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Client PREMIER PLASTIC PRODUCTS, INC.

Project REDI - FOOTING

Subject COMPRESSIVE TEST ON FOOTING ASSEMBLY

File No. Q-819-1 Date JANUARY 30, 2002

Sample: THREE (3) DIFFERING LENGTHS OF REDI-FOOTING ASSEMBLY BASE UNIT 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 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 CONNECTING BEAM SEAT TO COLUMN

2/10/03

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

GEORGE J. GEISSER III
No. 4085
REGISTERED PROFESSIONAL ENGINEER