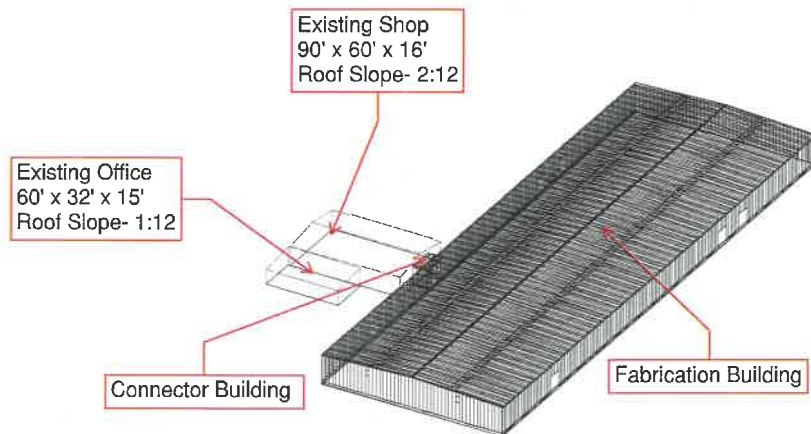




Butler Manufacturing
 a division of BlueScope Buildings North America, Inc.

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DRAWING TITLE	PAGES	TYPE	DATE	DESCRIPTION
COVER SHEET	1	Anchor Rod Drawings, REV0	01.18.2019	NOT FOR CONSTRUCTION
CODES AND LOADS	2	Anchor Rod Drawings, REV1	01.24.2019	FOR CONSTRUCTION
NOTES	3	Permit Drawings, REV0	01.24.2019	PERMIT SET- For Building Dept. Approval
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PRIMARY STRUCTURAL	6-27			
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COVERING	41-58			
SPECIAL DRAWINGS	59			
STANDARD ERECTION DETAILS				
PLANOGRAPH DETAILS				

IMPORTANT NOTES:
 - The frame along gridline 22 was designed for future expansion of 30'-0" centerline to centerline of frames.
 -The Fabrication building is designed for 7.5-ton Crane in the middle module. It is permissible for two crane to operate in this building as long as two cranes are separated by 30'. See Crane Data 4-1 on page 59.
 - Any modification to existing buildings is non-BBNA responsibility.
 -Column flange inside taper exceeds 4" of protrusion at 80" from finish floor.



GENERAL NOTES

MATERIALS

3 PLATE WELDED SECTIONS
 COLD FORMED LIGHT GAGE SHAPES
 BRACE RODS
 HOT ROLLED MILL SHAPES
 HOT ROLLED ANGLES
 HOLLOW STRUCTURAL SECTION (HSS)
 CLADDING

ASTM DESIGNATION

A529, A572, A1011, A1018
 A653, A1011
 A572, A510
 A36, A829, A572, A588, A992
 A529, A572, A588, A992
 A500
 A653, A792

GRADE 55
 GRADE 60
 GRADE 50
 GRADE 36 OR 50
 GRADE 50
 GRADE B
 GRADE 50 OR GRADE 80

HIGH STRENGTH BOLT TIGHTENING REQUIREMENTS

IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE REGULATIONS. SEE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS FOR MORE INFORMATION. SEE ERECTION GUIDE FOR BOLT TIGHTENING INSTRUCTIONS. THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E. SNUG TIGHT OR PRE-TENSION) UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT.

ALL A490 BOLTS SHALL BE "PRE-TENSIONED". A325 BOLTS IN PRIMARY FRAMING AND BRACING CONNECTIONS MAY BE "SNUG-TIGHT" EXCEPT AS FOLLOWS;

PRE-TENSION A325 BOLTS IF BUILDING SUPPORTS A CRANE GREATER THAN 5 TON CAPACITY.

PRE-TENSION A325 BOLTS IF BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT, OR STRESS REVERSALS ON CONNECTIONS.

PRE-TENSION A325 BOLTS IF LOCATED IN HIGH SEISMIC AREAS. FOR IBC BASED CODES; HIGH SEISMIC IS DESIGN CATEGORY D, E OR F. SEE CODES AND LOADS SECTION BELOW FOR DETAILS.

PRE-TENSION ANY CONNECTION WITH DESIGNATION 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 "PRE-TENSIONED", EXCEPT FOR SECONDARY MEMBERS AND FLANGE BRACES.

SECONDARY MEMBERS AND FLANGE BRACE CONNECTIONS ARE ALWAYS "SNUG TIGHT", UNLESS INDICATED OTHERWISE IN ERECTION DRAWING DETAILS.

INSPECTION AND TESTING

SPECIAL INSPECTIONS AND TESTING REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ) DURING CONSTRUCTION AND/OR STEEL FABRICATION IS THE RESPONSIBILITY OF THE OWNER OR OWNERS AUTHORIZED AGENT. WHEN REQUIRED, THE OWNER SHALL EMPLOY A QUALITY ASSURANCE AGENCY (QAA) APPROVED BY THE AHJ. THE BUILDER IS RESPONSIBLE TO COORDINATE BETWEEN THE QAA FIRM AND BBNA FABRICATION FACILITIES. THE TYPE AND EXTENT OF SPECIAL INSPECTIONS AND NDT WELD TESTING MUST BE SPECIFICALLY STIPULATED IN CONTRACT DOCUMENTS OR BBNA WILL ASSUME SPECIAL INSPECTIONS AND/OR NDT TESTING ARE WAIVED AS PERMITTED BY THE BUILDING CODE BASED ON BBNA FACILITIES IAS AC472 ACCREDITATION.

400 Freedom Dr.

This document has been electronically signed and sealed by Labib E. Asaad, P.E. using my digital signature with PE seal affixed. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copy.
 2019.01.25 11:02:54 06'00'



<p>THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.</p>	<p>THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.</p>	<p>D</p>	<p>BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102</p>	<p>COVER SHEET</p>	<p>BUILDER: McDonalds Design and Build</p>	<p>JOB#: 18-046260-01</p>
					<p>CUSTOMER:</p>	<p>DATE: 01.24.2019</p>
						<p>DRAWN/CHECKED: DMS /</p>
				<p>Butler Manufacturing VPC VERSION: 2018.2a</p>		<p>PAGE: 1</p>

Codes and Loads
 WHEN MULTIPLE BUILDINGS ARE INVOLVED, SPECIFIC LOAD FACTORS FOR DIFFERING OCCUPANCIES, BUILDING DIMENSIONS, HEIGHTS, FRAMING SYSTEMS, ROOF SLOPES, ETC., MAY RESULT IN DIFFERENT LOAD APPLICATION FACTORS THAN INDICATED BELOW. SEE CALCULATIONS FOR FURTHER DETAILS. WIND LOADS ARE APPLIED TO OVERALL BUILDING ENVELOPE. COMMON WALLS BETWEEN CONNECTED SHAPES ARE NOT SUBJECT TO EXTERNAL WIND LOADS.
 City: Napoleon County: Henry State: Ohio Country: United States

Building Code
 Building Code: Ohio Building Code - 2017 Edition Structural: 10AISC - ASD Rainfall: I: 6.00 inches per hour
 Based on Building Code: 2015 International Building Code Cold Form: 12AISI - ASD f'c: 3000.00 psi Concrete
 Building Risk/Occupancy Category: II (Standard Occupancy Structure)

Dead and Collateral Loads
 Collateral Gravity: 3.00 psf
 Collateral Uplift: 0.00 psf
 Material Dead Weight
 Roof Covering + Second. Dead Load: Varies
 Frame Weight (assumed for seismic): 2.50 psf
 Roof Live Load
 Roof Live Load: 20.00 psf Reducible

Wind Load
 Wind Speed: Vult: 120.00 (Vasd: 92.95) mph
 The 'Envelope Procedure' is Used
 Wind Exposure: B - Kz: 0.701
 Parts Wind Exposure Factor: 0.701
 Wind Enclosure: Enclosed
 Topographic Factor: Kzt: 1.0000
 NOT Windborne Debris Region
 Base Elevation: 0/0/0
 Primary Zone Strip Width: 2a: 13/1/7
 Parts / Portions Zone Strip Width: a: 6/6/12
 Basic Wind Pressure: q: 21.95 psf
 Snow Load
 Ground Snow Load: pg: 25.00 psf
 Flat Roof Snow: pf: 17.50 psf
 Design Snow (Sloped): ps: 17.50 psf
 Rain Surcharge: 0.00
 Specified Minimum Roof Snow: 20.00 psf (Code)
 Exposure Factor: 2 Partially Exposed - Ca: 1.00
 Snow Importance: Is: 1.000
 Thermal Factor: Heated - Ct: 1.00
 Ground / Roof Conversion: 0.70
 Seismic Load
 Lateral Force Resisting Systems using Equivalent Force Procedure
 Mapped MCE Acceleration: Ss: 17.00 %g
 Mapped MCE Acceleration: S1: 7.00 %g
 Site Class: Stiff soil (D)
 Seismic Importance: Ie: 1.000
 Design Acceleration Parameter: Sds: 0.1813
 Design Acceleration Parameter: Sd1: 0.1120
 Seismic Design Category: B
 Seismic Snow Load: 0.00 psf
 % Snow Used in Seismic: 0.00
 Diaphragm Condition: Flexible
 Fundamental Period Height Used: 16/5/8

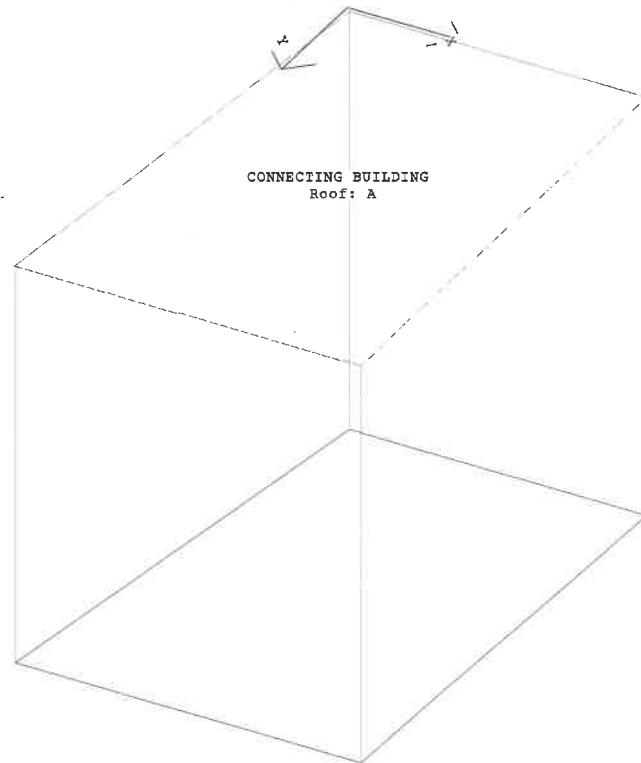
Transverse Direction Parameters
 System NOT detailed for Seismic
 Redundancy Factor: Rho: 1.00
 Fundamental Period: Ta: 0.2632
 R-Factor: 3.00
 Overstrength Factor: Omega: 2.50
 Deflection Amplification Factor: Cd: 3.00
 Base Shear: V: 0.0604 x W

Longitudinal Direction Parameters
 System NOT detailed for Seismic
 Redundancy Factor: Rho: 1.00
 Fundamental Period: Ta: 0.1634
 R-Factor: 3.00
 Overstrength Factor: Omega: 2.50
 Deflection Amplification Factor: Cd: 3.00
 Base Shear: V: 0.0604 x W

Snow Buildup Shape	Surface	Description	X Location	Y Location	Magnitude
CONNECTING BUILDING	Roof: A		11.8 ft	0.0 ft	70.0 psf
			11.8 ft	20.0 ft	70.0 psf
			-2.2 ft	20.0 ft	9.6 psf
			0.0 ft	0.0 ft	9.7 psf
			11.8 ft	0.0 ft	70.0 psf
			11.8 ft	20.0 ft	70.0 psf
			0.0 ft	20.0 ft	9.7 psf
		Snow Drift	5.0 ft	0.0 ft	32.0 psf
			11.8 ft	0.0 ft	70.0 psf
			11.8 ft	20.0 ft	70.0 psf
			5.0 ft	0.0 ft	32.0 psf
		Negate Sys SD	11.8 ft	0.0 ft	70.0 psf
			11.8 ft	20.0 ft	70.0 psf
			-2.2 ft	20.0 ft	9.6 psf
			-1.1 ft	10.1 ft	55.0 psf
			4.6 ft	10.8 ft	38.6 psf
			2.2 ft	0.2 ft	28.3 psf
			0.0 ft	0.0 ft	34.5 psf
		Snow Drift	0.0 ft	0.0 ft	55.0 psf
			0.0 ft	20.0 ft	55.0 psf
			-2.2 ft	20.0 ft	55.0 psf
		Snow Drift	0.0 ft	0.0 ft	55.0 psf
			0.0 ft	20.0 ft	55.0 psf
			5.0 ft	20.0 ft	32.0 psf
			5.0 ft	0.0 ft	32.0 psf
		Snow Drift (from Wall 2, Shape Team Shank Fabrication) : Roof:	12.0 ft	0.0 ft	70.0 psf
			12.0 ft	20.0 ft	70.0 psf
			-2.0 ft	20.0 ft	9.6 psf
		Snow Drift (from Wall 1, Shape existing shop building) : Roof: A	-1.0 ft	10.1 ft	55.0 psf
			4.7 ft	10.7 ft	38.5 psf
			2.3 ft	0.2 ft	28.2 psf
			0.0 ft	0.0 ft	34.8 psf

- The Snow Buildup loading shown is in addition to the flat or sloped roof snow.
- The X and Y Location dimensions are from the point of origin of each surface.

IMPORTANT NOTES:
 This building was designed with 120 mph wind as ordered. This building was designed for standard occupancy. This building does not have FM requirements.



PERMIT SET- For Building Dept. Approval



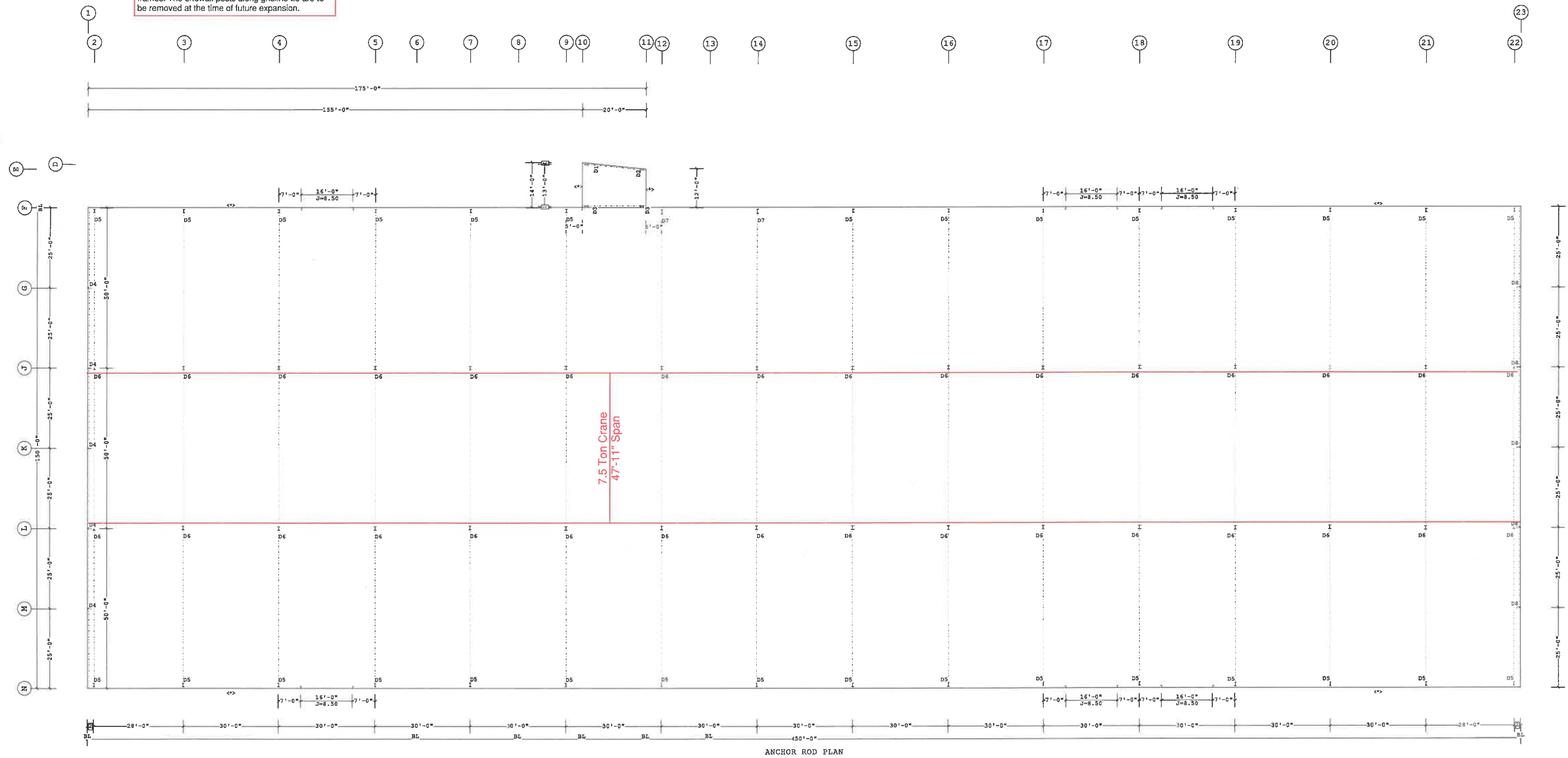
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
DRAWING SCALE: NTS			

CODES AND LOADS		 Butler Manufacturing VPC VERSION: 2018.2a	JOB #: 18-046260-01 DATE: 01.24.2019 DRAWING CHECK: DMS PAGE: 2
BUILDER:	McDonalds Design and Build		
CUSTOMER:			
LOCATION:	Napoleon, Ohio		
PROJECT:	Team Shank 150 x 400	BUILDER'S PO#:	

IMPORTANT NOTES:
 - This rear endwall along gridline 22 is designed for future expansion of 30'-0" centerline to centerline of frames. The endwall posts along gridline 23 are to be removed at the time of future expansion.



ANCHOR ROD PLAN

2 2'-0"
 1 6"
 Dimension Key



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<-> THE BUILDING IS DESIGNED WITH BRACING DIAGONALS IN THE DESIGNATED BAYS. COLUMN BASE REACTIONS, BASE PLATES AND ANCHOR RODS ARE AFFECTED BY THIS BRACING AND DIAGONALS MAY NOT BE RELOCATED WITHOUT CONSULTING THE BUILDING SUPPLIERS ENGINEER.

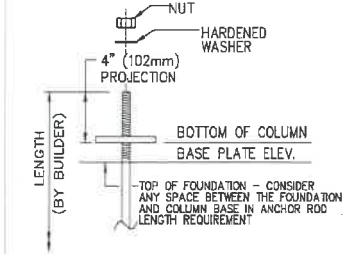
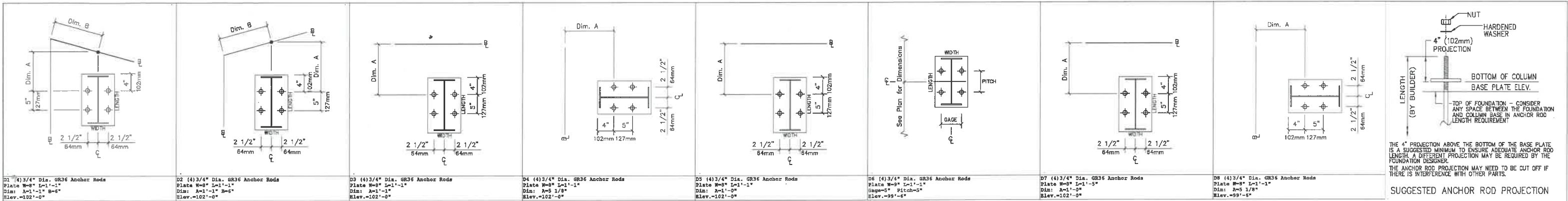
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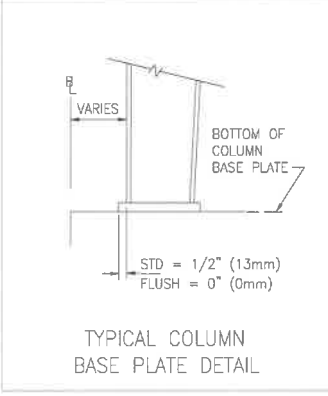
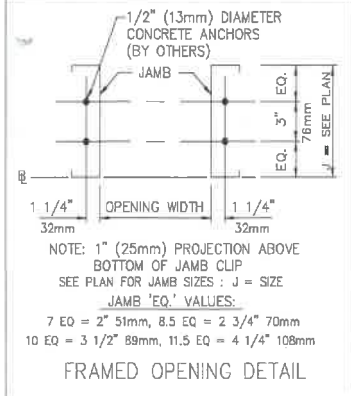
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
DRAWING SCALE: NTS			

ANCHOR ROD PLAN			JOB #: 18-046260-01 DATE: 01.24.2019 DRAWING CHECK: DMS / PAGE: 5
BUILDER:	McDonalds Design and Build		
CUSTOMER:		Butler Manufacturing VPC VERSION: 2018.2a	
LOCATION:	Napoleon, Ohio		
PROJECT:	Team Shank 150 x 400		
BUILDER'S PO#:			



SUGGESTED ANCHOR ROD PROJECTION



- ANCHOR RODS, NUTS, HARDENED WASHERS AND ANY OTHER EMBEDDED ITEMS ARE TO BE FURNISHED BY CONTRACTOR.
- ANCHOR ROD DIAMETERS WERE DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC SPECIFICATIONS (7-13KSI). (ASTM F1554 GRADE 36) ANCHOR ROD LENGTH EFFECTS OF EMBEDDED ANCHOR ROD EDGE DIMENSIONS AND METHOD OF TRANSFERRING FORCES FROM ANCHOR RODS TO FOOTINGS ARE TO BE DETERMINED BY OTHERS.
- UNLESS OTHERWISE SPECIFIED, ANCHOR RODS ARE DESIGNED AND DETAILED AS "CAST-IN-PLACE" ANCHOR RODS WITH "SNUG TIGHT" CONNECTIONS.
- FOUNDATION MUST BE LEVEL, SQUARE AND SMOOTH. ANCHOR RODS MUST BE ACCURATELY PLACED AS SHOWN ON THIS DRAWING OR STEEL WILL NOT FIT. THE BUILDER IS RESPONSIBLE FOR ACCURATE SETTING OF ANCHOR RODS PER AISC CODE OF STANDARD PRACTICE, SEC 7.5 VARIATIONS ARE SUMMARIZED BELOW.
 - CENTERS OF ANY TWO AR'S WITHIN A COLUMN BASE GROUP: $\pm 1/8"$
 - CENTERS OF ADJACENT AR GROUPS: $\pm 1/4"$
 - TOPS OF AR'S: $\pm 1/2"$
 - ACCUMULATED DIM BETWEEN CENTERS OF AR GROUPS ALONG COLUMN LINE: $\pm 1/4"$ PER 100FT., NOT TO EXCEED 1" TOTAL
 - DIM FROM CENTER OF ANY AR GROUP FROM COLUMN LINE: $\pm 1/4"$
- DESIGN LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT.

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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
			DESCRIPTION:
DRAWING SCALE:			NTS

ANCHOR ROD PLAN - DETAILS			JOB #: 18-046260-01 DATE: 01.24.2019 DRAWING CHECK: DMS / PAGE: 6
BUILDER:	McDonalds Design and Build		
LOCATION:	Napoleon, Ohio	PROJECT:	Team Shank 150 x 400
BUILDER'S PO#:			

□	Rod, Strut, and Misc. Connection Bolts
Id Qty	Grade Bolt Diam. Bolt Length PartNo
1 2	A325 3/4" 2 1/2" 0097284

Crane Tieback Parts Schedule	
Detail	Part
1 CR01C9	19MDE00050



2 2'-0"
1 6"
□ Dimension Key

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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Shape Name = CONNECTING BUILDING , Shape = Team Shank Fabrication

D	BUTLER MANUFACTURING		1540 GENESSEE ST. KANSAS CITY, MO 64102	
	REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS				

PRIMARY AND ROOF BRACING PLAN		BUTLER	
BUILDER: McDonalds Design and Build	CUSTOMER:	PROJECT: Team Shank 150 x 400	BUILDER'S POR:
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS	DATE: 01.24.2019	PAGE: 7
JOB #: 18-046260-01		a division of BlueScope Buildings North America, Inc.	

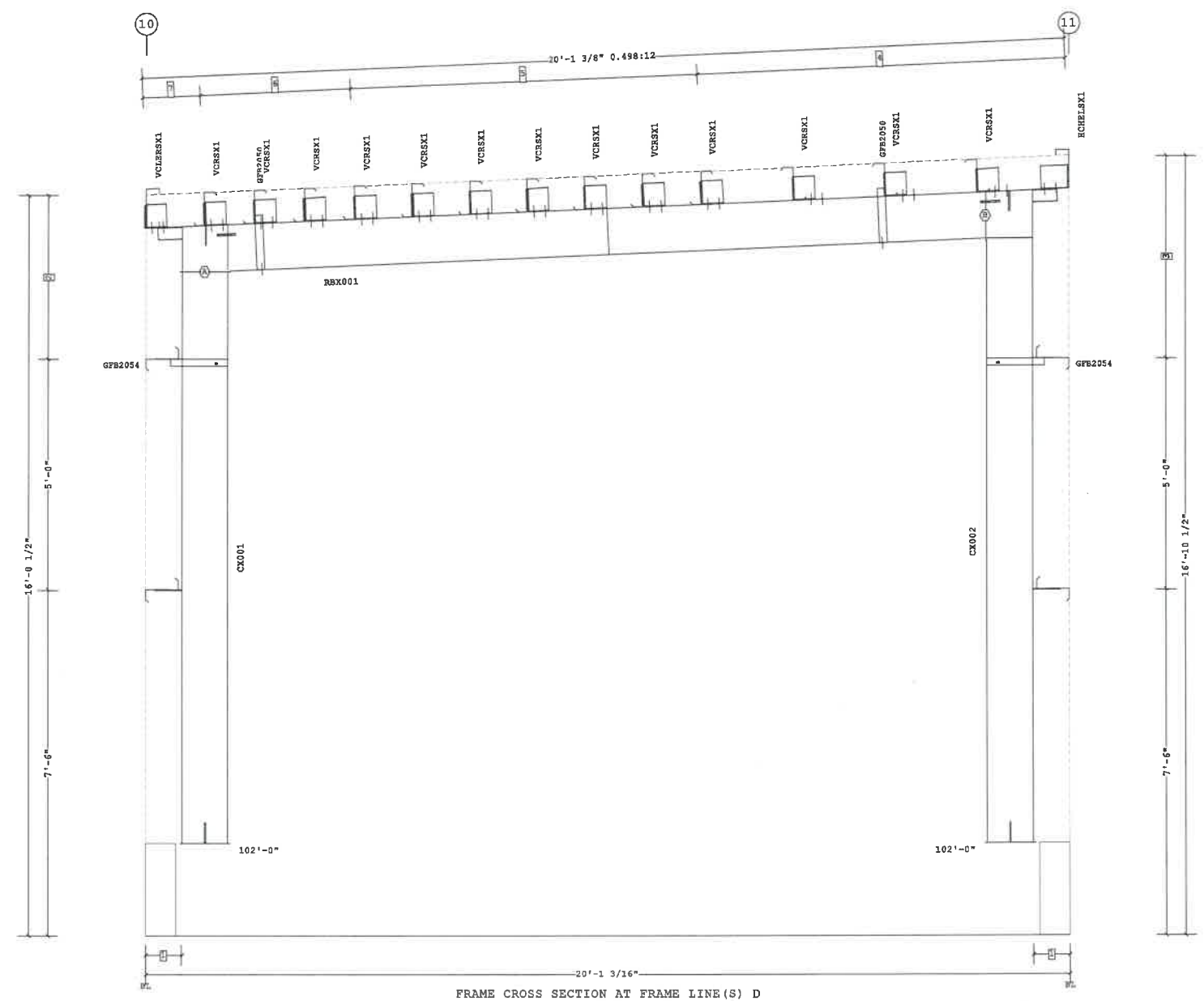


PERMIT SET- For Building Dept. Approval

Frame Member Schedule						
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2
CX001	1	5.0000	.1875	.1345	1'-0"	1'-0"
RBX001	2	5.0000	.1875	.1345	1'-0"	1'-0"
	3	5.0000	.1875	.1345	1'-0"	1'-0"
CX002	4	5.0000	.1875	.1345	1'-0"	1'-0"

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	4	A325	3/4"	2 1/2"	3/8"	1	1	0097284	
B	6	A325	3/4"	2 1/2"	3/8"	2	1	0097284	

Frame Clearances
 Horiz. Clearance between members 1 (CX001) and 4 (CX002): 16'-6 3/16"
 Vert. Clearance at member 1 (CX001): 14'-4 11/16"
 Vert. Clearance at member 4 (CX002): 15'-0 9/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



- 7 1'-3 5/16"
- 6 3 @ 1'-1 1/16"
- 5 6 @ 1'-3 1/16"
- 4 4 @ 2'-0 1/8"
- 3 4'-4 1/2"
- 2 3'-6 1/2"
- 1 9 1/2"

Dimension Key

Shape Name = CONNECTING BUILDING Wall 4, Frame 1

PERMIT SET- For Building Dept. Approval



1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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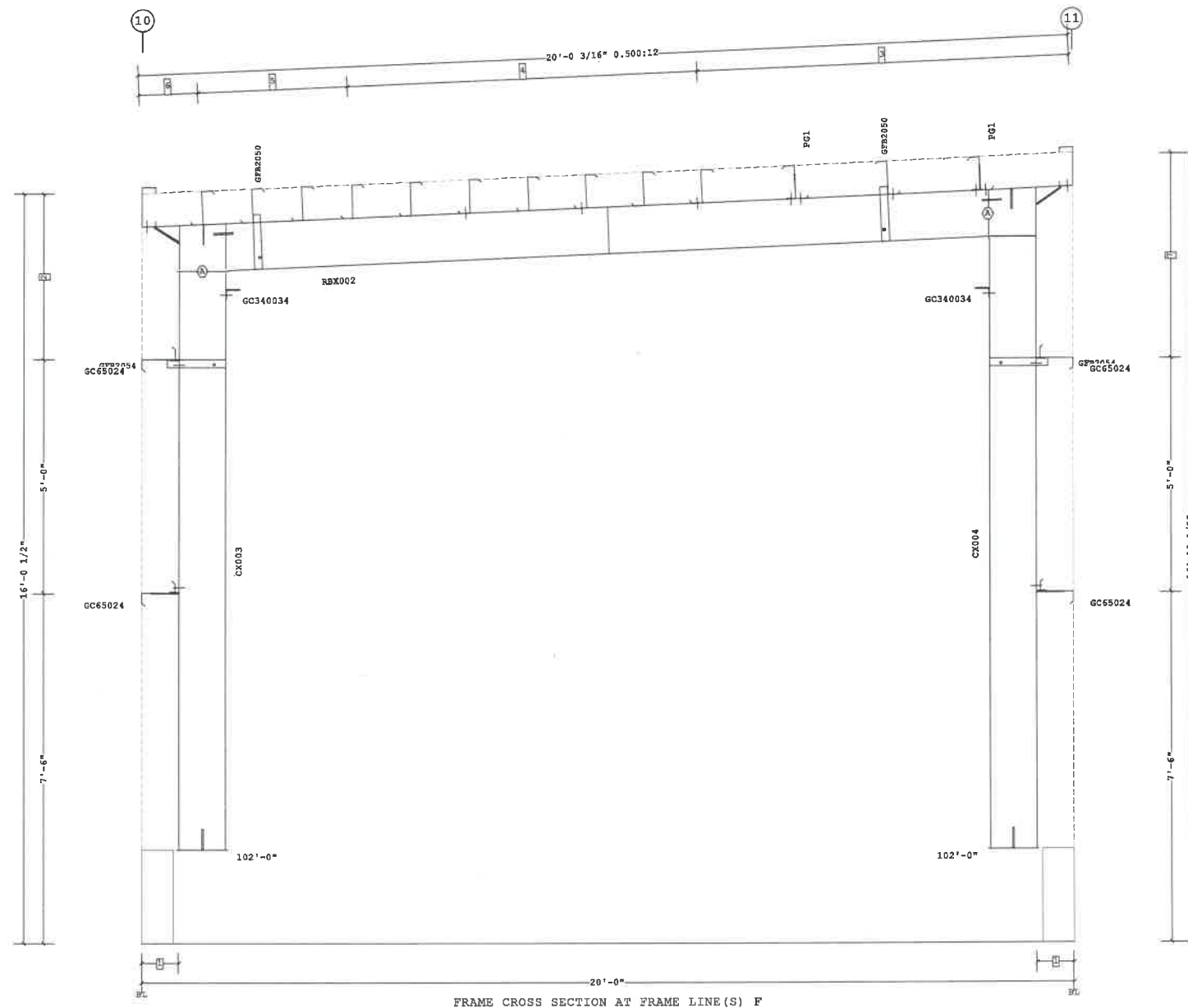
D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
			DESCRIPTION:
DRAWING SCALE:			NTS

FRAME CROSS SECTION AT FRAME LINE(S) D			Butler Manufacturing VPC VERSION: 2018.2a	JOB #: 18-046260-01 DATE: 01.24.2019 DRAWN/CHECK: DMS / PAGE: 8
BUILDER:	McDonalds Design and Build			
CUSTOMER:				
LOCATION:	Napoleon, Ohio			
PROJECT:	Team Shank 150 x 400			
BUILDER'S POR:				

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX003	1	5.0000	.1875	.1345	1'-0"	1'-0"	12'-4 11/16"	171#
RBX002	2	5.0000	.1875	.1345	1'-0"	1'-0"	18'-2 1/4"	234#
	3	5.0000	.1875	.1345	1'-0"	1'-0"		
CX004	4	5.0000	.1875	.1345	1'-0"	1'-0"	14'-1 9/16"	206#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	4	A325	3/4"	2 1/2"	3/8"	1	1	0097284	

Frame Clearances
 Horiz. Clearance between members 1(CX003) and 4(CX004): 16'-5"
 Vert. Clearance at member 1(CX003): 14'-4 11/16"
 Vert. Clearance at member 4(CX004): 15'-0 9/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



- 7 4'-4 1/2"
- 6 1'-3 3/16"
- 5 3 @ 1'-1"
- 4 6 @ 1'-3"
- 3 4 @ 2'-0"
- 2 3'-6 1/2"
- 1 9 1/2"

Dimension Key

Shape Name = CONNECTING BUILDING Wall 4, Frame 2

1. USE 1/2 X 1 1/2 A325 BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
DESCRIPTION:			BUILDER: McDonalds Design and Build
DRAWING SCALE: NTS			CUSTOMER:
			LOCATION: Napoleon, Ohio
			PROJECT: Team Shank 150 x 400
			BUILDER'S PO#:

PERMIT SET- For Building Dept. Approval

FRAME CROSS SECTION AT FRAME LINE(S) F

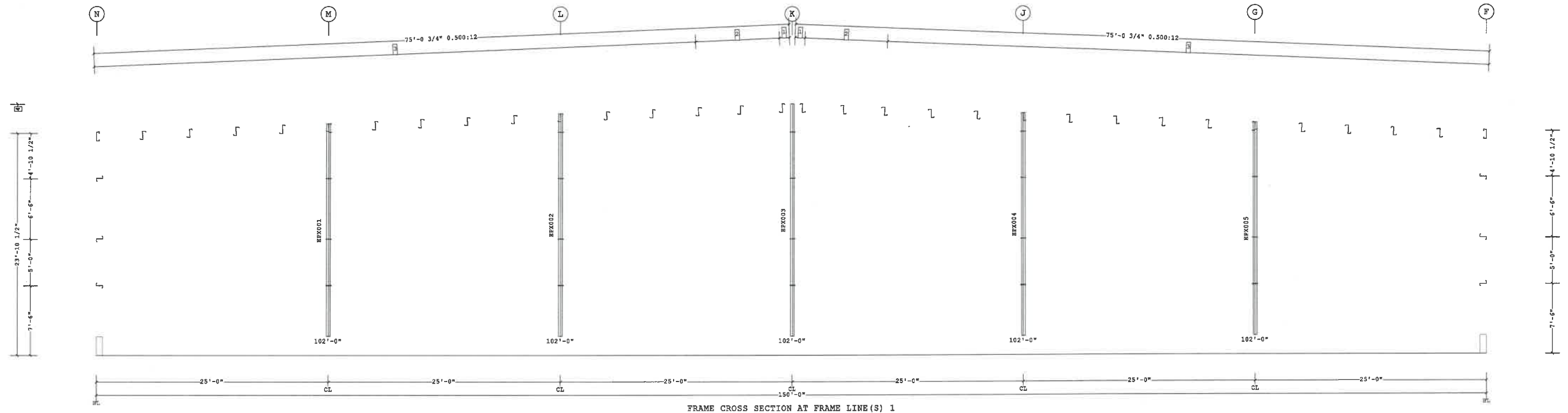


JOB #:	18-046260-01
DATE:	01.24.2019
DRAWN/CHECK:	DMS
PAGE:	9

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
EPX001	1	5.0000	.1875	.1345	1'-0"	1'-0"	22'-11"	162#
EPX002	2	5.0000	.1875	.1345	1'-0"	1'-0"	23'-11 1/2"	169#
EPX003	3	5.0000	.2500	.1345	1'-0"	1'-0"	25'-0"	229#
EPX004	4	5.0000	.1875	.1345	1'-0"	1'-0"	23'-11 1/2"	169#
EPX005	5	5.0000	.1875	.1345	1'-0"	1'-0"	22'-11"	162#

Frame Clearances
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

IMPORTANT NOTES:
 - Front Endwall is not designed for future expansion.
 Do not remove these endwall posts.



FRAME CROSS SECTION AT FRAME LINE(S) 1

- 4 27'-0" Ridge Ht.
- 3 13 @ 5'-0"
- 2 2 @ 4'-5 11/16"
- 1 1'-1 3/8"

Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 1

PERMIT SET- For Building Dept. Approval

1. USE 1/2 X 1 1/2 A325 BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			FRAME CROSS SECTION AT FRAME LINE(S) 1	
	REV:	DATE:	BY:	DESCRIPTION:	BUILDER: McDonalds Design and Build
					CUSTOMER:
					LOCATION: Napoleon, Ohio
					PROJECT: Team Shank 150 x 400
					BUILDER'S POW:
DRAWING SCALE: NTS				JOB #: 18-046260-01	
				DATE: 01.24.2019	
				DRAWN/CHECK: DMS /	
				PAGE: 10	



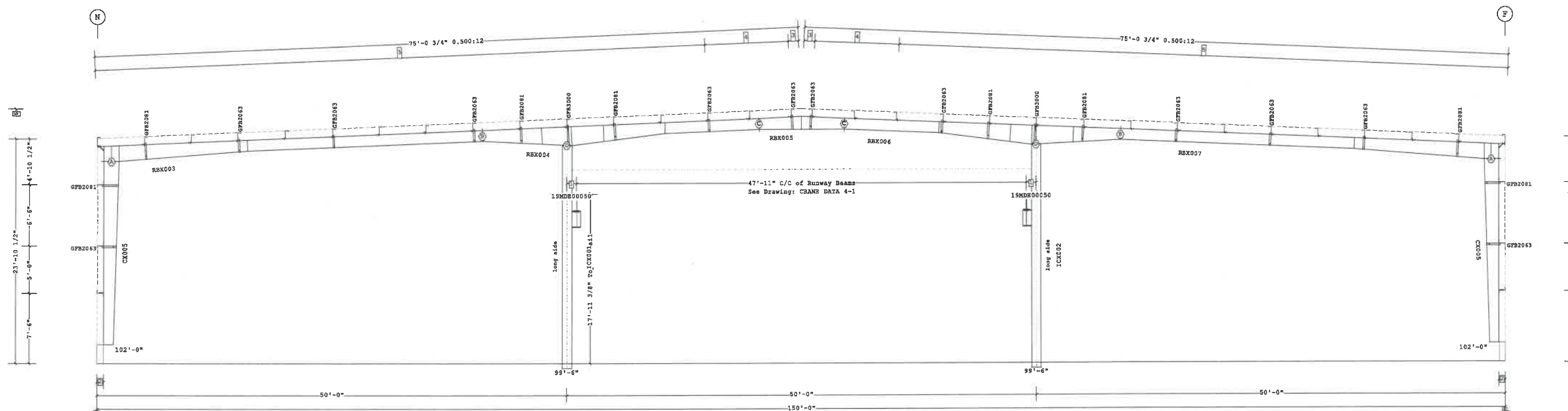
Frame Member	Schedule	Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX005	1	5.0000	.2500	.1345	1'-0"	1'-7"	1'-7"	19'-5 3/8"	331#	
RBX003	2	5.0000	.2500	.1345	1'-8"	1'-2"	1'-2"	41'-0 3/16"	667#	
RBX004	4	5.0000	.3125	.1345	1'-2"	2'-0"	2'-0"	29'-5 11/16"	553#	
RBX005	7	5.0000	.2500	.1345	1'-2"	1'-4 1/4"	1'-4 1/4"	9'-1 5/16"	159#	
RBX006	8	5.0000	.2500	.1345	1'-2"	1'-2"	1'-2"	29'-4 11/16"	551#	
RBX007	12	5.0000	.2500	.1345	1'-2"	1'-2"	1'-2"	41'-1 3/16"	668#	
CX005	14	5.0000	.2500	.1345	1'-0"	1'-7"	1'-7"	19'-5 3/8"	331#	
ICX001	15	8.0000	.3750	.1875	1'-0"	1'-0"	1'-0"	23'-8 1/4"	765#	
ICX002	16	8.0000	.3750	.1875	1'-0"	1'-0"	1'-0"	23'-8 1/4"	765#	

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	8	A325	3/4"	2 1/2"	1/2"	2	2	0097284		
B	6	A325	3/4"	2 1/2"	3/8"	2	1	0097284		
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284		
D	4	A325	1/2"	1 1/2"	3/8"	1	1	49080		

Frame Clearances
 Horiz. Clearance between members 1(CX005) and 14(CX005): 145'-5"
 Vert. Clearance at member 1(CX005): 21'-5 3/8"
 Vert. Clearance at member 14(CX005): 21'-5 3/8"
 Vert. Clearance at member 15(ICX001): 23'-1 3/4"
 Vert. Clearance at member 16(ICX002): 23'-1 3/4"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 5'-3 3/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 5'-3 3/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"

IMPORTANT NOTES:
 - This frame is not designed for future expansion.
 Do not remove these endwall posts connecting the rafters of this frame.



FRAME CROSS SECTION AT FRAME LINE(S) 2

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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Shape Name = Team Shank Fabrication Wall 4, Frame 2

D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
			DESCRIPTION:
DRAWING SCALE: NTS			

BUTLER MANUFACTURING		FRAME CROSS SECTION AT FRAME LINE(S) 2	
BUILDER: McDonalds Design and Build	CUSTOMER:		
LOCATION: Napoleon, Ohio	PROJECT: Team Shank 150 x 400		
BUILDER'S POK:			
JOB #: 18-046260-01	DATE: 01.24.2019	DRAWING CHECK: DMS	PAGE: 11
Butler Manufacturing		VPC VERSION: 2018.2a	



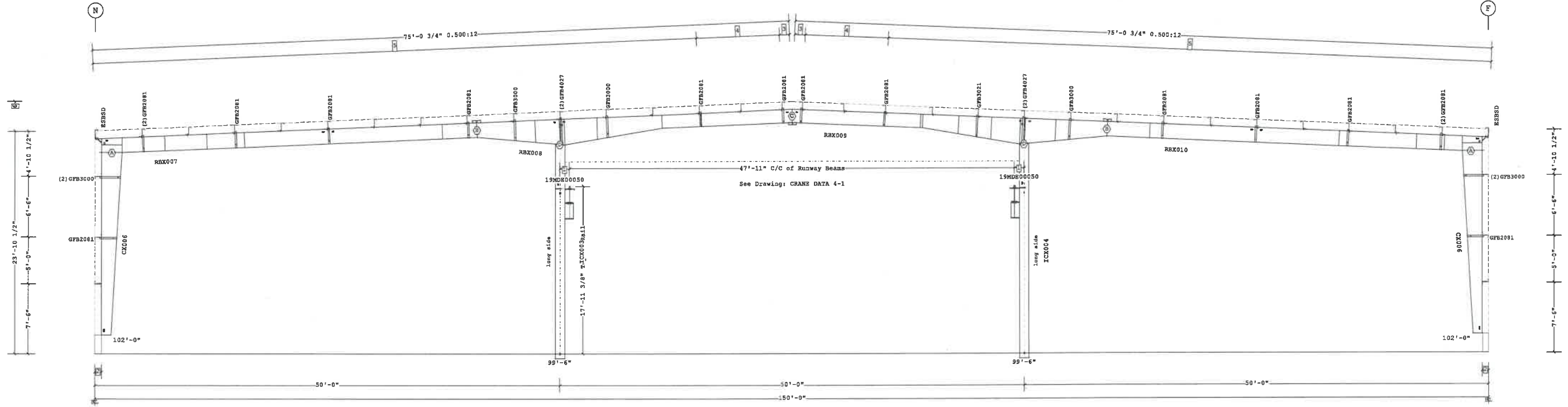
PERMIT SET- For Building Dept. Approval

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX006	1	5.0000	.2500	.1345	1'-0"	2'-2"	19'-6 7/8"	366#
RBX007	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	879#
RBX008	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX009	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	852#
RBX010	5	5.0000	.3750	.1875	2'-9"	1'-5"		
ICX003	6	5.0000	.2500	.1345	1'-5"	1'-5"		
ICX004	7	5.0000	.2500	.1345	1'-5"	1'-5"	34'-0"	854#
ICX003	8	5.0000	.3750	.1875	1'-5"	2'-9"		
ICX004	9	5.0000	.3750	.1875	2'-9"	1'-7"		
ICX003	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 9/16"	880#
ICX004	11	5.0000	.3125	.1345	1'-7"	1'-7"		
ICX003	12	5.0000	.2500	.1345	1'-0"	2'-2"	19'-6 7/8"	366#
ICX003	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	749#
ICX004	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	749#

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	16	A325	3/4"	2 1/2"	3/8"	4	4	0097284		
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284		
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284		
D	4	A325	1/2"	1 1/2"	3/8"	1	1	49080		

Frame Clearances
 Horiz. Clearance between members 1(CX006) and 12(CX006): 144'-3"
 Vert. Clearance at member 1(CX006): 21'-6 7/8"
 Vert. Clearance at member 12(CX006): 21'-6 7/8"
 Vert. Clearance at member 13(ICX003): 22'-4 11/16"
 Vert. Clearance at member 14(ICX004): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 3

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" Bl to CL of Runway Beam
- ☐ Dimension Key

1. USE 1/2 X 1 1/2 A325 BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
DESCRIPTION:			BUILDER: McDonalds Design and Build
DRAWING SCALE: NTS			CUSTOMER:
			LOCATION: Napoleon, Ohio
			PROJECT: Team Shank 150 x 400
			BUILDERS FOR:

PERMIT SET- For Building Dept. Approval

FRAME CROSS SECTION AT FRAME LINE(S) 3

 Butler Manufacturing VPC VERSION: 2018.2a	JOB #: 18-046260-01 DATE: 01.24.2019 DRAWING CHECK: DMS PAGE: 12
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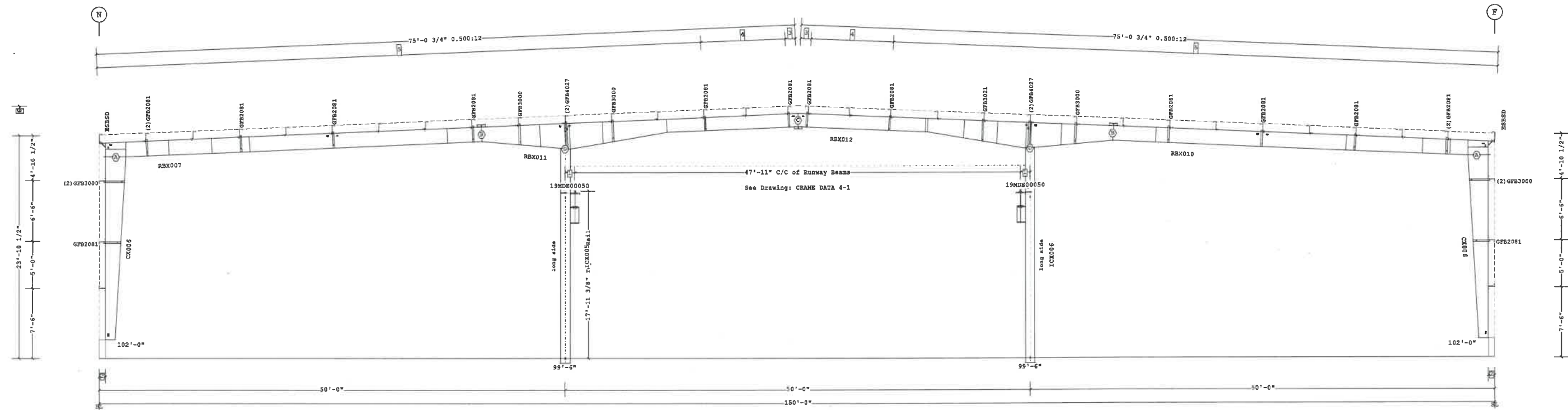


Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX006	1	5.0000	.2500	.1345	1'-0"	2'-2"	19'-6 7/8"	366#
RBX007	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	879#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX011	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	852#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX012	7	5.0000	.2500	.1345	1'-5"	1'-5"	34'-0"	854#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX010	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 9/16"	880#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX006	12	5.0000	.2500	.1345	1'-0"	2'-2"	19'-6 7/8"	366#
ICX005	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	749#
ICX006	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	749#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	16	A325	3/4"	2 1/2"	3/8"	4	4	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1(CX006) and 12(CX006): 144'-3"
 Vert. Clearance at member 1(CX006): 21'-6 7/8"
 Vert. Clearance at member 12(CX006): 21'-6 7/8"
 Vert. Clearance at member 13(ICX005): 22'-4 11/16"
 Vert. Clearance at member 14(ICX006): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 4

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 4

PERMIT SET- For Building Dept. Approval



1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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D			
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

FRAME CROSS SECTION AT FRAME LINE(S) 4	
BUILDER: McDonalds Design and Build	JOB#: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS /
PROJECT: Team Shank 150 x 400	PAGE: 13
BUILDER'S PO#:	

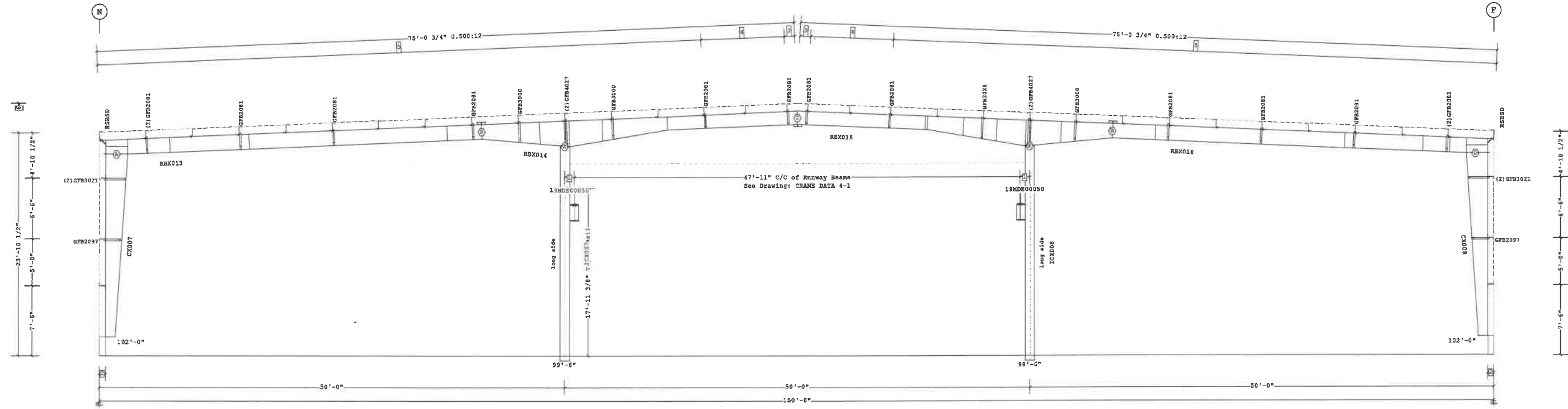


Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX007	1	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
RBX013	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	875#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX014	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	847#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX015	7	5.0000	.2500	.1345	1'-5"	1'-5"	33'-11 15/16"	848#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX016	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 5/8"	878#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX008	12	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
ICX007	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	745#
ICX008	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	745#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	12	A325	3/4"	2 1/2"	3/8"	3	3	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284	
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1(CX007) and 12(CX008): 143'-11"
 Vert. Clearance at member 1(CX007): 21'-6 15/16"
 Vert. Clearance at member 12(CX008): 21'-6 15/16"
 Vert. Clearance at member 13(ICX007): 22'-4 11/16"
 Vert. Clearance at member 14(ICX008): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 5

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 5

PERMIT SET- For Building Dept. Approval

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

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D			
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

FRAME CROSS SECTION AT FRAME LINE(S) 5	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS /
PROJECT: Team Shank 150 x 400	PAGE: 14
BUILDER'S PO#:	Butler Manufacturing WPC VERSION: 2018.2a

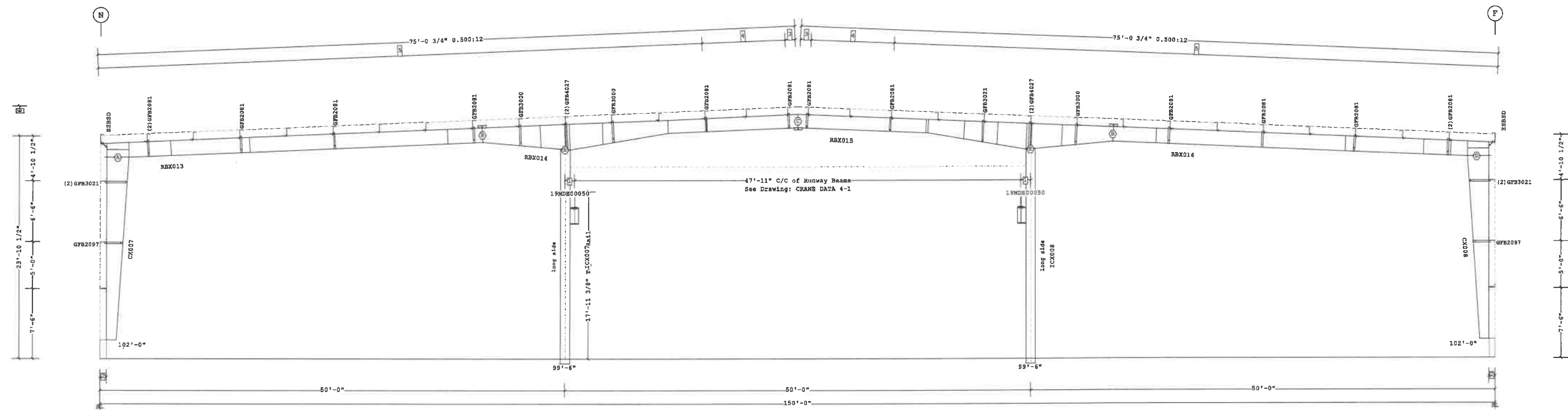


Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX007	1	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
RBX013	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	875#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX014	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	847#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX015	7	5.0000	.2500	.1345	1'-5"	1'-5"	33'-11 15/16"	848#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX016	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 5/8"	878#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX008	12	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
ICX007	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	745#
ICX008	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	745#

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	12	A325	3/4"	2 1/2"	3/8"	3	3	0097284		
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284		
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284		
D	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284		
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080		

Frame Clearances
 Horiz. Clearance between members 1(CX007) and 12(CX008): 143'-11"
 Vert. Clearance at member 1(CX007): 21'-6 15/16"
 Vert. Clearance at member 12(CX008): 21'-6 15/16"
 Vert. Clearance at member 13(ICX007): 22'-4 11/16"
 Vert. Clearance at member 14(ICX008): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 7

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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Shape Name = Team Shank Fabrication Wall 4, Frame 6

REV:	D		
	DATE:	BY:	DESCRIPTION:
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
DRAWING SCALE: NTS			

BUILDER: McDonalds Design and Build		JOB #: 18-046260-01	
CUSTOMER:		DATE: 01.24.2019	
LOCATION: Napoleon, Ohio		DRAWN/CHECK: DMS	
PROJECT: Team Shank 150 x 400		PAGE: 15	
BUILDER'S POK:		Butler Manufacturing VPC VERSION: 2018.2a	



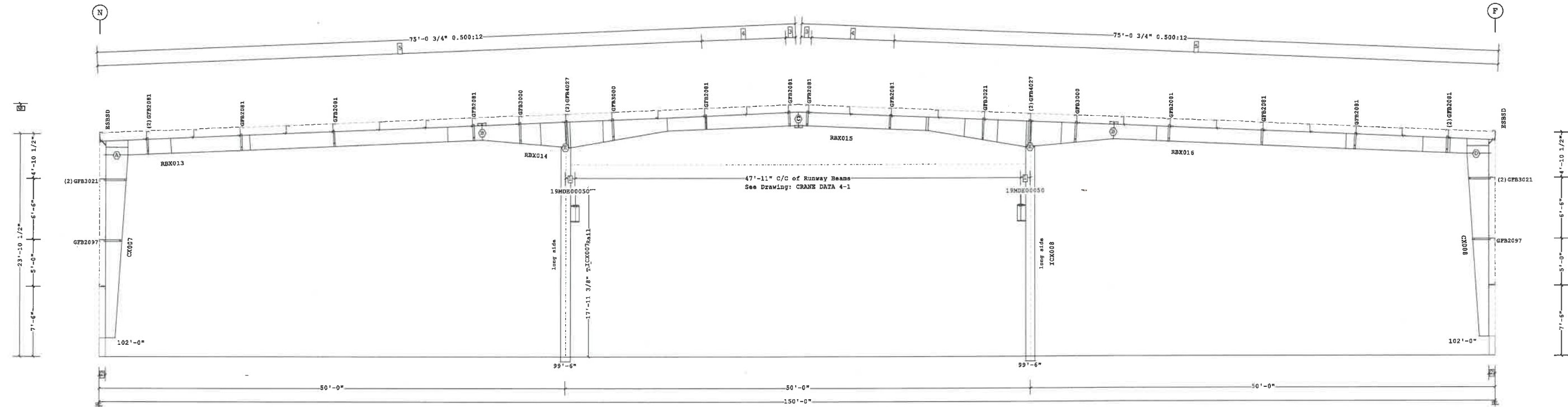
PERMIT SET- For Building Dept. Approval

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX007	1	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
RBX013	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	875#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX014	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	847#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX015	7	5.0000	.2500	.1345	1'-5"	1'-5"	33'-11 15/16"	848#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX016	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 5/8"	878#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX008	12	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
ICX007	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	745#
ICX008	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	745#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	12	A325	3/4"	2 1/2"	3/8"	3	3	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284	
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1(CX007) and 12(CX008): 143'-11"
 Vert. Clearance at member 1(CX007): 21'-6 15/16"
 Vert. Clearance at member 12(CX008): 21'-6 15/16"
 Vert. Clearance at member 13(ICX007): 22'-4 11/16"
 Vert. Clearance at member 14(ICX008): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 9

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 7

PERMIT SET- For Building Dept. Approval

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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D BUTLER MANUFACTURING
 1540 GENESSEE ST. KANSAS CITY, MO 64102

FRAME CROSS SECTION AT FRAME LINE(S) 9

REV.	DATE	BY	DESCRIPTION	BUILDER	CUSTOMER	LOCATION	PROJECT	BUILDER'S PO#	JOB #	DATE	DRAWN/CHECK	PAGE
				McDonalds Design and Build		Napoleon, Ohio	Team Shank 150 x 400		18-046260-01	01.24.2019	DMS /	16

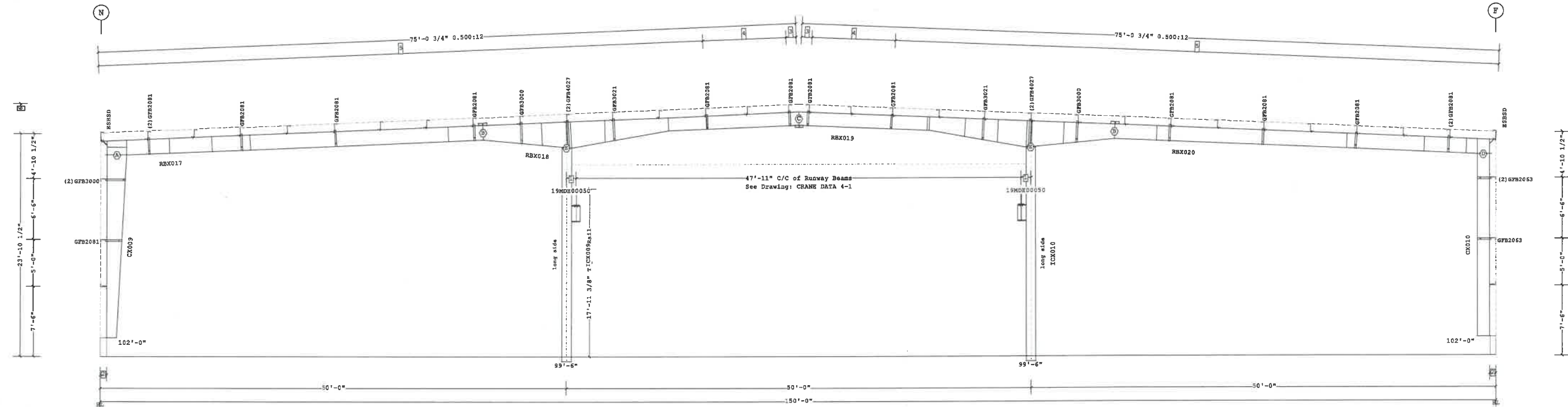


Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX009	1	5.0000	.2500	.1345	1'-0"	2'-1"	19'-6 13/16"	361#
RBX017	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	877#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX018	4	5.0000	.3750	.1875	1'-7"	2'-10"	34'-0 3/8"	853#
	5	5.0000	.3750	.1875	2'-10"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX019	7	5.0000	.2500	.1345	1'-5"	1'-5"	33'-11 3/4"	857#
	8	5.0000	.3750	.1875	1'-5"	2'-10"		
	9	5.0000	.3750	.1875	2'-10"	1'-7"		
RBX020	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 13/16"	933#
	11	5.0000	.3750	.1345	1'-7"	1'-7"		
CX010	12	6.0000	.3750	.1644	1'-4"	1'-4"	19'-6 1/4"	502#
ICX009	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-10 3/4"	743#
ICX010	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-10 3/4"	743#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	10	A325	3/4"	2 1/2"	5/8"	3	2	0097284	
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1 (CX009) and 12 (CX010): 145'-2"
 Vert. Clearance at member 1 (CX009): 21'-6 13/16"
 Vert. Clearance at member 12 (CX010): 21'-6 1/4"
 Vert. Clearance at member 13 (ICX009): 22'-3 11/16"
 Vert. Clearance at member 14 (ICX010): 22'-3 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1 (Left): 4'-5 1/2"
 Horiz. Clearance at CRANE DATA 4-1 (Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1 (Right): 4'-5 1/2"
 Horiz. Clearance at CRANE DATA 4-1 (Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 12

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- ☐ Dimension Key

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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Shape Name = Team Shank Fabrication Wall 4, Frame 8

D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
			DESCRIPTION:
DRAWING SCALE:			NTS

BUILDER: McDonalds Design and Build		JOB #: 18-046260-01
CUSTOMER:		
LOCATION: Napoleon, Ohio		DATE: 01.24.2019
PROJECT: Team Shank 150 x 400		DRAWN/CHECK: DMS
BUILDER'S PO#:		PAGE: 17



PERMIT SET- For Building Dept. Approval

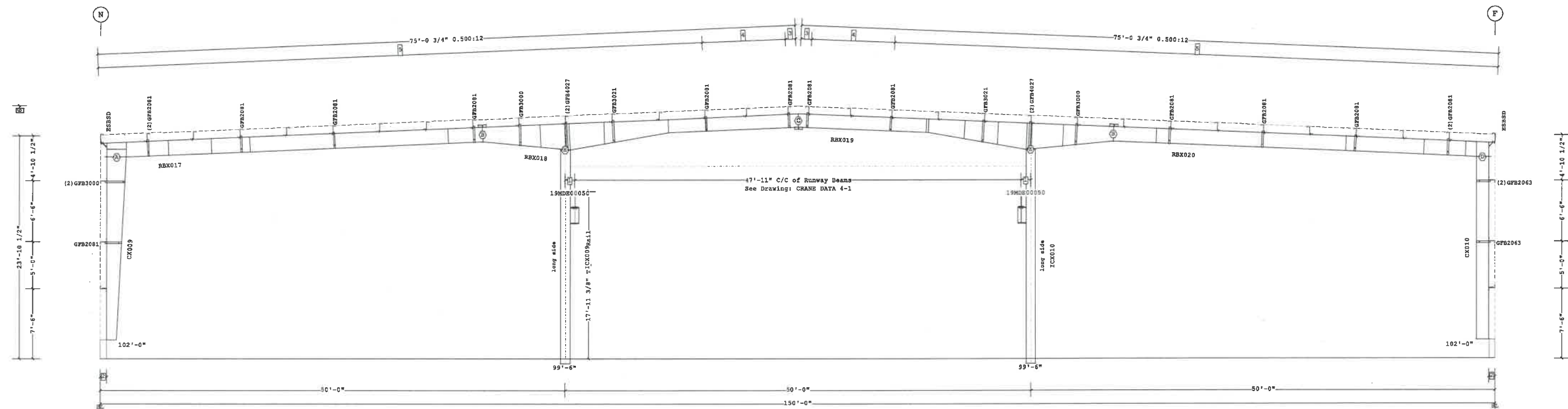
FRAME CROSS SECTION AT FRAME LINE(S) 12

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX009	1	5.0000	.2500	.1345	1'-0"	2'-1"	19'-6 13/16"	361#
RBX017	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	877#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX018	4	5.0000	.3750	.1875	1'-7"	2'-10"	34'-0 3/8"	853#
	5	5.0000	.3750	.1875	2'-10"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX019	7	5.0000	.2500	.1345	1'-5"	1'-5"	33'-11 3/4"	857#
	8	5.0000	.3750	.1875	1'-5"	2'-10"		
	9	5.0000	.3750	.1875	2'-10"	1'-7"		
RBX020	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 13/16"	933#
	11	5.0000	.3750	.1345	1'-7"	1'-7"		
CX010	12	6.0000	.3750	.1644	1'-4"	1'-4"	19'-6 1/4"	502#
ICX009	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-10 3/4"	743#
ICX010	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-10 3/4"	743#

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284		
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284		
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284		
D	10	A325	3/4"	2 1/2"	5/8"	3	2	0097284		
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080		

Frame Clearances
 Horiz. Clearance between members 1(CX009) and 12(CX010): 145'-2"
 Vert. Clearance at member 1(CX009): 21'-6 13/16"
 Vert. Clearance at member 12(CX010): 21'-6 1/4"
 Vert. Clearance at member 13(ICX009): 22'-3 11/16"
 Vert. Clearance at member 14(ICX010): 22'-3 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-5 1/2"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-5 1/2"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 14

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- ☐ Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 9

PERMIT SET- For Building Dept. Approval

1. USE 1/2 X 1 1/2 A325 BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
DESCRIPTION:			BUILDER: McDonalds Design and Build
DRAWING SCALE: NTS			CUSTOMER:
			LOCATION: Napoleon, Ohio
			PROJECT: Team Shank 150 x 400
			BUILDER'S POR:

FRAME CROSS SECTION AT FRAME LINE(S) 14

JOB #:	18-046260-01
DATE:	01.24.2019
DRAWN/CHECK:	DMS /
PAGE:	18

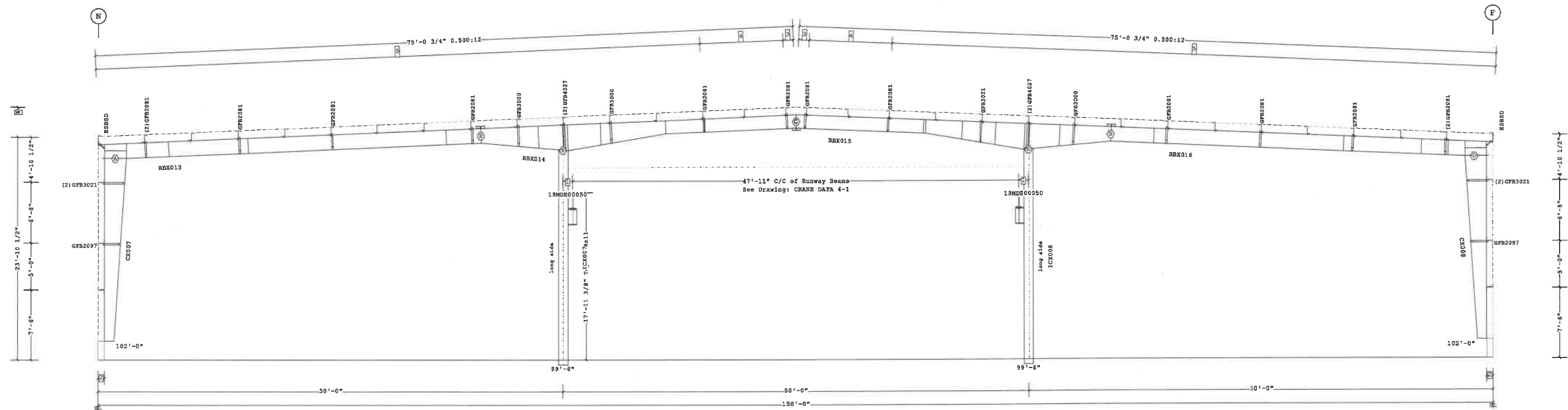


Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX007	1	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
RBX013	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	875#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX014	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	847#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX015	7	5.0000	.2500	.1345	1'-5"	1'-5"	33'-11 15/16"	848#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX016	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 5/8"	878#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX008	12	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
ICX007	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	745#
ICX008	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	745#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	12	A325	3/4"	2 1/2"	3/8"	3	3	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284	
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1(CX007) and 12(CX008): 143'-11"
 Vert. Clearance at member 1(CX007): 21'-6 15/16"
 Vert. Clearance at member 12(CX008): 21'-6 15/16"
 Vert. Clearance at member 13(ICX007): 22'-4 11/16"
 Vert. Clearance at member 14(ICX008): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 15

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 10

PERMIT SET- For Building Dept. Approval

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

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THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

FRAME CROSS SECTION AT FRAME LINE(S) 15			
BUILDER:	McDonalds Design and Build	JOB #:	18-046260-01
CUSTOMER:		DATE:	01.24.2019
LOCATION:	Napoleon, Ohio	DRAWN/CHECKED:	DMS /
PROJECT:	Team Shank 150 x 400	BUILDER'S JOB #:	19
BUTLER Manufacturing VPC VERSION: 2018.2a		19	

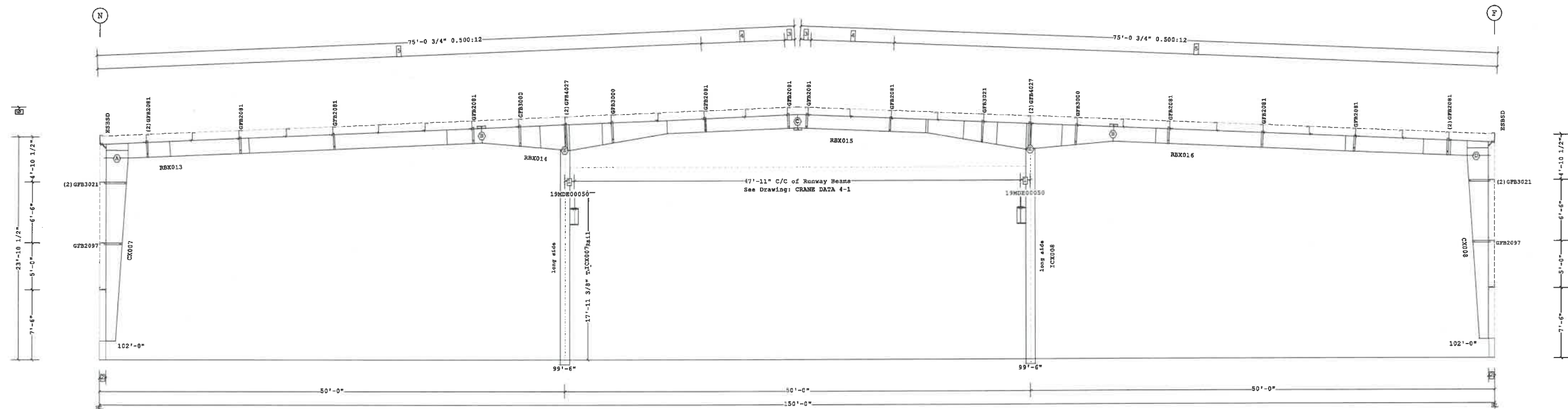


Frame Member Schedule						
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2
CX007	1	5.0000	.2500	.1345	1'-0"	2'-4"
RBX013	2	5.0000	.3125	.1345	1'-7"	1'-7"
	3	5.0000	.3750	.1345	1'-7"	1'-7"
RBX014	4	5.0000	.3750	.1875	1'-7"	2'-9"
	5	5.0000	.3750	.1875	2'-9"	1'-5"
	6	5.0000	.2500	.1345	1'-5"	1'-5"
RBX015	7	5.0000	.2500	.1345	1'-5"	1'-5"
	8	5.0000	.3750	.1875	1'-5"	2'-9"
	9	5.0000	.3750	.1875	2'-9"	1'-7"
RBX016	10	5.0000	.3750	.1345	1'-7"	1'-7"
	11	5.0000	.3125	.1345	1'-7"	1'-7"
CX008	12	5.0000	.2500	.1345	1'-0"	2'-4"
ICX007	13	8.0000	.3750	.1875	1'-0"	1'-0"
ICX008	14	8.0000	.3750	.1875	1'-0"	1'-0"

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	12	A325	3/4"	2 1/2"	3/8"	3	3	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284	
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1(CX007) and 12(CX008): 143'-11"
 Vert. Clearance at member 1(CX007): 21'-6 15/16"
 Vert. Clearance at member 12(CX008): 21'-6 15/16"
 Vert. Clearance at member 13(ICX007): 22'-4 11/16"
 Vert. Clearance at member 14(ICX008): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 16

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 11

PERMIT SET- For Building Dept. Approval



1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

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REV:	D			DESCRIPTION:
	DATE:	BY:		
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102				
DRAWING SCALE: NTS				

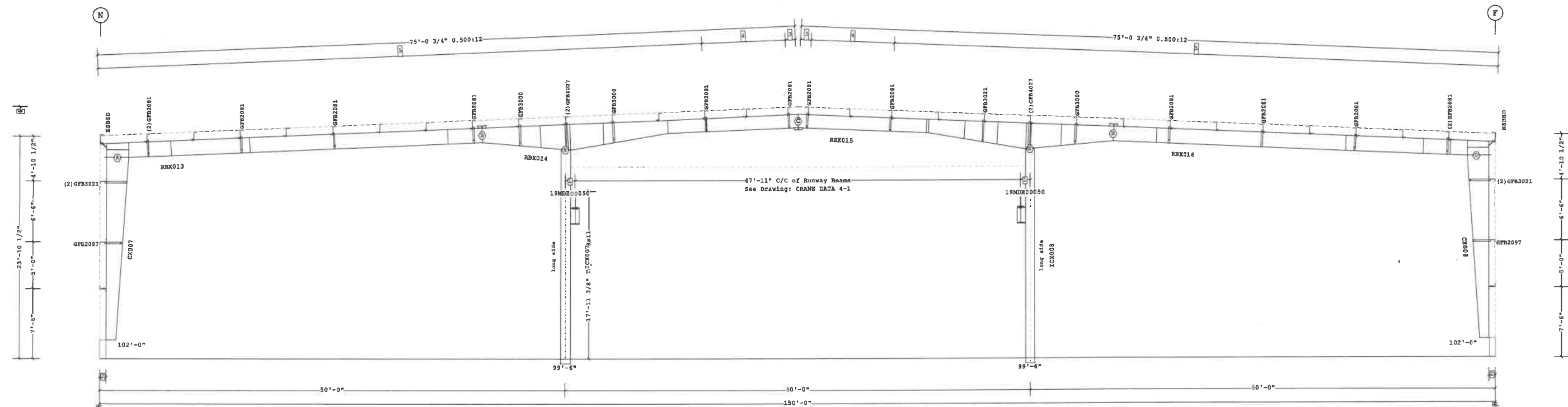
FRAME CROSS SECTION AT FRAME LINE(S) 16		BUILDER: McDonalds Design and Build		JOB #:
CUSTOMER:		LOCATION: Napoleon, Ohio		18-046260-01
PROJECT: Team Shank 150 x 400		DRAWING CHECK: DMS		DATE: 01.24.2019
BUILDER'S POC:		BUTLER Butler Manufacturing VPC VERSION: 2018.2a		PAGE: 20

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX007	1	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
RBX013	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	875#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX014	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	847#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX015	7	5.0000	.2500	.1345	1'-5"	1'-5"	33'-11 15/16"	848#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX016	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 5/8"	878#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX008	12	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
ICX007	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	745#
ICX008	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	745#

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	12	A325	3/4"	2 1/2"	3/8"	3	3	0097284		
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284		
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284		
D	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284		
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080		

Frame Clearances
 Horiz. Clearance between members 1 (CX007) and 12 (CX008): 143'-11"
 Vert. Clearance at member 1 (CX007): 21'-6 15/16"
 Vert. Clearance at member 12 (CX008): 21'-6 15/16"
 Vert. Clearance at member 13 (ICX007): 22'-4 11/16"
 Vert. Clearance at member 14 (ICX008): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1 (Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1 (Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1 (Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1 (Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 17

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 12

PERMIT SET- For Building Dept. Approval



1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

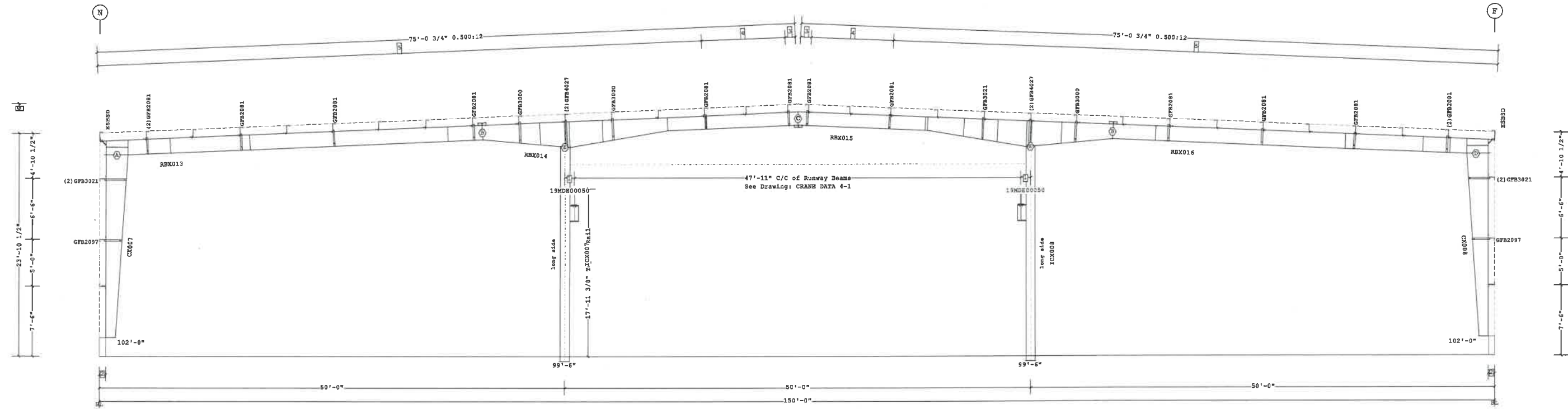
FRAME CROSS SECTION AT FRAME LINE(S) 17	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 21
BUILDER'S PO#:	BUTLER VPC VERSION: 2018.2a

Frame Member Schedule						
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2
CX007	1	5.0000	.2500	.1345	1'-0"	2'-4"
RBX013	2	5.0000	.3125	.1345	1'-7"	1'-7"
	3	5.0000	.3750	.1345	1'-7"	1'-7"
RBX014	4	5.0000	.3750	.1875	1'-7"	2'-9"
	5	5.0000	.3750	.1875	2'-9"	1'-5"
	6	5.0000	.2500	.1345	1'-5"	1'-5"
RBX015	7	5.0000	.2500	.1345	1'-5"	1'-5"
	8	5.0000	.3750	.1875	1'-5"	2'-9"
	9	5.0000	.3750	.1875	2'-9"	1'-7"
RBX016	10	5.0000	.3750	.1345	1'-7"	1'-7"
	11	5.0000	.3125	.1345	1'-7"	1'-7"
CX008	12	5.0000	.2500	.1345	1'-0"	2'-4"
ICX007	13	8.0000	.3750	.1875	1'-0"	1'-0"
ICX008	14	8.0000	.3750	.1875	1'-0"	1'-0"

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	12	A325	3/4"	2 1/2"	3/8"	3	3	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284	
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1(CX007) and 12(CX008): 143'-11"
 Vert. Clearance at member 1(CX007): 21'-6 15/16"
 Vert. Clearance at member 12(CX008): 21'-6 15/16"
 Vert. Clearance at member 13(ICX007): 22'-4 11/16"
 Vert. Clearance at member 14(ICX008): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 18

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 13

PERMIT SET- For Building Dept. Approval

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
			DESCRIPTION:
DRAWING SCALE: NTS			

FRAME CROSS SECTION AT FRAME LINE(S) 18		BUTLER	
BUILDER:	McDonalds Design and Build	JOB #:	18-046260-01
CUSTOMER:		DATE:	01.24.2019
LOCATION:	Napoleon, Ohio	DRAWN/CHECK:	DMS /
PROJECT:	Team Shank 150 x 400	PAGE:	22
BUILDER'S POR:		Butler Manufacturing VPC VERSION: 2018.2a	

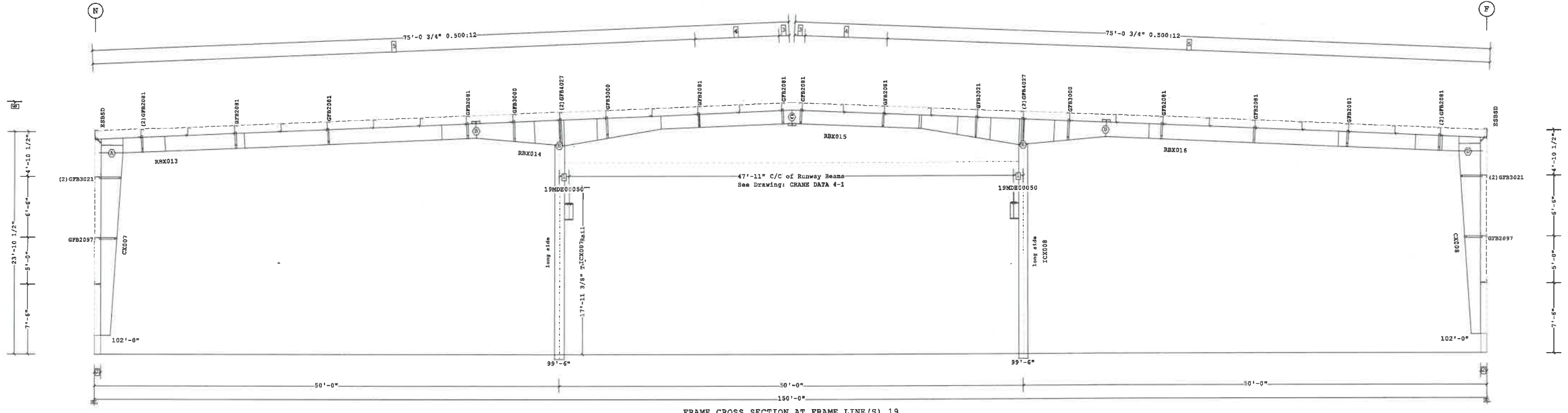


Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight
CX007	1	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
RBX013	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	875#
	3	5.0000	.3750	.1345	1'-7"	1'-7"		
RBX014	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	847#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX015	7	5.0000	.2500	.1345	1'-5"	1'-5"	33'-11 15/16"	848#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX016	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 5/8"	878#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX008	12	5.0000	.2500	.1345	1'-0"	2'-4"	19'-6 15/16"	376#
ICX007	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	745#
ICX008	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	745#

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo		
A	12	A325	3/4"	2 1/2"	3/8"	3	3	0097284		
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284		
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284		
D	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284		
E	4	A325	1/2"	1 1/2"	3/8"	1	1	49080		

Frame Clearances
 Horiz. Clearance between members 1 (CX007) and 12 (CX008): 143'-11"
 Vert. Clearance at member 1 (CX007): 21'-6 15/16"
 Vert. Clearance at member 12 (CX008): 21'-6 15/16"
 Vert. Clearance at member 13 (ICX007): 22'-4 11/16"
 Vert. Clearance at member 14 (ICX008): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 19

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 14

PERMIT SET- For Building Dept. Approval



1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
	REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS				

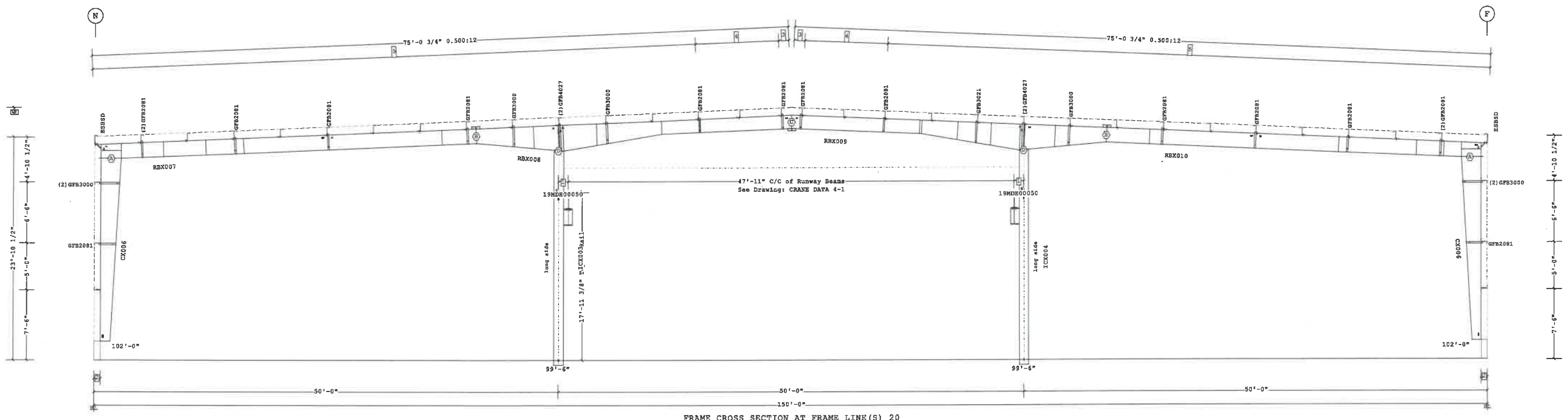
BUILDER: McDonalds Design and Build		JOB #: 18-046260-01	
CUSTOMER:		DATE: 01.24.2019	
LOCATION: Napoleon, Ohio		DRAWN/CHECK: DMS /	
PROJECT: Team Shank 150 x 400		PAGE: 23	
BUILDER'S PO#:		Butler Manufacturing VPC VERSION: 2018.2a	

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX006	1	5.0000	.2500	.1345	1'-0"	2'-2"	19'-6 7/8"	366#
RBX007	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	879#
RBX008	3	5.0000	.3750	.1345	1'-7"	1'-7"		
	4	5.0000	.3750	.1875	1'-7"	2'-9"	34'-0 3/8"	852#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX009	7	5.0000	.2500	.1345	1'-5"	1'-5"	34'-0"	854#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX010	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 9/16"	880#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX006	12	5.0000	.2500	.1345	1'-0"	2'-2"	19'-6 7/8"	366#
ICX003	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	749#
ICX004	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	749#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo	
A	16	A325	3/4"	2 1/2"	3/8"	4	4	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1(CX006) and 12(CX006): 144'-3"
 Vert. Clearance at member 1(CX006): 21'-6 7/8"
 Vert. Clearance at member 12(CX006): 21'-6 7/8"
 Vert. Clearance at member 13(ICX003): 22'-4 11/16"
 Vert. Clearance at member 14(ICX004): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"



FRAME CROSS SECTION AT FRAME LINE(S) 20

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 15

PERMIT SET- For Building Dept. Approval



1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
 2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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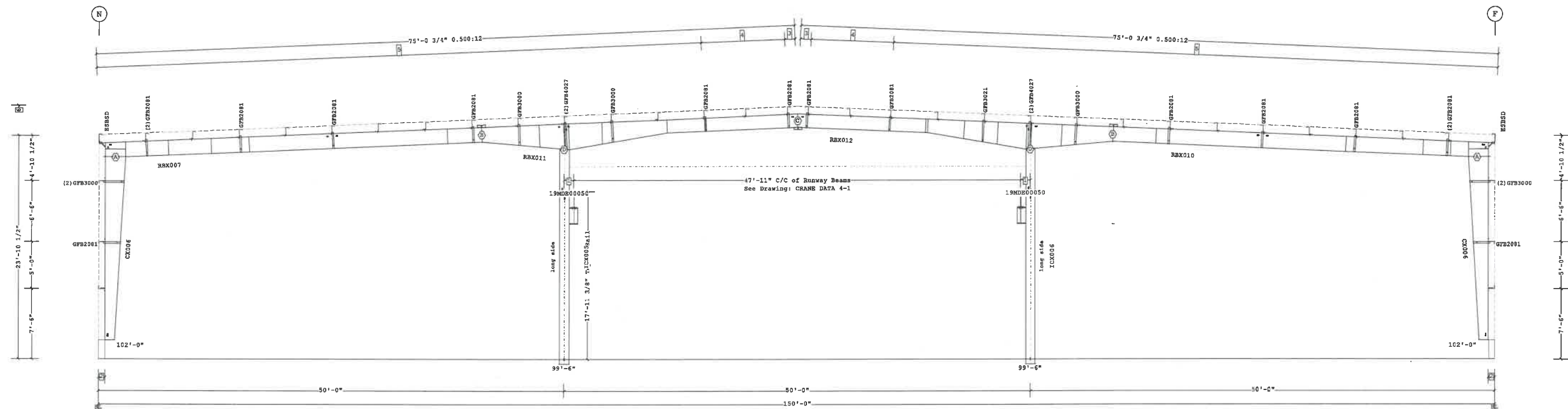
D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
DESCRIPTION:			BUILDER: McDonalds Design and Build CUSTOMER: LOCATION: Napoleon, Ohio PROJECT: Team Shank 150 x 400 BUILDER'S POR:
DRAWING SCALE: NTS			BUTLER Butler Manufacturing VPC VERSION: 2018.2a 24

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX006	1	5.0000	.2500	.1345	1'-0"	2'-2"	19'-6 7/8"	366#
RBX007	2	5.0000	.3125	.1345	1'-7"	1'-7"	41'-0 3/16"	879#
RBX011	4	5.0000	.3750	.1345	1'-7"	2'-9"	34'-0 3/8"	852#
	5	5.0000	.3750	.1875	2'-9"	1'-5"		
	6	5.0000	.2500	.1345	1'-5"	1'-5"		
RBX012	7	5.0000	.2500	.1345	1'-5"	1'-5"	34'-0"	854#
	8	5.0000	.3750	.1875	1'-5"	2'-9"		
	9	5.0000	.3750	.1875	2'-9"	1'-7"		
RBX010	10	5.0000	.3750	.1345	1'-7"	1'-7"	41'-0 9/16"	880#
	11	5.0000	.3125	.1345	1'-7"	1'-7"		
CX006	12	5.0000	.2500	.1345	1'-0"	2'-2"	19'-6 7/8"	366#
ICX005	13	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 11/16"	749#
ICX006	14	8.0000	.3750	.1875	1'-0"	1'-0"	22'-11 5/8"	749#

Bolt Connection & Plate Schedule									
Id	Qty	Grade	Bolt	Bolt	Plate	Rows	Rows	PartNo	
								Out	In
A	16	A325	3/4"	2 1/2"	3/8"	4	4	0097284	
B	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284	
C	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284	
D	4	A325	1/2"	1 1/2"	3/8"	1	1	49080	

Frame Clearances
 Horiz. Clearance between members 1(CX006) and 12(CX006): 144'-3"
 Vert. Clearance at member 1(CX006): 21'-6 7/8"
 Vert. Clearance at member 12(CX006): 21'-6 7/8"
 Vert. Clearance at member 13(ICX005): 22'-4 11/16"
 Vert. Clearance at member 14(ICX006): 22'-4 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-6 7/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"

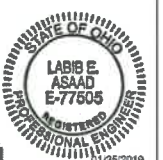


FRAME CROSS SECTION AT FRAME LINE(S) 21

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 16

PERMIT SET- For Building Dept. Approval



1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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D	BUTLER MANUFACTURING		
	1540 GENESSEE ST. KANSAS CITY, MO 64102		
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

BUILDER: McDonalds Design and Build		JOB #: 18-046260-01	
CUSTOMER:		DATE: 01.24.2019	
LOCATION: Napoleon, Ohio		DRAWN/CHECK: DMS /	
PROJECT: Team Shank 150 x 400		PAGE: 25	
BUILDER'S PO#:		Butler Manufacturing VPC VERSION: 2018.2a	

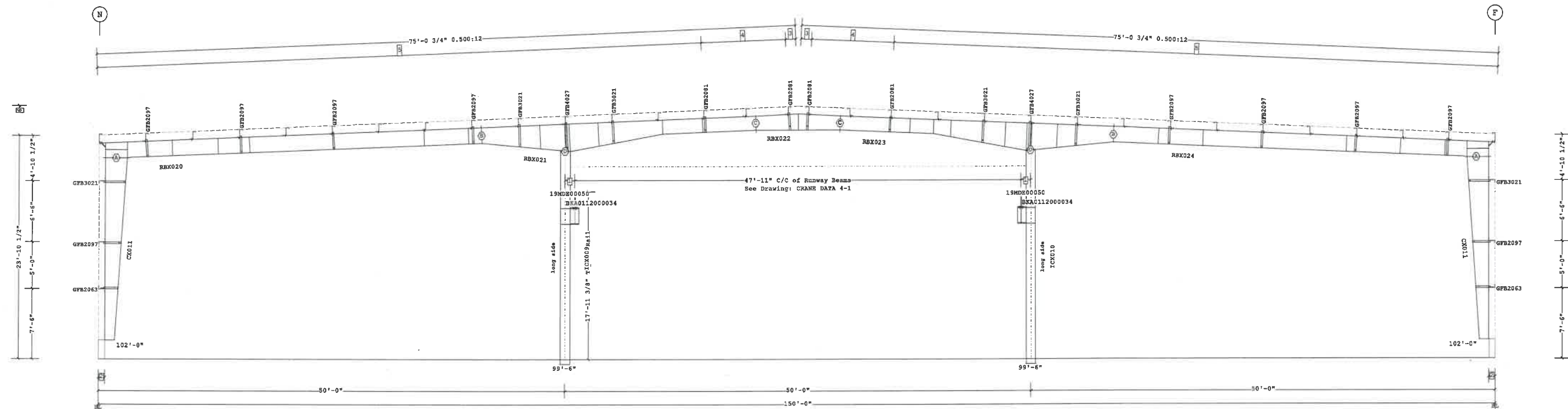
Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Detail
CX011	1	5.0000	.2500	.1345	1'-0"	2'-4"	19'-5 15/16"	375#	
RBX020	2	5.0000	.3125	.1345	1'-8"	1'-8"	41'-0 3/16"	899#	
RBX021	3	5.0000	.3750	.1345	1'-8"	1'-8"			
RBX021	4	5.0000	.3750	.1875	1'-8"	2'-11"	29'-5 11/16"	801#	
RBX021	5	5.0000	.3750	.1875	2'-11"	1'-6"			
RBX021	6	5.0000	.2500	.1345	1'-6"	1'-6"			
RBX022	7	5.0000	.2500	.1345	1'-6"	1'-8 1/4"	9'-1 5/16"	180#	
RBX022	8	5.0000	.2500	.1345	1'-8 1/4"	1'-6"			
RBX023	9	5.0000	.2500	.1345	1'-6"	1'-6"	29'-5"	801#	
RBX023	10	5.0000	.3750	.1875	1'-6"	2'-11"			
RBX023	11	5.0000	.3750	.1875	2'-11"	1'-8"			
RBX024	12	5.0000	.3750	.1345	1'-8"	1'-8"	41'-0 7/8"	900#	
RBX024	13	5.0000	.3125	.1345	1'-8"	1'-8"			
CX011	14	5.0000	.2500	.1345	1'-0"	2'-4"	19'-5 15/16"	375#	
ICX009	15	8.0000	.3750	.1875	1'-0"	1'-0"	22'-9 3/4"	740#	BRxxxx
ICX010	16	8.0000	.3750	.1875	1'-0"	1'-0"	22'-9 3/4"	740#	BRxxxx

Bolt Connection & Plate Schedule										
Id	Qty	Grade	Bolt	Bolt	Plate	Rows	Rows	PartNo	Out	In
			Dia.	Length	Thick.	Out	In			
A	14	A325	3/4"	2 1/2"	3/8"	4	3	0097284		
B	12	A325	3/4"	2 1/2"	3/8"	4	2	0097284		
C	8	A325	3/4"	2 1/2"	3/8"	1	3	0097284		
D	4	A325	1/2"	1 1/2"	3/8"	1	1	49080		

Frame Clearances
 Horiz. Clearance between members 1(CX011) and 14(CX011): 143'-11"
 Vert. Clearance at member 1(CX011): 21'-5 15/16"
 Vert. Clearance at member 14(CX011): 21'-5 15/16"
 Vert. Clearance at member 15(ICX009): 22'-2 11/16"
 Vert. Clearance at member 16(ICX010): 22'-2 11/16"
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

Crane Clearances at Top of Rail
 Vert. Clearance at CRANE DATA 4-1(Left): 4'-4 9/16"
 Horiz. Clearance at CRANE DATA 4-1(Left): 6 1/2"
 Vert. Clearance at CRANE DATA 4-1(Right): 4'-4 9/16"
 Horiz. Clearance at CRANE DATA 4-1(Right): 6 1/2"

IMPORTANT NOTES:
 - This frame is designed for future expansion of 30'-0" centerline to centerline of frames. The endwall posts connecting to the rafter of this frame may be removed at the time of future expansion.



FRAME CROSS SECTION AT FRAME LINE(S) 22

- 6 27'-0" Ridge Ht.
 - 5 13 @ 5'-0"
 - 4 2 @ 4'-5 11/16"
 - 3 1'-1 3/8"
 - 2 8 1/2"
 - 1 1'-0 1/2" BL to CL of Runway Beam
- Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 17

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

FRAME CROSS SECTION AT FRAME LINE(S) 22

BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 26
BUILDER'S PO#:	

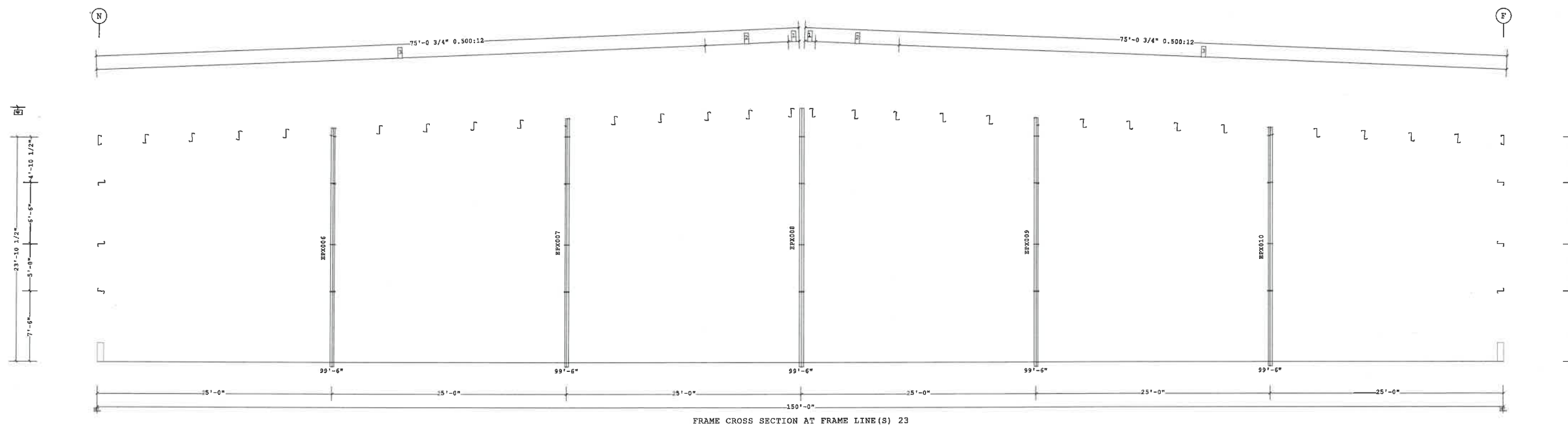


PERMIT SET- For Building Dept. Approval

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
EPX006	1	5.0000	.1875	.1345	1'-0"	1'-0"	25'-5"	178#
EPX007	2	5.0000	.2500	.1345	1'-0"	1'-0"	26'-5 1/2"	241#
EPX008	3	5.0000	.2500	.1345	1'-0"	1'-0"	27'-6"	250#
EPX009	4	5.0000	.2500	.1345	1'-0"	1'-0"	26'-5 1/2"	241#
EPX010	5	5.0000	.1875	.1345	1'-0"	1'-0"	25'-5"	178#

Frame Clearances
 Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

IMPORTANT NOTES:
 - This rear endwall is designed for future expansion of 30'-0" centerline to centerline of frames. These endwall posts may be removed at the time of future expansion.



FRAME CROSS SECTION AT FRAME LINE(S) 23

- 4 27'-0" Ridge Ht.
- 3 13 @ 5'-0"
- 2 2 @ 4'-5 11/16"
- 1 1'-1 3/8"

Dimension Key

Shape Name = Team Shank Fabrication Wall 4, Frame 18

PERMIT SET- For Building Dept. Approval



1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.
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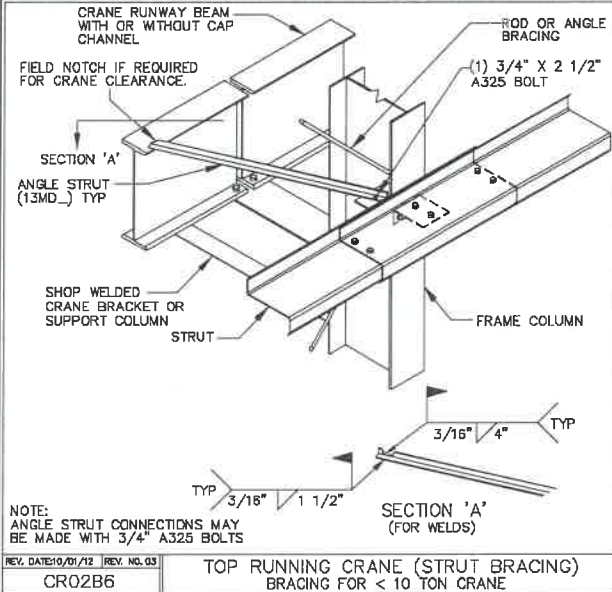
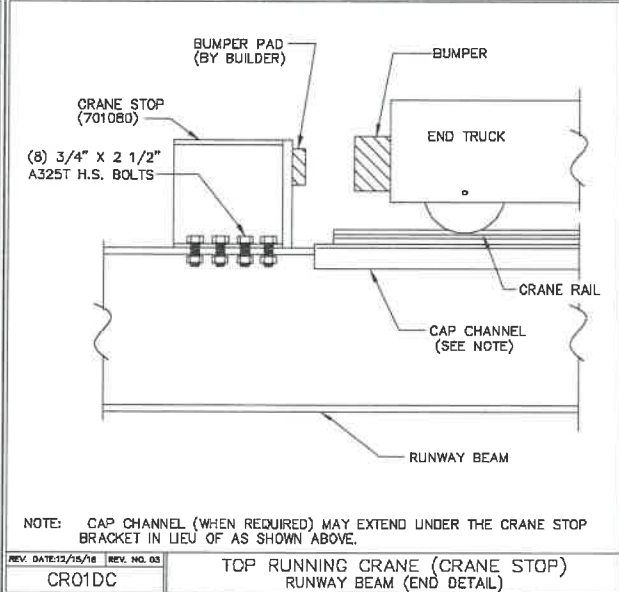
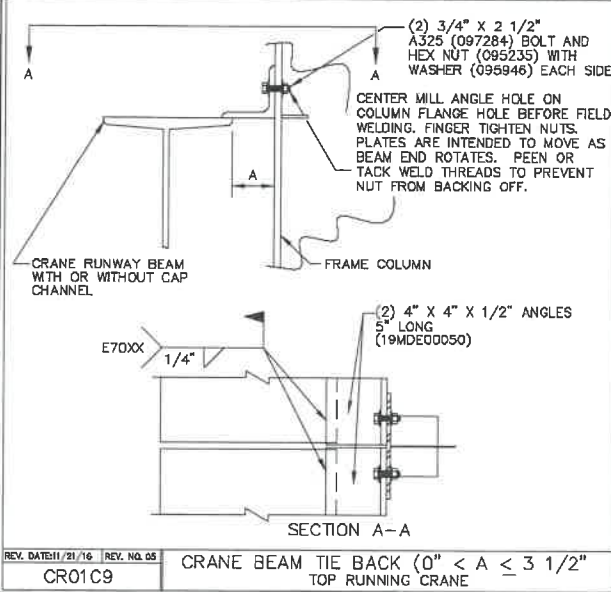
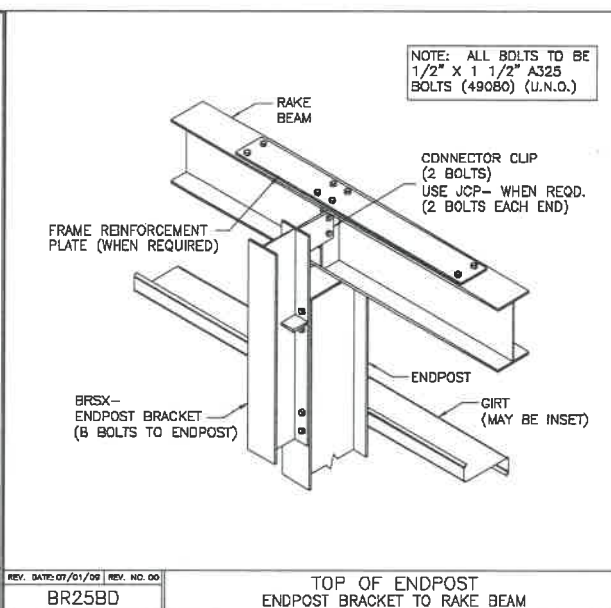
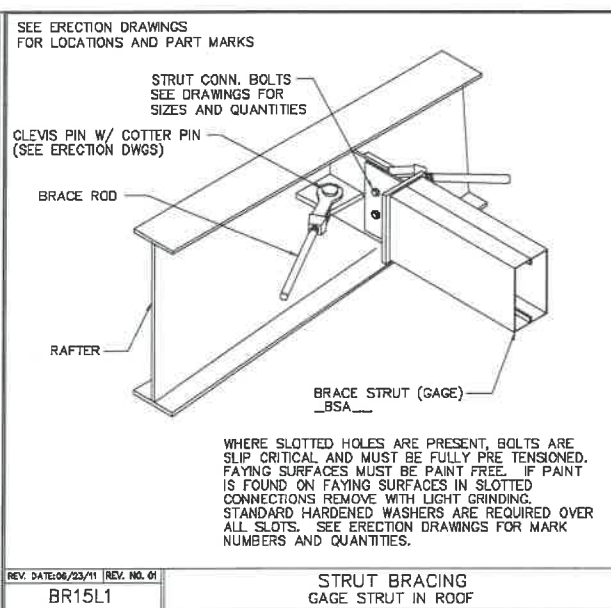
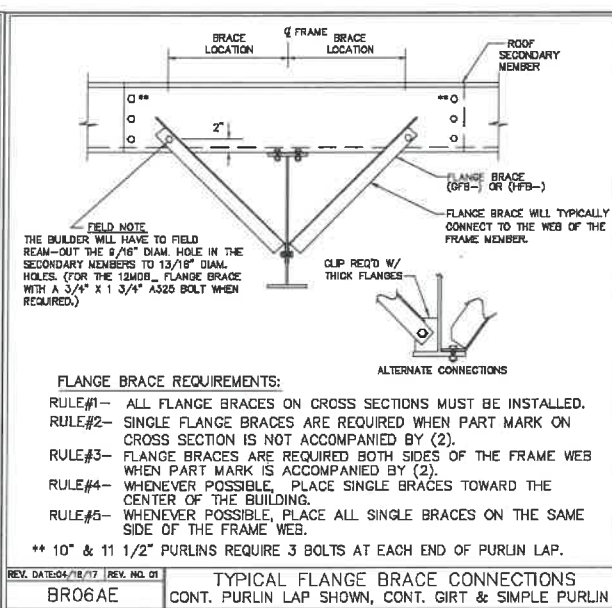
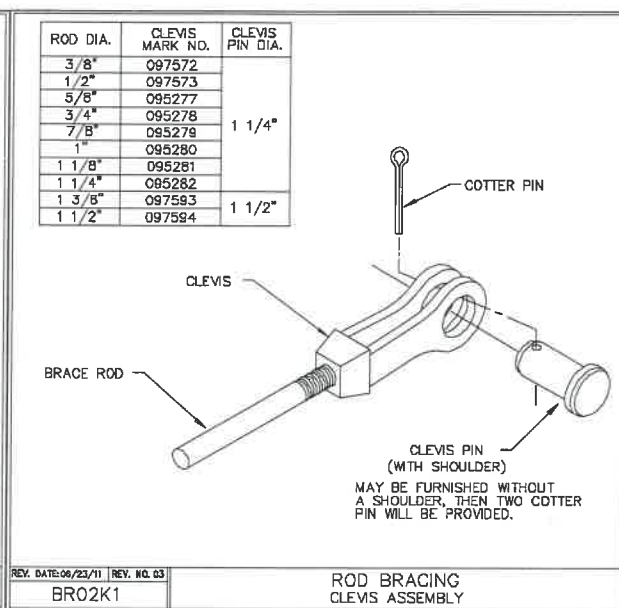
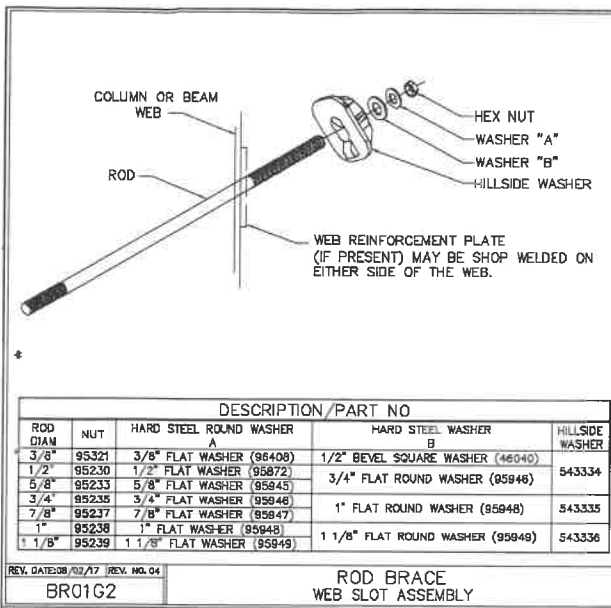
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			FRAME CROSS SECTION AT FRAME LINE(S) 23	
	REV:	DATE:	BY:	DESCRIPTION:	BUILDER: McDonalds Design and Build
					CUSTOMER:
					LOCATION: Napoleon, Ohio
					PROJECT: Team Shank 150 x 400
					BUILDER'S PO#:
DRAWING SCALE: NTS				JOB #: 18-046260-01	
				DATE: 01.24.2019	
				DRAWING CHECK: DMS	
				PAGE: 27	



Butler Manufacturing
 VPC VERSION: 2018.2a



F = FEET G = GAGE
I = INCHES O = OPERATION
E = EIGHTHS C = FIN/COLOR

PANEL/COVERING
W 1 3 1 1 7 2 6 1 K T D
* F F I I E G G O C C C
LENGTH CODE

INSULATION
I B 1 3 0 1 0 3 5 0 3 0 W V
* * F F F I I I I I I I E C C
LENGTH WIDTH THK CODE

SECONDARY (STANDARD)
0 5 2 1 9 1 1 4 1 7 - - - - -
* * * F F I I E G G * * * * *
DEPTH LENGTH GAGE ADJUST.CODES
SHAPE

SECONDARY (SPECIAL)
0 1 0 8 2 1 9 1 1 4 1 7 - - -
* * * * * F F I I E G G * * * * *
COUNTER DEPTH LENGTH GAGE ADJUST.CODES
SHAPE

ROD BRACING
0 3 R S 2 5 1 0
I E * * F F I I
DIA LENGTH

RS = THREADS BOTH ENDS
RT = THREADS ONE END - CLEVIS ONE END
RU = CLEVIS BOTH ENDS
RP = THREAD BOTH ENDS - NO HILLSIDES

CX*** = COLUMN (PLATE)
CGX*** = COLUMN (GAGE)
WCX*** = COLUMN (HOTROLL)

RBX*** = RAFTER (PLATE)
BCGX*** = RAFTER (GAGE)
WRX*** = RAFTER (HOTROLL)
TRX*** = TRUSS RAFTER

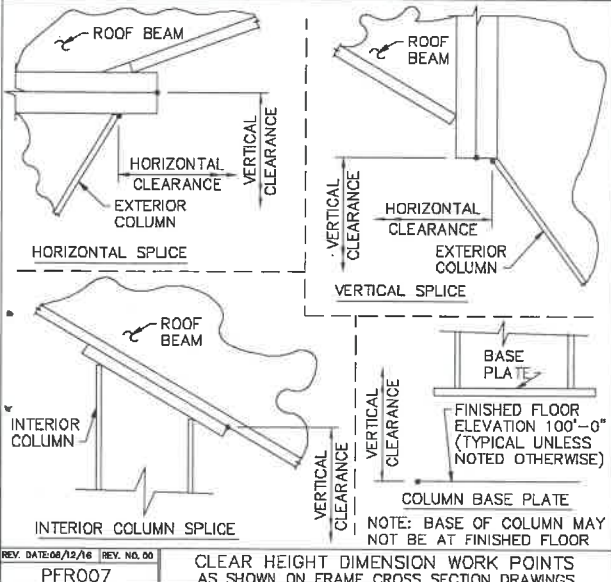
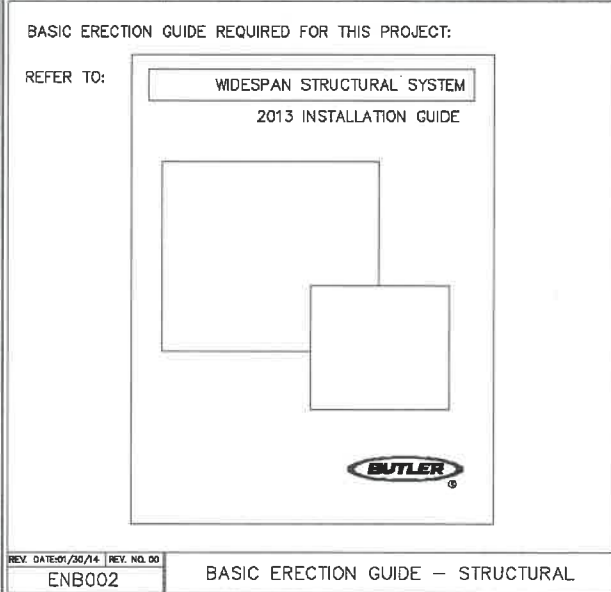
ICX*** = INTERIOR COLUMN
PCX*** = PIPE COLUMN
TCX*** = TUBE COLUMN

EPX*** = ENDPST (PLATE)
EGX*** = ENDPST (GAGE)

CBX*** = CANOPY (PLATE)
CBX*** = PIGGYBACK CANOPY

DCC*** = 8 1/2" GAGE POST
DCE*** = 10" GAGE POST

REV. DATE: 08/29/12 REV. NO. 01
EN50B1 MARK NUMBER KEY COMMON GENERATED MARK NUMBERS



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D BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV. DATE: BY: DESCRIPTION:

DRAWING SCALE: NTS

PERMIT SET- For Building Dept. Approval

PRIMARY BRACING SED'S

BUILDER: McDonalds Design and Build
CUSTOMER:
LOCATION: Napoleon, Ohio
PROJECT: Team Shank 150 x 400
BUILDER'S PO#:

JOB #: 18-046260-01
DATE: 01.24.2019
DRAWN/CHECK: DMS /
PAGE: 28

Butler Manufacturing
VPC VERSION: 2018.2a

LABIB E. ASAAD E-77605
PROFESSIONAL ENGINEER
STATE OF OHIO

1/24/2019 SEDSheet 13-06-43
a division of BlueScope Buildings North America, Inc.

1. USE 1/2 X 1 1/2 A325 BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.

2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

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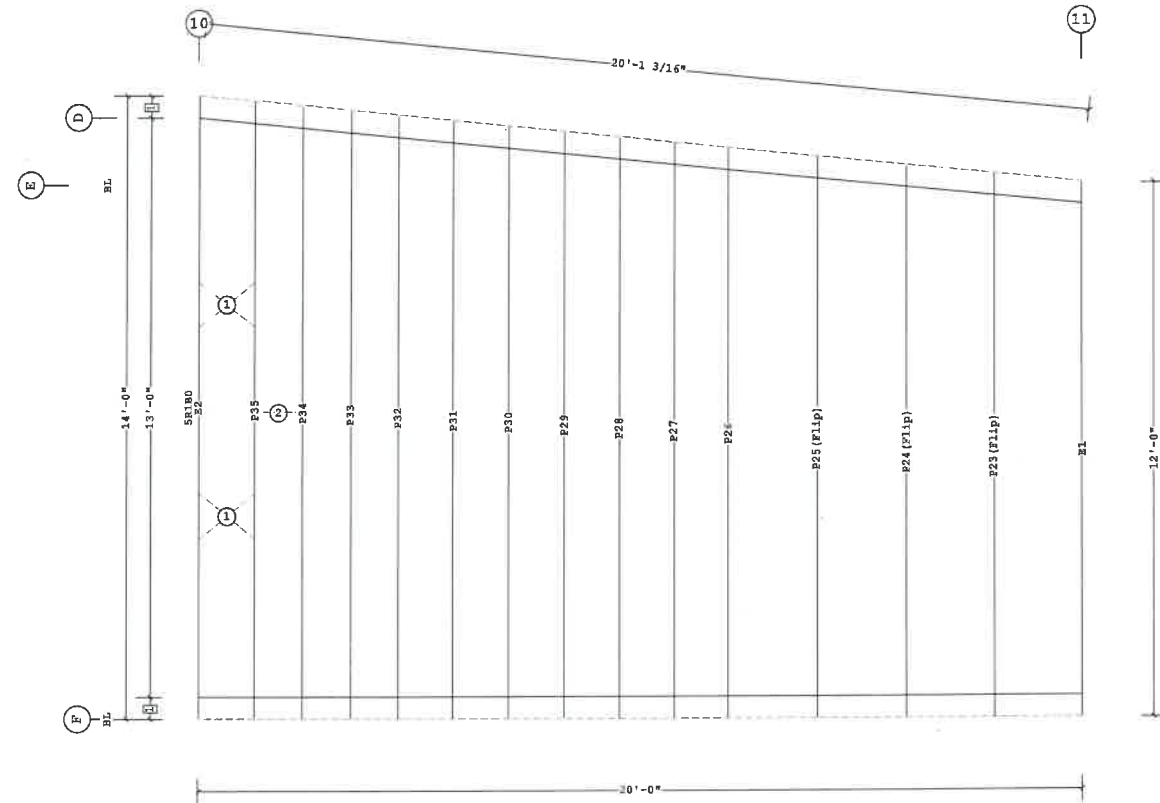
2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

Mark	Part	Thick.	Depth	Lap	Detail
E1	10H111417BB030	0.0600	10"		
E2	10E1311417BBA30	0.0600	10"		
P23	00108ZS120171603	0.0680	8 1/2"		RS71A4
P24	00208ZS120421603	0.0680	8 1/2"		RS71A4
P25	00308ZS120661603	0.0680	8 1/2"		RS71A4
P26	00408ZS120911703	0.0600	8 1/2"		RS71A4
P27	00508ZS121051703	0.0600	8 1/2"		RS71A4
P28	00608ZS130011703	0.0600	8 1/2"		RS71A4
P29	00708ZS1301516A3	0.0680	8 1/2"		RS71A4
P30	00808ZS1303117A3	0.0600	8 1/2"		RS71A4
P31	00908ZS1304516A3	0.0680	8 1/2"		RS71A4
P32	01008ZS1306116A3	0.0680	8 1/2"		RS71A4
P33	01108ZS1307316A3	0.0680	8 1/2"		RS71A4
P34	01208ZS1308516A3	0.0680	8 1/2"		RS71A4
P35	01308ZS1310017A3	0.0600	8 1/2"		RS71A4

Id	Qty	Mark No	Spacing
1	4	PBA0107	1'-3 3/16"
2	1	CPBB010208 (Typ. 1'-1"	

See SED:
BR09K5, BR09JG, BR09RY, BR09RZ, BR09JR

IMPORTANT NOTES:
This roof surface has not been design for any concentrated roof loads or sprinkler mains over 4" in diameter. If these conditions exist please contact Butler Manufacturing for a structural review.



ROOF SECONDARY PLAN

1 6"
Dimension Key

PERMIT SET- For Building Dept. Approval



1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
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REV.	DATE	BY	DESCRIPTION

DRAWING SCALE: NTS

BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		ROOF SECONDARY PLAN	
BUILDER: McDonalds Design and Build	CUSTOMER:	JOB #: 18-046260-01	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	PROJECT: Team Shank 150 x 400	DRAWING CHECK: DMS	PAGE: 29
BUILDERS PO#:		Butler Manufacturing VPC VERSION: 2018.2a	

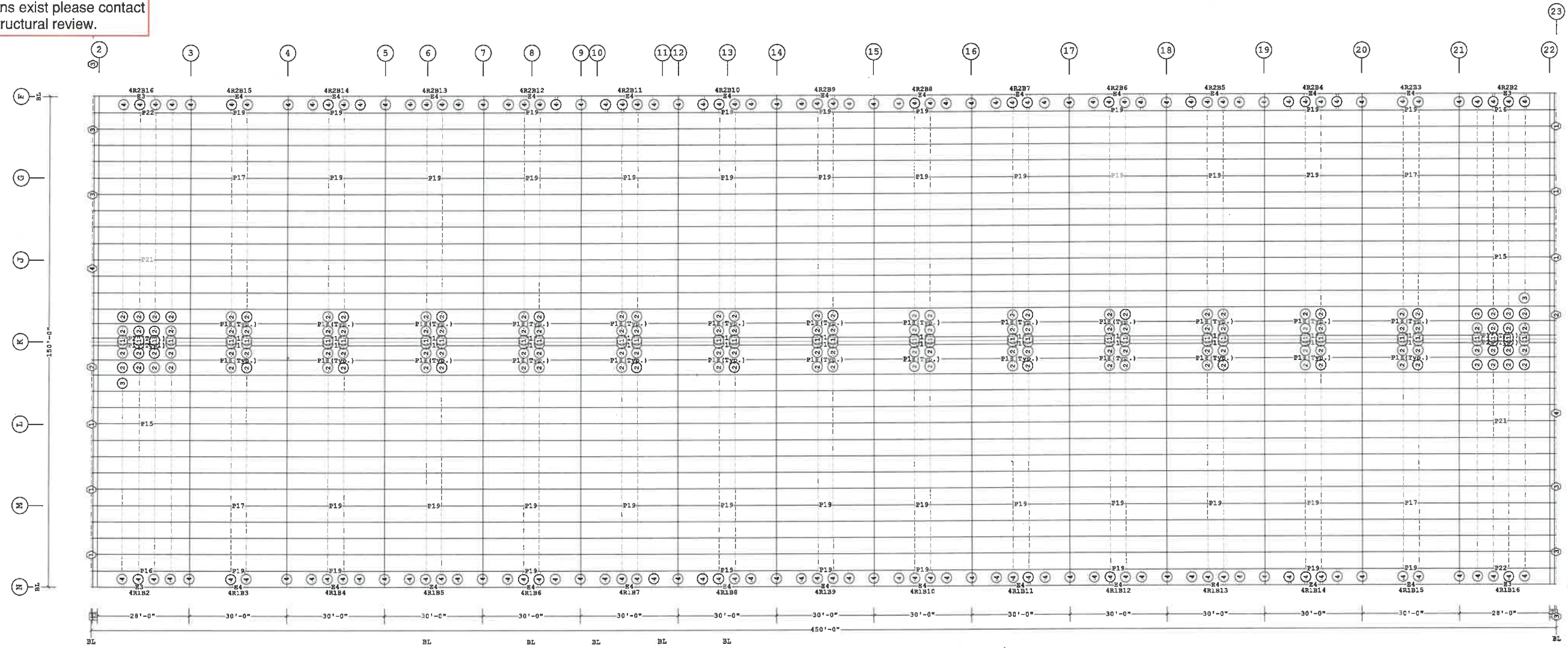
Mark	Part	Thick.	Depth	Lap	Detail
E3	0011ES2911411B30	0.1130	11 1/2"		RS12PH, RS12PA, RS12PJ
E4	11E2911411DDB30	0.1130	11 1/2"		RS12PA, RS12PJ
P14	00110ZS3311413B3	0.0880	10"	3'-10 1/2"	RS02T1, RS01U1
P15	00210ZS3311411B3	0.1130	10"	3'-10 1/2"	RS02T1, RS01U1
P16	00310ZS3311414B3	0.0790	10"	3'-10 1/2"	RS02T1, RS01U1
P17	10Z371141255B2	0.0980	10"	3'-10 1/2"	RS01U1
P18	10Z371141555B2	0.0730	10"	3'-10 1/2"	RS01U1
P19	10Z371141655B2	0.0680	10"	3'-10 1/2"	RS01U1
P20	00410ZS3311413B3	0.0880	10"	3'-10 1/2"	RS02T1, RS01U1
P21	00510ZS3311411B3	0.1130	10"	3'-10 1/2"	RS02T1, RS01U1
P22	00610ZS3311414B3	0.0790	10"	3'-10 1/2"	RS02T1, RS01U1

Id	Qty	Mark No	Spacing
1	68	CPBRA010602	1'-1 3/8"
2	136	CPBB040704	4'-5 11/16"
3	816	CPBB050108 (Typ)	5'-0"
4	252	PBA0504	5'-0"

See SED:
BR09PK, BR09RY, BR09RZ, BR09PH, BR09JH
BR09JG, BR09KS, BR09KZ

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Part Mark Key	Part
1	002SGA19114
2	002SGA15002
3	001SGA19114
4	001SGA15002



ROOF SECONDARY PLAN

2 1'-6"
1 6"
Dimension Key

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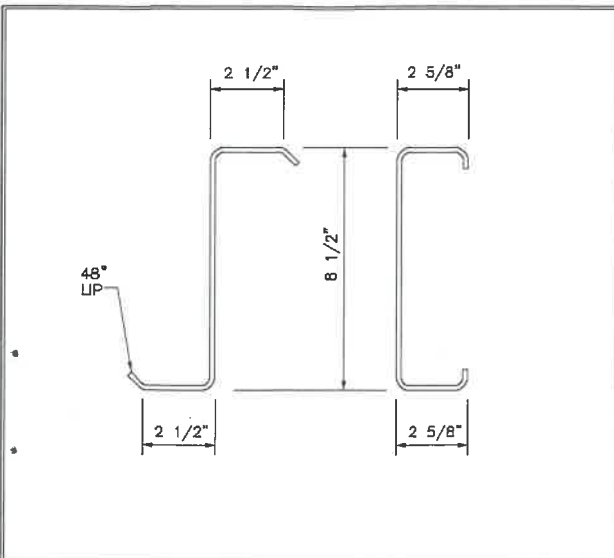
Shape Name = Team Shank Fabrication

REV	DATE	BY	DESCRIPTION
D			BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102

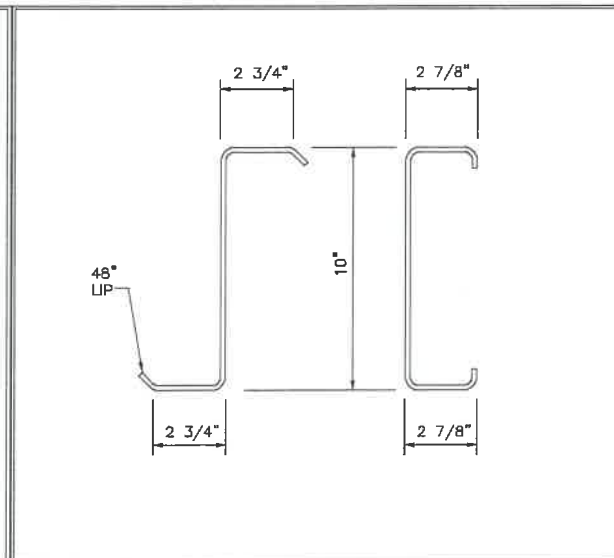
BUTLER MANUFACTURING		ROOF SECONDARY PLAN	
BUILDER:	McDonalds Design and Build	JOB #:	18-046260-01
CUSTOMER:		DATE:	01.24.2019
LOCATION:	Napoleon, Ohio	DRAWING CHECK:	DMS
PROJECT:	Team Shank 150 x 400	PAGE:	29.a
BUILDER'S POK:			



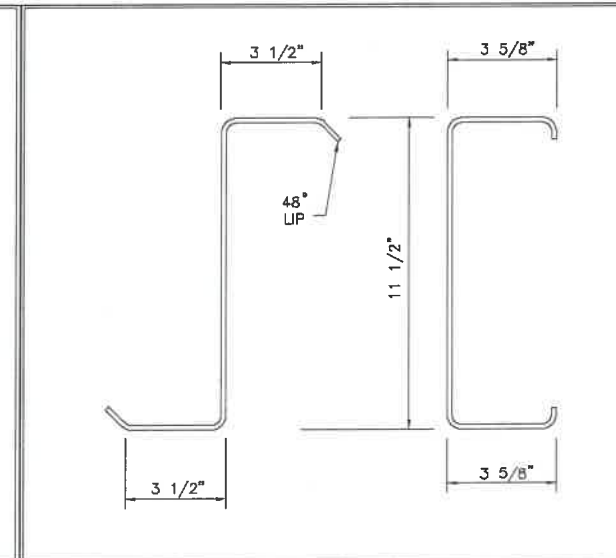
PERMIT SET- For Building Dept. Approval



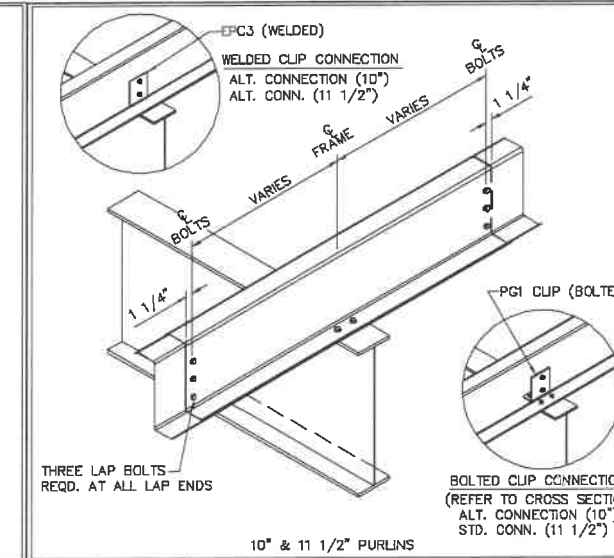
REV. DATE: 07/01/08 | REV. NO. 00
EN53F1 PURLIN AND GIRT SIZES
8 1/2" 216mm



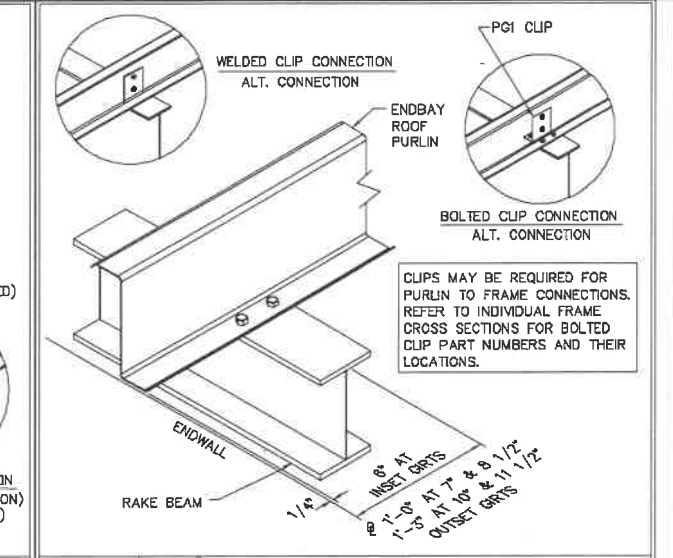
REV. DATE: 07/01/08 | REV. NO. 00
EN53G1 PURLIN AND GIRT SIZES
10" 254mm



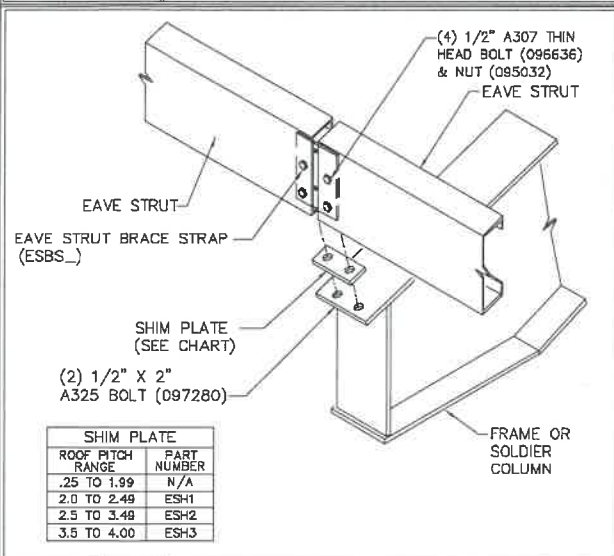
REV. DATE: 07/01/08 | REV. NO. 00
EN53H1 PURLIN / GIRT
11 1/2" 292mm



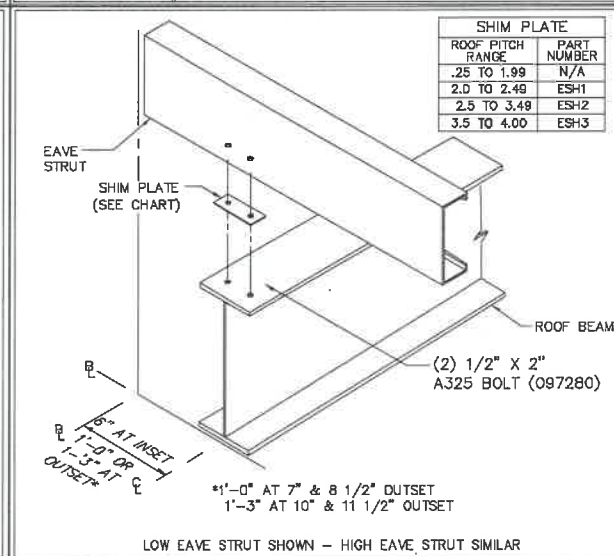
REV. DATE: 06/17/14 | REV. NO. 02
RS01U1 PURLINS AT INTERIOR FRAME
CONTINUOUS PURLINS



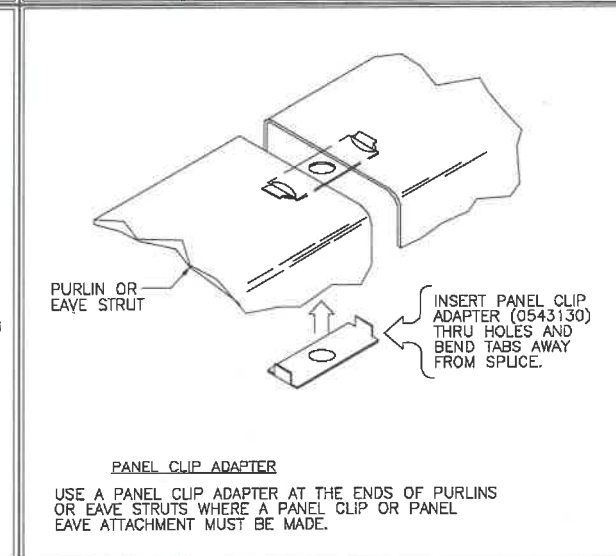
REV. DATE: 06/17/13 | REV. NO. 02
RS02T1 PURLIN CONNECTION TO END FRAME
CONTINUOUS PURLINS



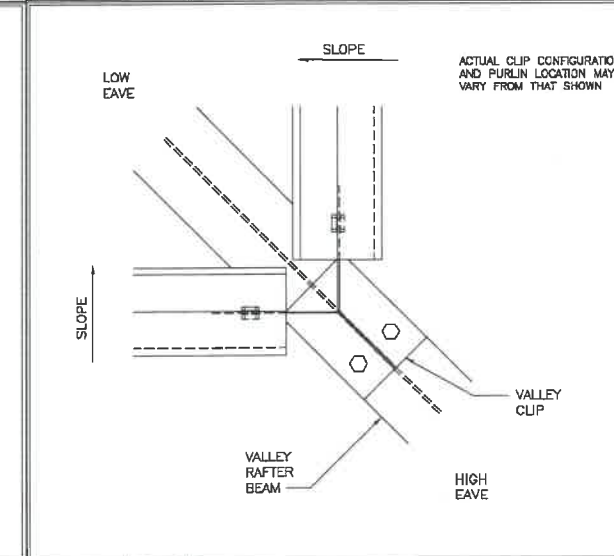
REV. DATE: 07/20/15 | REV. NO. 03
RS12PA EAVE STRUT CONNECTION
AT INTERIOR FRAME



REV. DATE: 03/26/15 | REV. NO. 01
RS12PH EAVE STRUT CONNECTION
AT END FRAME



REV. DATE: 12/08/09 | REV. NO. 00
RS12PJ PANEL CLIP AT EAVE STRUT
LOCATED WHERE STRUT STOPS BUT CONNECTION REQUIRED



REV. DATE: 07/01/09 | REV. NO. 00
RS71A4 VALLEY FRAMING
PURLIN CLIP ATTACHMENT

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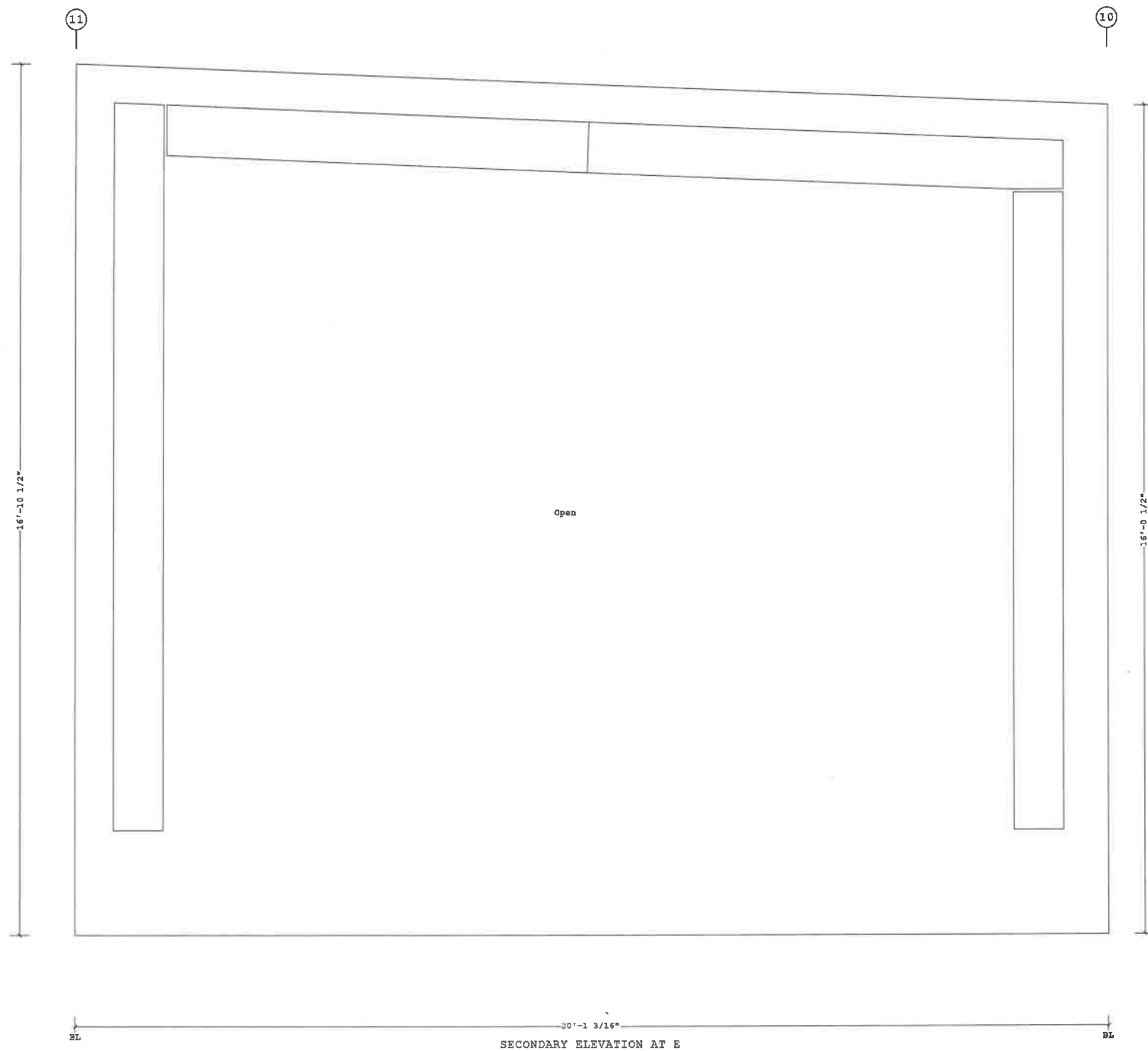
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D			
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

ROOF SECONDARY SED'S		BUILDER: McDonalds Design and Build	
CUSTOMER:		DATE: 01.24.2019	
LOCATION: Napoleon, Ohio		DRAWING CHECK: DMS	
PROJECT: Team Shank 150 x 400		PAGE: 31	
BUILDER'S PO#:		JOB #: 18-046260-01	



PERMIT SET- For Building Dept. Approval



SECONDARY ELEVATION AT E

Shape Name = CONNECTING BUILDING , Wall = 1

PERMIT SET- For Building Dept. Approval




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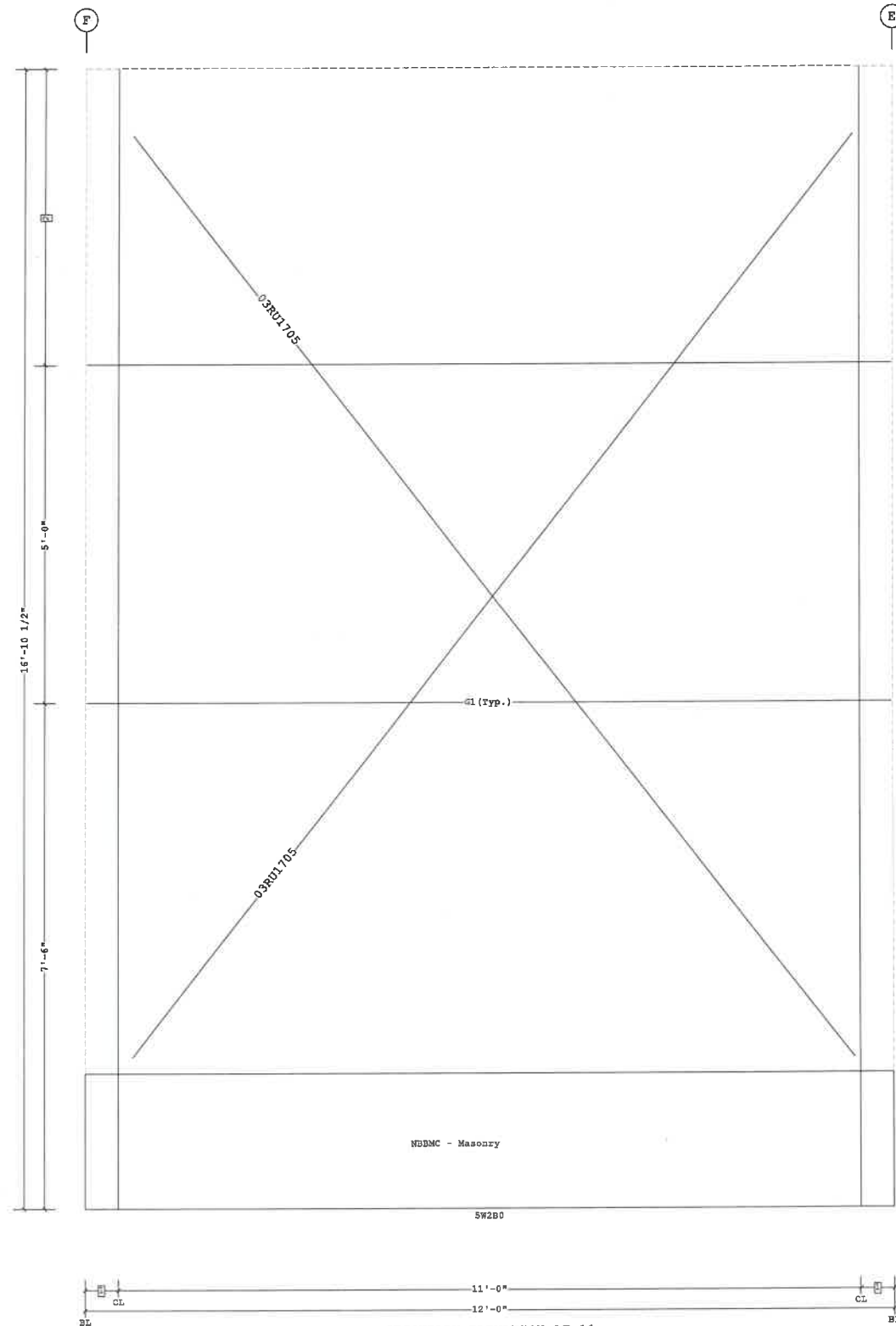
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			SECONDARY ELEVATION AT E	
	REV:	DATE:	BY:	DESCRIPTION:	BUILDER: McDonalds Design and Build
					CUSTOMER:
					LOCATION: Napoleon, Ohio
					PROJECT: Team Shank 150 x 400
					BUILDER'S PO#:
DRAWING SCALE: NTS				 Butler Manufacturing VPC VERSION: 2018.2a	
				JOB #:	18-046260-01
				DATE:	01.24.2019
				DRAWING CHECK:	DMS /
				PAGE:	32

Secondary Part Schedule	Mark	Part	Thick.	Depth	Lap	Detail
G1	08Z1111417BB00		0.0600	8 1/2"		

Bracing Part Schedule	Part	Qty	Length	Detail
03RU1705	2	17'-5"		BR02K1



2 4'-4 1/2"
1 6"
□ Dimension Key

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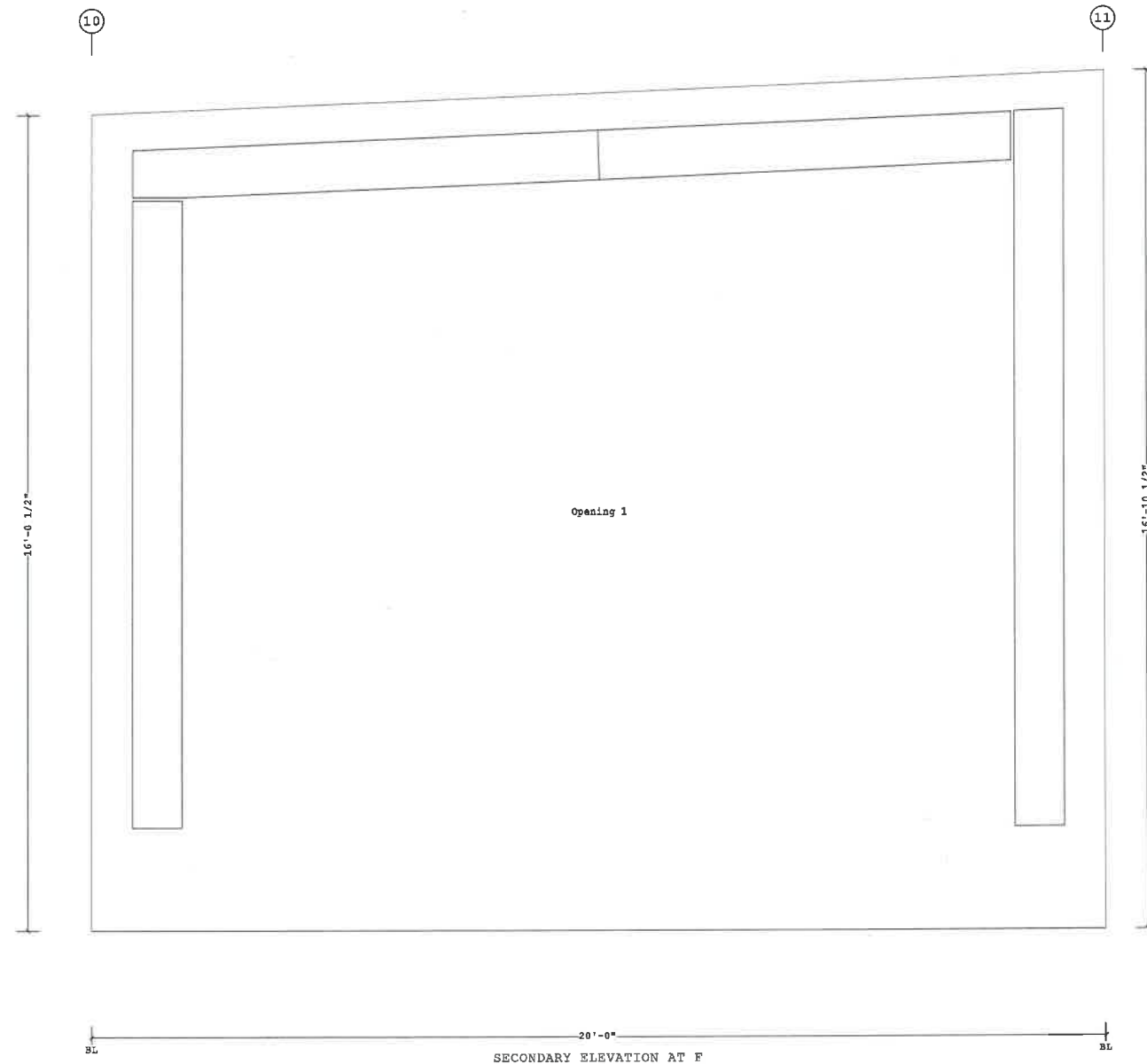
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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

SECONDARY ELEVATION AT 11	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 33
BUILDERS POR:	



PERMIT SET- For Building Dept. Approval



Shape Name = CONNECTING BUILDING , Wall = 3

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D BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

PERMIT SET- For Building Dept. Approval

SECONDARY ELEVATION AT F

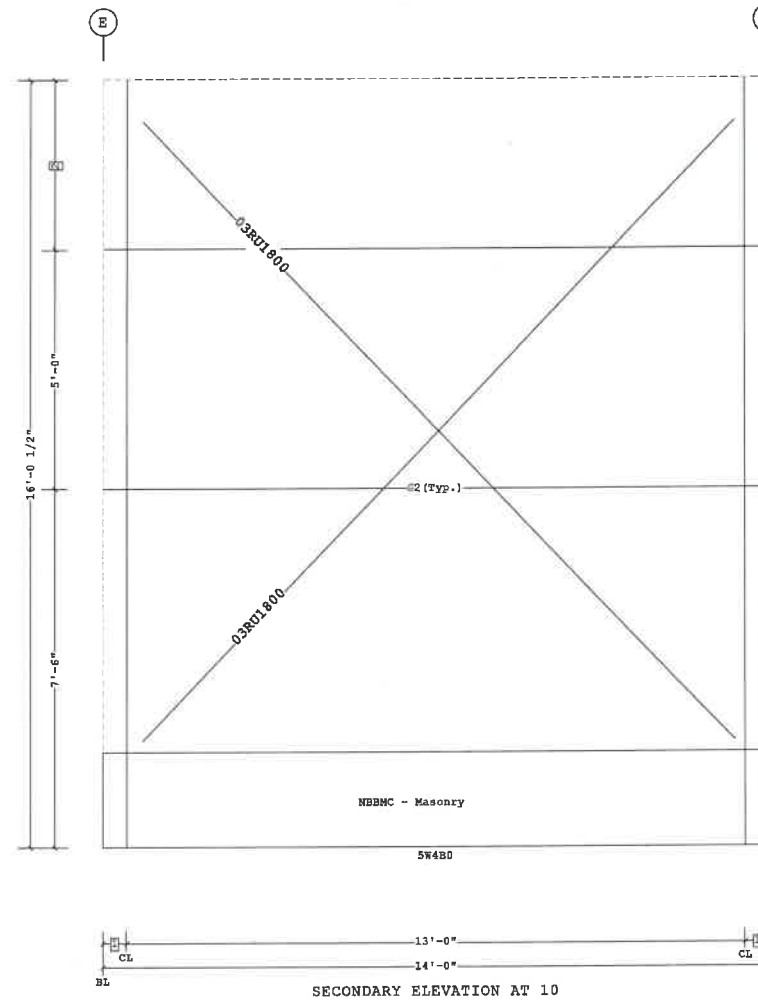
BUILDER: McDonalds Design and Build
CUSTOMER:
LOCATION: Napoleon, Ohio
PROJECT: Team Shank 150 x 400
BUILDER'S PO#:

BUTLER
Butler Manufacturing
VPC VERSION: 2018.2a

JOB #:	18-046260-01
DATE:	01.24.2019
DRAWN/CHECK:	DMS /
PAGE:	34



Secondary Part Schedule					
Mark	Part	Thick.	Depth	Lap	Detail
G2	0821311417BB00	0.0600	8 1/2"		



Bracing Part Schedule			
Part	Qty	Length	Detail
03RU1800	2	18'-0"	BR02X1

2	3'-6 1/2"
1	6"

Dimension Key

Shape Name = CONNECTING BUILDING , Wall = 4

- UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49000) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
- FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.
- REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.

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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

SECONDARY ELEVATION AT 10

BUILDER:	McDonalds Design and Build
CUSTOMER:	
LOCATION:	Napoleon, Ohio
PROJECT:	Team Shank 150 x 400
BUILDERS PO#:	



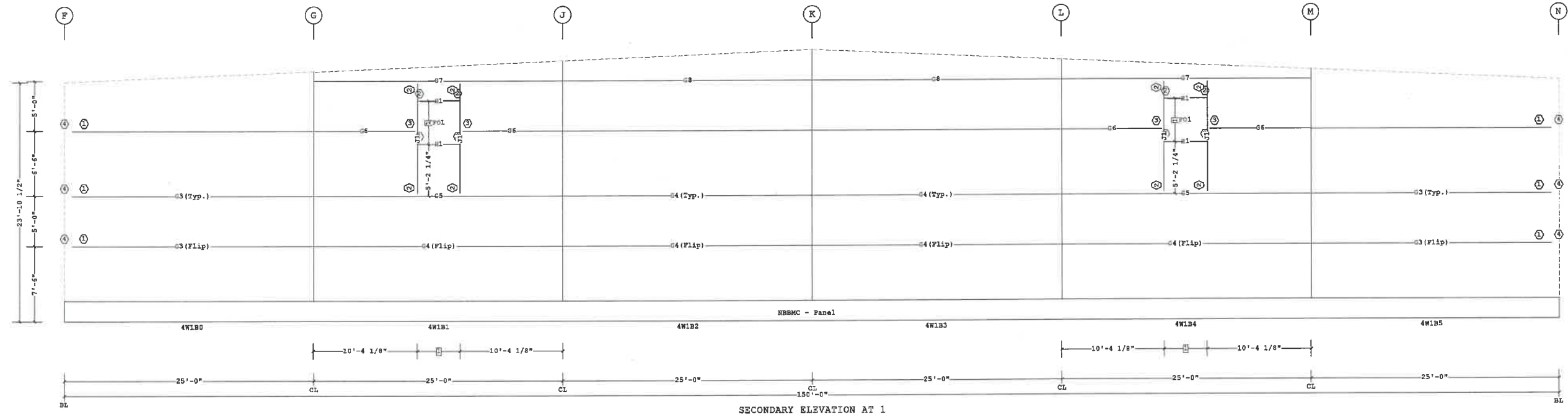
JOB #:	18-046260-01
DATE:	01.24.2019
DRAWING CHECK:	DMS
PAGE:	35

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Mark	Part	Thick.	Depth	Lap	Detail
G3	00108BB240141610	0.0680	8 1/2"		WS01HJ, WS01HT, WS01HQ
G4	00208BB240941610	0.0680	8 1/2"		WS01HJ, WS01HT, WS01HQ
G5	08Z2409411EE10	0.1130	8 1/2"		WS01H2
G6	08Z0911517EG10	0.0600	8 1/2"		WS01H2, WS20F2
G7	08Z2409412EE10	0.0980	8 1/2"		WS01H2
G8	08Z2409413EE10	0.0880	8 1/2"		WS01H2
H1	00108JS0403617	0.0600	8 1/2"		WS20F9
J1	00208JS1010417	0.0600	8 1/2"		WS20F2, WS20FB, WS20F9, WS20B2, WS20H2

Framed Opening Locations					
Id	Width	Height	Sill Ht.	Frame To	Dimen. Description
F01	4'-3 3/4"	3 3/4"	3 3/4"	8 1/4"	Jamb-L 10'-4 1/4" Framed Opening #2
F01	4'-3 3/4"	3 3/4"	3 3/4"	8 1/4"	Jamb-L 10'-4 1/4" Framed Opening #2



4	GFA106
3	JTG1
2	PG1
1	VCC07003090

□ Dimension Key ○ Part Mark Key

- UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
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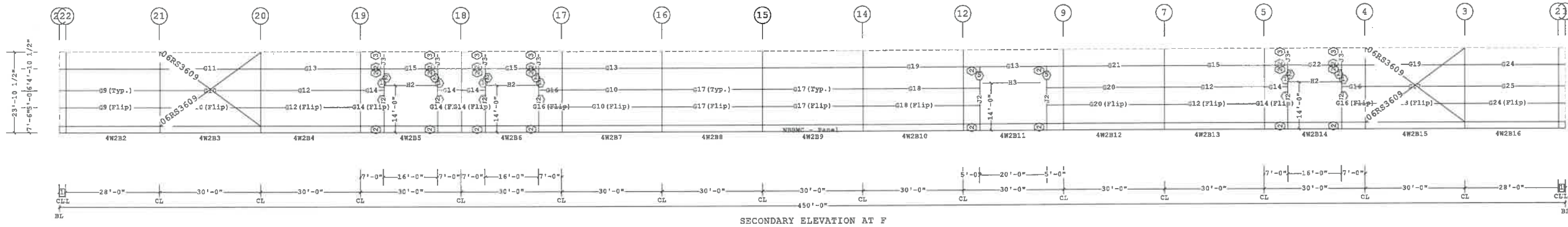
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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV.	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

PERMIT SET- For Building Dept. Approval		SECONDARY ELEVATION AT 1	
BUILDER:	McDonalds Design and Build	JOB #:	18-046260-01
CUSTOMER:		DATE:	01.24.2019
LOCATION:	Napoleon, Ohio	DRAWING CHECK:	DMS
PROJECT:	Team Shank 150 x 400	PAGE:	36
BUILDERS P.O.#:			



Mark	Part	Thick.	Depth	Lap	Detail
G10	08237114165500	0.0680	8 1/2"	3'-10 1/2"	WS01G3
G11	08237114175500	0.0600	8 1/2"	3'-10 1/2"	WS01G3
G12	0823311413D500	0.0880	8 1/2"	3'-10 1/2"	WS01G2, WS01G3
G13	08237114155500	0.0730	8 1/2"	3'-10 1/2"	WS01G3
G14	0820608417D600	0.0600	8 1/2"		WS20F2, WS01G2
G15	08237114135500	0.0880	8 1/2"	3'-10 1/2"	WS01G3
G16	0820708417G100	0.0600	8 1/2"	10 1/2"	WS01G3, WS20F2
G17	08235114174400	0.0600	8 1/2"	2'-10 1/2"	WS01G3
G18	015082S381041400	0.0790	8 1/2"	3'-10 1/2"	WS01G3
G19	08235114154400	0.0730	8 1/2"	2'-10 1/2"	WS01G3
G20	016082S361041600	0.0680	8 1/2"	1'-10 1/2"	WS01G3
G21	08237114145500	0.0790	8 1/2"	3'-10 1/2"	WS01G3
G22	08237114125500	0.0980	8 1/2"	3'-10 1/2"	WS01G3
G23 (Flip)	08235114164400	0.0680	8 1/2"	2'-10 1/2"	WS01G3
G24	017082S331141400	0.0790	8 1/2"	3'-10 1/2"	WS01G3
G25	018082S331141500	0.0730	8 1/2"	3'-10 1/2"	WS01G3
H2	00308JS1600017	0.0600	8 1/2"		WS01G3
H3	00608JS1602417	0.0600	8 1/2"		WS01G3
J2	00408JS1808212	0.0980	8 1/2"		WS20F9, WS20F2, WS20B2, WS20B8
J3	00508JS0308417	0.0600	8 1/2"		WS20B6, WS20B2



Part	Qty	Length	Detail
06RS3609	4	36'-9"	BR01G2

5	GFA206
4	0543333
3	TSC1
2	PG1
1	JTG1

1 2'-0" Dimension Key Part Mark Key

Shape Name = Team Shank Fabrication , Wall = 2

1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

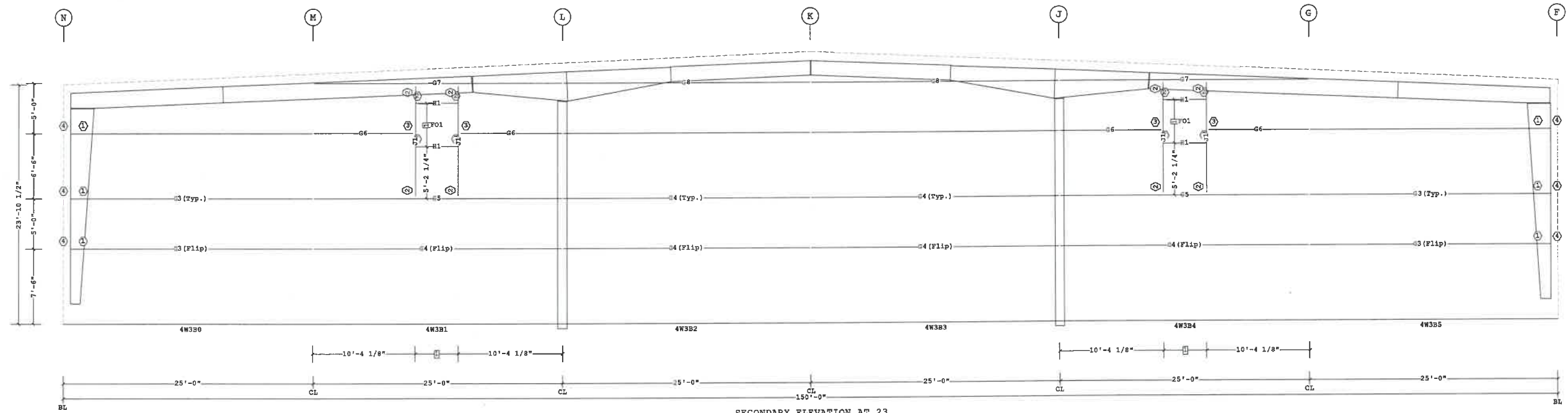
SECONDARY ELEVATION AT F	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWING CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 37
BUILDER'S PO#:	VPC VERSION: 2018.2a



PERMIT SET- For Building Dept. Approval

Mark	Part	Thick.	Depth	Lap	Detail
G3	00108BB240141610	0.0690	8 1/2"		WS01HJ, WS01HT, WS01HQ
G4	00208BB240941610	0.0690	8 1/2"		WS01HJ, WS01HT, WS01HQ
G5	0822409411EE10	0.1130	8 1/2"		WS01H2
G6	0820911517EG10	0.0600	8 1/2"		WS01H2, WS20F2
G7	0822409412EE10	0.0980	8 1/2"		WS01H2
G8	0822409413EE10	0.0880	8 1/2"		WS01H2
H1	00108JS0403617	0.0600	8 1/2"		WS20F9
J1	00208JS1010417	0.0600	8 1/2"		WS20F2, WS20FB, WS20F9, WS20B2, WS20H2

Framed Opening Locations					
Id	Width	Height	Sill Ht.	Frame To	Dimen. Description
F01	4'-3 3/4"	3 3/4'	3 3/4'	1/4'	Jamb-L 10'-4 1/4" Framed Opening #2
F01	4'-3 3/4"	3 3/4'	3 3/4'	1/4'	Jamb-L 10'-4 1/4" Framed Opening #2



SECONDARY ELEVATION AT 23

- 4 GFA106
- 3 JTG1
- 2 PG1
- 1 VCC07003090
- Dimension Key
- Part Mark Key

1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
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Shape Name = Team Shank Fabrication , Wall = 3
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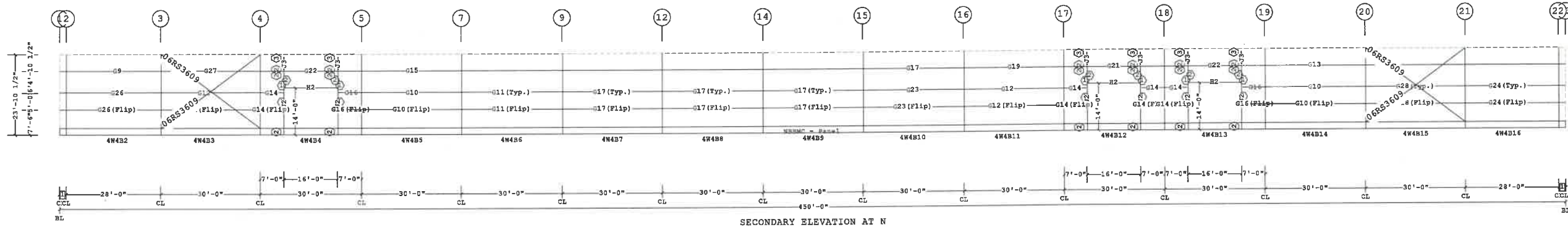
D			
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

SECONDARY ELEVATION AT 23	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 38
BUILDER'S PO#:	



PERMIT SET- For Building Dept. Approval

Mark	Part	Thick.	Depth	Lap	Detail
G10	08Z37114165500	0.0680	8 1/2"	3'-10 1/2"	WS01G3
G11	08Z37114175500	0.0600	8 1/2"	3'-10 1/2"	WS01G3
G12	08Z3311413D500	0.0880	8 1/2"	3'-10 1/2"	WS01G2, WS01G3
G13	08Z37114155500	0.0730	8 1/2"	3'-10 1/2"	WS01G3
G14	08Z0608417D000	0.0600	8 1/2"		WS01G2, WS20F2
G15	08Z37114135500	0.0880	8 1/2"	3'-10 1/2"	WS01G3
G16	08Z0708417G100	0.0600	8 1/2"	10 1/2"	WS01G3, WS20F2
G17	08Z35114174400	0.0600	8 1/2"	2'-10 1/2"	WS01G3
G19	08Z35114154400	0.0730	8 1/2"	2'-10 1/2"	WS01G3
G21	08Z37114145500	0.0790	8 1/2"	3'-10 1/2"	WS01G3
G22	08Z37114125500	0.0980	8 1/2"	3'-10 1/2"	WS01G3
G23	08Z35114164400	0.0680	8 1/2"	2'-10 1/2"	WS01G3
G24	01708ZS331141400	0.0790	8 1/2"	3'-10 1/2"	WS01G3
G26	01908ZS331141500	0.0730	8 1/2"	3'-10 1/2"	WS01G3
G27	08Z33114143300	0.0790	8 1/2"	1'-10 1/2"	WS01G3
G28	08Z33114173300	0.0600	8 1/2"	1'-10 1/2"	WS01G3
G29	01408ZS331141400	0.0790	8 1/2"	3'-10 1/2"	WS01G3
H2	00308JS1600017	0.0600	8 1/2"		WS20F9
J2	00408JS1808212	0.0980	8 1/2"		WS20F9, WS20F2, WS20B2, WS20B8
J3	00508JS0308417	0.0600	8 1/2"		WS20B6, WS20B2



Part	Qty	Length	Detail
06RS3609	4	36'-9"	BR01G2

4	0543333
3	TSC1
2	PGL
1	JTGL

1 2'-0" Dimension Key Part Mark Key

- UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) TWO WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
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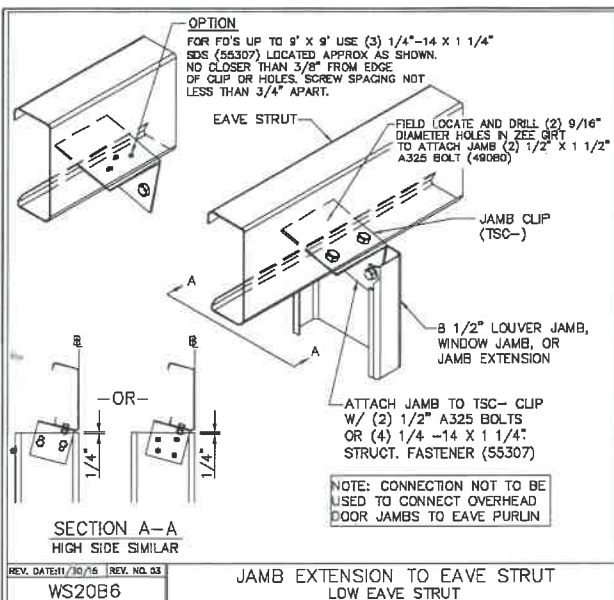
REV.	DATE	BY	DESCRIPTION
D			BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102

DRAWING SCALE: NTS

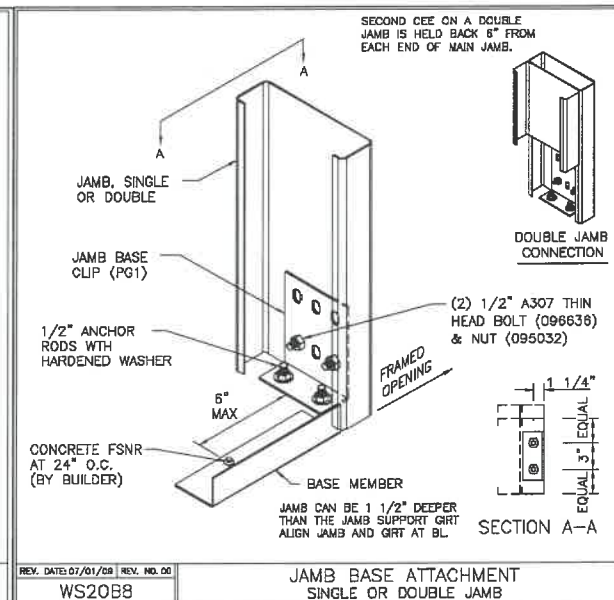
BUTLER		SECONDARY ELEVATION AT N	
BUILDER:	McDonalds Design and Build	JOB #:	18-046260-01
CUSTOMER:		DATE:	01.24.2019
LOCATION:	Napoleon, Ohio	DRAWN/CHECK:	DMS
PROJECT:	Team Shank 150 x 400	PAGE:	39
BUILDERS POK:		VPC VERSION:	2018.2a



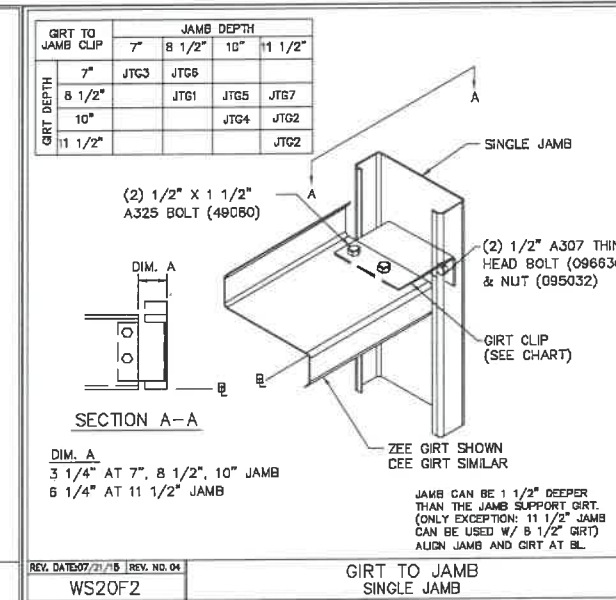
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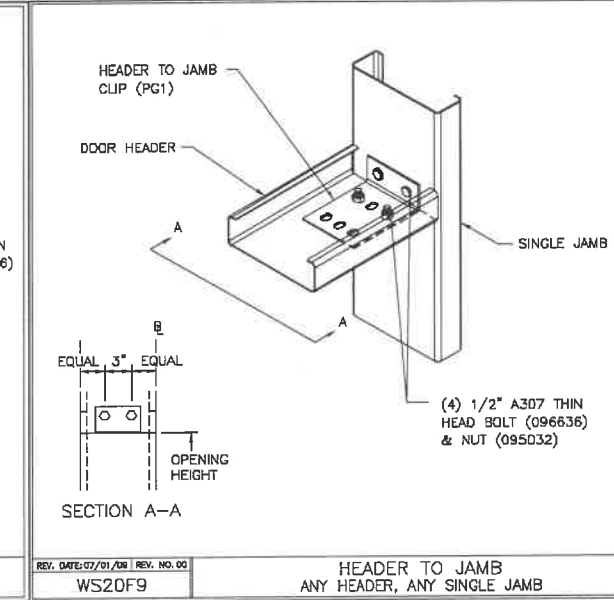
REV. DATE: 11/10/15 | REV. NO. 03
WS20B6 | JAMB EXTENSION TO EAVE STRUT
 LOW EAVE STRUT



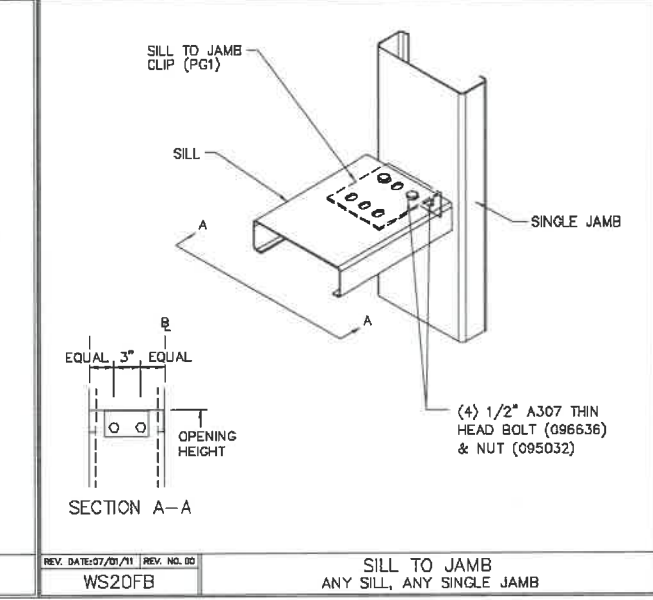
REV. DATE: 07/01/08 | REV. NO. 00
WS20B8 | JAMB BASE ATTACHMENT
 SINGLE OR DOUBLE JAMB



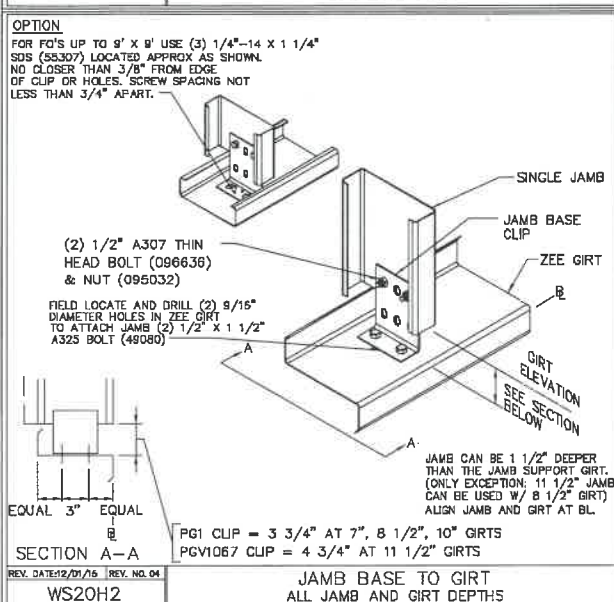
REV. DATE: 07/21/15 | REV. NO. 04
WS20F2 | GIRT TO JAMB
 SINGLE JAMB



REV. DATE: 07/01/08 | REV. NO. 00
WS20F9 | HEADER TO JAMB
 ANY HEADER, ANY SINGLE JAMB



REV. DATE: 07/20/11 | REV. NO. 00
WS20FB | SILL TO JAMB
 ANY SILL, ANY SINGLE JAMB



REV. DATE: 12/01/15 | REV. NO. 04
WS20H2 | JAMB BASE TO GIRT
 ALL JAMB AND GIRT DEPTHS

1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
DESCRIPTION:			
DRAWING SCALE: NTS			

BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		WALL SECONDARY SED'S	
BUILDER:	McDonalds Design and Build	JOB #:	18-046280-01
CUSTOMER:		DATE:	01.24.2019
LOCATION:	Napoleon, Ohio	DRAWING CHECK:	DMS
PROJECT:	Team Shank 150 x 400	PAGE:	41
BUILDER'S P.O.F.:		Butler Manufacturing VPC VERSION: 2018.2a	



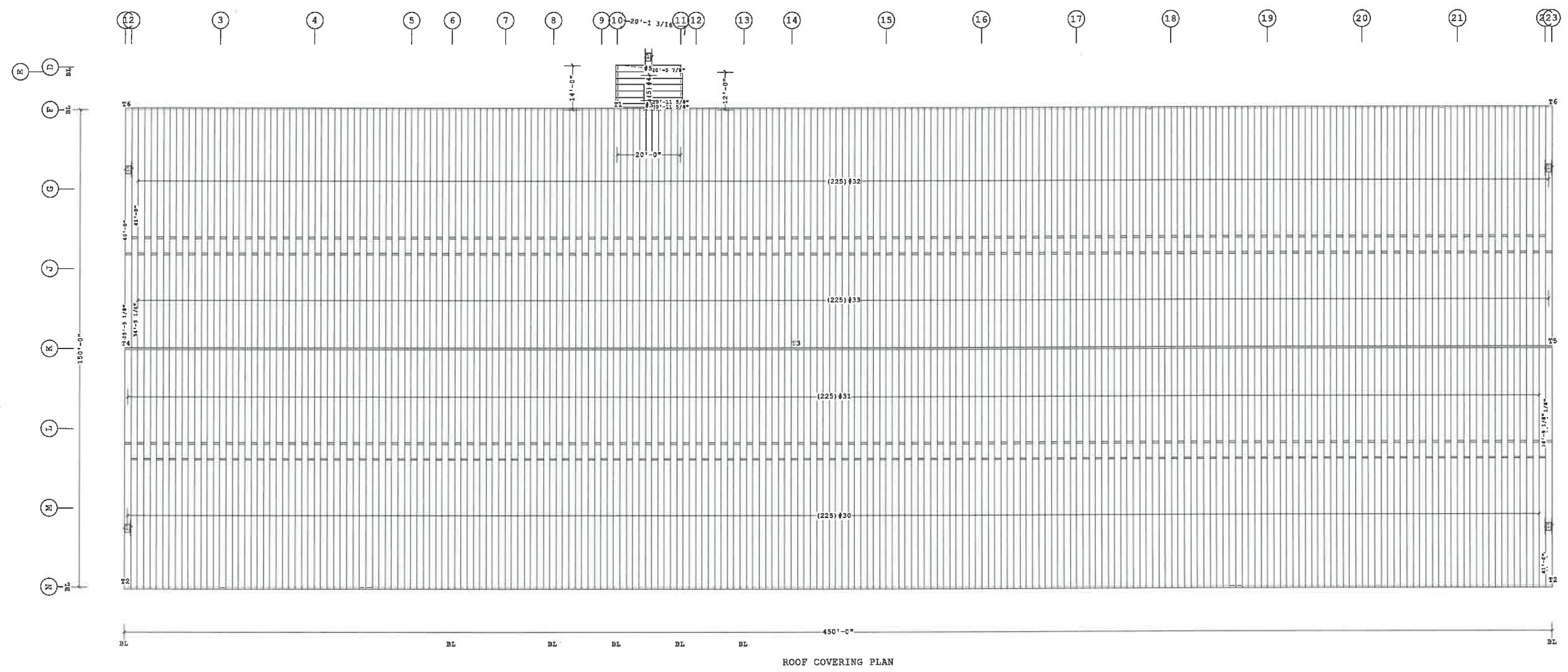
PERMIT SET- For Building Dept. Approval

Covering Schedule						
Id	Qty	Start Length	Qty	Stagger	Length	Type
#3	1	20'-11 5/8"				MR12 24 88 Z AZ
#4	5	20'-11 5/8"				MR24 24 12 Z AZ
#5	1	20'-5 7/8"				MR24 24 12 Z AZ
#30	113	46'-0"	112	41'-0"		MR24 24 13 Z AZ
#31	113	29'-9 1/8"	112	34'-9 1/8"		MR24 24 11 Z AZ
#32	113	46'-0"	112	41'-0"		MR24 24 13 Z AZ
#33	113	29'-9 1/8"	112	34'-9 1/8"		MR24 24 11 Z AZ

Oper. Code:88=SQ,SQ
 Oper. Code:12=SQ,SQ
 Oper. Code:13=SQ,WT
 Oper. Code:11=SQ,SQ
 Finish:Z=AlZn
 Color:AZ=Plain AlZn

Trim Schedule			Color		Details	
Id	Parts					
T1	0630043		Match	Wall	Color	
T2	0630043		Match	Wall	Color	
T3	(2.5)RC20		Match	Roof	Color	ENB004,NV667
T4	0560173,TCL,MRRRT,RBT2,(0.1)VWA10		Match	Wall	Color	
T5	TCL,MRRRT,RBT2,(0.1)WA10A,0560173		Match	Wall	Color	
T6	0630043		Match	Wall	Color	

Accessory Schedule			
Qty	Color	Description	Detail
8	Cool Gray Stone	Shadowall 3070 Walk Door Trim	
15	Not Applicable	Package Triple Dome 10' SunLite*Strip Unit (Up-Slope End Unit)	
15	Not Applicable	Package Triple Dome 10' SunLite*Strip Unit (Downslope End Unit)	
30	Cool Solar White	StripLight Trim Package (Blanket Insulation)	
30	Not Applicable	Safety Guard 10' Package	



Planograph Schedule	
Id	Details
T1	P-081236
T2	P-080089, P-080572, P-081240, P-081241, P-104542
T3	P-080573, P-080575, P-080578, P-080949, P-ZRSLO
T4	P-081167, P-081243, P-GAI
T5	P-081167, P-081243, P-GAI
T6	P-080089, P-080572, P-081240, P-081241, P-104542

- Dimension Key
- PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
 - STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
 - DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING. SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
 - SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

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D	BUTLER MANUFACTURING		1540 GENESSEE ST. KANSAS CITY, MO 64102	
	REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS				

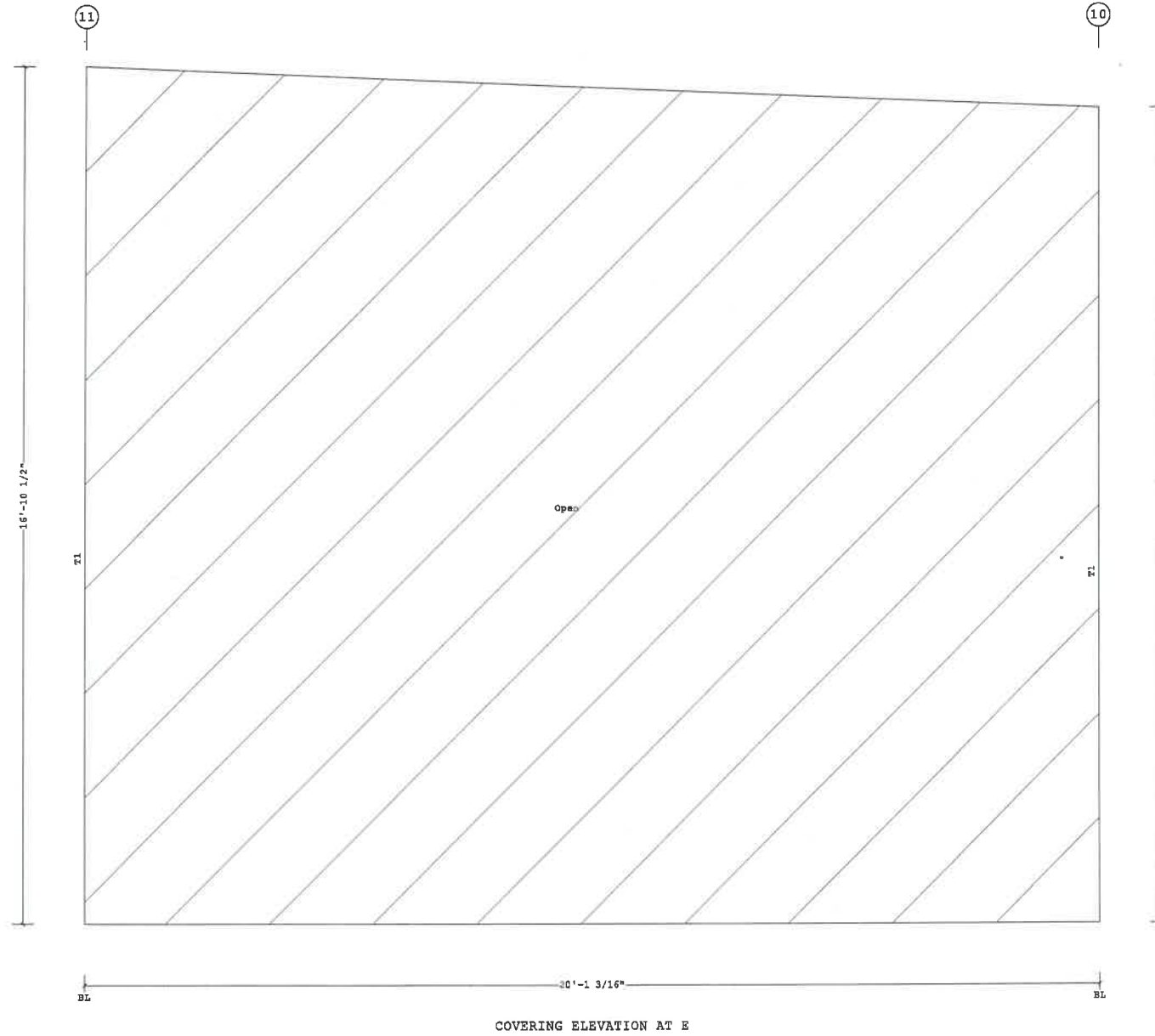
BUTLER MANUFACTURING		1540 GENESSEE ST. KANSAS CITY, MO 64102	
BUILDER:	McDonalds Design and Build	CUSTOMER:	
LOCATION:	Napoleon, Ohio	PROJECT:	Team Shank 150 x 400
BUILDER'S PO#:		JOB#:	18-046260-01
		DATE:	01.24.2019
		DRAWN/CHECK:	DMS /
		PAGE:	42



PERMIT SET- For Building Dept. Approval

Trim Schedule
 Id Parts
 T1 (2)SHOCT12, (2.5)0620163

Color Details
 Cool Shell Gray NV118,NV119,NV133,NV134



Planograph Schedule
 Id Details
 T1 P-081180, P-081185



PERMIT SET- For Building Dept. Approval

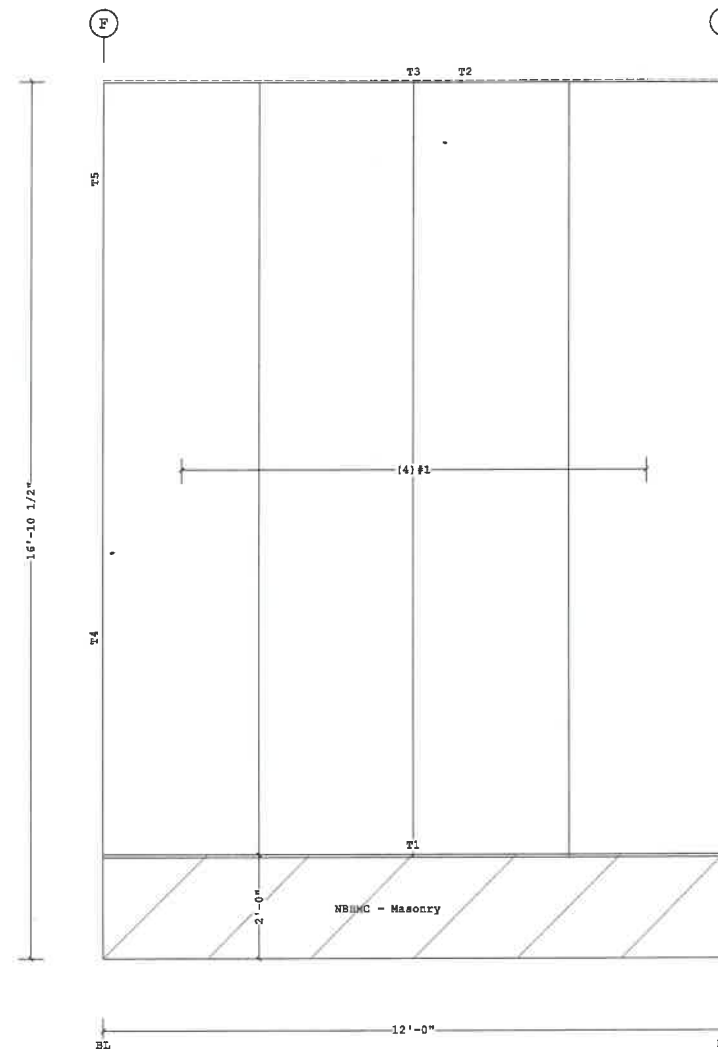
<p>1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS</p> <p>2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.</p> <p>3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.</p> <p>4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.</p>	<p>THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.</p>	<p>THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.</p> <p>THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.</p>	<p>Shape Name = CONNECTING BUILDING , Wall = 1</p>		<p>D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102</p>		<p>COVERING ELEVATION AT E</p>			
			REV:	DATE:	BY:	DESCRIPTION:	BUILDER:	McDonalds Design and Build		
							CUSTOMER:			
							LOCATION:	Napoleon, Ohio		
DRAWING SCALE: NTS				PROJECT:	Team Shank 150 x 400					
				BUILDER'S PO#:						
						<p>VPC VERSION: 2018.2a</p>		<p>JOB #: 18-046260-01 DATE: 01.24.2019 DRAWN/CHECK: DMS / PAGE: 43</p>		

Covering Schedule
 Id Qty Type Start Length Gage OP Fin. Color Direction
 #1 4 SHP 14'-10 3/4" 26 1 K SY Left to Right
 Oper. Code:1=SQ,SQ
 Finish:K=Butler-Cote
 Color:SY=Cool Shell Gray

Trim Schedule
 Id Parts
 T1 (0.8)BG2215,BT12A
 T2 (1.1)630595,(2)SHCL12,(2)0630393
 T3 (1.0)630595,SHCL12,(2)0630393
 T4 ICT12,(2)0570751
 T5 ICT12,(0.5)0570751

Color
 Cool Shell Gray
 Standard Color
 Cool Gray Stone
 Cool Shell Gray
 Cool Shell Gray

Details
 ENB006,GV386,GV443,NV115,NV120,NV128,NV130,
 NV135,NV143,NV664,WCB082,WCB083,WCB084,
 WCB085,WCB086
 ENB004,NV110,NV667,RCB420
 ENB004,NV110,NV667,RCB420



COVERING ELEVATION AT 11

Fastener Schedule
 Part Description
 0097365-112 (T-3) #12-14 x 1 1/4", T-30 Torx Hd w/Washer
 0097364-112 (T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Planograph Schedule
 Id Details
 T1 P-081180,P-081505
 T2 P-080789,P-081239
 T3 P-080789,P-081239
 T4 P-081180,P-081188
 T5 P-081180,P-081188

Shape Name = CONNECTING BUILDING , Wall = 2

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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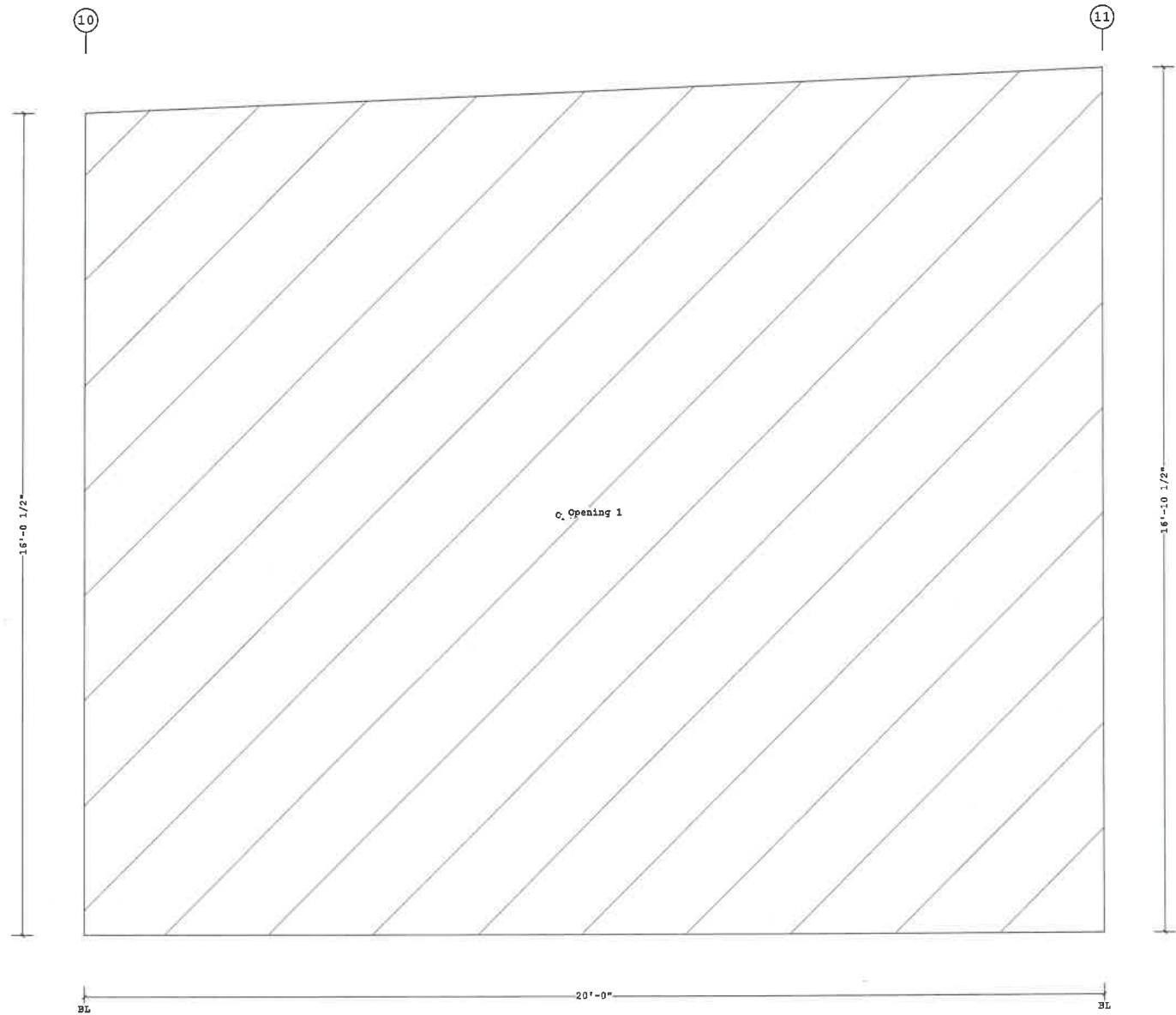
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D			
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

COVERING ELEVATION AT 11	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 02.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 44
BUILDER'S POR:	



PERMIT SET- For Building Dept. Approval



COVERING ELEVATION AT F

Shape Name = CONNECTING BUILDING , Wall = 3

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

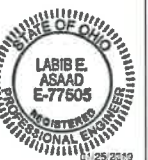
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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV.	DATE	BY	DESCRIPTION
DRAWING SCALE: NTS			

COVERING ELEVATION AT F	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS /
PROJECT: Team Shank 150 x 400	PAGE: 45
BUILDERS PO#:	VPC VERSION: 2018.2a



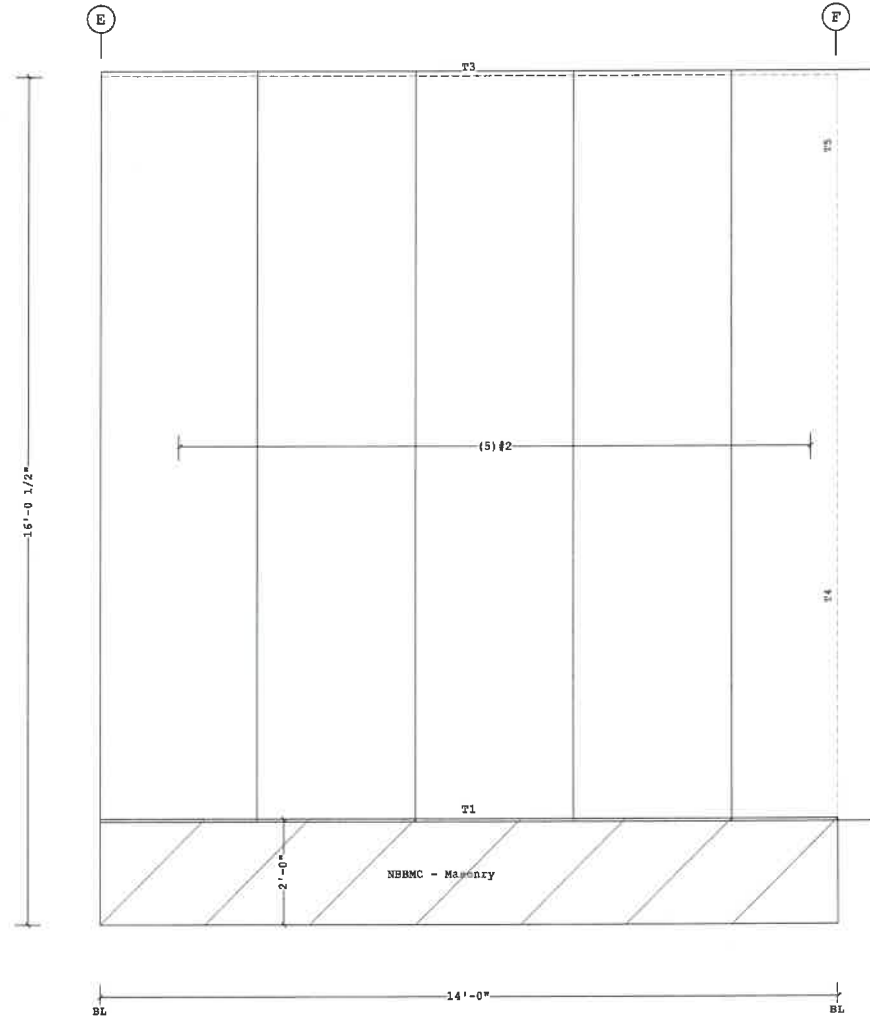
PERMIT SET- For Building Dept. Approval

Covering Schedule
 Id Qty Type Start Length Gage OP Fin. Color Direction
 #2 5 SHP 14'-2 1/4" 26 1 K SY Left to Right
 Oper. Code:1=SQ,SQ
 Finish:K=Butler-Cote
 Color:SY=Cool Shell Gray

Trim Schedule
 Id Parts
 T1 (0.9)BG2215, (1.2)BT12A
 T2 (2)CLE12C,WGTR25, (2)SHCL12
 T3 (2)SHCL12,GTR25, (2)CLE12C
 T4 ICT12, (2)0570751
 T5 ICT12, (0.5)0570751

Color
 Cool Shell Gray
 Standard Color
 Cool Gray Stone
 Cool Shell Gray
 Cool Shell Gray

Details
 ENB006, GV386, GV443, NV115, NV120, NV128, NV130,
 NV135, NV143, NV664, WCB082, WCB083, WCB084,
 WCB085, WCB086
 MV274, NV110, NV116, NV131
 MV252, NV110, NV116, NV131



Fastener Schedule
 Part Description
 0097365-112 (T-3) #12-14 x 1 1/4", T-30 Torx Hd w/Washer
 0097364-112 (T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Planograph Schedule
 Id Details
 T1 P-081180, P-081505
 T2 P-080082, P-080089, P-081241, P-105017
 T3 P-081189, P-103223, P-103315, P-104714
 T4 P-081180, P-081188
 T5 P-081180, P-081188

Shape Name = CONNECTING BUILDING , Wall = 4

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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D				BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102	
REV:	DATE:	BY:	DESCRIPTION:	BUILDER:	McDonalds Design and Build
				CUSTOMER:	
				LOCATION:	Napoleon, Ohio
				PROJECT:	Team Shank 150 x 400
				BUILDER'S PO#:	
DRAWING SCALE:			NTS		

COVERING ELEVATION AT 10

PERMIT SET- For Building Dept. Approval



JOB#:	18-046260-01
DATE:	01.24.2019
DRAWN/CHECK:	DMS /
PAGE:	46
BUTLER Butler Manufacturing VPC VERSION: 2018.2a	

Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#6	12	SHP	21'-11 3/4"	26	2	K	SY	1 1/2"	Left to Right
#7	1	SHP	3'-5 5/8"	26	2	K	SY		Left to Right
#8	2	SEP	15'-8 1/8"	26	7	K	SY		Left to Right
#9	12	SHP	23'-7 1/4"	26	2	K	SY	1 1/2"	Left to Right
#10	12	SHP	24'-11 3/4"	26	2	K	SY	-1 1/2"	Left to Right
#11	1	SHP	3'-5 5/8"	26	2	K	SY		Left to Right
#12	12	SHP	23'-4 1/4"	26	2	K	SY	-1 1/2"	Left to Right

Oper. Code:2=SQ,SQ
Oper. Code:7=SQ,SQ
Finish:K=Butler-Cote
Color:SY=Cool Shell Gray

Trim Schedule

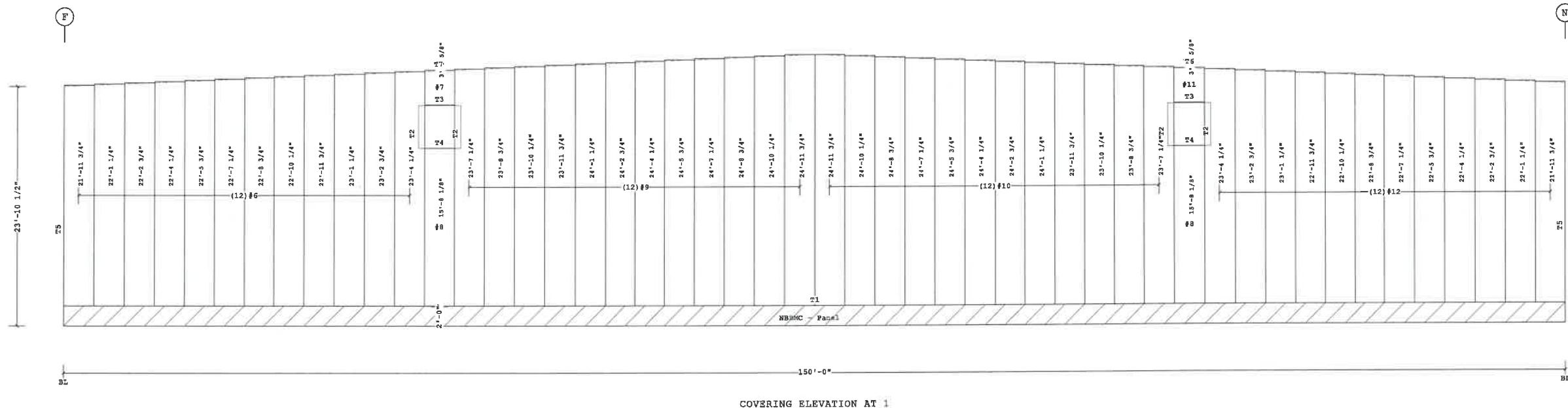
Id	Parts
T1	(6)BA225, (12.5)BTD12
T2	(0.4)OHDTS12
T3	(0.5)DGS12
T4	(0.5)DSF12
T5	(2)SHOCT12, (3.5)0620163
T6	(6.3)SHCL12, (7.4)WA10A, (3.7)MRGT20R
T7	(6.3)SHCL12, (7.4)WA10A, (3.7)MRGT20L

Color

Cool Shell Gray	WCB001, WCB002
Cool Gray Stone	WCB033, WCB034, WCB035
Cool Gray Stone	NV125, NV140, NV566
Cool Gray Stone	NV567
Cool Shell Gray	NV118, NV119, NV133, NV134
Cool Gray Stone	KV403, KV404, PV167
Cool Gray Stone	KV403, KV404, PV167

Details

WCB001, WCB002
WCB033, WCB034, WCB035
NV125, NV140, NV566
NV567
NV118, NV119, NV133, NV134
KV403, KV404, PV167
KV403, KV404, PV167



Fastener Schedule

Part	Description
0097364-112	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Planograph Schedule

Id	Details
T1	
T2	P-081201, P-090120
T3	P-081202
T4	
T5	P-081180, P-081185
T6	P-081167, P-081183, P-GAI
T7	P-081167, P-081183, P-GAI

Shape Name = Team Shank Fabrication , Wall = 1

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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D BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

COVERING ELEVATION AT 1

REV	DATE	BY	DESCRIPTION

BUILDER:	McDonalds Design and Build
CUSTOMER:	
LOCATION:	Napoleon, Ohio
PROJECT:	Team Shank 150 x 400
BUILDERS PO#:	



JOB #:	18-046260-01
DATE:	01.24.2019
DRAWN/CHECKED:	DMS /
PAGE:	47

PERMIT SET- For Building Dept. Approval



Covering Schedule

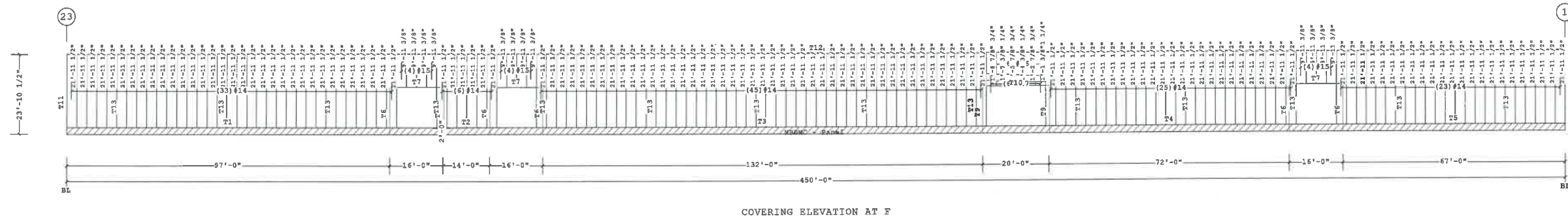
Id	Qty	Type	Start	Length	Gage	OP	Fin.	Color	Increment	Direction
#14	132	SHP	21'-11 1/2"		26	2	K	SY		Left to Right
#15	12	SHP	9'-11 3/8"		26	2	K	SY		Left to Right
#16	6	SHP	6'-3 3/4"		26	2	K	SY	-1 1/2"	Left to Right
#17	6	SHP	1'-8 7/8"		26	3	K	SY	-1 1/2"	Left to Right

Oper. Code:2=SQ,SQ
 Oper. Code:3=SQ,SQ
 Finish:K=Butler-Cote
 Color:SY=Cool Shell Gray

Trim Schedule

Id	Parts
T1	(3.9)BA225, (8.1)BTD12
T2	(0.6)BA225, (1.2)BTD12
T3	(5.3)BA225, (11)BTD12
T4	(2.9)BA225, (6)BTD12
T5	(2.7)BA225, (5.6)BTD12
T6	OHDT512
T7	(1.5)DGS12
T8	(2)DGS12
T9	OHDT512
T10	(3)PTSA210, (1.3)SPCNMR24, (2)STCF10
T11	(2)SHOCT12, (3.5)0620163
T12	(38)CLE12C, (18)WGTR25, (38)SHCL12
T13	(2)5CE45, 5CE75, CB, (2.5)CP510

Color	Details
Cool Shell Gray	WCB001,WCB002
Cool Shell Gray	WCB001,WCB002
Cool Shell Gray	WCB001,WCB002
Cool Shell Gray	WCB001,WCB002
Cool Shell Gray	WCB001,WCB002
Cool Gray Stone	WCB033,WCB034,WCB035
Cool Gray Stone	NV125,NV140,NV566
Match Wall Color	NV125,NV140,NV566
Match Wall Color	WCB033,WCB034,WCB035
Match Roof Color	
Cool Shell Gray	NV118,NV119,NV133,NV134
Cool Gray Stone	NV274,NV110,NV116,NV131
Cool Gray Stone	KV861



Planograph Schedule

Id	Details
T1	
T2	
T3	
T4	
T5	
T6	P-081201,P-090120
T7	P-081202
T8	P-081202
T9	P-081201,P-090120
T10	P-080818,P-081531,P-081532,P-081534,P-081537,P-081590
T11	P-081180,P-081185
T12	P-080082,P-080089,P-081241,P-105017
T13	P-080091,P-081240,P-105228

Fastener Schedule

Part	Description
0097364-112	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Shape Name = Team Shank Fabrication , Wall = 2

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
 2. STEEL PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. REMOVAL OR ALTERATION WITHOUT PRIOR AUTHORIZATION IS PROHIBITED.
 3. DUE TO MANUFACTURING LIMITATIONS SHORT PANELS MAY REQUIRE FIELD CUTTING, SEE THE COVERING SCHEDULE FOR CUT LENGTHS.
 4. SEE JOB DETAILS FOR COVERING AND TRIM FASTENER SPECIFICATION.

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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

COVERING ELEVATION AT F	
BUILDER: McDonalds Design and Build	JOB#: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 48
BUILDERS POC:	



PERMIT SET- For Building Dept. Approval

Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#19	12	SHP	24'-0 1/2"	26	1	K	SY	1 1/2"	Left to Right
#20	1	SHP	3'-5 5/8"	26	2	K	SY		Left to Right
#21	2	SHP	17'-8 7/8"	26	7	K	SY		Left to Right
#22	12	SHP	25'-8"	26	1	K	SY	1 1/2"	Left to Right
#23	12	SHP	27'-0 1/2"	26	1	K	SY	-1 1/2"	Left to Right
#24	1	SHP	3'-5 5/8"	26	2	K	SY		Left to Right
#25	12	SHP	25'-5"	26	1	K	SY	-1 1/2"	Left to Right

Oper. Code:1=SQ,SQ
 Oper. Code:2=SQ,SQ
 Oper. Code:7=SQ,SQ
 Finish:K=Butler-Cote
 Color:SY=Cool Shell Gray

Trim Schedule

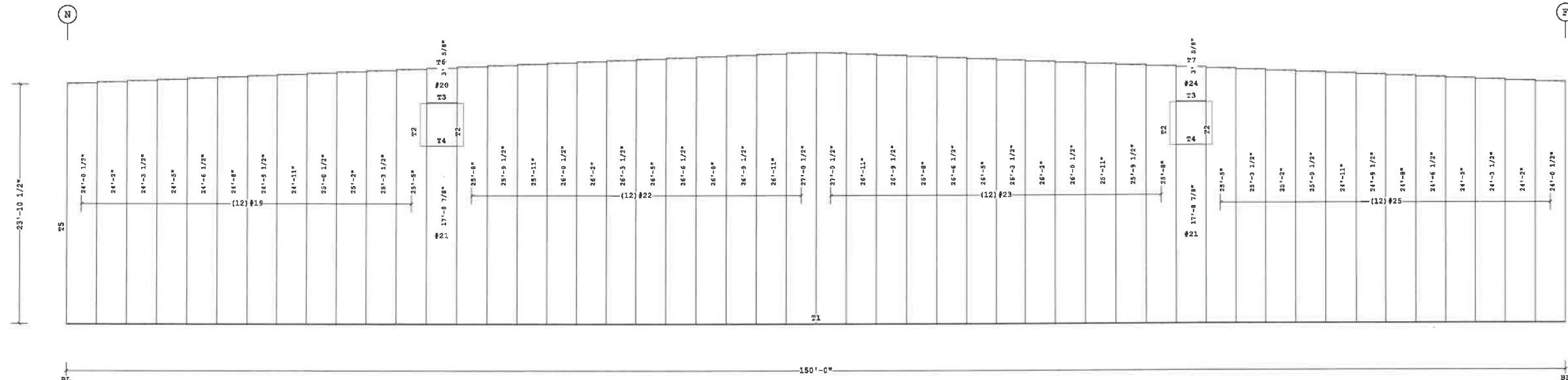
Id	Parts
T1	(10)BG2215, (12.5)BT12A
T2	(0.4)OHDTS12
T3	(0.5)DGS12
T4	(0.5)DSF12
T5	(2)SROCT12, (3.5)0620163
T6	(6.3)SHCL12, (7.4)WA10A, (3.7)MRGT20L
T7	(6.3)SHCL12, (7.4)WA10A, (3.7)MRGT20R

Color

Cool Shell Gray
Cool Gray Stone
Cool Gray Stone
Cool Shell Gray
Cool Gray Stone
Cool Gray Stone

Details

ENB006, GV386, GV443, NV115, NV120, NV128, NV130, NV135, NV143, NV664, WCB082, WCB083, WCB084, WCB085, WCB086
WCB033, WCB034, WCB035
NV125, NV140, NV566
NV567
NV118, NV119, NV133, NV134
KV403, KV404, PV167
KV403, KV404, PV167



COVERING ELEVATION AT 23

Fastener Schedule

Part	Description
0097365-112	(T-3) #12-14 x 1 1/4", T-30 Torx Hd w/Washer
0097364-112	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Planograph Schedule

Id	Details
T1	P-081180, P-081505
T2	P-081201, P-090120
T3	P-081202
T4	
T5	P-081180, P-081185
T6	P-081167, P-081183, P-GAI
T7	P-081167, P-081183, P-GAI

Shape Name = Team Shank Fabrication , Wall = 3

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV.	DATE	BY	DESCRIPTION

DRAWING SCALE: NTS

COVERING ELEVATION AT 23	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWING CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 49
BUILDERS PO#:	



PERMIT SET- For Building Dept. Approval

Covering Schedule

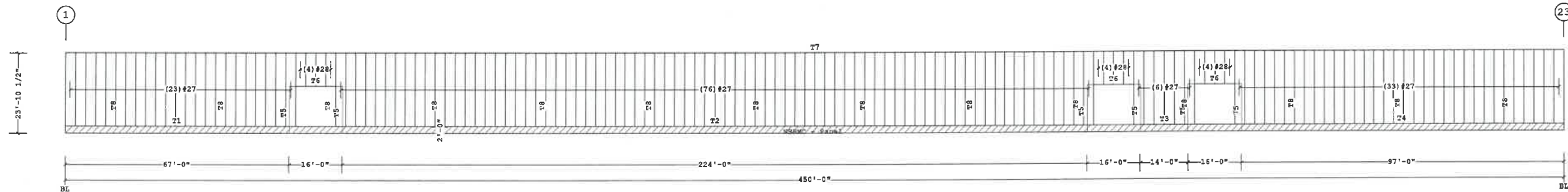
Id	Qty	Type	Start	Length	Gage	OP	Fin.	Color	Direction
#27	138	SHP	21'-11 1/2"	26	2	K	SY		Left to Right
#28	12	SHP	9'-11 3/8"	26	2	K	SY		Left to Right

Oper. Code:2=SQ,SQ
Finish:K=Butler-Cote
Color:SY=Cool Shell Gray

Trim Schedule

Id	Parts
T1	(2.7)BA225, (5.6)BTD12
T2	(9.0)BA225, (18.7)BTD12
T3	(0.6)BA225, (1.2)BTD12
T4	(3.9)BA225, (8.1)BTD12
T5	OHDT512
T6	(1.5)DGS12
T7	(38)CLE12C, (18)WGTR25, (38)SHCL12
T8	(2)5CE45, 5CE75, CB, (2.5)CP510

Color	Details
Cool Shell Gray	WCB001,WCB002
Cool Shell Gray	WCB001,WCB002
Cool Shell Gray	WCB001,WCB002
Cool Shell Gray	WCB001,WCB002
Cool Gray Stone	WCB033,WCB034,WCB035
Cool Gray Stone	NV125,NV140,NV566
Cool Gray Stone	MV274,NV110,NV116,NV131
Cool Gray Stone	KV861



COVERING ELEVATION AT N

Planograph Schedule

Id	Details
T1	
T2	
T3	
T4	
T5	P-081201,P-090120
T6	P-081202
T7	P-080082,P-080089,P-081241,P-105017
T8	P-080091,P-081240,P-105228

Fastener Schedule

Part	Description
0097364-112	(T-1) 1/4-14 x 3/4", T-30 Torx Hd w/Washer

Shape Name = Team Shank Fabrication , Wall = 4

PERMIT SET- For Building Dept. Approval



- PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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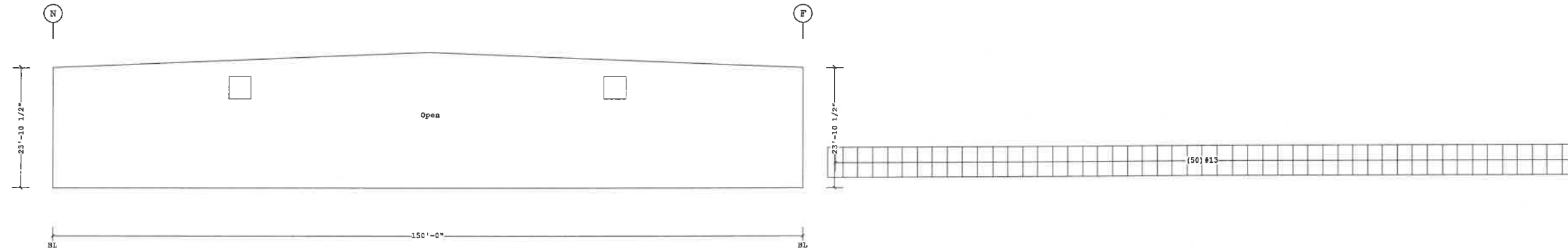
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D BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

COVERING ELEVATION AT N	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS
PROJECT: Team Shank 150 x 400	PAGE: 50
BUILDER'S PO#:	VPC VERSION: 2018.2a



Wall Liner Schedule
 Id Qty Type Length Gage OP Finish Color Direction
 #13 50 MOD 6'-0" 28 1 Y IW Left to Right From Peak
 Oper. Code:1=SQ,SQ
 Finish:Y=Polyester
 Color:IW=Interior White



WALL LINER ELEVATION AT 1
 (View from inside Building)

Shape Name = Team Shank Fabrication , Wall = 1

PERMIT SET- For Building Dept. Approval



1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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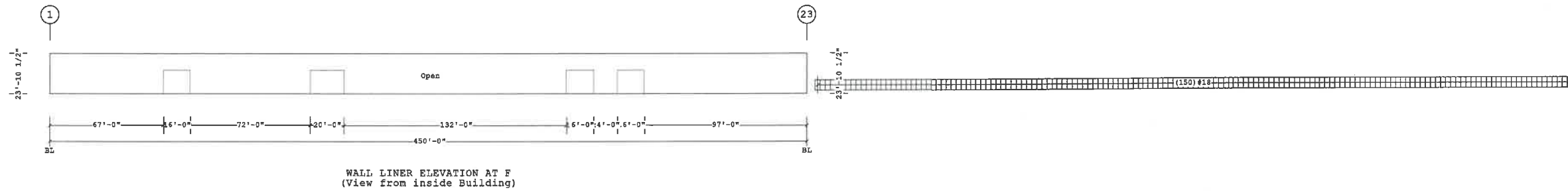
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			WALL LINER ELEVATION AT 1	
	REV:	DATE:	BY:	DESCRIPTION:	BUILDER: McDonalds Design and Build
					CUSTOMER:
	DRAWING SCALE: NTS				LOCATION: Napoleon, Ohio
				PROJECT: Team Shank 150 x 400	JOB#: 18-046260-01
				BUILDER'S PO#:	DATE: 01.24.2019
					DRAWN/CHECK: DMS
					PAGE: 51



Wall Liner Schedule
 Id Qty Type Length Gage OP Finish Color Direction
 #18 150 MOD 6'-0" 28 1 Y IW Left to Right
 Oper. Code:1=SQ,SQ
 Finish:Y=Polyester
 Color:IW=Interior White



WALL LINER ELEVATION AT F
 (View from inside Building)

Shape Name = Team Shank Fabrication , Wall = 2

PERMIT SET- For Building Dept. Approval



1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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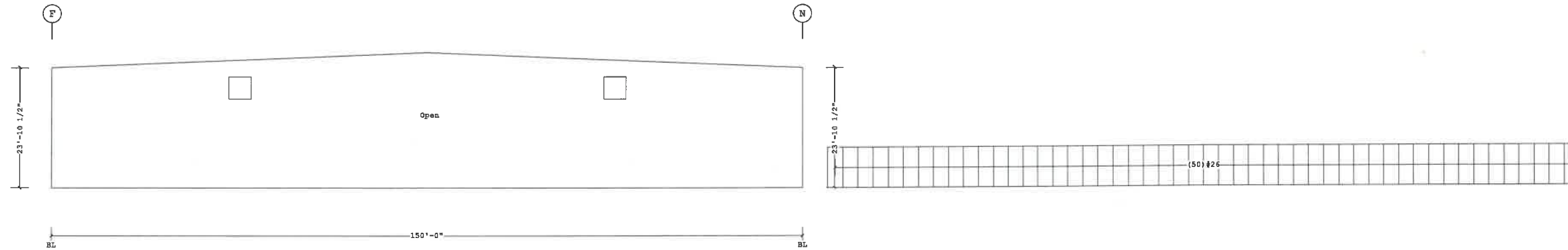
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D				BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		WALL LINER ELEVATION AT F	
REV:	DATE:	BY:	DESCRIPTION:	BUILDER:	McDonalds Design and Build		
				CUSTOMER:			
				LOCATION:	Napoleon, Ohio		
				PROJECT:	Team Shank 150 x 400		
				BUILDER'S PO#:			
DRAWING SCALE:				NTS			



JOB #: 18-046280-01
 DATE: 01.24.2019
 DRAWING CHECK: DMS /
 PAGE: 52

Wall Liner Schedule
 Id Qty Type Length Gage OP Finish Color Direction
 #26 50 MOD 8'-0" 28 1 Y IW Left to Right From Peak
 Oper. Code:1=SQ,SQ
 Finish:Y=Polyester
 Color:IW=Interior White



WALL LINER ELEVATION AT 23
 (View from inside Building)

Shape Name = Team Shank Fabrication , Wall = 3

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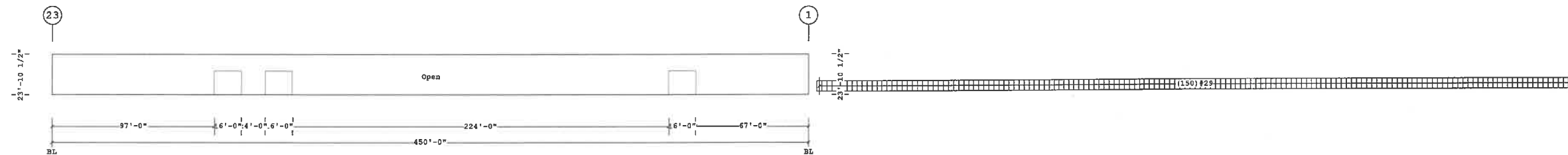
D			
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

WALL LINER ELEVATION AT 23	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWING CHECK: DMS /
PROJECT: Team Shark 150 x 400	PAGE: 53
BUILDER'S PO#:	



PERMIT SET- For Building Dept. Approval

Wall Liner Schedule
 Id Qty Type Length Gage OP Finish Color Direction
 #29 150 MOD 6'-0" 28 1 Y IW Left to Right
 Oper. Code:1-SQ,SQ
 Finish:Y=Polyester
 Color:IW=Interior White



WALL LINER ELEVATION AT N
 (View from inside Building)



PERMIT SET- For Building Dept. Approval

Shape Name = Team Shank Fabrication , Wall = 4

1. PRE-DRILLING 1/8 DIAMETER HOLES FOR STRUCTURAL FASTENERS MAY BE REQUIRED FOR HEAVY GAGE NESTED ZEE'S AND/OR FASTENERS TO STRUCTURAL BEAMS
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			WALL LINER ELEVATION AT N	
	REV:	DATE:	BY:	DESCRIPTION:	BUILDER: McDonalds Design and Build
					CUSTOMER:
					LOCATION: Napoleon, Ohio
					PROJECT: Team Shank 150 x 400
DRAWING SCALE: NTS				BUILDER'S POR:	
					 BUTLER Butler Manufacturing VPC VERSION: 2018.2a
					JOB #: 18-046260-01 DATE: 01.24.2019 DRAWING CHECK: DMS / PAGE: 54

F = FEET G = GAGE
 I = INCHES O = OPERATION
 E = EIGHTHS C = FIN/COLOR

PANEL/COVERING
 W 1 3 1 1 7 2 6 1 K T D
 * F F I I E G G O C C C
 LENGTH CODE

INSULATION
 I B 1 3 0 1 0 3 6 0 3 0 W V
 ** F F F I I I I I I E C C
 LENGTH WIDTH THK CODE

SECONDARY (STANDARD)
 O B Z 1 9 1 1 4 1 7 - - - -
 * * F F I I E G G * * * * *
 DEPTH LENGTH GAGE ADJUST.CODES
 SHAPE

SECONDARY (SPECIAL)
 O 0 1 0 8 Z 1 9 1 1 4 1 7 - - - -
 * * * * * F F I I E G G * * * * *
 COUNTER DEPTH LENGTH GAGE ADJUST.CODES
 SHAPE

ROD BRACING
 O 3 R S 2 5 1 0
 I E * * F F I I
 DIA LENGTH

RS = THREADS BOTH ENDS
 RT = THREADS ONE END - CLEVIS ONE END
 RU = CLEVIS BOTH ENDS
 RP = THREAD BOTH ENDS - NO HILLSIDES

CX*** = COLUMN (PLATE)
 CGX*** = COLUMN (GAGE)
 WCX*** = COLUMN (HOTROLL)

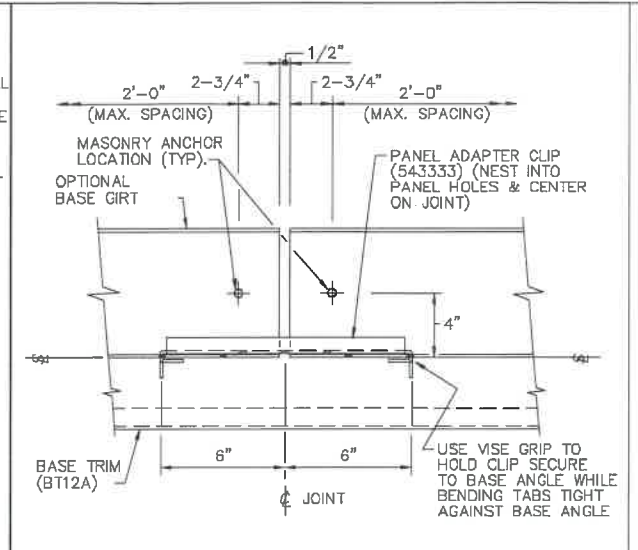
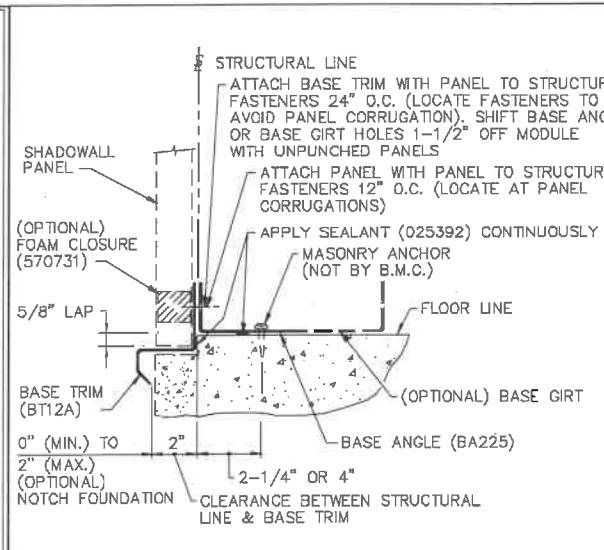
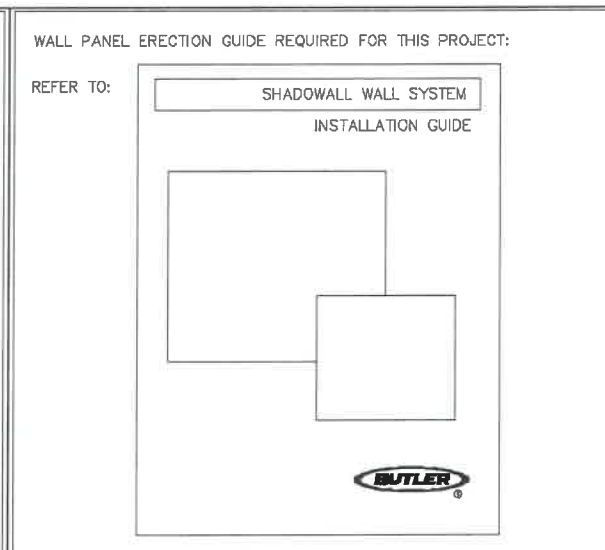
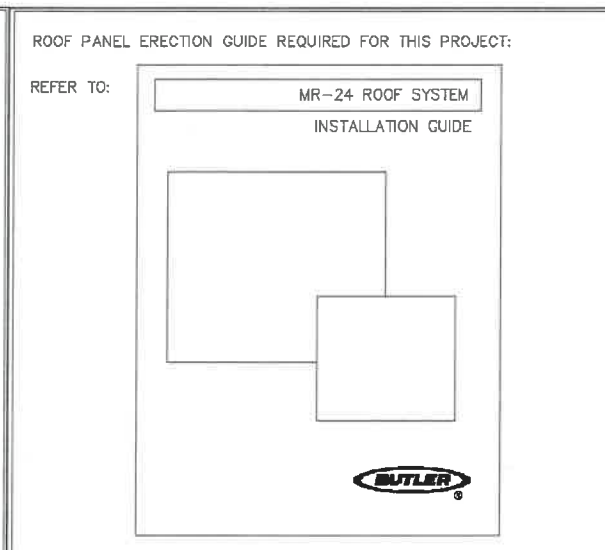
RBX*** = RAFTER (PLATE)
 BGX*** = RAFTER (GAGE)
 WRX*** = RAFTER (HOTROLL)
 TRX*** = TRUSS RAFTER

ICX*** = INTERIOR COLUMN
 PCX*** = PIPE COLUMN
 TCX*** = TUBE COLUMN

EPX*** = ENDPOST (PLATE)
 EGX*** = ENDPOST (GAGE)

CBX*** = CANOPY (PLATE)
 CBX*** = PIGGYBACK CANOPY

DCC*** = 8 1/2" GAGE POST
 DCE*** = 10" GAGE POST



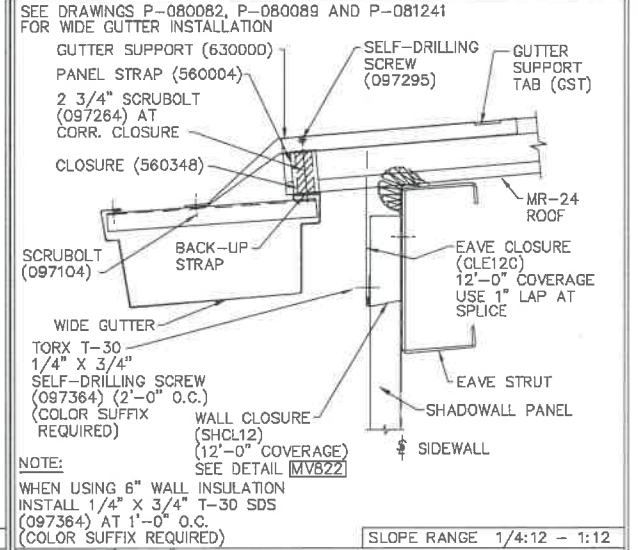
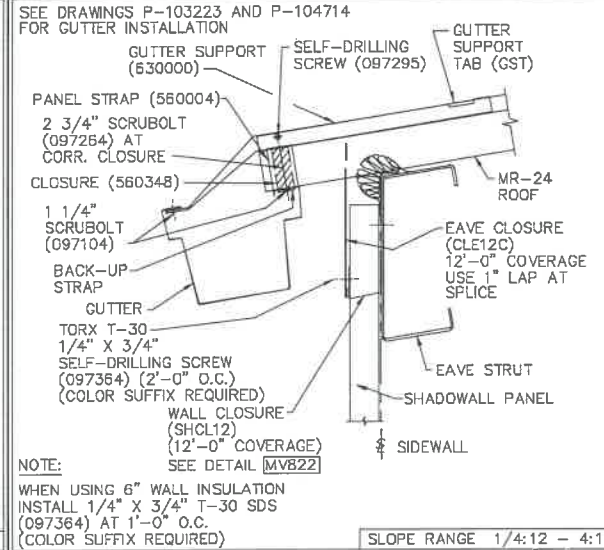
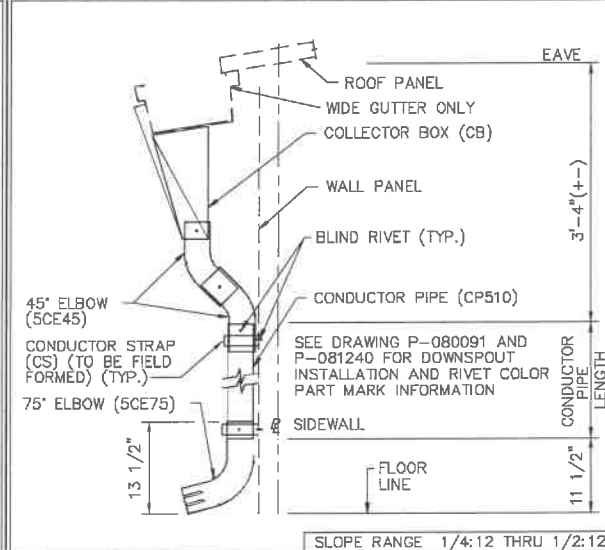
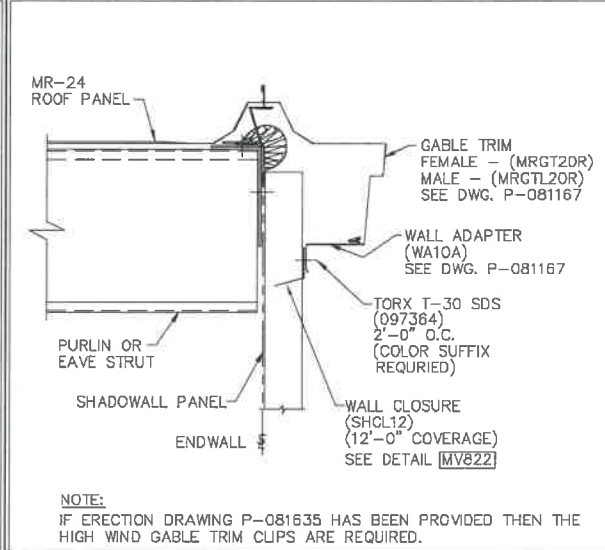
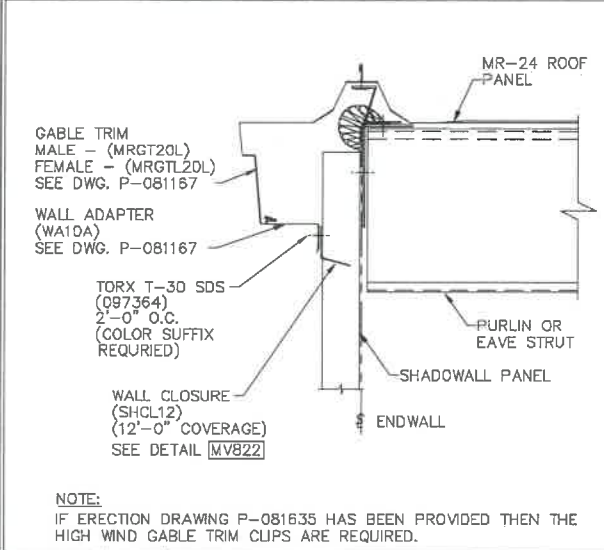
REV. DATE:08/29/12 REV. NO. 01
 EN50B1 MARK NUMBER KEY
 COMMON GENERATED MARK NUMBERS

REV. DATE:01/30/14 REV. NO. 00
 ENB004 MR-24 ROOF SYSTEM

REV. DATE:01/30/14 REV. NO. 00
 ENB006 SHADOWWALL WALL SYSTEM

REV. DATE:01/14/10 REV. NO. 00
 GV386 SHADOWWALL - BASE TRIM INSTALLATION
 LAPPED & NOTCHED FOUNDATION AT FLOOR LINE

REV. DATE:01/14/10 REV. NO. 00
 GV443 OPTIONAL BASE CHANNEL
 JOINT DETAIL - AT FLOOR LINE



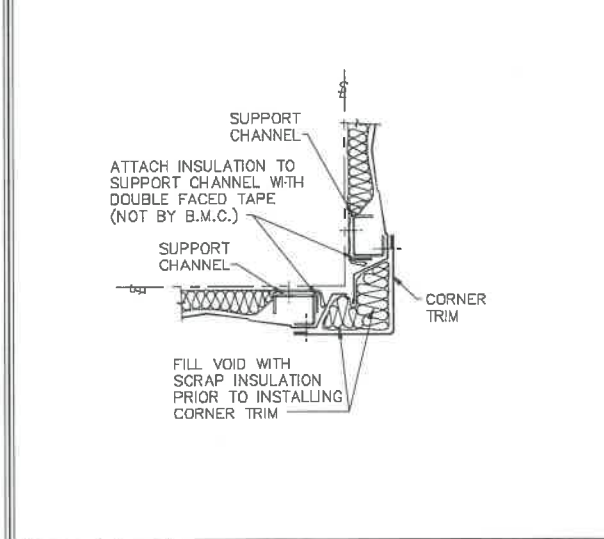
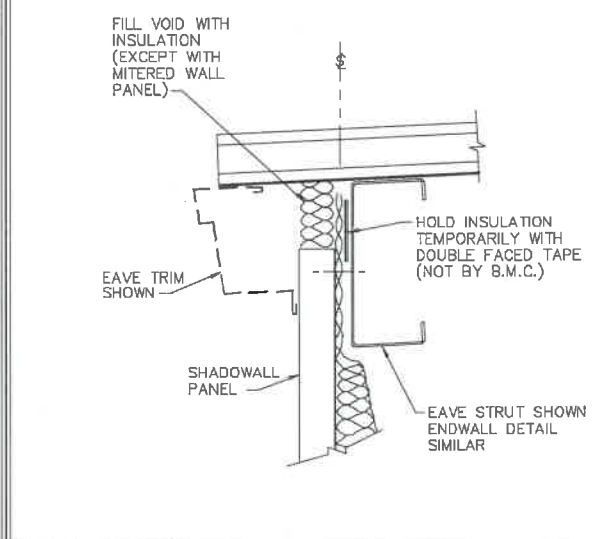
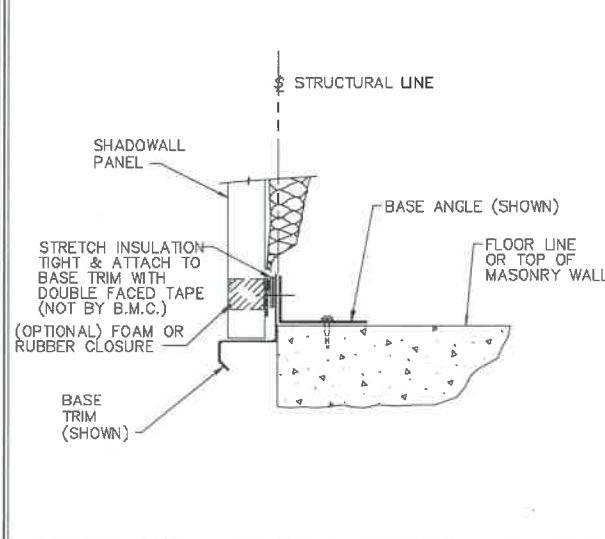
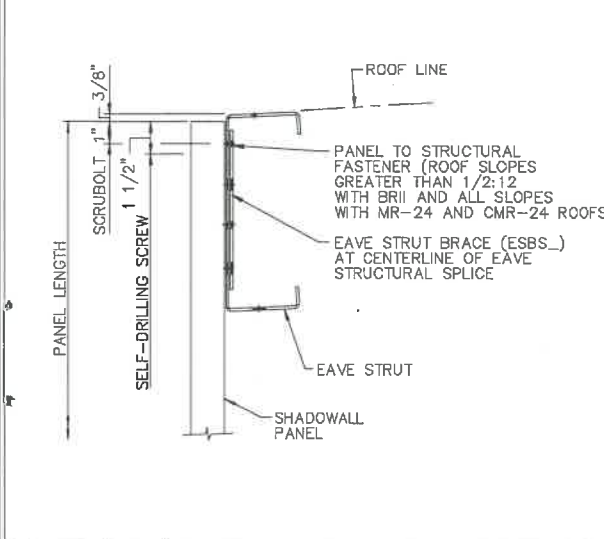
REV. DATE:03/09/17 REV. NO. 03
 KV403 GABLE TRIM LEFT WITH MR-24 ROOF SHADOWWALL WALL PANEL WITH CLOSURE

REV. DATE:03/09/17 REV. NO. 03
 KV404 GABLE TRIM RIGHT WITH MR-24 ROOF SHADOWWALL WALL PANEL WITH CLOSURE

REV. DATE:01/24/14 REV. NO. 02
 KV861 5 INCH DOWNSPOUT AT WALL

REV. DATE:01/28/17 REV. NO. 02
 MV252 GUTTER WITH WTHR. SEAL WITH MR-24 ROOF SHADOWWALL WALL PANEL WITH WALL CLSR

REV. DATE:01/28/17 REV. NO. 02
 MV274 W.GUTTER W/WTHR. SEAL WITH MR-24 ROOF SHADOWWALL WALL PANEL WITH WALL CLSR



REV. DATE:07/23/16 REV. NO. 01
 NV110 SIDEWALL PANEL TOP CONNECTION AT FRAME EAVE STRUT SPLICE

REV. DATE:09/29/13 REV. NO. 01
 NV115 0"-4" INSULATION AT BASE - BASE TRIM SHADOWWALL WALL PANEL

REV. DATE:09/29/13 REV. NO. 02
 NV116 0"-4" INSULATION AT TOP OF WALL - WIDESPAN SHADOWWALL WALL PANEL

REV. DATE:09/29/13 REV. NO. 02
 NV118 0"-4" INSULATION AT OUTSIDE CORNER SHADOWWALL WALL PANEL

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REV.	DATE:	BY:	DESCRIPTION:

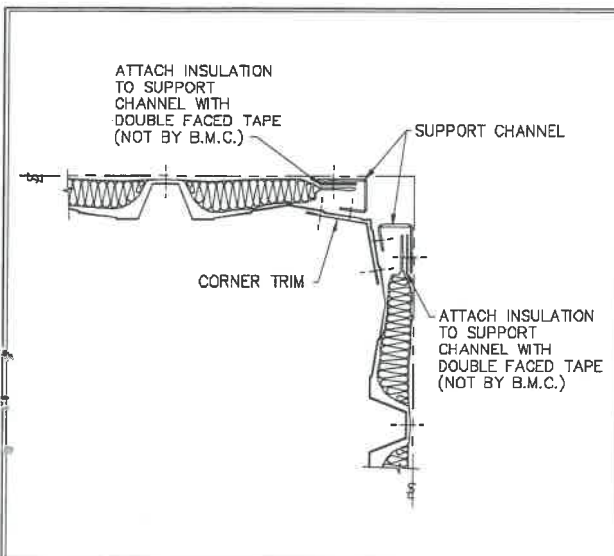
DRAWING SCALE: NTS

COVERING & TRIM SED'S

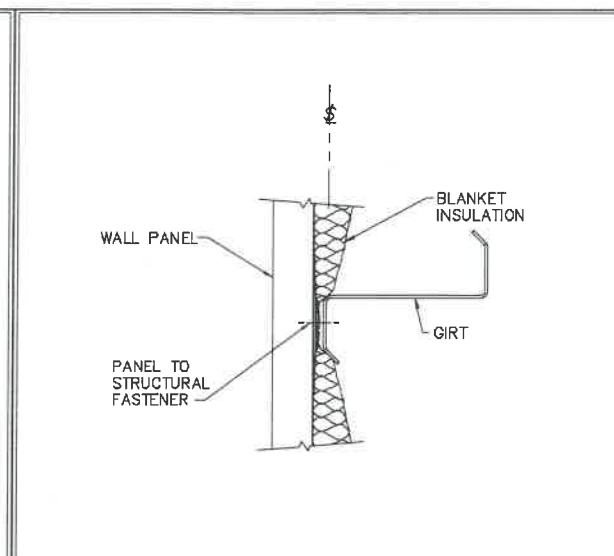
BUILDER:	McDonalds Design and Build	JOB #:	18-046260-01
CUSTOMER:		DATE:	01.24.2019
LOCATION:	Napoleon, Ohio	DRAWN/CHECK:	DMS
PROJECT:	Team Shank 150 x 400	PAGE:	55
BUILDER'S PO#:			

BUTLER
 Butler Manufacturing
 VPC VERSION: 2018.2a

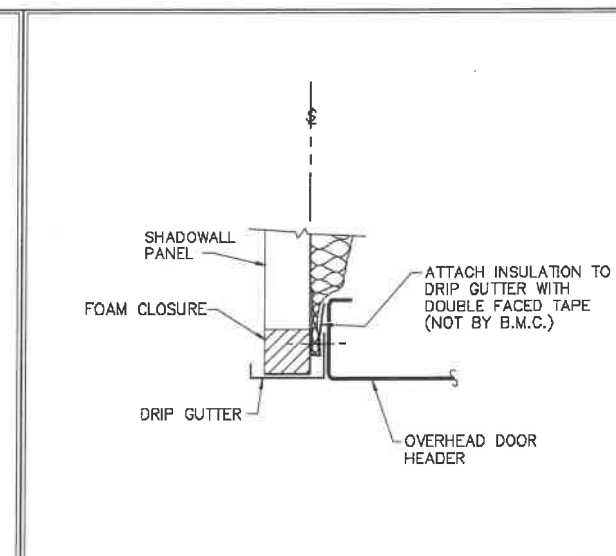




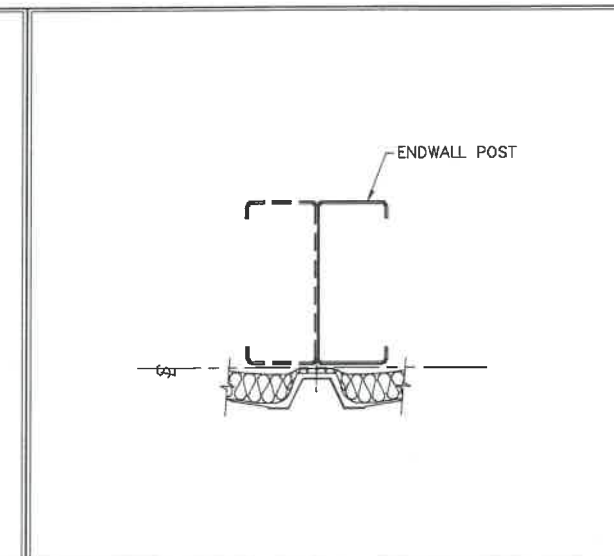
REV. DATE:05/05/13 REV. NO.02 NV119 0"-4" INSULATION AT INSIDE CORNER SHADOWALL WALL PANEL



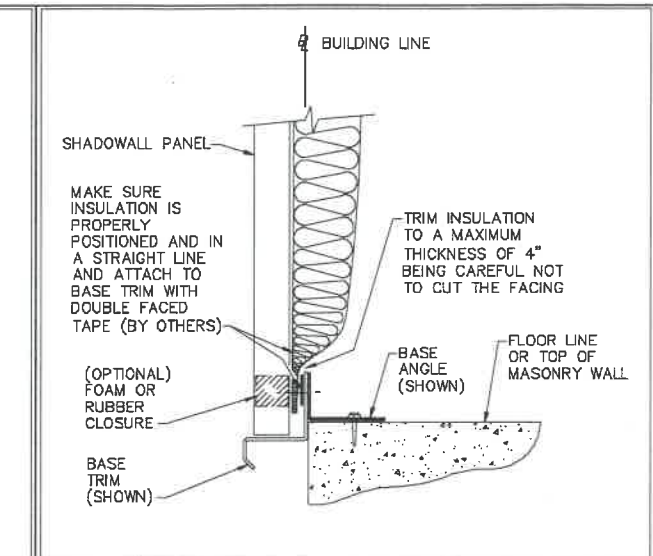
REV. DATE:05/05/13 REV. NO.02 NV120 0"-4" INSULATION AT WALL STRUCTURAL SHADOWALL WALL PANEL



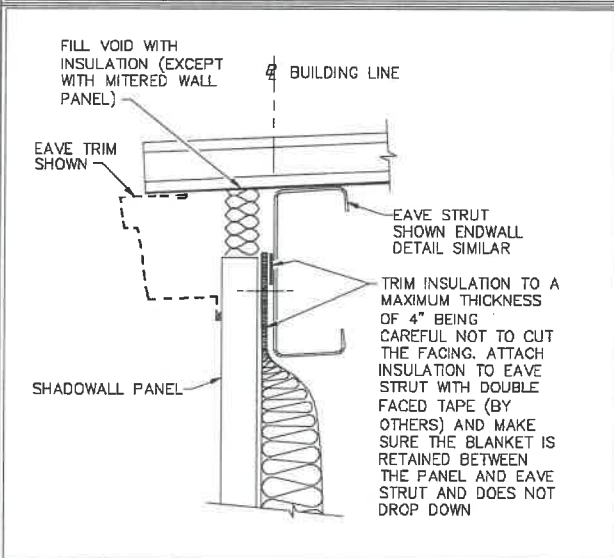
REV. DATE:05/05/13 REV. NO.02 NV125 0"-4" INSULATION AT OVERHEAD DOOR HEADER SHADOWALL WALL PANEL



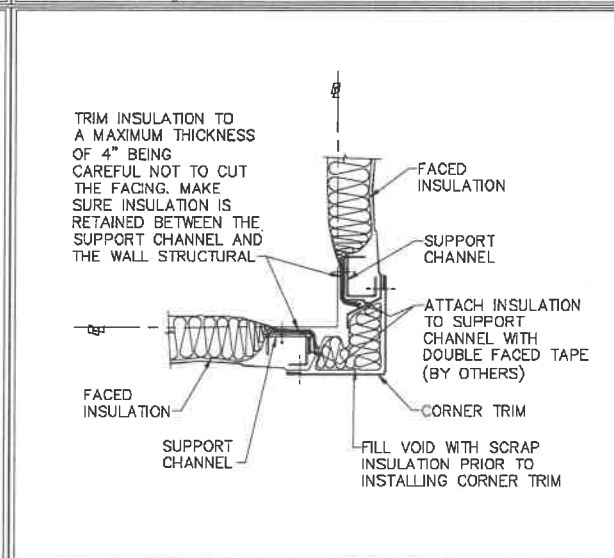
REV. DATE:05/05/13 REV. NO.02 NV128 0"-4" INSUL. AT EW POST ON STRUCT. LINE SHADOWALL WALL PANEL - WIDESPAN



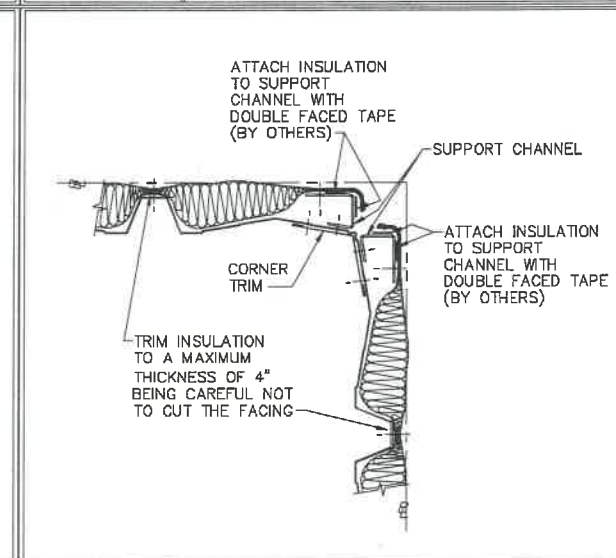
REV. DATE:10/18/17 REV. NO.03 NV130 4 1/2"-8" INSULATION AT BASE - BASE TRIM SHADOWALL WALL PANEL



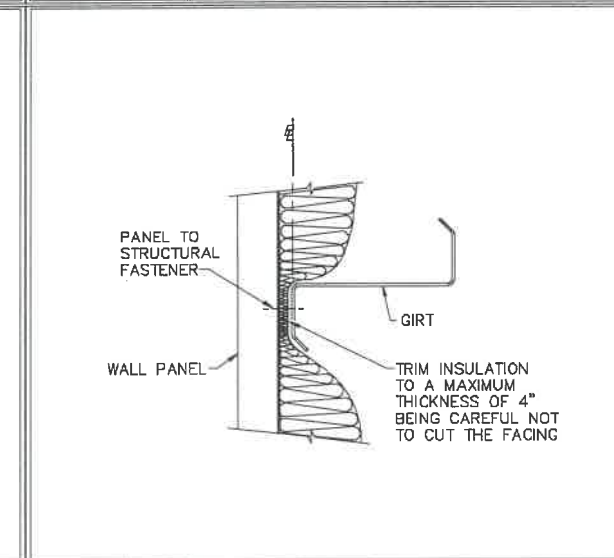
REV. DATE:10/18/17 REV. NO.03 NV131 4 1/2"-8" INSUL. AT TOP OF WALL - WIDESPAN SHADOWALL WALL PANEL



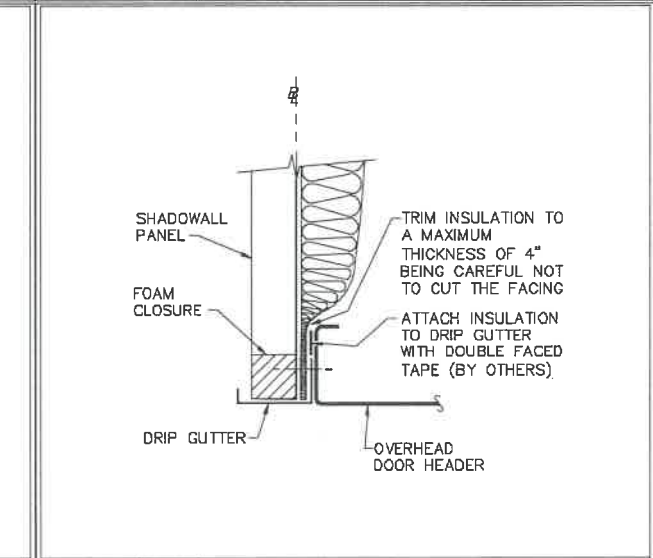
REV. DATE:10/18/17 REV. NO.03 NV133 4 1/2"-8" INSULATION AT OUTSIDE CORNER SHADOWALL WALL PANEL



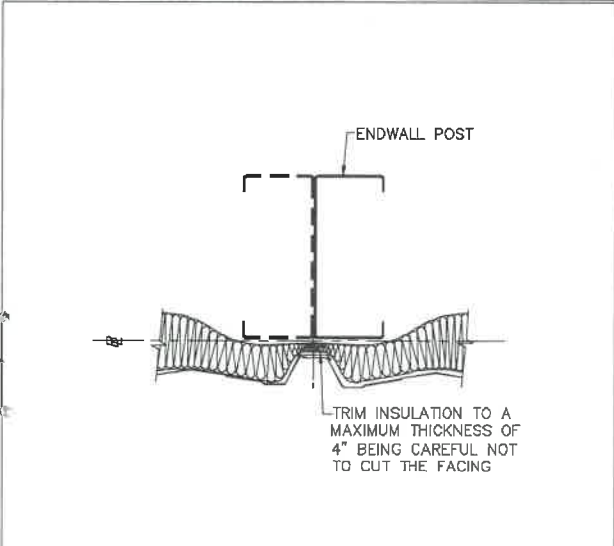
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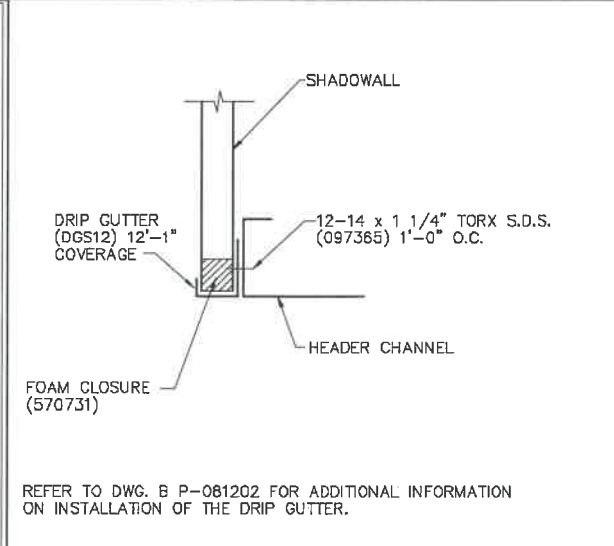
REV. DATE:10/18/17 REV. NO.03 NV135 4 1/2"-8" INSULATION AT WALL STRUCTURAL SHADOWALL WALL PANEL



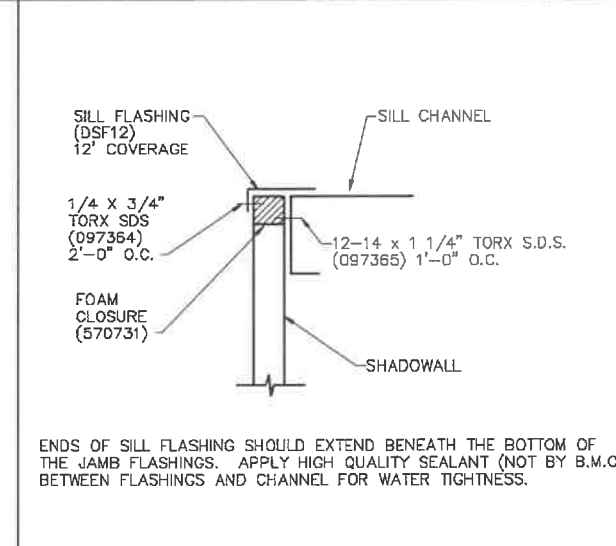
REV. DATE:10/18/17 REV. NO.03 NV140 4 1/2"-8" INSUL. AT O.H. DOOR HEADER SHADOWALL WALL PANEL



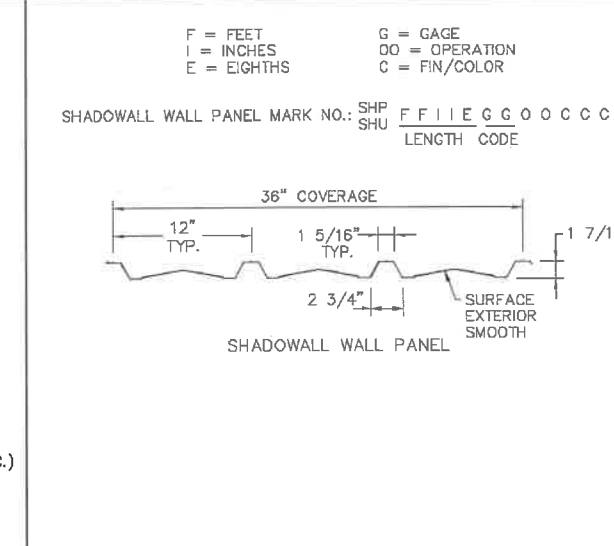
REV. DATE:10/18/17 REV. NO.03 NV143 4 1/2"-8" INS. AT EW POST ON BLDG. LINE SHADOWALL WALL PANEL - WIDESPAN



REV. DATE:01/14/10 REV. NO.00 NV566 HEADER DETAIL - SHADOWALL



REV. DATE:01/14/10 REV. NO.00 NV567 SILL DETAIL - SHADOWALL



REV. DATE:01/14/10 REV. NO.00 NV664 SHADOWALL WALL PANELS

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REV.	DATE	BY	DESCRIPTION

DRAWING SCALE: NTS

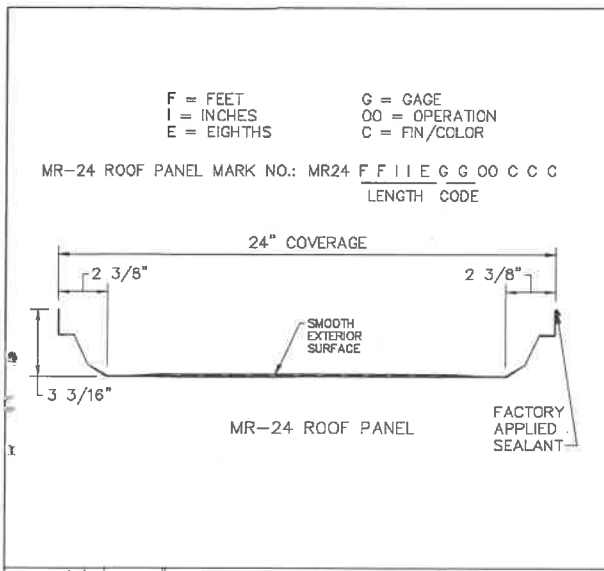
COVERING & TRIM SED'S	
BUILDER:	McDonalds Design and Build
CUSTOMER:	
LOCATION:	Napoleon, Ohio
PROJECT:	Team Shank 150 x 400
BUILDER'S PO#:	

JOB #: 18-046260-01
DATE: 01.24.2019
DRAWN/CHECK: DMS /
PAGE: 56

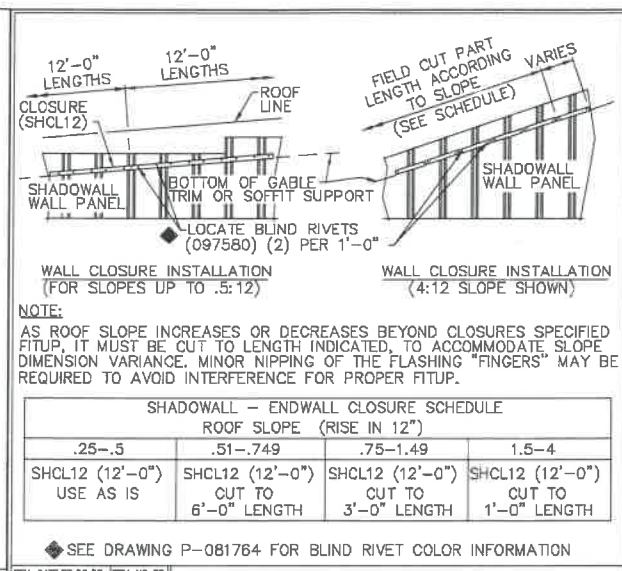
BUTLER
Butler Manufacturing
VPC VERSION: 2018.2a

PERMIT SET- For Building Dept. Approval

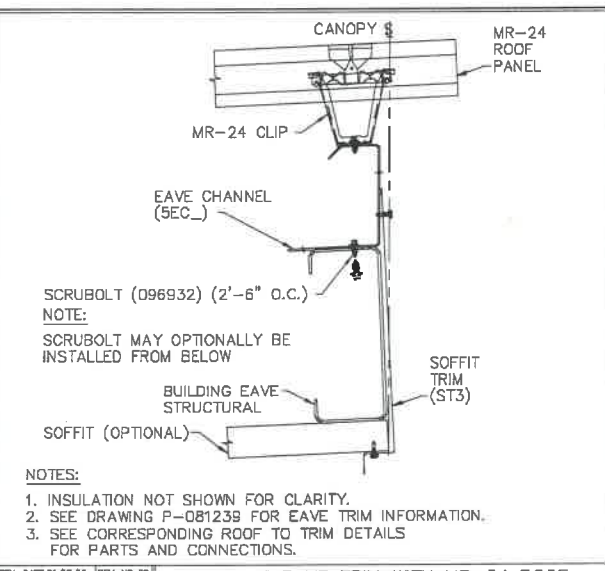




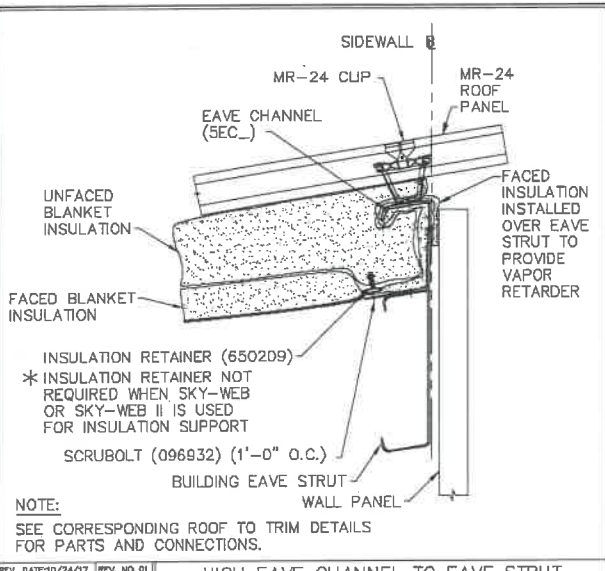
REV. DATE:07/14/10 REV. NO.00 NV667 MR-24 STANDING SEAM ROOF PANEL



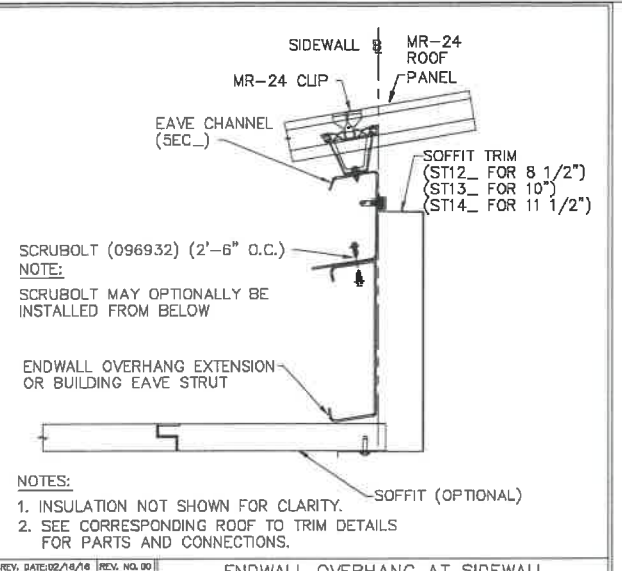
REV. DATE:07/16/17 REV. NO.02 PV157 SHADOWALL WALL PANEL ENDWALL CLOSURE SCHEDULE



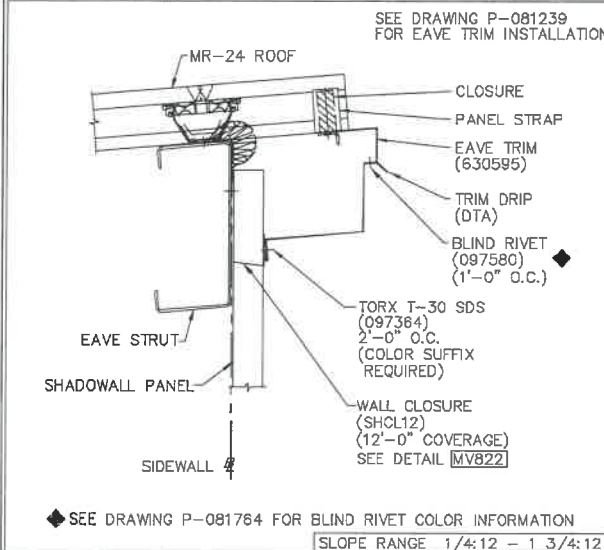
REV. DATE:07/16/16 REV. NO.00 RCB363 HIGH SIDE EAVE TRIM WITH MR-24 ROOF AT CANOPY FOR INSULATION BRIDGE



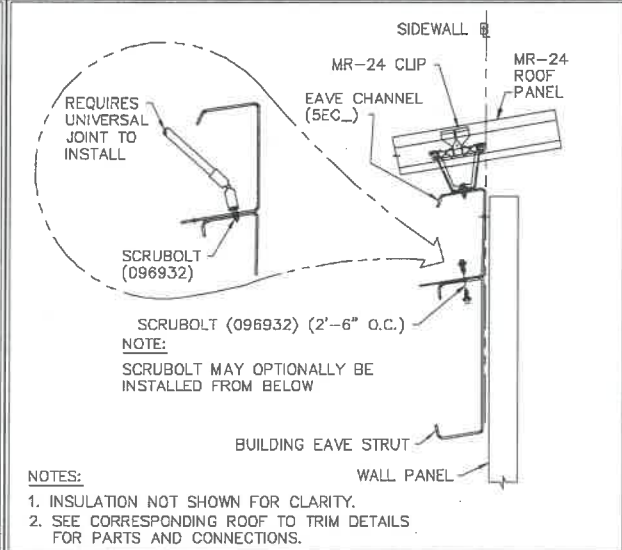
REV. DATE:10/24/17 REV. NO.01 RCB366 HIGH EAVE CHANNEL TO EAVE STRUT INSULATION PLACEMENT FOR INSULATION BRIDGE



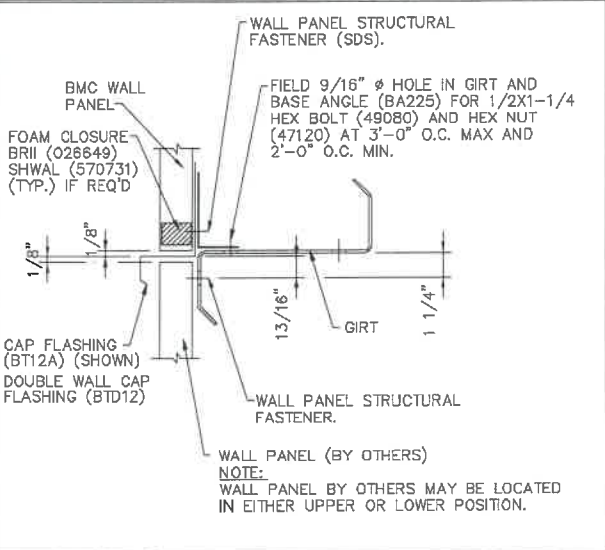
REV. DATE:02/16/16 REV. NO.00 RCB398 ENDWALL OVERHANG AT SIDEWALL HIGH EAVE ATTACHMENT FOR INSULATION BRIDGE



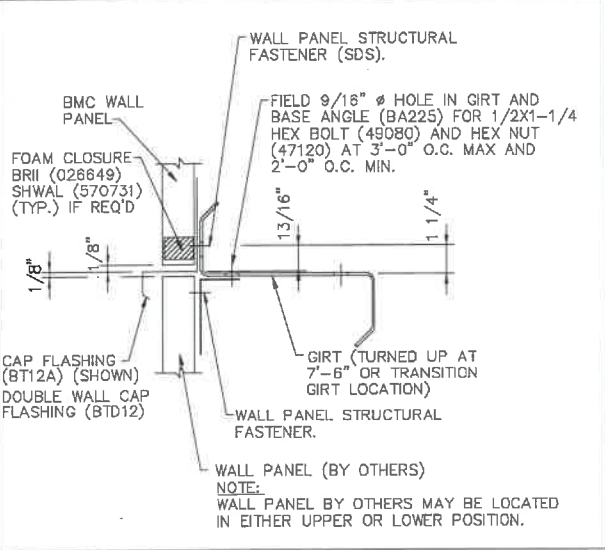
REV. DATE:07/16/17 REV. NO.02 RCB420 HIGH SIDE EAVE TRIM WITH MR-24 ROOF SHADOWALL WALL PANEL WITH WALL CLSR



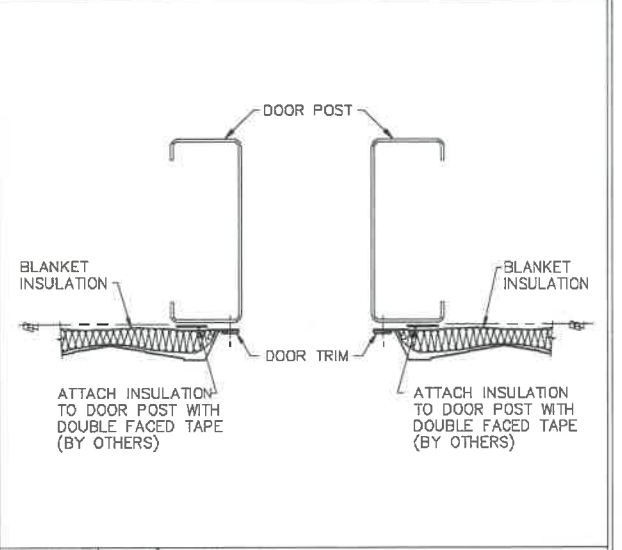
REV. DATE:02/16/16 REV. NO.00 RSB019 EAVE CHANNEL TO EAVE STRUT HIGH EAVE ATTACHMENT FOR INSULATION BRIDGE



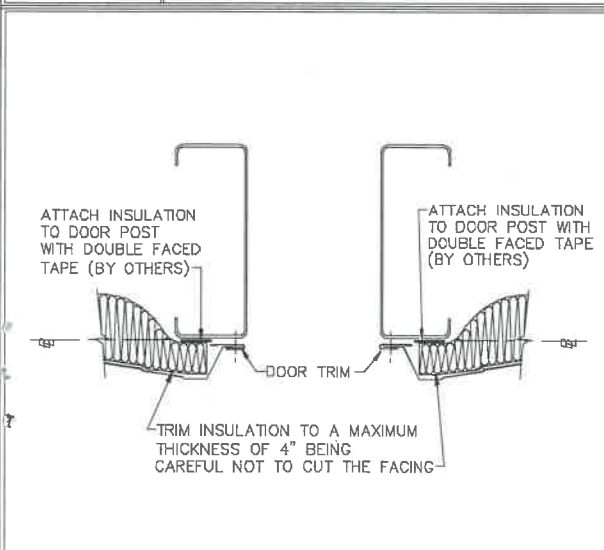
REV. DATE:11/04/14 REV. NO.00 WCB001 WALL PANEL SPLICE GIRTS TURNED DOWN



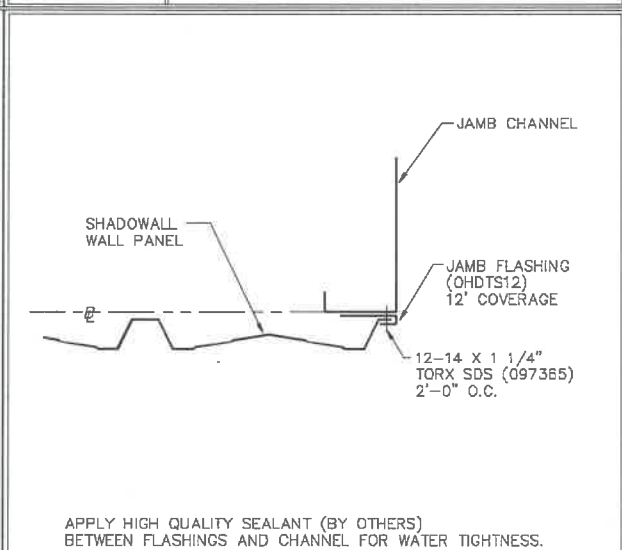
REV. DATE:11/04/14 REV. NO.00 WCB002 WALL PANEL SPLICE GIRTS TURNED UP



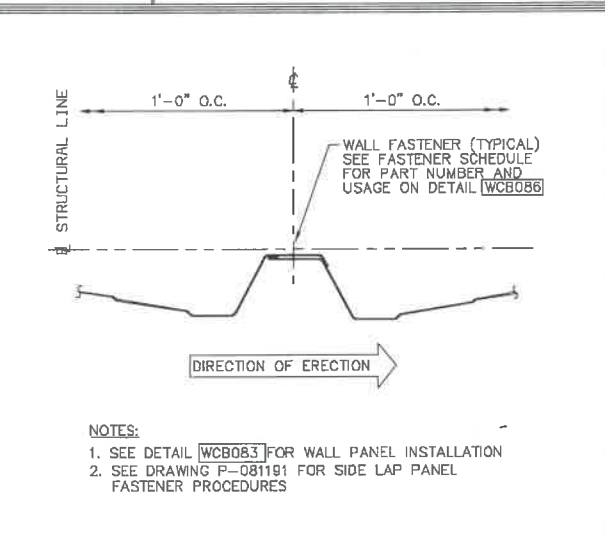
REV. DATE:02/02/17 REV. NO.00 WCB033 0"-4" INSULATION AT OVERHEAD DOOR POST DOOR ON MODULE - SHADOWALL WALL PANEL



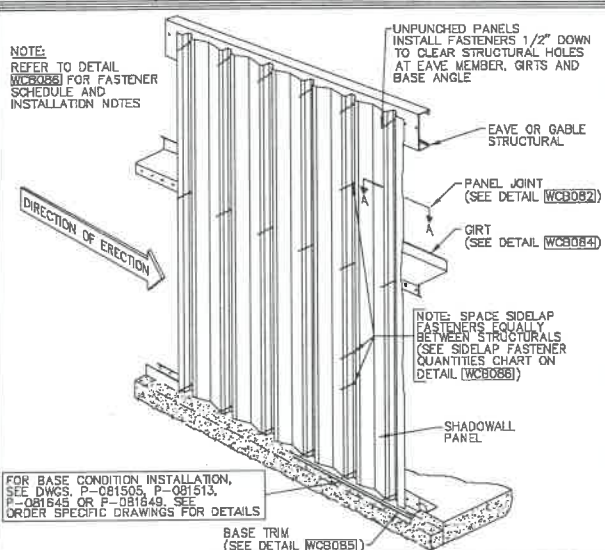
REV. DATE:10/18/17 REV. NO.01 WCB034 4 1/2"-8" INSUL. AT OVERHEAD DOOR POST DOOR ON PANEL MODULE - SHADOWALL WALL PANEL



REV. DATE:02/02/17 REV. NO.00 WCB035 ON MODULE JAMB DETAIL - SHADOWALL



REV. DATE:09/22/17 REV. NO.00 WCB082 SHADOWALL PANEL JOINT ASSEMBLY SECTION A-A



REV. DATE:09/11/17 REV. NO.00 WCB083 SHADOWALL PANEL INSTALLATION PANEL TO STRUCTURAL

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COVERING & TRIM SED'S

REV.	DATE:	BY:	DESCRIPTION:	BUILDER:	McDonalds Design and Build
				CUSTOMER:	
				LOCATION:	Napoleon, Ohio
				PROJECT:	Team Shank 150 x 400
				BUILDER'S POR:	

DRAWING SCALE: NTS

1/24/2019 SEDSheet 13:08:27

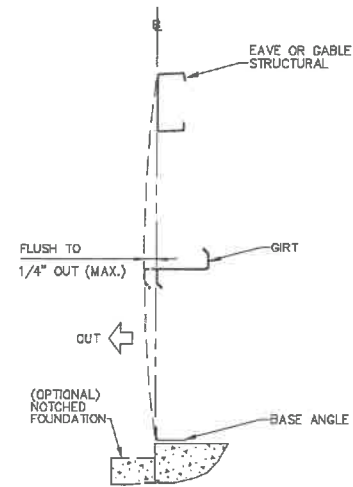
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LABIB E. ASAAD E-77805

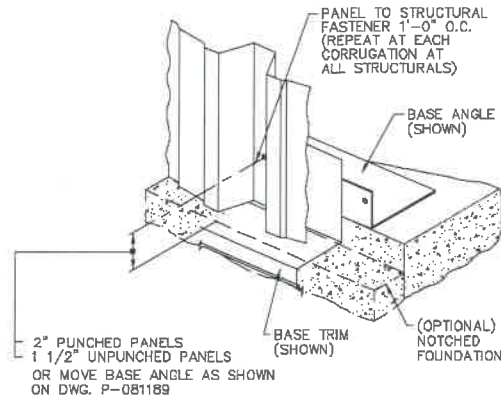
BUTLER
Butler Manufacturing
VPC VERSION: 2018.2a

JOB #: 18-046260-01
DATE: 01.24.2019
DRAWN/CHECK: DMS /
PAGE: 57

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REV. DATE:06/23/17 REV. NO.00
WCB084 SHADOWWALL GIRT ALIGNMENT



REV. DATE:06/23/17 REV. NO.00
WCB085 SHADOWWALL PANEL ATTACHMENT AT BASE LAP FOUNDATION SHOWN

INSULATION THICKNESS (S.F./CUFT. OR LESS)	FASTENER SCHEDULE	
	PANEL-TO-STRUCTURAL FASTENERS	PANEL-TO-PANEL FASTENERS
0\"/>		

DISTANCE BETWEEN WALL STRUCTURALS	FASTENER QUANTITY BETWEEN STRUCTURALS
3'-0\"/>	

FASTENER NOTES:
 1. HEADS OF FASTENERS ARE PAINTED TO MATCH WALL PANEL COLOR. THE FASTENER PART NUMBERS SHOWN IN THE FASTENER SCHEDULE WILL BE FOLLOWED BY A THREE DIGIT COLOR SUFFIX CODE.
 2. PANEL-TO-STRUCTURAL FASTENERS ARE INSTALLED ON 1'-0\"/>

INSTALLATION NOTES:
 1. SHADOWWALL PANELS ARE AVAILABLE WITH OR WITHOUT PUNCHING. REFER TO PANEL IDENTIFICATION FOR PART NUMBER AND PANEL USAGE.
 2. WHEN USING UNPUNCHED PANELS, CHECK MODULARITY ON EVERY PANEL TO ASSURE PROPER COVERAGE AND FIT UP OF TRIM AT ACCESSORIES.
 3. FOR CORRECT INSTALLATION OF SELF-DRILLING SCREWS FOR UNPUNCHED PANELS, A VARIABLE SPEED SCREW GUN WITH CAPABILITY OF 1500 TO 2500 RPM IS RECOMMENDED. (SEE DRAWING P-081189).
 4. REFERENCE SHADOWWALL INDEX P-081180 FOR APPROPRIATE INSTALLATION DRAWINGS.
 5. REFER TO APPROPRIATE INSULATION INSTALLATION DETAILS ON ORDER SPECIFIC DRAWINGS TO PREVENT UNSIGHTLY BLOWING ON EXTERIOR SURFACE OF WALL PANELS.

REV. DATE:06/23/17 REV. NO.00
WCB086 SHADOWWALL PANEL GENERAL NOTES FASTENER AND INSTALLATION



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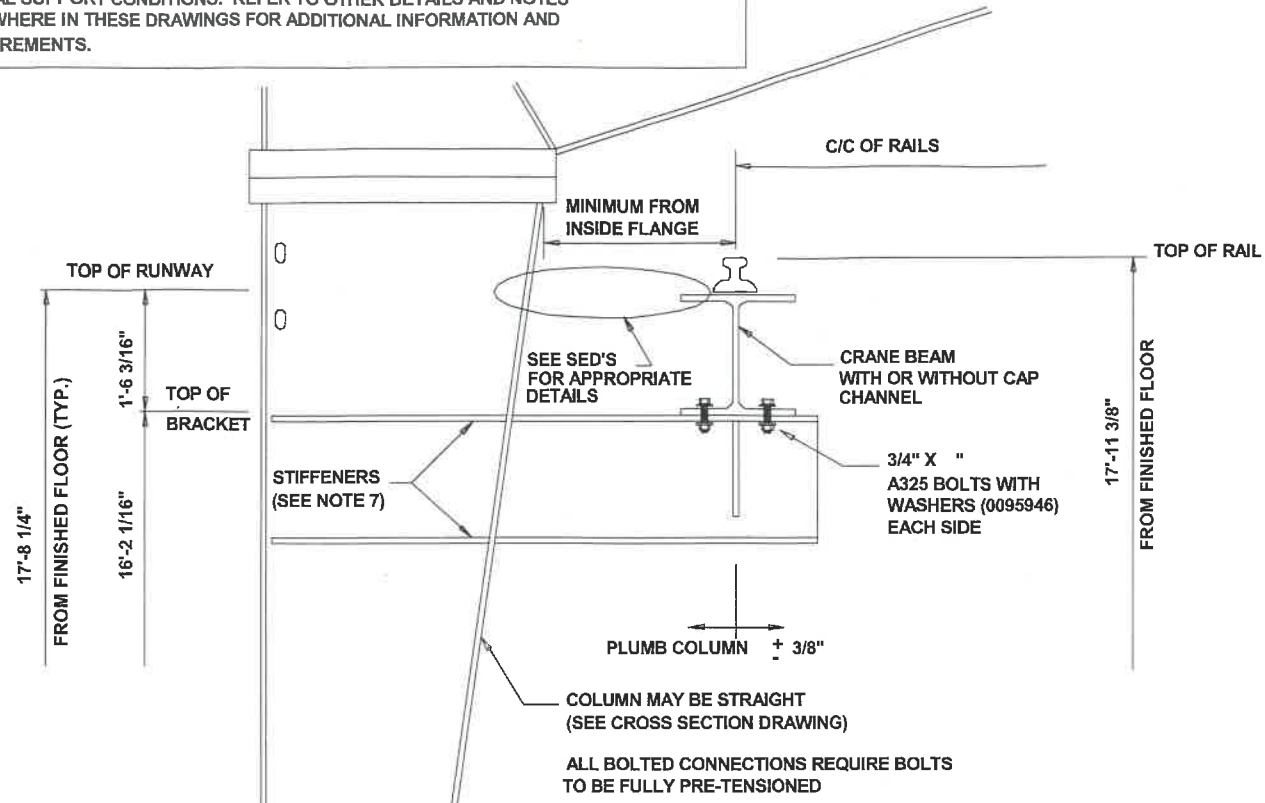
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D	BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102		
	REV:	DATE:	BY:
			DESCRIPTION:
DRAWING SCALE:			NTS

COVERING & TRIM SED'S			JOB #: 18-046260-01 DATE: 01.24.2019 DRAWING CHECK: DMS PAGE: 58
BUILDER:	McDonalds Design and Build		
CUSTOMER:			
LOCATION:	Napoleon, Ohio		
PROJECT:	Team Shank 150 x 400	BUTLER MANUFACTURING VPC VERSION: 2018.2a	
BUILDER'S PO#:		a division of BlueScope Buildings North America, Inc.	

NOTE: THE CRANE BRACKET SHOWN ON THIS DRAWING MAY NOT REPRESENT ACTUAL SUPPORT CONDITIONS. REFER TO OTHER DETAILS AND NOTES ELSEWHERE IN THESE DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



TOP RIDING BRIDGE CRANE AND BRACING DETAIL

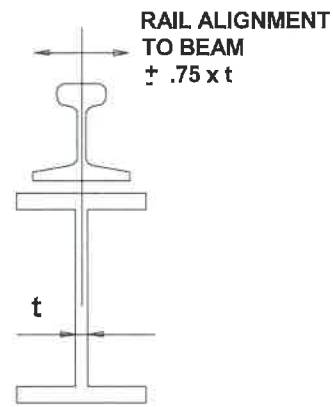
CRANE DESIGN DATA

CRANE CLASSIFICATION:	C (Moderate Service)	IMPACT: VERTICAL =	10.00	% OF WHEEL LOAD
CRANE CAPACITY:	7.50 Ton	LATERAL =	20.00	% OF LIFTED LOAD + TROLLEY
CRANE SPAN:	47'-11" (C/C OF RAILS)	LONGITUDINAL =	10.00	% OF MAXIMUM WHEEL LOADS, PER RAIL
WHEEL SPACING:	6'-0"	RUNWAY BEAM SIZE:	W18X50, MC12X10.6	
TROLLEY/HOIST WT.	1.70 k	CRANE RAIL SIZE:	ASCE Light 30 lb/yd	
BRIDGE WT.	6.67 k			
MAXIMUM WHEEL LOAD:	9.49 k (W/O IMPACT)			
RUN-UP DIST. (IF TWO CRANES)	2.25 ft			

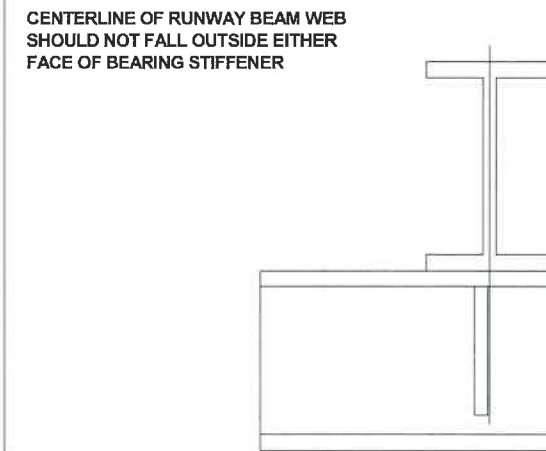
CRANE DATA

NOTES

- 1) CRANE OPERATIONS MAY CAUSE VIBRATIONS IN ROD BRACING AND OTHER BUILDING COMPONENTS. OTHERS TO PROVIDE AND INSTALL CLAMPS OR TIES AS REQUIRED TO MINIMIZE VIBRATION NOISE.
- 2) CRANE BRACKET ELEVATIONS MAY VARY SLIGHTLY DUE TO FABRICATION TOLERANCES. SHIMMING OF BEAMS OR LEVELING AND GROUTING OF COLUMN BASES MAY BE REQUIRED BY THE ERECTOR.
- 3) DO NOT WELD TO CRANE RUNWAY BEAMS OR SUPPORT BRACKETS OTHER THAN WELDS SPECIFIED IN THESE DRAWINGS WITHOUT THE ADVANCE WRITTEN CONSENT OF THE RUNWAY BEAM DESIGN ENGINEER.
- 4) CRANE RUNWAY SYSTEMS ARE SUBJECT TO FATIGUE RELATED PROBLEMS. THEREFORE, ANY RUNWAY COMPONENTS AND DETAILS SUPPLIED MUST BE DEVELOPED BY A PROFESSIONAL ENGINEER COMPETENT IN THE DESIGN OF SUCH SYSTEMS.
- 5) CRANE RAIL ATTACHMENTS MUST PERFORM SEVERAL IMPORTANT FUNCTIONS, INCLUDING:
 - TRANSFER OF LATERAL CRANE LOADS FROM THE TOP OF THE RAIL TO THE RUNWAY BEAM
 - ALLOW THE RAIL TO "FLOAT" LONGITUDINALLY RELATIVE TO THE CRANE RUNWAY BEAM
 - ALLOW FOR ADJUSTMENT/ALIGNMENT OF THE RAIL
 - HOLD THE RAIL IN PLACE Laterally
 SELECTION OF THE APPROPRIATE METHOD FOR CRANE RAIL ATTACHMENT MUST BE DONE BY A PROFESSIONAL ENGINEER COMPETENT IN THIS AREA OF DESIGN. THE CRANE RAILS MUST BE INSTALLED TO ALIGN WITH THE WEB OF THE RUNWAY BEAMS WITHIN THE TOLERANCE SHOWN IN THE DETAILS.
- 6) THE DESIGN AND ATTACHMENT DETAILS FOR THE CRANE END STOPS MUST BE DEVELOPED BY INDIVIDUAL(S) QUALIFIED TO DO SO. COORDINATION WITH THE CRANE MANUFACTURER IS STRONGLY RECOMMENDED.
- 7) THE STIFFENERS SHOWN ARE PROVIDED ONLY WHEN THE CRANE BRACKET IS PROVIDED BY BLUESCOPE. THESE STIFFENERS ARE ALWAYS REQUIRED. IN CASES WHERE THE BRACKET IS NOT BY BLUESCOPE, THE STIFFENER WIDTH, LENGTH, THICKNESS, FIELD WELDING REQUIREMENTS, ETC MUST BE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER COMPETENT IN THE AREA OF BRIDGE CRANE DESIGN IN STEEL BUILDINGS.
- 8) THE CRANE RUNWAY TIE-BACKS ARE ONLY PROVIDED WHEN THE CRANE RUNWAY BEAMS ARE BY BLUESCOPE. RUNWAY TIE-BACKS ARE ALWAYS REQUIRED. IMPROPER DESIGN AND DETAILING OF TIE-BACKS CAN CAUSE FATIGUE RELATED PROBLEMS AND THEREFORE SHOULD BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER WHO IS COMPETENT IN THE AREA OF BRIDGE CRANE RUNWAY SYSTEM DESIGN. THE BEARING STIFFENER SHOWN WILL BE PROVIDED AT THE ELEVATION SHOWN ONLY WHEN THE RUNWAY BEAM IS BY BLUESCOPE.
- 9) THE CYCLIC NATURE OF BRIDGE CRANE EFFECTS WILL TEND TO CAUSE GRADUAL LOOSENING AND/OR MISALIGNMENT OF SOME BUILDING COMPONENTS. PERIODIC INSPECTION OF CONNECTIONS AND ALIGNMENT WILL BE REQUIRED.
- 10) BLUESCOPE HIGHLY RECOMMENDS THAT COLUMN SUPPORTING CRANES GREATER THAN 10 TONS HAVE DOUBLE NUT BASE DETAIL WITH NON-COMPRESSIBLE GROUT TO FACILITATE PROPER LEVELING. CONSULT PROJECT PROFESSIONAL.
- 11) WHEN BEAMS AND/OR RAILS ARE INDICATED AS "BY OTHERS", BLUESCOPE COMPANIES ACCEPT NO RESPONSIBILITY FOR DESIGN OR FABRICATION OR SUPPLY OF THESE ELEMENTS. THE CRANE BEAM SIZE SHOWN IS CONCEPTUAL ONLY FOR THE DESIGN OF SUPPORTING ELEMENTS AND SHOULD NOT BE CONSIDERED AS DESIGNED BY BLUESCOPE, NOR CHECKED BY BLUESCOPE ENGINEERS, NOR SUPPLIED BY BLUESCOPE COMPANIES. BUILDER MUST VERIFY WITH RUNWAY DESIGNER ACTUAL SIZE OF BEAM.



RAIL ALIGNMENT



CRANE BEAM ALIGNMENT



PERMIT SET- For Building Dept. Approval

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

Shape Name = Team Shank Fabrication , Wall = 4
 THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.
 THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

D			
BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102			
REV:	DATE:	BY:	DESCRIPTION:
DRAWING SCALE: NTS			

CRANE DATA 4-1	
BUILDER: McDonalds Design and Build	JOB #: 18-046260-01
CUSTOMER:	DATE: 01.24.2019
LOCATION: Napoleon, Ohio	DRAWN/CHECK: DMS /
PROJECT: Team Shank 150 x 400	FRGE: 59
BUILDER'S PO#:	

