

HOUSING AND DEVELOPMENT ADMINISTRATION
DEPARTMENT OF BUILDINGS

DEPARTMENTAL MEMORANDUM

DATE: March 29, 1971

TO: Borough Superintendents
FROM: Thomas V. Burke, P.E., Director of Operations
SUBJECT: Lumber Sizes and Grades

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An application will be filed by this department with the Board of Standards and Appeals for amendments to Reference Standard RS10-8 which relates to design specifications for structural lumber. Pending filing and approval of the application by the Board, lumber grade stamped #1 or #2, together with identification of the lumber, regional association or inspection agency, shall be accepted in lieu of construction and standard grades respectively called for on plans.

Stresses for #1 & Appearance or #2 grade stamped lumber shall not exceed that permitted under the present code. You will note in the accompanying tables for structural joists and planks, for Hem-Fir, under column headed "Repetitive" the allowable stresses in bending are 1400 pounds per square inch for #1 and 1150 for #2.

Floor and roof joists placed 24 inches or less center to center are considered repetitive.

Particular attention shall be given as to the actual sizes of lumber delivered to the construction site. New grading rules permit, for surface dry lumber, $\frac{1}{2}$ inch off the nominal size in thickness, and $\frac{1}{2}$ inch off the nominal size for depth, up to and including 6 inches and $\frac{3}{4}$ inches of the nominal size exceeding 6 inches in depth.

Amendments shall be required, to be filed by engineer or architect of record, when such sizes are encountered and are not shown on the approved plans. Net sizes, and stresses heretofore stated for the particular specie of lumber, shall be used in recomputing carrying capacity of the joists.

TVE/WC/sl

cc: Exec. staff

Attachment:

Thomas V. Burke
Thomas V. Burke, P.E.
Director of Operations

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