERNAL PRESSURE COEFF. :	0.18/-0.18
WIND EXPOSURE:	C
CLOSURE "C, O, P" :	Closed
RISK CATEGORY :	II - Normal

SNOW :

FLAT ROOF SNOW LOAD Pf :	3.5 psf
GROUND SNOW LOAD Pg :	5.00 psf
SNOW LOAD IMP. FACTOR	1.00
THERMAL FACTOR Ct :	1.00
SNOW EXP. FACTOR Ce :	1.00

SPECIAL DEFLECTION CRITERIA :

FRAME DRIFT :	H/240
FRAME VERTICAL :	L/240
ROOF PURLINS :	L/240
wall girts	L/240

SEISMIC PARAMETERS

SEISMIC-FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

SITE CLASS (ASSUMED) :	D
SEISMIC IMPORTANCE:	1.00
SEISMIC DESIGN CATEGORY:	B
DESIGNED SPECTRAL ACCELERATION PARAMETER "SDS" - (SHORT PERIODS):	0.11
DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" - (1 SEC PERIODS):	0.09
MAPPED SPECTRAL RESPONSE ACCELERATION: "SS" - (SHORT PERIODS):	0.13
MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" - (1 SEC PERIOD):	0.08
SEISMIC RESPONSE MODIFICATION COEFFICIENT: "R" -	3.00
SEISMIC RESPONSE COEFFICIENT: "Cs" -	0.036
TOTAL LONGITUDINAL BASE SHEAR :	14.68
TOTAL TRANSVERSE BASE SHEAR :	17.88

GENERAL NOTES

1. MATERIALS

	ASTM DESIGNATION	
STRUCTURAL STEEL PLATE	A529 OR A572	GRADE 50 or GRADE 55
COLD FORMED LIGHT GAGE SHAPES	A1011	GRADE 55
BRACE CABLES	A475 EHS	
HOT ROLLED MILL SHAPES	ASTM A992	GRADE 50
ROOF AND WALL SHEETS	A653 OR A792	GRADE 50 or GRADE 80
BOLTS	A307, F3125 GRADE A325 OR A490	A307 UNLESS NOTED

2. STRUCTURAL PRIMER

SHOP PRIMER PAINT IS A MINIMAL NON-UNIFORM THICKNESS COATING OF A RUST INHIBITIVE PRIMER (UNLESS NOTED OTHERWISE) SATISFYING THE REQUIREMENTS OF TT-P-664. THIS PRIMER IS NOT TO BE CONSIDERED A FINISH COAT AND IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. THIS PRIMER IS NOT WARRANTED OR REPRESENTED AS BEING COMPATIBLE WITH ANY TYPE OF FINISH PAINT SYSTEM. THE PRIMER COAT APPLIED AT THE FACTORY IS SUBJECT TO BLEMISHES, SCUFFS, SCRATCHES AND THE LIKE DURING SHIPPING AND DURING HANDLING AS PART OF THE ERECTION PROCESS. IT IS THE RESPONSIBILITY OF THE ERECTOR TO TOUCH UP ANY SUCH UNDESIRABLE CONDITIONS DURING OR AFTER THE ERECTION PROCESS. OBJECTIONS TO PRIMER APPEARANCE SHALL NOT BE SUBJECT TO REJECTION OR BE CONSIDERED A CAUSE FOR REJECTION.

3. F3125 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE GRADE A325 UNLESS SPECIFICALLY NOTED OTHERWISE.

STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS. A325T BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE NUT METHOD.

ALL HIGH STRENGTH BOLTS, EXCEPT AS NOTED OTHERWISE, ARE SUBJECT TO DIRECT TENSION AND MAY REQUIRE INSPECTION AS DEFINED BY THE APPLICABLE BUILDING CODE OR STANDARD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS.

4. BUILDER/CONTRACTOR RESPONSIBILITIES

THE METAL BUILDING MANUFACTURER'S STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS, THE METAL BUILDING MANUFACTURER'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK.

IN CASE OF DISCREPANCIES BETWEEN METAL BUILDINGS MANUFACTURER STRUCTURAL PLANS AND PLANS FOR OTHER TRADES, THE METAL BUILDING MANUFACTURER'S PLANS SHALL GOVERN.

IT IS THE RESPONSIBILITY OF THE BUILDER / CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.

APPROVAL OF METAL BUILDING MANUFACTURER'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF THE METAL BUILDING MANUFACTURER'S INTERPRETATION OF THE CONTRACT PURCHASE ORDER.

ONCE THE BUILDER / CONTRACTOR OR A/E FIRM HAS SIGNED MANUFACTURER'S APPROVAL PACKAGE, CHANGES FROM THE PURCHASE ORDER BY THE BUILDER WILL BE BILLED TO THE BUILDER / CONTRACTOR FOR MATERIAL, ENGINEERING AND HANDLING FEES. SUCH CHANGES MAY CAUSE THE PROJECT TO BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE. A PENALTY FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE, AS LONG AS THE MANUFACTURER'S DESIGN AND DETAILING APPROACH COMPLIES WITH THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR OR A/E FIRM ARE RESPONSIBLE FOR THE OVERALL PROJECT CONDITION. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIALS NOT FURNISHED BY THE MANUFACTURER ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER / CONTRACTOR OR A/E FIRM. UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE PURCHASE ORDER. THE METAL BUILDING MANUFACTURER'S ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY. SUPPLYING SEALED ENGINEERING DESIGN DATA AND DRAWINGS BY THE BUILDING MANUFACTURER DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS TO THE STRUCTURAL SYSTEM FURNISHED BY THE METAL BUILDING MANUFACTURER IN COMPLIANCE WITH ALL REQUIREMENTS OF THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH THE METAL BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH, AND INSTALL.

THE METAL BUILDING MANUFACTURER DOES NOT WARRANT STRUCTURAL INTEGRITY OF ANY COMPONENTS FIELD MODIFIED OR DESIGNED AND FABRICATED BY OTHERS. NEITHER DO WE ACCEPT DESIGN RESPONSIBILTY FOR THE EFFECTS NON STANDARD COMPONENTS DESIGNED BY OTHERS MAY HAVE ON THE SYSTEM IN GENERAL.

AS TAKEN FROM THE FOURTEENTH EDITION OF THE AISC MANUAL PAGE 16.3-56 PARAGRAPH 7.14 - READS AS FOLLOWS
"THE CORRECTION OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, GRINDING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE WITH DRIFT PINS, SHALL BE CONSIDERED TO BE NORMAL ERECTION OPERATIONS."

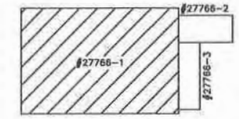
IF NDT (NON-DESTRUCTIVE WELD TESTING) IS REQUIRED, IT IS NOT PROVIDED BY THE SELLER AND IS THE SOLE RESPONSIBILITY OF THE BUYER.

FRAMING PRIMER COLOR OR TYPE:
PRIMARY = RED PRIMER
SECONDARY = RED PRIMER

SHEETING AND TRIM COLORS			
ROOF PANEL:			
GAUGE		PANEL TYPE	
22	GA.	B DECK	BY OTHERS
WALL PANEL:			
INSULATED PANEL BY OTHERS			

See all notes in red added per Zach Watson with Vulcan Steel Structures

*See important layout note on following page. BBI/DRS



KEY PLAN

THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER, THE METAL BUILDING DESIGNER OR THE METAL BUILDING ENGINEER. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS DOES NOT HAVE FAMILIARITY WITH THE PHYSICAL JOBSITE LOCATION AND THEREFORE CANNOT BE IDENTIFIED AS, SERVE AS OR QUALIFY AS THE PROJECT DESIGNER.

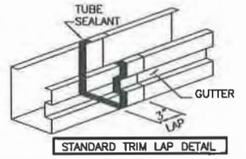
ENGINEER'S STAMP

SPECIAL NOTES:

BUILDING IS NOT STRUCTURALLY SOUND UNTIL ALL WALL COVERING, ROOF SHEETS, AND PERMANENT BRACING IS INSTALLED. BUILDER / CONTRACTOR IS RESPONSIBLE FOR SUPPORTS OR TEMPORARY BRACING DURING ERECTION, HE SHALL FURNISH, AND INSTALL THESE TEMPORARY SUPPORTS WHERE NECESSARY. TEMPORARY SUPPORTS ARE NOT PROVIDED BY THE METAL BUILDING MANUFACTURER.

OUTSIDE VENDOR ACCESSORY NOTE:

BUYER SHALL BE RESPONSIBLE TO COORDINATE, ASSURE AND VERIFY THAT THE STRUCTURE AND CLEARANCES AS PROVIDED BY BUILDING MANUFACTURER ARE COMPATIBLE WITH THE DOOR PROVIDED BY OTHERS.



STANDARD TRIM LAP DETAIL

(TRIM VARIES)

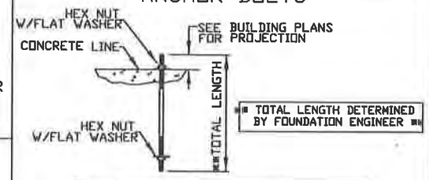
NOTE: ALL TRIM CONTAINED ON THIS PROJECT WILL HAVE OUR STANDARD 3" LAP AS SHOWN ABOVE. (TRIM STYLE VARIES)

*Please note that CL's 1, 25, A & Q are given from outside edge of wall girts. See 2/S2.1 for reference. IMPORTANT FOR BBI AND SOUTHERN OAK TO MAKE PROPER REFERENCE TO THE COLUMN LINE LOCATIONS GIVEN ON THESE DRAWINGS WHEN PERFORMING LAYOUT. BBI/DRS

ANCHOR BOLTS NOTES

MANUFACTURER RECOMMENDS USE OF STRAIGHT ROD ANCHOR BOLTS WITH NUT AND WASHER ON BOTH ENDS AS OPPOSED TO J-BOLTS OR ANCHOR BOLTS WITH HOOKS BECAUSE OF BETTER PERFORMANCE RESULTS IN CONCRETE FOUNDATIONS. THE TYPE OF BOLT USED FOR THE PROJECT SHALL BE DETERMINED BY THE FOUNDATION ENGINEER WITH THE BOLT STRENGTH MEETING OR EXCEEDING THAT OF AN ASTM F1554 GRADE 36 (MIN.) BOLT.

ANCHOR BOLTS



ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36 (MIN.) OR GRADE 55

ANCHOR BOLT SUMMARY #27766-1

	Qty	Locate	Dia (in)	Type	Proj (in)
O	12	Jamb	5/8"	F1554	3.00
⊠	44	Endwall	3/4"	F1554	3.00
X	72	Frame	1"	F1554	4.00
⊠	16	Frame	3/4"	F1554	3.50

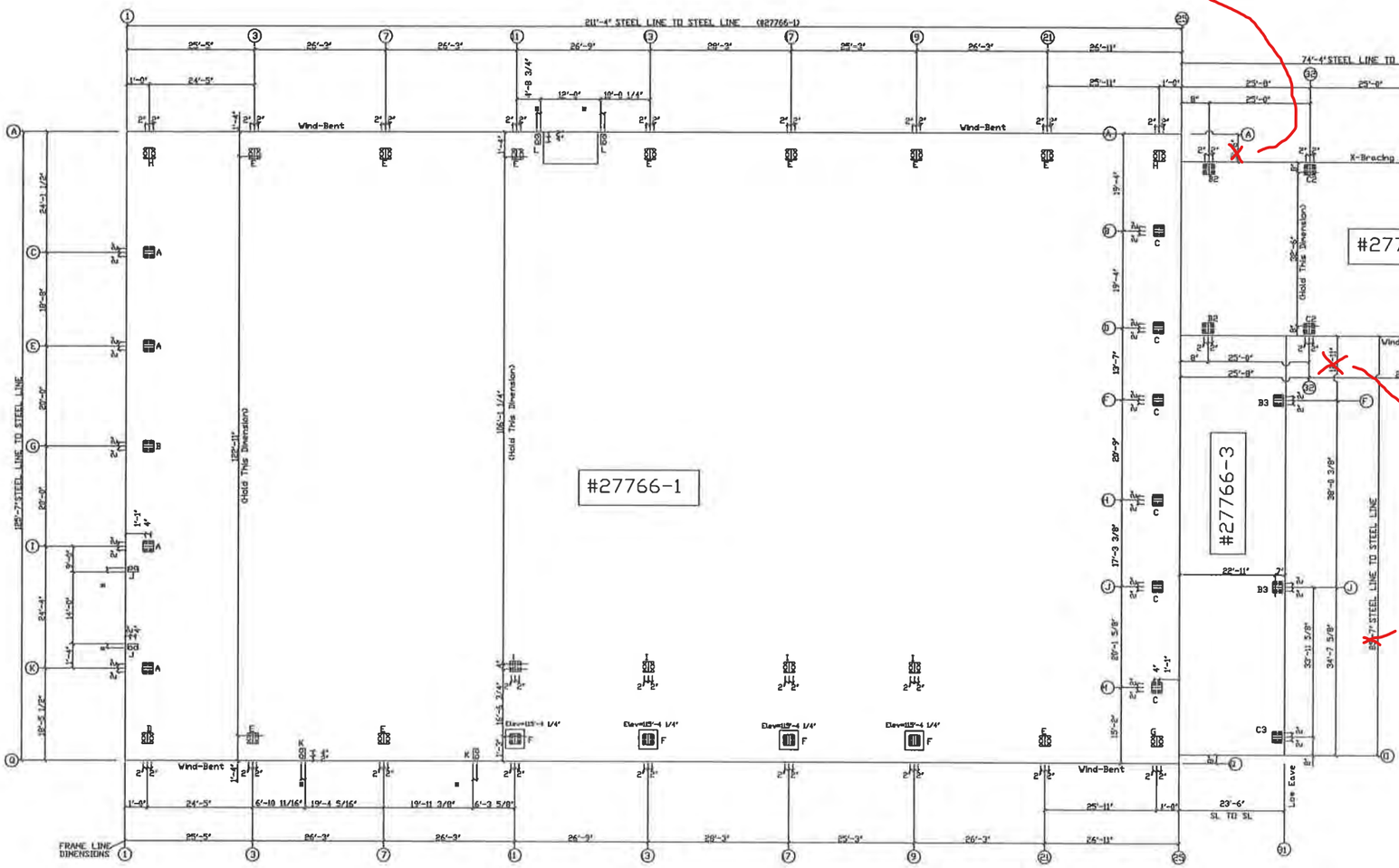
ANCHOR BOLT SUMMARY #27766-2

	Qty	Locate	Dia (in)	Type	Proj (in)
O	4	Endwall	5/8"	F1554	3.00
⊠	32	Frame	3/4"	F1554	3.00

ANCHOR BOLT SUMMARY #27766-3

	Qty	Locate	Dia (in)	Type	Proj (in)
⊠	12	Frame	3/4"	F1554	3.00

This dimension will change to 4'-10"

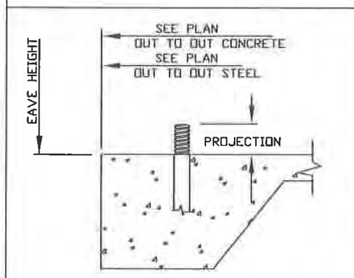


This dimension will change to 13'-7"

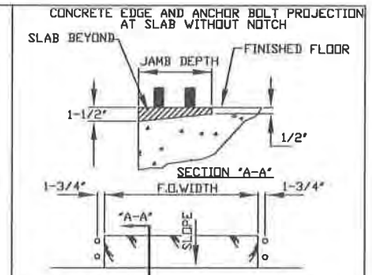
This dimension will change to 86'-3"

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

* 1-3/4"



CONCRETE EDGE AND ANCHOR BOLT PROJECTION



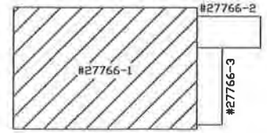
TYP. OVERHEAD DOOR RECESS DETAIL

FIELD LOCATED OPENINGS :

QTY:	DESCRIPTION:
1	130'-6 3/4"x5'-0" W/ 25'-0" SILL LOCATED AT FSW
2	64'-0 3/4"x5'-0" W/ 25'-0" SILL LOCATED AT REW
8	21'-3"x5'-0" W/ 24'-0" SILL LOCATED AT BSW
3	3'-4"x7'-2"
5	2'-0"x2'-0" W/ 9'-4" SILL LOCATED AT BSW
1	60'-0"x5'-0" W/ 29'-6" SILL LOCATED AT LEW
1	5'-0"x10'-11 3/8" W/ 18'-0" SILL LOCATED AT FSW
1	3'-7"x2'-0" W/ 9'-4" SILL LOCATED AT BSW

REVISIONS

REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD



KEY PLAN

SEAL

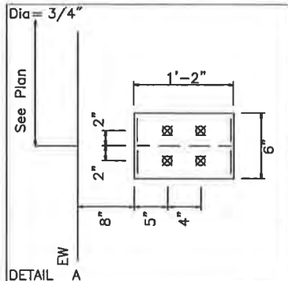
ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

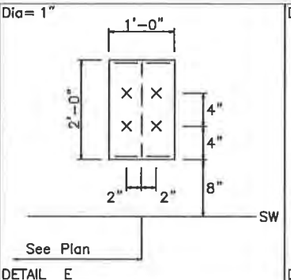
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS			
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT PLAN			
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: RM	
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/20/22	SHEET	1 OF 14	

Dia= 3/4"



DETAIL A

Dia= 1"



DETAIL E

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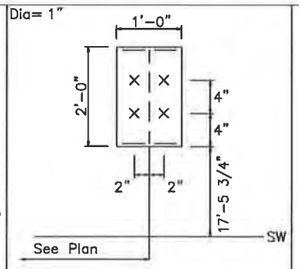

DETAIL I

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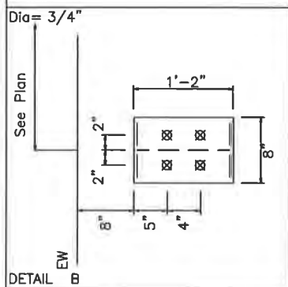

DETAIL B

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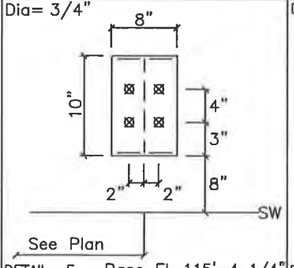
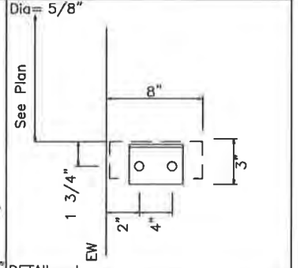


DETAIL F Base EL. 115'-4 1/4"

Dia= 5/8"



DETAIL J

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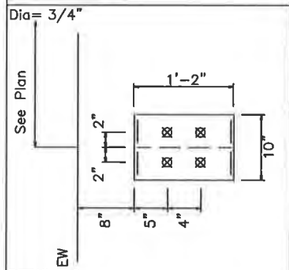

DETAIL C

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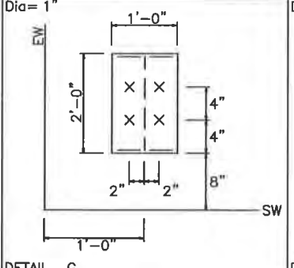

DETAIL G

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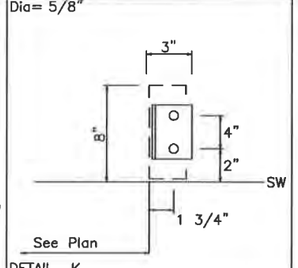

DETAIL K

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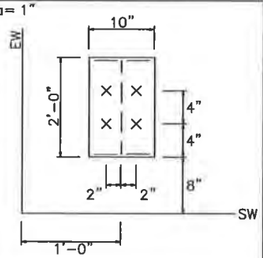

DETAIL D

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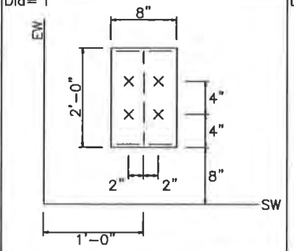

DETAIL H

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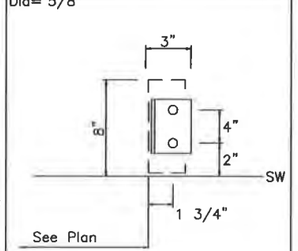
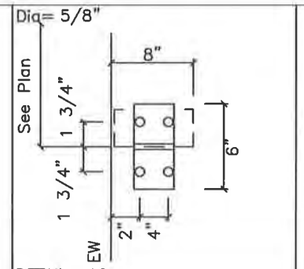


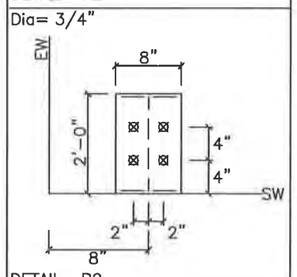
DETAIL L

Dia= 5/8"



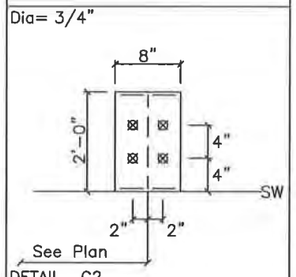
DETAIL A2

Dia= 3/4"



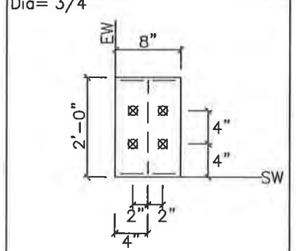
DETAIL B2

Dia= 3/4"



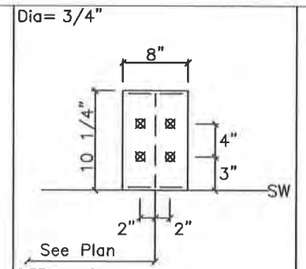
DETAIL C2

Dia= 3/4"



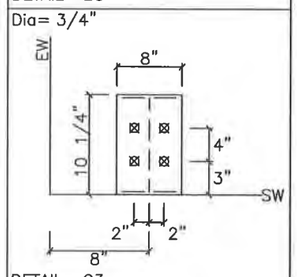
DETAIL D2

Dia= 3/4"

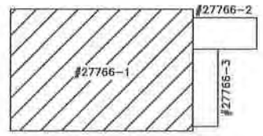


DETAIL B3

Dia= 3/4"



DETAIL C3



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

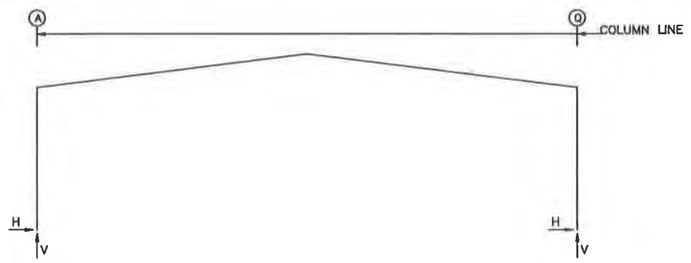
10/20/22

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS	
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT DETAILS	
ID	27766-1	DESIGN: ZJM	DRAFT: KVB / CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/20/22	SHEET 2

FRAME LINES: 3 7 21

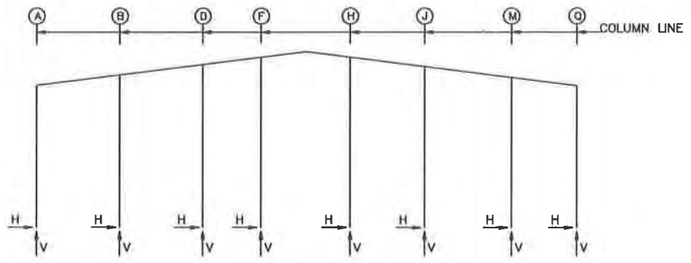


ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Wind Press Horz	Wind Suct Horz	MIN_SNOW Horz	MIN_SNOW Vert	E1UNB_SL_L Horz	E1UNB_SL_L Vert	E1UNB_SL_R Horz	E1UNB_SL_R Vert
1	C	−6.5	7.2	0.0	2.0	0.0	1.2	0.0	0.5
1	E	−6.9	7.6	0.0	1.4	0.0	2.0	0.0	0.0
1	G	−7.6	8.4	0.0	1.6	0.0	2.4	0.0	2.4
1	I	−7.9	8.7	0.0	1.9	0.0	0.1	0.0	2.2
1	K	−6.2	7.0	0.0	2.0	0.0	0.5	0.0	1.2

Frm Line	Col Line	Wind_Press Horz	Wind_Press Vert	Wind_Suct Horz	Wind_Suct Vert	MIN_SNOW Horz	MIN_SNOW Vert	E2UNB_SL_L Horz	E2UNB_SL_L Vert	E2UNB_SL_R Horz	E2UNB_SL_R Vert
25	M	−1.3	0.0	1.5	0.0	0.0	1.7	0.0	1.2	0.0	0.4
25	J	−5.6	−12.7	6.4	−9.0	0.0	1.6	0.0	1.0	0.0	0.2
25	H	−2.5	0.0	2.7	0.0	0.0	1.7	0.0	3.2	0.0	1.0
25	F	−6.3	−12.7	7.1	−9.0	0.0	1.5	0.0	0.9	0.0	3.1
25	D	−5.3	0.0	5.8	0.0	0.0	1.3	0.0	0.1	0.0	0.7
25	B	−7.6	0.0	8.5	0.0	0.0	1.9	0.0	0.4	0.0	1.4

FRAME LINES: 25



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Elev. (in)
1	A	4	1.000	8.000	24.00	0.500	0.0
1	Q	4	1.000	10.00	24.00	0.500	0.0
1	C	4	0.750	6.000	14.00	0.500	0.0
1	E	4	0.750	6.000	14.00	0.500	0.0
1	G	4	0.750	8.000	14.00	0.500	0.0
1	I	4	0.750	6.000	14.00	0.500	0.0
1	K	4	0.750	6.000	14.00	0.500	0.0

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Elev. (in)
3*	A	4	1.000	12.00	24.00	0.625	0.0
3*	Q	4	1.000	12.00	24.00	0.625	0.0

3* Frame lines: 3 7 21

DESIGN LOAD DEFINITIONS

RIGID FRAME LOAD CASE DEFINITIONS

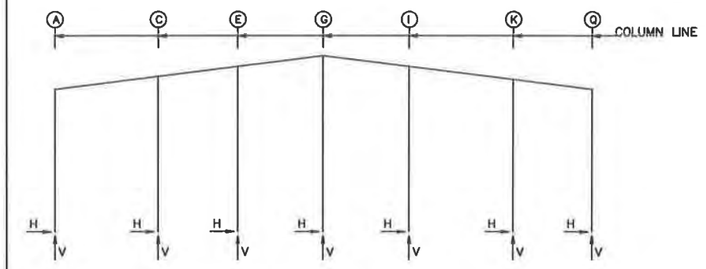
Wind_L1/Wind_R1 = Lateral wind load from the left/right with a negative internal pressure coefficient.
Wind_L2/Wind_R2 = Lateral wind load from the left/right with a positive internal pressure coefficient.
Wind_Ln1 = Longitudinal wind load with a negative internal pressure coefficient.
Wind_Ln2 = Longitudinal wind load with a positive internal pressure coefficient.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
LWIND#_L#E/ LWIND#_R#E = Longitudinal wind loads for edge zones.
F#UNB_SL_L/ F#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
F#PAT_LL # = Pattern live load for continuous beam systems.

"Note: Bracing reactions are not already included in combination with any other load but must be added to basic reactions as desired by the foundation designer."

Endwall Load Case Definitions

Collat = Collateral Load
Rafter Wind_L/ Rafter Wind_R = Lateral wind load from the left/right.
Brace Wind_L/ Brace Wind_R = Lateral wind load from the left/right with the bracing loads added.
Wind_P/Wind_S = Wind Pressure/Suction due to longitudinal wind.
Wind_Ln# = Longitudinal wind load on the roof.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
E#UNB_SL_L/ E#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
E#PAT_LL # = Pattern live load for continuous beam systems.
LWIND#_L/LWIND#_R = Longitudinal wind loads for edge zones.

FRAME LINES: 1



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
1	A	0.0	1.9	0.1	1.7	0.1	3.4	0.0	0.6	0.1	−0.4	−5.0	−10.6
1	Q	0.0	2.1	−0.1	1.3	−0.1	2.5	0.0	0.4	−0.1	0.1	−10.8	9.5
1	C	0.0	4.1	0.0	5.4	0.0	10.7	0.0	1.9	0.0	4.6	0.0	−13.6
1	E	0.0	4.1	0.0	5.2	0.0	10.4	0.0	1.8	0.0	5.8	0.0	−18.6
1	G	0.0	4.6	0.0	5.6	0.0	11.1	0.0	2.0	0.0	6.0	0.0	−13.8
1	I	0.0	4.9	0.0	6.1	0.0	12.1	0.0	2.1	0.0	6.7	0.0	−11.6
1	K	0.0	4.3	0.0	5.6	0.0	11.1	0.0	1.9	0.0	4.7	0.0	−23.9

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
1	A	5.0	0.1	−5.7	−7.3	4.2	3.4	1.7	−8.7	0.9	−6.7	−1.0	−1.5
1	Q	10.1	−17.3	−8.7	12.2	12.2	−14.5	−3.0	6.6	−4.6	−5.5	−1.9	4.1
1	C	0.0	−15.9	0.0	−9.0	0.0	−11.3	0.0	−15.5	0.0	−10.8	0.0	1.7
1	E	0.0	−9.3	0.0	−13.5	0.0	−4.2	0.0	−15.0	0.0	−12.6	0.0	−0.2
1	G	0.0	−13.3	0.0	−9.6	0.0	−9.1	0.0	−12.3	0.0	−12.1	0.0	−0.3
1	I	0.0	−20.9	0.0	−5.6	0.0	−14.9	0.0	−14.5	0.0	−17.5	0.0	0.0
1	K	0.0	−6.8	0.0	−18.8	0.0	−1.8	0.0	−10.8	0.0	−17.5	0.0	−3.8

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	MIN_SNOW Horiz	MIN_SNOW Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
1	A	0.9	1.7	0.0	0.9	0.0	0.7	0.0	0.2
1	Q	2.0	−3.9	0.0	0.6	0.0	0.1	0.0	0.5
1	C	0.0	−1.7	0.0	1.8	0.0	1.1	0.0	0.4
1	E	0.0	0.2	0.0	1.5	0.0	2.0	0.0	0.1
1	G	0.0	−0.1	0.0	1.7	0.0	2.4	0.0	2.4
1	I	0.0	0.0	0.0	1.8	0.0	0.1	0.0	2.2
1	K	0.0	3.8	0.0	1.9	0.0	0.4	0.0	1.1

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
3*	A	6.7	16.9	9.0	17.7	17.6	34.5	3.1	6.0	−24.0	−42.2	−10.8	−30.4
3*	Q	−6.7	16.9	−9.0	17.7	−17.6	34.5	−3.1	6.0	8.0	−30.4	25.2	−42.1

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
3*	A	−17.4	−23.9	−4.2	−12.2	−12.6	−39.5	−14.6	−32.4	−1.1	−0.5	1.1	0.5
3*	Q	3.7	−12.3	20.9	−24.0	10.6	−32.2	8.6	−39.3	−1.1	0.5	1.1	−0.5

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F2UNB_SL_L Horiz	F2UNB_SL_L Vert	F2UNB_SL_R Horiz	F2UNB_SL_R Vert
3*	A	4.4	8.6	3.4	7.1	3.4	4.5
3*	Q	−4.4	8.6	−3.4	4.5	−3.4	7.1

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
25	A	0.0	1.7	0.0	1.5	0.0	2.9	0.0	0.5	−0.1	−0.1	−3.9	−9.2
25	Q	0.0	3.7	0.0	3.3	0.0	6.7	0.0	1.2	0.1	5.4	−7.6	7.0
25	B	0.0	2.8	0.0	3.5	0.0	7.0	0.0	1.2	0.0	0.0	0.0	−8.0
25	D	0.0	2.3	0.0	2.7	0.0	5.4	0.0	0.9	0.0	0.4	0.0	−10.6
25	F	0.0	5.0	0.0	7.1	0.0	14.1	0.0	2.5	0.0	10.2	0.0	−22.6
25	H	0.0	2.8	0.0	3.4	0.0	6.7	0.0	1.2	0.0	0.5	0.0	−8.1
25	J	0.0	5.2	0.0	7.3	0.0	14.5	0.0	2.5	0.0	10.2	0.0	−18.9
25	M	0.0	2.5	0.0	3.0	0.0	5.9	0.0	1.0	0.0	0.0	0.0	−23.0

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
25	A	4.7	0.4	−5.3	−7.0	3.4	2.5	3.1	−5.1	2.0	−5.2	−0.8	−1.5
25	Q	8.3	−31.6	−8.9	11.9	7.0	−26.7	3.8	−20.2	0.8	−12.2	−2.2	4.8
25	B	0.0	−11.9	0.0	−4.3	0.0	−8.2	0.0	−14.1	0.0	−6.1	0.0	1.7
25	D	0.0	−5.5	0.0	−7.8	0.0	−2.8	0.0	−10.2	0.0	−5.6	0.0	−0.1
25	F	0.0	−18.1	0.0	−20.0	0.0	−15.5	0.0	−21.3	0.0	−14.5	−0.3	−0.1
25	H	0.0	−10.9	0.0	−5.3	0.0	−8.1	0.0	−6.7	0.0	−10.2	0.0	−0.1
25	J	0.0	−23.9	0.0	−15.4	0.0	−20.4	0.0	−18.8	0.0	−21.1	−0.3	−0.1
25	M	0.0	8.3	0.0	−23.0	0.0	8.3	0.0	3.1	0.0	−8.6	0.0	−4.7

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	MIN_SNOW Horiz	MIN_SNOW Vert	F4UNB_SL_L Horiz	F4UNB_SL_L Vert	F4UNB_SL_R Horiz	F4UNB_SL_R Vert
25	A	0.8	1.5	0.0	0.8	0.0	0.5	0.0	0.2
25	Q	2.2	−4.9	0.0	0.6	0.0	0.1	0.0	0.4
25	B	0.0	−1.6	0.0	1.7	0.0	1.2	0.0	0.4
25	D	0.0	0.1	0.0	1.3	0.0	0.9	0.0	0.1
25	F	0.3	0.0	0.0	1.5	0.0	2.9	0.0	1.0
25	H	0.0	0.0	0.0	1.6	0.0	1.0	0.0	2.8
25	J	0.3	0.1	0.0	1.7	0.0	0.2	0.0	1.2
25	M	0.0	4.8	0.0	1.5	0.0	0.3	0.0	1.0

3* Frame lines: 3 7 21

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Elev. (in)
25	A	4	1.000	8.000	24.00	0.500	0.0
25	Q	4	1.000	12.00	24.00	0.625	0.0
25	B	4	0.750	10.00	14.00	0.500	0.0
25	D	4	0.750	10.00	14.00	0.500	0.0
25	F	4	0.750	10.00	14.00	0.500	0.0
25	H	4	0.750	10.00	14.00	0.500	0.0
25	J	4	0.750	10.00	14.00	0.625	0.0
25	M	4	0.750	10.00	14.00	0.500	0.0

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate (in) Width	Base Plate (in) Length	Base Plate (in) Thick	Elev. (in)
1	C	4	0.750	6.000	14.00	0.500	0.0
1	E	4	0.750	6.000	14.00	0.500	0.0
1	G	4	0.750	8.000	14.00	0.500	0.0
1	I	4	0.750	6.000	14.00	0.500	0.0
1	K	4	0.750	6.000	14.00	0.500	0.0
25	M	4	0.750	10.00	14.00	0.500	0.0
25	J	4	0.750	10.00	14.00	0.625	0.0
25	H	4	0.750	10.00	14.00	0.500	0.0
25	F	4	0.750	10.00	14.00	0.500	0.0
25	D	4	0.750	10.00	14.00	0.500	0.0
25	B	4	0.750	10.00	14.00	0.500	0.0

BUILDING BRACING REACTIONS

Wall Loc	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1							(h)
F_SW	Q	1,3 5.7	14.4	1.8	4.6			(b)
		21,25 5.7	13.6	1.8	4.4			(b)
R_EW	25							(h)
B_SW	A	19,21 5.7	13.5	1.8	4.3			(b)
		3,7 5.7	13.5	1.8	4.3			(b)

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

GENERAL NOTES

(1.) APPLICATION OF ENGINEERS SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

(2.) FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER.

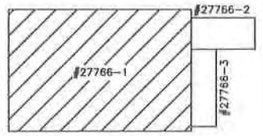
(3.) ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/− 1/8" IN BOTH ELEVATION AND LOCATION.

(4.) THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION. THE FOUNDATION IS TO BE DESIGNED BY A QUALIFIED ENGINEER TO SUPPORT THE BUILDING REACTIONS IN ADDITION TO OTHER LOADS IMPOSED BY THE BUILDING USE OR OCCUPANCY WITH RESPECT TO JOB SITE CONDITIONS.

(5.) ALL ANCHOR BOLTS TO BE ASTM F1554 GRADE 36 MIN. OR GRADE 55 (UNLESS NOTED)

(6.) VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AS WELL AS OTHER FACTORS.

(7.) WIND REACTIONS ARE BASED ON Vult.



KEY PLAN

SEAL

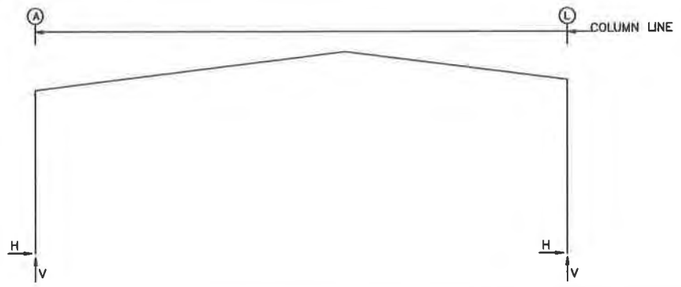
ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS
10/26/22

REVISIONS REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT DETAILS & REACTIONS		
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/20/22	SHEET	3

FRAME LINES: 11 13 17 19



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
11*	A	4.4	14.3	6.4	15.3	12.3	29.8	2.2	5.2	−19.3	−37.6	−2.7	−25.6
11*	L	−4.4	27.6	−6.4	17.4	−12.2	46.2	−2.2	6.0	11.6	−31.1	15.4	−41.4

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
11*	A	−18.9	−22.4	−2.3	−10.4	−2.0	−34.3	−2.6	−26.2	−1.2	−0.7	1.2	0.7
11*	L	3.8	−12.5	7.6	−22.8	16.5	−35.6	13.5	−39.2	−1.0	0.7	1.0	−0.6

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F3UNB_SL_L Horiz	F3UNB_SL_L Vert	F3UNB_SL_R Horiz	F3UNB_SL_R Vert
11*	A	3.1	7.5	2.8	6.4	2.3	3.5
11*	L	−3.1	7.4	−2.8	4.7	−2.3	6.4

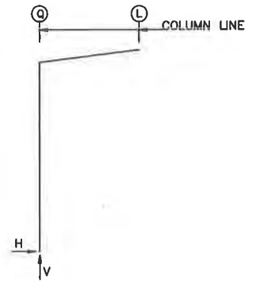
11* Frame lines: 11 13 17 19

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc._Bolt Qty	Anc._Bolt Dia	Base_Plate (in) Width	Base_Plate (in) Length	Base_Plate (in) Thick	Elev. (in)
11*	A	4	1.000	12.00	24.00	0.500	0.0
11*	L	4	1.000	12.00	24.00	0.500	0.0

11* Frame lines: 11 13 17 19

FRAME LINES: 19 17 13 11



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
19*	Q	0.0	1.5	0.0	2.6	0.1	5.1	0.0	0.9	−0.6	−6.4	0.9	−4.7

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
19*	Q	−1.2	−3.4	0.2	−1.7	1.1	−7.1	1.1	−4.7	0.0	0.0	0.0	0.0

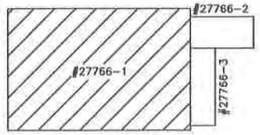
Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert
19*	Q	0.0	1.3

19* Frame lines: 19 17 13 11

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc._Bolt Qty	Anc._Bolt Dia	Base_Plate (in) Width	Base_Plate (in) Length	Base_Plate (in) Thick	Elev. (in)
19*	Q	4	0.750	8.000	10.00	0.500	184.3

19* Frame lines: 19 17 13 11



KEY PLAN

SEAL

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT DETAILS & REACTIONS
ID	27766-1	DESIGN: ZJM / DRAFT: KVB / CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/20/22 / SHEET 4

SPLICE BOLT TABLE

Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	0.625	2.25
SP-2	4	4	0	A325	0.625	2.25
SP-3	4	4	2	A325	0.750	2.50

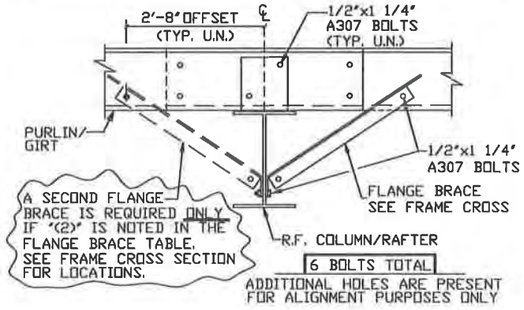
CAP PLATE BOLTS

Mark	Qty	Type	Dia	Length
EC-100	4	A325	0.625	2.25
EC-101	4	A325	0.625	2.25
EC-102	4	A325	0.750	2.50
EC-103	4	A325	0.625	2.25
EC-104	4	A325	0.625	2.25

FLANGE BRACE TABLE
FRAME LINE 1

▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB44A	3'-8"	2'-8"
2	1	FB68.5A	5'-8 1/2"	3'-8"
3	1	FB66.5A	5'-6 1/2"	3'-8"
4	1	FB45A	3'-9"	2'-8"
5	1	FB49A	4'-1"	2'-8"
6	1	FB47.5A	3'-11 1/2"	2'-8"
7	1	FB69A	5'-9"	3'-8"
8	1	FB71.5A	5'-11 1/2"	3'-8"

TYP. FLANGE BRACE CONNECTION TO PURLIN / GIRT

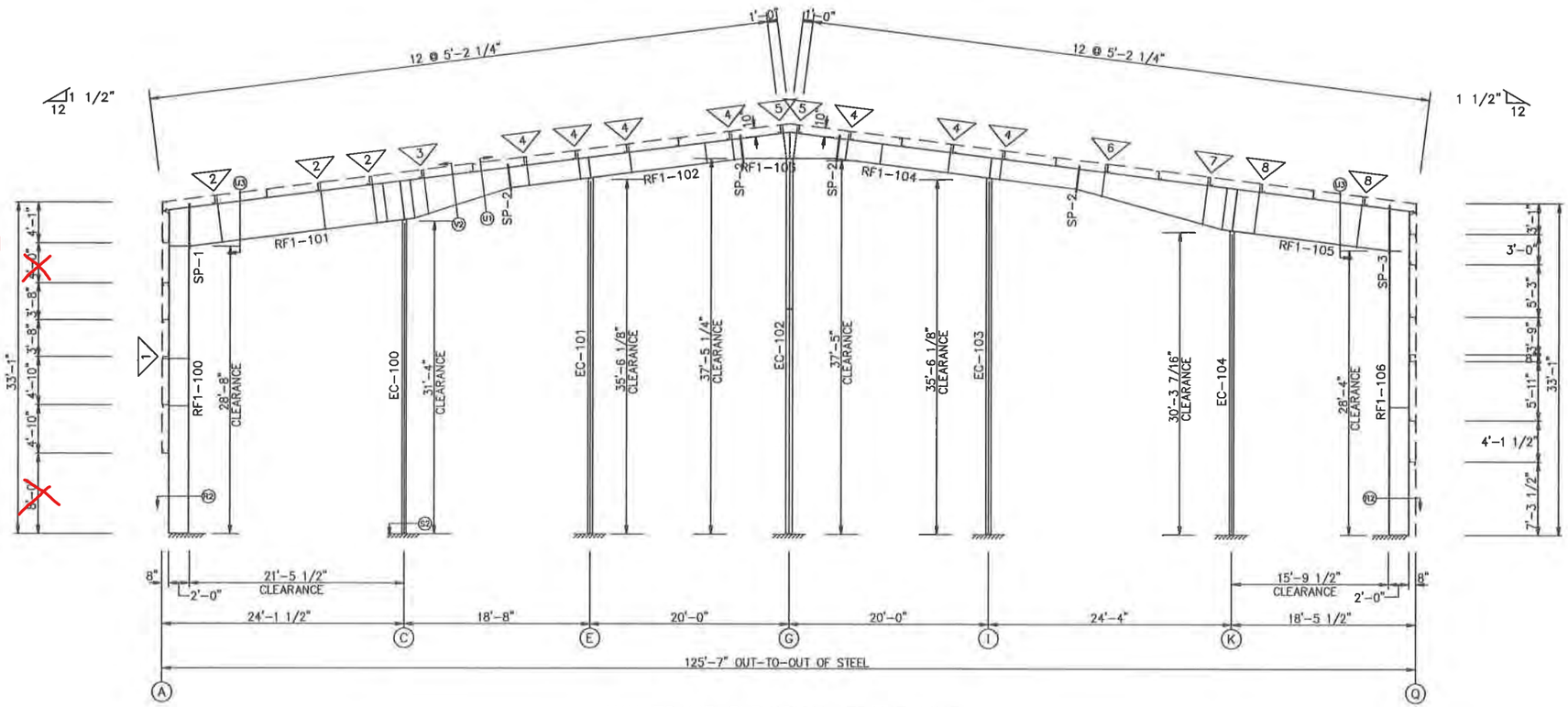


MEMBER TABLE

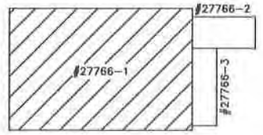
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-100	23.5/23.5	0.165	152.0	6 x 1/4" x 387.0	6 x 1/4" x 339.6
	23.5/23.5	0.165	238.0	6 x 1/4" x 32.0	
RF1-101	46.0/46.0	0.188	238.0	6 x 1/4" x 383.5	6 x 1/4" x 255.7
	46.0/46.0	0.188	32.8		6 x 1/4" x 120.4
	46.0/24.1	0.188	118.5		
RF1-102	24.0/24.0	0.165	238.0	6 x 1/4" x 281.4	6 x 1/4" x 93.9
	24.0/24.0	0.165	43.4		6 x 1/4" x 172.4
RF1-103	24.1/31.2	0.165	117.8	6 x 1/4" x 59.4	6 x 1/4" x 51.9
				6 x 1/4" x 59.4	6 x 1/4" x 51.9
RF1-104	24.0/24.0	0.165	52.0	6 x 1/4" x 290.0	6 x 1/4" x 172.4
	24.0/24.0	0.165	238.0		6 x 1/4" x 102.4
RF1-105	24.1/50.0	0.250	179.0	6 x 1/4" x 375.1	6 x 1/4" x 180.8
	50.0/50.0	0.250	202.4		6 x 1/4" x 187.3
RF1-106	23.3/23.3	0.188	238.0	10 x 3/8" x 31.8	10 x 3/8" x 335.5
	23.3/23.3	0.188	152.0	10 x 3/8" x 387.0	
EC-100	W14541				
EC-101	W14641				
EC-102	W14841				
EC-103	W14651				
EC-104	W14541				

This dimension will change to 5'-0" which will change the sill height of the window framed openings to 24'-0".

This dimension will change to 8'-8"



MAIN FRAME ELEVATION: FRAME LINE 1



KEY PLAN

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
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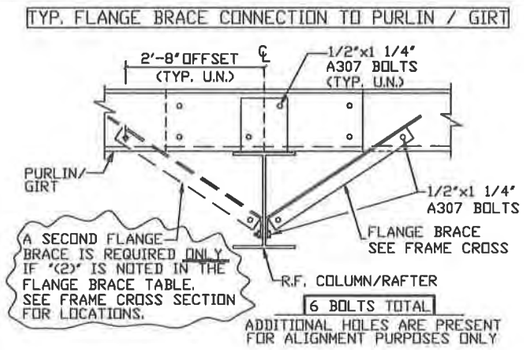
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION		
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET	5

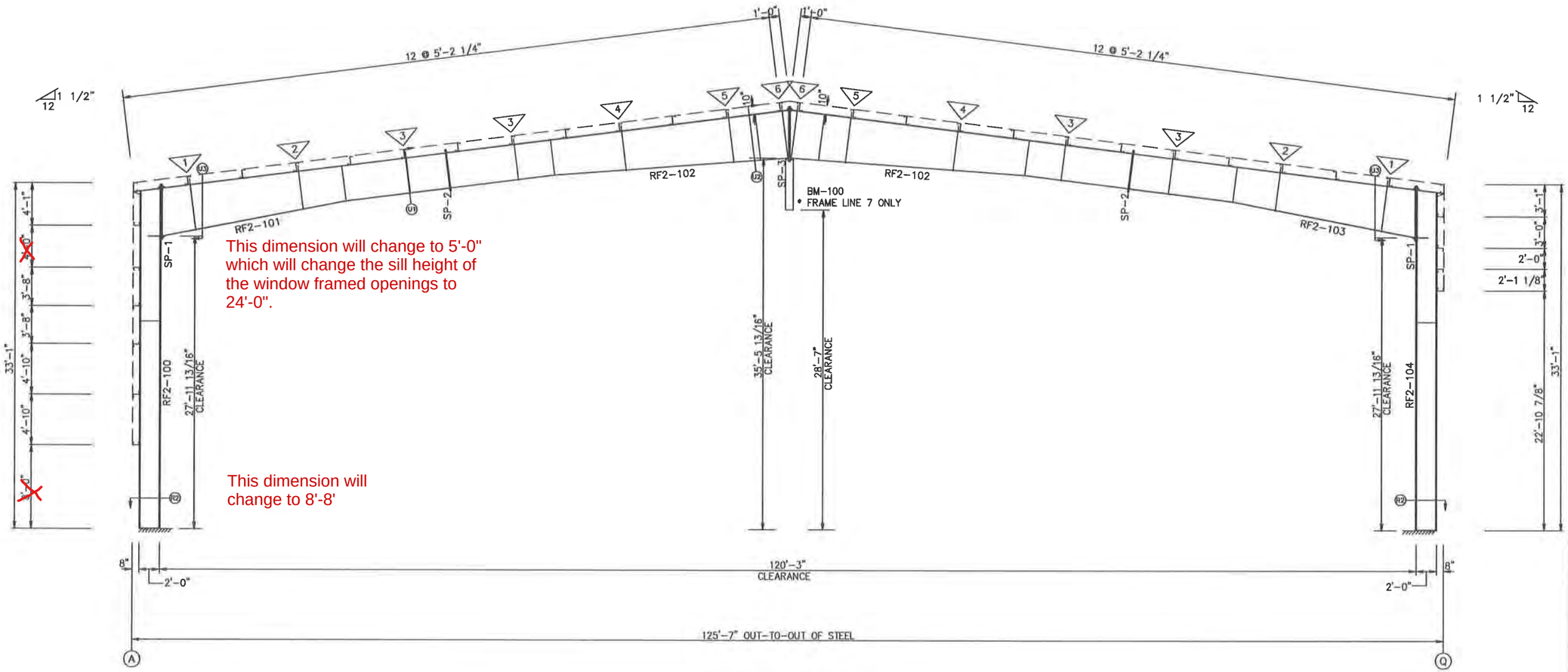
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	4	A325	1.250	4.00
SP-2	4	4	2	A325	0.750	2.50
SP-3	4	4	4	A325	1.250	3.50

FLANGE BRACE TABLE
FRAME LINE 3 7 21

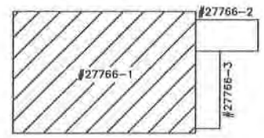
▽ID	# SIDES	MARK	LENGTH	OFFSET
1	2	FB72.5B	6'-0 1/2"	3'-8"
2	2	FB66.5A	5'-6 1/2"	3'-8"
3	2	FB64.5A	5'-4 1/2"	3'-8"
4	2	FB67.5A	5'-7 1/2"	3'-8"
5	2	FB72A	6'-0"	3'-8"
6	2	FB82.5A	6'-10 1/2"	4'-8"



MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-100	21.8/21.8	0.313	238.0	12 x 1" x 386.9	12 x 1 1/4" x 331.1
	21.8/21.8	0.500	151.8	12 x 3/8" x 30.9	
RF2-101	54.0/40.0	0.375	213.3	10 x 3/8" x 326.5	10 x 1/2" x 213.7
	40.0/40.0	0.375	120.0		10 x 1/2" x 120.0
RF2-102	40.0/40.0	0.250	120.0	10 x 5/8" x 397.1	10 x 3/8" x 120.0
	40.0/52.3	0.250	238.0		10 x 3/8" x 270.6
	52.3/54.0	0.250	39.1		
RF2-103	40.0/40.0	0.375	120.0	10 x 3/8" x 326.5	10 x 1/2" x 120.0
	40.0/54.0	0.375	213.3		10 x 1/2" x 213.7
RF2-104	21.8/21.8	0.500	151.8	12 x 3/8" x 30.9	12 x 1 1/4" x 331.1
	21.8/21.8	0.313	238.0	12 x 1" x 386.9	
BM-100	W12X14		TBD		



MAIN FRAME ELEVATION: FRAME LINE 3 7 21



KEY PLAN

SEAL

10/26/22

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS						
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
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VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS	
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION	
ID	27766-1	DESIGN: ZJM	DRAFT: KVB / CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET 6

SPLICE BOLT TABLE

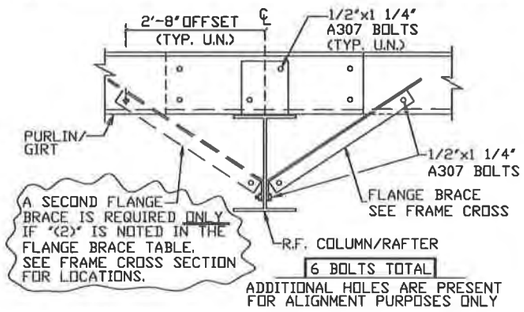
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	1.250	4.00
SP-2	4	4	2	A325	0.875	3.50
SP-3	4	4	2	A325	1.000	3.50
SP-4	4	4	2	A325	0.750	2.50
SP-5	4	4	2	A325	1.250	3.50
SP-6	4	0	0	A325	0.625	2.25

FLANGE BRACE TABLE

FRAME LINE 11 13 17 19

▽ID	# SIDES	MARK	LENGTH	OFFSET
1	2	FB68B	5'-8"	3'-8"
2	2	FB65.5A	5'-5 1/2"	3'-8"
3	2	FB64.5A	5'-4 1/2"	3'-8"
4	2	FB67.5A	5'-7 1/2"	3'-8"
5	2	FB68.5A	5'-8 1/2"	3'-8"
6	2	FB66.5A	5'-6 1/2"	3'-8"
7	2	FB65A	5'-5"	3'-8"
8	1	FB39A	3'-3"	2'-8"

TYP. FLANGE BRACE CONNECTION TO PURLIN / GIRT



MEMBER TABLE

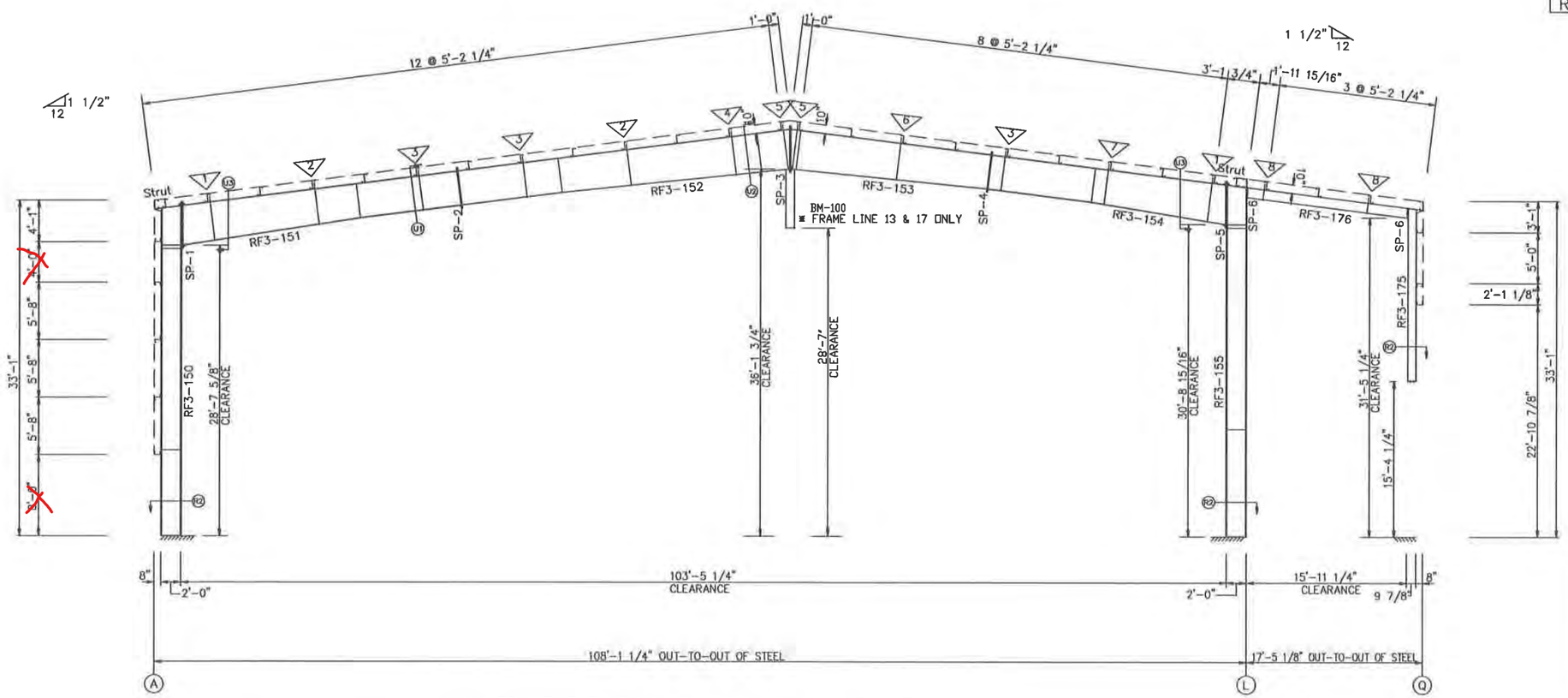
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF3-150	21.8/21.8	0.188	101.2	12 x 1" x 386.9	12 x 1 1/4" x 339.2
	21.8/21.8	0.188	238.0	12 x 1/2" x 30.9	
	21.8/21.8	0.500	50.6		
RF3-151	46.0/40.0	0.313	212.3	10 x 1/2" x 326.5	10 x 5/8" x 212.4
	40.0/40.0	0.313	120.0		10 x 5/8" x 120.0
RF3-152	40.0/40.0	0.250	120.0	10 x 1/2" x 397.3	10 x 3/8" x 120.0
	40.0/45.3	0.250	238.0		10 x 3/8" x 271.6
	45.3/46.0	0.250	39.3		
RF3-153	46.0/45.8	0.250	12.0	10 x 1/2" x 240.0	10 x 3/8" x 234.3
	45.8/40.0	0.250	228.0		
RF3-154	40.0/40.0	0.313	124.9	10 x 1/2" x 281.0	10 x 1/2" x 124.9
	40.0/46.0	0.313	161.9		10 x 1/2" x 162.0
RF3-155	22.0/22.0	0.500	50.5	12 x 1/2" x 23.1	12 x 1" x 364.5
	22.0/22.0	0.250	238.0	12 x 1" x 412.2	
	22.0/22.0	0.250	126.5		
BM-100	W12X14		TBD		

MEMBER SIZE TABLE

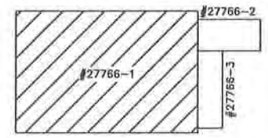
MARK	MEMBER	LENGTH
RF3-175	W10X12	16'-11 11/16"
RF3-176	W12X14	16'-0 7/16"

This dimension will change to 5'-0" which will change the sill height of the window framed openings to 24'-0".

This dimension will change to 8'-8"



MAIN FRAME ELEVATION: FRAME LINE 11 13 17 19



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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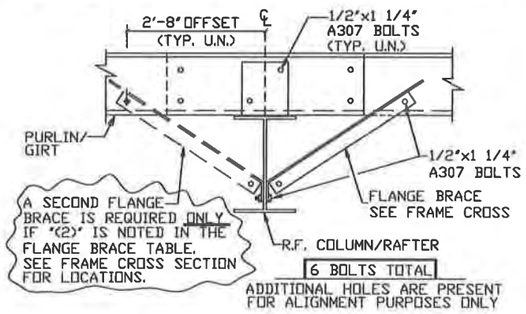
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS	
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION	
ID	27766-1	DESIGN: ZJM	DRAFT: KVB / CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET 7

SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP–1	4	4	2	A325	0.625	2.25
SP–2	4	4	2	A325	0.750	2.50

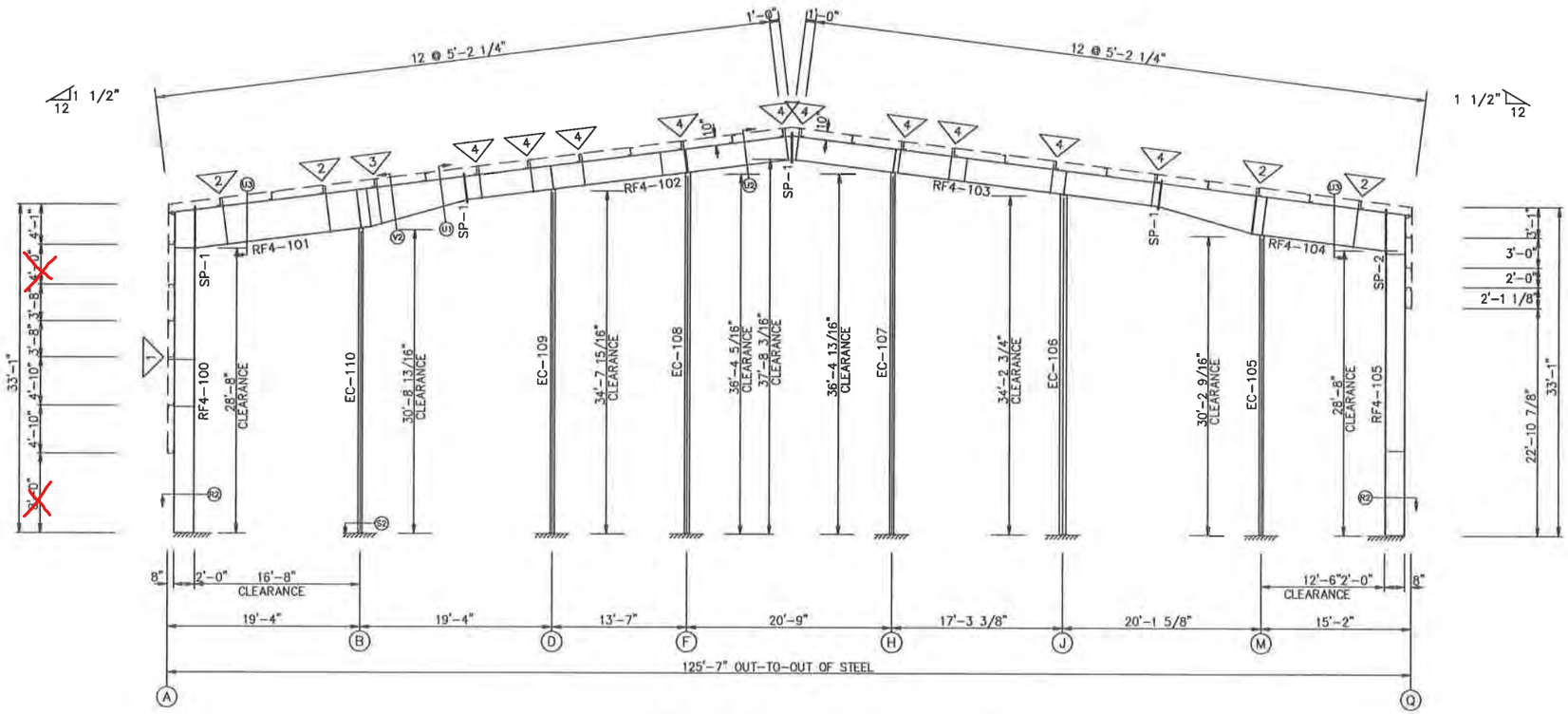
FLANGE BRACE TABLE FRAME LINE 25				
▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB44A	3'–8"	2'–8"
2	1	FB68.5A	5'–8 1/2"	3'–8"
3	1	FB67A	5'–7"	3'–8"
4	1	FB47.5A	3'–11 1/2"	2'–8"

CAP PLATE BOLTS				
Mark	Qty	Type	Dia	Length
EC–110	4	A325	0.625	2.25
EC–109	4	A325	0.625	2.25
EC–108	4	A325	0.625	2.25
EC–107	4	A325	0.625	2.25
EC–106	4	A325	0.750	2.50
EC–105	4	A325	0.625	2.25

TYP. FLANGE BRACE CONNECTION TO PURLIN / GIRT

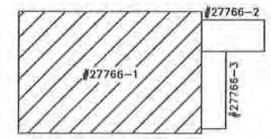


MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF4–100	23.5/23.5	0.165	152.0	6 x 1/4" x 387.0	6 x 1/4" x 339.6
	23.5/23.5	0.165	238.0	6 x 1/4" x 32.0	
RF4–101	46.0/46.0	0.188	212.9	6 x 1/4" x 325.6	6 x 1/4" x 197.7
	46.0/28.1	0.188	118.5		6 x 1/4" x 119.8
RF4–102	28.0/28.0	0.165	238.0	6 x 1/4" x 399.3	6 x 1/4" x 101.4
	28.0/28.0	0.165	161.3		6 x 1/4" x 149.1
					6 x 1/4" x 114.9
RF4–103	28.0/28.0	0.165	213.7	6 x 1/4" x 451.7	6 x 1/4" x 110.8
	28.0/28.0	0.165	238.0		6 x 1/4" x 193.8
					6 x 1/4" x 112.1
RF4–104	28.1/46.0	0.250	116.4	6 x 1/4" x 273.4	6 x 1/4" x 117.8
	46.0/46.0	0.250	162.8		6 x 1/4" x 147.6
RF4–105	23.0/23.0	0.250	50.4	12 x 3/8" x 31.7	12 x 1/2" x 339.5
	23.0/23.0	0.188	238.0	12 x 1/2" x 386.9	
	23.0/23.0	0.188	101.5		
EC–110	W14541				
EC–109	W14541				
EC–108	W14661				
EC–107	W14541				
EC–106	W14851				
EC–105	W14541				



MAIN FRAME ELEVATION: FRAME LINE 25

This dimension will change to 8'-8"



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS						
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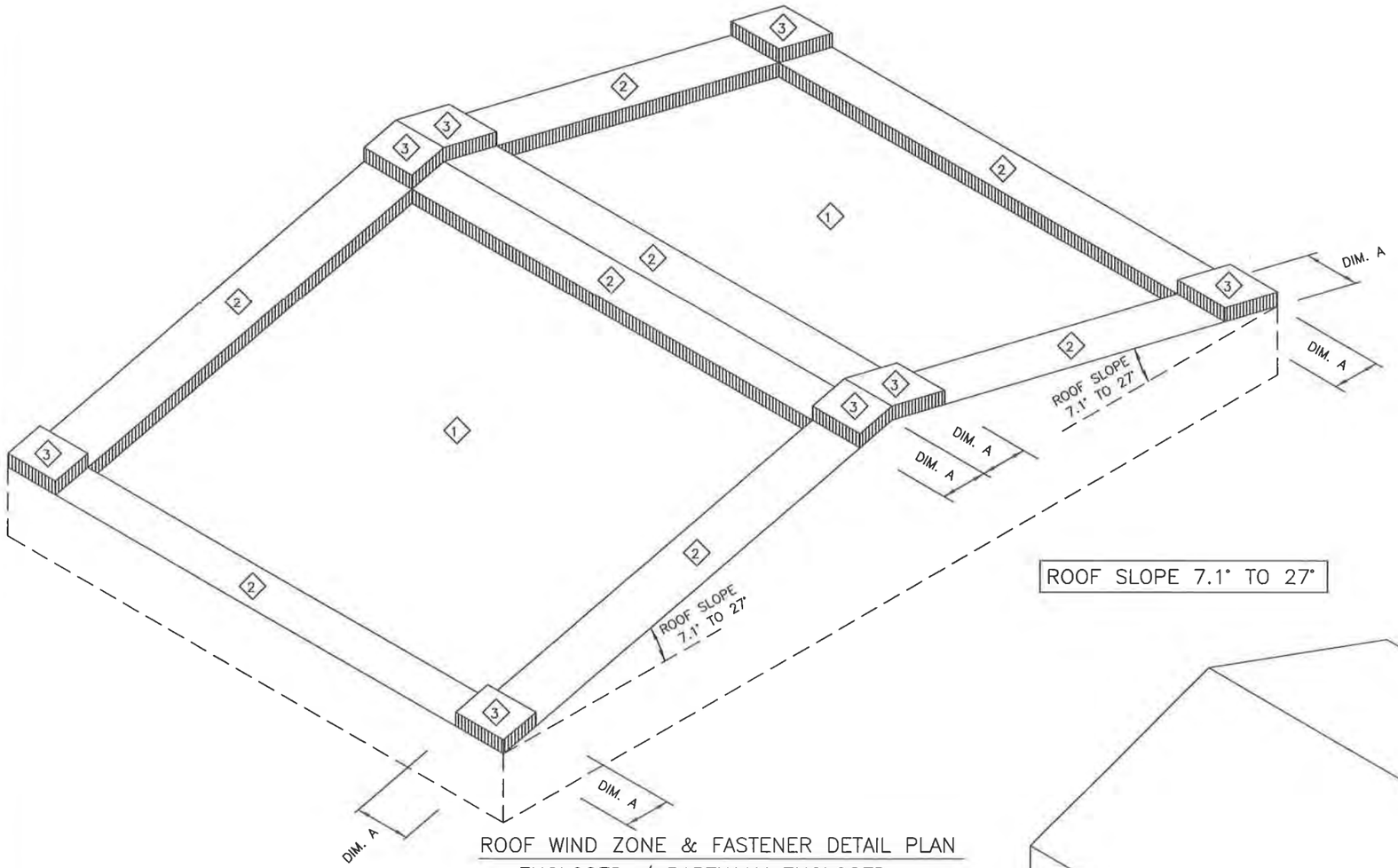
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION		
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET	8



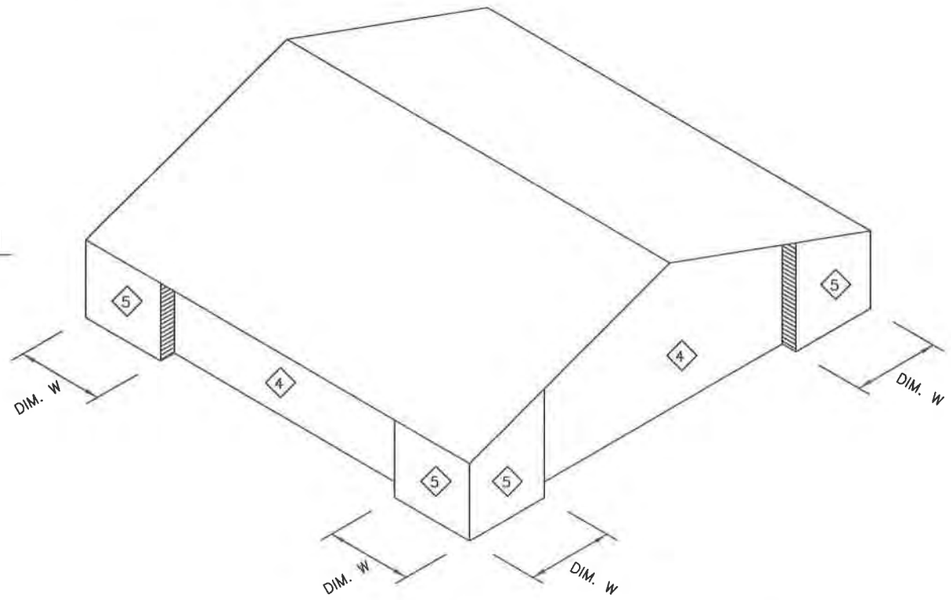
ROOF WIND ZONE & FASTENER DETAIL PLAN
ENCLOSED / PARTIALLY ENCLOSED

WIND LOADING PRESSURES CHART (AREA <= 10 SQ.FT. FOR PANELS)	PRESSURE	SUCTION
ZONE 1 (ROOF INTERIOR)	20	-32
ZONE 2 (ROOF EDGE)	20	-55
ZONE 3 (ROOF CORNER)	20	-81
ZONE 4 (WALL INTERIOR)	32	-34
ZONE 5 (WALL EDGE)	32	-42
WALL ACCESSORIES		
> 10 SQFT (ZONE 4)	32	-34
>100 SQFT (ZONE 4)	27	-30
> 10 SQFT (ZONE 5)	32	-42
>100 SQFT (ZONE 5)	27	-32

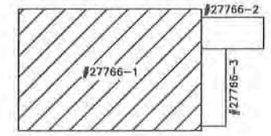
NOTE :
PRESSURES SHOWN ARE BASED ON Vult AND APPLICABLE INTERNAL COEFFICIENTS FOR THE ENCLOSURE CLASSIFICATION AND EXPOSURE CATEGORY. SEE COVER PAGE FOR APPLICABLE VALUES. FOR ALLOWABLE STRENGTH DESIGN PRESSURES, Vasd, MULTIPLY THE SHOWN VALUES BY 0.6.

ROOF & WALL PANELS BY OTHERS

ROOF SLOPE 7.1° TO 27°



WALL WIND ZONE & FASTENER DETAIL PLAN



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

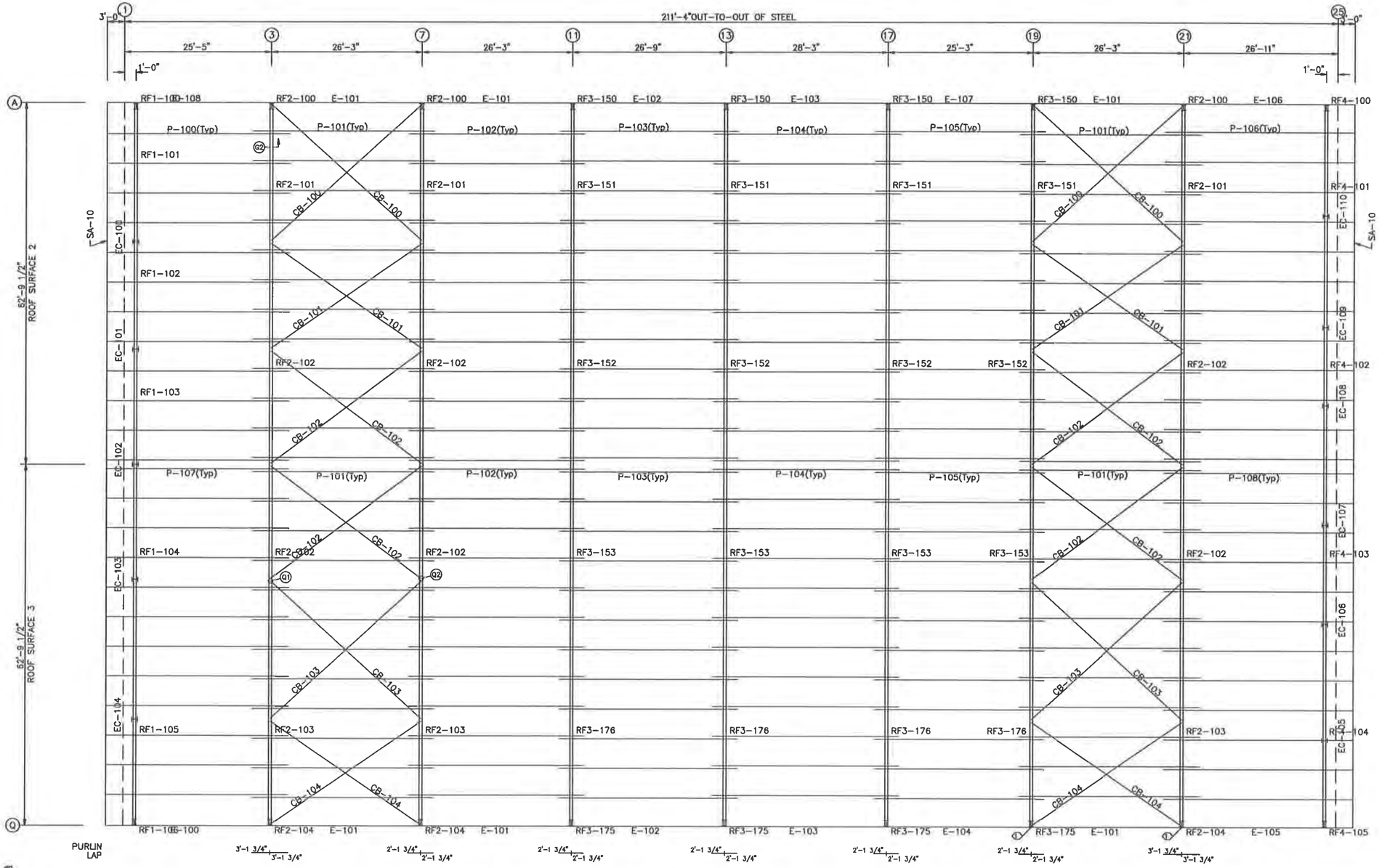
REVISIONS						
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	FASTENER DETAILS		
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET	9

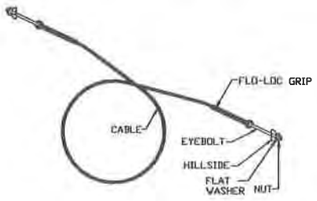
SPECIAL BOLTS ROOF PLAN				
O ID	QUAN	TYPE DIA	LENGTH	WASH
1	4	A307 1/2"	1 1/4"	0

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-100	10X35Z12	31'-6 1/2"
P-101	10X35Z14	31'-6 1/2"
P-102	10X35Z14	30'-6 1/2"
P-103	10X35Z14	31'-0 1/2"
P-104	10X35Z14	32'-6 1/2"
P-105	10X35Z14	29'-6 1/2"
P-106	10X35Z12	33'-0 1/2"
P-107	10X35Z12	31'-6 1/2"
P-108	10X35Z12	33'-0 1/2"
E-100	10E375D14	28'-4 1/2"
E-101	10E375D14	26'-2 1/2"
E-102	10E375D14	26'-8 1/2"
E-103	10E375D14	28'-2 1/2"
E-104	10E375D14	25'-2 1/2"
E-105	10E375D14	29'-10 1/2"
E-106	10E375D14	29'-10 1/2"
E-107	10E375D14	25'-2 1/2"
E-108	10E375D14	28'-4 1/2"
CB-100	0.375CBL	35'-3"
CB-101	0.312CBL	32'-5"
CB-102	0.250CBL	33'-2"
CB-103	0.312CBL	35'-11"
CB-104	0.375CBL	31'-10"

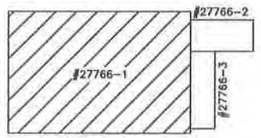


ROOF FRAMING PLAN

NOTE: ROOF SHEETING BY OTHERS



BRACE CABLE ASSEMBLY
CABLE HARDWARE FACTORY ATTACHED SYMMETRICAL AT BOTH ENDS



KEY PLAN

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10/26/22

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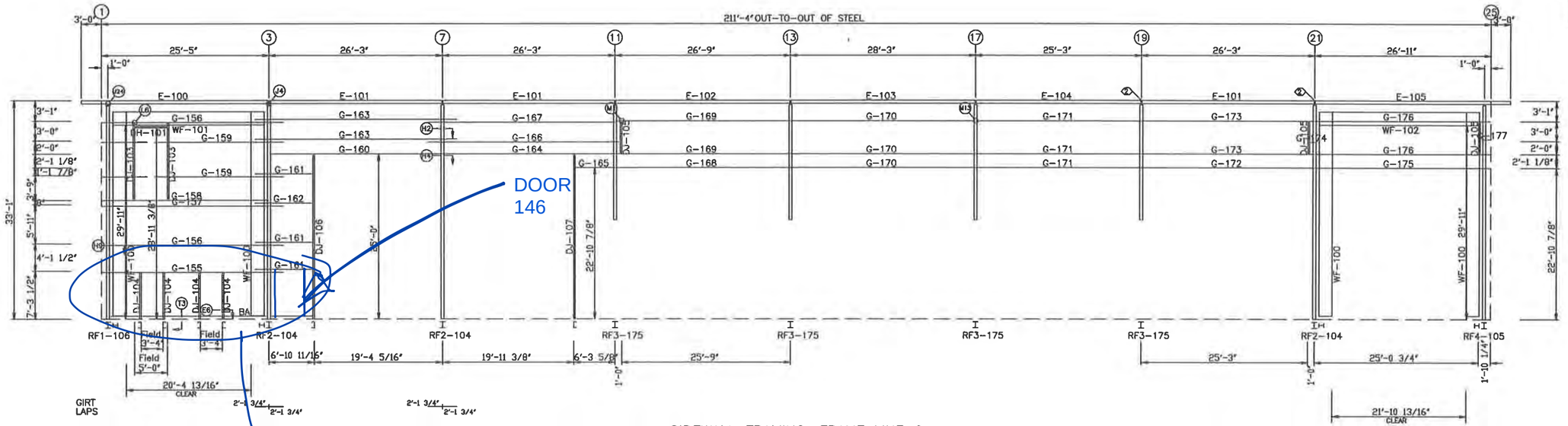
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ROOF FRAMING		
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET	10

BOLT TABLE FRAME LINE Q				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-100 – WF-101	8	A325T	3/4"	2 1/2"
WF-100 – RF1-106	16	A325T	5/8"	2 1/4"
WF-100 – RF2-104	16	A325T	5/8"	2 1/4"
WF-100 – WF-102	8	A325T	3/4"	2 1/2"
WF-100 – RF4-105	16	A325T	5/8"	2 1/4"

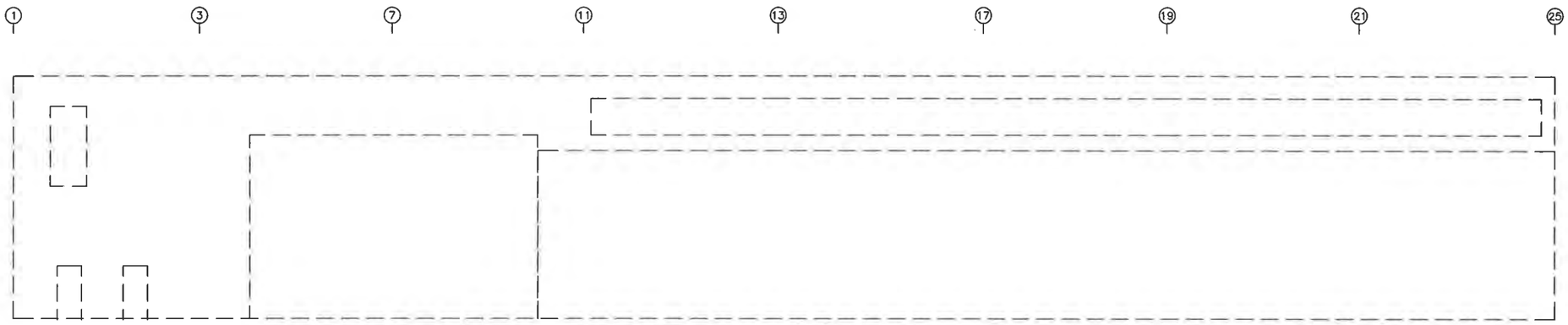
SPECIAL BOLTS					
ID	QUAN	TYPE	DIA	LENGTH	WASH
2	4	A307	1/2"	1 1/4"	0

MEMBER TABLE FRAME LINE Q		
MARK	PART	LENGTH
WF-100	W24062	31'-5"
WF-101	W24082	20'-4 9/16"
WF-102	W24082	21'-10 9/16"
DJ-103	8X35c16	11'-8"
DJ-104	8X35c16	6'-11 1/2"
DJ-105	8X35c16	5'-0"
DJ-106	8X35c16	25'-0"
DJ-107	8X35c16	25'-0"
DH-101	8X35c16	5'-0"
E-100	10E375D14	28'-4 1/2"
E-101	10E375D14	26'-2 1/2"
E-102	10E375D14	26'-8 1/2"
E-103	10E375D14	28'-2 1/2"
E-104	10E375D14	25'-2 1/2"
E-105	10E375D14	29'-10 1/2"
G-155	8X25Z12	27'-6 1/2"
G-156	8X25Z12	27'-6 1/2"
G-157	8X35Z16	27'-6 1/2"
G-158	8X35C12	25'-4 1/2"
G-159	8X25Z16	27'-6 1/2"
G-160	8X25C16	26'-2 1/2"
G-161	8X25Z16	8'-8 11/16"
G-162	8X35Z16	8'-8 11/16"
G-163	8X25Z16	30'-6 1/2"
G-164	8X25C16	26'-2 1/2"
G-165	8X25C16	5'-11 5/8"
G-166	8X25Z16	29'-1"
G-167	8X25Z16	28'-4 1/2"
G-168	8X25C16	26'-8 1/2"
G-169	8X25C16	26'-8 1/2"
G-170	8X25C16	28'-2 1/2"
G-171	8X25C16	25'-2 1/2"
G-172	8X25C16	26'-2 1/2"
G-173	8X25C16	26'-2 1/2"
G-174	8X25Z16	8 1/4"
G-175	8X25C16	26'-10 1/2"
G-176	8X25C16	26'-10 1/2"
G-177	8X25Z16	1'-6 1/4"



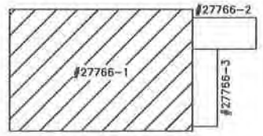
SIDEWALL FRAMING: FRAME LINE Q

We will add the 3'-0" girt extensions at lines 1 & 25



SIDEWALL SHEETING & TRIM: FRAME LINE Q

WALL PANELS BY OTHERS



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS 10/26/22

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

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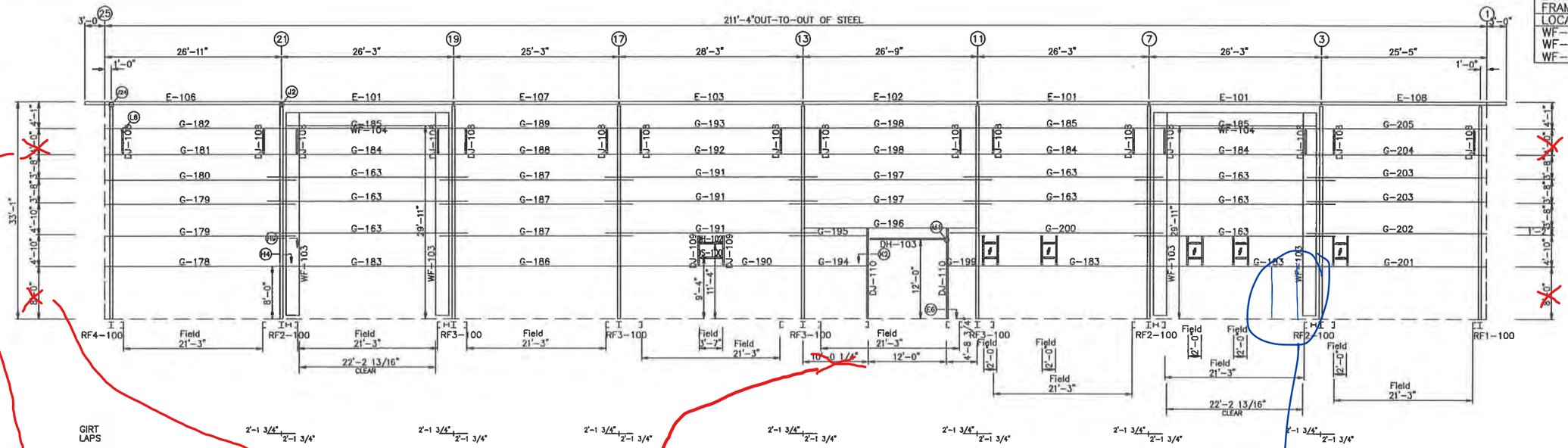
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS	
PROJECT	NEW BASE SUPPLY ANNEX	SIDEWALL FRAMING	
ID	27766-1	DESIGN: ZJM / DRAFT: KVB / CHECK: ZJM	
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET 11

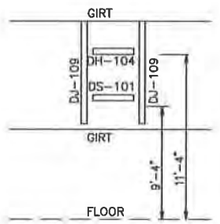


This dimension will change to 5'-0" which will change the sill height of the window framed openings to 24'-0".

This dimension will change to 8'-8"

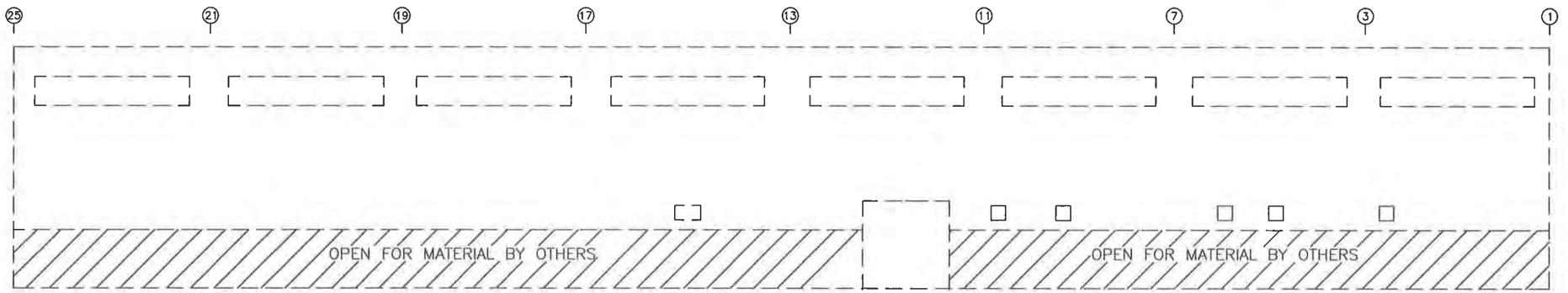
This dimension will change to 10'-0 3/16"

SIDEWALL FRAMING: FRAME LINE A



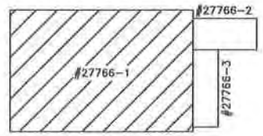
Coordinate door with portal frame

We will add the 3'-0" girt extensions at lines 1 & 25



SIDEWALL SHEETING & TRIM: FRAME LINE A

WALL PANELS BY OTHERS



KEY PLAN

BOLT TABLE
FRAME LINE A

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-103 – WF-104	8	A325T	3/4"	2 1/2"
WF-103 – RF2-100	16	A325T	5/8"	2 1/4"
WF-103 – RF3-100	16	A325T	5/8"	2 1/4"

MEMBER TABLE
FRAME LINE A

MARK	PART	LENGTH
WF-103	W24882	31'-5"
WF-104	W24262	22'-2 13/16"
DJ-108	8X35c16	4'-0"
DJ-109	8X35c16	4'-2"
DJ-110	8X35c16	13'-8"
DH-102	8X35c16	3'-7"
DH-103	8X35c16	12'-0"
DH-104	8X35c16	2'-0"
DS-100	8X35c16	3'-7"
DS-101	8X35c16	2'-0"
E-101	10E375D14	26'-2 1/2"
E-102	10E375D14	26'-8 1/2"
E-103	10E375D14	28'-2 1/2"
E-106	10E375D14	29'-10 1/2"
E-107	10E375D14	25'-2 1/2"
E-108	10E375D14	28'-4 1/2"
G-163	8X25Z16	30'-6 1/2"
G-178	8X25C14	26'-10 1/2"
G-179	8X25Z14	29'-0 1/2"
G-180	8X25Z16	29'-0 1/2"
G-181	8X25C12	26'-10 1/2"
G-182	8X35C13	26'-10 1/2"
G-183	8X25C14	26'-2 1/2"
G-184	8X35C12	26'-2 1/2"
G-185	8X35C13	26'-2 1/2"
G-186	8X25C14	25'-2 1/2"
G-187	8X25Z16	29'-6 1/2"
G-188	8X35C13	25'-2 1/2"
G-189	8X25C13	25'-2 1/2"
G-190	8X35C14	28'-2 1/2"
G-191	8X25Z16	32'-6 1/2"
G-192	8X40C12	28'-2 1/2"
G-193	8X35C12	28'-2 1/2"
G-194	8X25C16	9'-8 1/4"
G-195	8X25Z14	11'-10 1/4"
G-196	8X35Z13	27'-4 1/2"
G-197	8X25Z16	31'-0 1/2"
G-198	8X35C12	26'-8 1/2"
G-199	8X25C16	4'-4 3/4"
G-200	8X25Z13	32'-9 3/4"
G-201	8X35C16	25'-4 1/2"
G-202	8X25Z14	27'-6 1/2"
G-203	8X25Z16	27'-6 1/2"
G-204	8X25C13	25'-4 1/2"
G-205	8X25C13	25'-4 1/2"

GENERAL NOTES:
(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS
10/26/22

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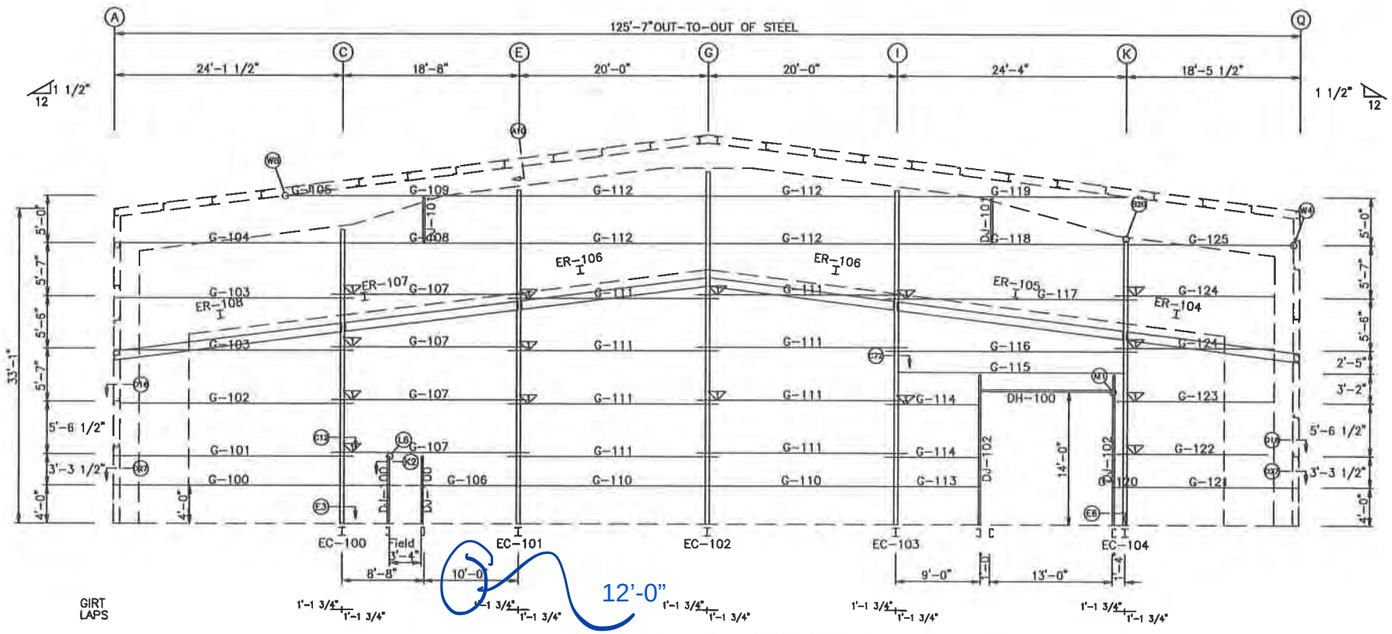
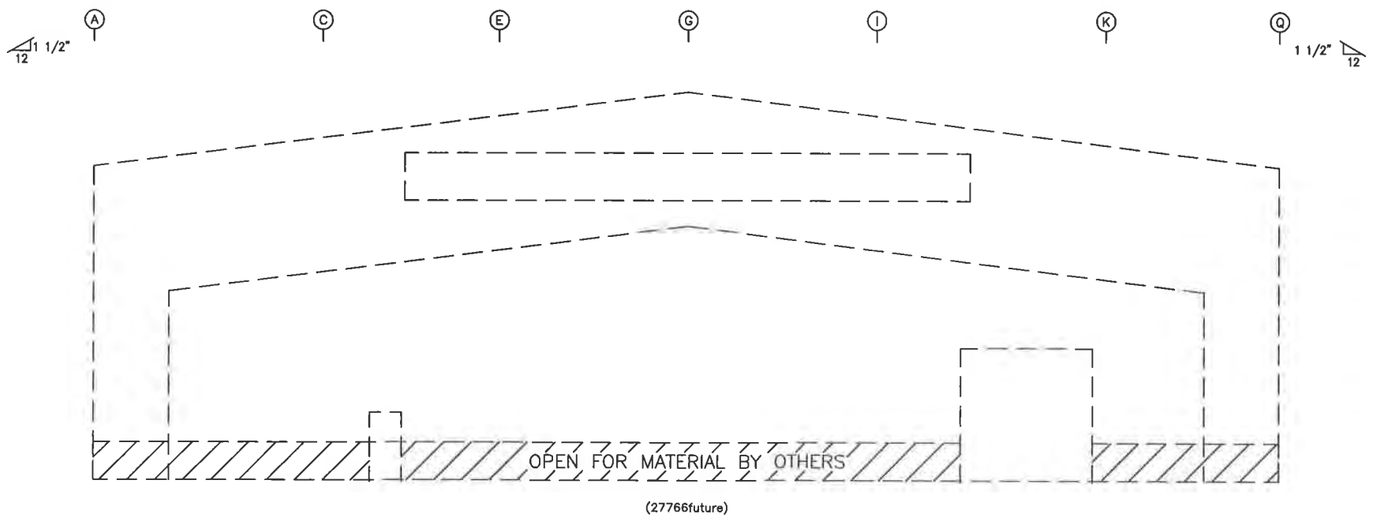
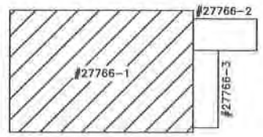
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	SIDEWALL FRAMING		
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET	12



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1



KEY PLAN

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
EC-100/FRAME	4	A325T	5/8"	2 1/4"
EC-101/FRAME	4	A325T	5/8"	2 1/4"
EC-102/FRAME	4	A325T	3/4"	2 1/2"
EC-103/FRAME	4	A325T	5/8"	2 1/4"
EC-104/FRAME	4	A325T	5/8"	2 1/4"

FLANGE BRACE TABLE
FRAME LINE 1

▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB40A	3'-4"	2'-8"

MEMBER TABLE
FRAME LINE 1

MARK	PART	LENGTH
EC-100	W14541	31'-4 5/16"
EC-101	W14641	35'-6 9/16"
EC-102	W14651	37'-5"
EC-103	W14651	35'-6 9/16"
EC-104	W14541	30'-3 3/4"
ER-104	W10X22	TBD
ER-105	W10X22	TBD
ER-106	W10X22	TBD
ER-107	W10X22	TBD
DJ-100	8X35c16	6'-11 1/2"
DJ-101	8X35c14	5'-0"
DJ-102	8X35c14	15'-8"
DH-100	8X35c16	14'-0"
G-100	8X25C16	24'-1"
G-101	8X25Z14	25'-3"
G-102	8X25Z13	24'-7"
G-103	8X25Z13	25'-3"
G-104	8X40C12	24'-1"
G-105	8X25C16	6'-0 7/8"
G-106	8X25C16	18'-7 1/2"
G-107	8X25Z16	20'-11 1/2"
G-108	8X25C14	18'-7 1/2"
G-109	8X25C14	18'-7 3/4"
G-110	8X25C16	19'-11 1/2"
G-111	8X25Z16	22'-3 1/2"
G-112	8X25C13	19'-11 1/2"
G-113	8X25C16	8'-8"
G-114	8X25Z16	9'-10"
G-115	W8x13	24'-3 1/2"
G-116	8X25Z16	26'-7 1/2"
G-117	8X25Z16	26'-7 1/2"
G-118	8X40C12	24'-3 1/2"
G-119	8X25C12	24'-3 3/4"
G-120	8X25C16	1'-0"
G-121	8X25C16	15'-9"
G-122	8X25Z16	16'-9 1/2"
G-123	8X25Z14	16'-9 1/2"
G-124	8X25Z16	16'-11"
G-125	8X25C13	6'-4 1/4"

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

WALL PANELS BY OTHERS

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
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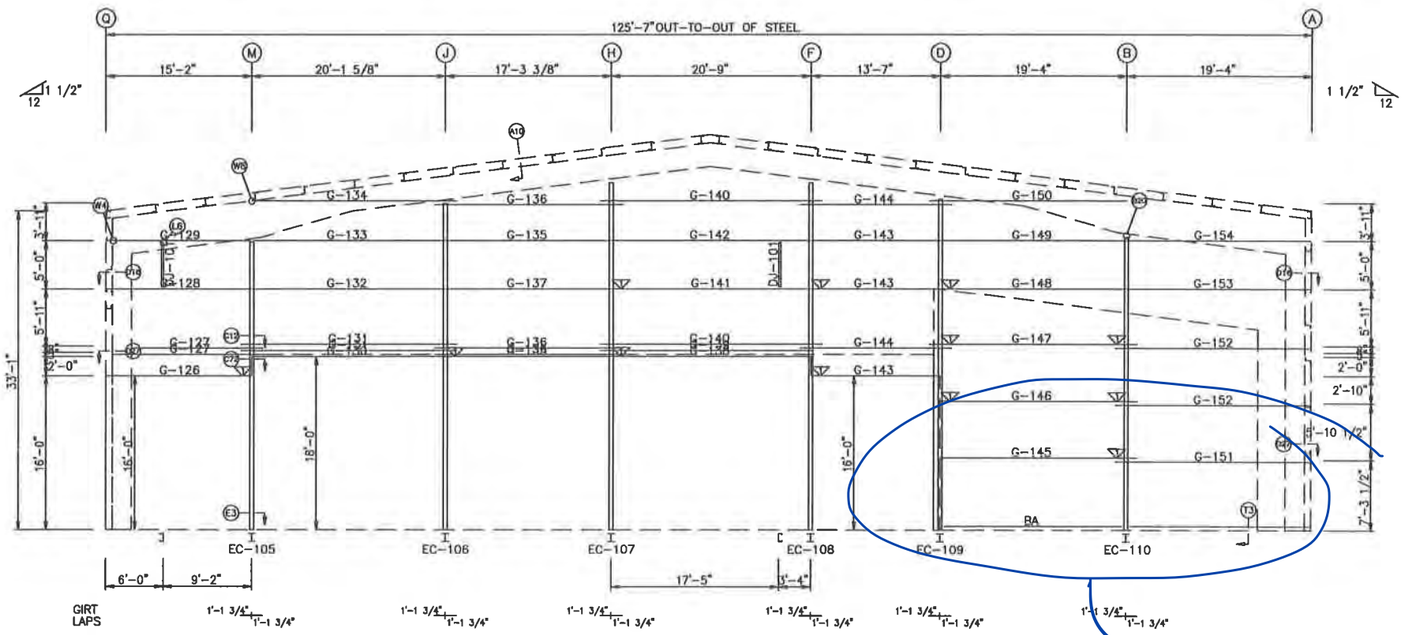
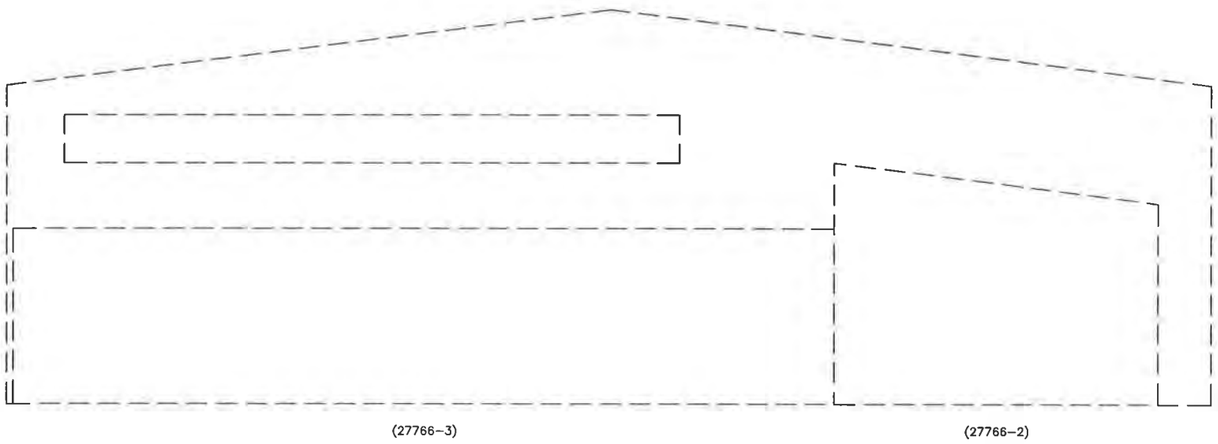
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ENDWALL FRAMING		
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET	13

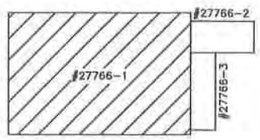


ENDWALL FRAMING: FRAME LINE 25

PANELS EXTEND TO GROUND IN THIS LOCATION.



ENDWALL SHEETING & TRIM: FRAME LINE 25



KEY PLAN

WALL PANELS BY OTHERS

BOLT TABLE
FRAME LINE 25

LOCATION	QUAN	TYPE	DIA	LENGTH
EC-105/FRAME	4	A325T	5/8"	2 1/4"
EC-106/FRAME	4	A325T	3/4"	2 1/2"
EC-107/FRAME	4	A325T	5/8"	2 1/4"
EC-108/FRAME	4	A325T	5/8"	2 1/4"
EC-109/FRAME	4	A325T	5/8"	2 1/4"
EC-110/FRAME	4	A325T	5/8"	2 1/4"

FLANGE BRACE TABLE
FRAME LINE 25

∇ID	# SIDES	MARK	LENGTH	OFFSET
		FB40A	3'-4"	2'-8"

MEMBER TABLE
FRAME LINE 25

MARK	PART	LENGTH
EC-105	W14541	30'-2 7/8"
EC-106	W14851	34'-3 1/4"
EC-107	W14541	36'-5 1/8"
EC-108	W14661	36'-4 11/16"
EC-109	W14541	34'-8 1/4"
EC-110	W14541	30'-9 1/8"
DJ-101	8X35c14	5'-0"
G-126	8X25C16	12'-5 1/2"
G-127	8X25Z16	13'-7 1/2"
G-128	8X25C16	12'-5 1/2"
G-129	8X25C16	1'-9"
G-130	8X25C16	20'-1 1/8"
G-131	8X25Z16	22'-5 1/8"
G-132	8X25C13	20'-1 1/8"
G-133	8X25C14	20'-1 1/8"
G-134	8X25Z16	21'-3 3/8"
G-135	8X25C16	17'-2 7/8"
G-136	8X25Z16	19'-6 7/8"
G-137	8X25C14	17'-2 7/8"
G-138	8X25C16	20'-8 1/2"
G-139	8X25Z16	22'-2 1/2"
G-140	8X25Z16	23'-0 1/2"
G-141	8X25C13	20'-8 1/2"
G-142	8X35C14	20'-8 1/2"
G-143	8X25C16	13'-6 1/2"
G-144	8X25Z16	15'-10 1/2"
G-145	8X35Z16	20'-5 1/2"
G-146	8X25Z16	20'-5 1/2"
G-147	8X25Z16	21'-7 1/2"
G-148	8X25C13	19'-3 1/2"
G-149	8X25C14	19'-3 1/2"
G-150	8X25Z16	20'-5 3/4"
G-151	8X35Z16	20'-5 1/2"
G-152	8X25Z16	20'-5 1/2"
G-153	8X25C13	18'-7 1/2"
G-154	8X25C13	19'-3 1/2"

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS

REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ENDWALL FRAMING		
ID	27766-1	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/13/22	SHEET	14

IAS ACCREDITED Metal Building Systems AC 472

VULCAN STEEL STRUCTURES, INC.

MIAMI-DADE COUNTY APPROVED

MBMA METAL BUILDING MANUFACTURES ASSOCIATION

LETTER OF CERTIFICATION

VULCAN STEEL STRUCTURES, INC

Job Number 27766-2

Customer Name: BEAR BROTHERS

Job Location: MONTGOMERY, AL 36108

DATE: 10/12/22

DESIGNED BY: ZJM

DETAILED BY: KVB

CHECKED BY: ZJM

DESIGN PARAMETERS

BUILDING DESCRIPTION:

NOMINAL WIDTH:	33.83	feet
NOMINAL LENGTH:	74.33	feet
EAVE HEIGHT, BACK S.W:	20.81	feet
EAVE HEIGHT, FRONT S.W:	25.04	feet
ROOF SLOPE, LEFT:	1.5:12	
ROOF SLOPE, RIGHT:		

COMMENTS

DESIGN LOADS

BUILDING CODE:	IBC 15		
FRAME SELF WEIGHT:	INCLUDED	SNOW :	
ROOF DEAD LOAD:	4.800 psf	FLAT ROOF SNOW LOAD Pf :	3.5 psf
COLLATERAL LOAD:	10 psf	GROUND SNOW LOAD Pg :	5.00 psf
ROOF LIVE LOAD:	20.00 psf	SNOW LOAD IMP. FACTOR	1.00
FRAME LIVE LOAD:	20 psf	THERMAL FACTOR Ct :	1.00
SNOW LOAD, ROOF:	3.5 psf	SNOW EXP. FACTOR Ce :	1.00
WIND SPEED: (3 SEC GUST)	116 mph (Vult)	SNOW DRIFT :	51.90 psf max
	89.85 mph (Vasd)		
INTERNAL PRESSURE COEFF. :	0.55/-0.55	SPECIAL DEFLECTION CRITERIA :	
WIND EXPOSURE:	C	FRAME DRIFT :	H/240
CLOSURE "C, O, P" :	Partially Enclosed	FRAME VERTICAL :	L/240
RISK CATEGORY :	II - Normal	ROOF PURLINS :	L/240

wall girts L/240

SEISMIC PARAMETERS

SEISMIC-FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

SITE CLASS (ASSUMED) :	D
SEISMIC IMPORTANCE:	1.00
SEISMIC DESIGN CATEGORY:	B
DESIGNED SPECTRAL ACCELERATION PARAMETER "SDS" - (SHORT PERIODS):	0.11
DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" - (1 SEC PERIODS):	0.09
MAPPED SPECTRAL RESPONSE ACCELERATION: "SS" - (SHORT PERIODS):	0.13
MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" - (1 SEC PERIOD):	0.08
SEISMIC RESPONSE MODIFICATION COEFFICIENT: "R" -	3.00
SEISMIC RESPONSE COEFFICIENT: "Cs" -	0.036
TOTAL LONGITUDINAL BASE SHEAR :	1.66
TOTAL TRANSVERSE BASE SHEAR :	1.92

GENERAL NOTES

1. MATERIALS

	ASTM DESIGNATION	
STRUCTURAL STEEL PLATE	A529 OR A572	GRADE 50 or GRADE 55
COLD FORMED LIGHT GAGE SHAPES	A1011	GRADE 55
BRACE CABLES	A475 EHS	
HOT ROLLED MILL SHAPES	ASTM A992	GRADE 50
ROOF AND WALL SHEETS	A653 OR A792	GRADE 50 or GRADE 80
BOLTS	A307, F3125 GRADE A325 OR A490	A307 UNLESS NOTED

2. STRUCTURAL PRIMER

SHOP PRIMER PAINT IS A MINIMAL NON-UNIFORM THICKNESS COATING OF A RUST INHIBITIVE PRIMER (UNLESS NOTED OTHERWISE) SATISFYING THE REQUIREMENTS OF TT-P-664. THIS PRIMER IS NOT TO BE CONSIDERED A FINISH COAT AND IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. THIS PRIMER IS NOT WARRANTED OR REPRESENTED AS BEING COMPATIBLE WITH ANY TYPE OF FINISH PAINT SYSTEM. THE PRIMER COAT APPLIED AT THE FACTORY IS SUBJECT TO BLEMISHES, SCUFFS, SCRATCHES AND THE LIKE DURING SHIPPING AND DURING HANDLING AS PART OF THE ERECTION PROCESS. IT IS THE RESPONSIBILITY OF THE ERECTOR TO TOUCH UP ANY SUCH UNDESIRABLE CONDITIONS DURING OR AFTER THE ERECTION PROCESS. OBJECTIONS TO PRIMER APPEARANCE SHALL NOT BE SUBJECT TO REJECTION OR BE CONSIDERED A CAUSE FOR REJECTION.

3. F3125 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE GRADE A325 UNLESS SPECIFICALLY NOTED OTHERWISE.

STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS. A325T BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE NUT METHOD.

ALL HIGH STRENGTH BOLTS, EXCEPT AS NOTED OTHERWISE, ARE SUBJECT TO DIRECT TENSION AND MAY REQUIRE INSPECTION AS DEFINED BY THE APPLICABLE BUILDING CODE OR STANDARD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS.

4. BUILDER/CONTRACTOR RESPONSIBILITIES

THE METAL BUILDING MANUFACTURER'S STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS, THE METAL BUILDING MANUFACTURER'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK.

IN CASE OF DISCREPANCIES BETWEEN METAL BUILDINGS MANUFACTURER STRUCTURAL PLANS AND PLANS FOR OTHER TRADES. THE METAL BUILDING MANUFACTURER'S PLANS SHALL GOVERN.

IT IS THE RESPONSIBILITY OF THE BUILDER / CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.

APPROVAL OF METAL BUILDING MANUFACTURER'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF THE METAL BUILDING MANUFACTURER'S INTERPRETATION OF THE CONTRACT PURCHASE ORDER.

ONCE THE BUILDER / CONTRACTOR OR A/E FIRM HAS SIGNED MANUFACTURER'S APPROVAL PACKAGE, CHANGES FROM THE PURCHASE ORDER BY THE BUILDER WILL BE BILLED TO THE BUILDER / CONTRACTOR FOR MATERIAL, ENGINEERING AND HANDLING FEES. SUCH CHANGES MAY CAUSE THE PROJECT TO BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE. A PENALTY FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE, AS LONG AS THE MANUFACTURER'S DESIGN AND DETAILING APPROACH COMPLIES WITH THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR OR A/E FIRM ARE RESPONSIBLE FOR THE OVERALL PROJECT CONDITION. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIALS NOT FURNISHED BY THE MANUFACTURER ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER / CONTRACTOR OR A/E FIRM. UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE PURCHASE ORDER. THE METAL BUILDING MANUFACTURER'S ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY. SUPPLYING SEALED ENGINEERING DESIGN DATA AND DRAWINGS BY THE BUILDING MANUFACTURER DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS TO THE STRUCTURAL SYSTEM FURNISHED BY THE METAL BUILDING MANUFACTURER IN COMPLIANCE WITH ALL REQUIREMENTS OF THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH THE METAL BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH, AND INSTALL.

THE METAL BUILDING MANUFACTURER DOES NOT WARRANT STRUCTURAL INTEGRITY OF ANY COMPONENTS FIELD MODIFIED OR DESIGNED AND FABRICATED BY OTHERS. NEITHER DO WE ACCEPT DESIGN RESPONSIBILITY FOR THE EFFECTS NON STANDARD COMPONENTS DESIGNED BY OTHERS MAY HAVE ON THE SYSTEM IN GENERAL.

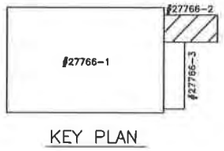
AS TAKEN FROM THE FOURTEENTH EDITION OF THE AISC MANUAL PAGE 16.3-56 PARAGRAPH 7.14 - READS AS FOLLOWS "THE CORRECTION OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, GRINDING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE WITH DRIFT PINS, SHALL BE CONSIDERED TO BE NORMAL ERECTION OPERATIONS."

IF NDT (NON-DESTRUCTIVE WELD TESTING) IS REQUIRED, IT IS NOT PROVIDED BY THE SELLER AND IS THE SOLE RESPONSIBILITY OF THE BUYER.

FRAMING PRIMER COLOR OR TYPE:
PRIMARY = RED PRIMER
SECONDARY = RED PRIMER

SHEETING AND TRIM COLORS			
ROOF PANEL:			
GAUGE		PANEL TYPE	
22	GA.	B DECK	BY OTHERS
WALL PANEL:			
INSULATED PANEL BY OTHERS			

See all notes in red added per Zach Watson with Vulcan Steel Structures



KEY PLAN

THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER, THE METAL BUILDING DESIGNER OR THE METAL BUILDING ENGINEER. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS DOES NOT HAVE FAMILIARITY WITH THE PHYSICAL JOBSITE LOCATION AND THEREFORE CANNOT BE IDENTIFIED AS, SERVE AS OR QUALIFY AS THE PROJECT DESIGNER.

ENGINEER'S STAMP

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

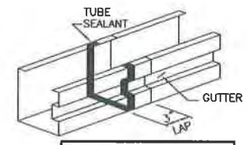
10/26/22

SPECIAL NOTES:

BUILDING IS NOT STRUCTURALLY SOUND UNTIL ALL WALL COVERING, ROOF SHEETS, AND PERMANENT BRACING IS INSTALLED. BUILDER / CONTRACTOR IS RESPONSIBLE FOR SUPPORTS OR TEMPORARY BRACING DURING ERECTION, HE SHALL FURNISH, AND INSTALL THESE TEMPORARY SUPPORTS WHERE NECESSARY. TEMPORARY SUPPORTS ARE NOT PROVIDED BY THE METAL BUILDING MANUFACTURER.

OUTSIDE VENDOR ACCESSORY NOTE:

BUYER SHALL BE RESPONSIBLE TO COORDINATE, ASSURE AND VERIFY THAT THE STRUCTURE AND CLEARANCES AS PROVIDED BY BUILDING MANUFACTURER ARE COMPATIBLE WITH THE DOOR PROVIDED BY OTHERS.



STANDARD TRIM LAP DETAIL

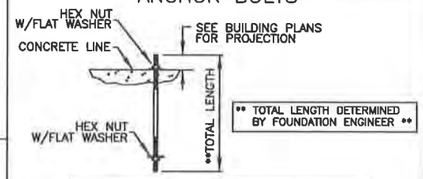
(TRIM VARIES)

NOTE: ALL TRIM CONTAINED ON THIS PROJECT WILL HAVE OUR STANDARD 3" LAP AS SHOWN ABOVE. (TRIM STYLE VARIES)

ANCHOR BOLTS NOTES

MANUFACTURER RECOMMENDS USE OF STRAIGHT ROD ANCHOR BOLTS WITH NUT AND WASHER ON BOTH ENDS AS OPPOSED TO J-BOLTS OR ANCHOR BOLTS WITH HOOKS BECAUSE OF BETTER PERFORMANCE RESULTS IN CONCRETE FOUNDATIONS. THE TYPE OF BOLT USED FOR THE PROJECT SHALL BE DETERMINED BY THE FOUNDATION ENGINEER WITH THE BOLT STRENGTH MEETING OR EXCEEDING THAT OF AN ASTM F1554 GRADE 36 (MIN.) BOLT.

ANCHOR BOLTS



ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36 (MIN.) OR GRADE 55

ANCHOR BOLT SUMMARY #27766-1

Qty	Locate	Dia (in)	Type	Proj (in)
○ 12	Jamb	5/8"	F1554	3.00
⊠ 44	Endwall	3/4"	F1554	3.00
× 72	Frame	1"	F1554	4.00
⊠ 16	Frame	3/4"	F1554	3.50

ANCHOR BOLT SUMMARY #27766-2

Qty	Locate	Dia (in)	Type	Proj (in)
○ 4	Endwall	5/8"	F1554	3.00
⊠ 32	Frame	3/4"	F1554	3.00

ANCHOR BOLT SUMMARY #27766-3

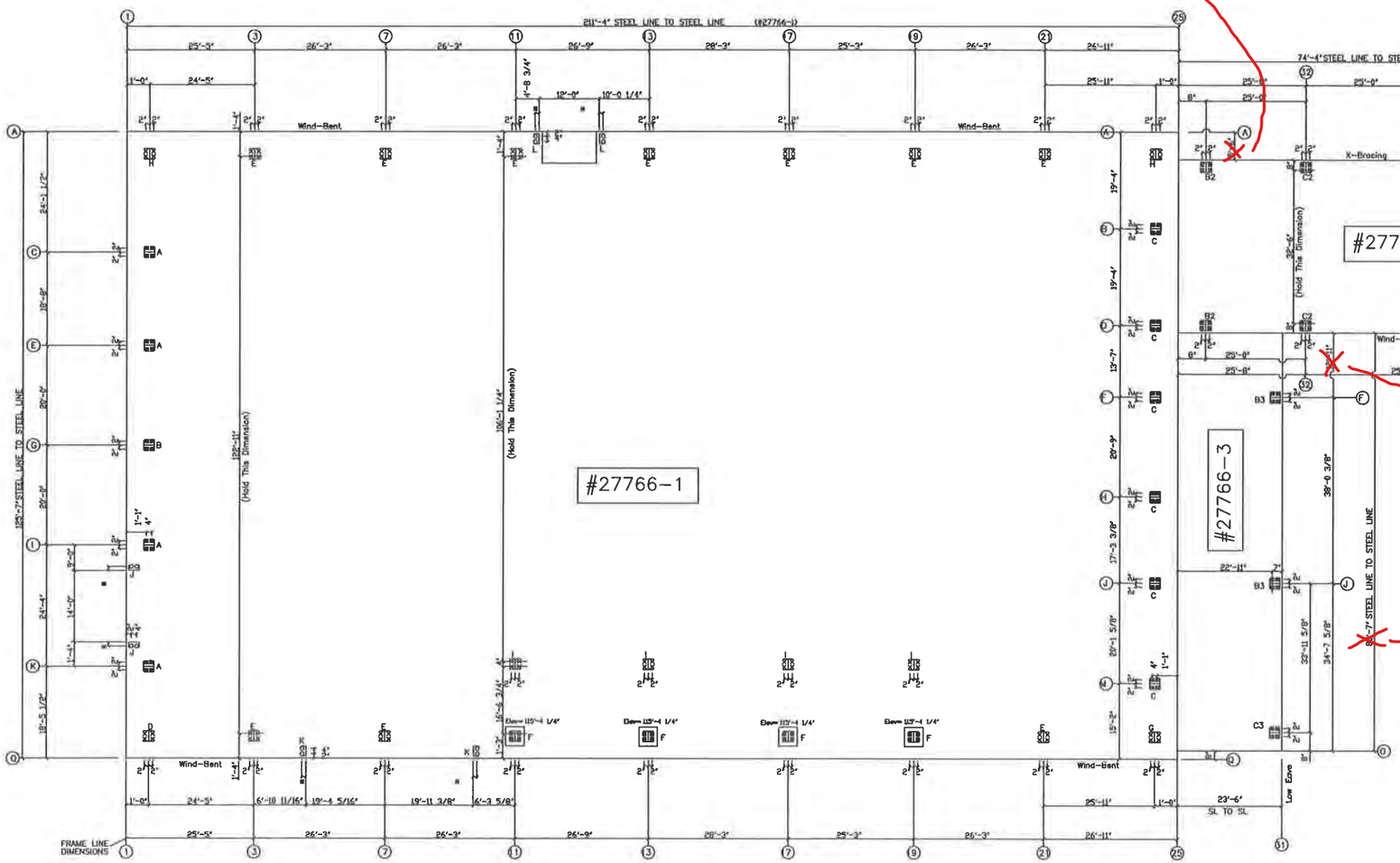
Qty	Locate	Dia (in)	Type	Proj (in)
⊠ 12	Frame	3/4"	F1554	3.00

This dimension will change to 4'-10"

3' WALL PANEL AND GIRT EXTENSION FROM GRID 35

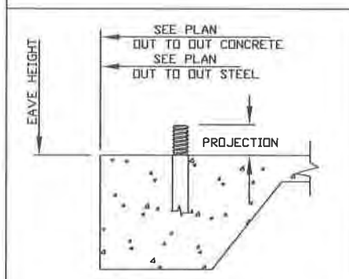
This dimension will change to 13'-7"

This dimension will change to 86'-3"

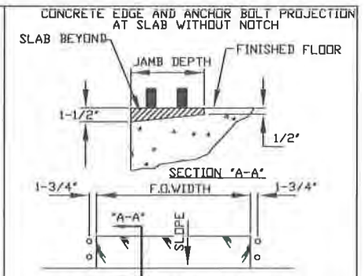


ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)

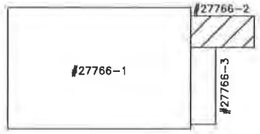
* 1-3/4"



CONCRETE EDGE AND ANCHOR BOLT PROJECTION



TYP. OVERHEAD DOOR RECESS DETAIL



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS 10/26/22

FIELD LOCATED OPENINGS :

QTY:	DESCRIPTION:
1	3'-4"x7'-2"

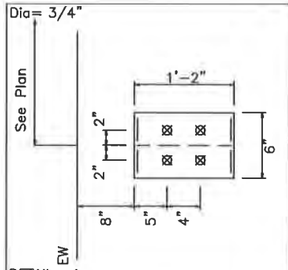
REVISIONS

REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

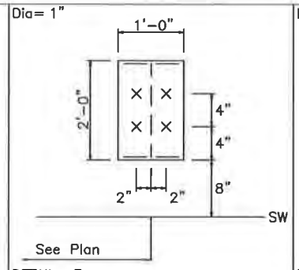
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT PLAN		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/20/22	SHEET	1 OF 12

Dia= 3/4"



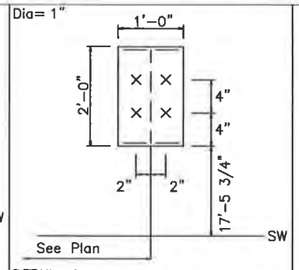
DETAIL A

Dia= 1"



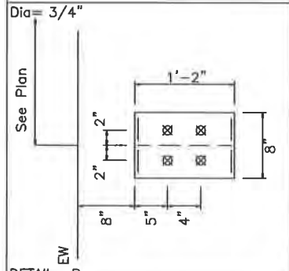
DETAIL E

Dia= 1"



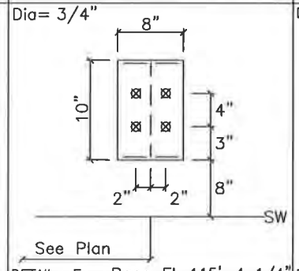
DETAIL I

Dia= 3/4"



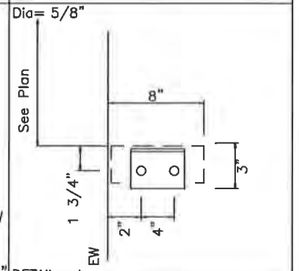
DETAIL B

Dia= 3/4"



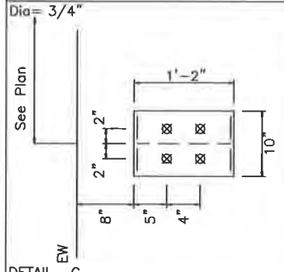
DETAIL F Base EL. 115'-4 1/4"

Dia= 5/8"



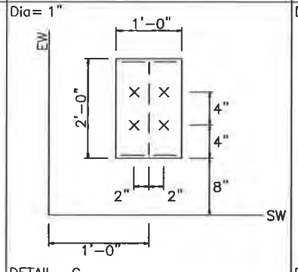
DETAIL J

Dia= 3/4"



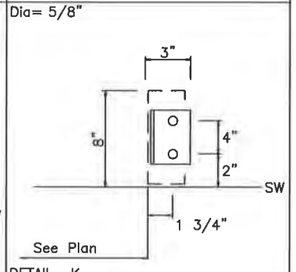
DETAIL C

Dia= 1"



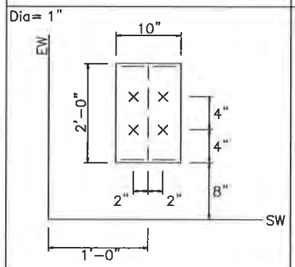
DETAIL G

Dia= 5/8"



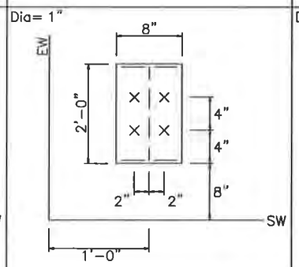
DETAIL K

Dia= 1"



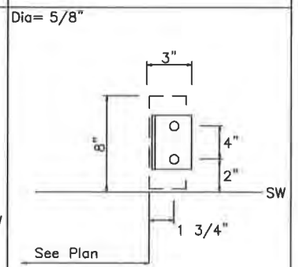
DETAIL D

Dia= 1"



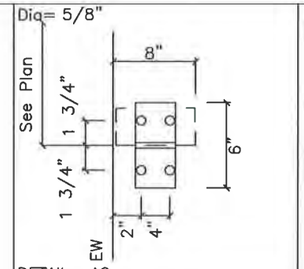
DETAIL H

Dia= 5/8"



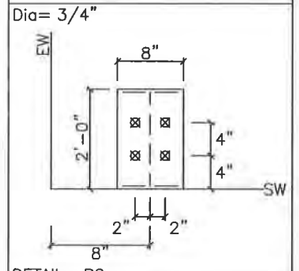
DETAIL L

Dia= 5/8"



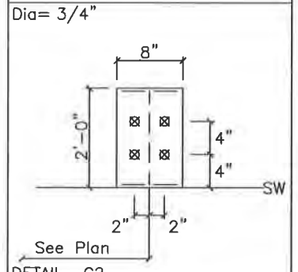
DETAIL A2

Dia= 3/4"



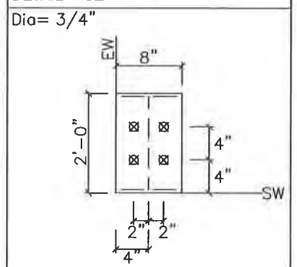
DETAIL B2

Dia= 3/4"



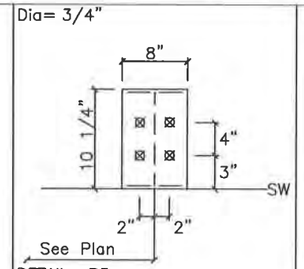
DETAIL C2

Dia= 3/4"



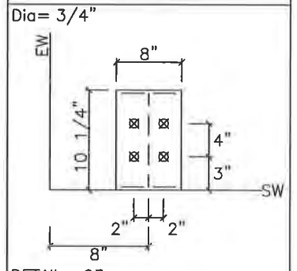
DETAIL D2

Dia= 3/4"

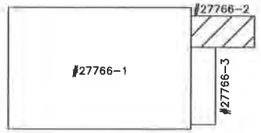


DETAIL B3

Dia= 3/4"



DETAIL C3



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

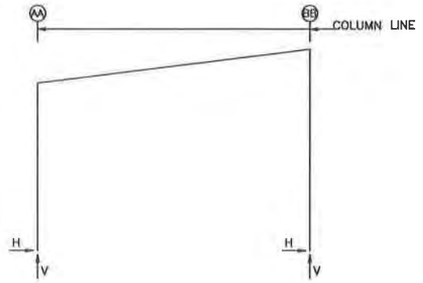
10/20/22

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT DETAILS		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/20/22	SHEET	2

FRAME LINES: 25 32 34 35



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
25	AA	4	0.750	8.000	24.00	0.500	0.0
25	BB	4	0.750	8.000	24.00	0.500	0.0

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
32*	AA	4	0.750	8.000	24.00	0.500	0.0
32*	BB	4	0.750	8.000	24.00	0.500	0.0

32* Frame lines: 32 34

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
35	AA	4	0.750	8.000	24.00	0.500	0.0
35	BB	4	0.750	8.000	24.00	0.500	0.0

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft) Wind	Seis	Note
L_EW	25								(h)
F_SW	BB	32,34	2.7	4.9	0.4	0.7			(b)
R_EW	35								(h)
B_SW	AA	34,32	3.8	2.9	0.9	0.7			

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

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
25	AA	0.2	1.8	0.3	2.1	0.6	4.2	0.1	0.7	0.9	5.1	-2.8	-9.9
25	BB	-0.2	2.8	-0.3	4.4	-0.6	10.8	-0.1	1.9	-0.9	6.6	-3.0	-7.3

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
25	AA	5.0	-2.6	-5.4	-3.4	2.3	3.9	2.2	-8.0	2.3	-6.0	-0.2	-0.2
25	BB	3.2	-7.0	-0.4	-0.8	5.9	-0.5	-1.6	-4.7	-2.4	-1.8	-0.1	0.2

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	-MIN_SNOW- Horiz	-MIN_SNOW- Vert
25	AA	0.2	0.2	0.2	1.1
25	BB	0.1	-0.2	-0.2	1.3

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
32*	AA	0.3	2.8	0.5	4.1	0.9	8.0	0.2	1.4	0.1	0.9	-1.5	-14.3
32*	BB	-0.3	4.1	-0.5	6.5	-0.9	15.8	-0.2	2.7	-0.1	2.4	1.1	-14.3

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
32*	AA	9.0	-4.9	-9.3	-4.6	1.3	4.8	6.9	-11.2	6.9	-8.2	-0.4	-0.4
32*	BB	5.0	-15.0	-2.2	0.7	1.8	0.0	3.7	-12.8	2.9	-8.5	-0.2	0.4

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	-MIN_SNOW- Horiz	-MIN_SNOW- Vert
32*	AA	0.4	0.4	0.3	2.0
32*	BB	0.2	-0.4	-0.3	2.6

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
35	AA	0.2	1.9	0.4	2.5	0.7	4.8	0.1	0.8	0.0	0.0	-2.0	-10.3
35	BB	-0.2	2.9	-0.4	4.8	-0.7	11.6	-0.1	2.0	0.0	1.3	1.1	-10.1

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
35	AA	5.7	-3.0	-6.4	-4.4	1.3	2.9	3.9	-7.7	3.9	-5.4	-0.2	-0.3
35	BB	3.8	-8.7	-1.1	-1.1	1.7	0.3	2.9	-7.4	2.1	-4.0	-0.2	0.3

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	-MIN_SNOW- Horiz	-MIN_SNOW- Vert
35	AA	0.2	0.3	0.2	1.2
35	BB	0.2	-0.3	-0.2	1.5

32* Frame lines: 32 34

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz
35	AB0.1		-0.9	1.0

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
35	AB	4	0.625	6.000	6.000	0.188	0.0

GENERAL NOTES

(1.) APPLICATION OF ENGINEERS SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

(2.) FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER.

(3.) ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.

(4.) THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION. THE FOUNDATION IS TO BE DESIGNED BY A QUALIFIED ENGINEER TO SUPPORT THE BUILDING REACTIONS IN ADDITION TO OTHER LOADS IMPOSED BY THE BUILDING USE OR OCCUPANCY WITH RESPECT TO JOB SITE CONDITIONS.

(5.) ALL ANCHOR BOLTS TO BE ASTM F1554 GRADE 36 MIN. OR GRADE 55 (UNLESS NOTED)

(6.) VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AS WELL AS OTHER FACTORS.

(7.) WIND REACTIONS ARE BASED ON Vult.

DESIGN LOAD DEFINITIONS

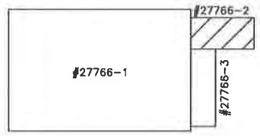
RIGID FRAME LOAD CASE DEFINITIONS

Wind_L1/Wind_R1 = Lateral wind load from the left/right with a negative internal pressure coefficient.
Wind_L2/Wind_R2 = Lateral wind load from the left/right with a positive internal pressure coefficient.
Wind_Ln1 = Longitudinal wind load with a negative internal pressure coefficient.
Wind_Ln2 = Longitudinal wind load with a positive internal pressure coefficient.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
LWIND#_L#E/ LWIND#_R#E = Longitudinal wind loads for edge zones.
F#UNB_SL_L/ F#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
F#PAT_LL # = Pattern live load for continuous beam systems.

'Note: Bracing reactions are not already included in combination with any other load but must be added to basic reactions as desired by the foundation designer.'

Endwall Load Case Definitions

Collat = Collateral Load
Rafter Wind_L/ Rafter Wind_R = Lateral wind load from the left/right.
Brace Wind_L/ Brace Wind_R = Lateral wind load from the left/right with the bracing loads added.
Wind_P/Wind_S = Wind Pressure/Suction due to longitudinal wind.
Wind_Ln# = Longitudinal wind load on the roof.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
E#UNB_SL_L/ E#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
E#PAT_LL # = Pattern live load for continuous beam systems.
LWIND#_L/LWIND#_R = Longitudinal wind loads for edge zones.



KEY PLAN

SEAL

REVISIONS						
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

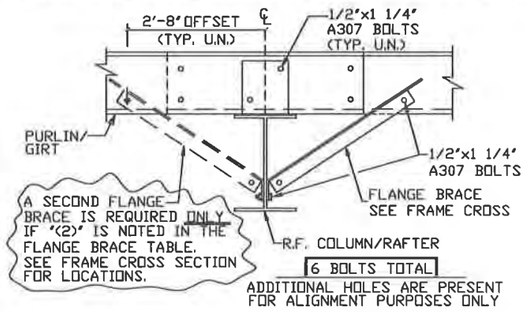
DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT ID	27766-2	ANCHOR BOLT DETAILS & REACTIONS		
		DESIGN: ZJM	DRAFT: KVB	CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	3

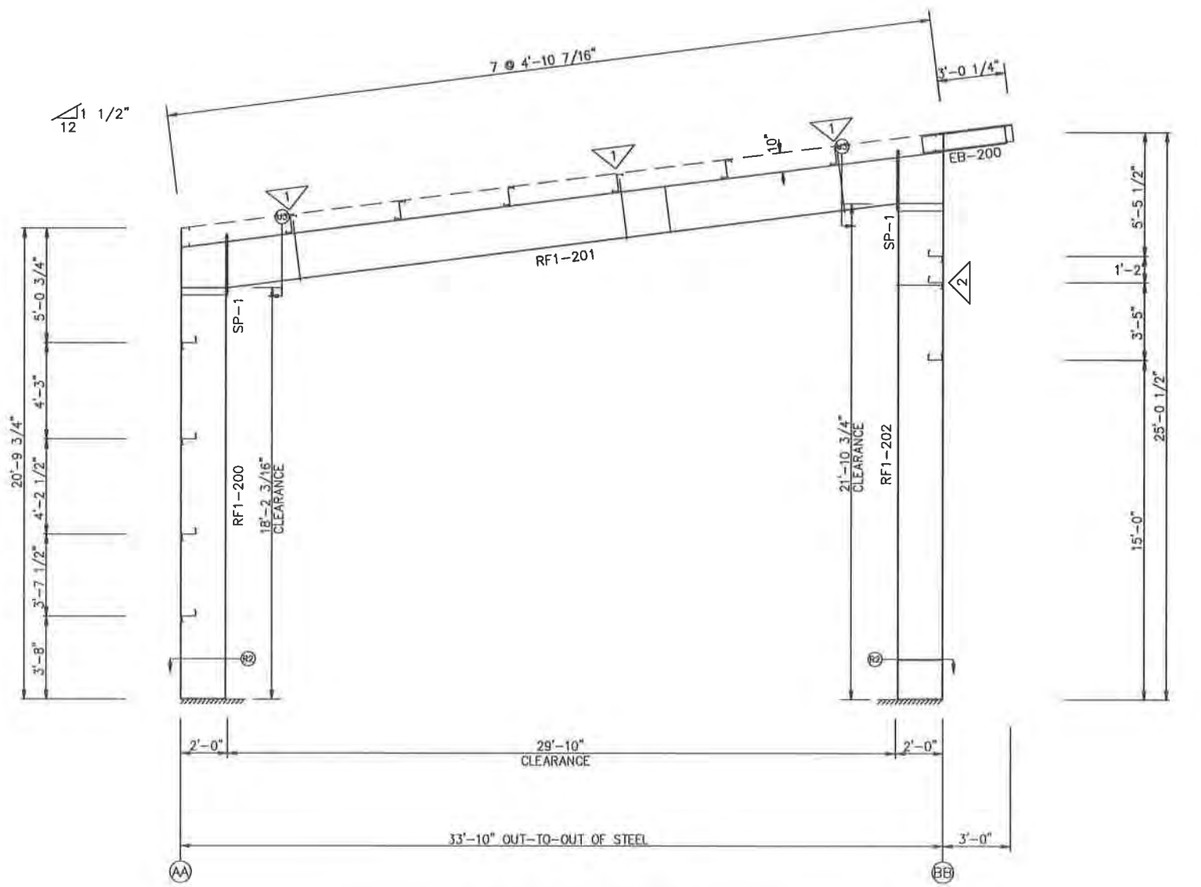
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 25				
∇ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB44.5A	3'-8 1/2"	2'-8"
2	1	FB40A	3'-4"	2'-8"

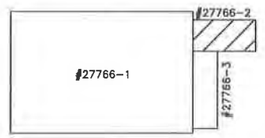
TYP. FLANGE BRACE CONNECTION TO PURLIN / GIRT



MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-200	23.5/23.5	0.135	213.7	6 x 1/4" x 239.0	6 x 1/4" x 213.7
	23.5/23.5	0.165	28.2	6 x 3/16" x 23.9	
RF1-201	24.0/24.0	0.165	238.0	6 x 3/16" x 359.3	6 x 3/16" x 359.3
	24.0/24.0	0.165	124.3		
RF1-202	23.5/23.5	0.165	31.3	6 x 3/16" x 23.9	6 x 1/4" x 258.4
	23.5/23.5	0.135	238.0	6 x 1/4" x 289.7	
	23.5/23.5	0.135	20.4		
EB-200	W10X12				



MAIN FRAME ELEVATION: FRAME LINE 25



KEY PLAN

SEAL

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

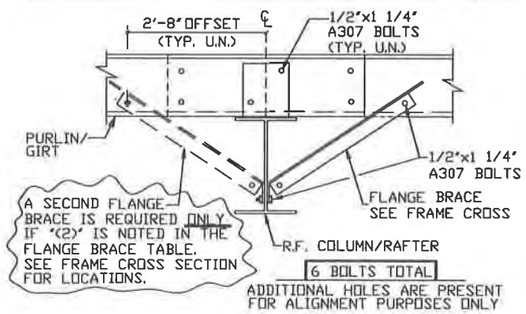
DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/21/22	SHEET	4

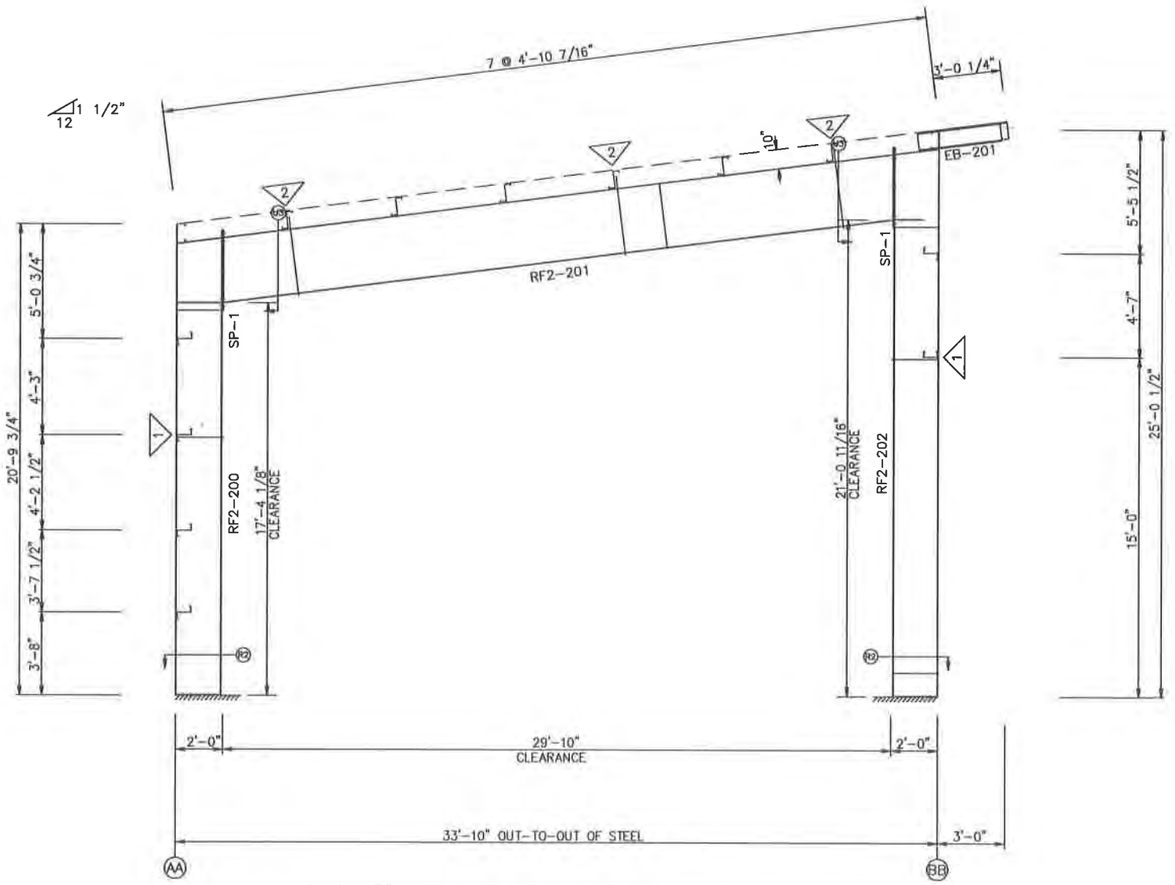
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	2	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 32 34				
▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB40A	3'-4"	2'-8"
2	1	FB51.5A	4'-3 1/2"	2'-8"

TYP. FLANGE BRACE CONNECTION TO PURLIN / GIRT



MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-200	23.5/23.5	0.135	203.6	6 x 1/4" x 239.0	6 x 1/4" x 203.6
	23.5/23.5	0.165	38.3	6 x 3/16" x 23.9	
RF2-201	34.0/34.0	0.188	238.0	6 x 3/16" x 359.3	6 x 3/16" x 359.3
	34.0/34.0	0.188	125.6		
RF2-202	23.5/23.5	0.165	41.4	6 x 3/16" x 23.8	6 x 5/16" x 248.3
	23.5/23.5	0.135	236.3	6 x 3/16" x 289.7	
	23.5/23.5	0.135	12.0		
EB-201	W10X12				



MAIN FRAME ELEVATION: FRAME LINE 32 34

KEY PLAN

SEAL

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
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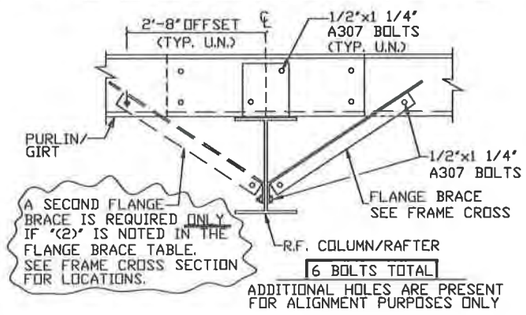
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/21/22	SHEET	5

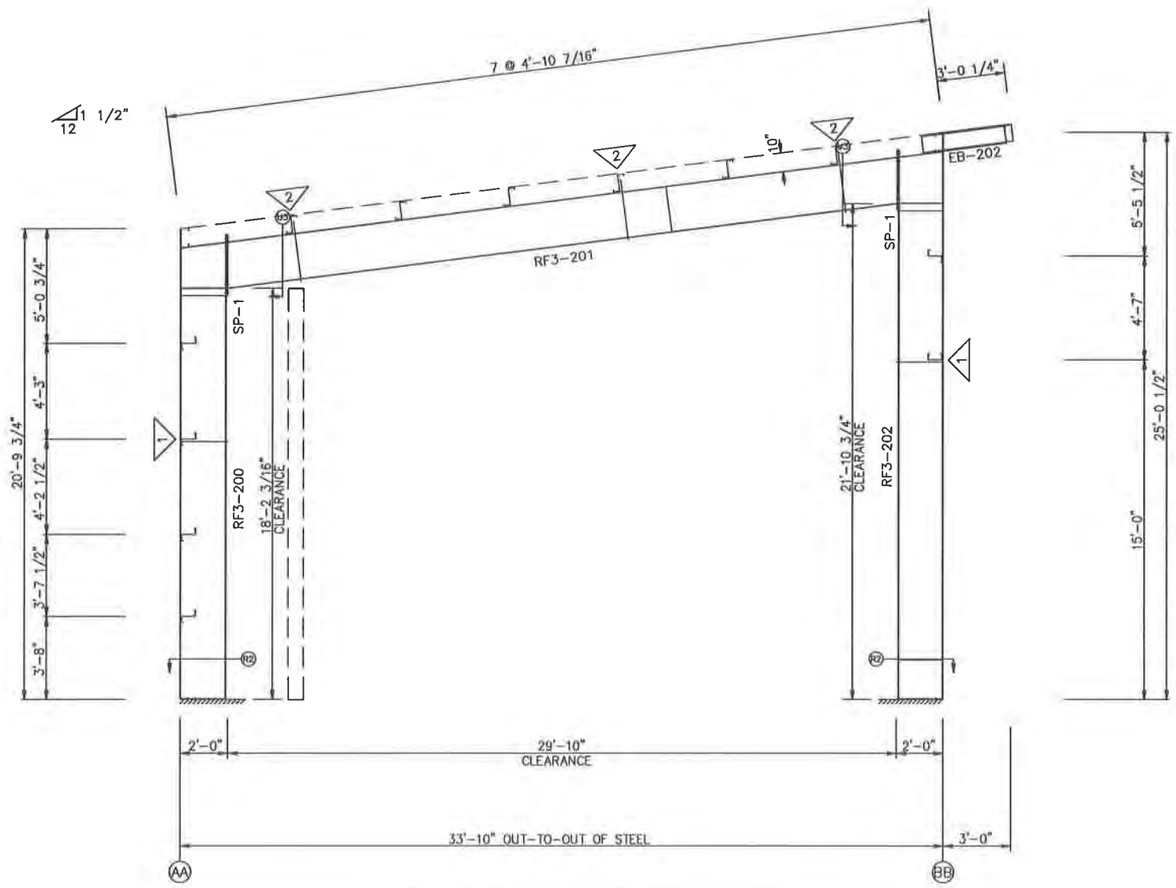
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 35				
∇ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB40A	3'-4"	2'-8"
2	1	FB44.5A	3'-8 1/2"	2'-8"

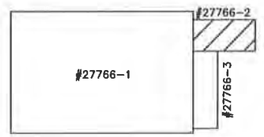
TYP. FLANGE BRACE CONNECTION TO PURLIN / GIRT



MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF3-200	23.5/23.5	0.135	213.7	6 x 1/4" x 239.0	6 x 1/4" x 213.7
	23.5/23.5	0.165	28.2	6 x 3/16" x 23.9	
RF3-201	24.0/24.0	0.165	238.0	6 x 3/16" x 359.3	6 x 3/16" x 359.3
	24.0/24.0	0.165	124.3		
RF3-202	23.5/23.5	0.165	31.3	6 x 3/16" x 23.9	6 x 1/4" x 258.4
	23.5/23.5	0.135	238.0	6 x 1/4" x 289.7	
	23.5/23.5	0.135	20.4		
EB-202	W10X12				



MAIN FRAME ELEVATION: FRAME LINE 35



KEY PLAN

SEAL

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

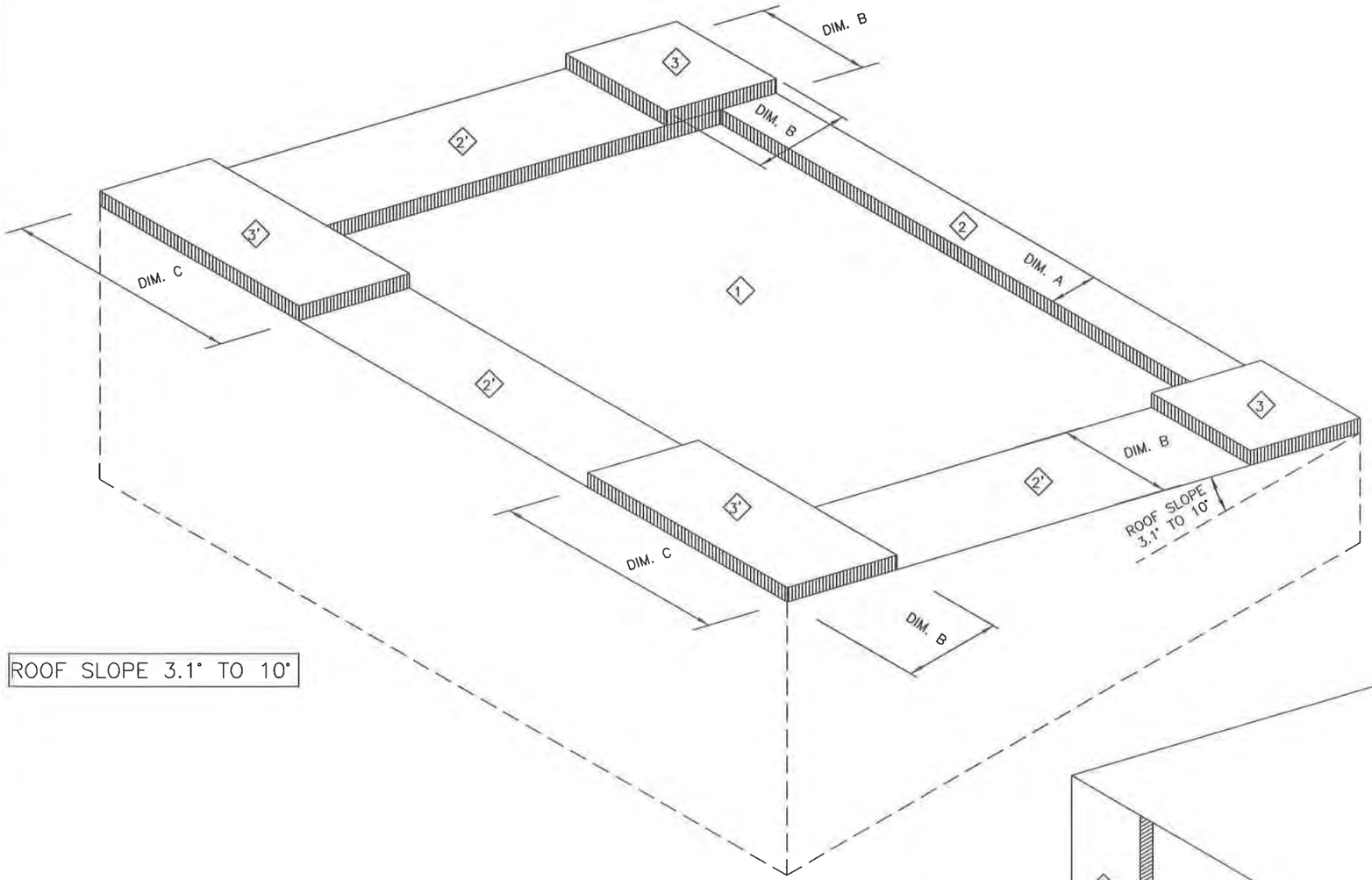
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/21/22	SHEET	6

WIND LOADING PRESSURES CHART (AREA <= 10 SQ.FT. FOR PANELS)	PRESSURE	SUCTION
ZONE 1 (ROOF INTERIOR)	23	-44
ZONE 2 (ROOF EDGE)	23	-49
ZONE 2' (ROOF EDGE)	23	-57
ZONE 3 (ROOF CORNER)	23	-62
ZONE 3' (ROOF CORNER)	23	-84
ZONE 4 (WALL INTERIOR)	38	-41
ZONE 5 (WALL EDGE)	38	-48
WALL ACCESSORIES		
> 10 SQFT (ZONE 4)	38	-41
>100 SQFT (ZONE 4)	34	-37
> 10 SQFT (ZONE 5)	38	-48
>100 SQFT (ZONE 5)	34	-38

NOTE :

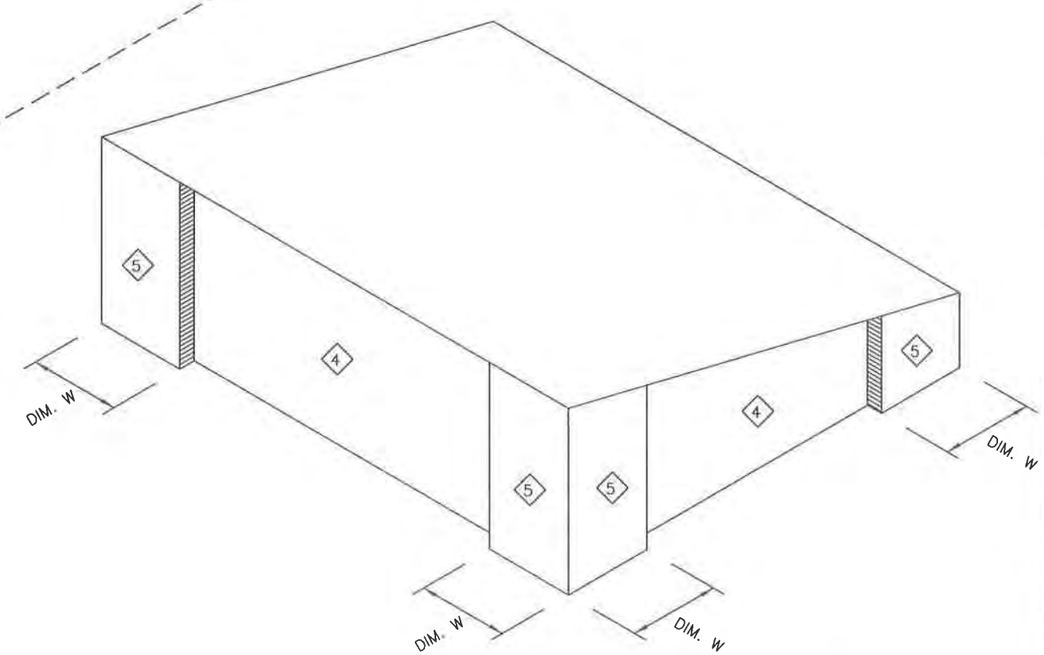
PRESSURES SHOWN ARE BASED ON Vult AND APPLICABLE INTERNAL COEFFICIENTS FOR THE ENCLOSURE CLASSIFICATION AND EXPOSURE CATEGORY. SEE COVER PAGE FOR APPLICABLE VALUES. FOR ALLOWABLE STRENGTH DESIGN PRESSURES, Vasd, MULTIPLY THE SHOWN VALUES BY 0.6.

ROOF & WALL PANELS ARE BY OTHERS

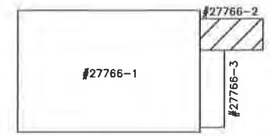


ROOF SLOPE 3.1° TO 10°

ROOF WIND ZONE & FASTENER DETAIL PLAN
ENCLOSED / PARTIALLY ENCLOSED



WALL WIND ZONE & FASTENER DETAIL PLĀN



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

REVISIONS						
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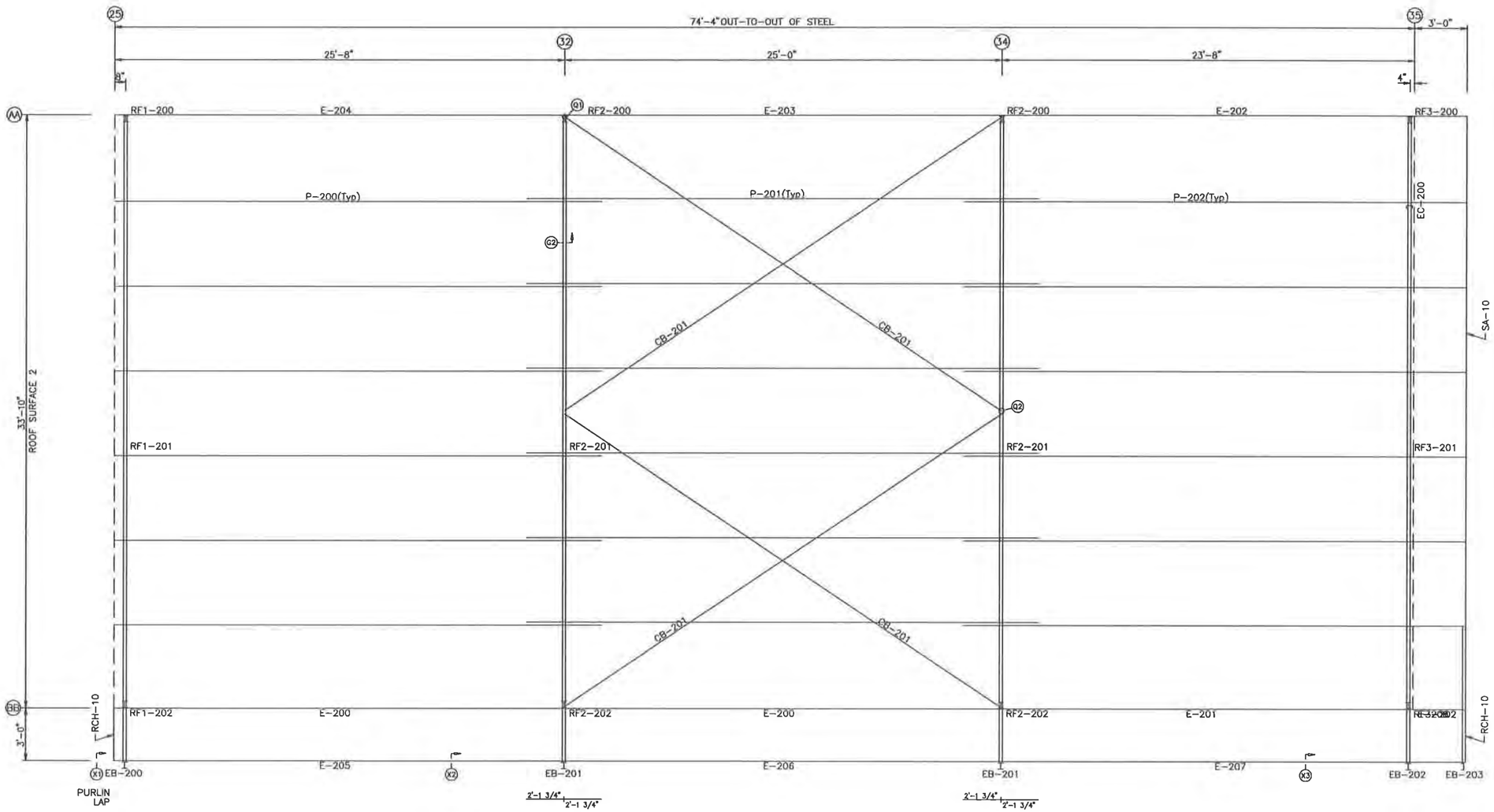
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	FASTENER DETAILS		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	7

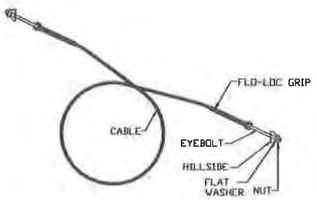
EXTENSION/CANOPY BOLTS ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-200	4	A325	5/8"	2 1/4"
EB-201	4	A325	5/8"	2 1/4"
EB-202	4	A325	5/8"	2 1/4"

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
EB-200	W10X12	4'-0 1/4"
EB-201	W10X12	4'-0 1/4"
EB-202	W10X12	4'-0 1/4"
EB-203	10X4CH16	7'-10 1/4"
P-200	10X35Z12	27'-9 1/2"
P-201	10X35Z14	29'-3 1/2"
P-202	10X35Z14	28'-9 1/2"
E-200	10E375D14	24'-4 1/2"
E-201	10E375D14	22'-8 1/2"
E-202	10E375D14	26'-7 1/2"
E-203	10E375D14	24'-11 1/2"
E-204	10E375D14	25'-7 1/2"
E-205	10X25C14	25'-7 1/2"
E-206	10X25C14	24'-11 1/2"
E-207	10X25C14	26'-7 1/2"
E-208	10E375D14	3'-0 1/4"
CB-201	0.250CBL	30'-4"

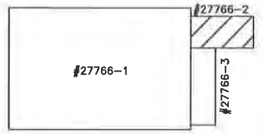


ROOF FRAMING PLAN

NOTE: ROOF SHEETING BY OTHERS



BRACE CABLE ASSEMBLY
CABLE HARDWARE FACTORY ATTACHED
SYMMETRICAL AT BOTH ENDS



KEY PLAN

SEAL

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 32023
VANESSA LYNN BANKS
10/26/22

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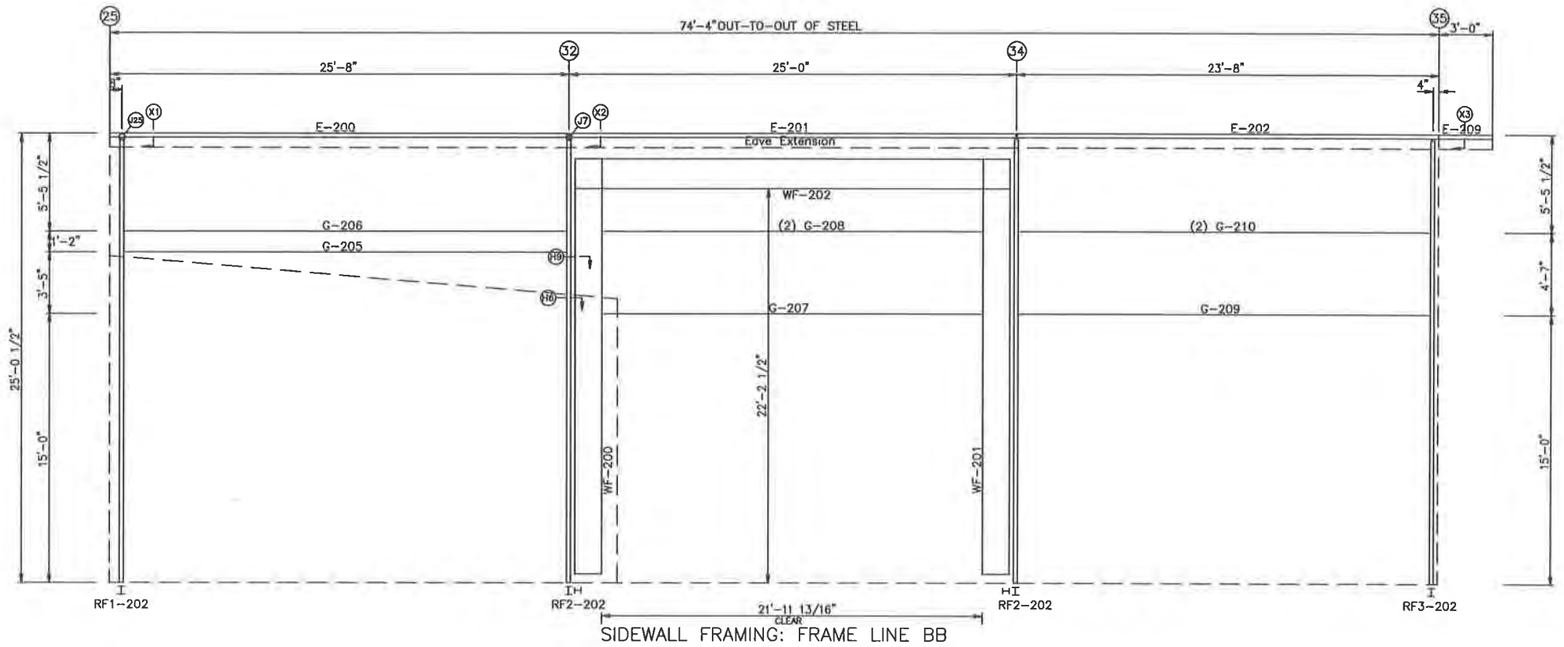
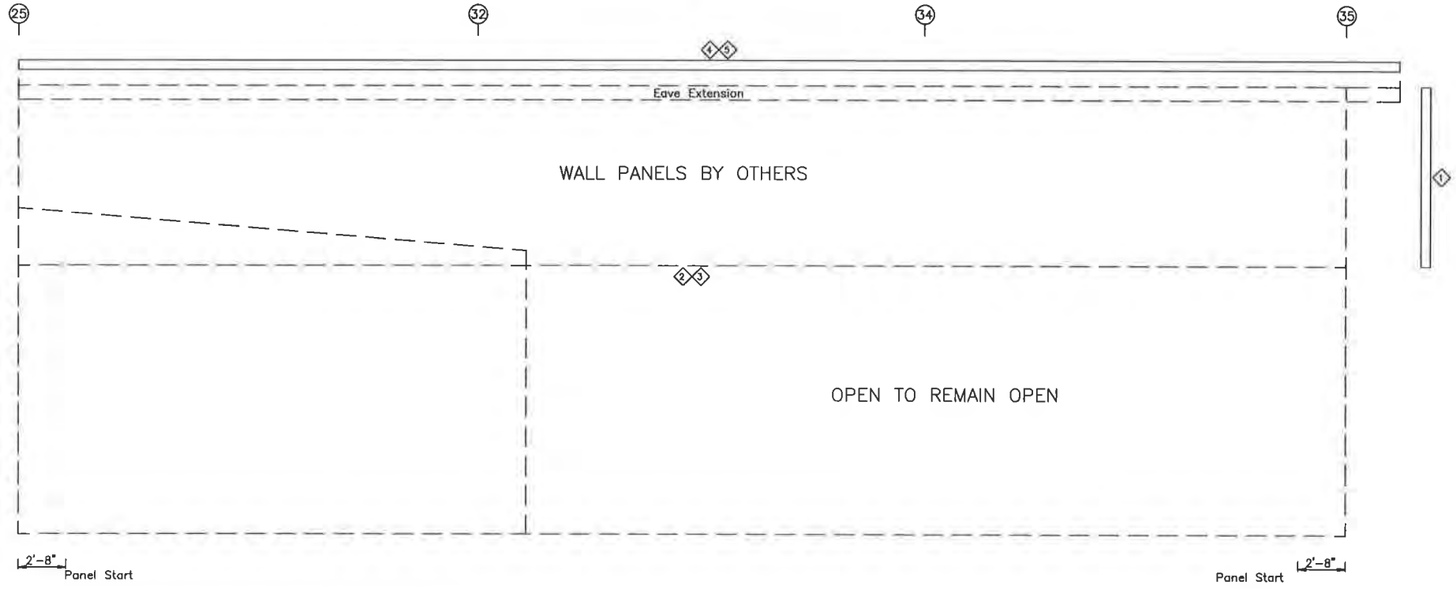
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ROOF FRAMING		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/21/22	SHEET	8

BOLT TABLE FRAME LINE BB				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-200 – WF-202	8	A325T	5/8"	2 1/4"
WF-201 – WF-202	8	A325T	5/8"	2 1/4"
WF-200 – RF2-202	12	A325T	5/8"	2 1/4"
WF-201 – RF2-202	12	A325T	5/8"	2 1/4"

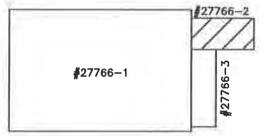


SIDEWALL FRAMING: FRAME LINE BB

MEMBER TABLE FRAME LINE BB		
MARK	PART	LENGTH
WF-200	W18651	23'-4 1/2"
WF-201	W18651	23'-4 1/2"
WF-202	W20651	21'-11 7/16"
E-200	10E375D14	24'-11 1/2"
E-201	10E375D14	24'-8"
E-202	10E375D14	23'-0"
E-209	10E375D14	3'-0 1/4"
G-205	8X25Z14	24'-4 1/2"
G-206	8X25Z13	24'-4 1/2"
G-207	8X25C14	21'-11 5/16"
G-208	8X25Z14	21'-11 5/16"
G-209	8X35C16	22'-8 1/2"
G-210	8X25Z16	22'-8 1/2"



SIDEWALL SHEETING & TRIM: FRAME LINE BB



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

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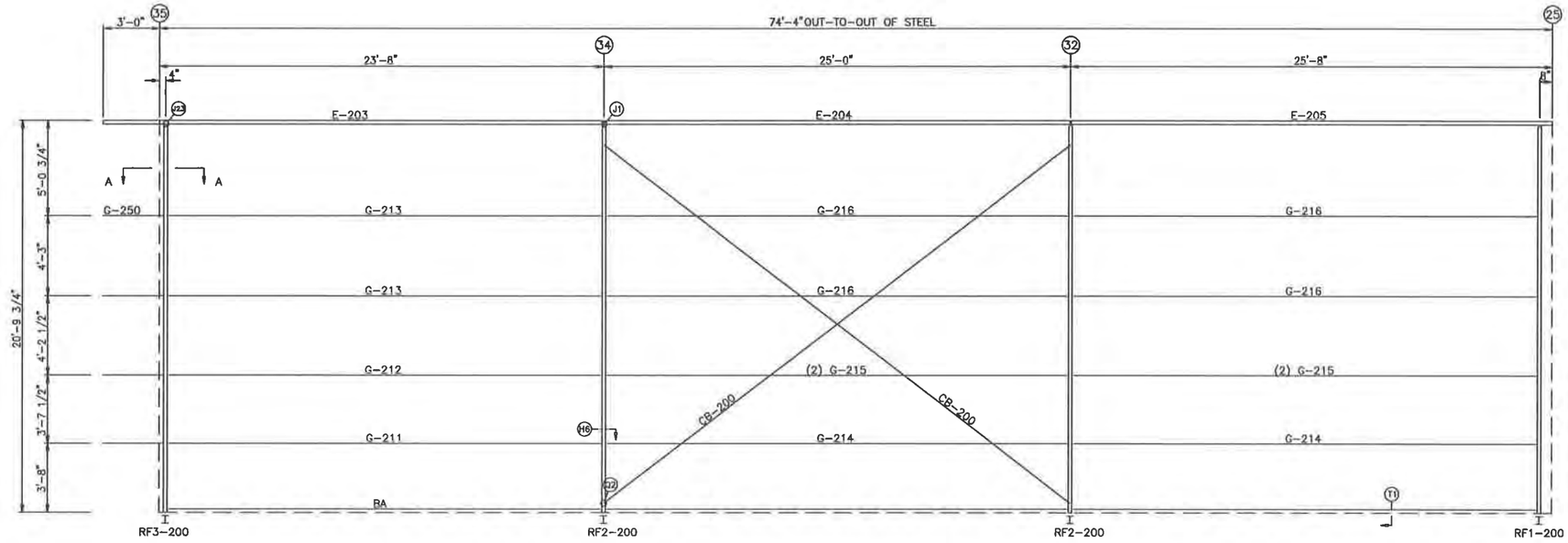
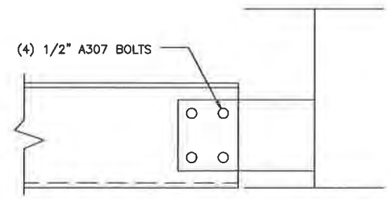
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	SIDEWALL FRAMING		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	9

MEMBER TABLE FRAME LINE AA		
MARK	PART	LENGTH
E-203	10E375D14	26'-7 1/2"
E-204	10E375D14	24'-11 1/2"
E-205	10E375D14	25'-7 1/2"
G-211	8X25Z13	22'-8 1/2"
G-212	8X35Z13	22'-8 1/2"
G-213	8X25Z12	22'-8 1/2"
G-214	8X25Z12	24'-4 1/2"
G-215	8X25Z16	24'-4 1/2"
G-216	8X35Z12	24'-4 1/2"
G-250	8X35Z14	TBD
CB-200	0.250CBL	32'-0"

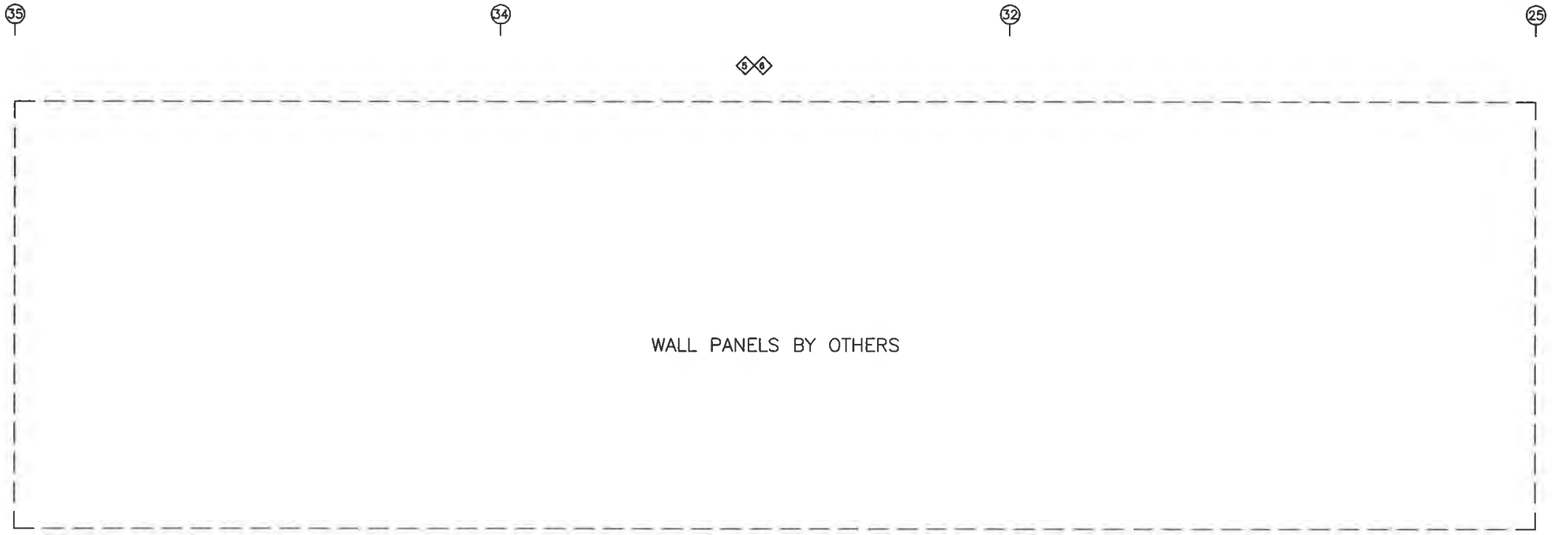


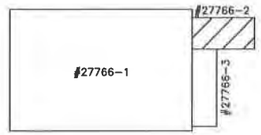
SIDEWALL FRAMING: FRAME LINE AA



SECTION A-A

One 3'-4" x 7'-2" framed opening for walkdoor by others will be added on this wall





KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

SIDEWALL SHEETING & TRIM: FRAME LINE AA

NOTE :
FIELD SLOT GIRTS AS REQUIRED FOR CABLES. SLOT SIZE NOT TO EXCEED 2"X4". FLANGES MUST NOT BE CUT.

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

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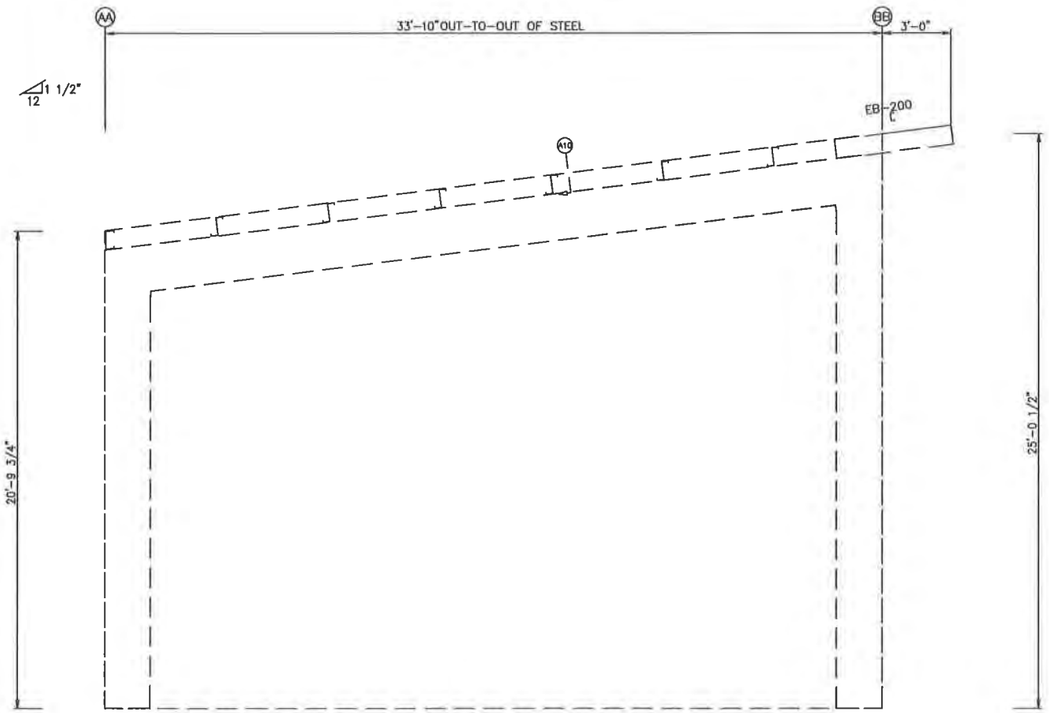
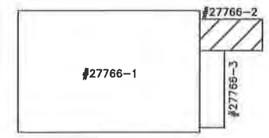
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	SIDEWALL FRAMING		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	10

MEMBER TABLE FRAME LINE 25		
MARK	PART	LENGTH
EB-200	10x35C16	4'-0 1/4"



ENDWALL FRAMING: FRAME LINE 25

ENDWALL SHEETING & TRIM: FRAME LINE 25



KEY PLAN

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
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ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

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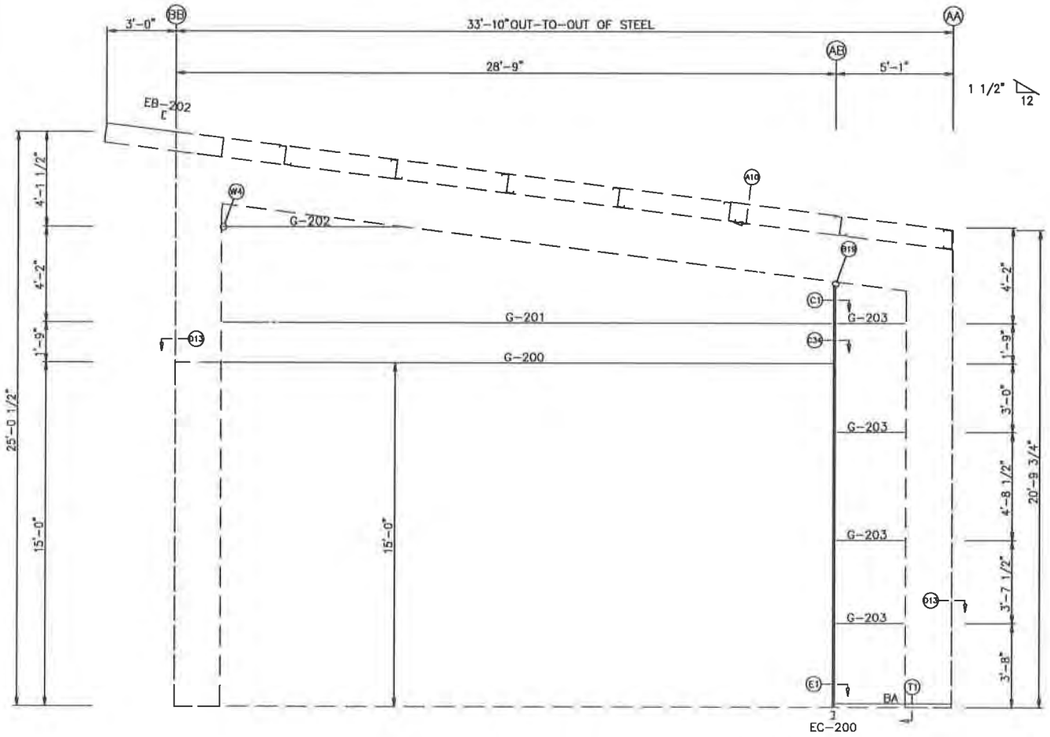
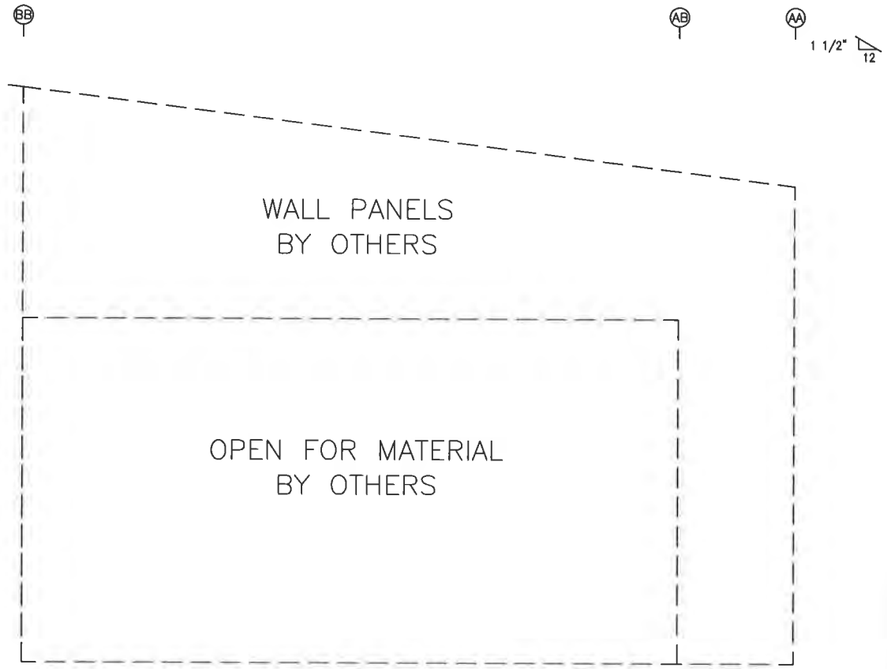
PROJECT	NEW BASE SUPPLY ANNEX	ENDWALL FRAMING		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	11

BOLT TABLE FRAME LINE 35				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325T	1/2"	1 1/2"

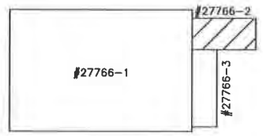
MEMBER TABLE FRAME LINE 35		
MARK	PART	LENGTH
EB-202	10x35C16	4'-0 1/4"
EC-200	8x35C16	18'-5 3/4"
G-200	8X25C16	26'-5"
G-201	8X35Z13	26'-5"
G-202	8X25Z16	7'-10 3/8"
G-203	8X25Z16	3'-0 1/2"



ENDWALL FRAMING: FRAME LINE 35



ENDWALL SHEETING & TRIM: FRAME LINE 35



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GENERAL NOTES:

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SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

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VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ENDWALL FRAMING		
ID	27766-2	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	12

IAS ACCREDITED Metal Building Systems AC 472

VULCAN STEEL STRUCTURES, INC.

MIAMI-DADE COUNTY APPROVED

MBMA METAL BUILDING MANUFACTURES ASSOCIATION

LETTER OF CERTIFICATION

VULCAN STEEL STRUCTURES, INC

Job Number 27766-3

Customer Name: BEAR BROTHERS

Job Location: MONTGOMERY, AL 36108

DATE: 10/12/22

DESIGNED BY: ZJM

DETAILED BY: KVB

CHECKED BY: ZJM

DESIGN PARAMETERS

BUILDING DESCRIPTION:

NOMINAL WIDTH:	23.5	feet
NOMINAL LENGTH:	85.58	feet
EAVE HEIGHT, BACK S.W:	16.25	feet
EAVE HEIGHT, FRONT S.W:	18.21	feet
ROOF SLOPE, LEFT:	1.0:12	
ROOF SLOPE, RIGHT:		

COMMENTS

DESIGN LOADS

BUILDING CODE:	IBC 15		
FRAME SELF WEIGHT:	INCLUDED	SNOW :	
ROOF DEAD LOAD:	4.800 psf	FLAT ROOF SNOW LOAD Pf :	3.5 psf
COLLATERAL LOAD:	10 psf	GROUND SNOW LOAD Pg :	5.00 psf
ROOF LIVE LOAD:	20.00 psf	SNOW LOAD IMP. FACTOR	1.00
FRAME LIVE LOAD:	20 psf	THERMAL FACTOR Ct :	1.00
SNOW LOAD, ROOF:	3.5 psf	SNOW EXP. FACTOR Ce :	1.00
WIND SPEED: (3 SEC GUST)	116 mph (Vult)	SNOW DRIFT :	51.90 psf max
	89.85 mph (Vasd)		
INTERNAL PRESSURE COEFF. :	0.55/-0.55	SPECIAL DEFLECTION CRITERIA :	
WIND EXPOSURE:	C	FRAME DRIFT :	H/240 Wall girts L/240
CLOSURE "C, O, P" :	Partially Enclosed	FRAME VERTICAL :	L/240
RISK CATEGORY :	II - Normal	ROOF PURLINS :	L/240

SEISMIC PARAMETERS

SEISMIC-FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE PROCEDURE

SITE CLASS (ASSUMED) :	D
SEISMIC IMPORTANCE:	1.00
SEISMIC DESIGN CATEGORY:	B
DESIGNED SPECTRAL ACCELERATION PARAMETER "SDS" - (SHORT PERIODS):	0.11
DESIGNED SPECTRAL ACCELERATION PARAMETER "SD1" - (1 SEC PERIODS):	0.09
MAPPED SPECTRAL RESPONSE ACCELERATION: "SS" - (SHORT PERIODS):	0.13
MAPPED SPECTRAL RESPONSE ACCELERATION: "S1" - (1 SEC PERIOD):	0.08
SEISMIC RESPONSE MODIFICATION COEFFICIENT: "R" -	3.00
SEISMIC RESPONSE COEFFICIENT: "Cs" -	0.036
TOTAL LONGITUDINAL BASE SHEAR :	0.00
TOTAL TRANSVERSE BASE SHEAR :	1.60

GENERAL NOTES

1. MATERIALS

	ASTM DESIGNATION	
STRUCTURAL STEEL PLATE	A529 OR A572	GRADE 50 or GRADE 55
COLD FORMED LIGHT GAGE SHAPES	A1011	GRADE 55
BRACE CABLES	A475 EHS	
HOT ROLLED MILL SHAPES	ASTM A992	GRADE 50
ROOF AND WALL SHEETS	A653 OR A792	GRADE 50 or GRADE 80
BOLTS	A307, F3125 GRADE A325 OR A490	A307 UNLESS NOTED

2. STRUCTURAL PRIMER

SHOP PRIMER PAINT IS A MINIMAL NON-UNIFORM THICKNESS COATING OF A RUST INHIBITIVE PRIMER (UNLESS NOTED OTHERWISE) SATISFYING THE REQUIREMENTS OF TT-P-664. THIS PRIMER IS NOT TO BE CONSIDERED A FINISH COAT AND IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS. THIS PRIMER IS NOT WARRANTED OR REPRESENTED AS BEING COMPATIBLE WITH ANY TYPE OF FINISH PAINT SYSTEM. THE PRIMER COAT APPLIED AT THE FACTORY IS SUBJECT TO BLEMISHES, SCUFFS, SCRATCHES AND THE LIKE DURING SHIPPING AND DURING HANDLING AS PART OF THE ERECTION PROCESS. IT IS THE RESPONSIBILITY OF THE ERECTOR TO TOUCH UP ANY SUCH UNDESIRABLE CONDITIONS DURING OR AFTER THE ERECTION PROCESS. OBJECTIONS TO PRIMER APPEARANCE SHALL NOT BE SUBJECT TO REJECTION OR BE CONSIDERED A CAUSE FOR REJECTION.

3. F3125 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE GRADE A325 UNLESS SPECIFICALLY NOTED OTHERWISE.

STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD IN ACCORDANCE WITH THE

A325T BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE NUT METHOD.

ALL HIGH STRENGTH BOLTS, EXCEPT AS NOTED OTHERWISE, ARE SUBJECT TO DIRECT TENSION AND MAY REQUIRE INSPECTION AS DEFINED BY THE APPLICABLE BUILDING CODE OR STANDARD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS.

4. BUILDER/CONTRACTOR RESPONSIBILITIES

THE METAL BUILDING MANUFACTURER'S STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS, THE METAL BUILDING MANUFACTURER'S DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK.

IN CASE OF DISCREPANCIES BETWEEN METAL BUILDINGS MANUFACTURER STRUCTURAL PLANS AND PLANS FOR OTHER TRADES. THE METAL BUILDING MANUFACTURER'S PLANS SHALL GOVERN.

IT IS THE RESPONSIBILITY OF THE BUILDER / CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.

APPROVAL OF METAL BUILDING MANUFACTURER'S DRAWINGS CONSTITUTES THE BUILDER / CONTRACTOR'S ACCEPTANCE OF THE METAL BUILDING MANUFACTURER'S INTERPRETATION OF THE CONTRACT PURCHASE ORDER.

ONCE THE BUILDER / CONTRACTOR OR A/E FIRM HAS SIGNED MANUFACTURER'S APPROVAL PACKAGE, CHANGES FROM THE PURCHASE ORDER BY THE BUILDER WILL BE BILLED TO THE BUILDER / CONTRACTOR FOR MATERIAL, ENGINEERING AND HANDLING FEES. SUCH CHANGES MAY CAUSE THE PROJECT TO BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE. A PENALTY FEE MAY BE CHARGED IF THE PROJECT MUST BE MOVED FROM THE FABRICATION AND / OR SHIPPING SCHEDULE, AS LONG AS THE MANUFACTURER'S DESIGN AND DETAILING APPROACH COMPLIES WITH THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR OR A/E FIRM ARE RESPONSIBLE FOR THE OVERALL PROJECT CONDITION. ALL INTERFACE AND COMPATIBILITY CONCERNING ANY MATERIALS NOT FURNISHED BY THE MANUFACTURER ARE TO BE CONSIDERED AND COORDINATED BY THE BUILDER / CONTRACTOR OR A/E FIRM. UNLESS SPECIFIC DESIGN CRITERIA CONCERNING THIS INTERFACE BETWEEN MATERIALS IS FURNISHED AS PART OF THE PURCHASE ORDER. THE METAL BUILDING MANUFACTURER'S ASSUMPTIONS WILL GOVERN.

THE BUILDER / CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL OTHER PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITY. SUPPLYING SEALED ENGINEERING DESIGN DATA AND DRAWINGS BY THE BUILDING MANUFACTURER DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. THESE DRAWINGS AND DESIGN DATA ARE SEALED AS TO THE STRUCTURAL SYSTEM FURNISHED BY THE METAL BUILDING MANUFACTURER IN COMPLIANCE WITH ALL REQUIREMENTS OF THE PURCHASE ORDER.

THE BUILDER / CONTRACTOR IS RESPONSIBLE FOR SETTING OF ANCHOR BOLTS AND ERECTION OF STEEL BUILDING COMPONENTS IN ACCORDANCE WITH THE METAL BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS. TEMPORARY SUPPORTS OR BRACING REQUIRED FOR THE BUILDING ERECTION WILL BE THE RESPONSIBILITY OF THE ERECTOR TO DETERMINE, FURNISH, AND INSTALL.

THE METAL BUILDING MANUFACTURER DOES NOT WARRANT STRUCTURAL INTEGRITY OF ANY COMPONENTS FIELD MODIFIED OR DESIGNED AND FABRICATED BY OTHERS. NEITHER DO WE ACCEPT DESIGN RESPONSIBILTY FOR THE EFFECTS NON STANDARD COMPONENTS DESIGNED BY OTHERS MAY HAVE ON THE SYSTEM IN GENERAL.

AS TAKEN FROM THE FOURTEENTH EDITION OF THE AISC MANUAL PAGE 16.3-56 PARAGRAPH 7.14 - READS AS FOLLOWS
"THE CORRECTION OF MINOR MISFITS BY MODERATE AMOUNTS OF REAMING, GRINDING, WELDING OR CUTTING, AND THE DRAWING OF ELEMENTS INTO LINE WITH DRIFT PINS, SHALL BE CONSIDERED TO BE NORMAL ERECTION OPERATIONS."

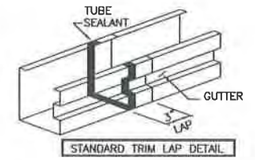
IF NDT (NON-DESTRUCTIVE WELD TESTING) IS REQUIRED, IT IS NOT PROVIDED BY THE SELLER AND IS THE SOLE RESPONSIBILITY OF THE BUYER.

SPECIAL NOTES:

BUILDING IS NOT STRUCTURALLY SOUND UNTIL ALL WALL COVERING, ROOF SHEETS, AND PERMANENT BRACING IS INSTALLED. BUILDER / CONTRACTOR IS RESPONSIBLE FOR SUPPORTS OR TEMPORARY BRACING DURING ERECTION, HE SHALL FURNISH, AND INSTALL THESE TEMPORARY SUPPORTS WHERE NECESSARY. TEMPORARY SUPPORTS ARE NOT PROVIDED BY THE METAL BUILDING MANUFACTURER.

OUTSIDE VENDOR ACCESSORY NOTE:

BUYER SHALL BE RESPONSIBLE TO COORDINATE, ASSURE AND VERIFY THAT THE STRUCTURE AND CLEARANCES AS PROVIDED BY BUILDING MANUFACTURER ARE COMPATIBLE WITH THE DOOR PROVIDED BY OTHERS.



STANDARD TRIM LAP DETAIL

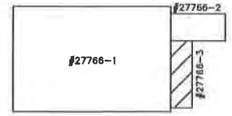
(TRIM VARIES)

NOTE: ALL TRIM CONTAINED ON THIS PROJECT WILL HAVE OUR STANDARD 3" LAP AS SHOWN ABOVE. (TRIM STYLE VARIES)

FRAMING PRIMER COLOR OR TYPE:
PRIMARY = RED PRIMER
SECONDARY = RED PRIMER

SHEETING AND TRIM COLORS	
ROOF PANEL:	
GAUGE	PANEL TYPE
22 GA.	B DECK BY OTHERS
WALL PANEL:	
INSULATED PANEL BY OTHERS	

See all notes in red added per Zach Watson with Vulcan Steel Structures



KEY PLAN

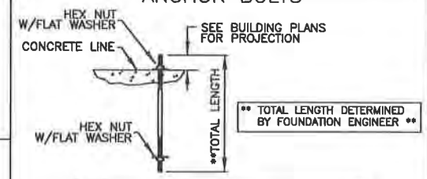
THE PROJECT DESIGNER IS NOT THE METAL BUILDING MANUFACTURER, THE METAL BUILDING DESIGNER OR THE METAL BUILDING ENGINEER. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS IS A SPECIALTY ENGINEER AND NOT THE PROJECT DESIGNER OR THE PROJECT ENGINEER OF RECORD. THE ENGINEER WHOSE SEAL APPEARS ON THE METAL BUILDING PLANS DOES NOT HAVE FAMILIARITY WITH THE PHYSICAL JOBSITE LOCATION AND THEREFORE CANNOT BE IDENTIFIED AS, SERVE AS OR QUALIFY AS THE PROJECT DESIGNER.

ENGINEER'S STAMP

ANCHOR BOLTS NOTES

MANUFACTURER RECOMMENDS USE OF STRAIGHT ROD ANCHOR BOLTS WITH NUT AND WASHER ON BOTH ENDS AS OPPOSED TO J-BOLTS OR ANCHOR BOLTS WITH HOOKS BECAUSE OF BETTER PERFORMANCE RESULTS IN CONCRETE FOUNDATIONS. THE TYPE OF BOLT USED FOR THE PROJECT SHALL BE DETERMINED BY THE FOUNDATION ENGINEER WITH THE BOLT STRENGTH MEETING OR EXCEEDING THAT OF AN ASTM F1554 GRADE 36 (MIN.) BOLT.

ANCHOR BOLTS



ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36 (MIN.) OR GRADE 55

ANCHOR BOLT SUMMARY #27766-1

Qty	Locate	Dia (in)	Type	Proj (in)
O 12	Jamb	5/8"	F1554	3.00
⊠ 44	Endwall	3/4"	F1554	3.00
X 72	Frame	1"	F1554	4.00
⊠ 16	Frame	3/4"	F1554	3.50

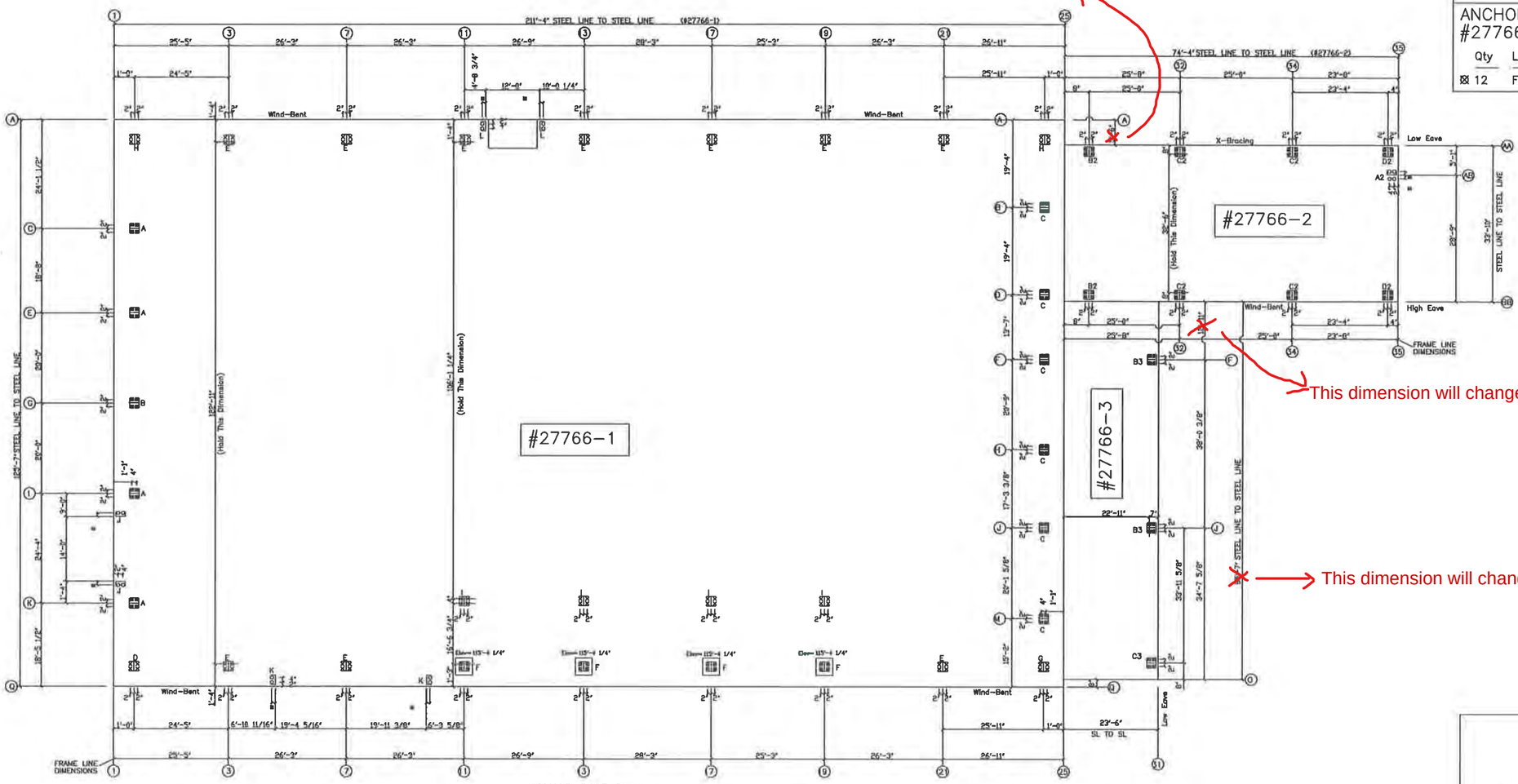
ANCHOR BOLT SUMMARY #27766-2

Qty	Locate	Dia (in)	Type	Proj (in)
O 4	Endwall	5/8"	F1554	3.00
⊠ 32	Frame	3/4"	F1554	3.00

ANCHOR BOLT SUMMARY #27766-3

Qty	Locate	Dia (in)	Type	Proj (in)
⊠ 12	Frame	3/4"	F1554	3.00

This dimension will change to 4'-10"

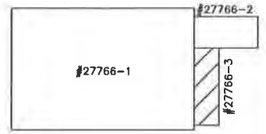


This dimension will change to 13'-7"

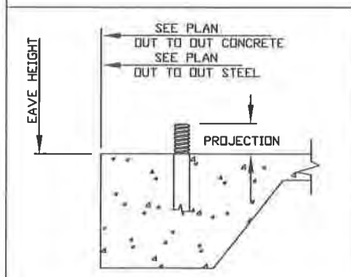
This dimension will change to 86'-3"

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

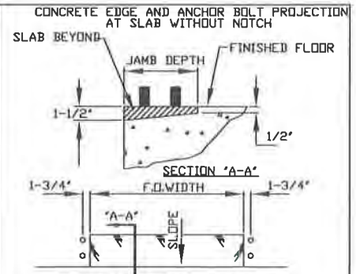
= 1-3/4"



KEY PLAN



CONCRETE EDGE AND ANCHOR BOLT PROJECTION



TYP. OVERHEAD DOOR RECESS DETAIL

SEAL

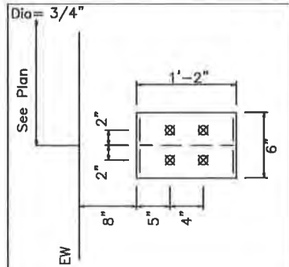
ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

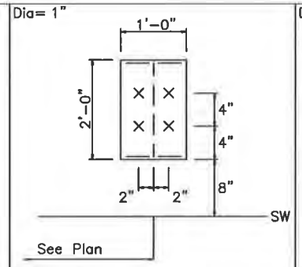
REVISIONS						
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

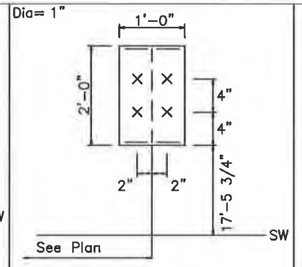
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT PLAN		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/20/22	SHEET 1 OF 12	



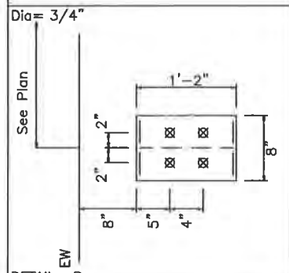
DETAIL A



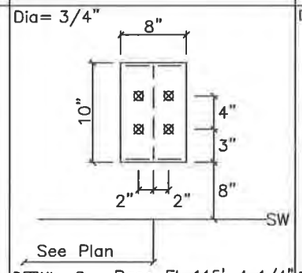
DETAIL E



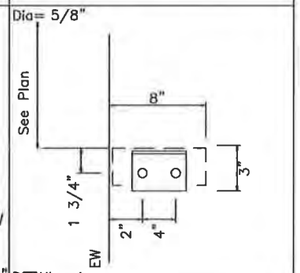
DETAIL I



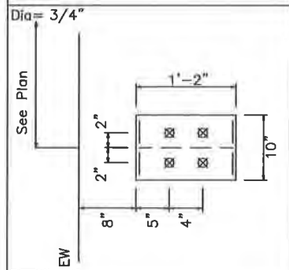
DETAIL B



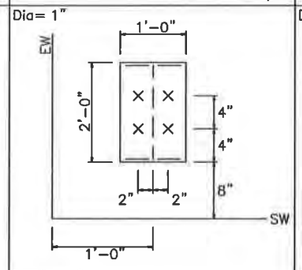
DETAIL F Base EL. 115'-4 1/4"



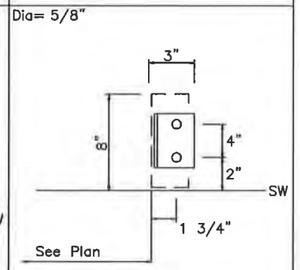
DETAIL J



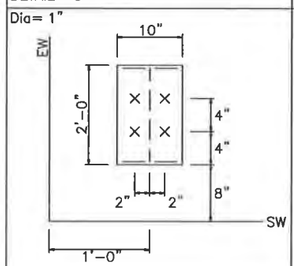
DETAIL C



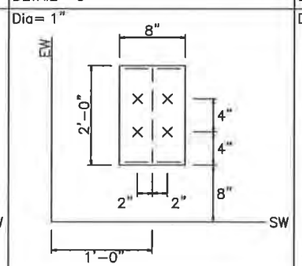
DETAIL G



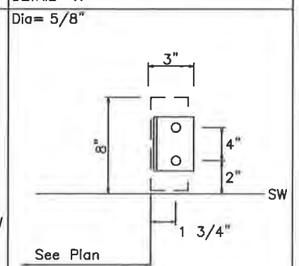
DETAIL K



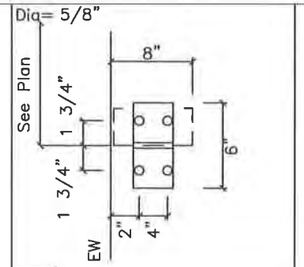
DETAIL D



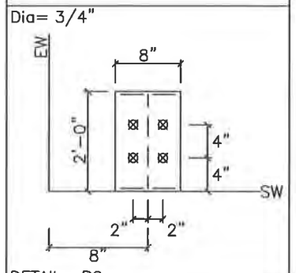
DETAIL H



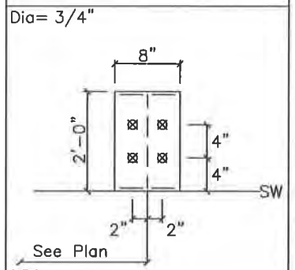
DETAIL L



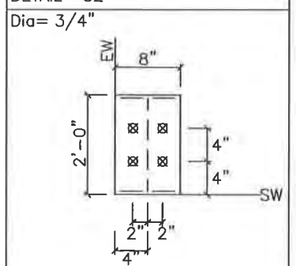
DETAIL A2



DETAIL B2



DETAIL C2



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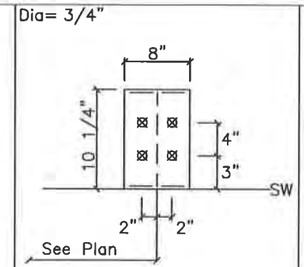
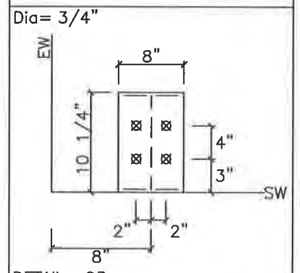
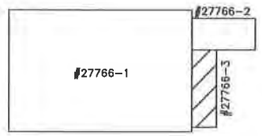


DETAIL B3



DETAIL C3



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

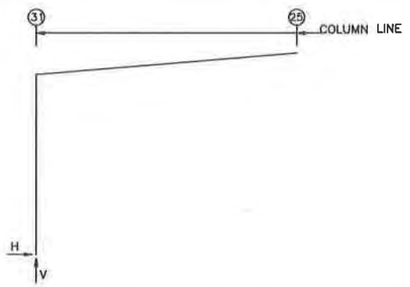
10/26/22

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS	
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT DETAILS	
ID	27766-3	DESIGN: ZJM / DRAFT: KVB	CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/20/22	SHEET 2

FRAME LINES: F J O



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
F*	31	4	0.750	8.000	10.25	0.500	0.0

F* Frame lines: F J

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Elev. (in)
O	31	4	0.750	8.000	10.25	0.500	0.0

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
F*	31	0.0	3.2	0.1	4.3	-0.1	10.8	0.0	1.9	0.1	2.9	1.2	-17.6

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert
F*	31	5.5	-11.7	-5.8	-4.7	-1.5	1.1	6.3	-14.3	6.4	-10.9	0.0	0.0

Frame Line	Column Line	Seismic_Right Horiz	Seismic_Right Vert	-MIN_SNOW- Horiz	-MIN_SNOW- Vert
F*	31	0.0	0.0	0.0	2.7

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Snow_Drift Horiz	Snow_Drift Vert	Wind_Left1 Horiz	Wind_Left1 Vert
O	31	0.0	1.8	0.0	2.1	0.0	5.3	0.0	0.9	0.0	1.3	0.3	-9.4

Frame Line	Column Line	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	-MIN_SNOW- Horiz	-MIN_SNOW- Vert
O	31	2.8	-6.1	-3.1	-3.1	-0.6	0.2	3.1	-8.5	3.2	-5.9	0.0	1.3

F* Frame lines: F J

GENERAL NOTES

(1.) APPLICATION OF ENGINEERS SEAL IS FOR METAL BUILDING ONLY AND DOES NOT REPRESENT THE PROFESSIONAL OF RECORD.

(2.) FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER.

(3.) ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.

(4.) THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION. THE FOUNDATION IS TO BE DESIGNED BY A QUALIFIED ENGINEER TO SUPPORT THE BUILDING REACTIONS IN ADDITION TO OTHER LOADS IMPOSED BY THE BUILDING USE OR OCCUPANCY WITH RESPECT TO JOB SITE CONDITIONS.

(5.) ALL ANCHOR BOLTS TO BE ASTM F1554 GRADE 36 MIN. OR GRADE 55 (UNLESS NOTED)

(6.) VALUES GIVEN FOR BENDS AND ANCHOR BOLT TOTAL LENGTHS ARE SUGESTED LENGTHS ONLY. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO DETERMINE THESE VALUES SINCE THEY ARE A FUNCTION OF CONCRETE STRENGTH AS WELL AS OTHER FACTORS.

(7.) WIND REACTIONS ARE BASED ON Vult.

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	BB						70	8	
F_SW	25								(f)
R_EW	O								(h)
B_SW	31	Torsional Bracing Used							

(f)Bracing loads are applied to adjacent building
(h)Rigid frame at endwall

DESIGN LOAD DEFINITIONS

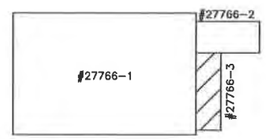
RIGID FRAME LOAD CASE DEFINITIONS

Wind_L1/Wind_R1 = Lateral wind load from the left/right with a negative internal pressure coefficient.
Wind_L2/Wind_R2 = Lateral wind load from the left/right with a positive internal pressure coefficient.
Wind_Ln1 = Longitudinal wind load with a negative internal pressure coefficient.
Wind_Ln2 = Longitudinal wind load with a positive internal pressure coefficient.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
LWIND#_L#E/ LWIND#_R#E = Longitudinal wind loads for edge zones.
F#UNB_SL_L/ F#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
F#PAT_LL # = Pattern live load for continuous beam systems.

'Note: Bracing reactions are not already included in combination with any other load but must be added to basic reactions as desired by the foundation designer.'

Endwall Load Case Definitions

Collat = Collateral Load
Rafter Wind_L/ Rafter Wind_R = Lateral wind load from the left/right.
Brace Wind_L/ Brace Wind_R = Lateral wind load from the left/right with the bracing loads added.
Wind_P/Wind_S = Wind Pressure/Suction due to longitudinal wind.
Wind_Ln# = Longitudinal wind load on the roof.
Seismic_L/Seismic_R = Lateral Seismic load from left/right.
E#UNB_SL_L/ E#UNB_SL_R = Unbalanced roof snow load with wind from the left/right.
E#PAT_LL # = Pattern live load for continuous beam systems.
LWIND#_L/LWIND#_R = Longitudinal wind loads for edge zones.



KEY PLAN

SEAL

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

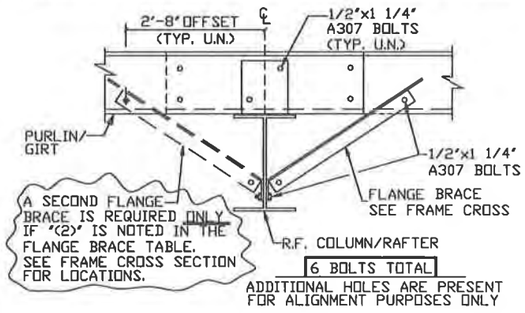
DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS	
PROJECT	NEW BASE SUPPLY ANNEX	ANCHOR BOLT DETAILS & REACTIONS	
ID	27766-3	DESIGN: ZJM	DRAFT: KVB CHECK: RM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET 3

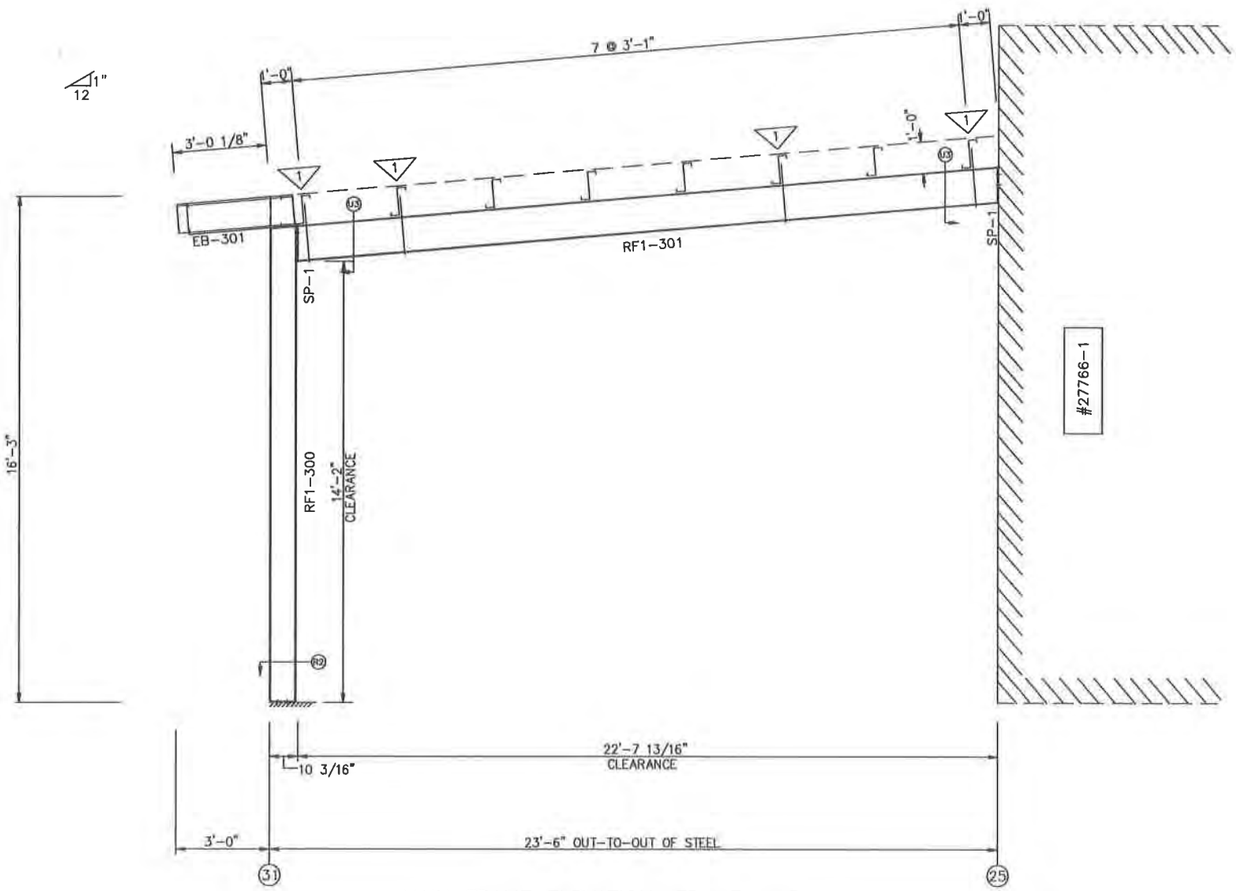
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	0	0	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE F J				
∇ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB40A	3'-4"	2'-8"

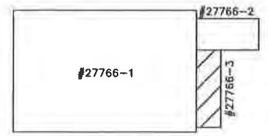
TYP. FLANGE BRACE CONNECTION TO PURLIN / GIRT



MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF1-300	W10X22	15'-2 15/16"
RF1-301	W14X22	22'-8 5/8"



MAIN FRAME ELEVATION: FRAME LINE F J



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/20/22

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

REVISIONS						
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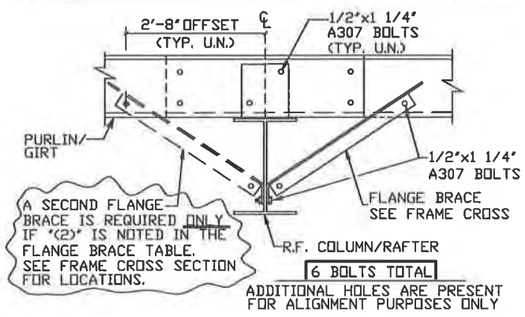
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	4

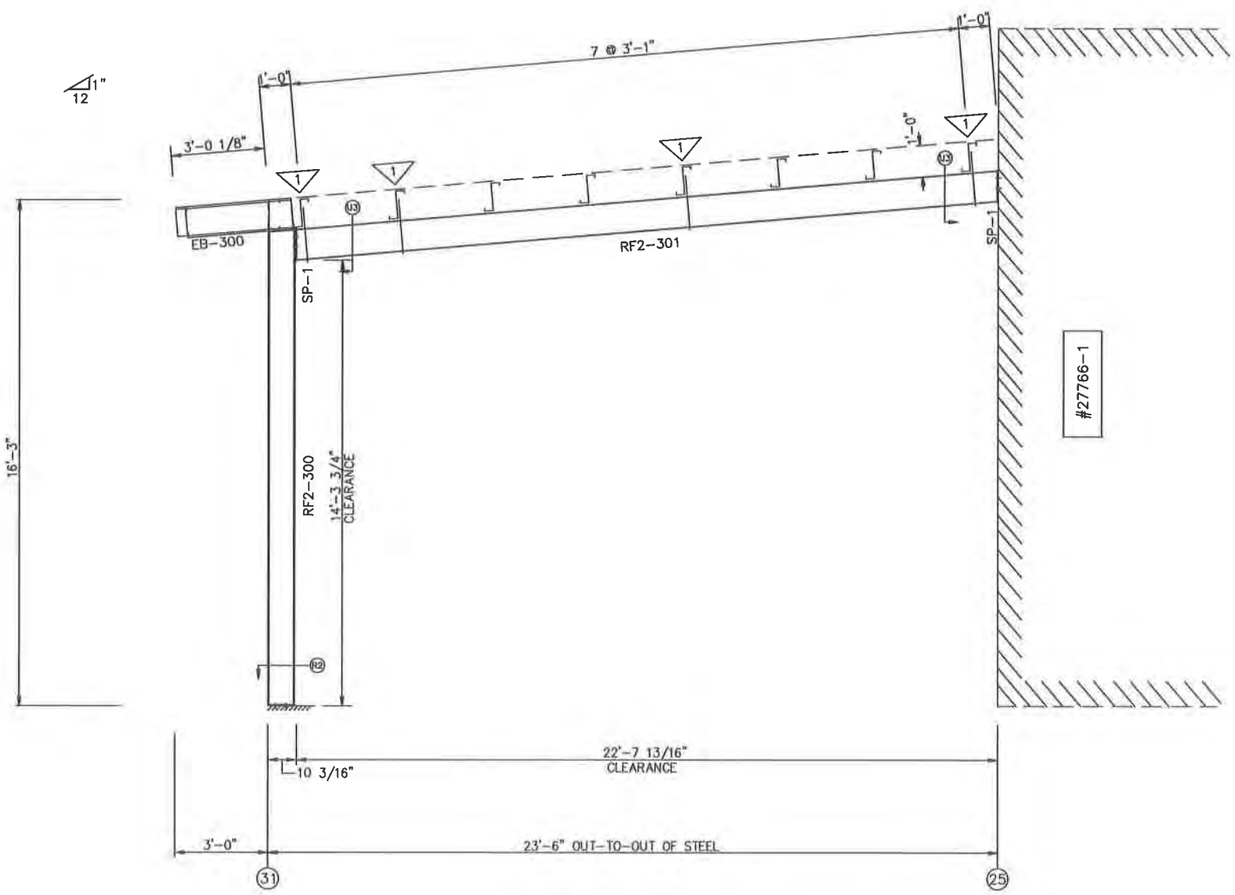
SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	0	0	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE O				
∇ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB39A	3'-3"	2'-8"

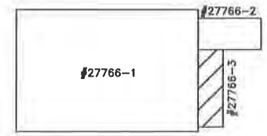
TYP. FLANGE BRACE CONNECTION TO PURLIN / GIRT



MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
RF2-300	W10X22	15'-2 15/16"
RF2-301	W12X14	22'-8 5/8"



MAIN FRAME ELEVATION: FRAME LINE O



KEY PLAN

SEAL

10/26/22

GENERAL NOTES:

* NOTICE TO ERECTOR *

(A)It is IMPORTANT that for members exceeding 30 ft. in length that a spreader bar be used when lifting.

(B)ALL flange braces and wind bracing must be installed prior to exterior finishes being applied.

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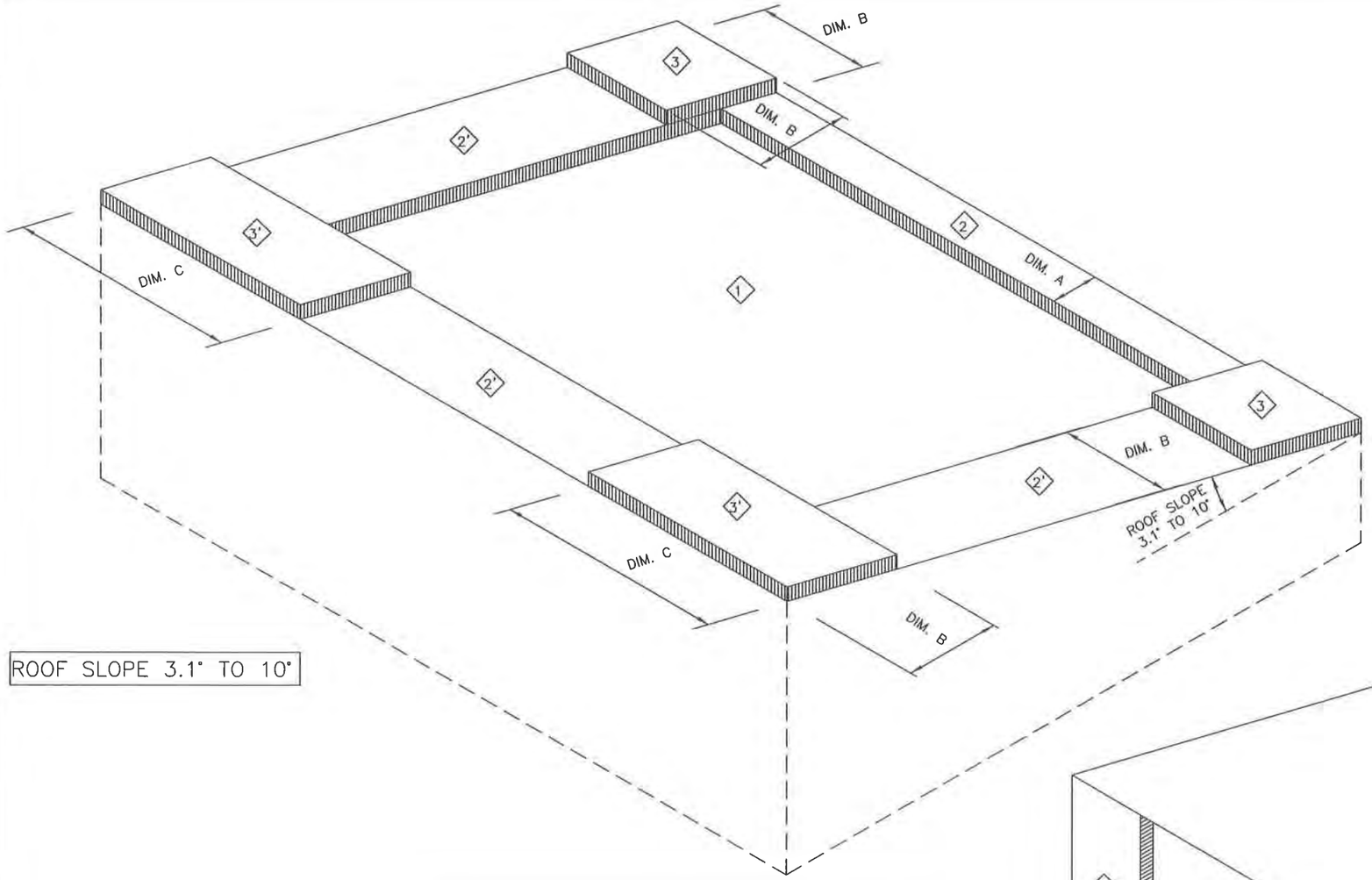
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	MAIN FRAME ELEVATION		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	5

WIND LOADING PRESSURES CHART (AREA <= 10 SQ.FT. FOR PANELS)	PRESSURE	SUCTION
ZONE 1 (ROOF INTERIOR)	21	-42
ZONE 2 (ROOF EDGE)	21	-47
ZONE 2' (ROOF EDGE)	21	-54
ZONE 3 (ROOF CORNER)	21	-59
ZONE 3' (ROOF CORNER)	21	-80
ZONE 4 (WALL INTERIOR)	37	-39
ZONE 5 (WALL EDGE)	37	-46
WALL ACCESSORIES		
> 10 SQFT (ZONE 4)	37	-39
>100 SQFT (ZONE 4)	33	-35
> 10 SQFT (ZONE 5)	37	-46
>100 SQFT (ZONE 5)	33	-37

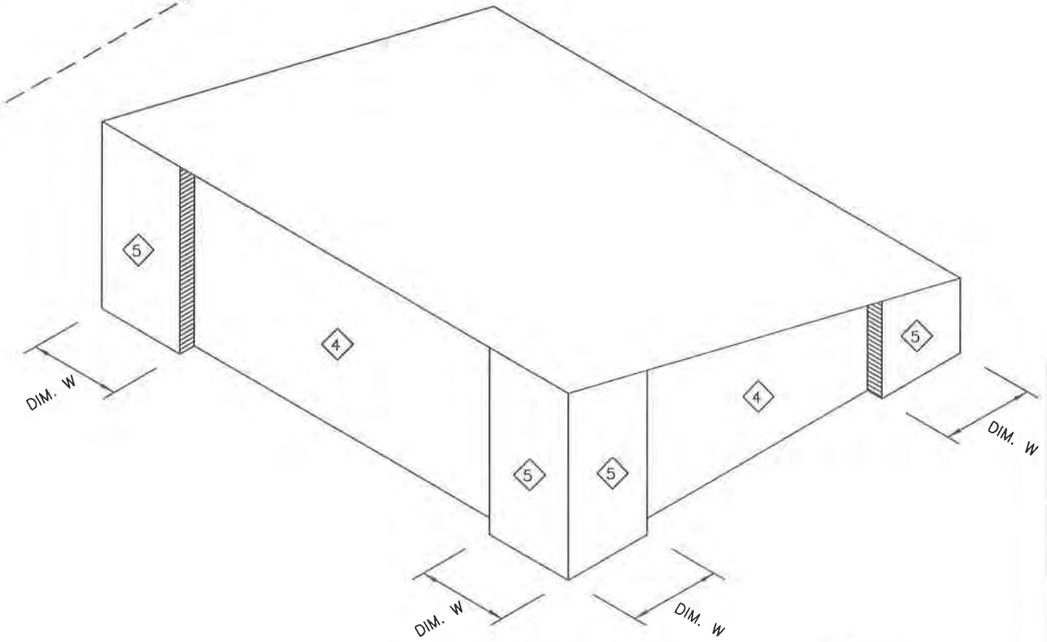
NOTE :
PRESSURES SHOWN ARE BASED ON Vult AND APPLICABLE INTERNAL COEFFICIENTS FOR THE ENCLOSURE CLASSIFICATION AND EXPOSURE CATEGORY. SEE COVER PAGE FOR APPLICABLE VALUES. FOR ALLOWABLE STRENGTH DESIGN PRESSURES, Vasd, MULTIPLY THE SHOWN VALUES BY 0.6.



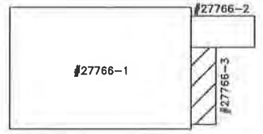
ROOF SLOPE 3.1° TO 10°

ROOF WIND ZONE & FASTENER DETAIL PLAN
ENCLOSED / PARTIALLY ENCLOSED

ROOF & WALL PANELS ARE BY OTHERS



WALL WIND ZONE & FASTENER DETAIL PLAN



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

REVISIONS						
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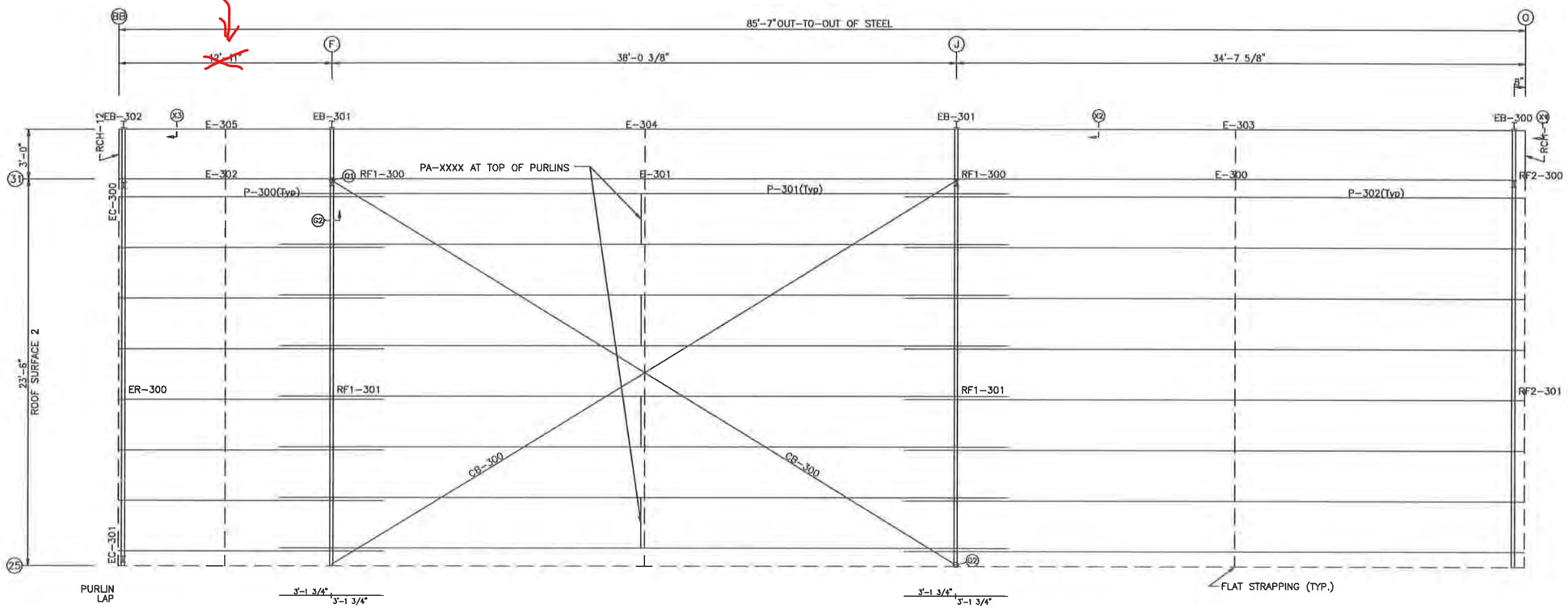
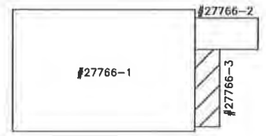
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	FASTENER DETAILS		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	6

This dimension will change to 13'-7"

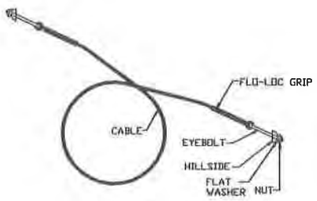


ROOF FRAMING PLAN



KEY PLAN

NOTE: ROOF SHEETING BY OTHERS



BRACE CABLE ASSEMBLY
CABLE HARDWARE FACTORY ATTACHED
SYMMETRICAL AT BOTH ENDS

EXTENSION/CANOPY BOLTS ROOF PLAN				
MARK	QUAN	TYPE	DIA	LENGTH
EB-300	4	A325	5/8"	2 1/4"
EB-301	4	A325	5/8"	2 1/4"
EB-302	4	A325	5/8"	2 1/4"

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
EB-300	W12X14	3'-8 5/8"
EB-301	W12X14	3'-8 5/8"
EB-302	W12X14	3'-8 5/8"
P-300	12X35Z12	16'-0 1/2"
P-301	12X35Z12	44'-3 7/8"
P-302	12X35Z12	37'-9 1/8"
E-300	12E275D12	33'-4 1/8"
E-301	12E275D12	37'-4 7/8"
E-302	12E275D14	11'-11 1/2"
E-303	12X35C14	34'-7 1/8"
E-304	12X35C12	37'-11 7/8"
E-305	12X35C14	12'-10 1/2"
CB-300	0.250CBL	44'-6"

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

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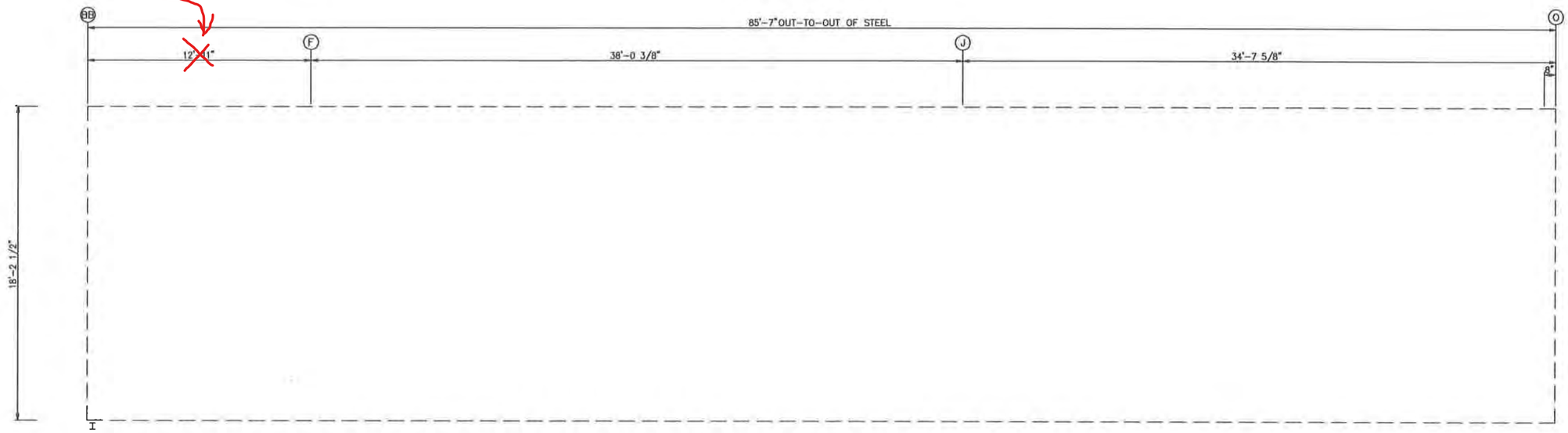
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ROOF FRAMING		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	7

This dimension will change to 13'-7"



SIDEWALL FRAMING: FRAME LINE 25

SIDEWALL SHEETING & TRIM: FRAME LINE 25

KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

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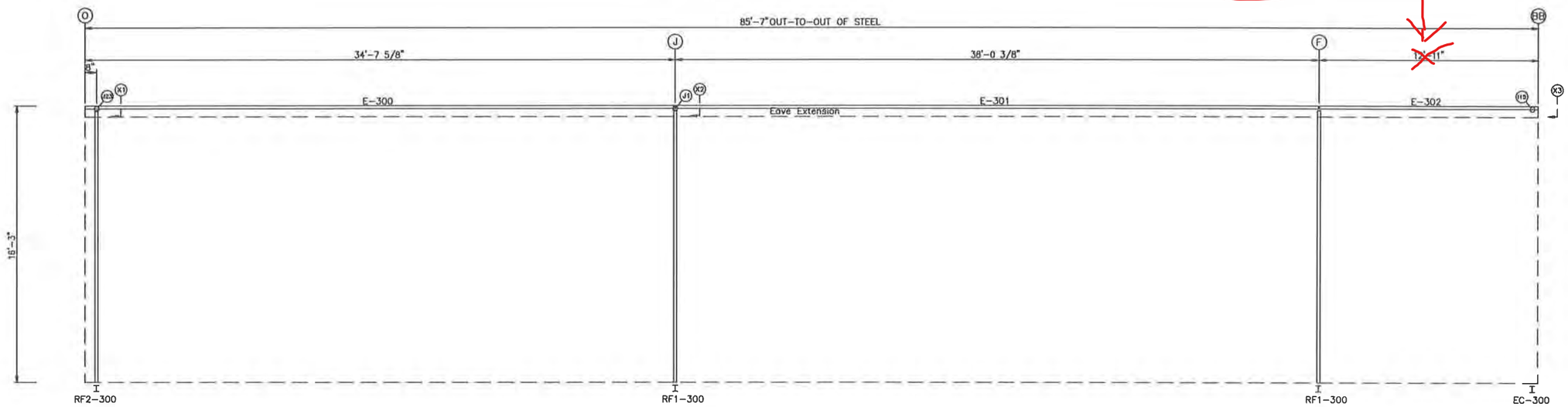
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	SIDEWALL FRAMING		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	8

This dimension will change to 13'-7"

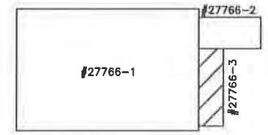
TRIM TABLE FRAME LINE 31			
◇ID	PART	LENGTH	DETAIL
1	SET	10'-9"	TM12
2	SET	4"	TM12

MEMBER TABLE FRAME LINE 31		
MARK	PART	LENGTH
E-300	12E275D12	33'-4 1/8"
E-301	12E275D12	37'-4 7/8"
E-302	12E275D14	11'-11 1/2"



SIDEWALL FRAMING: FRAME LINE 31

SIDEWALL SHEETING & TRIM: FRAME LINE 31



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

GENERAL NOTES:

(1.) IF CABLE BRACING, WIND BENTS, WIND COLUMNS, OR WEAK AXIS DESIGN OF SIDE WALL COLUMNS WERE NOT PROVIDED IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

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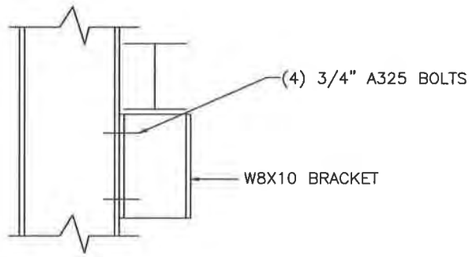
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	SIDEWALL FRAMING		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	9

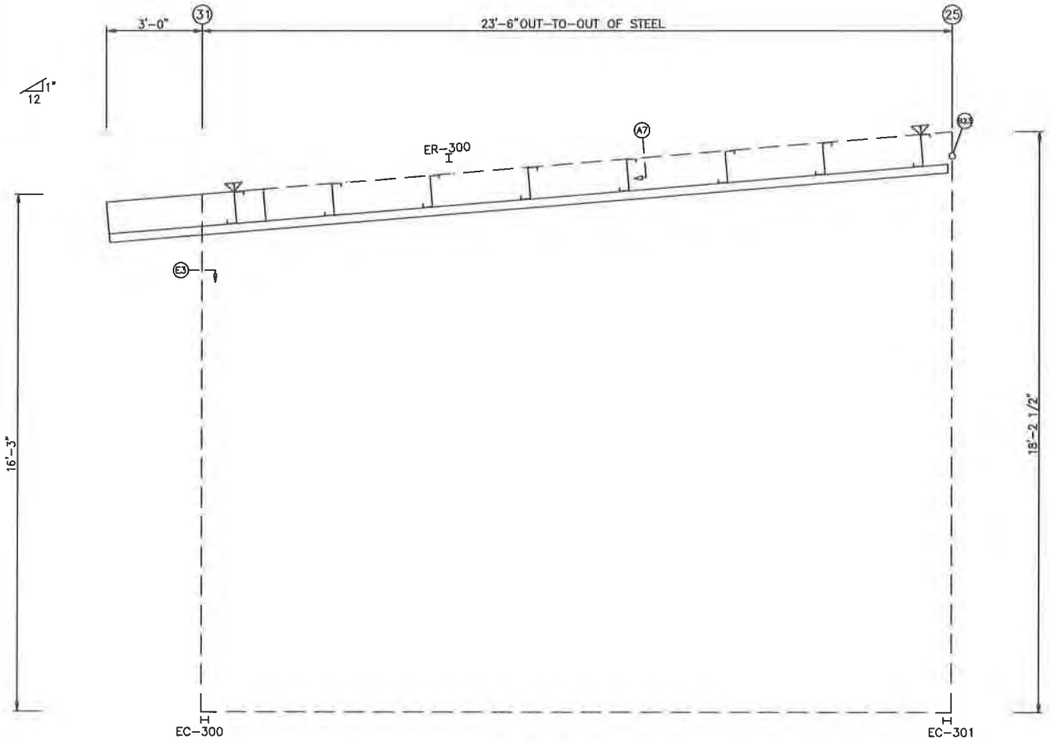
RAFTER WILL ATTACH TO 27766-2 COLUMNS



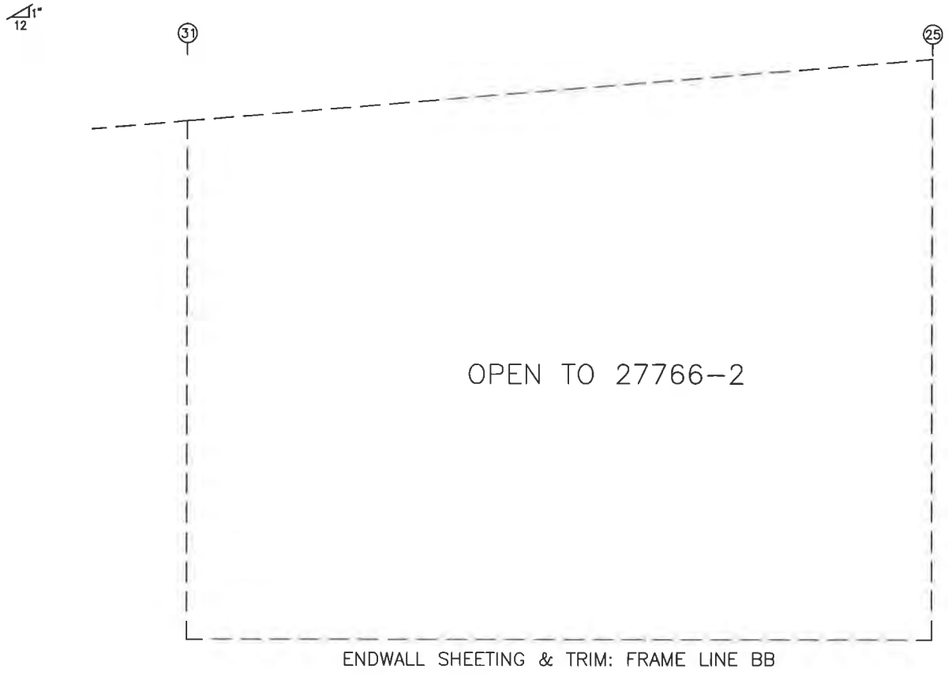
BOLT TABLE FRAME LINE BB				
LOCATION	QUAN	TYPE	DIA	LENGTH
Cor_Column/Raf	4	A325T	5/8"	2 1/4"
ER-300/EB-302	4	A325T	5/8"	2 1/4"

FLANGE BRACE TABLE FRAME LINE BB				
▽ID	# SIDES	MARK	LENGTH	OFFSET
1	1	FB39.5	3'-3 1/2"	2'-8"

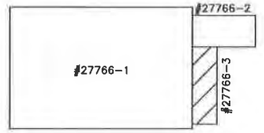
MEMBER TABLE FRAME LINE BB		
MARK	PART	LENGTH
EC-300	W8X10	2'-3 5/8"
EC-301	W8X10	4'-2 7/16"
ER-300	W10X12	TBD



ENDWALL FRAMING: FRAME LINE BB



ENDWALL SHEETING & TRIM: FRAME LINE BB



KEY PLAN

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
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SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

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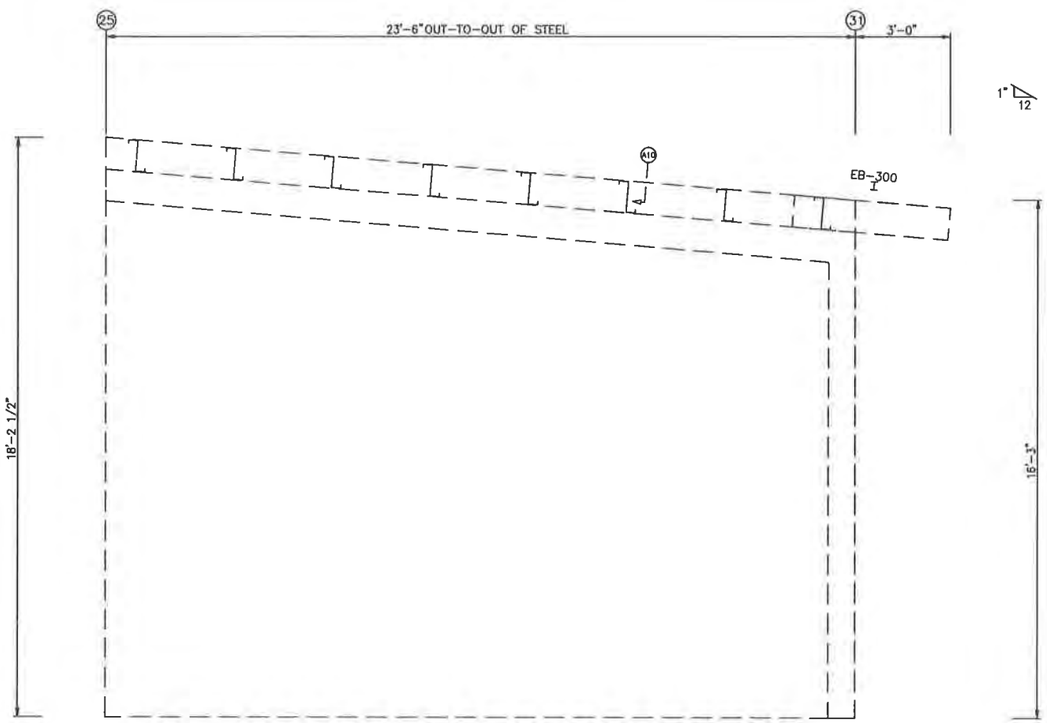
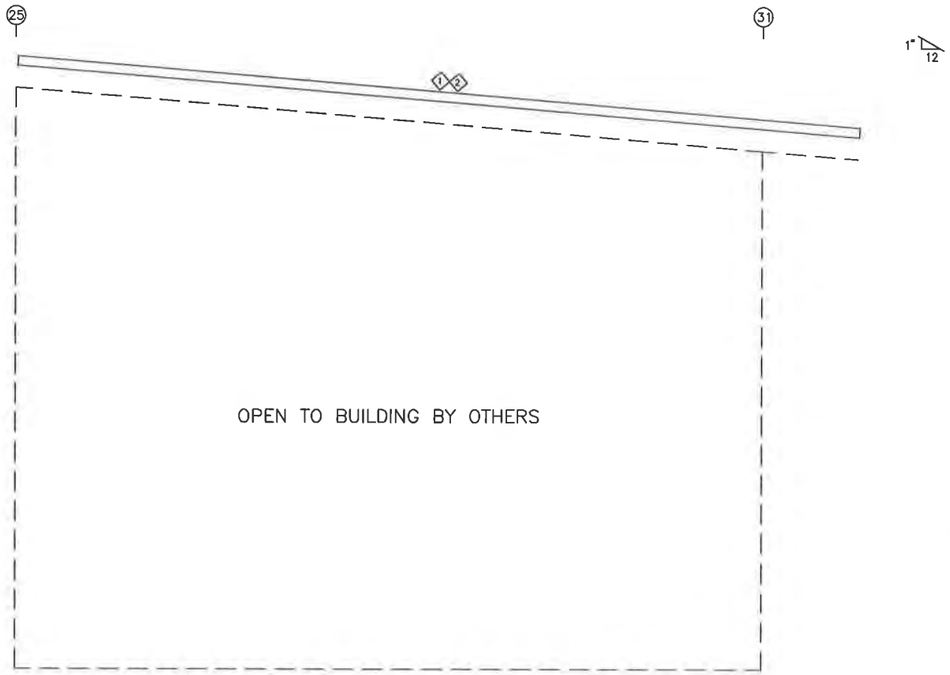
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ENDWALL FRAMING		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	10

TRIM TABLE FRAME LINE O			
◇ID	PART	LENGTH	DETAIL
1	RVRT	20'-3"	TM11
2	RVRT	3'-10"	TM11

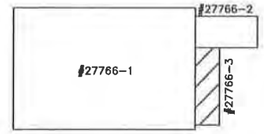
MEMBER TABLE FRAME LINE O		
MARK	PART	LENGTH
EB-300	W12X14	3'-8 5/8"



ENDWALL FRAMING: FRAME LINE O



ENDWALL SHEETING & TRIM: FRAME LINE O



KEY PLAN

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/12/22

GENERAL NOTES:

(1.) IF CABLE BRACING FOR END WALL IS NOT SHOWN ON ERECTION DRAWINGS IT HAS BEEN DETERMINED THAT DIAPHRAGM PANEL ACTION OR QUARTER-PANEL BRACING IS SUFFICIENT TO RESIST IN-PLANE WIND FORCES. TEMPORARY BRACING SHOULD BE PROVIDED BY ERECTOR UNTIL ALL WALL AND ROOF PANELS ARE INSTALLED.
(2.) ADDITIONAL GIRTS MAY BE PRESENT IN THE END OR CORNER BAYS OF THIS WALL ELEVATION. THESE ARE REQUIRED TO SATISFY CODE-DEFINED CORNER ZONE WIND PRESSURES IN ORDER TO PROVIDE THE MOST ECONOMICAL BUILDING POSSIBLE, THESE GIRTS ARE NOT INCLUDED FOR THE FULL LENGTH OF THE WALL. NON-UNIFORM GIRT SPACING OR RESULTING APPEARANCE IS NOT A CAUSE FOR COMPLAINT OR REJECTION.

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

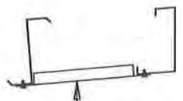
VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	ENDWALL FRAMING		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	11

SCREW DOWN ROOF PANELS
UPLIFT STRAPS BOTTOM FLANGE ONLY

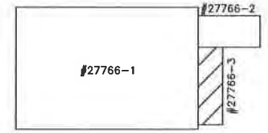
- REFER TO ROOF FRAMING PLAN FOR QUANTITY AND LOCATION OF STRAPPING.
- USE FLAT STRAP WITH ANGLE AT 1st EAVE SPACE AND RIDGE.
- INTERMEDIATE ANGLES TO BE ADDED AS NECESSARY PER SECTION 'A'

NOTE TO ERECTOR:
FOR ALL 2"x26GA. STRAPPING
WASH COAT TO INSIDE OF BUILDING

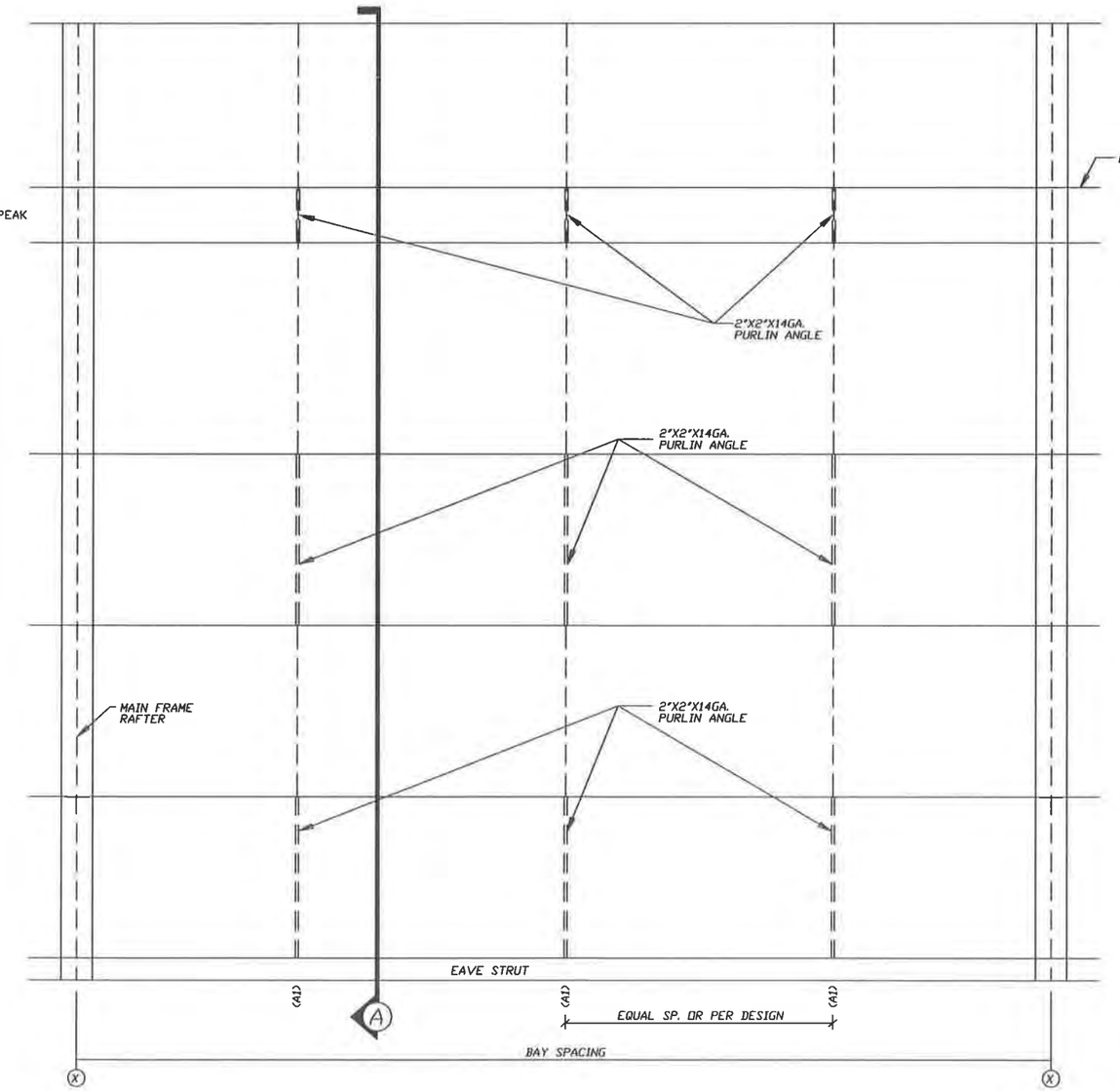
ANGLES			
QTY. X	MARK RAT-X	LENGTH 00'00-00"	
QTY. X	MARK PA-000000	LENGTH 00'00-00"	
QTY. X	MARK PA-000000	LENGTH 00'00-00"	



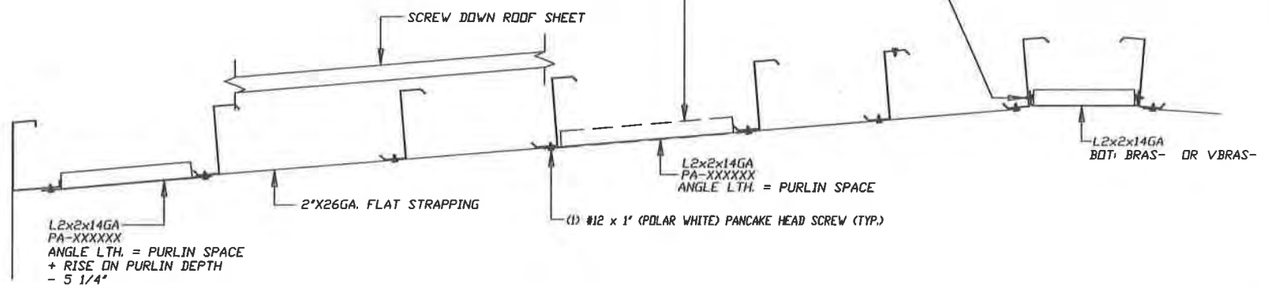
SINGLE SLOPE ONLY



KEY PLAN



ADD INTERMEDIATE SUPPORT ANGLES TOP AND BOTTOM SPACED EQUAL DISTANCES ALONG SLOPE NOT TO EXCEED 50'



(A) PURLIN STRAPPING DETAIL (TYP. @ LINE A1)

SEE ROOF PLAN FOR QUANTITY AND LOCATION
BUILDER NOTE: KEEP ANGLES BELOW ROOF LINE.
FIELD BEND TABS & ATTACH WITH #12 SCREWS

* NOTE: THIS DRAWING IS FOR EXAMPLE ONLY.
SEE ROOF FRAMING PLAN FOR ACTUAL STRAP LOCATION

SEAL

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

ROOF STRAPPING "B"

REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[ ] FOR CONSTRUCTION
[X] FOR PERMIT ONLY
NOT FINAL CONST.DWGS
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

VULCAN STEEL STRUCTURES, INC		BEAR BROTHERS		
PROJECT	NEW BASE SUPPLY ANNEX	FASTENER DETAILS		
ID	27766-3	DESIGN: ZJM	DRAFT: KVB	CHECK: ZJM
PROJECT ADDRESS	MONTGOMERY, AL 36108	DATE: 10/12/22	SHEET	12

VULCAN STEEL STRUCTURES, INC
500 VULCAN PARKWAY
ADEL, GA 31620

STRUCTURAL DESIGN CALCULATIONS
FOR
BEAR BROTHERS
220 MENDEL PARKWAY
MONTGOMERY, AL 36117

NEW BASE SUPPLY ANNEX
MONTGOMERY, AL 36108

27766-1

BUILDING LAYOUT

Width	(ft)=	125.6
Length	(ft)=	211.3
Eave Height	(ft)=	33.1/ 33.1
Roof Slope	(rise/12)=	1.50/ 1.50

BUILDING LOADS

Roof Dead Load	(psf)=	4.8
Wall Dead Load		
Left Endwall	(psf)=	2.0
Right Endwall	(psf)=	2.0
Front Sidewall	(psf)=	2.0
Back Sidewall	(psf)=	2.0
Live Load	(psf)=	20.0
Collateral Load	(psf)=	10.0
Snow Load	(psf)=	3.5
Minimum Snow	(psf)=	5.0
Wind Speed	(mph)=	116.0
Wind Code	=	IBC 15
Closed/Open	=	C
Exposure	=	C
Internal Wind Coeff	=	-0.18, +0.18
Importance - Wind	=	1.00
Importance - Seismic	=	1.00
Seismic Design Category	=	B
Seismic Coeff (Fa*Ss)	=	0.16

Designer : ZJM
Detailer : XXX

10/14/22

27766-1 Design Loads For Building Components: 10/14/22 2:28pm

FRONT SIDEWALL:

BASIC LOADS:

Basic Wind	Wind_Load_Ratio Deflect	Factor
29.2	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
12.55	0.00	12.55	0.00	1.07	1.23	1.07

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Long	
26.9	-29.6		.. Girt/Header
31.6	-34.2		.. Panel
25.6	-28.2		.. Jamb
0.0	0.0		.. Parapet

BACK SIDEWALL:

BASIC LOADS:

Basic Wind	Wind_Load_Ratio Deflect	Factor
29.2	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
12.55	0.00	12.55	0.00	1.07	1.23	1.07

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Long	
26.9	-29.6		.. Girt/Header
31.6	-34.2		.. Panel
25.6	-28.2		.. Jamb
0.0	0.0		.. Parapet

LEFT ENDWALL:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Factor
4.8	10.0	20.0	3.5	0.0	29.2	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
12.55	0.00	12.55	0.00	1.07	1.23	1.07

BASIC LOADS AT EAVE:

Seis Dead	Seis Girt	Seis Load	---Torsion--- Wind	Seismic

2.00 0.00 0.00 0.00 0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	
25.5	-28.2	.. Column
26.9	-29.6	.. Girt/Header
25.5	-28.2	.. Jamb
31.6	-34.2	.. Panel
55.4	-43.2	.. Parapet
43.8	-29.2	.. Transverse bracing, Facia/Parapet

WIND COEFFICIENTS:

Surf	---Wind_1--		---Wind_2--		-Long_Wind-		Surface
Id	Left	Right	Left	Right	1	2	Friction
1	0.46	-0.64	0.82	-0.28	-0.66	-0.66	0.00
2	-1.25	-0.73	-0.89	-0.37	-1.25	-0.71	0.00
3	-0.73	-1.25	-0.37	-0.89	-0.71	-1.25	0.00
4	-0.64	0.46	-0.28	0.82	-0.66	-0.66	0.00

COLUMN, RAFTER & BRACING DESIGN LOADS:

Load			---Live---			--Add_Snow-			Wind_1		Wind_2		Long_Wind		Column_Wind		Long	Tran	Aux_Load	
No.	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Left	Right	Left	Right	1	2	Press	Suct	Seis	Seis	Id	Coef
90	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	6	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0	0.00
	8	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00	0	0.00
	9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0.00	0.00	0	0.00
	10	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0	0.00
	11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	15	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
	16	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
	17	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00	0	0.00
	18	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.00	0	0.00
	19	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0	0.00
	20	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00
	21	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
	22	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
	23	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00	0	0.00
	24	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.00	0	0.00
	25	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0	0.00
	26	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00
	27	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0.00	0	0.00
	28	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00	0	0.00
	29	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0.00	0.00	0	0.00
	30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0	0.00
	31	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	32	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	33	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	34	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	35	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
	36	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
	37	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
	38	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	0	0.00
	39	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
	40	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
	41	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.00
	42	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	43	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	1	0.75

44	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	1	0.75
45	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00	1	0.75
46	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.00	1	0.75
47	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	1	0.75
48	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	1	0.75
49	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.00
50	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	1.00
51	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0	0.00
52	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0.00	0	0.00
53	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0	0.00
54	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	0.00	0	0.00
55	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0	0.00
56	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0.00	0	0.00
57	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
58	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
59	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
60	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
61	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
62	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
63	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
64	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
65	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
66	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
68	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
69	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
70	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
71	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
72	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
73	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
74	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
75	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
76	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
77	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
78	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
79	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
80	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
81	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
82	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
83	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
84	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
85	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	1	0.75
86	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	1	0.75
87	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
88	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
89	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0	0.00
90	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Add_Load Coeff
3	1	MIN_SNOW	2	1	1.00
				2	1.00
	2	E1UNB_SL_L	3	3	0.30
				4	1.00
				5	2.76
	3	E1UNB_SL_R	3	4	0.30
				3	1.00
				6	2.76

ADDITIONAL LOADS:

No. Add	Add Id	Loc Id	Basic Load	Load Type	Fx W1	Fy W2	Mom Co	X Dl1	Y Dl2	.. Conc .. Dist
134	1	2	U_SNOW	D	-0.08	-0.08	0.12	0.00	63.28	
	2	3	U_SNOW	D	-0.08	-0.08	-0.12	0.00	63.28	
	3	3	U_SNOW	D	-0.06	-0.06	-0.12	0.00	63.28	

4	2	U_SNOW	D	-0.06	-0.06	0.12	0.00	63.28
5	2	U_SNOW	D	-0.06	-0.06	0.12	49.23	63.28
6	3	U_SNOW	D	-0.06	-0.06	-0.12	0.00	14.05
7	7	DEAD	I	0.00	0.01	0.00	0.00	19.08
8	7	COLLAT	I	0.00	0.02	0.00	0.00	19.08
9	7	LIVE	I	0.00	0.04	0.00	0.00	19.08
10	7	WINDR1	I	0.00	-0.24	0.00	0.00	19.08
11	7	WINDL1	I	0.00	-0.10	0.00	0.00	19.08
12	7	WINDR2	I	0.00	-0.36	0.00	0.00	19.08
13	7	WINDL2	I	0.00	-0.23	0.00	0.00	19.08
14	7	DRIFT	I	0.00	0.05	0.00	0.00	19.08
15	7	LWIND1	I	0.00	0.05	0.00	0.00	19.08
16	7	LWIND2	I	0.00	0.20	0.00	0.00	19.08
17	7	SEISL	I	0.00	-0.21	0.00	0.00	19.08
18	6	DEAD	I	0.00	-1.26	0.00	0.00	20.40
19	6	COLLAT	I	0.00	-1.86	0.00	0.00	20.40
20	6	LIVE	I	0.00	-3.69	0.00	0.00	20.40
21	6	SNOW	I	0.00	-0.64	0.00	0.00	20.40
22	6	WINDR1	I	0.00	5.72	0.00	0.00	20.40
23	3	WINDR1	C	-0.40	0.00	0.00	44.33	-6.38
24	6	WINDL1	I	0.00	3.40	0.00	0.00	20.40
25	3	WINDL1	C	0.40	0.00	0.00	44.33	-6.38
26	6	WINDR2	I	0.00	3.94	0.00	0.00	20.40
27	3	WINDR2	C	-0.39	0.00	0.00	44.33	-6.38
28	6	WINDL2	I	0.00	1.63	0.00	0.00	20.40
29	3	WINDL2	C	0.39	0.00	0.00	44.33	-6.38
30	6	DRIFT	I	0.00	-4.93	0.00	0.00	20.40
31	6	LWIND1	I	0.00	5.72	0.00	0.00	20.40
32	3	LWIND1	C	0.16	0.00	0.00	44.33	-6.38
33	6	LWIND2	I	0.00	3.30	0.00	0.00	20.40
34	3	LWIND2	C	-0.16	0.00	0.00	44.33	-6.38
35	6	SEISR	I	0.00	-0.03	0.00	0.00	20.40
36	3	SEISR	C	-0.27	0.00	0.00	44.33	-6.38
37	6	SEISL	I	0.00	0.03	0.00	0.00	20.40
38	3	SEISL	C	0.27	0.00	0.00	44.33	-6.38
39	5	DEAD	I	0.00	-1.69	0.00	0.00	23.44
40	5	COLLAT	I	0.00	-2.49	0.00	0.00	23.44
41	5	LIVE	I	0.00	-4.95	0.00	0.00	23.44
42	5	SNOW	I	0.00	-0.87	0.00	0.00	23.44
43	5	WINDR1	I	0.00	7.25	0.00	0.00	23.44
44	3	WINDR1	C	-0.50	0.00	0.00	20.00	-3.34
45	5	WINDL1	I	0.00	4.57	0.00	0.00	23.44
46	3	WINDL1	C	0.50	0.00	0.00	20.00	-3.34
47	5	WINDR2	I	0.00	4.87	0.00	0.00	23.44
48	3	WINDR2	C	-0.50	0.00	0.00	20.00	-3.34
49	5	WINDL2	I	0.00	2.18	0.00	0.00	23.44
50	3	WINDL2	C	0.50	0.00	0.00	20.00	-3.34
51	5	DRIFT	I	0.00	-6.63	0.00	0.00	23.44
52	5	LWIND1	I	0.00	7.68	0.00	0.00	23.44
53	3	LWIND1	C	0.20	0.00	0.00	20.00	-3.34
54	5	LWIND2	I	0.00	4.43	0.00	0.00	23.44
55	3	LWIND2	C	-0.20	0.00	0.00	20.00	-3.34
56	5	SEISR	I	0.00	-0.04	0.00	0.00	23.44
57	3	SEISR	C	-0.34	0.00	0.00	20.00	-3.34
58	5	SEISL	I	0.00	0.04	0.00	0.00	23.44
59	3	SEISL	C	0.34	0.00	0.00	20.00	-3.34
60	4	DEAD	I	0.00	-1.53	0.00	0.00	25.94
61	4	COLLAT	I	0.00	-2.27	0.00	0.00	25.94
62	4	LIVE	I	0.00	-4.50	0.00	0.00	25.94
63	4	SNOW	I	0.00	-0.79	0.00	0.00	25.94
64	4	WINDR1	I	0.00	4.99	0.00	0.00	25.94
65	3	WINDR1	C	-0.45	0.00	0.00	0.00	-0.84
66	4	WINDL1	I	0.00	4.68	0.00	0.00	25.94
67	3	WINDL1	C	0.45	0.00	0.00	0.00	-0.84
68	4	WINDR2	I	0.00	3.30	0.00	0.00	25.94
69	3	WINDR2	C	-0.45	0.00	0.00	0.00	-0.84

70	4	WINDL2	I	0.00	2.99	0.00	0.00	25.94
71	3	WINDL2	C	0.45	0.00	0.00	0.00	-0.84
72	4	DRIFT	I	0.00	-6.02	0.00	0.00	25.94
73	4	LWIND1	I	0.00	4.69	0.00	0.00	25.94
74	3	LWIND1	C	0.18	0.00	0.00	0.00	-0.84
75	4	LWIND2	I	0.00	4.69	0.00	0.00	25.94
76	3	LWIND2	C	-0.18	0.00	0.00	0.00	-0.84
77	4	SEISR	I	0.00	0.21	0.00	0.00	25.94
78	3	SEISR	C	-0.31	0.00	0.00	0.00	-0.84
79	4	SEISL	I	0.00	0.21	0.00	0.00	25.94
80	3	SEISL	C	0.31	0.00	0.00	0.00	-0.84
81	3	DEAD	I	0.00	-1.47	0.00	0.00	23.44
82	3	COLLAT	I	0.00	-2.17	0.00	0.00	23.44
83	3	LIVE	I	0.00	-4.32	0.00	0.00	23.44
84	3	SNOW	I	0.00	-0.75	0.00	0.00	23.44
85	3	WINDR1	I	0.00	3.98	0.00	0.00	23.44
86	2	WINDR1	C	-0.44	0.00	0.00	42.79	4.51
87	3	WINDL1	I	0.00	6.59	0.00	0.00	23.44
88	2	WINDL1	C	0.44	0.00	0.00	42.79	4.51
89	3	WINDR2	I	0.00	1.90	0.00	0.00	23.44
90	2	WINDR2	C	-0.43	0.00	0.00	42.79	4.51
91	3	WINDL2	I	0.00	4.52	0.00	0.00	23.44
92	2	WINDL2	C	0.43	0.00	0.00	42.79	4.51
93	3	DRIFT	I	0.00	-5.78	0.00	0.00	23.44
94	3	LWIND1	I	0.00	3.87	0.00	0.00	23.44
95	2	LWIND1	C	0.17	0.00	0.00	42.79	4.51
96	3	LWIND2	I	0.00	6.69	0.00	0.00	23.44
97	2	LWIND2	C	-0.17	0.00	0.00	42.79	4.51
98	3	SEISR	I	0.00	0.04	0.00	0.00	23.44
99	2	SEISR	C	-0.30	0.00	0.00	42.79	4.51
100	3	SEISL	I	0.00	-0.04	0.00	0.00	23.44
101	2	SEISL	C	0.30	0.00	0.00	42.79	4.51
102	2	DEAD	I	0.00	-1.21	0.00	0.00	21.10
103	2	COLLAT	I	0.00	-1.79	0.00	0.00	21.10
104	2	LIVE	I	0.00	-3.55	0.00	0.00	21.10
105	2	SNOW	I	0.00	-0.62	0.00	0.00	21.10
106	2	WINDR1	I	0.00	3.28	0.00	0.00	21.10
107	2	WINDR1	C	-0.40	0.00	0.00	24.13	2.18
108	2	WINDL1	I	0.00	5.51	0.00	0.00	21.10
109	2	WINDL1	C	0.40	0.00	0.00	24.13	2.18
110	2	WINDR2	I	0.00	1.57	0.00	0.00	21.10
111	2	WINDR2	C	-0.39	0.00	0.00	24.13	2.18
112	2	WINDL2	I	0.00	3.80	0.00	0.00	21.10
113	2	WINDL2	C	0.39	0.00	0.00	24.13	2.18
114	2	DRIFT	I	0.00	-4.76	0.00	0.00	21.10
115	2	LWIND1	I	0.00	3.18	0.00	0.00	21.10
116	2	LWIND1	C	0.16	0.00	0.00	24.13	2.18
117	2	LWIND2	I	0.00	5.51	0.00	0.00	21.10
118	2	LWIND2	C	-0.16	0.00	0.00	24.13	2.18
119	2	SEISR	I	0.00	0.03	0.00	0.00	21.10
120	2	SEISR	C	-0.27	0.00	0.00	24.13	2.18
121	2	SEISL	I	0.00	-0.03	0.00	0.00	21.10
122	2	SEISL	C	0.27	0.00	0.00	24.13	2.18
123	1	DEAD	I	0.00	0.13	0.00	0.00	19.08
124	1	COLLAT	I	0.00	0.19	0.00	0.00	19.08
125	1	LIVE	I	0.00	0.39	0.00	0.00	19.08
126	1	SNOW	I	0.00	0.07	0.00	0.00	19.08
127	1	WINDR1	I	0.00	-0.42	0.00	0.00	19.08
128	1	WINDL1	I	0.00	-0.77	0.00	0.00	19.08
129	1	WINDR2	I	0.00	-0.38	0.00	0.00	19.08
130	1	WINDL2	I	0.00	-0.73	0.00	0.00	19.08
131	1	DRIFT	I	0.00	0.51	0.00	0.00	19.08
132	1	LWIND1	I	0.00	-0.11	0.00	0.00	19.08
133	1	LWIND2	I	0.00	-0.48	0.00	0.00	19.08
134	1	SEISR	I	0.00	-0.21	0.00	0.00	19.08

STEPPED LOAD COEFFICIENTS:

No.	Basic Load	Location Use	Id	No. Step	Locate	Coef	Locate	Coef	Locate	Coef
	WINDL1	-	2	2	62.79	1.00	63.28	0.59		
	WINDR1	-	3	2	0.49	0.59	63.28	1.00		
	WINDL2	-	2	2	62.79	1.00	63.28	0.42		
	WINDR2	-	3	2	0.49	0.42	63.28	1.00		

RIGHT ENDWALL:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Factor
4.8	10.0	20.0	3.5	0.0	29.2	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
12.55	0.00	12.55	0.00	1.07	1.23	1.07

BASIC LOADS AT EAVE:

Seis Dead	Seis Girt	Seis Load	---Torsion--- Wind	Seismic
2.00	0.00	0.00	0.00	0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	
25.5	-28.2	.. Column
26.9	-29.6	.. Girt/Header
25.5	-28.2	.. Jamb
31.6	-34.2	.. Panel
55.4	-43.2	.. Parapet
43.8	-29.2	.. Transverse bracing, Facia/Parapet

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	-Long_Wind- 1	2	Surface Friction
1	0.45	-0.64	0.81	-0.28	-0.66	-0.66	0.00
2	-1.25	-0.73	-0.89	-0.37	-1.25	-0.71	0.00
3	-0.73	-1.25	-0.37	-0.89	-0.71	-1.25	0.00
4	-0.64	0.45	-0.28	0.81	-0.66	-0.66	0.00

COLUMN, RAFTER & BRACING DESIGN LOADS:

Load No.	Id	Dead	Coll	---Live--- Roof	Floor	Snow	--Add_Snow- Drift	Slide	Rain	Wind_1 Left	Right	Wind_2 Left	Right	Long_Wind 1	2	Column_Wind Press	Suct	Long Seis	Tran Seis	Aux_Load Id	Coef
90	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	6	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0.00	0	0.00
	8	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00	0	0.00
	9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0.00	0.00	0	0.00
	10	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0	0.00
	11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	15	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
	16	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
	17	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00
	18	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0	0.00

19	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0	0.00
20	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00
21	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
22	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
23	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00	0	0.00
24	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.00	0	0.00
25	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0	0.00
26	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00
27	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0.00	0	0.00
28	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00	0	0.00
29	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0.00	0.00	0	0.00
30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0	0.00
31	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
32	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
33	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
34	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
35	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
36	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
37	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
38	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	0	0.00
39	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
40	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
41	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.00
42	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
43	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	1	0.75
44	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	1	0.75
45	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00	1	0.75
46	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.00	1	0.75
47	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	1	0.75
48	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	1	0.75
49	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.00
50	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	1.00
51	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0	0.00
52	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0.00	0	0.00
53	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0	0.00
54	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	0.00	0	0.00
55	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0	0.00
56	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0.00	0	0.00
57	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
58	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
59	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
60	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
61	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
62	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
63	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
64	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
65	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
66	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
68	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
69	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
70	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
71	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
72	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
73	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
74	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
75	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
76	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
77	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
78	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
79	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
80	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
81	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
82	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
83	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
84	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75

85	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	1	0.75
86	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	1	0.75
87	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
88	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
89	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0	0.00
90	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Coeff
3	1	MIN_SNOW	2	1	1.00
				2	1.00
	2	E2UNB_SL_L	3	3	0.30
				4	1.00
				5	2.76
	3	E2UNB_SL_R	3	4	0.30
				3	1.00
				6	2.76

ADDITIONAL LOADS:

No. Add	Add Id	Loc Id	Basic Load	Load Type	Fx W1	Fy W2	Mom Co	X Dl1	Y Dl2	.. Conc .. Dist
32	1	2	U_SNOW	D	-0.09	-0.09	0.12	0.00	63.28	
	2	3	U_SNOW	D	-0.09	-0.09	-0.12	0.00	63.28	
	3	3	U_SNOW	D	-0.06	-0.06	-0.12	0.00	63.28	
	4	2	U_SNOW	D	-0.06	-0.06	0.12	0.00	63.28	
	5	2	U_SNOW	D	-0.06	-0.06	0.12	49.23	63.28	
	6	3	U_SNOW	D	-0.06	-0.06	-0.12	0.00	14.05	
	7	3	DEAD	I	-0.02	-2.23	0.00	0.00	18.21	
	8	5	DEAD	I	-0.02	-2.23	0.00	0.00	18.21	
	9	3	COLLAT	I	0.10	-4.14	0.00	0.00	18.21	
	10	5	COLLAT	I	0.10	-4.14	0.00	0.00	18.21	
	11	3	LIVE	I	-0.09	-8.28	0.00	0.00	18.21	
	12	5	LIVE	I	-0.09	-8.28	0.00	0.00	18.21	
	13	3	SNOW	I	-0.02	-1.45	0.00	0.00	18.21	
	14	5	SNOW	I	-0.02	-1.45	0.00	0.00	18.21	
	15	3	LWIND1	I	0.00	12.75	0.00	0.00	18.21	
	16	3	WINDP	I	7.62	12.75	0.00	0.00	18.21	
	17	5	LWIND1	I	0.00	12.75	0.00	0.00	18.21	
	18	5	WINDP	I	7.62	12.75	0.00	0.00	18.21	
	19	3	LWIND2	I	0.00	2.11	0.00	0.00	18.21	
	20	3	WINDS	I	-8.68	8.95	0.00	0.00	18.21	
	21	5	LWIND2	I	0.00	2.11	0.00	0.00	18.21	
	22	5	WINDS	I	-8.68	8.95	0.00	0.00	18.21	
	23	3	WINDL1	I	0.00	12.20	0.00	0.00	18.21	
	24	3	WINDL2	I	0.00	12.20	0.00	0.00	18.21	
	25	3	WINDR1	I	0.00	12.20	0.00	0.00	18.21	
	26	3	WINDR2	I	0.00	12.20	0.00	0.00	18.21	
	27	5	WINDL1	I	0.00	12.20	0.00	0.00	18.21	
	28	5	WINDL2	I	0.00	12.20	0.00	0.00	18.21	
	29	5	WINDR1	I	0.00	12.20	0.00	0.00	18.21	
	30	5	WINDR2	I	0.00	12.20	0.00	0.00	18.21	
	31	3	DRIFT	I	0.07	-10.74	0.00	0.00	18.21	
	32	5	DRIFT	I	0.07	-10.74	0.00	0.00	18.21	

STEPPED LOAD COEFFICIENTS:

No.	Basic Load	Location Use	Id	No. Step	Locate	Coef	Locate	Coef	Locate	Coef
	WINDL1	-	2	2	62.79	1.00	63.28	0.59		
	WINDR1	-	3	2	0.49	0.59	63.28	1.00		
	WINDL2	-	2	2	62.79	1.00	63.28	0.42		
	WINDR2	-	3	2	0.49	0.42	63.28	1.00		

ROOFDES:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Surface Factor	Friction	Seis Factor	% Snow
4.8	10.0	20.0	3.5	0.0	29.2	0.43	0.00	0.00	1.000	0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Suct_Roof	
16.0	-28.6		.. Purlins
19.9	-31.6		.. Panels
11.7	-8.5	-20.2	.. Long Bracing, Building
17.8	-12.6		.. Long Bracing, Wall Edge Zone
43.8	-29.2	23.4	.. Long Bracing, Facia/Parapet

EDGE & CORNER ZONE WIND:

Wind Id	Surf Id	No. Zone	Zone Id	Width	Length	--Purlin--- Press	Suct	---Panel--- Press	Suct
1	2	15	1	0.00	0.00	1.00	1.00	1.00	1.00
			3	0.00	9.56	1.00	1.41	1.00	1.73
			4	12.56	0.00	1.00	1.41	1.00	1.73
			5	0.00	9.56	1.00	1.41	1.00	1.73
			6	12.56	0.00	1.00	1.41	1.00	1.73
			7	12.56	9.56	1.00	2.22	1.00	2.57
			8	12.56	9.56	1.00	2.22	1.00	2.57
			9	12.56	9.56	1.00	2.22	1.00	2.57
			10	12.56	9.56	1.00	2.22	1.00	2.57
			16	38.16	3.00	1.00	2.24	1.00	2.04
			17	12.56	3.00	1.00	3.41	1.00	3.43
			18	12.56	3.00	1.00	3.41	1.00	3.43
			19	38.16	3.00	1.00	2.24	1.00	2.04
			20	12.56	3.00	1.00	3.41	1.00	3.43
			21	12.56	3.00	1.00	3.41	1.00	3.43
	3	15	1	0.00	0.00	1.00	1.00	1.00	1.00
			3	0.00	9.56	1.00	1.41	1.00	1.73
			4	12.56	0.00	1.00	1.41	1.00	1.73
			5	0.00	9.56	1.00	1.41	1.00	1.73
			6	12.56	0.00	1.00	1.41	1.00	1.73
			7	12.56	9.56	1.00	2.22	1.00	2.57
			8	12.56	9.56	1.00	2.22	1.00	2.57
			9	12.56	9.56	1.00	2.22	1.00	2.57
			10	12.56	9.56	1.00	2.22	1.00	2.57
			16	38.16	3.00	1.00	2.24	1.00	2.04
			17	12.56	3.00	1.00	3.41	1.00	3.43
			18	12.56	3.00	1.00	3.41	1.00	3.43
			19	38.16	3.00	1.00	2.24	1.00	2.04
			20	12.56	3.00	1.00	3.41	1.00	3.43
			21	12.56	3.00	1.00	3.41	1.00	3.43

EDGE & CORNER ZONE WIND: LONGITUDINAL

Wind Id	Surf Id	No. Zone	Zone Id	Width	Length	Purlin Suct
1	2	1	1	0.00	0.00	1.00
	3	1	1	0.00	0.00	1.00
2	2	1	1	0.00	0.00	1.00
	3	1	1	0.00	0.00	1.00

PURLIN DESIGN LOADS:

Surf Id	--Load- No.	Id	Dead	Coll	Live	--Add_Snow- Snow	Drift	Slide	Rain	Wind Press	Wind Suct	Aux_Load Id	Coef
2	22	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		2	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0.00
		4	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
		5	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0	0.00
		6	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0	0.00
		7	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1	1.00

		8	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	1	0.75
		9	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	4	1.00
		10	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	5	1.00
		11	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	6	1.00
		12	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	7	1.00
		13	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	8	1.00
		14	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	9	1.00
		15	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	10	1.00
		16	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	11	1.00
		17	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	12	1.00
		18	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	2	1.00
		19	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	3	1.00
		20	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	2	-1.00
		21	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	3	-1.00
		22	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	13	1.00
3	22	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		2	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0.00
		4	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
		5	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0	0.00
		6	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0	0.00
		7	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1	1.00
		8	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	1	0.75
		9	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	4	1.00
		10	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	5	1.00
		11	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	6	1.00
		12	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	7	1.00
		13	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	8	1.00
		14	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	9	1.00
		15	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	10	1.00
		16	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	11	1.00
		17	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	12	1.00
		18	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	2	1.00
		19	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	3	1.00
		20	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	2	-1.00
		21	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	3	-1.00
		22	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	13	1.00

BRACING DESIGN LOADS:

--Load-					--Add_Snow-						Aux_Load	
No.	Id	Dead	Coll	Live	Snow	Drift	Slide	Rain	Wind Press	Wind Suct	Seis Load	Id	Coef
16	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
	6	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	7	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
	8	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	9	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0.00
	10	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	11	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
	13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	14	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
	15	1.01	1.01	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
	16	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Add_Load Coef
13	1	MIN_SNOW	2	1	1.00
				2	1.00
	2	PAT_SL_1	1	3	0.50
	3	PAT_SL_2	1	12	0.50
	4	PAT_SL_3	2	3	0.50

			4	0.50
5	PAT_SL_4	2	4	0.50
			5	0.50
6	PAT_SL_5	2	5	0.50
			6	0.50
7	PAT_SL_6	2	6	0.50
			7	0.50
8	PAT_SL_7	2	7	0.50
			8	0.50
9	PAT_SL_8	2	8	0.50
			9	0.50
10	PAT_SL_9	2	9	0.50
			10	0.50
11	PAT_SL10	2	10	0.50
			11	0.50
12	PAT_SL11	2	11	0.50
			12	0.50
13	UNB_SL	4	13	1.00
			14	2.76
			15	1.00
			16	2.76

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Load	Load Type	Fy W1	W2	Dx Dx1	Dx2	.. Conc .. Dist
16	1	2	U_SNOW	D	-5.0	-5.0	0.0	63.3	
	2	3	U_SNOW	D	-5.0	-5.0	0.0	63.3	
	3	0	U_SNOW	D	-3.5	-3.5	0.0	3.0	
	4	0	U_SNOW	D	-3.5	-3.5	3.0	28.4	
	5	0	U_SNOW	D	-3.5	-3.5	28.4	54.7	
	6	0	U_SNOW	D	-3.5	-3.5	54.7	80.9	
	7	0	U_SNOW	D	-3.5	-3.5	80.9	107.7	
	8	0	U_SNOW	D	-3.5	-3.5	107.7	135.9	
	9	0	U_SNOW	D	-3.5	-3.5	135.9	161.2	
	10	0	U_SNOW	D	-3.5	-3.5	161.2	187.4	
	11	0	U_SNOW	D	-3.5	-3.5	187.4	214.3	
	12	0	U_SNOW	D	-3.5	-3.5	214.3	217.3	
	13	2	U_SNOW	D	-3.5	-3.5	0.0	63.3	
	14	2	U_SNOW	D	-3.5	-3.5	49.2	63.3	
	15	3	U_SNOW	D	-3.5	-3.5	0.0	63.3	
	16	3	U_SNOW	D	-3.5	-3.5	0.0	14.1	

RIGID FRAME - 1:

BASIC LOADS:

Dead	Coll	Live	Snow	Rain	Basic Wind	Defl Ratio	Temperature Change
4.8	10.0	20.0	3.5	0.0	29.2	0.43	0

BASIC LOADS AT EAVE:

Seismic --Torsion--		--EW_Brace-	
Load	Wind	Seis	Wind	Seis
0.71	0.00	0.00	0.00	0.00

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	---Wind_3-- Left	Right	---Wind_4-- Left	Right	Long_Wind 1	2	Surface Friction
1	0.46	-0.64	0.82	-0.28	0.00	0.00	0.00	0.00	-0.66	-0.66	0.00
2	-1.25	-0.73	-0.89	-0.37	0.00	0.00	0.00	0.00	-1.25	-0.71	0.00
3	-0.73	-1.25	-0.37	-0.89	0.00	0.00	0.00	0.00	-0.71	-1.25	0.00
4	-0.64	0.46	-0.28	0.82	0.00	0.00	0.00	0.00	-0.66	-0.66	0.00

*(

*----------Load_Coefficients----------

*	---Live---	-Add_Snow-	--Wind_1--	--Wind_2--	--Wind_3--	--Wind_4--	Long_Wind	--Seismic-	Aux_Load

*No.	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Lt	Rt	Lt	Rt	Lt	Rt	Lt	Rt	1	2
	Long	Tran	Temp	Id	Coeff														
92	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	2	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	5	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	6	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	7	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	8	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	9	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	10	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	11	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	12	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	16	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00
0.00	0.00	0.00	0	0.00															
	18	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.00
0.00	0.00	0.00	0	0.00															
	19	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60
0.00	0.00	0.00	0	0.00															
	20	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60
0.00	0.00	0.00	0	0.00															
	21	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	22	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	23	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	24	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	25	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
0.00	0.00	0.00	0	0.00															
	26	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	0.00
0.00	0.00	0.00	0	0.00															
	27	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
0.00	0.00	0.00	0	0.00															
	28	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45
0.00	0.00	0.00	0	0.00															
	29	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	30	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	31	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	32	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															

```
      33  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00    0    0.00
      34  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00    0    0.00
      35  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00    0    0.00
      36  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00    0    0.00
      37  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    0    0.00
      38  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    0    0.00
      39  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    0    0.00
      40  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    0    0.00
      41  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
 0.00  0.00  0.00    0    0.00
      42  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
 0.00  0.00  0.00    0    0.00
      43  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
 0.00  0.00  0.00    0    0.00
      44  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
 0.00  0.00  0.00    0    0.00
      45  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00    0    0.00
      46  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00    0    0.00
      47  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00    0    0.00
      48  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00    0    0.00
      49  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00    0    0.00
      50  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00    0    0.00
      51  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00    0    0.00
      52  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00    0    0.00
      53  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00    0    0.00
      54  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00    0    0.00
      55  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00    0    0.00
      56  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00    0    0.00
      57  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1    1.00
      58  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1    1.00
      59  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1    0.75
      60  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1    0.75
      61  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1    0.75
      62  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1    0.75
      63  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1    0.75
      64  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1    0.75
      65  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00    1    0.75
```

```
      66  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00   1   0.75
      67  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00   1   0.75
      68  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   1   0.75
      69  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   1.00
      70  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   1.00
      71  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      72  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      73  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      74  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      75  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      76  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      77  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   2   0.75
      78  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   2   0.75
      79  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   2   0.75
      80  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   2   0.75
      81  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   1.00
      82  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   1.00
      83  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      84  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      85  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      86  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      87  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      88  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      89  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   3   0.75
      90  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   3   0.75
      91  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   3   0.75
      92  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   3   0.75

AUXILIARY LOADS:
  No.  Aux  Aux         No.      Add_Load
  Aux   Id  Name        Load     Id   Coeff
   3     1  MIN_SNOW     2       1    1.00
                                  2    1.00
         2  F1UNB_SL_L   3       3    0.30
                                  4    1.00
                                  5    2.76
         3  F1UNB_SL_R   3       4    0.30
                                  3    1.00
                                  6    2.76
```

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Type	Load Type	Fx W1	Fy W2	Mom Co	Dx Dl1	Dy Dl2	.. Conc .. Dist
134	1	2	U_SNOW	D	-0.08	-0.08	0.125	0.00	63.28	
	2	3	U_SNOW	D	-0.08	-0.08	-0.125	0.00	63.28	
	3	3	U_SNOW	D	-0.06	-0.06	-0.125	0.00	63.28	
	4	2	U_SNOW	D	-0.06	-0.06	0.125	0.00	63.28	
	5	2	U_SNOW	D	-0.06	-0.06	0.125	49.23	63.28	
	6	3	U_SNOW	D	-0.06	-0.06	-0.125	0.00	14.05	
	7	4	DEAD	C	0.00	0.01	0.00	0.00	-33.92	
	8	4	COLLAT	C	0.00	0.02	0.00	0.00	-33.92	
	9	4	LIVE	C	0.00	0.04	0.00	0.00	-33.92	
	10	4	WINDR1	C	0.00	-0.24	0.00	0.00	-33.92	
	11	4	WINDL1	C	0.00	-0.10	0.00	0.00	-33.92	
	12	4	WINDR2	C	0.00	-0.36	0.00	0.00	-33.92	
	13	4	WINDL2	C	0.00	-0.23	0.00	0.00	-33.92	
	14	4	DRIFT	C	0.00	0.05	0.00	0.00	-33.92	
	15	4	LWIND1	C	0.00	0.05	0.00	0.00	-33.92	
	16	4	LWIND2	C	0.00	0.20	0.00	0.00	-33.92	
	17	4	SEISL	C	0.00	-0.21	0.00	0.00	-33.92	
	18	5	DEAD	I	0.00	-1.26	0.00	0.00	20.39	
	19	5	COLLAT	I	0.00	-1.86	0.00	0.00	20.39	
	20	5	LIVE	I	0.00	-3.69	0.00	0.00	20.39	
	21	5	SNOW	I	0.00	-0.64	0.00	0.00	20.39	
	22	5	WINDR1	I	0.00	5.72	0.00	0.00	20.39	
	23	3	WINDR1	C	-0.40	0.00	0.00	44.33	-6.38	
	24	5	WINDL1	I	0.00	3.40	0.00	0.00	20.39	
	25	3	WINDL1	C	0.40	0.00	0.00	44.33	-6.38	
	26	5	WINDR2	I	0.00	3.94	0.00	0.00	20.39	
	27	3	WINDR2	C	-0.39	0.00	0.00	44.33	-6.38	
	28	5	WINDL2	I	0.00	1.63	0.00	0.00	20.39	
	29	3	WINDL2	C	0.39	0.00	0.00	44.33	-6.38	
	30	5	DRIFT	I	0.00	-4.93	0.00	0.00	20.39	
	31	5	LWIND1	I	0.00	5.72	0.00	0.00	20.39	
	32	3	LWIND1	C	0.16	0.00	0.00	44.33	-6.38	
	33	5	LWIND2	I	0.00	3.30	0.00	0.00	20.39	
	34	3	LWIND2	C	-0.16	0.00	0.00	44.33	-6.38	
	35	5	SEISR	I	0.00	-0.03	0.00	0.00	20.39	
	36	3	SEISR	C	-0.27	0.00	0.00	44.33	-6.38	
	37	5	SEISL	I	0.00	0.03	0.00	0.00	20.39	
	38	3	SEISL	C	0.27	0.00	0.00	44.33	-6.38	
	39	4	DEAD	I	0.00	-1.69	0.00	0.00	23.43	
	40	4	COLLAT	I	0.00	-2.49	0.00	0.00	23.43	
	41	4	LIVE	I	0.00	-4.95	0.00	0.00	23.43	
	42	4	SNOW	I	0.00	-0.87	0.00	0.00	23.43	
	43	4	WINDR1	I	0.00	7.25	0.00	0.00	23.43	
	44	3	WINDR1	C	-0.50	0.00	0.00	20.00	-3.34	
	45	4	WINDL1	I	0.00	4.57	0.00	0.00	23.43	
	46	3	WINDL1	C	0.50	0.00	0.00	20.00	-3.34	
	47	4	WINDR2	I	0.00	4.87	0.00	0.00	23.43	
	48	3	WINDR2	C	-0.50	0.00	0.00	20.00	-3.34	
	49	4	WINDL2	I	0.00	2.18	0.00	0.00	23.43	
	50	3	WINDL2	C	0.50	0.00	0.00	20.00	-3.34	
	51	4	DRIFT	I	0.00	-6.63	0.00	0.00	23.43	
	52	4	LWIND1	I	0.00	7.68	0.00	0.00	23.43	
	53	3	LWIND1	C	0.20	0.00	0.00	20.00	-3.34	
	54	4	LWIND2	I	0.00	4.43	0.00	0.00	23.43	
	55	3	LWIND2	C	-0.20	0.00	0.00	20.00	-3.34	
	56	4	SEISR	I	0.00	-0.04	0.00	0.00	23.43	
	57	3	SEISR	C	-0.34	0.00	0.00	20.00	-3.34	
	58	4	SEISL	I	0.00	0.04	0.00	0.00	23.43	
	59	3	SEISL	C	0.34	0.00	0.00	20.00	-3.34	
	60	3	DEAD	I	0.00	-1.53	0.00	0.00	25.93	
	61	3	COLLAT	I	0.00	-2.27	0.00	0.00	25.93	
	62	3	LIVE	I	0.00	-4.50	0.00	0.00	25.93	

63	3	SNOW	I	0.00	-0.79	0.00	0.00	25.93
64	3	WINDR1	I	0.00	4.99	0.00	0.00	25.93
65	3	WINDR1	C	-0.45	0.00	0.00	0.00	-0.84
66	3	WINDL1	I	0.00	4.68	0.00	0.00	25.93
67	3	WINDL1	C	0.45	0.00	0.00	0.00	-0.84
68	3	WINDR2	I	0.00	3.30	0.00	0.00	25.93
69	3	WINDR2	C	-0.45	0.00	0.00	0.00	-0.84
70	3	WINDL2	I	0.00	2.99	0.00	0.00	25.93
71	3	WINDL2	C	0.45	0.00	0.00	0.00	-0.84
72	3	DRIFT	I	0.00	-6.02	0.00	0.00	25.93
73	3	LWIND1	I	0.00	4.69	0.00	0.00	25.93
74	3	LWIND1	C	0.18	0.00	0.00	0.00	-0.84
75	3	LWIND2	I	0.00	4.69	0.00	0.00	25.93
76	3	LWIND2	C	-0.18	0.00	0.00	0.00	-0.84
77	3	SEISR	I	0.00	0.21	0.00	0.00	25.93
78	3	SEISR	C	-0.31	0.00	0.00	0.00	-0.84
79	3	SEISL	I	0.00	0.21	0.00	0.00	25.93
80	3	SEISL	C	0.31	0.00	0.00	0.00	-0.84
81	2	DEAD	I	0.00	-1.47	0.00	0.00	23.43
82	2	COLLAT	I	0.00	-2.17	0.00	0.00	23.43
83	2	LIVE	I	0.00	-4.32	0.00	0.00	23.43
84	2	SNOW	I	0.00	-0.75	0.00	0.00	23.43
85	2	WINDR1	I	0.00	3.98	0.00	0.00	23.43
86	2	WINDR1	C	-0.44	0.00	0.00	42.79	4.51
87	2	WINDL1	I	0.00	6.59	0.00	0.00	23.43
88	2	WINDL1	C	0.44	0.00	0.00	42.79	4.51
89	2	WINDR2	I	0.00	1.90	0.00	0.00	23.43
90	2	WINDR2	C	-0.43	0.00	0.00	42.79	4.51
91	2	WINDL2	I	0.00	4.52	0.00	0.00	23.43
92	2	WINDL2	C	0.43	0.00	0.00	42.79	4.51
93	2	DRIFT	I	0.00	-5.78	0.00	0.00	23.43
94	2	LWIND1	I	0.00	3.87	0.00	0.00	23.43
95	2	LWIND1	C	0.17	0.00	0.00	42.79	4.51
96	2	LWIND2	I	0.00	6.69	0.00	0.00	23.43
97	2	LWIND2	C	-0.17	0.00	0.00	42.79	4.51
98	2	SEISR	I	0.00	0.04	0.00	0.00	23.43
99	2	SEISR	C	-0.30	0.00	0.00	42.79	4.51
100	2	SEISL	I	0.00	-0.04	0.00	0.00	23.43
101	2	SEISL	C	0.30	0.00	0.00	42.79	4.51
102	1	DEAD	I	0.00	-1.21	0.00	0.00	21.10
103	1	COLLAT	I	0.00	-1.79	0.00	0.00	21.10
104	1	LIVE	I	0.00	-3.55	0.00	0.00	21.10
105	1	SNOW	I	0.00	-0.62	0.00	0.00	21.10
106	1	WINDR1	I	0.00	3.28	0.00	0.00	21.10
107	2	WINDR1	C	-0.40	0.00	0.00	24.13	2.18
108	1	WINDL1	I	0.00	5.51	0.00	0.00	21.10
109	2	WINDL1	C	0.40	0.00	0.00	24.13	2.18
110	1	WINDR2	I	0.00	1.57	0.00	0.00	21.10
111	2	WINDR2	C	-0.39	0.00	0.00	24.13	2.18
112	1	WINDL2	I	0.00	3.80	0.00	0.00	21.10
113	2	WINDL2	C	0.39	0.00	0.00	24.13	2.18
114	1	DRIFT	I	0.00	-4.76	0.00	0.00	21.10
115	1	LWIND1	I	0.00	3.18	0.00	0.00	21.10
116	2	LWIND1	C	0.16	0.00	0.00	24.13	2.18
117	1	LWIND2	I	0.00	5.51	0.00	0.00	21.10
118	2	LWIND2	C	-0.16	0.00	0.00	24.13	2.18
119	1	SEISR	I	0.00	0.03	0.00	0.00	21.10
120	2	SEISR	C	-0.27	0.00	0.00	24.13	2.18
121	1	SEISL	I	0.00	-0.03	0.00	0.00	21.10
122	2	SEISL	C	0.27	0.00	0.00	24.13	2.18
123	1	DEAD	C	0.00	0.13	0.00	0.00	-0.84
124	1	COLLAT	C	0.00	0.19	0.00	0.00	-0.84
125	1	LIVE	C	0.00	0.39	0.00	0.00	-0.84
126	1	SNOW	C	0.00	0.07	0.00	0.00	-0.84
127	1	WINDR1	C	0.00	-0.42	0.00	0.00	-0.84
128	1	WINDL1	C	0.00	-0.77	0.00	0.00	-0.84

129	1	WINDR2	C	0.00	-0.38	0.00	0.00	-0.84
130	1	WINDL2	C	0.00	-0.73	0.00	0.00	-0.84
131	1	DRIFT	C	0.00	0.51	0.00	0.00	-0.84
132	1	LWIND1	C	0.00	-0.11	0.00	0.00	-0.84
133	1	LWIND2	C	0.00	-0.48	0.00	0.00	-0.84
134	1	SEISR	C	0.00	-0.21	0.00	0.00	-0.84

STEPPED LOAD COEFFICIENTS:

	Basic	Surf	No.						
No.	Load	Id	Step	Locate	Coef	Locate	Coef	Locate	Coef
4	WINDL1	2	2	62.79	1.00	63.28	0.59		
	WINDR1	3	2	0.49	0.59	63.28	1.00		
	WINDL2	2	2	62.79	1.00	63.28	0.42		
	WINDR2	3	2	0.49	0.42	63.28	1.00		

RIGID FRAME - 2:

BASIC LOADS:

Dead	Coll	Live	Snow	Rain	Basic Wind	Defl Ratio	Temperature Change
4.8	10.0	20.0	3.5	0.0	29.2	0.43	0

BASIC LOADS AT EAVE:

Seismic Load	--Torsion-- Wind	Seis	--EW_Brace- Wind	Seis
1.07	0.00	0.00	0.00	0.00

WIND COEFFICIENTS:

Surf	---Wind_1--		---Wind_2--		---Wind_3--		---Wind_4--		Long_Wind		Surface
Id	Left	Right	Left	Right	Left	Right	Left	Right	1	2	Friction
1	0.24	-0.49	0.60	-0.13	0.00	0.00	0.00	0.00	-0.63	-0.63	0.00
2	-0.87	-0.57	-0.51	-0.21	0.00	0.00	0.00	0.00	-0.87	-0.55	0.00
3	-0.57	-0.87	-0.21	-0.51	0.00	0.00	0.00	0.00	-0.55	-0.87	0.00
4	-0.49	0.24	-0.13	0.60	0.00	0.00	0.00	0.00	-0.63	-0.63	0.00

*(

*Load_Coefficients

*		---Live---			-Add_Snow-				--Wind_1--		--Wind_2--		--Wind_3--		--Wind_4--		Long_Wind	
--Seismic-				Aux_Load														
*No.	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Lt	Rt	Lt	Rt	Lt	Rt	Lt	Rt	1	2
Long	Tran	Temp	Id	Coeff															
90	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	2	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	5	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	6	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	7	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	8	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	9	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	10	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															
	12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00															

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      46  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00   0   0.00
      47  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   0   0.00
      48  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   0   0.00
      49  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   0   0.00
      50  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   0   0.00
      51  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00   0   0.00
      52  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00   0   0.00
      53  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00   0   0.00
      54  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00   0   0.00
      55  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   1.00
      56  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   1.00
      57  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      58  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      59  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      60  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      61  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      62  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      63  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00   1   0.75
      64  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00   1   0.75
      65  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00   1   0.75
      66  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   1   0.75
      67  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   1.00
      68  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   1.00
      69  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      70  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      71  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      72  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      73  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      74  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      75  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   2   0.75
      76  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   2   0.75
      77  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   2   0.75
      78  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   2   0.75
```

```
      79  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   1.00
      80  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   1.00
      81  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      82  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      83  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      84  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      85  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      86  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      87  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   3   0.75
      88  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   3   0.75
      89  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   3   0.75
      90  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   3   0.75

 AUXILIARY LOADS:
   No.  Aux  Aux          No.      Add_Load
   Aux   Id  Name         Load     Id   Coeff
    3     1  MIN_SNOW      2       1    1.00
                                     2    1.00
           2  F2UNB_SL_L    3       3    0.30
                                     4    1.00
                                     5    2.76
           3  F2UNB_SL_R    3       4    0.30
                                     3    1.00
                                     6    2.76

 ADDITIONAL LOADS:
  No.  Add  Surf Basic  Load       Fx      Fy     Mom      Dx      Dy  .. Conc
  Add  Id     Id  Type   Type       W1      W2      Co     Dl1     Dl2  .. Dist
   7    1     2  U_SNOW   D     -0.14   -0.14   0.125    0.00   63.28
        2     3  U_SNOW   D     -0.14   -0.14  -0.125    0.00   63.28
        3     3  U_SNOW   D     -0.09   -0.09  -0.125    0.00   63.28
        4     2  U_SNOW   D     -0.09   -0.09   0.125    0.00   63.28
        5     2  U_SNOW   D     -0.09   -0.09   0.125   49.23   63.28
        6     3  U_SNOW   D     -0.09   -0.09  -0.125    0.00   14.05
        7     3  COLLAT   C      0.00   -0.50    0.00    0.00  -12.35

 STEPPED LOAD COEFFICIENTS:
      Basic     Surf  No.  -------------   -------------   -------------
 No.  Load       Id  Step  Locate   Coef   Locate   Coef   Locate   Coef
  4   WINDL1      2    2    62.79   1.00    63.28   0.65
      WINDR1      3    2     0.49   0.65    63.28   1.00
      WINDL2      2    2    62.79   1.00    63.28   0.40
      WINDR2      3    2     0.49   0.40    63.28   1.00

RIGID FRAME - 3:
---------------
 BASIC LOADS:
                                    Basic   Defl  Temperature
   Dead  Coll  Live  Snow  Rain     Wind  Ratio      Change
    4.8  10.0  20.0   3.5   0.0     29.2   0.43           0

 BASIC LOADS AT EAVE:
 Seismic  --Torsion--   --EW_Brace-
   Load   Wind   Seis   Wind   Seis
```

1.07 0.00 0.00 0.00 0.00

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	---Wind_3-- Left	Right	---Wind_4-- Left	Right	Long_Wind 1	2	Surface Friction
1	0.24	-0.49	0.60	-0.13	0.00	0.00	0.00	0.00	-0.63	-0.63	0.00
2	-0.87	-0.57	-0.51	-0.21	0.00	0.00	0.00	0.00	-0.87	-0.55	0.00
3	-0.57	-0.87	-0.21	-0.51	0.00	0.00	0.00	0.00	-0.55	-0.87	0.00
4	-0.49	0.24	-0.13	0.60	0.00	0.00	0.00	0.00	-0.63	-0.63	0.00

*(

Load_Coefficients

*No.	--Seismic- Id	Long	Tran	Dead	Live Coll	Aux_Load Temp	Roof Id	Floor Coeff	Snow	Add_Snow- Drift	Slide	Rain	--Wind_1-- Lt	Rt	--Wind_2-- Lt	Rt	--Wind_3-- Lt	Rt	--Wind_4-- Lt	Rt	Long_Wind 1	2
	90	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		2	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		5	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		6	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		7	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		8	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		9	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		10	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00
	0.00	0.00	0.00	0	0.00																	
		16	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.00
	0.00	0.00	0.00	0	0.00																	
		17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60
	0.00	0.00	0.00	0	0.00																	
		18	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60
	0.00	0.00	0.00	0	0.00																	
		19	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		20	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		21	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		22	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0	0.00																	
		23	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
	0.00	0.00	0.00	0	0.00																	
		24	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	0.00
	0.00	0.00	0.00	0	0.00																	
		25	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
	0.00	0.00	0.00	0	0.00																	

```
      26  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   0   0.00
      27  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      28  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      29  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      30  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      31  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00   0   0.00
      32  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00   0   0.00
      33  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00   0   0.00
      34  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   0   0.00
      35  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      36  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      37  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      38  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      39  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
 0.00  0.00  0.00   0   0.00
      40  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
 0.00  0.00  0.00   0   0.00
      41  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
 0.00  0.00  0.00   0   0.00
      42  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
 0.00  0.00  0.00   0   0.00
      43  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00   0   0.00
      44  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00   0   0.00
      45  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00   0   0.00
      46  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00   0   0.00
      47  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   0   0.00
      48  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   0   0.00
      49  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   0   0.00
      50  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   0   0.00
      51  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00   0   0.00
      52  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00   0   0.00
      53  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00   0   0.00
      54  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00   0   0.00
      55  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   1.00
      56  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   1.00
      57  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      58  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
```

```
      59  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      60  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      61  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      62  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      63  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00   1   0.75
      64  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00   1   0.75
      65  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00   1   0.75
      66  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   1   0.75
      67  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   1.00
      68  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   1.00
      69  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      70  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      71  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      72  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      73  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      74  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      75  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   2   0.75
      76  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   2   0.75
      77  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   2   0.75
      78  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   2   0.75
      79  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   1.00
      80  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   1.00
      81  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      82  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      83  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      84  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      85  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      86  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      87  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   3   0.75
      88  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   3   0.75
      89  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   3   0.75
      90  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   3   0.75

AUXILIARY LOADS:
```

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Coeff
3	1	MIN_SNOW	2	1	1.00
				2	1.00
	2	F3UNB_SL_L	3	3	0.30
				4	1.00
				5	2.76
	3	F3UNB_SL_R	3	4	0.30
				3	1.00
				6	2.76

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Type	Load Type	Fx W1	Fy W2	Mom Co	Dx .. Dl1	Dy .. Dl2	.. Conc .. Dist
6	1	2	U_SNOW	D	-0.14	-0.14	0.125	0.00	63.28	
	2	3	U_SNOW	D	-0.14	-0.14	-0.125	0.00	63.28	
	3	3	U_SNOW	D	-0.09	-0.09	-0.125	0.00	63.28	
	4	2	U_SNOW	D	-0.09	-0.09	0.125	0.00	63.28	
	5	2	U_SNOW	D	-0.09	-0.09	0.125	49.23	63.28	
	6	3	U_SNOW	D	-0.09	-0.09	-0.125	0.00	14.05	

STEPPED LOAD COEFFICIENTS:

	Basic	Surf	No.						
No.	Load	Id	Step	Locate	Coef	Locate	Coef	Locate	Coef
4	WINDL1	2	2	62.79	1.00	63.28	0.65		
	WINDR1	3	2	0.49	0.65	63.28	1.00		
	WINDL2	2	2	62.79	1.00	63.28	0.40		
	WINDR2	3	2	0.49	0.40	63.28	1.00		

RIGID FRAME - 4:

BASIC LOADS:

Dead	Coll	Live	Snow	Rain	Basic Wind	Defl Ratio	Temperature Change
4.8	10.0	20.0	3.5	0.0	29.2	0.43	0

BASIC LOADS AT EAVE:

Seismic Load	--Torsion-- Wind	Seis	--EW_Brace- Wind	Seis
0.74	0.00	0.00	0.00	0.00

WIND COEFFICIENTS:

Surf	---Wind_1--		---Wind_2--		---Wind_3--		---Wind_4--		Long_Wind		Surface
Id	Left	Right	Left	Right	Left	Right	Left	Right	1	2	Friction
1	0.45	-0.64	0.81	-0.28	0.00	0.00	0.00	0.00	-0.66	-0.66	0.00
2	-1.25	-0.73	-0.89	-0.37	0.00	0.00	0.00	0.00	-1.25	-0.71	0.00
3	-0.73	-1.25	-0.37	-0.89	0.00	0.00	0.00	0.00	-0.71	-1.25	0.00
4	-0.64	0.45	-0.28	0.81	0.00	0.00	0.00	0.00	-0.66	-0.66	0.00

*(

*Load_Coefficients

*No.	Id	---Live--- Dead	Coll	Roof	Floor	-Add_Snow- Snow	Drift	Slide	Rain	--Wind_1-- Lt	Rt	--Wind_2-- Lt	Rt	--Wind_3-- Lt	Rt	--Wind_4-- Lt	Rt	Long_Wind 1	2	--Seismic- Long	Tran	Temp	Aux_Load Id	Coeff
92	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00

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      6  1.00 1.00  0.00  0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
      7  1.00 1.00  0.00  0.00  1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
      8  1.00 1.00  0.00  0.00  1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
      9  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     10  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     11  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     12  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     13  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     14  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     15  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     16  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     17  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
0.00  0.00  0.00   0   0.00
     18  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
0.00  0.00  0.00   0   0.00
     19  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
0.00  0.00  0.00   0   0.00
     20  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
0.00  0.00  0.00   0   0.00
     21  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     22  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     23  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     24  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     25  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00   0   0.00
     26  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00   0   0.00
     27  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00   0   0.00
     28  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00   0   0.00
     29  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     30  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     31  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     32  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     33  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00   0   0.00
     34  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00   0   0.00
     35  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00   0   0.00
     36  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00   0   0.00
     37  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     38  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
```

```
      39  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      40  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      41  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
 0.00  0.00  0.00   0   0.00
      42  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
 0.00  0.00  0.00   0   0.00
      43  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
 0.00  0.00  0.00   0   0.00
      44  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
 0.00  0.00  0.00   0   0.00
      45  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00   0   0.00
      46  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00   0   0.00
      47  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00   0   0.00
      48  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00   0   0.00
      49  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   0   0.00
      50  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   0   0.00
      51  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   0   0.00
      52  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   0   0.00
      53  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00   0   0.00
      54  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00   0   0.00
      55  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00   0   0.00
      56  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00   0   0.00
      57  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   1.00
      58  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   1.00
      59  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      60  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      61  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      62  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      63  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      64  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      65  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00   1   0.75
      66  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00   1   0.75
      67  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00   1   0.75
      68  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   1   0.75
      69  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   1.00
      70  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   1.00
      71  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
```

```
      72  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      73  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      74  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      75  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      76  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   2   0.75
      77  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   2   0.75
      78  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   2   0.75
      79  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   2   0.75
      80  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   2   0.75
      81  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   1.00
      82  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   1.00
      83  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      84  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      85  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      86  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      87  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      88  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   3   0.75
      89  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   3   0.75
      90  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   3   0.75
      91  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   3   0.75
      92  1.01 1.01  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   3   0.75

AUXILIARY LOADS:
  No.  Aux  Aux          No.      Add_Load
  Aux   Id  Name         Load     Id    Coeff
    3    1  MIN_SNOW       2      1     1.00
                                   2     1.00
         2  F4UNB_SL_L     3      3     0.30
                                   4     1.00
                                   5     2.76
         3  F4UNB_SL_R     3      4     0.30
                                   3     1.00
                                   6     2.76

ADDITIONAL LOADS:
 No.  Add  Surf Basic  Load       Fx      Fy      Mom      Dx      Dy  .. Conc
 Add  Id     Id  Type   Type       W1      W2       Co     Dl1     Dl2  .. Dist
 45    1     2  U_SNOW   D     -0.08   -0.08   0.125    0.00   63.28
       2     3  U_SNOW   D     -0.08   -0.08  -0.125    0.00   63.28
       3     3  U_SNOW   D     -0.06   -0.06  -0.125    0.00   63.28
       4     2  U_SNOW   D     -0.06   -0.06   0.125    0.00   63.28
       5     2  U_SNOW   D     -0.06   -0.06   0.125   49.23   63.28
       6     3  U_SNOW   D     -0.06   -0.06  -0.125    0.00   14.05
       7     3  DEAD     I      0.00   -2.23    0.00    0.00   17.21
       8     3  COLLAT   I      0.00   -4.14    0.00    0.00   17.21
```

9	3	LIVE	I	0.00	-8.28	0.00	0.00	17.21
10	3	SNOW	I	0.00	-1.45	0.00	0.00	17.21
11	3	LWIND1	I	0.00	12.75	0.00	0.00	17.21
12	3	LWIND2	I	0.00	8.95	0.00	0.00	17.21
13	3	DRIFT	I	0.00	-10.74	0.00	0.00	17.21
14	3	WINDL1	I	0.00	12.20	0.00	0.00	17.21
15	3	WINDR1	I	0.00	12.20	0.00	0.00	17.21
16	3	WINDL2	I	0.00	12.20	0.00	0.00	17.21
17	3	WINDR2	I	0.00	12.20	0.00	0.00	17.21
18	3	SEISL	I	0.58	0.02	0.00	0.00	17.21
19	3	SEISR	I	-0.58	-0.02	0.00	0.00	17.21
20	5	DEAD	I	0.00	-2.23	0.00	0.00	17.21
21	5	COLLAT	I	0.00	-4.14	0.00	0.00	17.21
22	5	LIVE	I	0.00	-8.28	0.00	0.00	17.21
23	5	SNOW	I	0.00	-1.45	0.00	0.00	17.21
24	5	LWIND1	I	0.00	12.75	0.00	0.00	17.21
25	5	LWIND2	I	0.00	8.95	0.00	0.00	17.21
26	5	DRIFT	I	0.00	-10.74	0.00	0.00	17.21
27	5	WINDL1	I	0.00	12.20	0.00	0.00	17.21
28	5	WINDR1	I	0.00	12.20	0.00	0.00	17.21
29	5	WINDL2	I	0.00	12.20	0.00	0.00	17.21
30	5	WINDR2	I	0.00	12.20	0.00	0.00	17.21
31	5	SEISL	I	0.58	0.02	0.00	0.00	17.21
32	5	SEISR	I	-0.58	-0.02	0.00	0.00	17.21
33	4	DEAD	C	0.00	-1.13	0.00	0.00	-15.88
34	4	COLLAT	C	0.00	-2.03	0.00	0.00	-15.88
35	4	LIVE	C	0.00	-4.06	0.00	0.00	-15.88
36	4	SNOW	C	0.00	-0.71	0.00	0.00	-15.88
37	4	LWIND1	C	0.00	6.88	0.00	0.00	-15.88
38	4	LWIND2	C	0.00	4.63	0.00	0.00	-15.88
39	4	DRIFT	C	0.00	-5.17	0.00	0.00	-15.88
40	4	WINDL1	C	0.00	7.32	0.00	0.00	-15.88
41	4	WINDR1	C	0.00	7.32	0.00	0.00	-15.88
42	4	WINDL2	C	0.00	7.32	0.00	0.00	-15.88
43	4	WINDR2	C	0.00	7.32	0.00	0.00	-15.88
44	4	SEISL	C	0.30	0.01	0.00	0.00	-15.88
45	4	SEISR	C	-0.30	-0.01	0.00	0.00	-15.88

STEPPED LOAD COEFFICIENTS:

	Basic	Surf	No.						
No.	Load	Id	Step	Locate	Coef	Locate	Coef	Locate	Coef
4	WINDL1	2	2	62.79	1.00	63.28	0.59		
	WINDR1	3	2	0.49	0.59	63.28	1.00		
	WINDL2	2	2	62.79	1.00	63.28	0.42		
	WINDR2	3	2	0.49	0.42	63.28	1.00		

27766-1 Reactions, Anchor Bolts, & Base Plates:10/14/22 2:28pm

Frame Line	Col Line	Foundation Loads(k) Max_Pos_Val Id	Horz	Vert	Max_Neg_Val Id	Horz	Vert	Anc. Bolt No.	Diam	Base Plate Width	Len	Thick
1	C	16	4.3	-10.1	17	-3.9	-8.7	4	0.625	6.00	14.00	0.500
		9	0.0	21.3	16	4.3	-10.1					
1	E	16	4.6	-8.5	17	-4.2	-6.9	4	0.625	6.00	14.00	0.500
		9	0.0	18.8	16	4.6	-8.5					
1	G	16	5.1	-6.2	17	-4.6	-5.3	4	0.625	6.00	14.00	0.500
		9	0.0	20.6	16	5.1	-6.2					
1	I	18	5.2	-10.3	19	-4.8	-8.6	4	0.625	6.00	14.00	0.500
		9	0.0	22.9	18	5.2	-10.3					
1	K	18	4.2	-9.9	19	-3.7	-8.5	4	0.625	6.00	14.00	0.500
		9	0.0	21.1	18	4.2	-9.9					
25	M	24	0.9	-6.2	17	-0.8	-6.2	4	0.750	10.00	14.00	0.500
		9	0.0	12.4	24	0.9	-6.2					
25	J	24	3.8	-17.6	25	-3.4	-10.7	4	0.750	10.00	14.00	0.625
		9	0.0	26.5	17	-3.4	-19.8					
25	H	16	1.6	-6.0	17	-1.5	-5.1	4	0.750	10.00	14.00	0.500
		9	0.0	12.4	16	1.6	-6.0					
25	F	18	4.3	-16.6	25	-3.8	-7.0	4	0.750	10.00	14.00	0.500
		9	0.0	26.2	18	4.3	-16.6					
25	D	26	3.5	-4.9	19	-3.2	-4.9	4	0.750	10.00	14.00	0.500
		9	0.0	9.4	26	3.5	-4.9					
25	B	26	5.1	-7.1	19	-4.6	-7.1	4	0.750	10.00	14.00	0.500
		9	0.0	13.9	26	5.1	-7.1					
1	A	1	3.1	3.6	2	-3.4	-3.2	4	1.000	8.00	24.00	0.500
		3	2.1	7.6	4	-3.0	-5.3					
1	Q	5	7.3	-7.4	6	-6.6	9.1	4	1.000	10.00	24.00	0.500
		7	-4.1	10.8	8	-1.8	-11.4					
1	C	10	0.0	-7.1	10	0.0	-7.1	4	0.750	6.00	14.00	0.500
		9	0.0	20.2								
1	E	4	0.0	-8.7	4	0.0	-8.7	4	0.750	6.00	14.00	0.500
		9	0.0	19.6								
1	G	4	0.0	-5.5	4	0.0	-5.5	4	0.750	8.00	14.00	0.500
		9	0.0	21.3								
1	I	10	0.0	-9.6	10	0.0	-9.6	4	0.750	6.00	14.00	0.500
		9	0.0	23.1								
1	K	4	0.0	-11.8	4	0.0	-11.8	4	0.750	6.00	14.00	0.500
		9	0.0	21.0								
3*	A	9	33.3	69.1	4	-10.4	-15.2	4	1.000	12.00	24.00	0.625
					8	-3.6	-21.7					
3*	Q	10	11.1	-15.2	9	-33.3	69.1	4	1.000	12.00	24.00	0.625
		9	-33.3	69.1	11	1.1	-22.1					
11*	A	9	31.7	67.2	4	-9.4	-15.6	4	0.875	12.00	24.50	0.625
					8	-2.2	-22.0					
11*	Q	10	8.9	-15.9	9	-31.7	67.3	4	0.875	12.00	24.75	0.500
		9	-31.7	67.3	10	8.9	-15.9					
25	A	1	2.9	3.4	2	-3.2	-3.2	4	1.000	8.00	24.00	0.500
		3	1.5	6.5	4	-2.4	-4.5					
25	Q	10	5.0	-16.7	12	-5.4	14.2	4	1.000	12.00	24.00	0.625
		7	-4.1	17.5	8	2.3	-18.0					
25	B	8	0.0	-6.8	8	0.0	-6.8	4	0.750	10.00	14.00	0.500
		9	0.0	13.3								
25	D	4	0.0	-5.0	4	0.0	-5.0	4	0.750	10.00	14.00	0.500
		9	0.0	10.4								
25	F	13	0.2	2.9	14	-0.2	2.8	4	0.750	10.00	14.00	0.500

		9	0.0	26.2	4	0.0	-10.6					
25	H	10	0.0	-4.9	10	0.0	-4.9	4	0.750	10.00	14.00	0.500
		9	0.0	12.9								
25	J	13	0.2	3.1	14	-0.2	2.9	4	0.750	10.00	14.00	0.625
		9	0.0	27.0	10	0.0	-11.3					
25	M	2	0.0	-12.3	2	0.0	-12.3	4	0.750	10.00	14.00	0.500
		3	0.0	13.6								

3* Frame Lines:3 7 21
11* Frame Lines:11 13 17 19

LOAD COMBINATIONS:

Id	Combination
1	Dead+Collateral+0.6Wind_Right1
2	0.6Dead+0.6Wind_Left2
3	Dead+Collateral+0.75Live+0.45Wind_Right2
4	0.6Dead+0.6Wind_Left1
5	0.6Dead+0.6Wind_Right2
6	Dead+Collateral+0.6Wind_Left1
7	Dead+Collateral+0.75Live+0.45Wind_Left2
8	0.6Dead+0.6Wind_Long1L
9	Dead+Collateral+Live
10	0.6Dead+0.6Wind_Right1
11	0.6Dead+0.6Wind_Long2L
12	Dead+Collateral+0.6Wind_Left2
13	0.58Dead+0.7Seismic_Right
14	0.58Dead+0.7Seismic_Left
15	Dead+Collateral+Snow+Snow_Drift
16	0.6Dead+0.6Wind_Left1+0.6Wind_Suction
17	0.6Dead+0.6Wind_Pressure+0.6Wind_Long1L
18	0.6Dead+0.6Wind_Right1+0.6Wind_Suction
19	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
20	Dead+Collateral+0.75Live+0.45Wind_Long2L
21	Dead+Collateral+0.6Wind_Pressure+0.6Wind_Long2L
22	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
23	Dead+Collateral+0.45Wind_Long2L+0.75MIN_SNOW
24	0.6Dead+0.6Wind_Suction+0.6Wind_Long1L
25	Dead+Collateral+0.6Wind_Pressure+0.6Wind_Long1L
26	0.6Dead+0.6Wind_Suction+0.6Wind_Long2L
27	Dead+Collateral+0.75Snow+0.45Wind_Suction+0.45Wind_Long2L+0.75Snow_Drift

BUILDING BRACING REACTIONS:

Wall Loc	Wall Line	Col Line	Reactions(k) Wind Horz	Reactions(k) Wind Vert	Reactions(k) Seismic Horz	Reactions(k) Seismic Vert	Panel_Shear(lb/ft) Wind	Panel_Shear(lb/ft) Seismic	Notes
L_EW	1								(h)
F_SW	Q	1 ,3	5.70	14.42	1.84	4.65			(b)
F_SW	Q	21 ,25	5.70	13.59	1.84	4.38			(b)
R_EW	25								(h)

B_SW A	21 ,19	5.72	13.47	1.83	4.32				(b)
B_SW A	7 ,3	5.72	13.47	1.83	4.32				(b)

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

Reaction values shown are unfactored. Maximum load combination factors are:
Wind : 0.60
Seismic: 0.70

27766-1 Additional Reactions Report: 10/14/22 2:28pm

Rigid Frame Column Reactions(k)

Frame Line	Col Line	----Dead--- Horz	Vert	Collateral Horz	Vert	----Live--- Horz	Vert	----Snow--- Horz	Vert	-Snow_Drift Horz	Vert
1	A	0.0	1.9	0.1	1.7	0.1	3.4	0.0	0.6	0.1	-0.4
1	Q	0.0	2.1	-0.1	1.3	-0.1	2.5	0.0	0.4	-0.1	0.1
1	C	0.0	4.1	0.0	5.4	0.0	10.7	0.0	1.9	0.0	4.6
1	E	0.0	4.1	0.0	5.2	0.0	10.4	0.0	1.8	0.0	5.8
1	G	0.0	4.6	0.0	5.6	0.0	11.1	0.0	2.0	0.0	6.0
1	I	0.0	4.9	0.0	6.1	0.0	12.1	0.0	2.1	0.0	6.7
1	K	0.0	4.3	0.0	5.6	0.0	11.1	0.0	1.9	0.0	4.7

Frame Line	Col Line	Wind_Left1 Horz	Vert	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert
1	A	-5.0	-10.6	5.0	0.1	-5.7	-7.3	4.2	3.4	1.7	-8.7
1	Q	-10.8	9.5	10.1	-17.3	-8.7	12.2	12.2	-14.5	-3.0	-6.6
1	C	0.0	-13.6	0.0	-15.9	0.0	-9.0	0.0	-11.3	0.0	-15.5
1	E	0.0	-18.6	0.0	-9.3	0.0	-13.5	0.0	-4.2	0.0	-15.0
1	G	0.0	-13.8	0.0	-13.3	0.0	-9.6	0.0	-9.1	0.0	-12.3
1	I	0.0	-11.6	0.0	-20.9	0.0	-5.6	0.0	-14.9	0.0	-14.5
1	K	0.0	-23.9	0.0	-6.8	0.0	-18.8	0.0	-1.8	0.0	-10.8

Frame Line	Col Line	Wind_Long2 Horz	Vert	-Seis_Left- Horz	Vert	-Seis_Right Horz	Vert	-MIN_SNOW- Horz	Vert	F1UNB_SL_L Horz	Vert
1	A	0.9	-6.7	-1.0	-1.5	0.9	1.7	0.0	0.9	0.0	0.7
1	Q	-4.6	-5.5	-1.9	4.1	2.0	-3.9	0.0	0.6	0.0	0.1
1	C	0.0	-10.8	0.0	1.7	0.0	-1.7	0.0	1.8	0.0	1.1
1	E	0.0	-12.6	0.0	-0.2	0.0	0.2	0.0	1.5	0.0	2.0
1	G	0.0	-12.1	0.0	-0.3	0.0	-0.1	0.0	1.7	0.0	2.4
1	I	0.0	-17.5	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.1
1	K	0.0	-17.5	0.0	-3.8	0.0	3.8	0.0	1.9	0.0	0.4

Frame Line	Col Line	F1UNB_SL_R Horz	Vert
1	A	0.0	0.2
1	Q	0.0	0.5
1	C	0.0	0.4
1	E	0.0	0.1
1	G	0.0	2.4
1	I	0.0	2.2
1	K	0.0	1.1

Frame Line	Col Line	----Dead--- Horz	Vert	Collateral Horz	Vert	----Live--- Horz	Vert	----Snow--- Horz	Vert	Wind_Left1 Horz	Vert
3*	A	6.7	16.9	9.0	17.7	17.6	34.5	3.1	6.0	-24.0	-42.2
3*	Q	-6.7	16.9	-9.0	17.7	-17.6	34.5	-3.1	6.0	8.0	-30.4

Frame Line	Col Line	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert	Wind_Long2 Horz	Vert
3*	A	-10.8	-30.4	-17.4	-23.9	-4.2	-12.2	-12.6	-39.5	-14.6	-32.4
3*	Q	25.2	-42.1	3.7	-12.3	20.9	-24.0	10.6	-32.2	8.6	-39.3

Frame Line	Col Line	-Seis_Left- Horz	Vert	-Seis_Right Horz	Vert	-MIN_SNOW- Horz	Vert	F2UNB_SL_L Horz	Vert	F2UNB_SL_R Horz	Vert
3*	A	-1.1	-0.5	1.1	0.5	4.4	8.6	3.4	7.1	3.4	4.5
3*	Q	-1.1	0.5	1.1	-0.5	-4.4	8.6	-3.4	4.5	-3.4	7.1

Frame Line	Col Line	----Dead--- Horz	Vert	Collateral Horz	Vert	----Live--- Horz	Vert	----Snow--- Horz	Vert	Wind_Left1 Horz	Vert
11*	A	6.2	15.3	8.6	17.4	17.0	34.5	3.0	6.0	-21.8	-41.3
11*	Q	-6.2	15.3	-8.6	17.4	-17.0	34.6	-3.0	6.0	14.9	-31.3

Frame Line	Col Line	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert	Wind_Long2 Horz	Vert
11*	A	-11.0	-30.8	-16.8	-23.7	-5.9	-13.2	-9.8	-38.4	-11.9	-31.3
11*	Q	21.0	-41.8	5.5	-12.5	11.6	-23.0	19.3	-33.3	17.5	-40.4

Frame Line	Col Line	-Seis_Left- Horz	Vert	-Seis_Right Horz	Vert	-MIN_SNOW- Horz	Vert	F3UNB_SL_L Horz	Vert	F3UNB_SL_R Horz	Vert
11*	A	-1.1	-0.5	1.1	0.5	4.2	8.6	3.2	7.1	3.2	4.5
11*	Q	-1.0	0.5	1.0	-0.5	-4.2	8.6	-3.2	4.5	-3.2	7.1

Frame Line	Col Line	----Dead--- Horz	Vert	Collateral Horz	Vert	----Live--- Horz	Vert	----Snow--- Horz	Vert	-Snow_Drift Horz	Vert
25	A	0.0	1.7	0.0	1.5	0.0	2.9	0.0	0.5	-0.1	-0.1
25	Q	0.0	3.7	0.0	3.3	0.0	6.7	0.0	1.2	0.1	5.4
25	B	0.0	2.8	0.0	3.5	0.0	7.0	0.0	1.2	0.0	0.0
25	D	0.0	2.3	0.0	2.7	0.0	5.4	0.0	0.9	0.0	0.4
25	F	0.0	5.0	0.0	7.1	0.0	14.1	0.0	2.5	0.0	10.2
25	H	0.0	2.8	0.0	3.4	0.0	6.7	0.0	1.2	0.0	0.5
25	J	0.0	5.2	0.0	7.3	0.0	14.5	0.0	2.5	0.0	10.2
25	M	0.0	2.5	0.0	3.0	0.0	5.9	0.0	1.0	0.0	0.0

Frame Line	Col Line	Wind_Left1 Horz	Vert	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert
25	A	-3.9	-9.2	4.7	0.4	-5.3	-7.0	3.4	2.5	3.1	-5.1
25	Q	-7.6	7.0	8.3	-31.6	-8.9	11.9	7.0	-26.7	3.8	-20.2
25	B	0.0	-8.0	0.0	-11.9	0.0	-4.3	0.0	-8.2	0.0	-14.1
25	D	0.0	-10.6	0.0	-5.5	0.0	-7.8	0.0	-2.8	0.0	-10.2
25	F	0.0	-22.6	0.0	-18.1	0.0	-20.0	0.0	-15.5	0.0	-21.3
25	H	0.0	-8.1	0.0	-10.9	0.0	-5.3	0.0	-8.1	0.0	-6.7
25	J	0.0	-18.9	0.0	-23.9	0.0	-15.4	0.0	-20.4	0.0	-18.8
25	M	0.0	-23.0	0.0	8.3	0.0	-23.0	0.0	8.3	0.0	3.1

Frame	Col	Wind_Long2	-Seis_Left-	-Seis_Right	-MIN_SNOW-	F4UNB_SL_L

Line	Line	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
25	A	2.0	-5.2	-0.8	-1.5	0.8	1.5	0.0	0.8	0.0	0.5
25	Q	0.8	-12.2	-2.2	4.8	2.2	-4.9	0.0	0.6	0.0	0.1
25	B	0.0	-6.1	0.0	1.7	0.0	-1.6	0.0	1.7	0.0	1.2
25	D	0.0	-5.6	0.0	-0.1	0.0	0.1	0.0	1.3	0.0	0.9
25	F	0.0	-14.5	-0.3	-0.1	0.3	0.0	0.0	1.5	0.0	2.9
25	H	0.0	-10.2	0.0	-0.1	0.0	0.0	0.0	1.6	0.0	1.0
25	J	0.0	-21.1	-0.3	-0.1	0.3	0.1	0.0	1.7	0.0	0.2
25	M	0.0	-8.6	0.0	-4.7	0.0	4.8	0.0	1.5	0.0	0.3

Frame Line	Col Line	F4UNB_SL_R Horz	Vert
25	A	0.0	0.2
25	Q	0.0	0.4
25	B	0.0	0.4
25	D	0.0	0.1
25	F	0.0	1.0
25	H	0.0	2.8
25	J	0.0	1.2
25	M	0.0	1.0

3* Frame Lines:3 7 21
11* Frame Lines:11 13 17 19

Endwall Column Reactions(k)

Frame Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Snow Drift Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert
1	C	3.6	5.9	11.7	2.0	4.8	-20.5	-12.2	-14.5
1	E	3.5	5.1	10.1	1.8	5.8	-17.6	-10.1	-12.4
1	G	3.8	5.6	11.1	1.9	6.0	-14.3	-14.3	-10.0
1	I	4.2	6.2	12.4	2.2	6.6	-12.3	-21.4	-6.0
1	K	3.6	5.8	11.6	2.0	4.9	-12.1	-20.2	-6.1

Frame Line	Col Line	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert	Seismic Left Vert	Seismic Right Vert
1	C	-6.2	-6.5	7.2	-18.2	-14.2	0.1	-0.1
1	E	-4.9	-6.9	7.6	-15.0	-12.5	0.1	-0.1
1	G	-10.0	-7.6	8.4	-12.7	-12.3	-0.7	-0.8
1	I	-15.0	-7.9	8.7	-15.2	-18.6	-0.2	0.2
1	K	-14.2	-6.2	7.0	-14.1	-17.9	-0.1	0.1

Frame Line	Col Line	--MIN_SNOW-- Horz	Vert	-E1UNB_SL_L- Horz	Vert	-E1UNB_SL_R- Horz	Vert
1	C	0.0	2.0	0.0	1.2	0.0	0.5
1	E	0.0	1.4	0.0	2.0	0.0	0.0
1	G	0.0	1.6	0.0	2.4	0.0	2.4
1	I	0.0	1.9	0.0	0.1	0.0	2.2
1	K	0.0	2.0	0.0	0.5	0.0	1.2

Frame Line	Col Line	Dead Vert	-Collateral- Horz	Vert	----Live---- Horz	Vert	Snow Vert	-Snow_Drift- Horz	Vert	Wind Left1 Vert

25	M	2.1	0.0	3.4	0.0	6.8	1.2	0.0	0.0	-12.3
25	J	4.6	0.0	7.3	0.0	14.6	2.6	0.0	10.7	-24.1
25	H	2.2	0.0	3.4	0.0	6.8	1.2	0.0	0.0	-12.2
25	F	4.5	-0.1	7.2	0.0	14.4	2.5	0.0	10.7	-19.9
25	D	1.7	0.0	2.6	0.0	5.1	0.9	0.0	0.0	-5.2
25	B	2.3	0.0	3.9	0.0	7.7	1.3	0.0	0.0	-8.4

Frame Line	Col Line	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind_Pressure Horz	Wind_Pressure Vert	Wind_Suction Horz	Wind_Suction Vert	Wind Long1 Vert
25	M	-7.4	-8.7	-3.8	-1.3	0.0	1.5	0.0	-12.5
25	J	-18.8	-20.6	-15.2	-5.6	-12.7	6.4	-9.0	-24.9
25	H	-8.4	-9.2	-5.4	-2.5	0.0	2.7	0.0	-10.7
25	F	-23.3	-17.2	-20.7	-6.3	-12.7	7.1	-9.0	-18.6
25	D	-9.6	-2.3	-6.7	-5.3	0.0	5.8	0.0	-5.5
25	B	-13.9	-4.3	-9.9	-7.6	0.0	8.5	0.0	-8.1

Frame Line	Col Line	Wind Long2 Vert	Seismic Left Vert	Seismic Right Vert	--MIN_SNOW-- Horz	--MIN_SNOW-- Vert	-E2UNB_SL_L- Horz	-E2UNB_SL_L- Vert	-E2UNB_SL_R- Horz	-E2UNB_SL_R- Vert
25	M	-7.2	0.2	-0.1	0.0	1.7	0.0	1.2	0.0	0.4
25	J	-8.8	0.2	0.1	0.0	1.6	0.0	1.0	0.0	0.2
25	H	-6.7	-0.6	-0.7	0.0	1.7	0.0	3.2	0.0	1.0
25	F	-11.6	-0.7	-0.6	0.0	1.5	0.0	0.9	0.0	3.1
25	D	-10.0	0.2	0.2	0.0	1.3	0.0	0.1	0.0	0.7
25	B	-14.2	-0.1	0.2	0.0	1.9	0.0	0.4	0.0	1.4

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Building Data

Code =IBC 15
Length = 211.33
Width = 125.58
Left Eave Height = 33.08
Right Eave Height = 33.08

Seismic Formula

Base Shear, V = 0.667*Ie*Fa*Ss*W/R

Vmin = 0.044*Sds*Ie*W
Vmax = Sd1*Ie*W/(T*R)

T(Moment_Frame) = 0.503
Shear Force, E = Omega*Rho*V

T(Braced_Frame) = 0.300

Note: Applied load is seismic force multiplied by load combination

Fa*Ss = 0.161
Zone/Design Category= B
Ie = 1.000
S1 = 0.075
Sd1 = 0.085
Sds = 0.107

Seismic Dead Load, W

Frame	Dead	=	2.00 (psf)		
Roof	Dead	=	4.80 (psf)		
Collateral		=	10.00 (psf)		
Roof	Total	=	16.80 (psf)	, Weight=	458.53 (k)
Left EW	Dead	=	2.00 (psf)	, Weight=	4.65 (k)
Front SW	Dead	=	2.00 (psf)	, Weight=	6.99 (k)
Right EW	Dead	=	2.00 (psf)	, Weight=	4.65 (k)
Back SW	Dead	=	2.00 (psf)	, Weight=	6.99 (k)
				Total =	481.81 (k)

Seismic Forces

Roof Bracing
R = 3.25, Rho= 1.00, Omega= 1.00
Cs = 0.0330
W = 467.82 (k)
Force, V = 15.44 (k)
Force, E = 15.44 (k)

Wind Bents
Front
R = 3.50, Rho= 1.00, Omega= 1.00
Cs = 0.0306
W = 239.92 (k)
Force, V = 7.34 (k)
Force, E = 7.34 (k)
Back
R = 3.50, Rho= 1.00, Omega= 1.00
Cs = 0.0306
W = 239.73 (k)
Force, V = 7.34 (k)
Force, E = 7.34 (k)

Rigid Frames
R = 3.00, Rho= 1.00, Omega= 1.00
Cs = 0.0358
Frame 1
W = 39.66 (k)
Force, V = 1.42 (k)
Force, E = 1.42 (k)
Frame 2
W = 59.78 (k)
Force, V = 2.14 (k)
Force, E = 2.14 (k)
Frame 3
W = 59.78 (k)
Force, V = 2.14 (k)
Force, E = 2.14 (k)
Frame 4
W = 41.34 (k)
Force, V = 1.48 (k)
Force, E = 1.48 (k)

End Plates
Frame
R = 3.00, Rho= 1.00, Omega= 3.00
Wind Bent
R = 3.50, Rho= 1.00, Omega= 3.00

Total Base Shear
Longitudinal
Force, V = 14.68 (k)
Transverse
Force, V = 17.88 (k)

VULCAN STEEL STRUCTURES, INC
500 VULCAN PARKWAY
ADEL, GA 31620

STRUCTURAL DESIGN CALCULATIONS
FOR
BEAR BROTHERS
220 MENDEL PARKWAY
MONTGOMERY, AL 36117

NEW BASE SUPPLY ANNEX
MONTGOMERY, AL 36108

27766-2

BUILDING LAYOUT

Width	(ft)=	33.8
Length	(ft)=	74.3
Eave Height	(ft)=	20.8/ 25.0
Roof Slope	(rise/12)=	1.50

BUILDING LOADS

Roof Dead Load	(psf)=	4.8
Wall Dead Load		
Left Endwall	(psf)=	2.0
Right Endwall	(psf)=	2.0
Front Sidewall	(psf)=	2.0
Back Sidewall	(psf)=	2.0
Live Load	(psf)=	20.0
Collateral Load	(psf)=	10.0
Snow Load	(psf)=	3.5
Minimum Snow	(psf)=	5.0
Wind Speed	(mph)=	116.0
Wind Code	=	IBC 15
Closed/Open	=	P
Exposure	=	C
Internal Wind Coeff	=	-0.55, +0.55
Importance - Wind	=	1.00
Importance - Seismic	=	1.00
Seismic Design Category	=	B
Seismic Coeff (Fa*Ss)	=	0.16

Designer : ZJM
Detailer : XXX

10/21/22

10/26/22

27766-2 Design Loads For Building Components: 10/21/22 11:51am

FRONT SIDEWALL:

BASIC LOADS:

Basic Wind	Wind_Load_Ratio Deflect	Factor
26.5	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
0.00	0.00	3.38	0.00	1.05	1.17	1.05

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Long	
34.3	-36.7		.. Girt/Header
38.5	-40.9		.. Panel
33.0	-35.4		.. Jamb
0.0	0.0		.. Parapet

BACK SIDEWALL:

BASIC LOADS:

Basic Wind	Wind_Load_Ratio Deflect	Factor
26.5	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
3.38	0.00	0.00	0.00	1.05	1.17	1.05

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Long	
34.3	-36.7		.. Girt/Header
38.5	-40.9		.. Panel
33.0	-35.4		.. Jamb
0.0	0.0		.. Parapet

LEFT ENDWALL:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Factor
4.8	10.0	20.0	3.5	0.0	26.5	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
0.00	0.00	0.00	0.00	1.05	1.17	1.05

BASIC LOADS AT EAVE:

Seis Dead	Seis Girt	Seis Load	---Torsion--- Wind	Seismic

2.00 0.00 0.00 0.00 0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	
0.0	0.0	.. Column
0.0	0.0	.. Girt/Header
0.0	0.0	.. Jamb
0.0	0.0	.. Panel
50.3	-39.2	.. Parapet
39.8	-26.5	.. Transverse bracing, Facia/Parapet

WIND COEFFICIENTS:

Surf	---Wind_1--		---Wind_2--		-Long_Wind-		Surface
Id	Left	Right	Left	Right	1	2	Friction
1	-0.04	-0.93	1.07	0.17	-1.01	-1.01	0.00
2	-1.41	-1.01	-0.31	0.09	-1.41	-0.99	0.00
3	-1.11	-0.03	0.17	1.07	-1.01	-1.01	0.00

COLUMN, RAFTER & BRACING DESIGN LOADS:

Load			---Live---		--Add_Snow-				Wind_1		Wind_2		Long_Wind		Column_Wind		Long	Tran	Aux_Load	
No.	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Left	Right	Left	Right	1	2	Press	Suct	Seis	Seis	Id	Coef
48	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	6	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
	8	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
	9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	10	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	13	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	14	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	15	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
	16	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
	17	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	18	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	19	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
	20	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
	21	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
	22	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
	23	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	24	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	25	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	26	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	27	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
	28	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
	29	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
	30	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	0	0.00
	31	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
	32	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
	33	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.00
	34	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	35	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	36	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	37	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	1	0.75
	38	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	1	0.75
	39	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	40	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	41	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	42	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	43	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	44	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75

45	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
46	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
47	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
48	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Coeff
1	1	MIN_SNOW	2	1	1.00
				10	1.43

ADDITIONAL LOADS:

No. Add	Add Id	Loc Id	Basic Load	Load Type	Fx W1	Fy W2	Mom Co	X Dl1	Y Dl2	.. Conc .. Dist
10	1	2	U_SNOW	D	-0.06	-0.06	0.12	0.00	34.10	
	2	2	DRIFT	D	-0.30	-0.30	0.12	0.00	34.10	
	3	2	DEAD	C	0.00	-0.19	-0.29	33.83	4.23	
	4	2	LIVE	C	0.00	-0.77	-1.15	33.83	4.23	
	5	2	SNOW	C	0.00	-0.14	-0.20	33.83	4.23	
	6	2	WINDL1	C	-0.06	0.47	0.72	33.83	4.23	
	7	2	WINDL2	C	-0.06	0.47	0.72	33.83	4.23	
	8	2	WINDR1	C	-0.20	1.60	2.43	33.83	4.23	
	9	2	WINDR2	C	-0.20	1.60	2.43	33.83	4.23	
	10	2	U_SNOW	C	0.00	-0.14	-0.20	33.83	4.23	

RIGHT ENDWALL:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Factor
4.8	10.0	20.0	3.5	0.0	26.5	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
3.38	0.00	3.38	0.00	1.05	1.17	1.05

BASIC LOADS AT EAVE:

Seis Dead	Seis Girt	Seis Load	---Torsion--- Wind	Seismic
2.00	0.00	0.00	0.00	0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	
33.0	-35.4	.. Column
34.3	-36.7	.. Girt/Header
33.0	-35.4	.. Jamb
38.5	-40.9	.. Panel
50.3	-39.2	.. Parapet
39.8	-26.5	.. Transverse bracing, Facia/Parapet

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	-Long_Wind- 1	2	Surface Friction
1	-0.03	-1.12	1.07	0.17	-1.01	-1.01	0.00
2	-1.02	-1.47	0.08	-0.37	-1.47	-1.00	0.00
3	-0.93	-0.03	0.17	1.08	-1.01	-1.01	0.00

COLUMN, RAFTER & BRACING DESIGN LOADS:

Load No.	Id	Dead	---Live--- Coll	Roof	Floor	Snow	--Add_Snow- Drift	Slide	Rain	Wind_1 Left	Right	Wind_2 Left	Right	Long_Wind 1	2	Column_Wind Press	Suct	Long Seis	Tran Seis	Aux_Load Id	Coef
79	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00

3	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
4	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
5	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0.00	0	0.00
7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00	0	0.00
8	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0.00	0.00	0	0.00
9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0	0.00
10	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
14	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
15	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
16	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00	0	0.00
17	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.00	0	0.00
18	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0	0.00
19	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00
20	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
21	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	0	0.00
22	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00	0	0.00
23	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.00	0	0.00
24	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	0	0.00
25	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0	0.00
26	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0.00	0	0.00
27	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00	0	0.00
28	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0.00	0.00	0	0.00
29	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.60	0.00	0.00	0	0.00
30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
31	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
32	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
33	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
34	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
35	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
36	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
37	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	0	0.00
38	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
39	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
40	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.00
41	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
42	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45	0.00	0.00	1	0.75
43	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45	0.00	0.00	1	0.75
44	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00	1	0.75
45	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.00	0.00	0.00	1	0.75
46	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.45	0.00	0.00	1	0.75
47	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	1	0.75
48	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
49	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
50	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
51	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
52	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
53	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
54	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
55	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
56	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
57	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
58	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
59	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
60	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
61	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
62	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
63	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
64	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
65	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
66	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
67	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
68	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00

69	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
70	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
71	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
72	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
73	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
74	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
75	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
76	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	1	0.75
77	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	1	0.75
78	1.00	1.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1.00
79	1.00	1.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	1.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Add_Load Coeff
3	1	MIN_SNOW	2	1	1.00
				11	1.43
	2	E2PAT_SL_1	1	2	0.50
	3	E2PAT_SL_2	1	3	0.50

ADDITIONAL LOADS:

No. Add	Add Id	Loc Id	Basic Load	Load Type	Fx W1	Fy W2	Mom Co	X Dl1	Y Dl2	.. Conc .. Dist
11	1	2	U_SNOW	D	-0.08	-0.08	-0.12	0.00	34.10	
	2	2	U_SNOW	D	-0.05	-0.05	-0.12	0.00	28.97	
	3	2	U_SNOW	D	-0.05	-0.05	-0.12	28.97	34.10	
	4	2	DEAD	C	0.00	-0.22	0.34	0.00	0.00	
	5	2	LIVE	C	0.00	-0.89	1.34	0.00	0.00	
	6	2	SNOW	C	0.00	-0.16	0.23	0.00	0.00	
	7	2	WINDL1	C	0.24	1.91	-2.91	0.00	0.00	
	8	2	WINDL2	C	0.24	1.91	-2.91	0.00	0.00	
	9	2	WINDR1	C	0.07	0.57	-0.87	0.00	0.00	
	10	2	WINDR2	C	0.07	0.57	-0.87	0.00	0.00	
	11	2	U_SNOW	C	0.00	-0.16	0.23	0.00	0.00	

ROOFDES:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Surface Factor	Friction	Seis Factor	% Snow
4.8	10.0	20.0	3.5	0.0	26.5	0.43	0.00	0.00	1.000	0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Suct_Roof	
19.9	-43.8		.. Purlins
22.6	-43.8		.. Panels
10.6	-7.7	-18.3	.. Long Bracing, Building
16.2	-11.4		.. Long Bracing, Wall Edge Zone
39.8	-26.5	21.2	.. Long Bracing, Facia/Parapet

EDGE & CORNER ZONE WIND:

Wind Surf Id	No. Zone Id	Zone	Id	Width	Length	--Purlin--- Press	Suct	---Panel--- Press	Suct
1	2	9	1	0.00	0.00	1.00	1.00	1.00	1.00
			4	3.38	0.00	1.00	1.06	1.00	1.12
			5	0.00	3.77	1.00	1.24	1.00	1.30
			6	3.74	0.00	1.00	1.24	1.00	1.30
			8	6.77	3.77	1.00	1.06	1.00	1.42
			9	3.74	10.53	1.00	1.30	1.00	1.91
			19	23.59	3.00	0.80	1.33	1.00	1.33
			20	6.77	3.00	0.80	2.02	1.00	2.24
			21	3.74	3.00	0.80	2.02	1.00	2.24

EDGE & CORNER ZONE WIND: LONGITUDINAL

Wind Surf Id	No. Zone Id	Zone Id	Width	Length	Purlin Suct
1	2	1	1	0.00	0.00	1.00
2	2	1	1	0.00	0.00	1.00

EXTENSION EDGE ZONE WIND:

Ext Zone Id	Zone Id	Length	---Purlin-- Press	Suct	---Panel--- Press	Suct
1	1	50.27	1.00	1.00	1.00	1.00
1	2	13.53	1.00	1.56	1.00	2.18
1	3	13.53	1.00	1.56	1.00	2.18

PURLIN DESIGN LOADS:

Surf Id	--Load- No.	Id	Dead	Coll	Live	--Add_Snow- Snow	Drift	Slide	Rain	Wind Press	Wind Suct	Aux_Load Id	Coef
2	16	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		2	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		3	1.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0	0.00
		4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0.00
		5	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
		6	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0	0.00
		7	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0	0.00
		8	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1	1.00
		9	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	1	0.75
		10	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	4	1.00
		11	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	5	1.00
		12	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	6	1.00
		13	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	2	1.00
		14	1.00	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	3	1.00
		15	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	2	-1.00
		16	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	3	-1.00

BRACING DESIGN LOADS:

--Load- No.	Id	Dead	Coll	Live	--Add_Snow- Snow	Drift	Slide	Rain	Wind Press	Wind Suct	Seis Load	Aux_Load Id	Coef
17	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0.00
	5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	6	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
	7	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	8	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
	9	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	10	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0.00
	11	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	13	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
	14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	15	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
	16	1.01	1.01	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
	17	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00

AUXILIARY LOADS:

No. Aux Id	Aux Name	No. Load	Add_Load Id	Coef
6	1	MIN_SNOW	1	1	1.00
	2	PAT_SL_1	1	2	0.50
	3	PAT_SL_2	1	5	0.50
	4	PAT_SL_3	2	2	0.50
				3	0.50
	5	PAT_SL_4	2	3	0.50
				4	0.50
	6	PAT_SL_5	2	4	0.50
				5	0.50

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Load	Load Type	Fy W1	W2	Dx Dx1	Dx2	.. Conc .. Dist
6	1	2	U_SNOW	D	-5.0	-5.0	0.0	34.1	
	2	0	U_SNOW	D	-3.5	-3.5	0.0	25.7	
	3	0	U_SNOW	D	-3.5	-3.5	25.7	50.7	
	4	0	U_SNOW	D	-3.5	-3.5	50.7	74.3	
	5	0	U_SNOW	D	-3.5	-3.5	74.3	77.3	
	6	2	DRIFT	D	-51.9	0.0	0.0	14.2	

RIGID FRAME - 1:

BASIC LOADS:

Dead	Coll	Live	Snow	Rain	Basic Wind	Defl Ratio	Temperature Change
4.8	10.0	20.0	3.5	0.0	26.5	0.43	0

BASIC LOADS AT EAVE:

Seismic Load	--Torsion-- Wind	Seis	--EW_Brace- Wind	Seis
0.17	0.00	0.00	0.00	0.00

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	---Wind_3-- Left	Right	---Wind_4-- Left	Right	Long_Wind 1	2	Surface Friction
1	-0.03	-0.93	1.07	0.17	0.00	0.00	0.00	0.00	-1.01	-1.01	0.00
2	-1.41	-1.01	-0.31	0.09	0.00	0.00	0.00	0.00	-1.41	-0.99	0.00
3	-0.93	-0.03	0.17	1.07	0.00	0.00	0.00	0.00	-1.01	-1.01	0.00

*(

*----------Load_Coefficients----------

*No.	Id	---Live--- Dead	Coll	Aux_Load Roof	Floor	-Add_Snow- Snow	Drift	Slide	Rain	--Wind_1-- Lt	Rt	--Wind_2-- Lt	Rt	--Wind_3-- Lt	Rt	--Wind_4-- Lt	Rt	Long_Wind 1	2	--Seismic- Long	Tran	Temp	Id	Coeff
	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65	0.00	0.00	0	0.00
	2	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	6	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	7	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	8	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	9	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	10	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	11	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00

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     16  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     17  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
0.00  0.00  0.00   0   0.00
     18  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
0.00  0.00  0.00   0   0.00
     19  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
0.00  0.00  0.00   0   0.00
     20  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
0.00  0.00  0.00   0   0.00
     21  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     22  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     23  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     24  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     25  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00   0   0.00
     26  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00   0   0.00
     27  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00   0   0.00
     28  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00   0   0.00
     29  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     30  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     31  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     32  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     33  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00   0   0.00
     34  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00   0   0.00
     35  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00   0   0.00
     36  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00   0   0.00
     37  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     38  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     39  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     40  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     41  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
0.00  0.00  0.00   0   0.00
     42  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
0.00  0.00  0.00   0   0.00
     43  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
0.00  0.00  0.00   0   0.00
     44  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
0.00  0.00  0.00   0   0.00
     45  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.70  0.00   0   0.00
     46  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00 -0.70  0.00   0   0.00
     47  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     48  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.52  0.00   0   0.00
```

49	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	-0.52	0.00	0	0.00																
50	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00																
51	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.70	0.00	0	0.00																
52	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	-0.70	0.00	0	0.00																
53	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00																
54	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	1.00																
55	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	1.00																
56	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																
57	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																
58	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																
59	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																
60	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																
61	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																
62	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00
0.00	0.00	0.00	1	0.75																
63	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	0.00	0.00
0.00	0.00	0.00	1	0.75																
64	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
0.00	0.00	0.00	1	0.75																
65	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	0.00
0.00	0.00	0.00	1	0.75																

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Coeff
1	1	MIN_SNOW	2	1	1.00
				19	1.43

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Type	Load Type	Fx W1	Fy W2	Mom Co	Dx Dl1	Dy Dl2	.. Conc .. Dist
19	1	2	U_SNOW	D	-0.06	-0.06	0.125	0.00	34.10	
	2	3	DEAD	C	0.00	-0.60	0.00	0.00	-6.83	
	3	3	COLLAT	C	0.00	-2.10	0.00	0.00	-6.83	
	4	3	LIVE	C	0.00	-5.30	0.00	0.00	-6.83	
	5	3	SNOW	C	0.00	-0.90	0.00	0.00	-6.83	
	6	3	DRIFT	C	0.00	-1.30	0.00	0.00	-6.83	
	7	3	WINDR1	C	0.00	-4.00	0.00	0.00	-6.83	
	8	3	WINDR2	C	0.00	-4.00	0.00	0.00	-6.83	
	9	3	LWIND1	C	0.00	-3.90	0.00	0.00	-6.83	
	10	3	LWIND2	C	0.00	-3.90	0.00	0.00	-6.83	
	11	2	DRIFT	D	-0.30	-0.30	0.125	0.00	34.10	
	12	3	DEAD	C	0.00	-0.20	-0.30	0.00	0.00	
	13	3	LIVE	C	0.00	-0.79	-1.18	0.00	0.00	
	14	3	SNOW	C	0.00	-0.14	-0.21	0.00	0.00	
	15	3	WINDL1	C	-0.06	0.48	0.74	0.00	0.00	
	16	3	WINDR1	C	-0.20	1.64	2.50	0.00	0.00	
	17	3	WINDL2	C	-0.06	0.48	0.74	0.00	0.00	
	18	3	WINDR2	C	-0.20	1.64	2.50	0.00	0.00	
	19	3	U_SNOW	C	0.00	-0.14	-0.21	0.00	0.00	

RIGID FRAME - 2:

BASIC LOADS:

Dead	Coll	Live	Snow	Rain	Basic Wind	Defl Ratio	Temperature Change
4.8	10.0	20.0	3.5	0.0	26.5	0.43	0

BASIC LOADS AT EAVE:

Seismic Load	--Torsion-- Wind	Seis	--EW_Brace- Wind	Seis
0.30	0.00	0.00	0.00	0.00

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	---Wind_3-- Left	Right	---Wind_4-- Left	Right	Long_Wind 1	2	Surface Friction
1	-0.13	-0.86	0.99	0.24	0.00	0.00	0.00	0.00	-1.00	-1.00	0.00
2	-1.24	-0.94	-0.14	0.16	0.00	0.00	0.00	0.00	-1.24	-0.92	0.00
3	-0.87	-0.13	0.25	0.97	0.00	0.00	0.00	0.00	-1.00	-1.00	0.00

*(

*Load_Coefficients

*No.	Id	Dead	---Live--- Coll	Roof	Aux_Load Floor	-Add_Snow- Snow	Drift	Slide	Rain	--Wind_1-- Lt	Rt	--Wind_2-- Lt	Rt	--Wind_3-- Lt	Rt	--Wind_4-- Lt	Rt	Long_Wind 1	2	--Seismic- Long	Tran	Temp	Id	Coeff
68	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	6	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	7	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	8	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	9	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	10	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	11	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	16	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0	0.00
	18	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.00	0.00	0.00	0	0.00
	19	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0	0.00
	20	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.00	0.00	0.00	0	0.00
	21	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00

```
      22  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      23  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      24  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      25  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00   0   0.00
      26  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00   0   0.00
      27  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00   0   0.00
      28  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   0   0.00
      29  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      30  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      31  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      32  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      33  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00   0   0.00
      34  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00   0   0.00
      35  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00   0   0.00
      36  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   0   0.00
      37  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      38  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      39  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      40  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   0   0.00
      41  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
 0.00  0.00  0.00   0   0.00
      42  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
 0.00  0.00  0.00   0   0.00
      43  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
 0.00  0.00  0.00   0   0.00
      44  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
 0.00  0.00  0.00   0   0.00
      45  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00   0   0.00
      46  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00   0   0.00
      47  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00   0   0.00
      48  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00   0   0.00
      49  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00   0   0.00
      50  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00   0   0.00
      51  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00   0   0.00
      52  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00   0   0.00
      53  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00   0   0.00
      54  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00   0   0.00
```

```
      55  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00   0   0.00
      56  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00   0   0.00
      57  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   1.00
      58  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   1.00
      59  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      60  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      61  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      62  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      63  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      64  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00   1   0.75
      65  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00   1   0.75
      66  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00   1   0.75
      67  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00   1   0.75
      68  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00   1   0.75

 AUXILIARY LOADS:
   No.  Aux  Aux         No.     Add_Load
   Aux   Id  Name        Load     Id   Coeff
    1     1  MIN_SNOW     2       1    1.00
                                  19    1.43

 ADDITIONAL LOADS:
  No.  Add  Surf Basic  Load      Fx      Fy     Mom      Dx      Dy  .. Conc
  Add  Id     Id  Type   Type      W1      W2      Co     Dl1     Dl2  .. Dist
  19    1     2  U_SNOW   D    -0.12   -0.12   0.125    0.00   34.10
        2     3  DEAD     C     0.00   -0.60    0.00    0.00   -6.83
        3     3  COLLAT   C     0.00   -2.10    0.00    0.00   -6.83
        4     3  LIVE     C     0.00   -5.30    0.00    0.00   -6.83
        5     3  SNOW     C     0.00   -0.90    0.00    0.00   -6.83
        6     3  DRIFT    C     0.00   -1.30    0.00    0.00   -6.83
        7     3  WINDR1   C     0.00   -4.00    0.00    0.00   -6.83
        8     3  WINDR2   C     0.00   -4.00    0.00    0.00   -6.83
        9     3  LWIND1   C     0.00   -3.90    0.00    0.00   -6.83
       10     3  LWIND2   C     0.00   -3.90    0.00    0.00   -6.83
       11     2  DRIFT    D    -0.06   -0.06   0.125    0.00   34.10
       12     3  DEAD     C     0.00   -0.38   -0.57    0.00    0.00
       13     3  LIVE     C     0.00   -1.52   -2.28    0.00    0.00
       14     3  SNOW     C     0.00   -0.27   -0.40    0.00    0.00
       15     3  WINDL1   C    -0.10    0.78    1.18    0.00    0.00
       16     3  WINDR1   C    -0.35    2.80    4.27    0.00    0.00
       17     3  WINDL2   C    -0.10    0.78    1.18    0.00    0.00
       18     3  WINDR2   C    -0.35    2.80    4.27    0.00    0.00
       19     3  U_SNOW   C     0.00   -0.27   -0.40    0.00    0.00

RIGID FRAME - 3:
---------------
 BASIC LOADS:
                                 Basic   Defl  Temperature
   Dead  Coll  Live  Snow  Rain   Wind  Ratio      Change
    4.8  10.0  20.0   3.5   0.0   26.5   0.43           0

 BASIC LOADS AT EAVE:
```

Seismic Load	--Torsion-- Wind	Seis	--EW Brace- Wind	Seis
0.19	0.00	0.00	0.00	0.00

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	---Wind_3-- Left	Right	---Wind_4-- Left	Right	Long_Wind 1	2	Surface Friction
1	-0.03	-0.93	1.07	0.17	0.00	0.00	0.00	0.00	-1.01	-1.01	0.00
2	-1.47	-1.02	-0.37	0.08	0.00	0.00	0.00	0.00	-1.41	-0.99	0.00
3	-0.93	-0.03	0.17	1.07	0.00	0.00	0.00	0.00	-1.01	-1.01	0.00

*(

*----------Load_Coefficients----------

*No.	Id	Dead	Coll	---Live--- Roof	Floor	-Add_Snow- Snow	Drift	Slide	Rain	--Wind_1-- Lt	Rt	--Wind_2-- Lt	Rt	--Wind_3-- Lt	Rt	--Wind_4-- Lt	Rt	Long_Wind 1	2	--Seismic- Long	Tran	Temp	Aux_Load Id	Coeff
65	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	6	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	7	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	8	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	9	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	10	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	11	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	16	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0	0.00
	18	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.00	0.00	0.00	0	0.00
	19	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0	0.00
	20	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.60	0.00	0.00	0	0.00
	21	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	22	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	23	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	24	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00

```
     25  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00   0   0.00
     26  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00   0   0.00
     27  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00   0   0.00
     28  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00   0   0.00
     29  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     30  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     31  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     32  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     33  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00   0   0.00
     34  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00   0   0.00
     35  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00   0   0.00
     36  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00   0   0.00
     37  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     38  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     39  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     40  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     41  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
0.00  0.00  0.00   0   0.00
     42  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
0.00  0.00  0.00   0   0.00
     43  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
0.00  0.00  0.00   0   0.00
     44  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
0.00  0.00  0.00   0   0.00
     45  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.70  0.00   0   0.00
     46  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00 -0.70  0.00   0   0.00
     47  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     48  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.52  0.00   0   0.00
     49  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00 -0.52  0.00   0   0.00
     50  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     51  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.70  0.00   0   0.00
     52  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00 -0.70  0.00   0   0.00
     53  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   0   0.00
     54  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   1   1.00
     55  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   1   1.00
     56  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   1   0.75
     57  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00   1   0.75
```

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      58  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      59  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      60  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      61  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      62  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00    1   0.75
      63  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00    1   0.75
      64  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00    1   0.75
      65  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00    1   0.75

AUXILIARY LOADS:
  No.  Aux  Aux         No.     Add_Load
  Aux   Id  Name        Load    Id   Coeff
   1     1  MIN_SNOW     2       1    1.00
                                18    1.43

ADDITIONAL LOADS:
 No.  Add  Surf Basic  Load      Fx      Fy     Mom      Dx      Dy  .. Conc
 Add  Id     Id  Type   Type      W1      W2      Co     D11     D12  .. Dist
 18    1      2  U_SNOW   D    -0.07   -0.07   0.125    0.00   34.10
       2      3  DEAD     C     0.00   -0.60    0.00    0.00   -6.83
       3      3  COLLAT   C     0.00   -2.10    0.00    0.00   -6.83
       4      3  LIVE     C     0.00   -5.30    0.00    0.00   -6.83
       5      3  SNOW     C     0.00   -0.90    0.00    0.00   -6.83
       6      3  DRIFT    C     0.00   -1.30    0.00    0.00   -6.83
       7      3  WINDR1   C     0.00   -4.00    0.00    0.00   -6.83
       8      3  WINDR2   C     0.00   -4.00    0.00    0.00   -6.83
       9      3  LWIND1   C     0.00   -3.90    0.00    0.00   -6.83
      10      3  LWIND2   C     0.00   -3.90    0.00    0.00   -6.83
      11      3  DEAD     C     0.00   -0.23   -0.34    0.00    0.00
      12      3  LIVE     C     0.00   -0.90   -1.35    0.00    0.00
      13      3  SNOW     C     0.00   -0.16   -0.24    0.00    0.00
      14      3  WINDL1   C    -0.07    0.56    0.85    0.00    0.00
      15      3  WINDR1   C    -0.24    1.93    2.94    0.00    0.00
      16      3  WINDL2   C    -0.07    0.56    0.85    0.00    0.00
      17      3  WINDR2   C    -0.24    1.93    2.94    0.00    0.00
      18      3  U_SNOW   C     0.00   -0.16   -0.24    0.00    0.00
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27766-2 Reactions, Anchor Bolts, & Base Plates:10/21/22 11:51am

Frame Line	Col Line	Foundation_Loads(k) Max_Pos_Val Id	Horz	Vert	Max_Neg_Val Id	Horz	Vert	Anc._Bolt No.	Diam	Base_Plate Width	Len	Thick
35	AB	14	0.6	0.0	15	-0.6	0.0	2	0.625	6.00	5.75	0.134
		16	0.6	0.1								
25	AA	1	3.5	2.3	2	-3.1	-1.0	4	0.750	8.00	24.00	0.500
		3	1.6	9.7	4	-1.5	-4.9					
25	BB	5	3.4	1.4	6	-2.4	12.1	4	0.750	8.00	24.00	0.500
		7	-1.2	18.0	4	-1.9	-2.7					
32*	AA	1	6.2	4.0	2	-5.4	-1.1	4	0.750	8.00	24.00	0.500
		8	2.1	15.0	4	-0.7	-6.9					
32*	BB	9	2.9	-6.6	10	-2.5	22.7	4	0.750	8.00	24.00	0.500
		7	-1.7	26.4	11	2.0	-8.2					
35	AA	1	4.1	2.6	2	-3.7	-1.5	4	0.750	8.00	24.00	0.500
		8	1.8	9.2	4	-1.1	-5.0					
35	BB	9	2.2	-3.5	10	-1.7	15.9	4	0.750	8.00	24.00	0.500
		7	-1.4	19.3	4	0.5	-4.3					

32* Frame Lines:32 34

LOAD COMBINATIONS:

Id	Combination
1	Dead+Collateral+0.6Wind_Right1
2	0.6Dead+0.6Wind_Left2
3	Dead+Collateral+Snow+Snow_Drift
4	0.6Dead+0.6Wind_Left1
5	0.6Dead+0.6Wind_Right2
6	Dead+Collateral+0.75Live+0.45Wind_Left1
7	Dead+Collateral+Live
8	Dead+Collateral+0.75Live+0.45Wind_Right2
9	0.6Dead+0.6Wind_Right1
10	Dead+Collateral+0.75Live+0.45Wind_Left2
11	0.6Dead+0.6Wind_Long1L
12	Dead+Collateral+0.75Snow+0.45Wind_Long2L+0.75Snow_Drift
13	Dead+Collateral+Snow/2+E2PAT_SL_2
14	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
15	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
16	Dead+Collateral+0.6Wind_Right2+0.6Wind_Suction

27766-2 Bracing Reactions Report: 10/21/22 11:51am

BUILDING BRACING REACTIONS:

Wall Loc	Wall Line	Col Line	Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear(lb/ft) Wind	Seismic	Notes
L_EW	25								(h)

F_SW BB 32 ,34 2.67 4.93 0.40 0.73 (b)

R_EW 35 (h)

B_SW AA 34 ,32 3.76 2.86 0.87 0.66

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

Reaction values shown are unfactored. Maximum load combination factors are:
Wind : 0.60
Seismic: 0.70

27766-2 Additional Reactions Report: 10/21/22 11:51am

Rigid Frame Column Reactions(k)

Frame Line	Col Line	----Dead--- Horz	Vert	Collateral Horz	Vert	----Live--- Horz	Vert	----Snow--- Horz	Vert	-Snow_Drift Horz	Vert
25	AA	0.2	1.8	0.3	2.1	0.6	4.2	0.1	0.7	0.9	5.1
25	BB	-0.2	2.8	-0.3	4.4	-0.6	10.8	-0.1	1.9	-0.9	6.6

Frame Line	Col Line	Wind_Left1 Horz	Vert	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert
25	AA	-2.8	-9.9	5.0	-2.6	-5.4	-3.4	2.3	3.9	2.2	-8.0
25	BB	-3.0	-7.3	3.2	-7.0	-0.4	-0.8	5.9	-0.5	-1.6	-4.7

Frame Line	Col Line	Wind_Long2 Horz	Vert	-Seis_Left- Horz	Vert	-Seis_Right Horz	Vert	-MIN_SNOW- Horz	Vert
25	AA	2.3	-6.0	-0.2	-0.2	0.2	0.2	0.2	1.1
25	BB	-2.4	-1.8	-0.1	0.2	0.1	-0.2	-0.2	1.3

Frame Line	Col Line	----Dead--- Horz	Vert	Collateral Horz	Vert	----Live--- Horz	Vert	----Snow--- Horz	Vert	-Snow_Drift Horz	Vert
32*	AA	0.3	2.8	0.5	4.1	0.9	8.0	0.2	1.4	0.1	0.9
32*	BB	-0.3	4.1	-0.5	6.5	-0.9	15.8	-0.2	2.7	-0.1	2.4

Frame Line	Col Line	Wind_Left1 Horz	Vert	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert
32*	AA	-1.5	-14.3	9.0	-4.9	-9.3	-4.6	1.3	4.8	6.9	-11.2
32*	BB	1.1	-14.3	5.0	-15.0	-2.2	0.7	1.8	0.0	3.7	-12.8

Frame Line	Col Line	Wind_Long2 Horz	Vert	-Seis_Left- Horz	Vert	-Seis_Right Horz	Vert	-MIN_SNOW- Horz	Vert
32*	AA	6.9	-8.2	-0.4	-0.4	0.4	0.4	0.3	2.0
32*	BB	2.9	-8.5	-0.2	0.4	0.2	-0.4	-0.3	2.6

Frame	Col	----Dead---	Collateral	----Live---	----Snow---	-Snow_Drift

Line Line		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
35	AA	0.2	1.9	0.4	2.5	0.7	4.8	0.1	0.8	0.0	0.0
35	BB	-0.2	2.9	-0.4	4.8	-0.7	11.6	-0.1	2.0	0.0	1.3

Frame Line	Col Line	Wind_Left1 Horz	Vert	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert
35	AA	-2.0	-10.3	5.7	-3.0	-6.4	-4.4	1.3	2.9	3.9	-7.7
35	BB	1.1	-10.1	3.8	-8.7	-1.1	-1.1	1.7	0.3	2.9	-7.4

Frame Line	Col Line	Wind_Long2 Horz	Vert	-Seis_Left- Horz	Vert	-Seis_Right Horz	Vert	-MIN_SNOW- Horz	Vert
35	AA	3.9	-5.4	-0.2	-0.3	0.2	0.3	0.2	1.2
35	BB	2.1	-4.0	-0.2	0.3	0.2	-0.3	-0.2	1.5

32* Frame Lines:32 34

Endwall Column Reactions(k)

Frame Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz
35	AB	0.1	-0.9	1.0

27766-2 Seismic Design Report: 10/21/22 11:51am

Building Data

```
Code                =IBC  15
Length              =   74.33
Width               =   33.83
Left  Eave Height   =   20.81
Right Eave Height   =   25.04
```

Seismic Formula

```
Base  Shear, V      = 0.667*Ie*Fa*Ss*W/R

              Vmin  = 0.044*Sds*Ie*W
              Vmax  = Sd1*Ie*W/(T*R)

T(Moment_Frame)     =   0.343
Shear Force, E      = Omega*Rho*V

T(Braced_Frame)     =   0.209

Note: Applied load is seismic force multiplied by load combination

Fa*Ss               =   0.161
Zone/Design Category=   B
Ie                  =   1.000
S1                  =   0.075
Sd1                 =   0.085
```

```
  Sds                 =    0.107

Seismic Dead Load, W
--------------------
  Frame     Dead      =     2.00 (psf  )
  Roof      Dead      =     4.80 (psf  )
  Collateral          =    10.00 (psf  )
  Roof      Total     =    16.80 (psf  )     , Weight=   43.96 (k )
  Left  EW Dead       =     2.00 (psf  )     , Weight=    0.78 (k )
  Front SW Dead       =     2.00 (psf  )     , Weight=    1.86 (k )
  Right EW Dead       =     2.00 (psf  )     , Weight=    0.78 (k )
  Back  SW Dead       =     2.00 (psf  )     , Weight=    1.55 (k )
  Extensions
    Front SW Total    =     5.00 (psf  )     , Weight=    1.16 (k )
                                                          -------
                                                Total =   50.08 (k )

Seismic Forces
--------------

  Roof Bracing
                R  =    3.25, Rho=    1.00, Omega=    1.00
                Cs =    0.0330
                W  =   45.51 (k )
          Force, V =    1.50 (k )
          Force, E =    1.50 (k )

  Sidewall Bracing
    Back        R  =    3.00, Rho=    1.00, Omega=    2.00
                Cs =    0.0358
                W  =   24.34 (k )
          Force, V =    0.87 (k )
          Force, E =    1.74 (k )

  Wind Bents
    Front       R  =    3.50, Rho=    1.00, Omega=    1.00
                Cs =    0.0306
                W  =   25.93 (k )
          Force, V =    0.79 (k )
          Force, E =    0.79 (k )

  Rigid Frames
                R  =    3.00, Rho=    1.00, Omega=    1.00
                Cs =    0.0358
    Frame  1    W  =    9.50 (k )
          Force, V =    0.34 (k )
          Force, E =    0.34 (k )
    Frame  2    W  =   16.76 (k )
          Force, V =    0.60 (k )
          Force, E =    0.60 (k )
    Frame  3    W  =   10.61 (k )
          Force, V =    0.38 (k )
          Force, E =    0.38 (k )

  End Plates
    Frame       R  =    3.00, Rho=    1.00, Omega=    3.00
    Wind Bent   R  =    3.50, Rho=    1.00, Omega=    3.00

  Total Base Shear
    Longitudinal
          Force, V =    1.66 (k )
    Transverse
          Force, V =    1.92 (k )
```

27766-2 Snow Drift - Adjacent Building: 10/21/22 11:51am

Terms & Formulas:

```
Snow Density,   (pcf  )   Y = 0.13*Pg + 14 <= 30
Height Difference,(ft)  hr = Taller height - Lower height
Height Balance,   (ft)  hb = Roof snow load/Y
Height Clear,     (ft)  hc = hr-hb
Horiz. Distance,  (ft) lu1 = upper roof, see code for minimum dist.
                  (ft) lu2 = lower roof, see code for minimum dist.
Drift Height,     (ft) hdL = [0.43*(lu1)^1/3*(Pg+10)^1/4]-1.5
                  (ft) hdW = 0.75*([0.43*(lu2)^1/3*(Pg+10)^1/4]-1.5)
Maximum Height,   (ft)  hd = larger of hdW and hdL
                            If hd>hc,  then use hd=hc
Drift Load,     (psf  )  Pd = hd*Y, If hd>hc, then use hd=hc
Drift Width,      (ft)  Wd = For hd<=hc, then 4*hd     , but <= 8*hc
                            For hd>hc,  then 4*hd^2/hc, but <= 8*hc
                            If Wd > lower roof distance, then use Wd = lower roof distance
```

Loading Data:

```
Snow Load,       Ps (psf  )=     3.5
Ground Snow,     Pg (psf  )=     5.0
Snow Density,     Y (pcf  )=    14.7
```

Layout:

Building Id	Load Id	Orient	Description
2	1	Long	Snow drift surface 2 from 27766-1

Results:

		---Leeward_Direction---			---Windward_Direction--				
Load Id	Height Diff (ft)	Horiz Dist (ft)	Drift Height (ft)	Drift Load (psf)	Horiz Dist (ft)	Drift Height (ft)	Drift Load (psf)	Max Load (psf)	Drift Width (ft)
1	12.96	211.33	3.54	51.86	74.33	1.54	22.61	51.86	14.16

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STRUCTURAL DESIGN CALCULATIONS
FOR
BEAR BROTHERS
220 MENDEL PARKWAY
MONTGOMERY, AL 36117

NEW BASE SUPPLY ANNEX
MONTGOMERY, AL 36108

27766-3

BUILDING LAYOUT

Width	(ft)=	23.5
Length	(ft)=	85.6
Eave Height	(ft)=	16.3/ 18.2
Roof Slope	(rise/12)=	1.00

BUILDING LOADS

Roof Dead Load	(psf)=	4.8
Wall Dead Load		
Left Endwall	(psf)=	2.0
Right Endwall	(psf)=	2.0
Front Sidewall	(psf)=	2.0
Back Sidewall	(psf)=	2.0
Live Load	(psf)=	20.0
Collateral Load	(psf)=	10.0
Snow Load	(psf)=	3.5
Minimum Snow	(psf)=	5.0
Wind Speed	(mph)=	116.0
Wind Code	=	IBC 15
Closed/Open	=	P
Exposure	=	C
Internal Wind Coeff	=	-0.55, +0.55
Importance - Wind	=	1.00
Importance - Seismic	=	1.00
Seismic Design Category	=	B
Seismic Coeff (Fa*Ss)	=	0.16

Designer : ZJM
Detailer : XXX

10/12/22

ALABAMA LICENSED No. 32023 PROFESSIONAL ENGINEER VANESSA LYNN BANKS

10/26/22

27766-3 Design Loads For Building Components: 10/12/22 10:04am

FRONT SIDEWALL:

BASIC LOADS:

Basic Wind	Wind_Load_Ratio Deflect	Factor
25.3	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
3.00	0.00	3.00	0.00	1.05	1.17	1.05

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Long	
32.6	-34.9		.. Girt/Header
36.6	-38.9		.. Panel
31.4	-33.7		.. Jamb
0.0	0.0		.. Parapet

BACK SIDEWALL:

BASIC LOADS:

Basic Wind	Wind_Load_Ratio Deflect	Factor
25.3	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
3.00	0.00	3.00	0.00	1.05	1.17	1.05

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Long	
32.6	-34.9		.. Girt/Header
36.6	-38.9		.. Panel
31.4	-33.7		.. Jamb
0.0	0.0		.. Parapet

LEFT ENDWALL:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Factor
4.8	10.0	20.0	3.5	0.0	25.3	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
3.00	0.00	3.00	0.00	1.05	1.17	1.05

BASIC LOADS AT EAVE:

Seis Dead	Seis Girt	Seis Load	---Torsion--- Wind	Seismic

2.00 0.00 0.42 0.00 0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	
0.0	0.0	.. Column
0.0	0.0	.. Girt/Header
0.0	0.0	.. Jamb
0.0	0.0	.. Panel
45.3	-37.3	.. Parapet
37.9	-25.3	.. Transverse bracing, Facia/Parapet

WIND COEFFICIENTS:

Surf	---Wind_1--		---Wind_2--		-Long_Wind-		Surface
Id	Left	Right	Left	Right	1	2	Friction
1	0.00	-0.94	1.10	0.16	-1.02	-1.02	0.00
2	-1.51	-1.03	-0.41	0.07	-1.51	-1.03	0.00
3	-0.96	0.00	0.16	1.10	-1.02	-1.02	0.00

COLUMN, RAFTER & BRACING DESIGN LOADS:

Load			---Live---		--Add_Snow-				Wind_1		Wind_2		Long_Wind		Column_Wind		Long	Tran	Aux_Load	
No.	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Left	Right	Left	Right	1	2	Press	Suct	Seis	Seis	Id	Coef
48	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	6	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
	8	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
	9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	10	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	13	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	14	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	15	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
	16	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
	17	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	18	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	19	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
	20	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
	21	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
	22	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
	23	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	24	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	25	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	26	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	27	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
	28	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
	29	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
	30	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	0	0.00
	31	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
	32	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
	33	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.00
	34	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	35	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	36	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	37	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	1	0.75
	38	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	1	0.75
	39	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	40	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	41	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	42	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	43	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
	44	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75

45	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
46	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
47	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
48	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Coeff
1	1	MIN_SNOW	2	1	1.00
				11	1.43

ADDITIONAL LOADS:

No. Add	Add Id	Loc Id	Basic Load	Load Type	Fx W1	Fy W2	Mom Co	X D11	Y D12	.. Conc .. Dist
11	1	2	U_SNOW	D	-0.03	-0.03	0.08	0.00	23.58	
	2	2	DRIFT	D	-0.07	-0.07	0.08	0.00	23.58	
	3	2	DRIFT	D	0.00	-0.34	0.08	9.37	23.58	
	4	2	DEAD	C	0.00	-0.10	0.15	0.00	0.00	
	5	2	LIVE	C	0.00	-0.39	0.58	0.00	0.00	
	6	2	SNOW	C	0.00	-0.07	0.10	0.00	0.00	
	7	2	WINDL1	C	-0.07	0.81	-1.23	0.00	0.00	
	8	2	WINDL2	C	-0.07	0.81	-1.23	0.00	0.00	
	9	2	WINDR1	C	-0.02	0.24	-0.36	0.00	0.00	
	10	2	WINDR2	C	-0.02	0.24	-0.36	0.00	0.00	
	11	2	U_SNOW	C	0.00	-0.07	0.10	0.00	0.00	

RIGHT ENDWALL:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Factor
4.8	10.0	20.0	3.5	0.0	25.3	0.43	0.60

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
3.00	0.00	3.00	0.00	1.05	1.17	1.05

BASIC LOADS AT EAVE:

Seis Dead	Seis Girt	Seis Load	---Torsion--- Wind	Seismic
2.00	0.00	0.00	0.00	0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	
0.0	0.0	.. Column
0.0	0.0	.. Girt/Header
0.0	0.0	.. Jamb
0.0	0.0	.. Panel
45.3	-37.3	.. Parapet
37.9	-25.3	.. Transverse bracing, Facia/Parapet

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	-Long_Wind- 1	2	Surface Friction
1	-0.08	-1.01	1.02	0.22	-1.01	-1.01	0.00
2	-0.97	-1.36	0.13	-0.26	-1.36	-0.97	0.00
3	-0.88	-0.10	0.22	1.02	-1.01	-1.01	0.00

COLUMN, RAFTER & BRACING DESIGN LOADS:

Load No.	Id	Dead	---Live--- Coll	Roof	Floor	--Add_Snow- Snow	Drift	Slide	Rain	Wind_1 Left	Right	Wind_2 Left	Right	Long_Wind 1	2	Column_Wind Press	Suct	Long Seis	Tran Seis	Aux_Load Id	Coef
48	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00

2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
3	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
4	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
5	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
6	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
8	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
10	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
13	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
14	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
15	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
16	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
17	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
18	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
19	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
20	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00
21	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0	0.00
22	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0	0.00
23	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
24	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
25	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
26	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
27	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
28	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
29	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
30	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	0	0.00
31	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
32	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0	0.00
33	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	1.00
34	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
35	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
36	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
37	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	1	0.75
38	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	1	0.75
39	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
40	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
41	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
42	1.00	1.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
43	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
44	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.75
45	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
46	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
47	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0	0.00
48	1.00	1.00	0.00	0.00	0.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0	0.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Add_Load Coeff
1	1	MIN_SNOW	2	1	1.00
				10	1.43

ADDITIONAL LOADS:

No. Add	Add Id	Loc Id	Basic Load	Load Type	Fx W1	Fy W2	Mom Co	X Dl1	Y Dl2	.. Conc .. Dist
10	1	2	U_SNOW	D	-0.09	-0.09	-0.08	0.00	23.58	
	2	2	DRIFT	D	-0.91	0.00	-0.08	0.00	14.21	
	3	2	DEAD	C	0.00	-0.26	-0.39	23.50	-1.96	
	4	2	LIVE	C	0.00	-1.04	-1.56	23.50	-1.96	
	5	2	SNOW	C	0.00	-0.18	-0.27	23.50	-1.96	
	6	2	WINDL1	C	0.05	0.55	0.83	23.50	-1.96	
	7	2	WINDL2	C	0.05	0.55	0.83	23.50	-1.96	
	8	2	WINDR1	C	0.17	1.98	2.99	23.50	-1.96	
	9	2	WINDR2	C	0.17	1.98	2.99	23.50	-1.96	

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      10    2   U_SNOW  C     0.00   -0.18 -0.27  23.50  -1.96

ROOFDES:
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 BASIC LOADS:
  Dead  Coll  Live  Snow  Rain  Basic  Wind_Load_Ratio  Surface   Seis    %
  Load  Load  Load  Load  Load   Wind  Deflect  Factor Friction  Factor Snow
   4.8  10.0  20.0   3.5   0.0   25.3     0.43    0.00     0.00   1.000  0.00

 WIND PRESSURE/SUCTION:
    Wind   Wind    Wind
   Press   Suct   Suct_Roof
    18.9  -41.7              .. Purlins
    21.5  -41.7              .. Panels
    10.1   -7.3   -17.4       .. Long Bracing, Building
    15.4  -10.9              .. Long Bracing, Wall Edge Zone
    37.9  -25.3    20.2       .. Long Bracing, Facia/Parapet

 EDGE & CORNER ZONE WIND:
 Wind Surf  No. Zone                 --Purlin---  ---Panel---
  Id   Id  Zone  Id   Width  Length  Press  Suct  Press  Suct
   1    2    2    1    0.00    0.00   1.00  1.00   1.00  1.00
                  8    2.99    6.00   1.00  1.06   1.00  1.42

 EDGE & CORNER ZONE WIND: LONGITUDINAL
 Wind Surf  No. Zone                 Purlin
  Id   Id  Zone  Id   Width  Length   Suct
   1    2    1    1    0.00    0.00   1.00
   2    2    1    1    0.00    0.00   1.00

 EXTENSION EDGE ZONE WIND:
   Ext  Zone          ---Purlin--  ---Panel---
    Id   Id   Length  Press  Suct  Press  Suct
     1    1    73.58   1.00  1.00   1.00  1.00
     1    2     6.00   1.00  0.50   1.00  1.65
     1    3     6.00   1.00  0.50   1.00  1.65

 PURLIN DESIGN LOADS:
   Surf  --Load-                          --Add_Snow-          Wind  Wind  Aux_Load
    Id    No.  Id  Dead  Coll  Live Snow Drift Slide Rain  Press  Suct  Id  Coef
     2    15   1  1.00  1.00  1.00 0.00  0.00  0.00 0.00   0.00  0.00   0  0.00
              2  1.00  1.00  0.00 1.00  0.00  0.00 0.00   0.00  0.00   0  0.00
              3  1.00  1.00  0.00 1.00  1.00  0.00 0.00   0.00  0.00   0  0.00
              4  1.00  1.00  0.00 0.00  0.00  0.00 0.00   0.60  0.00   0  0.00
              5  1.00  1.00  0.75 0.00  0.00  0.00 0.00   0.45  0.00   0  0.00
              6  1.00  1.00  0.00 0.75  0.00  0.00 0.00   0.45  0.00   0  0.00
              7  0.60  0.00  0.00 0.00  0.00  0.00 0.00   0.00  0.60   0  0.00
              8  1.00  1.00  0.00 0.01  0.00  0.00 0.00   0.00  0.00   1  1.00
              9  1.00  1.00  0.00 0.01  0.00  0.00 0.00   0.45  0.00   1  0.75
             10  1.00  1.00  0.00 0.50  0.00  0.00 0.00   0.00  0.00   4  1.00
             11  1.00  1.00  0.00 0.50  0.00  0.00 0.00   0.00  0.00   5  1.00
             12  1.00  1.00  0.00 0.50  0.00  0.00 0.00   0.00  0.00   2  1.00
             13  1.00  1.00  0.00 0.50  0.00  0.00 0.00   0.00  0.00   3  1.00
             14  1.00  1.00  0.00 1.00  0.00  0.00 0.00   0.00  0.00   2 -1.00
             15  1.00  1.00  0.00 1.00  0.00  0.00 0.00   0.00  0.00   3 -1.00

 BRACING DESIGN LOADS:
   --Load-                          --Add_Snow-          Wind  Wind  Seis  Aux_Load
   No.  Id  Dead  Coll  Live Snow Drift Slide Rain  Press  Suct  Load  Id  Coef
    17   1  1.00  1.00  1.00 0.00  0.00  0.00 0.00   0.00  0.00  0.00   0  0.00
         2  1.00  1.00  0.00 1.00  0.00  0.00 0.00   0.00  0.00  0.00   0  0.00
         3  1.00  1.00  0.00 1.00  1.00  0.00 0.00   0.00  0.00  0.00   0  0.00
         4  1.00  1.00  0.00 0.00  0.00  0.00 0.00   0.00  0.60  0.00   0  0.00
         5  1.00  1.00  0.00 0.00  0.00  0.00 0.00   0.00  0.00  0.00   0  0.00
         6  1.00  1.00  0.75 0.00  0.00  0.00 0.00   0.00  0.45  0.00   0  0.00
```

7	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
8	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
9	1.00	1.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
10	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0	0.00
11	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
12	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
13	1.00	1.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0	0.00
14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
15	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00
16	1.01	1.01	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.52	0	0.00
17	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0	0.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Add_Load Coef
5	1	MIN_SNOW	1	1	1.00
	2	PAT_SL_1	1	2	0.50
	3	PAT_SL_2	1	4	0.50
	4	PAT_SL_3	2	2	0.50
				3	0.50
	5	PAT_SL_4	2	3	0.50
				4	0.50

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Load	Load Type	Fy W1	W2	Dx Dx1	Dx2	.. Conc .. Dist
6	1	2	U_SNOW	D	-5.0	-5.0	0.0	23.6	
	2	0	U_SNOW	D	-3.5	-3.5	0.0	12.9	
	3	0	U_SNOW	D	-3.5	-3.5	12.9	50.9	
	4	0	U_SNOW	D	-3.5	-3.5	50.9	85.6	
	5	2	DRIFT	D	-24.5	0.0	0.0	6.7	
	6	2	DRIFT	D	0.0	-51.9	9.4	23.6	

RIGID FRAME - 1:

BASIC LOADS:

Dead	Coll	Live	Snow	Rain	Basic Wind	Defl Ratio	Temperature Change
4.8	10.0	20.0	3.5	0.0	25.3	0.43	0

BASIC LOADS AT EAVE:

Seismic Load	--Torsion-- Wind	Seis	--EW_Brace- Wind	Seis
0.29	1.19	0.38	0.00	0.00

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	---Wind_3-- Left	Right	---Wind_4-- Left	Right	Long_Wind 1	2	Surface Friction
1	-0.15	-0.84	0.95	0.26	0.00	0.00	0.00	0.00	-1.00	-1.00	0.00
2	-1.24	-0.92	-0.14	0.18	0.00	0.00	0.00	0.00	-1.24	-0.92	0.00

*(

*----------Load_Coefficients----------

*No.	Id	Dead	Coll	---Live--- Roof	Floor	-Add_Snow- Snow	Drift	Slide	Rain	--Wind_1-- Lt	Rt	--Wind_2-- Lt	Rt	--Wind_3-- Lt	Rt	--Wind_4-- Lt	Rt	Long_Wind 1	2	--Seismic- Long	Tran	Temp	Aux_Load Id	Coeff
68	1	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00

```
      5  1.00 1.00  0.00  0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
      6  1.00 1.00  0.00  0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
      7  1.00 1.00  0.00  0.00  1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
      8  1.00 1.00  0.00  0.00  1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
      9  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     10  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     11  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     12  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     13  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     14  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     15  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     16  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     17  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
0.00  0.00  0.00    0   0.00
     18  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
0.00  0.00  0.00    0   0.00
     19  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
0.00  0.00  0.00    0   0.00
     20  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
0.00  0.00  0.00    0   0.00
     21  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     22  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     23  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     24  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     25  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00    0   0.00
     26  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00    0   0.00
     27  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00    0   0.00
     28  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00    0   0.00
     29  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     30  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     31  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     32  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     33  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00    0   0.00
     34  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00    0   0.00
     35  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00    0   0.00
     36  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00    0   0.00
     37  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
```

```
      38  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    0   0.00
      39  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    0   0.00
      40  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    0   0.00
      41  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
 0.00  0.00  0.00    0   0.00
      42  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
 0.00  0.00  0.00    0   0.00
      43  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
 0.00  0.00  0.00    0   0.00
      44  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
 0.00  0.00  0.00    0   0.00
      45  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00    0   0.00
      46  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00    0   0.00
      47  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00    0   0.00
      48  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00    0   0.00
      49  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.52  0.00    0   0.00
      50  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.52  0.00    0   0.00
      51  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.52  0.00  0.00    0   0.00
      52  1.01 1.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.52  0.00  0.00    0   0.00
      53  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.70  0.00    0   0.00
      54  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00 -0.70  0.00    0   0.00
      55  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.70  0.00  0.00    0   0.00
      56  0.58 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-0.70  0.00  0.00    0   0.00
      57  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   1.00
      58  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   1.00
      59  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      60  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      61  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      62  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      63  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      64  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00    1   0.75
      65  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
 0.00  0.00  0.00    1   0.75
      66  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
 0.00  0.00  0.00    1   0.75
      67  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
 0.00  0.00  0.00    1   0.75
      68  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
 0.00  0.00  0.00    1   0.75

AUXILIARY LOADS:
  No.  Aux  Aux         No.      Add_Load
  Aux   Id  Name        Load     Id   Coeff
```

```
    1      1  MIN_SNOW      2       1     1.00
                                    11     1.43

 ADDITIONAL LOADS:
  No.   Add   Surf Basic   Load       Fx      Fy      Mom      Dx      Dy   .. Conc
  Add   Id      Id  Type    Type       W1      W2       Co     Dl1     Dl2   .. Dist
  11     1       2  U_SNOW    D     -0.18   -0.18   0.083    0.00   23.58
         2       2  DRIFT     D     -0.02   -0.02   0.083    0.00   23.58
         3       2  DRIFT     D      0.00   -1.85   0.083    9.37   23.58
         4       1  DEAD      C      0.00   -0.55    0.82    0.00   16.25
         5       1  LIVE      C      0.00   -2.18    3.27    0.00   16.25
         6       1  SNOW      C      0.00   -0.38    0.57    0.00   16.25
         7       1  WINDL1    C     -0.32    3.83   -5.78    0.00   16.25
         8       1  WINDR1    C     -0.09    1.02   -1.54    0.00   16.25
         9       1  WINDL2    C     -0.32    3.83   -5.78    0.00   16.25
        10       1  WINDR2    C     -0.09    1.02   -1.54    0.00   16.25
        11       1  U_SNOW    C      0.00   -0.38    0.57    0.00   16.25

RIGID FRAME - 2:
---------------
 BASIC LOADS:
                                    Basic    Defl  Temperature
    Dead   Coll   Live   Snow   Rain   Wind   Ratio      Change
     4.8   10.0   20.0    3.5    0.0   25.3    0.43           0

 BASIC LOADS AT EAVE:
 Seismic   --Torsion--    --EW_Brace-
   Load    Wind    Seis   Wind    Seis
   0.15    0.00    0.00   0.00    0.00

 WIND COEFFICIENTS:
 Surf    ---Wind_1--    ---Wind_2--    ---Wind_3--    ---Wind_4--      Long_Wind  Surface
  Id     Left   Right   Left   Right   Left   Right   Left   Right       1      2  Friction
   1    -0.08   -0.88   1.02    0.22   0.00    0.00   0.00    0.00   -1.02  -1.02     0.00
   2    -1.36   -0.97  -0.26    0.13   0.00    0.00   0.00    0.00   -1.51  -1.03     0.00

*(
*          ----------------------------------------------Load_Coefficients-----------------------------------
------------------
*                     ---Live---         -Add_Snow-         --Wind_1--  --Wind_2--  --Wind_3--  --Wind_4--   Long_Wind
  --Seismic-          Aux_Load
*No.    Id  Dead Coll   Roof Floor   Snow Drift Slide  Rain     Lt     Rt     Lt     Rt     Lt     Rt     Lt     Rt      1      2
  Long  Tran  Temp  Id  Coeff
  65     1  1.00 1.00  1.00  0.00   0.00  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
         2  1.00 1.00  1.00  0.00   0.00  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
         3  1.00 1.00  0.00  0.00   0.00  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
         4  1.00 1.00  0.00  0.00   0.00  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
         5  1.00 1.00  0.00  0.00   1.00  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
         6  1.00 1.00  0.00  0.00   1.00  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
         7  1.00 1.00  0.00  0.00   1.00  1.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
         8  1.00 1.00  0.00  0.00   1.00  1.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
         9  1.00 1.00  0.75  0.00   0.00  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
        10  1.00 1.00  0.75  0.00   0.00  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
        11  1.00 1.00  0.00  0.00   0.75  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
        12  1.00 1.00  0.00  0.00   0.75  0.00  0.00  0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00
  0.00  0.00  0.00   0   0.00
```

```
     13  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     14  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     15  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     16  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     17  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
0.00  0.00  0.00    0   0.00
     18  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
0.00  0.00  0.00    0   0.00
     19  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
0.00  0.00  0.00    0   0.00
     20  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
0.00  0.00  0.00    0   0.00
     21  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     22  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     23  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     24  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     25  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00    0   0.00
     26  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00    0   0.00
     27  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00    0   0.00
     28  1.00 1.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00    0   0.00
     29  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     30  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     31  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     32  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     33  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45  0.00
0.00  0.00  0.00    0   0.00
     34  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45  0.00
0.00  0.00  0.00    0   0.00
     35  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.45
0.00  0.00  0.00    0   0.00
     36  1.00 1.00  0.00  0.00  0.75  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.45
0.00  0.00  0.00    0   0.00
     37  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     38  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     39  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     40  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00    0   0.00
     41  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60  0.00
0.00  0.00  0.00    0   0.00
     42  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60  0.00
0.00  0.00  0.00    0   0.00
     43  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.60
0.00  0.00  0.00    0   0.00
     44  0.60 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -0.60
0.00  0.00  0.00    0   0.00
     45  1.02 1.02  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.70  0.00    0   0.00
```

46	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-0.70	0.00	0	0.00																		
47	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0	0.00																		
48	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0	0.00																		
49	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	-0.52	0.00	0	0.00																	
50	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00																	
51	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.70	0.00	0	0.00																	
52	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	-0.70	0.00	0	0.00																	
53	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00																	
54	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	1.00																	
55	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	1.00																	
56	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																	
57	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																	
58	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																	
59	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																	
60	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																	
61	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	0.75																	
62	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00
0.00	0.00	0.00	1	0.75																	
63	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45	0.00	0.00
0.00	0.00	0.00	1	0.75																	
64	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
0.00	0.00	0.00	1	0.75																	
65	1.00	1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.45
0.00	0.00	0.00	1	0.75																	

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Coeff
1	1	MIN_SNOW	2	1	1.00
				10	1.43

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Type	Load Type	Fx W1	Fy W2	Mom Co	Dx Dl1	Dy Dl2	.. Conc .. Dist
10	1	2	U_SNOW	D	-0.09	-0.09	0.083	0.00	23.58	
	2	2	DRIFT	D	0.00	-0.91	0.083	9.37	23.58	
	3	1	DEAD	C	0.00	-0.27	0.40	0.00	16.25	
	4	1	LIVE	C	0.00	-1.06	1.59	0.00	16.25	
	5	1	SNOW	C	0.00	-0.19	0.28	0.00	16.25	
	6	1	WINDL1	C	-0.17	2.02	-3.05	0.00	16.25	
	7	1	WINDR1	C	-0.05	0.56	-0.85	0.00	16.25	
	8	1	WINDL2	C	-0.17	2.02	-3.05	0.00	16.25	
	9	1	WINDR2	C	-0.05	0.56	-0.85	0.00	16.25	
	10	1	U_SNOW	C	0.00	-0.19	0.28	0.00	16.25	

27766-3 Reactions, Anchor Bolts, & Base Plates:10/12/22 10:04am

Frame Line	Col Line	Foundation Loads (k) Max_Pos_Val Id	Horz	Vert	Max_Neg_Val Id	Horz	Vert	Anc. Bolt No.	Diam	Base Plate Width	Len	Thick
BB	31	4	0.0	-1.9	4	0.0	-1.9	4	0.625	6.00	8.00	0.500
		3	0.0	3.4								
BB	25	4	0.0	-1.4	4	0.0	-1.4	4	0.625	6.00	8.00	0.500
		7	0.0	4.4								
F*	31	1	3.9	1.0	2	-3.5	-0.9	4	0.750	8.00	10.25	0.500
		3	0.0	18.4	4	0.7	-8.6					
O	31	1	2.0	0.4	2	-1.9	-0.8	4	0.750	8.00	10.25	0.500
		3	0.0	9.2	4	0.2	-4.6					

F* Frame Lines:F J

LOAD COMBINATIONS:

Id	Combination
1	Dead+Collateral+0.6Wind_Long2R
2	0.6Dead+0.6Wind_Left2
3	Dead+Collateral+Live
4	0.6Dead+0.6Wind_Left1
5	0.6Dead+0.6Wind_Long2R
6	Dead+Collateral+0.6Wind_Left2
7	Dead+Collateral+Snow+Snow_Drift
8	0.6Dead+0.6Wind_Long1R
9	Dead+Collateral+0.75Snow+0.45Wind_Long2L+0.75Snow_Drift

27766-3 Bracing Reactions Report: 10/12/22 10:04am

BUILDING BRACING REACTIONS:

Wall Loc	Wall Line	Col Line	Reactions (k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seismic	Notes
L_EW	BB						69.67	8.27	
F_SW	25								(f)
R_EW	O								(h)
B_SW	31	Torsional Bracing Used!							

(f)Bracing loads are applied to adjacent building
(h)Rigid frame at endwall

Reaction values shown are unfactored. Maximum load combination factors are:
Wind : 0.60
Seismic: 0.70

27766-3 Additional Reactions Report: 10/12/22 10:04am

Rigid Frame Column Reactions(k)

Frame Line	Col Line	----Dead--- Horz	Vert	Collateral Horz	Vert	----Live--- Horz	Vert	----Snow--- Horz	Vert	-Snow_Drift Horz	Vert
F*	31	0.0	3.2	0.1	4.3	-0.1	10.8	0.0	1.9	0.1	2.9

Frame Line	Col Line	Wind_Left1 Horz	Vert	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert
F*	31	1.2	-17.6	5.5	-11.7	-5.8	-4.7	-1.5	1.1	6.3	-14.3

Frame Line	Col Line	Wind_Long2 Horz	Vert	-Seis_Left- Horz	Vert	-Seis_Right Horz	Vert	-Seis_Long- Horz	Vert	-MIN_SNOW- Horz	Vert
F*	31	6.4	-10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7

Frame Line	Col Line	----Dead--- Horz	Vert	Collateral Horz	Vert	----Live--- Horz	Vert	----Snow--- Horz	Vert	-Snow_Drift Horz	Vert
O	31	0.0	1.8	0.0	2.1	0.0	5.3	0.0	0.9	0.0	1.3

Frame Line	Col Line	Wind_Left1 Horz	Vert	Wind_Right1 Horz	Vert	Wind_Left2 Horz	Vert	Wind_Right2 Horz	Vert	Wind_Long1 Horz	Vert
O	31	0.3	-9.4	2.8	-6.1	-3.1	-3.1	-0.6	0.2	3.1	-8.5

Frame Line	Col Line	Wind_Long2 Horz	Vert	-Seis_Left- Horz	Vert	-Seis_Right Horz	Vert	-MIN_SNOW- Horz	Vert
O	31	3.2	-5.9	0.0	0.0	0.0	0.0	0.0	1.3

F* Frame Lines:F J

Endwall Column Reactions(k)

Frame Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Snow Drift Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert
BB	31	0.6	0.8	2.0	0.3	1.3	-3.9	-2.3	-1.6
BB	25	0.5	0.8	1.5	0.3	2.8	-2.9	-2.0	-0.9

Frame Line	Col Line	Wind Long1 Vert	Wind Long2 Vert	--MIN_SNOW-- Horz	Vert
BB	31	-3.1	-2.1	0.0	0.5
BB	25	-2.9	-1.9	0.0	0.4

27766-3 Seismic Design Report: 10/12/22 10:04am

Building Data

Code	=IBC 15	
Length	=	85.58
Width	=	23.50
Left Eave Height	=	16.25
Right Eave Height	=	18.21

Seismic Formula

Base Shear, V	=	0.667*Ie*Fa*Ss*W/R
Vmin	=	0.044*Sds*Ie*W
Vmax	=	Sd1*Ie*W/(T*R)
T(Moment_Frame)	=	0.271
Shear Force, E	=	Omega*Rho*V
T(Braced_Frame)	=	0.168

Note: Applied load is seismic force multiplied by load combination

Fa*Ss	=	0.161
Zone/Design Category	=	B
Ie	=	1.000
S1	=	0.075
Sd1	=	0.085
Sds	=	0.107

Seismic Dead Load, W

Frame Dead	=	2.00 (psf)		
Roof Dead	=	4.80 (psf)		
Collateral	=	10.00 (psf)		
Roof Total	=	16.80 (psf)	, Weight=	33.79 (k)
Left EW Dead	=	2.00 (psf)	, Weight=	0.40 (k)
Front SW Dead	=	2.00 (psf)	, Weight=	1.56 (k)
Right EW Dead	=	2.00 (psf)	, Weight=	0.40 (k)
Back SW Dead	=	2.00 (psf)	, Weight=	1.39 (k)
Extensions				
Back SW Total	=	5.00 (psf)	, Weight=	1.28 (k)
			Total =	38.83 (k)

Seismic Forces

Roof Bracing

R	=	3.25, Rho= 1.00, Omega=	1.00
Cs	=	0.0330	
W	=	34.60 (k)	
Force, V	=	1.14 (k)	
Force, E	=	1.14 (k)	

Endwall Panel

Left

R	=	6.50, Rho= 1.00, Omega=	3.00
Cs	=	0.0165	
W	=	8.51 (k)	
Force, V	=	0.14 (k)	
Force, E	=	0.42 (k)	

```
Rigid Frames
                R  =   3.00, Rho=   1.00, Omega=   1.00
                Cs =   0.0358
  Frame  1      W  =  16.20 (k )
         Force, V  =   0.58 (k )
         Force, E  =   0.58 (k )
  Frame  2      W  =   8.38 (k )
         Force, V  =   0.30 (k )
         Force, E  =   0.30 (k )

End Plates
  Frame         R  =   3.00, Rho=   1.00, Omega=   3.00

Total Base Shear
  Longitudinal
         Force, V  =   0.00 (k )
  Transverse
         Force, V  =   1.60 (k )
```

27766-3 Snow Drift - Adjacent Building: 10/12/22 10:04am

Terms & Formulas:

```
Snow Density,   (pcf  )   Y = 0.13*Pg + 14 <= 30
Height Difference,(ft)  hr = Taller height - Lower height
Height Balance,   (ft)  hb = Roof snow load/Y
Height Clear,     (ft)  hc = hr-hb
Horiz. Distance,  (ft) lu1 = upper roof, see code for minimum dist.
                  (ft) lu2 = lower roof, see code for minimum dist.
Drift Height,     (ft) hdL = [0.43*(lu1)^1/3*(Pg+10)^1/4]-1.5
                  (ft) hdW = 0.75*([0.43*(lu2)^1/3*(Pg+10)^1/4]-1.5)
Maximum Height,   (ft)  hd = larger of hdW and hdL
                             If hd>hc,  then use hd=hc
Drift Load,    (psf  )  Pd = hd*Y, If hd>hc, then use hd=hc
Drift Width,      (ft)  Wd = For hd<=hc, then 4*hd     , but <= 8*hc
                             For hd>hc,  then 4*hd^2/hc, but <= 8*hc
                             If Wd > lower roof distance, then use Wd = lower roof distance
```

Loading Data:

```
Snow Load,       Ps (psf  )=     3.5
Ground Snow,     Pg (psf  )=     5.0
Snow Density,     Y (pcf  )=    14.7
```

Layout:

Building Id	Load Id	Orient	Description
3	1	Long	Snow drift surface 2 from 27766-2
3	2	Trans	Snow drift surface 2 from 27766-1

Results:

		---Leeward Direction---			---Windward Direction---				
Load Id	Height Diff (ft)	Horiz Dist (ft)	Drift Height (ft)	Drift Load (psf)	Horiz Dist (ft)	Drift Height (ft)	Drift Load (psf)	Max Load (psf)	Drift Width (ft)
1	7.81	33.83	1.24	18.12	85.58	1.67	24.49	24.49	6.69

2	19.50	211.33	3.54	51.86	23.50	0.69	10.15	51.86	14.16