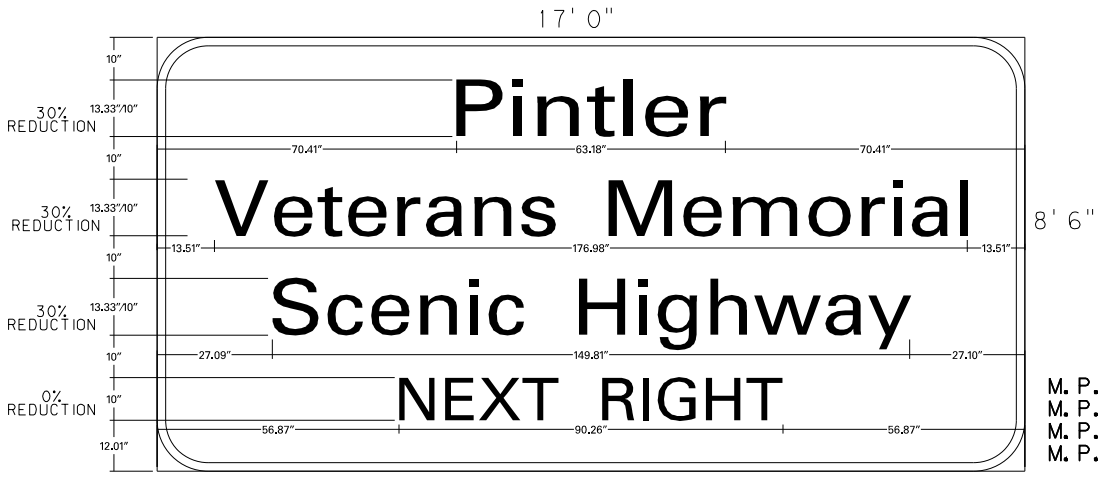
c: \ dgn\ SignPlotTmp. dgn
SHEET 1
MONTANA CADD
12: 54: 26 PM
7/28/2011
u4044

SIGN DESIGN CALCULATIONS

MONTANA DEPARTMENT OF TRANSPORTATION

PROJ. NO. PINTLER
PROJ. TITLE VETERANS MEMORIAL SCENIC HIGHWAY



NOTE:
M. P. 151.90 EB
M. P. 154.42 WB
M. P. 205.63 EB
M. P. 207.05 WB

LINE 1			LINE 2			LINE 3			LINE 4			SPEC'S
LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	SIGN NO. G30-15
P	13.25	13.3"	V	13.70	13.3"	S	12.81	13.3"	N	10.55	10"	STA. See Note
I	6.09	10"	e	10.51	10"	c	10.56	10"	E	9.40		
N	11.13		t	8.73		e	11.39		X	9.96		PANEL MAT'L ALUM INCR
T	9.51		e	11.39		n	12.09		T	7.34		
L	5.30		r	7.90		i	5.30			10.00		WIDTH 17' -0"
E	11.39		a	11.96		c	8.38		R	10.55	10"	
R	6.50		n	11.13			9.33		I	4.54		HEIGHT 8' -6"
			s	8.50		H	14.51	13.3"	G	10.55		
				9.33		i	5.30	10"	H	10.03		AREA 144.5sq'
			M	15.49	13.3"	g	12.09		T	7.34		
			e	11.39	10"	h	11.21					MARGIN
			m	16.92		w	15.05					
			o	11.55		a	11.00					BORDER 2"
			r	8.69		y	10.75					
			i	5.30								CORNER R 12"
			a	11.96								
			l	2.50								LEGEND ☐ REFL. "I" ☒ REFL. "IV" COLOR WHITE
												BACKGROUND ☐ REFL. "I" ☒ REFL. "IV" COLOR BROWN
TOTAL TEMP.	63.18		TOTAL TEMP.	176.98		TOTAL TEMP.	149.81		TOTAL TEMP.	90.26		LETTER SERIES "Emod"
LEFT EDGE	70.41		LEFT EDGE	13.51		LEFT EDGE	27.09		LEFT EDGE	56.87		ARROW SIZE
RIGHT EDGE	70.41		RIGHT EDGE	13.51		RIGHT EDGE	27.10		RIGHT EDGE	56.87		DESIGNED: RDS DATE: 06/11
SIGN WIDTH	204.00		SIGN WIDTH	204.00		SIGN WIDTH	204.00		SIGN WIDTH	204.00		CHECKED: JHC DATE: 07/11

c: \ dgn\ SignPlotTmp. dgn

SHEET 2

MONTANA CADD

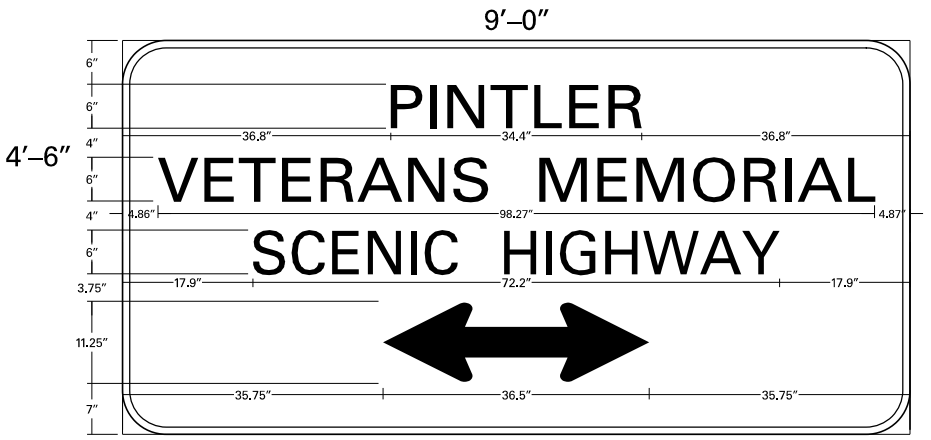
12: 54: 26 PM
7/28/2011
u4044

SIGN DESIGN CALCULATIONS

MONTANA DEPARTMENT OF TRANSPORTATION

PROJ. NO. PINTLER

PROJ. TITLE VETERANS MEMORIAL SCENIC HIGHWAY



30% REDUCTION

LINE 1			LINE 2			LINE 3			LINE 4			SPEC'S
LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	SIGN NO. G348-0
P	5.87	6"	V	6.31	6"	S	5.65	6"	⟷	36.50"	11.25"	STA. MP 0.242 S-348 WB
I	2.26		e	4.98		c	5.65					
N	5.65		t	5.28		e	5.28					PANEL MAT'L ALUM INCR
T	5.28		e	5.28		n	5.87					
L	5.28		r	5.65		i	2.26					WIDTH 9'-0"
E	5.28		a	6.87		c	4.78					
R	4.78		n	5.87			4.20					HEIGHT 4'-6"
			s	4.78		H	5.87	6"				
				4.20		i	2.26					AREA 40.5sq'
			M	6.62	6"	g	5.87					
			e	5.28		h	5.65					MARGIN
			m	6.62		w	6.57					
			e	5.28		a	6.29					BORDER 1"
			o	6.06		y	6.00					
			r	5.87								CORNER R 6"
			i	2.04								
			a	6.87								LEGEND ☐ REFL. "I" ☒ REFL. "IV" COLOR WHITE
			l	4.41								
												BACKGROUND ☐ REFL. "I" ☒ REFL. "IV" COLOR BROWN
TOTAL TEMP.	34.40		TOTAL TEMP.	98.27		TOTAL TEMP.	72.20		TOTAL TEMP.	36.50		LETTER SERIES "Emod"
LEFT EDGE	36.80		LEFT EDGE	4.86		LEFT EDGE	17.90		LEFT EDGE	35.75		ARROW SIZE 36.5x11.25
RIGHT EDGE	36.80		RIGHT EDGE	4.87		RIGHT EDGE	17.90		RIGHT EDGE	35.75		DESIGNED: RDS DATE: 16/11
SIGN WIDTH	108.00		SIGN WIDTH	108.00		SIGN WIDTH	108.00		SIGN WIDTH	108.00		CHECKED: JHC DATE: 07/11

c: \ dgn\ SignPlotTmp. dgn

SHEET 3

MONTANA CADD

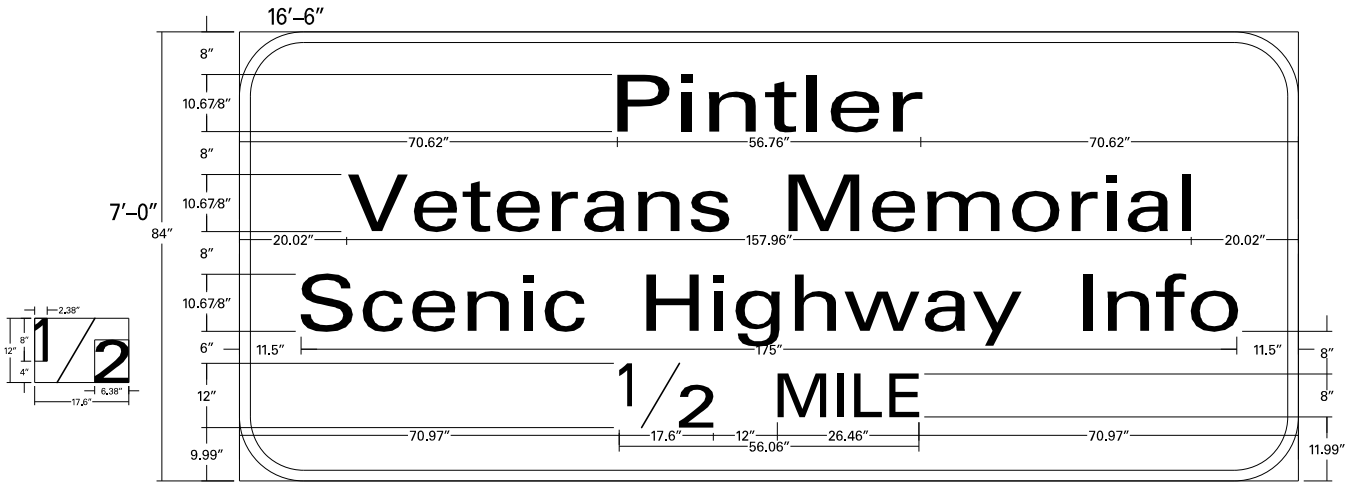
12: 54: 27 PM
7/28/2011
u4044

SIGN DESIGN CALCULATIONS

MONTANA DEPARTMENT OF TRANSPORTATION

PROJ. NO. PINTLER

PROJ. TITLE VETERANS MEMORIAL SCENIC HIGHWAY



LINE 1			LINE 2			LINE 3			LINE 4			SPEC'S
LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	SIGN NO. IS13-6
P	11.50	10.67	V	11.63	10.67	S	11.00	10.67	1/2	17.60	12.00	STA.
I	6.13	8"	e	9.00	8"	c	9.25	8"		12.00		MP 210.9 W
N	9.75		t	7.88		e	10.13		M	9.43		PANEL MAT'L
T	8.75		e	10.13		n	10.88		I	3.62		ALUM INCR
L	5.25		r	6.88		i	5.25		L	7.53		WIDTH
E	10.13		a	10.88		c	6.75		E	5.88		16'-6"
R	5.25		n	9.75			10.67					HEIGHT
			s	6.75		H	13.00	10.67				7'-0"
				10.67		i	5.25	8"				AREA
			M	13.63	10.67	g	10.88					115.5sq'
			e	10.13	8"	h	9.88					MARGIN
			m	14.50		w	12.75					
			o	10.25		a	9.75					BORDER 2"
			r	7.75		y	8.63					
			i	5.25			10.67					CORNER R 12"
			a	10.88		l	6.63					
			l	2.00		n	9.88					LEGEND ☐ REFL. "I" ☒ REFL. "IV" COLOR WHITE
						f	6.75					
						o	7.00					
												BACKGROUND ☐ REFL. "I" ☒ REFL. "IV" COLOR BLUE
TOTAL TEMP.	56.76		TOTAL TEMP.	157.96		TOTAL TEMP.	175.00		TOTAL TEMP.	56.06		LETTER SERIES "Emod"
LEFT EDGE	70.62		LEFT EDGE	20.02		LEFT EDGE	11.50		LEFT EDGE	70.97		ARROW SIZE
RIGHT EDGE	70.62		RIGHT EDGE	20.02		RIGHT EDGE	11.50		RIGHT EDGE	70.97		DESIGNED: RDS DATE: 06/11
SIGN WIDTH	198.00		SIGN WIDTH	198.00		SIGN WIDTH	198.00		SIGN WIDTH	198.00		CHECKED: JHC DATE: 07/11

c:\dgn\SignPlotTmp.dgn

SHEET 4

MONTANA CADD

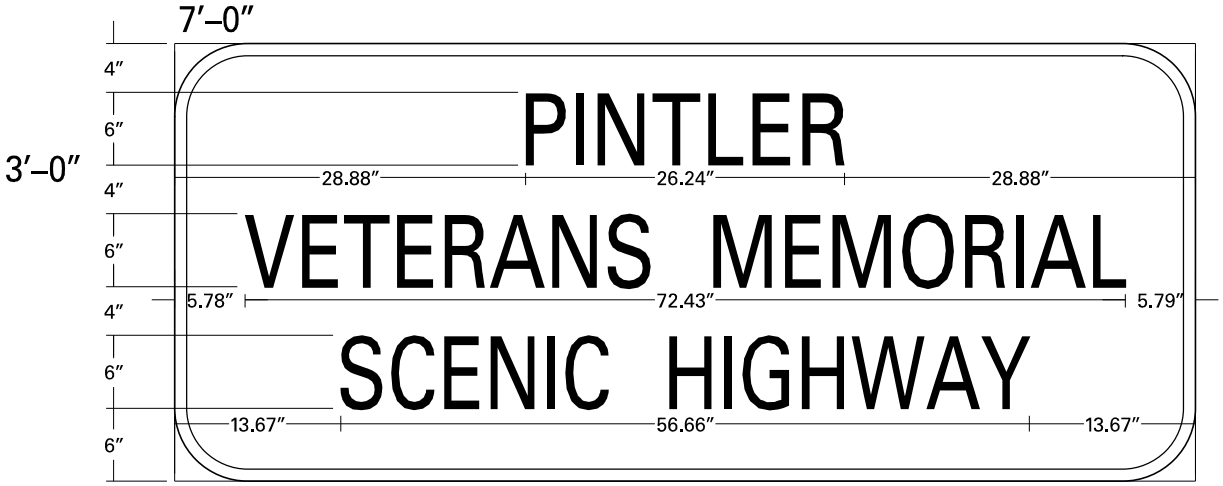
12:54:27 PM
7/28/2011
u4044

SIGN DESIGN CALCULATIONS

MONTANA DEPARTMENT OF TRANSPORTATION

PROJ. NO. PINTLER

PROJ. TITLE VETERANS MEMORIAL SCENIC HIGHWAY



LINE 1			LINE 2			LINE 3			LINE 4			SPEC'S
LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	SIGN NO. G19
P	4.54	6"	V	4.67	6"	S	4.29	6"				STA. See Note
I	2.10		E	3.68		C	4.29					
N	4.29		T	4.01		E	4.01					PANEL MAT'L ALUM INCR
T	4.01		E	4.01		N	4.54					
L	4.01		R	4.29		I	2.10					WIDTH 7'-0"
E	4.01		A	4.76		C	3.28					
R	3.28		N	4.54			6.00					HEIGHT 3'-0"
			S	3.28		H	4.54	6"				
				6.00		I	2.10					AREA 21sq'
			M	5.15	6"	G	4.54					
			E	4.01		H	4.29					MARGIN
			M	5.15		W	4.84					
			O	4.73		A	4.09					BORDER 1"
			R	4.54		Y	3.75					
			I	1.85								CORNER R 6"
			A	4.76								
			L	3.00								LEGEND ☐ REFL. "I" ☒ REFL. "IV" COLOR WHITE
												BACKGROUND ☐ REFL. "I" ☒ REFL. "IV" COLOR BROWN
TOTAL TEMP.	26.24		TOTAL TEMP.	72.43		TOTAL TEMP.	56.66		TOTAL TEMP.			LETTER SERIES "C"
LEFT EDGE	28.88		LEFT EDGE	5.78		LEFT EDGE	13.67		LEFT EDGE			ARROW SIZE
RIGHT EDGE	28.88		RIGHT EDGE	5.79		RIGHT EDGE	13.67		RIGHT EDGE			DESIGNED: RDS DATE: 06/11
SIGN WIDTH	84.00		SIGN WIDTH	84.00		SIGN WIDTH	84.00		SIGN WIDTH			CHECKED: JHC DATE: 07/11

NOTE: P-19
MP 0.330 NB
MP 10.425 NB
MP 26.056 NB
MP 39.422 NB
MP 61.776 SB
MP 35.080 SB
MP 23.359 SB

c:\dgn\SignPlotTmp.dgn

SHEET 5

MONTANA CADD

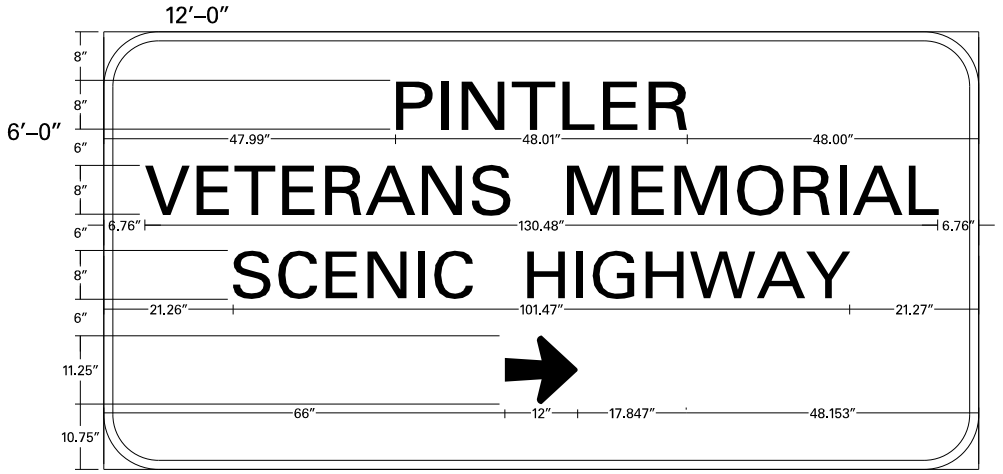
12:54:28 PM
7/28/2011
u4044

SIGN DESIGN CALCULATIONS

MONTANA DEPARTMENT OF TRANSPORTATION

PROJ. NO. PINTLER

PROJ. TITLE VETERANS MEMORIAL SCENIC HIGHWAY



NOTE:
Sta. 0+85 Lt
Sta. 10+50 Rt

10% REDUCTION

LINE 1			LINE 2			LINE 3			LINE 4			SPEC'S
LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	SIGN NO. G30-17
P	8.23	8"	V	8.74	8"	S	7.87	8"	→	12.00	11.25	STA. See Note
I	3.42		E	6.87		C	7.87					
N	7.87		T	7.37		E	7.37					PANEL MAT'L ALUM INCR
T	7.37		E	7.37		N	8.23					
L	7.37		R	7.87		I	3.42					WIDTH 12'-0"
E	7.37		A	9.49		C	6.38					
R	6.38		N	8.23			7.20					HEIGHT 6'-0"
			S	6.38		H	8.23	8"				
				7.20		I	3.42					AREA 72sq'
			M	9.23	8"	G	8.23					
			E	7.37		H	7.87					MARGIN
			M	9.23		W	8.88					
			O	8.47		A	8.50					BORDER 1"
			R	8.23		Y	8.00					
			I	3.06								CORNER R 9"
			A	9.49								
			L	5.88								LEGEND ☐ REFL. "I" ☒ REFL. "IV" COLOR WHITE
												BACKGROUND ☐ REFL. "I" ☒ REFL. "IV" COLOR BROWN
TOTAL TEMP.	48.01		TOTAL TEMP.	130.48		TOTAL TEMP.	101.47		TOTAL TEMP.	12.00		LETTER SERIES "Emod"
LEFT EDGE	47.99		LEFT EDGE	6.76		LEFT EDGE	21.26		LEFT EDGE	66.00		ARROW SIZE 12x11.25
RIGHT EDGE	48.00		RIGHT EDGE	6.76		RIGHT EDGE	21.27		RIGHT EDGE	66.00		DESIGNED: RDS DATE: 06/11
SIGN WIDTH	144.00		SIGN WIDTH	144.00		SIGN WIDTH	144.00		SIGN WIDTH	144.00		CHECKED: JHC DATE: 07/11

c:\dgn\SignPlotTmp.dgn

SHEET 6

MONTANA CADD

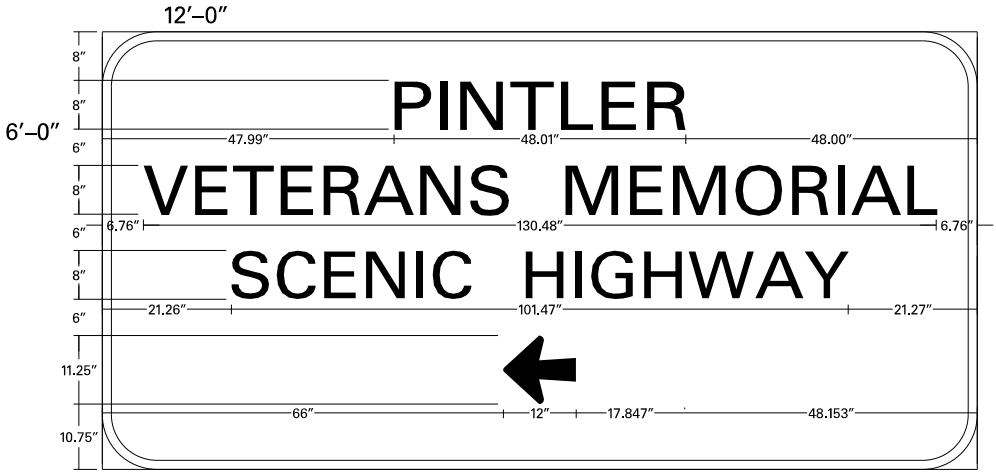
12:54:28 PM
7/28/2011
u4044

SIGN DESIGN CALCULATIONS

MONTANA DEPARTMENT OF TRANSPORTATION

PROJ. NO. PINTLER

PROJ. TITLE VETERANS MEMORIAL SCENIC HIGHWAY



NOTE:
Sta. 14+00 Lt
Sta. 1759+00 Lt

10% REDUCTION

LINE 1			LINE 2			LINE 3			LINE 4			SPEC'S
LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	LEGEND	LETTER WIDTH	LETTER HEIGHT	SIGN NO. G30-18
P	8.23	8"	V	8.74	8"	S	7.87	8"	←	12.00	11.25	STA. See Note
I	3.42		E	6.87		C	7.87					
N	7.87		T	7.37		E	7.37					PANEL MAT'L ALUM INCR
T	7.37		E	7.37		N	8.23					
L	7.37		R	7.87		I	3.42					WIDTH 12'-0"
E	7.37		A	9.49		C	6.38					
R	6.38		N	8.23			7.20					HEIGHT 6'-0"
			S	6.38		H	8.23	8"				
				7.20		I	3.42					AREA 72sq'
			M	9.23	8"	G	8.23					
			E	7.37		H	7.87					MARGIN
			M	9.23		W	8.88					
			O	8.47		A	8.50					BORDER 1"
			R	8.23		Y	8.00					
			I	3.06								CORNER R 9"
			A	9.49								
			L	5.88								LEGEND ☐ REFL. "I" ☒ REFL. "IV" COLOR WHITE
												BACKGROUND ☐ REFL. "I" ☒ REFL. "IV" COLOR BROWN
TOTAL TEMP.	48.01		TOTAL TEMP.	130.48		TOTAL TEMP.	101.47		TOTAL TEMP.	12.00		LETTER SERIES "Emod"
LEFT EDGE	47.99		LEFT EDGE	6.76		LEFT EDGE	21.26		LEFT EDGE	66.00		ARROW SIZE 12x11.25
RIGHT EDGE	48.00		RIGHT EDGE	6.76		RIGHT EDGE	21.27		RIGHT EDGE	66.00		DESIGNED: RDS DATE: 06/11
SIGN WIDTH	144.00		SIGN WIDTH	144.00		SIGN WIDTH	144.00		SIGN WIDTH	144.00		CHECKED: JHC DATE: 07/11