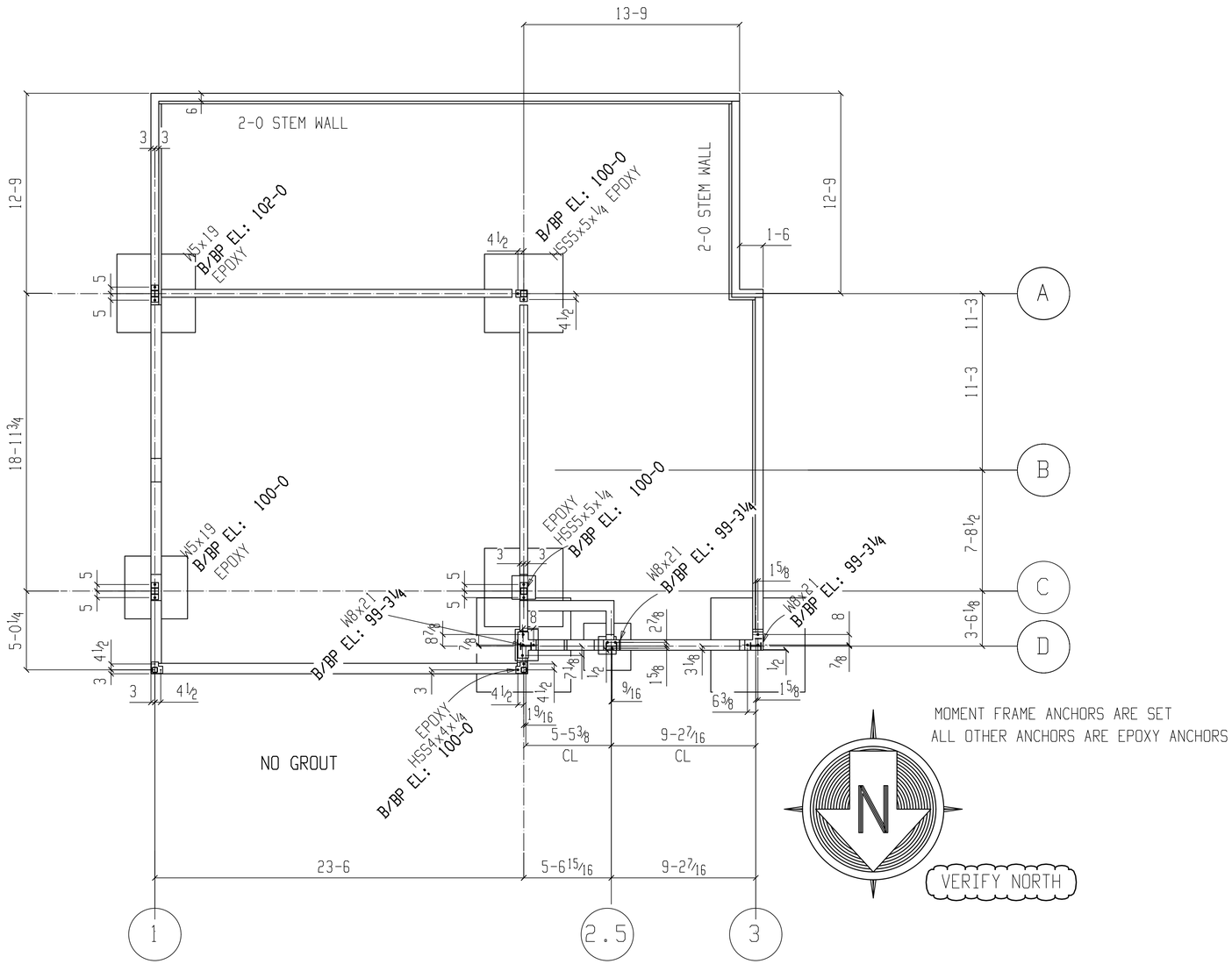


MOMENT FRAME ANCHORS ARE SET
ALL OTHER ANCHORS ARE EPOXY ANCHORS

ANCHOR BOLT LAYOUT

REVISED PER CUSTOMER NOTES 8-1-24

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

REV	DATE	DESCRIPTION	CHK	DET

ERECTOR NOTE: ERECT EACH BEAM OR JOIST WITH PIECE MARK LOCATED AS SHOWN ON PLAN WITH PIECE MARK IN UPRIGHT POSITION AS READ FROM BELOW.

REV.	DATE	BY	DESCRIPTION
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

FCC CONSTRUCTION INC.

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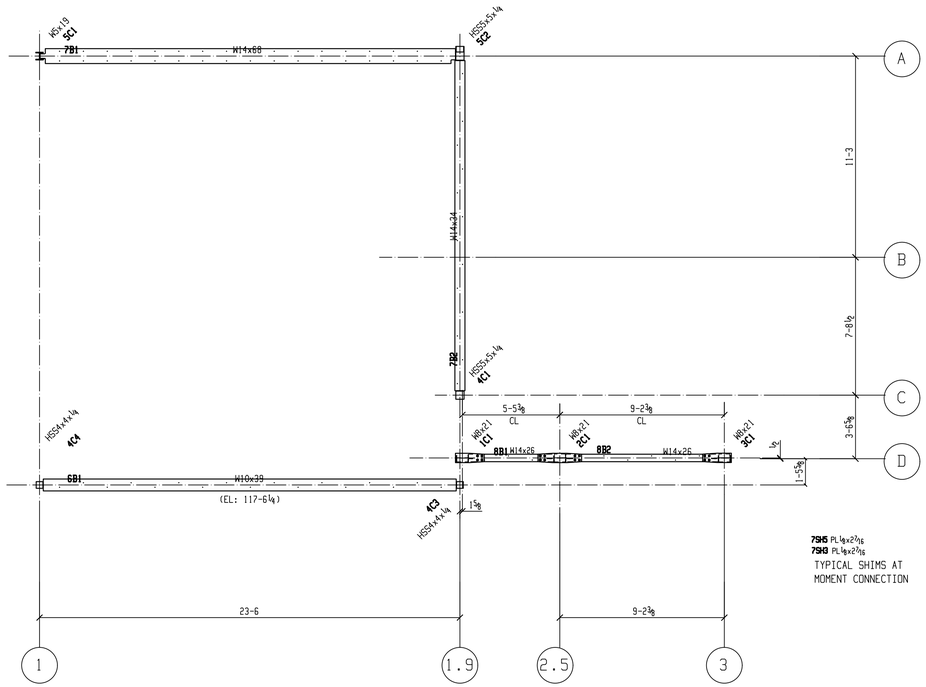
PROJECT: DEHAAN MACATAWA HOUSE
LOCATION: MACATAWA, MI
CUSTOMER: DEHAAN HOMES
ARCHITECT: C.A.S.

TITLE: ANCHOR BOLT LAYOUT

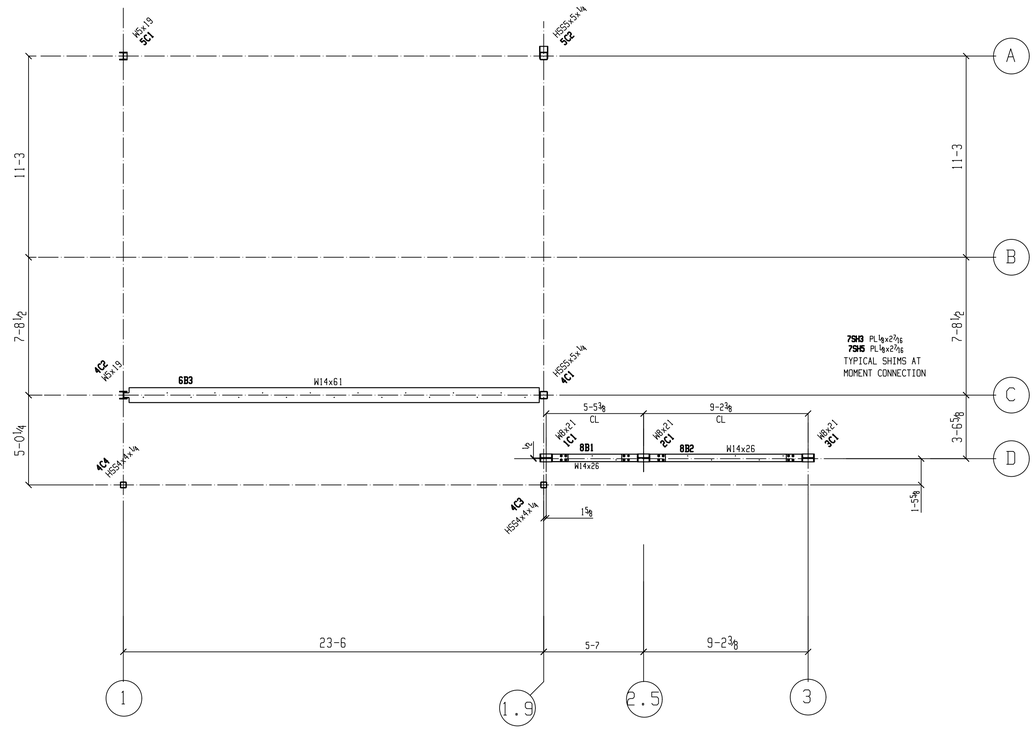
DR. BY: PP DATE: 7-24-24
CK. BY: ZH DATE: 7-25-24

FILE NUMBER : 6810
DRAWING NUMBER : AB1

Aug 01 2024 12:39:50 PM



PLAN VIEW-EL: 118-6 1/8



PLAN VIEW- EL: 108-11 1/2

Elevation: 108-11 1/2 (U.N.)

SPRAY ON FIRPROOFING REQUIRED

YES NO

REV	DATE	DESCRIPTION	CHK	DET

ERECTOR NOTE; ERECT EACH BEAM OR JOIST WITH PIECE MARK LOCATED AS SHOWN ON PLAN WITH PIECE MARK IN UPRIGHT POSITION AS READ FROM BELOW.

REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

FCC CONSTRUCTION INC.

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PROJECT: DEHAAN MACATAWA HOUSE
LOCATION: MACATAWA, MI
CUSTOMER: DEHAAN HOMES
ARCHITECT: C.A.S.

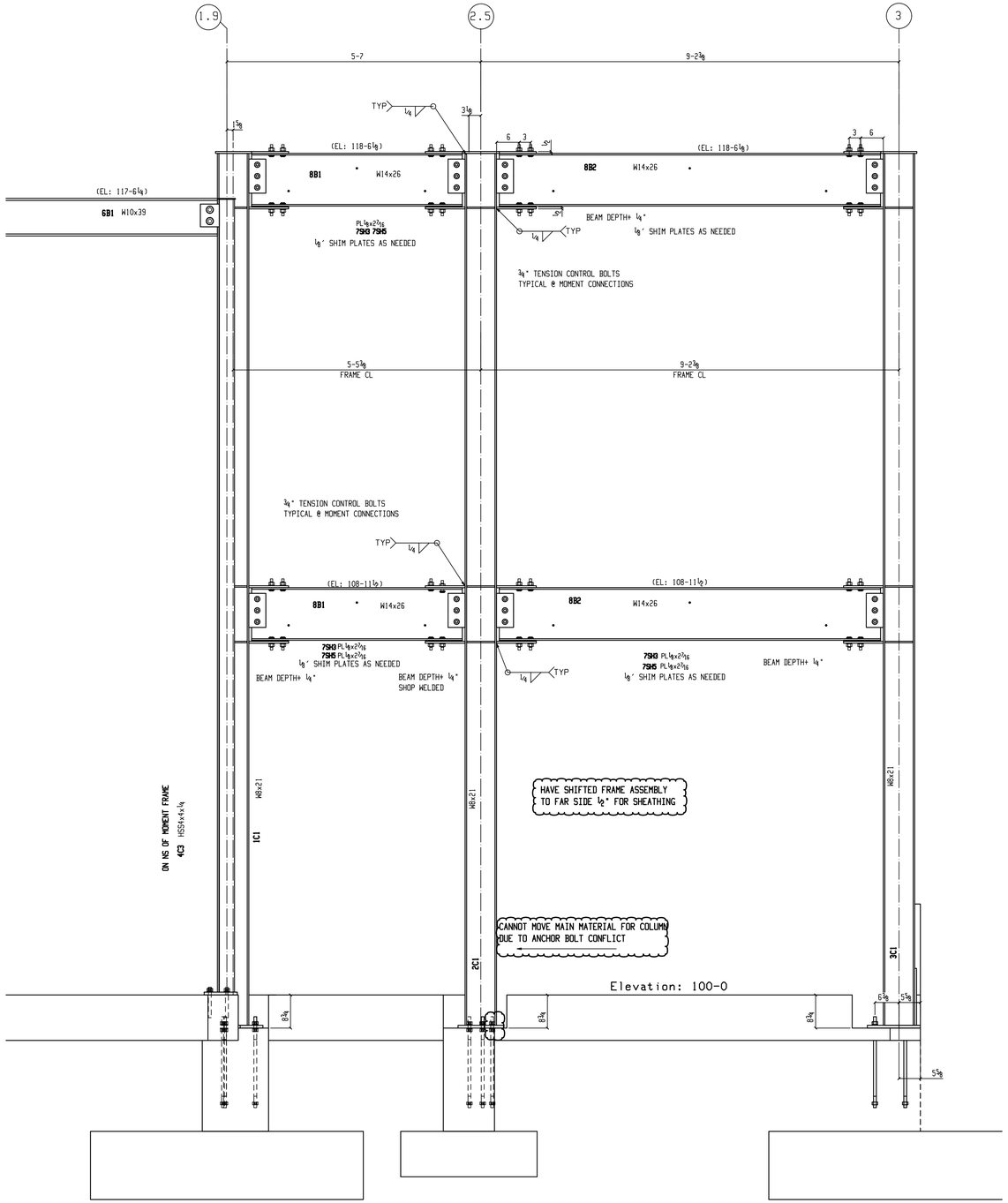
TITLE: FRAMING PLAN

DR. BY: PP DATE: 7-24-24
CK. BY: ZH DATE: 7-25-24

FILE NUMBER : 6810

DRAWING NUMBER : E1

Aug 01 2024 12:39:51 PM



ELEVATION VIEW@ MOMENT CONNECTIONS-FROM NORTH

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

REV	DATE	DESCRIPTION	CHK	DET

ERECTOR NOTE: ERECT EACH BEAM OR JOIST WITH PIECE MARK LOCATED AS SHOWN ON PLAN WITH PIECE MARK IN UPRIGHT POSITION AS READ FROM BELOW.

REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

FCC CONSTRUCTION INC.

THESE DRAWINGS ARE THE PROPERTY OF FCC AND ARE NOT TO BE REUSED OR REPRODUCED WITHOUT PRIOR WRITTEN PERMISSION.

PROJECT: DEHAAN MACATAWA HOUSE

LOCATION: MACATAWA, MI

CUSTOMER: DEHAAN HOMES

ARCHITECT: C.A.S.

TITLE: FRAMING PLAN

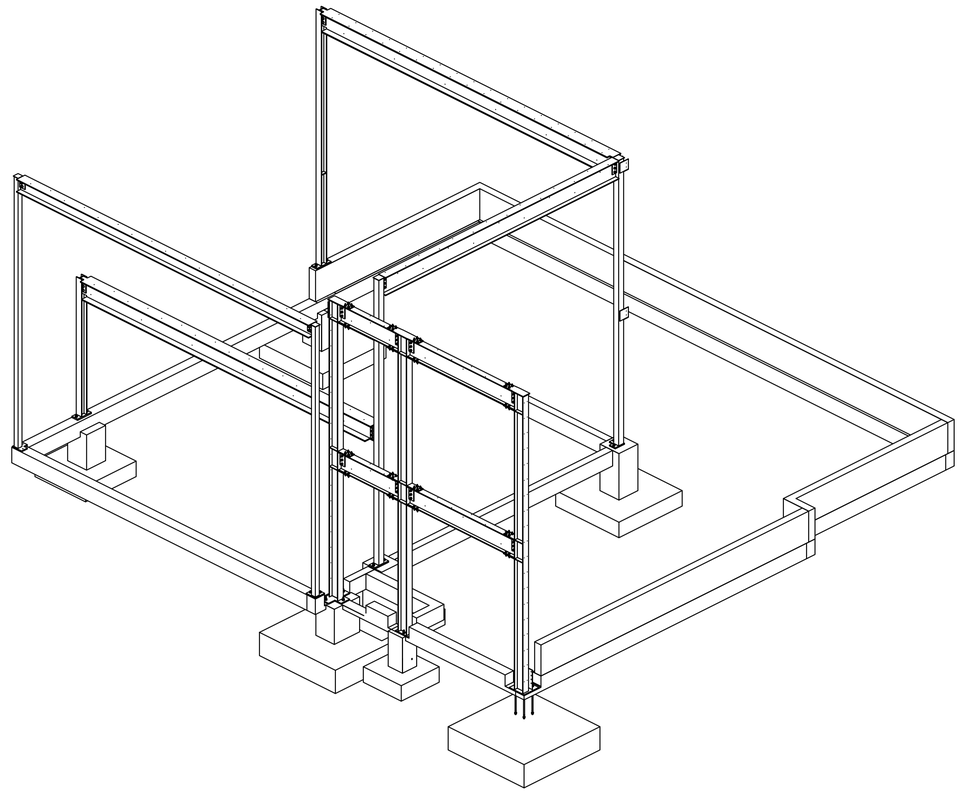
DR. BY: PP DATE: 7-24-24

CK. BY: ZH DATE: 7-25-24

FILE NUMBER : 6810

DRAWING NUMBER : E2

Aug 01 2024 12:39:51 PM



ISO

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

REV	DATE	DESCRIPTION	CHK	DET

ERECTOR NOTE: ERECT EACH BEAM OR JOIST WITH PIECE MARK LOCATED AS SHOWN ON PLAN WITH PIECE MARK IN UPRIGHT POSITION AS READ FROM BELOW.

REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

FCC CONSTRUCTION INC.

THESE DRAWINGS ARE THE PROPERTY OF FCC AND ARE NOT TO BE REUSED OR REPRODUCED WITHOUT PRIOR WRITTEN PERMISSION.

PROJECT: DEHAAN MACATAWA HOUSE

LOCATION: MACATAWA, MI

CUSTOMER: DEHAAN HOMES

ARCHITECT: C.A.S.

TITLE: FRAMING PLAN

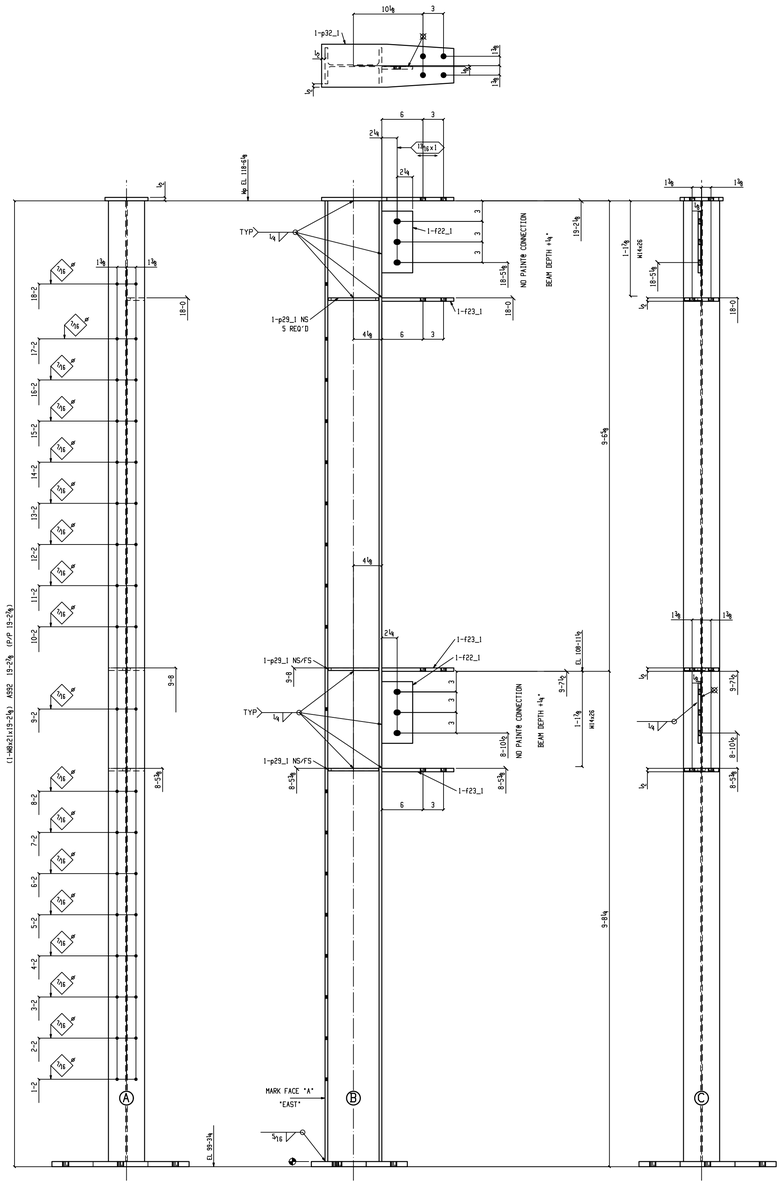
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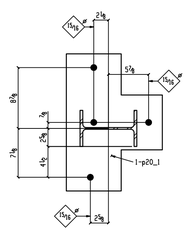
CK. BY: ZH DATE: 7-25-24

FILE NUMBER : 6810

DRAWING NUMBER : ISO

Aug 01 2024 12:39:52 PM





ONE COLUMN 1C1

AT GRID:
D & 2

BILL OF MATERIAL

SEQ NO.	QTY	QTY Total	PC MARS SHIP	ASS'Y.	SIZE	LENGTH FT	LENGTH IN	REMARKS	SOURCE	TOTAL WEIGHT
1	1	ONE	1C1		COLUMN					519
		1		1C1	W8x21	19	2⅛	A992		403
		1		p20_1	PL¾x14	1	8	A36		60
		1		p32_1	PL½x6¼	1	7¼	A36		17
		3		f23_1	FL½x5	0	10½	A36		21
		2		f22_1	FL⅜x4½	0	9	A36		8
		5		p29_1	PL⅜x2½	0	7⅜	A36		10

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

MATERIAL ASTM A36 U.N.O.
PAINT:1 S.C. STD. GREY PRIMER
BEAM- NO PAINT TOP FLANGE UNO
SHOP BOLTS: ¾ Dia. A325
OPEN HOLES: 13/16 Dia. TYP. U.N.O.
WELD ROD E70XX U.N.

FCC CONSTRUCTION INC.

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REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

REV	DATE	DESCRIPTION	CHK	DET

PROJECT: DEHAAN MACATAWA HOUSE

TITLE: MEMBERS

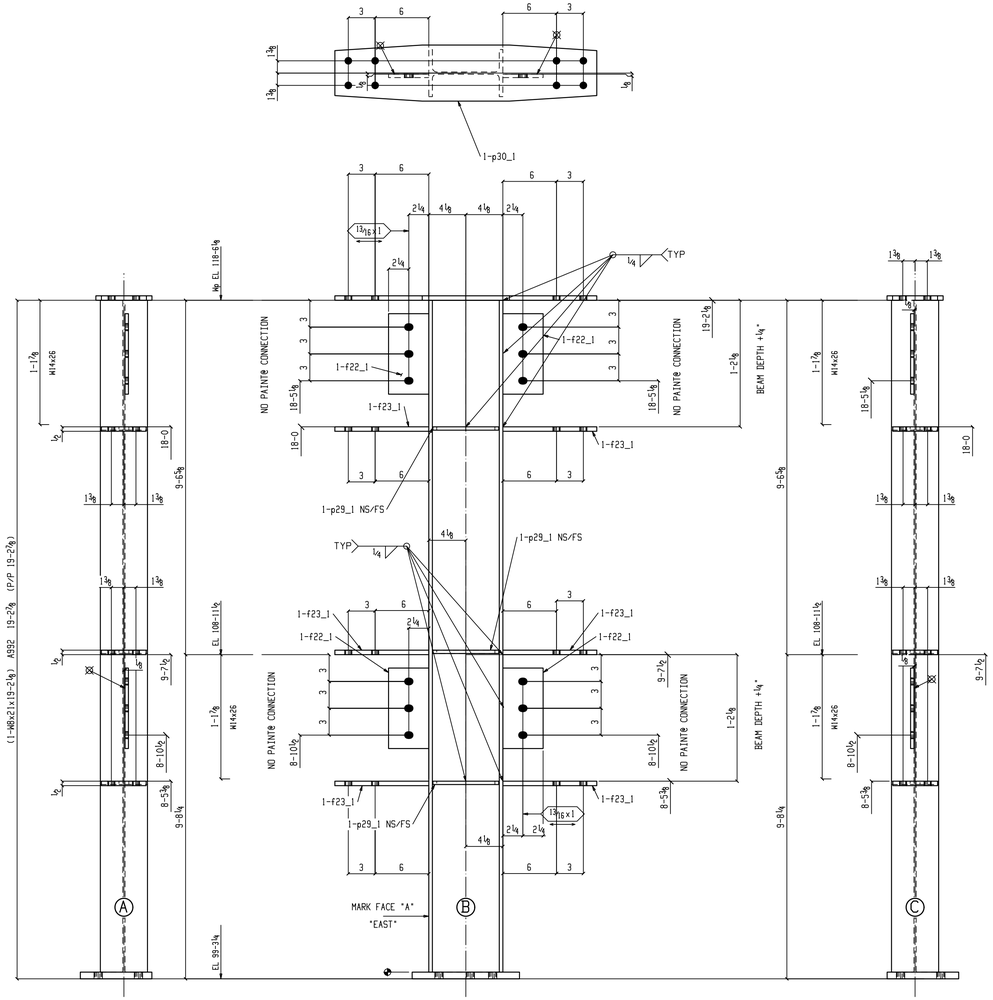
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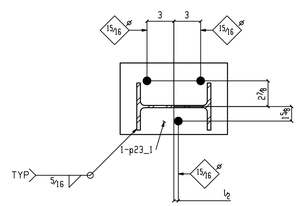
CK. BY: DATE:

FILE NUMBER : 6810

DRAWING NUMBER : 1

Aug 01 2024 12:39:47 PM





ONE COLUMN 2C1

AT GRID:
D & 2.5

BILL OF MATERIAL

SEQ NO.	QTY	QTY Total	PC MARS SHIP	ASS'Y.	SIZE	LENGTH FT	LENGTH IN	REMARKS	SOURCE	TOTAL WEIGHT
1	1	ONE	2C1		COLUMN					520
		1		2C1	W8x21	19	2⅛	A992		403
		1		p23_1	PL¾x8	1	0	A36		20
		1		p30_1	PL½x6¼	2	5¼	A36		26
		6		f23_1	FL½x5	0	10½	A36		43
		4		f22_1	FL⅜x4½	0	9	A36		16
		6		p29_1	PL⅜x2½	0	7⅜	A36		12

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

MATERIAL ASTM A36 U.N.O.
PAINT:1 S.C. STD. GREY PRIMER
BEAM- NO PAINT TOP FLANGE UNO
SHOP BOLTS: ¾ Dia. A325
OPEN HOLES: 13/16 Dia. TYP. U.N.O.
WELD ROD E70XX U.N.

FCC CONSTRUCTION INC.

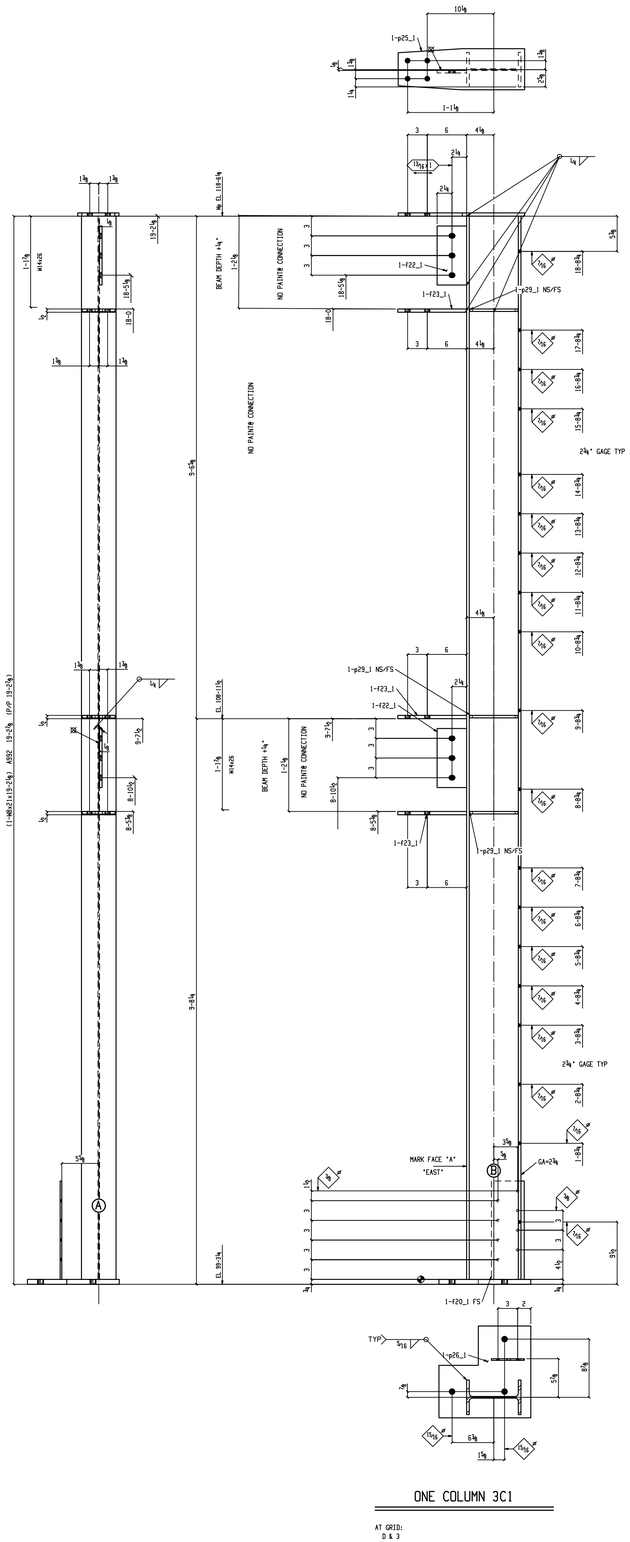
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REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

REV	DATE	DESCRIPTION	CHK	DET

PROJECT: DEHAAN MACATAWA HOUSE
TITLE: MEMBERS
DR. BY: PP DATE: 1-9-24
CK. BY: DATE:
FILE NUMBER : 6810
DRAWING NUMBER : 2

Aug 01 2024 12:39:47 PM



ONE COLUMN 3C1

AT GRID:
D & 3

BILL OF MATERIAL

SEQ NO.	QTY	QTY Total	PC MARS SHIP	PC MARS ASS'Y.	SIZE	LENGTH FT	LENGTH IN	REMARKS	SOURCE	TOTAL WEIGHT
1	1	ONE	3C1		COLUMN					508
		1		3C1	W8x21	19	2 1/8	A992		403
		1		p26_1	PL 3/4x14	1	2	A36		42
		1		p25_1	PL 1/2x6 1/4	1	7 1/4	A36		17
		3		f23_1	FL 1/2x5	0	10 1/2	A36		21
		2		f22_1	FL 3/8x4 1/2	0	9	A36		8
		6		p29_1	PL 3/8x2 1/2	0	7 3/8	A36		12
		1		f20_1	FL 1/4x5	1	3	A36		5

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

MATERIAL ASTM A36 U.N.O.
PAINT:1 S.C. STD. GREY PRIMER
BEAM- NO PAINT TOP FLANGE UNO
SHOP BOLTS: 3/4 Dia. A325
OPEN HOLES: 13/16 Dia. TYP. U.N.O.
WELD ROD E70XX U.N.

FCC CONSTRUCTION INC.

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REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

REV	DATE	DESCRIPTION	CHK	DET

PROJECT: DEHAAN MACATAWA HOUSE

TITLE: MEMBERS

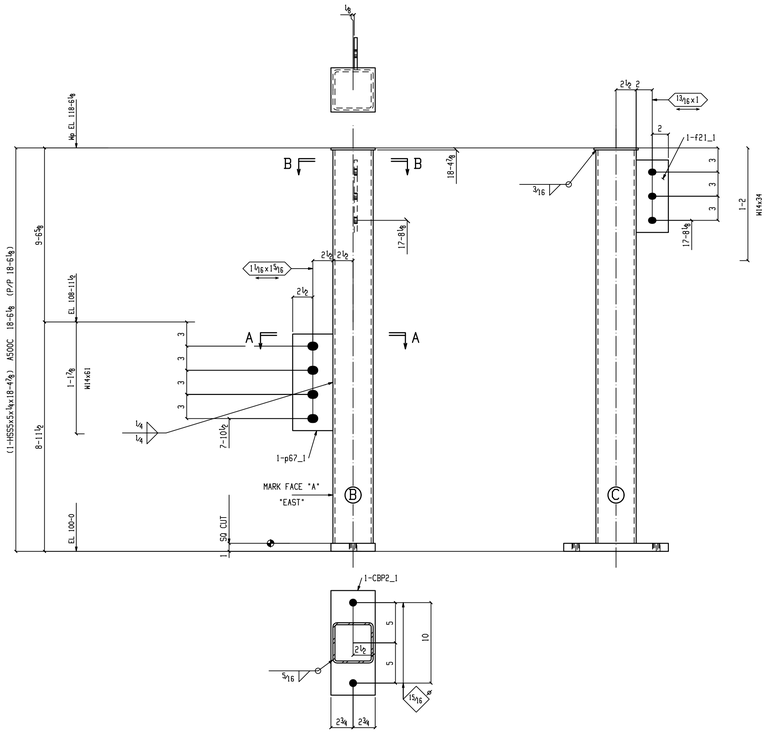
DR. BY: PP DATE: 1-9-24

CK. BY: DATE:

FILE NUMBER : 6810

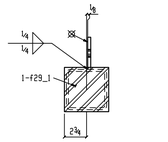
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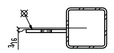


ONE COLUMN 4C1

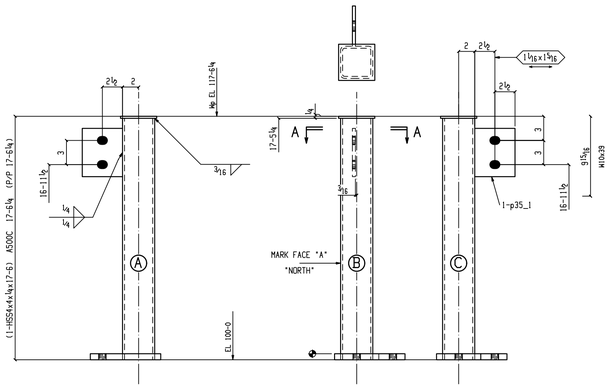
AT GRID:
C & 1.9

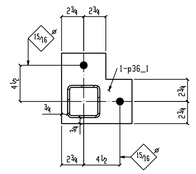


Section B-B
4C1



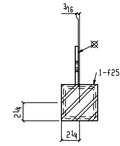
Section A-A
4C1



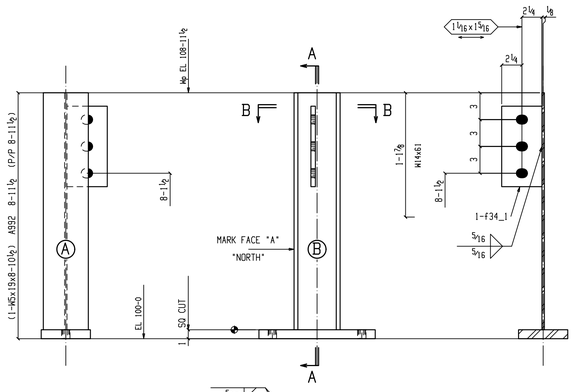


ONE COLUMN 4C3

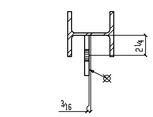
AT GRID:
D & 1.9



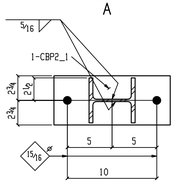
Section A-A
4C3



Section A-A
4C2

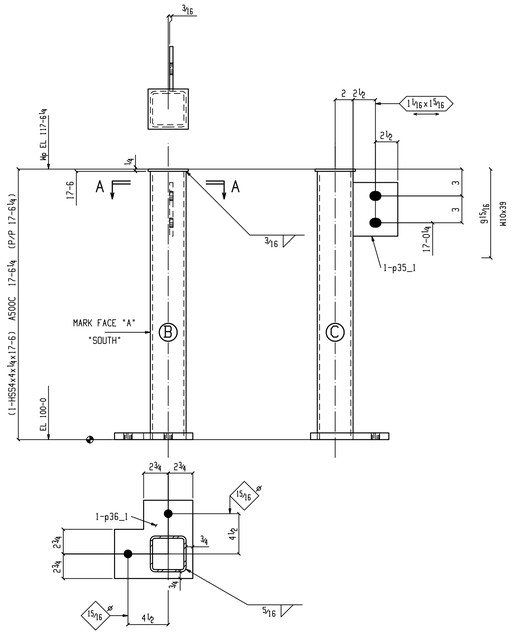


Section B-B
4C2



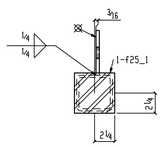
ONE COLUMN 4C2

AT GRID:
C & 1



ONE COLUMN 4C4

AT GRID:
D & 1



Section A-A
4C4

BILL OF MATERIAL

SEQ NO.	QTY	QTY Total	PC MARS SHIP	ASS'Y.	SIZE	LENGTH FT	LENGTH IN	REMARKS	SOURCE	TOTAL WEIGHT
1	1	ONE	4C1		COLUMN					320
		1		4C1	HSS5x5x¼	18	4⅞	S1E A500C		288
		1		CBP2_1	PL1x5½	1	1	A36		20
		1		p67_1	PL⅜x5	1	0	A36		6
		1		f21_1	PL⅜x4	0	9	A36		4
		1		f29_1	FL¼x5½	0	5½	A36		2
1	1	ONE	4C2		COLUMN					194
		1		4C2	W5x19	8	10½	S1E A992		169
		1		CBP2_1	PL1x5½	1	1	A36		20
		1		f34_1	FL½x4½	0	9	A36		5
1	1	ONE	4C3		COLUMN					235
		1		4C3	HSS4x4x¼	17	6	A500C		214
		1		p36_1	PL¾x8¾	0	8¾	A36		16
		1		p35_1	PL⅜x5	0	6	A36		3
		1		f25_1	FL¼x4½	0	4½	A36		1
1	1	ONE	4C4		COLUMN					235
		1		4C4	HSS4x4x¼	17	6	A500C		214
		1		p36_1	PL¾x8¾	0	8¾	A36		16
		1		p35_1	PL⅜x5	0	6	A36		3
		1		f25_1	FL¼x4½	0	4½	A36		1

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

MATERIAL ASTM A36 U.N.O.
PAINT:1 S.C. STD. GREY PRIMER
BEAM- NO PAINT TOP FLANGE UNO
SHOP BOLTS: ¾ Dia. A325
OPEN HOLES: 13/16 Dia. TYP. U.N.O.
WELD ROD E70XX U.N.

FCC CONSTRUCTION INC.

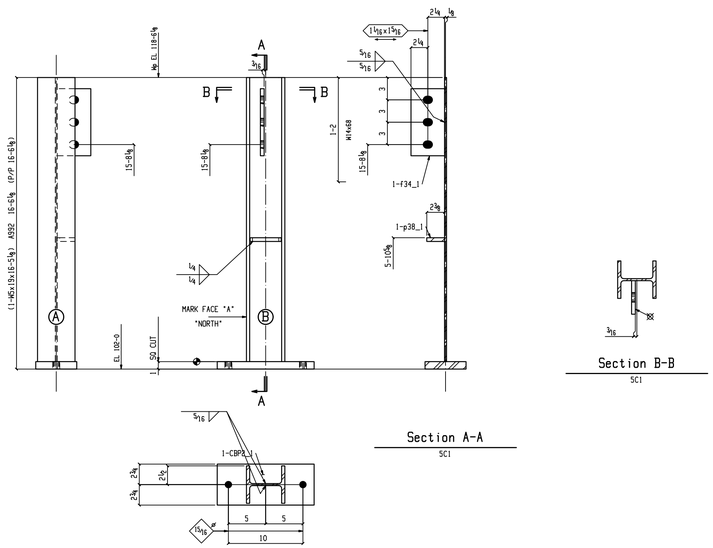
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REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

REV	DATE	DESCRIPTION	CHK	DET

PROJECT: DEHAAN MACATAWA HOUSE
TITLE: MEMBERS
DR. BY: PP DATE: 1-9-24
CK. BY: DATE:
FILE NUMBER : 6810
DRAWING NUMBER : 4

Aug 01 2024 12:39:48 PM

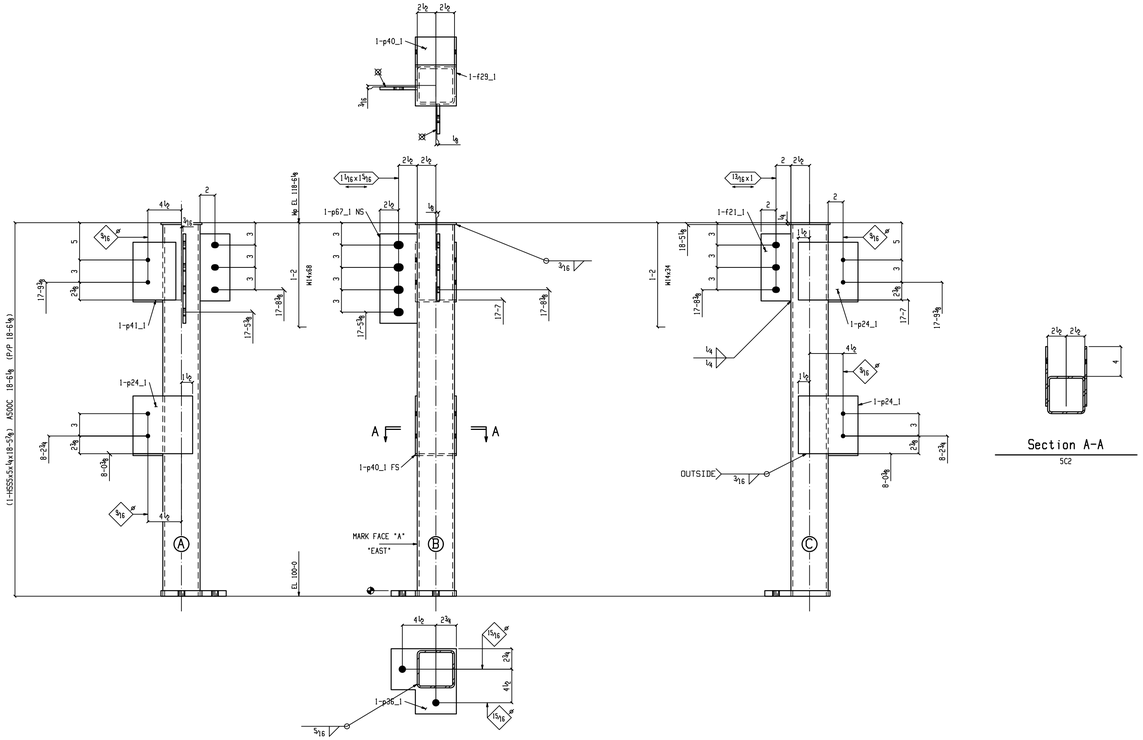


Section A-A
5C1

Section B-B
5C1

ONE COLUMN 5C1

AT GRID:
A & 1



Section A-A
5C2

ONE COLUMN 5C2

AT GRID:
A & 1.9

REV	DATE	DESCRIPTION	CHK	DET

BILL OF MATERIAL

SEQ NO.	QTY	QTY Total	PC MARS SHIP	ASS'Y.	SIZE	LENGTH FT	LENGTH IN	REMARKS	SOURCE	TOTAL WEIGHT
1	1	ONE	5C1		COLUMN					339
		1		5C1	W5x19	16	5⅛	S1E A992		312
		1		CBP2_1	PL1x5½	1	1	A36		20
		1		f34_1	FL½x4½	0	9	A36		5
		1		p38_1	PL½x2⅜	0	4 3/16	A36		1
1	1	ONE	5C2		COLUMN					337
		1		5C2	HSS5x5x¼	18	5⅛	A500C		289
		1		p36_1	PL⅜x8¾	0	8¾	A36		16
		1		p67_1	PL⅜x5	1	0	A36		6
		1		f21_1	FL⅜x4	0	9	A36		4
		3		p24_1	PL¼x7¾	0	8	A36		13
		1		p41_1	PL¼x5¾	0	7¾	A36		3
		1		f29_1	FL¼x5½	0	5½	A36		2
		2		p40_1	PL¼x4	0	5½	A36		3

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

MATERIAL ASTM A36 U.N.O.
PAINT:1 S.C. STD. GREY PRIMER
BEAM- NO PAINT TOP FLANGE UNO
SHOP BOLTS: ¾ Dia. A325
OPEN HOLES: 13/16 Dia. TYP. U.N.O.
WELD ROD E70XX U.N.

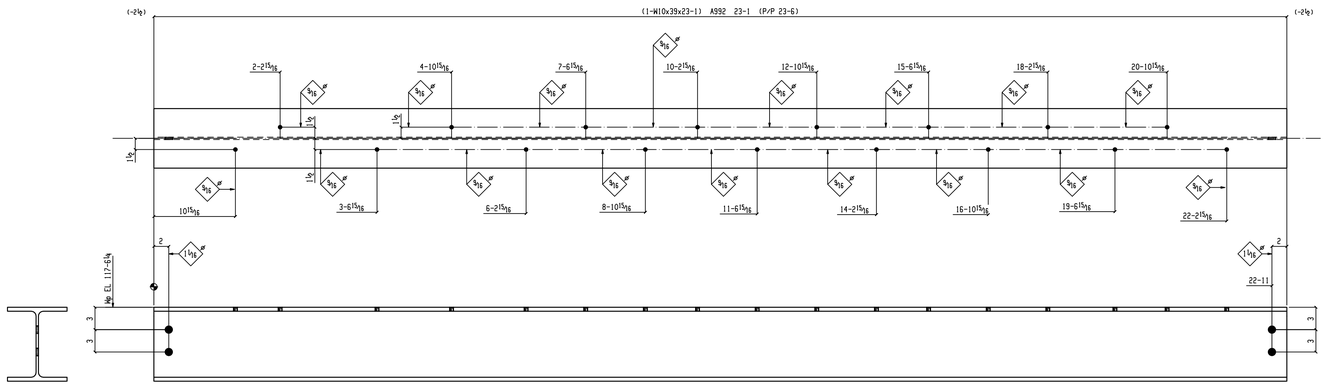
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FCC CONSTRUCTION INC.

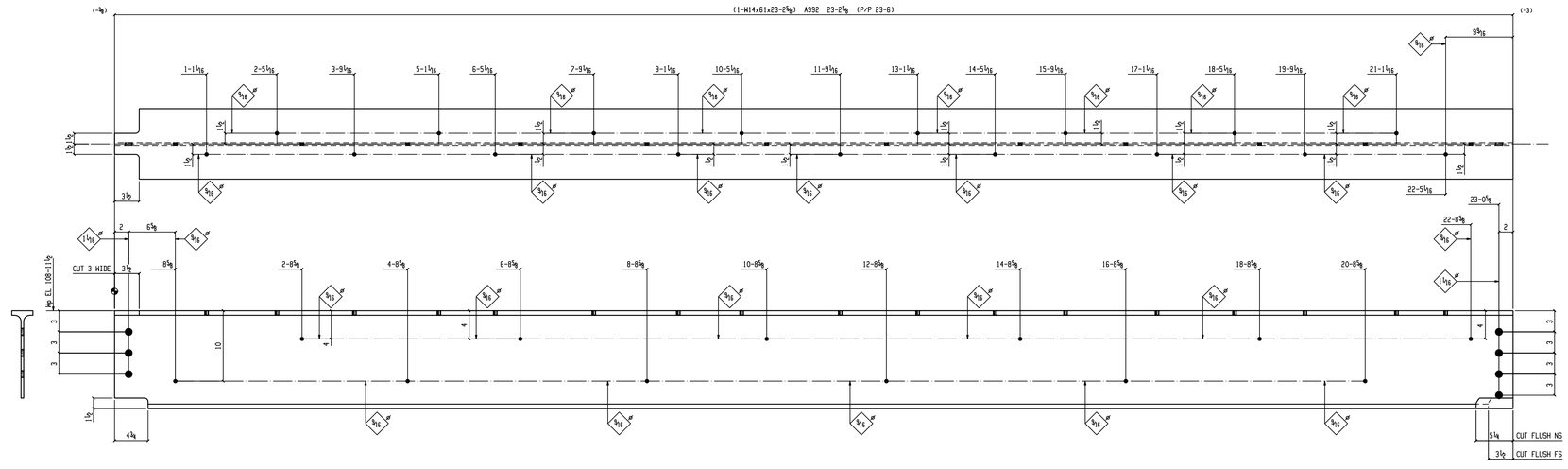
REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

PROJECT: DEHAAN MACATAWA HOUSE
TITLE: MEMBERS
DR. BY: PP DATE: 1-9-24
CK. BY: DATE:
FILE NUMBER : 6810
DRAWING NUMBER : 5

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ONE BEAM 6B1



ONE BEAM 6B3

BILL OF MATERIAL

SEQ NO.	QTY	QTY Total	PC MARS SHIP	ASS'Y.	SIZE	LENGTH FT	LENGTH IN	REMARKS	SOURCE	TOTAL WEIGHT
1	1	ONE	6B1		BEAM					900
		1		6B1	W10x39	23	1	A992		900
1	1	ONE	6B3		BEAM					1416
		1		6B3	W14x61	23	2⅝	A992		1416

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

MATERIAL ASTM A36 U.N.O.
PAINT:1 S.C. STD. GREY PRIMER
BEAM- NO PAINT TOP FLANGE UNO
SHOP BOLTS: ¾ Dia. A325
OPEN HOLES: 13/16 Dia. TYP. U.N.O.
WELD ROD E70XX U.N.

FCC CONSTRUCTION INC.

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REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

REV	DATE	DESCRIPTION	CHK	DET

PROJECT: DEHAAN MACATAWA HOUSE

TITLE: MEMBERS

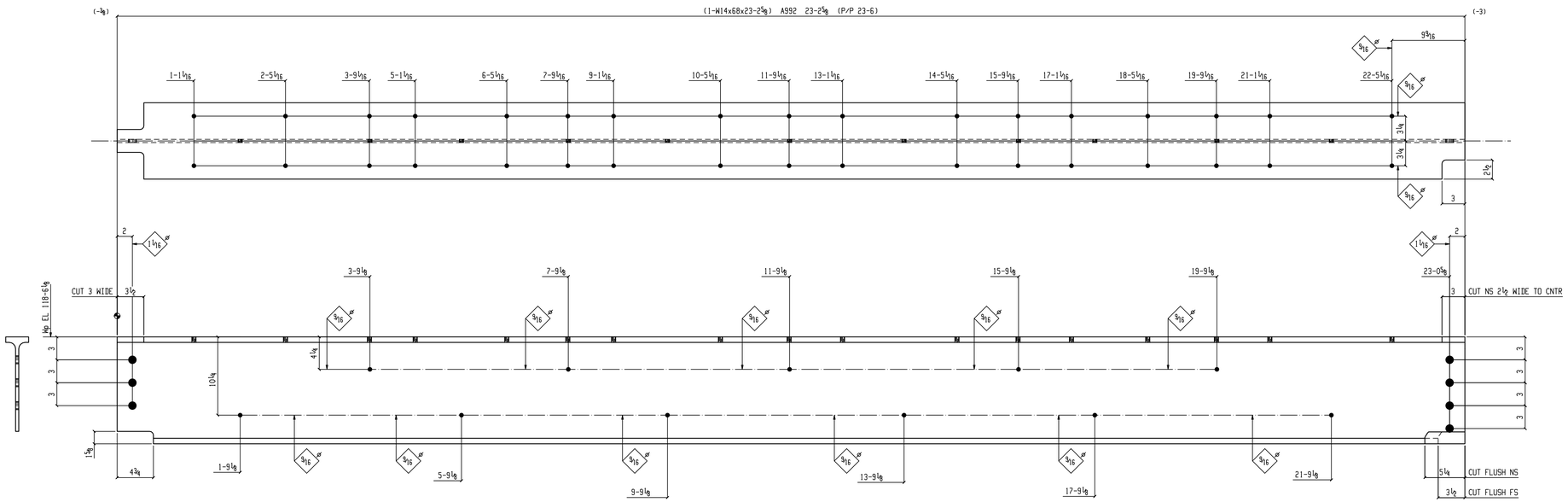
DR. BY: PP DATE: 1-9-24

CK. BY: DATE:

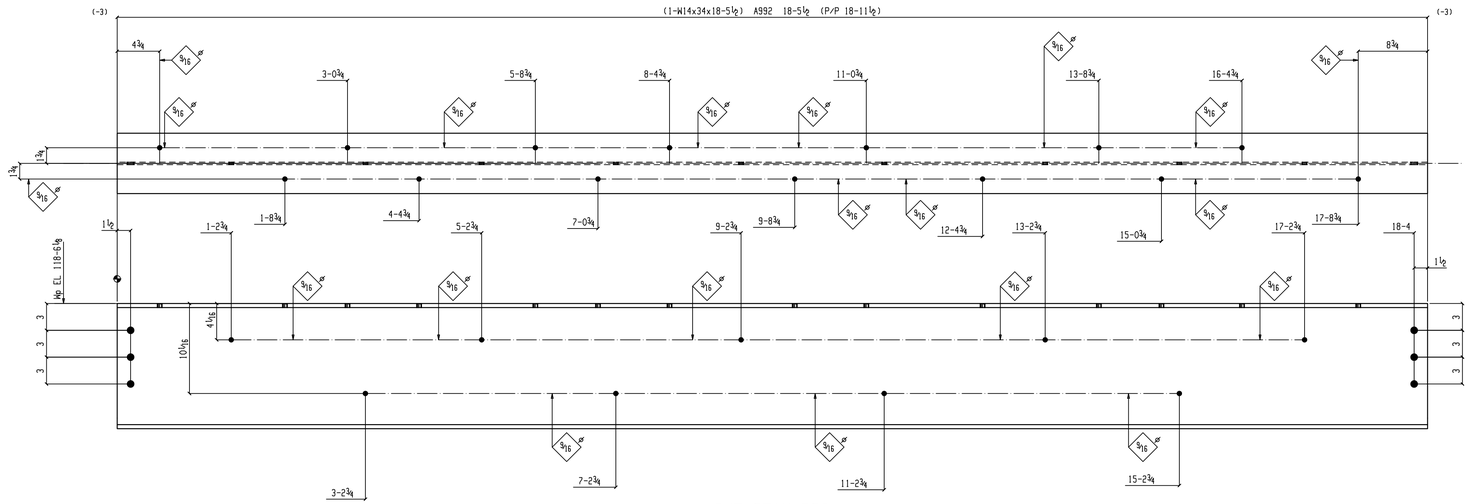
FILE NUMBER : 6810

DRAWING NUMBER : 6

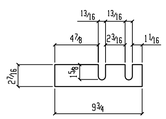
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ONE BEAM 7B1

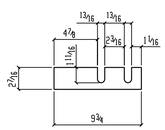


ONE BEAM 7B2



16 MISCS 7SH3

7SH4 NOT USED



16 MISCS 7SH5

BILL OF MATERIAL

SEQ NO.	QTY	QTY Total	PC MARS SHIP	ASS'Y.	SIZE	LENGTH FT	LENGTH IN	REMARKS	SOURCE	TOTAL WEIGHT
1	1	ONE	7B1		BEAM					1579
		1		7B1	W14x68	23	2⅝	A992		1579
1	1	ONE	7B2		BEAM					628
		1		7B2	W14x34	18	5½	A992		628
1	16	16	7SH3		MISC					14
		16		7SH3	PL⅛x2 7/16	0	9¾	A36		14
1	16	16	7SH5		MISC					14
		16		7SH5	PL⅛x2 7/16	0	9¾	A36		14

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

MATERIAL ASTM A36 U.N.O.
PAINT:1 S.C. STD. GREY PRIMER
BEAM- NO PAINT TOP FLANGE UNO
SHOP BOLTS: ¾ Dia. A325
OPEN HOLES: 13/16 Dia. TYP. U.N.O.
WELD ROD E70XX U.N.

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FCC CONSTRUCTION INC.

REV.	DATE	BY	DESCRIPTION
	1-9-24	PP	APPROVAL
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

REV	DATE	DESCRIPTION	CHK	DET

PROJECT: DEHAAN MACATAWA HOUSE

TITLE: MEMBERS

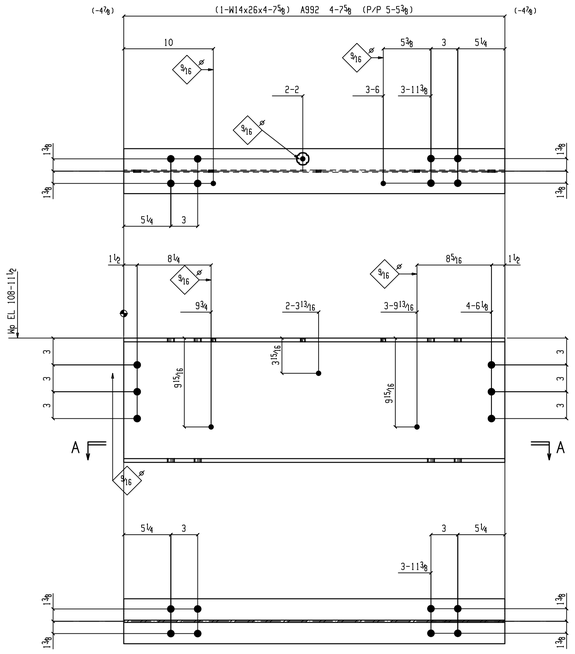
DR. BY: PP DATE: 1-9-24

CK. BY: DATE:

FILE NUMBER : 6810

DRAWING NUMBER : 7

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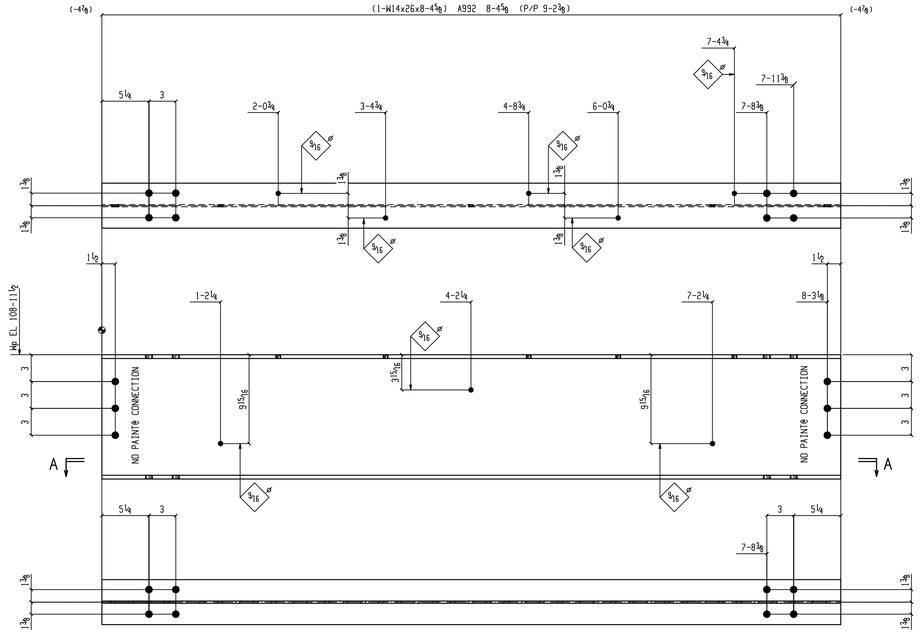
Section A-A

8B1

2 BEAMS 8B1

LEFT END USER INPUT LOADS:
SHEAR: 25.0 KIPS

RIGHT END USER INPUT LOADS:
SHEAR: 25.0 KIPS



Section A-A

8B2

2 BEAMS 8B2

LEFT END USER INPUT LOADS:
SHEAR: 25.0 KIPS

RIGHT END USER INPUT LOADS:
SHEAR: 25.0 KIPS

BILL OF MATERIAL

SEQ NO.	QTY	QTY Total	PC MARS SHIP	ASS'Y.	SIZE	LENGTH FT	LENGTH IN	REMARKS	SOURCE	TOTAL WEIGHT
1	2	2	8B1		BEAM					241
		2		8B1	W14x26	4	7⅝	A992		241
1	2	2	8B2		BEAM					436
		2		8B2	W14x26	8	4⅝	A992		436

SPRAY ON FIRPROOFING REQUIRED

☐ YES ☐ NO

MATERIAL ASTM A36 U.N.O.
PAINT:1 S.C. STD. GREY PRIMER
BEAM- NO PAINT TOP FLANGE UNO
SHOP BOLTS: ¾ Dia. A325
OPEN HOLES: 13/16 Dia. TYP. U.N.O.
WELD ROD E70XX U.N.

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REV	DATE	BY	DESCRIPTION
	7-25-24	PP	REVISED FOR RE-APPR.
	8-1-24	PP	REVISED PER CUSTOMER NOTES

REV	DATE	DESCRIPTION	CHK	DET

PROJECT: DEHAAN MACATAWA HOUSE
TITLE: MEMBERS
DR. BY: PP DATE:
CK. BY: DATE:
FILE NUMBER : 6810
DRAWING NUMBER : 8

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