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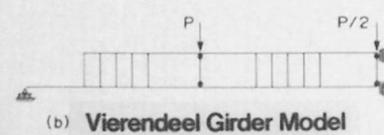
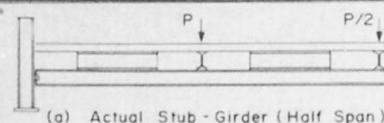
STUB-GIRDER FLOOR SYSTEM



Full Scale Test Program at the University of Saskatchewan

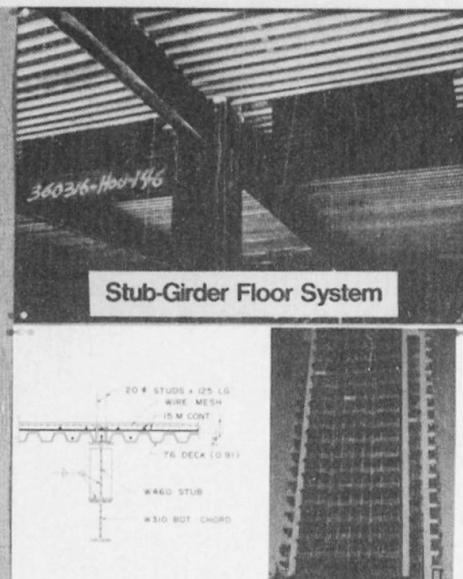
ANALYSIS

Most Common Method of Analysis is to Model the Stub-Girder as a Vierendeel Girder and Then Use a Conventional Stiffness Program



RESEARCH

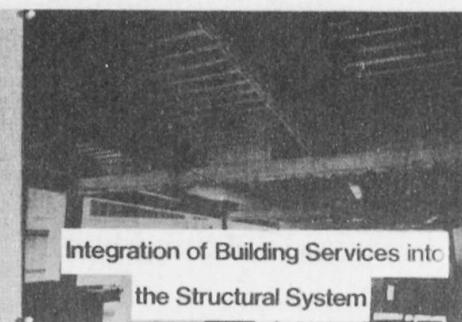
Univ. of Saskatchewan, Saskatoon, Canada
Univ. of Alberta, Edmonton, Canada
Louisiana State Univ., Baton Rouge, U.S.A.
Univ. of Arizona, Tucson, U.S.A.



401 West Georgia Project, Vancouver



Failure Mechanism Observed

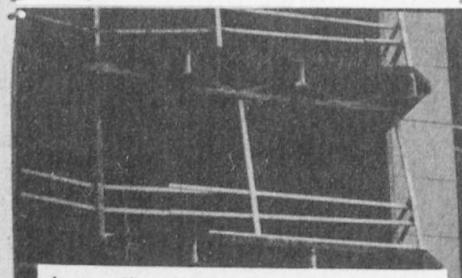


ADVANTAGES:

Integration of Building Services
Simplified Girder to Beam Connection
Reduced Building Heights, Lower Costs

APPLICATIONS IN CANADA:

Building	Storeys	Area (m ²)
Nova Building, Calgary	37	70,000
Manulife Bldg., Edmonton	24	71,000
401 West Georgia Project, Vancouver	22	28,000



Innovative Application of Stub-Girder