

**DESCRIPTION OF PROPERTY SURVEYED**

Par 1: That part of the South 429.0 feet of the West 1/2 of the Northwest Quarter of the Northwest quarter of Section 10, Township 27, Range 24, lying North of a line drawn parallel with the South line of said Northwest Quarter of the Northwest Quarter from a point on the West line of said Section 10 distant 263 feet South of the Northwest corner of the South 429.0 feet of the Northwest Quarter of the Northwest Quarter of said Section 10, except that part thereof described as follows: Beginning at a point in the West line of said Section 10, 178 feet South of the Northwest corner of the South 429.0 feet of said Northwest Quarter of the Northwest Quarter; thence South 85 feet along the West line of said Section 10, thence East 167 feet and parallel with the South line of said Northwest Quarter of the Northwest Quarter, thence North 85 feet and parallel with the West line of said Northwest Quarter of the Northwest Quarter; thence West to the point of beginning and parallel to the South line of the Northwest Quarter of the Northwest Quarter of Section 10, Township 27, Range 24.

Par 2: The West 185 feet of that part of the North 27 acres of the Northwest quarter of the Northwest quarter of Section 10, Township 27, Range 24 West, lying South of the North 792 feet thereof.

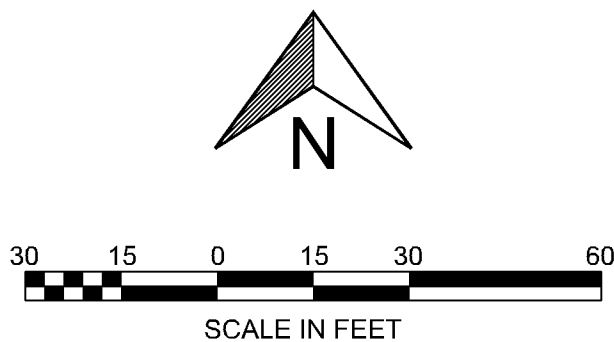
Par 3: Beginning at a point in the West line of Section 10, Township 27, Range 24, 178 feet South of the Northwest corner of the South 429.0 feet of the Northwest Quarter of the Northwest Quarter of Section 10, Township 27, Range 24, thence South 85 feet along the said West line of Section 10, Township 27, Range 24, thence East 167 feet and parallel with the South line of the Northwest Quarter of the Northwest Quarter of Section 10, Township 27, Range 24, thence West to the point of beginning and parallel to the South line of the Northwest Quarter of the Northwest Quarter of Section 10, Township 27, Range 24.

**General Survey Notes**

- Bearings are based on the Hennepin County Coordinate System (1986 Adjustment).
- Site Address: 8715 32nd Lyndale Ave S, Bloomington, MN 55420.
- This property is contained in Zone X (area determined to be outside the 0.2% annual chance floodplain) per Flood Insurance Rate Map, Community Panel No. 27053CD456F, effective date of November 4, 2016.
- There was no attempt to establish the overall boundary as a part of this survey.
- Elevations are based on the NGVD 29 Datum. Site Benchmark is the top nut hydrant located near the southeast property corner, having an elevation of 830.23 feet.

6. We have shown the location of utilities to the best of our ability based on observed evidence together with evidence from the following sources: plans obtained from utility companies, plans provided by client, markings by utility companies and other appropriate sources. We have used this information to develop a view of the underground utilities for this site. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted. Where additional or more detailed information is required, the client is advised that excavation may be necessary. Also, please note that seasonal conditions may inhibit our ability to visibly observe all the utilities located on the subject property.

7. This map and report was prepared without the benefit of a Commitment for Title Insurance. There may be easements of record that we are not aware of and are not shown hereon.



**Linetype & Symbol Legend**

	FIBER OPTIC		SIGN		AIR CONDITIONER
	GASMAIN		UTILITY MANHOLE		BOLLARD
	WATERMAIN		SANITARY MANHOLE		ELECTRIC MANHOLE
	SANITARY SEWER		STORM MANHOLE		FLAG POLE
	STORM SEWER		CATCH BASIN		FLARED END SECTION
	OVERHEAD UTILITIES		TELEPHONE BOX		GAS VALVE
	TELEPHONE LINE		TELEPHONE MANHOLE		HANDICAP SYMBOL
	ELECTRIC LINE		ELECTRIC TRANSFORMER		HYDRANT
	CABLE LINE		TRAFFIC SIGNAL		WATER MANHOLE
	CHAINLINK FENCELINE		CABLE TV BOX		WATER VALVE
	WOODEN FENCELINE		ELECTRICAL METER		POWER POLE
	GUARDRAIL		GAS METER		GUY WIRE
	CONCRETE SURFACE		FOUND IRON MONUMENT		CONIFEROUS TREE
	PAVER SURFACE		SET IRON MONUMENT		DECIDUOUS TREE
	BITUMINOUS SURFACE		CAST IRON MONUMENT		
	GRAVEL/LANDSCAPE SURFACE				

**8715 Lyndale Ave S**

Bloomington, Hennepin County, MN 55420

Log House Foods

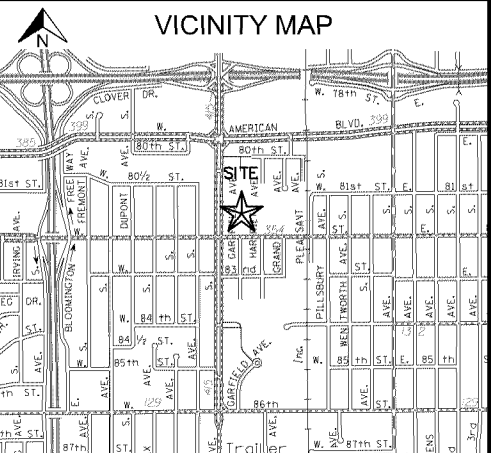
700 Berkshire Ln N Plymouth, MN 55441

PROJECT

CLIENT

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

RORY L. SYNSTELIEN  
DATE 03-22-19 LICENSE NO. 44565



REVISION SUMMARY	
DATE	DESCRIPTION

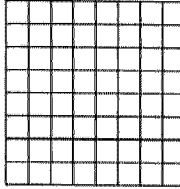
PROJECT NO.: 18321

LOT  
CERTIFICATION

**V1.0**

Steven Fichtel Architects LLC  
410 NORTH 3RD STREET SUITE 450  
MINNEAPOLIS, MINNESOTA  
55401

612.670.2900



## EXISTING BUILDING

1. PRIMARY BUILDING MATERIAL-  
MASONRY WALLS- PAINTED

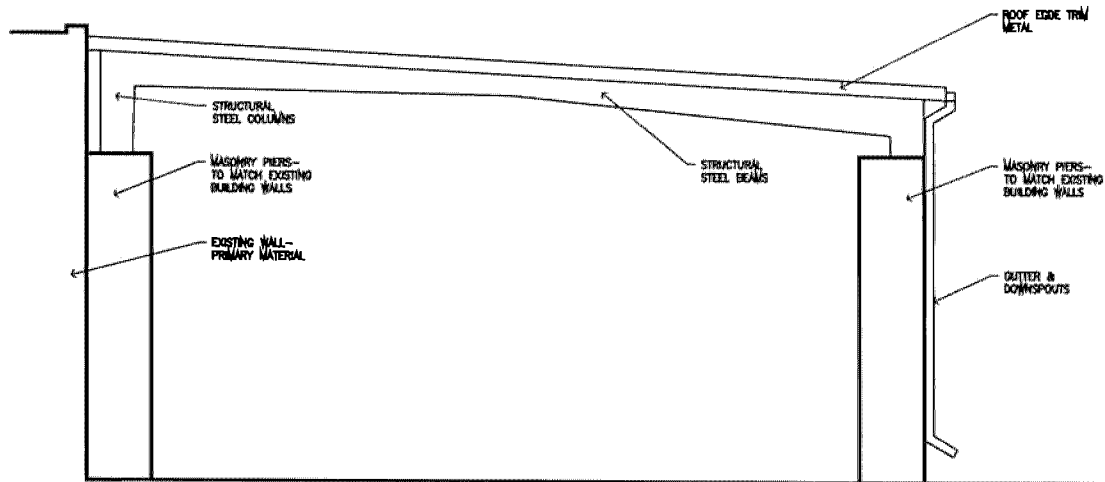
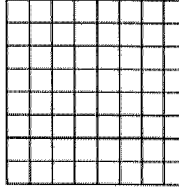
MAIN COLOR- LIGHT TAN

2. SECONDARY BUILDING MATERIALS-  
WINDOW SURROUNDS- FACE BRICK  
CANOPIES- PREFINISHED METAL  
ROOF EDGE- PREFINISHED METAL  
DOWNSPOUTS- PREFINISHED METAL  
OVERHEAD DOORS- PREFINISHED METAL  
WALK DOORS- PAINTED  
WINDOWS FRAMES- PREFINISHED METAL

ACCENT COLOR- DARK BROWN



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## PROPOSED DOCK CANOPY

1. PRIMARY BUILDING MATERIAL-  
NEW MASONRY PIERS
2. SECONDARY BUILDING MATERIALS-  
STEEL COLUMNS- PAINTED  
STEEL BEAMS- PAINTED  
ROOF EDGE- PREFINISHED METAL  
GUTTER- PREFINISHED METAL  
DOWNSPOUTS- PREFINISHED METAL  
  
ACCENT COLOR- DARK BROWN

## COMMENTS

THE PROPOSED DOCK CANOPY IS A "SECONDARY BUILDING MATERIAL" AND SHALL BE FINISHED WITH ACCENT COLORED MATERIALS- DARK BROWN- WHICH IS CONSISTANT WITH THE EXISTING ARCHITECTURAL DESIGN OF THE EXISTING BUILDING STRUCTURE

NEW MASONRY PIERS SHALL BE CONSTRUCTED AT THE FOUR CORNERS OF THE NEW DOCK CANOPY  
THESE PIERS SHALL BE PAINTED LIGHT TAN TO MATCH THE EXISTING BUILDING WALLS

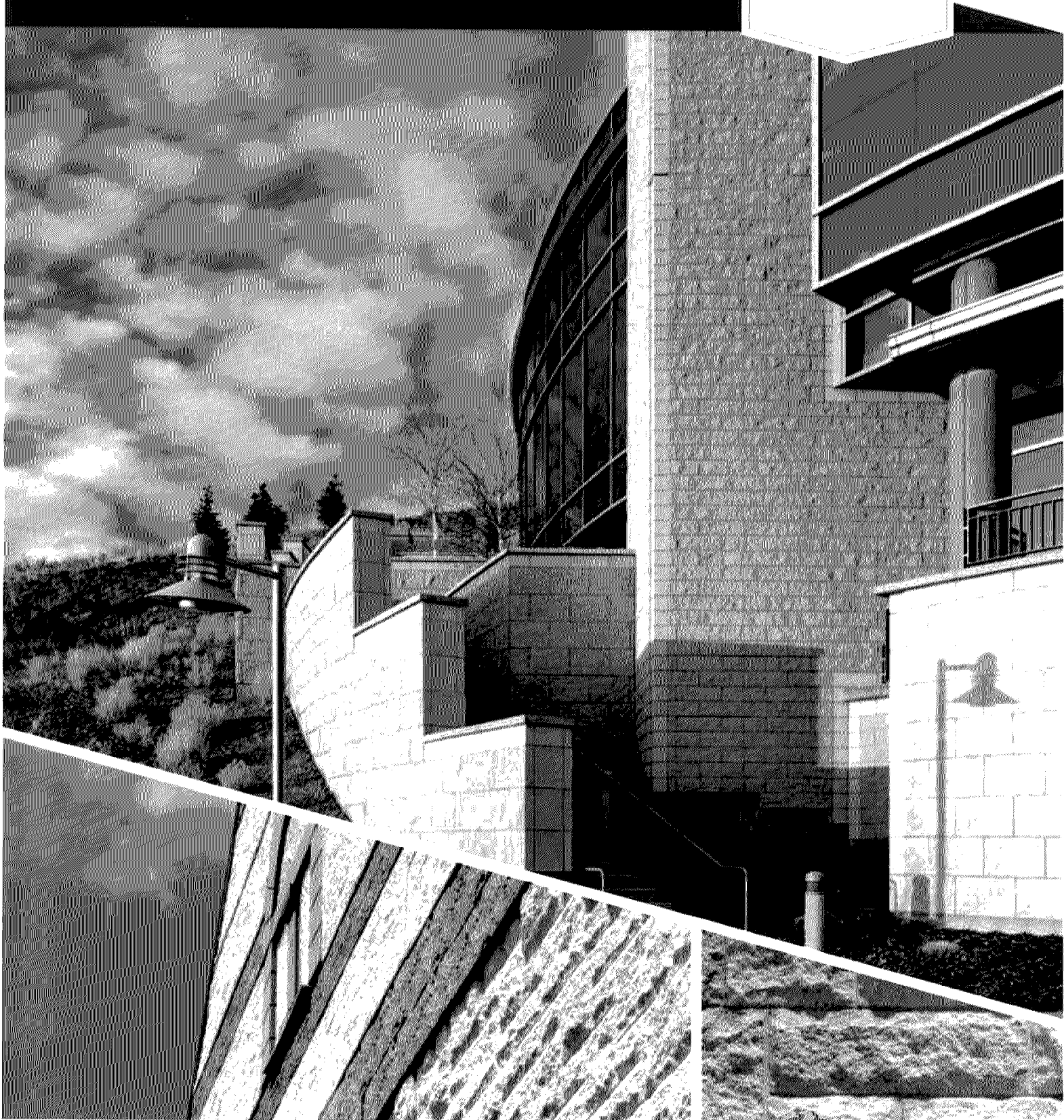
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PL2019-71

TRENWYTH® ARCHITECTURAL MASONRY

# Cordova Stone™

## IDEAL APPLICATIONS

- › Multi-Family
- › Retail
- › Commercial



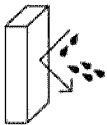
# Hand-cut appeal. Natural limestone beauty.

Timeless and versatile, Cordova Stone delivers beauty that blends seamlessly with performance. Our selection of natural and earth-blended colors gives you the look and feel of natural limestone or cast stone. Manufactured with an integral water repellant admixture, Cordova Stone may be used at or below grade.



## MADE SMARTER

Our manufacturing process combines all-natural aggregates, including crushed limestone, to create a beautiful end-effect that withstands the elements of time.



## LASTING BEAUTY

The maintenance-free surface is mold, moisture and mildew resistant.



## VERSATILE

Inquire about the endless ways that we can shape, cut and tool Cordova Stone into pieces that bring your design concept together, including archways, coping units and sill pieces.



### PERFORMANCE UPGRADE OPTIONS

› EnduraMax™  
High Performance  
Wall System

Visit [EchelonMasonry.com](http://EchelonMasonry.com)  
for more information





January 15, 2019

LOG HOUSE FOODS INC.  
700 BERKSHIRE LN N  
PLYMOUTH, MN 55441

Project Name: LOG HOUSE FOODS INC.

Buildings: A-&gt;40'-0"x30'-0"x21'-10"(RCS,0.5:12)

Attn.: TONY JARDINE

Project Location: BLOOMINGTON, MN 55420

Project #: M19O9000A

This Letter of Design Certification ensures that the materials furnished by the metal building supplier are designed in accordance with the information specified to the metal building supplier on the order documents and summarized by the loading information listed below. The Project Engineer of Record (not the metal building supplier) is responsible for verifying that the building code and design loads meet any and all applicable local requirements.

The Professional Engineer whose seal appears on this Letter of Certification is employed by the metal building manufacturer and does not serve as or represent the Engineer of Record for this project and shall not be construed as such.

**DESIGN LOAD CRITERIA:**

Structural Loads Applied in General Accordance with: Minnesota (MSBC 15)  
MBMA Occupancy Importance Classification: II - Standard Buildings

**PROJECT-WIDE LOADING INFORMATION:**

Ground Snow Load:	50.0 psf	Snow Exposure Factor, Ce:	1.00	Snow Imp. Factor, Is:	1.00
Roof Live Load:	20.0 psf	Not Reducible Per Code.			
Ultimate Design Wind Velocity:	115 mph	Nominal Design Wind Velocity:	89 mph		
***Components & Cladding Pressures:	39 psf/	-49 psf			
Is Roof to meet UL 90 Requirements?:	No	Wind Importance Factor, Iw:	1.00	Wind Exposure:	C
Seismic Criteria:	NA				

**BUILDING-SPECIFIC LOADING INFORMATION:**

Bldg	Roof Dead (psf)*	Collateral Dead		Snow Coefficient		Snow Load (psf)		Wind		Seismic		
		Pri (psf)	Sec (psf)	Ct	Cs	Ps (psf)	**Pm (psf)	Enclosure	GCpi	R	Cs	V (kips)
A	5.1	0.5	0.5	1.2	1.00	42.00	20.00	Part-Encl.	± 0.55	3.00	0.010	0.3

\*Primary Structural Not Included

\*\*P<sub>m</sub> is based on the minimum roof snow load calculated per building code or the contract-specified roof snow load, whichever is greater. This value, P<sub>m</sub>, is only applied in combination with Dead and Collateral Loads. Roof Snow in other loading conditions is determined per the specified Building Code.

\*\*\*Design wind pressures to be used for wall exterior component and cladding materials not provided by the metal building supplier.

**Mezzanine Information:**

Floor Dead Load: N/A

Floor Collateral Load: N/A

Floor Live Load: N/A

**Crane Information:**

No cranes on building.

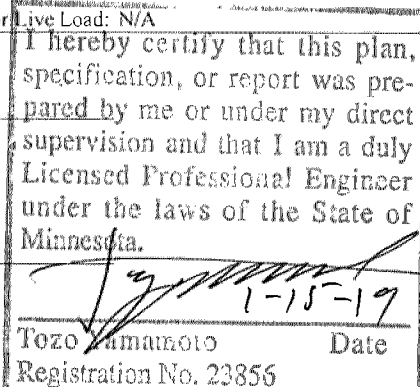
**Roof-Top Unit Information**

No roof-top units on building.

The design of structural members supporting roof gravity loads is controlled by the more critical effect of roof live load or roof snow applied in accordance with the governing building code.

**DESIGN STANDARDS REFERENCED:**

- AISC Specification for Structural Steel Buildings - Steel Construction Manual, 14th Edition, © 2010.
- AISS North-American Specification for the Design of Cold-Formed Steel Structures, © 2007 Edition w/2010 Supplement.
- IBC codes are designed in accordance with ASCE7-10 Edition.
- MBMA Low Rise Building Systems Manual, Latest Edition.
- No buyout structural components provided on this project.
- AWS Latest Edition of Structural Welding Code.



STRUCTURAL DRAWINGS

for

**LOG HOUSE FOODS**

Permit / Construction

**BLOOMINGTON, MN**

Canopy Connection to Building  
Log House Foods  
8711 Lyndale Ave So.  
Bloomington, MN 55420

Prepared for:

Log House Foods, Inc.  
700 Berkshire Lane North  
Plymouth, MN 55420

March 7, 2019

Prepared by:

**VAA, LLC**  
2300 Berkshire Lane North, Suite No.200  
Plymouth, Minnesota 55441  
763.559.9100

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	
Signature <u>[Signature]</u>	Date <u>3-7-19</u>
Name <u>DAVID C. JOHNSON</u>	Reg. # <u>22124</u>
Renewal Date <u>6/20</u>	
Sheets Covered <u>Booklet</u>	

## STRUCTURAL NOTES

### **1 BUILDING CODE:**

1.1 2015 MINNESOTA STATE BUILDING CODE BASED ON 2012 INTERNATIONAL BUILDING CODE (IBC)

### **2 DESIGN LOADS:**

2.1 WIND:

BASIC WIND SPEED, V.....	115 MPH ULTIMATE
RISK CATEGORY .....	II
IMPORTANCE FACTOR, I <sub>w</sub> .....	1.0
EXPOSURE.....	B

### **3 GENERAL NOTES:**

3.1 CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR THE SAFETY OF PERSONS AND PROPERTY. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

3.2 DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW BY THE ENGINEER.

### **4 EXISTING CONSTRUCTION:**

4.1 WHEREVER APPLICABLE, PRIOR TO FABRICATION AND CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS, DIMENSIONS, DETAILS OF EXISTING STRUCTURAL CONNECTIONS AND OTHER CONDITIONS WHERE THEY AFFECT THIS CONSTRUCTION. NOTIFY THE ENGINEER IF THERE ARE ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. CONSULT WITH THE STRUCTURAL ENGINEER BEFORE MAKING ANY MODIFICATIONS TO THE EXISTING STRUCTURE NOT INDICATED ON THE CONTRACT DOCUMENTS.

4.2 BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING STRUCTURE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

4.3 THE CONTRACTOR SHALL CONSIDER ALL HAZARDS DUE TO WELDING WITHIN THE EXISTING FACILITY, INCLUDING FIRE HAZARD, TOXIC SMOKE HAZARD AND LIQUEFACTION OF MEMBERS UNDER LOAD. VERIFY THE PRESENCE OF ANY TOXIC MATERIALS PRIOR TO BIDDING THE WORK OR SUBMITTAL OF FINAL PRICE.

### **5 POST-INSTALLED FASTENING:**

5.1.1 POST-INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.

### **6 STRUCTURAL STEEL:**

6.1 DESIGN CODE: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360), LATEST ADOPTION.

6.2 MATERIAL SPECIFICATIONS (UNLESS NOTED OTHERWISE):

STRUCTURAL STEEL ROLLED SHAPES, PLATES & BARS..... ASTM A36

WELDS (E70XX ELECTRODES) ..... AWS D1.1

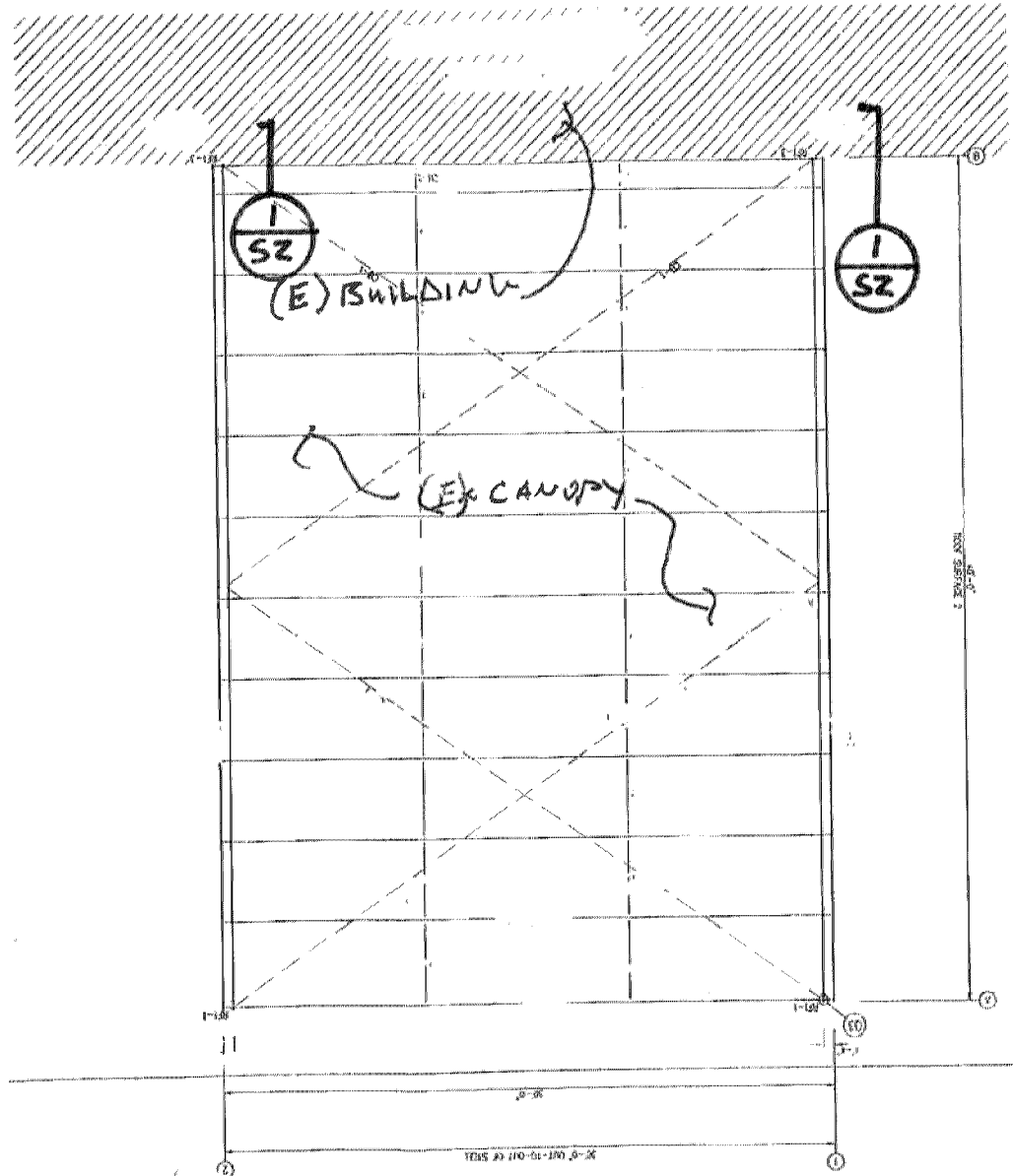
6.3 STRUCTURAL STEEL PERMANENTLY EXPOSED TO WEATHER SHALL BE PRIMED AND PAINTED WITH A RUST INHIBITOR PAINT.





VAA, LLC  
PLYMOUTH, MN  
SIOUX FALLS, SD  
763-559-9100  
vaaeng.com

PROJECT NAME	LOG HOUSE FOODS DOCK CANOPY		
PROJECT NUMBER	190150	SHEET NO.	OF
CALCULATED BY	DCS	DATE	3-7-19
CHECKED BY		DATE	

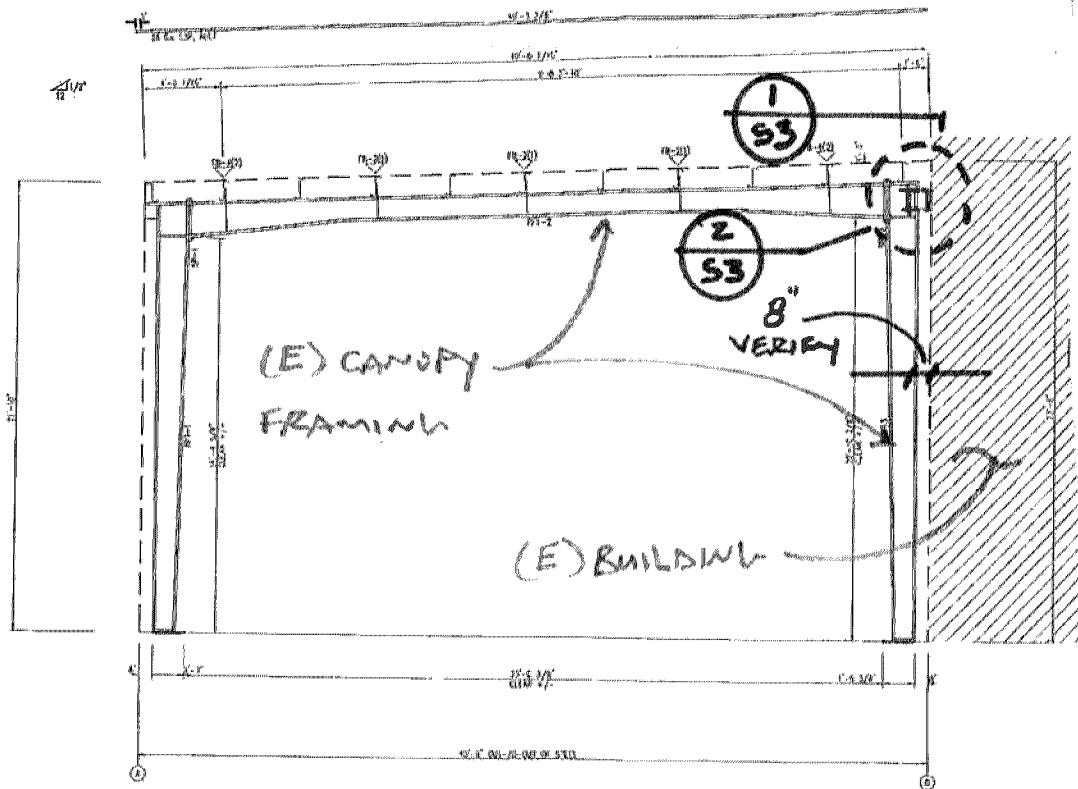


ROOF PLAN



VAA, LLC  
PLYMOUTH, MN  
SIOUX FALLS, SD  
763-559-9100  
vaaeng.com

PROJECT NAME	LOG HOUSE FOODS DUCK		
PROJECT NUMBER	190150	SHEET NO.	OF
CALCULATED BY	DC	DATE	3-7-19
CHECKED BY		DATE	

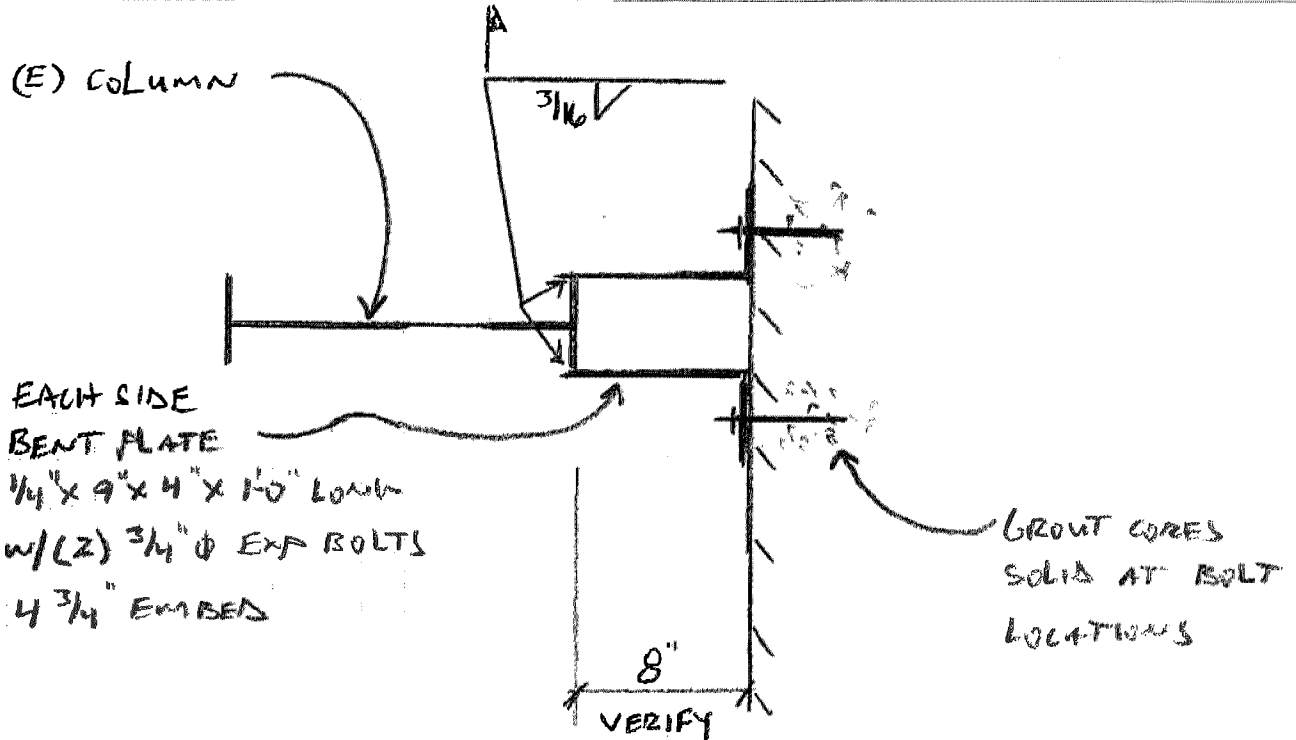


1 SECTION  
S2



VAA, LLC  
PLYMOUTH, MN  
SIOUX FALLS, SD  
763-559-9100  
vaaeng.com

PROJECT NAME	LOW-HOUSE FOODS DOCK CANOPY		
PROJECT NUMBER	190150	SHEET NO.	OF
CALCULATED BY	DCS	DATE	3-7-15
CHECKED BY		DATE	



1 PLAN  
S3

