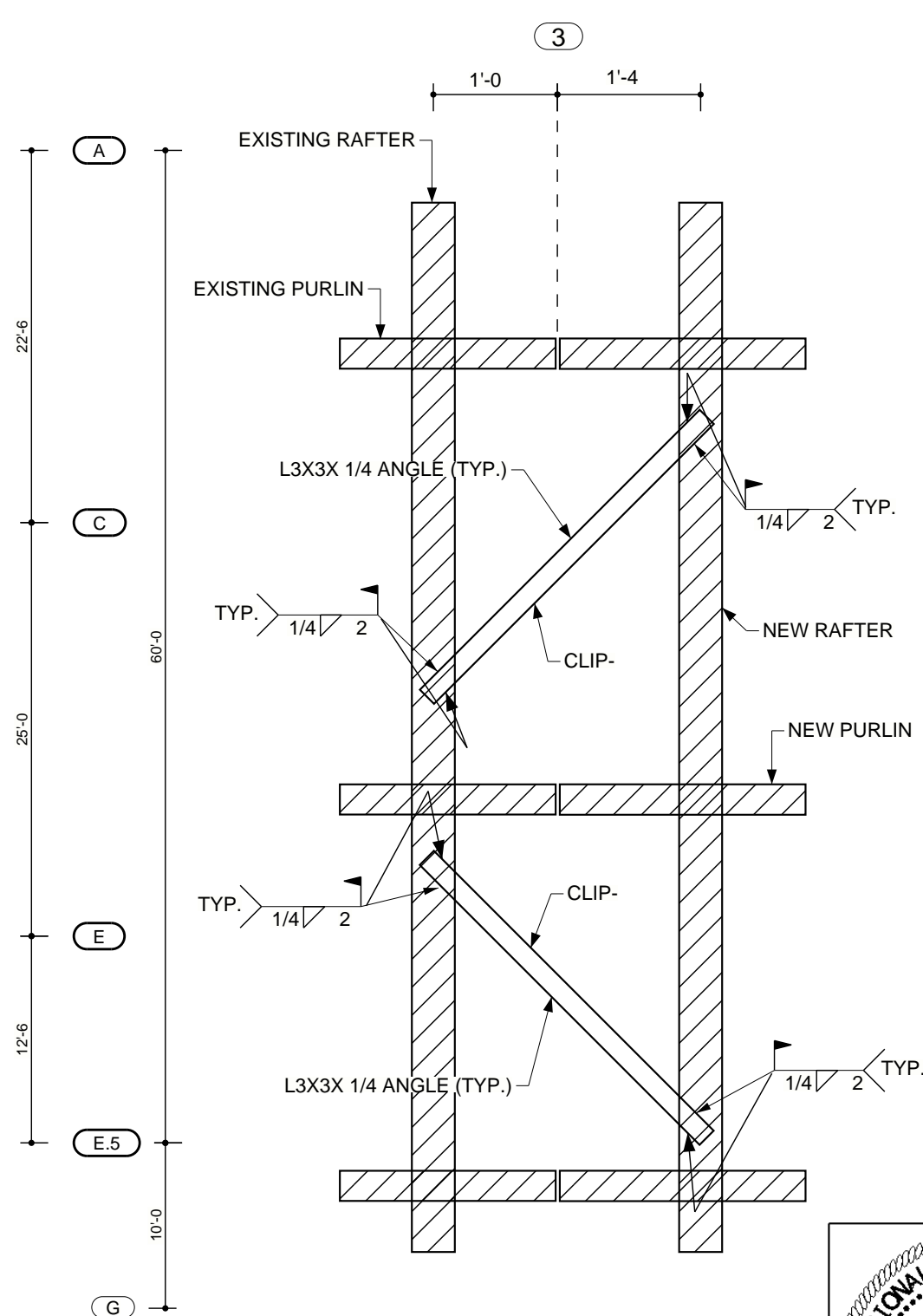
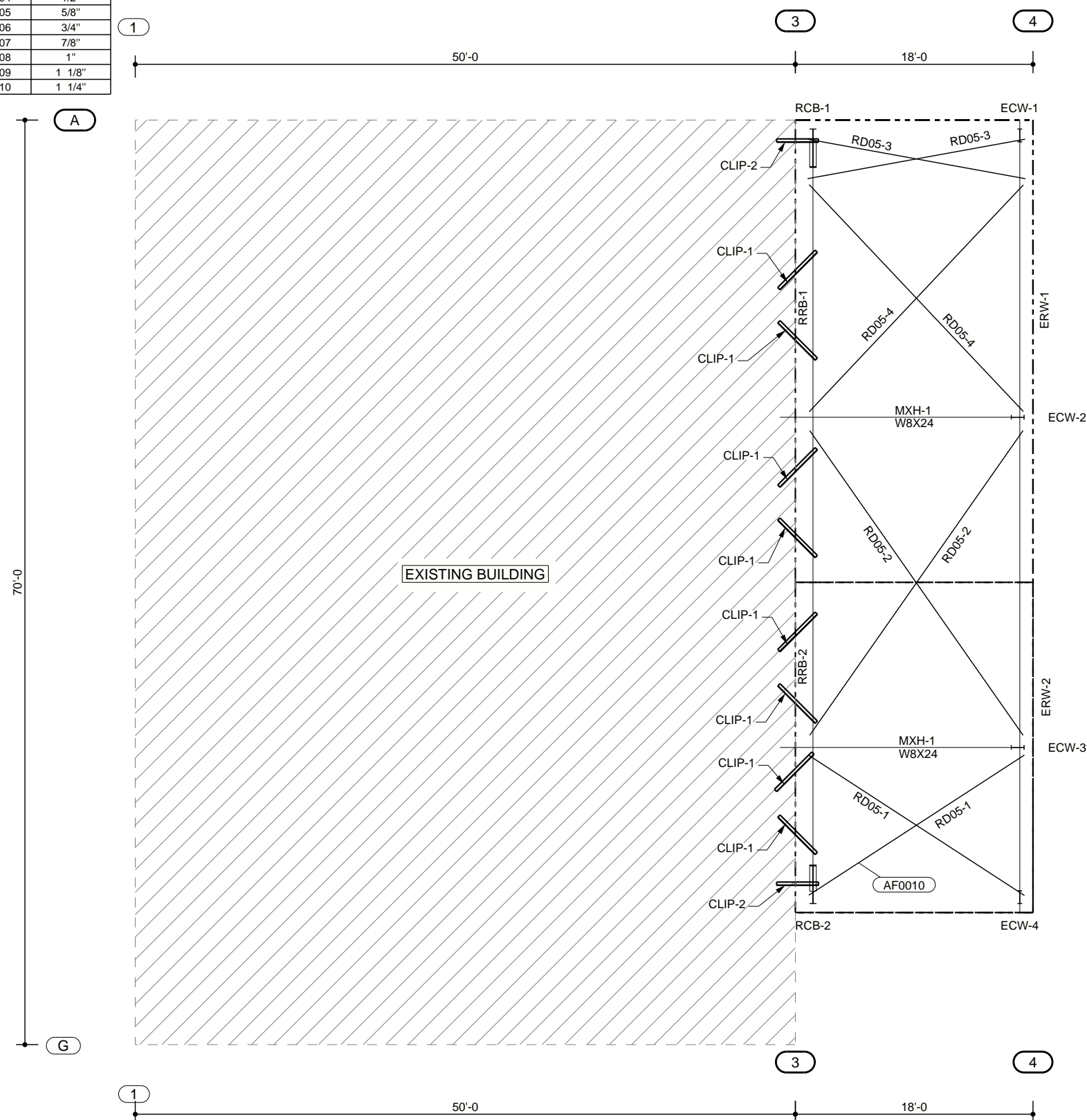


RD=ROD BRACING CA=CABLE BRACING	
CODE	DIAMETER
02	1/4"
03	3/8"
04	1/2"
05	5/8"
06	3/4"
07	7/8"
08	1"
09	1 1/8"
10	1 1/4"




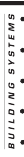

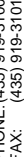




SHAKEOUT PLAN GENERAL NOTES

SH1: PLACE WELDED METAL TAGGED END OF RAFTER TOWARD LOW EAVE.
 RAFTERS CENTERED ON RIDGE: IF NOT SYMMETRICAL, *** INDICATES THE TAGGED END.
 OTHERWISE, THEY ARE SYMMETRICAL AND CAN BE ORIENTED EITHER DIRECTION.
 REFERENCE CROSS SECTIONS FOR ORIENTATION OF INTERIOR COLUMNS.

**GN1: REQUIRED DETAILS ARE NOT ALWAYS CALLED OUT ON THE PLAN/ELEVATION.
ALL DETAILS AND INFO ON THE D & SD PAGES SHOULD BE REVIEWED PRIOR TO INSTALLATION.**

#	RELEASE / REVISION		DWN / CHK	ENG	DATE
	0	CONST. AB PLAN	NBS / EOP	RRS	07/19/2023
	1	FOR BDR REVIEW	TKL / JKM	RRS	09/08/2023
	2	FOR REVIEW	TKL / JKM	RRS	09/08/2023
DRAWING TITLE					
PRIMARY DRAMING SHAVE/OUT PLAN					
JOB NUMBER		ADDRESS			
U23G0499A		6184 W 9790 S			
		St. George, Co. Washington UT ***			
PROJECT NAME					
Hangar Addition EWO					
BUYER NAME					
Advanced Steel Buildings Sys					
DRAWING STATUS					
FOR APPROVAL ONLY					
SHEET					
E-1					

							
PHONE: (435) 919-3100		PHONE: (435) 919-3100		PHONE: (435) 919-3100		PHONE: (435) 919-3100	
FAX: (435) 919-3101		FAX: (435) 919-3101		FAX: (435) 919-3101		FAX: (435) 919-3101	

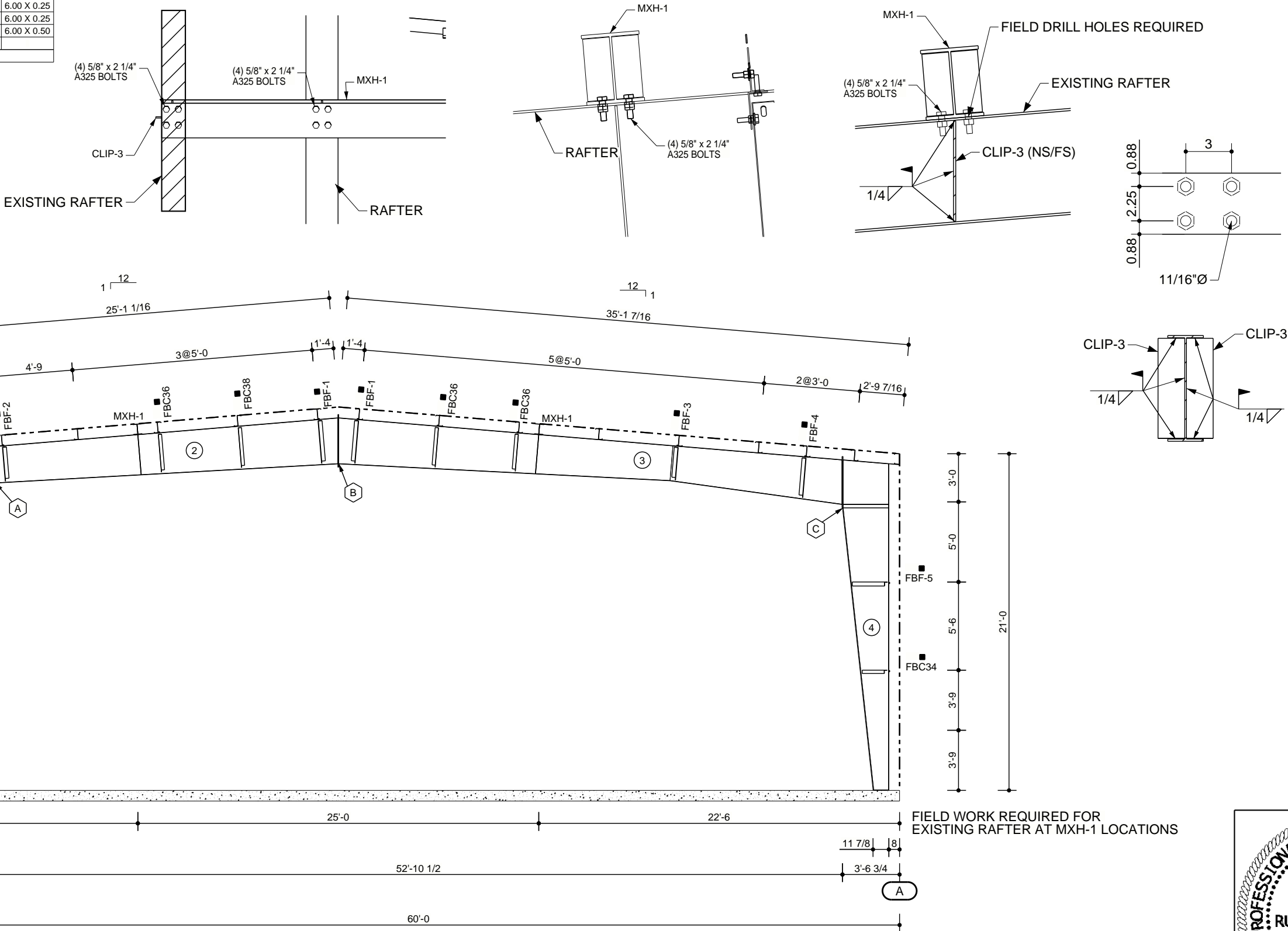
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MEMBER SIZE TABLE						
ASSEMBLY NAME	OUTSIDE FLANGE	WEB THICK	WEB LENGTH	STARTING WEB DEPTH	ENDING WEB DEPTH	INSIDE FLANGE
1	6.00 X 0.25	0.164	227.00	11.12	34.00	6.00 X 0.50
		0.188	29.74	34.00	34.00	
2	6.00 X 0.25	0.164	259.51	27.01	33.99	6.00 X 0.25
3	6.00 X 0.25	0.164	129.68	32.98	26.00	6.00 X 0.25
		0.164	250.87	26.00	33.99	6.00 X 0.25
4	6.00 X 0.25	0.164	211.11	11.12	34.00	6.00 X 0.50
		0.188	35.76	34.00	34.00	

NOTE: UNITS ARE DECIMAL INCH.

SPLICE BOLT TABLE					
SPLICE	BOLTS DESCRIPTION	BOLT #	NUT #	CLEAR TO F.F.	PLATE SIZE
A	(8) 5/8" X 2 1/4" A325	H0610	H0310	19'-1 15/16	6" X 1/2
B	(8) 5/8" X 2 1/4" A325	H0610	H0310	20'-1 15/16	6" X 3/8
C	(12) 5/8" X 2 1/4" A325	H0610	H0310	17'-10"	6" X 1/2



FRAME CROSS SECTION GENERAL NOTES

FN1: FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHAKEOUT PLAN.
FN2: (2) INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME.
FN3: IF (2) IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.

FN4: FOR EXPANDABLE ENDWALL RIGID FRAMES, IF FLANGE BRACING IS REQUIRED ON BOTH SIDES (2) OF AN EXPANDABLE END FRAME, THE OPPOSITE SIDE FLANGE BRACE WILL HAVE TO BE INSTALLED AT THE TIME OF EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.

FN5: *** INDICATES THE LONG SIDE OF THE INTERIOR COLUMNS. COLUMNS AT THE RIDGE ARE TYPICALLY "FLAT-TOP" COLUMNS, UNLESS INDICATED BY THE *** SYMBOL.

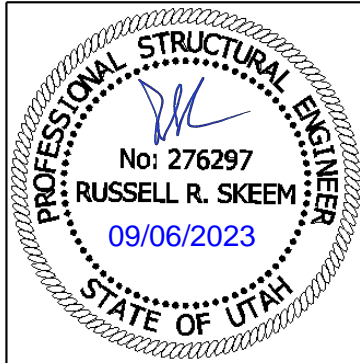
FN6: RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.

FN7: "■" INDICATES FBL01 AND FBN01 CLIPS ARE REQUIRED. REFERENCE FLANGE BRACE DETAILS.

FN8: THE METAL TAG IS WELDED TO THE LONG SIDE OF PIPE & TUBE COLUMNS.

FN9: "##" WITHIN THE SPLICE BOLT TABLE UNDER NUT AND WASHER INDICATES THAT THE NUT AND WASHER ARE PART OF THE TENSION CONTROL BOLT ASSEMBLY SUPPLIED.

GN1: REQUIRED DETAILS ARE NOT ALWAYS CALLED OUT ON THE PLAN/ELEVATION. ALL DETAILS AND INFO ON THE D & SD PAGES SHOULD BE REVIEWED PRIOR TO INSTALLATION.



JOB NUMBER U23G0499A	ADDRESS 6184 W 9790 S St. George, Co. Washington UT ***	PROJECT NAME Hangar Addition EWO	BUYER NAME Advanced Steel Buildings Sys	DRAWING STATUS FOR APPROVAL ONLY	SHEET E2	#	RELEASE / REVISION	DWN / CHK	ENG	DATE
							0	CONST. AB PLAN	RRS	07/19/2023
						1	FOR BDR REVIEW	TKL / JKM	RRS	09/08/2023
						2	APPROVAL	TKL / JKM	RRS	09/08/2023



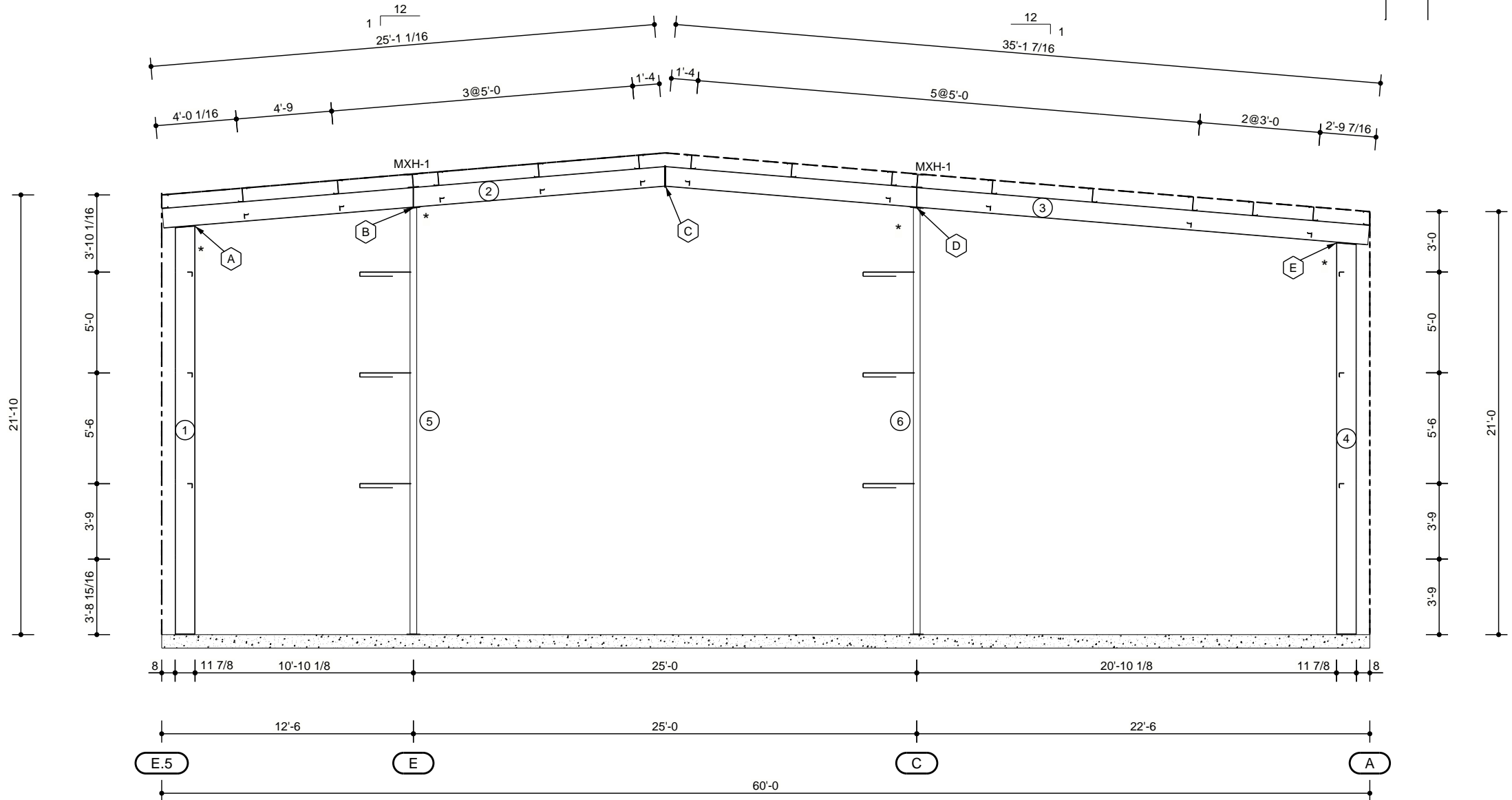
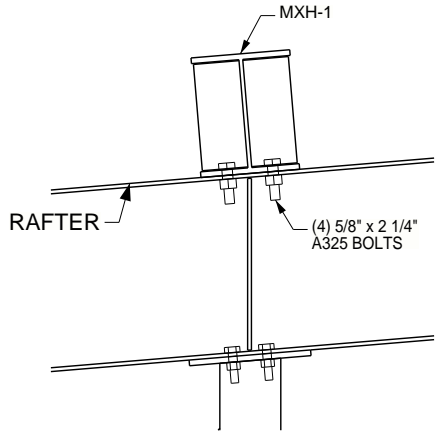
09/06/2023 12:19:31pm

DRAWING TITLE
CROSS SECTION AT LINE 3

MEMBER SIZE TABLE						
ASSEMBLY NAME	OUTSIDE FLANGE	WEB THICK	WEB LENGTH	STARTING WEB DEPTH	ENDING WEB DEPTH	INSIDE FLANGE
1	---	---	---	W12X14	---	---
2	---	---	---	W12X14	---	---
3	---	---	---	W12X14	---	---
4	---	---	---	W12X14	---	---
5	---	---	---	W12X14	---	---
6	---	---	---	W12X14	---	---

NOTE: UNITS ARE DECIMAL INCH.

SPLICE BOLT TABLE					
SPLICE	BOLTS DESCRIPTION	BOLT #	NUT #	CLEAR TO F.F.	PLATE SIZE
A	(4) 1/2" X 2" A325	H0603	H0300	20'-2 3/8	8" X 3/8
B	(4) 1/2" X 2" A325	H0603	H0300	21'-1 7/8	8" X 3/8
C	(4) 1/2" X 2" A325	H0603	H0300	22'-2 7/16	5" X 3/8
D	(4) 1/2" X 2" A325	H0603	H0300	21'-1 7/8	8" X 3/8
E	(4) 1/2" X 2" A325	H0603	H0300	19'-4 3/8	8" X 3/8



FRAME CROSS SECTION GENERAL NOTES

FN1: FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHAKEOUT PLAN.
FN2: (2) INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME.
FN3: IF (2) IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.

FN4: FOR EXPANDABLE ENDWALL RIGID FRAMES, IF FLANGE BRACING IS REQUIRED ON BOTH SIDES (2) OF AN EXPANDABLE END FRAME, THE OPPOSITE SIDE FLANGE BRACE WILL HAVE TO BE INSTALLED AT THE TIME OF EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.

FN5: *** INDICATES THE LONG SIDE OF THE INTERIOR COLUMNS. COLUMNS AT THE RIDGE ARE TYPICALLY "FLAT-TOP" COLUMNS, UNLESS INDICATED BY THE *** SYMBOL.

FN6: RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.

FN7: "■" INDICATES FBL01 AND FBN01 CLIPS ARE REQUIRED. REFERENCE FLANGE BRACE DETAILS.

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FN9: "##" WITHIN THE SPLICE BOLT TABLE UNDER NUT AND WASHER INDICATES THAT THE NUT AND WASHER ARE PART OF THE TENSION CONTROL BOLT ASSEMBLY SUPPLIED.

GN1: REQUIRED DETAILS ARE NOT ALWAYS CALLED OUT ON THE PLAN/ELEVATION. ALL DETAILS AND INFO ON THE D & SD PAGES SHOULD BE REVIEWED PRIOR TO INSTALLATION.



MBMA
MEMBER

IAS
ACCREDITED
Manufacturing Systems
ALZ

CWB
CERTIFIED
CSA W47.1

NUCOR
BUILDING SYSTEMS

PHONE: (435) 919-3100
FAX: (435) 919-3101

CSA
CERTIFIED
CSA A660

JOB NUMBER
U23G0499A

ADDRESS
6184 W 9790 S
St. George, Co. Washington UT ***

PROJECT NAME
Hangar Addition EWO

BUYER NAME
Advanced Steel Buildings Sys

DRAWING STATUS
FOR APPROVAL ONLY

SHEET
E3

RELEASE / REVISION

DWN / CHK

ENG

DATE

#

0

CONST. AB PLAN

RRS

RRS

07/19/2023

1

FOR BDR REVIEW

TKL / JKM

RRS

09/08/2023

2

APPROVAL

TKL / JKM

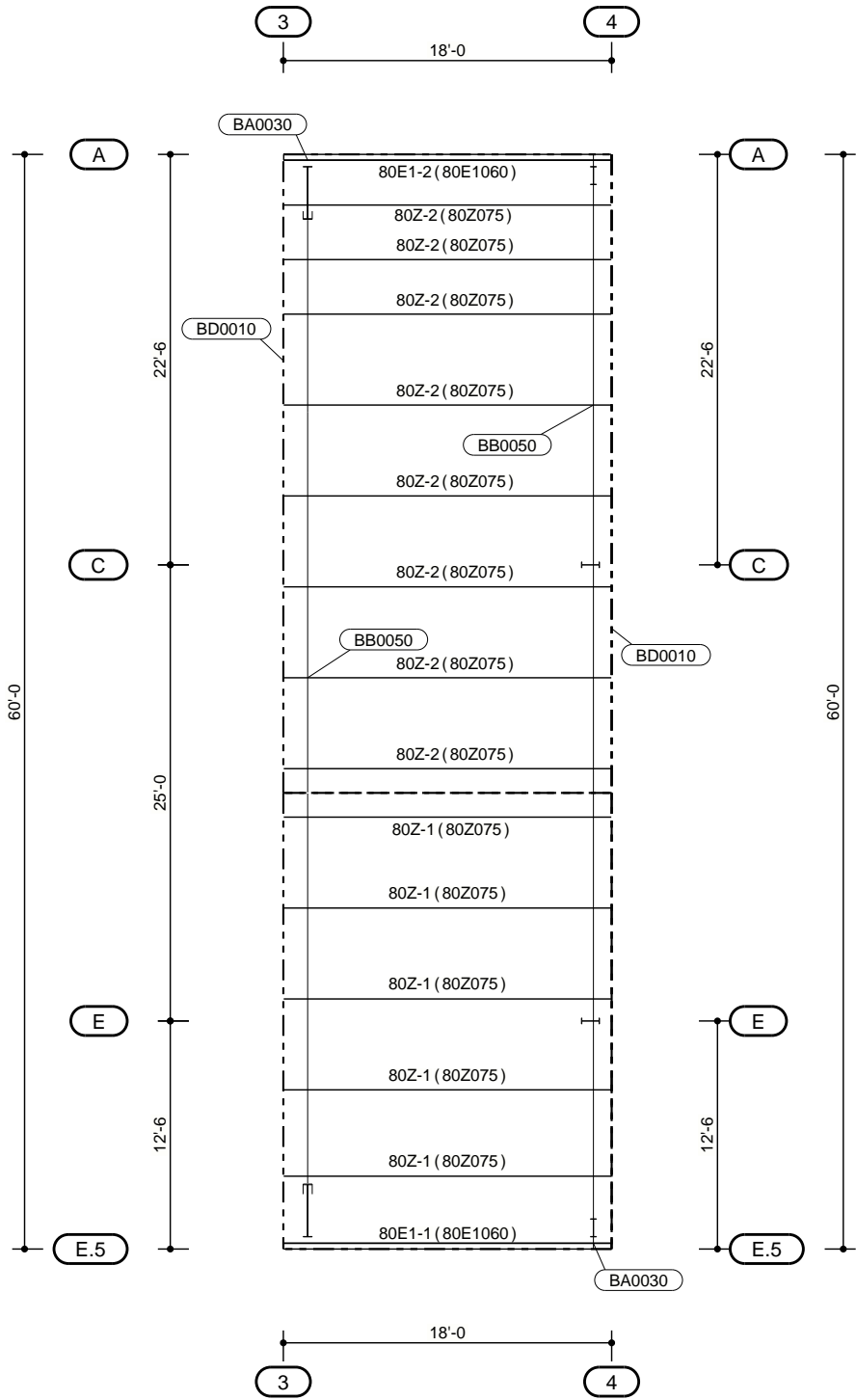
RRS

09/08/2023

DRAWING TITLE
CROSS SECTION AT LINE 4

09/06/2023 12:19:33pm

RD=ROD BRACING CA=CABLE BRACING	
CODE	DIAMETER
02	1/4"
03	3/8"
04	1/2"
05	5/8"
06	3/4"
07	7/8"
08	1"
09	1 1/8"
10	1 1/4"



ROOF SECONDARY GENERAL NOTES

RN1: PURLIN AND EAVE STRUT BOLT CONN. REQUIREMENTS: A307 & A325 BOLTS ARE USED
REFER TO DETAILS FOR SPECIFIC LOCATIONS.
RN2: SEE CROSS SECTIONS FOR MAIN FRAME FLANGE BRACING.

RN3: ▼ INDICATES NESTED PURLIN. SEE DETAIL BM.
GN1: REQUIRED DETAILS ARE NOT ALWAYS CALLED OUT ON THE PLAN/ELEVATION.
ALL DETAILS AND INFO ON THE D & SD PAGES SHOULD BE REVIEWED PRIOR TO INSTALLATION.



MBMA

MEMBER

NUCOR

BUILDING SYSTEMS

PHONE: (435) 919-3100

FAX: (435) 919-3101

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MEMBER

ALZ

CERTIFIED

CSA W47.1

CERTIFIED

CSA A66

CERTIFIED

CSA SBI

JOB NUMBER

U23G0499A

ADDRESS

6184 W 9790 S

St. George, Co. Washington UT ***

PROJECT NAME

Hangar Addition EWO

BUYER NAME

Advanced Steel Buildings Sys

DRAWING STATUS

FOR APPROVAL ONLY

DATE

07/19/2023

ENG

RRS

DWN / CHK

NBS / EOP

RELEASE / REVISION

0 CONST. AB PLAN

DATE

09/08/2023

ENG

RRS

DWN / CHK

TKL / JKM

FOR BDR REVIEW

1

APPROVAL

2

DRAWING TITLE

ROOF FRAMING PLAN

DATE

09/06/2023

TIME

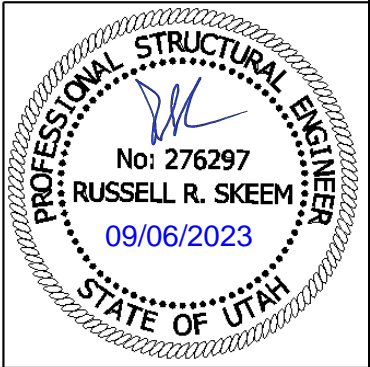
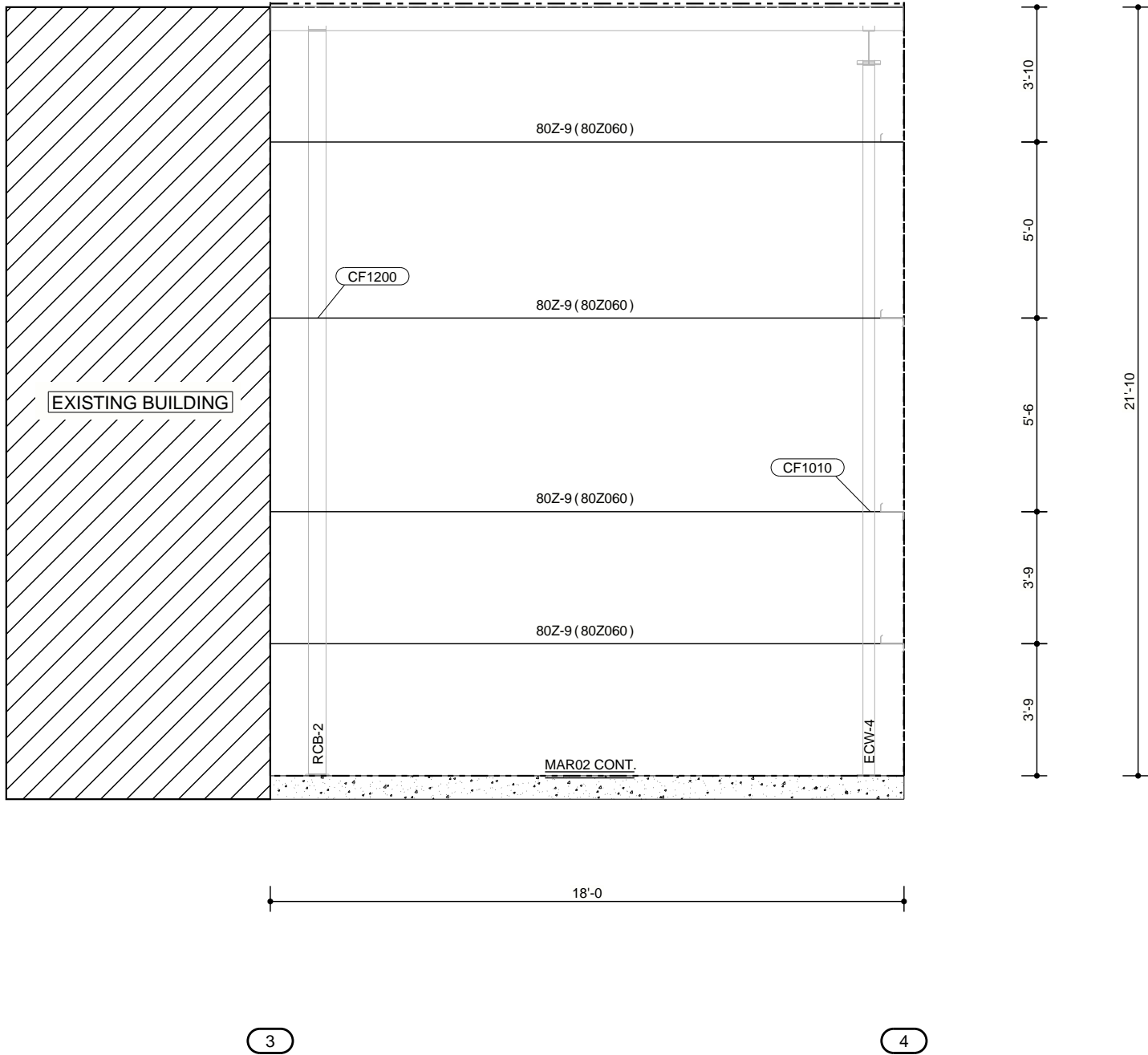
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WALL FRAMING GENERAL NOTES

WN1: SEE CROSS SECTION FOR MAIN FRAME FLANGE BRACING.
WN2: SEE WALL FRAMING DETAILS FOR STANDARD GIRT ORIENTATION DETAIL.
WN3: RD_ INDICATES ROD BRACING. SEE PRIMARY DETAILS FOR ROD BRACING ASSEMBLY.

WN4: CA_ INDICATES CABLE BRACING. SEE PRIMARY DETAILS FOR CABLE BRACING ASSEMBLY.
WN5: CUT AND DRILL GIRTS AS NECESSARY FOR FIELD LOCATED FRAMED OPENINGS.
WN6: AT FLUSH OR INSET GIRT CONDITIONS, FIELD SLOT GIRT WEBS TO ALLOW PASSAGE OF ROD BRACING. SEE PRIMARY DETAILS FOR GUIDELINES.

WN7: DETAIL NUMBERS LISTED ABOVE EACH LINE ARE TYP AT THAT FRAME LINE U.N.O.
WN8: ▼ INDICATES NESTED GIRT. SEE DETAIL CM.
GN1: REQUIRED DETAILS ARE NOT ALWAYS CALLED OUT ON THE PLAN/ELEVATION.
ALL DETAILS AND INFO ON THE D & SD PAGES SHOULD BE REVIEWED PRIOR TO INSTALLATION.



JOB NUMBER U23G0499A	ADDRESS 6184 W 9790 S St. George, Co. Washington UT ***	NUCOR BUILDING SYSTEMS	MBMA MEMBER	
PROJECT NAME Hangar Addition EWO	BUYER NAME Advanced Steel Buildings Sys	PHONE: (435) 919-3100 FAX: (435) 919-3101	IAS ACCREDITED Manufacturing Systems AZZ	
DRAWING STATUS FOR APPROVAL ONLY	DRAWING TITLE Wall Framing at Line E.5	CSB CERTIFIED CSA 4660	CSA CERTIFIED CSA 467.1	
#	RELEASE / REVISION	DWN / CHK	ENG	DATE
0	CONST. AB PLAN	NBS / EOP	RRS	07/19/2023
1	FOR BDR REVIEW	TKL / JKM	RRS	09/08/2023
2	APPROVAL	TKL / JKM	RRS	09/08/2023

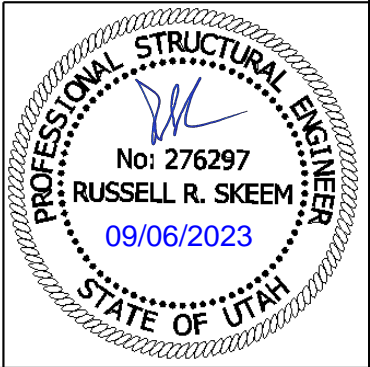
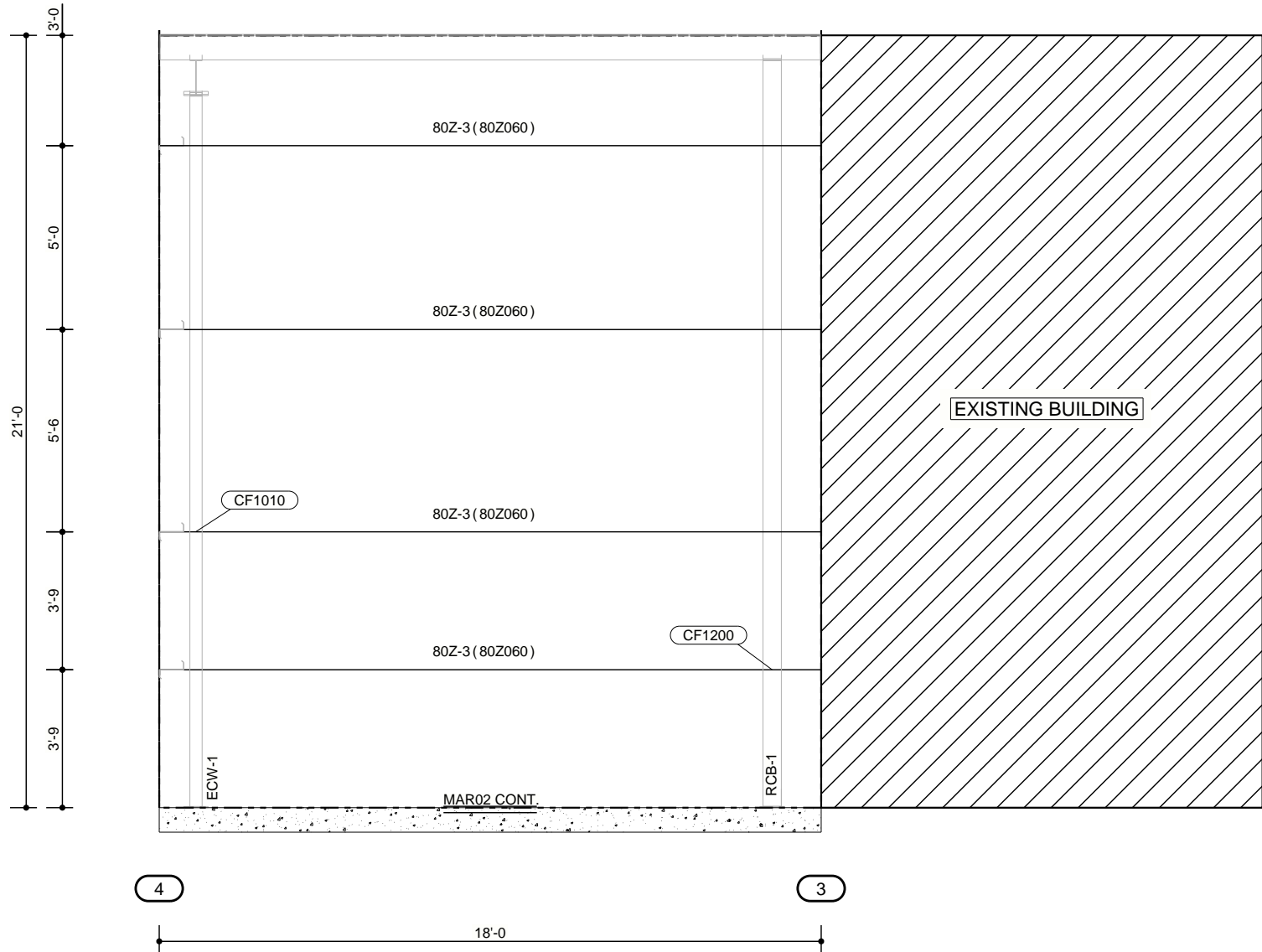
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WALL FRAMING GENERAL NOTES

WN1: SEE CROSS SECTION FOR MAIN FRAME FLANGE BRACING.
WN2: SEE WALL FRAMING DETAILS FOR STANDARD GIRT ORIENTATION DETAIL.
WN3: RD_ INDICATES ROD BRACING. SEE PRIMARY DETAILS FOR ROD BRACING ASSEMBLY.

WN4: CA_ INDICATES CABLE BRACING. SEE PRIMARY DETAILS FOR CABLE BRACING ASSEMBLY.
WN5: CUT AND DRILL GIRTS AS NECESSARY FOR FIELD LOCATED FRAMED OPENINGS.
WN6: AT FLUSH OR INSET GIRT CONDITIONS, FIELD SLOT GIRT WEBS TO ALLOW PASSAGE OF ROD BRACING. SEE PRIMARY DETAILS FOR GUIDELINES.

WN7: DETAIL NUMBERS LISTED ABOVE EACH LINE ARE TYP AT THAT FRAME LINE U.N.O.
WN8: ▼ INDICATES NESTED GIRT. SEE DETAIL CM.
GN1: REQUIRED DETAILS ARE NOT ALWAYS CALLED OUT ON THE PLAN/ELEVATION.
ALL DETAILS AND INFO ON THE D & SD PAGES SHOULD BE REVIEWED PRIOR TO INSTALLATION.

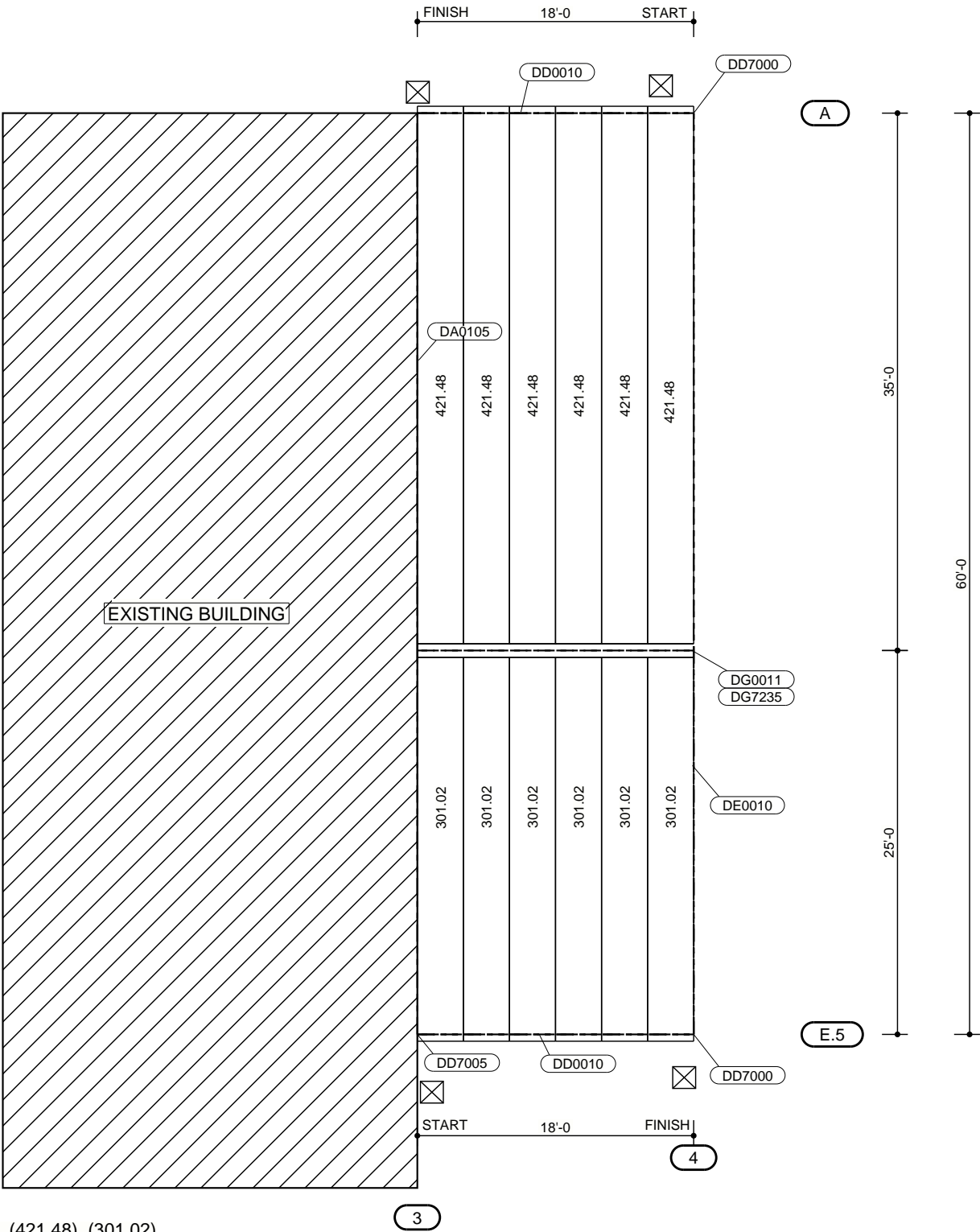


JOB NUMBER U23G0499A	ADDRESS 6184 W 9790 S St. George, Co. Washington UT ***
PROJECT NAME Hangar Addition EWO	PHONE: (435) 919-3100 FAX: (435) 919-3101
BUYER NAME Advanced Steel Buildings Sys	CSSEB CERTIFIED CSA 4086
DRAWING STATUS FOR APPROVAL ONLY	MBMA MEMBER
SHEET E7	IAS ACCREDITED Manufacturing Systems AZZ CERTIFIED CSA 407.1
DATE 07/19/2023	09/06/2023 12:19:40pm
ENG RRS	
DWN / CHK NBS / EOP	
REVISION 0 CONST. AB PLAN	
REVISION 1 FOR BDR REVIEW	
REVISION 2 APPROVAL	
DRAWING TITLE Wall Framing at Line A	

PANEL PLANE ID				
PLANE NAME	PANEL TYPE	PLANE ID#	COLOR	DETAILS
R02	RPR26	1013	PW	A00040, DA0000, DA0001, DA0002
R01	RPR26	1014	PW	A00040, DA0000, DA0001, DA0002

DOWNSPOUT SCHEDULE				
BUILDING ID	MAXIMUM SPACING	QTY PER LOCATION	LOCATIONS	GRID LINE
ADDITION	50 FT.	2	2	A / E.5

☒ INDICATES 4" x 5" DOWNSPOUT. SEE ABOVE FOR REQUIREMENTS.
4" x 5" x 10'-0" CORRUGATED DOWNSPOUT = MK. DSC121
SEE DETAIL GA0130



ROOF SHEETING GENERAL NOTES

GSN1: PRE-DRILLING MAY BE REQUIRED WHEN FASTENING TO HOT-ROLL, NESTED, LAPPED, OR HEAVY GAUGE MEMBERS.

GSN2: THERMAL BLOCKS AND FOAM CLOSURES MAY NOT BE PROVIDED UNLESS SPECIFIED IN THE ORDER DOCUMENTS OR OTHERWISE REQUIRED.

GN1: REQUIRED DETAILS ARE NOT ALWAYS CALLED OUT ON THE PLAN/ELEVATION. ALL DETAILS AND INFO ON THE D & SD PAGES SHOULD BE REVIEWED PRIOR TO INSTALLATION.



MBMA

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Manufacturing Systems

ALZ

CWB

CERTIFIED

CSA W47.1

NUCOR

BUILDING SYSTEMS

PHONE: (435) 919-3100

FAX: (435) 919-3101

CESBI

CERTIFIED

CSA A888

JOB NUMBER

U23G0499A

ADDRESS

6184 W 9790 S

St. George, Co. Washington UT ***

PROJECT NAME

Hangar Addition EWO

BUYER NAME

Advanced Steel Buildings Sys

DRAWING STATUS

FOR APPROVAL ONLY

SHEET

E8

DATE

07/19/2023

ENG

RRS

DWN / CHK

NBS / EOP

REVISION

0

CONST. AB PLAN

1

FOR BDR REVIEW

2

APPROVAL

DATE

09/08/2023

ENG

RRS

TKL / JKM

TKL / JKM

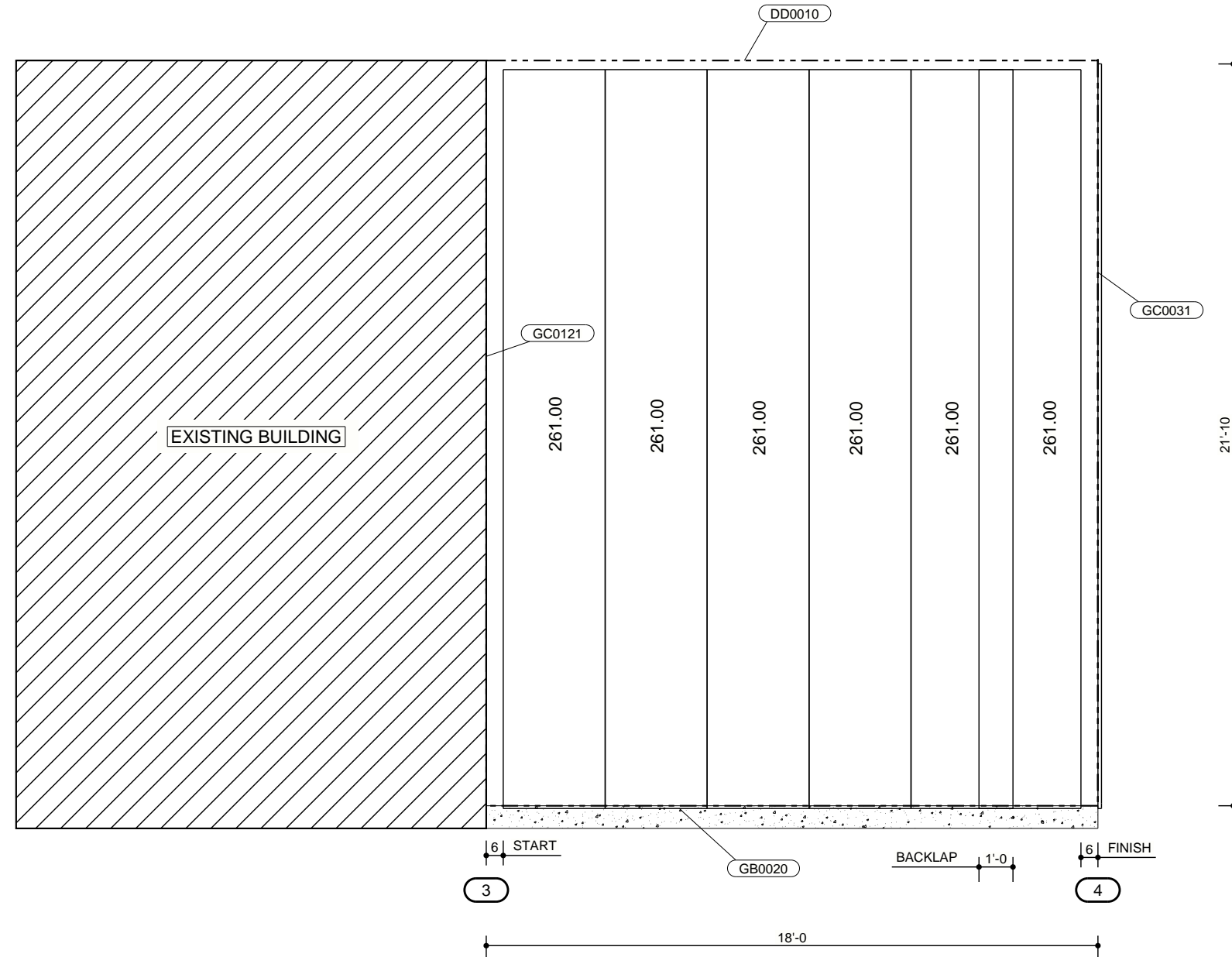
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






















Roof Sheeting Plan

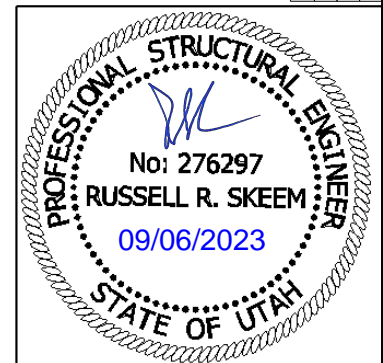
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PANEL PLANE ID				
PLANE NAME	PANEL TYPE	PLANE ID#	COLOR	DETAILS
W03	RRW26	1015	PW	A00050, GA0000, A00100, GA0030



	JOB NUMBER	ADDRESS		     		 		 		 		 		 		 		 		 		 		 		 		 																																																										
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WALL SHEETING GENERAL NOTES

GSN1: PRE-DRILLING MAY BE REQUIRED WHEN FASTENING TO HOT-ROLL, NESTED, LAPPED, OR HEAVY GAUGE MEMBERS.

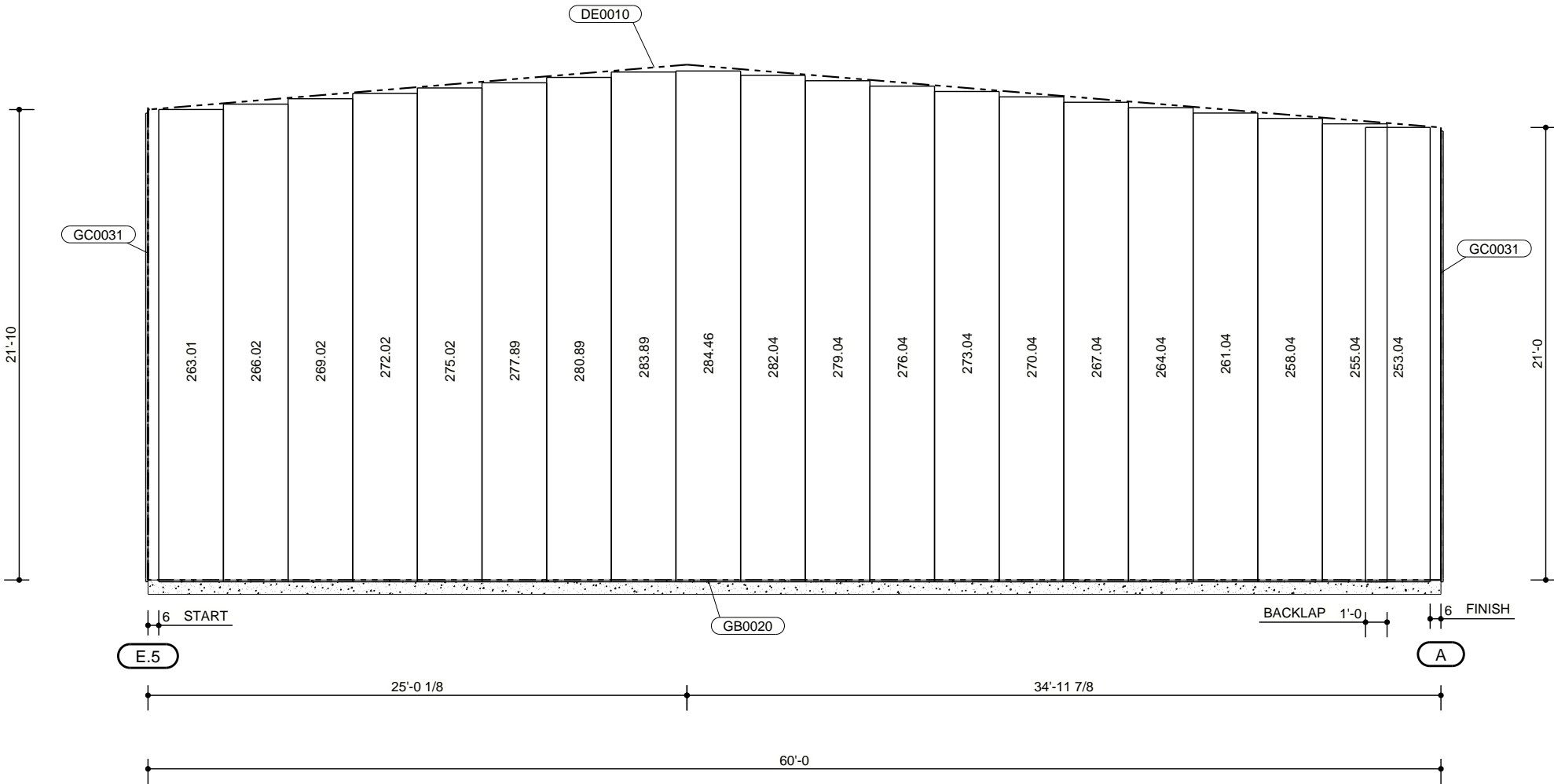
GSN2: THERMAL BLOCKS AND FOAM CLOSURES MAY NOT BE PROVIDED UNLESS SPECIFIED IN THE ORDER DOCUMENTS OR OTHERWISE REQUIRED.

GN1: REQUIRED DETAILS ARE NOT ALWAYS CALLED OUT ON THE PLAN/ELEVATION.
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WALL SHEETING GENERAL NOTES
GSN1: PRE-DRILLING MAY BE REQUIRED WHEN FASTENING TO HOT-ROLL, NESTED, LAPPED, OR HEAVY GAUGE MEMBERS.

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PANEL PLANE ID				
PLANE NAME	PANEL TYPE	PLANE ID#	COLOR	DETAILS
W02	RRW26	1016	PW	A00050, GA0000, A00100, GA0030

JOB NUMBER U23G0499A		ADDRESS 6184 W 9790 S St. George, Co. Washington UT ***		PROJECT NAME Hangar Addition EWO		BUYER NAME Advanced Steel Buildings Sys		DRAWING STATUS FOR APPROVAL ONLY		SHEET E10		DRAWING TITLE Wall Sheeting at Line 4		DATE 09/08/2023		TIME 12:19:46pm	
RELEASE / REVISION		DWN / CHK		ENG		DATE		#		CONST. AB PLAN		FOR BDR REVIEW		APPROVAL			
0		NBS / EOP		RRS		07/19/2023											
1		TKL / JKM		RRS		09/08/2023											
2		TKL / JKM		RRS		09/08/2023											

