1.103 CIVIL ENGINEERING MATERIALS LABORATORY (1-2-3)

COMPRESSION TESTING AND ANISOTROPY OF WOOD

DATA SHEET (1 of 2)

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All dimensions in __inches____ Group No. __Subgroup B2_____ Date _4/06/04

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Measurement Device	Vertical Force	Actuator. LVDT	Extensometer
Calibration. Factor	__25KN/V___	__12.7 mm/V	___5%/V_____
DAQ Channel	___4_____	_____3_____	_____2_____
Input Voltage	____1_____	_____1_____	_____1_____

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Test Description _75 degree___ File Name _B2W75_____ Before After

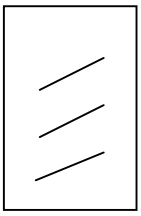
Specimen Height __2.899__ , _2.917___ , __2.907__

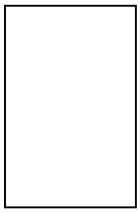
Specimen Dia. _1.476 , _1.462 , _1.472_ , _1.474_

Specimen Mass _43.29___(gm) Zero Load _____

Zero Extens. _____ Zero Act. LVDT _____

Failure Angle _n/a_ Failure Mode general distortion_





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Test Description __45 degree_ File Name _B!2W45____ Before After

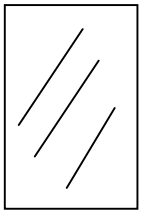
Specimen Height _2.461__ , __2.920_ , __2.910__

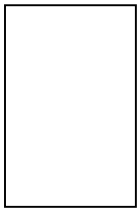
Specimen Dia. _1.461_ , _1.467 , __1.484 , __1.471_

Specimen Mass __44.60___(gm) Zero Load _____

Zero Extens. _____ Zero Act. LVDT _____

Failure Angle _41____ Failure Mode _interface shear





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Test Description _15 degree__ File Name _B2W15____ Before After

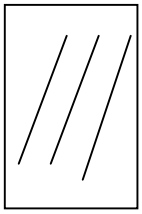
Specimen Height __2.935__ , _2.940___ , ___2.942__

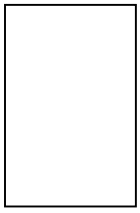
Specimen Dia. _1.445_ , _1.464 , _1.467_ , _____

Specimen Mass __43.61___(gm) Zero Load _____

Zero Extens. _____ Zero Act. LVDT _____

Failure Angle _15___ Failure Mode split on interface





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Test Description _0 degree___ File Name _B2W0____ Before After

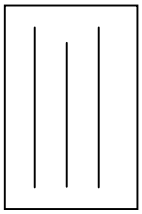
Specimen Height _2.928____ , __2.939__ , __2.933__

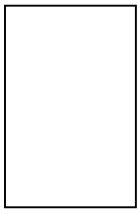
Specimen Dia. _1.483_ , _1.467_ , _1.481_ , _1.453_

Specimen Mass __40.67___(gm) Zero Load _____

Zero Extens. _____ Zero Act. LVDT _____

Failure Angle _____ Failure Mode _first shear at base





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1.103 CIVIL ENGINEERING MATERIALS LABORATORY (1-2-3)

COMPRESSION TESTING AND ANISOTROPY OF WOOD

DATA SHEET (2 of 2)

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Test Description ____________ File Name __________ Before After
Specimen Height _________ , _________ , _________
Specimen Dia. _______ , ______ , _______ , _______
Specimen Mass __________(gm) Zero Load _______
Zero Extens. ________ Zero Act. LVDT __________
Failure Angle _______ Failure Mode _______________

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Test Description ____________ File Name __________ Before After
Specimen Height _________ , _________ , _________
Specimen Dia. _______ , ______ , _______ , _______
Specimen Mass __________(gm) Zero Load _______
Zero Extens. ________ Zero Act. LVDT __________
Failure Angle _______ Failure Mode _______________

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Test Description ____________ File Name __________ Before After
Specimen Height _________ , _________ , _________
Specimen Dia. _______ , ______ , _______ , _______
Specimen Mass __________(gm) Zero Load _______
Zero Extens. ________ Zero Act. LVDT __________
Failure Angle _______ Failure Mode _______________

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Test Description ____________ File Name __________ Before After
Specimen Height _________ , _________ , _________
Specimen Dia. _______ , ______ , _______ , _______
Specimen Mass __________(gm) Zero Load _______
Zero Extens. ________ Zero Act. LVDT __________
Failure Angle _______ Failure Mode _______________

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Test Description ____________ File Name __________ Before After
Specimen Height _________ , _________ , _________
Specimen Dia. _______ , ______ , _______ , _______
Specimen Mass __________(gm) Zero Load _______
Zero Extens. ________ Zero Act. LVDT __________
Failure Angle _______ Failure Mode _______________

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