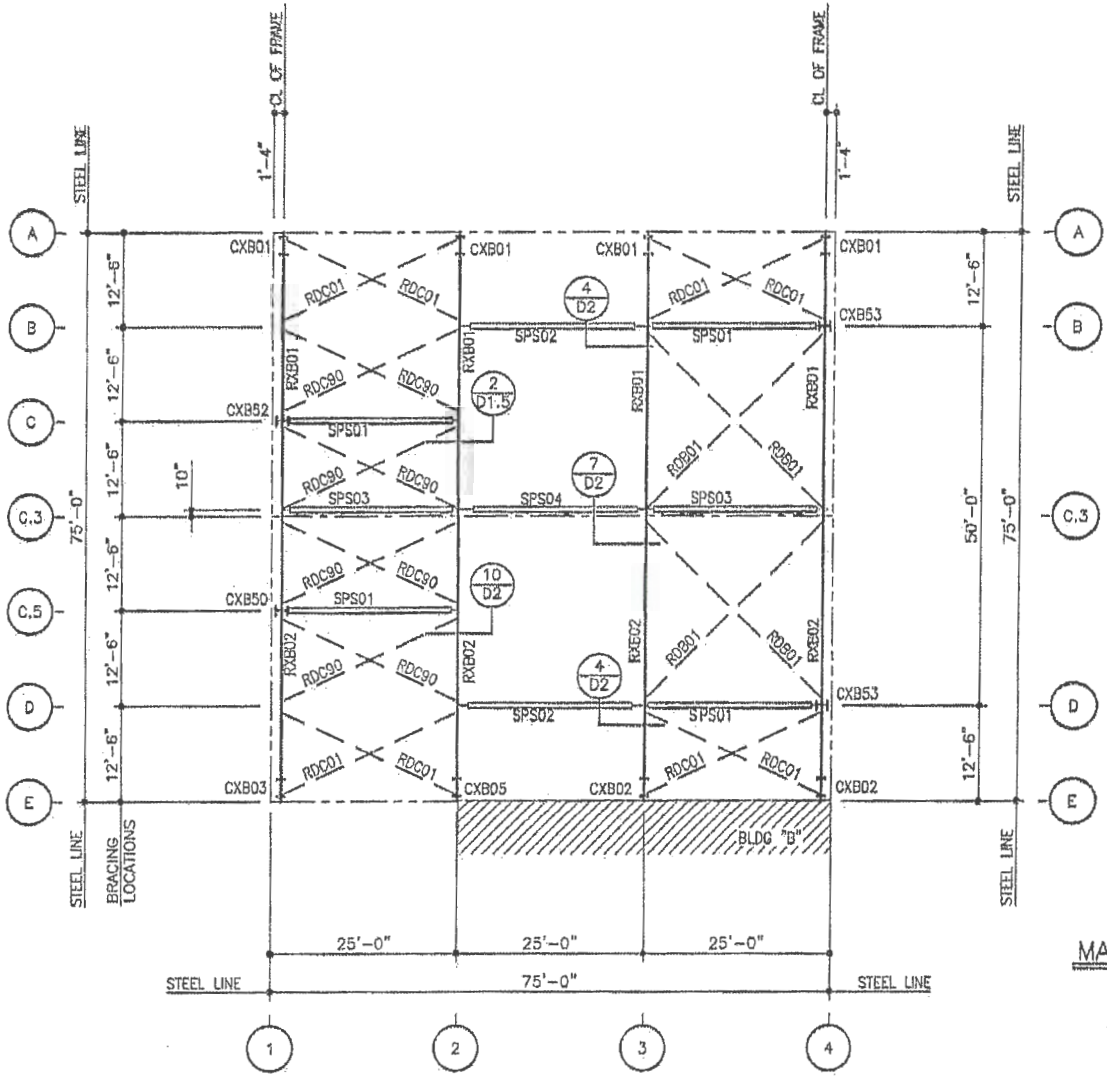


BRACING LOCATIONS

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 1 0 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

MARK NUMBER AND BRACING PLAN (BLDG 1)

1) PLACE TAGGED END OF RAFTERS TOWARD THE LOW EAVE.

2) ROD-BRACING; SEE SHEET D1 FOR DETAIL
   RDB__ - INDICATES 5/8" ø ROD
   RDC__ - INDICATES 3/4" ø ROD

3) SPS__ INDICATES (P8.134) MATERIAL PIPE STRUT.

REVISIONS	DWN.	CHK.	ENG.	P.E.	DATE
ISSUE	XXX	AOH	JB	JEJ	12/14/07
FOR CONSTRUCTION	AOH	DKS	JB	JEJ	01/02/08
REVISED FOR CONSTRUCTION	DKS	AOH	JB		6/19/08

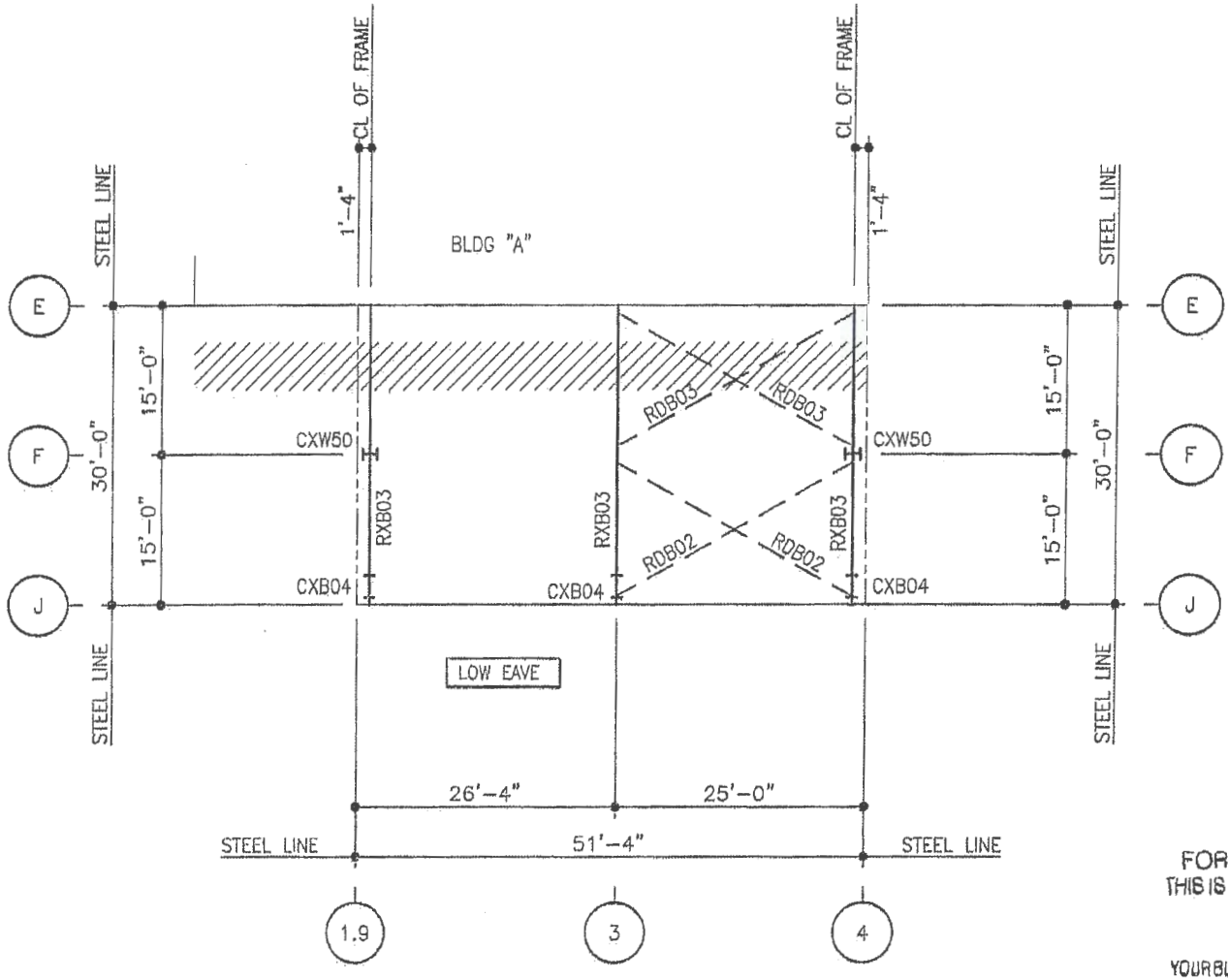
NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHITSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
EDGEMOOR, SC

JOB NUMBER: S07H0828A

SHEET NO.: E4 of 20

THE STEEL PRODUCTS SHOWN ON THIS DRAWING ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE WORK PRODUCT ARE THE PROPERTY OF NUCOR BUILDING SYSTEMS. THE PROPRIETARY PROFESSIONAL ENGINEER WORK PRODUCT ON THESE DRAWINGS IS PROVIDED BY NUCOR BUILDING SYSTEMS AND DOES NOT REPRESENT A SEAL OF THE PROJECT DESIGNER ENGINEER AND BUILDING OFFICIALS MUST REVIEW AND BUILD



FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED,
NO CHANGES CAN BE MADE.

MARK NUMBER AND BRACING PLAN (BLDG.2)

1) PLACE TAGGED END OF RAFTERS TOWARD THE LOW EAVE.

2) ROD-BRACING: SEE SHEET D1 FOR DETAIL
RDB___ – INDICATES 5/8" ø ROD

ISSUE	LDWN	CHK	DWG	P.E.	DATE
FORMES	XXX	ABB	BB	JJT	12/14/07
FWR. DIRECTION		ABB	DKS	BB	01/03/08
REVISED FWR. ERECTION		DKS	BJH	JJT	6/10/08

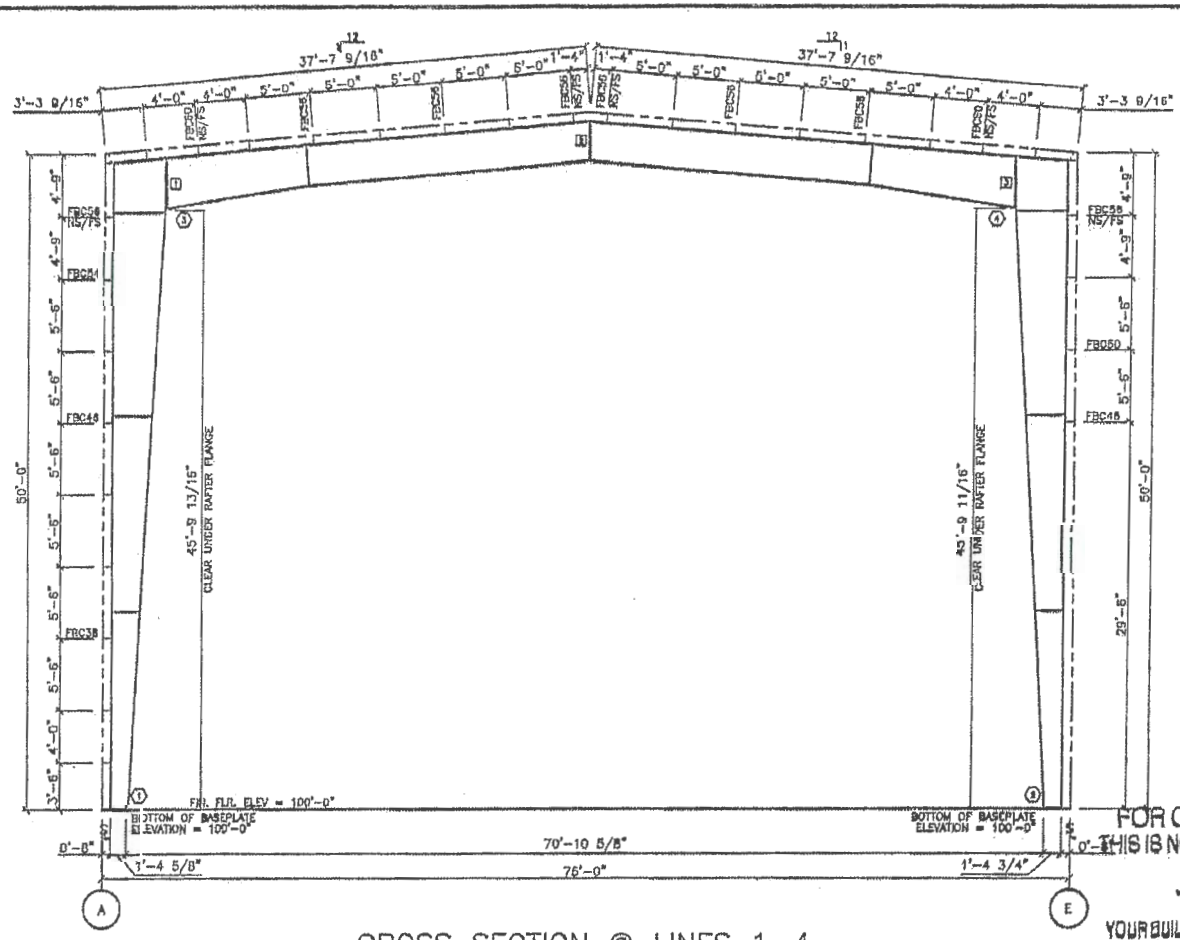
NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E5 of 20

THIS STUDY PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE TOTAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT OWNER'S AGENT OR REVIEW AND SHALL NOT BE CONSTRUED AS SUCH.



CROSS SECTION @ LINES 1-4

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

MARK ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	OUTSIDE FLANGE LENGTH	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	INSIDE FLANGE LENGTH	MEMBER WEB DEPTH1	MEMBER WEB THICK	MEMBER WEB LENGTH	MEMBER WEB DEPTH2
1	8.00	0.50	8.00	0.63	8.00	0.31	581.94	8.00	0.31	180.25	18.00	0.18	170.94	26.41
								8.00	0.31	150.20	26.44	0.18	179.94	38.94
								8.00	0.31	108.63	36.94	0.23	186.31	48.00
											48.00	0.25	45.75	48.00
2	12.00	0.50	12.00	0.50	12.00	0.38	547.89	12.00	0.38	547.89	18.00	0.18	170.94	26.41
											26.44	0.18	179.94	36.94
											36.94	0.23	186.88	48.00
											48.00	0.25	43.00	48.00
3	8.00	0.63	8.00	0.50	8.00	0.25	483.31	8.00	0.31	135.38	16.00	0.25	131.38	36.00
								8.00	0.31	258.94	36.00	0.20	241.74	38.00
4	8.00	0.63	8.00	0.50	8.00	0.25	483.38	8.00	0.31	133.06	16.00	0.25	131.38	36.00
								8.00	0.25	259.00	38.00	0.20	252.00	38.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E4 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS. FBD___ INDICATES FLANGE BRACING LOCATIONS ON JOIST ROOFS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE. NOTE FOR EXPANDABLE ENDWALL RIGID FRAMES: IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE ENDFRAME, 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.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) "*" INDICATES THE LONG SIDE OF THE INTERIOR COLUMNS. IF THE INTERIOR COLUMNS ARE REQUIRED, ORIENT AND ERECT THOSE COLUMNS ACCORDINGLY.

NOTE: COLUMNS LOCATED AT THE RIDGE ARE TYPICALLY "FLAT-TOP" COLUMNS, UNLESS INDICATED BY THE "*" SYMBOL.

6) 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.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NUT PART#
1	8	BOLT/NUT 1" x 3 1/4" A325	HDE50	HDN50
2	8	BOLT/NUT 5/8" x 2 1/4" A325	HDB10	HDN10
3	[illegible]	BOLT/NUT 3/4" x 2 3/4" A325	HDB30	HDN30
4	[illegible]			

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

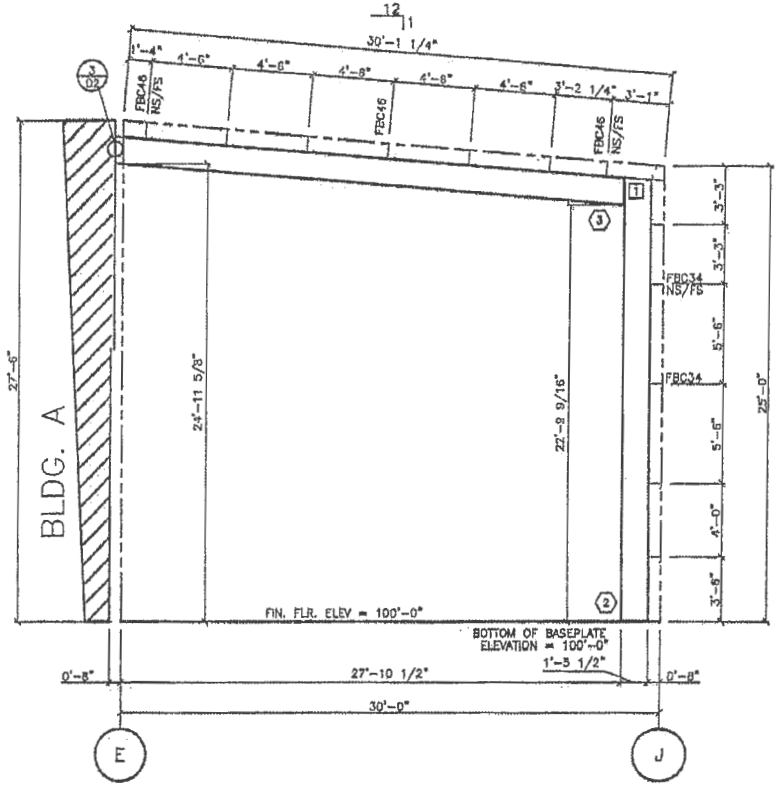
REVISIONS	DRWN	CHK	ENG	P.E.	DATE
FINAL ERECTION	XXX	ABH	KB	JCJ	12/13/07
REVISED FINAL ERECTION	ABH	DKS	KB	JCJ	01/25/08
	DKS	ABH	DSB		6/10/08

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E6 of 20

THIS SEAL REFERS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION, THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE NEWTSTEEL PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



CROSS SECTION @ LINES 1.9-4

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 1 0 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	OUTSIDE FLANGE LENGTH	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	INSIDE FLANGE LENGTH	MEMBER WEB DEPTH1	MEMBER WEB THICK	MEMBER WEB LENGTH	MEMBER WEB DEPTH2
1	8.00	0.38	8.00	0.38	8.00	0.25	32.81	5.00	0.25	11.00	12.00	0.13	32.81	0.00
2	8.00	0.38	8.00	0.38	8.00	0.25	270.84	8.00	0.25	270.84	12.00	0.13	270.84	0.00
3	8.00	0.38	8.00	0.38	8.00	0.25	314.13	8.00	0.25	314.13	18.00	0.15	314.13	18.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E5 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS. FBD___ INDICATES FLANGE BRACING LOCATIONS ON JOIST ROOFS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE. NOTE FOR EXPANDABLE ENDWALL RIGID FRAMES: IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE ENDFRAME, 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.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) "*" INDICATES THE LONG SIDE OF THE INTERIOR COLUMNS. IF THE INTERIOR COLUMNS ARE REQUIRED, ORIENT AND ERECT THOSE COLUMNS ACCORDINGLY.

NOTE: COLUMNS LOCATED AT THE RIDGE ARE TYPICALLY "FLAT-TOP" COLUMNS, UNLESS INDICATED BY THE "*" SYMBOL.

6) 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.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NUT PART#
1	6	BOLT/NUT 5/8" x 2 1/4" A325	H0810	H0310

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	KKK	ADH	JB	JET	12/14/07
FINAL ERECTION	ADH	DAS	JB	JET	01/03/08
REVISED FINAL ERECTION	DAS	ADH	JB		6/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE SC

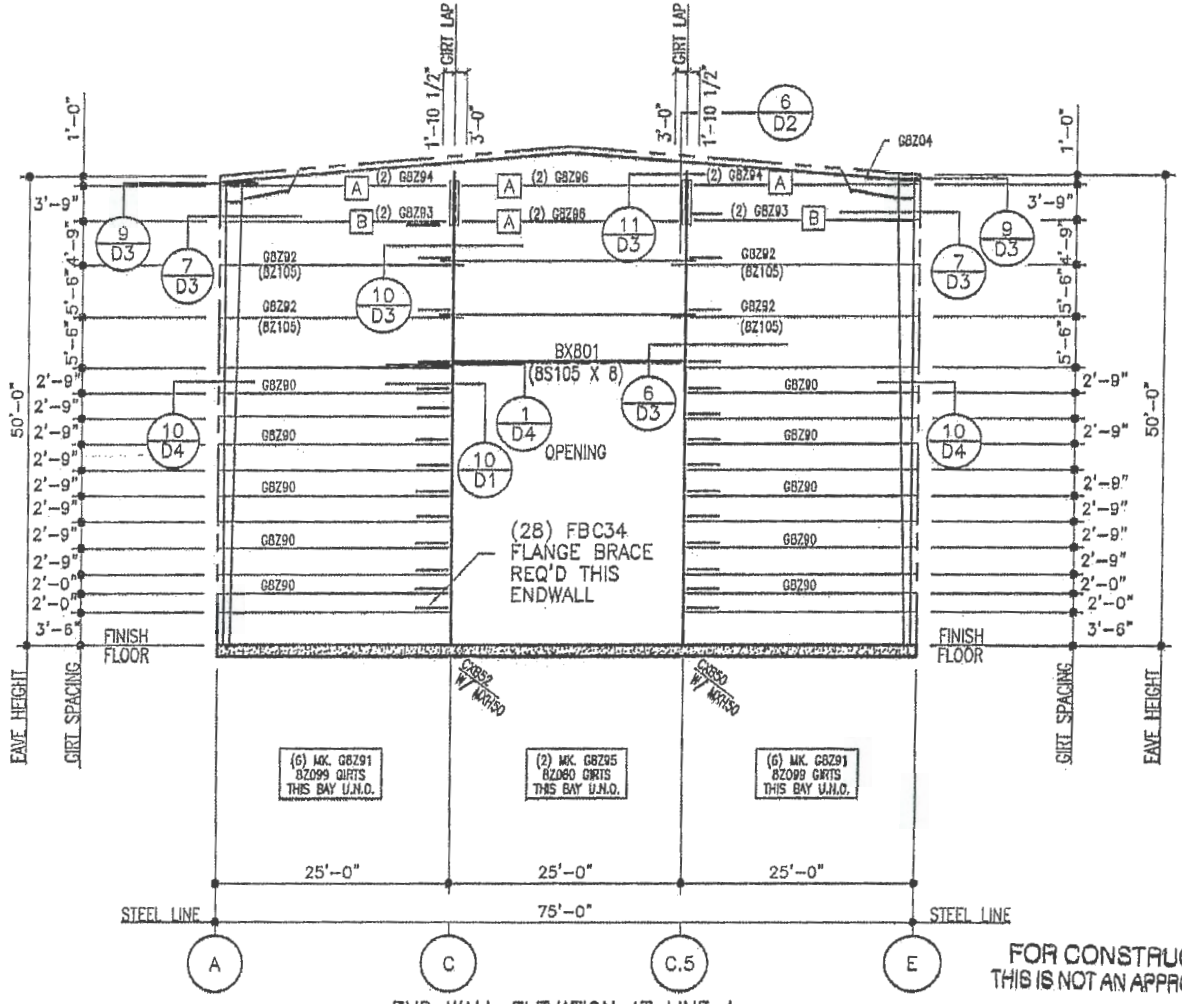
JOB NUMBER: S07H0828A

SHEET NO: E7 of 20

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE META BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

NESTED GIRT SCHEDULE

I.D. LETTER	SIZE	FOR DETAIL SEE--
A	2-(8Z099)	5/D4
B	2-(8Z099)	5/D4



END WALL ELEVATION AT LINE 1

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 1 0 2008

YOUR BUILDING IS BEING FABRICATED, NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	XXX	ADR	IB	JET	12/14/07
FINAL ERECTION	ADR	DRS	IB	JET	01/03/08
REVISED FINAL ERECTION	BAS	ATH	JK		8/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

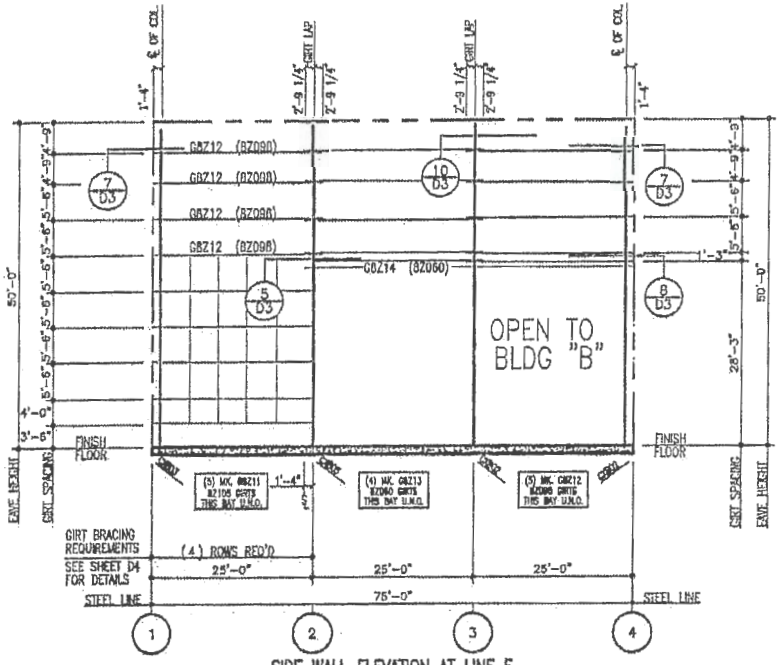
PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

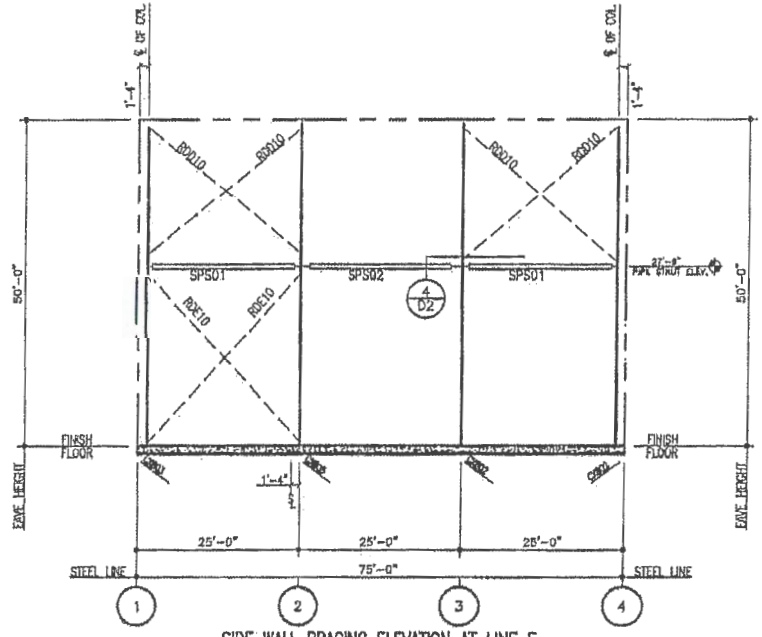
JOB NUMBER: S07H0828A

SHEET NO: E8 of 20

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORDS AND SHALL NOT BE CONSTRUED AS SUCH.



SIDE WALL ELEVATION AT LINE E



SIDE WALL BRACING ELEVATION AT LINE E

1) RDD INDICATES 7/8" DIA ROD BRACING. SEE SHEET D1 FOR DETAIL.
2) RDE INDICATES 1" DIA ROD BRACING. SEE SHEET D1 FOR DETAIL. DOUBLE ROD BRACING W/ CLEVIS CONNECTION. SEE SHEET D1 FOR DETAIL.
3) SPS___ INDICATES (6 5/8" X .134) PIPE STRUT.

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 1 0 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	DNG	P.E.	DATE
PERMITS	XXX	XXH	XB	JET	12/14/07
FINAL ERECTION	AXH	DKS	XB	JET	01/03/08
REVISED FINAL ERECTION	DKS	XXH	JB		6/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD

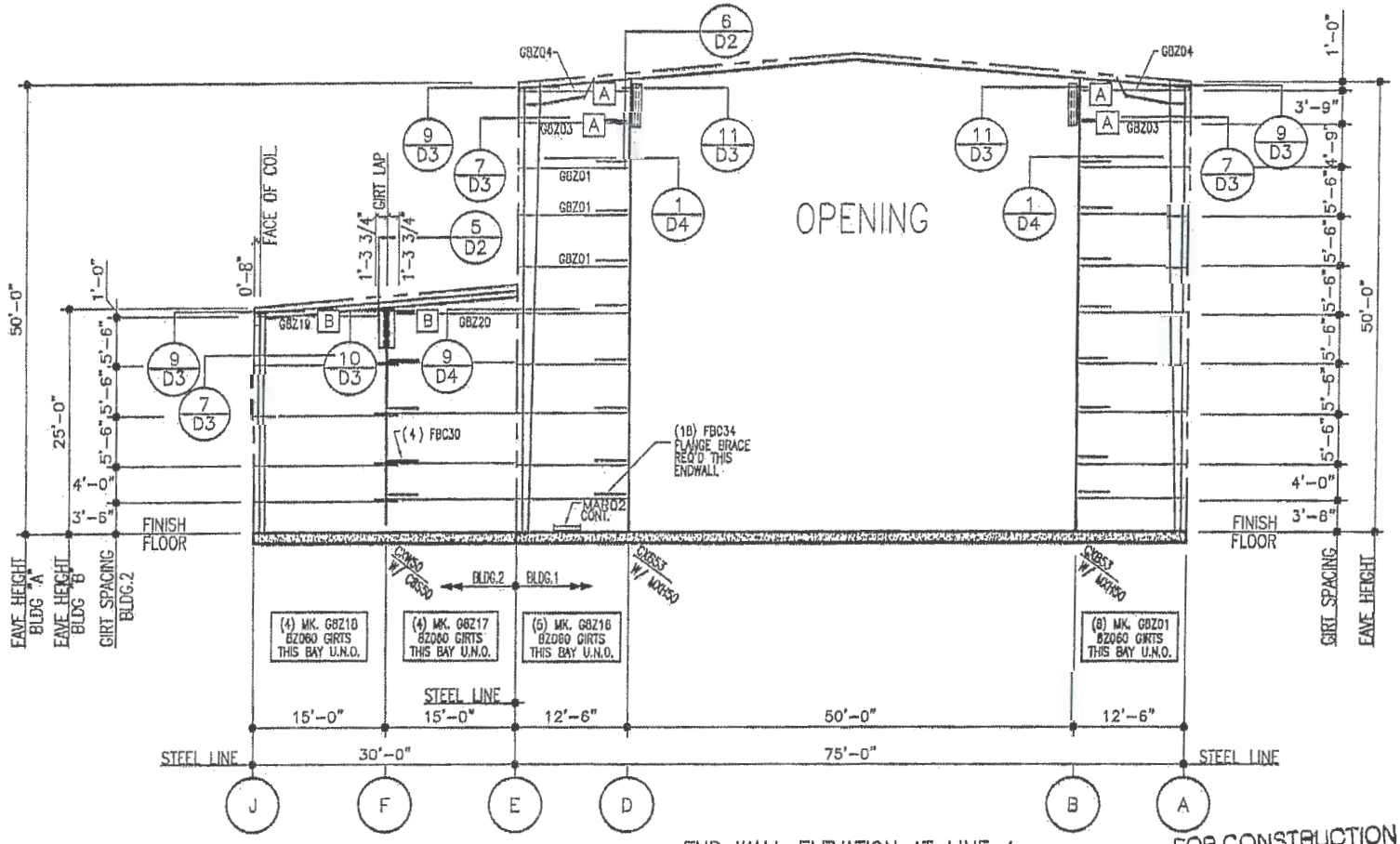
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E9 of 20

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

NESTED GIRT SCHEDULE		
I.D. LETTER	SIZE	FOR DETAIL SEE---
(A)	3-(8Z070)	7/D4
(B)	3-(8Z060)	8/D4



END WALL ELEVATION AT LINE 4

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

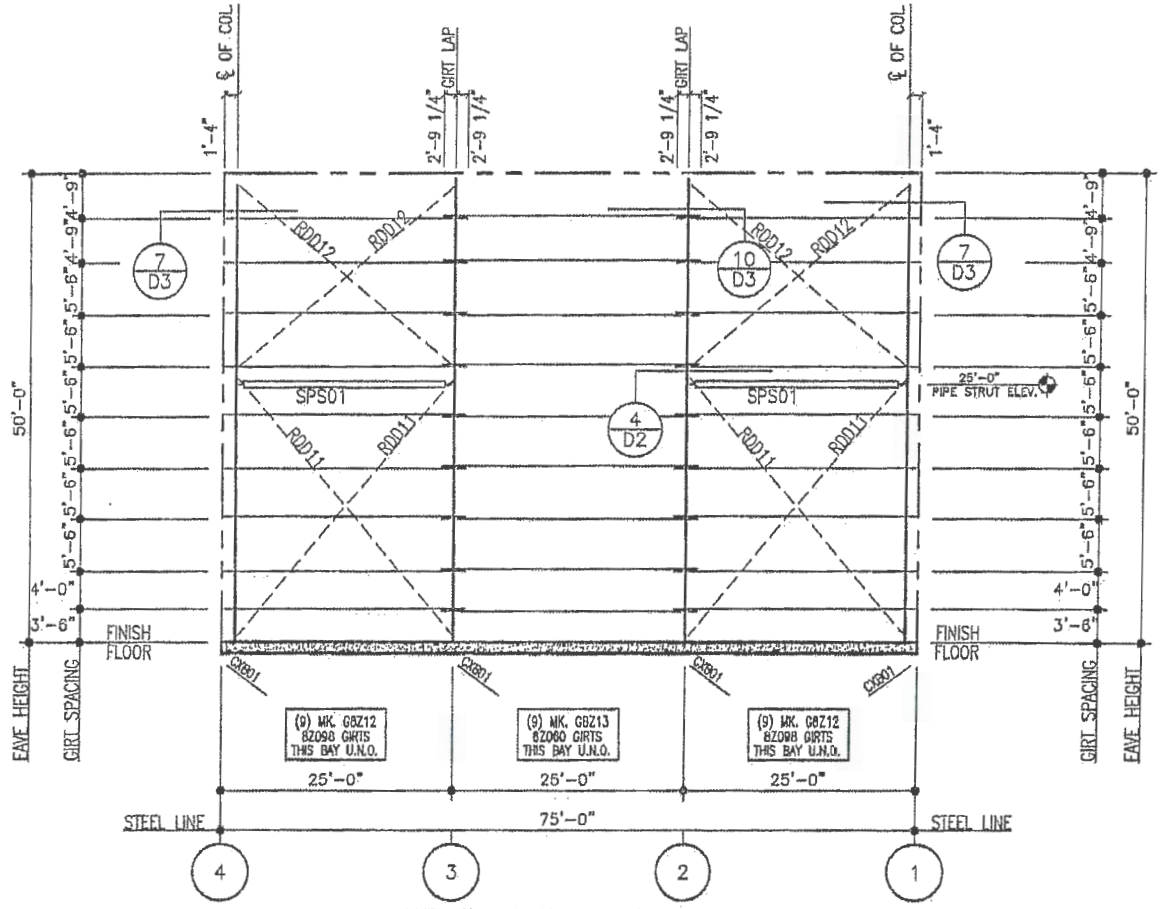
PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
DESIGNER: AUGUSTA FIBERGLASS BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E10 of 20

ISSUE	DRWN	CHK	GHC	P.E.	DATE
FOR PERMITS					
FINAL EREECTION					
REVISED FINAL ERECTION	DMS	AWR	DMS	JB	JET	01/02/08
						8/10/08

THE SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS FOR THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE NUMBERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SIGN, AS OR REPRESENT THE PROJECT OWNER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



SIDE WALL ELEVATION AT LINE A

1) RDD INDICATES 7/8" DIA ROD BRACING. SEE SHEET D1 FOR DETAIL.
2) SPS___ INDICATES (6 5/8" X .134) PIPE STRUT.

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 1 0 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	XXX	ADH	JB	JET	12/14/07
FINAL ERECTION	ADH	DAS	JB	JET	01/03/08
REVISED FINAL ERECTION	DAS	ADH	JB		8/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

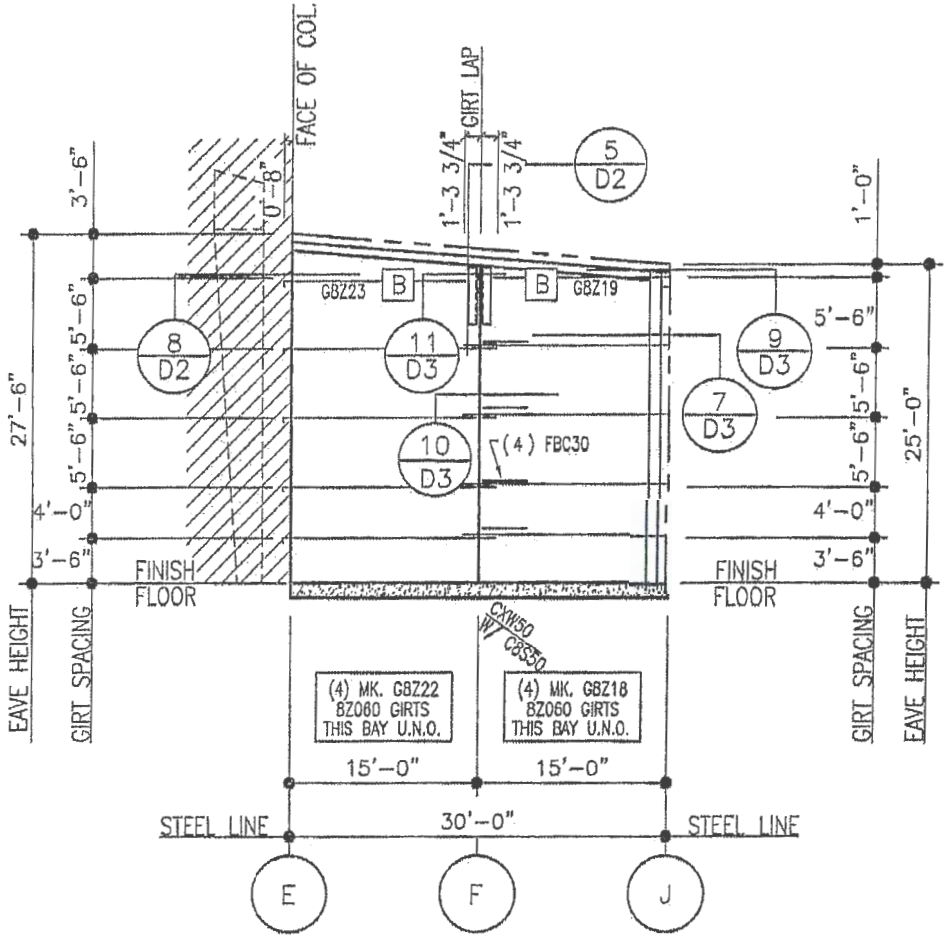
SHEET NO: E11 of 20

STATE OF MARYLAND
PROFESSIONAL ENGINEER

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

NESTED GIRT SCHEDULE

I.D. LETTER	SIZE	FOR DETAIL SEE---
(B)	2-(8Z060)	5/D4



END WALL ELEVATION AT LINE 1.9

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	CHD	P.E.	DATE
FOR REVIEW	XXX	AMM	BB	JET	12/14/07
FINAL ERECTION	ADH	DKS	JB	JET	01/03/08
REVISED FINAL ERECTION	DKS	AMM	JB		8/18/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

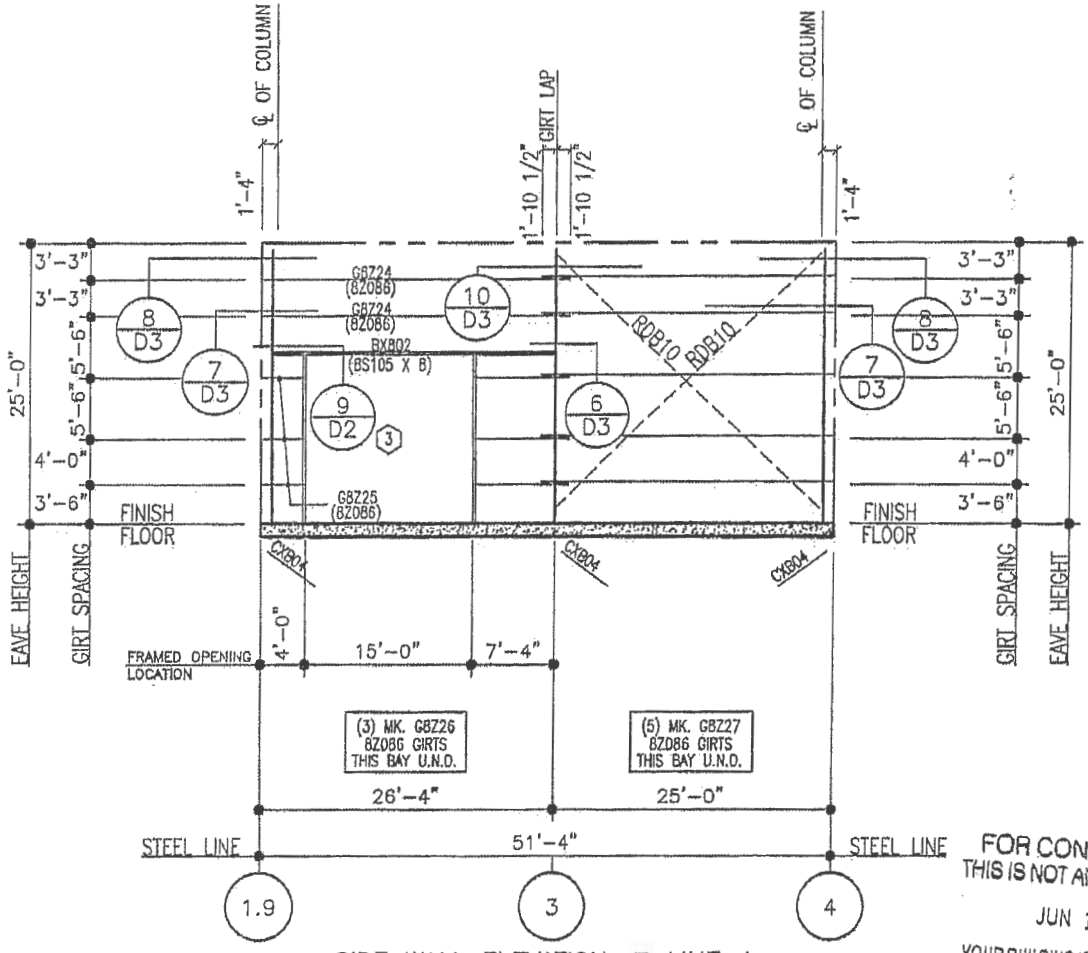
JOB NUMBER: S07H0828A

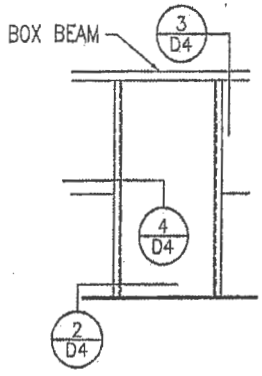
SHEET NO: E12 of 20

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS. DIVISION OF NUCOR CORPORATION, THE DRAWINGS AND THE NEW BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE NEWBURG PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT BEEN AS OR REPRESENT THE PROJECT AS ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

FRAMED OPENING SCHEDULE

I.D. NUMBER	QTY	SIZE WIDTH	SIZE HEIGHT	MARK NUMBER / MATERIAL JAMB	HEADER	SILL	WINDOW/LOUVER SILL HEIGHT	TYPE
(3)	1	15'-0"	15'-0"	JBC01 (8C105)	SEE ELEVATION	N/A	N/A	ROLL UP DOOR





TYPICAL FRAMED OPENING U.N.O.
15'-0" X 15'-0" ROLL UP DOOR

SIDE WALL ELEVATION AT LINE J

1) RDB INDICATES 5/8" DIA ROD BRACING. SEE SHEET D1 FOR DETAIL.
2) FRAMED OPENING JAMBS = 8C105 , HEADER = 8S105 X 8 BOX BEAM.

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.
JUN 10 2008
YOUR BUILDING IS BEING FABRICATED. NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	XXX	ADH	IB	JET	12/14/07
FINAL ERECTION	ADH	DKS	IB	JET	01/03/08
REVISED FINAL ERECTION	DKS	ADH	JET		6/10/08

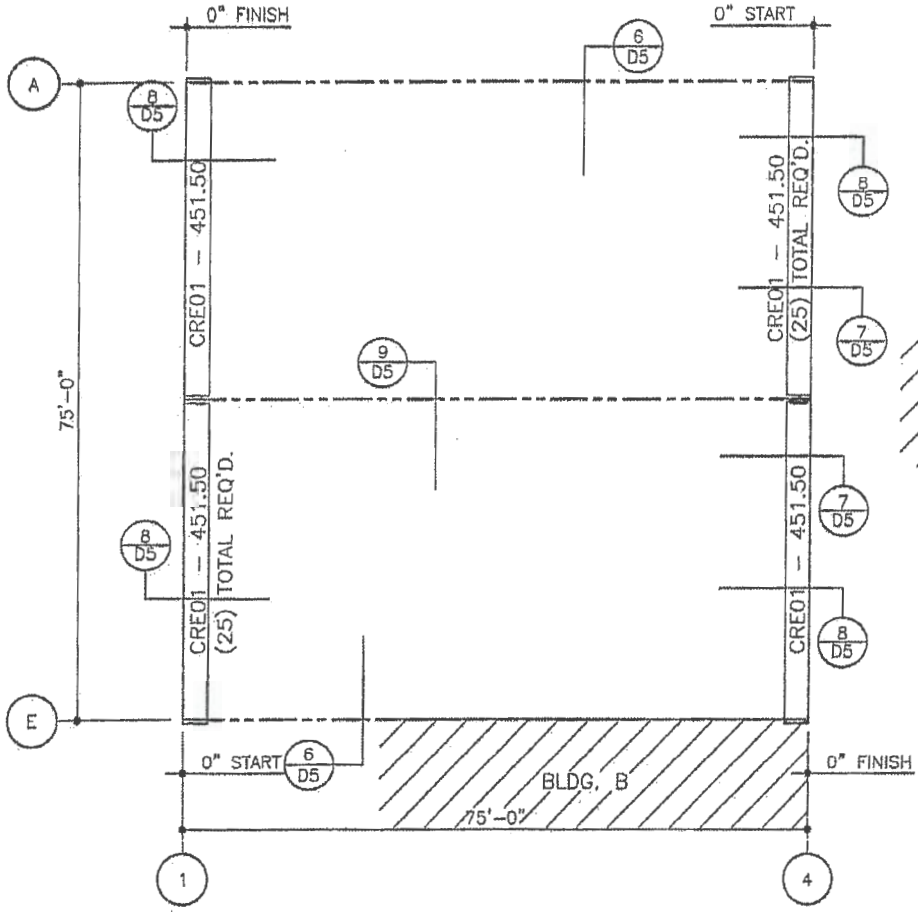
NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

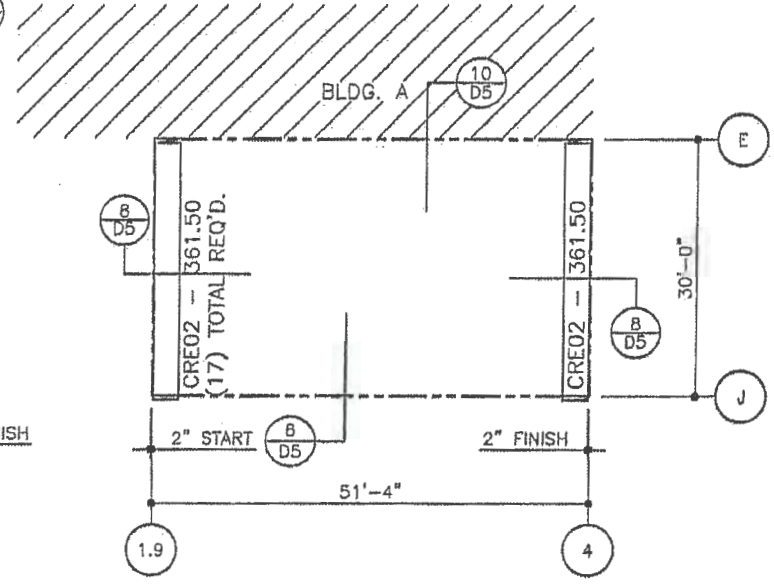
JOB NUMBER: S07H0828A

SHEET NO: E13 of 20

THIS SEAL PERTAINS ONLY TO THE MATERIALS ORDERED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



ROOF SHEETING PLAN
BLDG. A



ROOF SHEETING PLAN
BLDG. B

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED
NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	XXX	AVB	BB	JET	12/14/07
FINAL ERECTION	ADH	DHG	BB	JET	01/11/08
REVISED FINAL ERECTION	DAS	ADH	DJS		9/10/08

NUCOR
BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

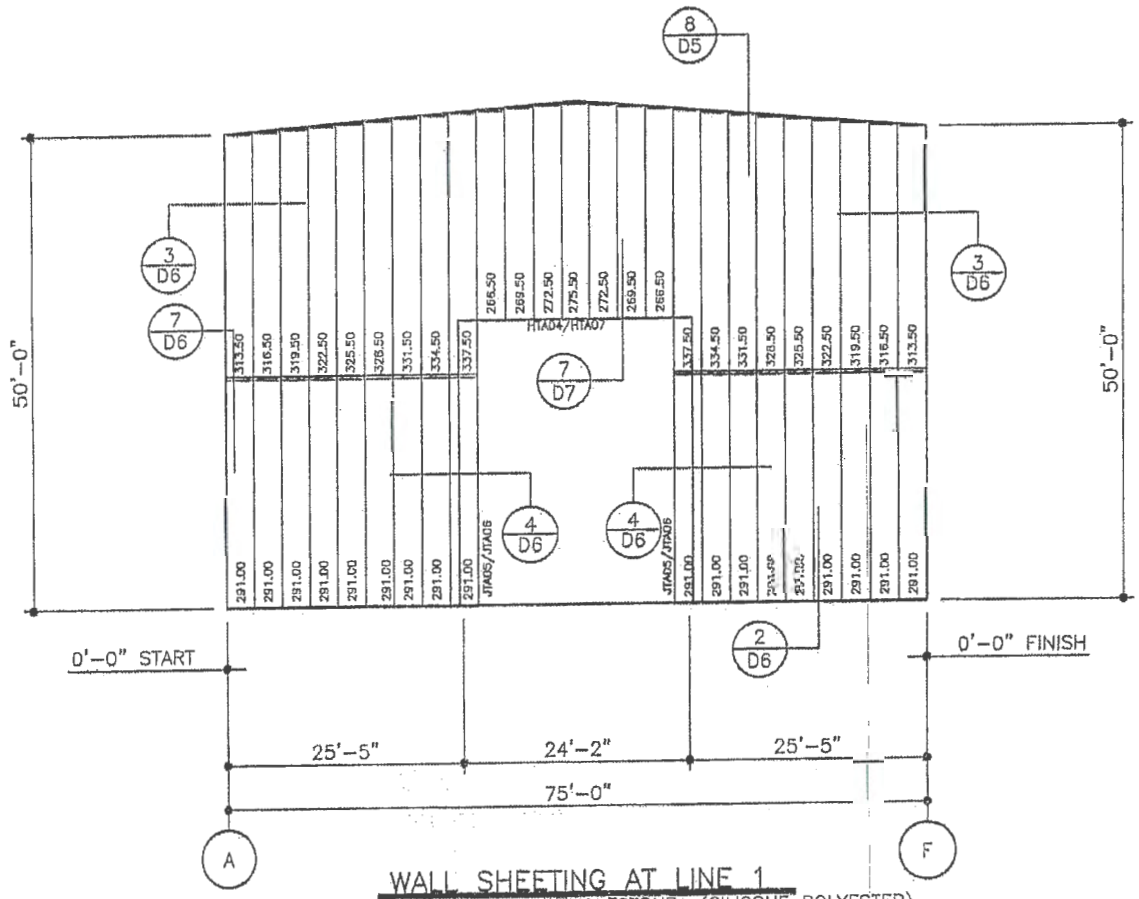
PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E14 of 20

STATE OF MARYLAND
PROFESSIONAL ENGINEER
1-10-09

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSIDERED AS SUCH.



WALL SHEETING AT LINE 1

PANELS: 26 GA. CLASSIC WALL – LIGHTSTONE (SILICONE POLYESTER)
FIELD WORK AS REQ'D

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	XXX	ABH	JB	JET	12/14/07
FINAL EXECUTION	ADH	DNS	JB	JET	01/03/08
REVISED FINAL EXECUTION	DNS	ADH	JB		8/18/08

NUCOR
BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD

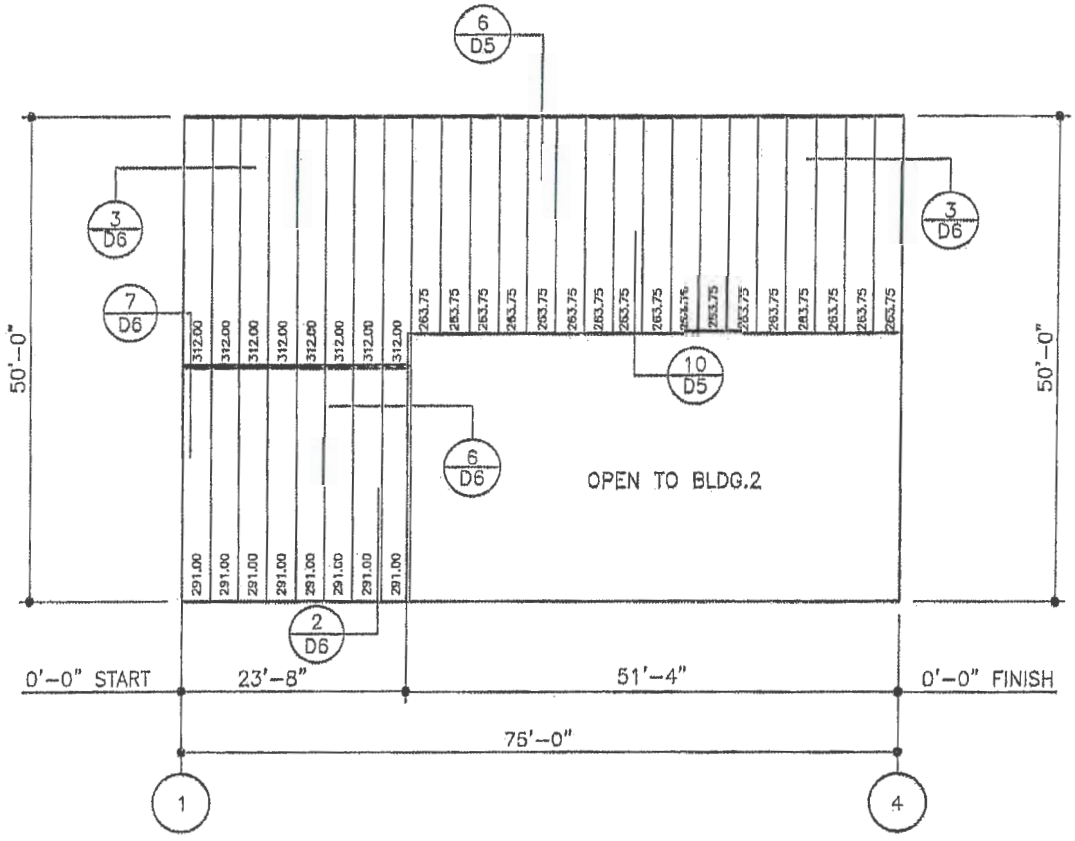
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H082BA

SHEET NO: E15 of 20

STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSIDERED AS SUCH.



WALL SHEETING AT LINE G

PANELS: 26 GA. CLASSIC WALL – LIGHTSTONE (SILICONE POLYESTER)
FIELD WORK PANELS AS REQUIRED

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DRWN	CHK	CHD	P.E.	DATE
PERMITS	EXX	AGH	B	JCT	12/14/07
FINAL EXECUTION	ACH	DKS	B	JCT	01/02/08
REVISED FINAL EXECUTION	DKS	AGH	LTC		6/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1066, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

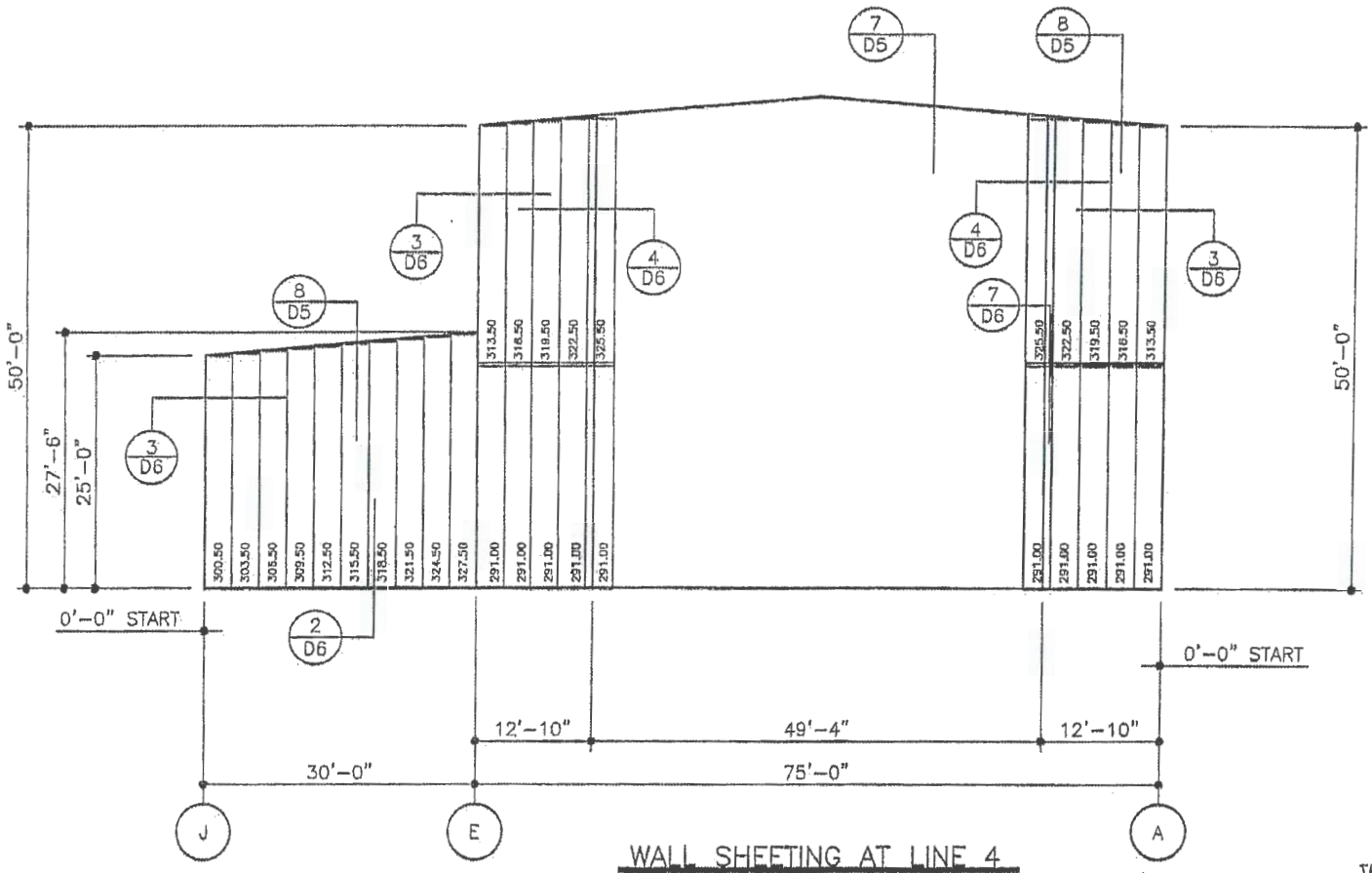
JOB NUMBER: S07H0828A

SHEET NO: E16 of 20

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS, INC. NONSTANDARD NON-STANDARD DRAWINGS WHERE SEAL APPEARS ON THESE DRAWINGS IS EXPLICITLY BY NUCOR BUILDING SYSTEMS AND DOES NOT SEAL AS OR REPRESENT THE PROPER DRAWINGS OF RIGGING AND WALL SYSTEMS CONTRACTED AS NUCOR.

FRAMED OPENING SCHEDULE

ID NUMBER	QTY	SIZE WIDTH	SIZE HEIGHT	TRIM REQUIREMENTS JAMB TRIM	TRIM REQUIREMENTS HEAD TRIM	TRIM REQUIREMENTS SILL TRIM	COVER TRIM REQ'MENTS JAMB TRIM	COVER TRIM REQ'MENTS HEAD TRIM
2	1	50'-0"	53'-0"	JTA03/06	N/A	N/A	CCA01/04	N/A



WALL SHEETING AT LINE 4

PANELS: 26 GA. CLASSIC WALL - LIGHTSTONE (SILICONE POLYESTER)
FIELD WORK PANELS AS REQUIRED

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	BY	CHK	DWG	P.E.	DATE
PERMITS	SCC	AGH	JCT	JCT	12/14/07
FINAL CALCULATION	JCT	DAG	JCT	JCT	01/03/08
REVISED FINAL CALCULATION	DAG	AGH	JCT		6/10/08

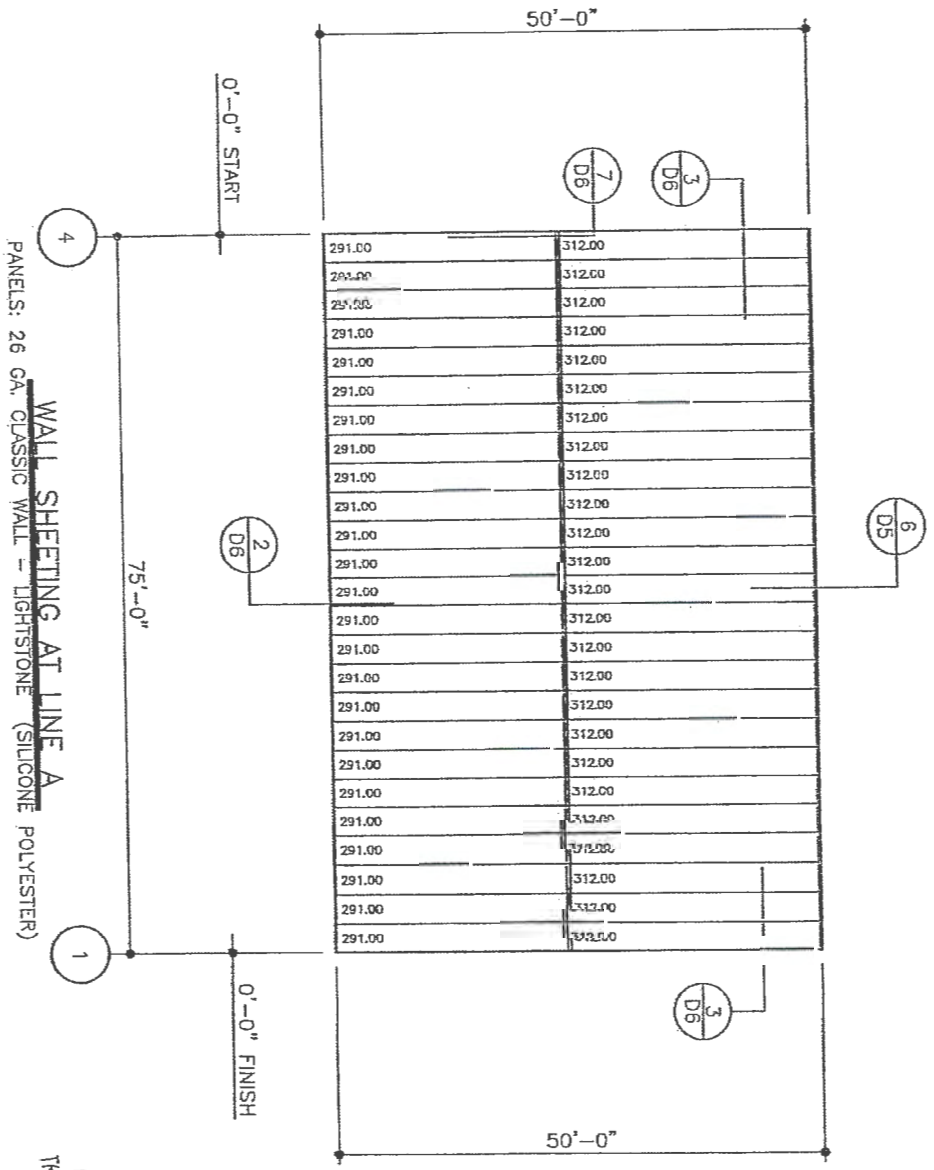
NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHITSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E17 of 20

THIS SEAL PERTAINS ONLY TO THE METHODS OBTAINED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS ARE THE LEGAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SEAL AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSIDERED AS SUCH.



WALL SHEETING AT LINE A

PANELS: 26 GA. CLASSIC WALL - LIGHTSTONE (SILICONE POLYESTER)

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

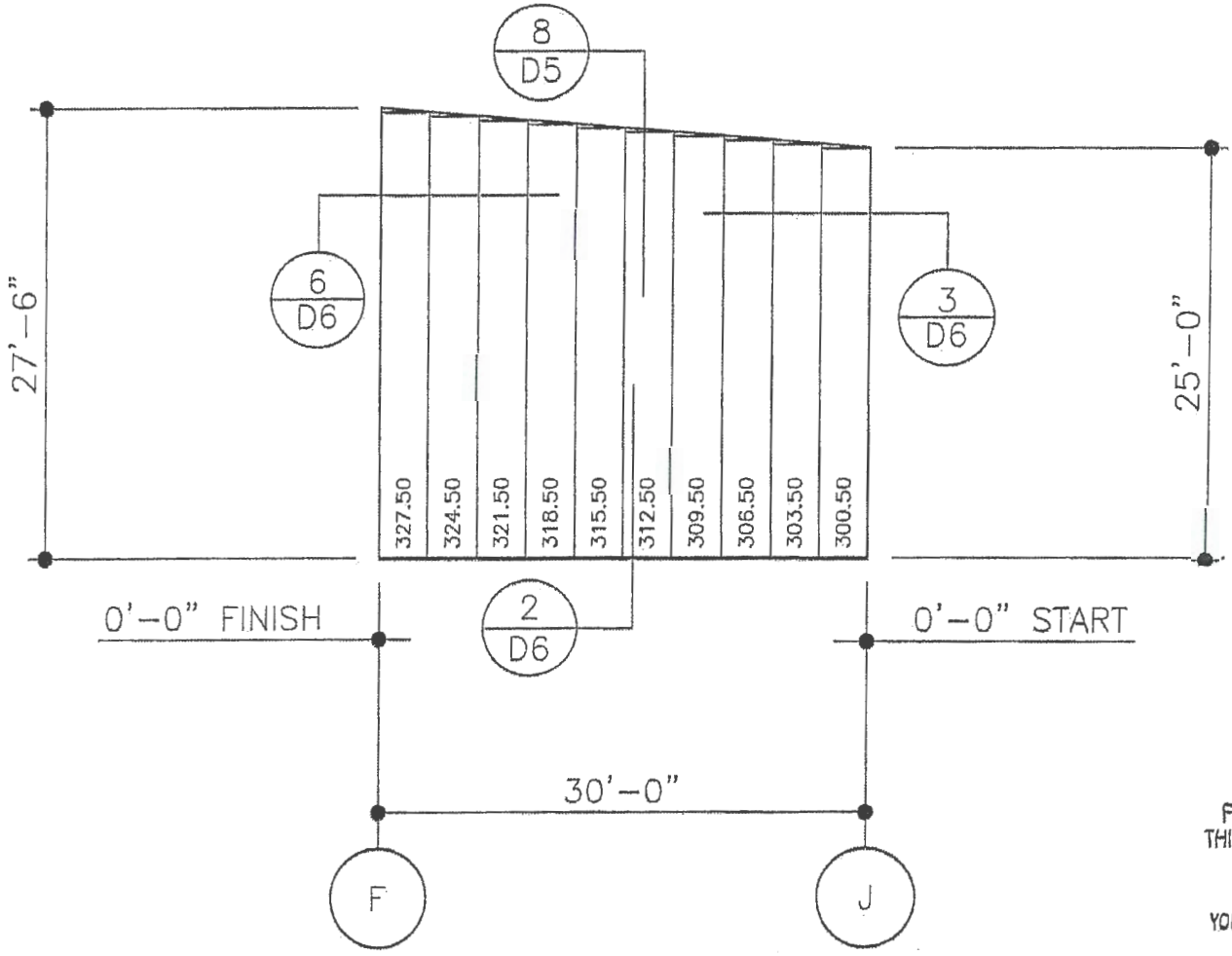
JUN 1 0 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

PROJECT NAME:	AUGUSTA FIBERGLASS/NEWBURG, MD
	NEWBURG, MD
CUSTOMER:	AUGUSTA FIBERGLASS
	BLACKVILLE, SC
JOB NUMBER:	S07H0828A
SHEET NO.	E18 of 20

NUCOR
BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	XXX	ADH	IB	JET	12/14/07
FINAL ERECTION	ADH	DAS	IB	JET	01/03/08
REVISED FINAL ERECTION	DAS	ADH	JB		6/10/08



WALL SHEETING AT LINE 1.9

PANELS: 26 GA. CLASSIC WALL – LIGHTSTONE (SILICONE POLYESTER)

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET

JUN 1 0 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	XXX	ADH	BJ	JET	12/14/07
FINAL ERECTION	ADH	DKS	BJ	JET	01/03/08
REVISED FINAL ERECTION	DKS	ADH	JB		6/10/08

NUCOR
BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

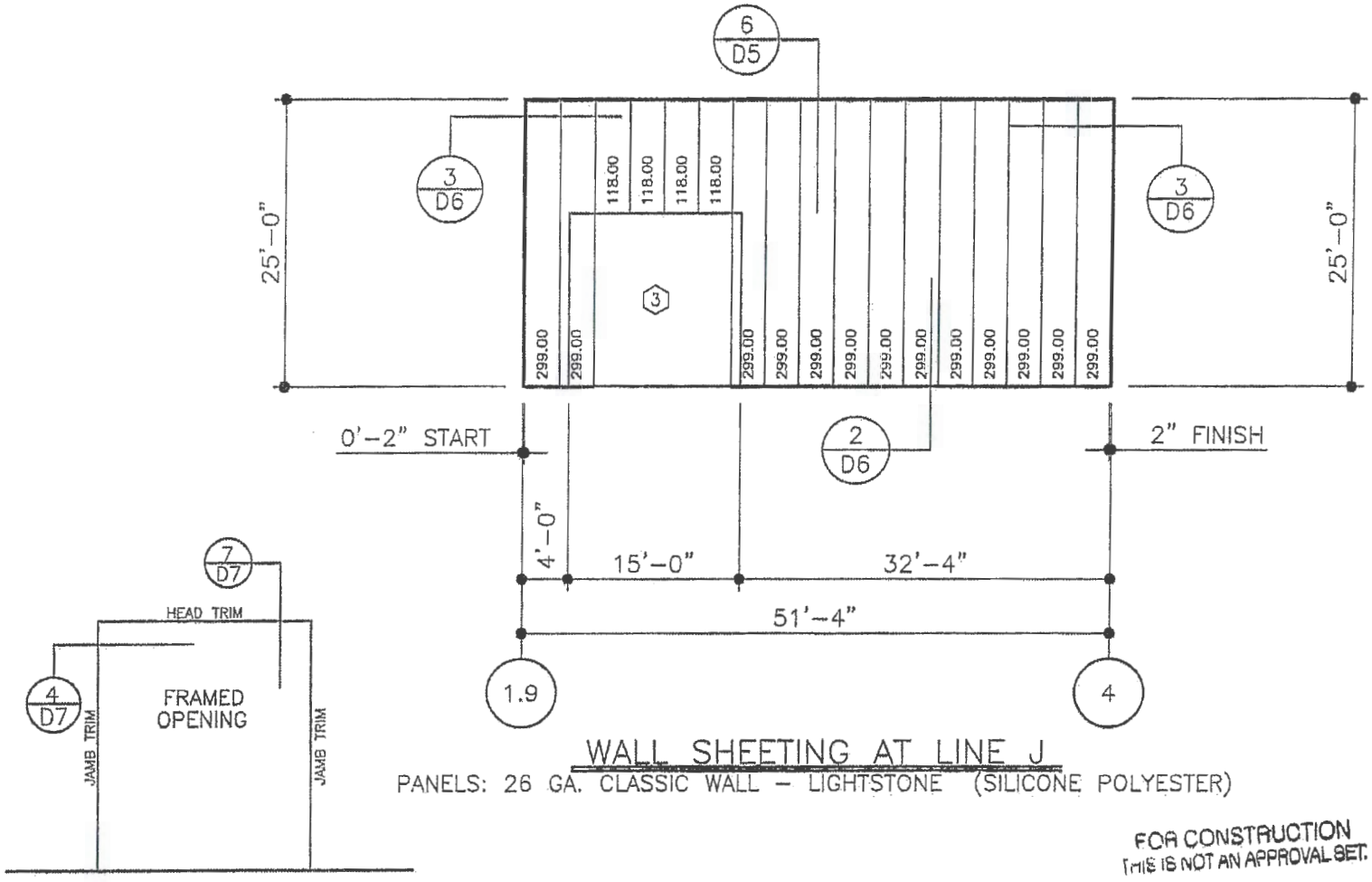
JOB NUMBER: S07H0828A

SHEET NO: E19 of 20

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE LISTS, BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EXPLOITED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

FRAMED OPENING SCHEDULE

ID NUMBER	QTY	SIZE WIDTH	SIZE HEIGHT	TRIM REQUIREMENTS JAMB TRIM	TRIM REQUIREMENTS HEAD TRIM	TRIM REQUIREMENTS SILL TRIM	COVER TRIM REQ'MENTS JAMB TRIM	COVER TRIM REQ'MENTS HEAD TRIM
3	1	15'-0"	15'-0"	JTA06	HTA07	N/A	N/A	N/A



WALL SHEETING AT LINE J

PANELS: 26 GA. CLASSIC WALL – LIGHTSTONE (SILICONE POLYESTER)

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ERECTOR NOTES
1.) FIELD CUT PANELS AROUND OPENINGS AS REQUIRED.
2.) I.D. NUMBER FIELD;
(AN I.D. NUMBER INDICATES A FACTORY LOCATED OPENING. SEE WALL ELEVATIONS.)
(THE WORD "FIELD" INDICATES A FIELD LOCATED OPENING)
3.) SEE SHEET D7 FOR NUCOR STANDARD DOOR ERECTION DETAIL.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	XXX	ADH	JB	JET	12/14/07
FINAL ERECTION	ADH	DNS	JB	JET	01/03/08
REVISED FINAL ERECTION	DNS	ADH	JB		8/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E20 of 20

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE INDIVIDUAL PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSIDERED AS SUCH.

TYPICAL FIELD WELD REQUIREMENTS ERECTOR NOTE:

(UNLESS NOTED OTHERWISE ON DRAWINGS)

ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.

GALVANIZED STEEL FIELD WELDING RECOMMENDATIONS

PREPARATION OF WELD AREA

AWS D-19.0, WELDING ZINC COATED STEEL, CALLS FOR WELDS TO BE MADE ON STEEL THAT IS FREE OF ZINC IN THE AREA TO BE WELDED. FOR GALVANIZED STRUCTURAL COMPONENTS, THE ZINC COATING SHOULD BE REMOVED AT LEAST ONE TO FOUR INCHES (2.5-10 CM) FROM EITHER SIDE OF THE INTENDED WELD ZONE AND ON BOTH SIDES OF THE WORKPIECE. GRINDING BACK THE ZINC COATING IS THE PREFERRED AND MOST COMMON METHOD; BURNING THE ZINC AWAY OR PUSHING BACK THE MOLTEN ZINC FROM THE WELD AREA ALSO ARE EFFECTIVE.

TOUCH-UP OF WELD AREA

WELDING ON GALVANIZED SURFACES DESTROYS THE ZINC COATING ON AND AROUND THE WELD AREA. RESTORATION OF THE AREA WILL BE PERFORMED IN ACCORDANCE WITH ASTM A 780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS, WHICH SPECIFIES THE USE OF PAINTS CONTAINING ZINC DUST, ZINC-BASED SOLDERS OR SPRAYED ZINC. ALL TOUCHUP AND REPAIR METHODS ARE CAPABLE OF BUILDING A PROTECTIVE LAYER TO THE THICKNESS REQUIRED BY ASTM A 780.

SAFETY & HEALTH

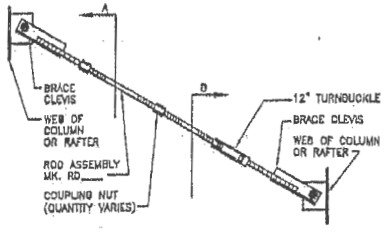
WHEN WELDING DIRECTLY ON GALVANIZED STEEL IS UNAVOIDABLE, OSHA PERMISSIBLE EXPOSURE LIMITS (PELS) MAY BE EXCEEDED AND EVERY PRECAUTION, INCLUDING HIGH-VELOCITY CIRCULATING FANS WITH FILTERS, AIR RESPIRATORS AND FUME-EXTRACTION SYSTEMS SUGGESTED BY AWS, SHOULD BE EMPLOYED. FUMES FROM WELDING GALVANIZED STEEL CAN CONTAIN ZINC, IRON AND LEAD. FUME COMPOSITION TYPICALLY DEPENDS ON THE COMPOSITION OF MATERIALS USED, AS WELL AS THE HEAT APPLIED BY THE PARTICULAR WELDING PROCESS. IN ANY EVENT, GOOD VENTILATION MINIMIZES THE AMOUNT OF EXPOSURE TO FUMES.

PRIOR TO WELDING ON ANY METAL, CONSULT ANSI/ASC Z-49.1, SAFETY IN WELDING, CUTTING AND ALLIED PROCESSES, WHICH CONTAINS INFORMATION ON THE PROTECTION OF PERSONNEL AND THE GENERAL AREA, VENTILATION AND FIRE PREVENTION.

AG0302

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

ROD DIAMETERS	MARK NUMBERS	TURNBUCKLES	COUPLING NUTS	BRACE CLEVIS (AT TURNBUCKLE)	BRACE CLEVIS (AT COUPLING NUT)
5/8"	RDB ___	(1) H0710	(1) H0810	(1) BC802	(1) BC807
3/4"	RDC ___	(1) H0720	(1) H0820	(1) BC803	(1) BC808
7/8"	RDD ___	(1) H0730	(1) H0830	(1) BC804	(1) BC809
1"	RDE ___	(1) H0740	(1) H0840	(1) BC05	(1) BC810
1 1/8"	RDF ___	(1) H0750	(1) H0850	(1) BCL01	(1) BCL05
1 1/4"	RDG ___	(1) H0760	(1) H0860	(1) BCL02	(1) BCL04



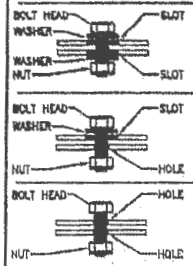
AF0030

ROD BRACE DETAIL

(CLEVIS TO CLEVIS)

TYPICAL WASHER REQUIREMENTS ERECTOR NOTE

(UNLESS NOTED OTHERWISE ON DRAWINGS)



SLOT TO SLOT CONNECTIONS
WASHERS ARE REQUIRED ON BOTH SIDES OF MATERIAL IF SLOTS ARE USED ON BOTH SIDES. (SEE DETAIL AT RIGHT FOR LAPPED ZEE MEMBERS)

SLOT TO HOLE CONNECTIONS
ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.

HOLE TO HOLE CONNECTIONS
NO WASHERS ARE REQUIRED WHEN SLOTS ARE NOT USED.

WASHER PART NUMBERS

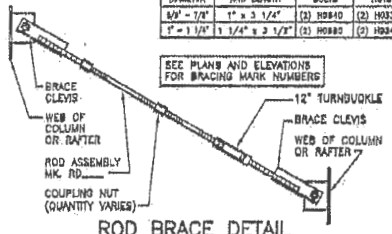
H0200 – 1/2" FLAT WASHER	H0240 – 1" FLAT WASHER
H0210 – 5/8" FLAT WASHER	H0250 – 1 1/8" FLAT WASHER
H0220 – 3/4" FLAT WASHER	H0260 – 1 1/4" FLAT WASHER
H0230 – 7/8" FLAT WASHER	

AG0001

ROD DIAMETERS	MARK NUMBERS	TURNBUCKLES	COUPLING NUTS	BRACE CLEVIS (AT TURNBUCKLE)	BRACE CLEVIS (AT COUPLING NUT)
5/8"	RDB ___	(1) H0710	(1) H0810	(1) BC802	(1) BC807
3/4"	RDC ___	(1) H0720	(1) H0820	(1) BC803	(1) BC808
7/8"	RDD ___	(1) H0730	(1) H0830	(1) BC804	(1) BC809
1"	RDE ___	(1) H0740	(1) H0840	(1) BC05	(1) BC810
1 1/8"	RDF ___	(1) H0750	(1) H0850	(1) BCL01	(1) BCL05
1 1/4"	RDG ___	(1) H0760	(1) H0860	(1) BCL02	(1) BCL04

BRACE CLEVIS BOLT AND NUT PART NUMBERS

ROD DIAMETER	BOLT DIAMETER AND LENGTH	A325 BOLTS	A325 NUTS
5/8" – 7/8"	1" x 3 1/4"	(2) H0840	(2) H0330
1" – 1 1/4"	1 1/4" x 3 1/2"	(2) H0850	(2) H0340



AF0030

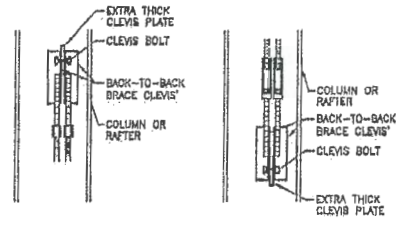
ROD BRACE DETAIL

(CLEVIS TO CLEVIS)

BRACE CLEVIS BOLT AND NUT PART NUMBERS

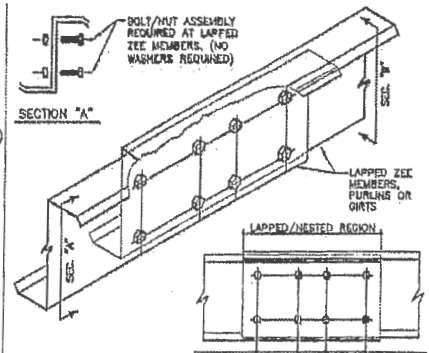
ROD DIAMETER	BOLT DIAMETER AND LENGTH	A325 BOLTS	A325 NUTS
5/8" – 7/8"	1" x 3 1/4"	(2) H0840	(2) H0330
1" – 1 1/4"	1 1/4" x 3 1/2"	(2) H0850	(2) H0340

SEE PLANS AND ELEVATIONS FOR BRACING MARK NUMBERS

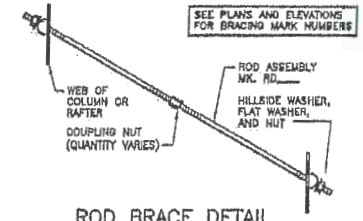


SECTION "A" SECTION "B"

DOUBLE ROD BRACE @ SINGLE LOCATION OPTION



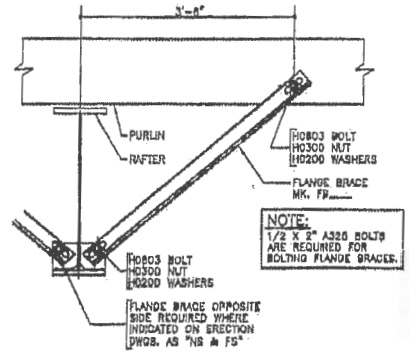
ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS
5/8" ø	RDB ___	(2) H0930	(2) H0210	(2) H0310	H0810
3/4" ø	RDC ___	(2) H0930	(2) H0220	(2) H0320	H0820
7/8" ø	RDD ___	(2) H0930	(2) H0230	(2) H0430	H0830
1" ø	RDE ___	(2) H0950	(2) H0240	(2) H0330	H0840
1 1/8" ø	RDF ___	(2) H0950	(2) H0250	(2) H0450	H0850
1 1/4" ø	RDG ___	(2) H0950	(2) H0260	(2) H0340	H0860



AF0010

ROD BRACE DETAIL

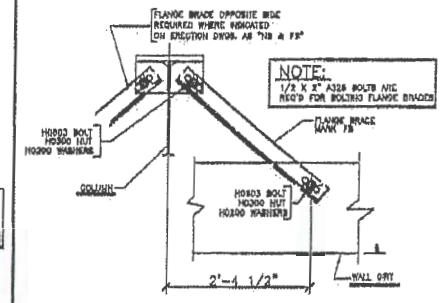
(WEB TO WEB)



AG0010

TYPICAL FLANGE BRACE AT PURLIN & RAFTER

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS



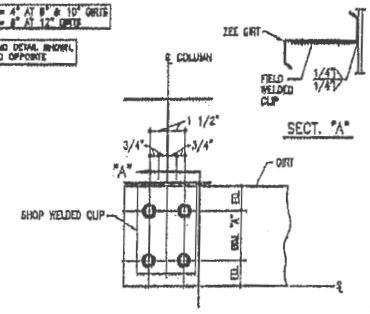
AG0030

TYP FLANGE BRACE @ BU COL & GIRT

NOTE: SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

DIM. "A" = 4" AT 8" & 10" GIRTS
= 8" AT 12" GIRTS

RIGHT HAND DETAIL SHOWN, LEFT HAND OPPOSITE



CC1020(K)

SW OR EW GIRT DETAIL

10 / D1

SIMPLE-SPAN BYPASS GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (4) 1/2"x 1 1/2" A307 BOLTS H0300/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED, NO CHANGES CAN BE MADE.

ISSUE	DRWN	CHK	ENG	P.E.	DATE
PERMITS	ZCC	ADR	JB	JET	12/14/07
FINAL DIRECTION	ADR	DNS	JB	JET	01/03/08
REVISED FINAL DIRECTION	DNS	RDH	JET		06/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1036, 200 WHITSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD

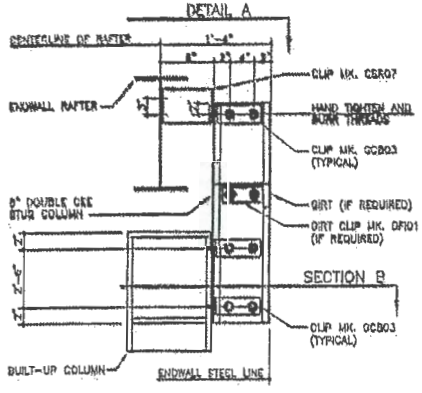
NEWBURG, MD

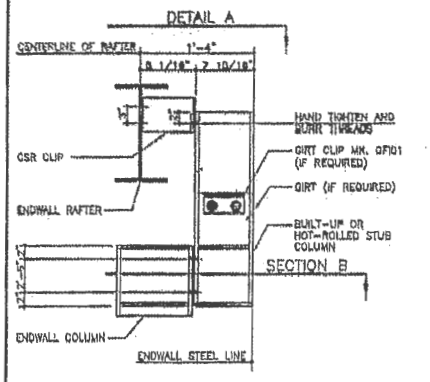
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC

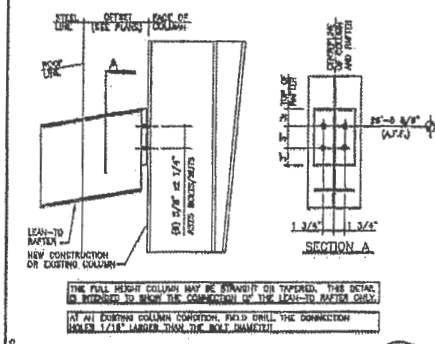
JOB NUMBER: S07H0828A

SHEET NO: D1 of 7

THIS SEAL PERTAINS ONLY TO THE MATERIALS FURNISHED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE NONPROFESSIONAL ENGINEERING WORK SEAL APPEARS ON THESE DRAWINGS IS EXPLICITLY BY NUCOR BUILDING SYSTEMS AND DOES NOT EXTEND TO OR REPRESENT THE PRODUCT OTHERWISE BY NUCOR AND SHALL NOT BE REFERENCED AS SUCH.





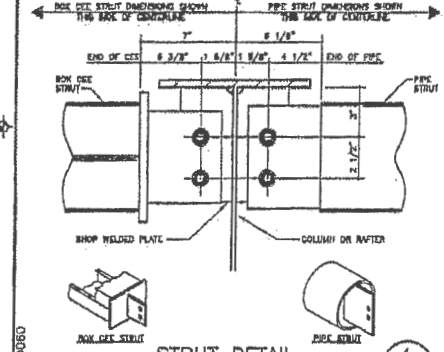


THE FULL HEIGHT COLUMN MAY BE STRAIGHT OR TAPERED. THIS DETAIL IS INTENDED TO SHOW THE CONNECTION OF THE LEAN-TO RAFTER ONLY.

AT ALL EXISTING COLUMN CONDITION, FIELD DRILL THE CONNECTION HOLES 1/16" LARGER THAN THE BOLT DIAMETER.

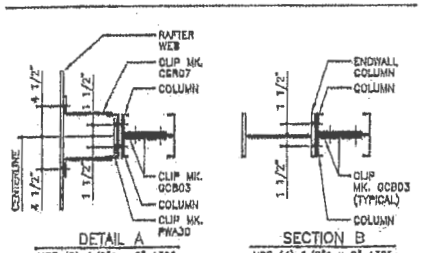
LEAN-TO RAFTER TO COLUMN (3 / D2)

BELOW EAVE



STRUT DETAIL (4 / D2)

8" PIPE STRUT OR BOX CEE STRUT AT 8" (MIN.) COLUMN OR RAFTER
NOTE: USE (2) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330
SEE PLANS & ELEVATIONS FOR MARK NUMBERS AND LOCATIONS



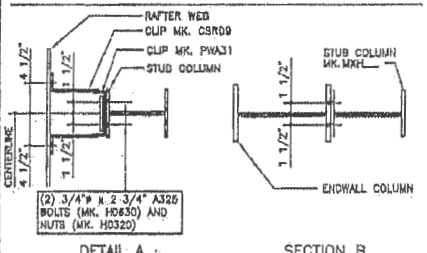
DETAIL A — USE (8) 1/2"ø x 2" A325 BOLTS (MK. H0603) AND NUTS (MK. H0300)

SECTION B — USE (4) 1/2"ø x 2" A325 BOLTS (MK. H0603) AND NUTS (MK. H0300)

NOTE: RAFTER FLANGE NOT SHOWN FOR CLARITY

ENDWALL COLUMN TO EXPANDABLE ENDWALL RAFTER CONNECTION (5 / D2)

BUILT-UP COLUMN AT 8" BYPASS GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



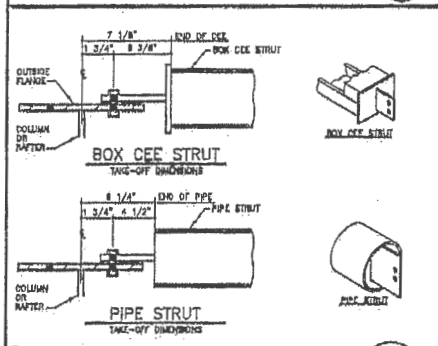
DETAIL A — (2) 3/4"ø x 2 3/4" A325 BOLTS (MK. H0630) AND NUTS (MK. H0320)

SECTION B — (2) 3/4"ø x 2 3/4" A325 BOLTS (MK. H0630) AND NUTS (MK. H0320)

NOTE: RAFTER FLANGE NOT SHOWN FOR CLARITY

ENDWALL COLUMN TO EXPANDABLE ENDWALL RAFTER CONNECTION (6 / D2)

BU OR HR COLUMN AT 8" BYPASS GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



BOX CEE STRUT

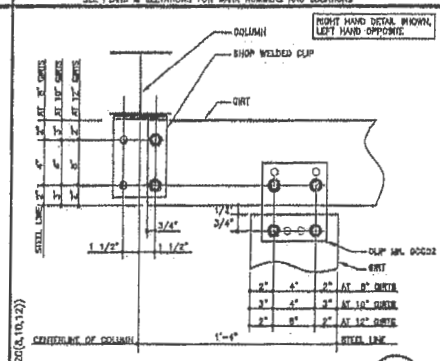
TAKE-OFF DIMENSIONS

PIPE STRUT

TAKE-OFF DIMENSIONS

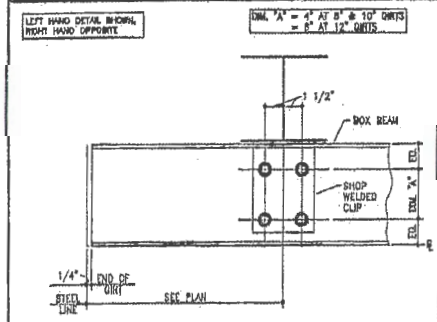
ALTERNATE STRUT DETAIL (7 / D2)

PIPE OR BOX CEE STRUT AT COLUMN OR RAFTER FLANGE
ON A 8" STRUT USE (3) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330
ON A 8" STRUT USE (3) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330
ON A BOX CEE STRUT USE (2) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330
SEE PLANS AND ELEVATIONS FOR MARK NUMBERS & LOCATIONS



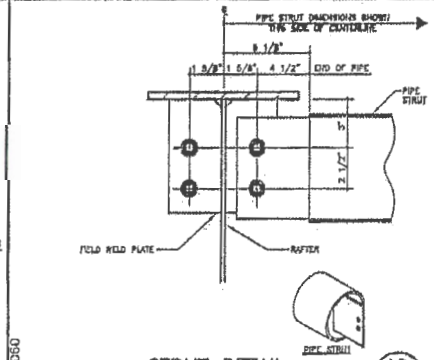
INSIDE CORNER GIRT DETAIL (8 / D2)

NOTE: USE (9) 1/2" x 1 1/2" A307 BOLTS H0800/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



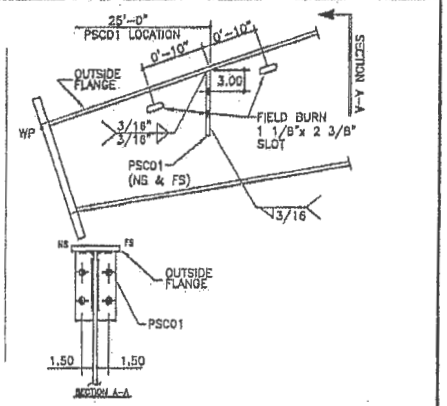
BOX BEAM TERMINATION DETAIL (9 / D2)

LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



STRUT DETAIL (10 / D2)

8" PIPE STRUT OR BOX CEE STRUT AT 8" (MIN.) COLUMN OR RAFTER
NOTE: USE (2) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330
SEE PLANS & ELEVATIONS FOR MARK NUMBERS AND LOCATIONS



FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

MARK	DATE	P.E.	DWG.	CHK.	DWN.
	12/14/07	KCT	BB	AGH	XXX
	01/03/08	KCT	BB	AGH	AGH
	06/10/08		BB	DWS	DWS

PERMITS	ISSUE
FINAL DIRECTION	REVISED FINAL DIRECTION

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHEISTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC

JOB NUMBER: S07H0828A

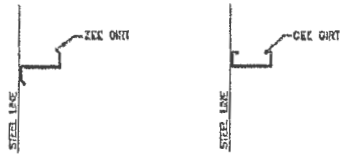
SHEET NO.: D2 of 7

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT DERIVE AN OR REPRESENT THE PROJECT PROPERTY OF BUILDING AND SHALL NOT BE CONSTRUED AS SUCH.

ERECTOR NOTE: UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD ZEE GIRT ORIENTATION IS TO HAVE THE GIRT TOED DOWN AT THE STEEL LINE AS SHOWN IN THE DETAIL BELOW.

UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD CEE GIRT ORIENTATION IS TO HAVE THE GIRT TOED UP AS SHOWN IN THE DETAIL BELOW. STANDARD CLIP ATTACHMENT IS BELOW THE GIRT. HOWEVER SOME DETAILS REQUIRE THAT THE CLIP BE ABOVE THE GIRT OR THAT THE GIRT BE TOED DOWN.

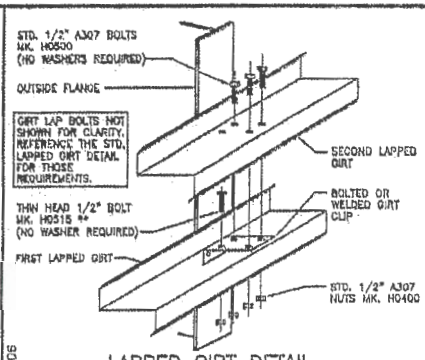
(REFER TO THE GIRT DETAILS FOR SPECIFIC CONNECTION REQUIREMENTS).



CC0005

STANDARD GIRT ORIENTATION DETAIL

SEE GIRT DETAILS FOR GIRT CONNECTIONS
(COLUMNS NOT SHOWN)

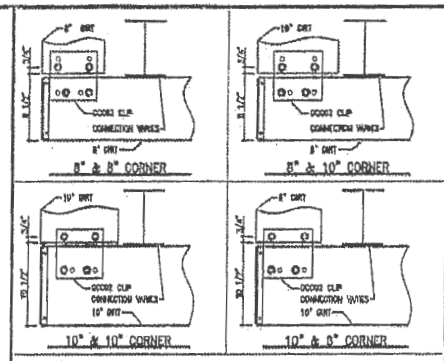


CC0006

LAPPED GIRT DETAIL

LAPPED GIRTS @ INTERIOR BAY COLUMNS

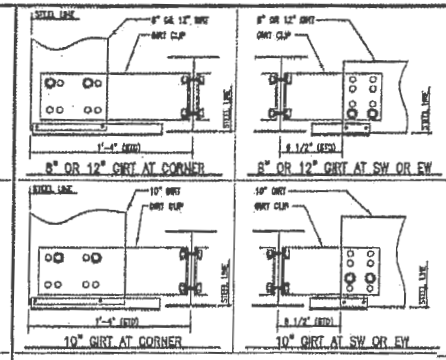
** THE THIN HEAD 1/2" A307 BOLT MUST BE INSTALLED INTO THE FIRST GIRT AND CLIP OF A LAPPED CONDITION. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE SECOND LAPPED GIRT BEING INSTALLED.



CF1001

BYPASS GIRT BOLT PLACEMENT DETAIL

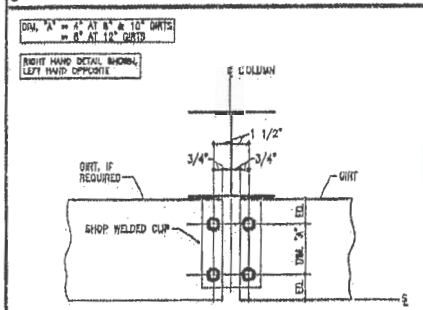
REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS
GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS.
REFER TO THE DETAILS ABOVE TO DETERMINE WHICH HOLES ARE UTILIZED.



CA0001

FLUSH GIRT BOLT PLACEMENT DETAIL

REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS
GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS.
REFER TO THE DETAILS ABOVE TO DETERMINE WHICH HOLES ARE UTILIZED.

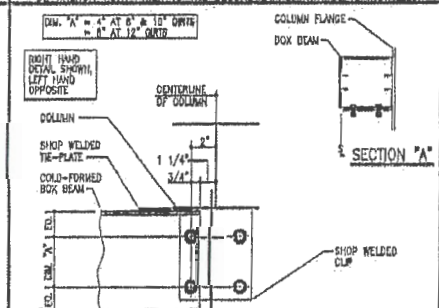


CC1020(K)

SW OR EW GIRT DETAIL

5 / D3

SIMPLE-SPAN BYPASS GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



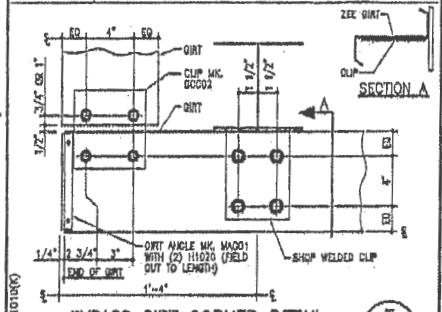
CC1210(K)

SW OR EW BOX BEAM/GIRT DETAIL

6 / D3

SIMPLE-SPAN BOX BEAM AT INTERIOR BAY COLUMNS
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

ERECTOR NOTE GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE STANDARD BOLT PLACEMENT DETAIL(S) FOR PROPER BOLT PLACEMENT.

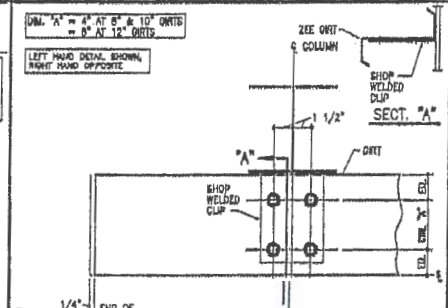


CF1010(K)

BYPASS GIRT CORNER DETAIL

7 / D3

LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE
NOTE: USE (8) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

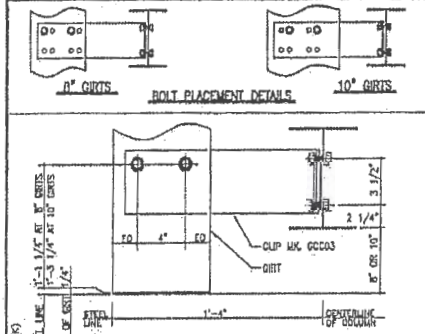


CF1200(K)

GIRT TERMINATION DETAIL

8 / D3

LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

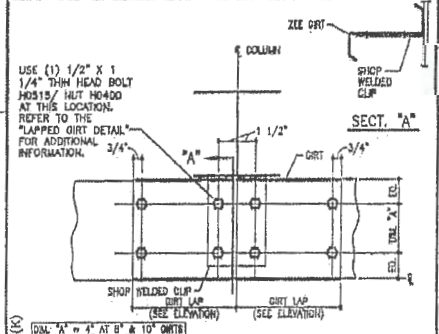


CF1250(K)

GIRT TERMINATION DETAIL

9 / D3

LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS



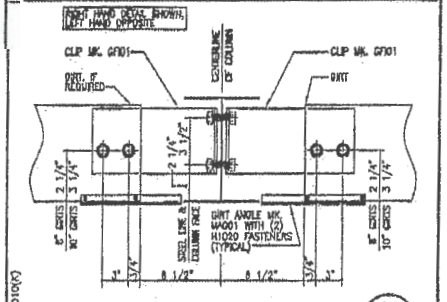
CC1010(K)

SW OR EW GIRT DETAIL

10 / D3

LAPPED BYPASS GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (7) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

ERECTOR NOTE GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE STANDARD BOLT PLACEMENT DETAIL(S) FOR PROPER BOLT PLACEMENT.



CA0010(K)

FLUSH GIRT DETAIL

11 / D3

FLUSH GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (6) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DRWN	CHK	ENG	P.E.	DATE
PROMAS	TCX	RDH	RS	JET	12/14/07
FINAL CHECKOUT		ACM	DKS	RB	01/24/08
REVISED FINAL ERECTION		ACM	DKS	JET	05/10/08

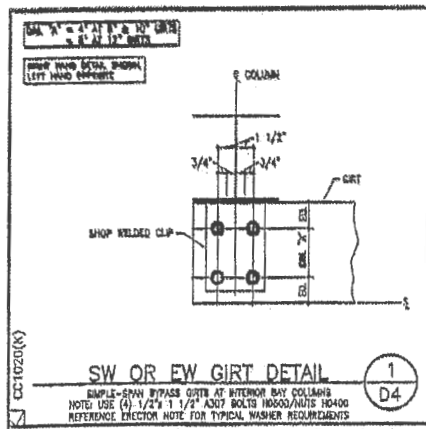
NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: D3 of 7

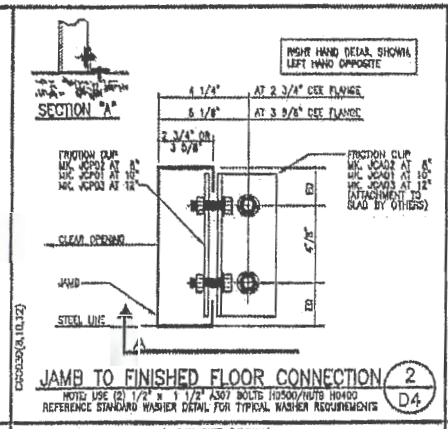
THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE SEAL PLACED UPON THEM, BEARING THE PROFESSIONAL ENGINEER WHOSE NAME IS THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE NECESSARY PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT ABOVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSIDERED AS SUCH.



SW OR EW GIRT DETAIL (1 / D4)

SIMPLE-SPAN BYPASS GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

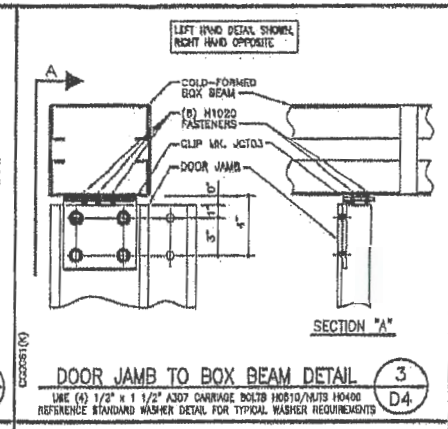
CC1020(K)



JAMB TO FINISHED FLOOR CONNECTION (2 / D4)

NOTE: USE (2) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

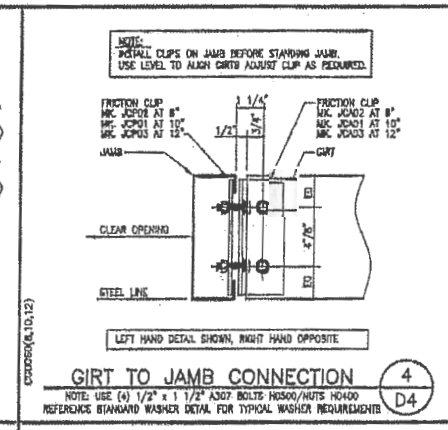
CC2030(8,10,12)



DOOR JAMB TO BOX BEAM DETAIL (3 / D4)

USE (4) 1/2" x 1 1/2" A307 CARRIAGE BOLTS H0510/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

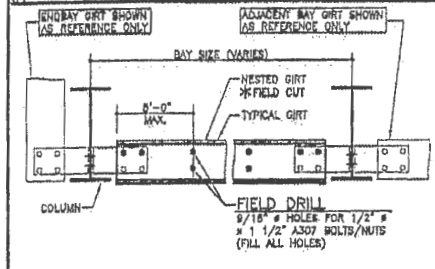
CC2065(K)



GIRT TO JAMB CONNECTION (4 / D4)

NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

CC2065(8,10,12)



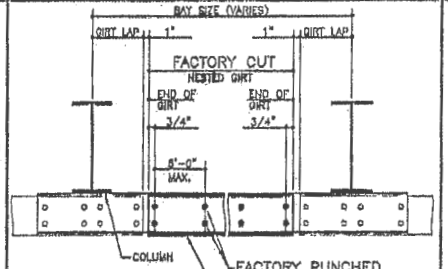
REFER TO THE STANDARD FLUSH/INSET GIRT DETAIL FOR CLIP MARK NUMBERS AND BOLT QUANTITIES AT THE GIRT TO COLUMN CONNECTIONS.

* FIELD CUT GIRT FROM LONG UNPUNCHED GIRT LENGTH PROVIDED.

FLUSH/INSET NESTED GIRT DETAIL (5 / D4)

- REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
- THE QUANTITY OF 1/2" x 1 1/2" A307 BOLTS (MK. H0500) & NUTS (MK. H0400) VARIES DEPENDING ON THE BAY SIZE.

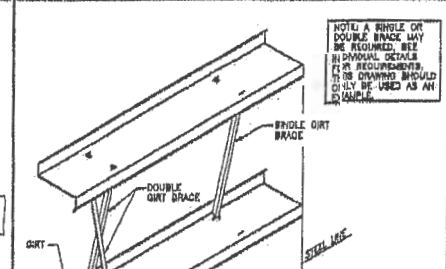
CM0010

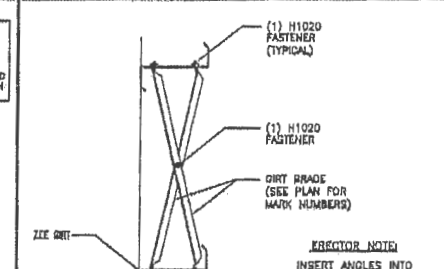


BYPASS NESTED GIRT DETAIL (6 / D4)

- REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
- THE QUANTITY OF 1/2" x 1 1/2" A307 BOLTS (MK. H0500) & NUTS (MK. H0400) VARIES DEPENDING ON THE BAY SIZE.

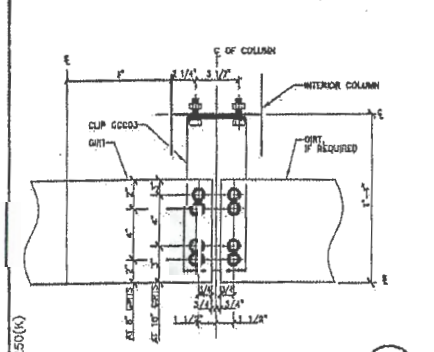
CM0020





INTERMEDIATE GIRT BRACING DOUBLE BRACE (8 / D4)

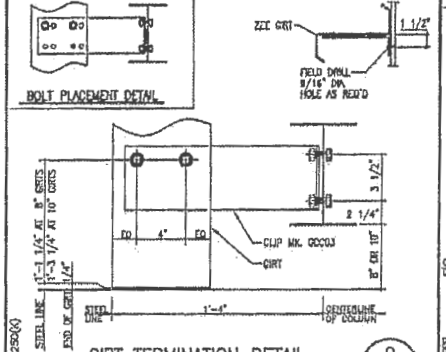
L: GIRT BRC INT



GIRT DETAIL AT INTERIOR COLUMN (9 / D4)

SIMPLE-SPAN GIRTS AT BUILT UP INTERIOR COLUMN
NOTE: USE (8) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

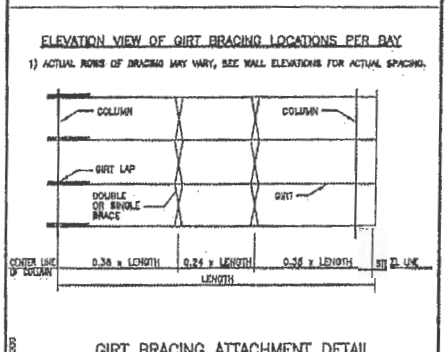
CC0250(K)



GIRT TERMINATION DETAIL (9 / D3)

LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

CT0250(K)



GIRT BRACING ATTACHMENT DETAIL

SEE WALL FRAMING ELEVATION(S) FOR GIRT BRACING MARK NUMBERS, QUANTITIES, AND LOCATIONS

JC0030

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	TYPE	CHK.	DWG.	ENG.	P.E.	DATE
PERMITS	DCX	ABH	IB	JKT		12/14/07
FINAL ERECTION	ADH	DKS	IB	JKT		01/03/08
REVISED FINAL ERECTION	DKS	ABH	IB	JKT		06/10/08

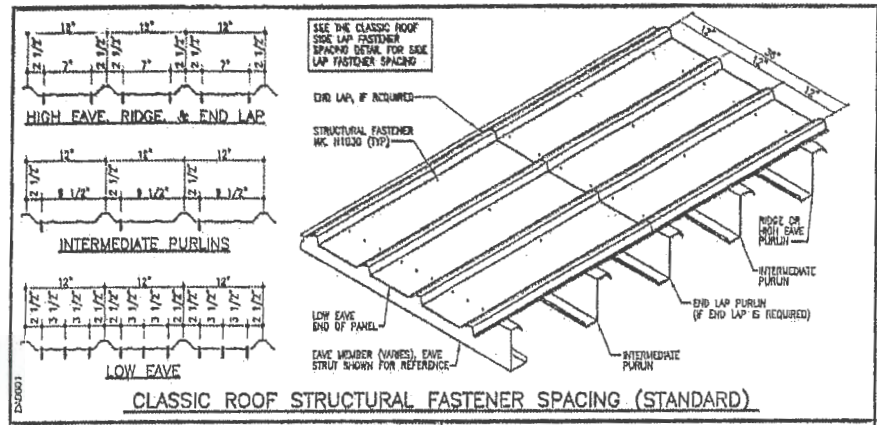
NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

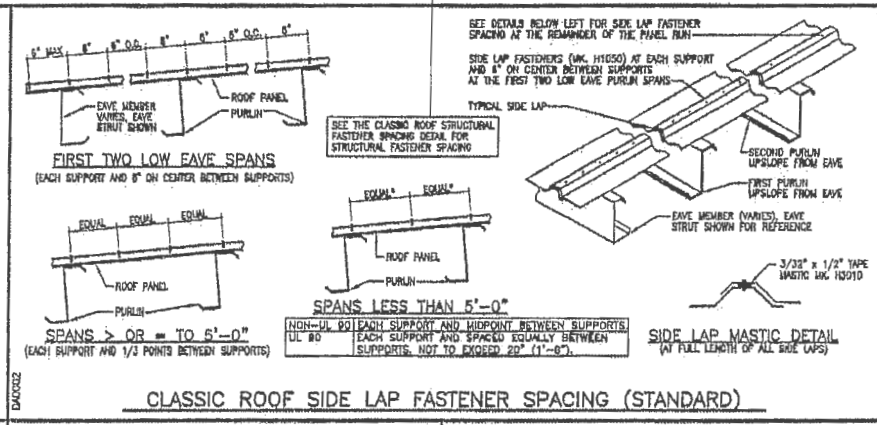
JOB NUMBER: 507H0B28A

SHEET NO: D4 of 7

THE SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE INDEPENDENT PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT WORK AS AN INDEPENDENT PROFESSIONAL ENGINEER. THE PRIMARY MANAGER OF RECORD AND SHALL NOT BE CONSIDERED AS SUCH.



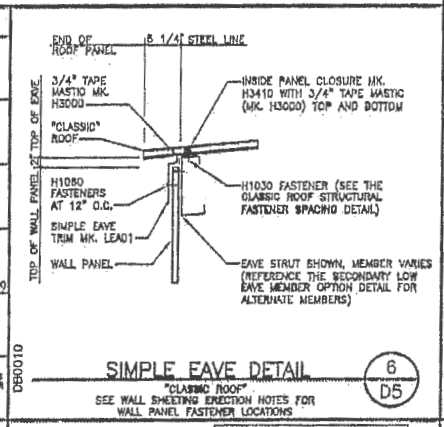
CLASSIC ROOF STRUCTURAL FASTENER SPACING (STANDARD)



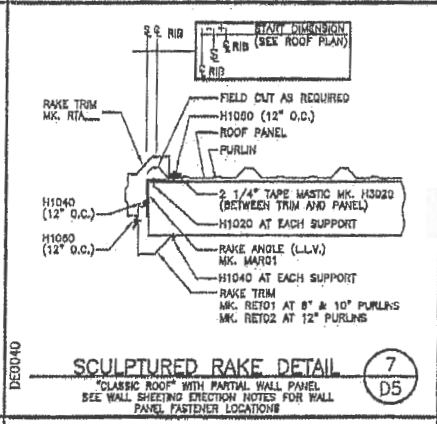
CLASSIC ROOF SIDE LAP FASTENER SPACING (STANDARD)

STANDARD FASTENER SCHEDULE

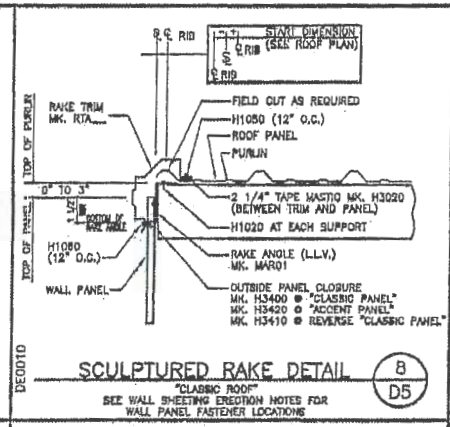
H1000	12-14 x 1 1/4" WITH WASHER (SELF TAPPING)	H1047	12-14 x 2" TEK 2 WITH WASHER (SELF DRILLING)
H1020	1/4-14 x 1 1/4" TEK 3 WITHOUT WASHER (SELF DRILLING) 3/16" THICK DRILLING CAPACITY (MAX)	H1050	12-14 x 3/4" SHARP POINT WITH WASHER (SELF TAPPING)
H1030	12-14 x 1 1/4" TEK 3 WITH WASHER (SELF DRILLING)	H1060	12-14 x 3/4" SHARP POINT WITHOUT WASHER (SELF TAPPING)
H1035	12-14 x 1 1/2" TEK 3 WITH WASHER (SELF DRILLING)	H1070	12-24 x 1 1/2" TEK 5 WITHOUT WASHER (SELF DRILLING) 1/2" THICK DRILLING CAPACITY (MAX)
H1040	12-14 x 1 1/4" TEK 3 WITHOUT WASHER (SELF DRILLING)	H1080	11/32" x 1 1/4" WITH WASHER (ROOF SCREW) (SELF DRILLING)
H1045	12-14 x 2" TEK 3 WITHOUT WASHER (SELF DRILLING)	H1100 1/8" POP RIVET	H1110 3/8" x 1 1/4" ALUMINUM BROMELT FASTENER



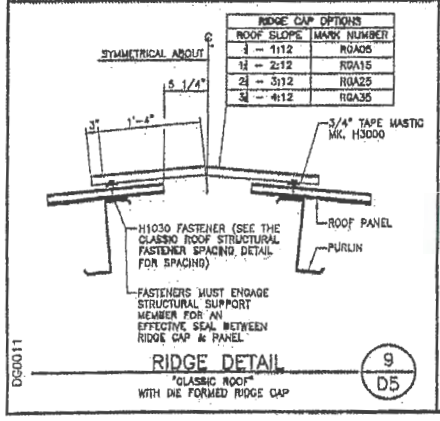
SIMPLE EAVE DETAIL 6/D5
"CLASSIC ROOF"
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS



SCULPTURED RAKE DETAIL 7/D5
"CLASSIC ROOF" WITH PARTIAL WALL PANEL
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

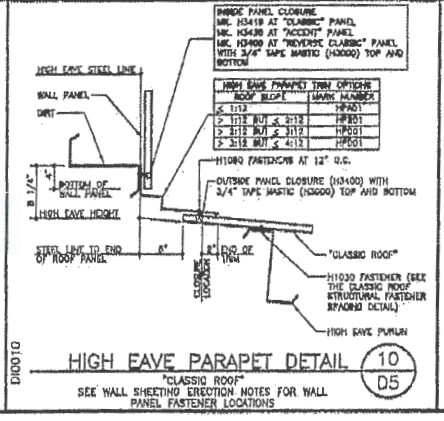


SCULPTURED RAKE DETAIL 8/D5
"CLASSIC ROOF"
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS



RIDGE CAP OPTIONS	
ROOF SLOPE	MARK NUMBER
1 → 1:12	RGA05
1½ → 2:12	RGA15
2½ → 3:12	RGA25
3½ → 4:12	RGA35

RIDGE DETAIL 9/D5
"CLASSIC ROOF"
WITH DIE FORMED RIDGE CAP



HIGH EAVE PARAPET TRIM OPTIONS	
ROOF SLOPE	MARK NUMBER
≤ 1:12	HPA01
> 1:12 BUT ≤ 2:12	HPB01
> 2:12 BUT ≤ 3:12	HPC01
> 3:12 BUT ≤ 4:12	HPD01

HIGH EAVE PARAPET DETAIL 10/D5
"CLASSIC ROOF"
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DRWN	CHK	ENG	P.E.	DATE
PERMITS	RDK	ADH	BL	JCT	12/14/07
FINAL ERECTION	ACH	DMS	BB	JCT	01/03/08
REVISED FINAL ERECTION	DMS	ADH	JSS		06/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BUCKSVILLE, SC

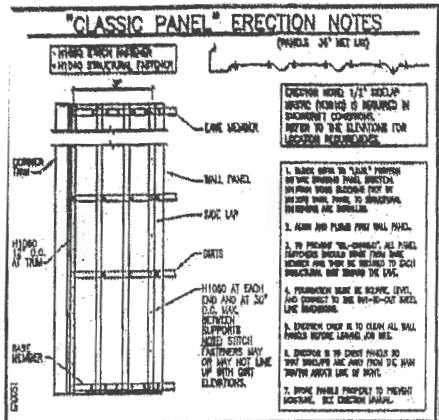
JOB NUMBER: S07H0828A

SHEET NO: D5 of 7

THIS SEAL APPLIES ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE STRUCTURAL WORK ON THE BUILDING WHICH ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS, ARE REFERENCED PROFESSIONAL ENGINEER WORK. SEAL APPLIES ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT ASSUME, AS OR REPRESENT THE PARTIES ENGAGED BY NUCOR AND SHALL NOT BE CONSIDERED AS NUCOR.

"CLASSIC PANEL" ERECTION NOTES

(PANELS 24" NET LAP)



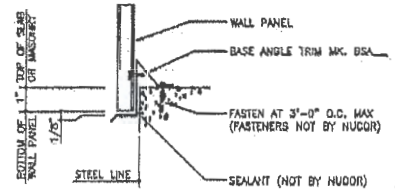
ERECTION NOTES 1/1" SIDELAP SEALING (H3180) IS REQUIRED IN CORROSIVE CONDITIONS. REFER TO THE ELEVATIONS FOR LOCATION REQUIREMENTS.

1. BLACK GRIPE TO "LAND" PANELS ON THE SHORTER PANEL DIRECTION, UNLESS YOUR DESIGNER TELLS YOU OTHERWISE. ALWAYS WALL PANEL TO STRUCTURAL FRAMING ARE SCRIBLED.
2. ALIGN AND PLUMB FIRST WALL PANEL.
3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM THE MIDDLE AND THEN BE DRIVEN TO EACH STRUCTURAL BEE BEYOND THE END.
4. FOUNDATION SHOULD BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.
5. ENSURE CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.
6. ENSURE IS TO CHECK PANELS SO THAT SHOULDS ARE AND THEN TO HAVE THEM ALWAYS LINE UP RIGHT.
7. STORE PANELS PROPERLY TO PREVENT MOISTURE. SEE ERECTION MANUAL.

GC0051

OUTSIDE CORNER TRIM MK. H4140

INSIDE CORNER TRIM MK. H4150



BASE TRIM DETAIL 2 / D6

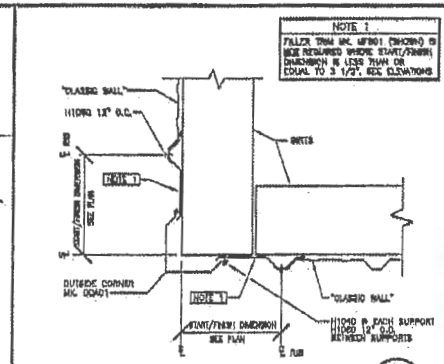
BASE ANGLE TRIM

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

GC0010

NOTE 1

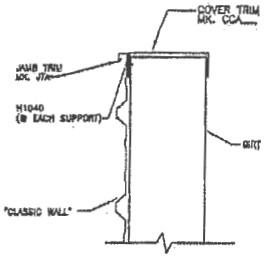
FILLER TRIM MK. MF901 (SHOWN) IS NOT REQUIRED WHERE START/FINISH DIMENSION IS LESS THAN OR EQUAL TO 3 1/2". SEE ELEVATIONS



OUTSIDE CORNER DETAIL 3 / D6

"CLASSIC WALL"

GC0021



PANEL TERMINATION DETAIL 4 / D6

"CLASSIC WALL"

GC0082

END CLOSURE DETAIL

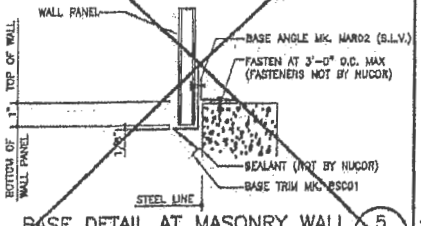
END CLOSURE MK. H4320 (POLAR WHITE). APPLY TUNC DRIPS (H3180) ALL AROUND AND INSERT INTO END OF BRICK TRIM AT FRAMED OPENINGS, WALKDOORS, AND EXISTING BUILDINGS.

OUTSIDE CORNER TRIM MK. H4080

INSIDE CORNER TRIM MK. H4150

ERECTION NOTES

UNTIL WALL PANELS ARE INSTALLED, (3) H1040 SCREWS ARE TO BE USED FOR TEMPORARY INSTALLATION OF THE BASE TRIM.

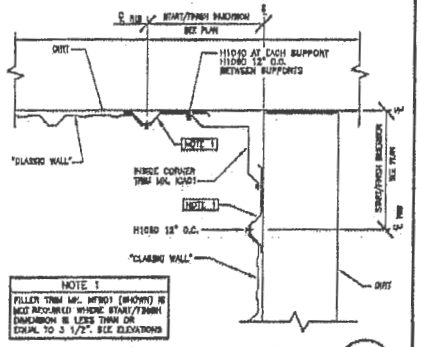


BASE DETAIL AT MASONRY WALL 5 / D6

BASE TRIM WITH ANGLE

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

GC0100



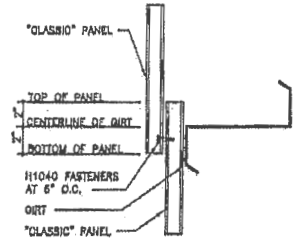
NOTE 1

FILLER TRIM MK. MF901 (SHOWN) IS NOT REQUIRED WHERE START/FINISH DIMENSION IS LESS THAN OR EQUAL TO 3 1/2". SEE ELEVATIONS

INSIDE CORNER DETAIL 6 / D6

"CLASSIC WALL"

GC0051



STANDARD WALL PANEL LAP 7 / D6

"CLASSIC" PANEL

GC0062

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DRWN	CHK	DSG	P.E.	DATE
FOR PERMITS	XXX	XXX	JB	JET	12/14/07
FINAL ERECTION	ADH	ADH	BS	JET	01/02/08
REVISED FINAL ERECTION	DKS	ADH	JB		06/10/08

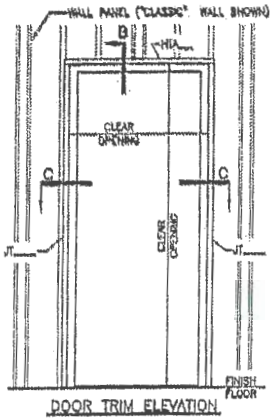
NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: D6 of 7

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE INDEPENDENT PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT ACT AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



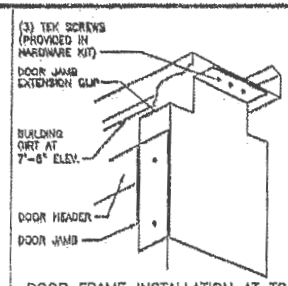
DOOR TRIM ELEVATION

KNOCK DOWN DOOR ERECTION DETAILS

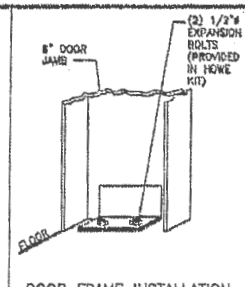
1) USE ONLY WHERE NUCOR KNOCK DOWN DOORS ARE REQUIRED. SEE COVERSHEET (SHEET C1) FOR DOOR REQUIREMENTS.

2) FOLLOW DOOR AND FRAME ASSEMBLY INSTRUCTIONS PACKAGED WITH FRAME KIT.

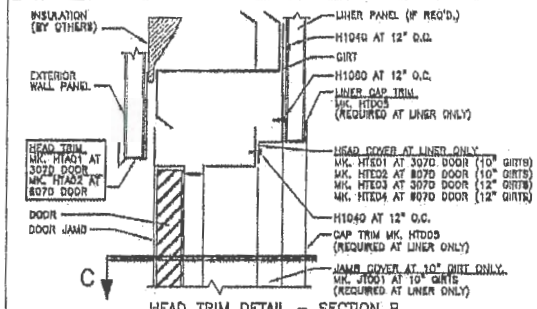
3) HTA___ & JT___ TRIMS ARE FACTORY CUT TO LENGTH.



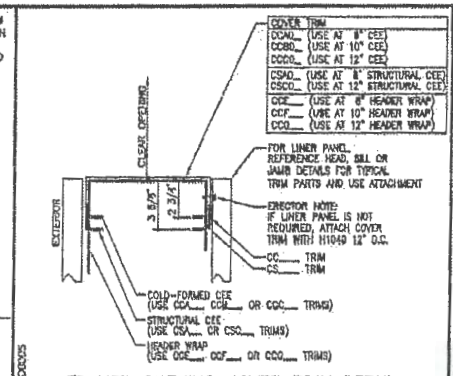
DOOR FRAME INSTALLATION AT TOP



DOOR FRAME INSTALLATION AT BASE

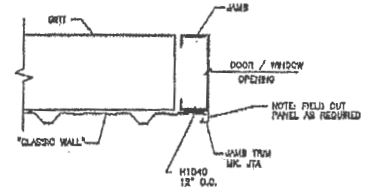


HEAD TRIM DETAIL – SECTION B



FRAMED OPENING COVER TRIM DETAIL

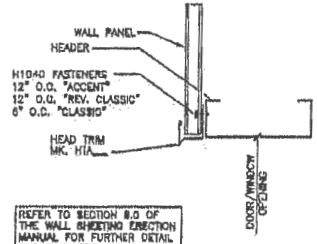
SILL SHOWN, HEAD AND JAMBS SIMILAR



JAMB DETAIL

"CLASSIC WALL"

4 / D7

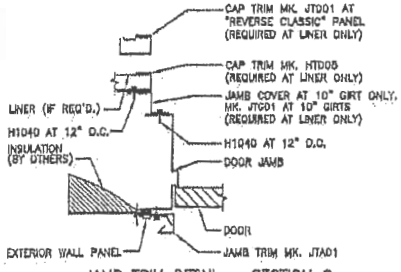


REFER TO SECTION 8.0 OF THE WALL SHEETING ERECTION MANUAL FOR FURTHER DETAIL AND PANEL PREPARATION INFORMATION

HEADER DETAIL

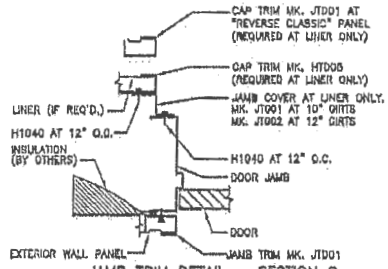
FOR ALL STANDARD WALL PANEL TYPES

7 / D7



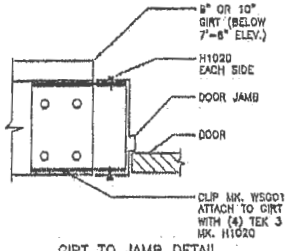
JAMB TRIM DETAIL – SECTION C

"CLASSIC" WALL OR "ACCENT" PANEL WITH "CLASSIC" WALL LINER



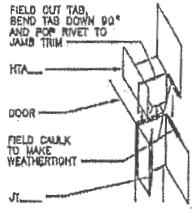
JAMB TRIM DETAIL – SECTION C

"REVERSE CLASSIC" WALL PANEL WITH "CLASSIC" WALL LINER



GIRT TO JAMB DETAIL

FIELD CUT GIRT TO LENGTH AS REQUIRED



TRIM CORNER DETAIL

TOP RIGHT CORNER SHOWN

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DRWN	CHK	ENG	P.E.	DATE
PERMITS	CCC	ADH	JB	JET	12/14/07
FINAL ERECTION	ADH	DKS	JB	JET	01/03/08
REVISED FINAL ERECTION	DKS	ADH	TDS		05/30/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHITSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

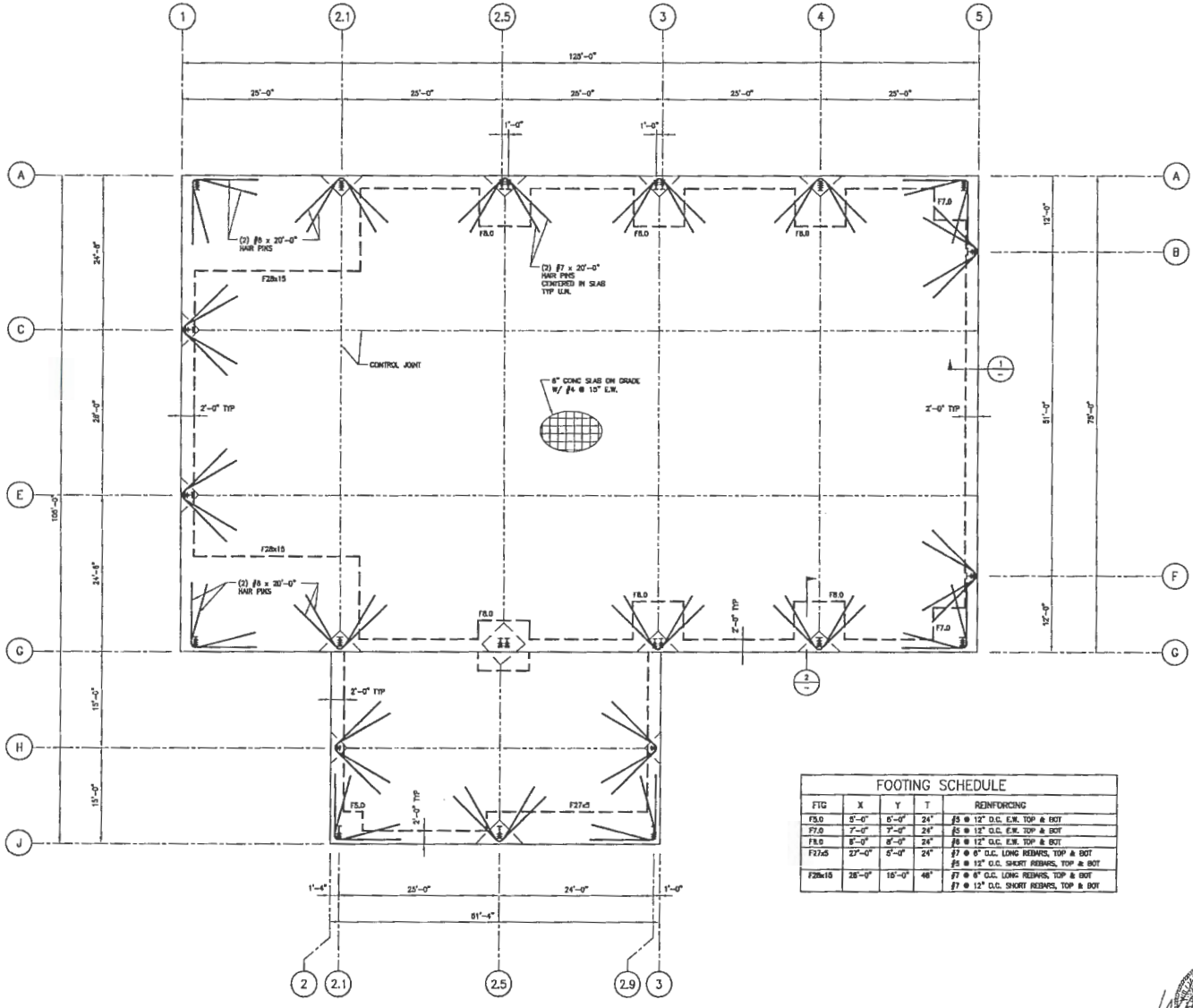
PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
NEWBURG, MD

CUSTOMER: AUGUSTA FIBERGLASS
BUCKNALLE, SC

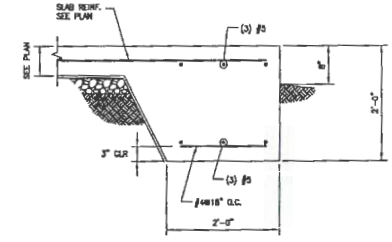
JOB NUMBER: S07H0828A

SHEET NO: D7 of 7

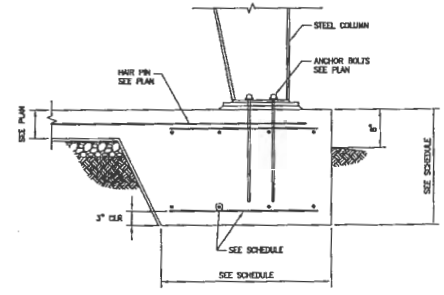
THIS FINAL DRAWING ONLY TO BE MATERIALS DEMANDED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PROPERTY OF NUCOR BUILDING SYSTEMS. THE ARCHITECT, STRUCTURAL ENGINEER, OWNER'S AGENTS, MEMBERS OF THEIR REPORTS & EMPLOYEES BY NUCOR BUILDING SYSTEMS FOR ANY USE WHATSOEVER OR REPRESENT THE PROPER ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



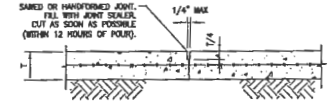
PE BUILDING FOUNDATION PLAN
SCALE: ¼" = 1'-0"



1 TURNDOWN FOOTING
SCALE: 1"=1'-0"



2 FOOTING AT STEEL COLUMN
SCALE: 1"=1'-0"



A CONTROL JOINT FOR SLAB ON GRADE
SCALE: 1"=1'-0"

FOOTING SCHEDULE

FTG	X	Y	T	REINFORCING
F5.0	5'-0"	5'-0"	24"	#5 @ 12" O.C. E.W. TOP & BOT
F7.0	7'-0"	7'-0"	24"	#5 @ 12" O.C. E.W. TOP & BOT
F8.0	8'-0"	8'-0"	24"	#6 @ 12" O.C. E.W. TOP & BOT
F27x5	27'-0"	5'-0"	24"	#7 @ 6" O.C. LONG REBARS, TOP & BOT #5 @ 12" O.C. SHORT REBARS, TOP & BOT
F28x15	28'-0"	15'-0"	48"	#7 @ 6" O.C. LONG REBARS, TOP & BOT #7 @ 12" O.C. SHORT REBARS, TOP & BOT

9-12-12

REV	DESCRIPTION	DRWN	APPR	DATE	REV	DESCRIPTION	DRWN	APPR	DATE
					A				

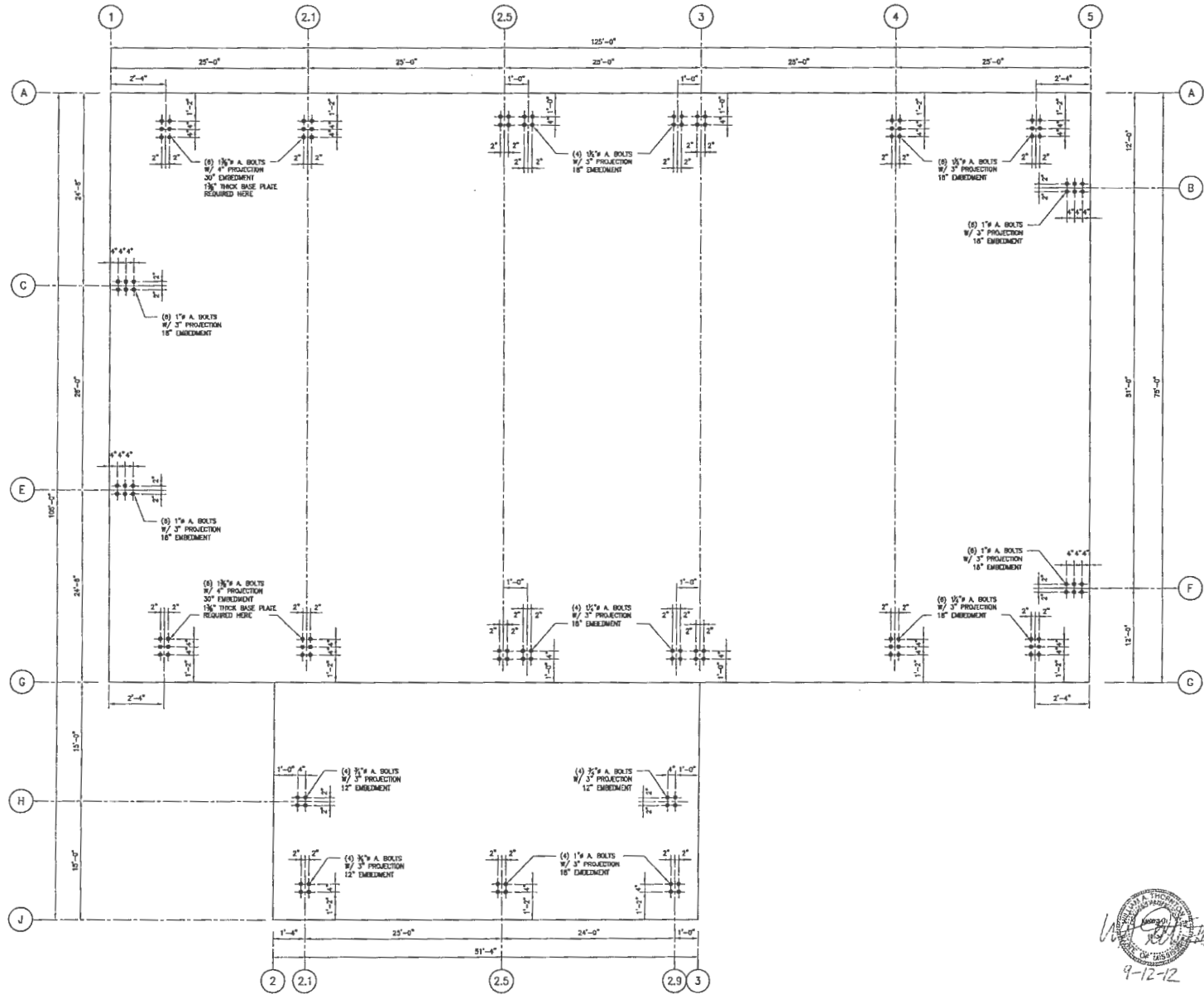
MORGANTOWN INSIDE BOW, NH

FOUNDATION PLAN

SCALE: NOTED
DATE: 09/11/12
DRWN BY: DSW
CHKD BY: TS

Se STABILITY ENGINEERING

SE NUMBER: S-1
SE FILE NAME: 12011.DWG
SHT
OF
REV



ANCHOR BOLT PLAN

NOT TO SCALE

GENERAL NOTES:

1. THE GENERAL CONTRACTOR SHALL COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS, INCLUDING THE SIZE AND LOCATION OF MISCELLANEOUS ITEMS AFFECTING THE STRUCTURAL WORK SUCH AS SMALL OPENINGS, PIPE SLEEVES, RECESSES, BENT PLATES, ETC. PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR OMISSIONS.
2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS PRIOR TO COMMENCING WORK. PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THE CONTRACT DOCUMENTS.
3. DO NOT SCALE DRAWINGS. ALL WORK REQUIRING MEASURING SHALL BE DONE ACCORDING TO FIGURES ON DRAWING. ANY MISSING DIMENSIONS WILL BE FURNISHED UPON REQUEST.
4. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL ALSO APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
5. CONSTRUCTION SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ORDINANCES, AND THE INTERNATIONAL BUILDING CODE 2006.

FOUNDATION:

1. FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. THIS VALUE SHALL BE VERIFIED BY A REGISTERED SOIL ENGINEER PRIOR TO FOUNDATION CONSTRUCTION. ALL FOOTINGS ARE TO BE PLACED ON UNDISTURBED ORIGINAL SOIL OR COMPACTED FILL.
2. ALL BACKFILLING SHALL BE ACCOMPLISHED USING MATERIAL CONSISTING OF CRUSHED STONE AND/OR MATERIAL APPROVED BY A REGISTERED SOILS ENGINEER. FILL MATERIAL TAKEN FROM SITE EXCAVATION SHALL HAVE OPTIMUM MOISTURE CONTENT FOR COMPACTION AND BE FREE OF ANY DEBRIS. BACKFILL SHALL BE COMPACTED TO 90% MAXIMUM DENSITY AS DETERMINED BY ASTM D698, IN MAXIMUM LIFTS OF EIGHT INCHES.
3. FILL MATERIAL SHALL BE ADEQUATELY DRAINED TO PREVENT ANY DAMAGE TO THE BUILDING'S FOUNDATION BY GROUND WATER FLOWS OR SURFACE WATER RUN-OFF.
4. REMOVE ORGANIC MATERIALS AND LARGE ROCKS AND PROVIDE TERMITE TREATMENT PRIOR TO PLACING VAPOR BARRIER AND CONCRETE SLABS.

CONCRETE:

1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE", EXCEPT AS NOTIFIED BY THE REQUIREMENTS OF THESE STRUCTURAL DRAWINGS.
2. CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A DESIGNATED COMPRESSIVE STRENGTH ($f'c$) IN 28 DAYS OF 3000 PSI WITH A 4" (±1") SLUMP UNLESS NOTED OTHERWISE.
3. SLAB-ON-GRADE SHALL BE PLACED ON 6-MIL VAPOR BARRIER ON 4" OF #57 STONE OR COMPACTED SAND OR CRUSHER RUN. VAPOR BARRIER MAY BE OMITTED FROM DRIVES, WALKS, PATIOS, AND OTHER FLAT WORK NOT LIKELY TO BE ENCLOSED AND HEATED AT A LATER DATE. JOINTS LAPPED NOT LESS THAN 6".

REINFORCING:

1. CONCRETE REINFORCING STEEL SHALL COMPLY WITH THE REQUIREMENTS OF ASTM A615, GRADE 40 FOR #3 BARS AND ASTM A615, GRADE 60 FOR #4 AND LARGER BARS.
2. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI 315, LATEST EDITION.
3. REINFORCING STEEL SHALL BE SPLICED ONLY AS INDICATED ON THE PLANS. WHEN SPLICE LENGTHS ARE NOT GIVEN ON THE PLANS, THEY SHALL BE TAKEN FROM THE TABLE BELOW. USE "CLASS B" LAPS UNLESS THE PLANS INDICATE "CLASS A".

BAR SIZE	CLASS "B" SPLICE	CLASS "A" SPLICE
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"

LAPS SHOWN ABOVE WERE CALCULATED PER ACI 318-08, EQ. 12-1 FOR MATS, WALLS, BEAMS, COLUMNS AND SLABS. VALUES ASSUMED ARE: $f'c$ 3000 PSI, K_{tr}=0, 1" MIN COVER AND 2" MIN CLEAR BETWEEN BARS FOR #4, #5 AND #6 BARS, AND 1½" MIN COVER AND 3" MIN CLEAR BETWEEN BARS FOR #7 THRU #11 BARS. SHORTER LAPS MAY BE CALCULATED FOR SOME SPECIFIC CONDITIONS SUCH AS TIED BEAMS OR ADDITIONAL COVER. LAPS MUST BE INCREASED 50% PER ACI 318-08 FOR EPOXY COATED REBAR, OR 30% FOR LIGHTWEIGHT CONCRETE.

9-12-12

REV	DESCRIPTION	DRWN	APPR	DATE	REV	DESCRIPTION	DRWN	APPR	DATE
					A				

MORGANTOWN INSIDE BOW, NH

ANCHOR BOLT PLAN

SCALE: NOTED
DATE: 09/11/12
DRWN BY: DSW
CHKD BY: TJ

SE STABILITY ENGINEERING

SE JOB NUMBER: S-2
SE FILE NAME: 12011.DWG
SHT
OF
REV

48 Phoenix Lane, Suite Dover, NH 03820 Tel 603 742-8210

C

APPLICATION FOR A COMMERCIAL OR INDUSTRIAL PERMIT

PERMIT NUMBER _____

CITY OF GAUTIER

ACCEPTED BY

APPROVED BY

Application is hereby made for a permit under the provisions of the Comprehensive Zoning Ordinance of the City of Gautier and the Building, Fire Prevention and other applicable Codes of the City of Gautier and any amendments thereof, for the erection, construction, alteration, repair, relocation or change in use as indicated hereinafter and as shown in the accompanying plans and specifications and the representations therein contained are made a part of this application. In making this application the undersigned hereby acknowledges the validity of the zoning, fire prevention, building and other applicable ordinances and codes of the City of Gautier, and agrees that the provisions thereof shall be binding upon applicant as a condition precedent to the issuance of a permit.

APPLICANT TO COMPLETE NUMBERED SPACES ONLY

1. PROPERTY LOCATION
STREET NAME: ALLEN ROAD
NUMBER: 5500
LOT & BLOCK NO. (IF APPLICABLE)

2. CLASS OF WORK
☐ NEW ☐ ADDITION ☐ ALTERATION ☐ REPAIR ■ ACCESSORY BUILDING
☐ OTHER _____

3. OWNER: B & D PLASICS, LLC
PRESENT ADDRESS: 5500 ALLEN ROAD, OCEAN SPRINGS, MS 39564
PHONE: (228) 875 - 5865

4. CONTRACTOR: AUGUSTA FIBERGLASS COATINGS, INC.
ADDRESS: 95 LAKE CYNTHIA ROAD, BLACKVILLE, SC 29817
PHONE: (803) 284-2246

5. EXISTING USE OF PROPERTY
MANUFACTURING FACILITY

6. INTENDED USE
ASSEMBLY BUILDING

7. VALUATION OF WORK
$ 80,000.00

DO NOT WRITE IN THIS SPACE

___BUUILDING FEE _____
___ELECTRICAL FEE _____
___PLUMBING FEE _____
___MECHANICAL FEE _____

TOTAL: _____

8. STRUCTURE INFORMATION

SQ. FT. OF LOT 55,000 sq.ft.

BUILDING SIZE
WIDTH Main: 75' / Lean-to: 30'
LENGTH Main: 125' / Lean-to: 50'
HEIGHT (ROOFTOP) Main: 50' / Lean-to: 30'
BUILDING (SQUARE FOOTAGE) 10,875 sq.ft.

BUILDING MATERIALS
FOUNDATION CONCRETE
EXT. WALL STEEL & SHEETING
INT. WALL STEEL & SHEETING
ROOF STEEL & SHEETING

9. SIGNATURE
R. DALE CRIDER JR. R. Dale Crider Jr.
DATE 09/28/2012 9/28/12

ALL PLANS & SPECIFICATIONS MUST BE ATTACHED

FOR OFFICE USE ONLY

(A) FLOOD PLAIN INFORMATION: FLOOD ZONE _____ CERTIFIED ELEV. IF IN "A" ZONE _____

(B) PARKING SPACES: REQUIRED _____

ORIG	VIC		SEC		TS	RG	FL	CLASS	UNITS	

(C) ZONING DISTRICT _____

(D) AREA, SETBACK REG:
GREATER SETBACKS (IF APPLICABLE)

(E) PC HEARING NO. _____

NUCOR BUILDING SYSTEMS
A DIVISION OF NUCOR CORPORATION

PROJECT NUMBER: W08X0666A
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
PROJECT LOCATION: BOW, NH COUNTY: MERRIMACK
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC

MBMA MEMBER

NOTES AND SPECIFICATIONS

BUILDING ERECTION NOTES

1) THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND MBMA STANDARDS PERTAINING TO PROPER ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE CORRECT USE OF TEMPORARY GUYS AND BRACING WHERE NEEDED FOR SQUARING, PLUMBING, AND SECURING THE STRUCTURAL AND SECONDARY FRAMING. SECONDARY WALL FRAMING MEMBERS (GIRTS OR BAR JOISTS) ARE NOT DESIGNED TO FUNCTION AS A WORK PLATFORM OR PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS. SECONDARY ROOF FRAMING MEMBERS (PURLINS OR BAR JOISTS) ARE NOT DESIGNED TO PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS.

2) ALL HIGH STRENGTH BOLTS ARE TYPE ASTM A325 AND ARE TO BE INSTALLED TO THE "SNUG-TIGHT" CONDITION AS DEFINED BY THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, 2004 EDITION, SECTION 8.1, UNLESS NOTED OTHERWISE. ALSO, NOTE THAT BOLTS IN STANDARD HOLES DO NOT REQUIRE WASHERS PER THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, SECTION 6.

3) ALL A307 MACHINE BOLTS ARE TO BE BROUGHT TO A "SNUG TIGHT" CONDITION TO ENSURE THAT THE MATERIALS IN THE JOINT ARE BROUGHT INTO GOOD CONTACT WITH EACH OTHER.

4) WASHERS ARE REQUIRED AT ALL SLOTTED CONNECTIONS AS FOLLOWS:
-HOLE TO SLOT CONNECTION, ONE WASHER REQUIRED ON SLOTTED SIDE.
-SLOT TO SLOT CONNECTION, TWO WASHERS REQUIRED, ONE ON EACH SIDE OF THE CONNECTION. HOWEVER AT LAPPED ZEE MEMBERS, WHETHER PURLINS OR GIRTS, NO WASHERS ARE REQUIRED IN THE 8-BOLT LAPPED REGION.

5) THE METAL BUILDING SUPPLIER SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. MODIFICATIONS SHALL BE APPROVED BY THE METAL BUILDING SUPPLIER BEFORE WORK IS UNDERTAKEN.

6) ALL WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.

7) COMMON ABBREVIATIONS:

a) TYP UNO-TYPICAL UNLESS NOTED OTHERWISE	f) SIM.-SIMILAR
b) SLV-SHORT LEG VERTICAL	g) NIC-NOT IN CONTRACT
c) LLV-LONG LEG VERTICAL	h) SL-STEEL LINE
d) NS & FS-NEAR SIDE AND FAR SIDE	i) N/A-NOT APPLICABLE
e) O.A.L.-OVERALL LENGTH	j) MBS-METAL BUILDING SUPPLIER

8) CONSTRUCTION LOADS SHALL NOT BE PLACED ON ANY STRUCTURAL STEEL FRAMEWORK UNLESS SUCH FRAMEWORK IS SAFELY BOLTED, WELDED, OR OTHERWISE ADEQUATELY SECURED.

9) PURLINS AND GIRTS SHALL NOT BE USED AS AN ANCHORAGE POINT FOR A FALL ARREST SYSTEM UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE METAL BUILDING SUPPLIER.

10) PURLINS MAY ONLY BE USED AS A WALKING/WORKING SURFACE WHEN INSTALLING SAFETY SYSTEMS, AFTER ALL PERMANENT BRIDGING HAS BEEN INSTALLED AND FALL PROTECTION IS PROVIDED.

11) CONSTRUCTION LOADS MAY BE PLACED ONLY WITHIN A ZONE THAT IS WITHIN 8 FEET OF THE CENTER-LINE OF THE PRIMARY SUPPORT MEMBER. CFR BUNDLES SHOULD BE PLACED DIRECTLY OVER THE RIGID FRAMES.

12) ALL LIFTING DEVICES MUST MEET OSHA OR MSHA STANDARDS AND IN NO CASE IS IT ACCEPTABLE TO USE STRUCTURAL MEMBERS SUPPLIED BY THE MBS AS A SPREADER BAR OR LIFTING DEVICE.

GENERAL DESIGN NOTES AND MATERIAL SPECIFICATIONS

1) ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN", NINTH EDITION, OR THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", THIRTEENTH EDITION, AS REQUIRED BY THE SPECIFIED BUILDING CODE.

2) ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE", LATEST EDITION.

3) ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

4) ALL WELDING OF COLD FORMED STEEL IS BASED ON AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL", LATEST EDITION.

5) IF JOISTS ARE INCLUDED WITH THIS PROJECT, THEY ARE SUPPLIED AS A PART OF THE SYSTEMS-ENGINEERED METAL BUILDING AND ARE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1926.758 OF THE OSHA SAFETY STANDARD FOR STEEL ERECTION, DATED JANUARY 18, 2001.

6) MATERIAL SPECIFICATIONS:
PLATE AND FLANGE MATERIAL:
5"-12" WIDE & THRU 1" THICK ____ A529, GRADE 55
OTHERS ____ A36
BUILT-UP STRUCTURAL WEB MATERIAL ____ A1011 SS (OR HSLAS CL1) GR 55
HOT-ROLLED STRUCTURAL ____ A36 OR A572 GRADE 50
STRUCTURAL TUBE ____ A500 GRADE B (46 KSI)
STRUCTURAL PIPE ____ A500 GRADE B (42 KSI)
COLD-FORMED STRUCTURAL ____ A1011 SS (OR HSLAS CL1) GR 55 MOD 57
RPB ROOF PANELS ____ A792 GRADE 80
STANDING SEAM ROOF PANELS ____ A792 GRADE 80, CLASS 1
R-PANEL AND A-PANEL SIDING ____ A653 GRADE 80, CLASS 1 OR A792 GRADE 80, CLASS 1
ROD BRACING ____ A529 GRADE 50
CABLE BRACING ____ A475 COATING CLASS A, GRADE EHS, 7-WIRE
WELDS ____ AWS D1.1 LATEST EDITION
HIGH-STRENGTH BOLTS ____ A325 TYPE 1 HEAVY HEX OR A490 TYPE 1 HEAVY HEX
MACHINE BOLTS ____ A-307 GRADE A HEX

TRADEMARK 2004, NUCOR BUILDING SYSTEMS

PRIMARY AND SECONDARY STEEL PRIMER COLOR: RED

ROOF SHEETING, TYPE: CLASSIC 26 GAGE, FINISH: GALVALUME

ROOF PANEL CLIP TYPE: ☒N/A ☐TALL ☐SHORT ☐UTILITY ☐FIXED ☐FLOATING

THERMAL BLOCKS: ☐YES ☒NO EPS FOAM SPACER: ☐YES ☒NO

SEAMING METHOD (FOR CFR ONLY): ☐ROLL LOCK™ ☐VISE LOCK™ ☐VISE LOCK 360™
(REFER TO THE DETAIL PAGES FOR ADDITIONAL SEAMING INFORMATION)
(CLASSIC AND CFR GUTTER HANGERS ARE PROVIDED IN GALVANIZED COLOR ONLY. VR16 GUTTER HANGERS ARE AVAILABLE COLORED.)

COMPOSITE ROOF DECK, TYPE: N/A ____ GAGE, FINISH: ____

ROOF DECK ONLY, TYPE: N/A ____ GAGE, FINISH: ____

ROOF LINE TRIM, PAINTED: LIGHTSTONE

EXTERIOR WALL SHEETING, TYPE: CLASSIC WALL 26 GAGE, FINISH: LIGHTSTONE

EXTERIOR WALL CORNER TRIM FINISH: LIGHTSTONE

EXTERIOR BASE TRIM, PAINTED: BURNISHED SLATE

FRAMED OPENING TRIM, PAINTED: LIGHTSTONE

FRAMED OPENING COVER TRIM, PAINTED: N/A

WALL FRAMED OPENING, SIZES: (1) 25'x30' (1) 50'x48'-8" (1) 15'x15'

INTERIOR WALL SHEETING, TYPE: N/A ____ GAGE, FINISH: ____

INTERIOR CEILING LINER, TYPE: N/A ____ GAGE, FINISH: ____

INTERIOR WALL TRIM, PAINTED: N/A

YES	NO	
☐	☒	DOWNSPOUTS PAINTED: ____ GUTTERS PAINTED: ____
☒	☐	WALKDOORS, QUANTITY: (2) 3070 PAINTED: POLAR WHITE
☐	☒	WINDOWS: ____ PAINTED: ____
☒	☐	INSULATION (NOT BY NBS), ROOF: 4" BATT WALLS: 4" BATT
☐	☒	CRANES (SEE CRANE PLAN FOR ADDITIONAL CRANE INFORMATION)
☐	☒	MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL MEZZANINE INFO)
☐	☒	WALL TRANSLUCENT PANELS, LENGTH: ____ QUANTITY: ____
☐	☒	ROOF TRANSLUCENT PANELS, LENGTH: ____ QUANTITY: ____ INSULATED PANELS YES ☐ NO ☐
☐	☒	PIPE JACKS, SIZE: ____ QUANTITY: ____
☐	☒	ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES
☐	☒	ROOF CURBS (BY NBS), SEE ROOF FRAMING PLAN FOR SIZES
☐	☒	RIDGE VENTS, 10'-0" LONG X ☐12" ☐9" THROAT. QUANTITY: ____ SINGLE UNITS ☐ CONTINUOUS UNITS ☐

THE 15'x15' ROLL UP DOOR FRAMED OPENING SUPPLIED ON THIS PROJECT HAS BEEN DESIGNED TO SUPPORT A TOTAL HANGING DEAD WEIGHT OF 2250 LBS. IN ADDITION, THE FRAMED OPENING HAS BEEN DESIGNED TO SUPPORT WIND LOAD, NORMAL TO THE DOOR, BASED ON THE STANDARD BUILDING CODE CRITERIA. THE FRAMED OPENING HAS NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCE FROM THE DOOR. ANY CHANGE TO THE INFORMATION SHOWN HERE WOULD REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

DESIGN ASSUMES THAT THE PLASTIC TARP FOR THE 50'x48'-8" AND 25'x30' FRAMED OPENINGS WILL BE ATTACHED IN SUCH A WAY THAT NO CATENARY FORCES WILL BE APPLIED TO THE NUCOR STRUCTURE.

YES	NO	
☐	☒	FASCIA, PROJECTION: ____ TOP OF FASCIA HEIGHT: ____ FACE PANEL, TYPE: ____ GAGE, FINISH: ____ BACK PANEL, TYPE: ____ GAGE, FINISH: ____ CAP TRIM PAINTED: ____ BASE TRIM PAINTED: ____ ☐CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM: ____ SOFFIT PANEL, TYPE: ____ GAGE, FINISH: ____ SOFFIT TRIM AT BUILDING LINE PAINTED: ____ ☐OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED) CLEAR UNDER FASCIA: ____
☐	☒	PARAPET SYSTEM ☐STRUCTURAL PARAPET ☐NON-STRUCTURAL PARAPET ☐NOT BY MBS TOP OF PARAPET HEIGHT: ____ BACKER PANEL, TYPE: ____ GAGE, FINISH: ____
☐	☒	CANOPY (EXPOSED BEAM), PROJECTION: ____ AT EAVE LINE ☐ BELOW EAVE ☐ ROOF PANEL, TYPE: ____ GAGE, FINISH: ____ SOFFIT PANEL, TYPE: ____ GAGE, FINISH: ____ SOFFIT TRIM AT BUILDING LINE PAINTED: ____ CLEAR UNDER CANOPY BEAM: ____
☐	☒	BOXED-OUT CANOPY, PROJECTION: ____ ☐AT EAVE LINE ☐BELOW EAVE ROOF PANEL, TYPE: ____ GAGE, FINISH: ____ FACE PANEL, TYPE: ____ GAGE, FINISH: ____ SOFFIT PANEL, TYPE: ____ GAGE, FINISH: ____ SOFFIT TRIM AT BLDG LINE PAINTED: ____ CLEAR UNDER SOFFIT: ____ BASE TRIM PAINTED: ____
☐	☒	EAVE EXTENSION (CONCEALED BEAM), PROJECTION: ____ SOFFIT PANEL, TYPE: ____ GAGE, FINISH: ____ SOFFIT TRIM AT BUILDING LINE PAINTED: ____
☐	☒	RAKE EXTENSION, PROJECTION: ____ SOFFIT PANEL, TYPE: ____ GAGE, FINISH: ____ SOFFIT TRIM AT BUILDING LINE PAINTED: ____
☐	☒	PARTITION WALL SHEETING PANEL TYPE: ____ GAGE, FINISH: ____ PARTITION WALL TRIM COLOR: ____

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am duly licensed Professional Engineer under the laws of the State of New Hampshire.
Signature [signature] 1/20/09 Date
Printed or typed name Kevin R. Beckmann
Pages or sheets covered by this seal: See Drawing Index

STATE OF NEW HAMPSHIRE - KEVIN R. BECKMANN NO. 12108 LICENSED - PROFESSIONAL ENGINEER [signature] 1/20/09

BUILDING LOADS

DESIGN CODE: IBC 2006

ROOF LIVE LOAD: 20.00 PSF MBMA OCC. CLASS: III - SUBSTANTIAL HAZARD
NOT REDUCIBLE PER CODE

GROUND SNOW LOAD: 80.00 PSF SNOW EXP. FACTOR, Ce: 1.10
SNOW IMPORTANCE FACTOR, Is: 1.10

WIND: 100 mph WIND IMPORTANCE FACTOR, Iw: 1.15
EXPOSURE: C WITHIN HURRICANE COASTLINE ☒ YES ☐ NO

UL 90 ☐YES ☒NO
Classic Roof-Const. No. 161; Classic Roof w/ Translucent Panel-Const. No. 167
CFR Roof-Const. No. 300; CFR Roof w/ Translucent Panel-Const. No. 380;
VR16 Roof-Const. No. 366

SEISMIC INFORMATION Ss:0.361, S1:0.081
Design Sds/Sd1: 0.241/0.054 Site Class: B
Seismic Imp. Factor Ie: 1.25 Seismic Design Category: B
Analysis Procedure: Equivalent Lateral Force Method
Basic SFRS: Not Detailed For Seismic

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

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

	BUILDING Main	BUILDING Lean-to
ROOF DEAD (PSF):	4.00	4.00
PRI. COL. (PSF):	3	3
SEC. COL. (PSF):	3	3
SNOW Ct:	1.10	1.10
SNOW Cs:	1.00	1.00
ROOF SNOW (PSF):	55.90	55.90
WIND ENCLOSURE:	Partially Enclosed	Partially Enclosed
GCpi:	+/-0.55	+/-0.55
SEISMIC R:	3	3
SEISMIC Cs:	0.039	0.066
BASE SHEAR (KIPS):	7.30	3.00

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

☐ CFR ROOF	☐(H9400) OR ☐(H8290)	☐ SINGLE CURB (H8650)
☒ CLASSIC ROOF	☒(H9420) OR ☐(H8291)	☐ DOUBLE CURB (H8800)
☒ WALL SHEETING	☒(H9430) OR ☐(H8300)	☐ VR16 (H8900)
☐ JOIST BRIDGING PACKET (SENT SEPARATELY BY JOIST MANUFACTURER)		

DRAWING INDEX

COVERSHEET C1 A/BOLT DWGS F1, F2
COLUMN BASE REACTIONS R1-R10 (SEPARATE 8 1/2" x 11" SUBMITTAL)
STRUCTURAL/SHEETING DRAWINGS E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, E12, E13, E14, E15, E16, E17, E18, E19, E20, E21, E22, E23.
DETAILS D1, D2, D3, D4, D5, D6, D7, D8, D9.

ISSUE	DWN	CHK	ENG	P.E.	DATE
CONSTRUCTION ANCHOR BOLT	GLS	LC	TLA		11-05-08
PERMITS	LH/DR		TLA		11-18-08
FINAL ERECTION	LH/DR	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

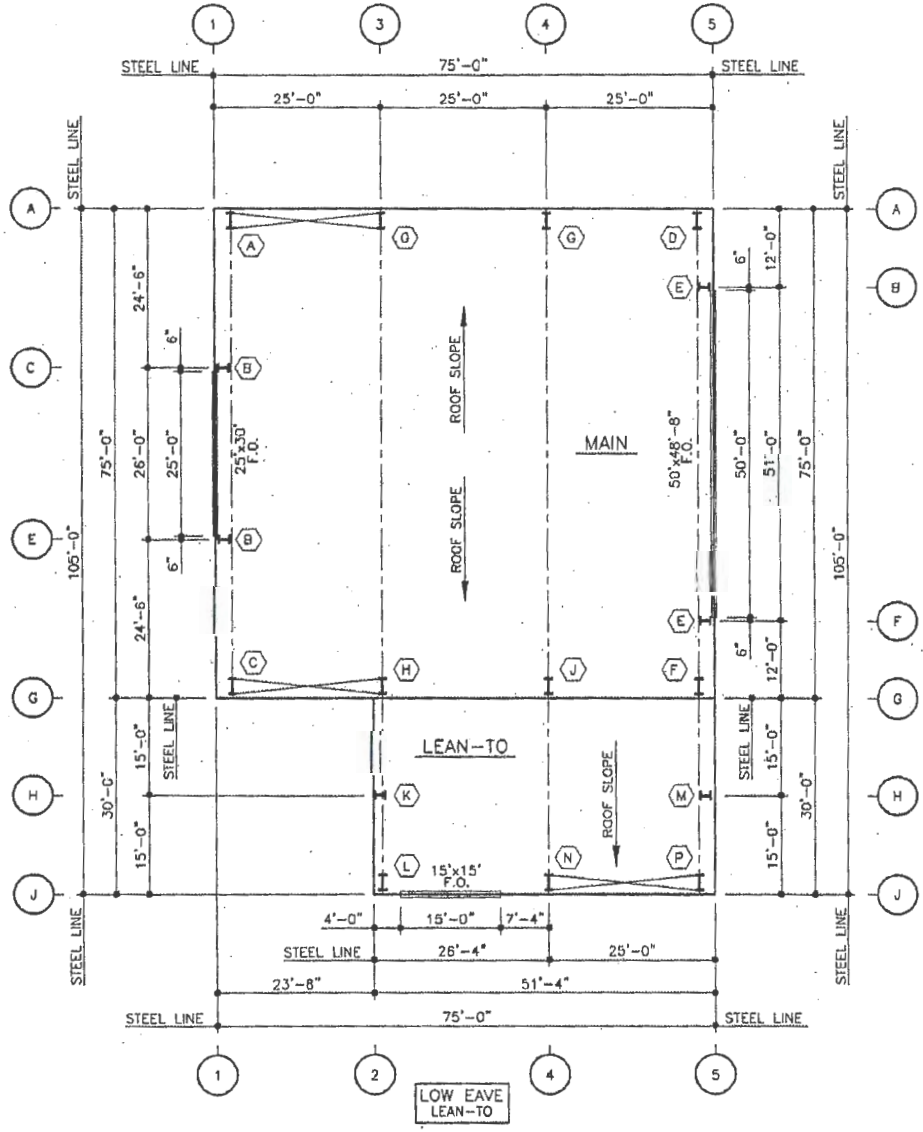
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO.:

THIS PAGE ... BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

STATE OF NEW HAMPSHIRE - KEVIN R. BECKMANN NO. 12108 LICENSED - PROFESSIONAL ENGINEER [signature] 5/21/09



ANCHOR BOLT PLAN

GENERAL NOTES

1. THE SPECIFIED ANCHOR BOLT SIZE ASSUMES ASTM F1554 GRADE 36 THREADED ROD MATERIAL FOR THE BOLTS. A36 THREADED ROD MAY BE USED IN PLACE OF F1554 ROD. ANCHOR BOLT EMBEDMENT LENGTH IS TO BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER.
2. THE METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR FOUNDATION DESIGN. THE FOUNDATION DESIGN SHALL BE DONE BY A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS.
3. ALL ANCHOR BOLTS, FLAT WASHERS FOR ANCHOR BOLTS, EXPANSION BOLTS, AND ALL CONCRETE/MASONRY EMBEDS ARE NOT BY THE METAL BUILDING MANUFACTURER.
4. THIS DRAWING IS NOT TO SCALE.
5. FINISHED FLOOR ELEVATION = 100'-0"
6. "SINGLE" CEE COLUMNS SHOULD BE ORIENTED WITH THE "TOES" TOWARD THE LOW EAVE UNLESS SHOWN OTHERWISE.

— CROSS BRACING

BOTTOM OF BASEPLATE
ELEV. = 100'-0"
AT FINISHED FLOOR

ANCHOR BOLT SCHEDULE

QUANTITY	SIZE	PROJECTION
20	3/4"	3" FROM BOTTOM OF BASE PLATE
24	1"	3" FROM BOTTOM OF BASE PLATE
48	1 1/4"	3" FROM BOTTOM OF BASE PLATE

THE ANCHOR BOLT SETTINGS SHOWN ON THESE DRAWINGS NOT ONLY INDICATE WHERE THE ANCHOR BOLTS ARE TO BE PLACED, BUT ALSO THE FOOTPRINT OF THE METAL BUILDING. IT IS ESSENTIAL THAT THESE BOLT PATTERNS BE FOLLOWED. IN THE EVENT THAT THESE SETTINGS DIFFER FROM THE ARCHITECTURAL FOUNDATION PLANS, THE METAL BUILDING MANUFACTURER MUST BE CONTACTED IMMEDIATELY, BEFORE CONCRETE IS PLACED.

ISSUE	DWN	CHK	ENG	P.E.	DATE
C. INSTRUCTION ANCHOR BOLT	GLS	LEH	TLA		11-05-08
PERMITS	LH/DR		TLA		11-18-08
FINAL ERECTION	LH/DR	CSS	LLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

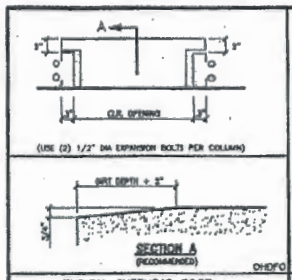
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

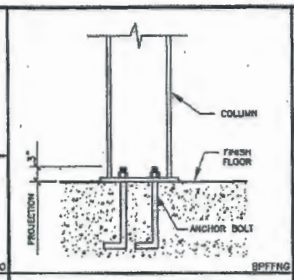
SHEET NO: 2

STATE OF NEW HAMPSHIRE
NEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

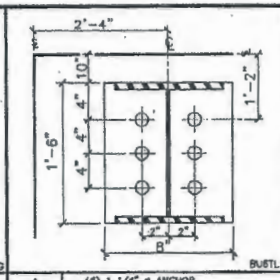
5/21/09



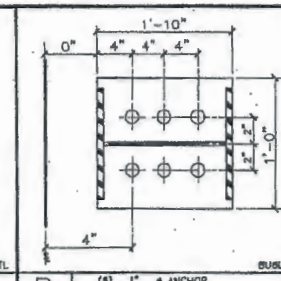
TYPICAL OVERHEAD DOOR FRAMED OPENING



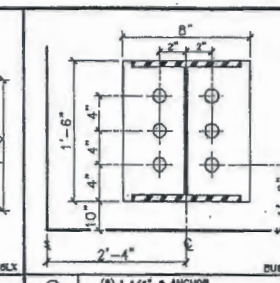
TYPICAL COLUMN BASE PLATE DETAIL



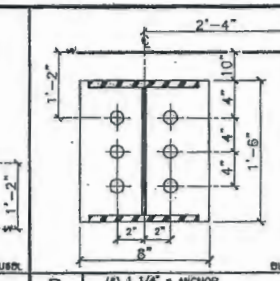
A (6) 1 1/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



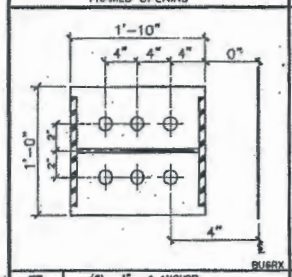
B (8) 1" ø ANCHOR BOLTS WITH A 3" PROJECTION



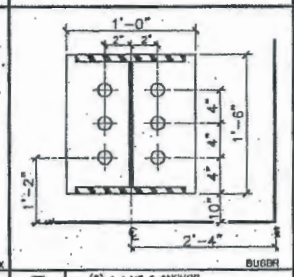
C (8) 1 1/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



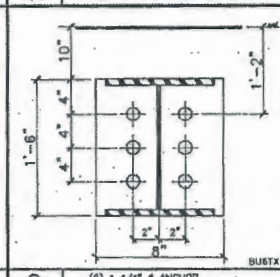
D (8) 1 1/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



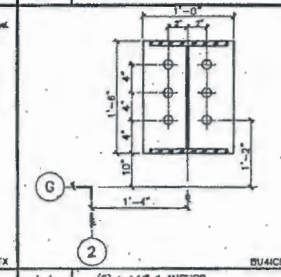
E (8) 1" ø ANCHOR BOLTS WITH A 3" PROJECTION



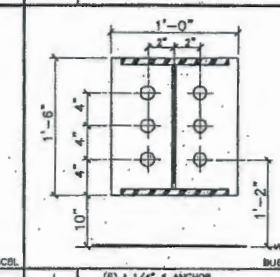
F (8) 1 1/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



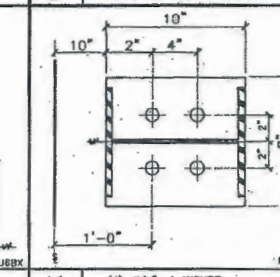
G (6) 1 1/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



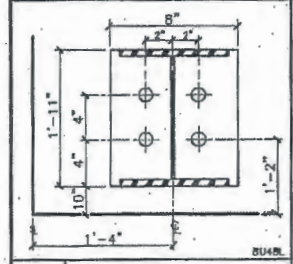
H (6) 1 1/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



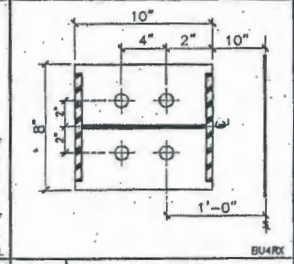
J (6) 1 1/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



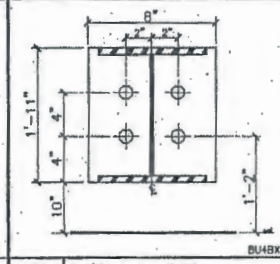
K (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



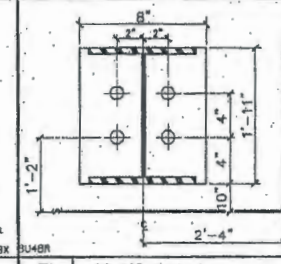
L (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



M (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



N (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION



P (4) 3/4" ø ANCHOR BOLTS WITH A 3" PROJECTION

ISSUE	DWN	CHK	ENG	PJC	DATE
CONSTRUCTION ANCHOR BOLT	GLS	LDY	TLA	TLA	11-05-09
PERMITS	LV/DR				11-18-09
FINAL DIRECTION	LV/DR	CSS			1-19-09

HUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

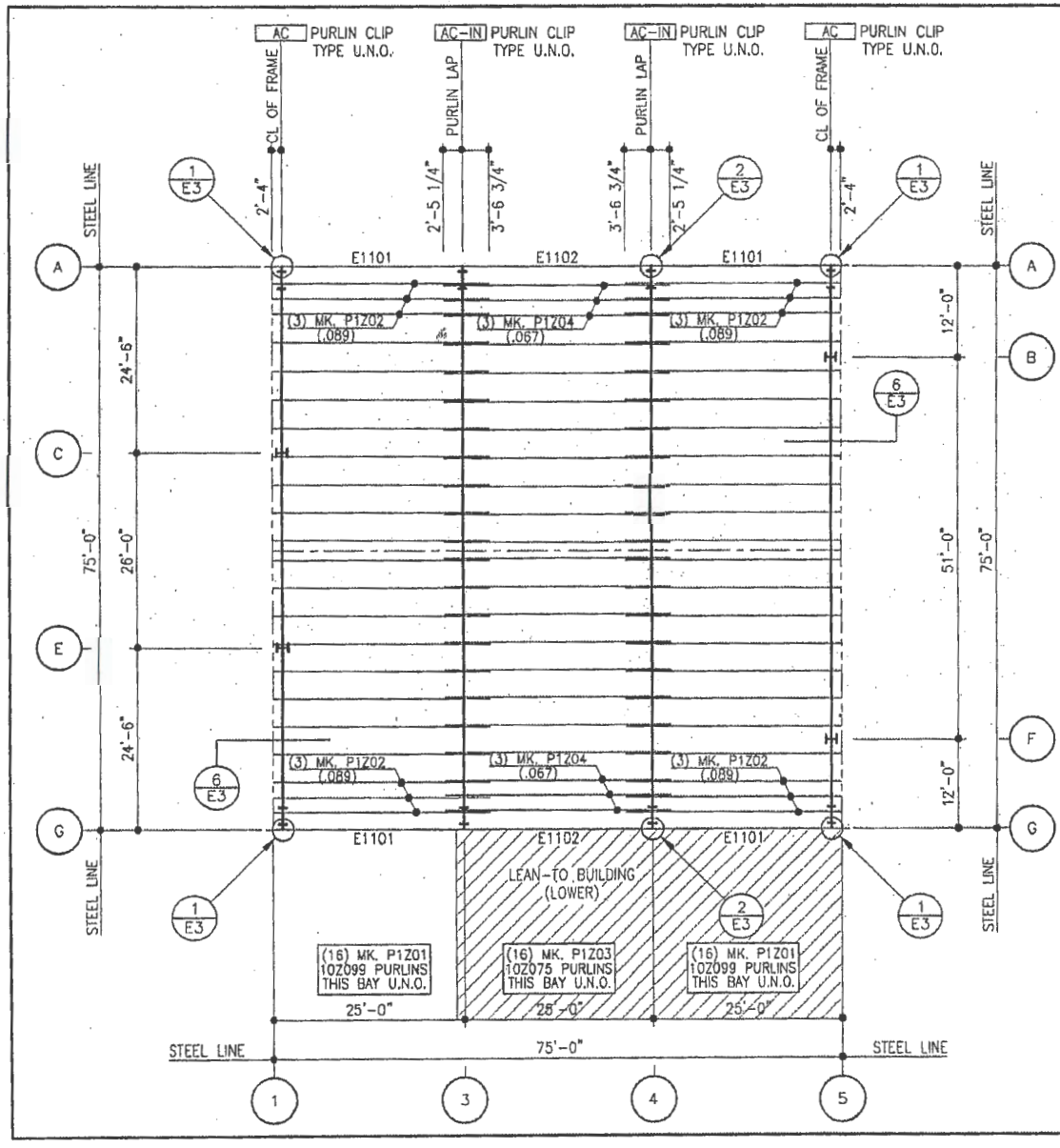
JOB NUMBER: W08X0666A

SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/2/09

THIS DRAWING AND THE DESIGN HAVE BEEN PREPARED BY ENGINEERING PERSONNEL, A DIVISION OF HUCOR CORPORATION. THE DRAWINGS AND THE DESIGN BUILDING WHICH THEY REPRESENT ARE THE PROPERTY OF HUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY HUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS AN REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



ROOF FRAMING PLAN

1) PURLIN AND EAVE STRUT CONNECTION BOLT REQUIREMENTS: A307 AND A325 BOLTS ARE BOTH USED. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
2) FBC__/FBE__ INDICATES FLANGE BRACING.
3) SEE SHEET E6-E8 FOR MAIN FRAME FLANGE BRACING.
4) ALL EAVE STRUTS ARE 10E060 U.N.O.

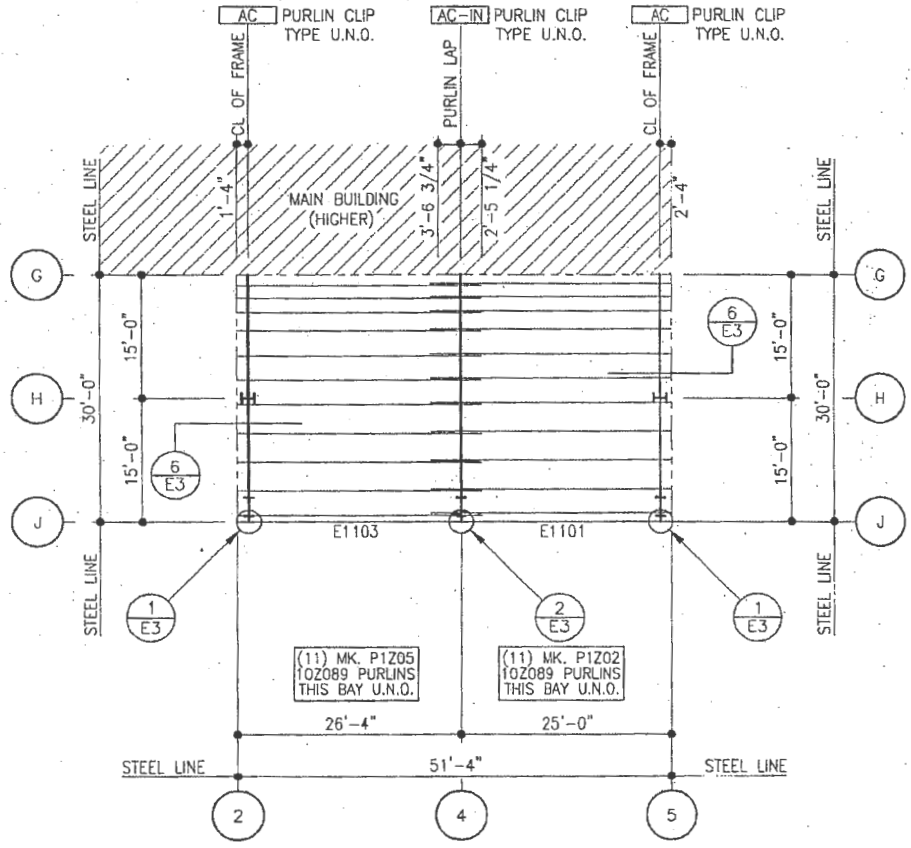
ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	LH/DR		TLA		11-18-08
FINAL ERECTION	LH/DR	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC
JOB NUMBER: W08X0666A
SHEET NO: E1

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



ROOF FRAMING PLAN

1) PURLIN AND EAVE STRUT CONNECTION BOLT REQUIREMENTS: A307 AND A325 BOLTS ARE BOTH USED. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
2) FBC__/FBE__ INDICATES FLANGE BRACING.
3) SEE SHEET E9 FOR MAIN FRAME FLANGE BRACING.
4) ALL EAVE STRUTS ARE 10E060 U.N.O.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT:	LH/DR		TLA		11-18-08
FINAL ERECTION	LH/DR	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

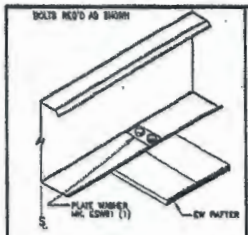
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET: 1

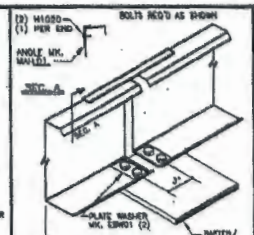
STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



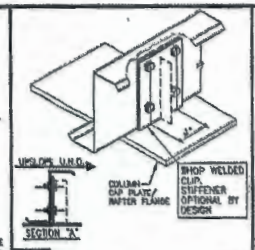
EAVE STRUT (1) E3

BYPASS SIDEWALL CONDITION
LOW EAVE BUILT-UP-EW CONDITION
USE (3) 1/2" X 2" A325 BOLT H0803/NUT H0230 U.N.O.



EAVE STRUT (2) E3

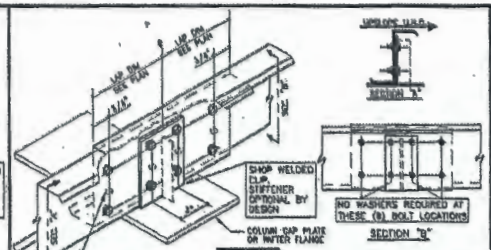
LOW EAVE BY-PASS SW CONDITION
USE (4) 1/2"x 2" A325 BOLT H0803/NUT H0230 U.N.O.



AC
WC
WS

WELDED CLIP @ END FRAME

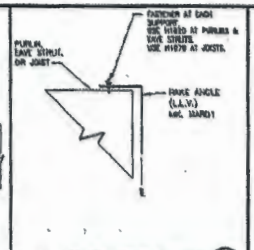
USE (4) 1/2" x 1 1/2" A307 BOLTS H0804/NUT H0400 U.N.O.
REFERENCE CONSTRUCTION NOTE FOR TYP. WASHER REQUIREMENTS



AC-IN
WC-IN
WS-IN

WELDED CLIP @ INTERIOR FRAME

USE (4) 1/2" x 1 1/2" A307 BOLTS H0804/NUT H0400 U.N.O.



RAKE ANGLE ATTACHMENT (6) E3

AT ENDWALL STEEL LINE

RAKE ANG

COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC. ARE SUSPENDED FROM ROOF MEMBERS, CONSULT NUCOR ENGINEERING IF THESE CONCENTRATED LOADS EXCEED 200 POUNDS, OR IF INDIVIDUAL MEMBERS ARE LOADED MONIFICANTLY MORE THAN OTHERS.

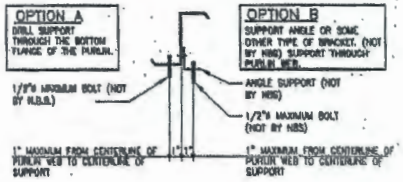
GENERAL RESTRICTION:

UNDER NO CIRCUMSTANCES CAN THE PURLIN STIFFENING LIP BE FIELD-MODIFIED FROM THE FACTORY SUPPLIED CONDITION. ALSO DO NOT HANG ANYTHING FROM PURLIN STIFFENING LIP.

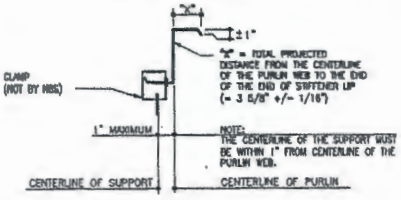
OPTIONS FOR SUPPORT ATTACHMENTS

OPTION A
DRILL SUPPORT THROUGH THE BOTTOM FLANGE OF THE PURLIN.

OPTION B
SUPPORT ANGLE OR SOME OTHER TYPE OF BRACKET. (NOT BY NBS) SUPPORT THROUGH PURLIN WEB.



OPTION C:
IF PURLIN FLANGE SUPPORT CLAMPS ARE USED.



NBS PURLIN SUPPORT METHODS

B00130

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	10/08	TJA			11-18-08
FINAL DIRECTION	10/08	CDS	T.J.A.		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

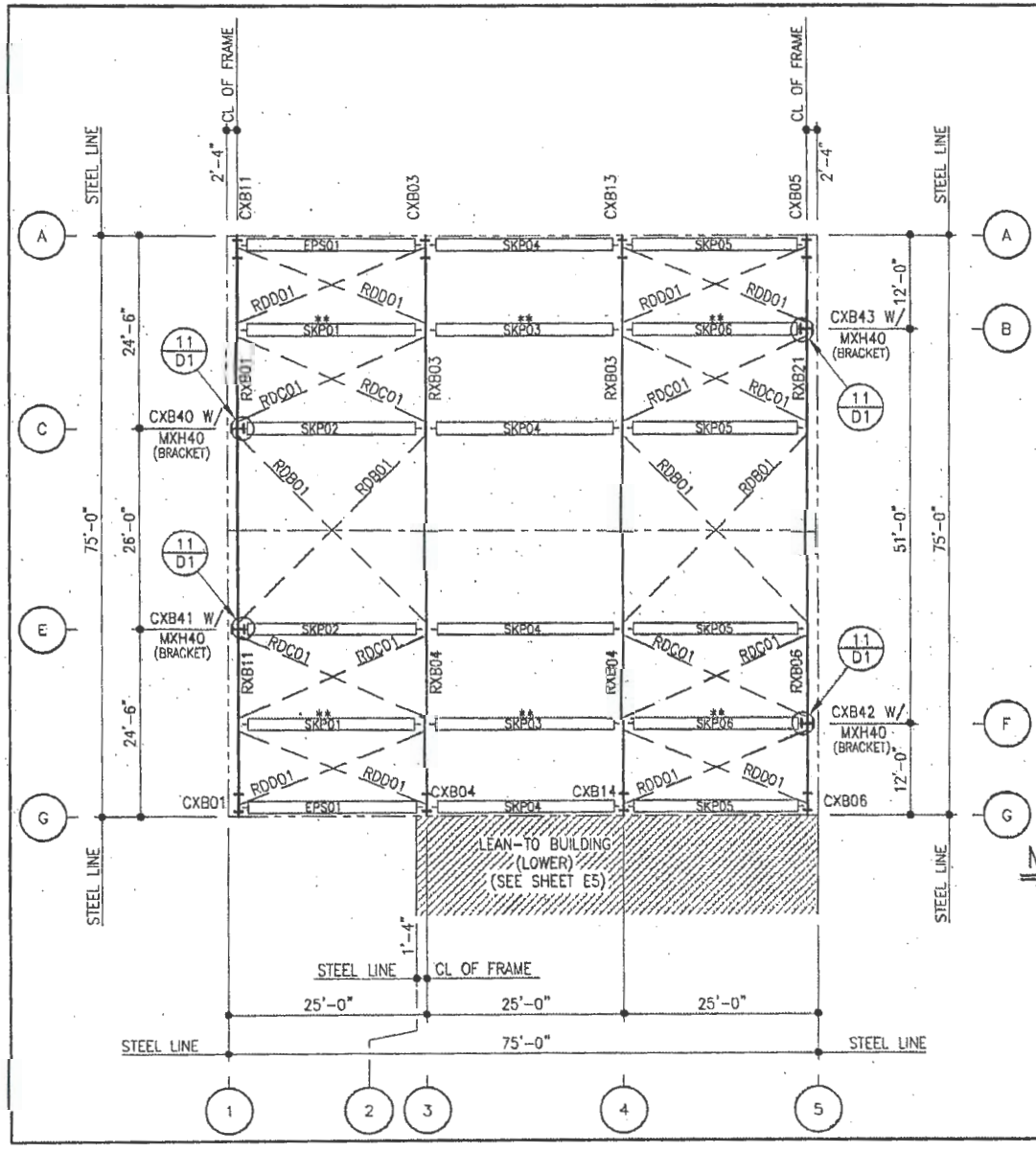
JOB NUMBER: W08X0666A

SHEET

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

THE DESIGN, DETAILS, DIMENSIONS AND MATERIALS SHOWN ON THIS DRAWING ARE PROPRIETARY TO NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE NOTES, MARKS, WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



MARK NUMBER AND BRACING PLAN

1) PLACE TAGGED END OF RAFTERS TOWARD THE LOW EAVE.

2) ROD-BRACING: SEE SHEET D1 FOR DETAIL
   RDB__ - INDICATES 5/8" ø ROD
   RDC__ - INDICATES 3/4" ø ROD
   RDD__ - INDICATES 7/8" ø ROD

3) EPS__ INDICATES (P8.148) MATERIAL PIPE STRUT. (SEE 10/D1 FOR REF.)

4) SKP__ INDICATES AN (8S075) MATERIAL BOX STRUT. (SEE 8/D1 U.N.O. FOR REF.)

5) ** SKP__ INDICATES AN (8S099) MATERIAL BOX STRUT. (SEE 8/D1 U.N.O. FOR REF.)

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

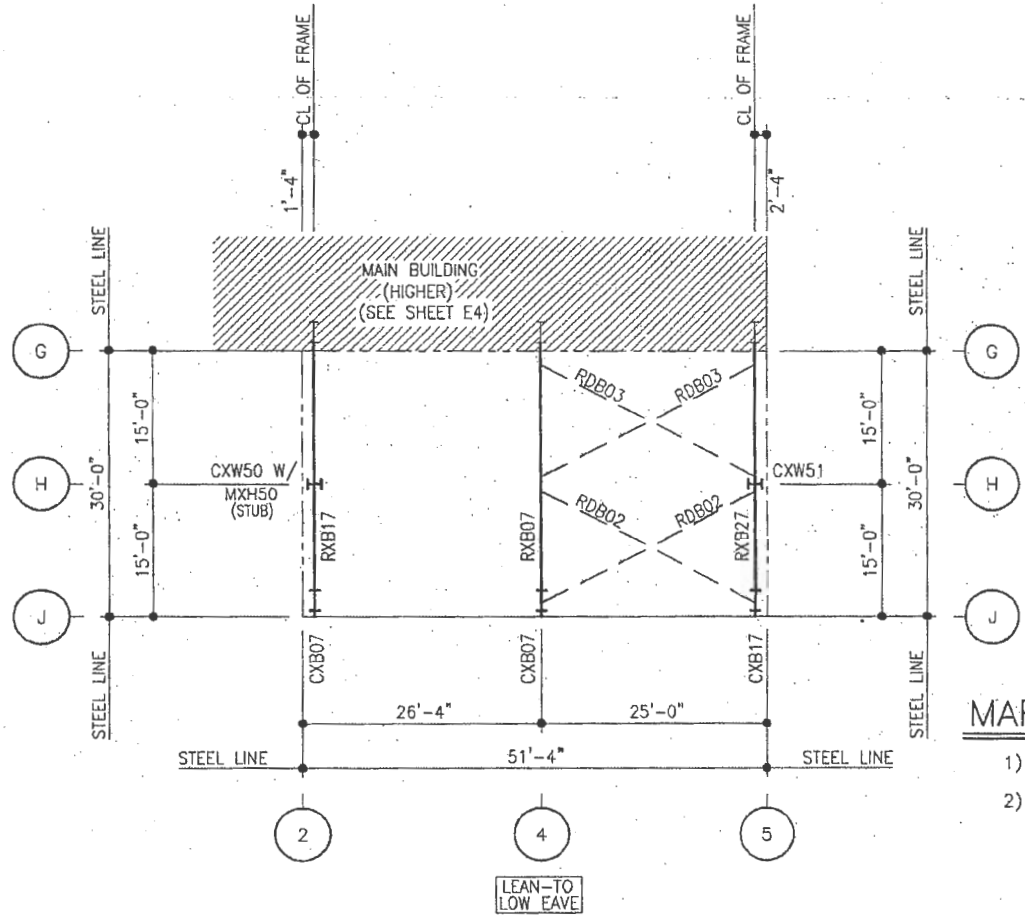
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



MARK NUMBER AND BRACING PLAN

1) PLACE TAGGED END OF RAFTERS TOWARD THE LOW EAVE.

2) ROD-BRACING: SEE SHEET D1 FOR DETAIL
RDB__ - INDICATES. 5/8" ø ROD

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	LH/DR		TLA		11-18-04
FINAL ERECTION	LH/DR	CSS	TLA		1-19-09

NUCOR
BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

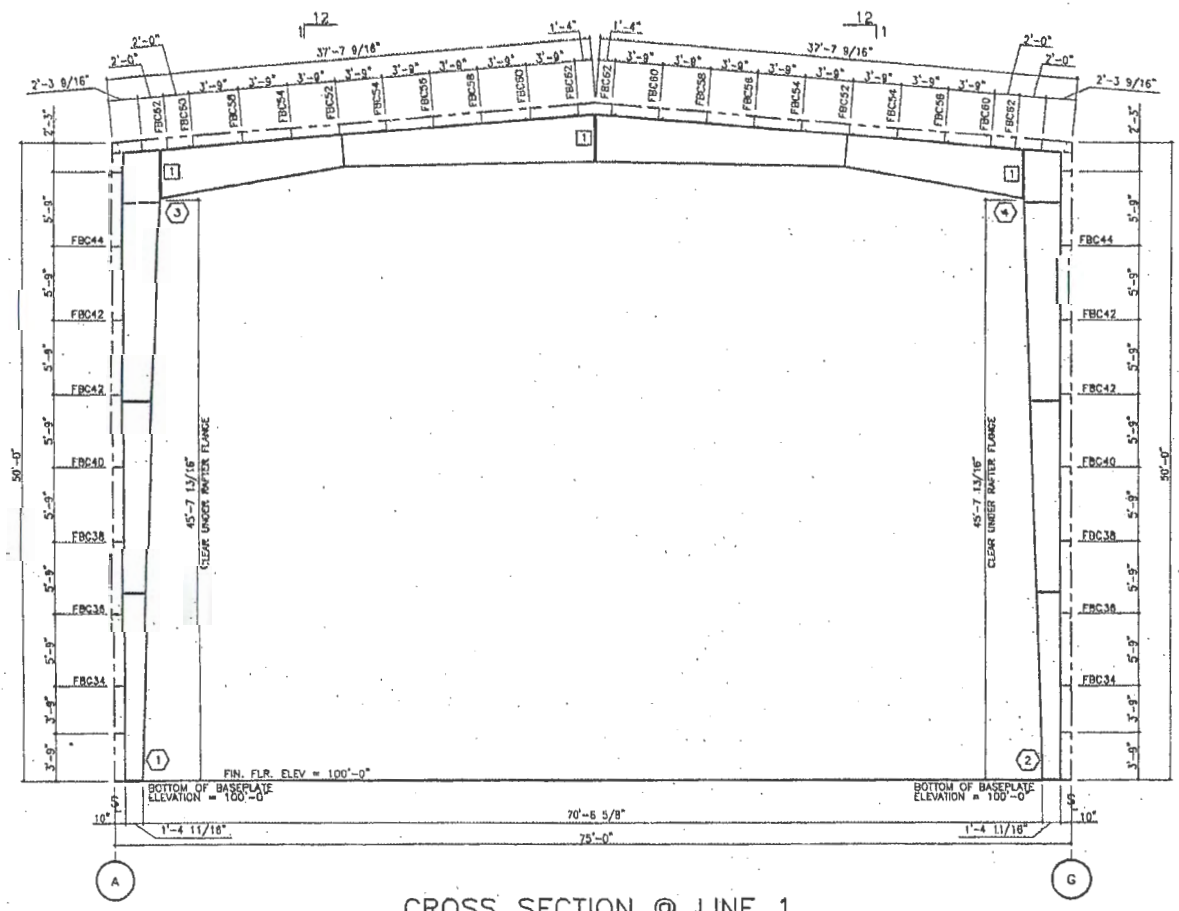
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



CROSS SECTION @ LINE 1

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	MEMBER WEB DEPTH1	MEMBER WEB THICK	DEPTH2
1	8.00	0.50	8.00	0.63	8.00 8.00	0.31 0.38	8.00 8.00	0.38 0.50	16.00 25.00 34.00	0.25 0.25 0.31	25.00 34.00 34.00
2	8.00	0.50	8.00	0.63	8.00 8.00	0.31 0.38	8.00 8.00	0.38 0.50	16.00 25.00 34.00	0.25 0.25 0.31	25.00 34.00 34.00
3	8.00	0.63	8.00	0.63	8.00 8.00	0.25 0.31	8.00	0.25	45.00 30.00	0.28 0.22	30.00 45.00
4	8.00	0.63	8.00	0.63	8.00 8.00	0.25 0.31	8.00	0.25	45.00 30.00	0.28 0.22	30.00 45.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E4 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) 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.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NMF PART#
1	B	BOLT/NUT 1" x 3 1/4" A325	HDG	HB 830

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	EH/DR		TLA		11-18-08
FINAL EXECUTION	EH/DR	CSS	JLA		1-19-09

NUCCR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

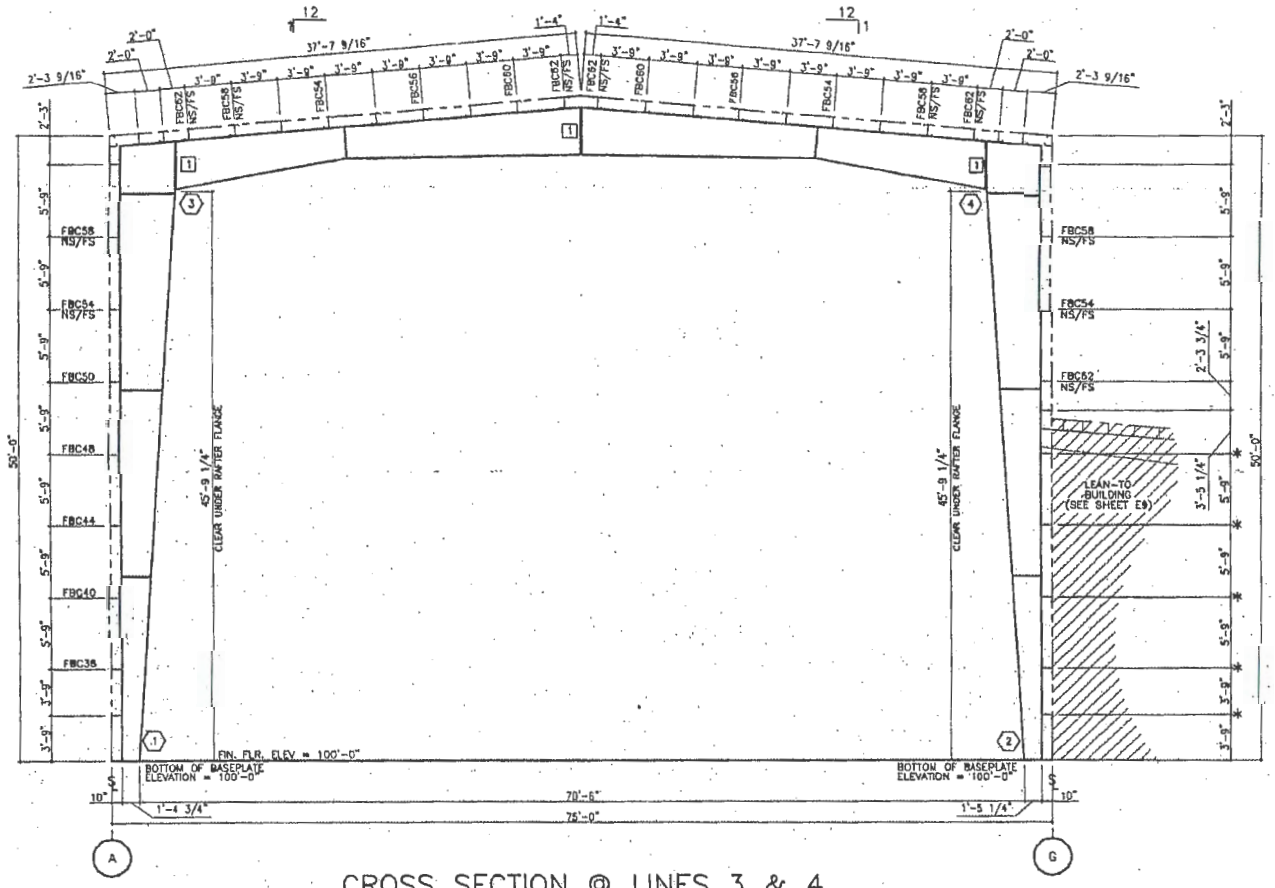
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO:

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



CROSS SECTION @ LINES 3 & 4

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	MEMBER WEB DEPTH1	MEMBER WEB THICK	DEPTH2
1	8.00	0.50	10.00	0.75	8.00	0.38	8.00	0.38	16.00	0.25	27.88
							8.00	0.50	27.88	0.25	39.75
									39.75	0.25	52.00
									52.00	0.25	52.00
2	12.00	0.63	12.00	0.75	12.00	0.63	12.00	0.63	16.00	0.25	27.88
									27.88	0.25	39.75
									39.75	0.25	52.00
									52.00	0.25	52.00
3	10.00	0.75	8.00	0.75	8.00	0.25	8.00	0.38	45.00	0.31	30.00
					8.00	0.38	8.00	0.25	30.00	0.25	45.00
4	10.00	0.75	10.00	0.75	10.00	0.38	10.00	0.38	45.00	0.31	30.00
									30.00	0.25	45.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E4 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) 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.
6) * – INDICATES THE GIRT IS AT LINE 3 ONLY.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NBY PART#
1	8	BOLT/NUT 1 1/4" x 3 1/2", A325	HD880	HD40

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	LH/DR		TLA		11-18-08
FINAL ERECTION	LH/DR	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

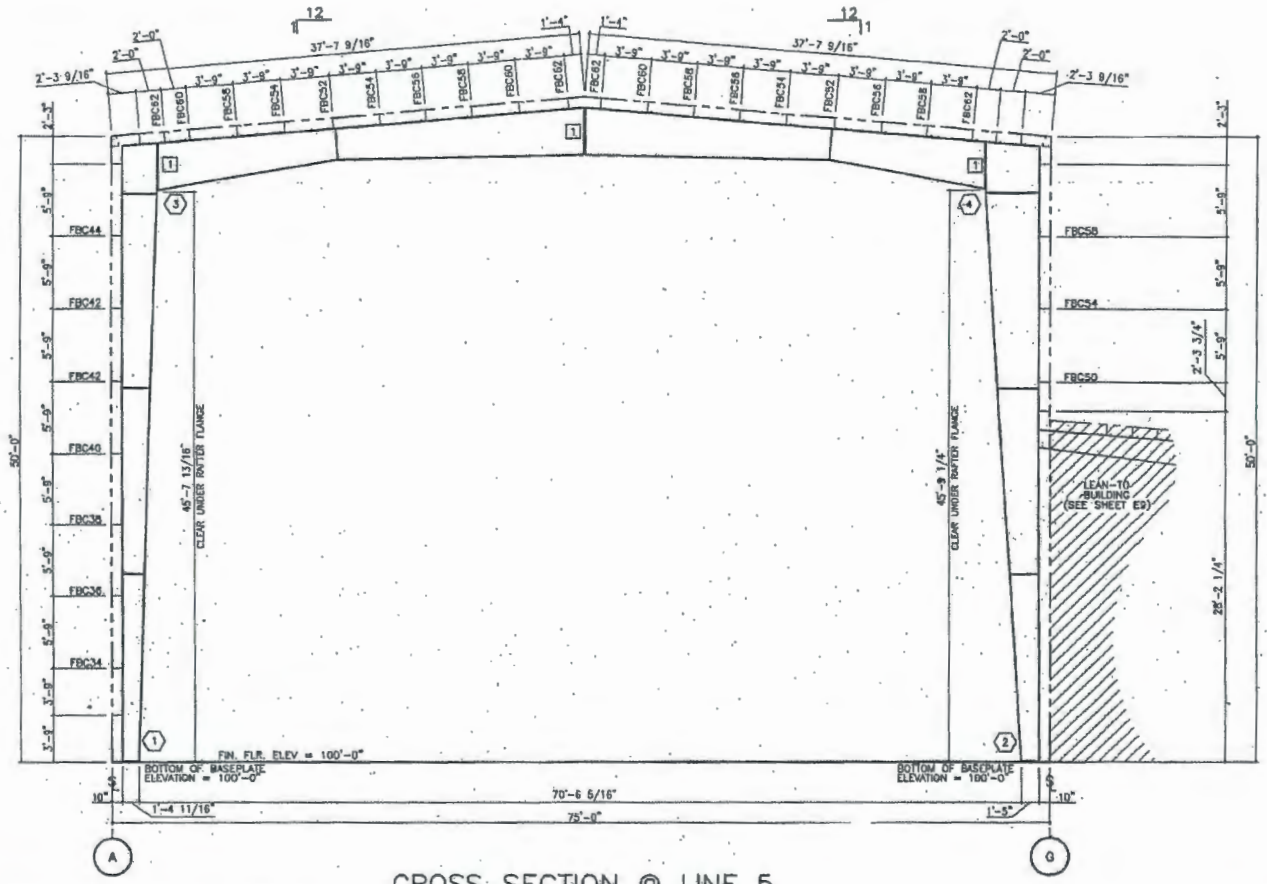
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



CROSS SECTION @ LINE 5

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	MEMBER WEB DEPTH1	MEMBER WEB THICK	DEPTH2
1	8.00	0.50	8.00	0.63	8.00 8.00	0.31 0.38	8.00 8.00	0.38 0.50	16.00 21.88 27.81 34.00	0.16 0.16 0.19 0.31	21.88 27.81 34.00 34.00
2	12.00	0.50	12.00	0.63	12.00 12.00	0.50 0.63	12.00	0.50	16.00 27.88 39.69 52.00	0.16 0.19 0.25 0.31	27.88 39.69 52.00 52.00
3	8.00	0.63	8.00	0.63	8.00 8.00	0.25 0.31	8.00	0.25	45.00 30.00	0.28 0.22	30.00 45.00
4	8.00	0.75	8.00	0.63	8.00	0.31	8.00	0.31	45.00 30.00	0.28 0.22	30.00 45.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E4 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) 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.

BOLT SCHEDULE

CDH ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NUT PART#
1	8	BOLT/NUT 1" x 3 1/8" A325	H0640	H033

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	JH/DR		TLA		11-18-08
FINAL ERECTION	JH/DR	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

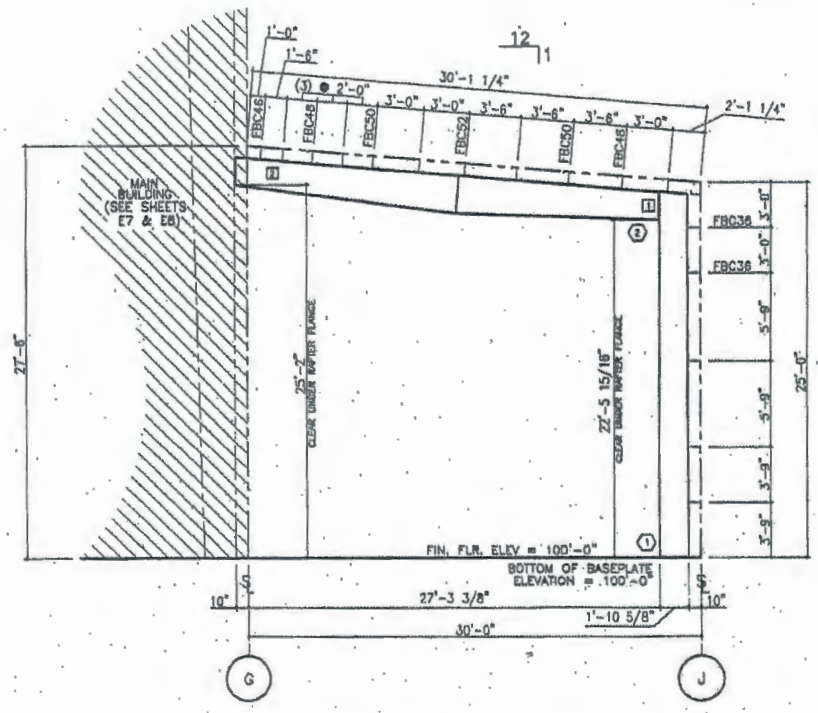
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO: E8

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



"LEAN-TO" CROSS SECTION @ LINES 3-5

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	MEMBER WEB DEPTH1	MEMBER WEB THICK	DEPTH2
1	8.00	0.25	8.00	0.25	8.00	0.31	8.00	0.31	22.00	0.15	22.00
2	8.00	0.50	8.00	0.50	8.00	0.38	8.00	0.31	33.00	0.25	30.00
									33.00	0.25	18.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E5 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) 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.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NUT PART#
1	8	BOLT/NUT 3/4" x 2 3/4" A325	H0838	H0838
2	6	BOLT/NUT 1" x 3 1/4" A325	H0840	H0840

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	LH/DM	CSS	TLA		11-18-08
FINAL ERECTION	LH/DM	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

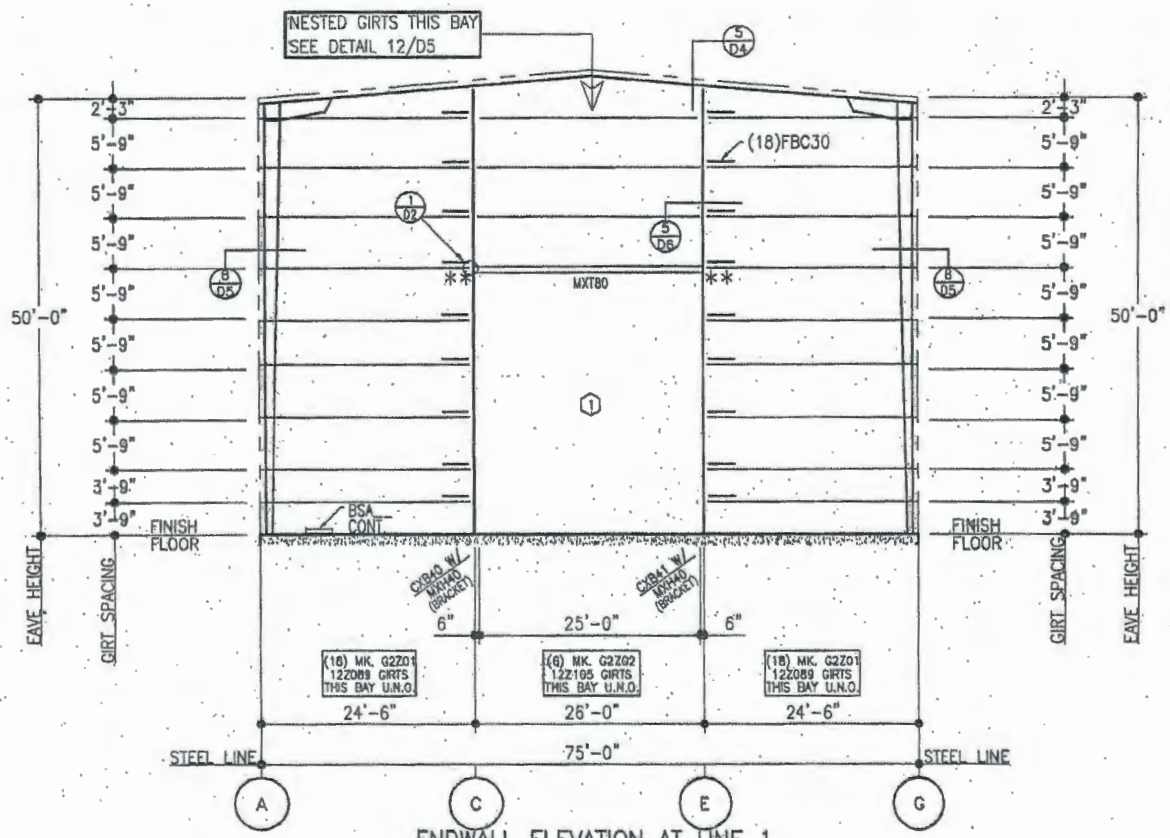
JOB NUMBER: W08X0666A

SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

FRAMED OPENING SCHEDULE								
I.D. NUMBER	QTY.	FRAMED OPENING SIZE		FRAMING MARK NUMBERS			SEE DETAIL	SILL HEIGHT A.F.F.
		WIDTH	HEIGHT	JAMBS	HEADER	SILL		
1	1	25'-0"	30'-0"	WIND COLUMNS	MXT80	N/A	1/D2	0'-0"



ENDWALL ELEVATION AT LINE 1

1) ALL GIRTS ON THIS ELEVATION ARE NESTED, SEE 11/D5 FOR DETAILS U.N.O.
2) MXT__ INDICATES 8X8X5/16" TUBE HEADER. SEE 1/D2 FOR DETAIL.
3) ** INDICATES GIRT CLIPS TO BE TOED UP IN THESE LOCATIONS. ATTACH GIRT CLIPS PRIOR TO ERECTING TUBE HEADER.
4) CXB__ INDICATES A 19 3/4" TOTAL DEPTH BUILT-UP ENDWALL WIND COLUMN W/ 12" X 1/2" FLANGES AND .220" THICK WEB.
5) MXH__ INDICATES A (W8x40) H.R. WIND COLUMN BRACKET.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	LH/DR		TLA		11-18-08
FINAL DIRECTION	LH/DR	CDS	TGA		1-19-09

MUSCO BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

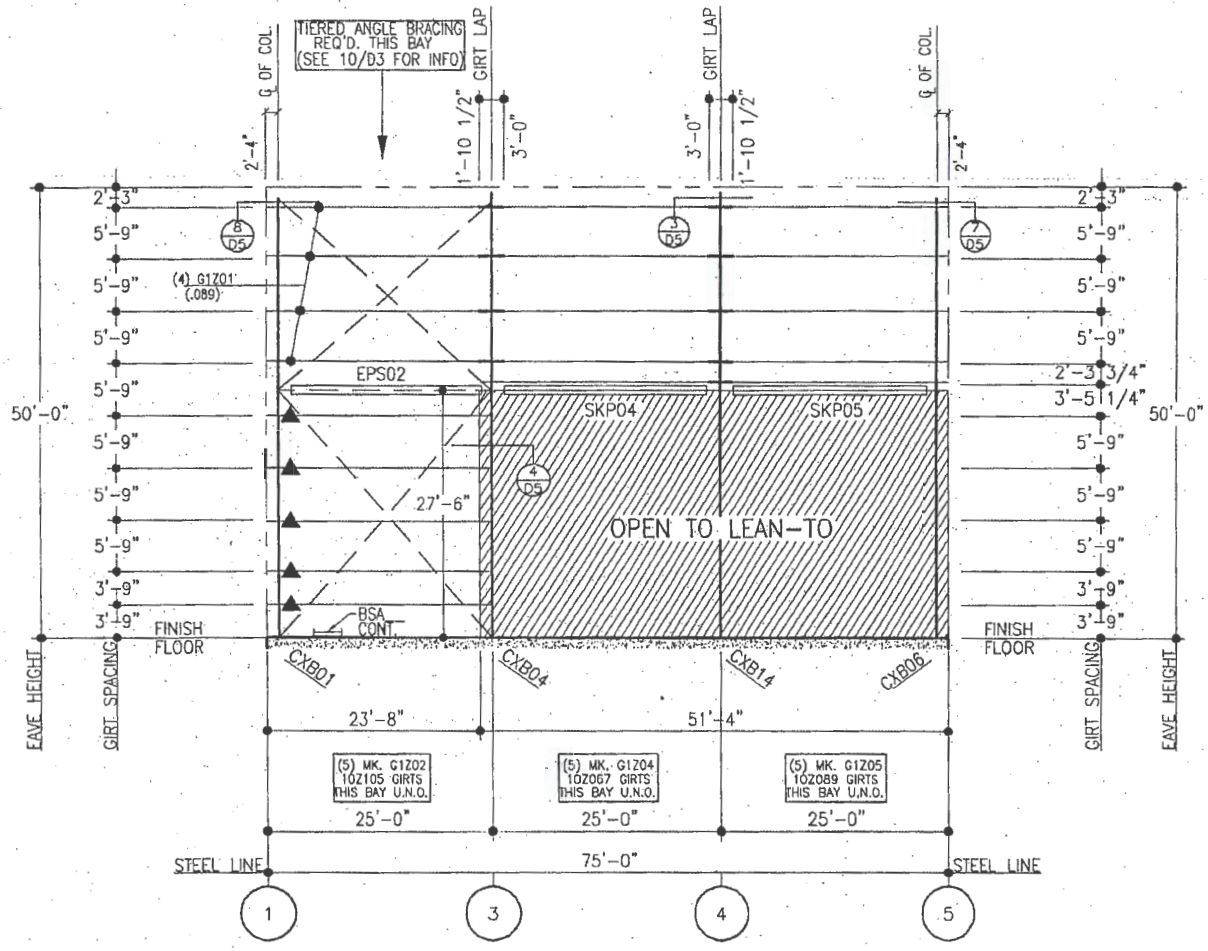
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

1/16/09



SIDEWALL ELEVATION AT LINE G

1) SKP___ INDICATES 08S075 MATERIAL BOX STRUT. SEE 8/D1 FOR DETAIL.
2) EPS___ INDICATES P8.148 MATERIAL PIPE STRUT. SEE 7/D1 FOR DETAIL.
3) ▲ INDICATES 10Z105 NESTED GIRTS, MK. G1Z03. SEE 9/D5 FOR DETAIL.

PERMITS	ISS/K	KM/DR	TLA	P.C.	11-18-08	
FINAL ERECTION		KM/DR	CSS		1-19-09	

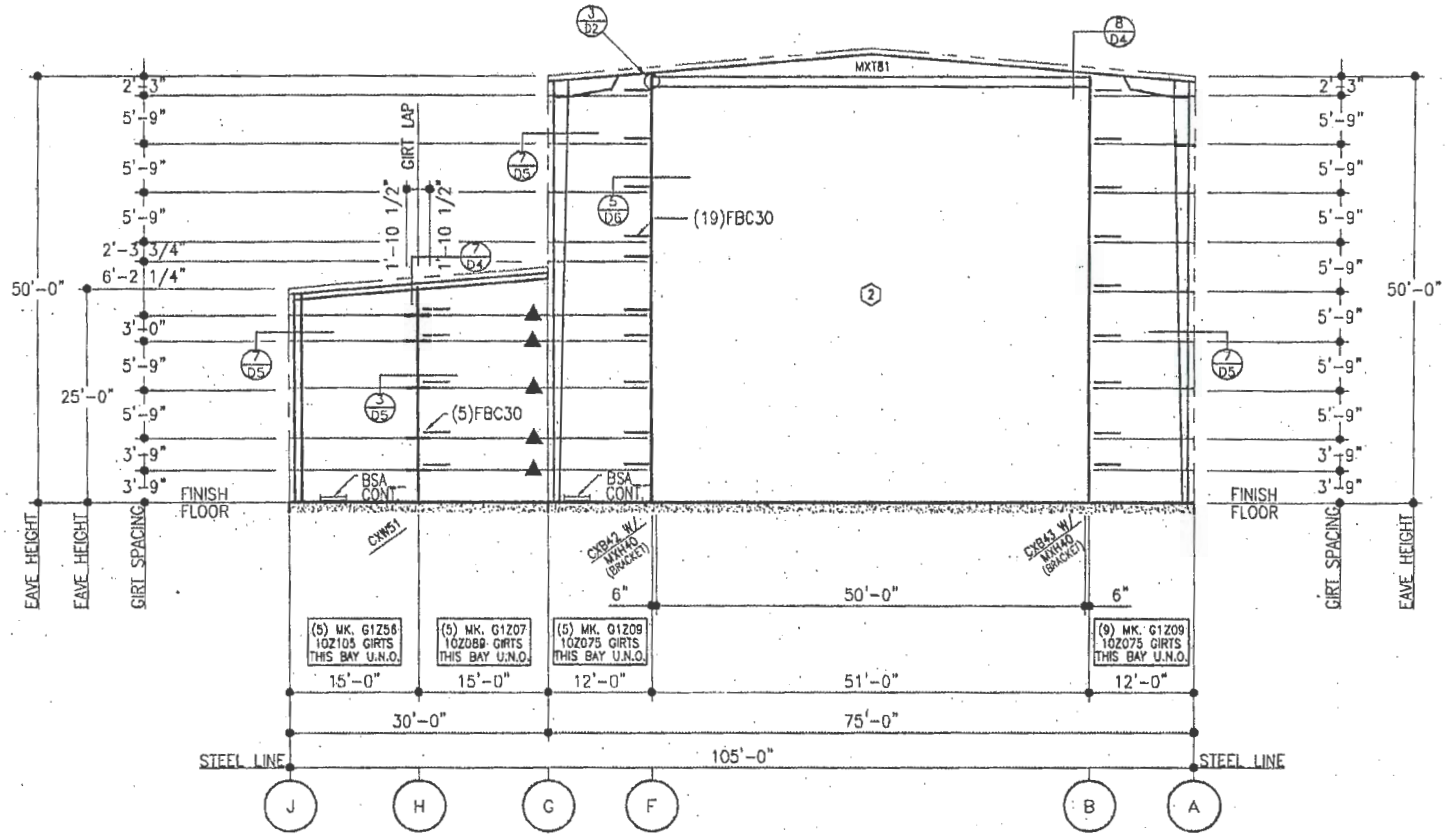
NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE SC
JOB NUMBER: W08X0666A
SHEET NO: E1

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

FRAMED OPENING SCHEDULE								
I.D. NUMBER	QTY.	FRAMED OPENING SIZE		FRAMING MARK NUMBERS			SEE DETAIL	SILL HEIGHT A.F.F.
		WIDTH	HEIGHT	JAMBS	HEADER	SILL		
2	1	50'-0"	48'-8"	WIND COLUMNS	MXT81	N/A	3/D2	0'-0"



ENDWALL ELEVATION AT LINE 5

1) ▲ INDICATES 10Z089 NESTED GIRTS, MK. G1Z08. SEE 10/D5 FOR DETAIL.
2) MXT__ INDICATES 14X14X1/2" TUBE HEADER. SEE 3/D2 FOR DETAIL.
3) CXB__ INDICATES A 19 3/4" TOTAL DEPTH BUILT-UP ENDWALL WIND COLUMN W/ 12" X 1/2" FLANGES AND .220" THICK WEB.
4) MXH__ INDICATES A (W8x40) H.R. WIND COLUMN BRACKET.
5) CXW__ INDICATES A (W8x24) H.R. WIND COLUMN.

ISSUE		DWN	CHK	ENG	P.E.	DATE
PERMITS	BJH/DR	BJH/DR	CSS	TLA		11-18-08
FINAL DIRECTION						1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

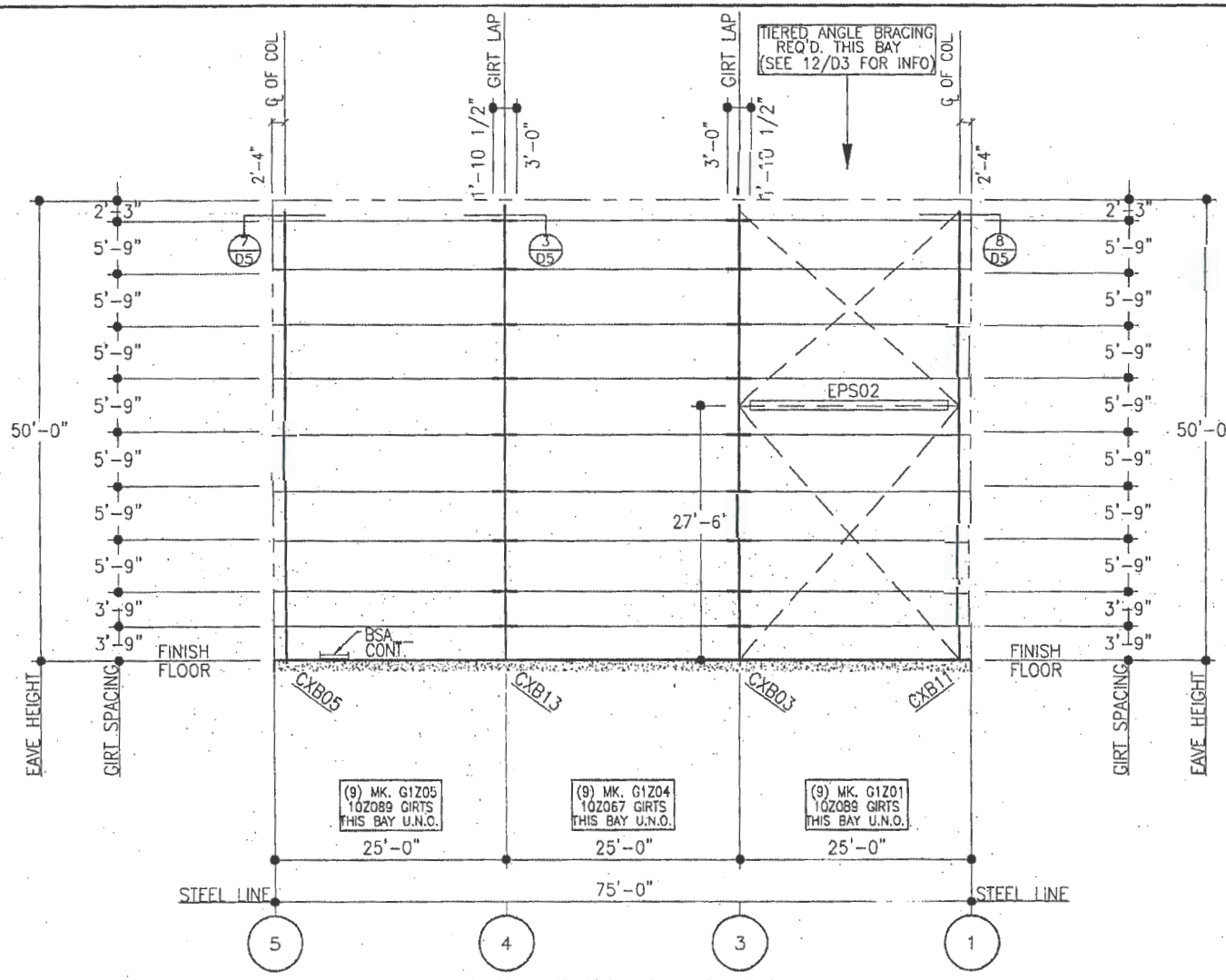
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO:

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



SIDEWALL ELEVATION AT LINE A

1) EPS__ INDICATES P8.148 MATERIAL PIPE STRUT. SEE 7/D1 FOR DETAIL.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	LJ/DR		TLA		11-18-08
FINAL ERECTION	LJ/DR	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

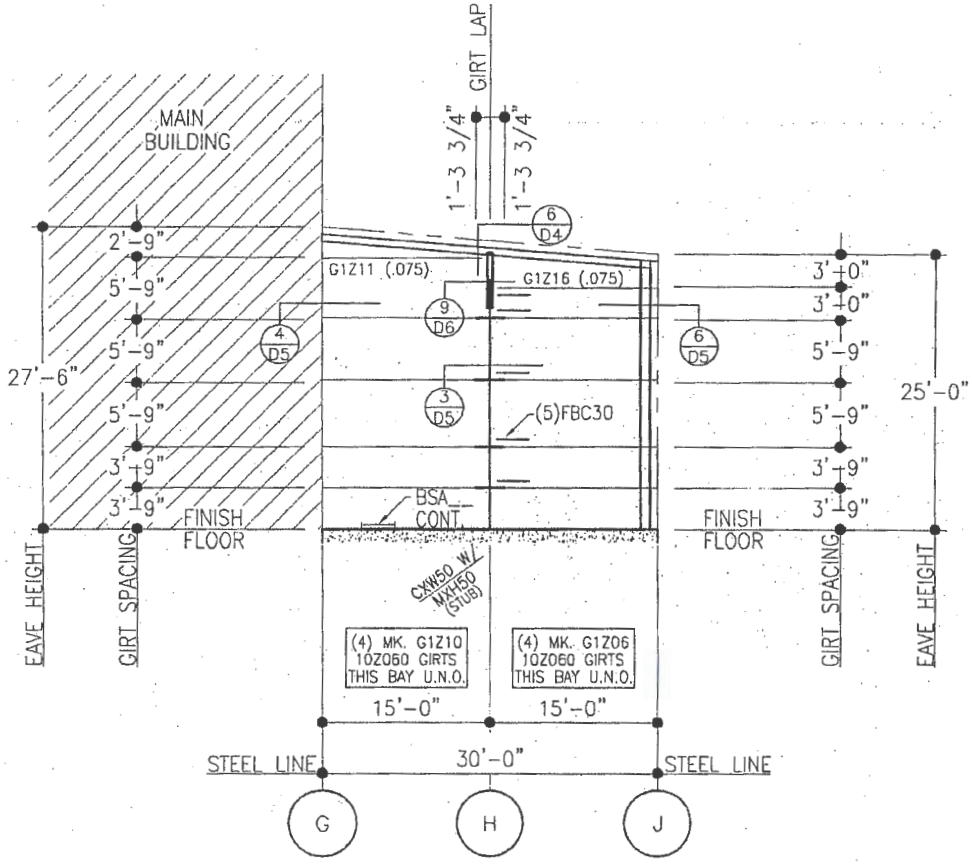
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



ENDWALL ELEVATION AT LINE 2

1) CXW__ INDICATES A (W8x24) H.R. ENDWALL WIND COLUMN
2) MXH__ INDICATES A (W8x24) H.R. ENDWALL STUB COLUMN.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	LH/DR		TLA		11-18-08
FINAL ERECTION	LH/DR	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

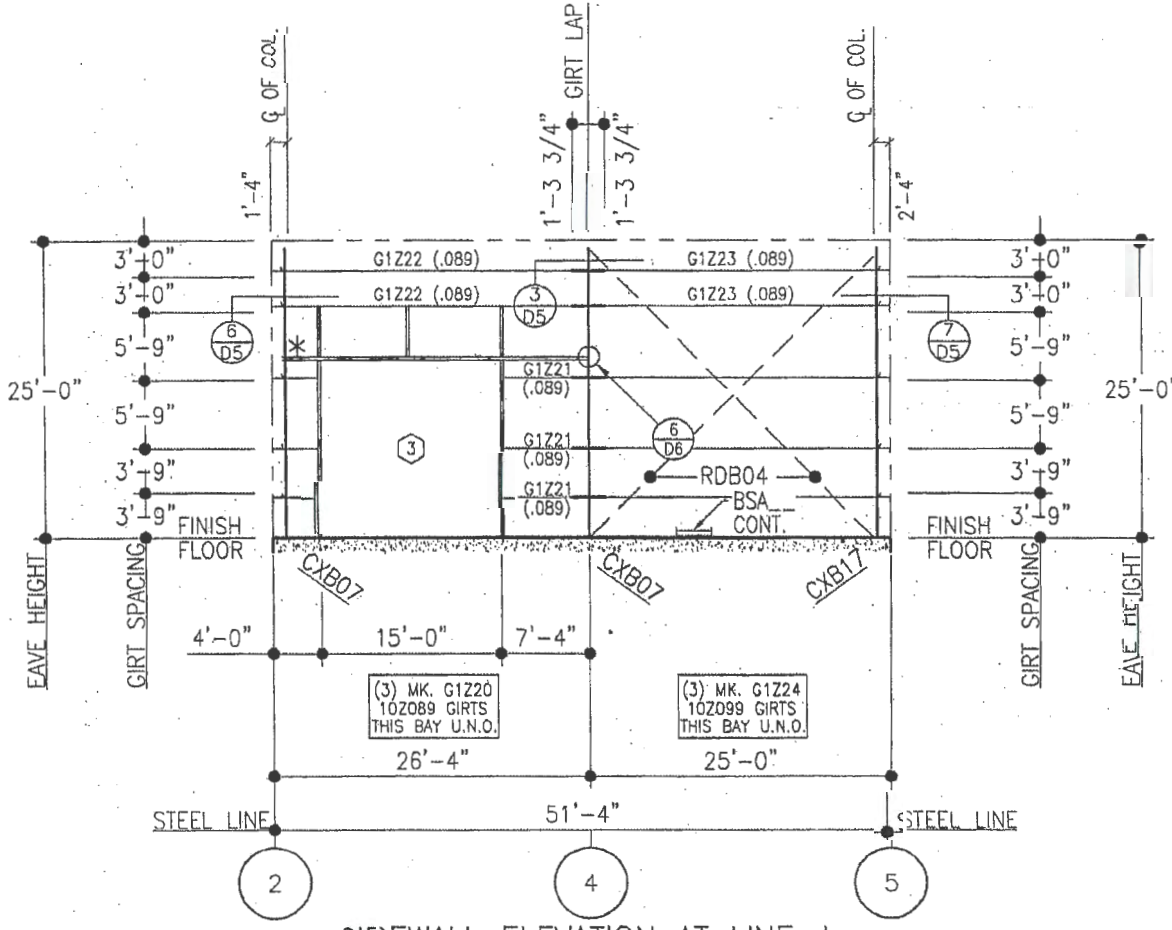
JOB NUMBER: W08X0666A

SHEET NO: E14 OF 23

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/24/09

FRAMED OPENING SCHEDULE								
I.D. NUMBER	Q'Y.	FRAMED OPENING SIZE		FRAMING MARK NUMBERS			SEE DETAIL	SILL HEIGHT A.F.F.
		WIDTH	HEIGHT	JAMBS	HEADER	JAMB EXTENSIONS		
3		15'-0"	15'-0"	MXH90	MXH91	MXH92	1/D6	0'-0"



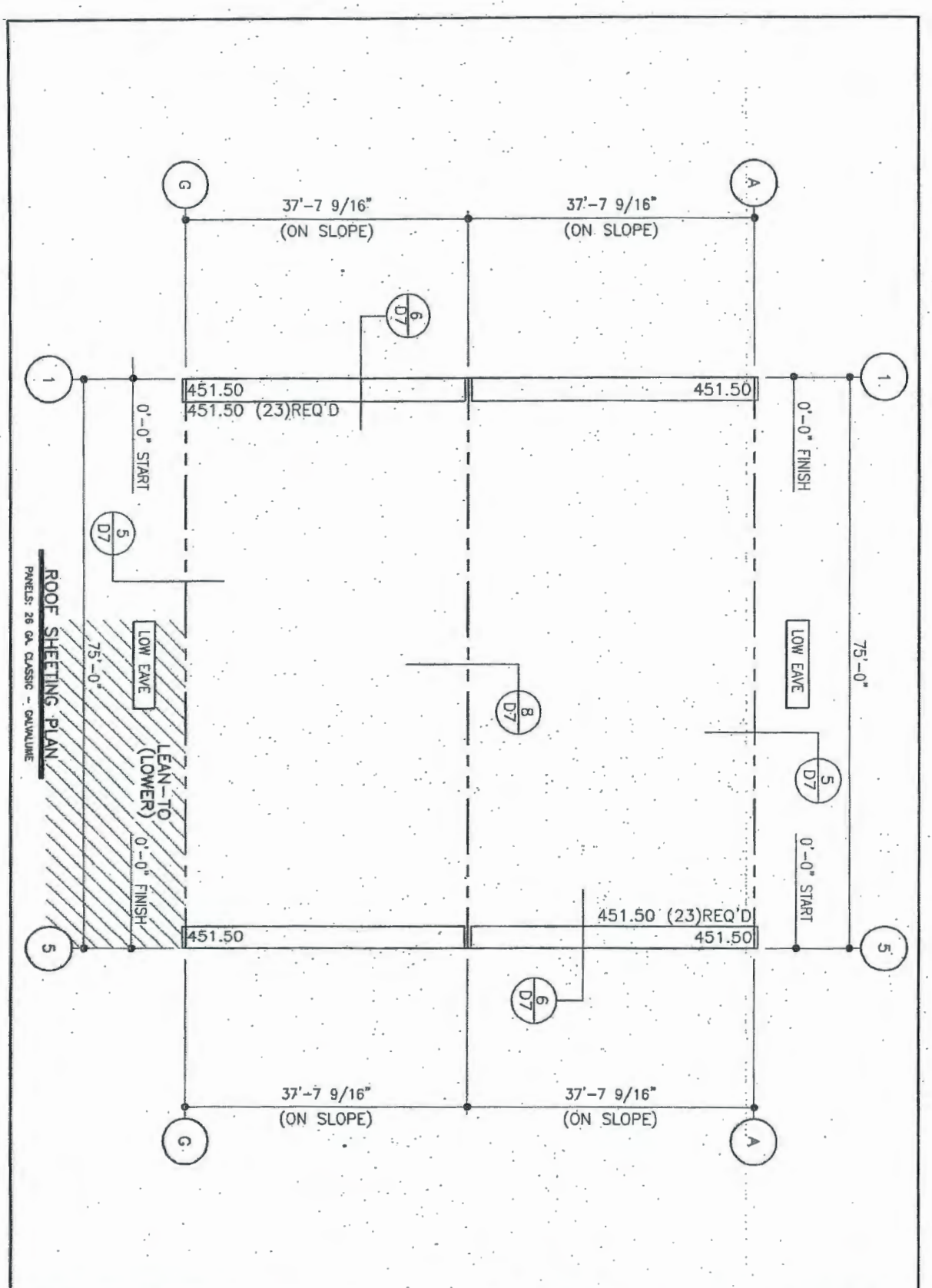
SIDEWALL ELEVATION AT LINE J

1) RDB__ INDICATES 5/8" DIA ROD BRACING. SEE SHEET D1 FOR DETAIL.
2) (3) INDICATES 15' X 15' F.O. W/C10X15.3 JAMBS AND HEADERS. SEE 1/D6 FOR DETAIL & MK. NUMBERS.
3) * INDICATES TAGGED END..

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC
JOB NUMBER: W08X0666A
SHEET NO: E1

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER
5/21/09



STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

JOB NUMBER: W08X0666A

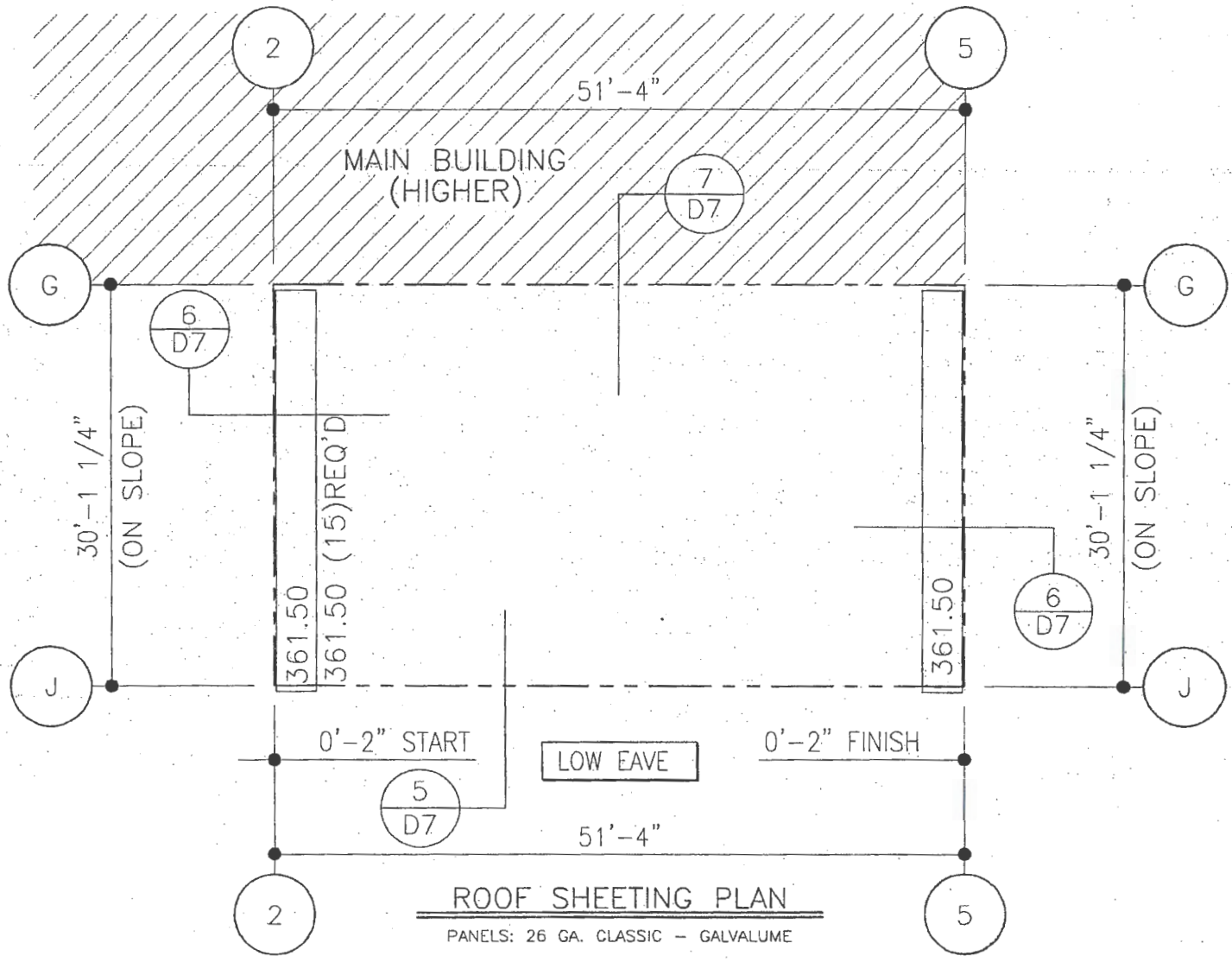
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH

BOW, NH

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

NUCOR
BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

ISSUE	DWN	CHK	ENG	P.E.	DATE
FINAL ERECTION	LH/DR	CSS	[illegible]		1-19-09



ROOF SHEETING PLAN

PANELS: 26 GA. CLASSIC – GALVALUME

ISSUE	DWN	CHK	CHK	P.E.	DATE
FINAL ERECTION	KH/DB	CSS	GA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

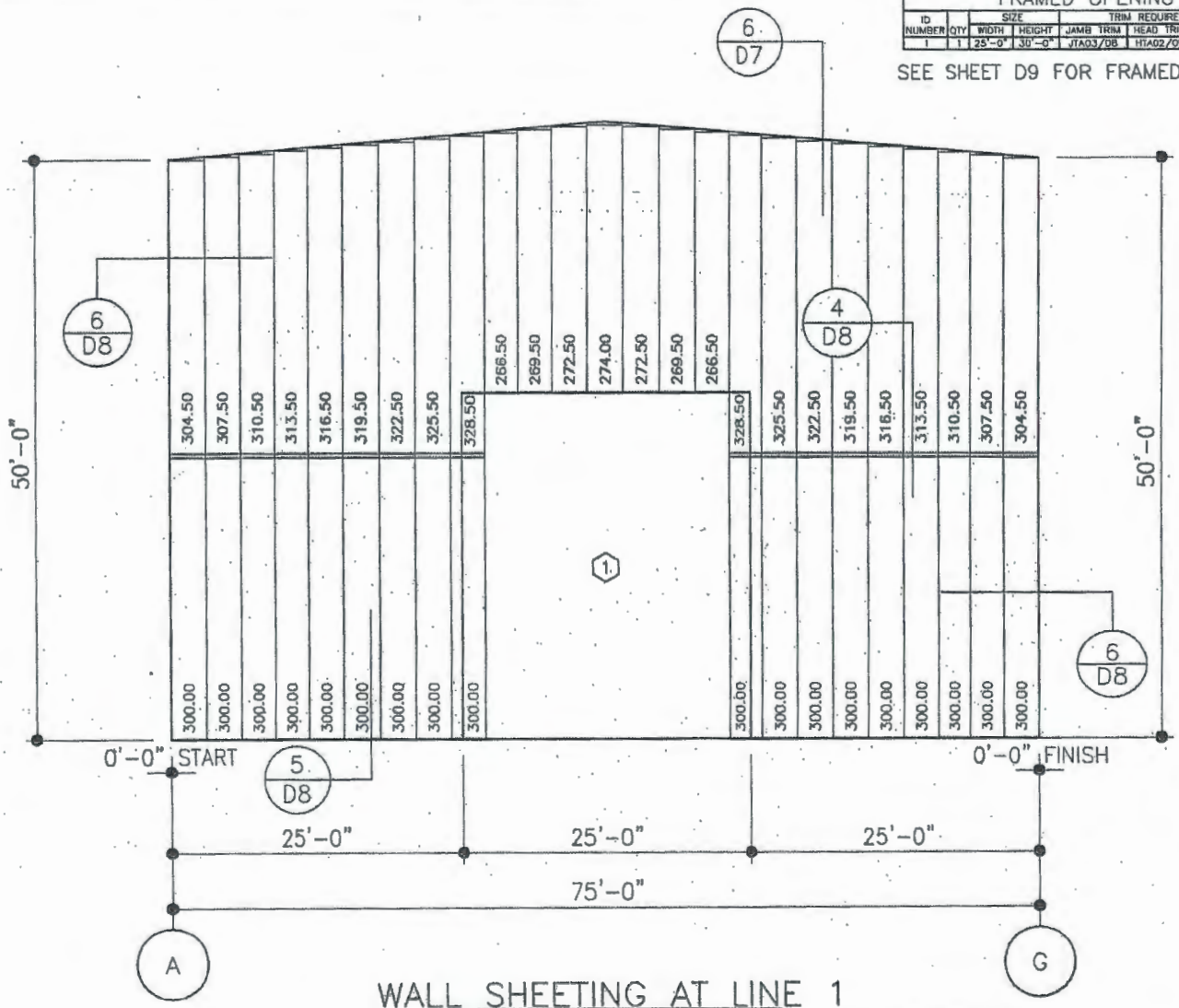
SHEET NO: E17 of 23

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

FRAMED OPENING SCHEDULE								
ID NUMBER	QTY.	SIZE		TRIM REQUIREMENTS			COVER TRIM REQ'MENTS	
		WIDTH	HEIGHT	JAMB TRIM	HEAD TRIM	SILL TRIM	JAMB TRIM	HEAD TRIM
1	1	25'-0"	30'-0"	JTA03/D8	HTA02/D9	N/A	N/A	N/A

SEE SHEET D9 FOR FRAMED OPENING DETAILS



WALL SHEETING AT LINE 1

PANELS: 26 GA. CLASSIC WALL - LIGHTSTONE (SILICONE POLYESTER)

ISSUE	DWN	CHK	ENG	P.E.	DATE
FINAL ERECTION	LJ/VR	CSS	T.L.A.		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH

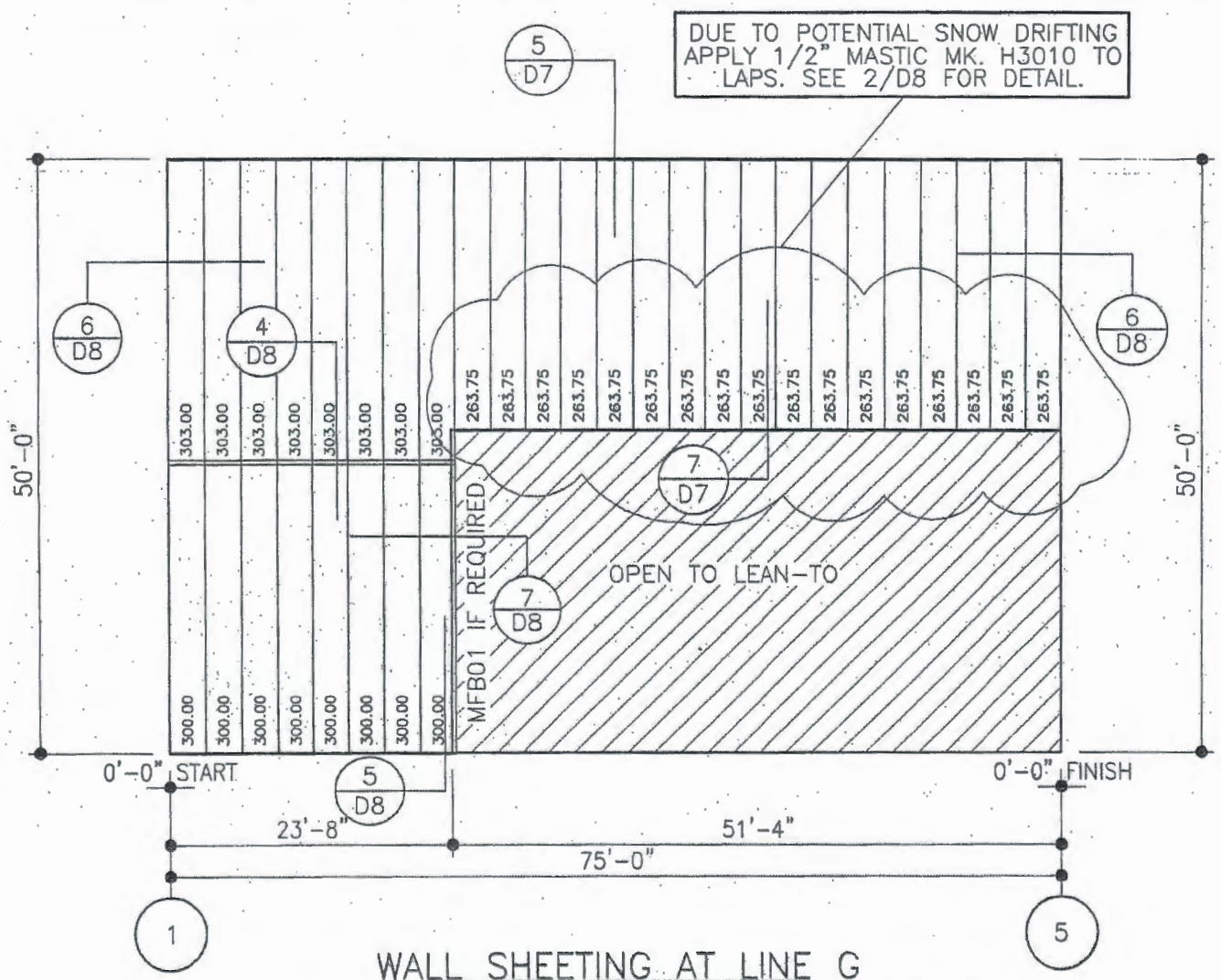
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO: E18 of 23

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



WALL SHEETING AT LINE G

PANELS: 26 GA. CLASSIC WALL – LIGHTSTONE (SILICONE POLYESTER)

ISSUE	DWN	CHK	ENG	P.E.	DATE
FINAL ERECTION	LH/DE	CSS	[illegible]		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0566A

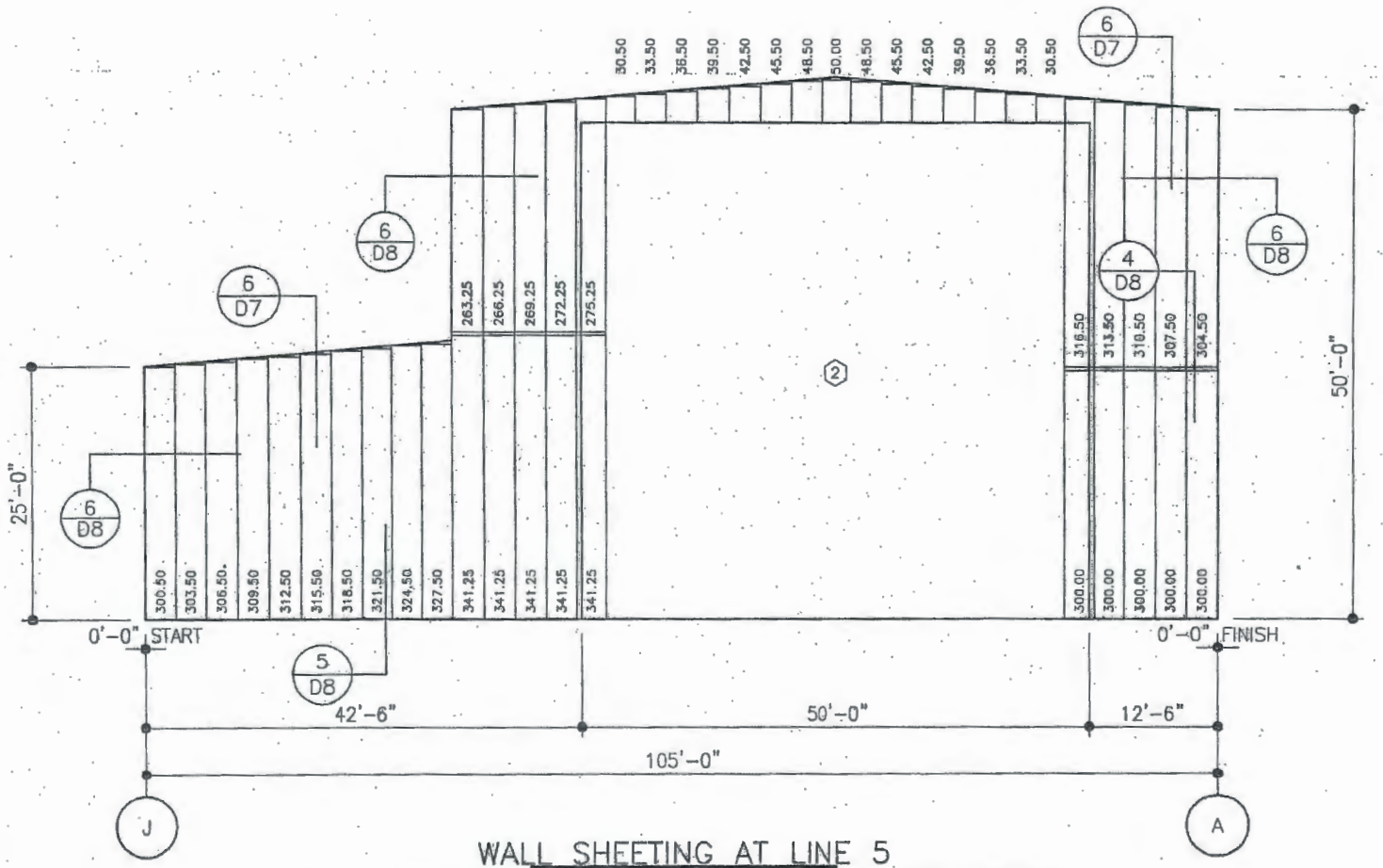
SHEET NO: E10

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

FRAMED OPENING SCHEDULE								
ID NUMBER	QTY	SIZE		TRIM REQUIREMENTS			COVER TRIM REQ'MENTS	
		WIDTH	HEIGHT	JAMB TRIM	HEAD TRIM	SILL TRIM	JAMB TRIM	HEAD TRIM
2	1	50'-0"	48'-8"	JTA03/08	HTA04/09	N/A	N/A	N/A

SEE SHEET D9 FOR FRAMED OPENING DETAILS



WALL SHEETING AT LINE 5

PANELS: 26 GA. CLASSIC WALL – LIGHTSTONE (SILICONE POLYESTER)

ISSUE	DWN	CHK	ENG	P.E.	DATE
FINAL ERECTION	LH/DR	CSS	[illegible]		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH

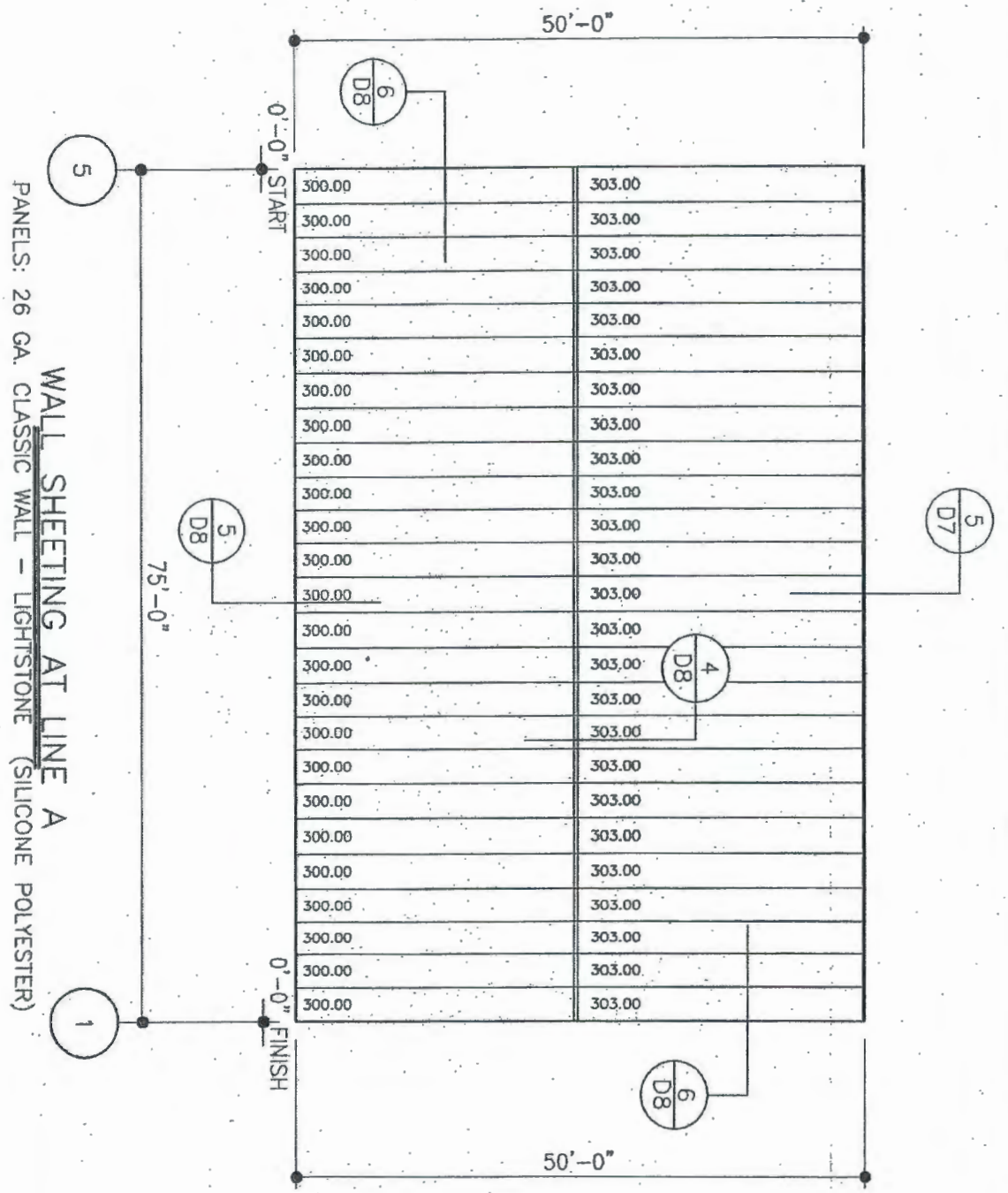
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO: E38

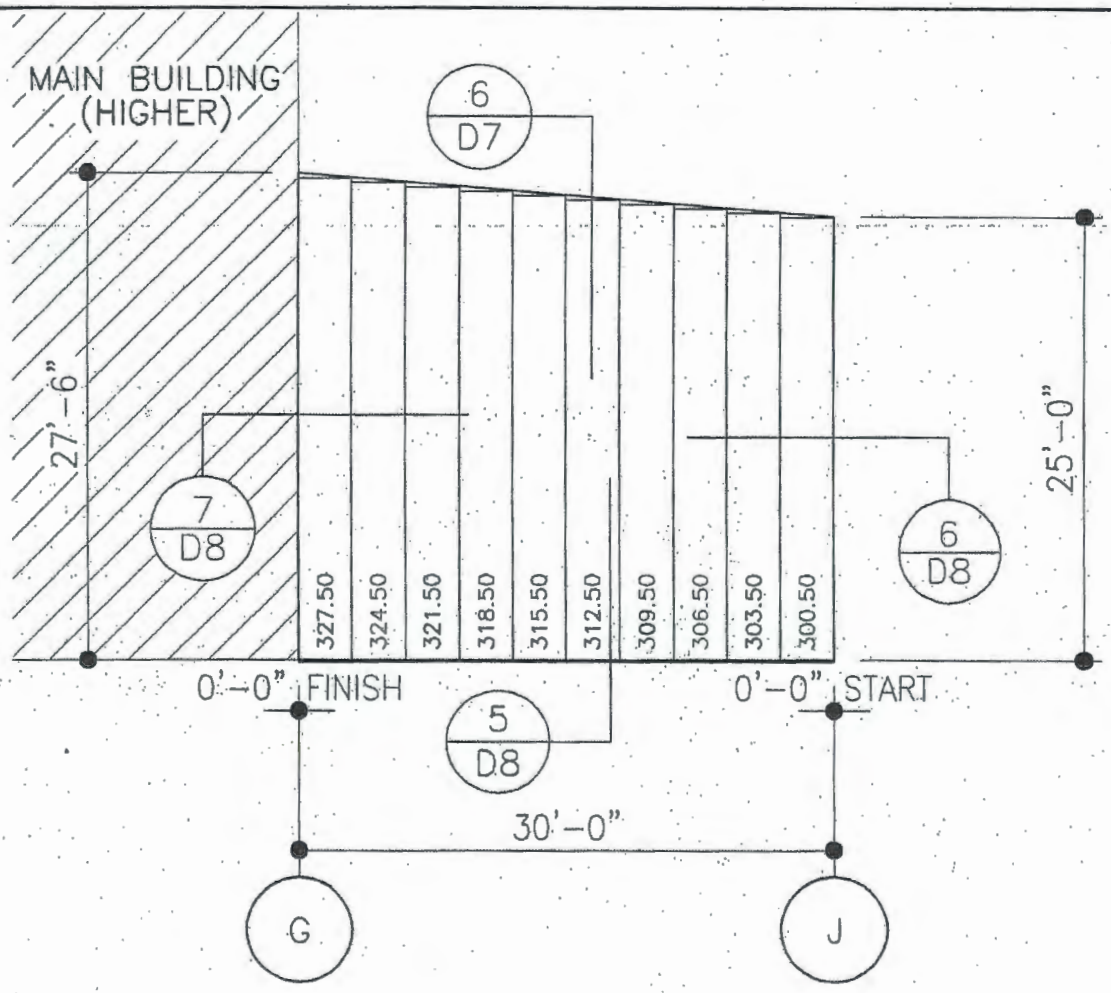
STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



WALL SHEETING AT LINE A

PANELS: 26 GA. CLASSIC WALL - LIGHTSTONE (SILICONE POLYESTER)



WALL SHEETING AT LINE 2

PANELS: 26 GA. CLASSIC WALL – LIGHTSTONE (SILICONE POLYESTER)

ISSUE	DWN	CHK	ENG	P.E.	DATE
FINAL ERECTION	JH/DR	CSS	TAG		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

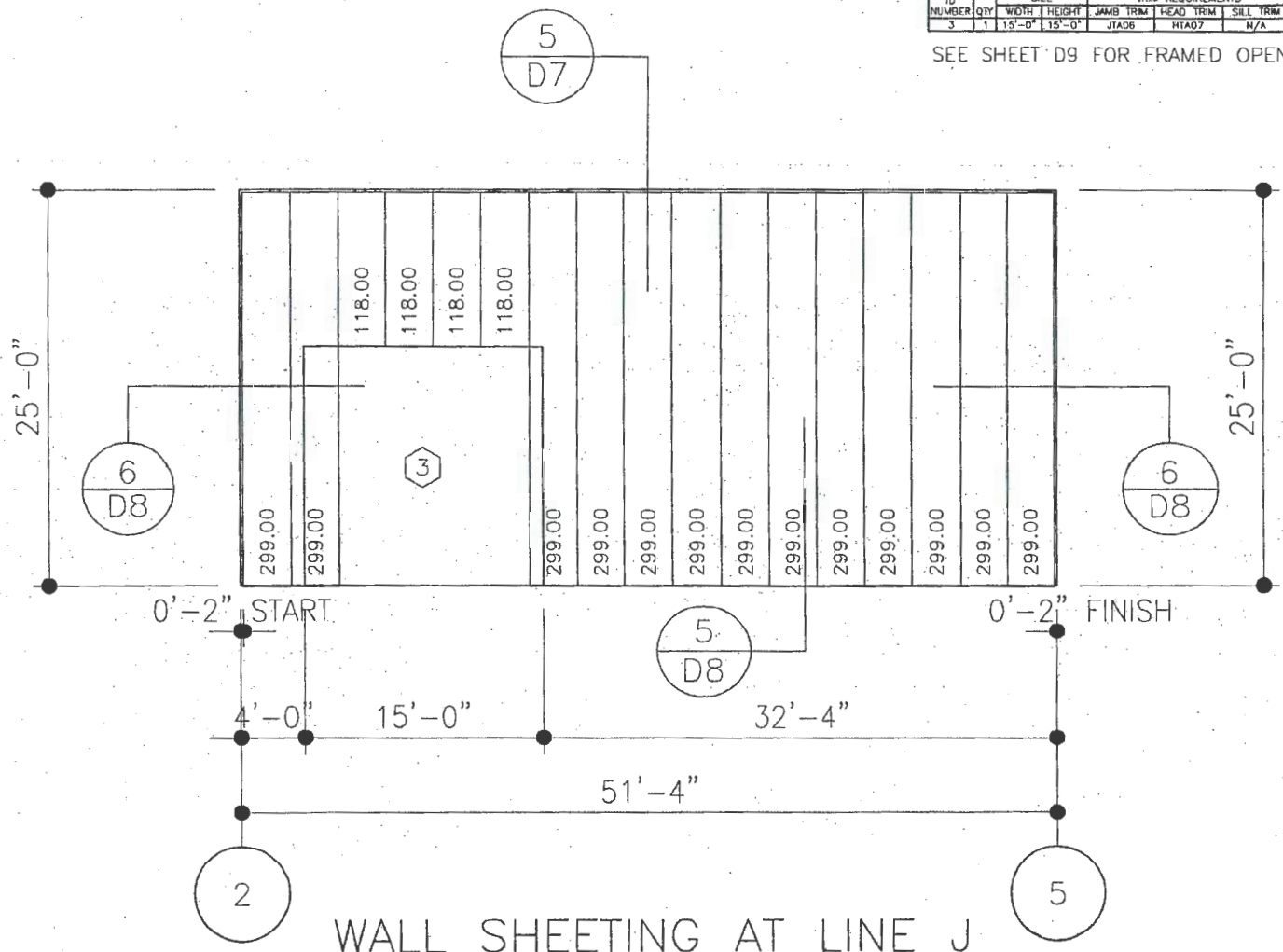
SHEET NO: E22 of 23

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

FRAMED OPENING SCHEDULE								
ID NUMBER	QTY	SIZE		TRIM REQUIREMENTS			COVER TRIM REQ'MENTS	
		WIDTH	HEIGHT	JAMB TRIM	HEAD TRIM	SILL TRIM	JAMB TRIM	HEAD TRIM
3	1	15'-0"	15'-0"	JTA06	HTA07	N/A	N/A	N/A

SEE SHEET D9 FOR FRAMED OPENING DETAILS



WALL SHEETING AT LINE J

PANELS: 26 GA. CLASSIC WALL – LIGHTSTONE (SILICONE POLYESTER)

ISSUE	DWN	CHK	ENG	P.E.	DATE
FINAL ERECTION	LH/DR	CSS	DLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

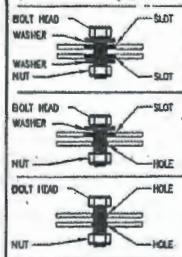
JOB NUMBER: W08X0666A

SHEET NO: E23

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

TYPICAL WASHER REQUIREMENTS
ERECTOR NOTE
(UNLESS NOTED OTHERWISE ON DRAWINGS)



SLOT TO SLOT CONNECTIONS
WASHERS ARE REQUIRED ON BOTH SIDES OF MATERIAL IF SLOTS ARE USED ON BOTH SIDES. (SEE DETAIL AT RIGHT FOR LAPPED ZEE MEMBERS)

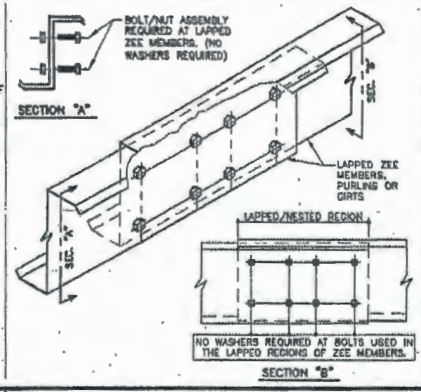
SLOT TO HOLE CONNECTIONS
ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.

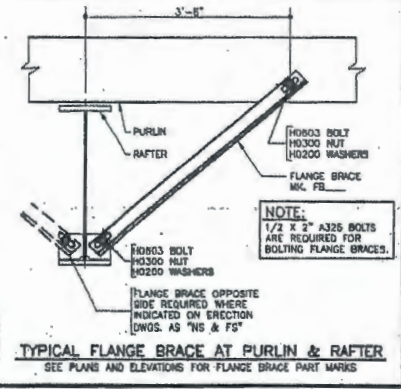
HOLE TO HOLE CONNECTIONS
NO WASHERS ARE REQUIRED WHEN SLOTS ARE NOT USED.

WASHER PART NUMBERS

H0200 – 1/2" FLAT WASHER	H0240 – 1" FLAT WASHER
H0210 – 5/8" FLAT WASHER	H0250 – 1 1/8" FLAT WASHER
H0220 – 3/4" FLAT WASHER	H0260 – 1 1/4" FLAT WASHER
H0230 – 7/8" FLAT WASHER	

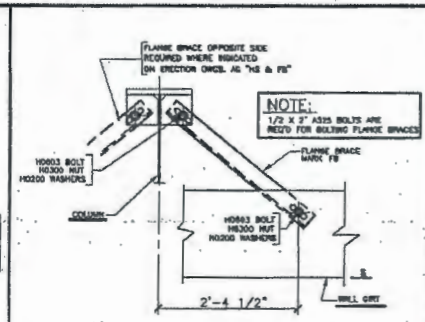
AK0001





AK0031

TYPICAL FLANGE BRACE AT PURLIN & RAFTER
SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS



AK0030

TYP FLANGE BRACE @ BU COL & GIRT
NOTE: SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

TYPICAL FIELD WELD REQUIREMENTS
ERECTOR NOTE:
(UNLESS NOTED OTHERWISE ON DRAWINGS)

ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.

GALVANIZED STEEL FIELD WELDING RECOMMENDATIONS

PREPARATION OF WELD AREA

AWS D-19.0, WELDING ZINC COATED STEEL, CALLS FOR WELDS TO BE MADE ON STEEL THAT IS FREE OF ZINC IN THE AREA TO BE WELDED. FOR GALVANIZED STRUCTURAL COMPONENTS, THE ZINC COATING SHOULD BE REMOVED AT LEAST ONE TO FOUR INCHES (2.5-10 CM) FROM EITHER SIDE OF THE INTENDED WELD ZONE AND ON BOTH SIDES OF THE WORKPIECE. GRINDING BACK THE ZINC COATING IS THE PREFERRED AND MOST COMMON METHOD; BURNING THE ZINC AWAY OR PUSHING BACK THE MOLTEN ZINC FROM THE WELD AREA ALSO ARE EFFECTIVE.

TOUCH-UP OF WELD AREA

WELDING ON GALVANIZED SURFACES DESTROYS THE ZINC COATING ON AND AROUND THE WELD AREA. RESTORATION OF THE AREA WILL BE PERFORMED IN ACCORDANCE WITH ASTM A 780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS, WHICH SPECIFIES THE USE OF PAINTS CONTAINING ZINC DUST, ZINC-BASED SOLDERS OR SPRAYED ZINC. ALL TOUCHUP AND REPAIR METHODS ARE CAPABLE OF BUILDING A PROTECTIVE LAYER TO THE THICKNESS REQUIRED BY ASTM A 780.

SAFETY & HEALTH

WHEN WELDING DIRECTLY ON GALVANIZED STEEL IS UNAVOIDABLE, OSHA PERMISSIBLE EXPOSURE LIMITS (PELS) MAY BE EXCEEDED AND EVERY PRECAUTION, INCLUDING HIGH-VELOCITY CIRCULATING FANS WITH FILTERS, AIR RESPIRATORS AND FUME-EXTRACTION SYSTEMS SUGGESTED BY AWS, SHOULD BE EMPLOYED. FUMES FROM WELDING GALVANIZED STEEL CAN CONTAIN ZINC, IRON AND LEAD. FUME COMPOSITION TYPICALLY DEPENDS ON THE COMPOSITION OF MATERIALS USED, AS WELL AS THE HEAT APPLIED BY THE PARTICULAR WELDING PROCESS. IN ANY EVENT, GOOD VENTILATION MINIMIZES THE AMOUNT OF EXPOSURE TO FUMES.

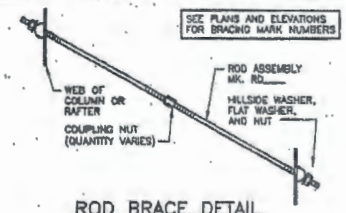
PRIOR TO WELDING ON ANY METAL, CONSULT ANSI/ASC Z-49.1, SAFETY IN WELDING, CUTTING AND ALLIED PROCESSES, WHICH CONTAINS INFORMATION ON THE PROTECTION OF PERSONNEL AND THE GENERAL AREA, VENTILATION AND FIRE PREVENTION.

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

AK0002

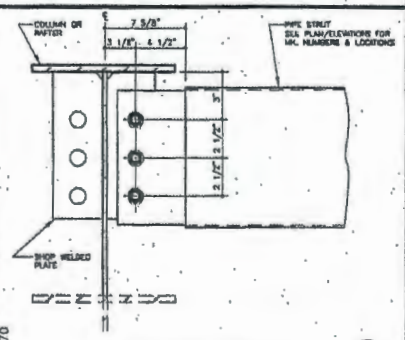
ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS
5/8" ø	RDB ___	(2) H0930	(2) H0210	(2) H0310	H0810
3/4" ø	RDC ___	(2) H0930	(2) H0220	(2) H0320	H0820
7/8" ø	RDD ___	(2) H0930	(2) H0230	(2) H0430	H0830
1" ø	RDE ___	(2) H0960	(2) H0240	(2) H0330	H0840
1 1/8" ø	RDF ___	(2) H0960	(2) H0250	(2) H0450	H0850
1 1/4" ø	RDG ___	(2) H0960	(2) H0260	(2) H0340	H0860

SEE PLANS AND ELEVATIONS FOR BRACING MARK NUMBERS



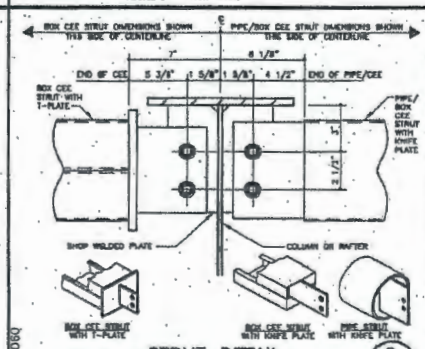
AK0010

ROD BRACE DETAIL
(WEB TO WEB)



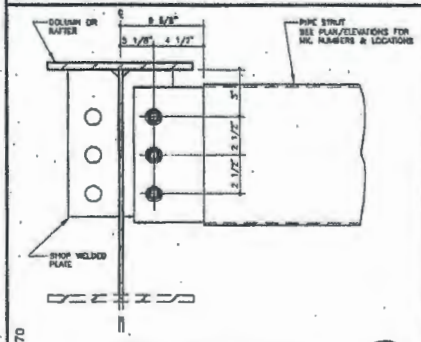
AK0070

PIPE STRUT DETAIL 7 / D1
8" PIPE STRUT AT 10" (MIN.) COLUMN OR RAFTER
NOTE: USE (3) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330



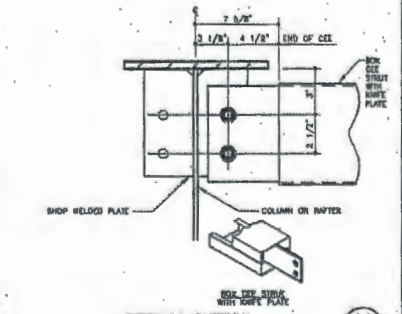
AK0060

STRUT DETAIL 8 / D1
8" PIPE STRUT OR BOX CEE STRUT AT 8" (MIN.) COLUMN OR RAFTER
NOTE: USE (2) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330
SEE PLANS & ELEVATIONS FOR MARK NUMBERS AND LOCATIONS



AK0070

PIPE STRUT DETAIL 10 / D1
8" PIPE STRUT AT 10" (MIN.) COLUMN OR RAFTER
NOTE: USE (3) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330



AK0060

STRUT DETAIL 11 / D1
BOX CEE STRUT AT 8" (MIN.) COLUMN OR RAFTER
NOTE: USE (2) 1" X 3 1/4" A325 BOLTS H0840/NUTS H0330
SEE PLANS & ELEVATIONS FOR MARK NUMBERS AND LOCATIONS

ISSUE	DWN	CHK	ENG	P.E.	DATE
POINTS	JJ/DK		TLA		11-18-08
FINAL ERECTION	JJ/DK	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

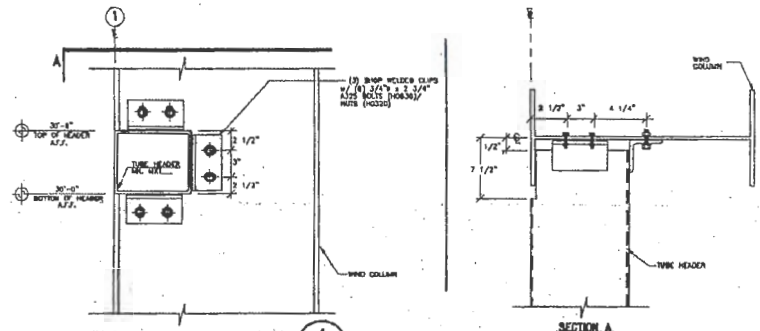
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE SC

JOB NUMBER: W08X0666A

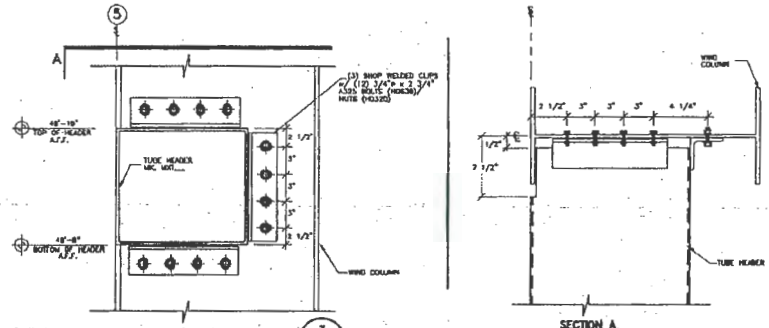
SHEET NO: D

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09



TUBE HEADER TO ENDWALL COLUMN
FLUSH COLUMN CONDITION
1
D2



TUBE HEADER TO ENDWALL COLUMN
FLUSH COLUMN CONDITION
3
D2

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMITS	JY/DR	CSS	TLA		11-18-08
FINAL ERECTION	JY/DR	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

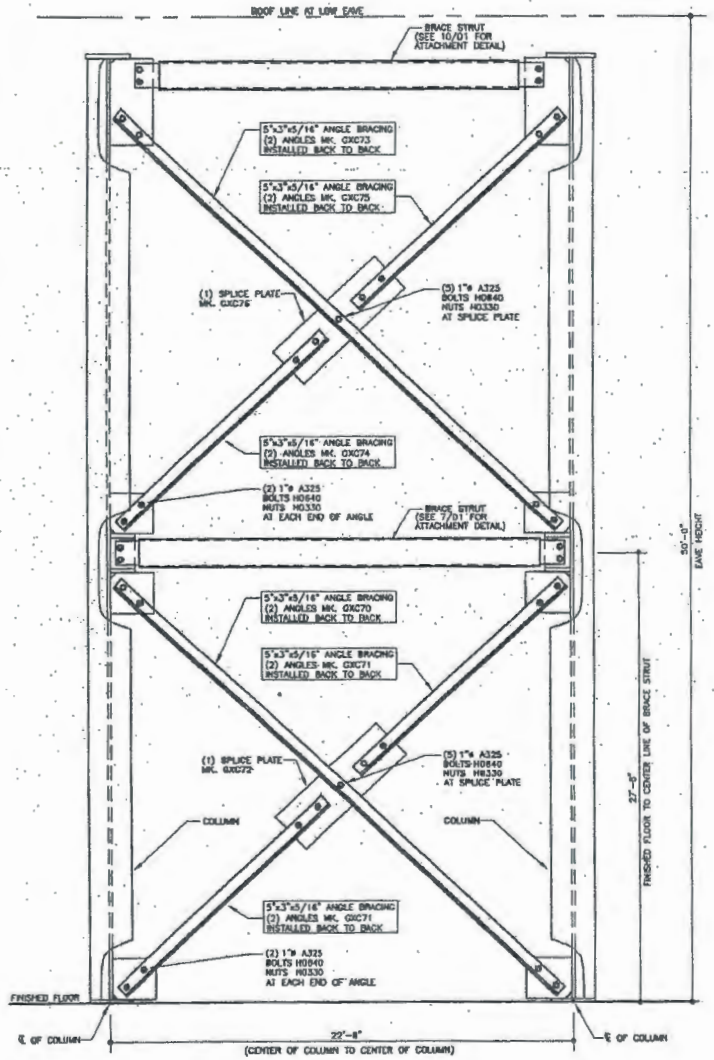
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO: D2

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12106
LICENSED
PROFESSIONAL ENGINEER

5/21/09



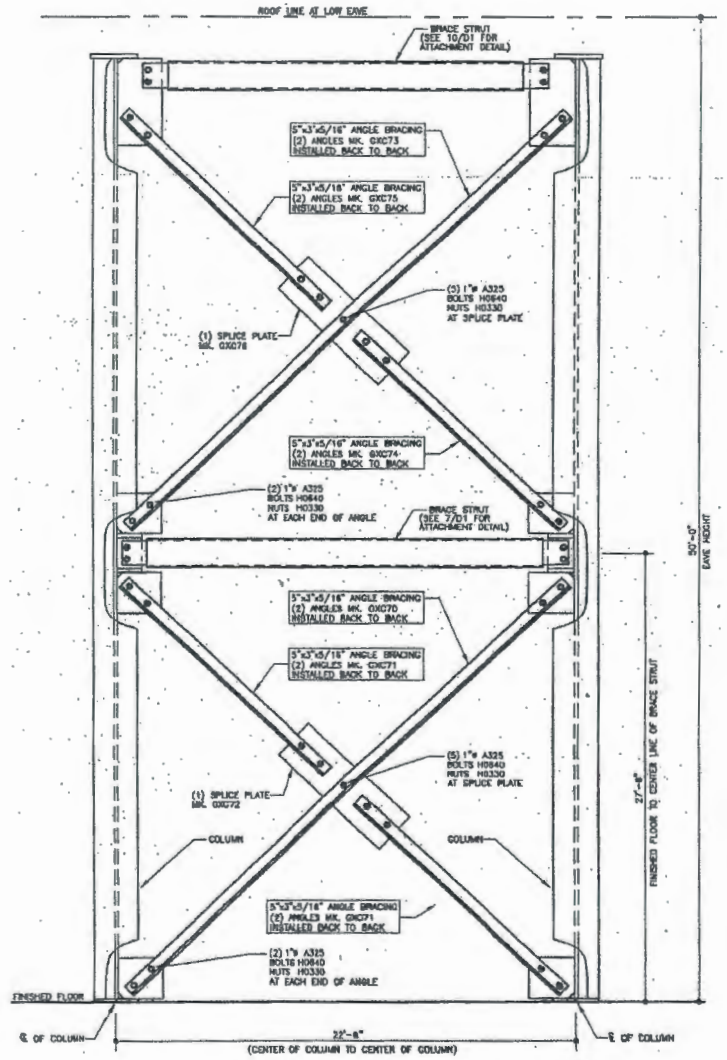
DOUBLE ANGLE BRACE DETAIL @ LINE "G"

10 / D3

ERECTOR NOTE: ANGLE BRACING MUST BE INSTALLED AS SHOWN IN DETAIL ABOVE. PLEASE NOTE ORIENTATION OF ANGLES.

SEE ELEVATIONS FOR ANGLE BRACED BAYS

AL0020



DOUBLE ANGLE BRACE DETAIL @ LINE "A"

12 / D3

ERECTOR NOTE: ANGLE BRACING MUST BE INSTALLED AS SHOWN IN DETAIL ABOVE. PLEASE NOTE ORIENTATION OF ANGLES.

SEE ELEVATIONS FOR ANGLE BRACED BAYS

AL0020

	DWN	CHK	ENG	P.E.	DATE
ISSUE					
PERMITS	11/05	TLA	TLA		11-18-08
FINAL ERECTION	11/05	CSS	TLA		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

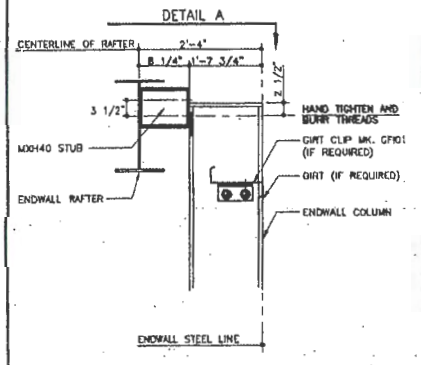
PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

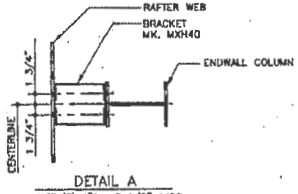
JOB NUMBER: W08X0666A

SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER
5/21/09

THE SEAL ACCORDING TO RSA 310-A:56 WARRANTS REPORTS PREPARED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION, INC. PERTAINING AND THE METAL BUILDING WHICH HAS BEEN PROVIDED BY NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL PERTAINS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT WORK IN OR PROVIDE THE PROJECT SITE. THESE DRAWINGS AND SHALL NOT BE CONSTRUED AS SUCH.





DETAIL A

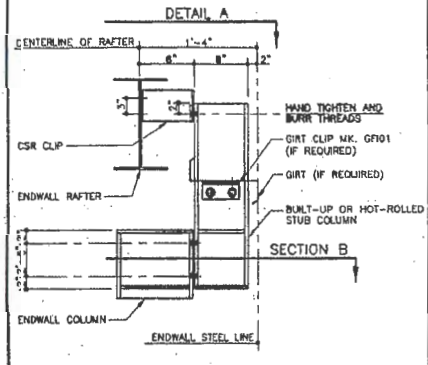
USE (6) 1"ø x 2 1/2" A490 BOLTS (MK. X147401) AND NUTS (MK. X147402) WASHERS (MK. H0240)

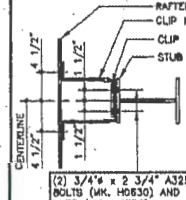
NOTE: RAFTER FLANGE NOT SHOWN FOR CLARITY

A0011 ENDWALL COLUMN TO EXPANDABLE ENDWALL RAFTER CONNECTION (5 / D4)

BU COLUMN AT 12" FLUSH GIRTS

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



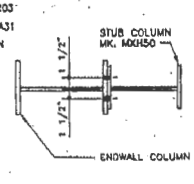


(2) 3/4"ø x 2 3/4" A325 BOLTS (MK. H0630) AND NUTS (MK. H0320)

DETAIL A

USE (4) 1/2"ø x 2" A325 BOLTS (MK. H0603) AND NUTS (MK. H0300) U.N.D.

NOTE: RAFTER FLANGE NOT SHOWN FOR CLARITY



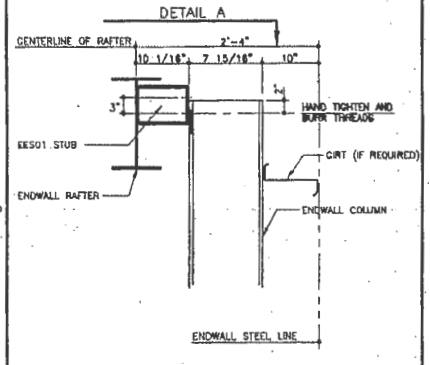
SECTION B

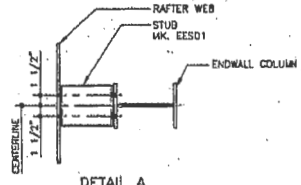
(2) 3/4"ø x 2 3/4" A325 BOLTS (MK. H0630) AND NUTS (MK. H0320)

A0012 ENDWALL COLUMN TO EXPANDABLE ENDWALL RAFTER CONNECTION (6 / D4)

BUILT-UP COLUMN AT 10" BYPASS GIRTS

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS





DETAIL A

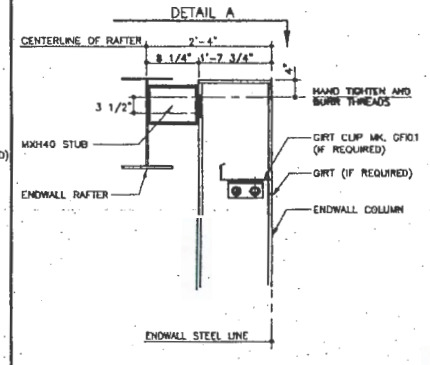
USE (6) 3/4"ø x 2 3/4" A325 BOLTS (MK. H0630) AND NUTS (MK. H0320) WASHERS (MK. H0220)

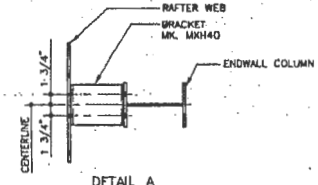
NOTE: RAFTER FLANGE NOT SHOWN FOR CLARITY

A0013 ENDWALL COLUMN TO LEAN-TO ENDWALL RAFTER CONNECTION (7 / D4)

H.R. COLUMN AT 10" FLUSH GIRTS

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS





DETAIL A

USE (6) 1"ø x 2 1/2" A490 BOLTS (MK. X147401) AND NUTS (MK. X147402) WASHERS (MK. H0240)

NOTE: RAFTER FLANGE NOT SHOWN FOR CLARITY

A0011 ENDWALL COLUMN TO EXPANDABLE ENDWALL RAFTER CONNECTION (8 / D4)

BU COLUMN AT 10" FLUSH GIRTS

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

ISSUE	DWN.	CHK.	APR.	P.E.	DATE
PERMITS	JJ/DR	DS	TJA	T.A.	11-18-08
FINAL ERECTION	JJ/DR	DS	TJA	T.A.	1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH

BOW, NH

CUSTOMER: AUGUSTA FIBERGLASS

BLACKVILLE, SC

JOB NUMBER: W08X0656A

SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

ERECTOR NOTE: UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD ZEE GIRT ORIENTATION IS TO HAVE THE GIRT TOED DOWN AT THE STEEL LINE AS SHOWN IN THE DETAIL BELOW.

UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD CEE GIRT ORIENTATION IS TO HAVE THE GIRT TOED UP AS SHOWN IN THE DETAIL BELOW. STANDARD CLIP ATTACHMENT IS BELOW THE GIRT, HOWEVER SOME DETAILS REQUIRE THAT THE CLIP BE ABOVE THE GIRT OR THAT THE GIRT BE TOED DOWN.

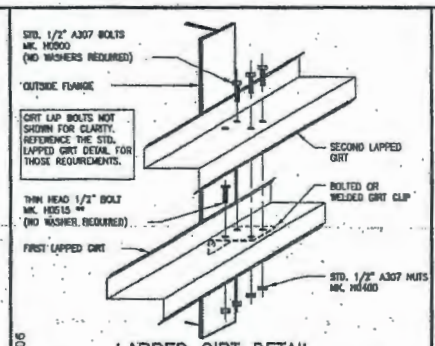
(REFER TO THE GIRT DETAILS FOR SPECIFIC CONNECTION REQUIREMENTS).

ZEE GIRT ORIENTATION — CEE GIRT ORIENTATION

STANDARD GIRT ORIENTATION DETAIL

SEE GIRT DETAILS FOR GIRT CONNECTIONS (COLUMNS NOT SHOWN)

CC0005

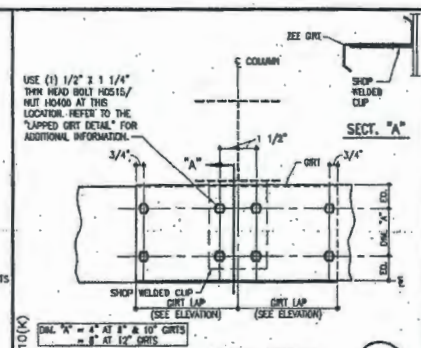


LAPPED GIRT DETAIL

LAPPED GIRTS @ INTERIOR BAY COLUMNS

** = THE THIN HEAD 1/2" A307 BOLT MUST BE INSTALLED INTO THE FIRST GIRT AND CLIP OF A LAPPED CONDITION. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE SECOND LAPPED GIRT BEING INSTALLED.

CC0006



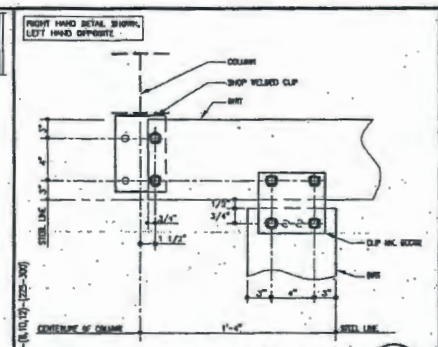
SW OR EW GIRT DETAIL (3 / D5)

LAPPED BYPASS GIRTS AT INTERIOR BAY COLUMNS

NOTE: USE (7) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

CC1010(K)

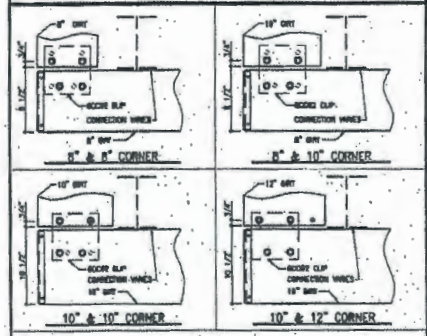


INSIDE CORNER GIRT DETAIL (4 / D5)

NOTE: USE (6) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

CC1020-(R,10,12)-(T20-300)



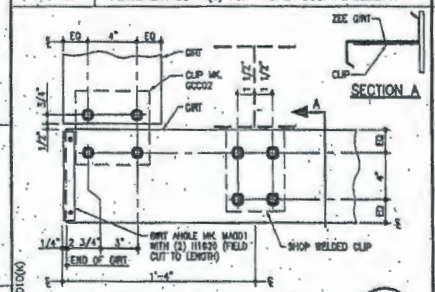
BYPASS GIRT BOLT PLACEMENT DETAIL

REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE DETAILS ABOVE TO DETERMINE WHICH HOLES ARE UTILIZED.

CF1001

ERECTOR NOTE — GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE STANDARD BOLT PLACEMENT DETAIL(S) FOR PROPER BOLT PLACEMENT.



BYPASS GIRT CORNER DETAIL (6 / D5)

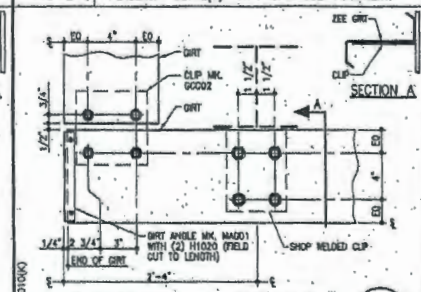
LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE

NOTE: USE (8) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400

REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

CF1010(K)

ERECTOR NOTE — GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE STANDARD BOLT PLACEMENT DETAIL(S) FOR PROPER BOLT PLACEMENT.



BYPASS GIRT CORNER DETAIL (7 / D5)

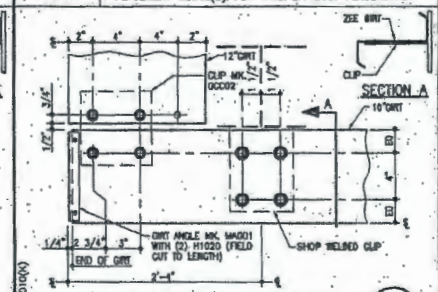
LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE

NOTE: USE (8) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400

REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

CF1010(K)

ERECTOR NOTE — GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE STANDARD BOLT PLACEMENT DETAIL(S) FOR PROPER BOLT PLACEMENT.



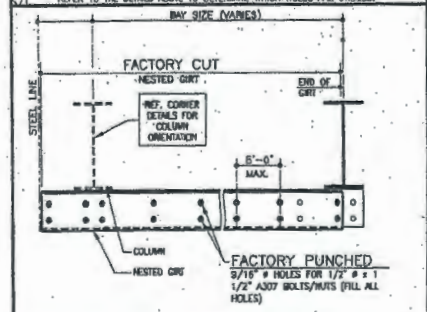
BYPASS GIRT CORNER DETAIL (8 / D5)

LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE

NOTE: USE (8) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400

REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

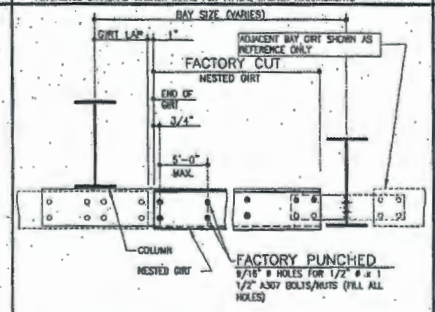
CF1010(K)



BYPASS ENDBAY NESTED GIRT DETAIL (9 / D5)

- REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
- THE QUANTITY OF 1/2" x 1 1/2" A307 BOLTS (MK. H0500) & NUTS (MK. H0400) VARIES DEPENDING ON THE BAY SIZE.

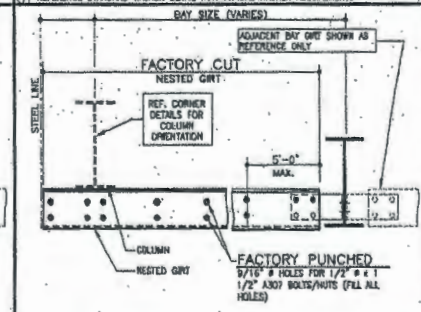
CK0010



BYPASS NESTED GIRT DETAIL (10 / D5)

- REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
- THE QUANTITY OF 1/2" x 1 1/2" A307 BOLTS (MK. H0500) & NUTS (MK. H0400) VARIES DEPENDING ON THE BAY SIZE.

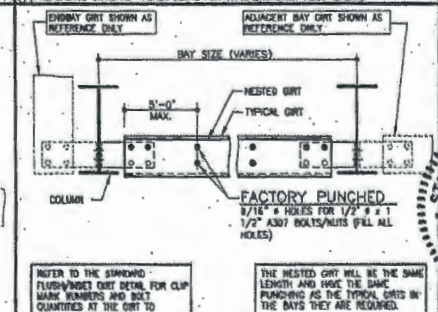
CK0020



BYPASS ENDBAY NESTED GIRT DETAIL (11 / D5)

- REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
- THE QUANTITY OF 1/2" x 1 1/2" A307 BOLTS (MK. H0500) & NUTS (MK. H0400) VARIES DEPENDING ON THE BAY SIZE.

CK0030



REFER TO THE STANDARD FLUSH/INSET GIRT DETAIL FOR CLIP MARK NUMBERS AND BOLT QUANTITIES AT THE GIRT TO COLUMN CONNECTIONS.

THE NESTED GIRT WILL BE THE SAME LENGTH AND HAVE THE SAME PUNCHING AS THE TYPICAL GIRTS IN THE BAYS THEY ARE REQUIRED.

FLUSH/INSET NESTED GIRT DETAIL (12 / D5)

- REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
- THE QUANTITY OF 1/2" x 1 1/2" A307 BOLTS (MK. H0500) & NUTS (MK. H0400) VARIES DEPENDING ON THE BAY SIZE.

CK0035

PERMITS	ISSUE	DWN	CHK	DWG	P.K.	DATE
		LV/DR		TLA		11-18-08
	FINAL ERECTION	LV/DR	CSS	2'-1A		7-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH

BOW, NH

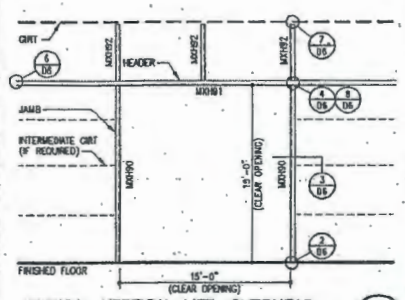
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC

JOB NUMBER: W08X0666A

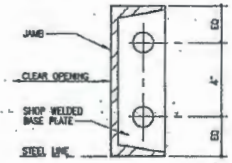
SHEET NO.

STATE OF NEW HAMPSHIRE — KEVIN R. BECKMANN — NO. 12108 — LICENSED PROFESSIONAL ENGINEER — 5/21/09

THE DRAWINGS AND SPECIFICATIONS CONTAINED HEREIN ARE THE PROPERTY OF NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO, THE DESIGN OF THE BUILDING SHOWN THEREIN, ARE INTENDED FOR USE WITH THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE UNDERSIGNED CONFIRMS, UNDER THE LAWS OF THE UNITED STATES OF AMERICA, WITHOUT ANY EXCEPTIONS OR CHANGES, THAT NUCOR BUILDING SYSTEMS WILL NOT BE HELD RESPONSIBLE FOR THE PROJECT DESIGN, OR ANY PROJECT PROBLEMS OF WHATSOEVER KIND, SHALL NOT BE CONSIDERED AS BASIS.

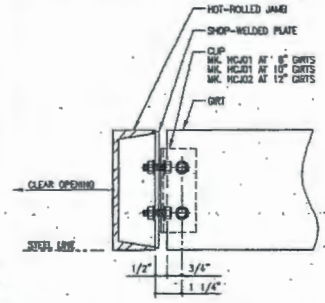


TYPICAL VERTICAL LIFT, OVERHEAD, & HI-LIFT DOOR FRAMED OPENINGS (1 / D6)



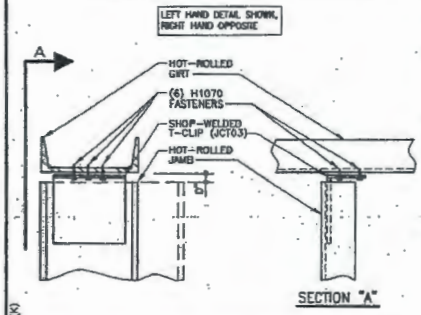
HOT-ROLLED JAMB BASE CONNECTION (2 / D6)

1/2" ø EXPANSION BOLTS (BY OTHERS)



GIRT TO HOT-ROLLED JAMB (3 / D6)

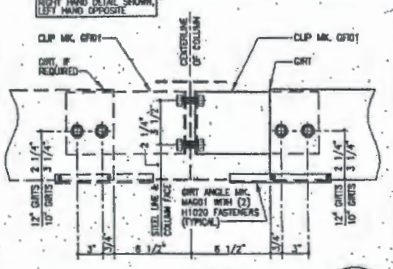
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500 / NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS



HOT-ROLLED JAMB TO HOT-ROLLED GIRT (4 / D6)

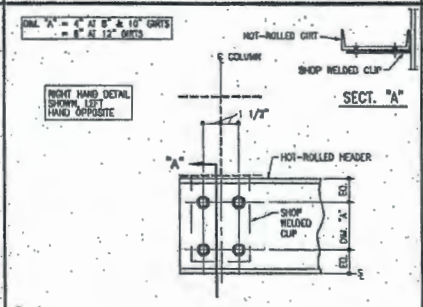
FACTORY WELDED CLIP TO JAMB
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

ERECTOR NOTE — GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE STANDARD BOLT PLACEMENT DETAIL(S) FOR PROPER BOLT PLACEMENT.



FLUSH GIRT DETAIL (5 / D6)

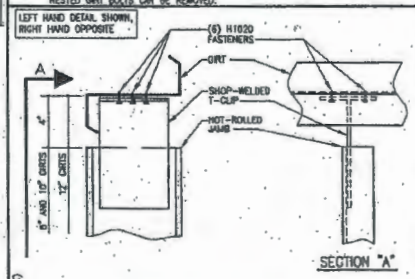
FLUSH GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (6) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS



SW OR EW GIRT DETAIL (6 / D6)

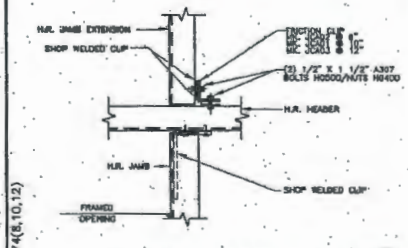
BYPASS HOT-ROLLED GIRT AT MASONRY WALL
NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

ERECTOR NOTE:
- PRE-DRILL HOLES AT NESTED ZEE GIRTS & DOUBLE CEE GIRTS IF REQUIRED.
- IF THE T-CLIP IS LOCATED IN THE SAME LOCATION AS NESTED GIRT BOLTS, THE NESTED GIRT BOLTS CAN BE REMOVED.



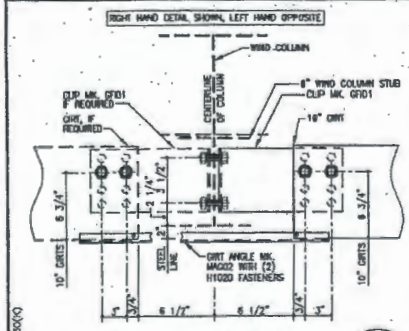
HOT-ROLLED JAMB TO ZEE GIRT (7 / D6)

SHOP-WELDED CLIP CONNECTION



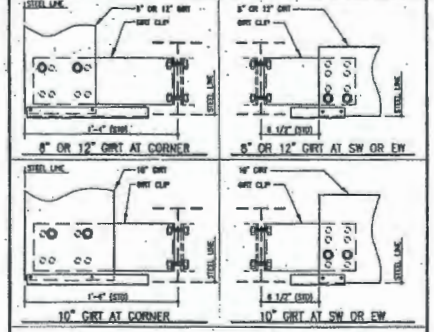
H.R. JAMB W/EXT. DETAIL (8 / D6)

H.R. JAMB & EXTENSION TO CEE GIRT CONNECTION
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



2" INSET GIRT DETAIL (9 / D6)

10" INSET GIRTS (2" COLUMN OFFSET) AT INTERIOR BAY COLUMNS
NOTE: USE (6) 1/2" x 1 1/2" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS



FLUSH GIRT BOLT PLACEMENT DETAIL

REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS
GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS.
REFER TO THE DETAILS ABOVE TO DETERMINE WHICH HOLES ARE UTILIZED.

ISSUE	SWN	CHK	ENG	P.E.	DATE
REPORTS	LH/DR	CDS	TLA		11-18-08
FINAL ERECTION	LH/DR	CDS	TLA		1-19-09

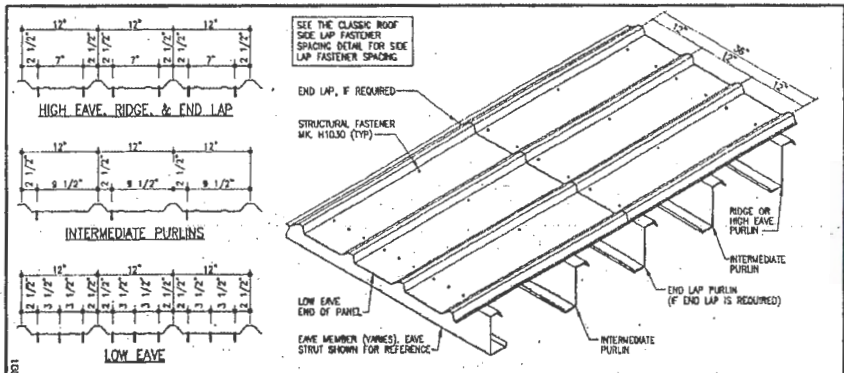
NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

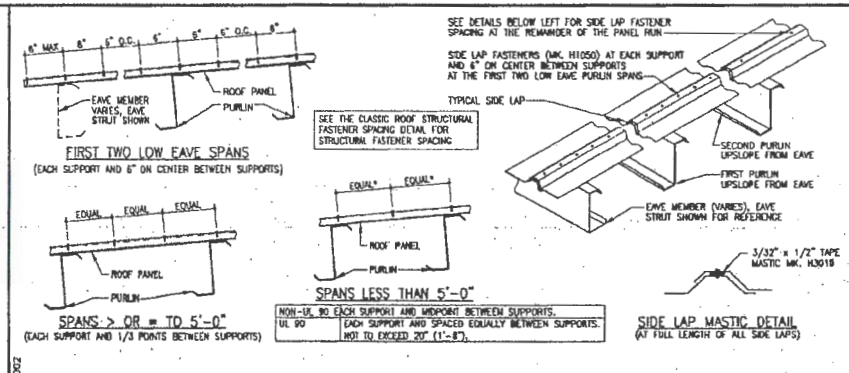
STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/5/09



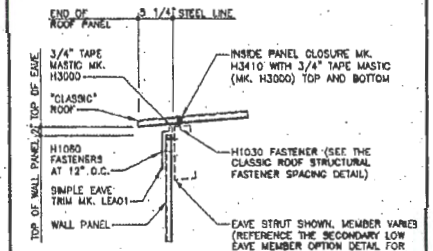
DA0001

CLASSIC ROOF STRUCTURAL FASTENER SPACING (STANDARD)



DA0002

CLASSIC ROOF SIDE LAP FASTENER SPACING (STANDARD)



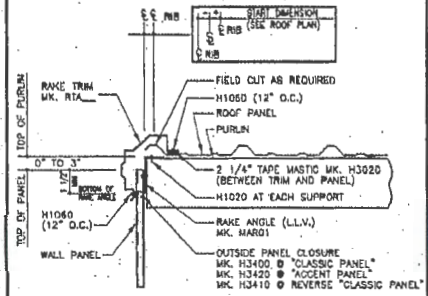
DB0010

SIMPLE EAVE DETAIL

"CLASSIC ROOF"

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

5 / D7



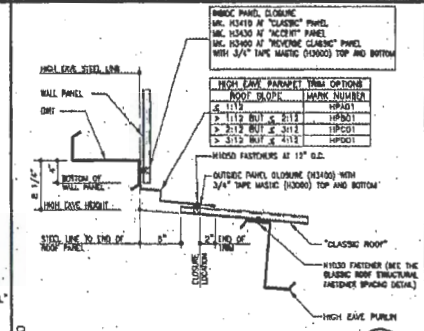
DE0010

SCULPTURED RAKE DETAIL

"CLASSIC ROOF"

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

6 / D7



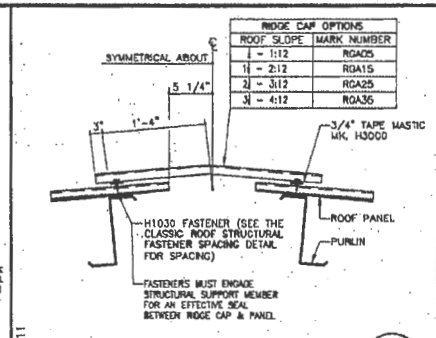
DD0010

HIGH EAVE PARAPET DETAIL

"CLASSIC ROOF"

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

7 / D7



DG0011

RIDGE DETAIL

"CLASSIC ROOF"

WITH DIE FORMED RIDGE CAP

8 / D7

ISSUE	DWN	CHK	ENG	P.E.	DATE
FINAL DIRECTION	SJH/DR	CSS	T.G.A.		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH

BOW, NH

CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC

JOB NUMBER: W08X0666A

SHEET NO.

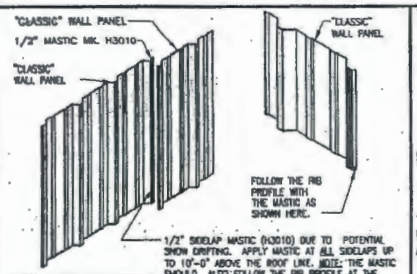
STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER

5/21/09

STANDARD FASTENER SCHEDULE

H1000 — 12-14 x 1 1/4" TEK 3 WITH WASHER (SELF TAPPING)	H1047 — 12-14 x 2" TEK 3 WITH WASHER (SELF DRILLING)
H1020 — 1/4-14 x 1 1/4" TEK 3 WITHOUT WASHER (SELF DRILLING) — 3/16" THICK DRILLING CAPACITY (MAX)	H1050 — 12-14 x 3/4" SHARP POINT WITH WASHER (SELF TAPPING)
H1030 — 12-14 x 1 1/4" TEK 2 WITH WASHER (SELF DRILLING)	H1060 — 12-14 x 3/4" SHARP POINT WITHOUT WASHER (SELF TAPPING)
H1035 — 12-14 x 1 1/2" TEK 2 WITH WASHER (SELF DRILLING)	H1070 — 12-24 x 1 1/2" TEK 3 WITHOUT WASHER. (SELF DRILLING) — 1/2" THICK DRILLING CAPACITY (MAX)
H1040 — 12-14 x 1 1/4" TEK 2 WITHOUT WASHER (SELF DRILLING)	H1080 — 11/32" x 1 1/4" WITH WASHER (ROOF SCREW) (SELF TAPPING)
H1045 — 12-14 x 2" TEK 2 WITHOUT WASHER (SELF DRILLING)	H1100 — 1/8" POP RIVET; H1110 — 1/8" x STAINLESS BRACKET FASTENER

G00003



NOTE: "CLASSIC" PANEL SHOWN FOR REFERENCE ONLY. DETAIL APPLIES TO ALL NUCOR PANEL TYPES.

PANEL SIDELAP DETAIL AT POTENTIAL SNOW DRIFT AREAS

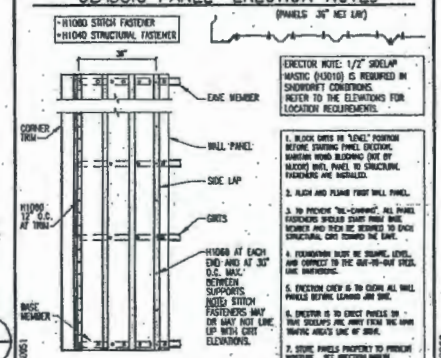
SEE WALL SHEETING ELEVATIONS FOR LOCATIONS

2 / D8

G00001

"CLASSIC PANEL" ERECTION NOTES

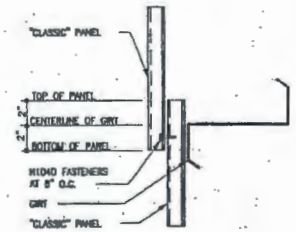
- H1080 STITCH FASTENER
- H1040 STRUCTURAL FASTENER



ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN SNOWDRIFT CONDITIONS. REFER TO THE ELEVATIONS FOR LOCATION REQUIREMENTS.

1. BLOCK GIRTS IN "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY NUCOR) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.
2. PLUMB AND PLANE FIRST WALL PANEL.
3. TO PREVENT "BOW-CAMBER", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND TRICK BE DRIVEN TO EACH STRUCTURAL GIRT TOWARD THE EAVE.
4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.
5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.
6. ERECTOR IS TO ERECT PANELS IN - TRUE SIDELAPS (NO AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.
7. STORE PANELS PROPERLY TO PROVIDE MANUAL. SEE ERECTION MANUAL.

G00051

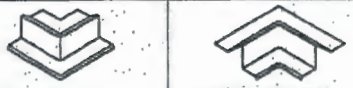


STANDARD WALL PANEL LAP

"CLASSIC" PANEL

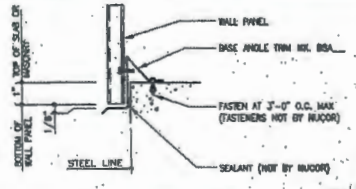
4 / D8

G00052



OUTSIDE CORNER TRIM
MK. H4140

INSIDE CORNER TRIM
MK. H4150



BASE TRIM DETAIL

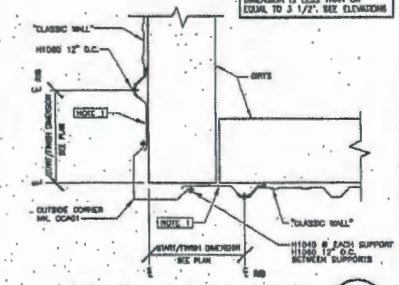
BASE ANGLE TRIM

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

5 / D8

G00010

NOTE 1
FILLER TRIM MK. MF801 (SHOWN) IS NOT REQUIRED WHERE START/FINISH DIMENSION IS LESS THAN OR EQUAL TO 3 1/2". SEE ELEVATIONS

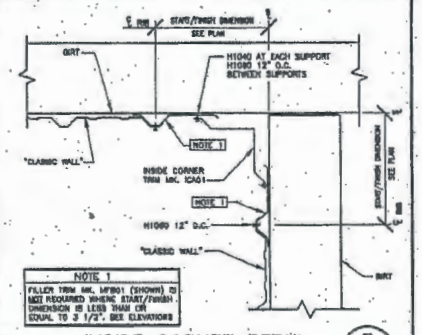


OUTSIDE CORNER DETAIL

"CLASSIC WALL"

6 / D8

CC0021



NOTE 1
FILLER TRIM MK. MF801 (SHOWN) IS NOT REQUIRED WHERE START/FINISH DIMENSION IS LESS THAN OR EQUAL TO 3 1/2". SEE ELEVATIONS

INSIDE CORNER DETAIL

"CLASSIC WALL"

7 / D8

CC0031

ISSUE	DWN	CHK	ENG	P.E.	DATE
FINAL ERECTION	LJ/DR	CSS	T.A.		1-19-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH

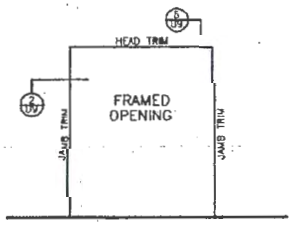
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: W08X0666A

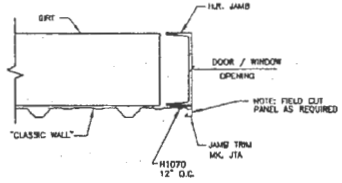
SHEET NO.

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER
01/15/09

THIS DRAWING IS THE PROPERTY OF NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE INFORMATION AND THE NEW BUILDING WHICH THIS REPRESENTS ARE THE PURSUITS OF NUCOR BUILDING SYSTEMS. THE REPRODUCED INFORMATION, PRODUCT PRICE DATA, PRICING OR TRADE INFORMATION IS CONSIDERED BY NUCOR BUILDING SYSTEMS AND SHOULD NOT BE GIVEN TO ANY NUCOR BUILDING SYSTEMS PROJECT PARTNER OR VENDOR AND SHALL NOT BE CONSIDERED AS BIDDING.



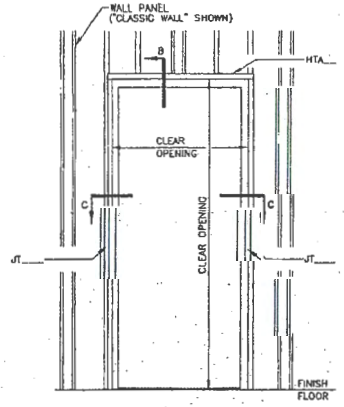
ERECTOR NOTES
1.) FIELD CUT PANELS AROUND OPENINGS AS REQUIRED.



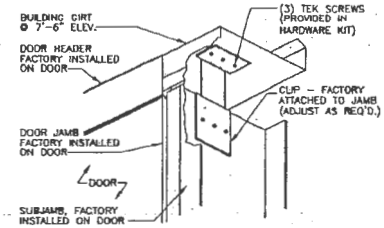
GD0021

H.R. JAMB DETAIL

"CLASSIC WALL" — 2 / D9

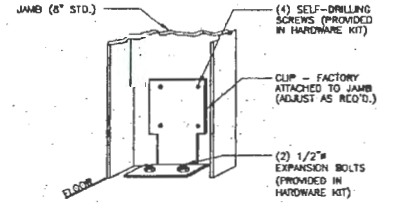


DOOR TRIM ELEVATION



DOOR FRAME INSTALLATION AT TOP

STAND FRAME & ADJUST CLIP AT JAMB AS REQUIRED.



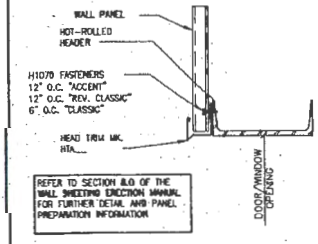
DOOR FRAME INSTALLATION AT BASE

STAND FRAME & ADJUST CLIP AT JAMB AS REQ'D. ATTACH CLIP TO GIRT W/ (3) SELF-DRILLING SCREWS.

NUCOR WALKDOOR ERECTION DETAILS

USE ONLY WHERE STANDARD NUCOR DOORS ARE REQUIRED. SEE COVERSHEET (SHEET C1) FOR STANDARD DOOR REQUIREMENTS.

GA0010

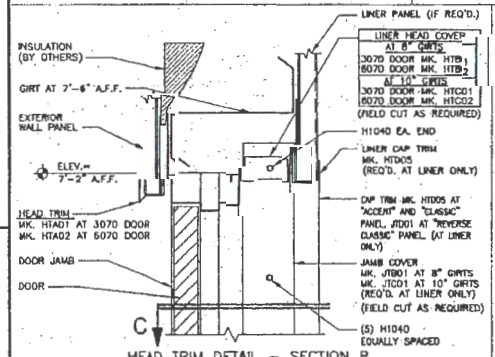


REFER TO SECTION 8.0 OF THE WALL SHEETING ERECTION MANUAL FOR FURTHER DETAIL AND PANEL PREPARATION INFORMATION

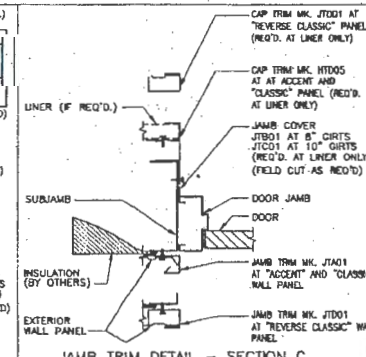
GD0041

HOT-ROLLED HEADER DETAIL

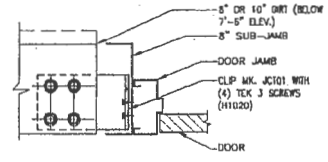
FOR ALL STANDARD WALL PANEL TYPES — 5 / D9



HEAD TRIM DETAIL - SECTION B

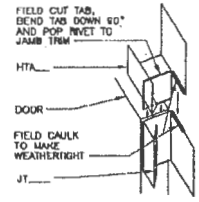


JAMB TRIM DETAIL - SECTION C



GIRT TO SUBJAMB DETAIL

USE (4) 1/2" X 1 1/2" A307 BOLTS H0500/NUTS H0400
FIELD CUT GIRT TO LENGTH AS REQUIRED.
FIELD WORK HOLES IN GIRT TO ACCEPT CLIP AS REQUIRED.
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS



TRIM CORNER DETAIL

TOP RIGHT CORNER SHOWN

ISSUE	DWN.	CHK.	ENG.	P.E.	DATE
FINAL DRAWING	JJ/DR	CSS			1-13-09

NUCOR BUILDING SYSTEMS
305 INDUSTRIAL PARKWAY
WATERLOO, IN 46793
PHONE: (260) 837-7891
FAX: (260) 837-7384

PROJECT NAME: AUGUSTA FIBERGLASS/BOW, NH
BOW, NH
CUSTOMER: AUGUSTA FIBERGLASS
MOUNTVILLE, SC
JOB NUMBER: W08X0666A
SH SET NO: D

STATE OF NEW HAMPSHIRE
KEVIN R. BECKMANN
NO. 12108
LICENSED
PROFESSIONAL ENGINEER
5/21/09

THIS SEAL PERTAINS ONLY TO THE STRUCTURAL MATERIALS HEREIN AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION, INC. DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REFERENCED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THIS DRAWING IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT WORK AS AN INDEPENDENT THE PRACTICE ENGINEER OF RECORD AND SHALL NOT BE CONSIDERED AS SUCH.

Chandra Nicholson

From: Sara Parker <sparker1023@gmail.com>
Sent: Wednesday, June 01, 2016 11:54 AM
To: cnicholson@gautier-ms.gov
Subject: Fwd: B & D Plastics Expansion
Attachments: B & D Reference Material.pdf

EXHIBIT L

---------- Forwarded message ----------
From: "Robert Parker" <rparkersouthseas@aol.com>
Date: May 26, 2016 5:38 PM
Subject: B & D Plastics Expansion
To: <mayor@gautier-ms.gov>, <councilwomanatlarge@gautier-ms.gov>, <Councilmanward1@gautier-ms.gov>, <Councilmanward2@gautier-ms.gov>, <Councilmanward3@gautier-ms.gov>, <Councilmanward4@gautier-ms.gov>, <Councilmanward5@gautier-ms.gov>
Cc:

Attention: City of Gautier, Mayor and City Council

My name is Robert Parker and I reside at 7001 Baker, Gautier MS, 39565. I have some serious questions and concerns around the expansion of B&D Plastic as they are out lined below. I've also attached a PDF with pictures of the recent expansions and reference materials associated with the outlined material. I hope that the City of Gautier will consider the negative effects this expansion will have on my family's health, our property value and quality of life.

- How was B & D Plastics rezoned north of Allen Road without any notification to the residents? (see February 3, 2011 meeting minutes) To our knowledge and per the February 11 meeting minutes, the rezoning was for south of Allen Road only. We were told that any rezoning occurring within 250 feet of our property line would require resident notification. There are approximately seven acres south of Allen Road that is owned by Mr. T. Reeves. Why is the development not being done south of Allen Road where the initial C-3 zoning took place?

- How has B & D not already exceeded C-3 light manufacturing guidelines? The vessels that are being fabricated are built for heavy industrial use. The equipment used to manufacture the vessels are considered to be heavy industrial. The chemicals and quantity of that are used in the manufacturing process also found in heavy industrial environments.
    - Per the February 3, 2011 City Council meeting, the volume of work and what is being manufactured is the deciding factor in C-3 versus light industrial. At the time of the February 3, 2011 meeting, B & D Plastics was less than one-third of the size it is currently operating at today.

- From 2010 to current, production scale has increased dramatically. This brings to question the volume and types of chemicals that are being used at this scale. There are no present scrubber systems, fire protection or known water run off protection from these chemicals. A variety of these chemicals are known carcinogens, among other health risks. The U.S. Environmental Protection Agency (EPA) has described styrene to be "a suspected toxin to the gastrointestinal tract, kidney, and respiratory system, among others."[16][17] On 10 June 2011, the U.S. National Toxicology Program has described styrene as "reasonably anticipated to be a human carcinogen".[At what point and distance from a residents is the company required to protect residents from these hazards?

- When the vessels are being transported from B & D Plastics to their destination, power, phone and cable connections are temporarily disabled. Allen Road is also totally blocked until the vessels reach Highway 57. This takes approximately an hour before Allen Road is accessible again for use. This is the ONLY route to and from any residence in this area. This problem needs to be addressed regardless of the expansion in question.

- B & D Plastics seems to have been misrepresented in City Council meetings by stating that this is a locally owned and operated company. Per the Secretary of State, Tom Reeves is the manager and John Boyd is a member. Does this mean that John Boyd is the owner? Until approximately March or April of 2016, Augusta Fiberglass had signage at the entrance of Allen Road as well as B & D Plastics. Augusta Fiberglass also had their company name on an office trailer on site at B & D Plastics. Augusta Fiberglass is located in Blackville, SC. Augusta Fiberglass also appears to be a co-owner of B & D Plastics.

Thank you for time and I consideration.

Robert Parker