

Geisser Engineering Corporation

Consulting Engineers

227 Wampanoag Trail Riverside, R.I. 02915 (401) 438-7711 Fax # (401) 438-0281

Client PREMIER PLASTIC PRODUCTS, INC.

Project REDI - FOOTING

Subject COMPRESSIVE TEST ON FOOTING ASSEMBLY

File No. Q-819-1

Date JANUARY 30, 2002

THREE (3) DIFFERING LENGTHS OF REDI-FOOTING ASSEMBLY BASE UNIT Sample: FOR COMPRESSIVE STRENGTH TESTING. ONE (1) TENSILE TEST ON COMPLETED ASSEMBLY

Delivered By: CLIENT

Date Delivered: JULY, 2001 & DECEMBER 2001

Date Tested: SEPTEMBER, 2001 & JANUARY 2002

SAMPLE DATA	LENGTH (IN)	WIDTH PIPE	(IN) BASE WIDTH (IN)
RF-1	17.5	4.5	9.75
RF-2	24.5	4.5	9.75
RF-3	40.25	4.5	9.75
RF-4	40.25	4.5	9.75
TEST RESULTS	COMPRESSIVE LOAD (LBS)		COMPRESSIVE STRENGTH (PSI)
RF-1	28,000		3,963*
RF-2	28,000		3,963*
RF-3	25,500		3,538*
AVG.	27,000		3,821
TENSILE TEST	LBS		
R-4	250**		

REMARKS: *COLUMNS FAILED AT 4 1/2" PVC PIPES, THE LONGER THE SECTION, THE OTHER FACTORS INFLUENCING LESS THE LOAD IT WILL BE CAPABLE OF SUPPORTING. THE AMOUNT OF LOAD WILL BE ALLOWABLE SOIL BEARING PRESSURE. USING A FACTOR OF SAFETY OF 2, THE GOVERNING FACTOR FOR DESIGN WOULD BE ALLOWABLE SOIL BEARING.

**TENSILE TEST PERFORMED ON SUBMITTED SAMPLE. MODE OF FAILURE OF PLASTIC SET SCREW CONNECTING BEAM SEAT TO COLUMN

> CERTIFIED GEORGE J. PRESIDENT

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RF-2	24.5	4.5	9.75
RF-3	40.25	4.5	9.75
RF-4	40.25	4.5	9.75
		80	
TEST RESULTS	COMPRESSIVE LOAD (LBS)		COMPRESSIVE STRENGTH (PSI)
RF-1	28,000		3,963*
RF-2	28,000		3,963*
RF-3	25,500		3,538*
AVG.	27,000		3,821
TENSILE TEST	LBS		
R-4	250**		

REMARKS: *COLUMNS FAILED AT 4 1/2" PVC PIPES, THE LONGER THE SECTION, THE LESS THE LOAD IT WILL BE CAPABLE OF SUPPORTING. OTHER FACTORS INFLUENCING THE AMOUNT OF LOAD WILL BE ALLOWABLE SOIL BEARING PRESSURE. USING A FACTOR OF SAFETY OF 2, THE GOVERNING FACTOR FOR DESIGN WOULD BE ALLOWABLE SOIL BEARING.

**TENSILE TEST PERFORMED ON SUBMITTED SAMPLE. MODE OF FAILURE WAS SHEARING OF PLASTIC SET SCREW COUNTRING FEAT SEAT TO COLUMN

CERTIFIED CORRECT,
GEORGE J. GEISSER, III, P.E.
PRESIDENT

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RF-1	17.5	4.5	9.75
RF-2	24.5	4.5	9.75
RF-3	40.25	4.5	9.75
RF-4	40.25	4.5	9.75
		780	
TEST RESULTS	COMPRESSIVI	E LOAD (LBS)	COMPRESSIVE STRENGTH (PSI)
RF-1	28,0	00	3,963*
RF-2	28,0	00	3,963*
RF-3	25,5	00	3,538*
Id 5	43,31	00	-,
AVG.	27,0		3,821
	· ·	00	

REMARKS: *COLUMNS FAILED AT 4 1/2" PVC PIPES, THE LONGER THE SECTION, THE LESS THE LOAD IT WILL BE CAPABLE OF SUPPORTING. OTHER FACTORS INFLUENCING THE AMOUNT OF LOAD WILL BE ALLOWABLE SOIL BEARING PRESSURE. USING A FACTOR OF SAFETY OF 2, THE GOVERNING FACTOR FOR DESIGN WOULD BE ALLOWABLE SOIL BEARING.

**TENSILE TEST PERFORMED ON SUBMITTED SAMPLE. MODE O OF PLASTIC SET SCREW CONNECTING BEAM SEAT TO COLUMN

MODE OF FATLURE WAS SHE
COLUMN
No. 4085
CERTIFIED CORRECT
GEORGE J GEDSER, III
PRESEDENT REGISTERED

P.E

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