TABLE 16-A

AMERICAN TABLE OF DISTANCES FOR STORAGE OF EXPLOSIVES*
(Condensed)

Explosives		*Distances in feet When Storage Is Barricaded***			
Pounds Over	*Pounds Not Over*	*Inhabited Buildings*	*Passenger Railways*	*Public Highways*	*Separation of Magazines*
10	20	110	45	45	10
40	50	150	60	60	14
100	125	200	80	80	18
150	200	235	95	95	21
300	400	295	120	120	27
500	600	340	135	135	31
900	1,000	400	160	160	36
1,400	1,600	470	190	175	43
2,000	2,500	545	220	190	49
5,000	6,000	730	295	235	65
8,000	9,000	835	335	255	75
10,000	12,000	875	370	270	82
16,000	18,000	940	420	285	94
20,000	25,000	1,055	470	315	105
35,000	40,000	1,275	550	380	124
50,000	55,000	1,460	610	440	140
70,000	75,000	1,665	675	500	160
95,000	100,000	1,815	745	545	185
140,000	150,000	1,900	850	570	235
190,000	200,000	2,030	935	610	285
275,000	300,000***	2,275	1,075	690	385

Adapted from table of same name approved by the Institute of Makers of Explosives, September 30, 1955

NOTES

*This table applies only to the manufacture and permanent storage of commercial explosives It is not applicable to the transportation of explosives or to any handling or temporary storage necessary or incident thereto It is not intended to apply to bombs, projectiles, or other heavily encased explosives

**Barricaded, as here used signifies that the building containing explosives is screened from other buildings railways and highways, by either natural or artificial barriers Where such barriers do not exist, the distances shown in the table should be doubled

***The Institute of Makers of Explosives does not approve the permanent storage of more than 300 000 pounds of commercial explosives in one magazine

Ample space should be provided between segregated units, from such flame sources as boilers, and from shops, streets, and adjoining property Fig 16-3 shows a well planned layout of the structures in a lacquer manufacturing plant

The codes of local and state authorities and of the National Fire Protection Association should be followed in planning the location of the units of a plant

Where no legal restrictions govern the storage of explosives, magazines should be located and constructed in accordance with the recommendations of the Institute of Makers of Explosives Table 16-A specifies the quantities of explosives that may be stored safely at various distances from inhabited buildings, passenger railways, and public highways

The type of retardant required in relation