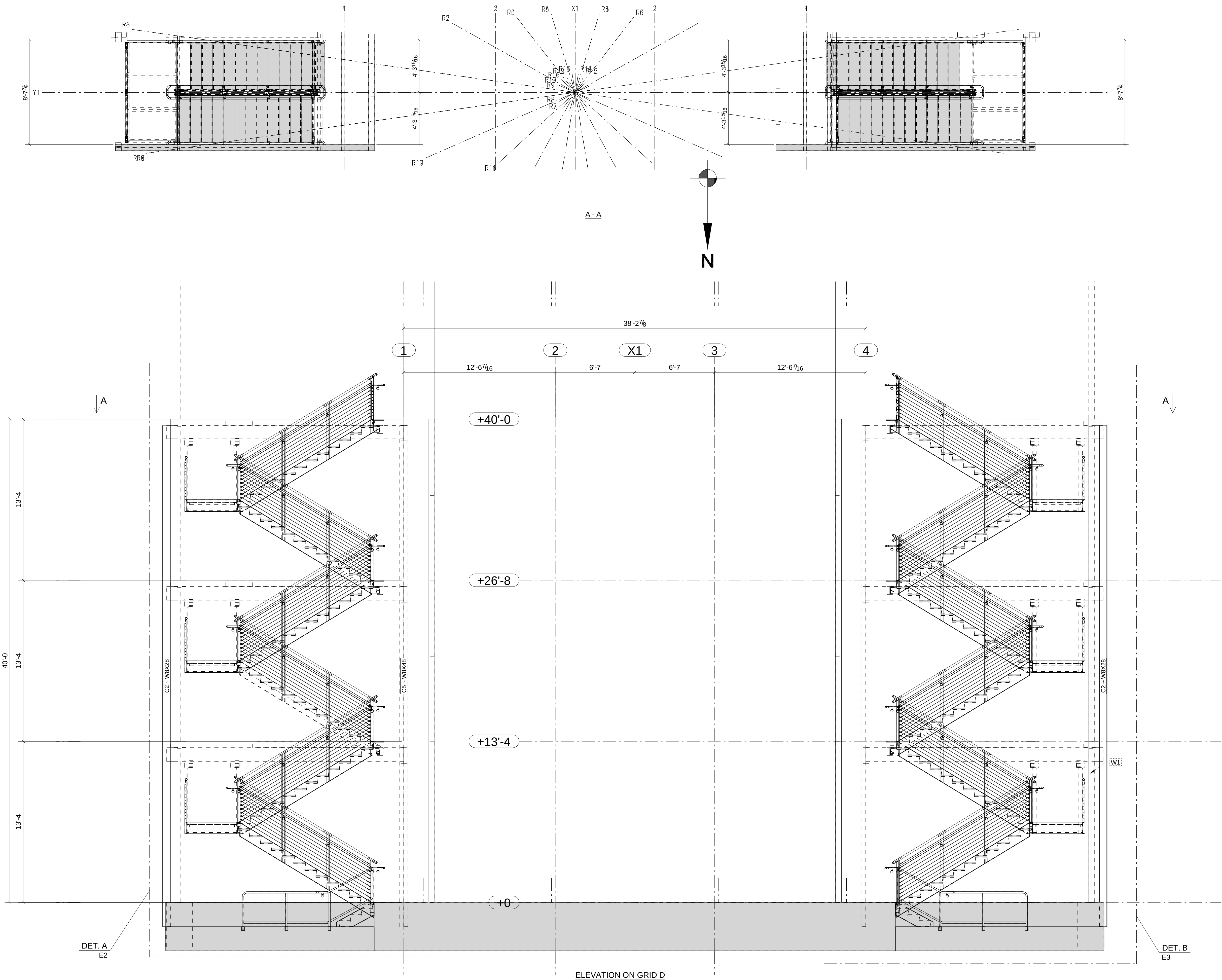
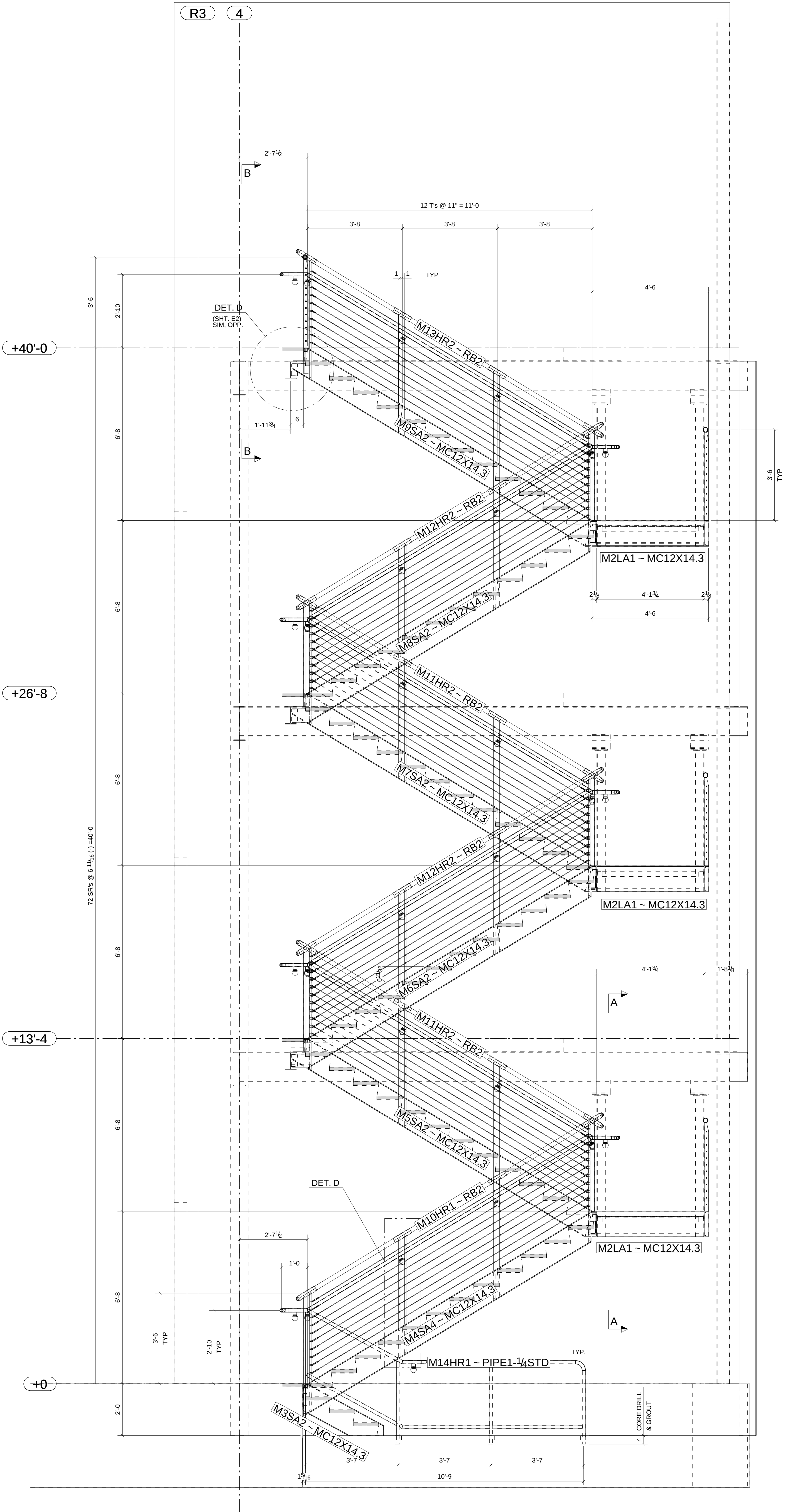
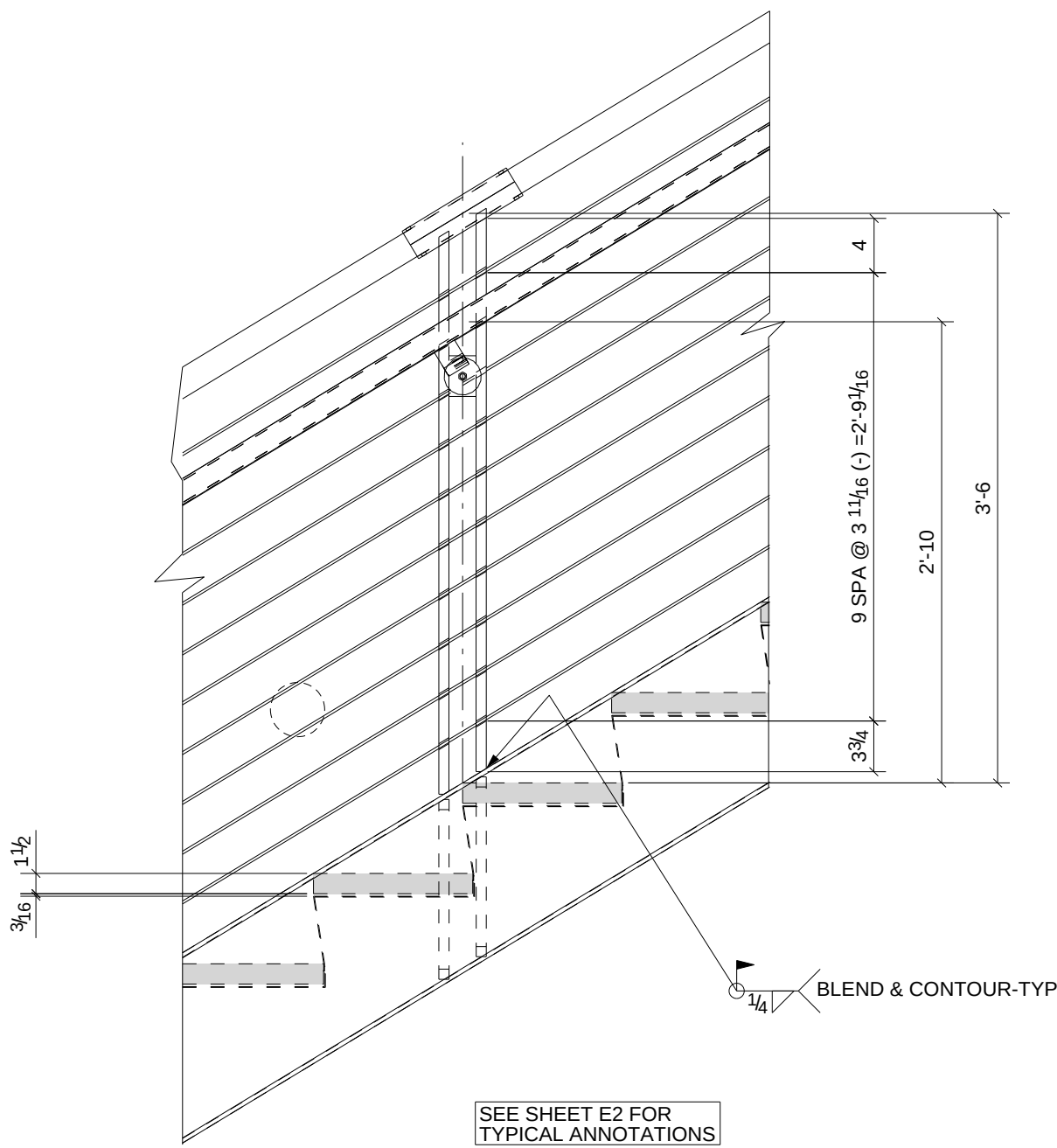
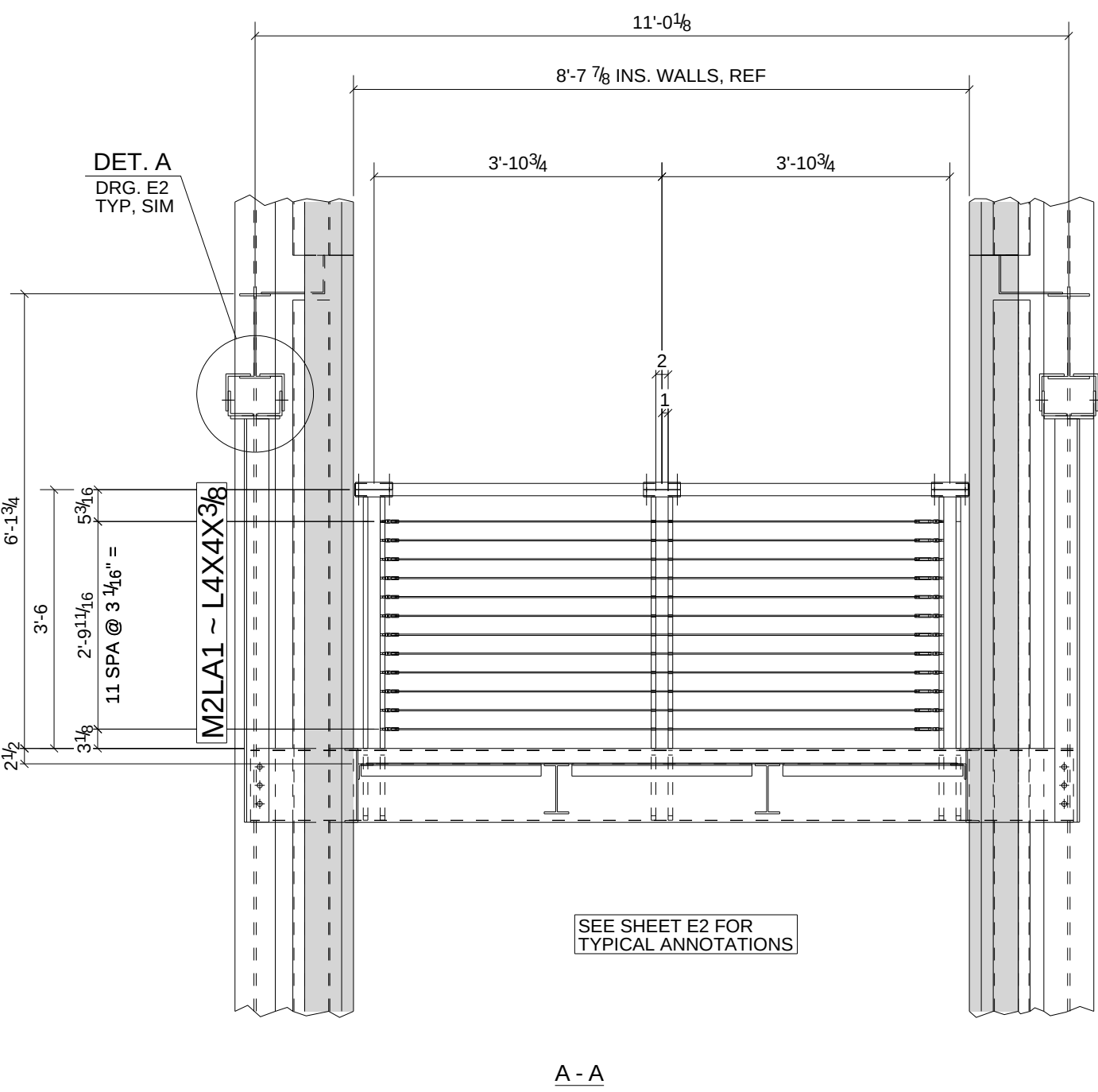
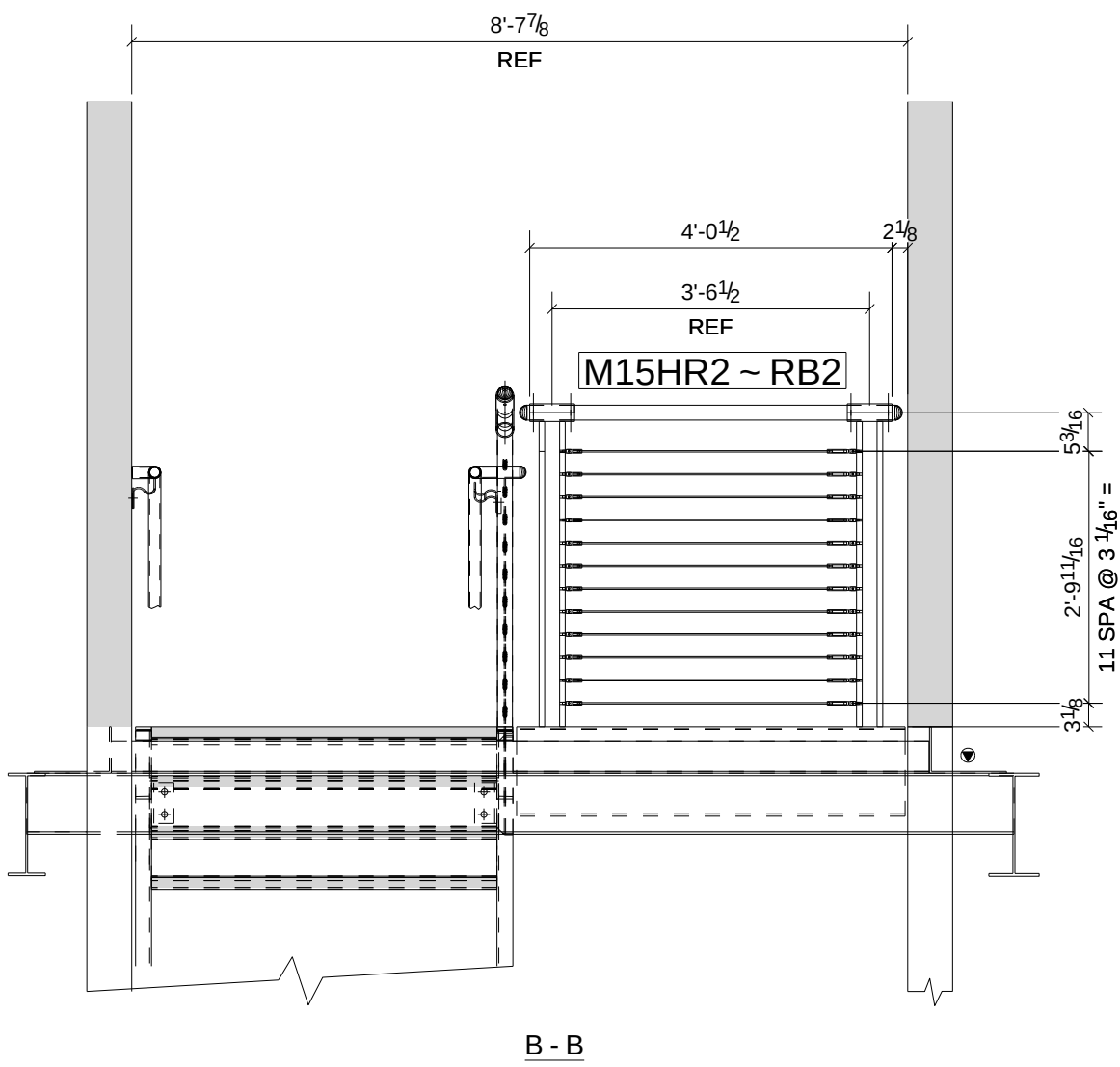


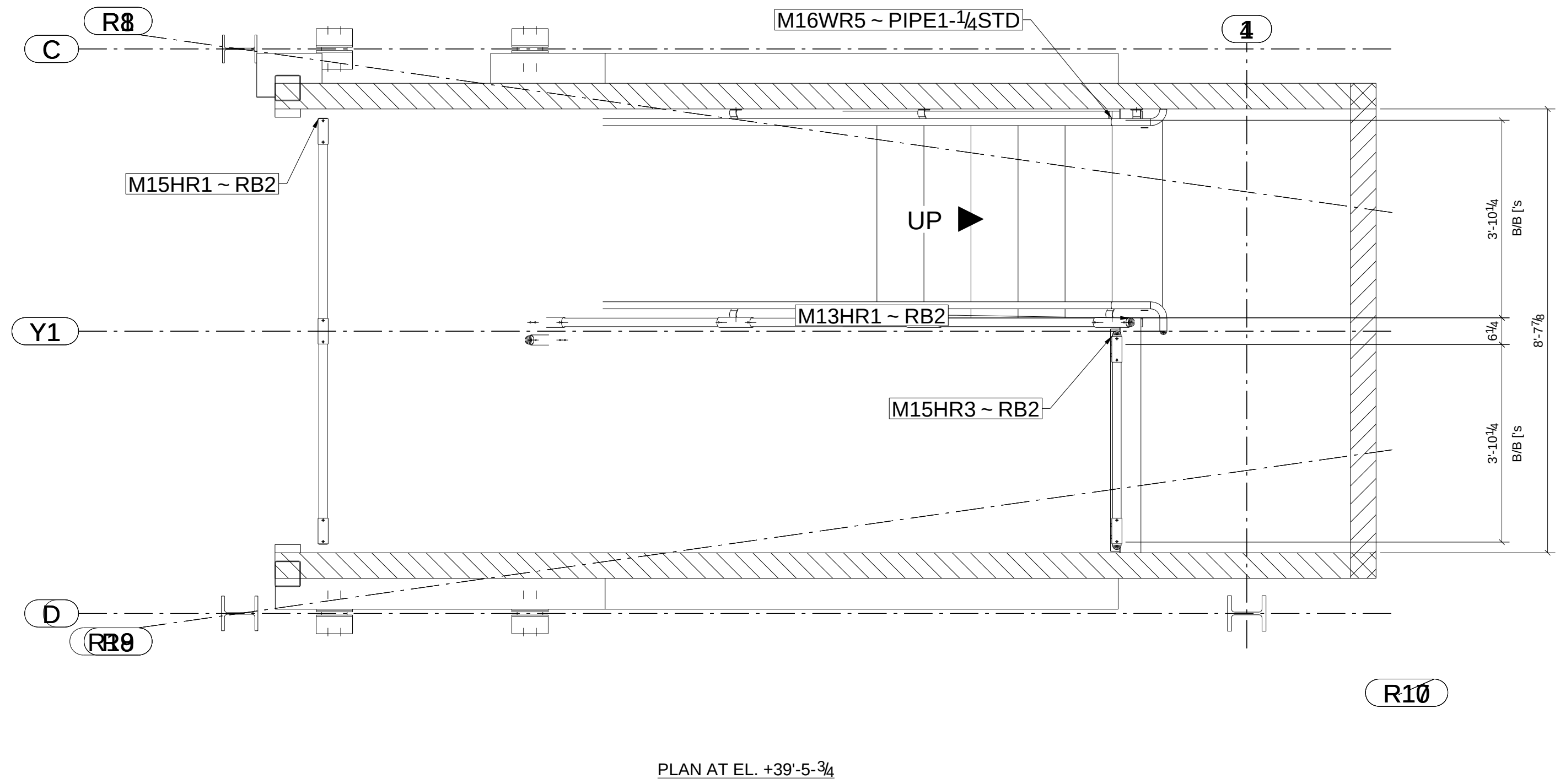
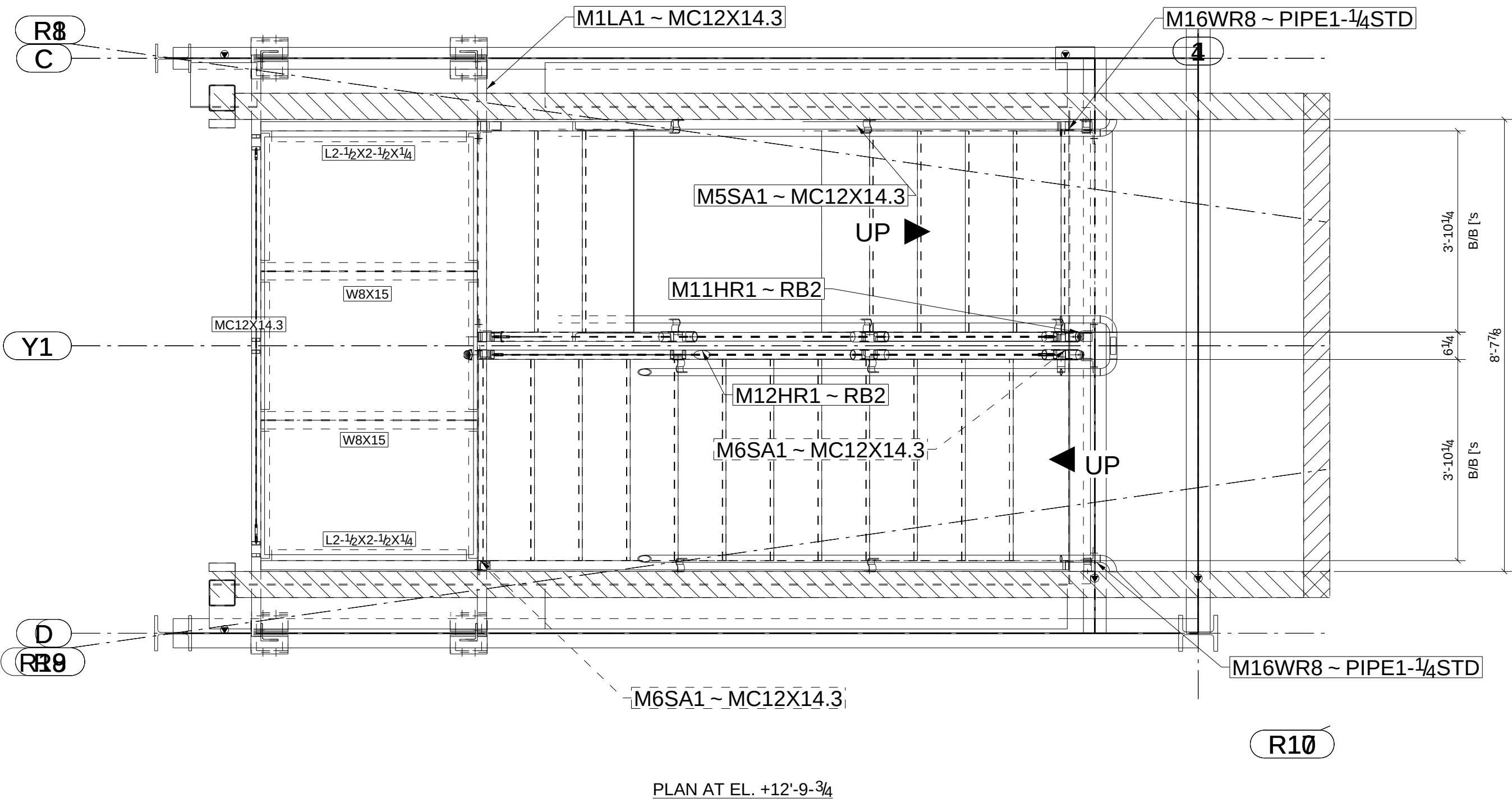
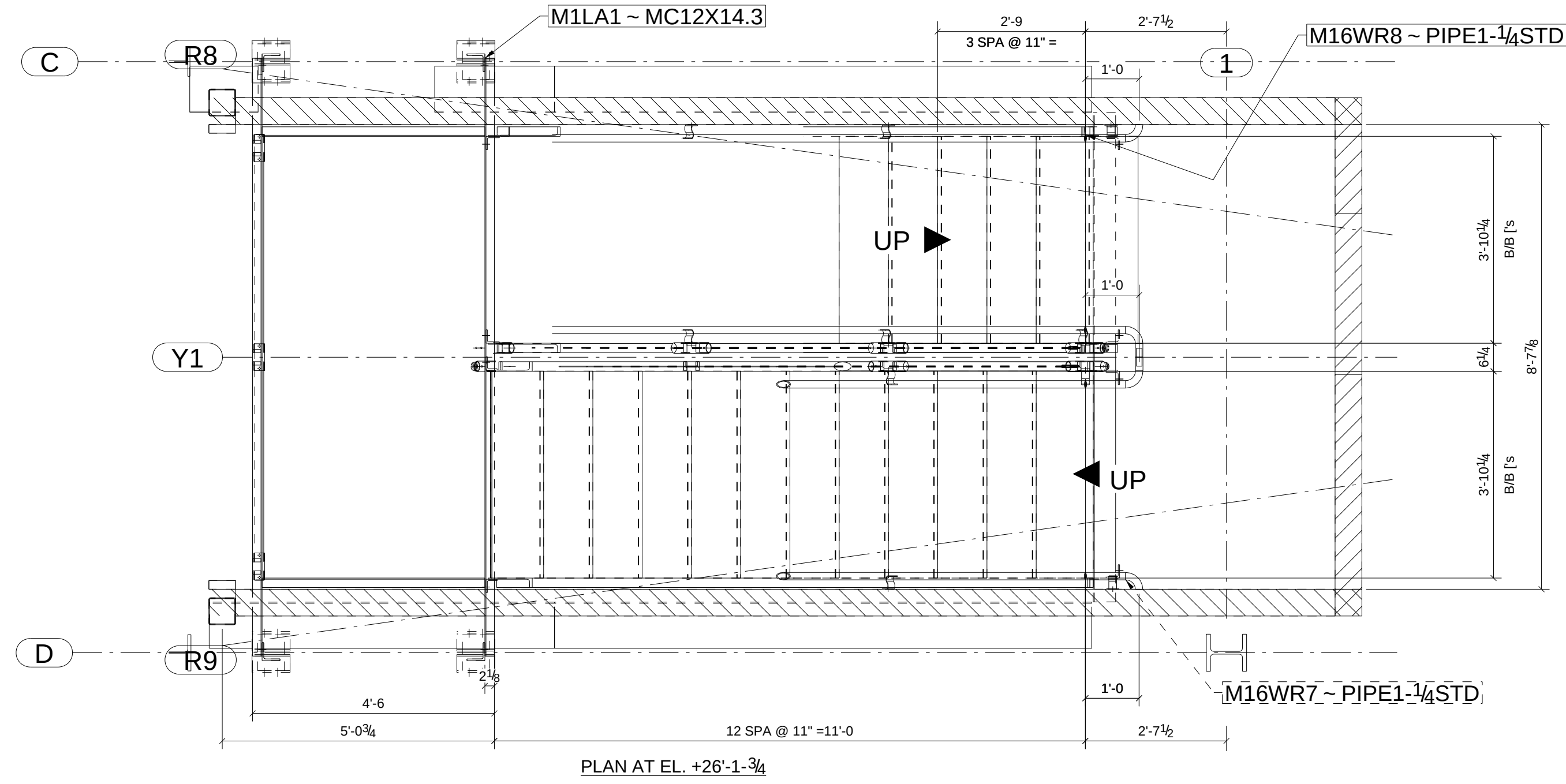
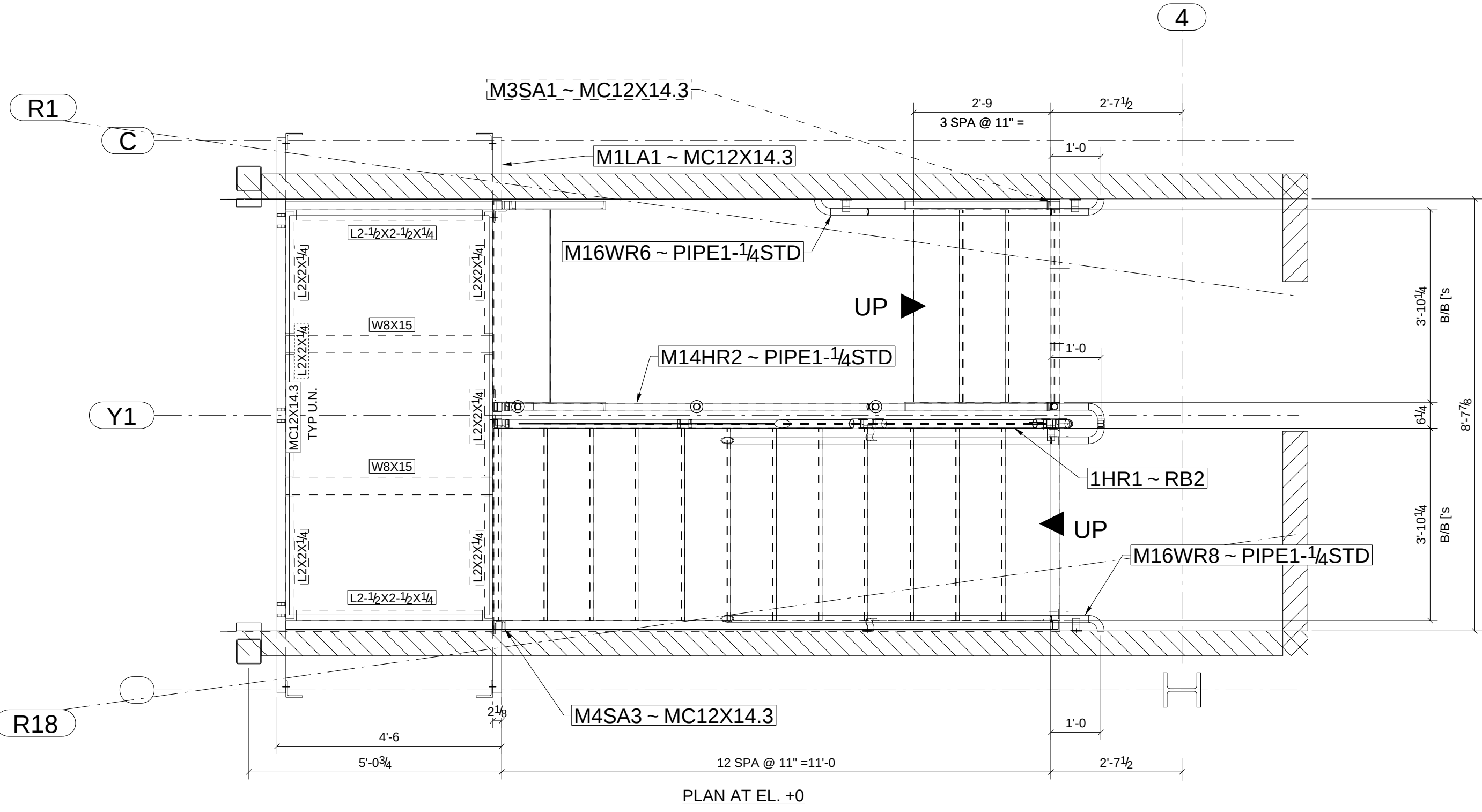


A For Approval		9/14/09	TMc	
REV.	DESCRIPTION	DATE	DWN	CHK
GENERAL NOTES		JOB USE		
MATERIAL: A992	ELECTRODES: E70xx LH	REF. DRG:		
HOLES: 13/16 DIA. UN	CONN'S: 3/4"Ø A325-N-ST	A-310 REV2	SHOP	
SURFACE PREP. AND PAINT:		APPROVAL		
PER SPECS				
1 S/C STD. PRIMER				
DESCRIPTION: STAIR PLAN & ELEVATION @ GRID "D"		DRAWN BY TMc		
PROJ. NAME UNC BIOTECH CENTER		DATE 08/17/2009		
LOCATION RESEARCH TRIANGLE PARK		CHKD. BY		
CONTRACTOR STEEL FAB		ARCH./ENG. PERKINS + WILL		
	C.M. STEEL, INC.		DATE 25223	
	8629 OLD DOWD ROAD		JOB No. 25224	
	CHARLOTTE/NC 28219		DRG. No. E1	
	704-394-6626		REV. A	

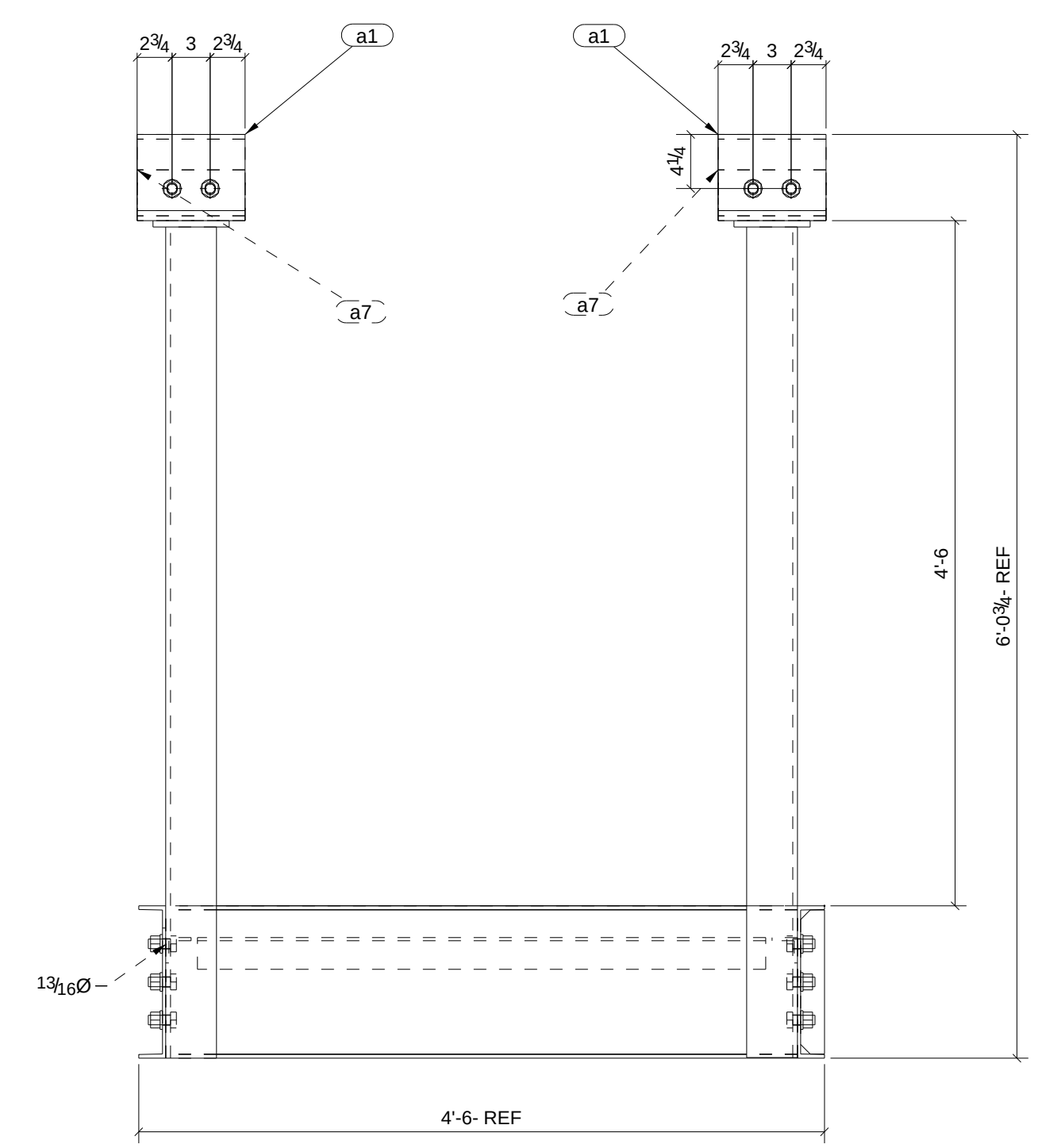


DETAIL B
E1

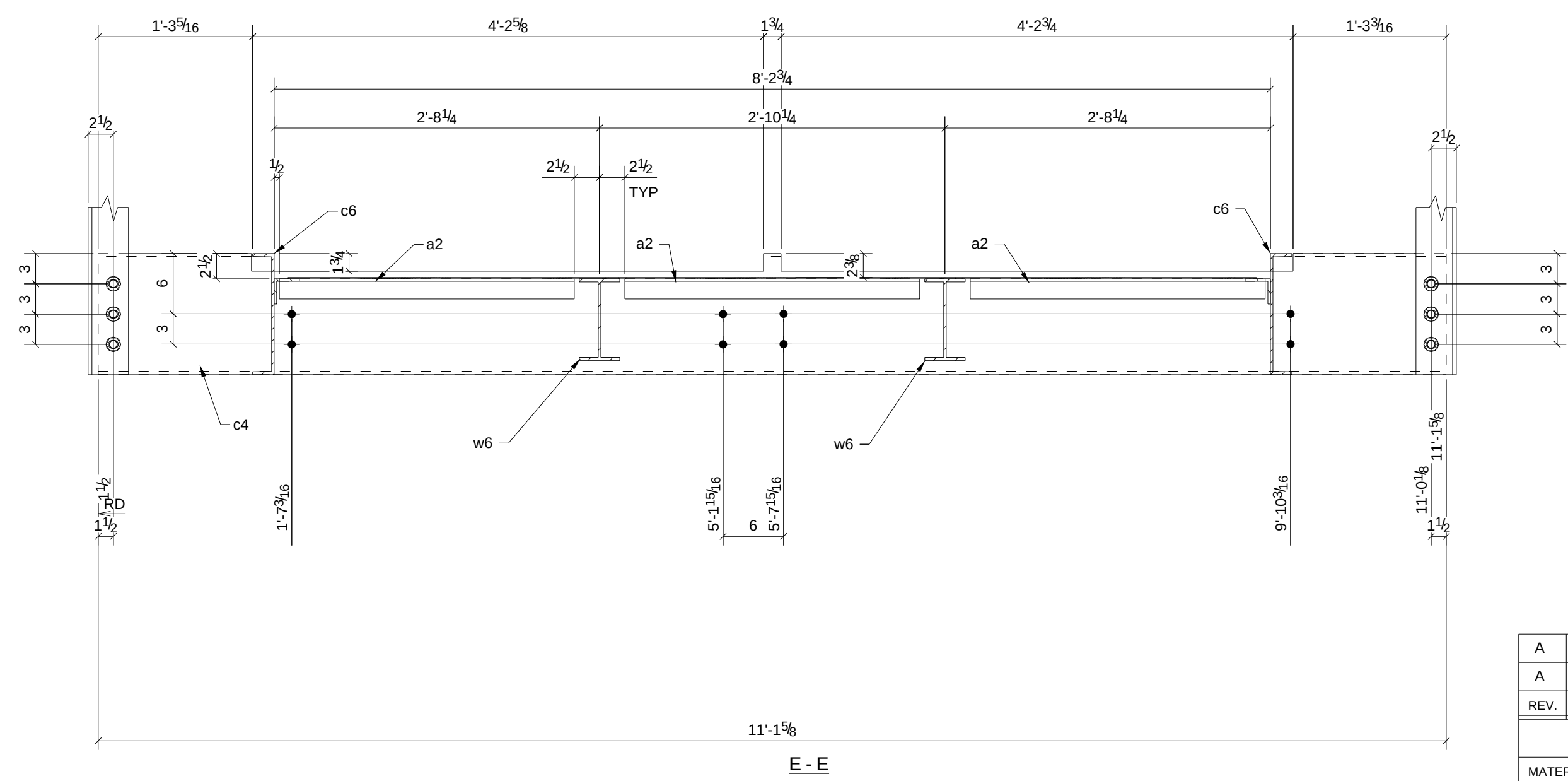
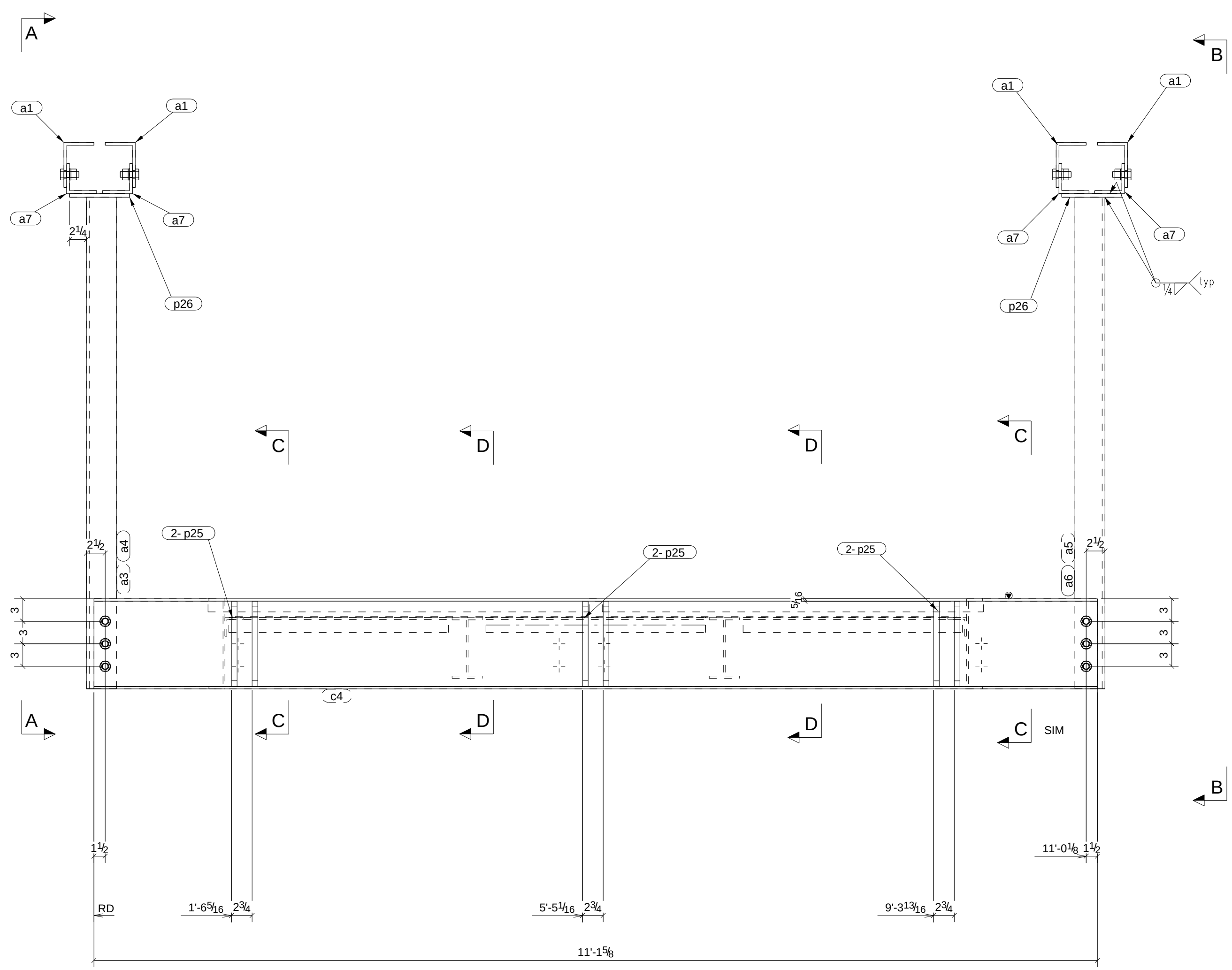
A	For Approval	9/14/09	TMc	
REV.	DESCRIPTION	DATE	DWN	CHK
GENERAL NOTES		JOB USE		
MATERIAL: A992	ELECTRODES: E70xx LH	REF. DRG.		
HOLES: 13/16 DIA. UN	CONN'S: 3/4"Ø A325-N-ST	A-310 REV2	SHOP	
SURFACE PREP. AND PAINT:		APPROVAL		
PER SPECS 1 S/C STD. PRIMER				
DESCRIPTION: STAIR 1 NORTH ELEVATION (LOOKING SOUTH)				
PROJ. NAME		DRAWN BY		
LOCATION		DATE		
CONTRACTOR STEEL FAB		CHKD. BY		
ARCH./ENG. PERKINS + WILL		DATE		
C.M. STEEL, INC.		JOB No.		
8629 OLD DOWD ROAD		25223		
CHARLOTTE/NC 28219		25224		
704-394-6626		REV.		
		A		



A	For Approval	9/14/09	TMc	
REV.	DESCRIPTION	DATE	DWN	CHK
GENERAL NOTES				
MATERIAL: A992		ELECTRODES: E70xx LH	REF. DRG.	JOB USE
HOLES: 13/16 DIA. UN		CONNS: 3/4"Ø A325-N-ST	A-310 REV2	SHOP
SURFACE PREP. AND PAINT:		PER SPECS 1 S/C STD. PRIMER		
DESCRIPTION: PLANS @ STAIR 2		APPROVAL		
PROJ. NAME: UNC BIOTECH CENTER		DRAWN BY		
LOCATION: RESEARCH TRIANGLE PARK		DATE: 09/20/2009		
CONTRACTOR: STEEL FAB		ARCH./ENG. PERKINS + WILL		
C.M. STEEL, INC.		DATE: 25223		
8629 OLD DOWD ROAD		JOB No. 25224		
CHARLOTTE/NC 28219		DRG. No. EA		
704-394-6626		REV. A		

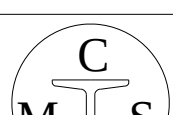


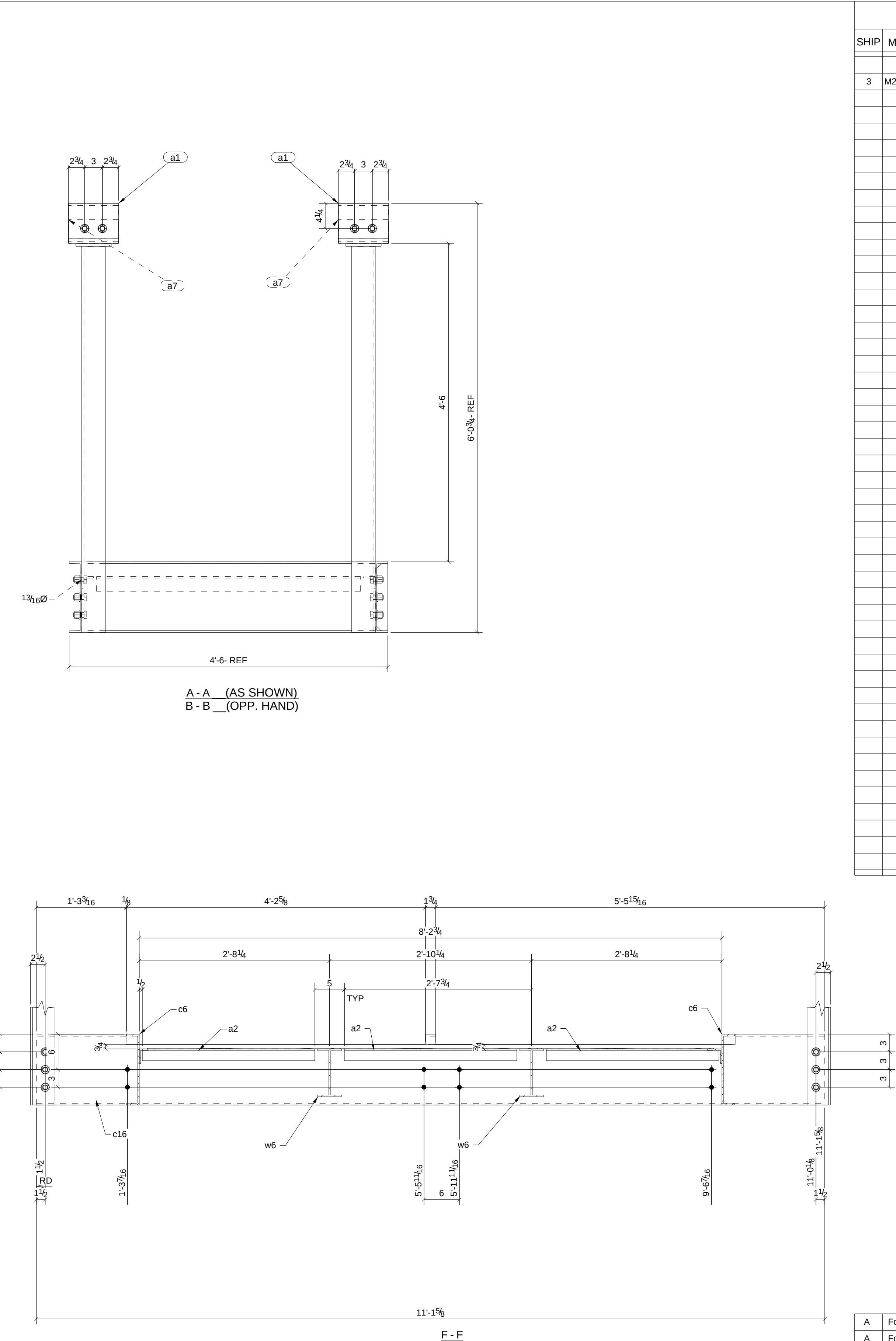
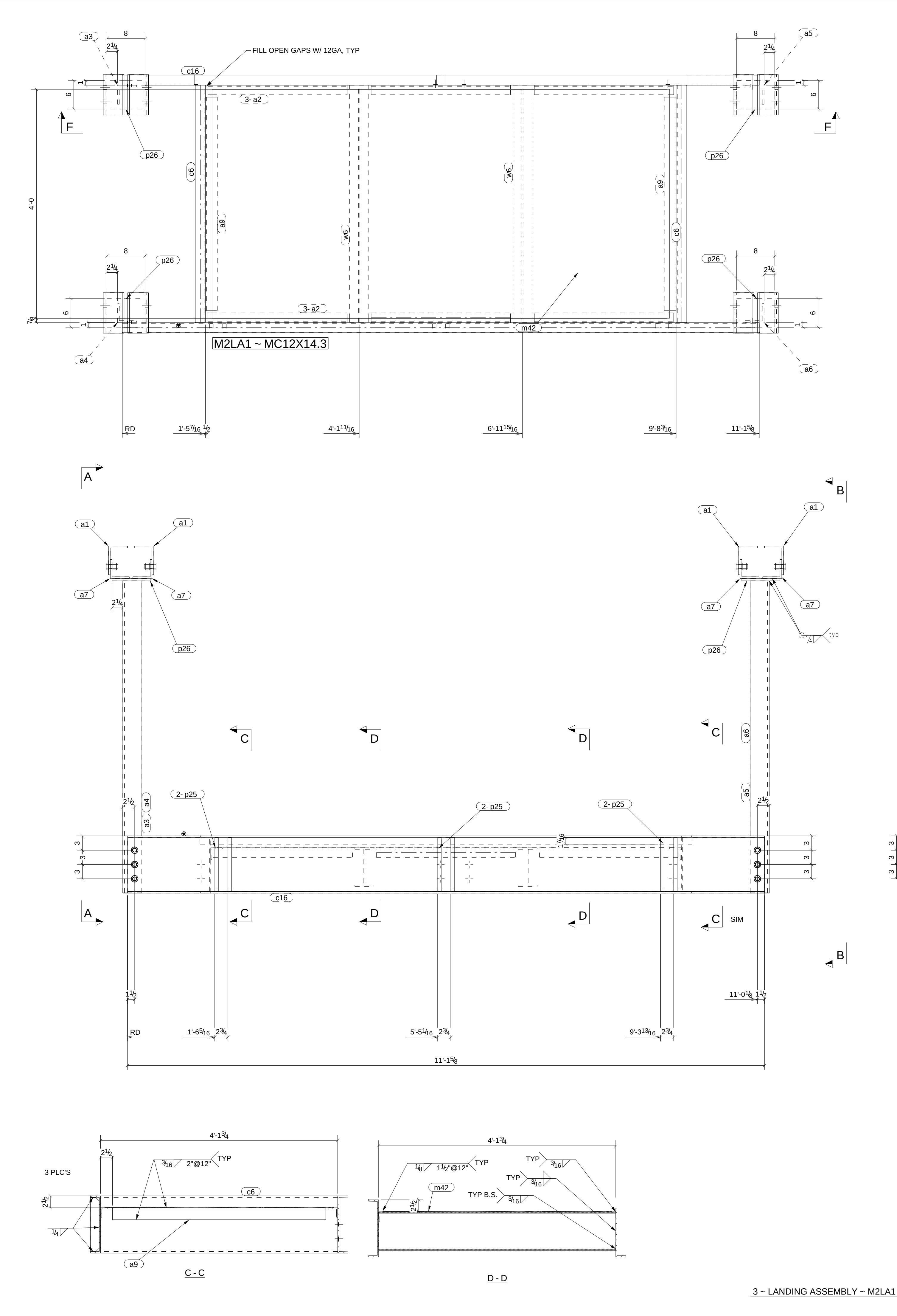
A - A (AS SHOWN)
B - B (OPP. HAND)



- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) 1/4" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

A	For Approval	10/24/09		ITMc	CHK
A	For Approval	9/14/09		ITMc	
REV.	DESCRIPTION			DATE	DWN
GENERAL NOTES				JOE USE	CHK
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.	
HOLES: 13/16 DIA. UNF		CONN'S: 3/4"Ø A325-N-ST		SHOP	
SURFACE PREP.				APPROVAL	
AND PAINT:					
PER SPECS					
1 S/C STD. PRIMER					
DESCRIPTION: STAIR 2 LANDING ASSEMBLY DETAILS					
PROJ. NAME: UNC BIOTECH CENTER				DRAWN BY: ITMc	
LOCATION: RESEARCH TRIANGLE PARK				DATE: 08/20/2009	
CONTRACTOR STEEL FAB				CHKD. BY:	
ARCH./ENG. PERKINS & WILL				DATE:	
C.M. STEEL, INC.				JOB NO. 25224	
8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626				DRG. No. M1	
					
				REV. A	

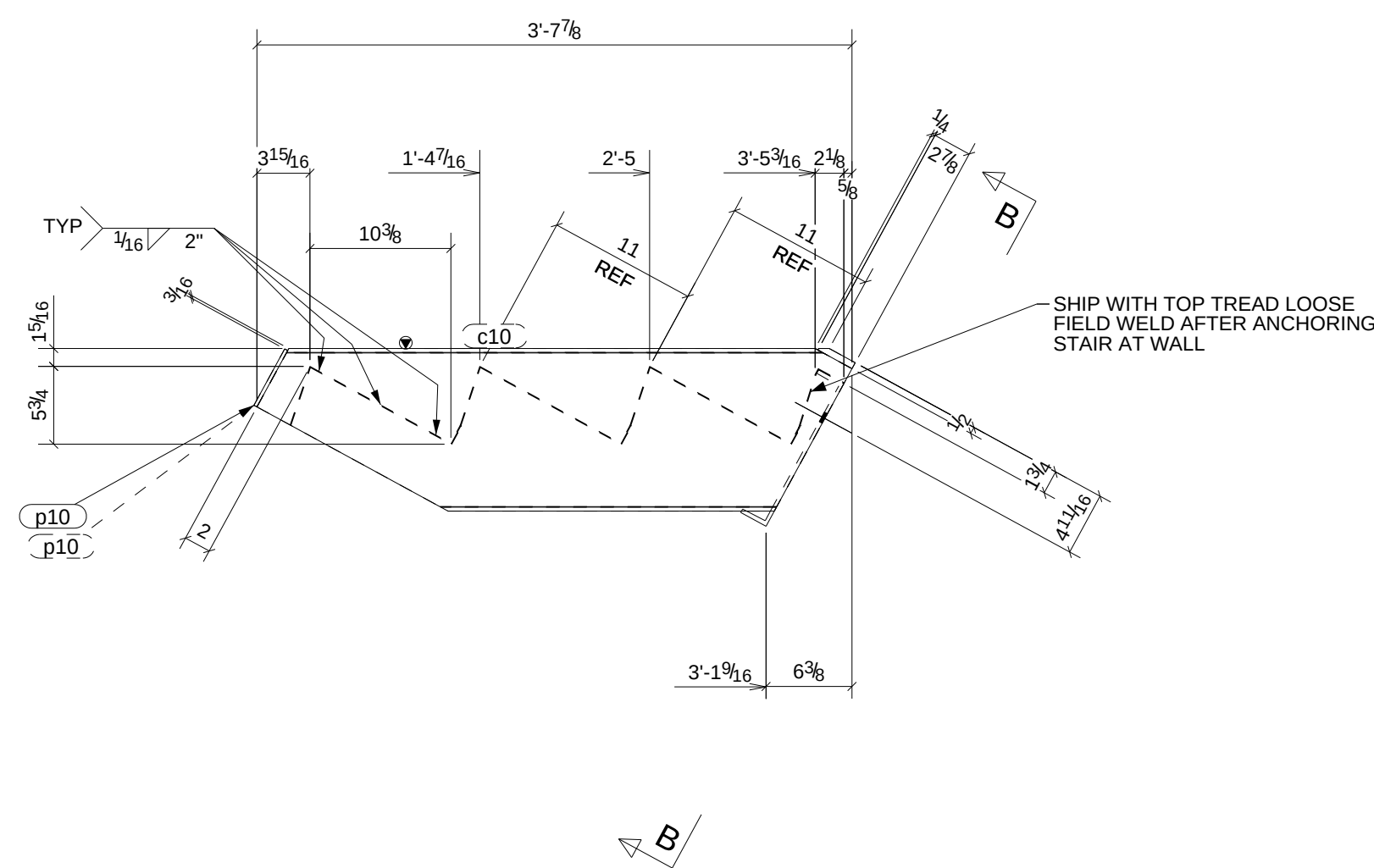


BILL OF MATERIAL					
SHIP	MARK	NO PCS	DESCRIPTION	LENGTH	PIECE MARK
3	M2LA1	3	MC12X14.3	11'-1 5/8"	SQ-2 A36
		24	L6X4X3/8	0'-8 1/2"	a1 A36
		18	L2X2X1/4	2'-5 1/4"	a2 A36
		3	L4X4X3/8	5'-5 1/2"	a3 A36
		3	L4X4X3/8	5'-5 7/16"	a4 A36
		3	L4X4X3/8	5'-5 1/2"	a5 A36
		3	L4X4X3/8	5'-5 7/16"	a6 A36
		24	L4X4X3/8	0'-8 1/2"	a7 A36
		6	L2-1/2X2-1/2X1/4	3'-8 3/4"	a9 A36
		6	MC12X14.3	4'-1 3/4"	c6 A36
		3	MC12X14.3	11'-1 5/8"	c16 A36
		3	SHT12GAX48"	8'-0"	m42 A36
		18	PL3/4"X1 7/8"	0'-11 5/16"	p25 A36
		12	FL1/2"X6"	0'-8"	p26 A36
		6	W8X15	4'-1 3/4"	w6 A992
		48	3/4"Ø A325N BOLT	0'-2"	
		36	3/4"Ø A325N BOLT	0'-1 3/4"	

5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
4) 1 1/4" EDGE DISTANCE U.N..
3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
2) GRIND ALL ROUGH EDGES SMOOTH.
1) ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

A	For Approval	10/24/09	TMc	MT
A	For Approval	9/14/09	TMc	
REV.	DESCRIPTION	DATE	DWN	CHK
GENERAL NOTES				JOB USE
MATERIAL: A992	ELECTRODES: E70xx LH	REF. DRG.		
HOLES: 13/16 DIA. U/N	CONN'S: 3/4"Ø A325-N-ST		SHOP	
SURFACE PREP. AND PAINT:			APPROVAL	
PER SPECS 1 S/C STD. PRIMER				
DESCRIPTION: STAIR 1 LANDING ASSEMBLY DETAILS				
PROJ. NAME	UNC BIOTECH CENTER	DRAWN BY	TMc	
LOCATION	RESEARCH TRIANGLE PARK	DATE	08/21/2009	
CONTRACTOR	STEEL FAB	ARCH./ENG.	PERKINS + WILL	
		DATE		
		JOB No.	25224	
		DRG. No.	M2	REV. A

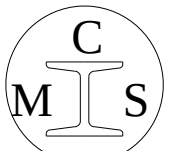


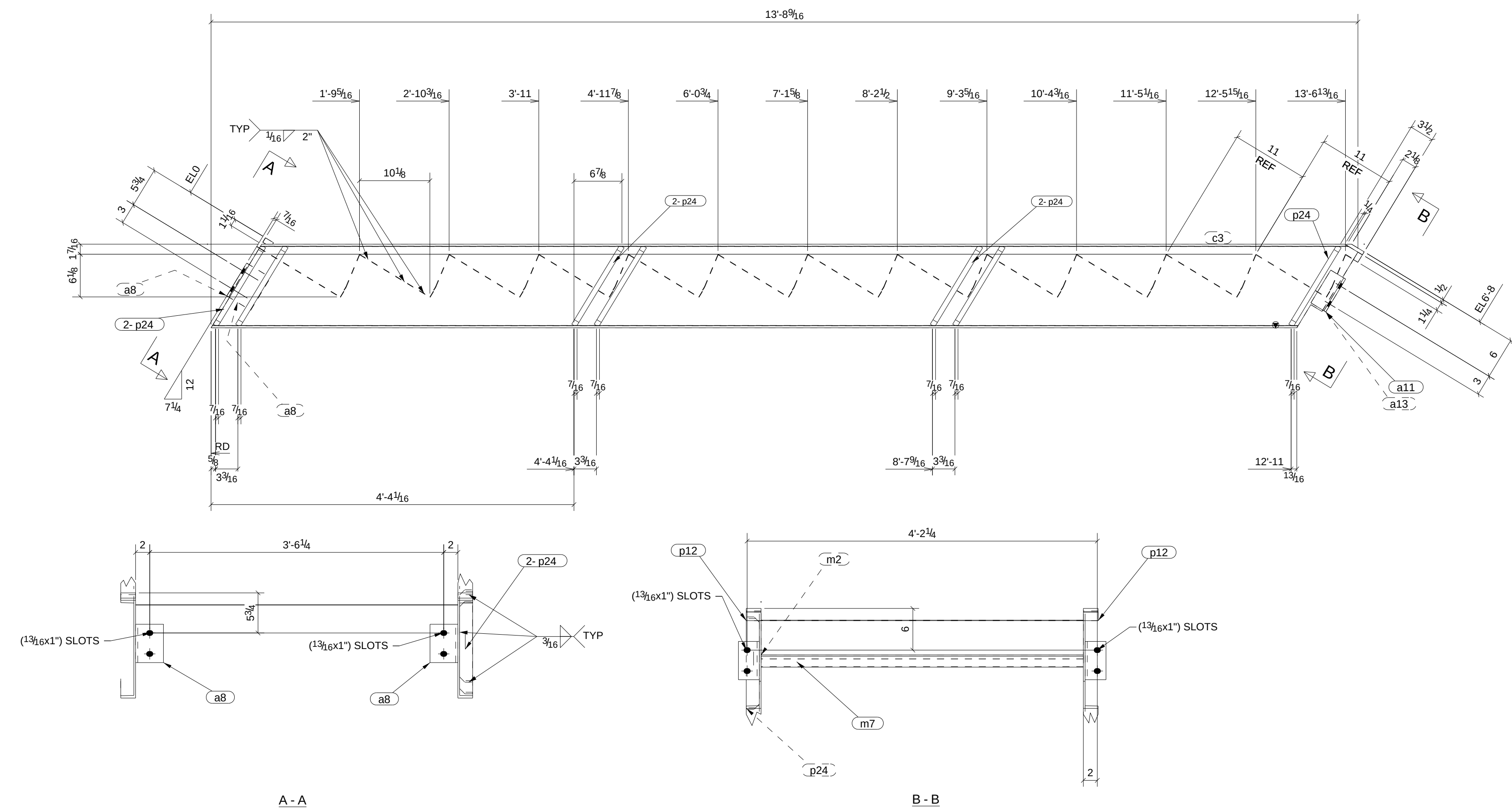
1 ~ STAIR ASS'Y ~ M3SA2 (OPP HAND)



- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) 1¼" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS $\frac{3}{16}$ " FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

REV.	A For Approval	DATE	9/14/2009	TMC	9-8-09
	DESCRIPTION	DATE	DWN	CHK	
GENERAL NOTES			JOB USE		
MATERIAL: A992	ELECTRODES: E70xx LH	REF. DRG.			
HOLES: 13/16 DIA. UN	CONNS: 3/4"Ø A325-N-ST			SHOP	
SURFACE PREP: AND PAINT:				APPROVAL	
PER SPECS					
1 S/C STD. PRIMER					
DESCRIPTION: STAIR 1 & 2 ASSEMBLY DETAILS-SA1					
PROJ. NAME	UNC BIOTECH CENTER			DRAWN BY	TMAAC
LOCATION	RESEARCH TRIANGLE PARK			DATE	09/14/2009
CONTRACTOR	STEEL FAB ARCH./ENG. PERKINS + WILL			CHKD. BY	
	C.M. STEEL, INC.			DATE	
8629 OLD DOWD ROAD				JOB NO.	25224
CHARLOTTE/NC 28219				DRG. NO.	REV.
704-394-6626				M3	A
					

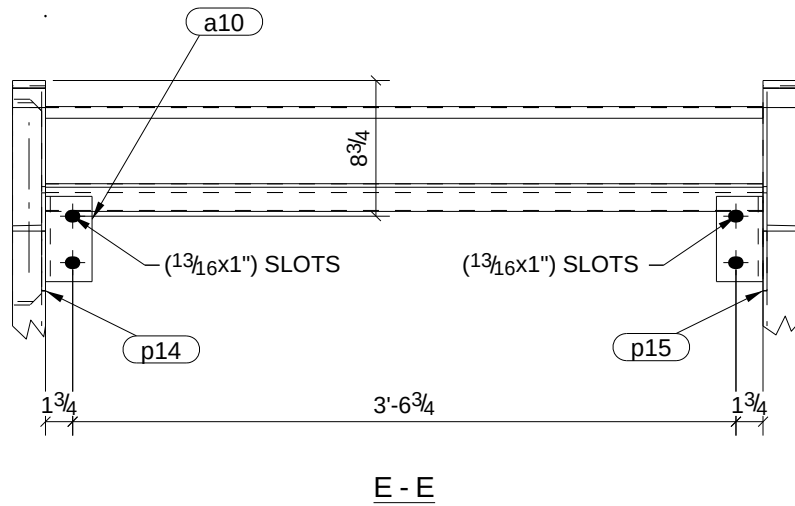


1 ~ STAIR ASS'Y ~ M4SA4 (OPP HAND)

- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) 1½" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS ¾" FILLETS OR BUTT WELDS, UNLESS NOTED.

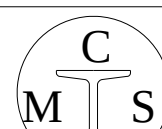
GENERAL NOTES

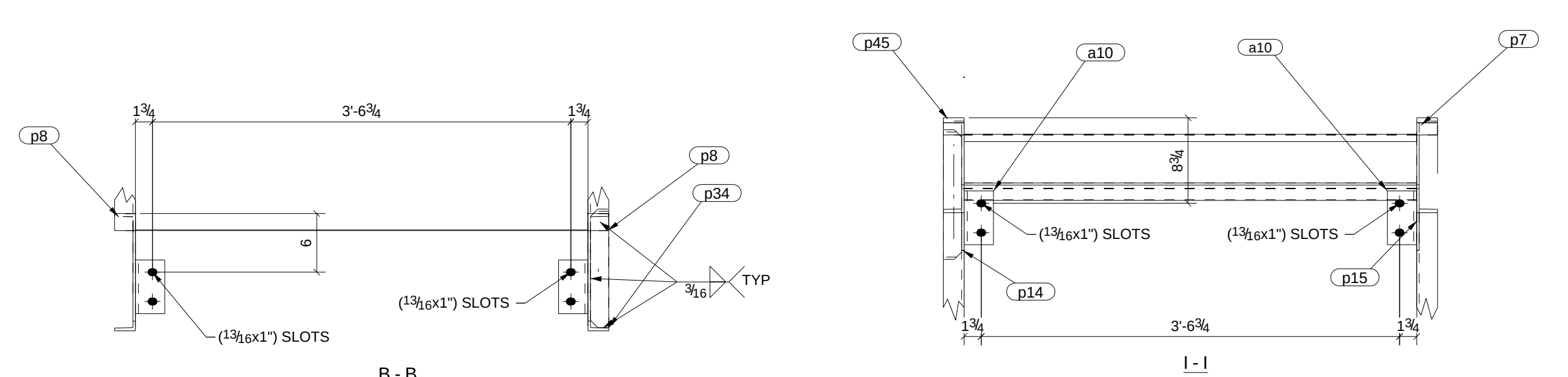
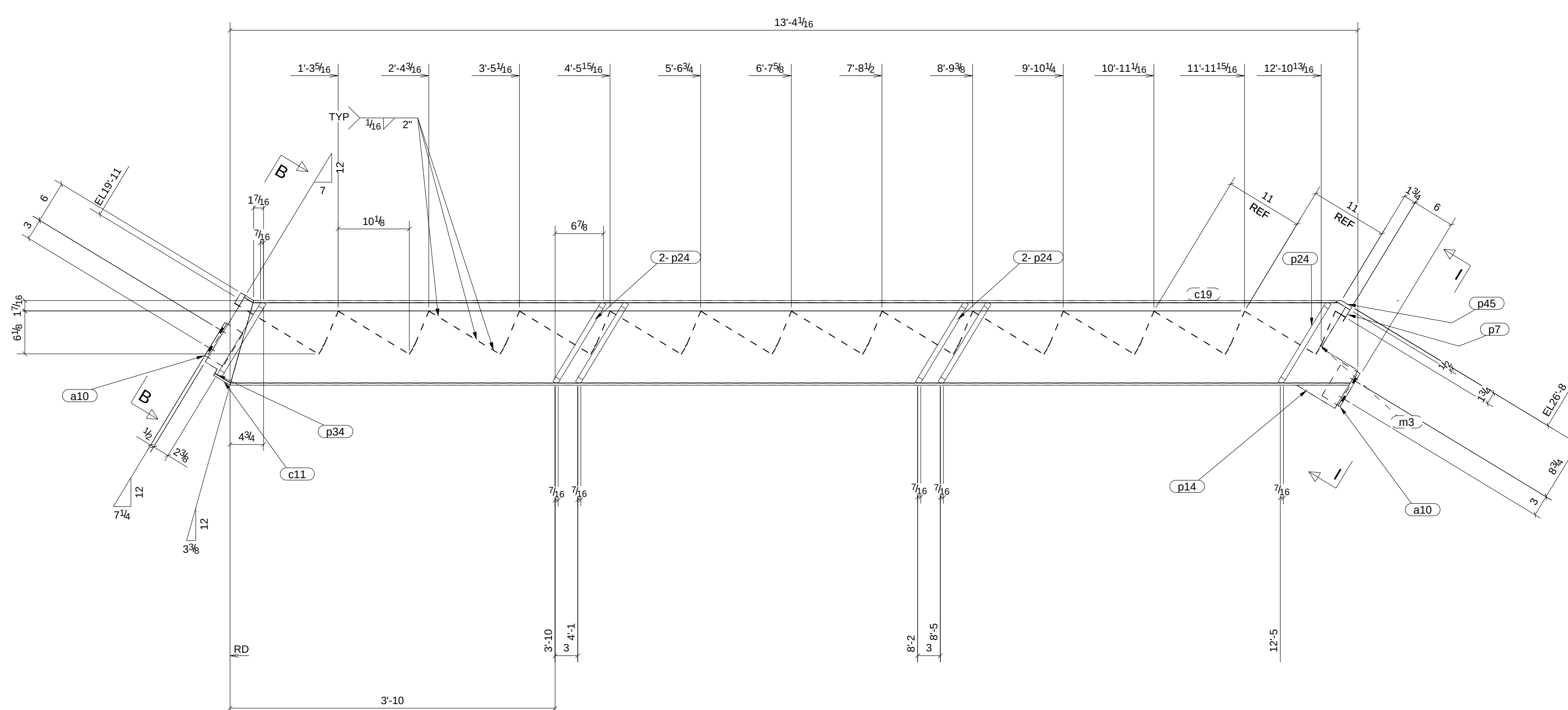
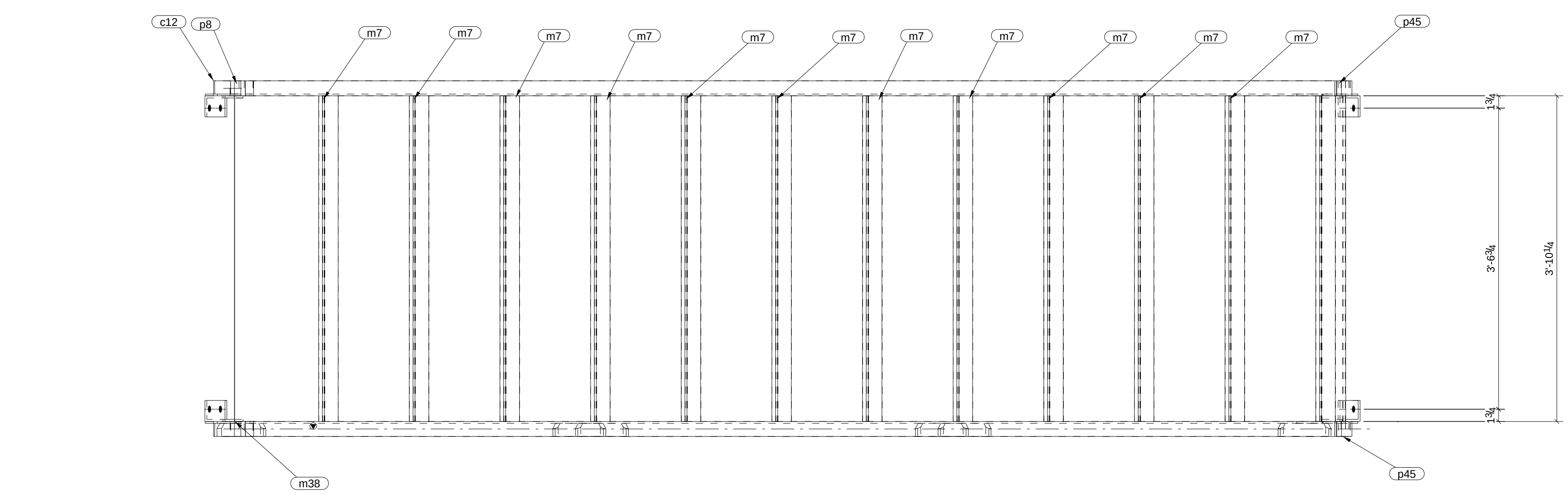
A		For Approval		DESCRIPTION		DATE		JOB USE		9/14/2009		TMC		9-8-09	
REV.												DWN		CHK	
GENERAL NOTES															
MATERIAL: A992				ELECTRODES: E70xx LH				REF. DRG.							
HOLES: 13/16 DIA. UN				CONWS: 3/4"Ø A325-N-ST								SHOP			
SURFACE PREP: AND PAINT:															
PER SPECS 1 S/C STD. PRIMER												APPROVAL			
DESCRIPTION: STAIR 1 & 2 ASSEMBLY DETAILS-SA2															
PROJ. NAME										UNC BIOTECH CENTER		DRAWN BY		TMAC	
LOCATION										RESEARCH TRIANGLE PARK		DATE		09/14/2009	
												CHKD. BY			
CONTRACTOR STEEL FAB										ARCH./ENG.		PERKINS & WILL			
C.M. STEEL, INC.												DATE			
8629 N. OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626												JOB NO.		25224	
												DRG. NO.		M4	
												REV.		A	
															



1 - STAIR ASS'Y - M5SA2 (OPP HAND)

GENERAL NOTES

For Approval			9/14/09		TMC		9-8-09	
REV.	DESCRIPTION				DATE	DWN	CHK	
GENERAL NOTES					JOB USE			
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.				
HOLES: 13/16 DIA. UN		CONVYS: 3/4"Ø A325-N ST		SHOP				
SURFACE PREP.								
AND PAINT:				APPROVAL				
PER SPECS								
1 S/C STD. PRIMER								
DISCREPTION: STAIR 1 & 2 ASSEMBLY DETAILS-SA3								
PROJ. NAME					DRAWN BY			
UNC BIOTECH CENTER					TMAC			
LOCATION					DATE			
RESEARCH TRIANGLE PARK					09/14/2009			
CONTRACTOR STEEL FAB					CHKD. BY			
ARCH./ENG. PERKINS + WILL								
 C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626					DATE			
					JOB NO.			
					25224			
					DRG. NO.		REV.	
					MS		A	



1 ~ STAIR ASS'Y ~ M7SA1 (AS SHOWN)
1 ~ STAIR ASS'Y ~ M7SA2 (OPP HAND)

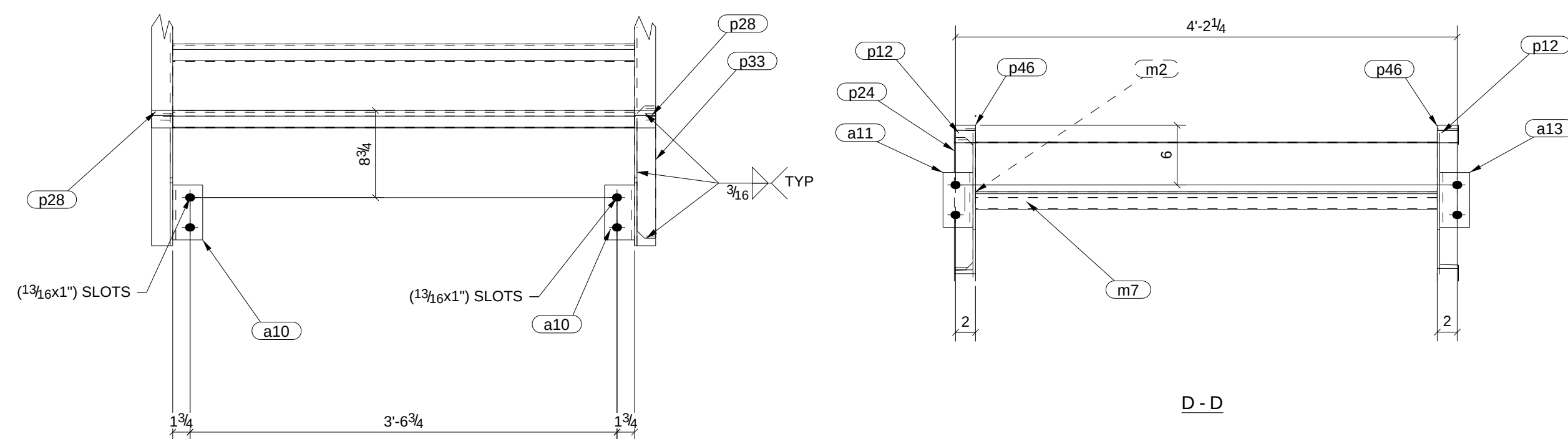
BILL OF MATERIAL

SHIP	MARK	NO PCS	DESCRIPTION	LENGTH	PIECE MARK	REMARKS
1	M7SA1	1	MC12X14.3	13'-4 1/16"		SQ-1/BEV-1 A36
		4	L3X3X5/16	0'-5 1/2"	a10	A36
		1	MC12X14.3	0'-4 3/4"	c11	A36
		1	MC12X14.3	0'-4 3/4"	c12	A36
		1	MC12X14.3	13'-4 1/16"	c19	A36
		1	SHT14GAX8 1/8"	3'-10 1/4"	m3	A304
		11	SHT14GAX19 1/16"	3'-10 1/4"	m7	A304
		1	SHT14GAX15 9/16"	3'-10 1/4"	m38	A304
		2	FL3/4"x1 1/4"	0'-2 1/8"	p7	A36
		2	FL3/4"x1 3/4"	0'-2 1/8"	p8	A36
		1	PL1/4"x3 7/8"	0'-6 3/8"	p14	A36
		1	PL1/4"x3 7/8"	0'-6 3/8"	p15	A36
		5	PL3/4"x1 7/8"	1'-1 1/4"	p24	A36
		1	PL3/4"x1 7/8"	1'-0 1/8"	p34	A36
		2	PL1/2"x2 1/8"	0'-2 5/16"	p45	A36
1	M7SA2	1	MC12X14.3	13'-4 1/16"		SQ-1/BEV-1 A36
		4	L3X3X5/16	0'-5 1/2"	a12	A36
		1	MC12X14.3	13'-4 1/16"	c7	A36
		1	MC12X14.3	0'-4 3/4"	c11	A36
		1	MC12X14.3	0'-4 3/4"	c12	A36
		1	SHT14GAX8 1/8"	3'-10 1/4"	m3	A304
		11	SHT14GAX19 1/16"	3'-10 1/4"	m7	A304
		1	SHT14GAX15 9/16"	3'-10 1/4"	m38	A304
		2	FL3/4"x1 3/4"	0'-2 1/8"	p8	A36
		2	PL1/4"x3 7/8"	0'-6 3/8"	p15	A36
		5	PL3/4"x1 7/8"	1'-1 1/4"	p30	A36
		1	PL3/4"x1 7/8"	1'-0 1/8"	p31	A36
		2	FL3/4"x1 1/4"	0'-2 1/8"	p42	A36
		2	PL1/2"x2 1/8"	0'-2 5/16"	p43	A36

- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
4) 1/4" EDGE DISTANCE U.N..
3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
2) GRIND ALL ROUGH EDGES SMOOTH.
1) ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

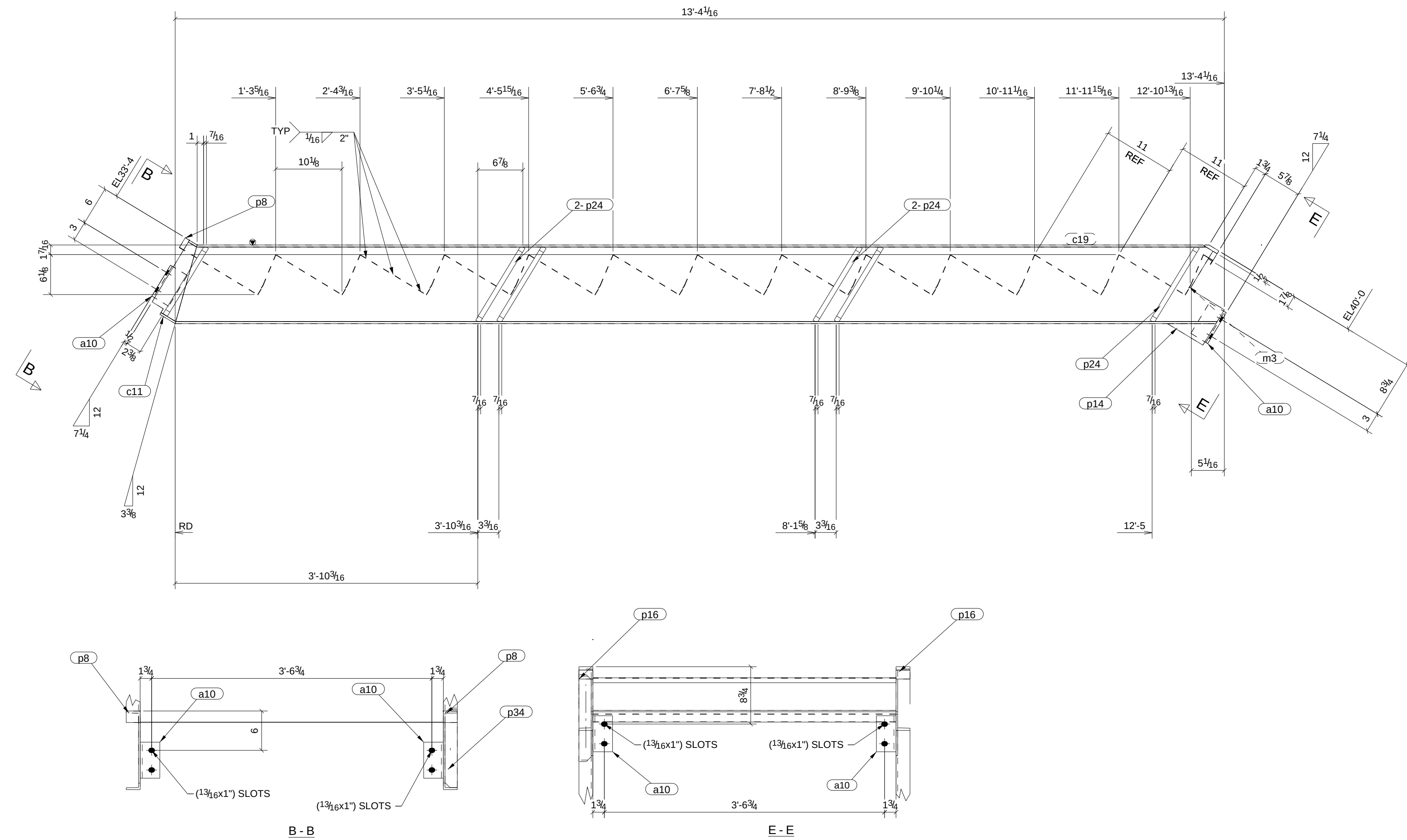
A	For Approval	9/14/09	TMc	9-8-09
REV.	DESCRIPTION	DATE	DWN	CHK
GENERAL NOTES		JOB USE		
MATERIAL: A992		SHOP		
ELECTRODES: E70xx LH		APPROVAL		
HOLES: 13/16 DIA. UN		PER SPECS		
CONNS: 3/4"Ø A325-N-ST		1 S/C STD. PRIMER		
SURFACE PREP. AND PAINT:		DESCRIPTION: STAIR 1 & 2 ASSEMBLY DETAILS-SA5		
PROJ. NAME: UNC BIOTECH CENTER		DRAWN BY: TMAC		
LOCATION: RESEARCH TRIANGLE PARK		DATE: 09/14/2009		
CONTRACTOR: STEEL FAB		ARCH/ENG: PERKINS + WILL		
C.M. STEEL, INC.		DATE: 25224		
8629 OLD DOWD ROAD		JOB No. 25224		
CHARLOTTE/NC 28219		DRG. No. M7		
704-394-6626		REV. A		



1 ~ STAIR ASS'Y ~ M8SA2 (OPP HAND)

GENERAL NOTES

A		For Approval		9/14/2009		TMC		9-8-09			
REV.		DESCRIPTION				DATE		DWN		CHK	
GENERAL NOTES						JOB USE					
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.							
HOLES: 13/16 DIA. UN		CONWS: 3/4"Ø A325-N-ST				SHOP					
SURFACE PREP: AND PAINT:											
PER SPECS 1 S/C STD. PRIMER						APPROVAL					
DESCRIPTION: STAIR 1 & 2 ASSEMBLY DETAILS-SA6											
PROJ. NAME		UNC BIOTECH CENTER				DRAWN BY		TMAC			
LOCATION		RESEARCH TRIANGLE PARK				DATE		09/14/2009			
						CHKD. BY					
CONTRACTOR STEEL FAB		ARCH./ENG.		PERKINS & WILL		DATE					
		C.M. STEEL, INC. 8629 N. OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626						JOB NO.		25224	
								DRG. NO.		REV.	
								M8		A	



1 ~ STAIR ASS'Y ~ M9SA1 (AS SHOWN)

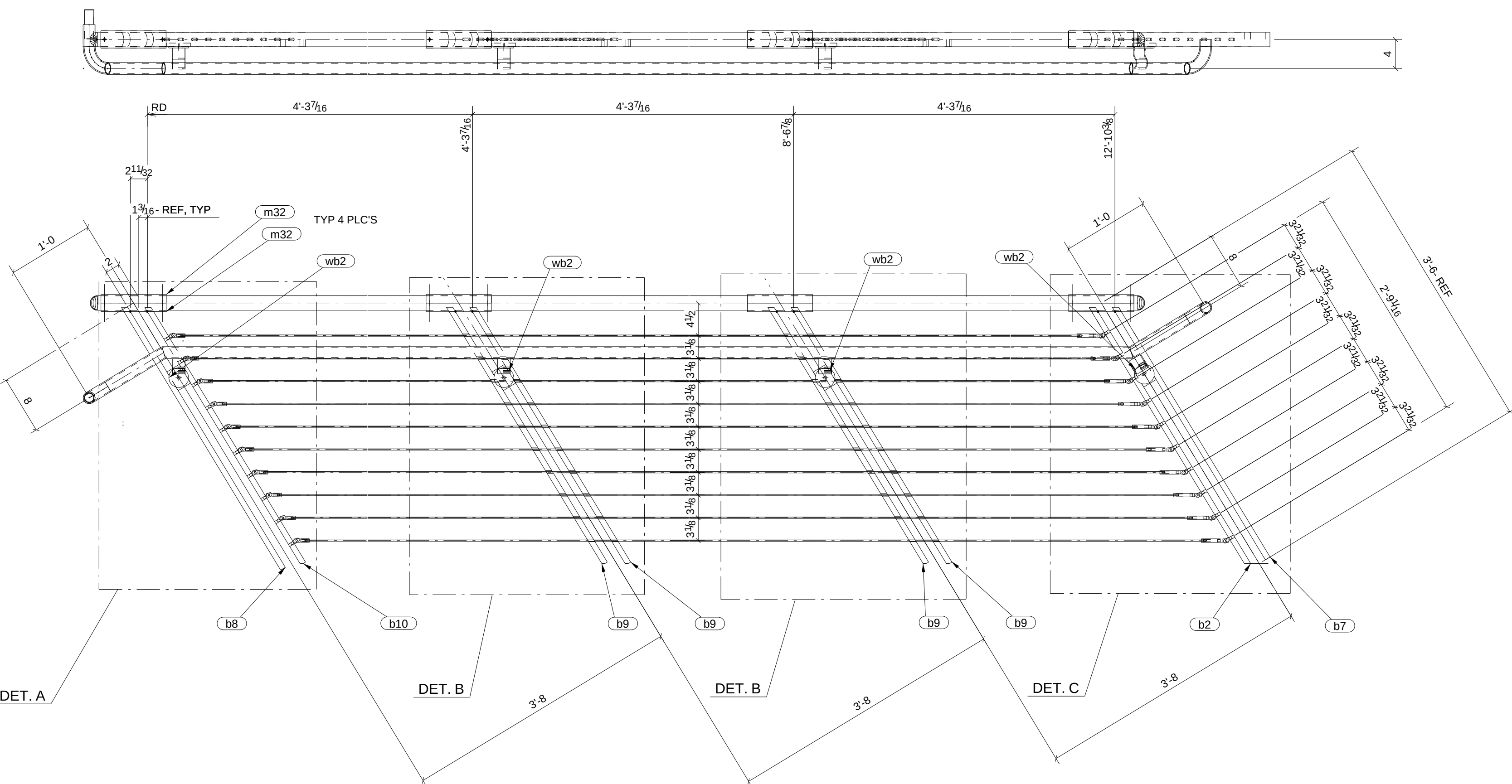
1 ~ STAIR ASS'Y ~ M9SA2 (OPP HAND)

[illegible]

- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 6) 1 1/4" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

For Approval			9/14/09		TMC		9-8-09	
REV.	DESCRIPTION			DATE	DWN	CHK		
GENERAL NOTES				JOB USE				
MATERIAL: A992		ELECTRODES: E70xx LH						
HOLES: 13 1/8 DIA. UIN		CONNS: 3/4"Ø A325-N ST		SHOP				
SURFACE PREP. AND PAINT:				APPROVAL				
PER SPECS 1 S/C STD. PRIMER								
DISPOSITION: STAIR 1 & 2 ASSEMBLY DETAILS-SA7								
PROJ. NAME		UNC BIOTECH CENTER				DRAWN BY TMAC		
LOCATION		RESEARCH TRIANGLE PARK				DATE 09/14/2009		
CONTRACTOR		STEEL FAB		ARCH./ENG. PERKINS + WILL		CHKD. BY		
						DATE		
		C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626						
						JOB NO. 25224		
						DRG. NO. M9		
						REV. A		



1 ~ WOOD RAIL ~ 1HR1 (AS SHOWN)
1 ~ WOOD RAIL ~ M10HR1 (OPP HAND)

SHIP	MARK	NO PCS	DESCRIPTION	LENGTH	PIECE MARK	REMARKS
1	1HR1	1	RB2"	13'-10 3/8"		SQ-2 OAK
		1	FL3/4"xX2"	3'-5 3/4"	b2	A36
		1	FL3/4"xX2"	3'-4 11/16"	b7	A36
		1	FL3/4"xX2"	3'-6 3/8"	b8	A36
		4	FL3/4"xX2"	3'-5 1/2"	b9	A36
		1	FL3/4"xX2"	3'-5 1/2"	b10	A36
		1	PIPE1-1/4STD	0'-1"	m19	A304
		1	PIPE1-1/4STD	0'-9 3/16"	m22	A304
		1	PIPE1-1/4STD	0'-9 1/4"	m23	A304
		1	PIPE1-1/4STD	12'-10 7/8"	m24	A304
		1	PIPE1-1/4STD	0'-3 1/16"	m26	A304
		2	WAGNER_#464		m31	A304 BOI
		8	TUBE2 3/8"x3/16"	0'-9"	m32	A512
		2	ULTRA-TEC THD'D TAB #T		p18	A304 BOI
		4	FL1/2"xX2"	0'-3"	p27	A36
		2	ROD1 1/4"	0'-4"	p11	A304
		4	3430		wb2	A304 NONE BOI
		4	3/8"-Ø A307 BOLT	0'-1 1/2"		
108	M7	108	ULTRA-TEC THD'D TAB #T			SQ-2 A304 BOI
1	M10HR1	1	RB2"	13'-10 3/8"		SQ-2 OAK
		1	FL3/4"xX2"	3'-5 3/4"	b2	A36
		1	FL3/4"xX2"	3'-4 11/16"	b7	A36
		1	FL3/4"xX2"	3'-6 3/8"	b8	A36
		4	FL3/4"xX2"	3'-5 1/2"	b9	A36
		1	FL3/4"xX2"	3'-5 1/2"	b10	A36
		1	PIPE1-1/4STD	0'-1"	m19	A304
		1	PIPE1-1/4STD	0'-9 3/16"	m22	A304
		1	PIPE1-1/4STD	0'-9 1/4"	m23	A304
		1	PIPE1-1/4STD	12'-10 7/8"	m24	A304
		1	PIPE1-1/4STD	0'-3 1/16"	m26	A304
		2	WAGNER_#464		m31	A304 BOI
		8	TUBE2 3/8"x3/16"	0'-9"	m32	A512
		2	ULTRA-TEC THD'D TAB #T		p18	A304 BOI
		4	FL1/2"xX2"	0'-3"	p27	A36
		2	ROD1 1/4"	0'-4"	p11	A304
		4	3430		wb2	A304 NONE BOI
		4	3/8"-Ø A307 BOLT	0'-1 1/2"		
120	R4	120	CABLE3/16"	12'-1 3/16"		SQ-2 A304
		2400	ULTRA-TEC_FIXED_JAW_F-		r1	A304 BOI
		2400	ULTRA-TEC TENSIONER #A		r3	A304 BOI

- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) 1 1/4" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

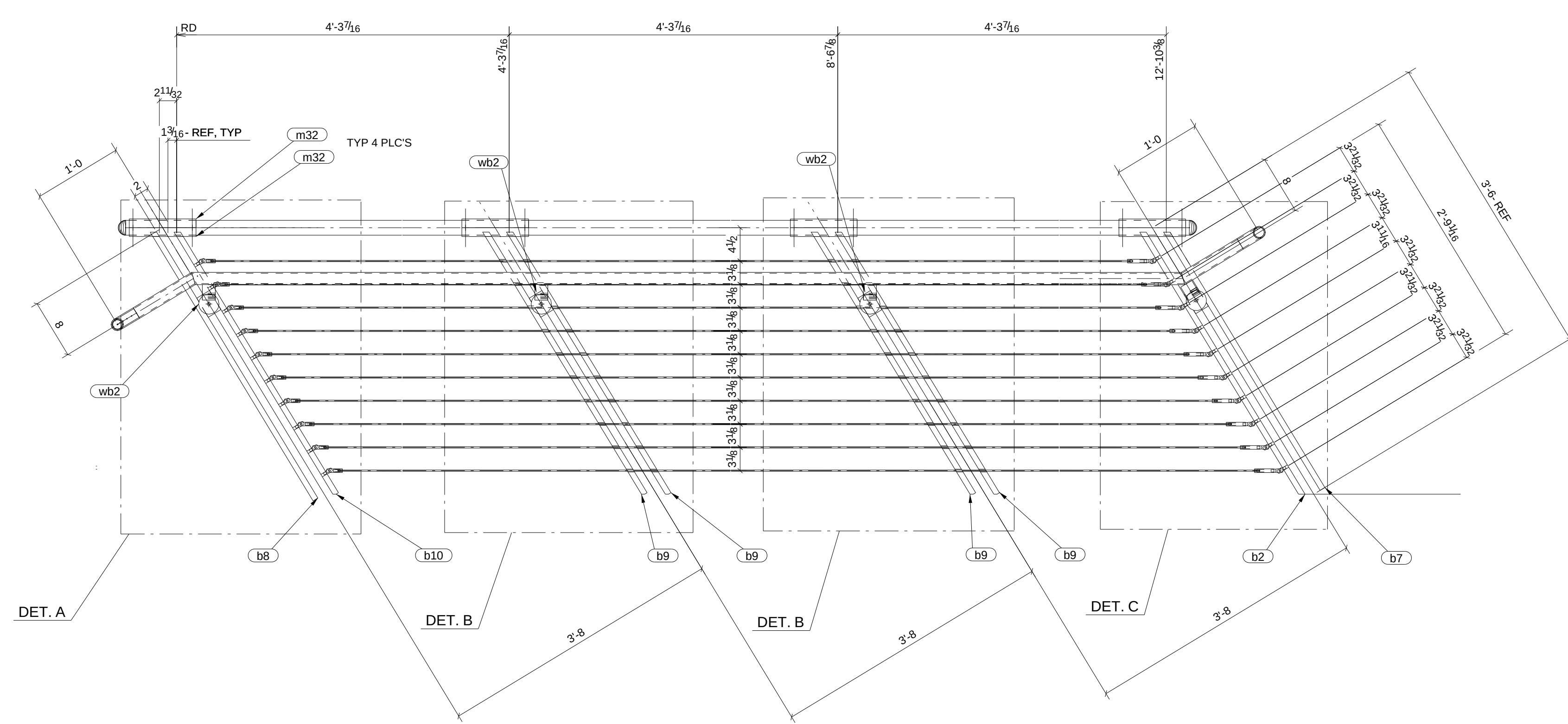
A		For Approval		DESCRIPTION		9/14/09		TMC			
REV.						DATE		DWN		CHK	
GENERAL NOTES						JOB USE					
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.							
HOLES: 3/16 DIA. UN		CONVNS: 3/4" Ø A325 N-ST									
SURFACE PREP:											
AND PAINT:											
PER SPECS						SHOP					
1 S/C STD. PRIMER						APPROVAL					
DESCRIPTION: RAIL ASSEMBLY ~ SA2											
PROJ. NAME		UNC BIOTECH CENTER						DRAWN BY TMC			
LOCATION		RESEARCH TRIANGLE PARK						DATE 08/31/2009			
CONTRACTOR STEEL FAB		ARCH./ENG.		PERKINS + WILL				CHKD. BY			
		C.M. STEEL, INC. 8629 901 DOWD ROAD CHARLOTTE/NC 28219 704-394-6626						DATE		JOB NO. 25224	
								DRG. NO. M10		REV. A	



2 ~ WOOD RAIL ~ M11HR2 (OPP HAND)

- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) 1¼" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS ¾" FILLETS OR BUTT WELDS, UNLESS NOTED.

A	For Proposal			9/14/2009	TMC	
REV.	DESCRIPTION			DATE	DWN	CHK
GENERAL NOTES				JOB USE SHOP APPROVAL 		
MATERIAL: A992		ELECTRODES: E70xx LH	REF. DRG.			
HOLES: 13/16 DIA. UIN		CONNYS: 3/4"Ø A325-N-ST				
SURFACE PREP: AND PAINT:						
PER SPECS 1 S/C STD. PRIMER						
DESCRIPTION: RAIL ASSEMBLY ~ SA3 & SA5						
PROJ. NAME		UNC BIOTECH CENTER		DRAWN BY TMC		
LOCATION		RESEARCH TRIANGLE PARK		DATE 09/12/2009		
CONTRACTOR STEEL FAB		ARCH./ENG. PERKINS + WILL		CHKD. BY		
		C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626		DATE		
				JOB NO. 25224		
				DRG. No. REV. A M11		



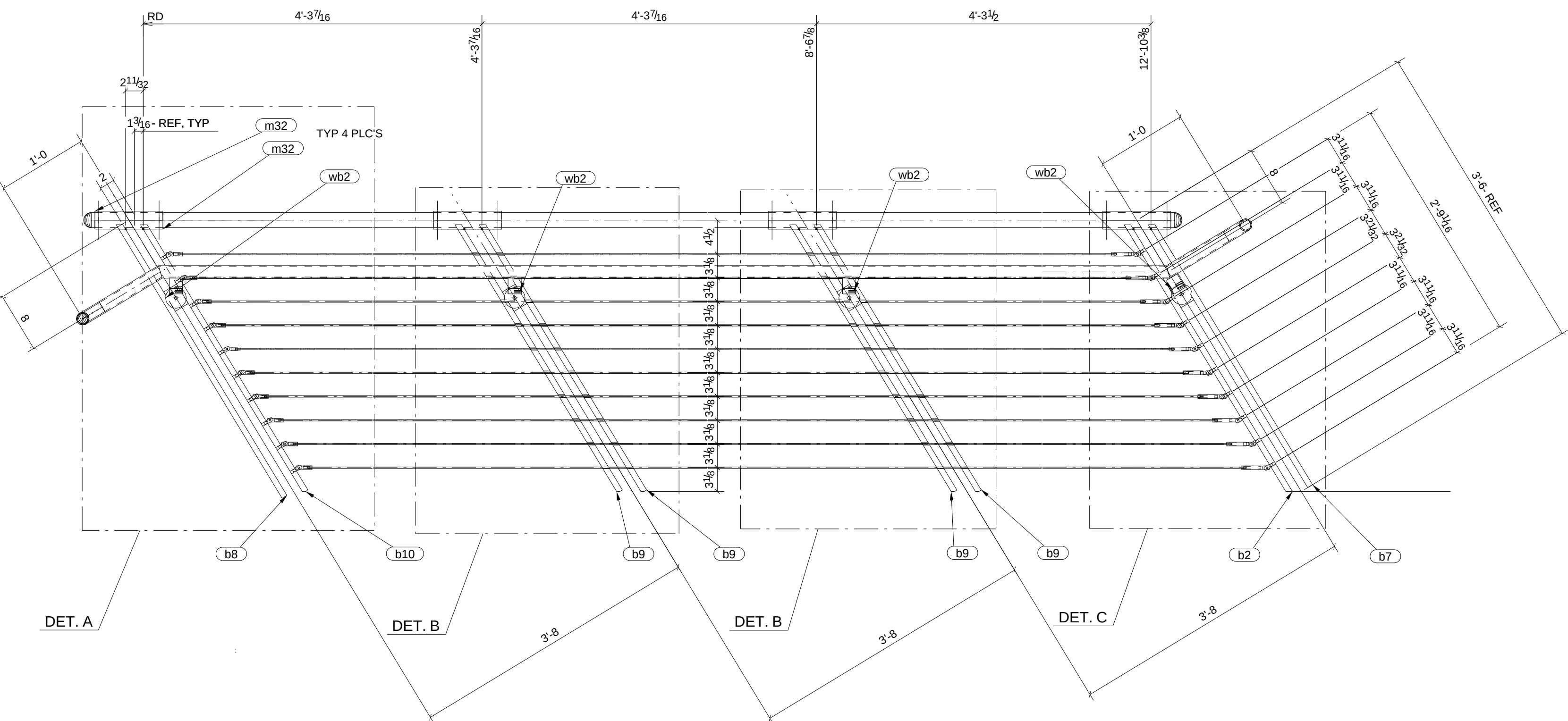
2 ~ WOOD RAIL ~ M12HR1 (AS SHOWN)
2 ~ WOOD RAIL ~ M12HR2 (OPP HAND)

BILL OF MATERIAL						
SHIP	MARK	NO PCS	DESCRIPTION	LENGTH	PIECE MARK	REMARKS
108	M7	108	ULTRA-TEC THD'D TAB #T			SQ-2 A304 BOI
2	M12HR1	2	RB2"	13'-10 3/8"		SQ-2 OAK
		2	FL3/4"x2"	3'-5 3/4"	b2	A36
		2	FL3/4"x2"	3'-4 11/16"	b7	A36
		2	FL3/4"x2"	3'-6 3/8"	b8	A36
		8	FL3/4"x2"	3'-5 1/2"	b9	A36
		2	FL3/4"x2"	3'-5 1/2"	b10	A36
		2	WAGNER_#464		m20	A304 BOI
		2	PIPE1-1/4STD	0'-9 3/16"	m22	A304
		2	PIPE1-1/4STD	0'-9 1/4"	m23	A304
		2	PIPE1-1/4STD	12'-10 7/8"	m24	A304
		4	PIPE1-1/4STD	0'-3"	m25	A304
		2	WAGNER_#464		m31	A304 BOI
		16	TUBE2 3/8"x3/16"	0'-9"	m32	A512
		4	ULTRA-TEC THD'D TAB #T		p18	A304 BOI
		8	FL1/2"x2"	0'-3"	p27	A36
		2	ROD1 1/4"	0'-4"	pi1	A304
		8	3430		wb2	A304 NONE BOI
		8	3/8"Ø A307 BOLT	0'-1 1/2"		
2	M12HR2	2	RB2"	13'-10 3/8"		SQ-2 OAK
		2	FL3/4"x2"	3'-5 3/4"	b2	A36
		2	FL3/4"x2"	3'-4 11/16"	b7	A36
		2	FL3/4"x2"	3'-6 3/8"	b8	A36
		8	FL3/4"x2"	3'-5 1/2"	b9	A36
		2	FL3/4"x2"	3'-5 1/2"	b10	A36
		2	WAGNER_#464		m20	A304 BOI
		2	PIPE1-1/4STD	0'-9 3/16"	m22	A304
		2	PIPE1-1/4STD	0'-9 1/4"	m23	A304
		2	PIPE1-1/4STD	12'-10 7/8"	m24	A304
		4	PIPE1-1/4STD	0'-3"	m25	A304
		2	WAGNER_#464		m31	A304 BOI
		16	TUBE2 3/8"x3/16"	0'-9"	m32	A512
		4	ULTRA-TEC THD'D TAB #T		p18	A304 BOI
		8	FL1/2"x2"	0'-3"	p27	A36
		2	ROD1 1/4"	0'-4"	pi1	A304
		8	3430		wb2	A304 NONE BOI
		8	3/8"Ø A307 BOLT	0'-1 1/2"		
120	R4	120	CABLE3/16"	12'-1 3/16"		SQ-2 A304
		2400	ULTRA-TEC_FIXED_JAW_F-		r1	A304 BOI
		2400	ULTRA-TEC TENSIONER #A		r3	A304 BOI

- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) 1 1/4" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

A For Approval		DESCRIPTION		9/14/09		TMC	
REV.				DATE		DWN CHK	
GENERAL NOTES				JOB USE			
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.			
HOLES: 13/16 DIA. UN		CONW'S: 3/4"Ø A325-N-ST				SHOP	
SURFACE PREP. AND PAINT:				APPROVAL			
PER SPECS							
1 S/C STD. PRIMER							
DESCRIPTION: RAIL ASSEMBLY - SA4 & SA6							
PROJ. NAME		UNC BIOTECH CENTER				DRAWN BY TMC	
LOCATION		RESEARCH TRIANGLE PARK				DATE 09/12/2009	
CONTRACTOR STEEL FAB		ARCH/ENG. PERKINS + WILL				CHKD. BY	
		C.M. STEEL, INC. 8629 NOLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626				DATE	
						JOB NO. 25224	
						DRG. NO. M12	
						REV. A	

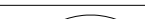
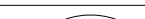


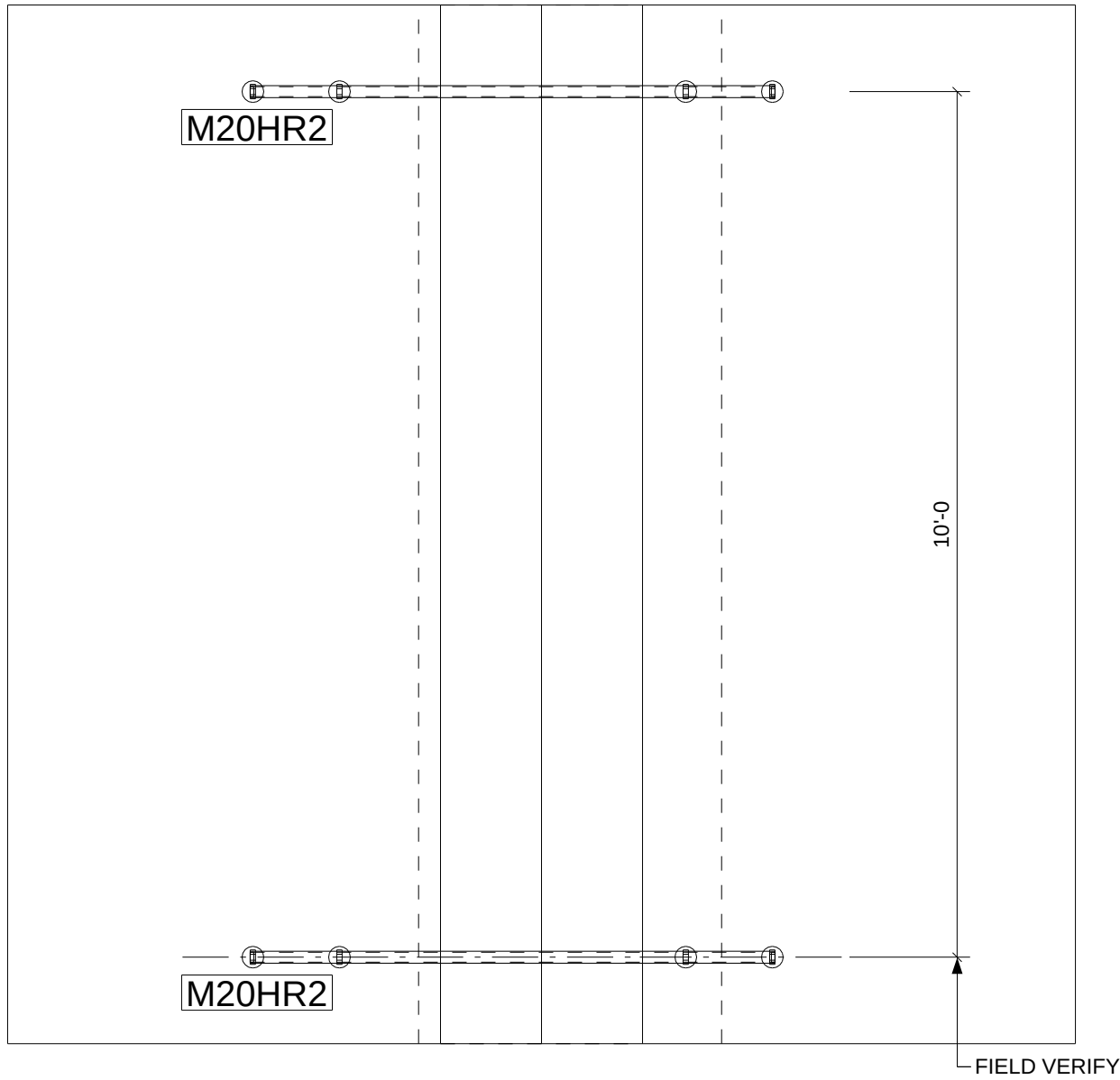
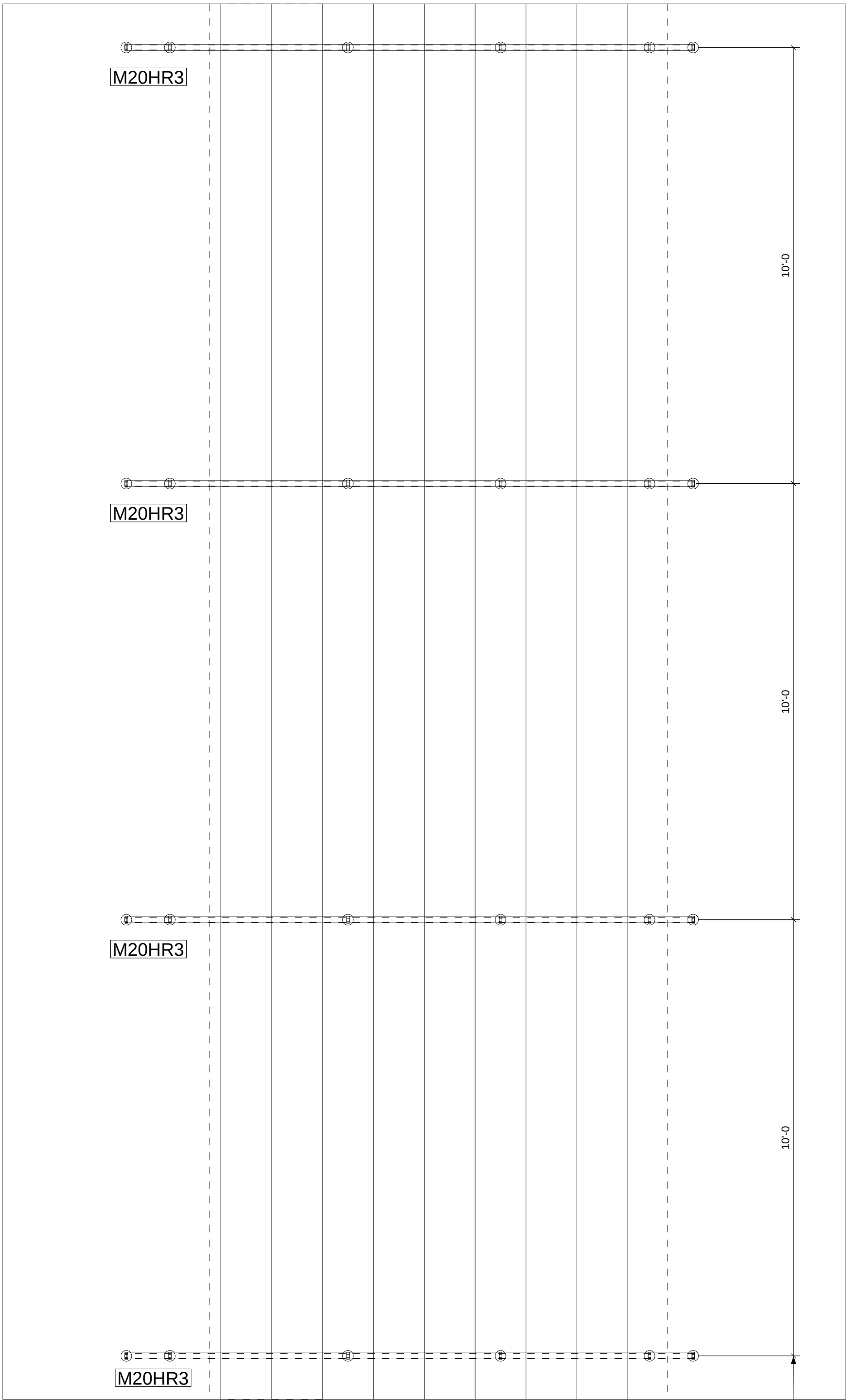
1 ~ WOOD RAIL ~ M13HR2

WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
 1/4" EDGE DISTANCE U.N.
 FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO
 FABRICATION.
 GRIND ALL ROUGH EDGES SMOOTH.
 ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.

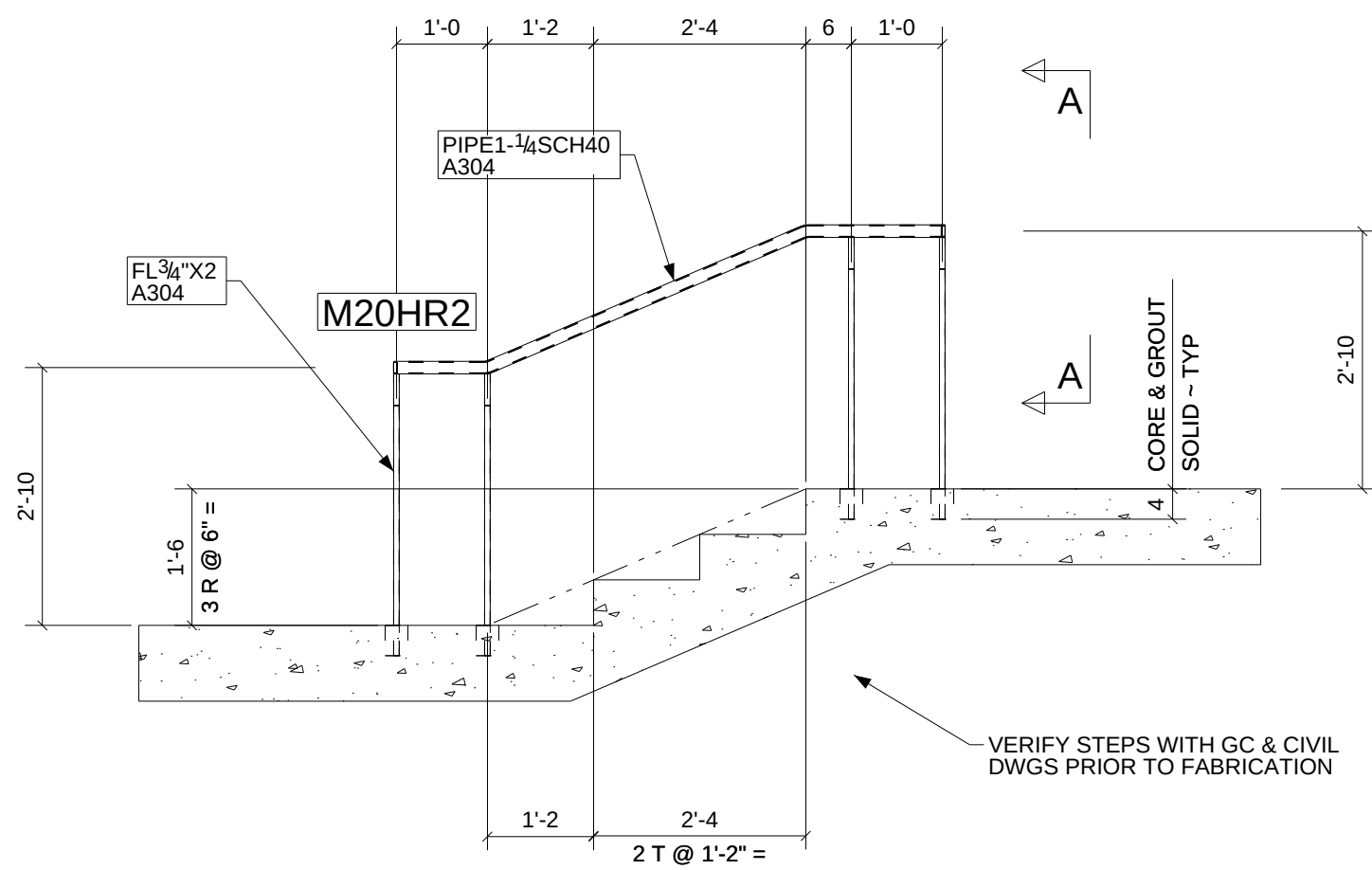
PROJ. NAME		UNC BIOTECH CENTER		DRAWN BY		Tmc	
LOCATION		RESEARCH TRIANGLE PARK		DATE		09/12/2009	
CONTRACTOR		FAB		CHKD. BY			
ARCH/ENG.		PERKINS + WILL		DATE			
C.M. STEEL, INC.		JOB NO.		25224			
8629 NOLD DOWD ROAD		DRG. NO.		M13		REV. A	
CHARLOTTE/NC 28219							
704-394-6626							

5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS 4) 1 1/4" EDGE DISTANCE U.N. 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION. 2) GRIND ALL ROUGH EDGES SMOOTH. 1) ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.	
GENERAL NOTES	

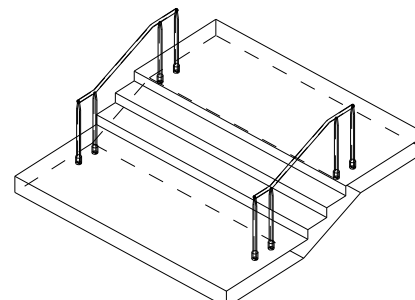
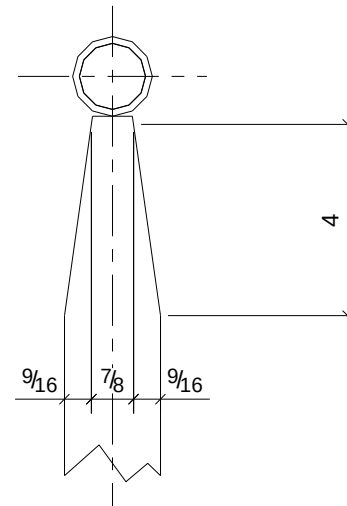
	C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626		DATE	
			JOB No.	25224
			DRG. No.	REV.
			M15	A



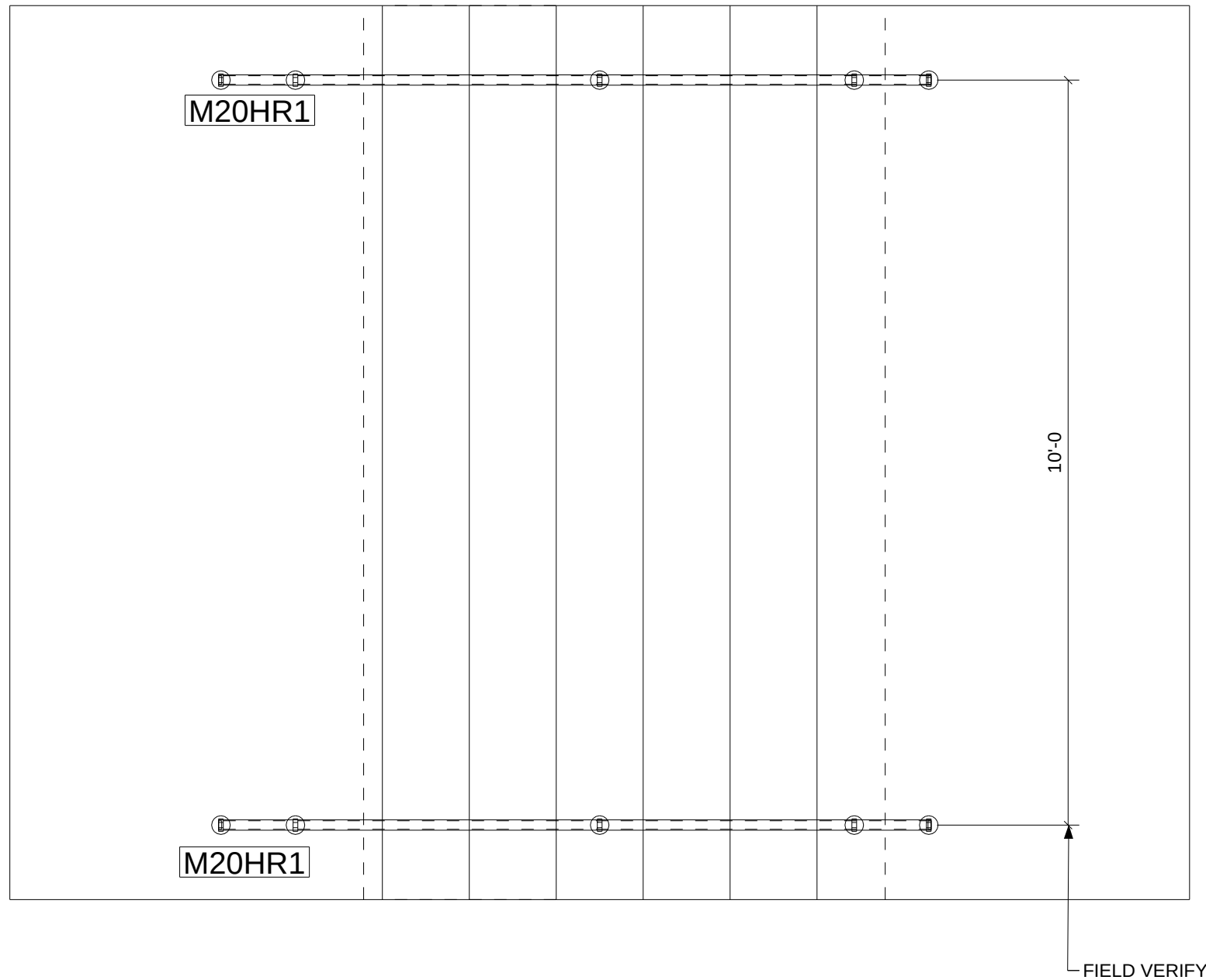
ITEM 2 RAILS @ 3 RISER CONC STEPS-PLAN



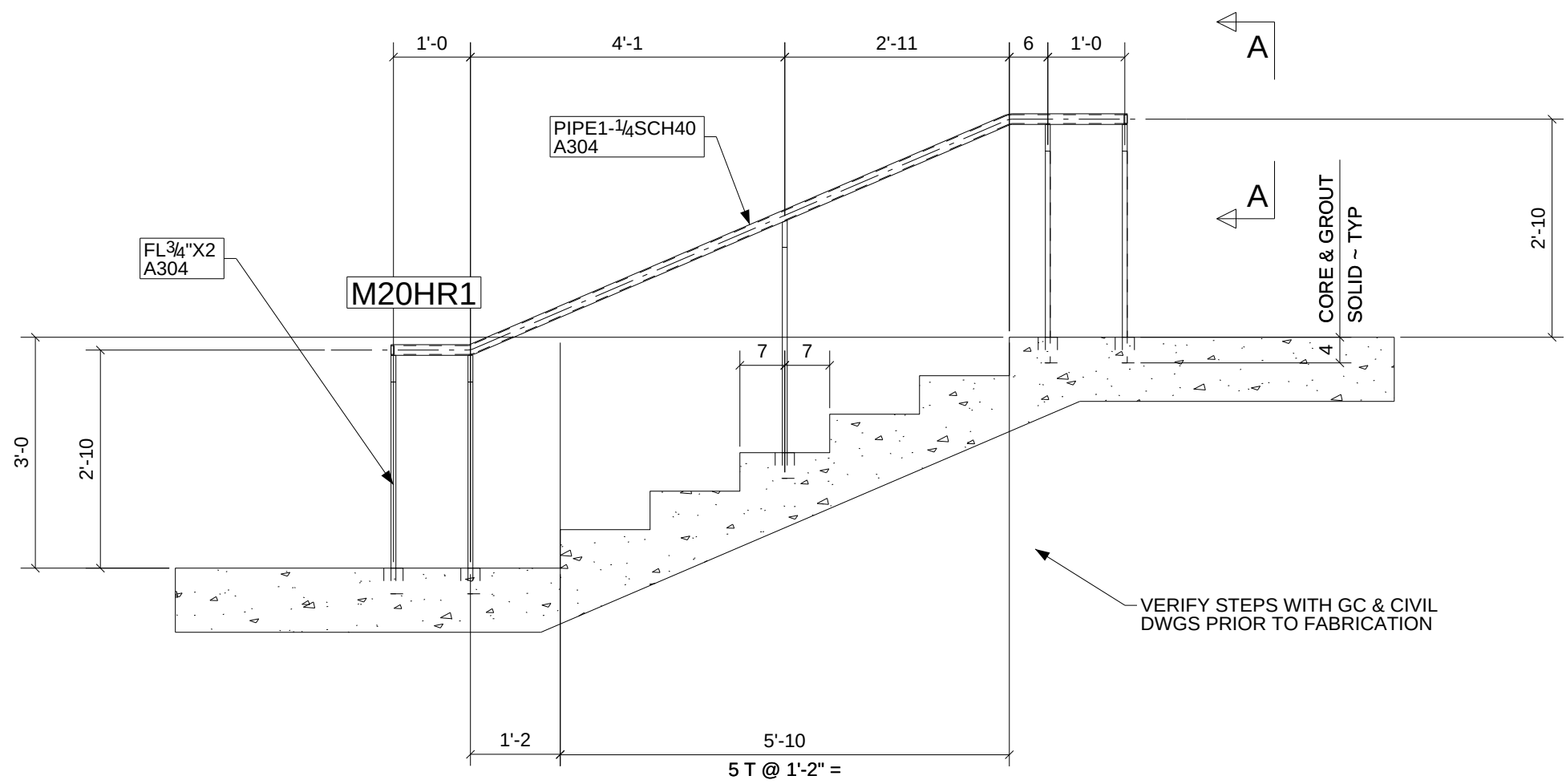
ITEM 2 RAILS @ 3 RISER CONC STEPS-SECTION



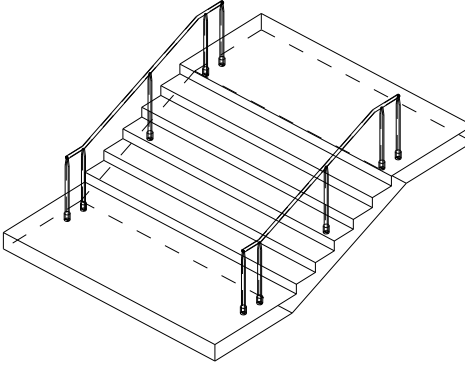
ITEM 2 RAILS @ 3 RISER CONC STEPS-3D



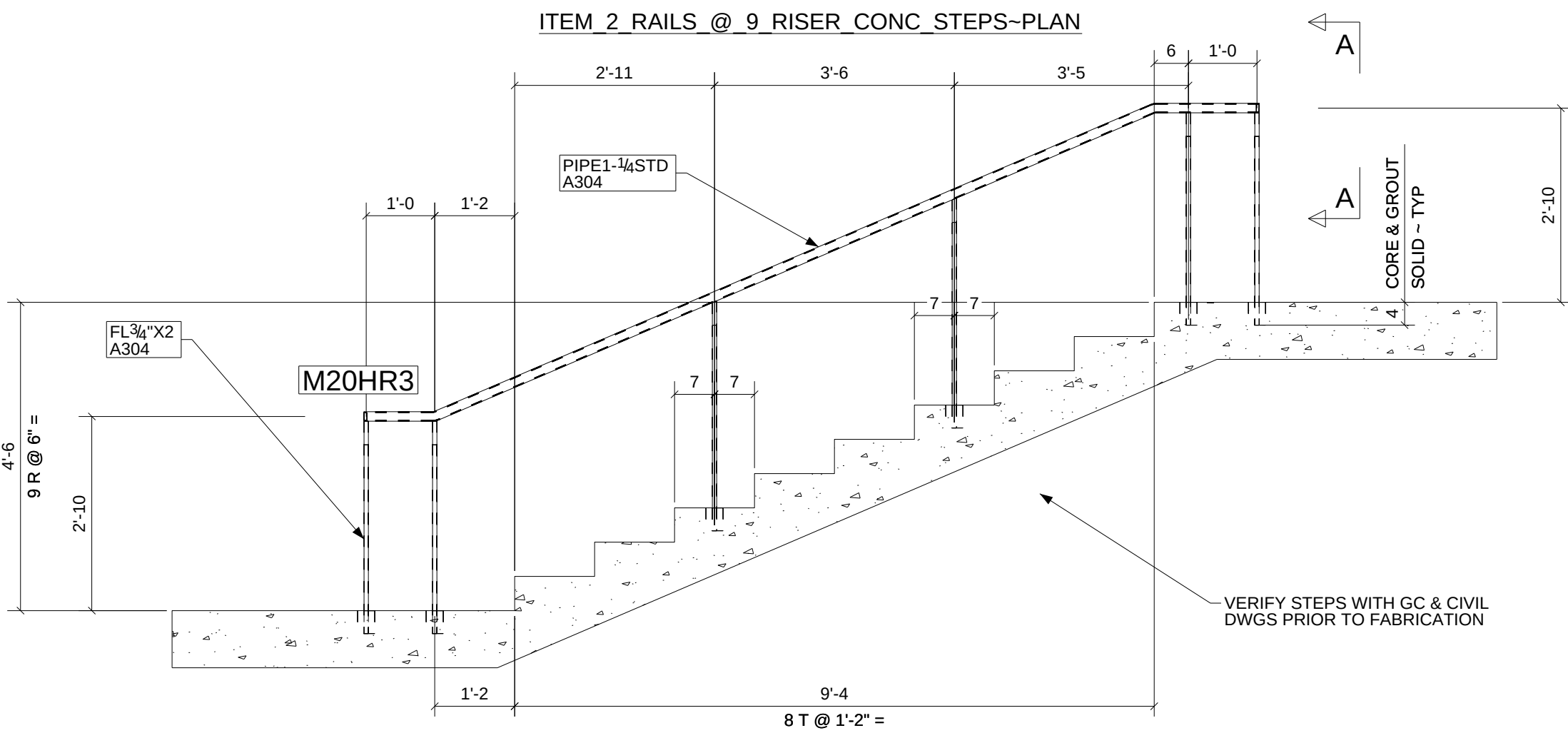
ITEM 2 RAILS @ 6 RISER CONC STEPS-PLAN



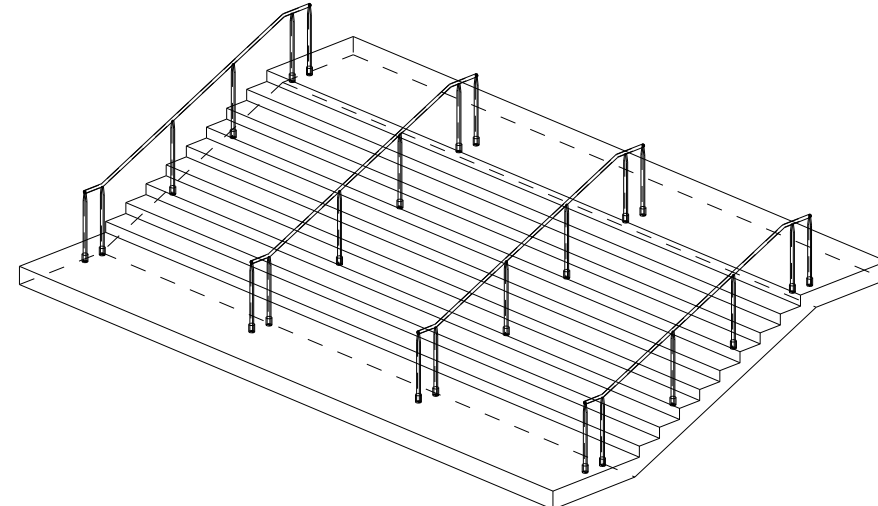
ITEM 2 RAILS @ 6 RISER CONC STEPS-SECTION



ITEM 2 RAILS @ 6 RISER CONC STEPS-3D

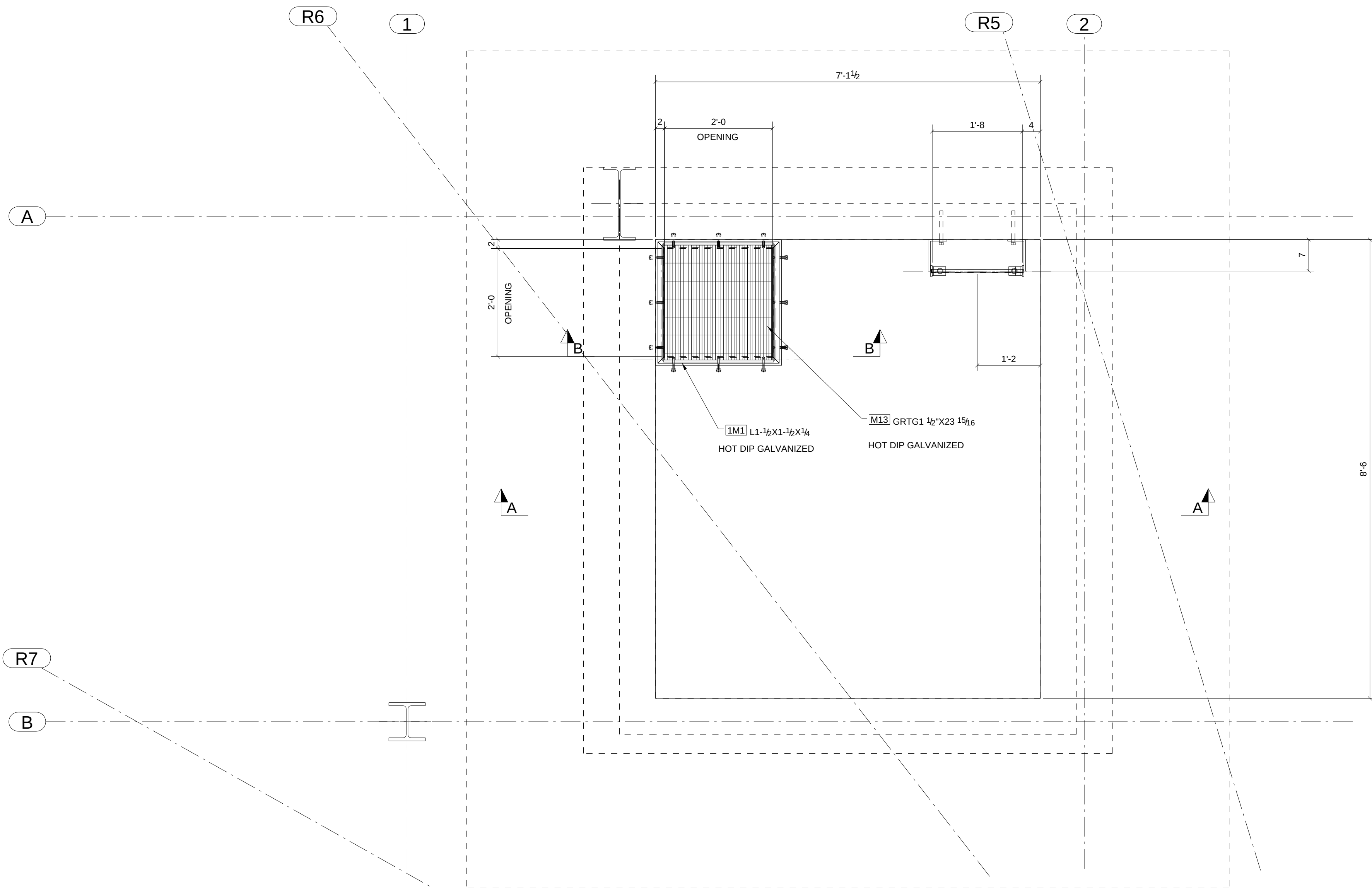


ITEM 2 RAILS @ 9 RISER CONC STEPS-SECTION

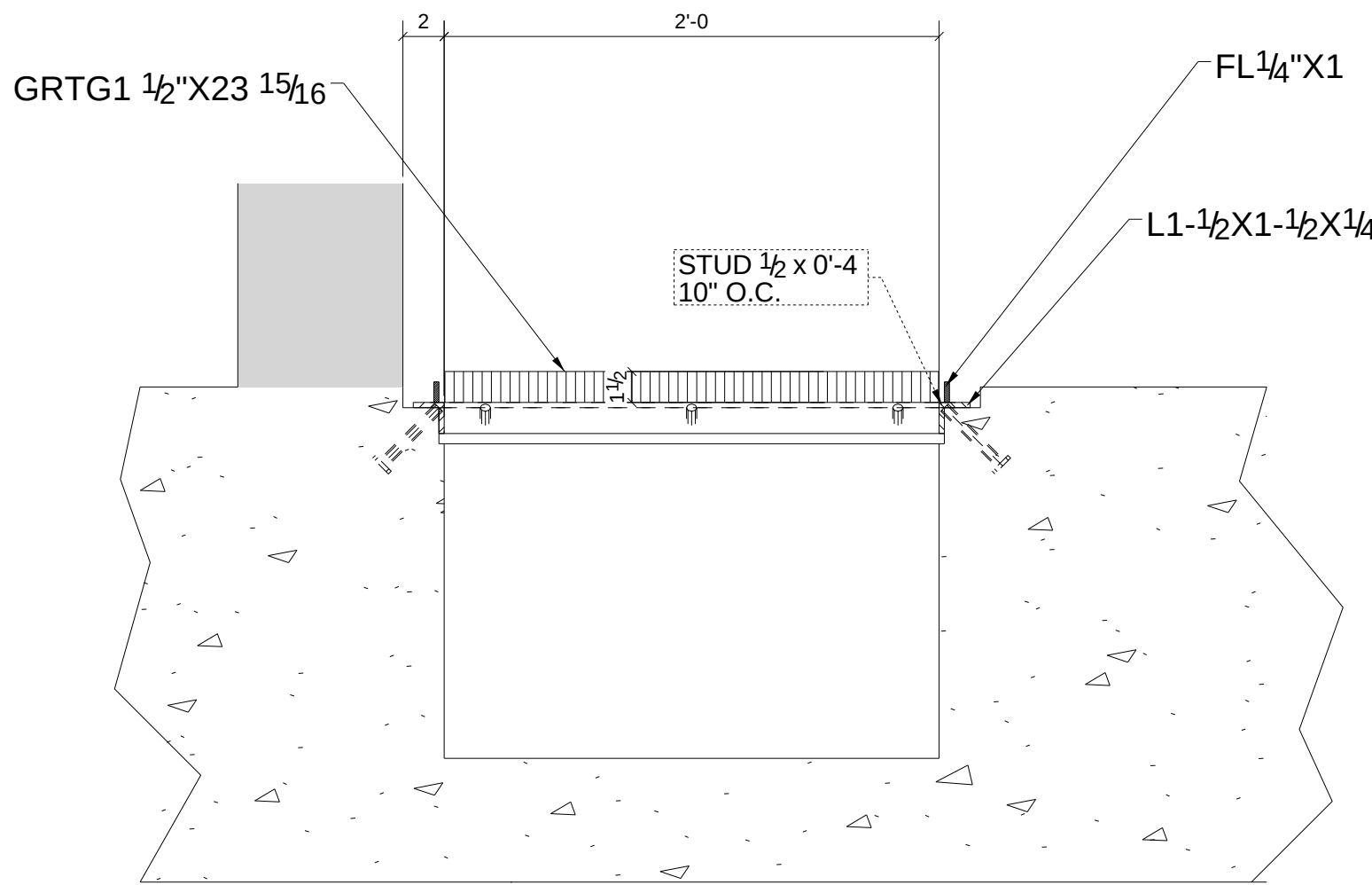


ITEM 2 RAILS @ 9 RISER CONC STEPS-3D

A	For Approval	10/14/09	TMc	10-14-
REV.	DESCRIPTION	DATE	DWN	CHK
GENERAL NOTES				
MATERIAL: A992	ELECTRODES: E70xx LH	REF. DRG.	JOB USE	
HOLES: 13/16 DIA. UN	CONN'S: 3/4\"/>		SHOP	
SURFACE PREP. AND PAINT:			APPROVAL	
PER SPECS				
1 S/C STD. PRIMER				
DESCRIPTION: STAIR PLANS & ELEVATIONS @ EXTERIOR				
PROJ. NAME	UNC BIOTECH CENTER	DRAWN BY	TMAC	
LOCATION	RESEARCH TRIANGLE PARK	DATE	10/12/2009	
CONTRACTOR	STEEL FAB	ARCH./ENG.	PERKINS + WILL	
		DATE		
		JOB No.	t25223	
		DRG. No.	ME10	
		REV.	A	

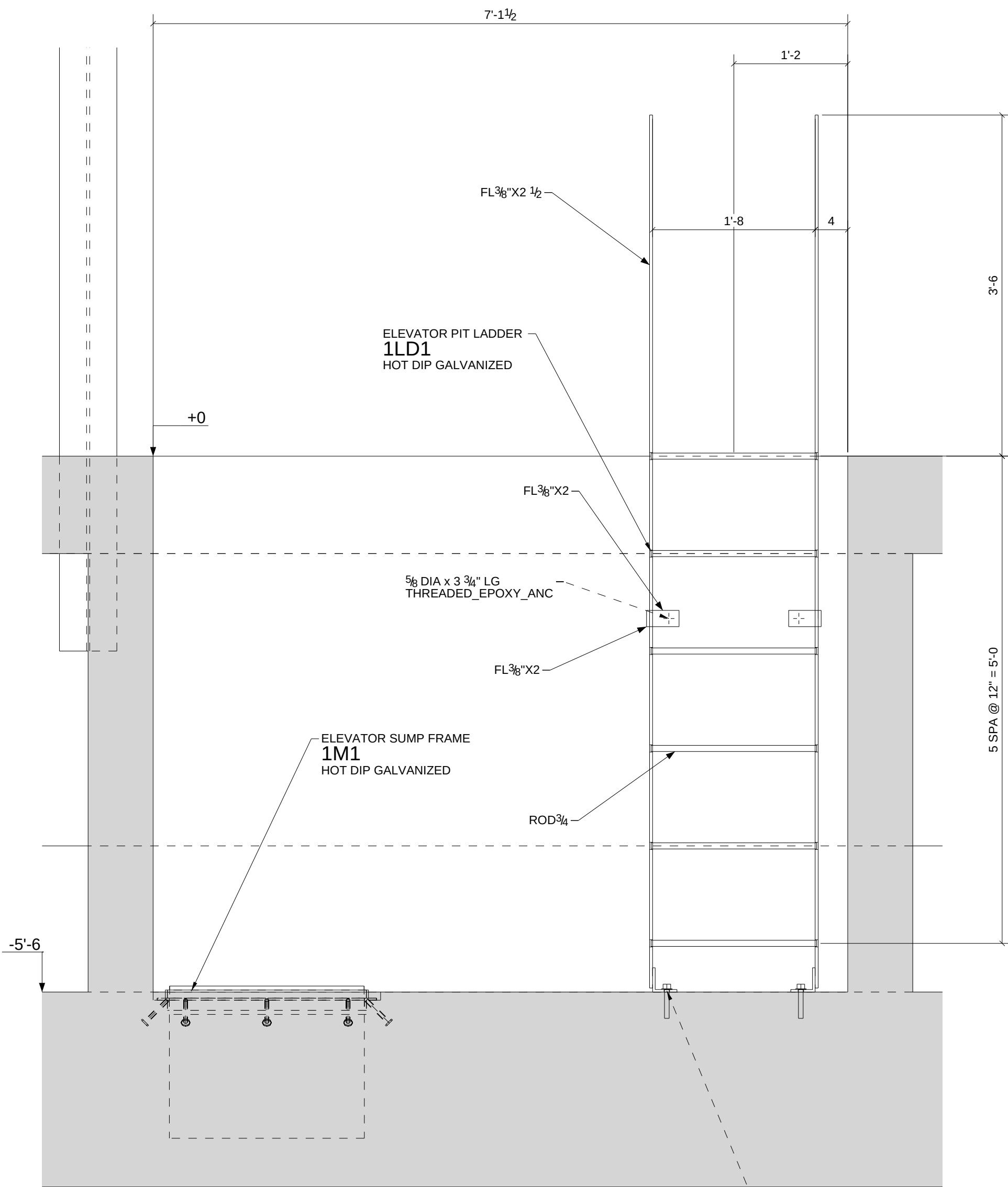


ELEVATOR PIT PLAN



SECTION ~ B - B

CONTRACTOR NOTE:
PLEASE VERIFY ALL DIMENSIONS



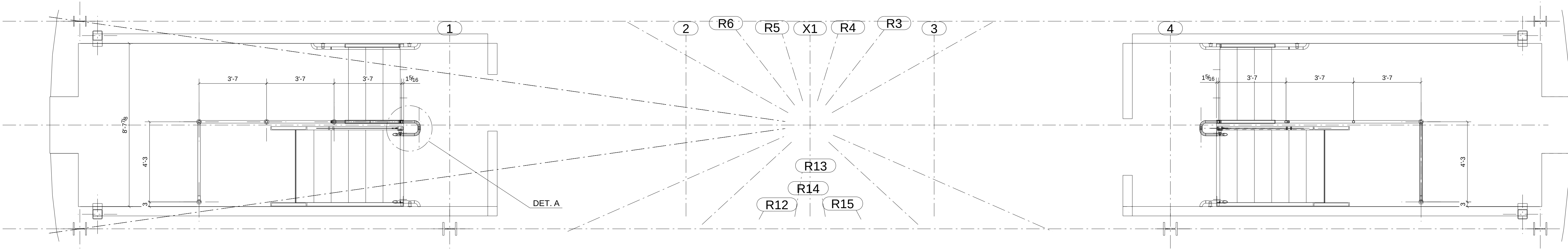
SECTION ~ A - A

This project shall be erected in accordance with Section 7 of the AISC Code of Standard Practice, which includes 7.14 Correction of Errors. That states the following:

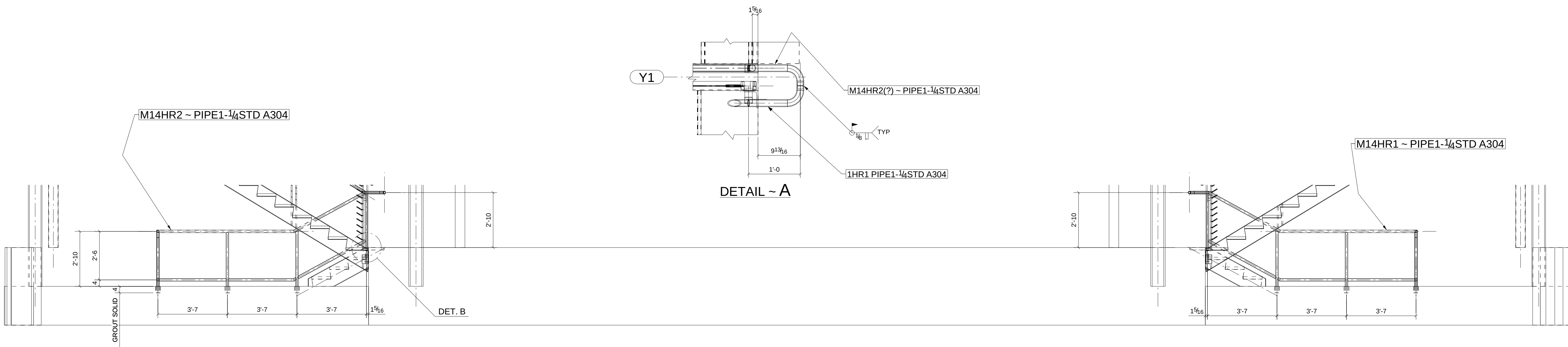
The correction of minor errors by rework, grinding, welding or cutting, and the drawing of elements into line with drill bits, shall be considered to be normal and essential operations. Errors that cannot be corrected using the foregoing means, or that require major changes in member or connection configuration, shall be promptly reported to the architect's representative for design and construction, and the contractor shall be responsible to make the responsible entity to either correct the error or approve the most efficient and economical method of correction to be used by others.

All field welds to be made with E70xx use hydrogen electrodes.

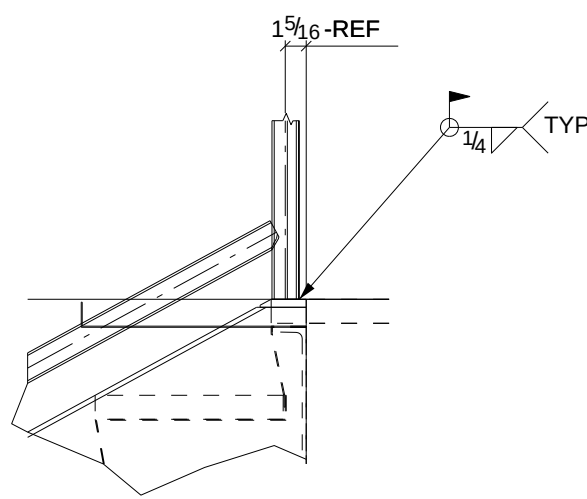
For Approval		10/20/09		TMC		
REV.	DESCRIPTION			DATE	DWN	CHK
GENERAL NOTES						
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.		
HOLES: 13/16 DIA. UN		CONVNS: 3/4"Ø A325-N-ST				
SURFACE PREP.				JOB USE		
AND PAINT:				SHOP		
PER SPECS						
1 S/C STD. PRIMER				APPROVAL		
DESCRIPTION: ELEVATOR PIT PLAN						
PROJ. NAME UNC BIOTECH CENTER				DRAWN BY TMC		
LOCATION RESEARCH TRIANGLE PARK				DATE 10/20/2009		
CONTRACTOR STEEL FAB				ARCH/ENG. PERKINS + WILL		
C.M. STEEL, INC.				CHKD. BY		
8629 OLD DOWD ROAD				DATE		
CHARLOTTE/NC 28219				JOB NO. t25223		
704-394-6626				DRG. NO. ME-30		
				REV. A		



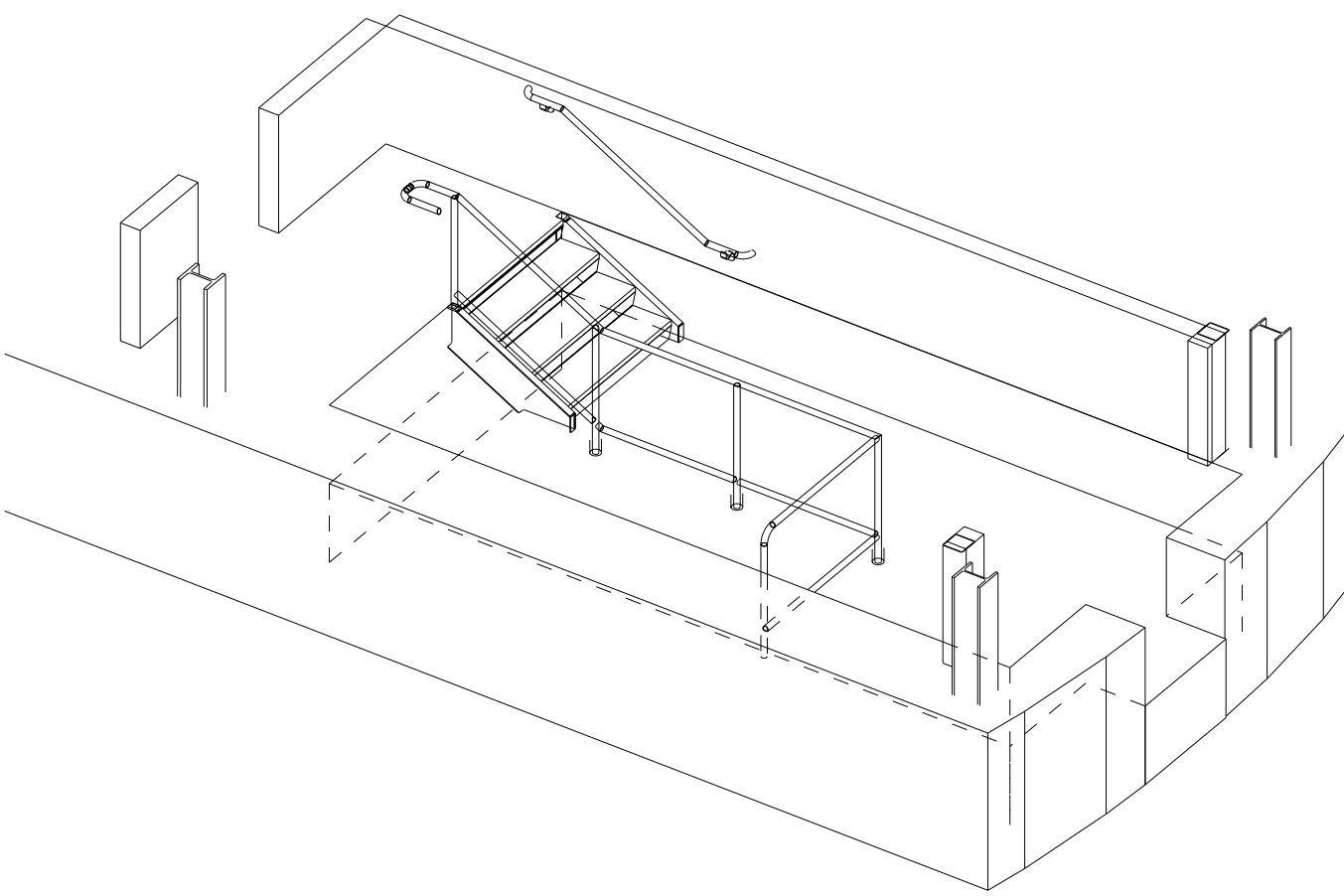
ENTRY WAY RAILING @ STAIR TOWERS ~ PLAN



ENTRY NORTH ELEVATION (LOOKING SOUTH) @ GRID D

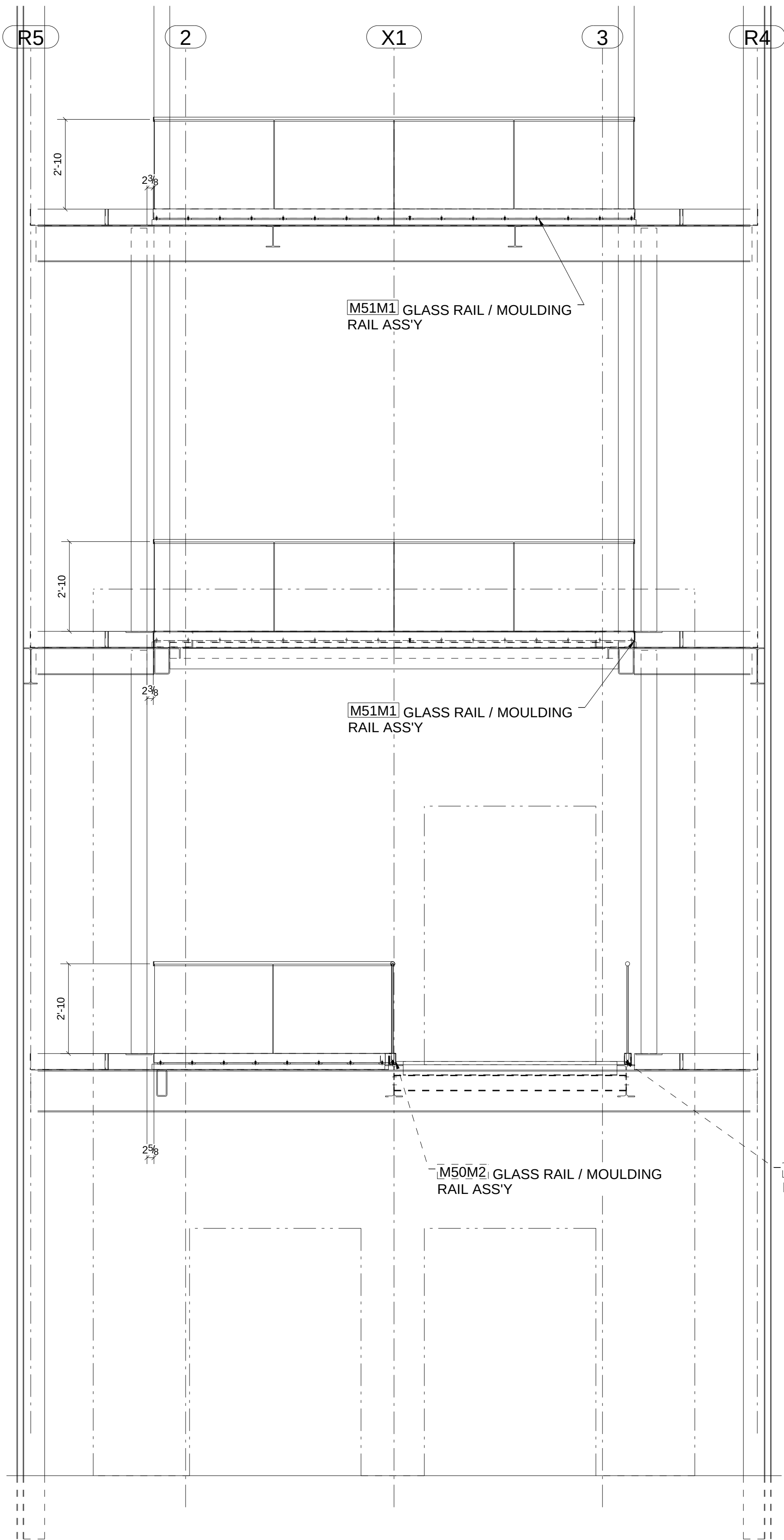


DETAIL B

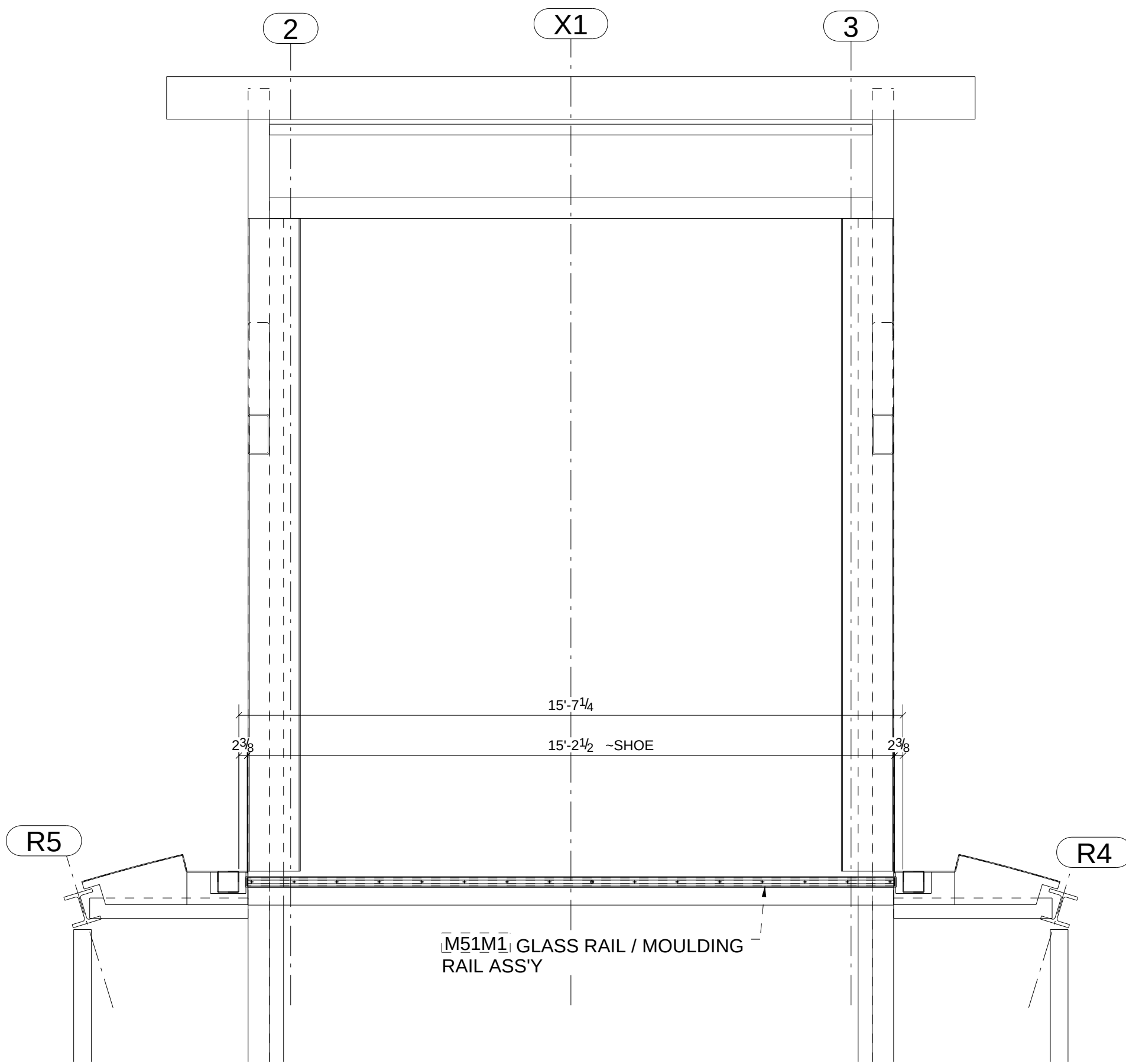


This project shall be erected in accordance with Section 7 of the AISC Code of Standard Practice, which includes 7.1.1.1 Correction of Errors, that states the following:
The correction of minor errors by rework, grinding, welding or cutting, and the drawing of elements into line with drill pins, shall be considered to be normal erection operations. Errors that cannot be corrected using the foregoing means, or that require major changes in member or connection configuration, shall be promptly reported to the owner's representative for design and construction, and the contractor, by the erector, to make the responsible entity to either correct the error or approve the most efficient and economical method of correction to be used by others.
All field welds to be made with E70xx low hydrogen electrodes.

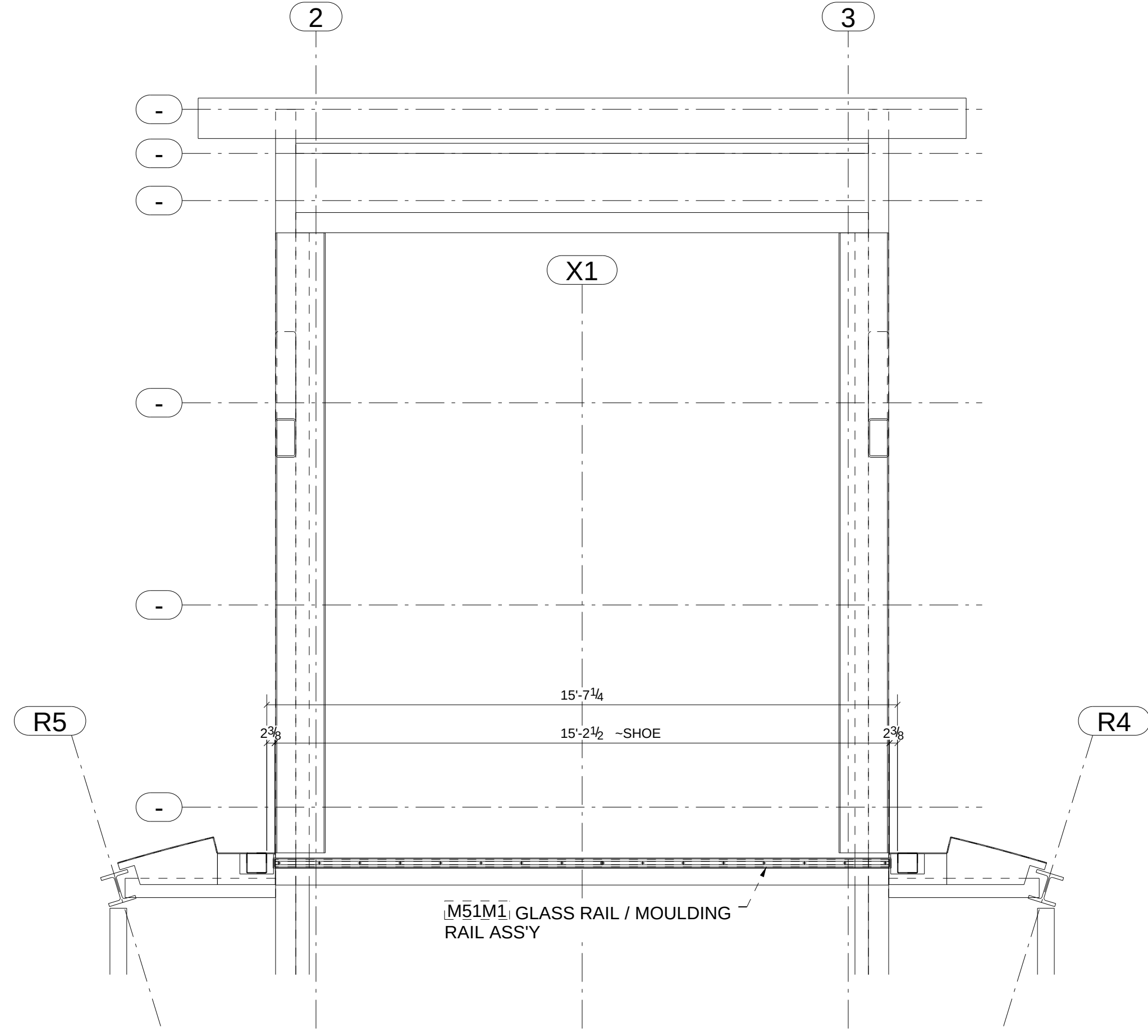
A		For Approval w/ Corrected Configuration		10/23/09		T/Mc					
REV.		DESCRIPTION				DATE		DWN		CHK	
GENERAL NOTES						JOB USE					
MATERIAL: A992		ELECTRODES: E70xx LH			REF. DRG.		SHOP				
HOLES: 13/16 DIA. U/N		CONN'S: 3/4"Ø A325-N-ST									
SURFACE PREP: AND PAINT:						APPROVAL					
PER SPECS											
1 S/C STD. PRIMER											
DESCRIPTION: ENTRYWAY RAILINGS REF: A-310; A2 & A5											
PROJ. NAME		UNC BIOTECH CENTER						DRAWN BY		T/MAC	
LOCATION		RESEARCH TRIANGLE PARK						DATE		10/23/2009	
								CHKD. BY			
CONTRACTOR STEEL FAB				ARCH/ENG.		PERKINS + WILL		DATE			
		C.M. STEEL, INC.						JOB NO.		t25223	
		8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626						DRG. NO.		REV.	
								ME-40		A	



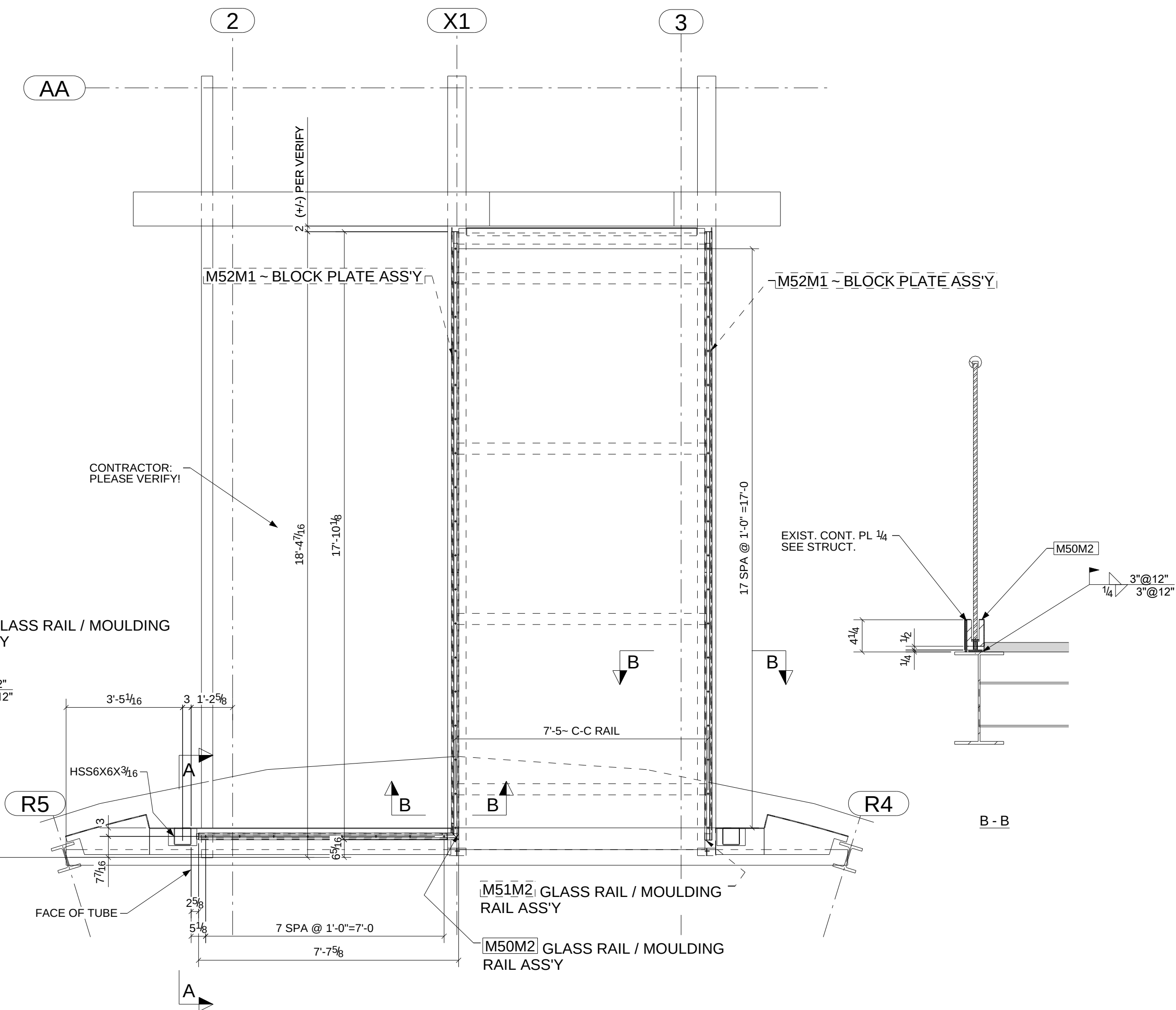
SECTION @ CONNECTOR BRIDGE LOOKING SOUTH



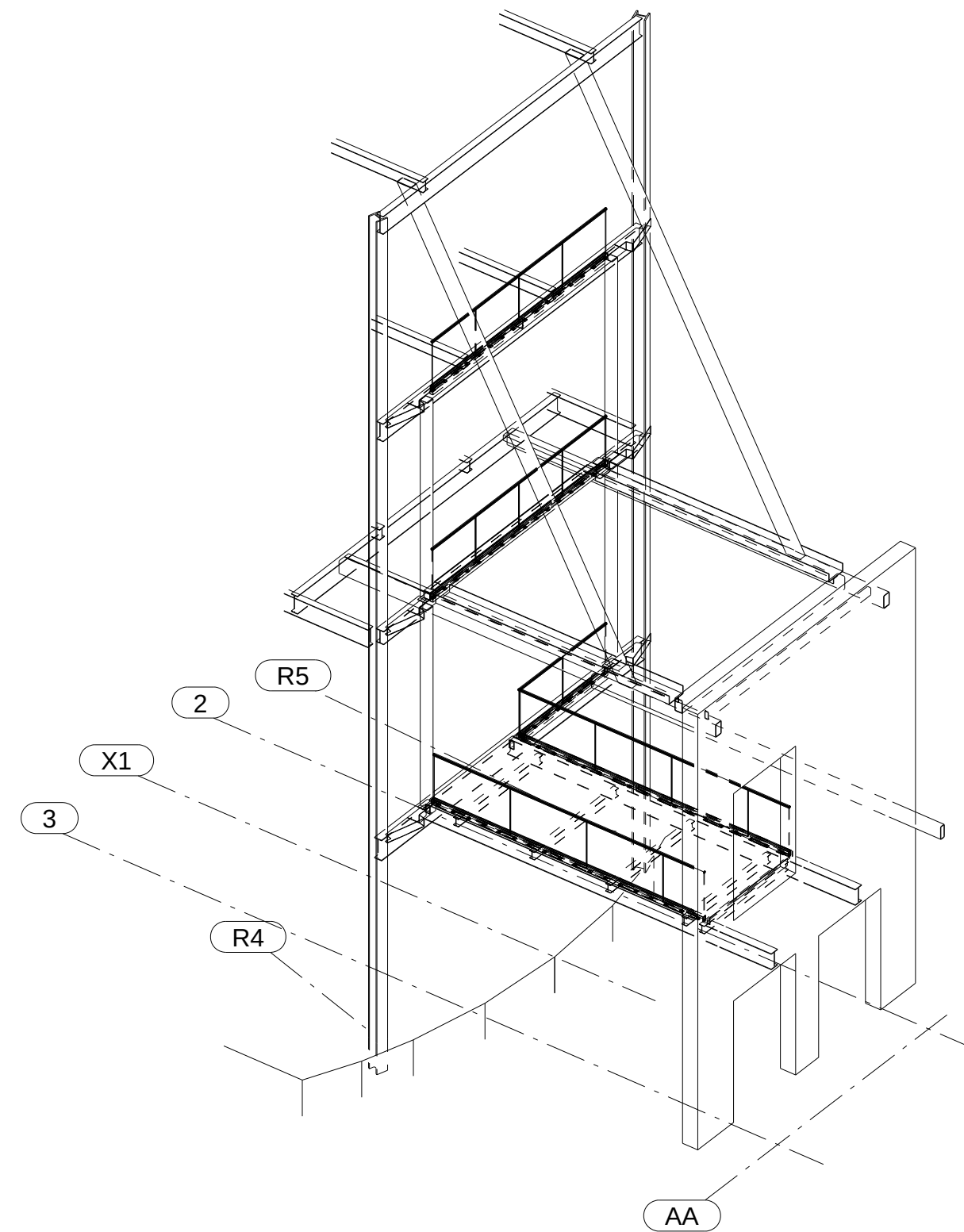
PLAN - GLASS RAIL @ 3RD FLR. EL. 26'-1-3/4



PLAN - GLASS RAIL @ 4RD FLR. EL. 39'-5-3/4

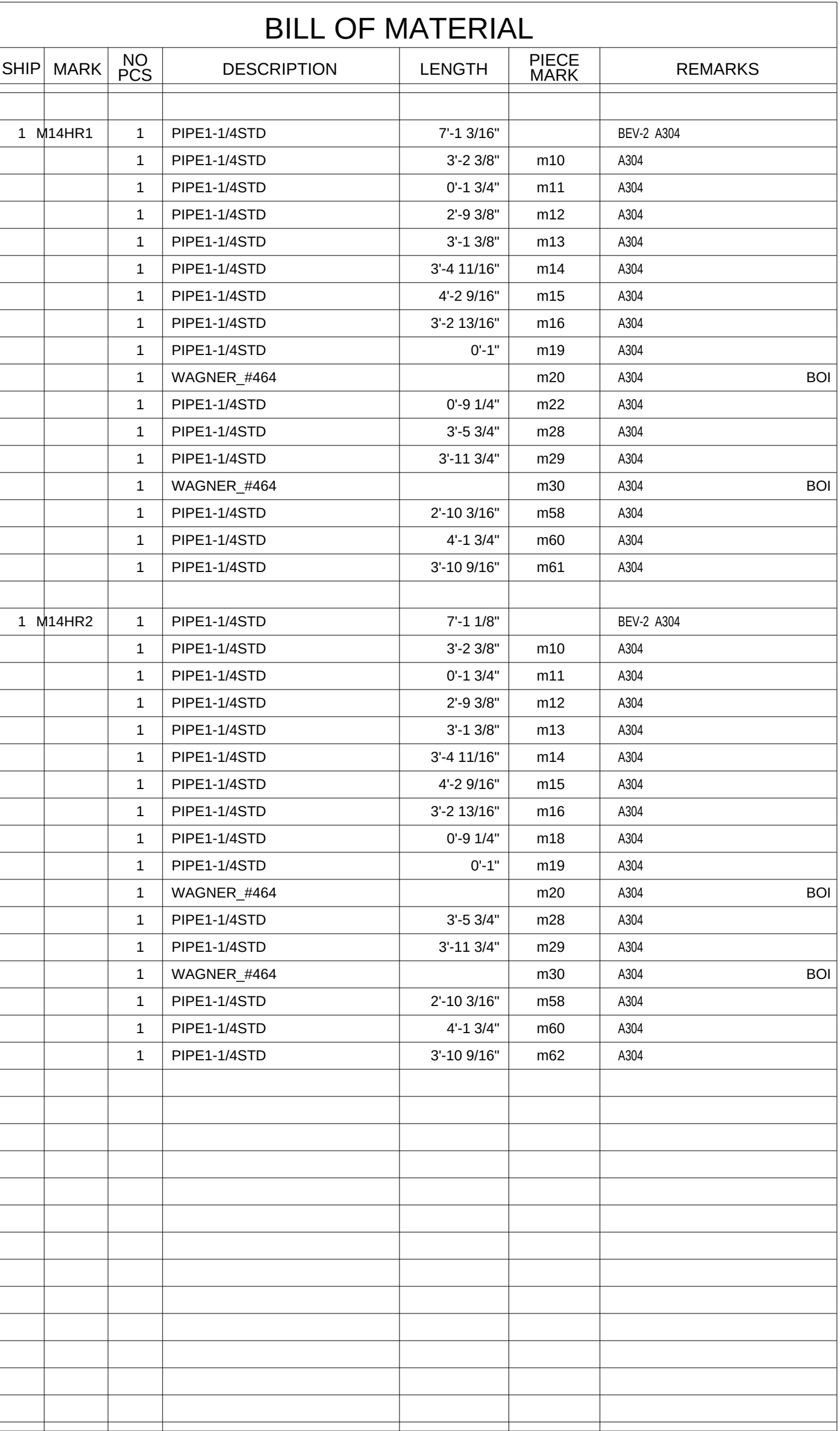


PLAN - GLASS RAIL @ 2ND FLR. BRIDGE 201 - EL. 12'-9 3/4



G/A - GLASS RAIL @ 2ND FLR. BRIDGE, & 3RD & 4TH FLOORS

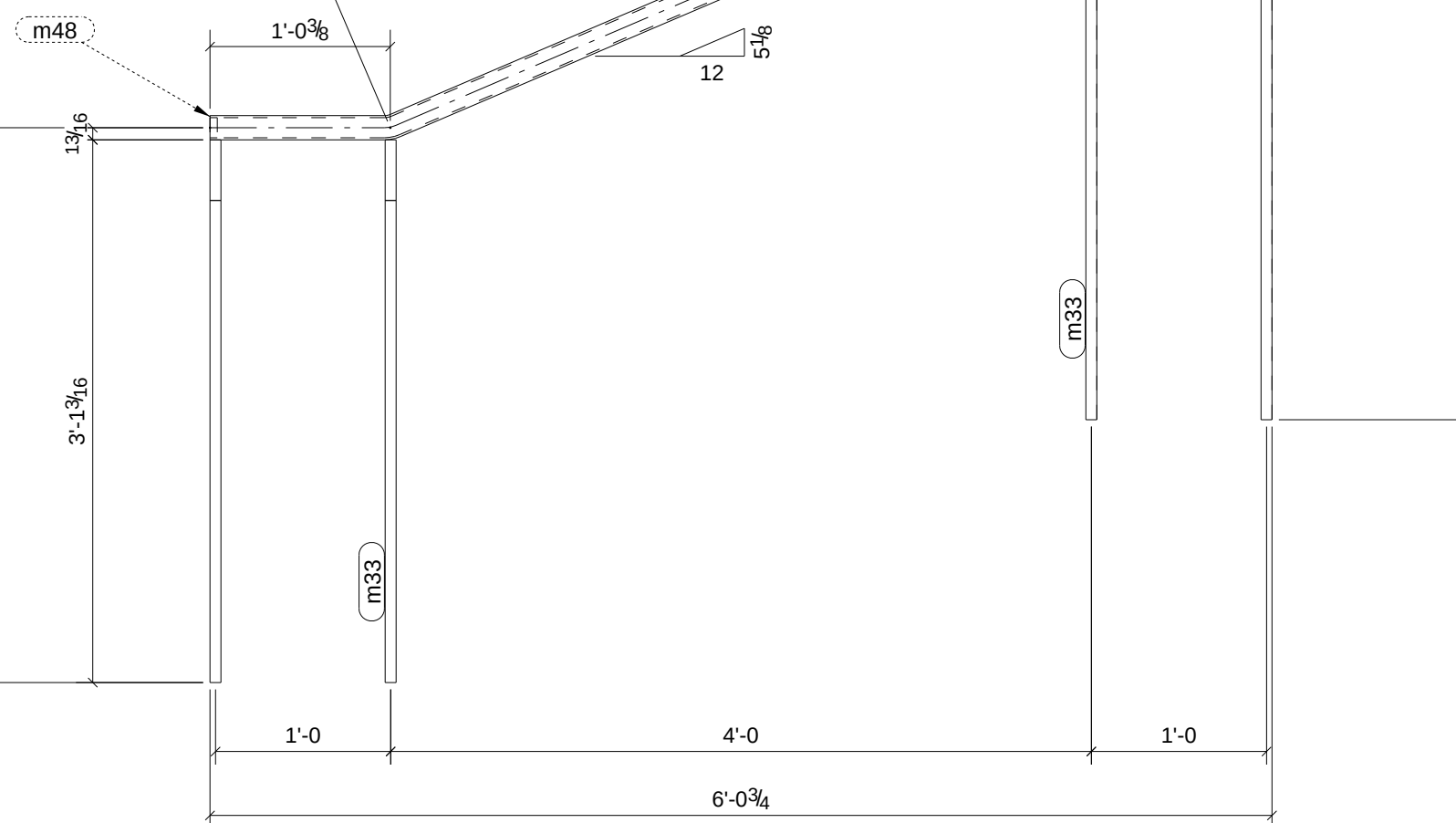
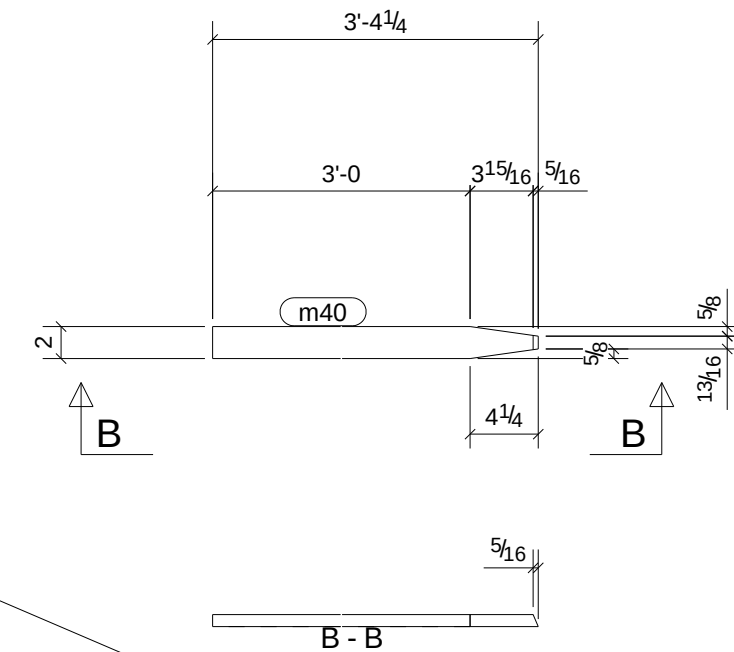
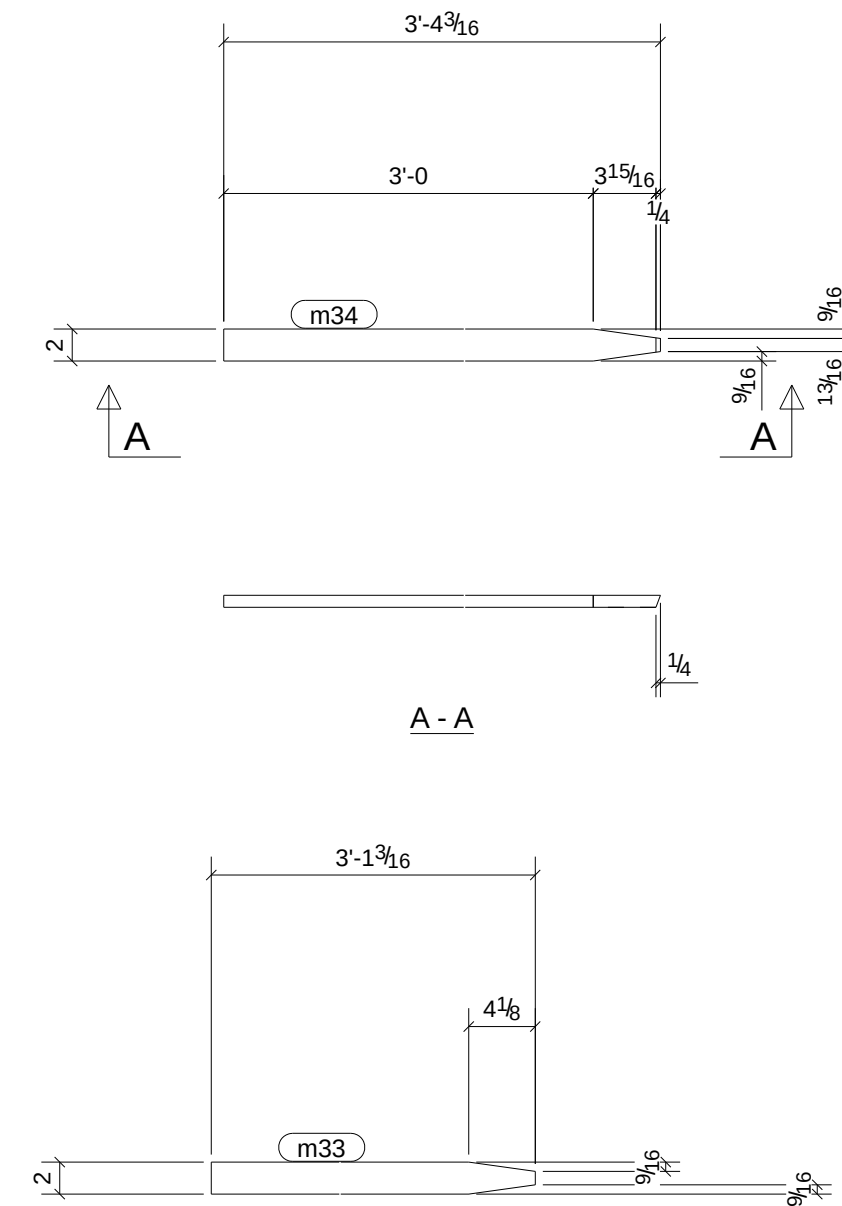
A	For Approval	10/27/09	TMc	MT
REV.	DESCRIPTION	DATE	DWN	CHK
GENERAL NOTES				
MATERIAL: A992		ELECTRODES: E70xx LH	REF. DRG.	JOB USE
HOLES: 13/16 DIA. UN		CONNYS: 3/4" A325-N-ST		SHOP
SURFACE PREP. AND PAINT:				APPROVAL
PER SPECS				
1 S/C STD. PRIMER				
DESCRIPTION: PLANS - GLASS RAILS @ 2ND, 3RD & 4TH FLRS				
PROJ. NAME		UNC BIOTECH CENTER		DRAWN BY
LOCATION		RESEARCH TRIANGLE PARK		DATE
CONTRACTOR STEEL FAB		ARCH/ENG. PERKINS + WILL		CHKD. BY
C.M. STEEL, INC.		8629 OLD DOWD ROAD		DATE
CHARLOTTE/NC 28219		704-394-6626		JOB No.
				REV.
				ME-50
				A



- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) $\frac{1}{4}$ " EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS $\frac{3}{16}$ " FILLETS OR BUTT WELDS, UNLESS NOTED.

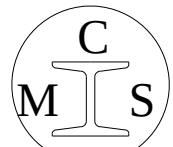
GENERAL NOTES

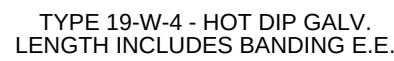
B		For Approval w/ Corrected Configuration		10/23/09		TMC	
A		For Approval		9/14/09		TMC	
REV.		DESCRIPTION		DATE		CHK	
GENERAL NOTES				JOB USE			
				SHOP			
				APPROVAL			
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.			
HOLES: 1/316 DIA. UNF		CONNYS: 3/4"Ø A325-N-ST					
SURFACE PREP:							
AND PAINT:							
PER SPECS							
1 S/C STD. PRIMER							
DESCRIPTION: RAIL ASSEMBLY ~ SA1							
PROJ. NAME UNC BIOTECH CENTER						DRAWN BY TMAC	
LOCATION RESEARCH TRIANGLE PARK						DATE 09/13/2009	
CONTRACTOR STEEL FAB ARCH/ENG. PERKINS + WILL						CHKD. BY	
						DATE	
						JOB NO. t25223	
						DRG. NO. M14 REV. B	
							
C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626							

[illegible]

- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) 1¼" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS 3/16" FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

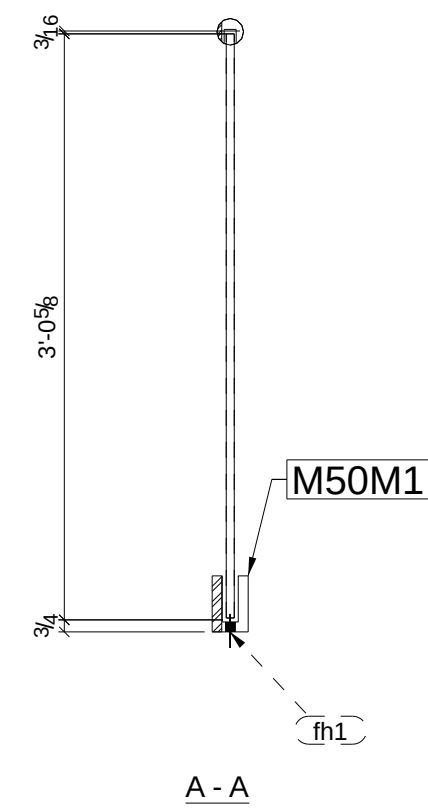
A	For Approval			10/14/09	TMC	10-14
REV.	DESCRIPTION			DATE	DWN	CHK
GENERAL NOTES				JOB USE		
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.		
HOLES: 13/16 DIA. U/N		CONV'S: 3/4"Ø A325-N-ST		SHOP		
SURFACE PREP. AND PAINT:				APPROVAL		
PER SPECS 1 S/C STD. PRIMER						
DESCRIPTION: SHOP DETAILS RAIL @ EXTERIOR CONC. STEPS						
PROJ. NAME		UNC BIOTECH CENTER				DRAWN BY TMAC
LOCATION		RESEARCH TRIANGLE PARK				DATE 10/13/2009
CONTRACTOR STEEL FAB		ARCH./ENG. PERKINS + WILL				CHKD. BY
		C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626				DATE
						JOB NO. 125223
						DRG. NO. M20
						REV. A



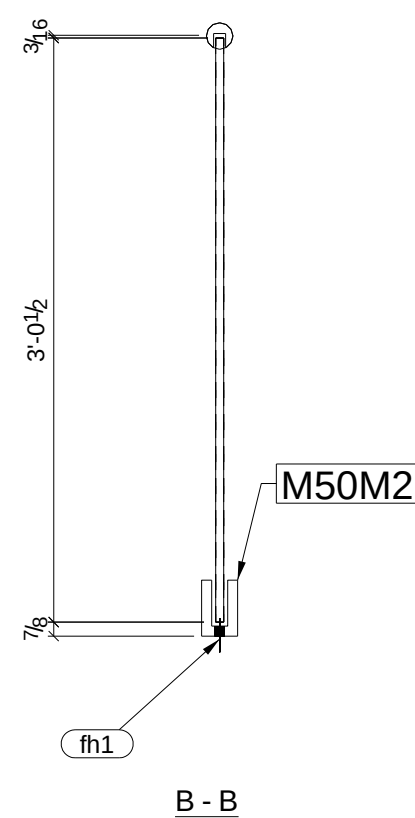
- 5) WORK STEEL THIS DRAWING WITH GATHER DETAIL SHEETS
- 4) 1¼" EDGE DISTANCE U.N..
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) GRIND ALL ROUGH EDGES SMOOTH.
- 1) ALL WELDS ⅜" FILLETS OR BUTT WELDS, UNLESS NOTED.

GENERAL NOTES

For Approval		10/20/09		TMC	
REV.	DESCRIPTION			DATE	DWN
GENERAL NOTES					
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.	
HOLES: 13 1/16 DIA. UIN		CONNS: 3/4"Ø A325-N ST		JOB USE	
SURFACE PREP. AND PAINT:				SHOP	
PER SPECS 1 S/C STD. PRIMER				APPROVAL	
DESCRIPTION: ELEVATOR PIT MISC. STEEL					
PROJ. NAME UNC BIOTECH CENTER				DRAWN BY	
LOCATION RESEARCH TRIANGLE PARK				DATE 10/20/2009	
CONTRACTOR STEEL FAB ARCH./ENG. PERKINS + WILL				CHKD. BY	
 C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626				DATE	
				JOB NO. 125223	
				DRG. NO. M31	
				REV. A	



1 ~ GLASS RAIL / MOULDING ~ M50M1



1 ~ GLASS RAIL / MOULDING ~ M50M2

4)	COAT ALL ALUMINUM SURFACES IN CONTACT WITH BITUMINUS SEALING
5)	FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
6)	ALL BUY OUT ITEMS (BOI) ARE R.B. WAGNER UNLESS NOTED OTHERWISE.
7)	GLASS INFORMATION IS FOR APPROVAL REFERENCE ~ PROVIDER TO VERIFY ALL GLASS INFORMATION FROM BUY OUT ITEM COMPONENTS.

<u>GENERAL NOTES</u>				
A	For Approval	10/27/09	TMC	MT
REV.	DESCRIPTION	DATE	DWN	CHK
GENERAL NOTES		JOB USE		
MATERIAL: A992	ELECTRODES: E70xx LH	REF. DRG.		
HOLES: 13/16 DIA. U/N	CONVS: 3/4"Ø 3AS-N-ST			
SURFACE PREP: AND PAINT:		SHOP		
PER SPECS 1 S/C STD. PRIMER		APPROVAL		

GLASS RAIL DETAILS		
PROJ. NAME:	UNC BIOTECH CENTER	DRAWN BY
LOCATION	RESEARCH TRIANGLE PARK	DATE
		10/28/2009
CONTRACTOR STEEL FAB	ARCH./ENG. PERKINS + WILL	CHKD. BY
		DATE



C.M. STEEL, INC.

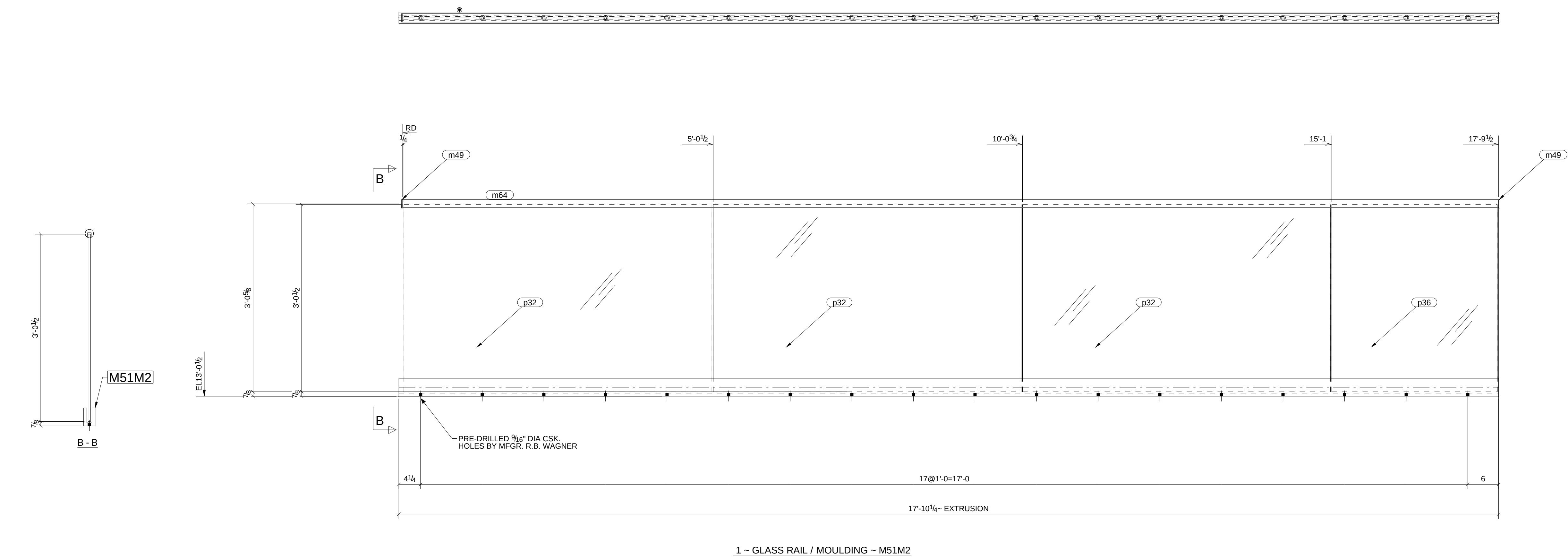
8629 OLD DOWD ROAD
CHARLOTTE/NC 28219
704-394-6626



JOB NO.
t25223

DRG. No.
M50

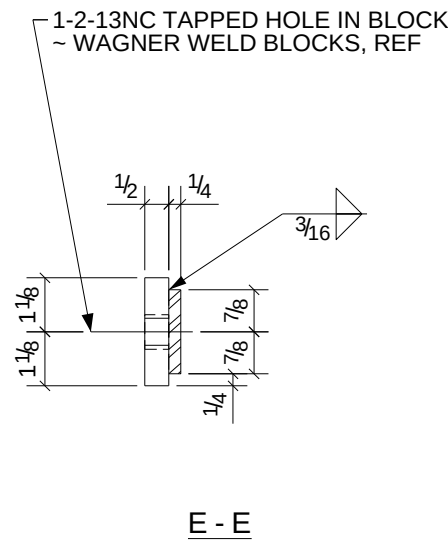
REV. A

[illegible]

- 4) COAT ALL ALUMINUM SURFACES IN CONTACT WITH DIS-SIMILAR MATERIAL W/ BITUMINUS COATING
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) ALL BUY OUT ITEMS (BOI) ARE R.B. WAGNER UNLESS NOTED OTHERWISE.
- 1) GLASS INFORMATION IS FOR APPROVAL REFERENCE ~ PROVIDER TO VERIFY ALL GLASS INFORMATION FROM BUY OUT ITEM COMPONENTS.

GENERAL NOTES

For Approval		10/27/09		TMC		MT	
REV.	DESCRIPTION			DATE	DWN	CHK	
GENERAL NOTES MATERIAL: A992 ELECTRODES: E70xx LH REF. DRG. HOLES: 13/16 DIA. UIN CONN'S: 3/4"Ø A325-N-ST				JOB USE			
				SHOP			
				APPROVAL			
SURFACE PREP: AND PAINT:							
PER SPECS							
1 S/C STD. PRIMER							
DESCRIPTION: GLASS RAIL DETAILS							
PROJ. NAME				UNC BIOTECH CENTER		DRAWN BY	
LOCATION				RESEARCH TRIANGLE PARK		DATE	
						10/28/2009	
CONTRACTOR STEEL FAB				ARCH./ENG. PERKINS + WILL		CHKD. BY	
 C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626						DATE	
						JOB NO.	
						t25223	
						DRG. NO.	
						M51	
REV.							
A							



Elevation view of a steel beam with 15 panels. The beam is labeled HSS3X2X $\frac{1}{4}$ x 15'-3 $\frac{1}{2}$ ". The top flange has a thickness of 1 $\frac{3}{8}$ ". The web has a thickness of $\frac{1}{4}$ ". The bottom flange has a thickness of 1 $\frac{3}{8}$ ". The beam is supported by a concrete foundation. The elevation shows 15 panels, each 1'-0" wide. The total length is 15'-0".

2

$\frac{1}{2}$

$\frac{1}{2}$

$\frac{1}{2}$

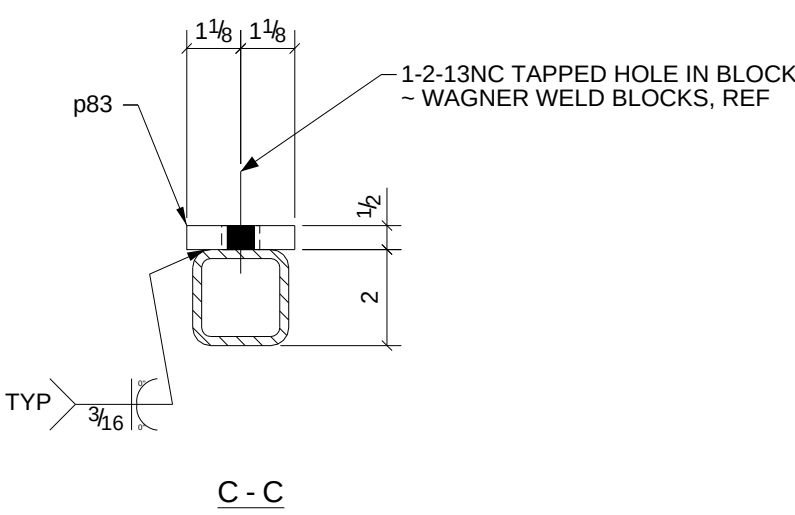
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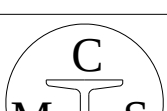
1-1/2-13NC TAPPED HOLE IN BLOCK
- WAGNER WELD BLOCKS, REF

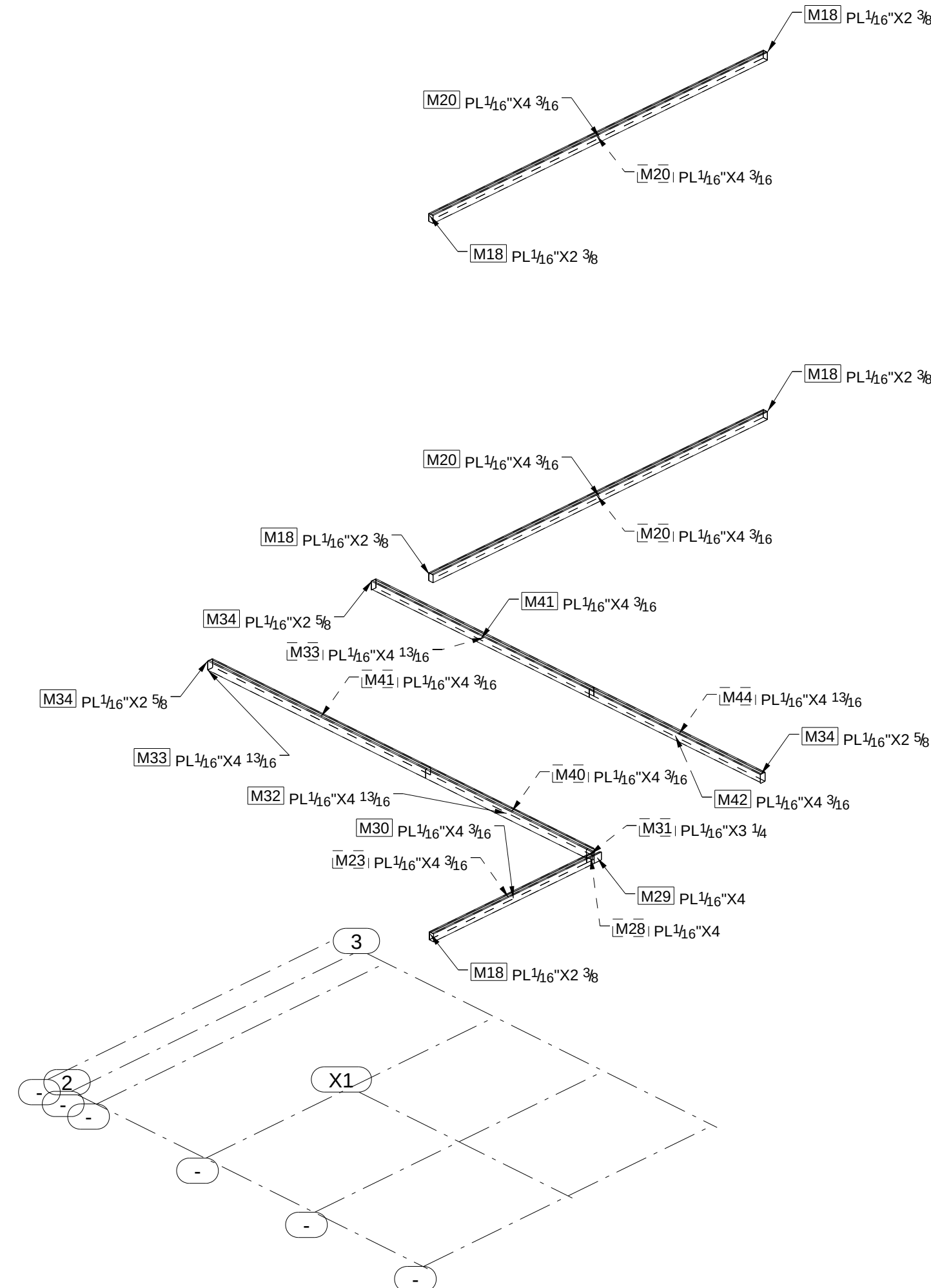
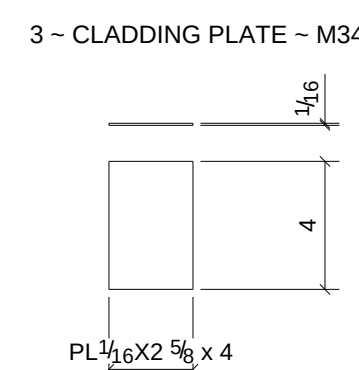
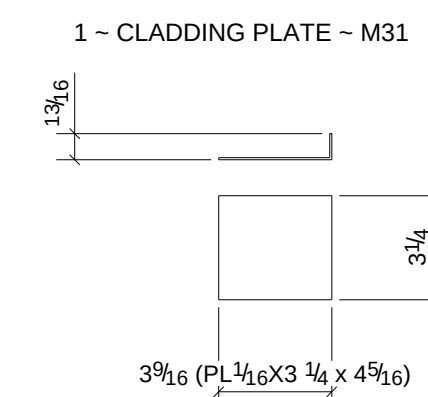
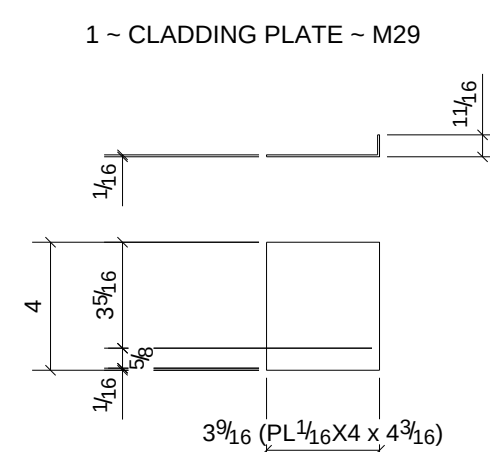
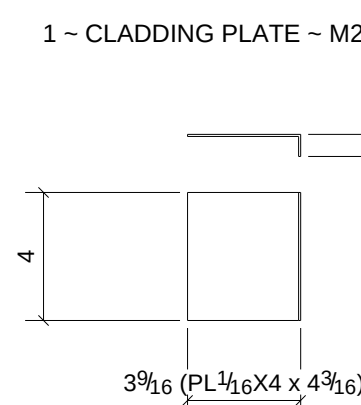
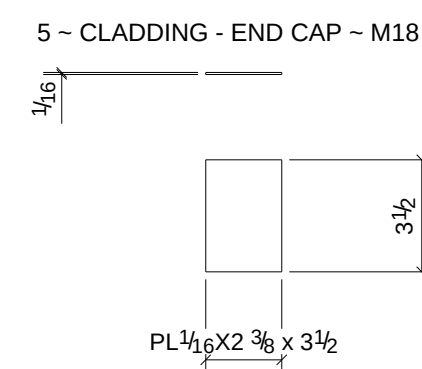
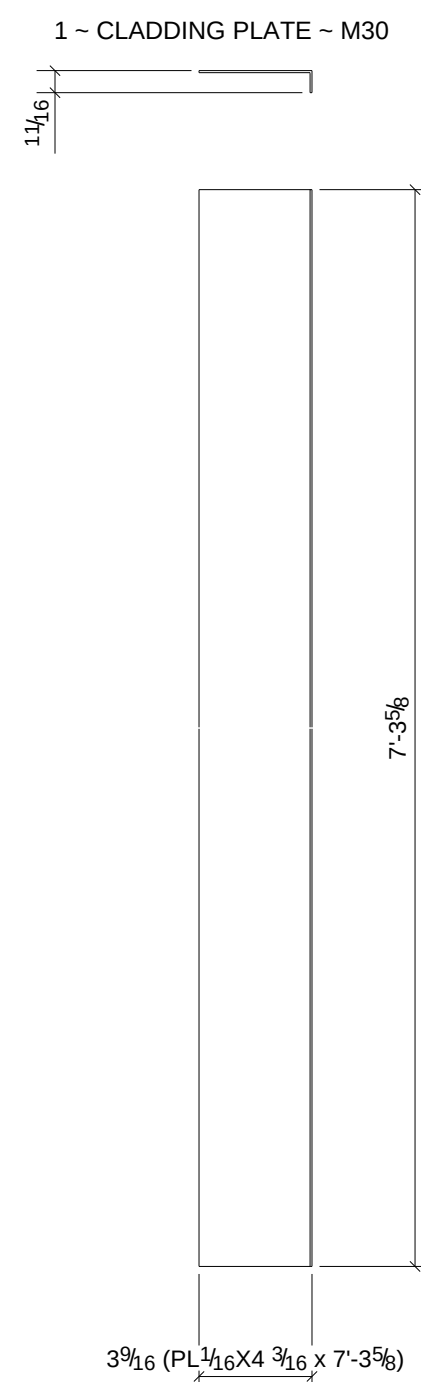
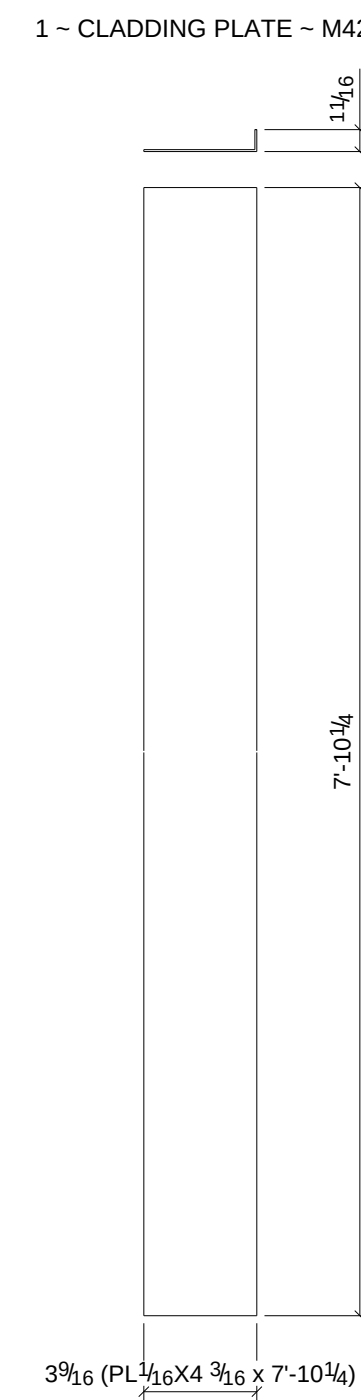
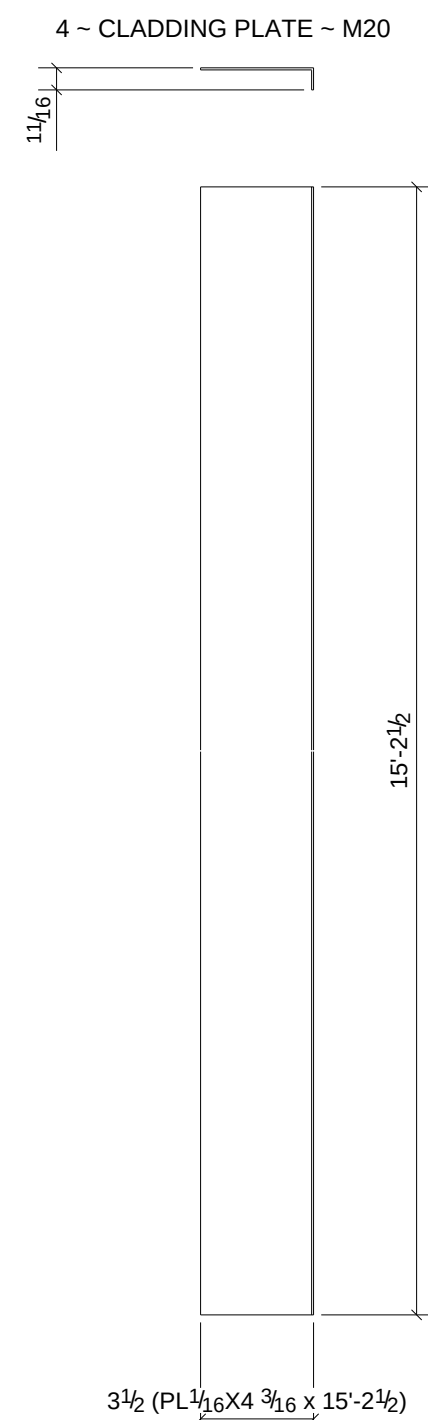
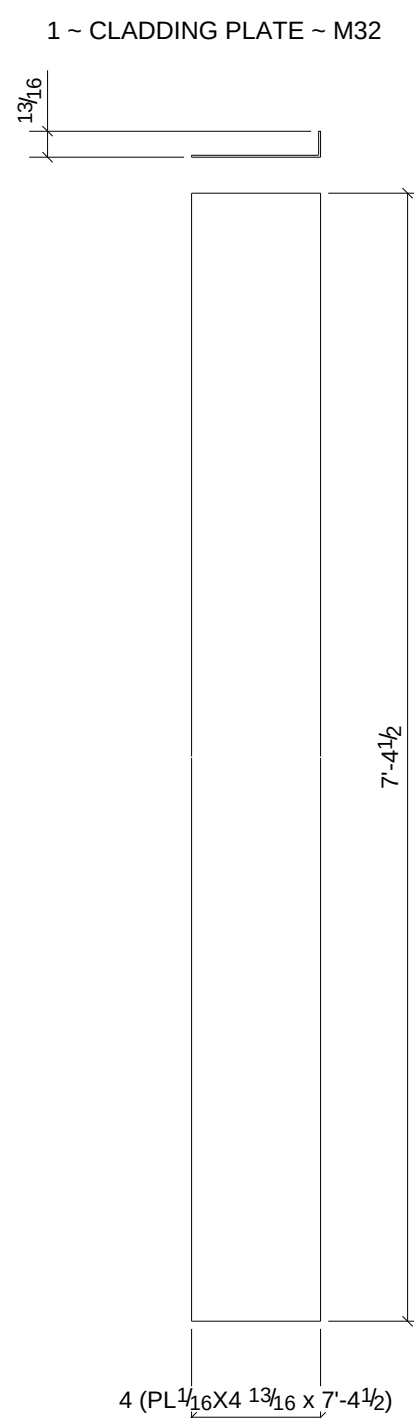
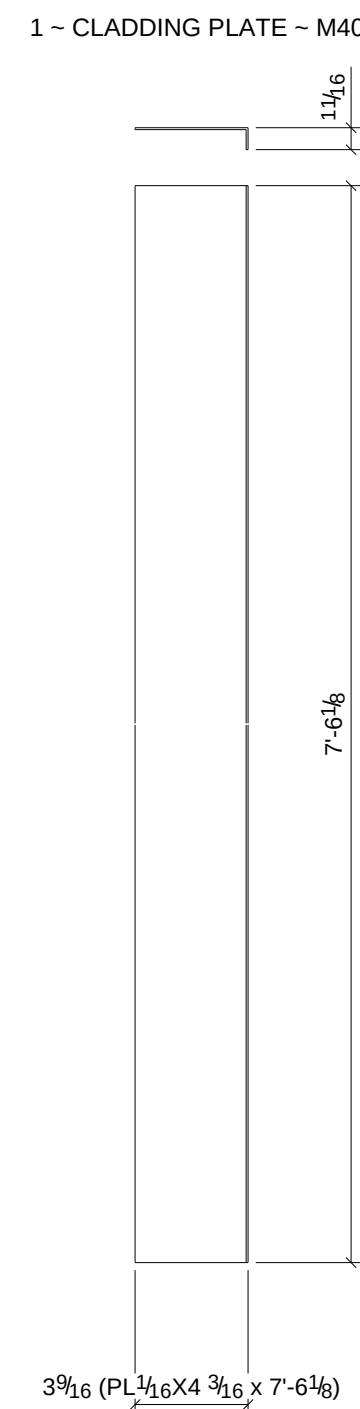
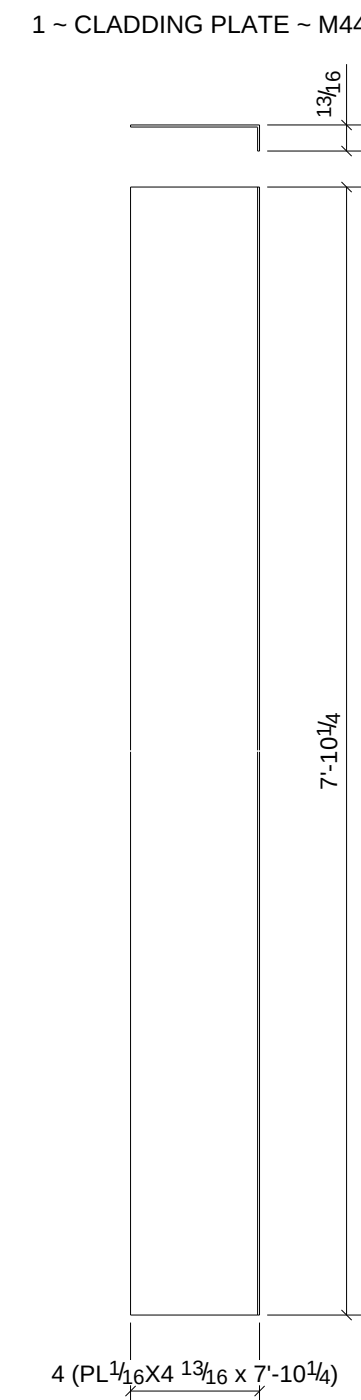
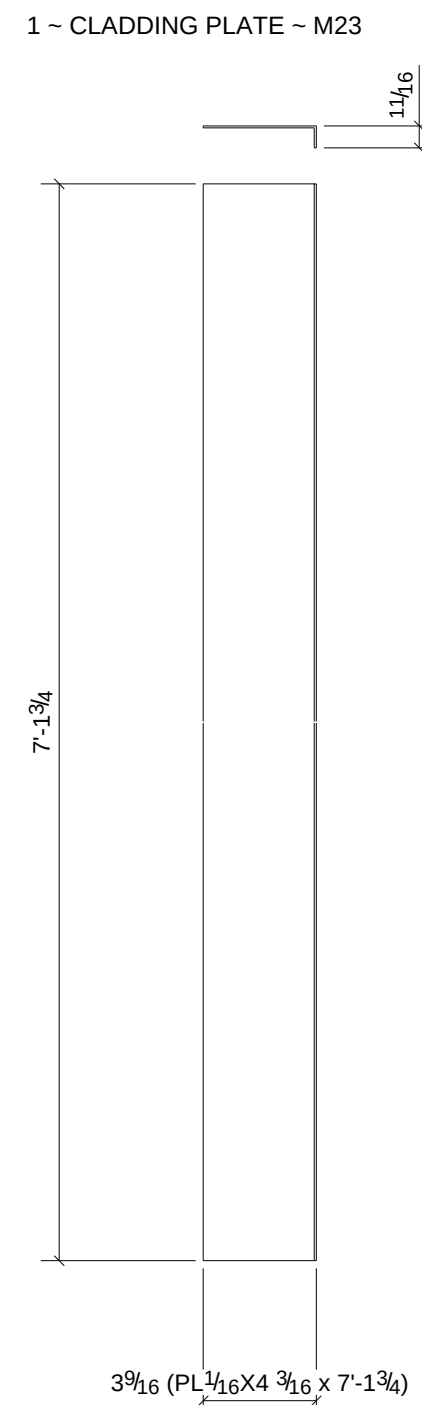
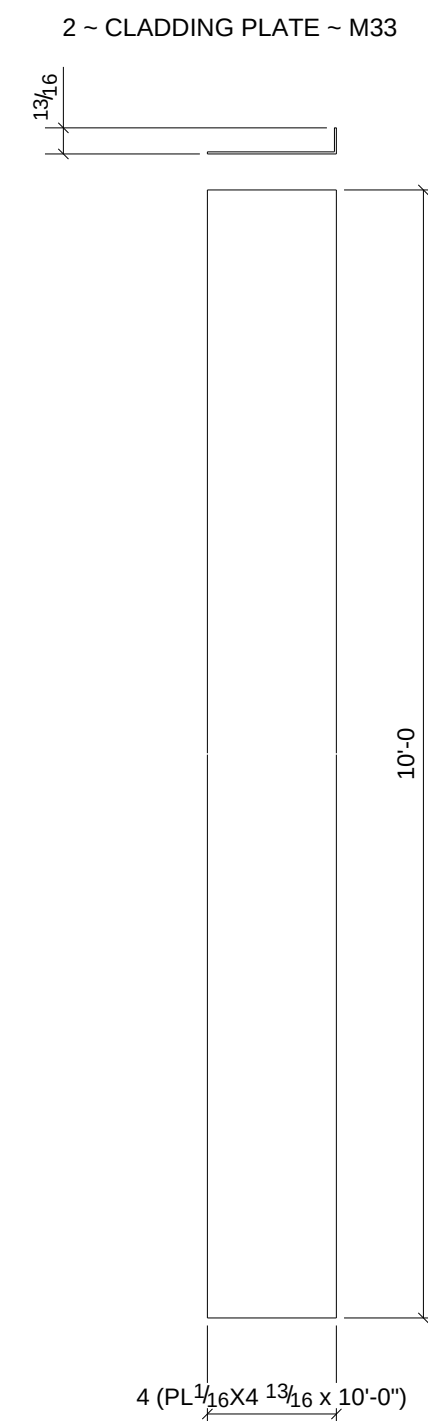
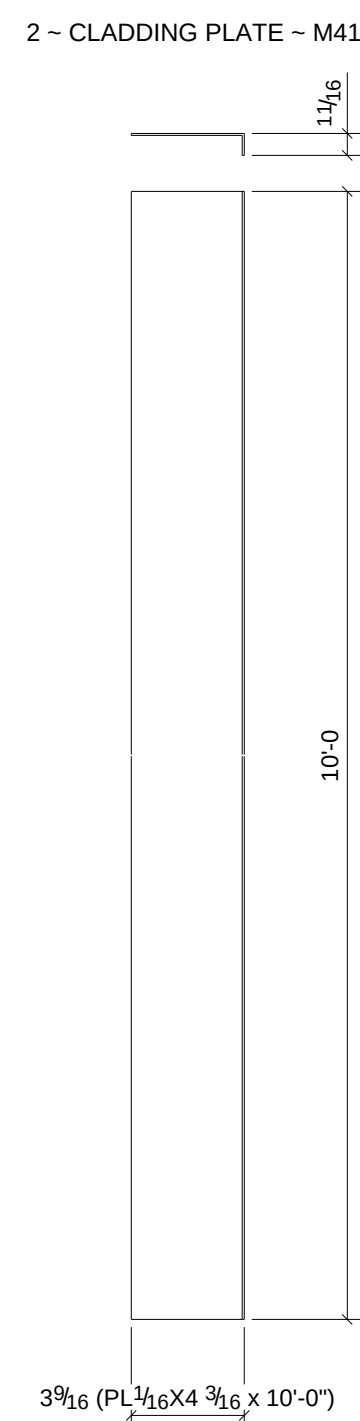
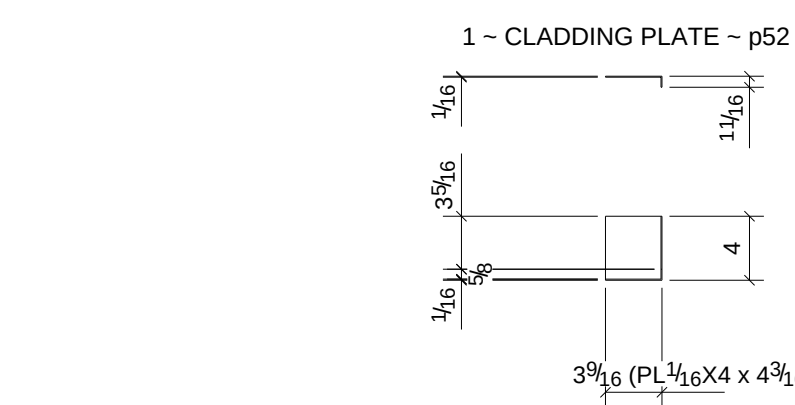
GR150WB
p83

TYP $\frac{3}{16}$

A - A

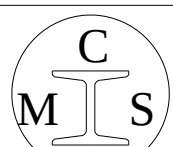
[illegible]

For Approval		10/27/09		TMC		MT	
REV.	DESCRIPTION			DATE	DWN	CHK	
GENERAL NOTES MATERIAL: A992 ELECTRODES: E70xx LH REF. DRG. HOLES: 13/16" DIA. U/N CONN'S: 3/4"Ø A25-N-ST				JOB USE			
				SHOP			
				APPROVAL			
SURFACE PREP: AND PAINT:							
PER SPECS 1 S/C STD. PRIMER							
DESCRIPTION: GLASS RAIL DETAILS-WELD BLOCKS							
PROJ. NAME UNC BIOTECH CENTER LOCATION RESEARCH TRIANGLE PARK				DRAWN BY DATE 10/28/2009 CHKD. BY			
CONTRACTOR STEEL FAB				ARCH./ENG. PERKINS + WILL			
		C.M. STEEL, INC. 8629 OLD DOWD ROAD CHARLOTTE/NC 28219 704-394-6626				DATE JOB NO. t25223 DRG. NO. M52 REV. A	

[illegible]

- 4) COAT ALL ALUMINUM SURFACES IN CONTACT WITH DIS-SIMILAR MATERIAL W/ BITUMINUS COATING
- 3) FIELD VERIFY ALL DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION.
- 2) ALL BUY OUT ITEMS (BOI) ARE R.B. WAGNER UNLESS NOTED OTHERWISE.
- 1) GLASS INFORMATION IS FOR APPROVAL REFERENCE ~ PROVIDER TO VERIFY ALL GLASS INFORMATION FROM BUY OUT ITEM COMPONENTS.

GENERAL NOTES

For Approval		10/27/09		TMC		MT	
REV.	DESCRIPTION			DATE	DWN	CHK	
GENERAL NOTES							
MATERIAL: A992		ELECTRODES: E70xx LH		REF. DRG.		JOB USE	
HOLES: 13/16 DIA. UN		CONNS: 3/4"Ø A325-N-ST				SHOP	
SURFACE PREP.							
AND PAINT:				APPROVAL			
PER SPECS							
1 S/C STD. PRIMER							
DESCRIPTION: GLASS RAIL DETAILS-CLADDING							
PROJ. NAME UNC BIOTECH CENTER				DRAWN BY			
LOCATION RESEARCH TRIANGLE PARK				DATE 10/29/2009			
CONTRACTOR STEEL FAB				CHKD: BY			
ARCH./ENG. PERKINS & WILL				DATE			
 C.M. STEEL, INC. 8629 OLD DOORD ROAD CHARLOTTE/NC 28219 704-394-6626							
				JOB NO. 125223			
				DRG. NO. M53			
				REV. A			