

CITY OF DE PERE

APPLICATION FOR SITE PLAN REVIEW

Fee:

\$ 350.00

Receipt #:

79475

Date:

2/16/2003

Read all instructions provided before	re completing.	If addition	al space is needed	, attach addit	tional pages. Ty	pe or use black ink.					
SECTION 1: Applicant / Permitted											
Applicant Name (Ind., Org. or Entity	/)	Authorized	Representative		Title						
DRECISION INDUSTRIAC	CONTINCIONS	Entc	SIMENSEW		PRESTIDEN	, [
Mailing Address		City		A	State Wa_	ZIP Code					
1555 DOWN PIVER DR	1 14	Wood	and		Wa.	98674					
Email Address		Phone Nur	mber (incl. area code	e)	Fax Number (in	cl. area code)					
ericapicateam.com				1 0.0							
SECTION 2: Landowner Informati	ion (complete t	these fields	s when project site	owner is dif	ferent than appl	icant)					
Name (Ind. Org. or Entity)		Contact Pe			Title						
SUSTANA FIBERS		KEUIN	RICHANDS		PRESTOEN	٢					
Mailing Address		City			State	ZIP Code 54115					
1751 W. MATHEW D	n.	DE	PERE		Wi	54115					
Email Address		Phone Nur	nber (incl. area code	e)	Fax Number (in	cl. area code)					
Krichard EsusTANAG	noup. con				я						
SECTION 3: Project or Site Locati	ion										
Project Address/Description	_	Parcel No.									
1751 W MATHEW		WD-364-0-526									
SECTION 4: Project Information											
Existing Zoning:	BUSTNESS	IND	ustrial		9	, july 1 F					
Present Use of Parcel:	esent Use of Parcel: Bust NESS/ INDUSTRIAL					¥					
Proposed Use of Parcel:	Existing Zoning: BUST NESS INDUSTRIAL Present Use of Parcel: BUST NESS INDUSTRIAL Proposed Use of Parcel: BUST NESS INDUSTRIAL Estimated Start Date: 3/1/23 Estimated Completion Date: 8/1/23										
Estimated Start Date:	3/1/23"	,	Estimated Co	ompletion Dat	e: 8/1/7	· }					
Please submit 1 hard copy 24x36, 1 hard copy 11x17 and 1 PDF copy of the submittal.											
SECTION 5: Certification and Per	mission										
Certification: I hereby certify that I am the owner or authorized representative of the owner of the property which is the subject of this Permit Application. I certify that the information contained in this form and attachments is true and accurate. I certify that the project will be in compliance with all permit conditions. I understand that failure to comply with any or all of the provisions of the permit may result in permit revocation and a fine and/or forfeiture under the provisions of applicable laws.											
Permission: I hereby give the City permission to enter and inspect the property at reasonable times, to evaluate this notice and application, and to determine compliance with any resulting permit coverage.											
Name of Owner/Authorized Represe	100	Phone Number									
ENIC SIMENSEN	PIC	360-904-976>									
Signature of Applicant	Date Signed										
	1	2/16/23									
					. ,						

TO BE COMPLETED BY CITY STAFF

CSM Review authorized by the De Pere Municipal Code, Chapter 46.



Boring Locations

NOTES:

1. Aerial image obtained from WI DNR Lead Off Imagery. Image collected 5/18/2020

2. Map coordinate system: NAD 1983 (2011) StatePlane Wisconsin Central FIPS 4802 (US Feet)



Sustana Fibers Geotechnical Precision Industrial Contractors Brown County, De Pere WI



BOREHOLE LOCATION PLAN

Project 2203847

November 2022



Sustana Fiber De Pere, WI

Engineering Support Services

Preliminary Structural Evaluation Calculations

Prepared by Brian R. Epley, P.E. Pearl Engineering Corporation

P.E. Project No. 240895-096

Issued on September 12, 2024



Brian R. Epley, P.E.



Professional Engineering Consultants
Project Management

110 East Grand Avenue, Suite 210 P.O. Box 425 Wisconsin Rapids, WI 54495-0425 v 715.424.4008 f 715.424.4009 bre@pearlengineering.com PearlEngineering.com

September 12, 2024

P.E. Project No. 240895-096

Sustana Fiber 1751 W. Matthew Drive De Pere, WI 54115

Attention: Mr. Dan Bassindale dbassindale@sustanagroup.com

Plant Manager

Subject: Sustana Fiber

Engineering Support Services

Transmittal of Preliminary Structural Evaluation

Dan,

It is our understanding that Sustana would like to add stair access to the east drying tower that was constructed last year. Additionally, they would like the tower clad with solid panel siding, and to enclose the equipment at the bottom with an equipment enclosure.

The tower was designed to contain the drying equipment and resist the wind loads on a fully enclosed tower. The tower was further designed to accommodate the drying equipment experiencing a system failure that would fill the cyclones with moist pulp material. The equipment and wind loads are by far the largest design loads on the structure.

The addition of the stair column adds relatively little volume and, therefore, little additional wind load area. The enclosed equipment space at the base of the tower does not accumulate significant wind loads due to its low height. The additional snow load on the low roof is also relatively minor compared to the high equipment loads.

We ran a series of preliminary calculations to account for the new loads on the existing mat foundation. These calculations indicate that the additional load on the mat foundation does not exceed the design capacity. We are confident that the existing mat foundation design will be sufficient for our final design and engineering calculations.

We hope that you will find this preliminary report useful, and we thank you for this opportunity to serve Sustana Fiber in performing this structural design.

Please feel free to call me at 715 424-4008 if you wish to discuss any aspect of this report or if we can improve our services to you in any way.

Respectfully submitted,

Brian R. Epley, P.E.

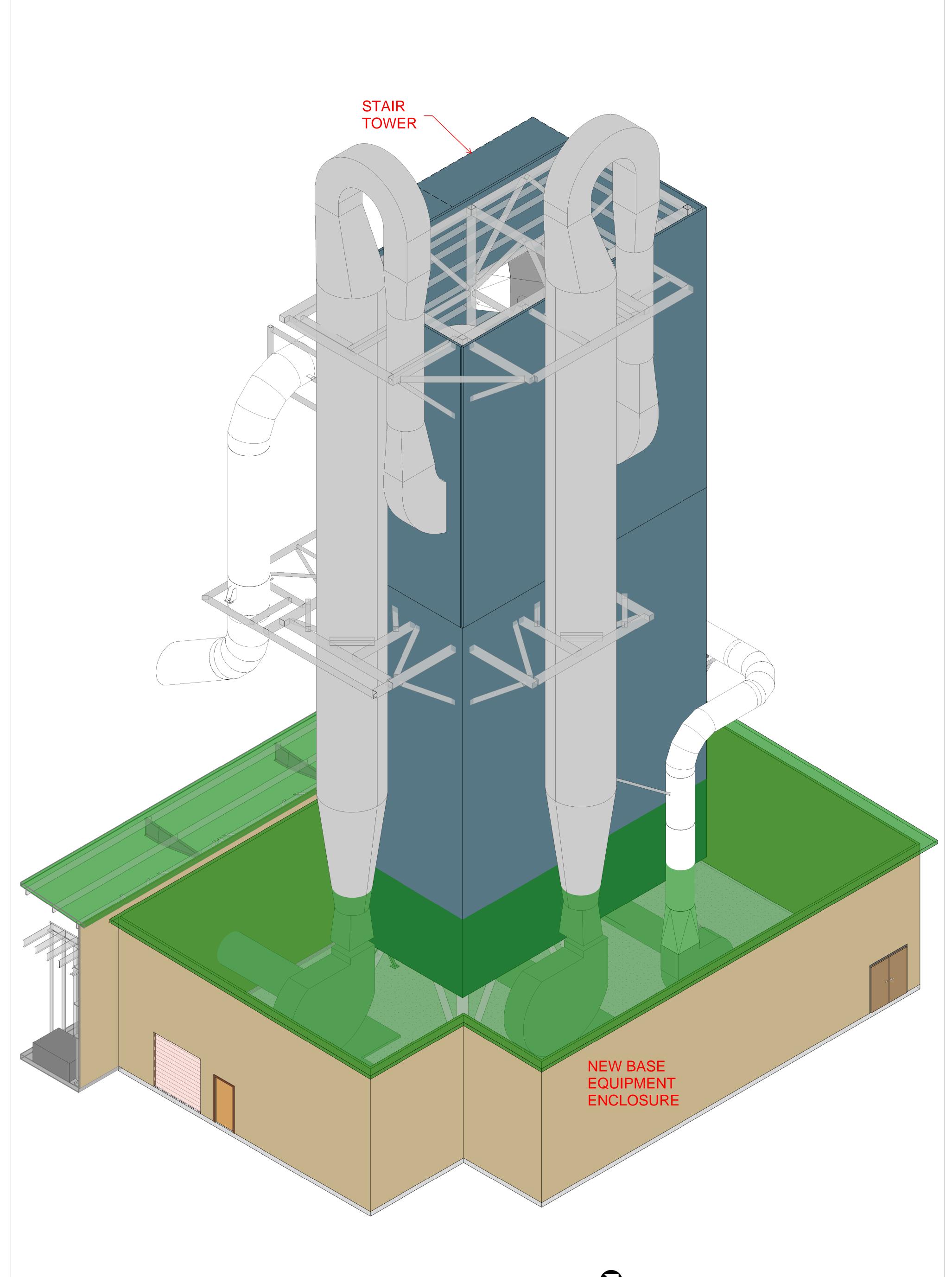
Senior Project Consultant



Sustana Fiber De Pere, WI

Drying Tower Preliminary Engineering

Appendix A – Stair Tower and Enclosure Rendering

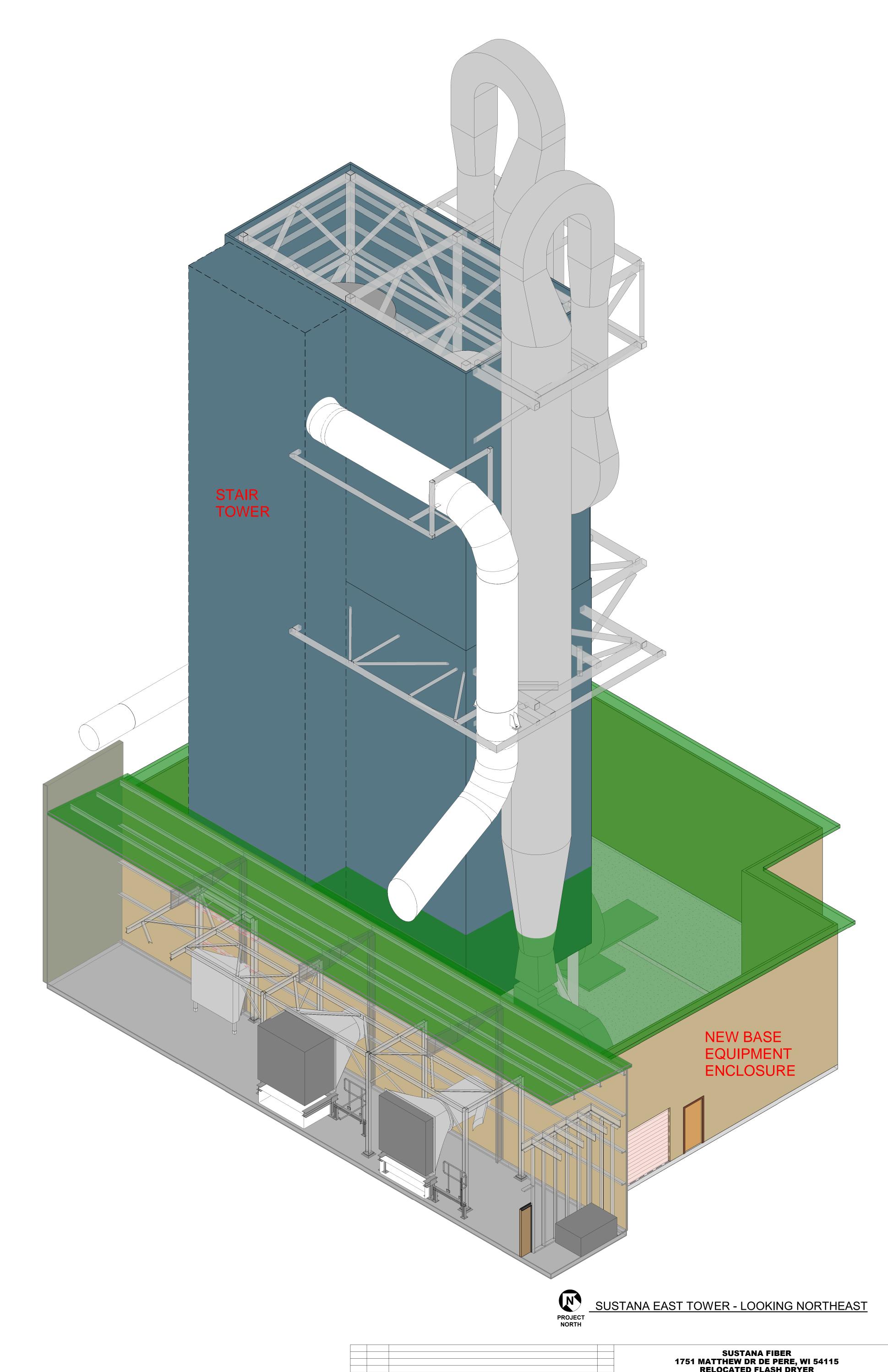




SUSTANA EAST TOWER - LOOKING NORTHWEST

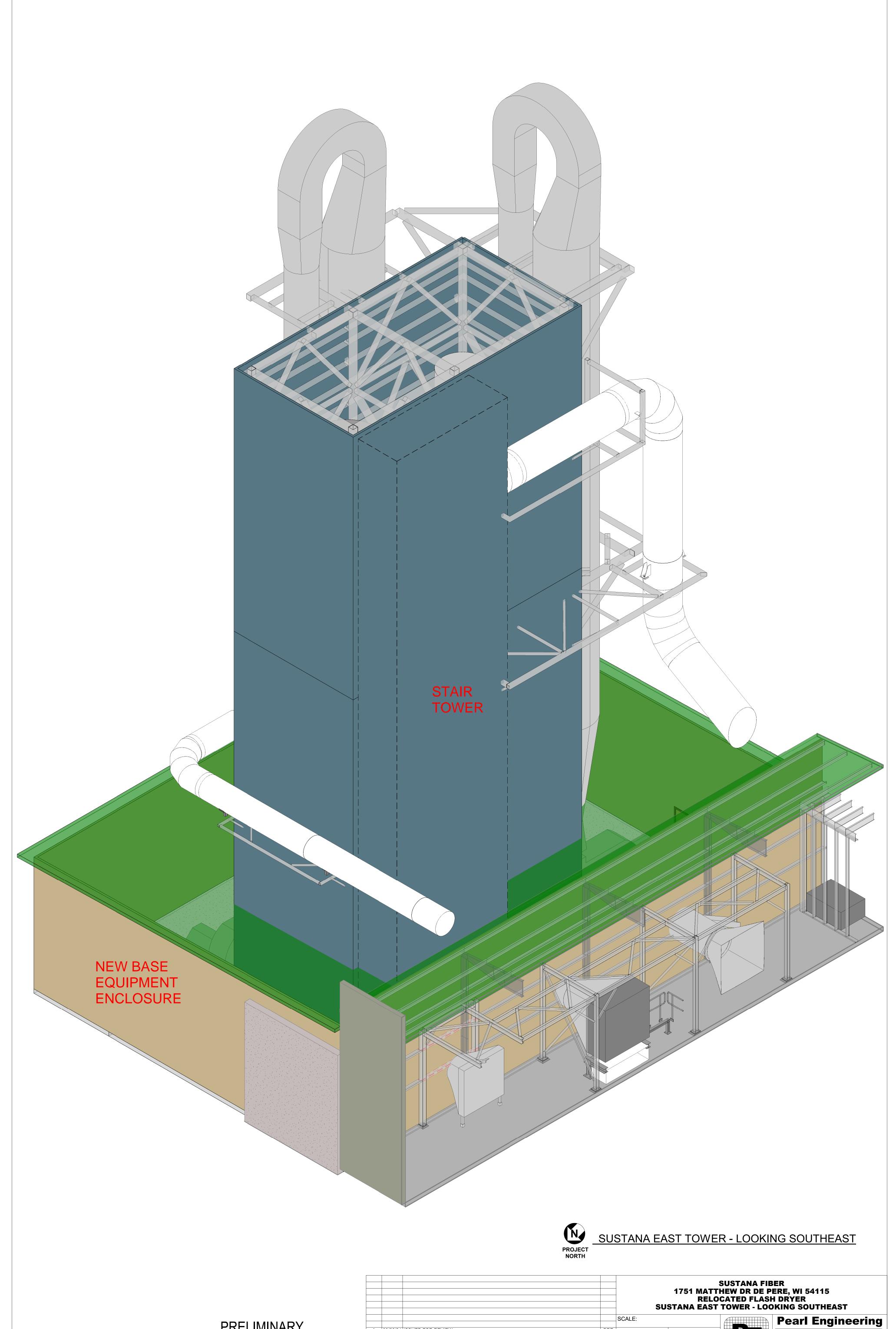
PRELIMINARY
NOT FOR CONSTRUCTION

			-	SUSTANA FIBER 1751 MATTHEW DR DE PERE, WI 54115 RELOCATED FLASH DRYER SUSTANA EAST TOWER - LOOKING NORTHWEST					
			SCALE:					Pearl E	Engineering
A REV	08/22/24 DATE	ISSUED FOR REVIEW BRE DRAWING ISSUE BY	DRAW:	CRJ	DATE:	08/22/24		P.O. BOX 425 PH 715.424.4008	Corporation
Al		nished by Pearl Engineering Corp. is the property of Pearl Engineering Corp. and is to return at any time upon demand. It is furnished only in connection with specific	CHECKED:	BRE	DATE:	08/22/24		FAX 715.424.4009	WISCONSIN RAPIDS, WI 54495 PROJECT NO. 230895-208
	enginee	ering assignments and cannot be reproduced, stored in or introduced into retrieval or transmitted in any form or by any means (electronic, mechanical, photo copying,	DESIGN:	BRE	DATE:	08/22/24	DWG NO.		REV.
recording or otherwise) copied, loaned or used for any purpose directly or indirectly detrimental to the interests of Pearl Engineering Corp. (Reproduction Firms will be prosecuted.)			APPROVED:	BRE	DATE:	08/22/24	S901		A



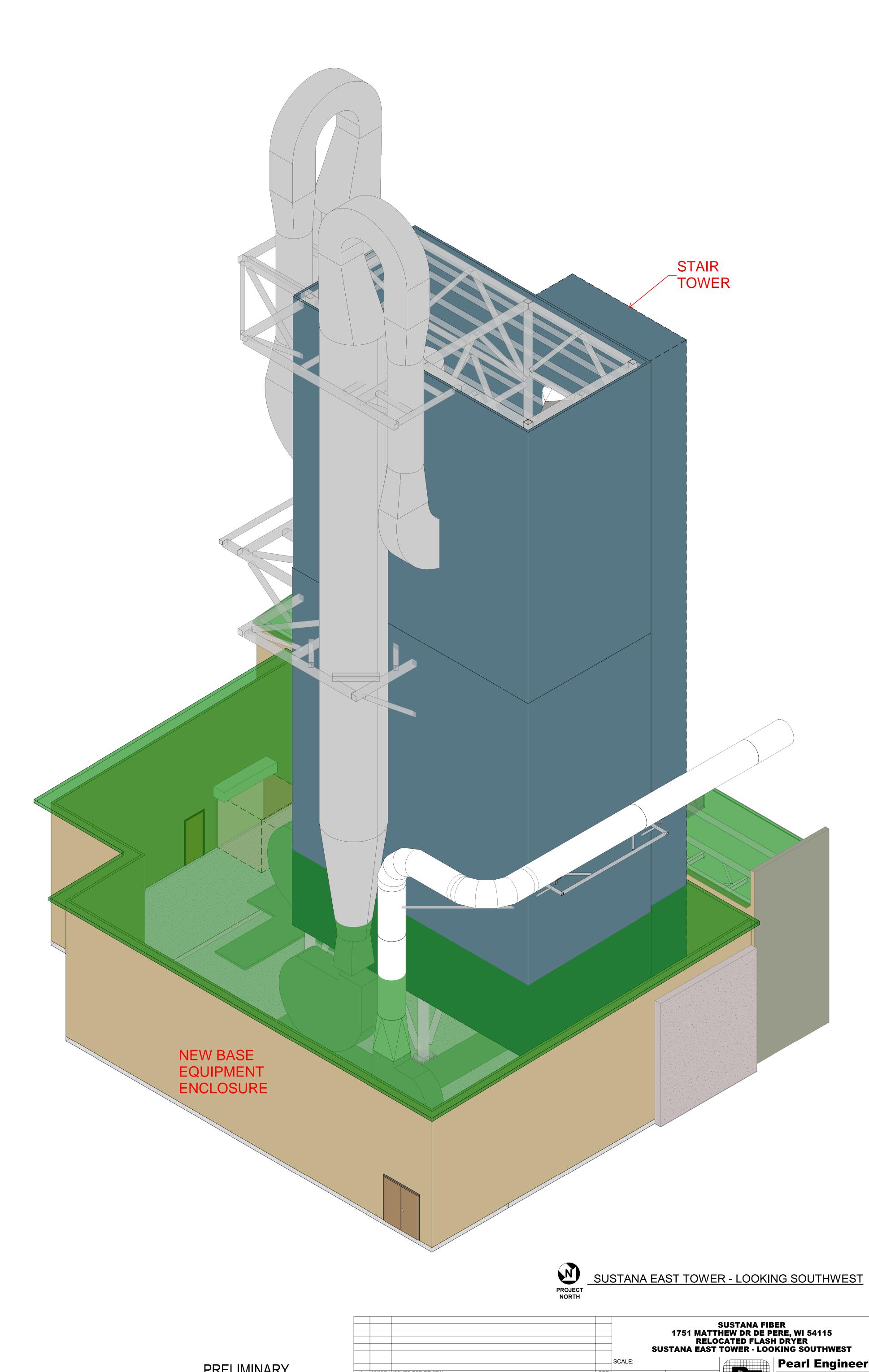
PRELIMINARY
NOT FOR CONSTRUCTION

SUSTANA FIBER 1751 MATTHEW DR DE PERE, WI 54115 RELOCATED FLASH DRYER SUSTANA EAST TOWER - LOOKING NORTHEAST SCALE: **Pearl Engineering** BRE DRAW: A 08/22/24 ISSUED FOR REVIEW CRJ DATE: Corporation 08/22/24 REV DATE DRAWING ISSUE BY All data furnished by Pearl Engineering Corp. is the property of Pearl Engineering Corp. and is subject to return at any time upon demand. It is furnished only in connection with specific engineering assignments and cannot be reproduced, stored in or introduced into retrieval system or transmitted in any form or by any means (electronic, mechanical, photo copying, recording or otherwise) copied, loaned or used for any purpose directly or indirectly detrimental to the interests of Pearl Engineering Corp. (Reproduction Firms will be prosecuted.) WISCONSIN RAPIDS, WI 54495 BRE DATE: CHECKED: 08/22/24 PROJECT NO. 230895-208 08/22/24 DWG NO. BRE DATE: DESIGN: REV. **S902** APPROVED:



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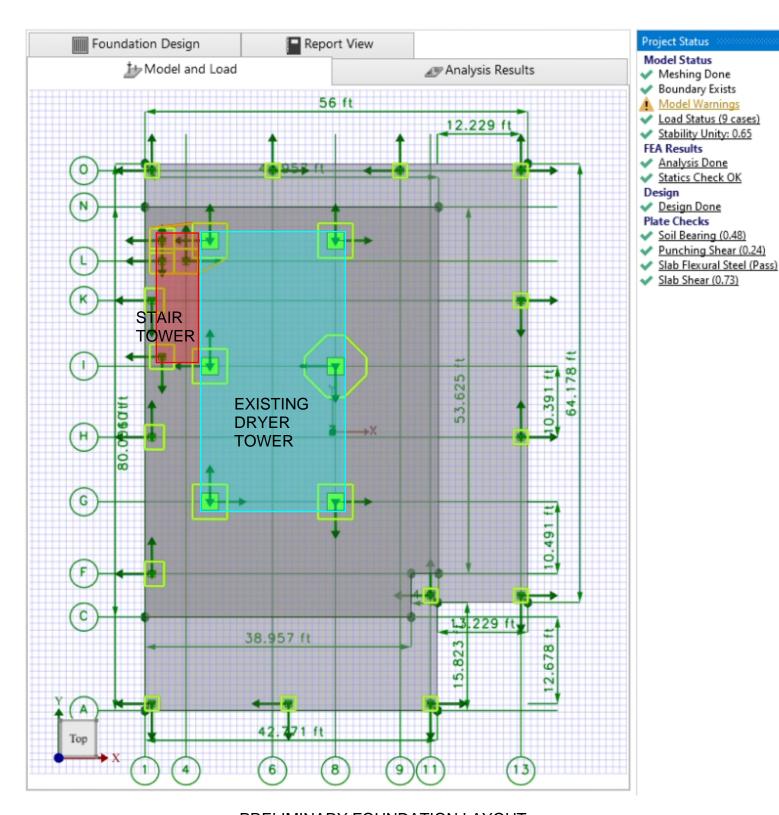
Pearl Engineering BRE DRAW: A 08/22/24 ISSUED FOR REVIEW CRJ DATE: Corporation 08/22/24 REV DATE DRAWING ISSUE BY All data furnished by Pearl Engineering Corp. is the property of Pearl Engineering Corp. and is subject to return at any time upon demand. It is furnished only in connection with specific engineering assignments and cannot be reproduced, stored in or introduced into retrieval system or transmitted in any form or by any means (electronic, mechanical, photo copying, recording or otherwise) copied, loaned or used for any purpose directly or indirectly detrimental to the interests of Pearl Engineering Corp. (Reproduction Firms will be prosecuted.) WISCONSIN RAPIDS, WI 54495 BRE DATE: CHECKED: 08/22/24 PROJECT NO. 230895-208 08/22/24 DWG NO. BRE DATE: DESIGN: REV. BRE DATE: **S904** A APPROVED:



Sustana Fiber De Pere, WI

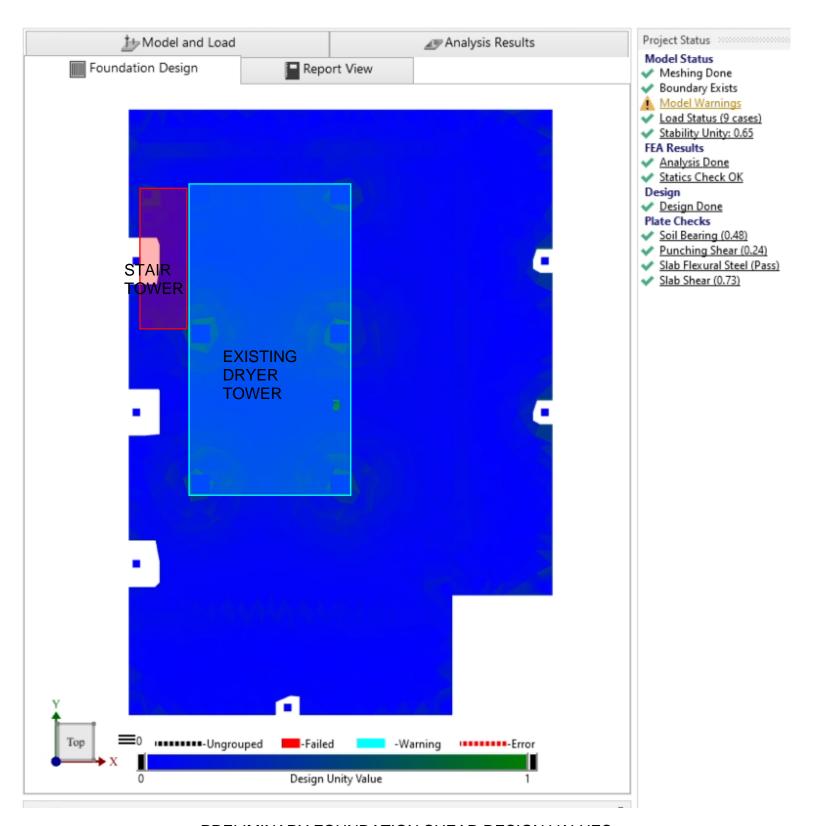
Drying Tower Preliminary Engineering

Appendix B – Preliminary Structural Design Results



PRELIMINARY FOUNDATION LAYOUT

The design above is one possible layout with columns around the perimeter for the equipment enclosure, and columns for the stair tower. This layout is a proof of concept and will likely be changed to optimize the final design.



PRELIMINARY FOUNDATION SHEAR DESIGN VALUES

Based on the column layout from the previous sheet, the above image shows the design shear values in the concrete. The areas in blue and green have a unity value of less than one, which indicates they pass the design checks.