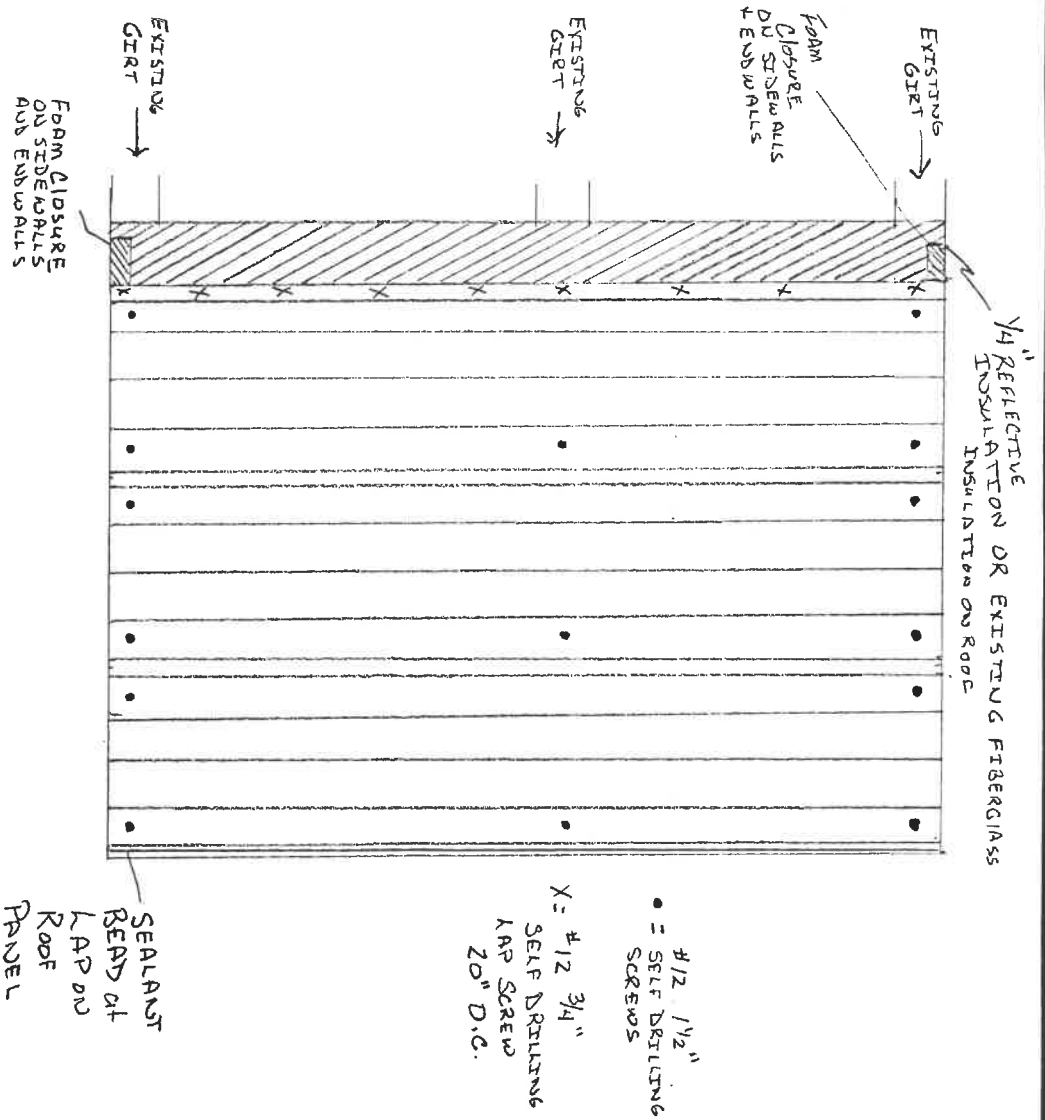


1995 W. Riverwood



McERROY MULTI RIB 26 GA. ROOFING +
SIDEWALL + ENDWALL SIDING SCREW PATTERN

SCALE: NONE

DATE: 8-9-99

APPROVED BY:

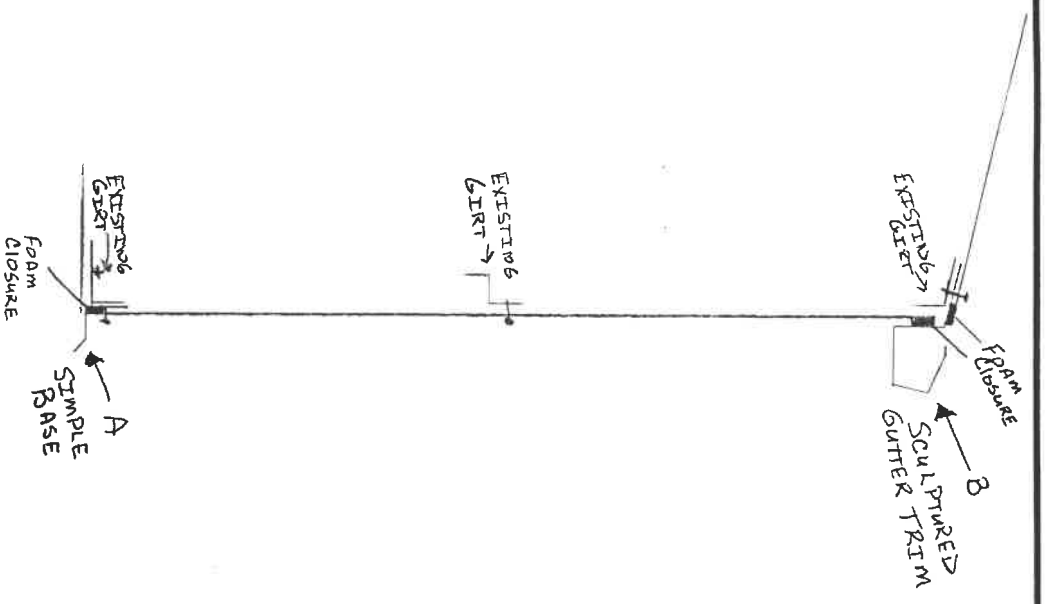
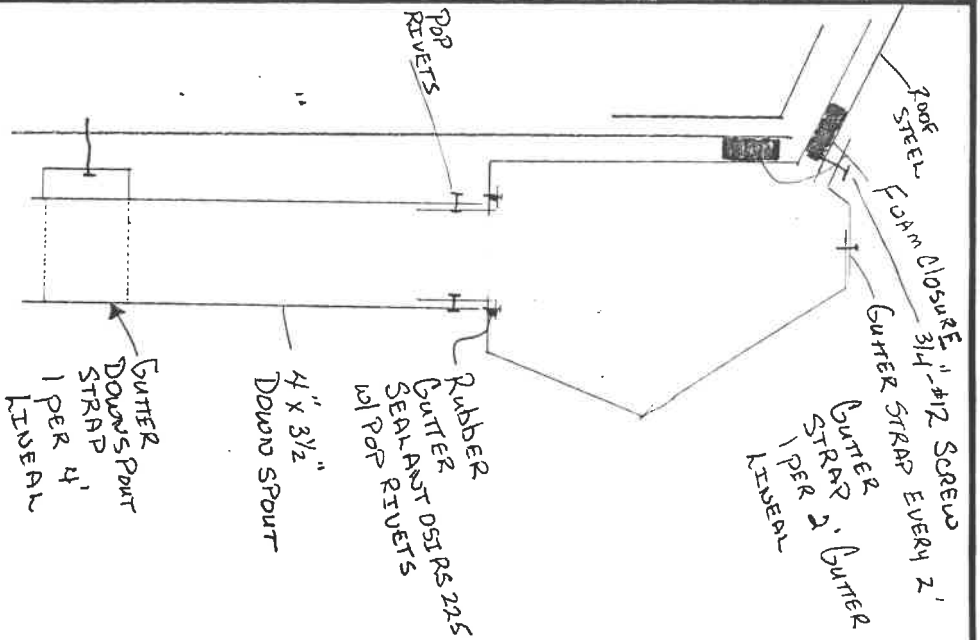
DRAWN BY: T.S.

REVISED

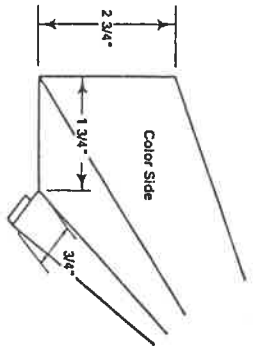
WADOBEN MUNICIPAL RENOVATIONS

DRAWING NUMBER

1

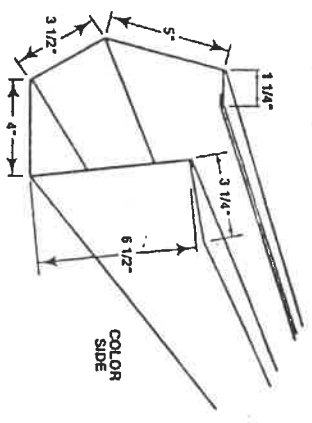


SIMPLE BASE



A

GUTTER



B

Mc ERROY MULTI RIB

TRIM DETAIL - BASE - Sculptured GUTTER

SCALE: NONE

APPROVED BY:

DATE: 8-9-99

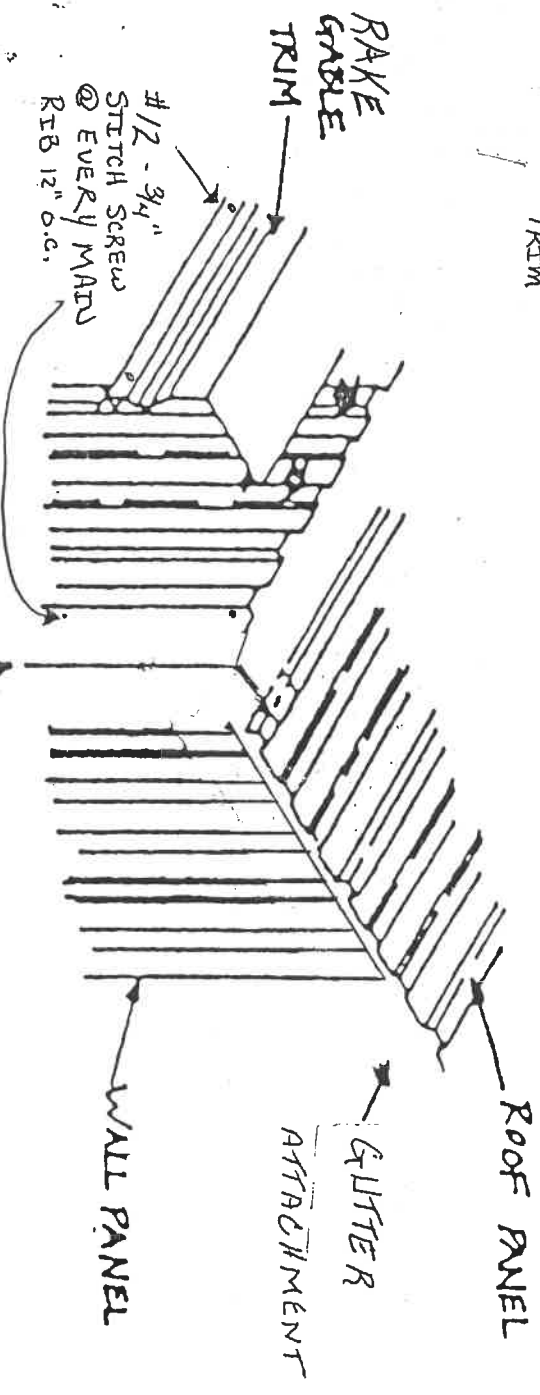
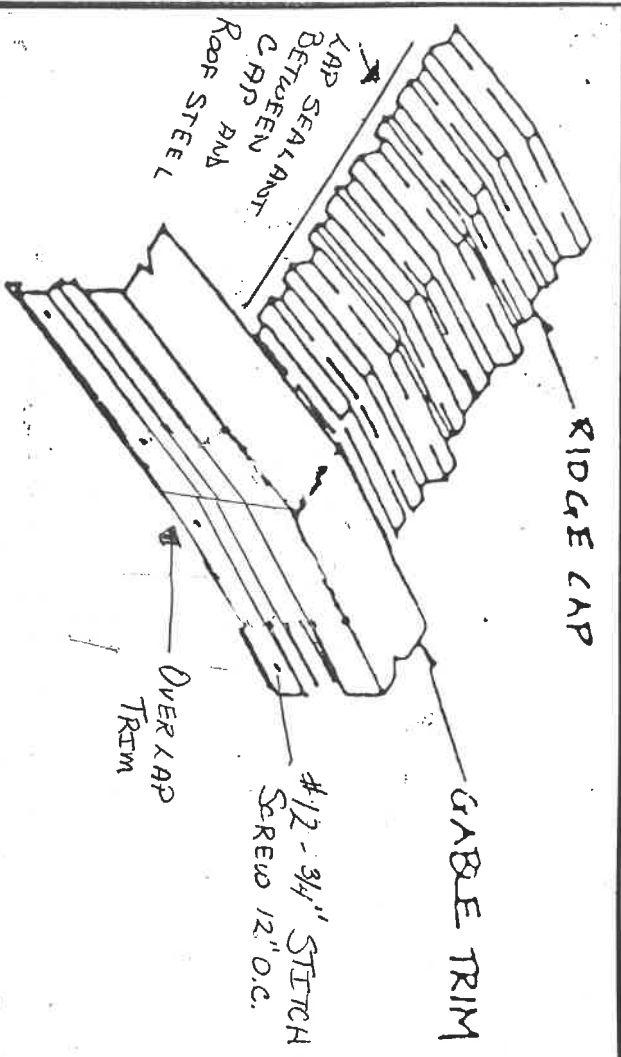
DRAWN BY T, S,

REVISED

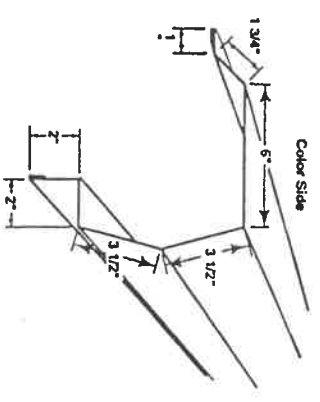
NAPKEDD MUNICIPAL RENOVATIONS

DRAWING NUMBER

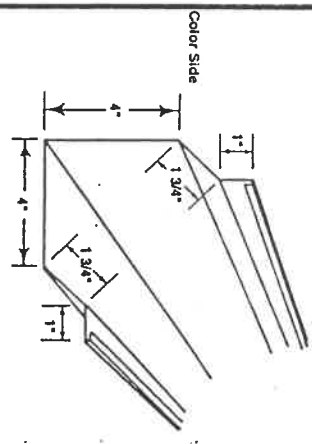
2



RAKE TRIM



OUTSIDE



Mc ERROY MULTI RIB

TRIM DETAIL - *OUTSIDE* CORNER + GABLE TRIM

SCALE: N.D.S.E

APPROVED BY:

DATE: 8-9-99

DRAWN BY T.S.

REVISED

NAPOLEON MUNICIPAL RENOVATIONS

DRAWING NUMBER

3

HEAD TRIM
OR JAMB
TRIM
DEPENDS
ON RIB
LOCATION

TYPICAL ALL
DOORS SINGLE AND
DOUBLE

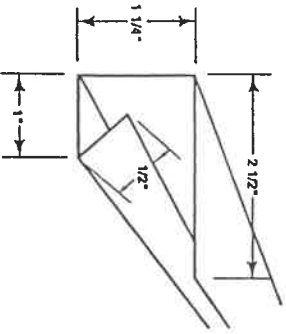
TYPICAL ALL
WINDOWS

HEAD
TRIM
OR
JAMB
TRIM
DEPENDS
ON RIB
LOCATION

WRAP
CORNER
DOWN

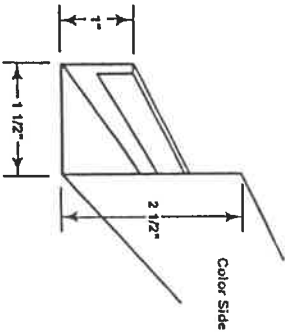
JAMB TRIM

Color Side



HEAD TRIM

Color Side



Mc ELROY MULTI RIB

WINDOWS + DOOR TRIM

SCALE: NONE

DATE: 8-9-99

APPROVED BY:

DRAWN BY T.S.

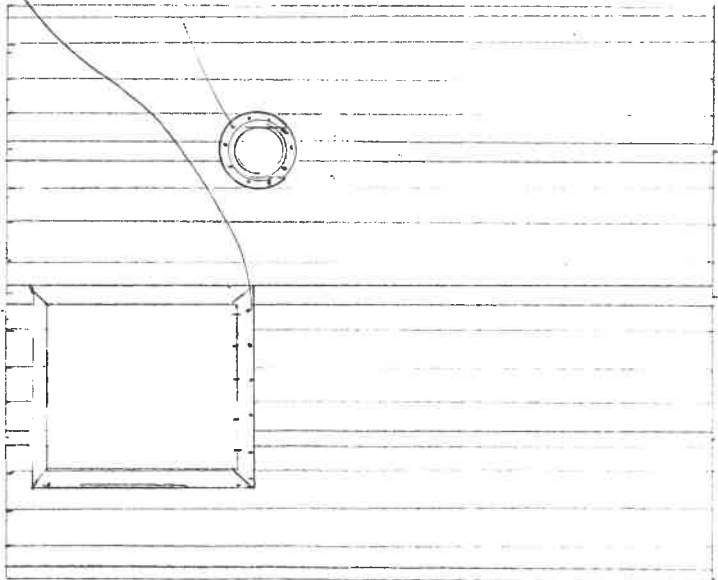
REVISED

NAPOLEON MUNICIPAL RENOVATIONS

DRAWING NUMBER

4

#12 3/4"
STEEL SCREWS
w/ PR 225 DSI
CHALK



MC ELROY METAL MULTI RIB

TRIM DETAIL - VENT PIPE COVERS - ROOF CURBS

SCALE: NONE

APPROVED BY:

DRAWN BY T.S.

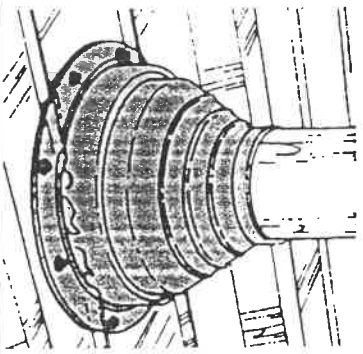
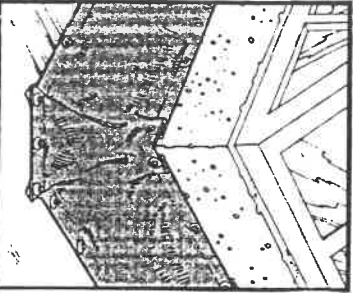
DATE: 8-9-99

REVISED

NAPOLEON MUNICIPAL RENOVATIONS

DRAWING NUMBER

5



DESCRIPTION OF THE GALVALUME COATING

The metal coating consists of an alloy of nominally 55% aluminum, 1.6% silicon and the balance zinc by weight. On a volume basis, the coating is approximately 80% aluminum, 19% zinc and 1% silicon. The coating is applied by a continuous hot-dipping process, that is, dipping properly-cleaned, low carbon cold rolled steel coil stock into the molten coating.

This patented alloy composition was chosen by Bethlehem as a result of an extensive research program which studied various alloy additions to hot-dip zinc coating to improve corrosion resistance. The Galvalume sheet coating composition provides an optimum balance of properties consisting of:

- (a) long term general corrosion resistance from the aluminum in the coating, and
- (b) galvanic protection at scratches and cut edges from the zinc in the coating.

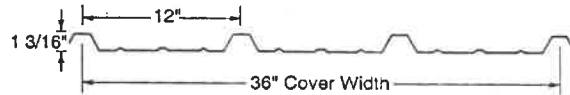
The small amount of silicon is added to the coating to control the thickness of the intermetallic layer between the steel and the coating that forms during the hot-dipping process.

Metallographic cross-section of the Galvalume sheet coating is shown in *Figure 1*. The coating microstructure consists of a zinc-rich interdendritic network constituent in an aluminum-rich dendritic matrix. The thin quaternary alloy layer contains iron, aluminum, zinc, and silicon.

Common Galvalume and Galvanized coating weights and thicknesses are listed in *Table 1*.



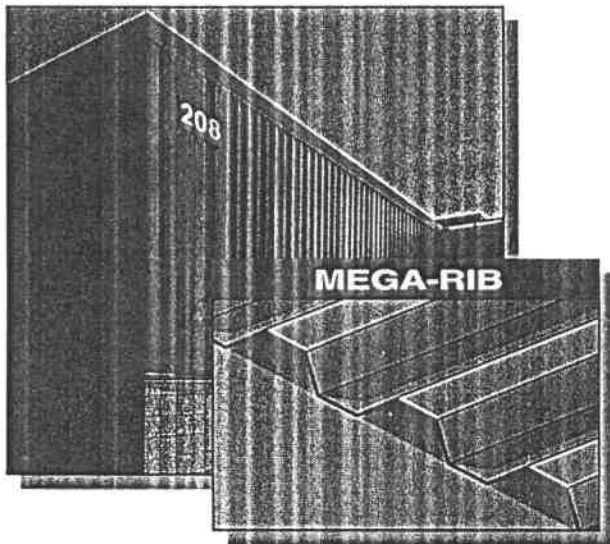
Multi-Rib is one of the most versatile members of the McElroy family of quality products. It is truly a multi-use wall and roof panel whose applications span a tremendous variety of commercial and industrial construction projects. Multi-Rib's superiority as a roofing panel is proven by compliance with the rigid Underwriters' Laboratories UL-90 wind uplift tests. An ideal combination of strength and beauty make Multi-Rib an equally popular choice for wall applications.



MULTI-RIB LOAD TABLE *

SECTION PROPERTIES									ALLOWABLE LOADS (PSF)*																			
Panel Gauge	Weight PSF	FY KSI	TOP IN COMPRESSION			BOTTOM IN COMPRESSION			WIND LOAD								LIVE LOAD						DEFLECTION (IN)					
			Ix IN. ⁴	Se IN. ³	Ma KIP IN.	Ix IN. ⁴	Se IN. ³	Ma KIP IN.	3'	4'	5'	6'	7'	8'	3'	4'	5'	6'	7'	8'	3'	4'	5'	6'	7'	8'		
29	0.75	80	.0217	.0201	0.965	.0145	.0214	1.024	126	71	46	27	17	12	95	53	34	21	13	9	.17	.31	.48	.60	.70	.80		
26	0.95	80	.0326	.0309	1.482	.0198	.0300	1.435	177	100	64	40	25	17	133	75	48	30	19	13	.17	.29	.46	.60	.70	.80		
26	0.95	50	.0365	.0371	1.112	.0213	.0332	0.995	123	69	44	31	23	17	92	52	33	23	17	13	.10	.19	.29	.42	.57	.74		
24	1.20	80	.0454	.0460	2.205	.0265	.0411	1.970	243	137	88	55	35	23	182	103	66	41	26	17	.17	.30	.46	.60	.70	.80		
24	1.20	50	.0486	.0499	1.494	.0286	.0462	1.382	171	96	61	43	31	24	128	72	46	32	24	18	.11	.19	.30	.43	.59	.77		

*See Load Table Notes, Page 9.



McElroy's Mega-Rib panel is easily recognized by its distinctive profile. Deep rib configurations provide optimum strength and maximum spanning capabilities. While the Mega-Rib design was intended to meet the demands of the industrial environment, design flexibility has made it a popular choice for architectural applications as well. Mega-Rib's unique profile and high-strength characteristics also make it particularly well-suited for canopy projects.



MEGA-RIB LOAD TABLE *

SECTION PROPERTIES									ALLOWABLE LOADS (PSF)*																			
Panel Gauge	Weight PSF	FY KSI	TOP IN COMPRESSION			BOTTOM IN COMPRESSION			WIND LOAD								LIVE LOAD						DEFLECTION (IN)					
			Ix IN. ⁴	Se IN. ³	Ma KIP IN.	Ix IN. ⁴	Se IN. ³	Ma KIP IN.	3'	4'	5'	6'	7'	8'	3'	4'	5'	6'	7'	8'	3'	4'	5'	6'	7'	8'		
29	0.77	80	.0546	.0564	2.704	.0546	.0564	2.704	334	188	120	83	53	35	250	141	90	63	39	26	.15	.27	.42	.60	.70	.80		
26	0.98	80	.0761	.0761	4.029	.0761	.0841	4.029	497	280	179	116	73	49	373	210	134	87	55	37	.16	.29	.45	.60	.70	.80		
26	0.98	50	.0798	.0798	2.768	.0798	.0925	2.768	342	192	123	85	63	48	256	144	92	64	47	36	.11	.19	.29	.42	.57	.75		
24	1.22	80	.0987	.0987	5.471	.0987	.1121	5.471	675	380	243	151	95	64	507	285	182	113	71	48	.17	.30	.47	.60	.70	.80		
24	1.22	50	.1038	.1038	3.676	.1038	.1228	3.676	454	255	163	113	83	64	340	191	123	85	63	48	.11	.19	.30	.43	.58	.76		

*See Load Table Notes, Page 9.