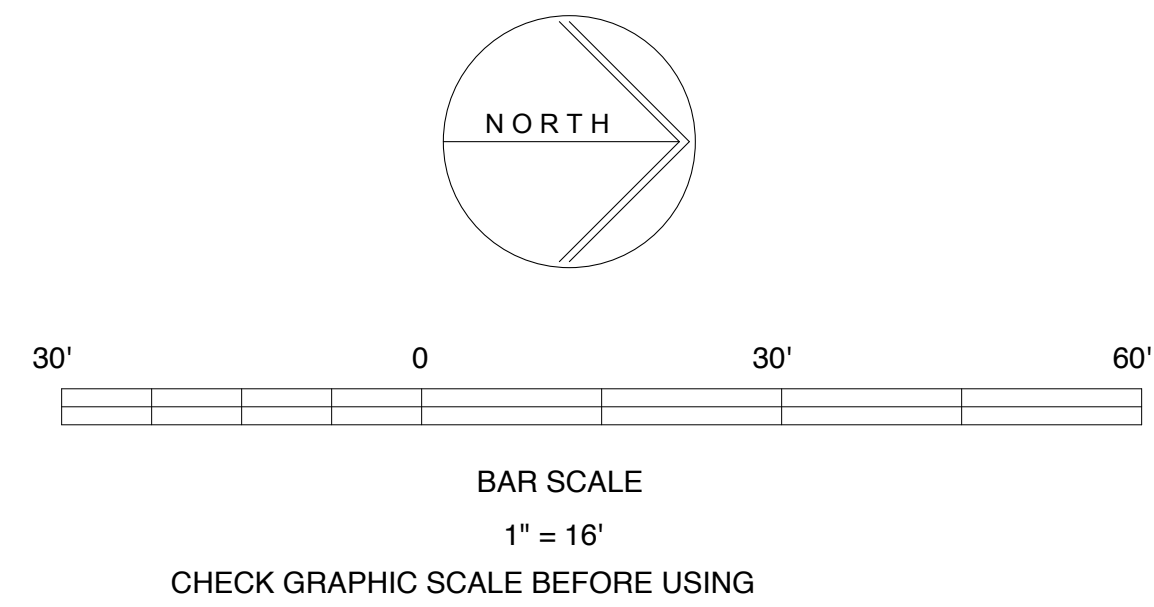


### FIRST FLOOR CODE INFORMATION PLAN

1" = 20' - 0"



**BUILDING CODE SUMMARY**  
**St. John Street Parking Garage**  
 Building Address: Portland, ME

**APPLICABLE CODES (Per MUBEC: Maine Uniform Building and Energy Code)**  
 Building: IBC 2015 (International Building Code)  
 IBC 2009 (International Existing Building Code)  
 Electrical: National Electrical Code 2009  
 Fire Protection: NFPA Life Safety Code 2009 and NFPA 1 Uniform Fire Code 2003  
 Mechanical: International Mechanical Code 2009 (ISHRAE 62.1 2007 and 90.1 2007)  
 Plumbing: Maine State Internal Plumbing Code (LPC 2009)  
 Energy: IECC 2009 (International Energy Conservation Code)  
 Accessibility: ADA 2010 (Americans With Disabilities Act)

**PROJECT DESCRIPTION:**  
 New Construction - Open Parking Garage Meets IBC 406.5 and NFPA 101: 3.3.254.6  
 Proposed Construction Type: Type I B / NFPA II (222)  
 Gross Area Per Tier: 90,800 +/-  
 Height: 8 Tiers / 96'-3" (Top of Speed Ramp Roof Double Tees)  
 Use Group IBC: Open Parking Garage Section 406  
 Use Group NFPA: Open Parking Garage Chapter 42.8  
 High Rise Requirements: Exemptions for Parking Garages IBC 403.1  
 NFPA 101 42.8.4

Automatic Suppression System: No  
 Dry Standpipe System: Yes

**BUILDING CODE REQUIREMENTS (IBC 2015)**  
**Height and Area Summary (Table 406.5.4)**  
 Allowable Height: 12 Tiers  
 Allowable Area: Unlimited

**REQUIRED FIRE RESISTANCE RATINGS**  
 ELEMENT (IBC Table 601/NFPA 101 Table A8.2.1.2) RATING (In Hours)

Primary Structural Frame	2
Bearing Walls:	
Exterior	2
Interior	2
Non-Bearing Walls & Partitions	
Exterior	0
Interior	0
Floor Construction & Secondary Members	2
Roof Construction & Secondary Members	2

**SPECIFIC ROOM RATINGS**  
 RATING (In Hours)

Stairs and Floor Openings	0
Parking Open Ramps	0
Offices - Break Room	0
Electrical	0
Mechanical Room	1
Elevator Shaftway	2

**EXTERIOR WALL PROTECTION**  
 Wall Fire Resistance Rating (Table 602): 0  
 (No rating for 10' or greater per Note c.)  
 Openings Rating (Table 705.8): 0  
 (No rating for 10' or greater per Note g.)

**OCCUPANCY LOADS**  
 NFPA Per Chapter 42.8.1.7: None  
 IBC Per Table 1004.1.2: 1 Per 200 GSF / 454 Per Tier  
 Egress Width Required - Stairs @ 0.3" Per Person: 137"  
 Egress Width Provided: 144" (3) 48" Wide Stairs / 152 Persons Each  
 Stair Exit Door Width Required: 30.4"  
 Stair Exit Door Width Provided: 32" Clear Door @ Each Stair

**OPENNESS CALCULATIONS:**  
**FIRST FLOOR SUMMARY IBC**  
 IBC 2015 SECTION 406.5  
 GROUND FLOOR WALL AREA: 13,536 SF  
 GROUND FLOOR NET OPEN AREA: 7,014 SF  
 OPENNESS RATIO [ 20% REQD ]: 51%  
 OPENINGS DISTRIBUTED AROUND 92% OF THE PERIMETER [ 40% REQD ]

**FIRST FLOOR SUMMARY NFPA**  
 NFPA 101 3.3.254.6  
 GROUND FLOOR PERIMETER: 1,332 LF  
 GROUND FLOOR NET OPEN AREA: 7,014 SF  
 OPEN AREA PER LF [ 1.4 SF REQD ]: 5.2 SF/LF  
 OPENINGS DISTRIBUTED AROUND 92% OF THE PERIMETER [ 40% REQD ]

Appr	
Issued For	RESPONSE TO COMMENTS SUBMISSION
Date	7/24/18
Rev No	A

MMC ST. JOHN ST PG  
 PORTLAND, ME  
 CODE INFORMATION PLANS

Designed	MMW	Date	AS NOTED
Checked	MMW	Date	6/22/18
Checked	MMW	Becker Job Number	4070.1

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF BECKER STRUCTURAL ENGINEERS INC. IT SHALL NOT BE REPRODUCED, COPIED, LENT OR LOANED OR DIRECTLY OR INDIRECTLY USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SPECIFICALLY PREPARED AND MUST BE RETURNED TO BECKER STRUCTURAL ENGINEERS INC. ON COMPLETION OF WORK, IF REQUESTED.

NOT FOR CONSTRUCTION  
 LEVEL III SITE PLAN APPLICATION  
 6 / 22 / 18