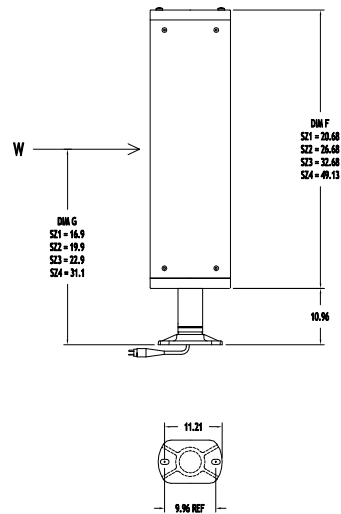


ANCHORING LOADS

STANDARD CONFIGURATION



SIZE 1, MODULES	T (FT-LBS)	P (LBS)
SIZE 1, 1 MOD	376	668
SIZE 1, 2 MOD	500	889
SIZE 1, 3 MOD	563	1000
SIZE 1, 4 MOD	600	1066

SIZE, MODULES	T (FT-LBS)	P (LBS)
SIZE 2, 1 MOD	711	1264
SIZE 2, 2 MOD	948	1685
SIZE 2, 3 MOD	1066	1895
SIZE 2, 4 MOD	1137	2021

SIZE 3, MODULES	T (FT-LBS)	P (LBS)
SIZE 3/5, 1 MOD	1185	2106
SIZE 3, 2 MOD	1579	2807
SIZE 3, 3 MOD	1776	3157
SIZE 3, 4 MOD	1894	3367

SIZE, MODULES	T (FT-LBS)	P (LBS)
SIZE 4, 1 MOD	1826	3246

$$W = F * C * .9 \text{ psi} / (N + 1)$$

$$T = W * (G/12)$$

WHERE:

W = WIND LOADING PER LEG (LB)

T = TORQUE RESISTED AT MOUNTING FLANGE (FT-LB)

F = HEIGHT OF SIGN FACE

C = LENGTH OF SIGN FACE

G = BASE OF MTG FLANGE TO CENTER OF SIGN FACE

N = NUMBER OF MODULES

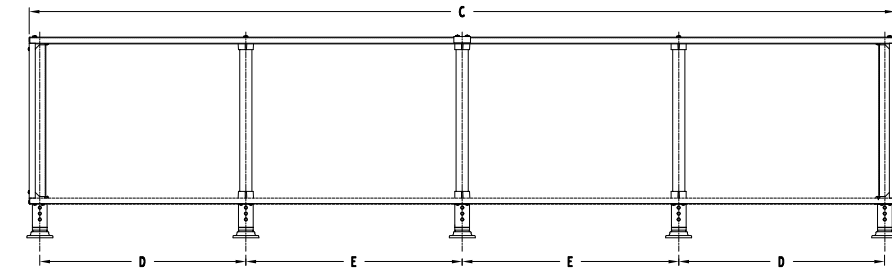
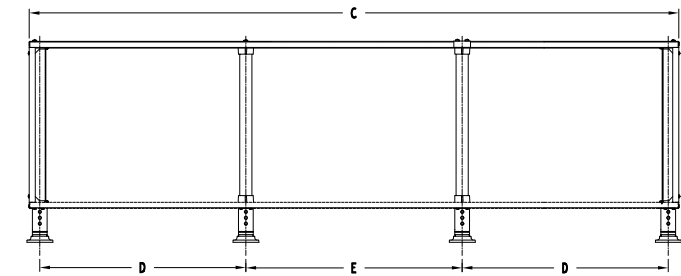
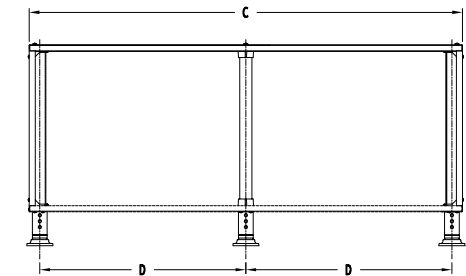
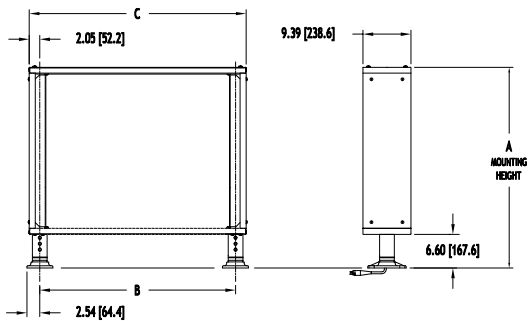
$$P = T * 12 / 6.75$$

WHERE:

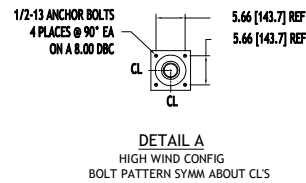
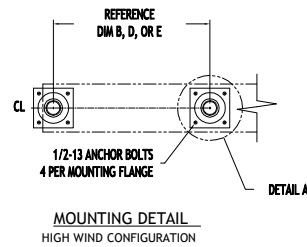
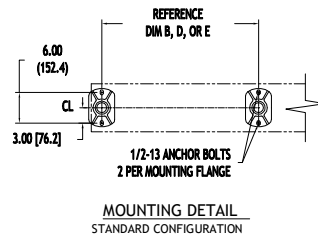
P = TENSION LOAD IN CONCRETE ANCHOR BOLT

T = TORQUE RESISTED AT MOUNTING FLANGE (FT-LB)

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				ADD SAFEGATE AMERICAS 977 GAHANNA PARKWAY COLUMBUS, OHIO 43230 TEL: 614-861-1304 FAX: 614-864-2069			
				DRAWING TITLE: L-858 TAXIWAY & RUNWAY SIGNS INSTALLATION DETAILS			
H	ECF 257	SIGN RE-CERTIFICATION	STM	27FEB23			
G	INC-XXX	REVISE DIM F SH 4					
F	4619	CLARIFICATION SEE ECO	TON	05JUL16			
E	3228	UPDATE LOGO	JLC	26APR11			
D	---	ADD SH4 4 LOAD DATA	DLR	05NOV07			
C	---	PRODUCTION RELEASE	LWH	15MAY04			
B	---	SALES REQUESTED DETAILS	DLR	23JUN03			
A	---	PRODUCTION RELEASE	DLR	23JUL02			
REV LEVEL	ECO NUMBER	REVISION DESCRIPTION	DRAWN BY	REV			
ASSOCIATED DRAWING:	DLR	23JUL02	23JUL02				
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					DRAWING NUMBER: 117A0003		
					REV: H		



SIZE 1, SIZE 2, SIZE 3, SIZE 5
(SIZE 1 HAS 1 LAMP COVER PER MODULE)

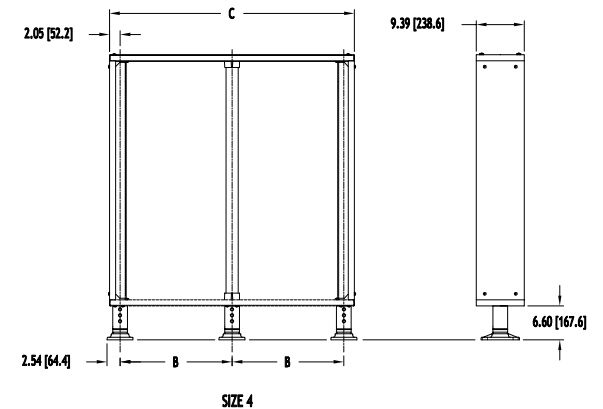


SIZE, MODULES	A	B	C	D	E	LAMPS / MOD
SIZE 1, 1 MOD		25.23 (640.8)	29.34 (745.23)	N/A	N/A	1
SIZE 1, 2 MOD	27.28 (692.9)	N/A	58.62 (1489.00)	27.26 (692.4)	N/A	1
SIZE 1, 3 MOD		N/A	87.90 (2232.7)	27.26 (692.4)	29.28 (743.7)	1
SIZE 1, 4 MOD		N/A	117.17 (2976.1)	27.26 (692.4)	29.28 (743.7)	1

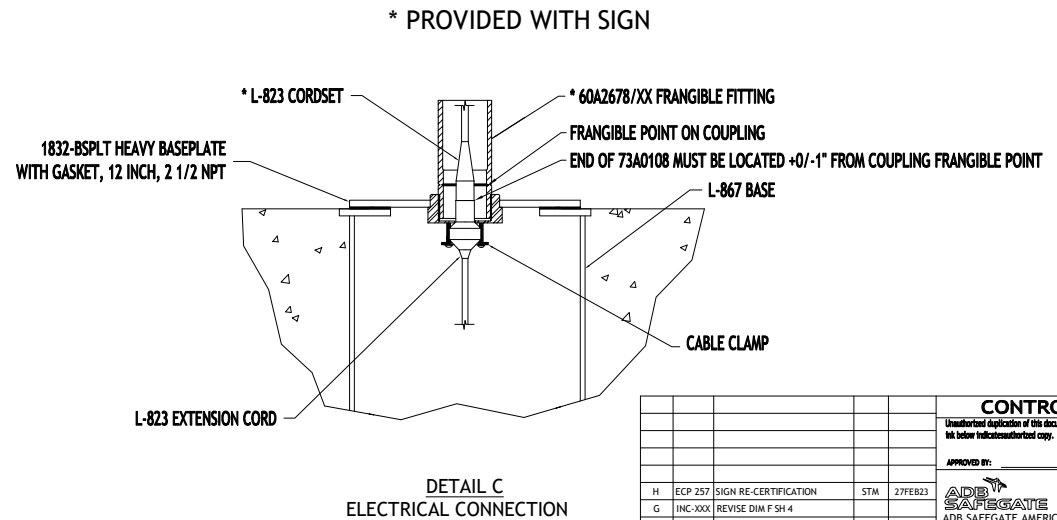
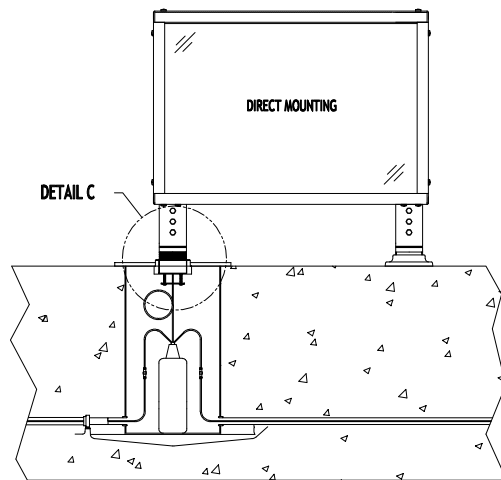
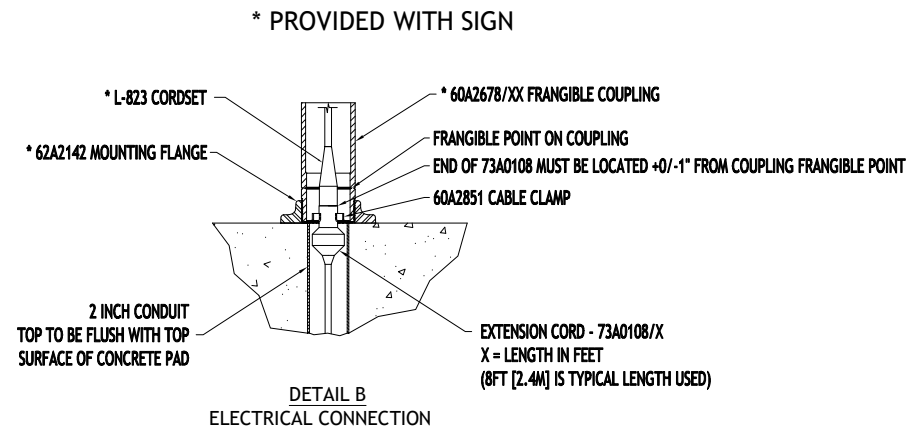
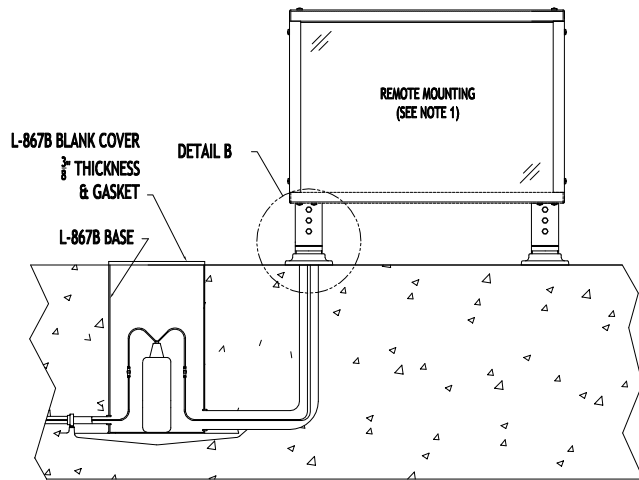
SIZE, MODULES	A	B	C	D	E	LAMPS / MOD
SIZE 2, 1 MOD		31.73 (805.9)	35.84 (910.3)	N/A	N/A	2
SIZE 2, 2 MOD	33.28 (845.3)	N/A	71.62 (1819.2)	33.76 (857.5)	N/A	2
SIZE 2, 3 MOD		N/A	107.40 (2728.0)	33.76 (857.5)	35.79 (909.1)	2
SIZE 2, 4 MOD		N/A	143.17 (3636.5)	33.76 (857.5)	35.79 (909.1)	2

SIZE, MODULES	A	B	C	D	E	LAMPS / MOD
SIZE 3/5, 1 MOD		38.23 (971.0)	42.34 (1075.4)	N/A	N/A	2
SIZE 3, 2 MOD	39.28 (997.7)	N/A	84.62 (2149.4)	40.26 (1022.6)	N/A	2
SIZE 3, 3 MOD		N/A	126.90 (3223.3)	40.26 (1022.6)	42.28 (1073.9)	2
SIZE 3, 4 MOD		N/A	169.17 (4296.9)	40.26 (1022.6)	42.28 (1073.9)	2

SIZE, MODULES	A	B	C	D	E	LAMPS / MOD
SIZE 4, 1 MOD	55.73 (1415.5)	21.87 (555.5)	47.84 (1215.1)	N/A	N/A	4



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H	ECP 257	SIGN RE-CERTIFICATION	STM	27FEB23	DRAWING TITLE: L-858 TAXIWAY & RUNWAY SIGNS INSTALLATION DETAILS	
G	INC-XXX	REVISE DIM F SH 4	TDN	05JUL16		
F	4619	CLARIFICATION SEE ECO	JLC	26APR11		
E	3228	UPDATE LOGO	DLR	05NOV07		
D	---	ADD SH 4 LOAD DATA	DLR	23JUN03		
C	---	PRODUCTION RELEASE	LWH	15MAY04		
B	---	SALES REQUESTED DETAILS	DLR	23JUN03		
A	---	PRODUCTION RELEASE	DLR	23JUL02		
REV LEVEL	ECO NUMBER	REVISION DESCRIPTION	DRAWN BY	REV DATE		
ASSOCIATED DRAWING:		DRAWN BY: DLR	DRAWN DATE: 23JUL02			
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					DRAWING NUMBER	SHEET NUMBER: 2 OF 5
					117A0003	



NOTE 1

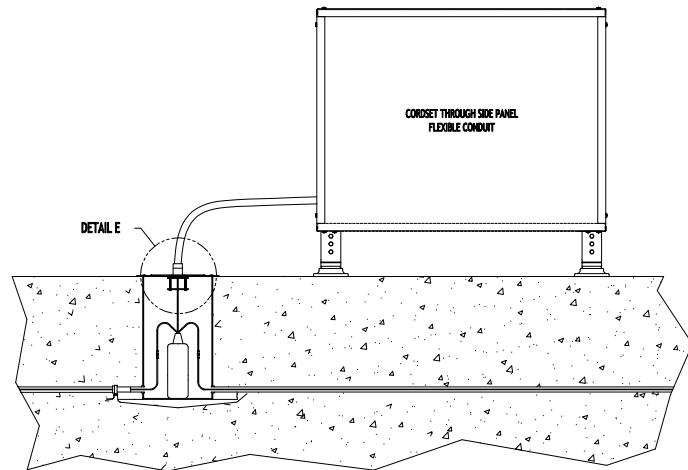
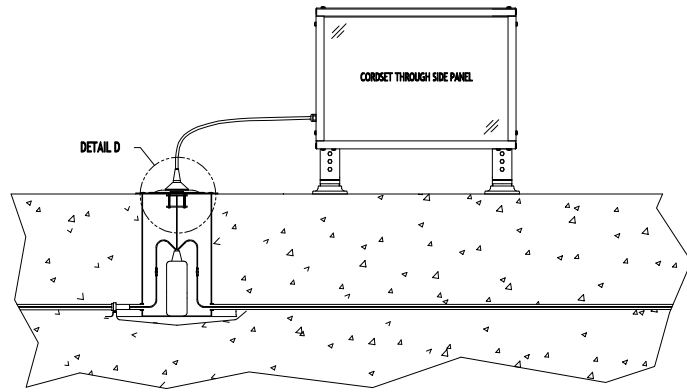
PER: AC 150/5345-44 PARAGRAPH 3.2.5.8, ELECTRICAL DISCONNECT.

C. A CABLE CLAMP OR SIMILAR RESTRAINING DEVICE MUST BE PROVIDED IN THE SIGN TO PREVENT STRAIN ON THE CABLE TERMINAL CONNECTIONS WHEN THE CABLE PLUG IS PULLED APART.

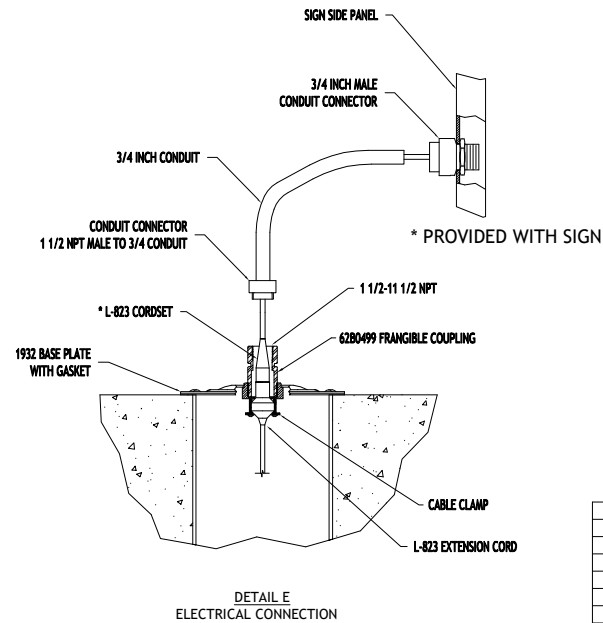
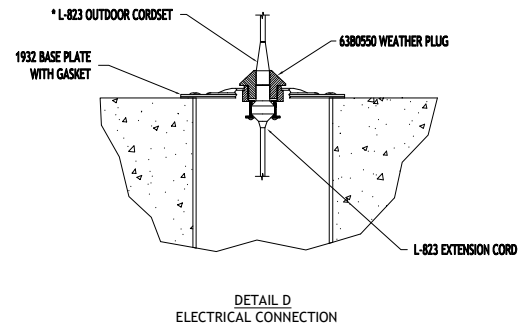
D. THERE MUST BE NO ABOVE GROUND POWER CABLE CONNECTIONS TO SIGNS. POWER TO A SIGN OR SIGN ARRAY MUST BE PROVIDED THROUGH BREAKAWAY CABLE CONNECTORS INSTALLED WITHIN THE FRANGIBLE POINT PORTION OF THE SIGN'S MOUNTING LEGS.

E. THERE MUST BE NO EXTERNAL ABOVE GROUND ELECTRICAL CONNECTION BETWEEN SIGNS IN A SIGN ARRAY.

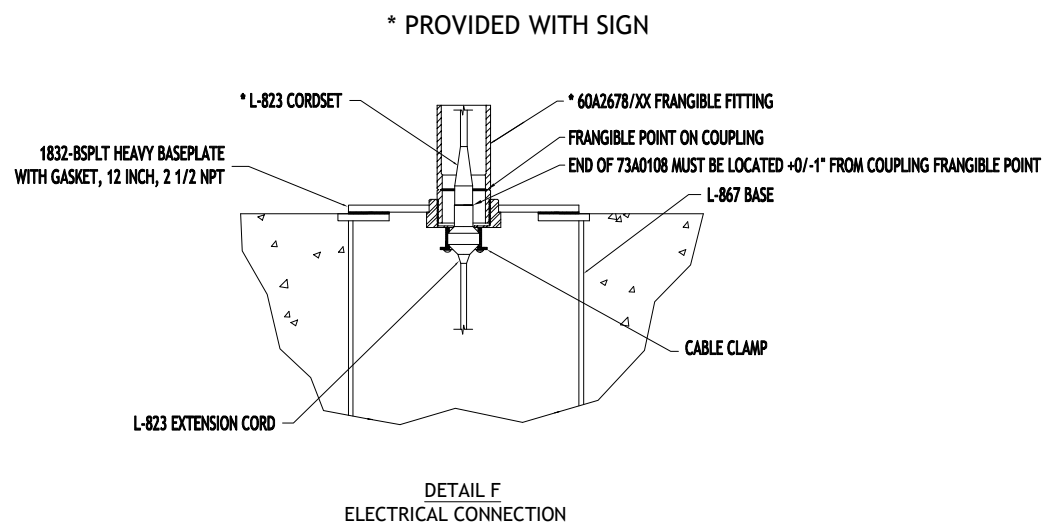
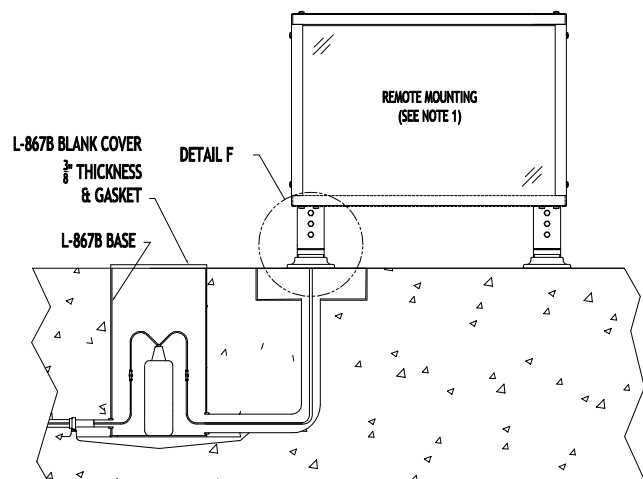
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APPROVED BY:			DATE:		
H	ECP 257	SIGN RE-CERTIFICATION	STM	27FEB23	
G	INC-XXX	REVISE DIM F SH 4			
F	4619	CLARIFICATION SEE ECO	TDN	05JUL16	
E	3228	UPDATE LOGO	JLC	26APR11	
D	---	ADD SH4 4 LOAD DATA	DLR	05NOV07	
C	----	PRODUCTION RELEASE	LWH	15MAY04	
B	---	SALES REQUESTED DETAILS	DLR	23JUN03	
A	---	PRODUCTION RELEASE	DLR	23JUL02	
REV LEVEL	ECO NUMBER	REVISION DESCRIPTION	DRAWN BY	REV DATE	
ASSOCIATED DRAWING:		DLR	23JUL02		
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DRAWING NUMBER:			SCALE:	N/A	
117A0003			SHEET NUMBER:	3 OF 5	
REV:					H



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G	INC-XXX	REVISE DIM F SH 4			
F	4619	CLARIFICATION SEE ECO	TDN	05JUL16	
E	3228	UPDATE LOGO	JLC	26APR11	
D	---	ADD SH 4 LOAD DATA	DLR	05NOV07	
C	---	PRODUCTION RELEASE	LWH	15MAY04	
B	---	SALES REQUESTED DETAILS	DLR	23JUN03	
A	---	PRODUCTION RELEASE	DLR	23JUL02	DRAWING TITLE: L-858 TAXIWAY & RUNWAY SIGNS INSTALLATION DETAILS
REV LEVEL	ECO NUMBER	REVISION DESCRIPTION	DRAWN BY	REV DATE	
ASSOCIATED DRAWING:		DLR	23JUL02		SCALE: N/A SHEET NUMBER: 4 OF 5
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					REV: H

[illegible]