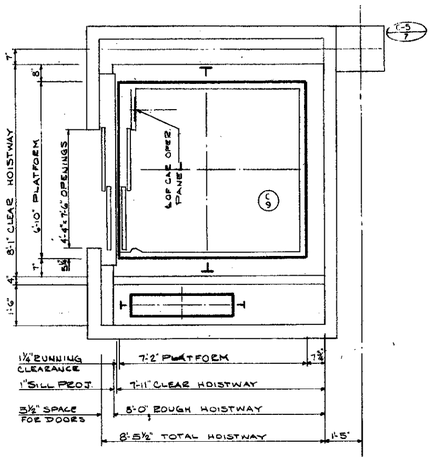
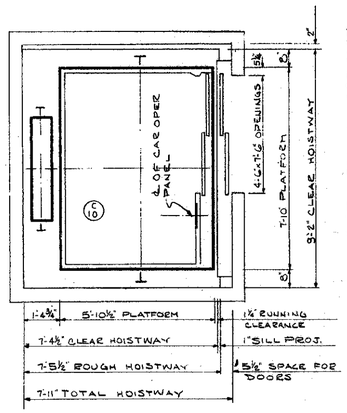
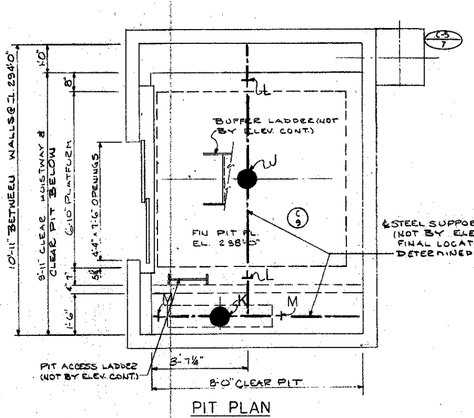


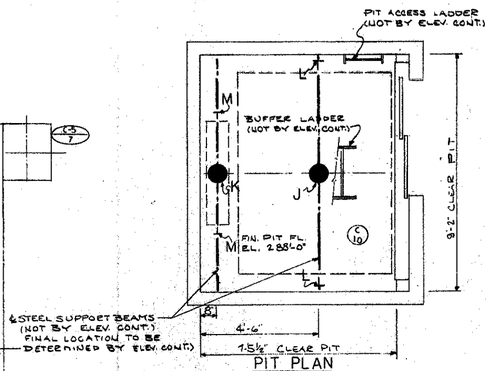
SERVICE ELEVATOR NO C-9
4000 LBS @ 350 F.P.M.
SCALE: ½" = 1'-0"



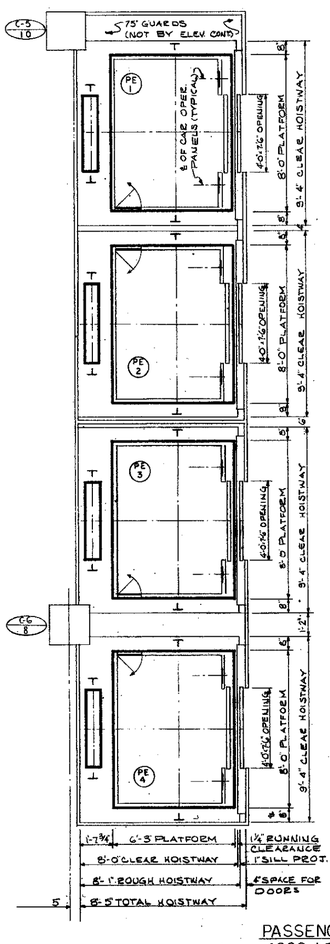
SERVICE ELEVATOR NO. C-10
3500 LBS. @ 350 F.P.M.
SCALE: ½" = 1'-0"

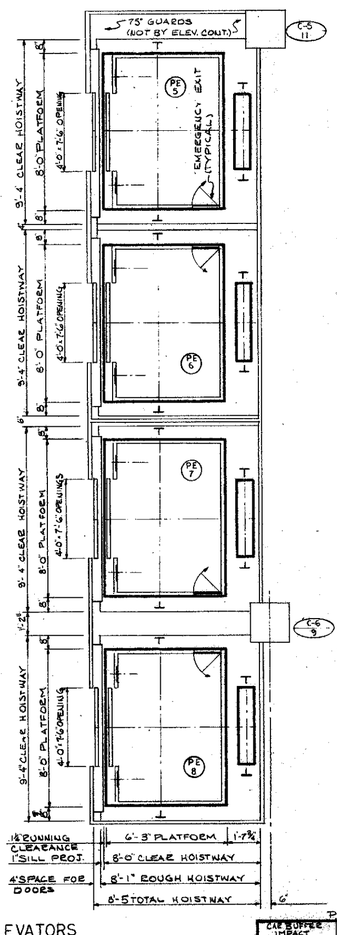


PIT PLAN
SERVICE ELEVATOR NO. C-9
SCALE: ½" = 1'-0"

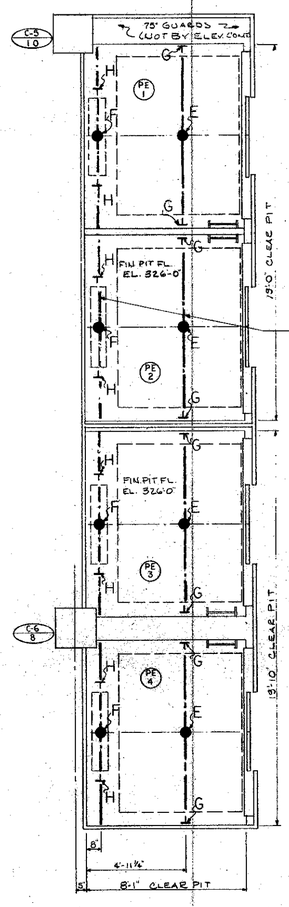


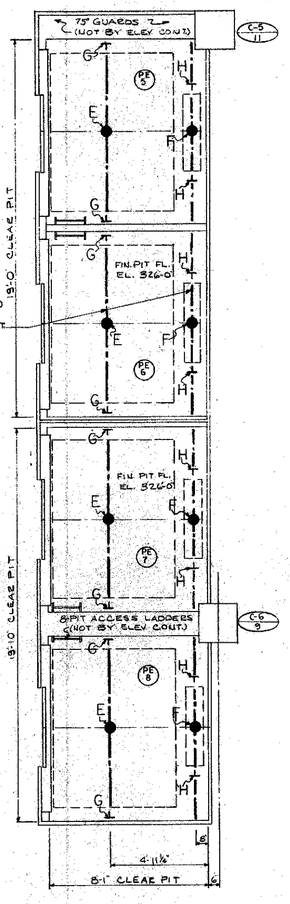
PIT PLAN
SERVICE ELEVATOR NO. C-10
SCALE: ½" = 1'-0"





PASSENGER ELEVATORS
4000 LBS. @ 350 F.P.M.
SCALE: ⅜" = 1'-0"

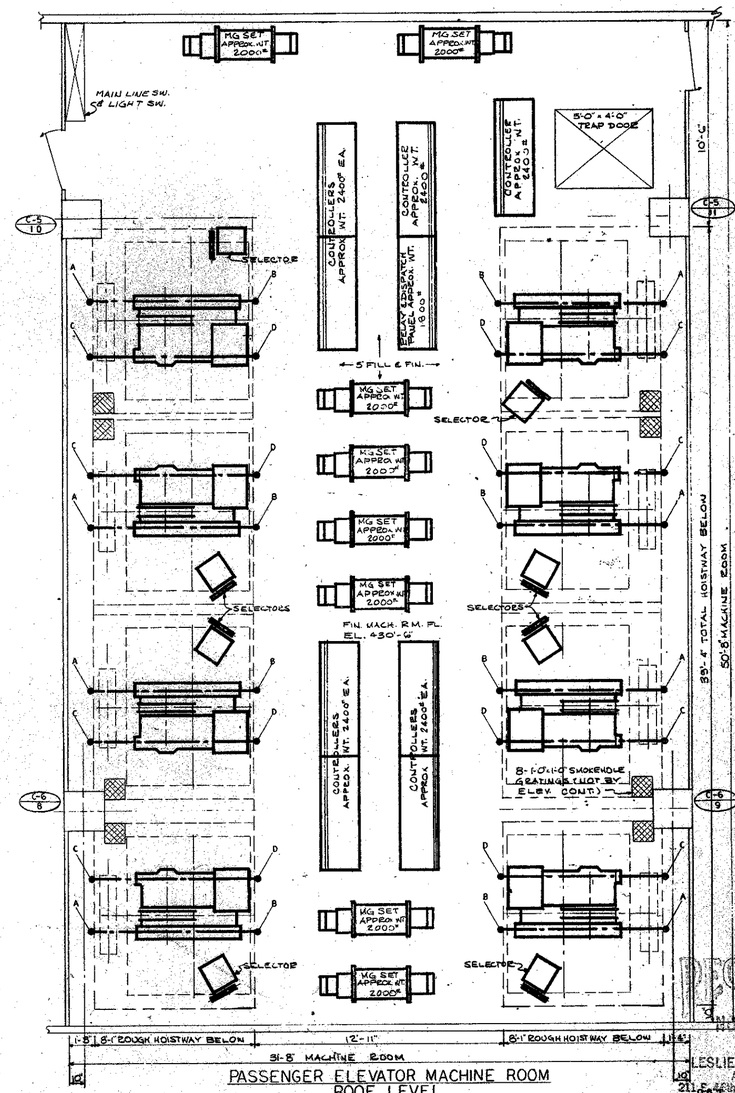




PIT PLAN
PASSENGER ELEVATORS
SCALE: ⅜" = 1'-0"

PIT REACTIONS					
CAR BUFFER IMPACT	E	82.0ᵏ	J	54.0ᵏ
CWT BUFFER IMPACT	F	85.0ᵏ	K	58.0ᵏ
CAR RAIL IMPACT	G	26.0ᵏ	L	28.0ᵏ
CWT RAIL IMPACT	H	21.2ᵏ	M	23.0ᵏ

NOTE: ADJACENT ELEVATORS ACT INDEPENDENTLY OF EACH OTHER. CAR BUFFERS, CWT BUFFERS, CAR RAILS & CWT RAILS ACT INDEPENDENTLY OF EACH OTHER.



PASSENGER ELEVATOR MACHINE ROOM
ROOF LEVEL
SCALE 3/8" = 1'-0"

REACTIONS	
A	24.5ᵏ
B	10.5ᵏ
C	12.6ᵏ
D	10.0ᵏ

NOTE: ALL LIVE LOADS HAVE BEEN DOUBLED FOR IMPACT.

RECEIVED
NOV 19 1968

LESLIE E. ROBERTSON ASSOCIATES
211 E. 43rd ST. N.Y.N.Y. 10017

CONTRACT BID DRAWING Date 12-6-68

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
REVISIONS				REVISIONS			

APPROVED
CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: U.S. CUSTOM HOUSE
PASSENGER & SERVICE ELEVATORS

DRAWN	R.S.C.	CHECKED	C.L.K.
SCALE	AS NOTED	DATE	12-6-68
PROJECT NUMBER		SHEET NO.	OF
DRAWING NUMBER	EL-1		