

**Appendix J:  
Fire Flow Calculations**

## RESIDENTIAL TOWERS AT 41 BUENA VISTA AVENUE Fire Flow Calculations

PROJECT NAME: TEUTONIA HALL
PROJECT NUMBER: 06252-0003

Phase	GFA 1	GFA 2	GFA 3	Total GFA	Garage GFA 1	GARAGE GFA 2	GARAGE GFA 3	TOTAL GFA (GARAGE)	FIRE FLOW (GPM)	GARAGE FIRE FLOW (GPM)
1	28,047	13,005	13,005	54,057	30,584	30,584	30,584	138,897	2,500	4,000
2	28,047	9,729	9,729	47,505	15,715	15,715	15,715	N/A	2,250	N/A

\*ALL CALCULATIONS BASED ON TABLE B-105.1(2) AND SECTION B104.3 IN APPENDIX B OF 2018 INTERNATIONAL FIRE CODE

\* GFA 1 REPRESENTS GROSS FLOOR AREA (SQ. FT), FIRST FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.

\* GFA 2 REPRESENTS GROSS FLOOR AREA (SQ. FT), SECOND FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.

\* GFA 3 REPRESENTS GROSS FLOOR AREA (SQ. FT), THIRD FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.

**MIXED-USE REDEVELOPMENT AT CHICKEN ISLAND**  
**Fire Flow Calculations**

PROJECT NAME: CHICKEN ISLAND

PROJECT NUMBER: 06252-0006

Phase	GFA 1	GFA 2	GFA 3	Total GFA	GARAGE GFA 1)	GARAGE GFA 2	GARAGE GFA 3	TOTAL GFA (GARAGE)	FIRE FLOW (GPM)	GARAGE FIRE FLOW (GPM)
1	35,095	37,831	6,417	79,343	57,994	57,994	57,994	173,982	3,000	4,500
1a	7,225	0	0	7,225	0	0	0	0	1,500	0
2	24,090	24,090	24,090	72,270	33,970	33,970	24,866	92,806	3,000	4,000
3	10,312	10,312	10,312	30,936	17,158	17,158	14,650	48,966	2,000	N/A
4	23,052	15,127	9,939	48,118	0	0	0	0	2,250	0
5	11,361	11,361	11,361	34,083	11,294	11,294	12,121	34,709	2,000	2,000

\*ALL CALCULATIONS BASED ON TABLE B-105.1(2) AND SECTION B104.3 IN APPENDIX B OF 2018 INTERNATIONAL FIRE CODE

\* GFA 1 REPRESENTS GROSS FLOOR AREA (SQ. FT), FIRST FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.

\* GFA 2 REPRESENTS GROSS FLOOR AREA (SQ. FT), SECOND FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.

\* GFA 3 REPRESENTS GROSS FLOOR AREA (SQ. FT), THIRD FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.

**MIXED-USE DEVELOPMENT AT NORTH BROADWAY**  
**Fire Flow Calculations**

PROJECT NAME: NORTH BROADWAY
PROJECT NUMBER: 06252-0006

Phase	GFA 1	GFA 2	GFA 3	Total GFA	Garage GFA 1	GARAGE GFA 2	GARAGE GFA 3	TOTAL GFA (GARAGE)	FIRE FLOW (GPM)	GARAGE FIRE FLOW (GPM)
1	37,798	35,340	35,340	108,478	33,970	33,970	37,712	105,652	3,500	3,500
2	24,090	24,090	24,090	72,270	0	0	0	0	3,000	0

\*ALL CALCULATIONS BASED ON TABLE B-105.1(2) AND SECTION B104.3 IN APPENDIX B OF 2018 INTERNATIONAL FIRE CODE

\* GFA 1 REPRESENTS GROSS FLOOR AREA (SQ. FT), FIRST FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.

\* GFA 2 REPRESENTS GROSS FLOOR AREA (SQ. FT), SECOND FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.

\* GFA 3 REPRESENTS GROSS FLOOR AREA (SQ. FT), THIRD FLOOR OF THE THREE LARGEST SUCCESSIVE FLOORS.