

NOTICE

Be advised that all shipments are via outside trucking companies and are signed for in good condition and completeness at the pick-up location by the driver.

"No claim will be honored" unless the following procedures have been followed

EXTERNAL:

At the delivery point the driver is required to provide you with a bill of lading which lists and illustrates all bulk items to be received. Any "external" damage or shortage must be noted on all copies of the bill of lading and one copy is to be retained for your records. Failure to do so will make it impossible for the factory to honor any claim. **No exceptions!!!**

SPECIAL NOTE:

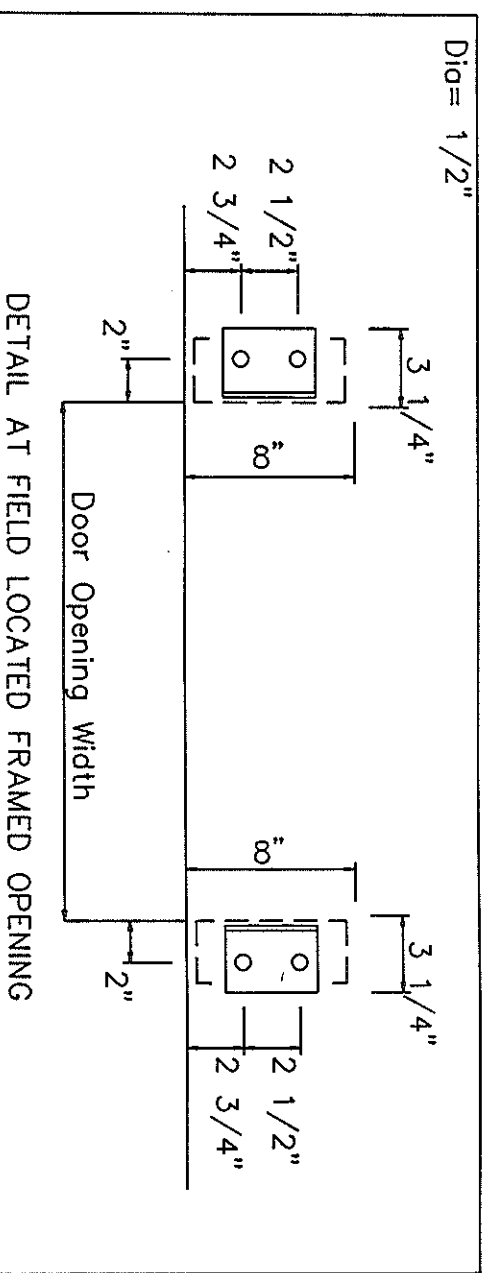
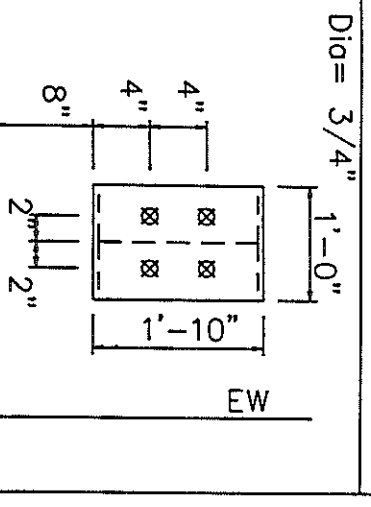
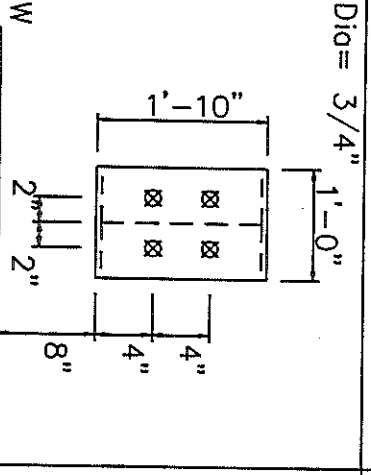
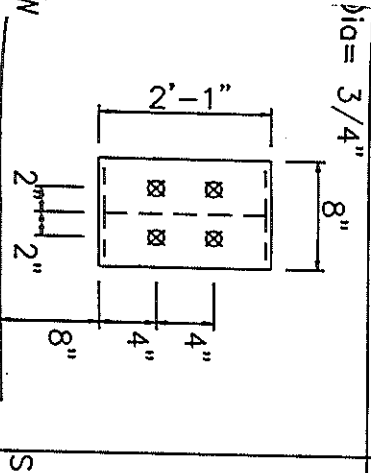
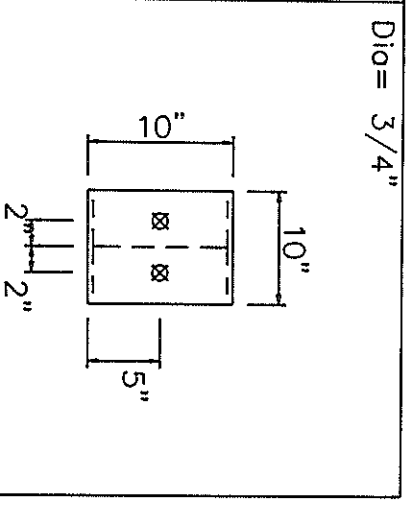
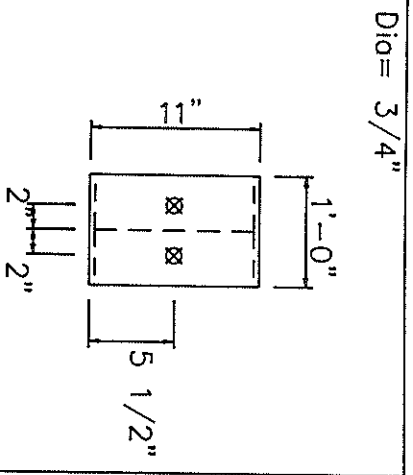
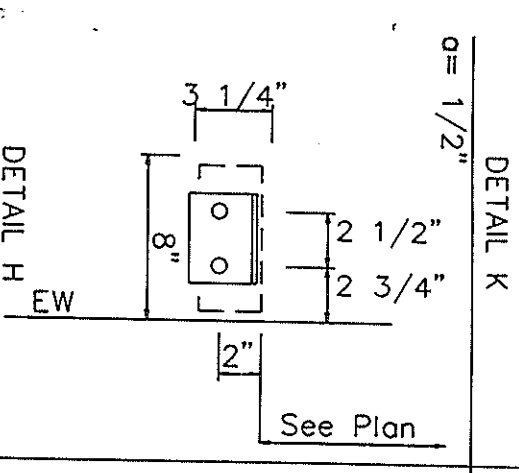
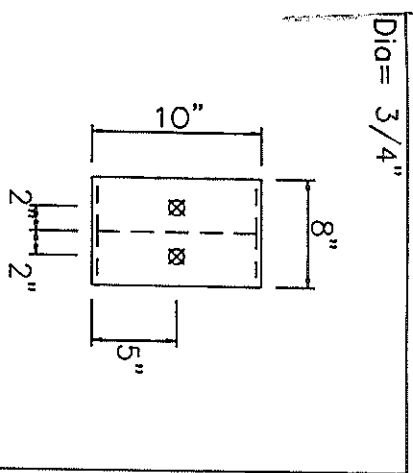
Overhead doors and service doors are shipped in cardboard boxes. It is required that they be opened to insure that the trucker's chains have not damaged the edges. If so, it must be noted on the bill of lading.

INTERNAL:

Before the driver leaves, it is also required that you receive a Shipper Report (packing list) that specifies all internal quantities of individual parts. However, the Roof and Wall Sheeting must be counted prior to releasing the driver. Valid concealed shortages must be reported to the factory within 3 calendar days **No exceptions!!!** The driver does not have to be present for the internal inventory.

GENERAL NOTES

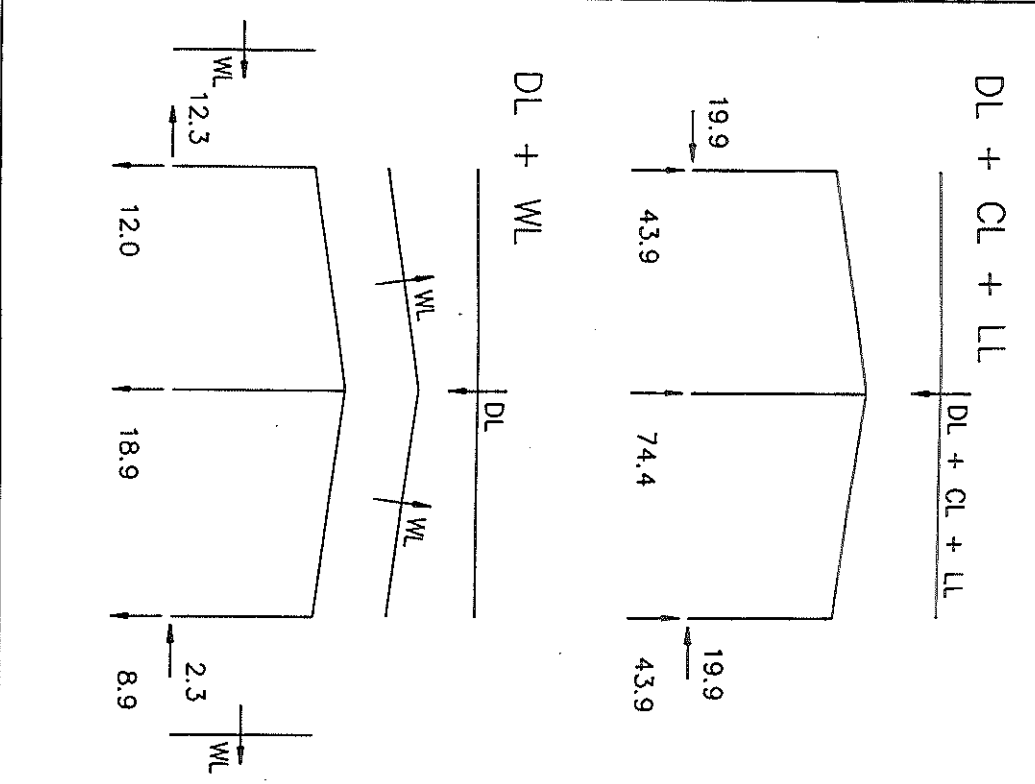
1. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF MASTERCRAFT STEEL BUILDINGS.
2. THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
3. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF $\pm 1/8$ " IN ELEVATION AND LOCATION.
4. COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED A BEARING PRESSURE OF 1125 POUNDS PER SQUARE INCH.
5. ANCHOR BOLTS TO BE SUPPLIED BY OTHERS. ANCHOR BOLT IMBEDMENT LENGTH IN CONCRETE TO BE DESIGNED BY OTHERS.
6. ANCHOR BOLT PROJECTION ABOVE CONCRETE FINISHED SURFACE TO BE 3" UNLESS NOTED.
7. MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.
8. IF THIS PROJECT HAS BYPASS GIRTS, IT WILL REQUIRE THE SIDEWALL COLUMN BASES TO BE SET BACK FROM SIDEWALL STEEL LINE BY THE DEPTH OF THE GIRT SYSTEM. (8") THIS WILL REQUIRE THE SIDEWALL FOOTINGS TO INCREASE IN DEPTH.



MCSB Corp.		CURTIS TAYLOR	
PROJECT	TUCHENHAGEN-ZAJAC	ANCHOR BOLT PLAN	
ID	99-0951	DESIGN:	CHECK:
PROJECT ADDRESS	PORTLAND, ME	DRAFT:	SHEET
		DATE:	E3 OF 14

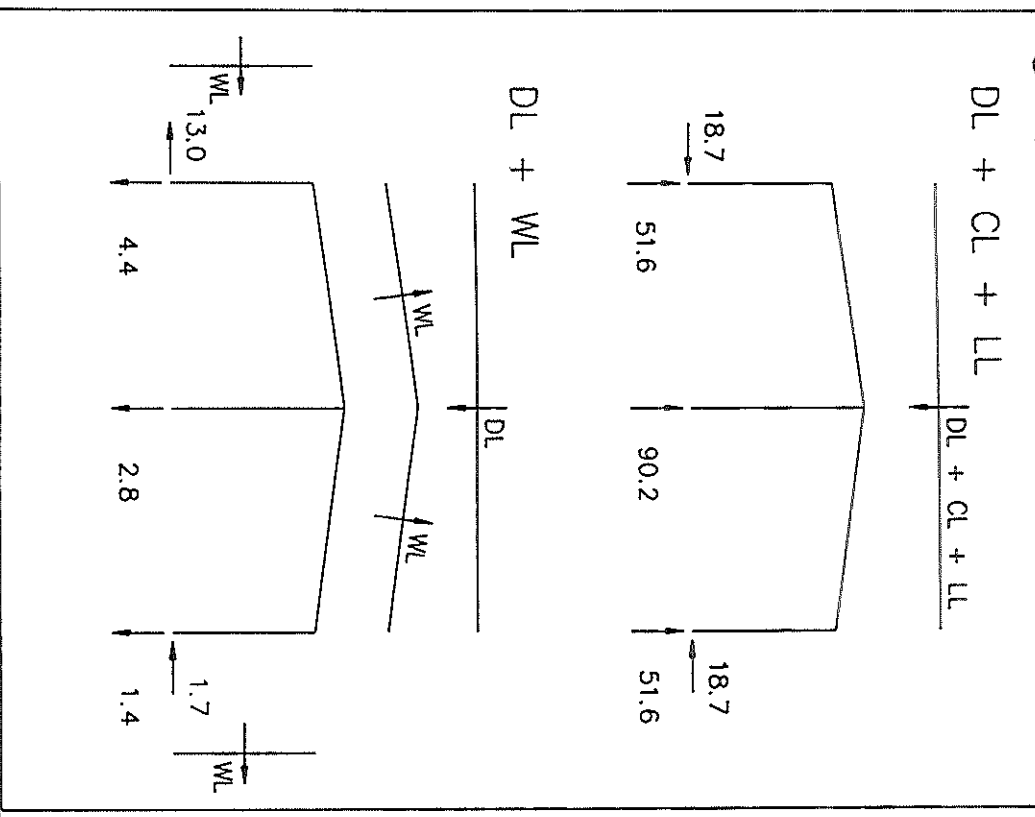
RIGID FRAME REACTIONS (k)

@ 5 6 7 8



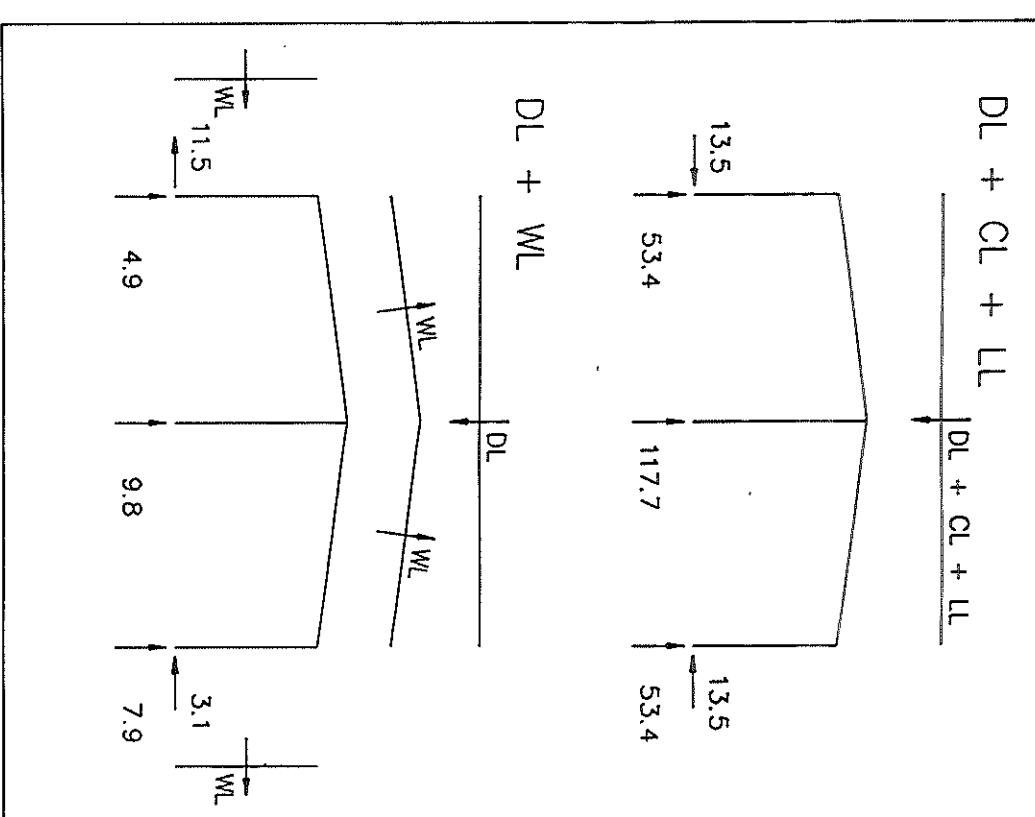
RIGID FRAME REACTIONS (k)

@ 4



RIGID FRAME REACTIONS (k)

@ 1



ANCHOR BOLT SUMMARY

Qty	Loc	Dia (in)	Proj (in)
8	DJ	1/2"	2.00
16	EW	3/4"	3.00
56	RF	3/4"	3.00

ENDWALL COLUMN REACTIONS(k)

MAXIMUM VERTICAL DL+CO+LL = 0.3
 MAXIMUM VERTICAL DL+WL = -0.3
 MAXIMUM HORIZONTAL DL+WL = 5.3

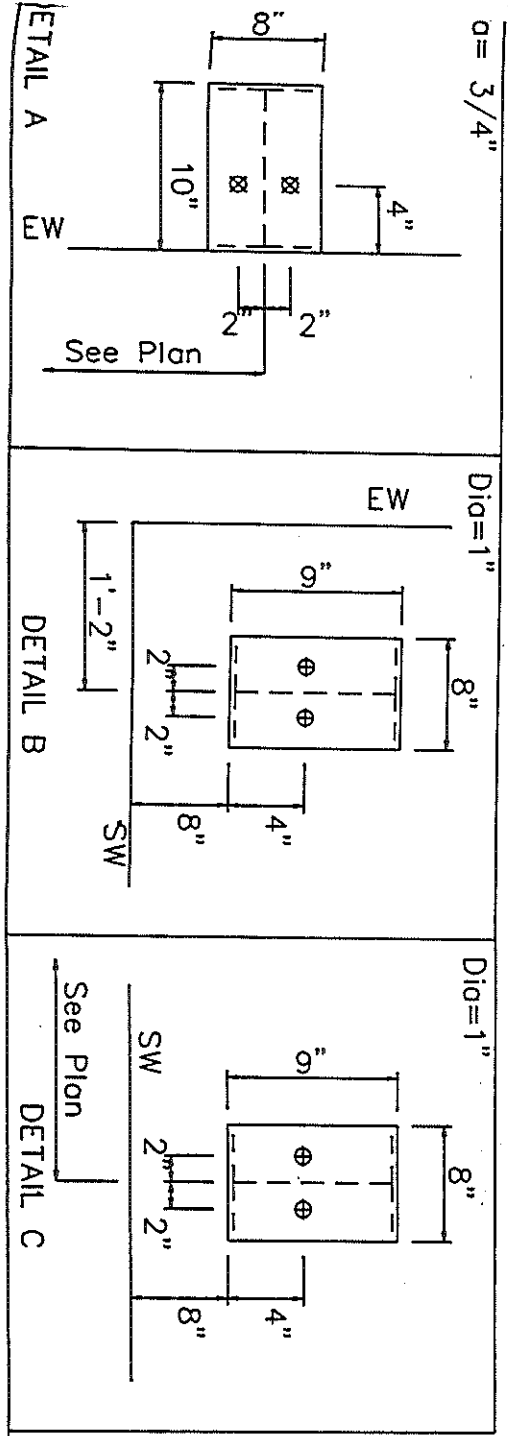
BRACING REACTIONS, PANEL SHEAR

Wall Id	Col Id	Horiz Reacin	Bracing (k) Vert Reacin	Panel Shear Load at Base Angle (lb/ft)
1	A	2.3	8.0	5.9
		4.5	8.0	5.9
		6.7	8.0	5.9
8	F	6.7	8.0	5.9
		4.5	8.0	5.9
		2.3	8.0	5.9

NOTES FOR REACTIONS

Building reactions are based on the following building data:

- Width (ft) = 100.0
- Length (ft) = 175.0
- Eave Height (ft) = 20.0/20.0
- Roof Slope (rise/12) = 1.0/1.0
- Dead Load (psf) = 2.2
- Collateral Load (psf) = 10.0
- Live Load (psf) = 40.0
- Snow Load (psf) = 50.0
- Wind Speed (mph) = 90.0
- Wind Code = BOCA
- Exposure = C
- Closed/Open = C
- Importance = 1.00
- Seismic Coeff = 0.20

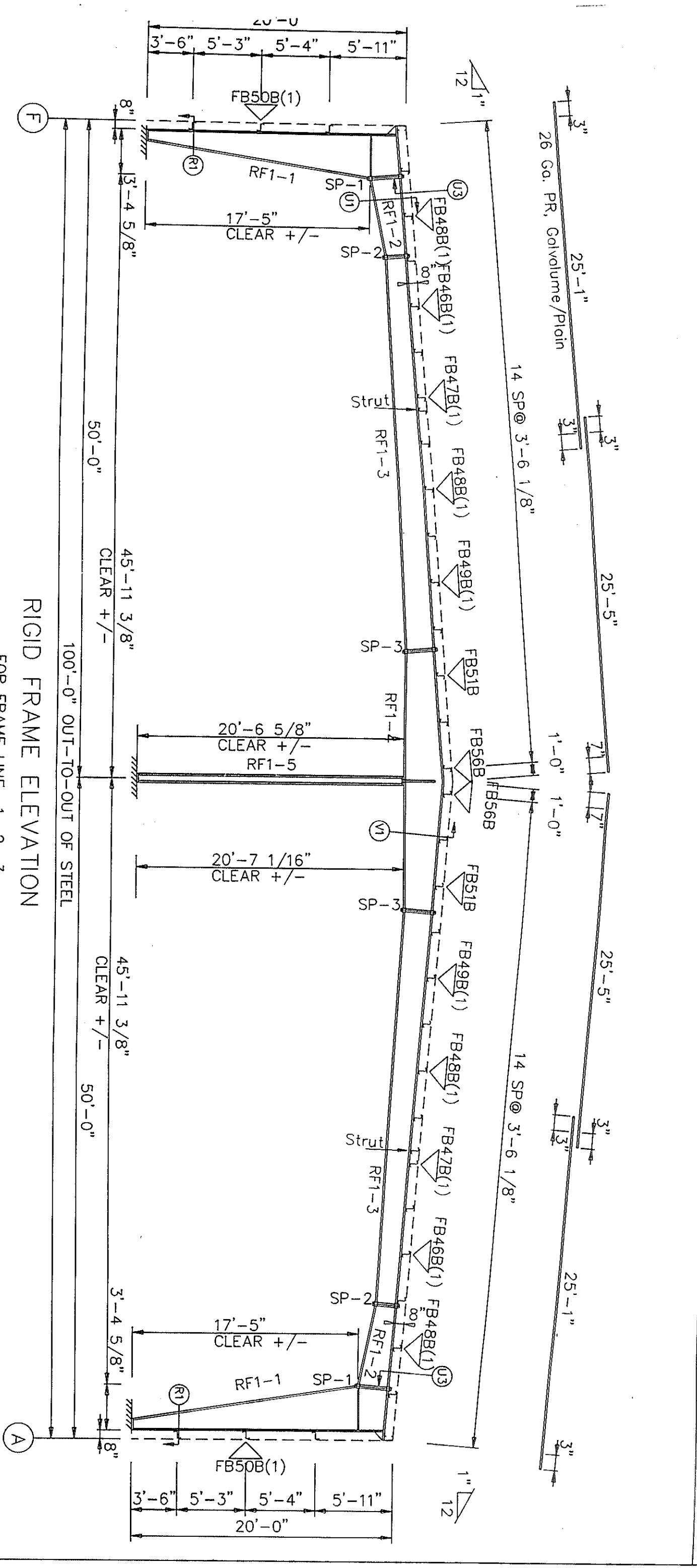


MCSB Corp.		CURTIS TAYLOR	
PROJECT	TUCHENHAGEN-- ZAJAC	ANCHOR BOLT PLAN	CHECK:
ID	99-0951	DRAFT:	SHEET E4 OF 14
PROJECT ADDRESS	PORTLAND, ME	DATE:	

SPLICE BOLTS				CAP PLATE BOLTS			
Splice Mark	Qty	Top Of Plate Typ Dia Len	Bottom Of Plate Typ Dia Len	Col Id	Qty	Typ Dia Len	Typ Dia Len
SP-1	4	A325 0.750 2.50	A325 0.750 2.50	RF1-5	4	A325 .625 2.50	
SP-2	4	A325 0.750 2.25	A325 0.750 2.25				
SP-3	4	A325 0.750 2.30	A325 0.750 2.30				

FLANGE BRACES: Both Sides(U,N)
 FBxB(1): xx=length(in), (1)=one side
 B - L2X2X1/8

PIECE	MEMBER SIZE TABLE (in)			OUTSIDE FLANGE		INSIDE FLANGE	
	WEB DEPTH START/END	WEB THICK	PLATE LENGTH	W x T x LEN	W x T x LEN	W x T x LEN	W x T x LEN
RF1-1	7.5/37.5	0.188	234.7	6 x 5/16" x 231.5	6 x 5/16" x 207.7		
RF1-2	26.0/17.1	0.250	73.0	6 x 1/4" x 46.0	6 x 3/8" x 73.5		
RF1-3	17.0/21.7	0.188	240.0	6 x 1/4" x 73.0	6 x 3/16" x 240.0		
RF1-4	21.7/24.0	0.250	118.8	6 x 1/4" x 118.8	6 x 5/16" x 118.8		
RF1-5	24.0/33.9	0.313	119.6	6 x 5/8" x 120.0	6 x 3/4" x 235.0		
	33.9/24.0	0.313	119.6	6 x 5/8" x 120.0			
	W10X45						



RIGID FRAME ELEVATION
 FOR FRAME LINE 1 2 3

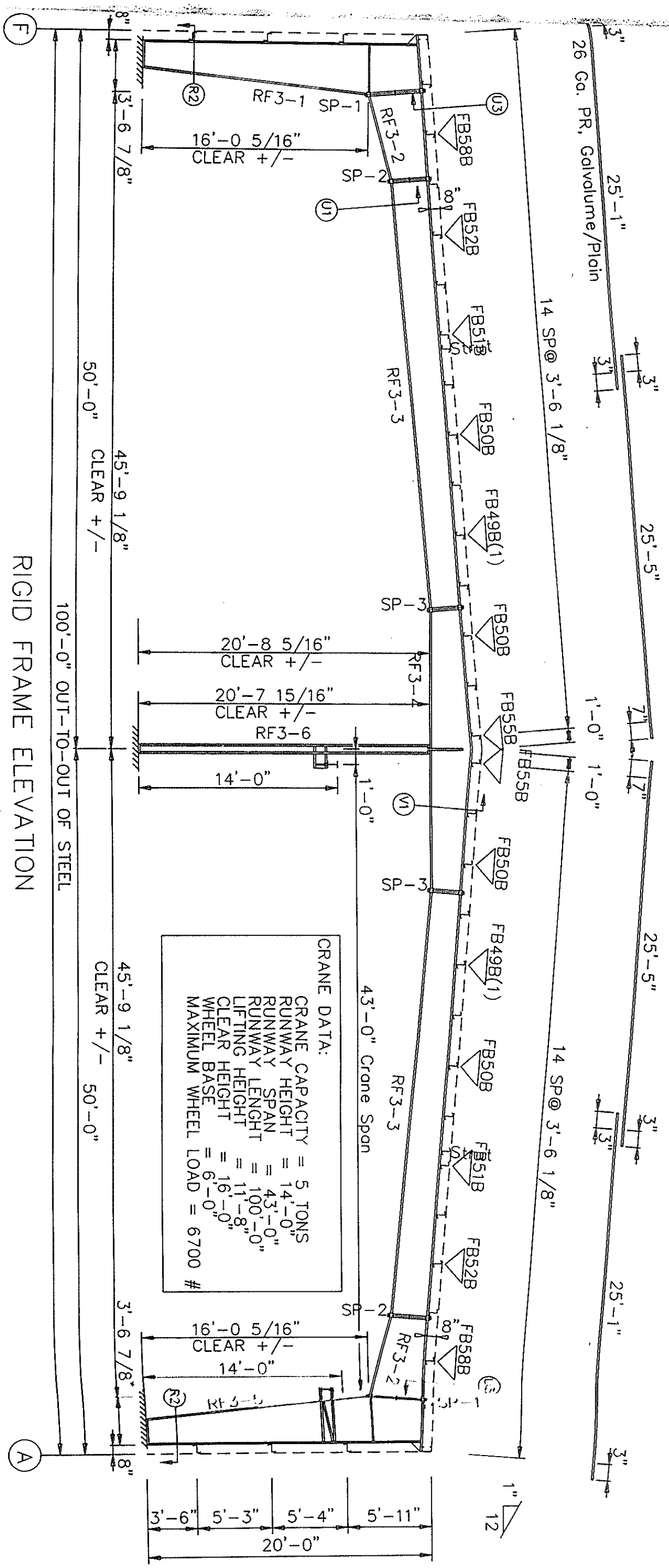
GENERAL NOTES:
 MINOR FIELD WORK OF STRUCTURAL SECONDARY
 AND PANEL/TRIM ITEMS MAY BE NECESSARY TO
 INSURE PROPER FIT. SUCH WORK IS CONSIDERED
 NORMAL PART OF METAL BUILDING ERECTION.
 FIELD WILL NOT HONOR BACKCHARGES FOR MINOR
 FIELD WORK.

MCSB Corp.	CURTIS TAYLOR
PROJECT TUCHENHAGEN-- ZAJAC	RIGID FRAME ELEVATION
ID 99-0951	DESIGN: DRAFT: CHECK:
PROJECT ADDRESS PORTLAND, ME	DATE: SHEET E6 OF 14

Of Plate Dia Len	Bottom Of Plate Qty Typ Dia Len	CAP PLATE BOLTS Col Id	Qty Typ Dia Len
0.750 2.25	4 A325 0.750 2.25	RF3-6	4 A325 .625 2.25
0.750 2.25	4 A325 0.750 2.25		
0.750 2.00	4 A325 0.750 2.00		

Both Sides(U.N.)
length(in), (1)=one side

PIECE	WEB DEPTH START/END	THICK	WEB PLATE LENGTH	MEMBER SIZE TABLE (in)	
				OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
RF3-1	20.5/38.1	0.250	234.7	12 x 3/8" x 231.5	12 x 1/2" x 189.5
RF3-2	43.0/29.1	0.313	72.6	12 x 3/8" x 46.5	6 x 5/16" x 73.9
RF3-3	29.0/27.0	0.250	120.0	6 x 3/8" x 72.5	6 x 1/4" x 120.0
RF3-4	27.0/23.0	0.188	239.3	6 x 1/4" x 359.5	6 x 3/16" x 239.3
RF3-5	23.0/32.9	0.250	119.6	6 x 1/2" x 120.0	6 x 5/8" x 235.2
RF3-6	32.9/23.0	0.250	119.6	6 x 1/2" x 120.0	6 x 5/8" x 235.2
RF3-6	38.1/20.5	0.250	234.7	12 x 3/8" x 231.5	12 x 1/2" x 189.5



CRANE DATA:
 CRANE CAPACITY = 5 TONS
 RUNWAY HEIGHT = 14'-0"
 RUNWAY SPAN = 43'-0"
 RUNWAY LENGTH = 100'-0"
 LIFTING HEIGHT = 11'-8"
 CLEAR HEIGHT = 16'-0"
 WHEEL BASE = 6'-0"
 MAXIMUM WHEEL LOAD = 6700 #

RIGID FRAME ELEVATION
 FOR FRAME LINE 5 6 7 8

NOTES:
 1. ALL STRUCTURAL, SECONDARY
 ITEMS MAY BE NECESSARY TO
 BE METAL BUILDING ERECTION.
 OR BACKCHARGES FOR MINOR

MCSB Corp.	CURTIS TAYLOR
PROJECT TUCHENHAGEN-ZAJAC	RIGID FRAME ELEVATION
ID 99-0951	DESIGN: DRAFT: CHECK:
PROJECT	DATE: SHEET E8 OF 14

BOLT TABLE: FRAME LINE 1

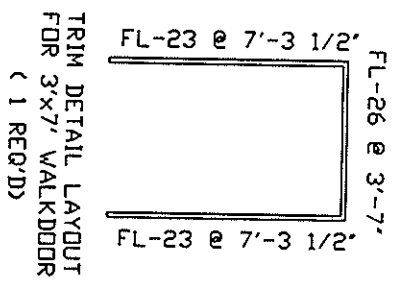
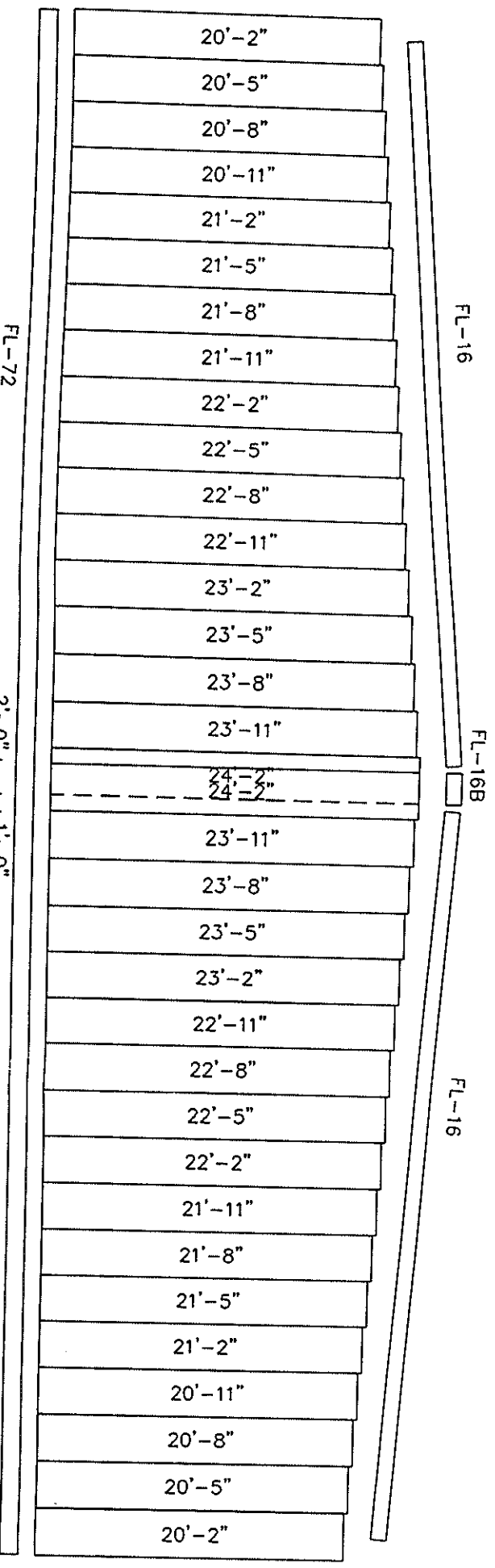
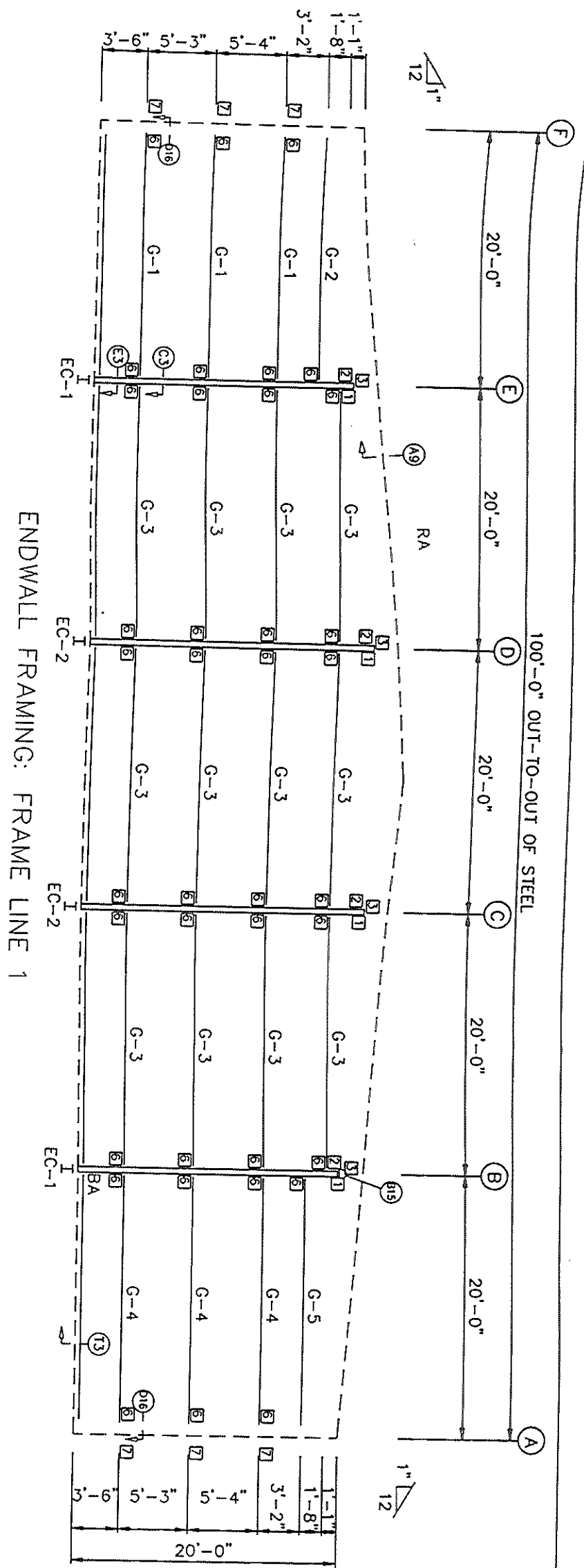
LOCATION	QUAN	TYPE	DIA	LEN
Columns	10	A325	1 1/2"	1 1/2"

MEMBER TABLE

MARK	PART	LENGTH
EC-1	W10X12	20'-9 7/16"
EC-2	W10X12	22'-5 7/16"
G-1	8X25Z12	18'-11 1/2"
G-2	8X25Z14	18'-11 1/2"
G-3	8X25Z12	19'-3 1/2"
G-4	8X25Z12	18'-11 1/2"
G-5	8X25Z14	18'-11 1/2"

CONNECTION PLATES

ID	MARK/PART
1	g2
2	g1
3	n1
6	GC-8
7	CL-S4

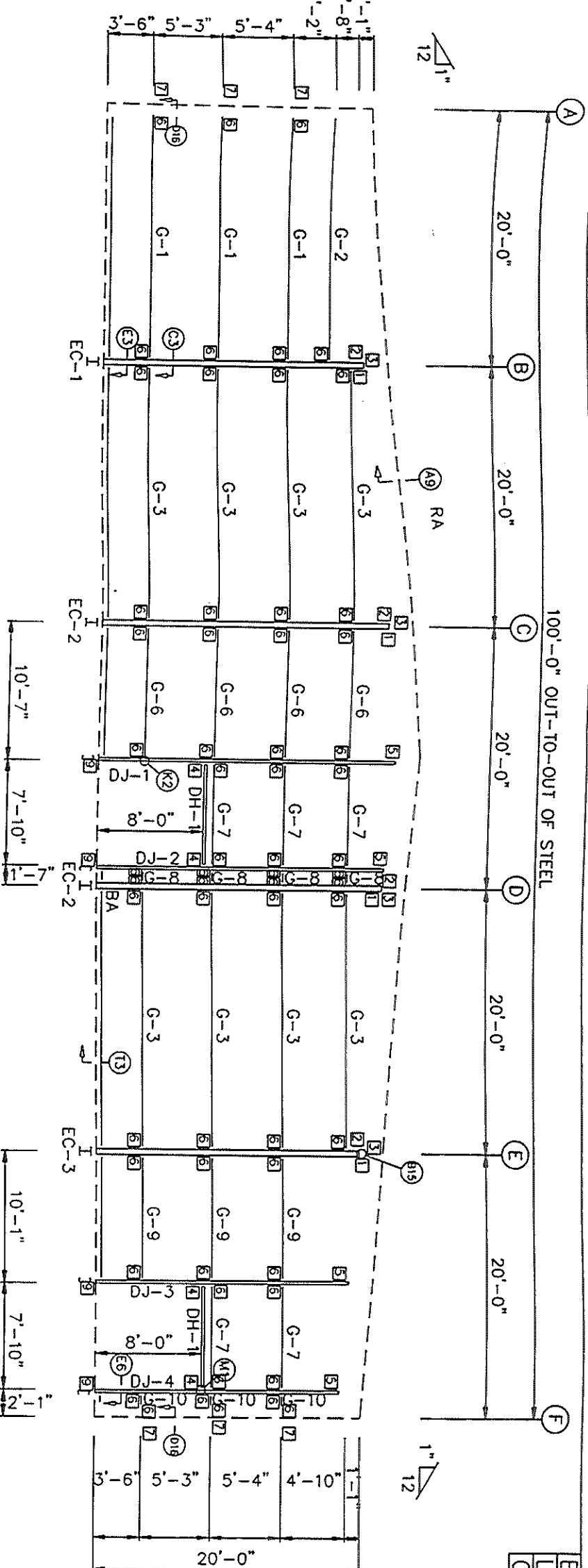


GENERAL NOTES:

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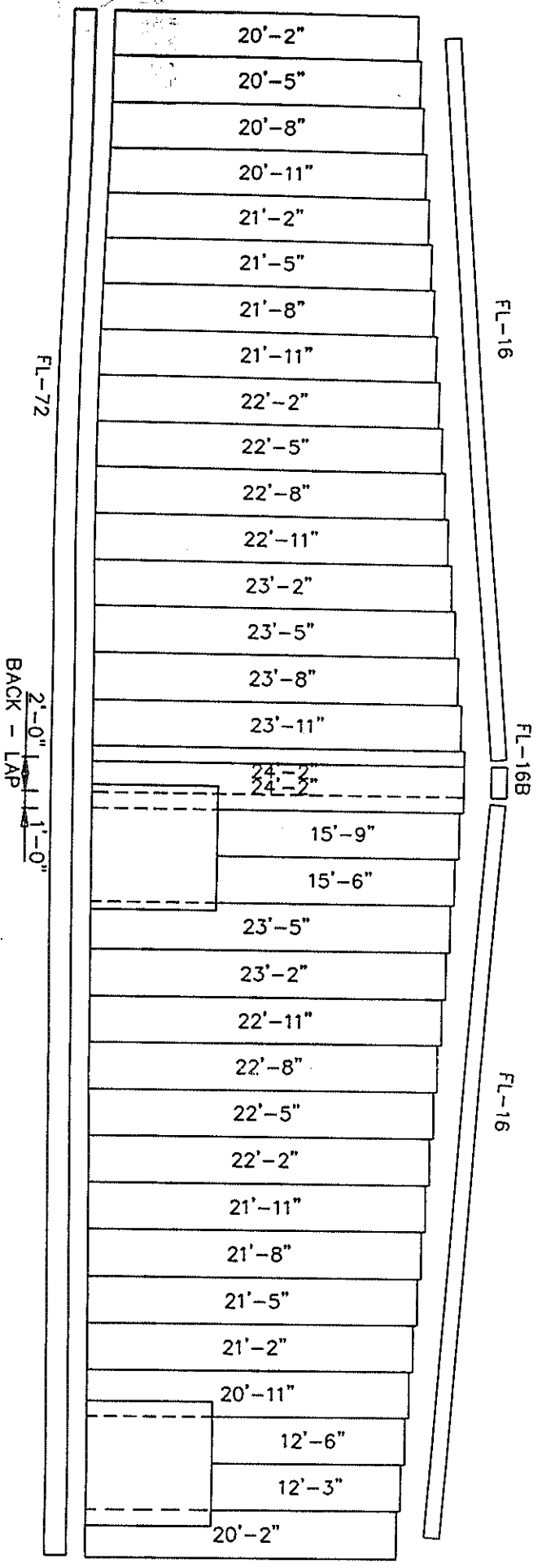
MCSB Corp.	CURTIS TAYLOR
PROJECT: TUCHENHAGEN - ZAJAC	ENDWALL FRAMING
ID: 99-0951	DESIGN: DRAFT: CHECK:
PROJECT ADDRESS: PORTLAND, ME	DATE: SHEET E11 OF 14

BOLT TABLE: FRAME LINE 8				
LOCATION	QUAN	TYPE	DIA	LEN
Columns	10	A325	1/2"	1 1/2"



MEMBER TABLE			
MARK	PART	LENGTH	
EC-1	W10X12	20'-9 7/16"	
EC-2	W10X12	22'-5 7/16"	
EC-3	W10X12	20'-9 7/16"	
DJ-1	C8X11.5	22'-11 5/16"	
DJ-2	8X25C14	22'-3 5/16"	
DJ-3	8X25C12	19'-7 13/16"	
DJ-4	8X25C16	18'-11 13/16"	
DH-1	8X25C16	8'-0"	
G-1	8X25Z12	18'-11 1/2"	
G-2	8X25Z14	18'-11 1/2"	
G-3	8X25Z12	19'-3 1/2"	
G-6	8X25Z16	9'-9 1/2"	
G-7	8X25Z16	7'-11 1/2"	
G-8	8X25Z16	9 1/2"	
G-9	8X25Z16	9'-3 1/2"	
G-10	8X25Z16	11 1/2"	

ENDWALL FRAMING: FRAME LINE 8



CONNECTION PLATES		
ID	MARK	PART
1	g2	
2	g1	
3	n1	
4	HC-1	
5	GC-8	
6	GC-8	
7	CL-S4	
9	BC-2	

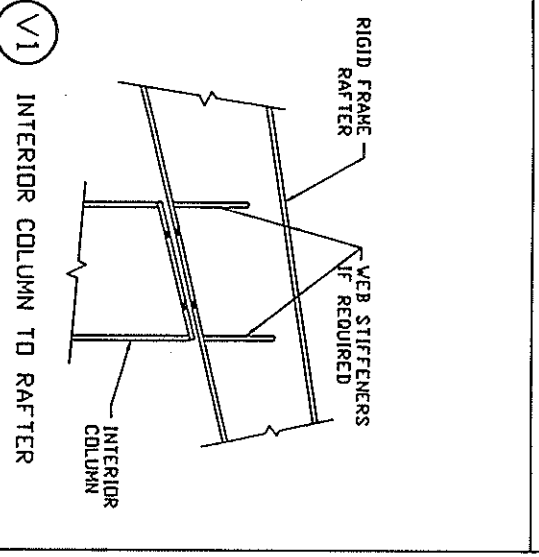
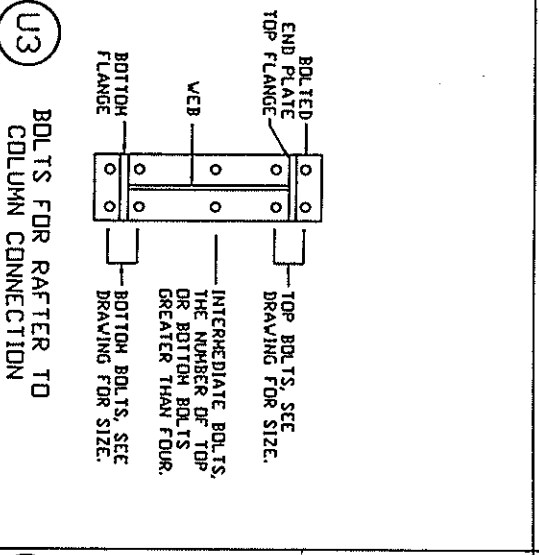
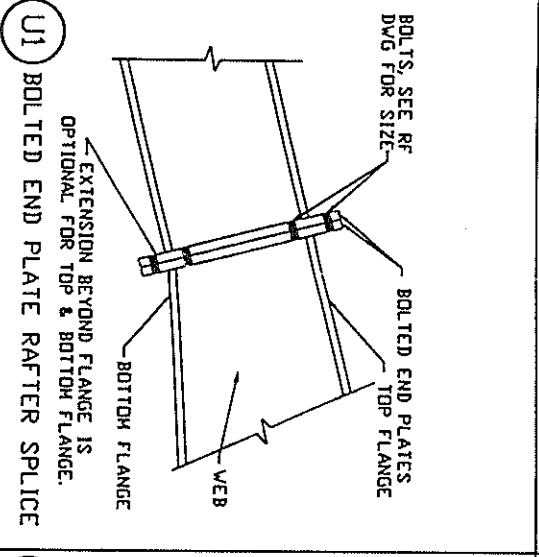
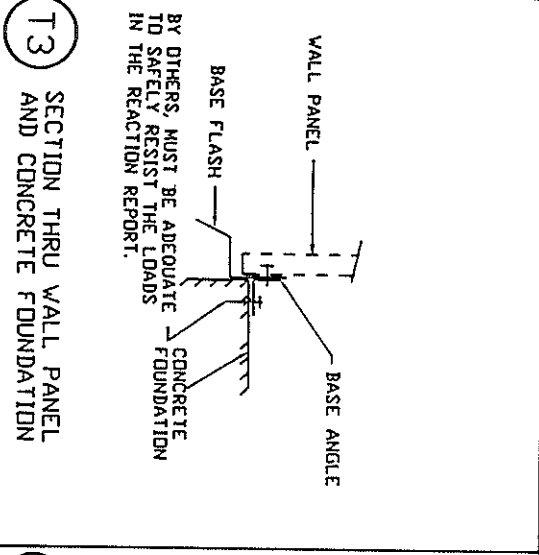
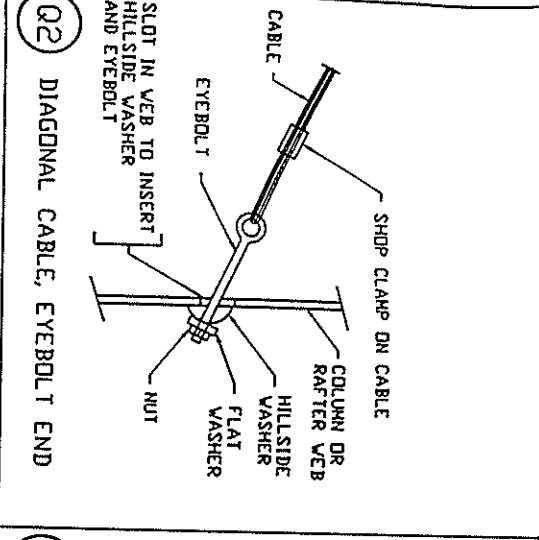
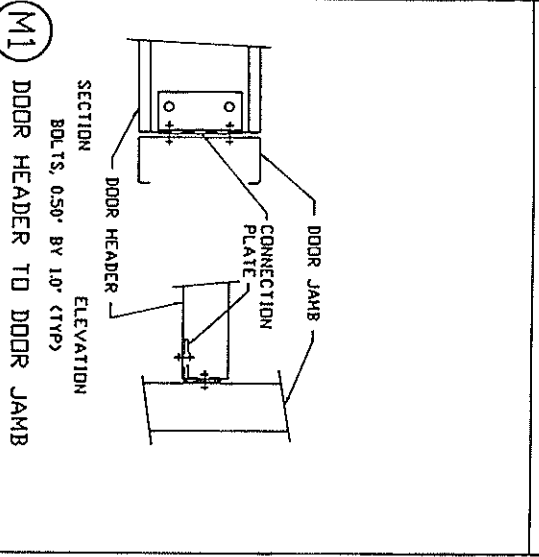
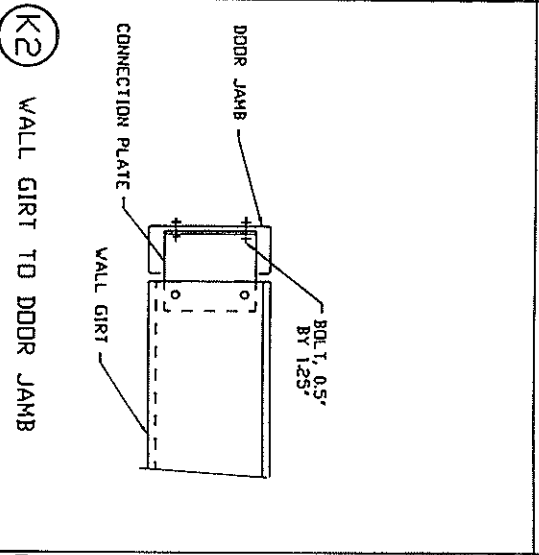
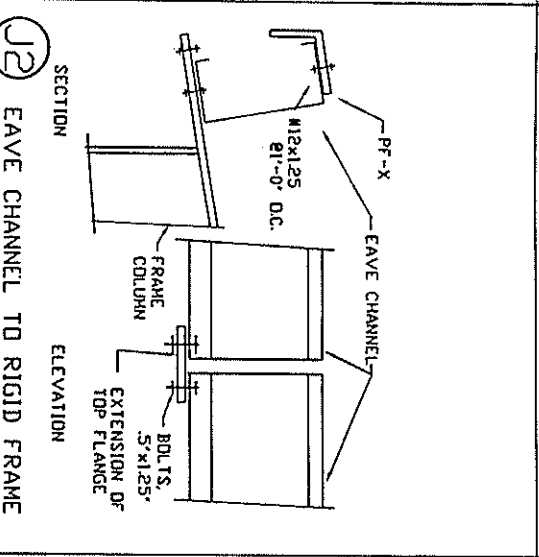
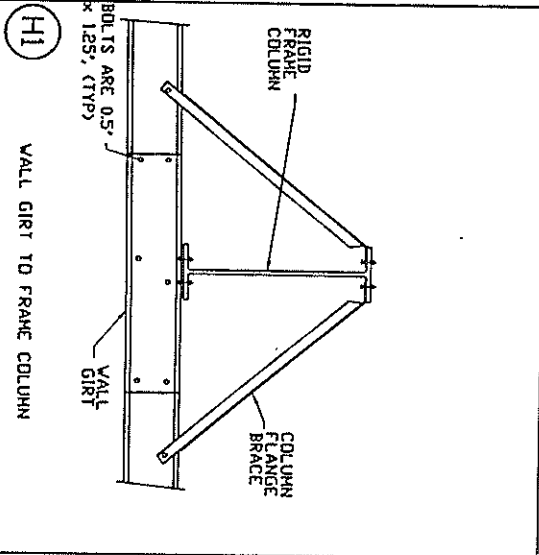
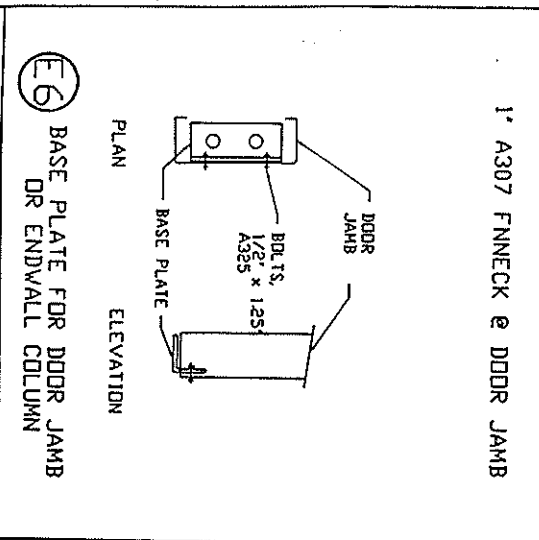
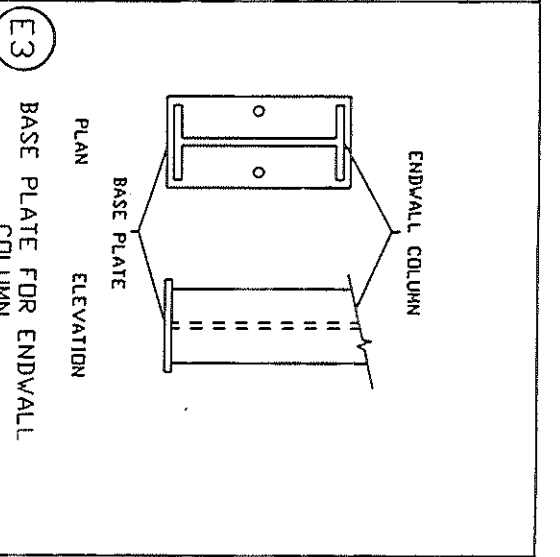
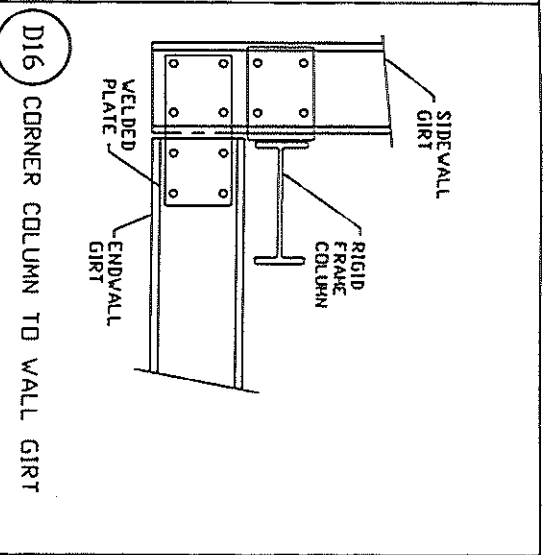
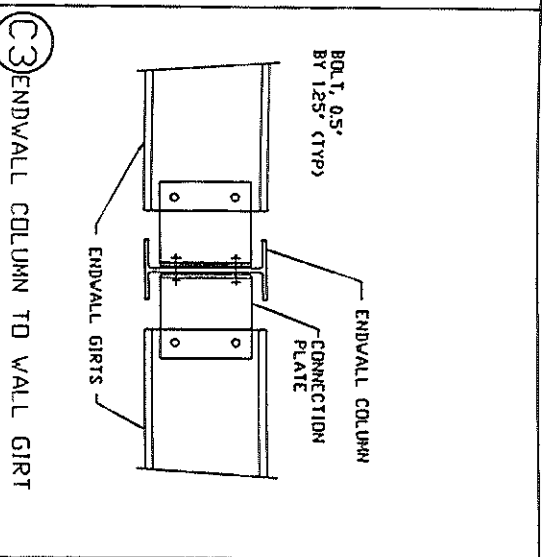
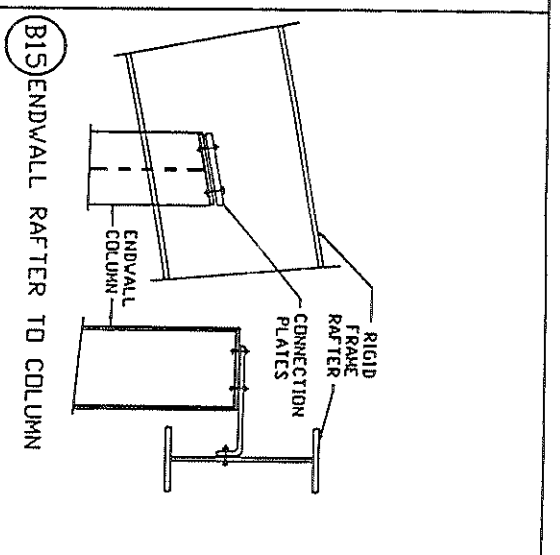
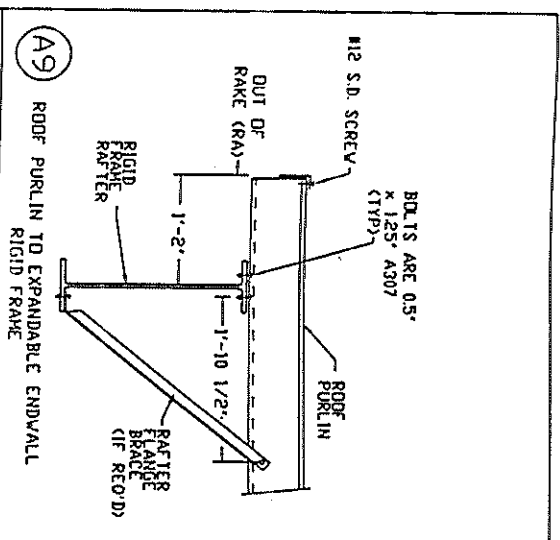
FL-26 @ 8'-1"
 FL-37 @ 7'-10"
 FL-23 @ 8'-1 1/2"
 FL-37 @ 8'-0"
 FL-37 @ 8'-0"
 FL-23 @ 8'-1 1/2"

TRIM DETAIL LAYOUT
 FOR 8'x8' F.D.
 (2 REQ'D)

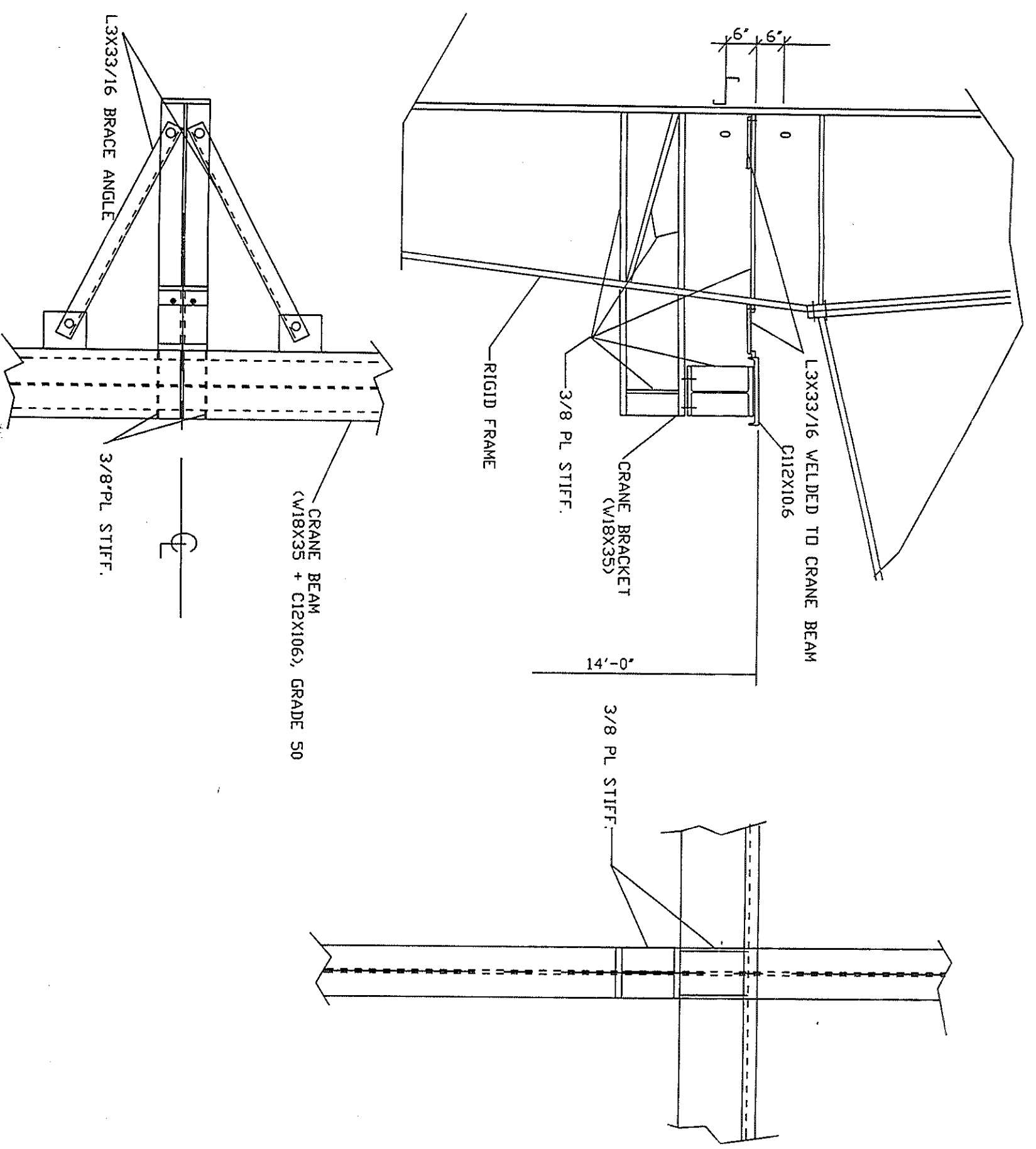
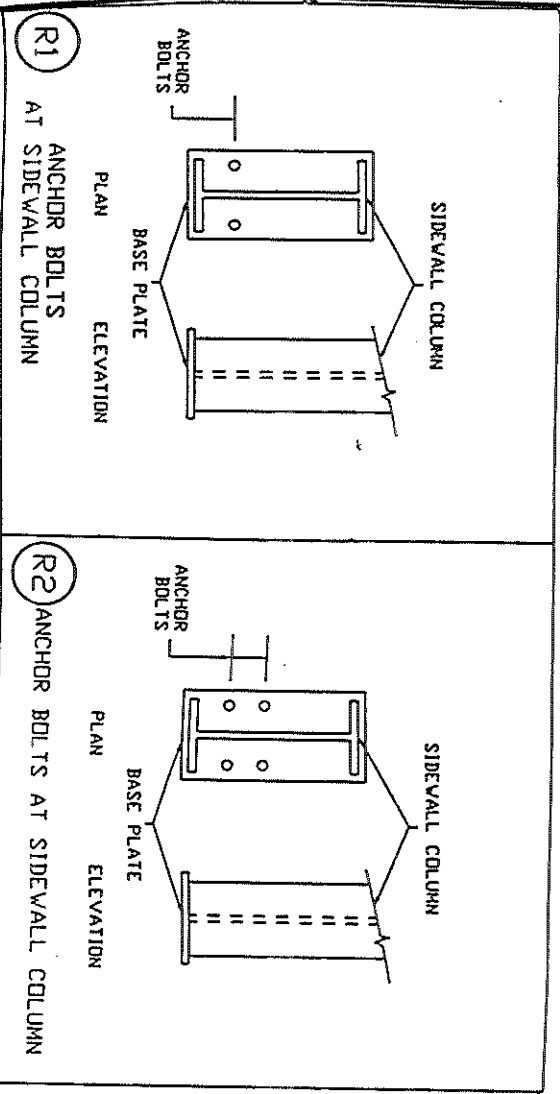
GENERAL NOTES:
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ENDWALL SHEETING & TRIM: FRAME LINE 8
 PANELS: 26 Co. R - Howcotton Blue

MCSB Corp.		CURTIS TAYLOR	
PROJECT	TUCHENHAGEN - ZAJAC	DESIGN:	ENDWALL FRAMING
ID	99-0951	DRAFT:	CHECK:
PROJECT ADDRESS	PORTLAND, ME	DATE:	SHEET E12 OF 14



MCSB Corp.		CURTIS TAYLOR	
PROJECT	TUCHENHAGEN- ZAJAC	DESIGN:	STRUCTURAL DETAILS
ID	99-0951	DRAFT:	CHECK:
PROJECT ADDRESS	PORTLAND, ME	DATE:	SHEET E13 OF 14



MCSB Corp.		CURTIS TAYLOR	
PROJECT	TUCHENHAGEN - ZAJAC	STRUCTURAL DETAILS	
ID	99-0951	DESIGN:	DRAFT:
PROJECT ADDRESS	PORTLAND, ME	DATE:	CHECK:
			SHEET E14 OF 14