

Carlson Testing, Inc.

Bend Office (541) 330-9155
 Geotechnical Office (503) 601-8250
 Eugene Office (541) 345-0289
 Salem Office (503) 589-1252
 Tigard Office (503) 684-3460

REPORT OF 4 X 8 CONCRETE CYLINDRICAL TEST SPECIMENS

Test Methods: ASTM C39/C172/C1064/C31/C143/C231/C1231

Date Molded: 07/05/2018 Date Received: 07/06/2018 Job Number: T1803704.

Permit #: [REDACTED]

Client: [REDACTED]

Project: GLISAN HOSPITALITY MULTI FAMILY DWELLING - ADDITION

Address: 3046 NE GLISAN ST PORTLAND OR Jurisdiction: NE PORTLAND

Contractor: _____

Subcontractor: _____ Cast By: C. STASCH

Concrete Supplier: VOLUME CONCRETE

Truck #: 2 Load #: 1 Ticket#: N/A

Weather: SUNNY Test Time: 7:26 Air Temp. at Sampling Time: 60

Cylinders were cast for the following locations:
 FOOTING AT BACK OF HOUSE

Total Concrete Placement Location:
 RETAINING WALL AND FOOTING NO GRID LINE

Strength Requirement: 2500 psi f'c @ 28 Days Slump: 1.50" % Air: 2.0%

Mix Number: 3000 PSI MIX Concrete Temp: 72 Max Agg: 3/4"

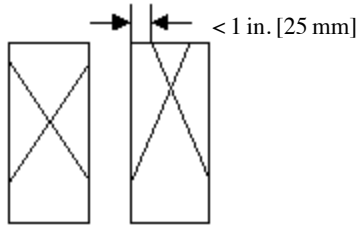
Admix/Amt: N/A Cubic Yards: 6.5 OF 6.5

Register Number: 00143907 Lab Location: TIGARD Curing: High **
 Low **

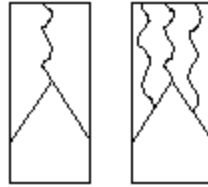
Set No.	Test @ Days	Test Date	Total Load	Avg Diameter	Area	Unit PSI	Type Of Fracture	Cap Type	Tested By
	7	07/12/2018	53340	4.00	12.56	4250	1	PAD 60	TT
	28	08/02/2018							
	28	08/02/2018							
	28	08/02/2018							

Distribute attachments. Average f'c @ 28 days

Please see reverse side for additional information.



Type 1
Reasonable well-formed
cones on both ends, less
than 1 in. [25 mm] of
cracking through caps



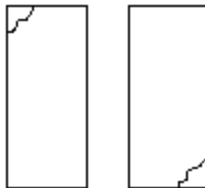
Type 2
Well-Formed cone on one
end, vertical cracks running
through caps, no well-defined
cone on other end



Type 3
Columnar vertical cracking
through both ends, no
well-formed cones



Type 4
Diagonal fracture with
no cracking through
ends; tap with hammer to
distinguish from Type 1



Type 5
Side fractures at top or
bottom (occur commonly
with unbonded caps)



Type 6
Similar to Type 5 but
end of cylinder is pointed

** Not measured - Departure from ASTM C31 standard

Remarks:

CC: MIALUNA INC - ANTONIO QUINTERO
CITY OF PORTLAND - BDS

M ALUNAI NC@GMAIL.COM
FINAL LTY ONLY

x

Project Manager: Doug Loftesness

Reviewed By: Greg Leeper On 07/16/2018

Our reports pertain to the material tested/inspected only. Information contained herein is not to be reproduced, except in full, without prior authorization from this office. Under all circumstances, the information contained in this report is provided subject to all terms and conditions of CTI's General Conditions in effect at the time this report is prepared. No party other than those to whom CTI has distributed this report shall be entitled to use or rely upon the information contained in this document.