

GENERAL NOTES:

1. MATERIALS

ASTM DESCRIPTION	ASTM DESCRIPTION
STRUCTURAL STEEL PLATE	A529 / A572 / A1011
HOT ROLLED MILL SHAPES	A36 / A529 / A500
HHS ROUND	A500
HHS RECTANGULAR	A500
COLD FORM SHAPES	A653 / A1011
ROOF AND WALL SHEETING	A653 / A792
BOLTS	A307 / A325 / A490
CABLE	A475
RODS	A529 / A572

2. STRUCTURAL PRIMER NOTE:

SHOP COAT PRIMER IS INTENDED TO PROTECT THE STEEL FRAMING FOR A SHORT PERIOD OF TIME. STORAGE IN EXTREME COLD TEMPERATURES OR WINTER SNOW CONDITIONS, INCLUDING TRANSPORTATION ON SALTED OR CHEMICALLY TREATED ROADS WILL ADVERSELY AFFECT THE DURABILITY AND LONGEVITY OF THE PRIMER. THE COAT OF SHOP PRIMER DOES NOT PROVIDE THE UNIFORMITY OF APPEARANCE, OR THE DURABILITY AND CORROSION RESISTANCE OF A FIELD APPLIED FINISH COAT OF PAINT OVER A SHOP PRIMER. MINOR ABRASIONS TO THE SHOP COAT PRIMER CAUSED BY HANDLING, LOADING, SHIPPING, UNLOADING AND ERECTION ARE UNAVOIDABLE AND ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER. METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR THE DETERIORATION OF THE PRIMER OR CORROSION THAT MAY RESULT FROM ATMOSPHERIC AND ENVIRONMENTAL CONDITIONS NOR THE COMPATIBILITY OF THE PRIMER TO ANY FIELD APPLIED COATING.

3. BUILDING ERECTION NOTES:

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 EITHER MBMA OR CSA S16 STANDARDS PERTAINING TO PROPER ERECTION. TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS FOR ERECTION ARE TO BE DETERMINED, FURNISHED AND INSTALLED BY THE ERECTOR. THESE SUPPORTS MUST SECURE THE STEEL FRAMING, OR PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED IN ADDITION TO LOADS RESULTING FROM THE ERECTION OPERATION. SECONDARY WALL AND ROOF FRAMING (PURLINS, GIRTS AND/OR JOIST) ARE NOT DESIGNED TO FUNCTION AS A WORKING PLATFORM OR TO PROVIDE AS AN ANCHORAGE POINT FOR A FALL ARREST /SAFETY TIE OFF.

4. SPECIAL INSPECTION:

SPECIAL INSPECTIONS AND TESTING THAT MAY BE REQUIRED BY GOVERNMENTAL OR OTHER AUTHORITY DURING CONSTRUCTION AND/OR STEEL FABRICATION (COLLECTIVELY, "INSPECTIONS") ARE NOT THE RESPONSIBILITY OF THE PEMB MANUFACTURER, AND TO THE EXTENT REQUIRED IT SHALL BE THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE. IN THE EVENT INSPECTIONS ARE REQUIRED, THE OWNER AND/OR THE OWNER'S REPRESENTATIVE SHALL EMPLOY A THIRD PARTY QUALITY ASSURANCE TESTING AGENCY APPROVED BY THE RELEVANT AUTHORITY. IF SUCH REQUIREMENTS ARE NOT SPECIFICALLY INCLUDED IN THE PEMB MANUFACTURER'S SALES DOCUMENTS, NO INSPECTIONS BY THE PEMB MANUFACTURER OR AT THE PEMB MANUFACTURER'S FACILITY SHALL BE MADE. THE PEMB MANUFACTURER'S FACILITIES ARE ACCREDITED BY IAS AC472.

5. A325 & A490 BOLT TIGHTENING REQUIREMENTS:

IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE REGULATIONS. FOR PROJECTS IN THE UNITED STATES, SEE THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS OR FOR PROJECTS IN CANADA, SEE THE CAN/CSA S16 LIMIT STATES DESIGN OF STEEL STRUCTURES FOR MORE INFORMATION.

THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E., "SNUG-TIGHT" OR "FULLY-PRE-TENSIONED"), UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT REQUIREMENTS:

- ALL A490 BOLTS SHALL BE "FULLY-PRE-TENSIONED".
- ALL A325 BOLTS IN PRIMARY FRAMING (RIGID FRAMES AND BRACING) MAY BE "SNUG-TIGHT", EXCEPT AS FOLLOWS: "FULLY-PRE-TENSION" A325 BOLTS IF:
 - BUILDING SUPPORTS A CRANE SYSTEM WITH A CAPACITY GREATER THAN 5 TONS.
 - 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.
 - 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 ON THIS PAGE FOR THE DEFINED SEISMIC DESIGN CATEGORY FOR THIS PROJECT.
 - 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.
- IN CANADA, ALL A325 AND A490 BOLTS SHALL BE "FULLY-PRE-TENSIONED", EXCEPT FOR SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACES.

SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACE CONNECTIONS MAY ALWAYS BE "SNUG-TIGHT", UNLESS INDICATED OTHERWISE IN THESE DRAWINGS.

6. GENERAL DESIGN NOTES:

- 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.
- 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.
- ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH ANSI/AISI S100 OR CAN/CSA S136 "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
- 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.
- ALL NUCOR BUILDING GROUP FACILITIES ARE IAS AC-472 ACCREDITED FOR DESIGN AND FABRICATION OF METAL BUILDING SYSTEMS. FOR PROJECTS IN CANADA, DESIGN AND FABRICATION ARE DONE ONLY IN FACILITIES THAT ARE ALSO CAN/CSA A660 AND W47.1 CERTIFIED.
- 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.
- COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED THE ALLOWABLE BEARING STRESS OF CONCRETE THAT HAS A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.

BUILDING INFORMATION

PRIMER COLORS
 PRIMARY PRIMER COLOR: RED SECONDARY PRIMER COLOR: RED

ROOF SHEETING
 TYPE: CFR GAUGE: 24 FINISH: Galvalume Plus CLIP TYPE: Tall
 THERMAL BLOCKS: Yes EPS FOAM SPACER: No ROOF LINE TRIM, PAINTED: Midnight Black PVDF
 YES NO DOWNSPOUTS PAINTED: Midnight Black PVDF GUTTERS PAINTED: Midnight Black PVDF
 YES NO INSULATION 6.38 INCH (NOT BY MBS)
 YES NO PIPE JACKS, SIZE: QUANTITY:
 YES NO RIDGE VENTS, 10'-0" LONG X 9" THROAT. QUANTITY:
 YES NO ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES
 YES NO COMPOSITE CFR DECK, TYPE: N/A GAUGE: FINISH:

WALL SHEETING
 TYPE: DOUBLE MESA IMP GAUGE: 26 FINISH: Slate Gray PVDF
 CORNER TRIM, PAINTED: Slate Gray PVDF BASE TRIM, PAINTED: Slate Gray PVDF
 YES NO WALKDOORS, QUANTITY: (3) 3070 PA PAINTED: WHITE
 YES NO WINDOWS, QUANTITY: PAINTED:
 YES NO INSULATION INCH (NOT BY MBS)

WALL FRAMED OPENINGS
 YES NO FRAMED OPENING TRIM, PAINTED: Slate Gray PVDF
 SIZES: FSW: (8) 6'-0" W x 3'-0" H, window sill at 15'-0"
 BSW: (8) 6'-0" W x 3'-0" H, window sill at 15'-0"
 LEW: none
 REW: none

BUILDING OPTIONS

YES NO LINER PANELS
 FRAMED OPENING TRIM, PAINTED:
 WALL: TYPE: GAUGE: FINISH: WALL TRIM, PAINTED:
 CEILING: TYPE: GAUGE: FINISH:

YES NO TRANSLUCENT PANELS
 WALL:
 ROOF:
 INSULATED PANELS? YES NO

YES NO EAVE EXTENSION
 PROJ: TYPE: GAUGE: FINISH: SOFFIT TRIM AT BUILDING LINE PAINTED:

YES NO RAKE EXTENSION
 PROJ: TYPE: GAUGE: FINISH: SOFFIT TRIM AT BUILDING LINE PAINTED:

YES NO CANOPY
 AT EAVE LINE BELOW EAVE PROJECTION: CLEAR UNDER CANOPY BEAM:
 ROOF PANEL: TYPE: GAUGE, FINISH:
 SOFFIT PANEL: TYPE: GAUGE, FINISH: SOFFIT TRIM AT BUILDING LINE PAINTED:

YES NO PARTITION WALLS
 WALL PANEL: TYPE: GAUGE, FINISH: TRIM PAINTED:

YES NO WAINSCOT
 WALL PANEL: TYPE: GAUGE, FINISH:
 BASE TRIM PAINTED: JAMB TRIM PAINTED: TRANSITION TRIM PAINTED:

YES NO FASCIA
 PROJ: TOP OF FASCIA HEIGHT:
 FACE PANEL, TYPE: GAUGE, FINISH: CAP TRIM PAINTED:
 BACK PANEL, TYPE: GAUGE, FINISH: BASE TRIM PAINTED:
 CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM:
 SOFFIT PANEL, TYPE: GAUGE, FINISH: SOFFIT TRIM AT BUILDING LINE PAINTED:
 OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED) CLEAR UNDER SOFFIT TRIM:

YES NO PARAPET
 STRUCTURAL PARAPET NON-STRUCTURAL PARAPET TOP OF PARAPET HEIGHT:
 BACK PANEL, TYPE: GAUGE, FINISH:

YES NO CRANES (SEE CRANE PLAN FOR ADDITIONAL INFORMATION)
 YES NO MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL INFORMATION)

THE DRAWINGS AND THE METAL BUILDING THEY REPRESENT ARE THE PRODUCT OF THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE REQUIREMENTS LISTED HEREIN FOR THE MATERIALS DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED OR ENGAGED BY THE METAL BUILDING MANUFACTURER AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

7. GLOSSARY OF ABBREVIATIONS:

A.B. = ANCHOR BOLTS	MAX = MAXIMUM	REQ'D = REQUIRED
BS = BOTH SIDES	M.B. = MACHINE BOLTS	REV. = REVISION
B.U. = BUILT-UP	MBS = METAL BUILDING SUPPLIER	SIM = SIMILAR
DIA = DIAMETER	TBD = TO BE DETERMINED	SL = STEEL LINE
FLG = FLANGE	N/A = NOT APPLICABLE	N.S. = NEAR SIDE
F.S. = FAR SIDE	NIC = NOT IN CONTRACT	MIN = MINIMUM
G.A. = GAUGE	SLV = SHORT LEG VERTICAL	TYP = TYPICAL
H.S.B. = HIGH STRENGTH BOLTS	O.A.L. = OVERALL LENGTH	PL = PLATE
HT. = HEIGHT	O.C. = ON CENTER	
LLV = LONG LEG VERTICAL	U.N.O. = UNLESS NOTED OTHERWISE	
PEMB = PRE-ENGINEERED METAL BUILDING MANUFACTURER	?? = PART MARK TO BE DETERMINED AND WILL BE UPDATED ON CONSTRUCTION DRAWINGS	



BUILDING LOADS

DESIGN CODE: MBC 15

ROOF LIVE LOAD: 20.00 PSF MBMA OCC. CLASS: II
 LIVE LOAD REDUCIBLE Yes

GROUND SNOW LOAD: 25.0 PSF SNOW EXP. FACTOR, Ce: 1.0000
 SNOW IMPORTANCE FACTOR, Is: 1.00

WIND: 115 / 89 MPH
 (Vult) / (Vossd)

C & C PRESSURES (PSF): 22 / -29
 EXPOSURE: B
 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: 0.105 S1: 0.055
 Design Sds/Sd1: 0.112 / 0.088 Site Class: D
 Seismic Imp. Factor: 1.00 Seismic Design Category: B
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	
ROOF DEAD (PSF):	2.73	ROOF SNOW Pm (PSF):	20.00
PRI. COL. (PSF):	5.00	WIND ENCLOSURE:	Closed
SEC. COL. (PSF):	5.00	Gcpi:	±0.18
SNOW Ct:	1.00	SEISMIC R:	3.00
SNOW Cs:	1.00	SEISMIC Cs:	0.037
ROOF SNOW Ps (PSF):	17.50	BASE SHEAR (KIPS):	4.19

DRAWING INDEX

COVERSHEET	C1, C2
ANCHOR BOLT DRAWINGS	F1, F2
COLUMN BASE REACTIONS	R1
STRUCTURAL/SHEETING DRAWINGS	E1 - E7
DETAILS	

ERECTION MANUALS REQUIRED
 (ERECTION MANUALS ARE SHIPPED IN A WAREHOUSE PACKING CRATE)

<input checked="" type="checkbox"/> CFR ROOF	<input checked="" type="checkbox"/> H9700 OR <input type="checkbox"/> H8260	<input type="checkbox"/> SINGLE CURB (H9850)
<input type="checkbox"/> CLASSIC ROOF	<input type="checkbox"/> H9420 OR <input type="checkbox"/> H8201	<input type="checkbox"/> DOUBLE CURB (H9800)
		<input type="checkbox"/> VR16 II (H9925)

TRADEMARK 1998, NUCOR BUILDING SYSTEMS

PROJECT NAME: EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286

CUSTOMER NAME: DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111

JOB NUMBER: T22W0221A

SHEET TITLE: SHEET

SHEET: C1 of 2

ANCHOR BOLTS PERMITS
 PERMITS
 REVISED ANCHOR BOLTS
 REVISED PERMITS

ISSUE
 DATE
 DWG
 CHK
 ENG
 PE
 TON
 MBS
 AH
 EMM
 5/19/2022
 TON
 MBS
 AH
 EMM
 5/26/2022
 TON
 MBS
 AH
 EMM
 5/31/2022
 TON
 MBS
 AH
 EMM
 5/31/2022

NUCOR BUILDING SYSTEMS
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05/31/2022
 Evan Mitchell Waterloo
 License No. 6201070550
 IAS REGISTERED PROFESSIONAL ENGINEER

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FOR OCCUPANCY (RISK) CATEGORY I OR II, IBC PROVISIONS INDICATE THAT SINGLE-STORY BUILDINGS SHALL HAVE "NO DRIFT LIMIT" PROVIDED THAT INTERIOR WALLS, PARTITIONS, CEILINGS, AND EXTERIOR WALL SYSTEMS HAVE BEEN DESIGNED TO ACCOMMODATE THE SEISMIC STORY DRIFTS. INTERIOR WALLS, PARTITIONS, CEILINGS, OR EXTERIOR WALL SYSTEMS NOT PROVIDED BY THE METAL BUILDING MANUFACTURER SHALL BE DESIGNED AND DETAILED BY OTHERS TO ACCOMMODATE THE SEISMIC STORY DRIFTS. SEISMIC DRIFT VALUES MAY BE OBTAINED FROM THE METAL BUILDING MANUFACTURER.

BRL2

THIS BUILDING SYSTEM DESIGN IS BASED ON UNIFORMLY APPLYING THE CONTRACT-SPECIFIED LIVE LOAD AND ROOF SNOW LOAD. IN ADDITION, THE DESIGN IS BASED ON APPLYING A CODE-DEFINED LIVE LOAD (INCLUDING APPLICABLE REDUCTIONS) AND A CODE-DEFINED SNOW LOAD (BASED ON CONTRACT-SPECIFIED GROUND SNOW) FOR ALL PARTIAL LOADING AND UNBALANCED SNOW LOAD CONDITIONS.

BRL4

IF SNOW GUARDS OR OTHER DEVICES INTENDED TO HOLD SNOW AND/OR ICE ACCUMULATION ON THE ROOF SYSTEM ARE TO BE USED ON THIS PROJECT, THEY MUST BE INSTALLED UNDER THE GUIDANCE OF THE PROJECT "ENGINEER OF RECORD" (EOR), NOT THE METAL BUILDING MANUFACTURER, SO AS NOT TO EXCEED THE DESIGN ROOF SNOW LOAD ON THIS PROJECT.

RA3

FRAMED OPENINGS HAVE BEEN DESIGNED TO SUPPORT WIND LOAD NORMAL TO THE WALL BASED ON THE STANDARD BUILDING CODE CRITERIA. FRAMED OPENINGS HAVE NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCES FROM THE DOOR. ANY CHANGE TO THE INFORMATION SHOWN HERE WILL REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

MO2

THE NEW BUILDING IS IN PROXIMITY TO, AND MAY CAUSE CHANGES TO THE CODE-PREScribed SNOW LOADING CONDITIONS FOR THE EXISTING ADJACENT/ADJOINING BUILDING(S). IT IS THE RESPONSIBILITY OF OTHERS (NOT THE METAL BUILDING MANUFACTURER) TO INVESTIGATE ALL SNOW LOADING CONDITIONS FOR THE ADJACENT/ADJOINING BUILDING(S), AND PERFORM ANY REQUIRED ANALYSIS.

EB1

THE EXISTING BUILDING AND THE NEW BUILDING BY THE METAL BUILDING MANUFACTURER ARE STRUCTURALLY INDEPENDENT. THE SEISMIC STORY DRIFT OF THE NEW BUILDING CALCULATED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE IS 1 INCHES. THE METAL BUILDING MANUFACTURER CANNOT DETERMINE THE STORY DRIFT OF THE EXISTING BUILDING. THEREFORE, IT IS THE RESPONSIBILITY OF OTHERS (NOT THE METAL BUILDING MANUFACTURER) TO ENSURE THAT ADEQUATE SEPARATION EXISTS BETWEEN THE NEW AND EXISTING BUILDING.

EB6

ISSUE	TOWN	CHK	ENG	PE	DATE
ANCHOR BOLTS PERMITS	TDN	MBS	AH	EMW	5/19/2022
REVISED ANCHOR BOLTS	TDN	MBS	AH	EMW	5/26/2022
REVISED PERMITS	TDN	MBS	AH	EMW	5/31/2022
	TDN	MBS	AH	EMW	5/31/2022

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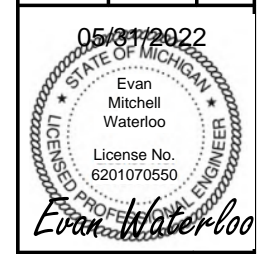
1050 WATERY LANE, BRIGHAM CITY, UT 84302
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PROJECT NAME
EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286

CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111

JOB NUMBER
T22W0221A

SHEET TITLE



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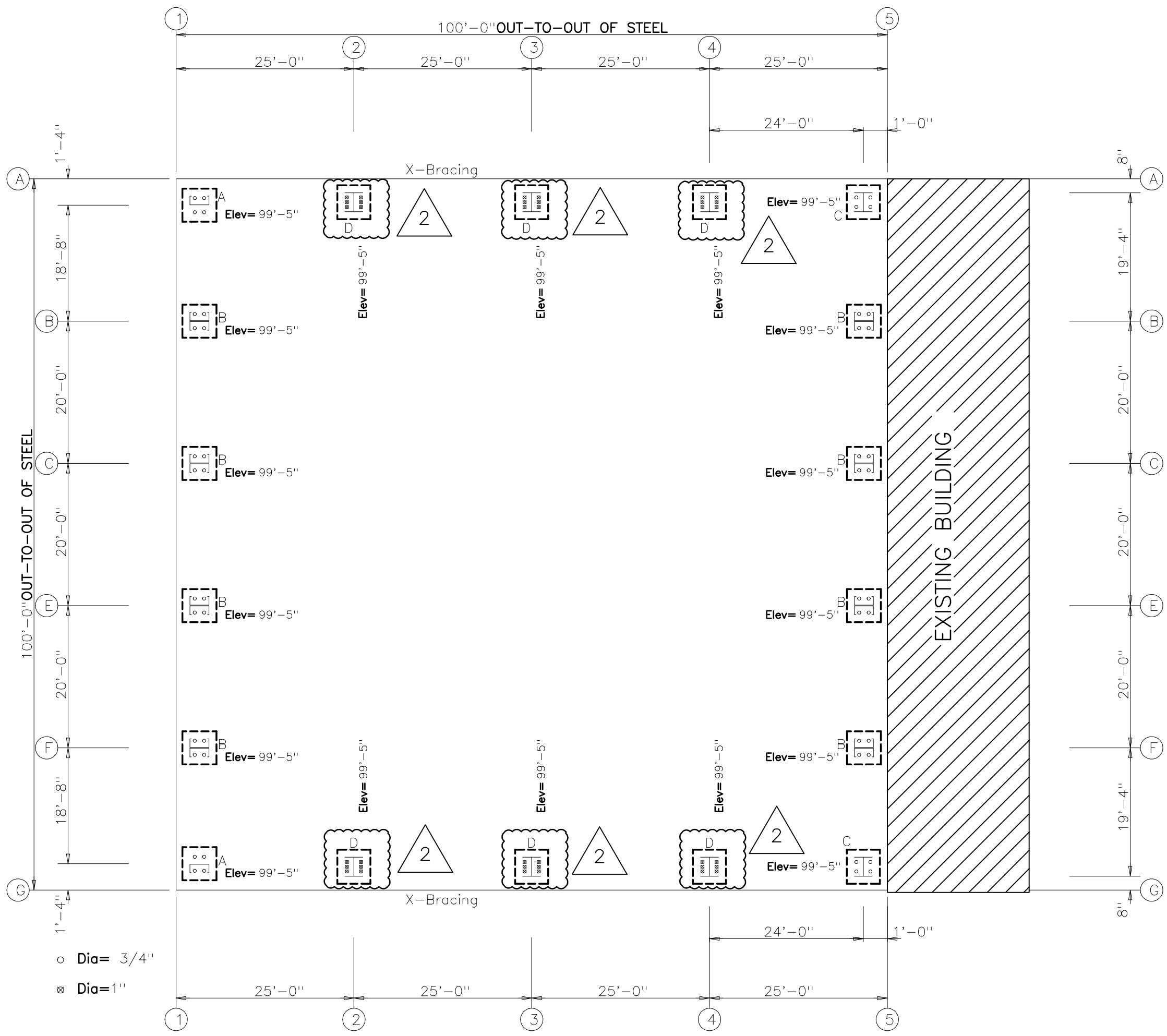
SHEET
C2 of 2

ANCHOR BOLT SUMMARY				
Qty	Locate	Dia (in)	Type	Proj (in)
○ 48	Endwall	3/4"	F1554	3.00
⊗ 36	Frame	1"	F1554	3.00

ANCHOR BOLT PLAN

GENERAL NOTES

- 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.
- 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.
- ANCHOR RODS, NUTS, FLAT WASHERS FOR ANCHOR RODS, EXPANSION BOLTS, AND CONCRETE/MASONRY EMBEDMENT PLATES ARE NOT BY METAL BUILDING MANUFACTURER.
- THE ANCHOR ROD LOCATIONS PROVIDED BY METAL BUILDING MANUFACTURER SATISFY PERTINENT REQUIREMENTS FOR THE DESIGN OF THE MATERIALS SUPPLIED BY THE METAL BUILDING MANUFACTURER. IT IS THE RESPONSIBILITY OF THE FOUNDATION ENGINEER TO MAKE CERTAIN THAT SUFFICIENT EDGE DISTANCE IS PROVIDED FOR ALL ANCHOR RODS IN THE DETAILS OF THE FOUNDATION DESIGN.
- DRAWINGS ARE NOT TO SCALE. SEE DETAILS FOR COLUMN ORIENTATION.
- THE ANCHOR ROD PLAN INDICATES WHERE THE ANCHOR RODS ARE TO BE PLACED AS WELL AS THE FOOTPRINT OF THE METAL BUILDING. IT IS ESSENTIAL THAT THESE ANCHOR ROD PATTERNS BE FOLLOWED. IF THESE SETTINGS DIFFER FROM THE ARCHITECTURAL FOUNDATION PLANS, THE METAL BUILDING MANUFACTURER MUST BE CONTACTED IMMEDIATELY - BEFORE CONCRETE IS PLACED.
- "SINGLE" CEE COLUMNS SHALL BE ORIENTED WITH THE "TOES" TOWARD THE LOW EAVE UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS ARE OUT TO OUT OF STEEL. IF CONCRETE NOTCH IS REQUIRED THEN THE REQUIRED DIMENSION SHOULD BE ADDED TO OBTAIN THE OUT TO OUT OF CONCRETE DIMENSIONS.
- FINISHED FLOOR ELEVATION = 100'-0" BOTTOM OF BASE PLATE = 100'-0" UNLESS NOTED OTHERWISE.



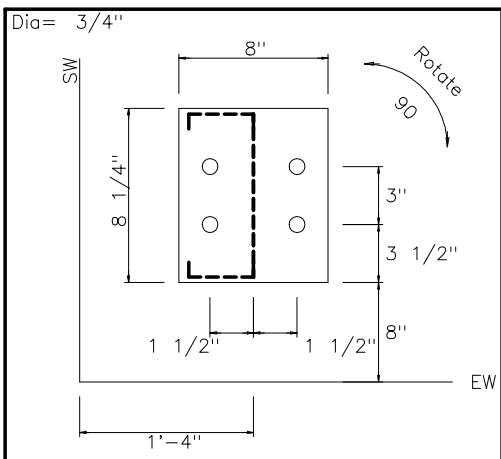
ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)

ISSUE	DATE	CHK	ENG	DATE
ANCHOR BOLTS PERMITS	5/19/2022	MBS	AH	5/19/2022
REVISED ANCHOR BOLTS	5/26/2022	TDN	AH	5/26/2022
REVISED PERMITS	5/31/2022	TDN	AH	5/31/2022
REVISED PERMITS	5/31/2022	TDN	AH	5/31/2022

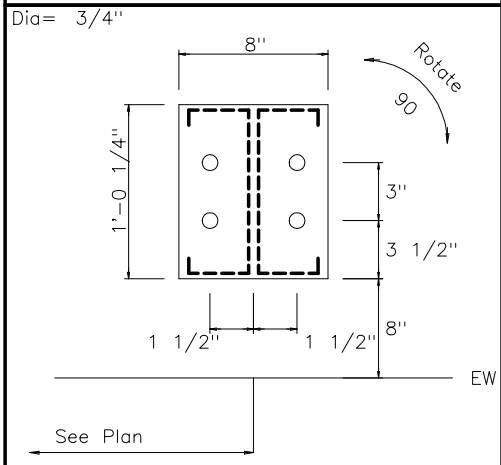
PROJECT NAME	EXTRUNET 2022 ADDITION
CUSTOMER NAME	903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286
JOB NUMBER	DAVENPORT BROTHERS CONSTRUCTION CO., INC.
SHEET TITLE	BELLEVEILLE, MI 48111
	T22W0221A

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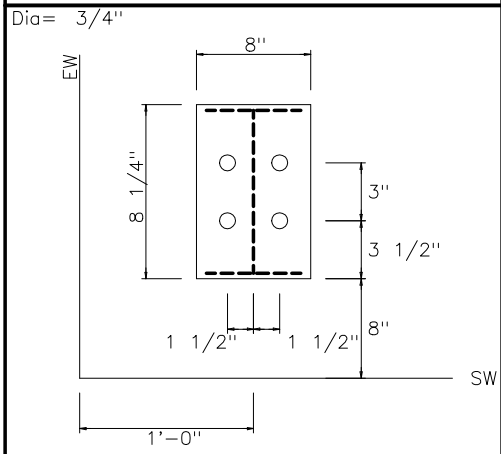
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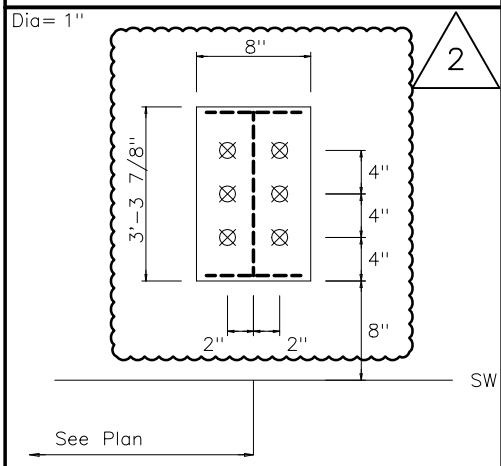
DETAIL A Base EL. 99'-5"



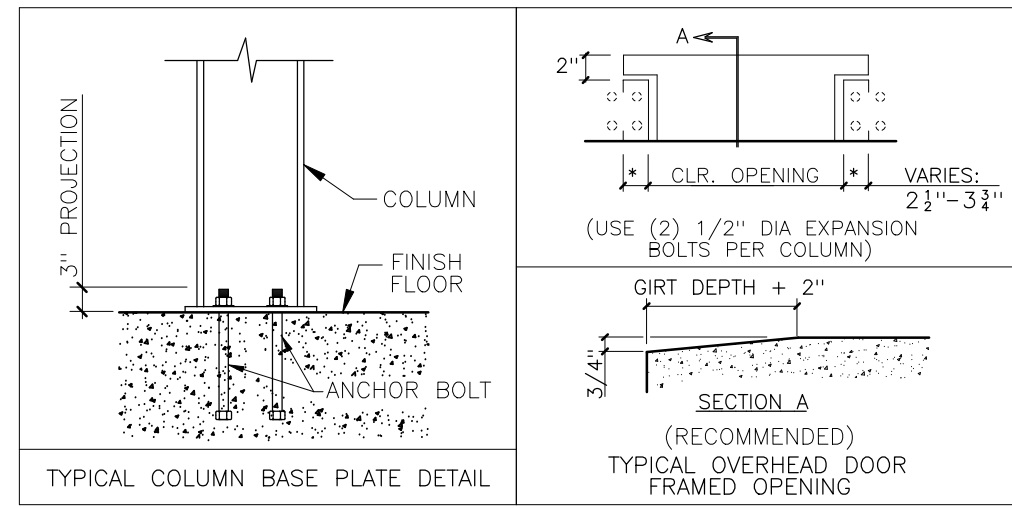
DETAIL B Base EL. 99'-5"



DETAIL C Base EL. 99'-5"



DETAIL D Base EL. 99'-5"



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 THE ANCHOR BOLT DRAWING. PLEASE REFERENCE THE SIDEWALL (SW) AND ENDWALL (EW) STEEL LINES SHOWN ON THE ANCHOR BOLT DETAILS WITH THE ANCHOR BOLT PLAN 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	DATE	ENG	CHK	APP
ANCHOR BOLTS	5/19/2022	MBS	AH	
PERMITS	5/26/2022	TDN	MBS	AH
REVISED ANCHOR BOLTS	5/31/2022	TDN	MBS	AH
REVISED PERMITS	5/31/2022	TDN	MBS	AH

NUCOR BUILDING SYSTEMS
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PO BOX 1006, 700 WHEISTONE RD, SWANSEA, SC 29160
 PHONE: (260) 837-7881 FAX: (260) 837-7884

600 APACHE TRAIL, TERRELL, TX 75160
 PHONE: (803) 568-2100 FAX: (803) 568-2121

1050 WATERY LANE, BRIGHAM CITY, UT 84302
 PHONE: (972) 524-5407 FAX: (972) 524-5417

PROJECT NAME
EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286

CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111

JOB NUMBER
T22W0221A

SHEET TITLE

05/31/2022

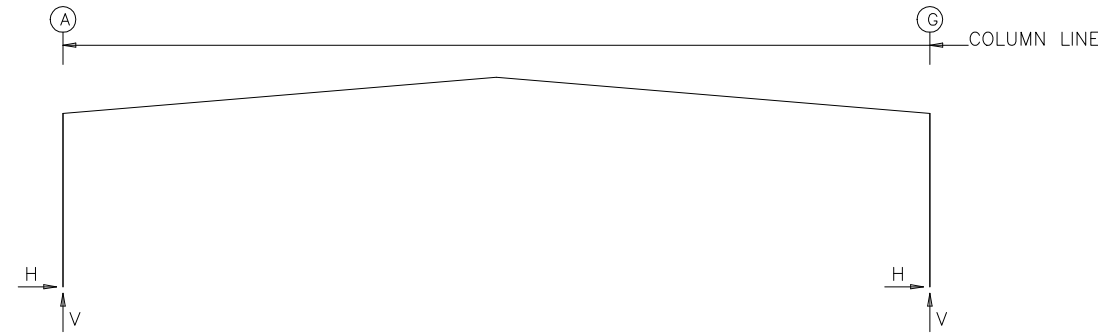
STATE OF MICHIGAN
 Evan Mitchell Waterloo
 License No. 6201070550
 REGISTERED PROFESSIONAL ENGINEER

Evan Waterloo

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F2 of 2

FRAME LINES: 2 3 4



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Table with columns: Frm Line, Col Line, Anc_Bolt Qty, Anc_Dia, Base_Plate Width, Base_Plate Length, Base_Plate Thick, Elev. (in). Rows for frame lines 2* and 2*.

2* Frame lines: 2 3 4

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Table with columns: Frm Line, Col Line, Anc_Bolt Qty, Anc_Dia, Base_Plate Width, Base_Plate Length, Base_Plate Thick, Elev. (in). Rows for columns A through G.

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 COMBINATIONS 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 AND LATER BASED BUILDING CODES, THE UNFACTORED LOAD CASE REACTIONS DUE TO WIND ARE GENERATED USING THE ULTIMATE DESIGN WIND SPEED (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

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Table showing reactions for Rigid Frame columns A and G under various load cases including Dead, Collateral, Live, Snow, Wind, and Seismic.

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Table showing reactions for Endwall Columns 1 through 5 under various load cases including Dead, Collat, Live, Snow, Wind, and Seismic.

BUILDING BRACING REACTIONS

Table showing bracing reactions for Wall and Column lines under Wind and Seismic loads.

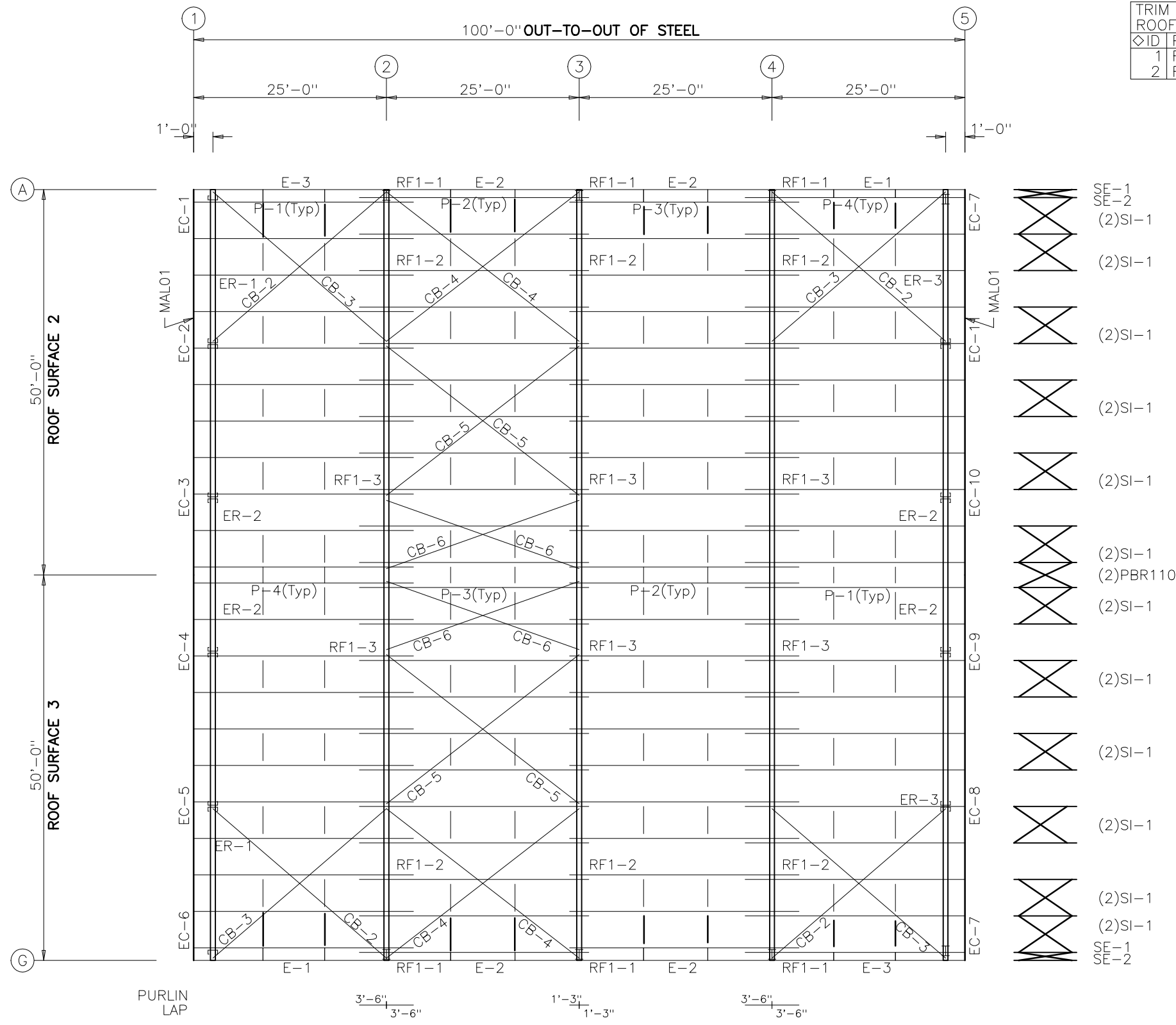


Vertical table with columns: DATE, ENG, PE, MBS, AH, EMM, MBS, AH, EMM, MBS, AH, EMM, MBS, AH, EMM, MBS, AH, EMM.

NUCOR BUILDING SYSTEMS logo and contact information including address, phone, and fax numbers.

PROJECT NAME: EXTRUNET 2022 ADDITION
903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286
CUSTOMER NAME: DAVENPORT BROTHERS CONSTRUCTION CO., INC.
BELLEVILLE, MI 48111
JOB NUMBER: T22W0221A

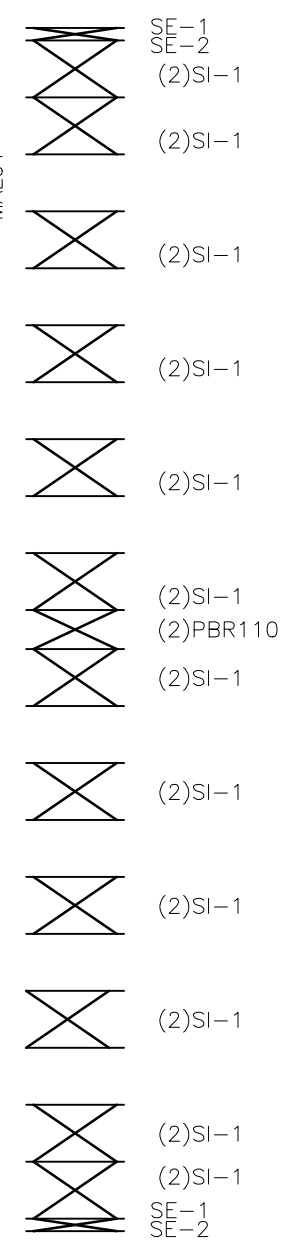
Professional Engineer seal for Evan Mitchell Waterloo, License No. 6201070550, State of Michigan.



ROOF FRAMING PLAN

TRIM TABLE ROOF PLAN			
ID	PART	LENGTH	DETAIL
1	RGB01	121.000	TRIM_953
2	RGB02	242.000	TRIM_953

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	95Z075	341.750
P-2	95Z067	357.000
P-3	95Z067	357.000
P-4	95Z075	341.750
E-1	95E060	299.625
E-2	95E060	299.750
E-3	95E060	299.625
CB-2	RD05-	368.000
CB-3	RD05-	366.000
CB-4	RD05-	378.000
CB-5	RD05-	383.000
CB-6	RD05-	326.000
PBR110	PBR110	16.000
SI-1	PBX-	59.625
SE-1	PBX-	19.750
SE-2	PBX-	20.250



ROOF FRAMING PLAN

GENERAL NOTES

1. PLACE TAGGED END OF RAFTERS TOWARDS THE LOW EAVE.
2. STD. ROD/CABLE SIZES PER PART PREFIX ARE:
 RD05- = 5/8" ROD
3. PURLIN AND EAVE STRUT CONNECTIONS UTILIZE BOTH A307 AND A325 BOLTS. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
4. THIS DRAWING IS NOT TO SCALE.

ISSUE	DATE	ENG	CHK	APP	DATE
ANCHOR BOLTS PERMITS	5/19/2022	AH	MBS	TDN	
REVISED ANCHOR BOLTS	5/26/2022	AH	MBS	TDN	
REVISED PERMITS	5/31/2022	AH	MBS	TDN	
	5/31/2022	AH	MBS	TDN	

NUCOR BUILDING SYSTEMS

1050 WATERY LANE, BRIGHAM CITY, UT 84302
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 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
EXTRUNET 2022 ADDITION

903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286

CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.

BELLEVILLE, MI 48111

JOB NUMBER
T22W0221A

SHEET TITLE

05/31/2022

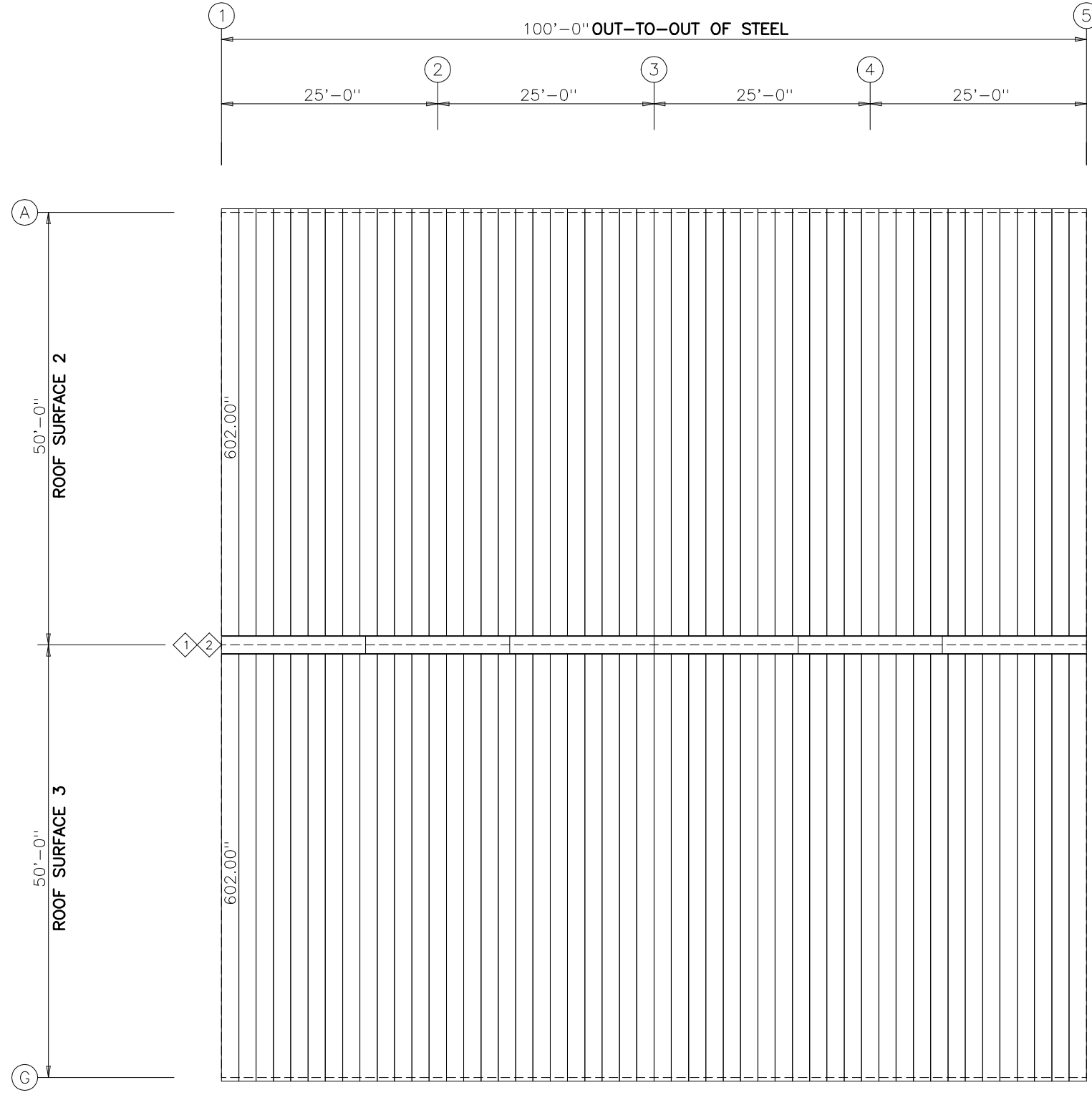
Evan Mitchell
Waterloo

License No.
6201070550

Evan Mitchell

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SHEET
E1 of 7



TRIM TABLE			
ROOF PLAN			
ID	PART	LENGTH	DETAIL
1	RGB01	121.000	TRIM_953
2	RGB02	242.000	TRIM_953

ROOF SHEETING PLAN
 PANELS: 24 Ga. CFR - Galvalume Plus

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PROJECT NAME
EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286

CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111

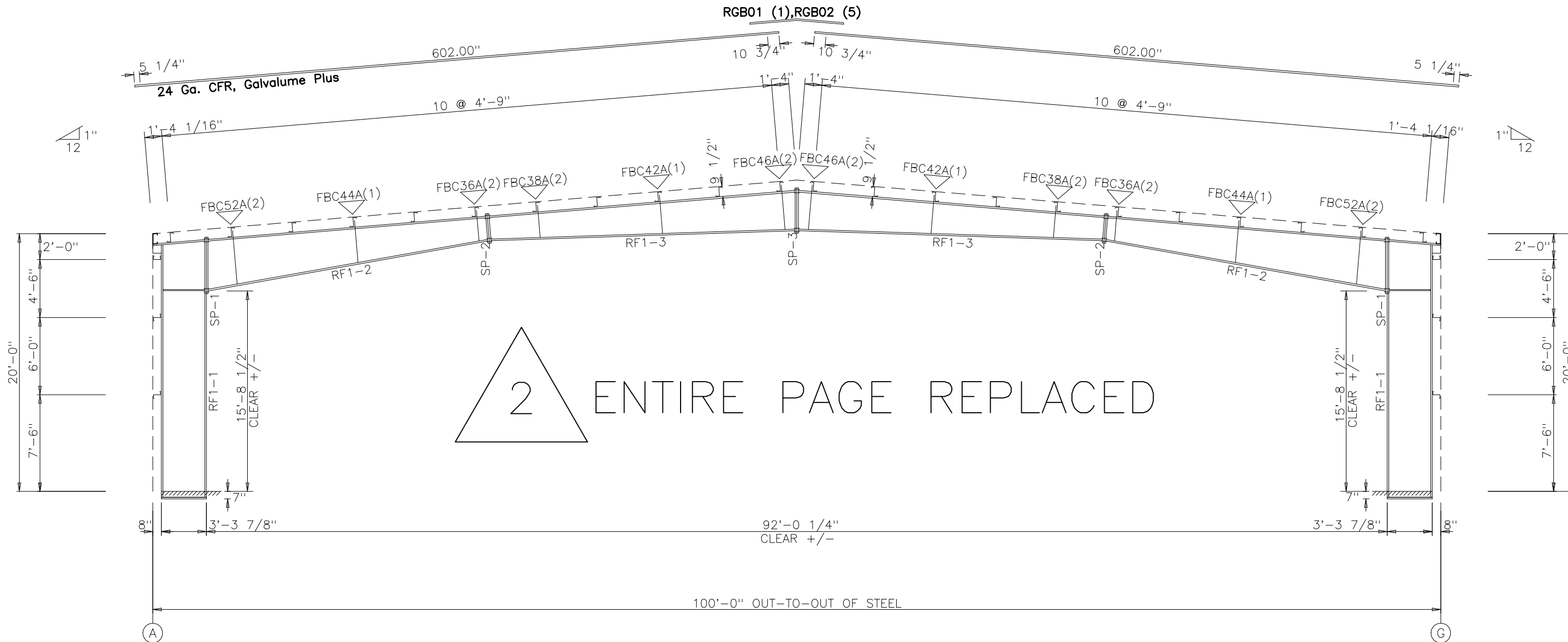
JOB NUMBER
T22W0221A

NUCOR
 BUILDING SYSTEMS
 500 INDUSTRIAL AVENUE, WATERLOO, IN 46793
 PHONE: (260) 837-7881 FAX: (260) 837-7384
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 600 APACHE TRAIL, TERRELL, TX 75160
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 1050 WATERY LANE, BRIGHAM CITY, UT 84302
 PHONE: (435) 919-3100 FAX: (435) 919-3101

ISSUE	TWN	CHK	ENG	PE	DATE
ANCHOR BOLTS PERMITS	TDN	MBS	AH	EMW	5/19/2022
REVISED ANCHOR BOLTS	TDN	MBS	AH	EMW	5/26/2022
REVISED PERMITS	TDN	MBS	AH	EMW	5/31/2022
	TDN	MBS	AH	EMW	5/31/2022

SPLICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
	Top	Bot							
SP-1	4	4	0	A325	1.000	3.25	8"	3/4"	4'-5 5/8"
SP-2	4	4	0	A325	1.000	3.25	8"	3/8"	2'-4 1/2"
SP-3	4	4	0	A325	1.000	3.25	6"	1/2"	3'-7 1/8"

MEMBER TABLE								
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange	
	Start/End	Thick	Thick	Length	W x Thk x Length	W x Thk x Length	W x Thk x Length	
RF1-1	39.0/39.0	0.250	0.250	191.2	8 x 1/4" x 237.3	8 x 5/8" x 191.2		
RF1-2	45.0/20.0	0.275	0.275	267.3	8 x 1/2" x 47.1	8 x 5/16" x 263.5		
RF1-3	20.0/34.5	0.188	0.188	288.4	6 x 1/2" x 288.4	6 x 5/16" x 285.8		



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

GENERAL NOTES

- ▽ INDICATES FLANGE BRACING LOCATIONS. (1) = ONE SIDE; (2) = TWO SIDES.
- IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE RIGID FRAME, THE OPPOSITE SIDE FLANGE BRACES WILL HAVE TO BE INSTALLED AT THE TIME OF FUTURE EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
- RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.
- INTERIOR COLUMN METAL TAG IS ORIENTED TOWARD THE LOW EAVE OF THE BUILDING.

ISSUE	DATE	ENG	CHK	APP	DATE
ANCHOR BOLTS PERMITS	5/19/2022	AH	MBS	TDN	
REVISED ANCHOR BOLTS	5/26/2022	AH	MBS	TDN	
REVISED PERMITS	5/31/2022	AH	MBS	TDN	
REVISED PERMITS	5/31/2022	AH	MBS	TDN	

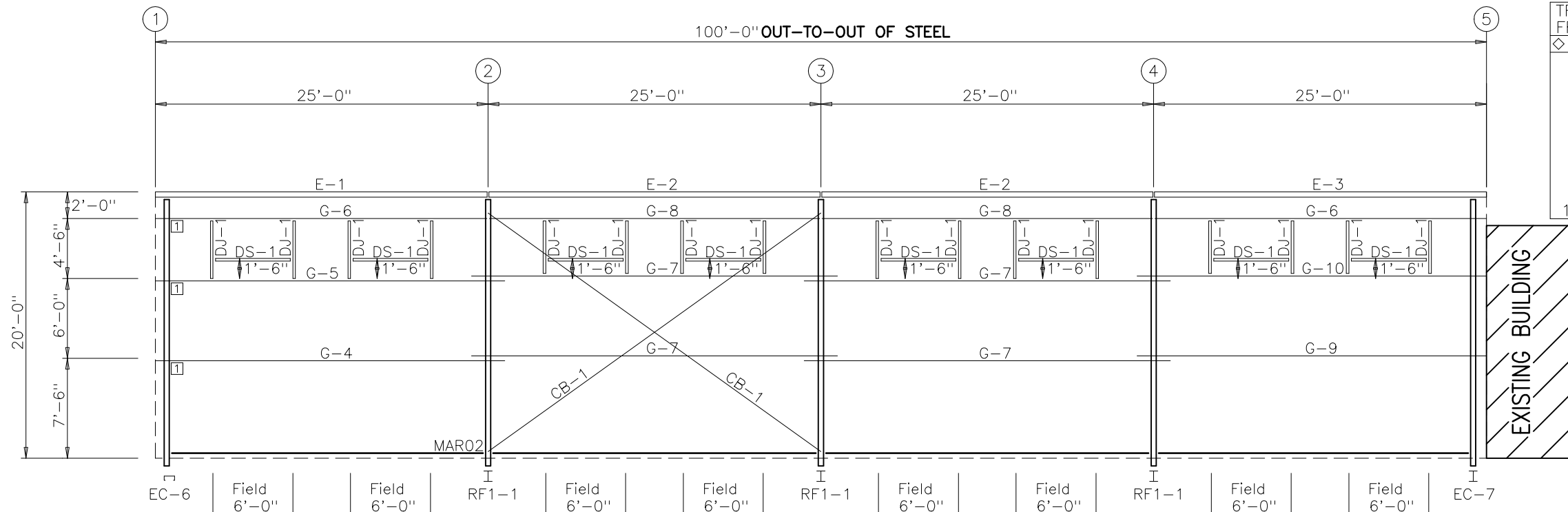
NUCOR BUILDING SYSTEMS
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 600 APACHE TRAIL, TERRELL, TX 75160
 PHONE: (972) 524-5407 FAX: (972) 524-5417
 1050 WATERY LANE, BRIGHAM CITY, UT 84302
 PHONE: (435) 919-3100 FAX: (435) 919-3101

PROJECT NAME
EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286
 CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111
 JOB NUMBER
T22W0221A

05/31/2022
 STATE OF MICHIGAN
 Evan Mitchell Waterloo
 LICENSED PROFESSIONAL ENGINEER
 License No. 6201070550
Evan Waterloo

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SHEET
E3 of 7

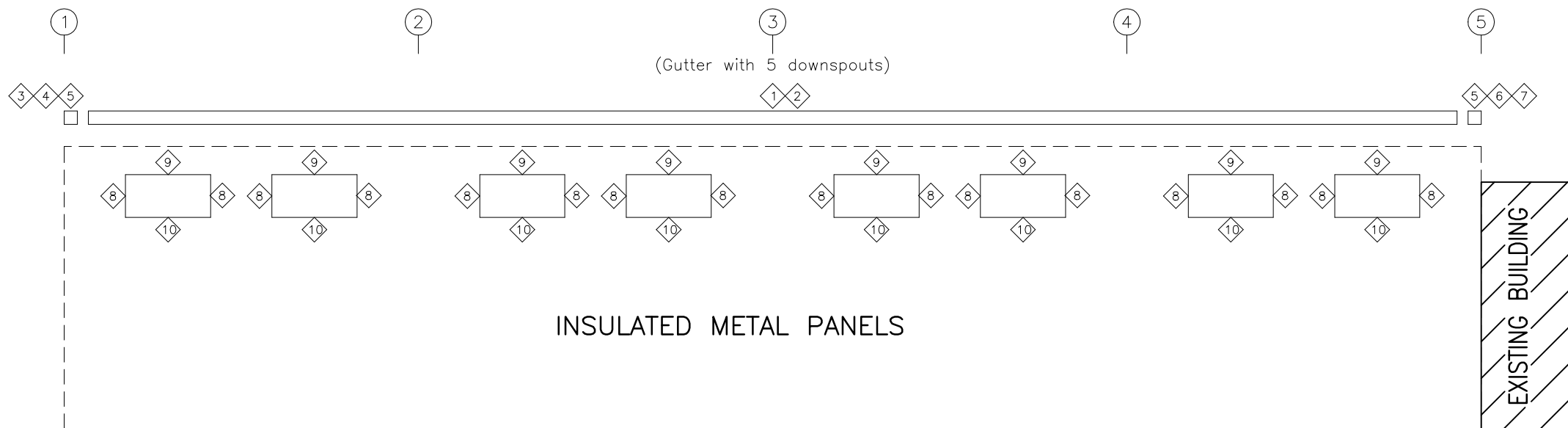


TRIM TABLE FRAME LINE G			
ID	PART	LENGTH	DETAIL
1	GTA01	121.000	TRIM_958
2	GTA02	242.000	TRIM_958
3	H4000	5.000	TRIM_21
4	RCA01	9.250	
5	GRA01	8.000	
6	H4000	5.000	
7	RCA02	9.250	
8	JTA087	87.000	TRIM_99
9	HTA080	80.000	TRIM_99
10	STA076	76.000	TRIM_99

MEMBER TABLE FRAME LINE G		
MARK	PART	LENGTH
DJ-1	J08C060	54.000
DS-1	J08C060	72.000
F-1	95E060	299.625
F-2	95E060	299.750
F-3	95E060	299.625
G-4	08Z067	314.750
G-5	08Z060	314.750
G-6	08C060	299.000
G-7	08Z060	330.000
G-8	08C060	298.500
G-9	08Z067	314.750
G-10	08Z060	314.750
CB-1	RD05-	381.000

CONNECTION PLATES FRAME LINE G	
ID	MARK/PART
1	GCC03

SIDEWALL FRAMING: FRAME LINE G



SIDEWALL SHEETING & TRIM: FRAME LINE G

SIDEWALL FRAMING PLAN

GENERAL NOTES

1. STD. ROD/CABLE SIZES PER PART PREFIX ARE:
ROD _____
RD05- = 5/8" ROD
2. FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
3. THIS DRAWING IS NOT TO SCALE.

ISSUE	DATE	ENG	CHK	APP
ANCHOR BOLTS PERMITS	5/19/2022	AH	MBS	TDN
REVISED ANCHOR BOLTS	5/26/2022	AH	MBS	TDN
REVISED PERMITS	5/31/2022	AH	MBS	TDN
	5/31/2022	AH	MBS	TDN

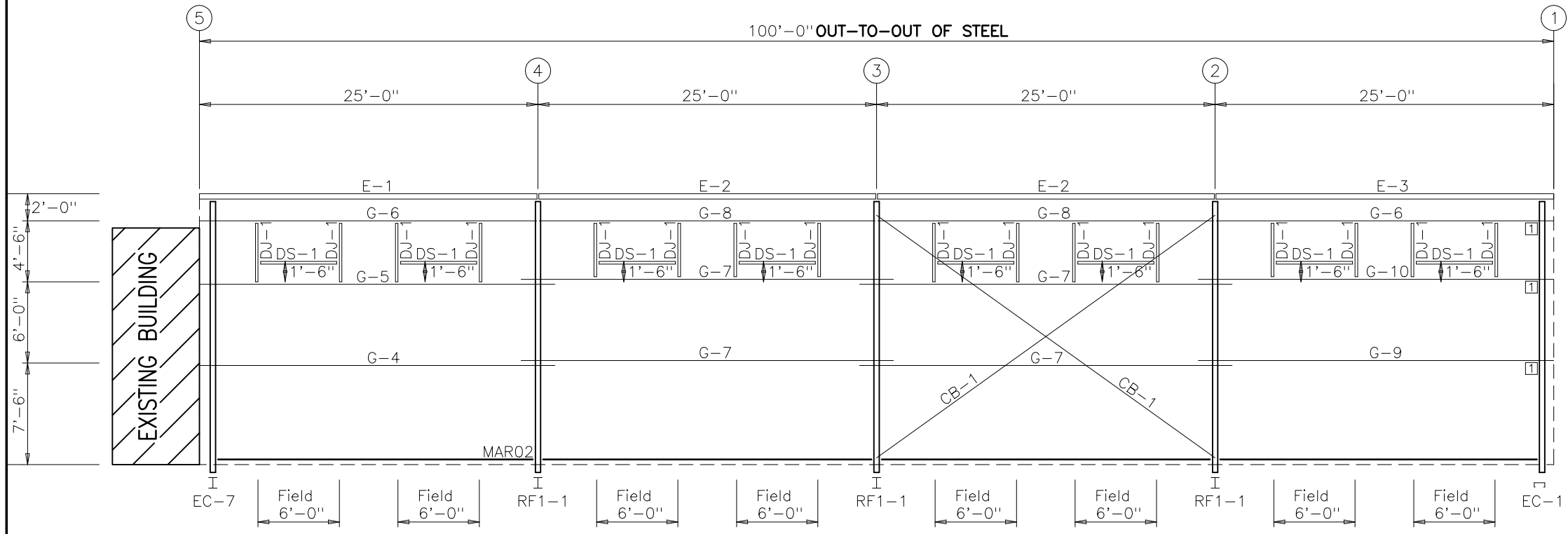
NUCOR BUILDING SYSTEMS
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 600 APACHE TRAIL, TERRELL, TX 75160
 PHONE: (972) 524-5407 FAX: (972) 524-5417
 1050 WATERY LANE, BRIGHAM CITY, UT 84302
 PHONE: (435) 919-3100 FAX: (435) 919-3101

PROJECT NAME
EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286
 CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111
 JOB NUMBER
T22W0221A

05/31/2022
 STATE OF MICHIGAN
 Evan Mitchell Waterloo
 LICENSED PROFESSIONAL ENGINEER
 License No. 6201070550
Evan Waterloo

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SHEET
E4 of 7

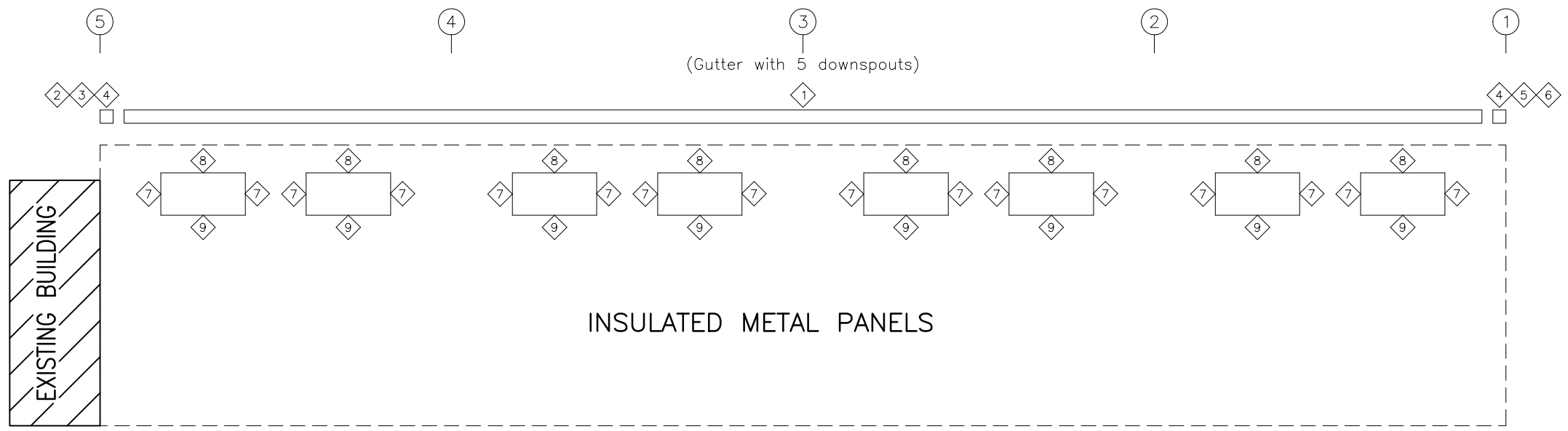


TRIM TABLE FRAME LINE A			
ID	PART	LENGTH	DETAIL
1	GTA02	242.000	TRIM_958
2	H4000	5.000	TRIM_21
3	RCA01	9.250	
4	GRA01	8.000	
5	H4000	5.000	
6	RCA02	9.250	
7	JTA087	87.000	TRIM_99
8	HTA080	80.000	TRIM_99
9	STA076	76.000	TRIM_99

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
DJ-1	J08C060	54.000
DS-1	J08C060	72.000
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E-2	95E060	299.750
E-3	95E060	299.625
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G-5	08Z060	314.750
G-6	08C060	299.000
G-7	08Z060	330.000
G-8	08C060	298.500
G-9	08Z067	314.750
G-10	08Z060	314.750
CB-1	RD05-	381.000

CONNECTION PLATES FRAME LINE A	
ID	MARK/PART
1	GCC03

SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

SIDEWALL FRAMING PLAN

GENERAL NOTES

- STD. ROD/CABLE SIZES PER PART PREFIX ARE:
RD05- = 5/8" ROD
- FRAMED OPENINGS WHICH ARE FIELD LOCATED WILL REQUIRE FIELD CUTTING OF GIRTS AND SHEETING.
- THIS DRAWING IS NOT TO SCALE.

TOWN	CHK	ENG	PE	DATE
TDN	MBS	AH	AH	5/19/2022
TDN	MBS	AH	AH	5/26/2022
TDN	MBS	AH	AH	5/31/2022
TDN	MBS	AH	AH	5/31/2022

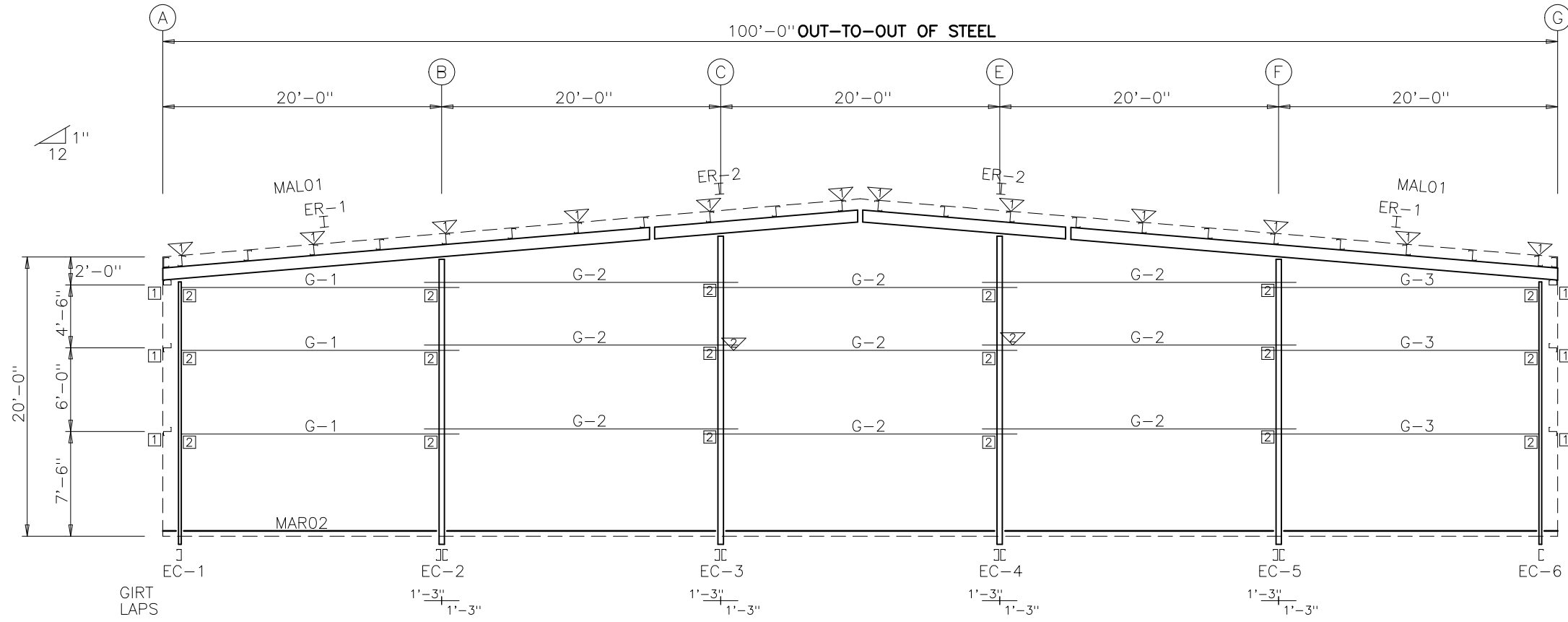
NUCOR BUILDING SYSTEMS
 1500 W. BROADWAY, SUITE 100, INDIANAPOLIS, IN 46793
 PHONE: (260) 837-7881 FAX: (260) 837-7384
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 1050 WATERY LANE, BIRMGHAM CITY, UT 84302
 PHONE: (435) 919-3100 FAX: (435) 919-3101

PROJECT NAME
EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286
 CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111
 JOB NUMBER
T22W0221A

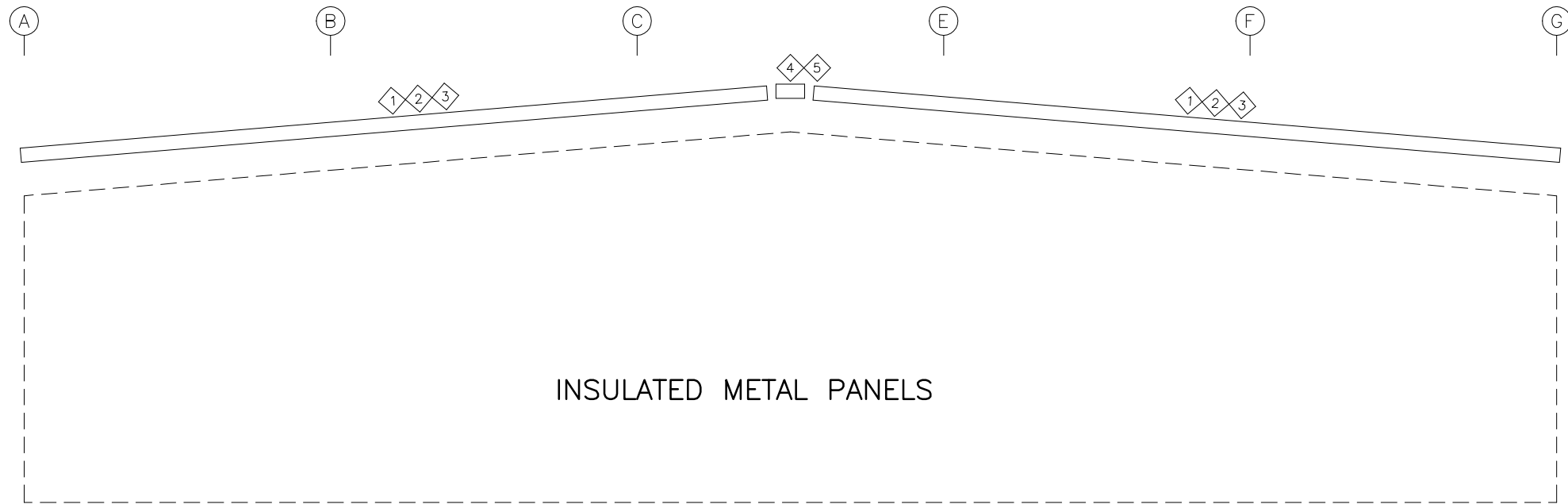
05/31/2022
 Evan Mitchell
 Waterloo
 License No.
 6201070550
Evan Mitchell

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SHEET
E5 of 7



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

BOLT TABLE				
FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	1/2"	2"
ER-2/ER-2	4	A325	1/2"	2"
Columns/Raf	6	A325	1/2"	2"

TRIM TABLE			
FRAME LINE 1			
ID	PART	LENGTH	DETAIL
1	RTA02	242.000	TRIM_902
2	LEE09	121.000	
3	RRA01	121.000	
4	M0101	26.440	
5	MPP01	14.380	

MEMBER TABLE		
FRAME LINE 1		
MARK	PART	LENGTH
EC-1	W08S075	230.625
EC-2	W12SD075	249.313
EC-3	W12SD075	269.313
EC-4	W12SD075	269.313
EC-5	W12SD075	249.313
EC-6	W08S075	230.625
ER-1	W8x18	422.188
ER-2	W8x18	179.625
G-1	08Z060	246.500
G-2	08Z060	270.000
G-3	08Z060	246.500

FLANGE BRACE TABLE			
FRAME LINE 1			
ID	#	MARK	CLIP
1	1	FBC30	
2	1	FBE06	

CONNECTION PLATES	
FRAME LINE 1	
ID	MARK/PART
1	GCC03
2	GCW08gcb

ENDWALL FRAMING PLAN

GENERAL NOTES
1. THIS DRAWING IS NOT TO SCALE.

TOWN	CHK	ENG	PE	DATE
TDN	MBS	AH	EMW	5/19/2022
TDN	MBS	AH	EMW	5/26/2022
TDN	MBS	AH	EMW	5/31/2022
TDN	MBS	AH	EMW	5/31/2022

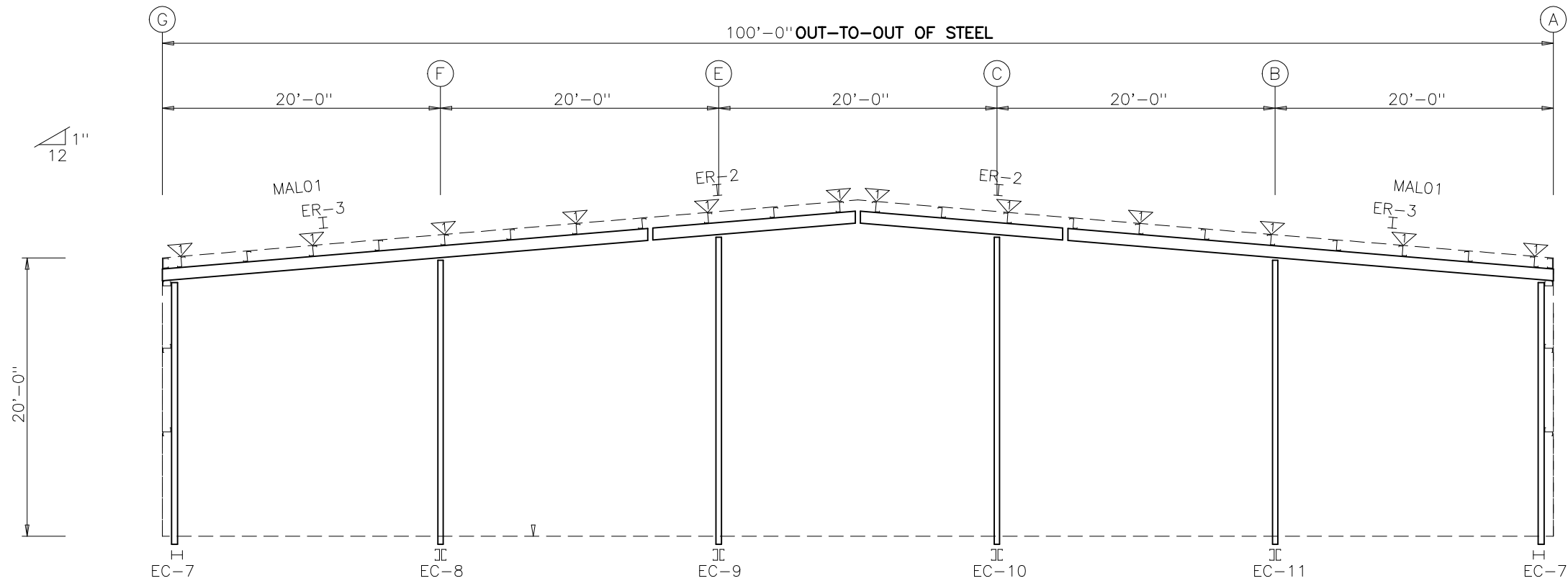
NUCOR BUILDING SYSTEMS
 1000 W. WATERY LANE, BIRMGHAM CITY, UT 84302
 PHONE: (972) 524-5407 FAX: (972) 524-5417
 600 APACHE TRAIL, TERRELL, TX 75160
 PHONE: (803) 568-2100 FAX: (803) 568-2121
 PO BOX 1006, 700 WHELFSTONE RD, SWANSEA, SC 29160
 PHONE: (260) 837-7891 FAX: (260) 837-7384
 US MANUFACTURED PRODUCTS, INC. IN 46793
 PHONE: (260) 837-7891 FAX: (260) 837-7384

PROJECT NAME
EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286
 CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111
 JOB NUMBER
T22W0221A

05/31/2022
 Evan Mitchell Waterloo
 License No. 6201070550
 Licensed Professional Engineer

This seal pertains only to the materials Building Systems, a division of Nucor Corporation. The drawings and the seal are not to be used on any project not built by Nucor Building Systems. The registrar professional engineer whose seal appears on these drawings is not to be used on any project as or represent the project engineer of record and shall not be construed as such.

SHEET
E6 of 7



ENDWALL FRAMING: FRAME LINE 5

BOLT TABLE
FRAME LINE 5

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-2/ER-3	4	A325	1/2"	2"
ER-2/ER-2	4	A325	1/2"	2"
Cor_Column/Raf	4	A325	1/2"	2"
Int_Column/Raf	6	A325	1/2"	2"

TRIM TABLE
FRAME LINE 5

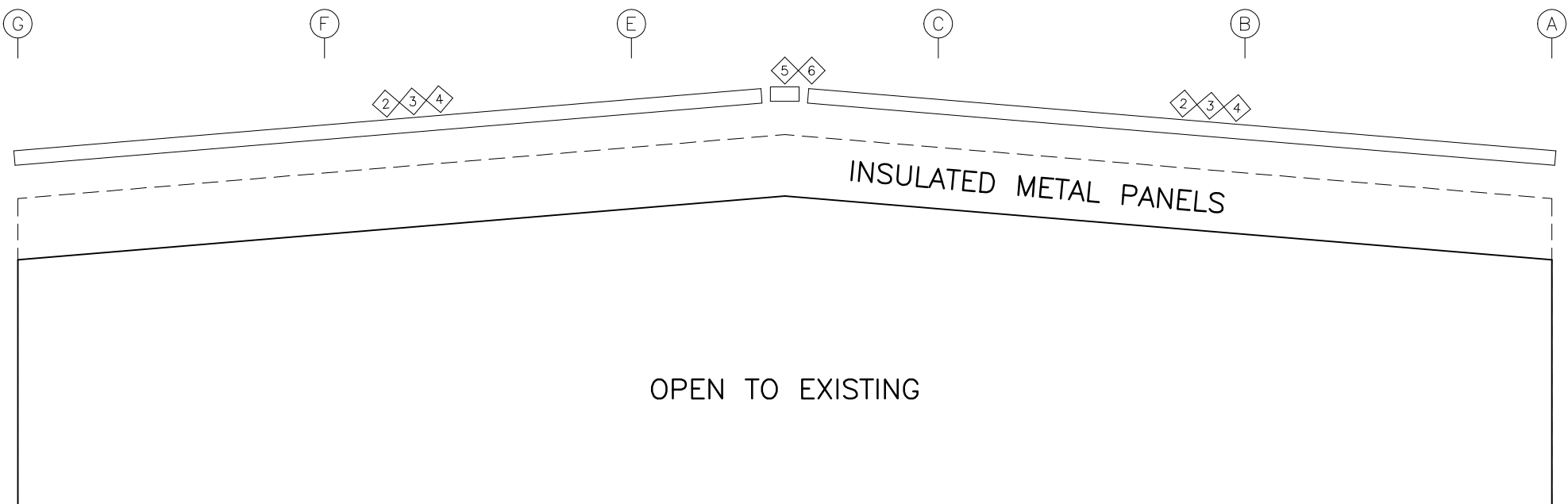
ID	PART	LENGTH	DETAIL
1	BSC01	122.000	TRIM_721
2	RTA02	242.000	TRIM_902
3	LEE09	121.000	
4	RRA01	121.000	
5	M0101	26.440	
6	MPP01	14.380	

MEMBER TABLE
FRAME LINE 5

MARK	PART	LENGTH
EC-7	W8x10	230.625
EC-8	W12SD099	249.313
EC-9	W12SD120	269.313
EC-10	W12SD120	269.313
EC-11	W12SD099	249.313
ER-2	W8x18	179.625
ER-3	W8x18	422.188

FLANGE BRACE TABLE
FRAME LINE 5

ID	#	MARK	CLIP
1	1	FBC30	



ENDWALL SHEETING & TRIM: FRAME LINE 5

ENDWALL FRAMING PLAN

GENERAL NOTES

- THIS DRAWING IS NOT TO SCALE.

DATE	ISSUE	CHK	ENG	PE
5/19/2022		TDN	MBS	AH
5/26/2022		TDN	MBS	AH
5/31/2022		TDN	MBS	AH
5/31/2022		TDN	MBS	AH

NUCOR BUILDING SYSTEMS
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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, BIRMGHAM CITY, UT 84302
 PHONE: (435) 919-3100 FAX: (435) 919-3101

PROJECT NAME
EXTRUNET 2022 ADDITION
 903 INDUSTRIAL DRIVE, TECUMSEH, MI 49286
 CUSTOMER NAME
DAVENPORT BROTHERS CONSTRUCTION CO., INC.
 BELLEVILLE, MI 48111
 JOB NUMBER
T22W0221A

05/31/2022
 Evan Mitchell Waterloo
 LICENSED PROFESSIONAL ENGINEER
 License No. 6201070550
Evan Waterloo

This seal pertains only to the materials prepared by the engineer for the project shown on these drawings. The drawings and the seal are the property of Nucor Building Systems. The register professional engineer whose seal appears on these drawings shall not be construed as representing the project engineer of record and shall not be construed as such.

SHEET
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