JAMES HITE HAYS
ATTORNEY AT LAW
521 MAIN STREET
SHELBYVILLE, KENTUCKY 40065

FAX
(502) 633-3577

TELEPHONE
(502) 633-3534

June 15, 2018

Kentucky Public Service Commission
Attn: Brandon Bruner
Administrative Branch Manager
Filings Branch
211 Sower Blvd.
Frankfort KY 40601

IN RE: West Shelby Water District
Request for Public Service Commission (hereinafter referred to as PSC) granting a certificate construction of a storage building next to their existing office

Dear Mr. Bruner:

Enclosed are the original and 10 copies of the West Shelby Water District application for Certificate of Public Convenience and Necessity to construct a storage building, and motion for expedited Certificate.

Please contact me should you have any questions or need further information.

Very truly yours,

James Hite Hays

James Hite Hays, Attorney for
West Shelby Water District

JHH/krj
Enclosures

RECEIVED

JUN 15 2018

PUBLIC SERVICE COMMISSION

COMMONWEALTH OF KENTUCKY
BEFORE THE
KENTUCKY PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

The application of West Shelby Water	)	
For Commission approval for a Certificate	)	Case No. 2018-00196
Of Public Convenience and Necessity to	)	
construct a storage building next to their	)	
existing office	)	

APPLICATION and
MOTION FOR EXPEDITED CERTIFICATE

West Shelby Water (hereinafter referred to as WSW) respectfully states:

1. The applicant, WSW, is a part of Shelby County Government and operates from three (3) appointed commissioners by Shelby County Judge Executive. It is organized under KRS Chapter 74 as a water district and is engaged in the business of providing water to the members-consumers in Shelby County, Kentucky. This application is submitted pursuant to KRS 278.020 and 807 KAR 5:001(9).

2. The name and address of the applicant, West Shelby Water, whose address is PO Box 39, Simpsonville, KY 40067, and the email address of the Steve Eden, Manger is seden@westshelbywater.org. The application will be signed by Steve Eden, Manager.

3. The applicant seeks a Certificate of Public Convenience and Necessity ("CPCN") to construct a storage building for machinery and equipment.

4. This new construction will be paid from existing funds of the WSW and/or from the sale of their existing building which is located at 7101 Shelbyville Road, Simpsonville, Kentucky.

5. Estimated cost of the construction is $223,633.00. Estimated annual costs of operation of the facility is $2000/year in actual utilities. WSW does not need any permits from local authorities.

6. Attached hereto and made a part of this Application are the following:

Exhibit "A" Necessary Construction Letter dated May 17, 2018 from Steve Eden, Mgr.
Exhibit "B" Description of where construction will take place—total of 2 pages

Exhibit "C" Plans for new construction
Exhibit "D" Specifications for new construction—total of 3 pages
Exhibit "E" Drawings for new construction—total of 2 pages
Exhibit "F" Engineering plans & drawings w/engineering certificate—total of 6 pages

Wherefore, applicant asks that the Public Service Commission of the Commonwealth of Kentucky issue a Certificate of Public Convenience and Necessity authorizing the construction of a storage building. A motion is also made to request an expedited decision on this application as the WSW needs to build this storage facility this year to protect its vehicles and equipment.

COMMONWEALTH OF KENTUCKY
COUNTY OF SHELBY

Steve Eden, after first being duly sworn, deposes and says: that he is the Manager of West Shelby Water District; that he has read the foregoing Application and knows the contents thereof; that the same is true of his knowledge except as to such matters as are therein stated on information or belief and as to those matters he believes to be true.

This 14 day of June, 2018.

WEST SHELBY WATER DISTRICT

BY: _____
Steve Eden, Manager

Subscribed and sworn to before me by Steve Eden, Manager, this 14 day of June, 2018.

_____
Notary Public, Kentucky Stater at Large
My Commission Expires: 12-14-2021

589967

This application prepared by
James Hite Hays, Attorney for WSW
521 Main Street
Shelbyville KY 40065

_____

West Shelby Water District

7101 Shelbyville Rd.
P.O. Box 39
Simpsonville, KY 40067
(502) 722-8944
State Relay TDD (800) 648-6057
E-mail: seden@westshelbywater.org

May 17, 2018

Reference: Certificate of Public Convenience and Necessity (KRS 278.020) for proposed construction of a new storage building for West Shelby Water District

Dear Public Service Commission:

West Shelby Water District will be selling our existing maintenance building at 7101 Shelbyville Rd in Simpsonville Ky. We have occupied this space for 21 years and due to the growth of our District from 800 to 2000 customers over this time span, we are lacking space to adequately serve our district and store our equipment. Please review the following points as follows:

1. West Shelby already has existing property a 492 Third Street which we have owned for almost 20 years. This tract is 2 acres and site work was done 10 years ago at this property to construct a new building.
2. We will take the proceeds of selling our existing building at 7101 Shelbyville Rd to pay for new construction of new building.
3. The construction of this building will not affect our rates or have to borrow money to construct.
4. I will attach to this letter a copy of the two bids that were taken to show cost of construction for new building
5. Also attached will be a copy of our appraisal from 7101 Shelbyville Rd to demonstrate how we will generate funds to pay for the cost of new Maintenance building

EXHIBIT A

6. West Shelby Water District will not have any storage space for equipment once we sell our existing building and would like to have something constructed by November of this year to avoid our equipment setting out in implement weather.

After review of our request, please advise us on how to proceed. I have not been through this process before on Needs of Necessity so forgive my ignorance. You can contact me at 502-722-8944 or email me at seden@westshelbywater.org.

Thank you

Steve Eden
Manager
West Shelby Water District

APPRAISAL REPORT

7101 Shelbyville Road
Simpsonville, Shelby County, Kentucky 40067

For:

West Shelby Water District
P.O. Box 39
Simpsonville, Shelby County, Kentucky 40067
Attn. Ms. Lisa M. Didier

GALLOWAY APPRAISAL
RONNIE L. GALLOWAY, MAI
2525 NELSON MILLER PARKWAY
SUITE 101
LOUISVILLE, KENTUCKY 40223

GALLOWAY APPRAISAL
Real Estate Counselors & Appraisers

Offices Located In:
Louisville, KY
Lexington, KY

-- Since 1969 --

October 10, 2015

West Shelby Water District
P.O. Box 39
Simpsonville, Shelby County, Kentucky 40067
Attn. Ms. Lisa M. Didier

Re: 7101 Shelbyville Road
P.V.A. Parcel #015A-11-001, Deed Book 329, Page 249
Simpsonville, Shelby County, Kentucky, 40067

Dear Ms. Didier:

As requested, we have personally inspected the site and prepared an Appraisal Report of the commercial property located at 7101 Shelbyville Road, Simpsonville, Shelby County, Kentucky 40065. The purpose of the appraisal is to conclude an opinion of the market value of the property described herein based upon market conditions prevailing on October 5, 2015, the date of the physical site visit.

This report is intended for use only by West Shelby Water District, Attn. Ms. Lisa M. Didier, to serve as a benchmark in decisions involving an opinion of market value in conjunction with their internal use. This report is not intended for any other use or by others than the stated client.

The scope of work defined for this appraisal includes a physical site visit, the use of information from on site observations, property owners, Shelby County Property Valuation Administrator's Office (PVA), and other publicly available information. The opinion of market value provided in this report is determined through the Sales Comparison Approach and is supported by a Highest and Best Use analysis as established from observations made from the subject neighborhood. The scope of work, as described, provides adequate and reliable findings for the purpose of this appraisal.

This is an Appraisal Report which is intended to comply with the reporting requirements set forth under Standards Rule 2-2(a) of the Uniform Standards of Professional Appraisal Practice for an Appraisal Report. The appraiser is not responsible for unauthorized use of this report.

This transmittal letter is followed by the certification of the appraisal and the appraisal report, further describing the subject property and containing a summation of the reasoning and pertinent data lending to the opinion of value. Your attention is directed to the "General Underlying Assumptions" and "Limiting Conditions" which are considered usual of the type of assignment and have been included following the certification of the appraisal.

Sincerely,

Galloway Appraisal

CERTIFICATION AND FINAL VALUE ESTIMATE: I certify that, to the best of my knowledge and belief

1. The statements of fact contained in this appraisal report are true and correct.

2. The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives.

3. The reported analyses, opinions and conclusions are limited only by the reported assumptions and limiting conditions, and is my personal, impartial and unbiased professional analyses, opinions and conclusions.

4. I have no present or prospective interest in the property that is the subject of this report and no personal interest with respect to the parties involved.

5. I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment.

6. My engagement in this assignment is not contingent upon developing or reporting predetermined results.

7. My compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result or the occurrence of a subsequent event directly related to the intended use of this appraisal.

8. My analyses, opinions and conclusions are developed, and this report has been prepared, in conformity with the Uniform Standards of Professional Appraisal Practice.

9. The reported analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute.

10. Galloway Appraisal has performed no services, as an appraiser *or in any other capacity*, regarding the property that is the subject of this report within the three-year period immediately preceding acceptance of this assignment.

11. Roger Galloway, Kentucky Certified General Appraiser #004342, performed the following functions on this appraisal report: 1) inspected property, 2) researched all comparables, and 3) wrote the unedited written appraisal.

12. Ronnie L. Galloway did not inspect the subject property, but assisted in a review capacity in concluding a value estimate.

13. As of the date of this report, Ronnie L. Galloway has completed the continuing education program of the Appraisal Institute.

14. No one else provided significant professional assistance to the persons signing this report.

Taking into consideration all of the pertinent factors which affect value, it is the recommendation of this report that the market value of the subject property **Fee Simple Title** is as follows:

As of October 5, 2015
*** * * TWO HUNDRED FORTY THOUSAND DOLLARS * * ***
($240,000)

Ronnie L. Galloway, MAI
Kentucky Certified General Appraiser #000002

Roger Galloway
Kentucky Certified General Appraiser #004342

HAYS LAW OFFICE
521 MAIN ST.
P. O. BOX 88
SHELBYVILLE, KENTUCKY
40066-0088
TEL (502) 633-3534
FAX (502) 633-3577

PARCEL NO. 1:

Situated in Shelby County, Kentucky, and thus described:

Beginning at a ½" rebar with ID cap stamped 2269 set this survey in the East right of way of Todds Point Road corner to the property conveyed to Timothy L. Pearce and Annette Pearce by deed book 383 page 339, said point being located 205.8 feet (as measured along said road right of way) south of the intersection of the south line of Grand Central Drive with the east right of way of Todds Point Road; thence along the east right of way of Todds Point Road (25 feet from and parallel to the center of road) S 05 degrees 04 minutes 05 seconds W 124.32 feet to an existing rebar with cap stamped 221 corner to the Leggett Partners, L.P. property. Thence leaving road right of way and along the line of the Leggett Partners, L.P. property N 89 degrees 45 minutes W passing through a round metal fence post at 11.2 feet-in all 575.33 feet to a ½" rebar with ID cap stamped 2269 set this survey and N 01 degrees 15 minutes E 123.90 feet to a ½" rebar with ID cap stamped 2269 set this survey at the base of a wood post corner to the Timothy L. Pearce and Annette E. Pearce property. Thence with the line of the Timothy L. Pearce and Annette E. Pearce property (see DB 383 Pg 339) S 89 degrees 45 minutes E 583.61 feet to the point of beginning and containing 1.65 acres according to a survey made by Charles B. Moody, PLS 2269, with McGinnis & Associates on September 23, 2003. (See copy of survey drawing attached)

PARCEL NO. 2:

BEGINNING AT AN EXISTING ½" REBAR CAPPED #221 IN THE WEST 50' FT. RIGHT OF WAY OF TODD'S POINT RD. AND BEING CORNER TO WEST SHELBY WATER DISTRICT (DEED BOOK 445 PAGE 701); THENCE, LEAVING SAID RIGHT-OF-WAY AND WITH A NEW LINE OF LEGGETT PARTNERS LP S76°34'08"W 126.84 FT. TO A SET 18" NO. 4 REBAR CAPPED "BROWN 3759"; THENCE N89°45'00"W 452.61 FT. TO A SET 18" No. 4 REBAR CAPPED "BROWN 3759"; THENCE N01°15"00" E 30.00 FT. TO AN EXISTING ½" REBAR CAPPED #2269 CORNER TO WEST SHELBY WATER DISTRICT (DEED BOOK 445 PAGE 701); THENCE, WITH WEST SHELBY, S89°45'00"E 575.33 FT. TO THE POINT-OF-BEGINNING CONTAINING 0.3540 ACRES AS SURVEYED BY WILLIAM T. BROWN, PLS #3759, WITH CENTERLINE SURVEYING, LLC, ON 2-13-2008 AND BEING PART OF THE SAME PROPERTY CONVEYED TO LEGGETT PARTNERS, L.P. BY LEGETT & PLATT, INC. BY DEED DATED 03-18-1997 AND RECORDED IN DEED BOOK 335 PAGE 573 IN THE RECORDS OF SHELBY COUNTY, KENTUCKY.

EXHIBIT B

File Name: c:\job\2003\West Shelby Water Casey Lot\Casey lot bnd.dwg

SHELBY COUNTY
D445 PG 704

LAND SURVEYORS CERTIFICATE

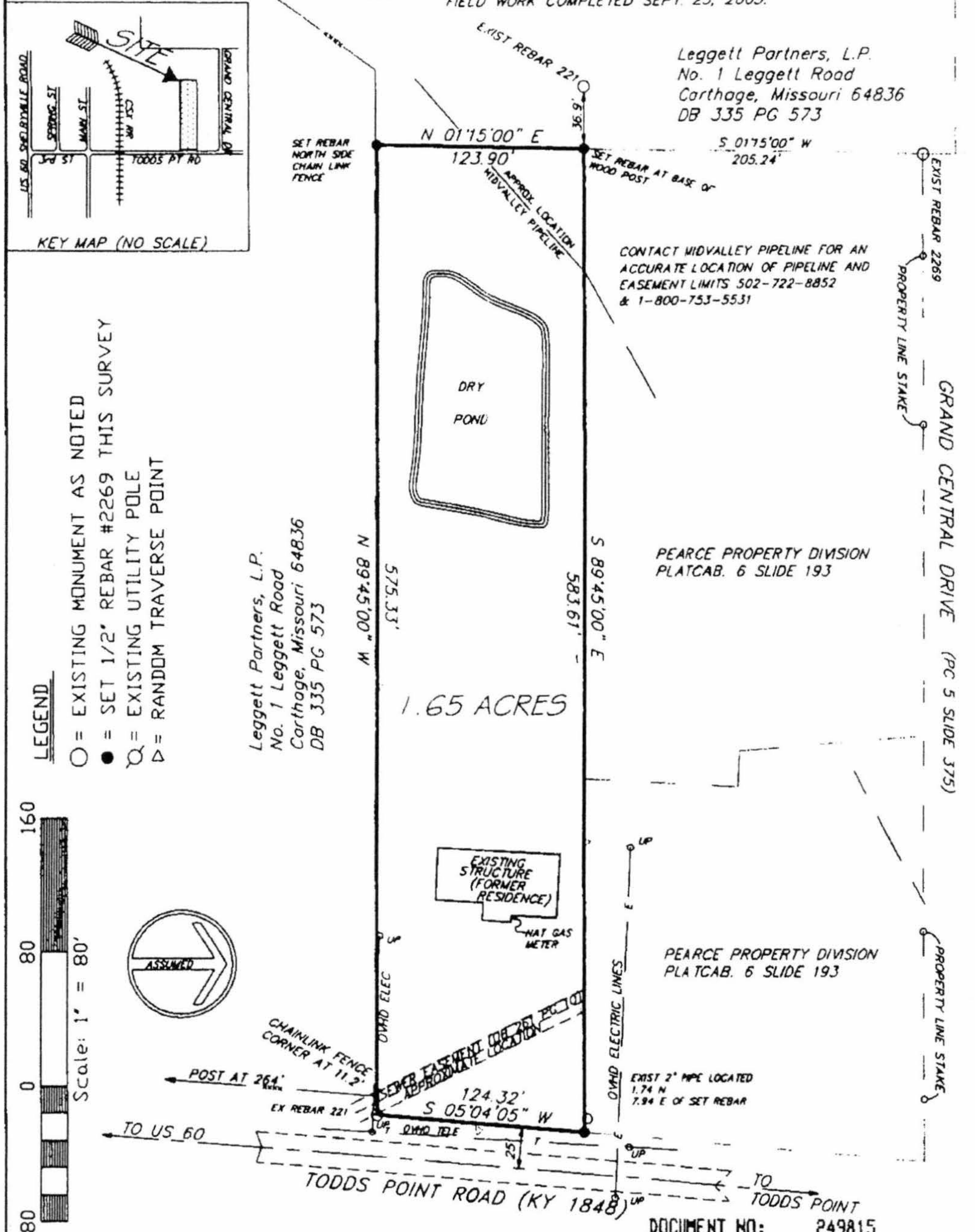
I HEREBY CERTIFY THAT THIS SURVEY AND PLAT WERE MADE UNDER MY DIRECT SUPERVISION AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS WITNESSED BY MONUMENTS SHOWN HEREON SUBSTANTIALLY MEET MINIMUM REQUIREMENTS FOR LAND SURVEYORS, SUBJECT TO THE NOTES SHOWN HEREON.

Oct. Sept. 23, 2003 — DATE
PLS 2269

STATE OF KENTUCKY
LICENSED PROFESSIONAL LAND SURVEYOR
2269

SURVEY NOTES:

THIS SURVEY WAS MADE USING THE RANDOM TRAVERSE METHOD. THE UNADJUSTED CLOSURE SUBSTANTIALLY MEETS REQUIREMENTS FOR LAND SURVEYORS. BEARINGS AND DISTANCES HAVE NOT BEEN ADJUSTED FOR CLOSURE. BEARINGS ARE ASSUMED. 1/2" REBAR WITH ID CAP STAMPED 2269 SET AT NEW DIVISION CORNERS.
TITLE REPORT NOT FURNISHED, PROPERTY MAY BE SUBJECT TO UTILITIES, EASEMENTS AND OTHER MATTERS NOT SHOWN HEREON. NO ATTEMPT WAS MADE TO LOCATE UTILITY LINES AND EASEMENTS OTHER THAN AS SHOWN HEREON. ALL LOCATIONS OF EXISTING UTILITIES AND EASEMENTS ARE APPROXIMATE. CONTACT THE APPROPRIATE UTILITY COMPANY FOR AN ACCURATE LOCATION OF UTILITY LINE AND EASEMENT LIMITS. CONTACT B.U.D. AT 1-800-752-6007, TOLL FREE, FOR AN ACCURATE LOCATION OF SELECTED UTILITY LINES.
THE PURPOSE OF THIS SURVEY AND PLAT IS TO DESCRIBE THE PROPERTY BOUNDARY AND AREA OF THE TRACT(S) SHOWN HEREON.
THIS IS A CLASS A SURVEY.
FIELD WORK COMPLETED SEPT. 23, 2003.

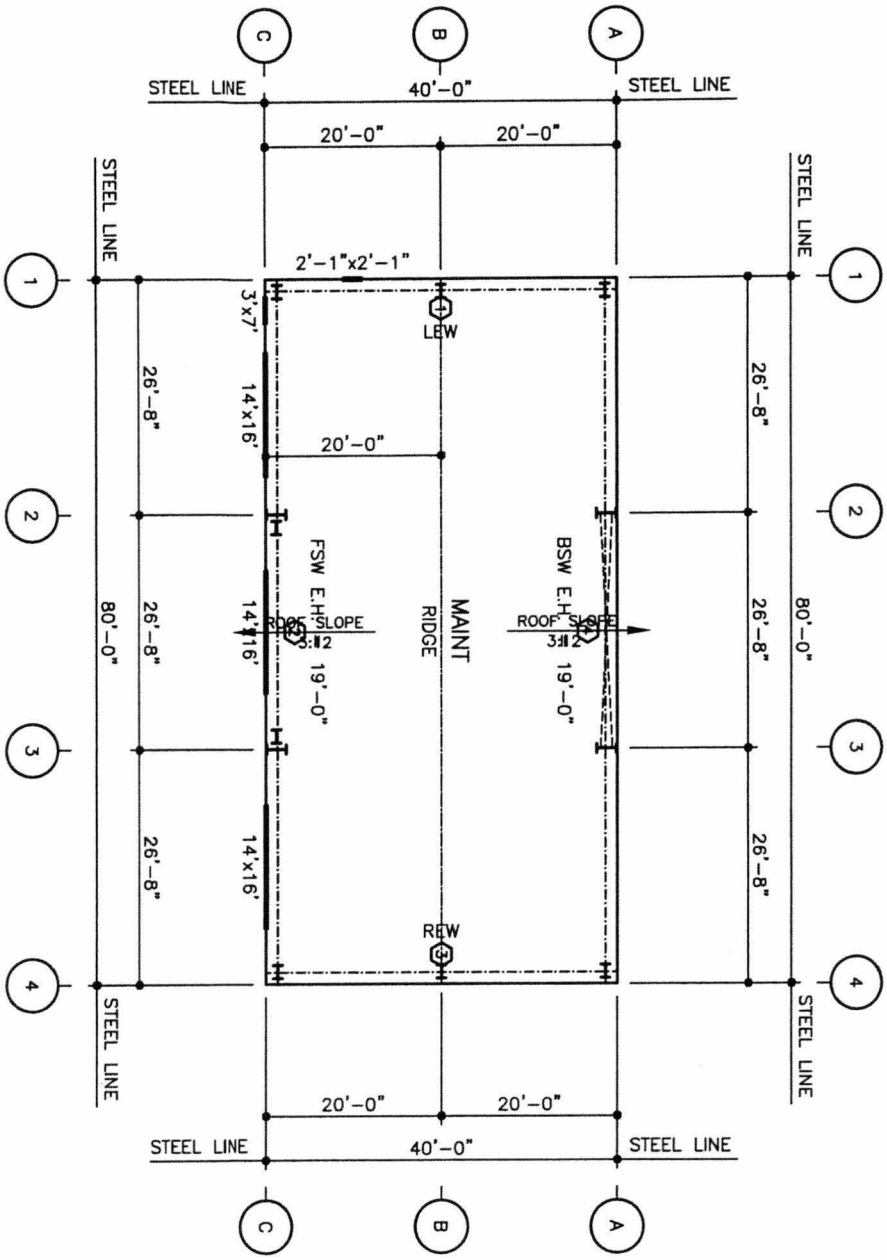


DOCUMENT NO: 249815
RECORDED ON: OCTOBER 22, 2003 11:19:52AM
TOTAL FEES: $14.00
TRANSFER TAX: $78.00
COUNTY CLERK: SUE CARROLE PERRY
COUNTY: SHELBY COUNTY
DEPUTY CLERK: SUE CARROLE PERRY

DRAWN BY: CBM	SURVEY FOR: WEST SHELBY WATER DISTRICT 7101 SHELBYVILLE ROAD SIMPSONVILLE, KY. 40067	PREPARED BY: ... & Associates ... Boulevard, Suite 624 ... (502) 633-5100
DATE: SEPT. 23, 2003		
SCALE: 1" = 80'	PROPERTY OWNER: SHELBY PROPERTIES, LLC 6535 SHELBYVILLE ROAD SIMPSONVILLE, KY. 40067	
SOURCE: DB. 366 PG 555		

BOOK D445 PAGES 701 - 704

EXHIBIT B 2



WALL LINER PANEL SCHEDULE

ID	LINER TYPE	DIST. FROM LEFT	BOTTOM OF PANEL AFF	TOP OF PANEL AFF	LENGTH
1	FULL WIDTH	0'-0"	0'-0"	14'-0"	40'-0"
2	FULL WIDTH	0'-0"	0'-0"	14'-0"	39'-0"
3	FULL WIDTH	0'-0"	0'-0"	14'-0"	40'-0"
4	FULL WIDTH	0'-0"	0'-0"	14'-0"	39'-0"

EXHIBIT C

DO NOT USE FOR FINAL CONSTRUCTION

SHEET TITLE: 5/17/2018 10:38 AM
PRELIMINARY FLOOR PLAN

SHEET NUMBER: FP1

QUOTE NUMBER: S0F-18045

PROJECT NAME:
WEST SHELBY
SIMPSONVILLE, KY

CUSTOMER NAME:
R E PURNELL CONSTRUCTION
SHELBYVILLE, KY

NUCOR BUILDING SYSTEMS

Drawing Generated by eQuote

R.E. PURNELL CONSTRUCTION CO., INC.

P.O. BOX 1559
SHELBYVILLE, KENTUCKY 40066-1559
(502) 647-1466 FAX (502) 647-1465

Proposal, West Shelby Water District Maintenance Building

Concrete:

8" Grade Beam, 4000PSI
6" Slab, 4000PSI with Tuff Strand
Footer 3' x 3' x 1' @ Piers
15' x 80' Apron

Building:

40' x 80' x 19' 3/12 Pitch PEMB
3-14' x 16' Front Opening with insulated doors, with manual operators
1 - 3' x 7' Main Door
1 - 14' White Liner Panel
1- 2' x 2' Frame' Opening with Exhaust Fan
26 Gauge Painted siding
26 Gauge Galvalume Roof
Gutters and Downspouts

Insulation:

Walls R-19 – WMP – VRR
Roof R-30 Skyliner System Banded

Electric:

240 Volt 200 Amp single phase service
Three (3) Outlets for Door Opener
Four (4) Hi-bay LED Fixture
Four (4) Hi-bay LED fixture installation
Three (3) 33 watt Exterior Wall Packs with photo cell
Three (3) 33 watt Exterior Wall Packs with photo cell installation
Exit/Emergency Fixture
Exit/Emergency Fixture installation
Ten (10) Shop plugs
Ceiling Fan opening only
240 Volt 30 Amp Circuit for Air Compressor

EXHIBIT D 1

Electric cont'd:

240 Volt 30 Amp Circuit for Water Heate
Temp Pole Installation
Six (6) Single Pole Switches
Eight (8) Office plugs
Two (2) 2 x 4 Four Bulb lay-in fixture with 4 LED Bulbs
Two (2) 2 x 4 Four Bulb lay-in fixture with 4 LED Bulbs installation
24" Exhaust fan and installation
Administrative/Overhead

Plumbing:

Plans and Permits
Plumbing for Water Closets
Plumbing for Bathroom Sink
Plumbing and installation of Shower
Supply and install 40 Gallon Electric Water Heater
Install Gas Main from meter on building to Furnace

1 Mansfield Ada Elongated Toilet
1 Lucern wall Hung Sink
1 Five Foot Fiberglas Shower
1 Delta Single Handle Faucet
1 Delta Single Handle Delta Shower Valve

Water Service: Water will be stubbed out of building five (5) Feet. Cost of water service to be determined at later date.

Sewer Line: Sewer line stubbed out of building two (2) Feet. Cost of sewer to be determined at later date.

Doors:

Three (3) Clopay Insulated Sectional Door, White, no windows

Office:

Office and Bathroom to each be 12 x 12 x 8'.
Wood Frame. Drywall exterior and interiors.

Office Cont'd:

Pre-Hung Wood Doors
Painted interior and exterior
Floor: Concrete, bare finish
Ceiling: 2 x 4 Drop Ceiling

Base Price $218,883.00 includes fan allowance of $4000
(Excludes sales tax and permits)

(Alternate 1: Add for Electric Openers $4,750.00)

Bid submitted this 17th day of May, 2018.

Robert E. Purnell, Jr.

EXHIBIT D 3

EXHIBIT E 1

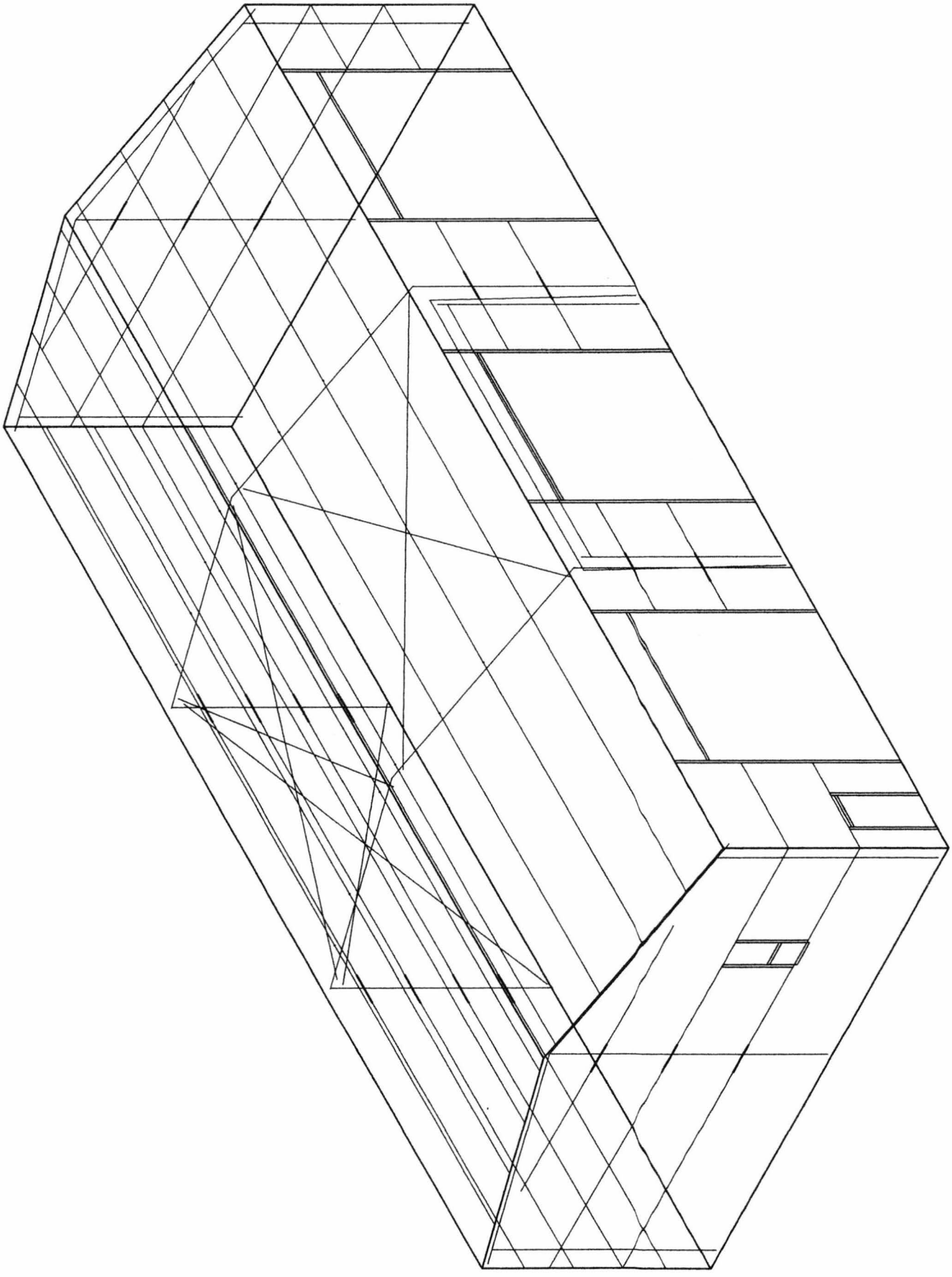


EXHIBIT E 2

NUCOR
BUILDING SYSTEMS
200 Whetstone Rd
Swansea, SC 29160
www.NucorBuildingSystems.com
PH: 803/568-2100
FAX: 803/568-2121

LETTER OF TRANSMITTAL

Project No: **S18F0391A**
To: **RE Purnell Construction**
429 Haven Hill Rd.
Shelbyville, KY 40065

Project Name: **West Shelby**
Date: **6/6/2018**
Attn: **Rob Purnell**
(502) 647-1466

Drawings have been e-mailed to the following in .pdf format:
E-mail address: **rep@reprents.com**

We are sending you the following items:
[X] Prints [ ] Other:
Sent Via: [ ] Ground [ ] Overnight-Standard [ ] Other [ ] Overnight-Priority

Customer **Must** Receive By: **6/7/2018**

	DESCRIPTION
1	Anchor Bolt Plan(s) - Sheets: **C1, F1, F2, R1**
	Column Base Reactions
	Approval Drawing Set - Sheets:
	Confirmation Drawing Set - Sheets:
	Permit Drawing Set - Sheets:
	Design Calculations
	Erection Drawing Set - Sheets:
	Bill Of Materials List
1	Letter Of Design Certification
	Revised Anchor Bolt Plan(s) - Sheets:

MAILED
JUN 06 2018

[ ] **APPROVAL** [ ] **CRANE CONFIRMATION** [ ] **FOR PROGRESS**
[ ] **MEZZANINE CONFIRMATION** [ ] **RTU CONFIRMATION** [ ] **FOR PERMIT**
[ ] **HANGAR CONFIRMATION**

[ ] Final detailing and fabrication **HAVE NOT BEEN** scheduled. Your price is protected based on the must ship date shown on the order contract. Please return the approved drawings no later than _____ so we can begin final detailing and determine a delivery schedule. If the drawings are not returned by this date, the schedule and price will be subject to change.

[ ] Final detailing and fabrication **HAVE BEEN** scheduled. Your price is protected based on the must ship date shown on the order contract. Please return the approved drawings no later than _____ so we can begin final detailing and and determine a delivery scheduled. If the drawings are not returned by this date, the schedule and price will be subject to change.

[ ] **FOR PRELIMINARY USE ONLY**
Joist Bridging Information to follow

[ ] Final detailing and fabrication have been scheduled. Changes or alterations to the building may cause the schedule and/or price to be subject to change.

[ ] Final detailing has been scheduled. Changes or alterations to the building may cause the price to be subject to change. **FABRICATION HAS NOT BEEN SCHEDULED.**

[X] **FOR ERECTION (A. BOLTS)**

Final detailing and fabrication have been scheduled. Changes or alterations to the building may cause the schedule and/or price to be subject to change.

[ ] **FOR PRELIMINARY USE ONLY**

Remarks: _____

Copy To: **File**
Signed: **Glen Vandekerkhove**
Dtlr: JMT Eng: JL Proj. Coordinator: ATS

v3.8

EXHIBIT F 1

NUCOR BUILDING SYSTEMS GROUP

200 Whetstone Road
Swansea, SC 29160

Ph: (803) 568-2100
Fax: (803) 568-2121

Version 2018.4.3 (4/8/18)

June 6, 2018

R E Purnell Construction
429 Haven Hill Road
Shelbyville, KY 40065
Attn.: Rob Purnell

Project Name: west shelby
Buildings: A->40'-0"x80'-0"x19'-6"(RCG,3.0:12)

Project Location: Simpsonville, KY 40067
NBS Project #: S18F0391A

This Letter of Design Certification ensures that the materials supplied by Nucor Buildings Group are designed in accordance with the information specified to NBG on the order documents and summarized by the loading information listed below. The Project Engineer of Record (not Nucor Buildings Group) 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 Nucor Buildings Group, a Member of MBMA, 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: Kentucky (KYBC 2013)
Risk Category: II - Standard Buildings

PROJECT-WIDE LOADING INFORMATION:

Ground Snow Load: 15.0 psf — Snow Exposure Factor,Ce: 1.00 — Snow Imp. Factor, Is: 1.00
Roof Live Load: 20.0 psf — Reducible As Per Code.
Ultimate Design Wind Velocity: 115 mph — Nominal Design Wind Velocity: 89 mph
***Components & Cladding Pressures: 31 psf/ -42 psf
Is Roof to meet UL 90 Requirements?: No — Wind Exposure: C
Seismic Criteria: Ss: 0.221 S1: 0.095 — • No ground snow included in seismic calculations.
Design Sds / Sd1: 0.236/0.152 — Analysis Procedure: Equiv. Lat. Force Procedure
Seis. Imp. Factor, Ie: 1.00 — Basic SFRS: Not Detailed for Seismic
Seis. Design Category: C — Site Class: D

BUILDING-SPECIFIC LOADING INFORMATION:

	Roof Dead	Collateral Dead		Snow Coefficient		Snow Load (psf)		Wind		Seismic		
Bldg	(psf)*	Pri (psf)	Sec (psf)	Ct	Cs	Ps (psf)	**Pm (psf)	Enclosure	GCpi	R	Cs	V (kips)
A	3.0	2.0	2.0	1.1	0.93	10.77	15.00	Enclosed	± 0.18	3.00	0.079	2.2

**Primary Structural Not Included*

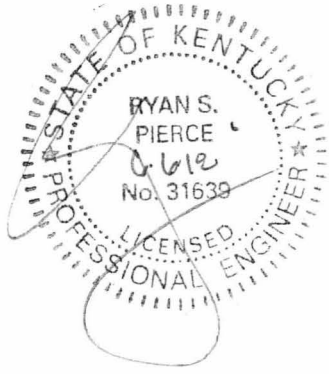
***P_m is based on the minimum roof snow load calculated per building code or the contract-specified roof snow load, whichever is greater. This value, P_m, is only applied in combination with Dead and Collateral Loads. Roof Snow in other loading conditions is determined per the specified Building Code.*

****Design wind pressures to be used for wall exterior component and cladding materials not provided by Nucor Building Systems.*

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.
- AISI 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.
- AWS Latest Edition of Structural Welding Code.
- No buyout structural components provided on this project.

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Excellence from the ground up

EXHIBIT F 2

IAS ACCREDITED AC 472

EXHIBIT F 3

NUCOR
BUILDING SYSTEMS
A DIVISION OF NUCOR CORPORATION

PROJECT NUMBER: S18F0391A
PROJECT NAME: West Shelby
PROJECT LOCATION: Simpsonville, KY 40067
CUSTOMER: R E Purnell Construction

MBMA MEMBER
IAS ACCREDITED AC472

Notes and Specifications

Building Erection Notes

1) The general contractor and/or erector is responsible to safely and properly erect the metal building system in conformance with these drawings, OSHA requirements and metal building system in conformance with these drawings, OSHA requirements and either MBMA or CSA S16 standards pertaining to proper erection. This includes, but is not limited to, the correct use of temporary guys and bracing where needed for squaring, plumbing, and securing the structural and secondary framing. Secondary wall framing members (girts or bar joists) are not designed to function as a work platform or provide safety tie-off attachment in accordance with OSHA requirements. Secondary roof framing members (purlins or bar joists) are not designed to provide safety tie-off attachment in accordance with OSHA requirements.

2) A325 & A490 Bolt tightening requirements:
It is the responsibility of the erector to ensure proper bolt tightness in accordance with applicable regulations. See the RCSC Specification for Structural Joints Using A325 or A490 Bolts for more information.

The following criteria may be used to determine the bolt tightness (i.e., "snug-tight" or "fully-pretensioned"), unless required otherwise by local jurisdiction or contract requirements:
A) All A490 bolts shall be "fully-pretensioned".
B) All A325 bolts in primary framing (rigid frames and bracing) may be "snug-tight", except as follows:
"Fully-pretension" A325 bolts if:
a) Building supports a crane system with a capacity greater than 5 tons.
b) Building supports machinery that creates vibration, impact or stress-reversals on the connections. The Engineer-of-Record for the project should be consulted to evaluate for this condition.
c) The project site is located in a high seismic area. For IBC-based codes, "High Seismic Area" is defined as "Seismic Design Category" of "D", "E", or "F". See the "Building Loads" section of this page for the defined seismic design category for this project.
d) Any connection designated in these drawings as "A325-SC", "Slip-Critical (SC)" connections must be free of paint, oil, or other materials that reduce friction at contact surfaces. Galvanized or lightly rusted surfaces are acceptable.
C) In Canada, all A325 and A490 bolts shall be "fully pre-tensioned", except for secondary members (purlins, girts, opening framing, etc.) and flange braces.
D) Secondary members (purlins, girts, opening framing, etc.) and flange brace connections may always be "snug-tight", unless indicated otherwise in these drawings.

3) The metal building supplier shall be notified prior to any field modifications. Modifications shall be approved by the metal building supplier before work is undertaken.

4) Common Abbreviations:
a) TYP UNO – Typical Unless Noted Otherwise
b) SLV – Short Leg Vertical
c) LLV – Long Leg Vertical
d) NS & FS – Near Side and Far Side
e) O.A.L. – Overall Length
f) SIM – Similar
g) NIC – Not In Contract
h) SL – Steel Line
i) N/A – Not Applicable
j) MBS – Metal Building Supplier

5) Construction loads shall not be placed on any structural steel framework unless such framework is safely bolted, welded, or otherwise adequately secured.

6) Purlins and girts shall not be used as an anchorage point for a fall arrest system unless written approval is obtained from the metal building supplier.

7) Purlins may only be used as a walking/working surface when installing safety systems, after all permanent bridging has been installed and fall protection is provided.

8) Construction loads may be placed only within a zone that is within 8 feet of the center line of the primary support member. CFR bundles should be placed directly over the rigid frames.

9) All lifting devices must meet OSHA or MSHA standards and in no case is it acceptable to use structural members supplied by the MBS as a spreader bar or lifting device.

General Design Notes

1) All structural steel sections and welded plate members are designed in accordance with ANSI/AISC 360 "Specifications for Structural Steel Buildings" or the CAN/CSA S16 "Limit States Design of Steel Structures", as required by the specified building code.
2) All welding of structural steel is based on either AWS D1.1 "Structural Welding Code – Steel" or CAN/CSA W59 "Welded Steel Construction (Metal Arc Welding)", as required by the specified building code.
3) All cold formed members are designed in accordance with ANSI/AISI S11 or CAN/CSA S136 "Specifications for the Design of Cold Formed Steel Structural Members", as required by the specified building code.
4) All welding of cold formed steel is based on AWS D1.3 "Structural Welding Code – Sheet Steel" or CAN/CSA W59 "Welded Steel Construction (Metal Arc Welding)", as required by the specified building code.
5) This Metal Building Supplier facility is IAS AC-472 Accredited and CAN/CSA A660 and W47.1 Certified (if applicable) for the design and manufacturing of Metal Building Systems.
6) If joists are included with this project, they are supplied as a part of the systems engineered metal building and are fabricated in accordance with the requirements of Section 1926.758 of the OSHA safety standards for steel erection, dated January 18, 2001.

Material Specifications

Plate and Flange Material:
5" – 12" Wide, to 1 1/4" Th. —— A529 Grade 55
Others —— A572 Grade 50
Built-Up Structural Web —— A1011 SS (or HSLAS Class 1) Grade 55
Hot-Rolled Structural —— A36 or A572 Grade 50 or A992 Grade 50
Structural Tube —— A500 Grade B (46 KSI)
Structural Pipe —— A500 Grade B (42 KSI)
Cold-Formed Structural —— A1011 or A1039 SS (or HSLAS Class 1) or A653 Grade 55
Classic Roof Panel —— A792 Grade 80
CFR / VR16 II Roof Panel —— A792 Grade 50, Class 1
All Wall Panel Profiles —— A653 Grade 80, Class 1 or A792 Grade 80, Class 1
Rod Bracing —— A529 Grade 50
Welds —— AWS D1.1/D1.3 or CSA W59 per Building Code
High-Strength Bolts —— A325 Type 1 or A490 Type 1 Heavy Hex
Machine Bolts —— A307 Grade A Hex

TRADEMARK 1998, NUCOR BUILDING SYSTEMS

PRIMARY AND SECONDARY STEEL PRIMER COLOR: RED
ROOF SHEETING, TYPE: Classic 26 GAGE, FINISH: Galvalume
ROOF PANEL CLIP TYPE: ☒ N/A ☐ TALL ☐ SHORT ☐ UTILITY ☐ FIXED ☐ FLOATING
THERMAL BLOCKS: ☐ YES ☐ NO EPS FOAM SPACER: ☐ YES ☐ NO
SEAMING METHOD (FOR CFR ONLY): ☐ "ROLL LOCK"™ ☐ "VISE LOCK"™ ☐ "VISE LOCK 360"™
REFER TO THE DETAIL PAGES FOR ADDITIONAL SEAMING INFORMATION
COMPOSITE CFR DECK, TYPE: N/A ___ GAGE, FINISH: ___
ROOF LINE TRIM, PAINTED: Fox Gray SP
EXTERIOR WALL SHEETING, TYPE: Reverse Classic 26 GAGE, FINISH: Fox Gray SP
EXTERIOR WALL CORNER TRIM FINISH: Fox Gray SP
EXTERIOR BASE TRIM, PAINTED: Fox Gray SP
FRAMED OPENING TRIM, PAINTED: Fox Gray SP
WALL FRAMED OPENING, SIZES: FSW (3) 14'–0" W x 16'–0" H
BSW none
LEW (1) 2'–1" W x 18'–1", window sill at 16'–0"
REW none
INTERIOR WALL SHEETING, TYPE: Classic 26 GAGE, FINISH: Polar White SP
INTERIOR CEILING LINER, TYPE: N/A ___ GAGE, FINISH: ___
INTERIOR WALL TRIM, PAINTED: Polar White SP

YES	NO	
☒	☐	DOWNSPOUTS PAINTED: Fox Gray SP GUTTERS PAINTED: Fox Gray SP
☒	☐	WALKDOORS, QUANTITY: (1) 3070 PAINTED: Polar White SP
☐	☒	WINDOWS: ___ PAINTED: ___
☒	☐	INSULATION (NOT BY MBS). ROOF: 3.5 INCH WALLS: 6 INCH
☐	☒	CRANES (SEE CRANE PLAN FOR ADDITIONAL CRANE INFORMATION)
☐	☒	MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL MEZZANINE INFO)
☐	☒	WALL TRANSLUCENT PANELS:
☐	☒	ROOF TRANSLUCENT PANELS:
		INSULATED PANELS YES ☐ NO ☐
☐	☒	PIPE JACKS, SIZE: ___ QUANTITY: ___
☐	☒	ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES
☐	☒	RIDGE VENTS, 10'–0" LONG X 9" THROAT. QUANTITY: ___

FOR OCCUPANCY CATEGORY I OR II BUILDINGS, IBC ALLOWS FOR SINGLE STORY BUILDINGS TO HAVE NO LIMIT FOR SEISMIC STORY DRIFT. PLEASE NOTE THAT ANY INTERIOR WALLS, PARTITIONS, CEILINGS, AND EXTERIOR WALLS SHOULD BE DETAILED (BY OTHERS) TO ACCOMMODATE THIS STORY DRIFT.

YES	NO	
☐	☒	FASCIA, PROJECTION: ___ TOP OF FASCIA HEIGHT: ___
		FACE PANEL, TYPE: ___ GAGE, FINISH: ___
		BACK PANEL, TYPE: ___ GAGE, FINISH: ___
		CAP TRIM PAINTED: ___ BASE TRIM PAINTED: ___
☐		CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM: ___
		SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___
		SOFFIT TRIM AT BUILDING LINE PAINTED: ___
☐		OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED)
		CLEAR UNDER FASCIA: ___
☐	☒	PARAPET SYSTEM
☐		STRUCTURAL PARAPET ☐ NON-STRUCTURAL PARAPET
		TOP OF PARAPET HEIGHT: ___
		BACKER PANEL, TYPE: ___ GAGE, FINISH: ___
☐	☒	CANOPY, PROJECTION: ___
		AT EAVE LINE ☐ BELOW EAVE ☐
		ROOF PANEL, TYPE: ___ GAGE, FINISH: ___
		SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___
		SOFFIT TRIM AT BUILDING LINE PAINTED: ___
		CLEAR UNDER CANOPY BEAM: ___
☐	☒	EAVE EXTENSION, PROJECTION: ___
		SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___
		SOFFIT TRIM AT BUILDING LINE PAINTED: ___
☐	☒	RAKE EXTENSION, PROJECTION: ___
		SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___
		SOFFIT TRIM AT BUILDING LINE PAINTED: ___
☐	☒	PARTITION WALL SHEETING
		PANEL TYPE: ___ GAGE, FINISH: ___
		PARTITION WALL TRIM COLOR: ___
☐	☒	WAINSCOT
		WALL PANEL, TYPE: ___ GAGE, FINISH: ___
		BASE TRIM PAINTED: ___ JAMB TRIM PAINTED: ___
		TRANSITION TRIM PAINTED: ___

MAILED
JUN 06 2018

BUILDING LOADS

DESIGN CODE: KYBC 2013
ROOF LIVE LOAD: 20.00 PSF MBMA OCC. CLASS: II
LIVE LOAD REDUCIBLE Yes
GROUND SNOW LOAD: 15.0 PSF SNOW EXP. FACTOR, Ce: 1.00
SNOW IMPORTANCE FACTOR, Is: 1.00
WIND: 115 / 89 MPH
(Vult) / (Vasd)
***C & C PRESSURES (PSF): 31 / -42
EXPOSURE: C
UL 90 NO
Classic Roof-Const. No. 161; Classic Roof w/ Translucent Panel-Const. No. 167
CFR Roof-Const. No. 552; CFR Roof w/ Translucent Panel-Const. No. 590;
Composite CFR Roof-Const. No. 552A; VR16 II Roof-Const. No. 332.
SEISMIC INFORMATION Ss: 0.221 S1: 0.095
Design Sds/Sd1: 0.236 / 0.152 Site Class: D
Seismic Imp. Factor: 1.00 Seismic Design Category: C
Analysis Procedure: Equivalent Lateral Force Method
Basic SFRS: Not Detailed for Seismic

NOTES:
1) COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC., ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 500 POUNDS (USING THE WEB MOUNT DETAIL) OR 200 POUNDS (USING THE FLANGE MOUNT DETAIL), OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.

2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE.

3) Pm IS BASED ON THE MINIMUM ROOF SNOW LOAD CALCULATED PER BUILDING CODE OR THE CONTRACT SPECIFIED SNOW LOAD, WHICHEVER IS GREATER. THIS VALUE, Pm, IS ONLY APPLIED IN COMBINATION WITH THE DEAD AND COLLATERAL LOADS. ROOF SNOW IN OTHER LOADING CONDITIONS IS DETERMINED PER THE SPECIFIED BUILDING CODE.

BUILDING	A
ROOF DEAD (PSF):	3.0
PRI. COL. (PSF):	2.0
SEC. COL. (PSF):	2.0
SNOW Ct:	1.1
SNOW Cs:	0.93
ROOF SNOW Ps (PSF):	10.77
ROOF SNOW Pm (PSF):	15.00
WIND ENCLOSURE:	Closed
GCpi:	+/- 0.18
SEISMIC R:	3.00
SEISMIC Cs:	0.079
BASE SHEAR (KIPS):	2.2

ERECTION MANUALS REQUIRED (ERECTION MANUALS ARE SHIPPED WITH THE BUILDING IN A WAREHOUSE PACKING CRATE)		
☐ CFR ROOF	☐ H9700 OR ☐ H8260	☐ SINGLE CURB (H9850)
☒ CLASSIC ROOF	☒ H9420 OR ☐ H8201	☐ DOUBLE CURB (H9800)
☒ WALL SHEETING	☒ H9430 OR ☐ H8300	☐ VR16 II (H9925)

RYAN S. PIERCE
No. 31639
LICENSED PROFESSIONAL ENGINEER

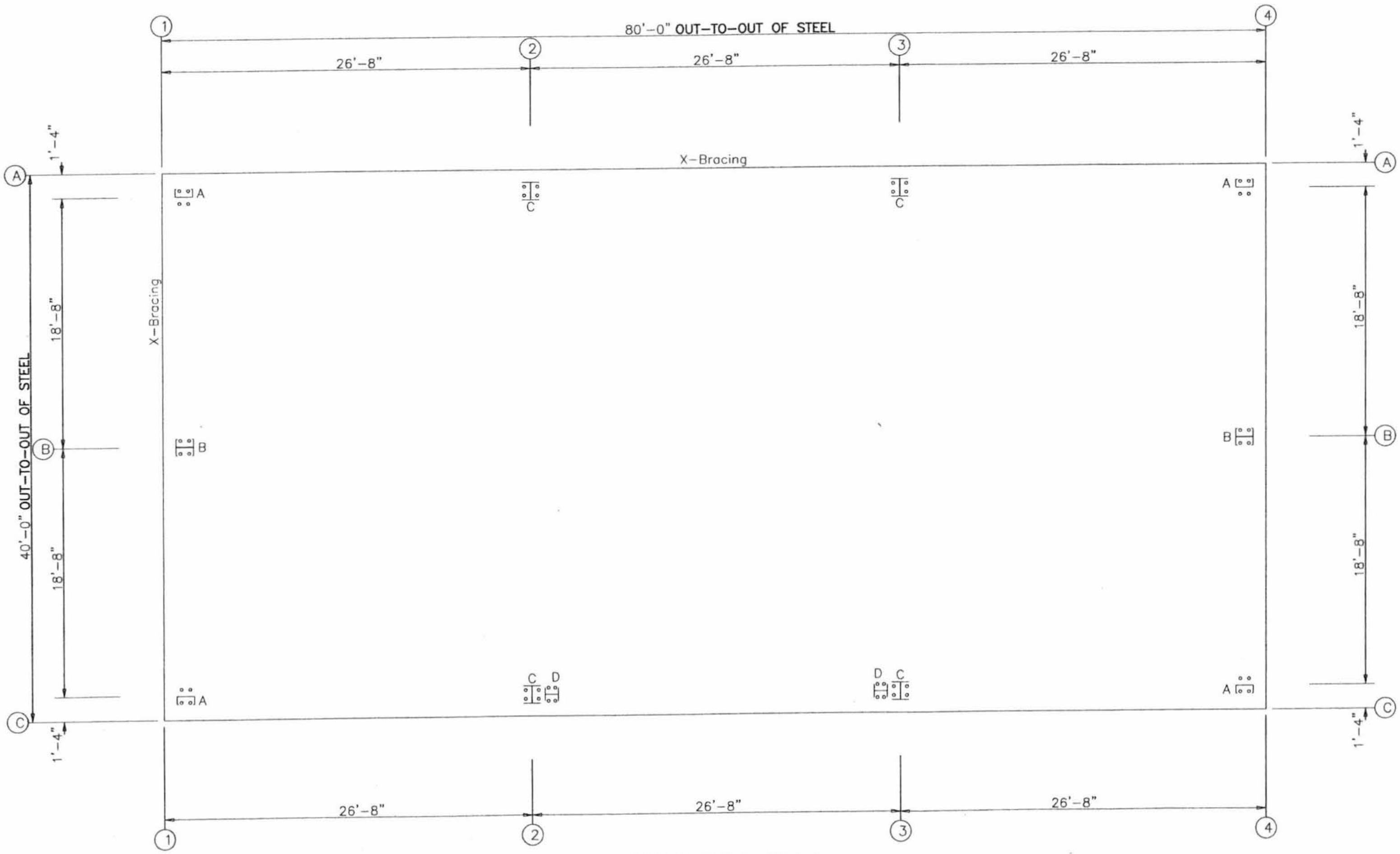
DRAWING INDEX

ISSUE: CONSTRUCTION ANCHOR BOLTS DWN: MBS CHK: JMT PE: [initials] DATE: 6/6/18

NUCOR BUILDING SYSTEMS

PROJECT NAME: WEST SHELBY
492 3RD STREET, SIMPSONVILLE, KY 40067
CUSTOMER NAME: R E PURNELL CONSTRUCTION
SHELBYVILLE, KY 40065
SHEET TITLE
JOB NUMBER: S18F0391A
SHEET: C1 of 1

EXHIBIT F 4



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

o Dia= 3/4"

ANCHOR BOLT SUMMARY

	Qty	Locate	Dia (in)	Type	Proj (in)
O	24	Endwall	3/4"	F1554	3.00
O	16	Frame	3/4"	F1554	3.00
O	8	WindCol	3/4"	F1554	3.00

ANCHOR BOLT PLAN

GENERAL NOTES

1. THE SPECIFIED ANCHOR ROD DIAMETER ASSUMES F1554 GRADE 36 UNLESS NOTED OTHERWISE. ANCHOR ROD MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER. ANCHOR ROD EMBEDMENT LENGTH SHALL BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER.
2. METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR PROJECT FOUNDATION DESIGN. THE FOUNDATION DESIGN IS THE RESPONSIBILITY OF A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS.
3. ALL ANCHOR RODS, FLAT WASHERS FOR ANCHOR RODS, EXPANSION BOLTS, AS WELL AS ALL CONCRETE/MASONRY EMBEDMENT PLATES ARE NOT BY METAL BUILDING MANUFACTURER.
4. THIS DRAWING IS NOT TO SCALE.
5. FINISHED FLOOR ELEVATION = 100'-0" UNLESS NOTED OTHERWISE.
6. "SINGLE" CEE COLUMNS SHALL BE ORIENTED WITH THE "TOES" TOWARD THE LOW EAVE UNLESS NOTED OTHERWISE.
7. ANCHOR RODS ARE REQUIRED ONLY IN THE QUANTITIES SPECIFIED. BASEPLATES MAY BE FABRICATED WITH MORE HOLES THAN NEEDED FOR THIS PROJECT.
8. THE ANCHOR BOLT LOCATIONS PROVIDED BY METAL BUILDING MANUFACTURER SATISFY PERTINENT REQUIREMENTS FOR THE DESIGN OF THE MATERIALS SUPPLIED BY THE METAL BUILDING MANUFACTURER. PLEASE NOTE THAT THESE REQUIREMENTS MAY NOT SATISFY ALL ANCHOR BOLT CONCRETE EDGE DISTANCE REQUIREMENTS DEPENDING ON THE DETAILS OF THE FOUNDATION DESIGN. BECAUSE FOUNDATION DESIGN IS NOT WITHIN THE METAL BUILDING MANUFACTURER'S SCOPE OF WORK, IT IS THE RESPONSIBILITY OF THE QUALIFIED PROFESSIONAL DESIGNING THE FOUNDATION TO MAKE CERTAIN THAT SUFFICIENT CONCRETE EDGE DISTANCE IS PROVIDED FOR THE ANCHOR BOLTS IN THE DETAILS OF THE FOUNDATION DESIGN.

STATE OF KENTUCKY
RYAN S. PIERCE
No. 31639
LICENSED PROFESSIONAL ENGINEER

ISSUE	DWN	CHK	ENG	PE	DATE
CONSTRUCTION ANCHOR BOLTS	MBS	JMT	JC		6/6/18

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PHONE: (803) 568-2100 FAX: (803) 568-2121
600 APACHE TRAIL, TERRELL, TX 75160
PHONE: (972) 524-5407 FAX: (972) 524-5417
1050 WATERY LANE, BRIGHAM CITY, UT 84302
PHONE: (435) 919-3100 FAX: (435) 919-3101

PROJECT NAME
WEST SHELBY
492 3RD STREET, SIMPSONVILLE, KY 40067

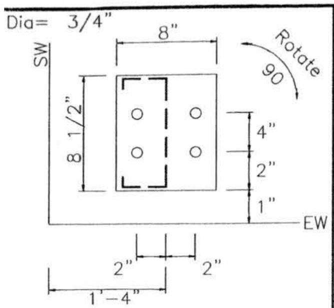
CUSTOMER NAME
R E PURNELL CONSTRUCTION
SHELBYVILLE, KY 40065

JOB NUMBER
S18F0391A

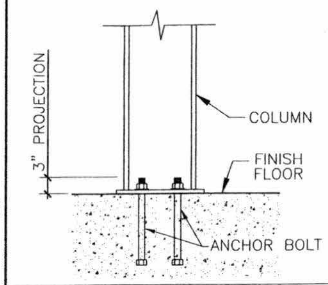
SHEET TITLE

This seal pertains only to the materials designed and supplied by Nucor Building Systems, a division of Nucor Corporation. The drawings and the metal buildings which they represent are the product of Nucor Building Systems. The register professional engineer whose seal appears on these drawings is employed by Nucor Buildings Systems and does not serve as or represent the project engineer of record and shall not be construed as such.

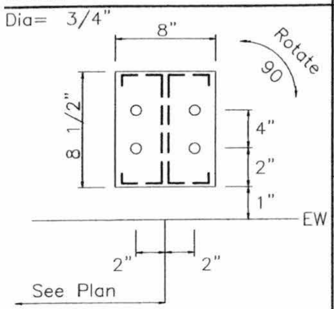
SHEET
F1 of 2



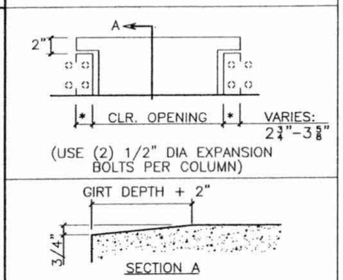
DETAIL A



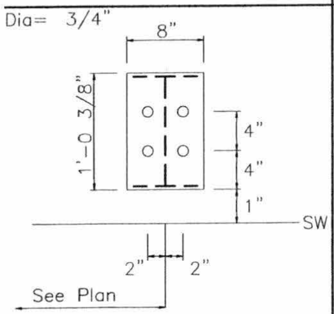
TYPICAL COLUMN BASE PLATE DETAIL



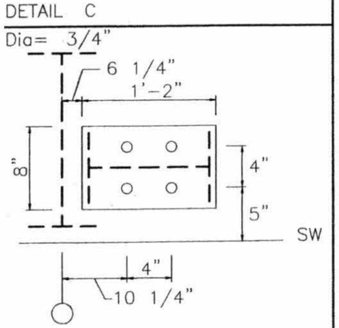
DETAIL B



(RECOMMENDED)
TYPICAL OVERHEAD DOOR FRAMED OPENING



DETAIL C



DETAIL D

FOUNDATION DESIGN NOTES:

1. THE ORIENTATION OF THE ANCHOR BOLT DETAILS SHOWN ON THIS PAGE MAY NOT COINCIDE WITH THE ACTUAL COLUMN ORIENTATION SHOWN ON PAGE F1. PLEASE REFERENCE THE SIDEWALL (SW) AND ENDWALL (EW) STEEL LINES SHOWN ON THE ANCHOR BOLT DETAILS WITH THE ANCHOR BOLT PLAN ON PAGE F1 DURING LAYOUT OF COLUMN AND ANCHOR BOLT LOCATIONS.

2. COLUMN BASE PLATES MAY HAVE MORE HOLES THAN ARE REQUIRED DUE TO PRODUCTION LIMITATIONS. PLEASE FOLLOW ANCHOR BOLT DETAILS FOR QUANTITY OF ANCHOR BOLTS REQUIRED. EXTRA BASE PLATE HOLES DO NOT NEED INFILLED PER THE MBS DESIGN SPECIFICATIONS.

ISSUE	DWN	CHK	ENG	PE	DATE
CONSTRUCTION ANCHOR BOLTS	MBS	JMT	JL		6/6/18

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SHEET TITLE

JOB NUMBER
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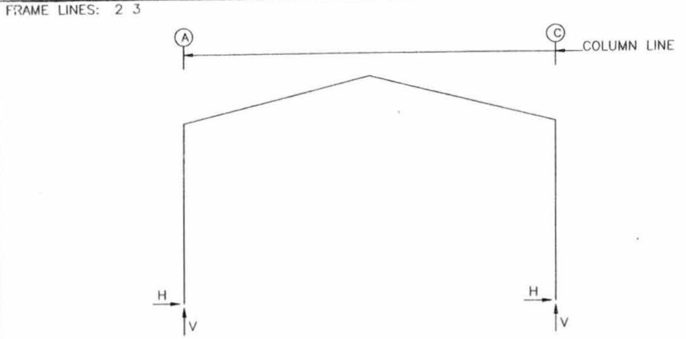
STATE OF KENTUCKY
RYAN S. PIERCE
6-6-18
No. 31639
LICENSED PROFESSIONAL ENGINEER

EXHIBIT F 6

FRAME LINES: 2 3



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
2*	A	0.6	2.3	0.4	1.2	2.1	6.7	1.9	6.0	-9.6	-15.9	5.0	-5.8
2*	C	-0.6	2.3	-0.4	1.2	-2.1	6.7	-1.9	6.0	-5.0	-5.8	9.6	-15.9

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
2*	A	-10.7	-10.6	3.9	-0.5	2.1	-11.0	0.9	-9.9	-0.6	-0.6	0.6	0.6
2*	C	-3.9	-0.5	10.7	-10.6	-0.9	-9.9	-2.1	-11.0	-0.6	0.6	0.6	-0.6

Frame Line	Column Line	MIN_SNOW Horiz	MIN_SNOW Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
2*	A	2.6	8.4	1.6	5.8	1.6	3.5
2*	C	-2.6	8.4	-1.6	3.5	-1.6	5.8

2* Frame lines: 2 3

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert
1	A	0.6	0.3	2.7	1.6	-3.9	-2.7	-2.1	-0.9	-2.4	2.8	-4.1	-2.6
1	B	1.3	0.6	5.1	3.0	-5.7	-6.5	-3.9	-4.7	-5.8	6.4	-5.9	-5.7
1	C	0.6	0.3	2.7	1.6	-3.3	-4.0	-1.7	-2.2	-2.5	2.9	-2.6	-4.3

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	MIN_SNOW Horz	MIN_SNOW Vert	E1UNB_SL_L Horz	E1UNB_SL_L Vert	E1UNB_SL_R Horz	E1UNB_SL_R Vert	E1PAT_LL_1 Horz	E1PAT_LL_1 Vert	E1PAT_LL_2 Horz	E1PAT_LL_2 Vert
1	A	0.0	0.1	0.0	2.2	0.0	1.7	0.0	0.5	0.0	2.7	0.0	0.0
1	B	0.0	-0.1	0.0	4.1	0.0	2.5	0.0	2.5	0.0	2.6	0.0	2.5
1	C	0.0	0.0	0.0	2.2	0.0	0.5	0.0	1.7	0.0	0.0	0.0	2.7

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind Left1 Vert	Wind Right1 Vert	Wind Left2 Vert	Wind Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind Long1 Vert	Wind Long2 Vert
4	C	0.6	0.3	2.7	1.6	-4.0	-2.7	-2.2	-1.3	-2.5	2.9	-4.1	-2.6
4	B	1.3	0.6	5.1	3.0	-6.5	-6.5	-4.3	-4.3	-5.8	6.4	-5.9	-6.0
4	A	0.6	0.3	2.7	1.6	-2.7	-3.9	-1.3	-2.1	-2.4	2.8	-2.6	-4.1

Frm Line	Col Line	Seis Left Vert	Seis Right Vert	MIN_SNOW Horz	MIN_SNOW Vert	E2UNB_SL_L Horz	E2UNB_SL_L Vert	E2UNB_SL_R Horz	E2UNB_SL_R Vert	E2PAT_LL_1 Horz	E2PAT_LL_1 Vert	E2PAT_LL_2 Horz	E2PAT_LL_2 Vert
4	C	0.0	0.0	0.0	2.2	0.0	1.7	0.0	0.5	0.0	2.7	0.0	0.0
4	B	0.0	0.0	0.0	4.1	0.0	2.5	0.0	2.5	0.0	2.5	0.0	2.6
4	A	0.0	0.0	0.0	2.2	0.0	0.5	0.0	1.6	0.0	0.0	0.0	2.7

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)
2*	A	4	0.750	8.000	12.38	0.375	0.0
2*	C	4	0.750	8.000	12.38	0.375	0.0

2* Frame lines: 2 3

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

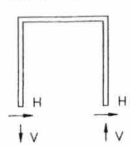
Frm Line	Col Line	Anc._Bolt Qty	Anc._Bolt Dia	Base_Plate (in) Width	Base_Plate (in) Length	Base_Plate (in) Thick	Elev. (in)
1	A	4	0.750	8.000	8.500	0.375	0.0
1	B	4	0.750	8.000	8.500	0.375	0.0
1	C	4	0.750	8.000	8.500	0.375	0.0
4	C	4	0.750	8.000	8.500	0.375	0.0
4	B	4	0.750	8.000	8.500	0.375	0.0
4	A	4	0.750	8.000	8.500	0.375	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	Panel_Shear Seis	Note
L_EW	1	A,B	3.2	3.8	0.5	0.5			
F_SW	C	2,3							(a) (i)
R_EW	4								
B_SW	A	3,2	4.6	3.0	1.2	0.8			

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

WIND BENT REACTIONS



Wall Loc	Wall Line	Col Line	± Reactions Wind(k) Horz	Wind(k) Vert	Seismic(k) Horz	Seismic(k) Vert	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Thick
F_SW	C	2	2.3	3.4	0.6	0.9	4	0.750	8.000	14.000	0.375
F_SW	C	3	2.3	3.4	0.6	0.9	4	0.750	8.000	14.000	0.375

GENERAL NOTES

1. ALL LOADING CONDITIONS ARE EXAMINED. THE MAXIMUM AND MINIMUM HORIZONTAL (H) AND VERTICAL (V) REACTIONS AND THE CORRESPONDING VERTICAL (V) OR HORIZONTAL (H) REACTIONS ARE REPORTED.
2. REACTIONS ARE PROVIDED BY LOAD CASE IN ORDER TO AID THE FOUNDATION ENGINEER IN DETERMINING THE APPROPRIATE LOAD FACTORS AND COMBINATION TO BE USED WITH EITHER WORKING STRESS OR ULTIMATE STRENGTH DESIGN METHODS. WIND LOAD CASES ARE GIVEN FOR EACH PRIMARY WIND DIRECTION.
3. FOR ASCE7-10 BASED BULDING CODES THE UNFACTORED LOAD CASE REACTIONS DUE TO WIND ARE GENERATED USING ULTIMATE DESIGN WIND SPEEDS (Vult).
4. POSITIVE (+) REACTIONS ARE AS SHOWN ABOVE. FOUNDATION LOADS ARE IN OPPOSITE DIRECTIONS.
5. BRACING REACTIONS ARE IN THE PLANE OF THE BRACE WITH THE HORIZONTAL REACTION (H) ACTING AWAY FROM THE BRACED BAY AND THE VERTICAL REACTION (V) ACTING DOWNWARD.

****** RIGID FRAME LOAD CASE ABBREVIATIONS: ******
Wind_L1/Wind_R1: LATERAL WIND FROM THE LEFT/RIGHT, CASE 1
Wind_L2/Wind_R2: LATERAL WIND FROM THE LEFT/RIGHT, CASE 2
Wind_Ln1/Wind_Ln2: LONGITUDINAL WIND, CASE 1/2
Seismic_L/Seismic_R: LATERAL SEISMIC LOAD FROM LEFT/RIGHT
LWIND#_L#E/LWIND#_R#E: LONGITUDINAL WIND EDGE ZONES
F#UNB_SL_L/F#UNB_SL_R: UNBALANCED ROOF SNOW WITH WIND FROM LEFT/RIGHT
F#PAT_LL #/F#PAT_SL #: PARTIAL LIVE/SNOW LOADING FOR CONTINUOUS BEAM SYSTEMS

****** ENDWALL COLUMN LOAD CASE ABBREVIATIONS: ******
Collat: COLLATERAL LOAD
Rafter Wind_L/Rafter Wind_R: LATERAL WIND FROM THE LEFT/RIGHT
Brace Wind_L/Brace Wind_R: LATERAL WIND FROM THE LEFT/RIGHT
Wind_P/Wind_S: LONGITUDINAL WIND PRESSURE/SUCTION ON COLUMNS
Wind_Ln: LONGITUDINAL WIND SUCTION ON ROOF
Seis_L/Seis_R: LATERAL SEISMIC LOAD FROM LEFT/RIGHT
E#UNB_SL_L/E#UNB_SL_R: UNBALANCED ROOF SNOW WITH WIND FROM LEFT/RIGHT
E#PAT_LL #/E#PAT_SL #: PARTIAL LIVE/SNOW LOADING FOR CONTINUOUS BEAM SYSTEMS

ISSUE	DWN	CHK	ENG	PE	DATE
CONSTRUCTION ANCHOR BOLTS	MBS	JMT	SL		6/6/18

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492 3RD STREET, SIMPSONVILLE, KY 40067
CUSTOMER NAME
R E PURNELL CONSTRUCTION
SHELBYVILLE, KY 40065
JOB NUMBER
S18F0391A
SHEET TITLE

STATE OF KENTUCKY
RYAN S. PIERCE
6.6.18
No. 31639
LICENSED PROFESSIONAL ENGINEER

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SHEET
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