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NOTES FOR EOR:

QUANTITIES OF TIE-DOWNS, CORRESPONDING TO THE PROJECT SPECIFIC K_{ZT} DETERMINED PER ASCE 7, SHALL BE SELECTED FROM THIS TABLE TO ACCOMPANY ST-Z1052-2.

QUANTITIES OF TIE-DOWNS

BLDG SIZE (W x L)	$K_{ZT} = 1.00$		$K_{ZT} = 1.50$		$K_{ZT} = 2.05$		$K_{ZT} = 2.20$		$K_{ZT} = 2.73$		$K_{ZT} = 2.96$	
	TIES PER		TIES PER		TIES PER		TIES PER		TIES PER		TIES PER	
	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE	LONG SIDE	SHORT SIDE
20 x 50	5	3	10	5	15	6	17	7	22	8	24	9
20 x 60	5	3	10	5	17	7	19	7	25	9	27	10
24 x 50	5	3	10	5	15	7	17	8	22	10	24	11
24 x 60	5	4	11	6	17	8	19	9	25	11	28	12
28 x 50	6	4	11	6	17	9	18	9	24	12	26	13
28 x 60	6	4	12	6	19	9	21	10	27	13	30	14
32 x 50	6	4	12	7	18	10	19	10	25	13	27	15
32 x 60	7	4	13	7	20	10	22	11	29	14	32	16

QUANTITIES OF PIERS

PIERS PER MAIN TRAILER BEAM			
BLDG SIZE (W x L)	PAD SIZE (FT ²)	1500 PSF SOIL BEARING	3000 PSF SOIL BEARING
20 x 50	2	10	5
	2.5	8	
	3	7	
	4	5	
20 x 60	2	12	6
	2.5	10	
	3	8	
	4	6	
24 x 50	2	12	6
	2.5	10	
	3	8	
	4	6	
24 x 60	2	14	7
	2.5	11	
	3	9	
	4	7	
28 x 50	2	14	7
	2.5	11	
	3	9	
	4	7	
28 x 60	2	16	8
	2.5	13	
	3	11	
	4	8	
32 x 50	2	15	8
	2.5	12	
	3	10	
	4	8	
32 x 60	2	18	9
	2.5	15	
	3	12	
	4	9	

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A

00% REVIEW
NOT FOR CONSTRUCTION

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP

ENGINEERING SERVICES

FOUNDATION SUPPORT SYSTEM FOR TEMPORARY TRAILERS

TIE-DOWN QUANTITIES CONSIDERING TOPOGRAPHIC FACTOR

DRAWN	B.D. WINTER
DESIGN	B.D. WINTER
CHECKED	G.J. PAPPAS
DATE	6/28/18

TA-XX BLDG XXXX

SUBMITTED DISCIPLINE POC: GLEN PAPPAS APPROVED FOR RELEASE STANDARDS MANAGER: TOBIN ORUCH

SHEET **1**

Los Alamos NATIONAL LABORATORY P.O. Box 1663 Los Alamos, New Mexico 87545

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D.C.: UNCLASSIFIED	REVIEWER: TOBIN ORUCH	DATE: 6/20/18
PROJECT ID	DRAWING NO	REV
CHAPTER 5	ST-Z1052-4	0