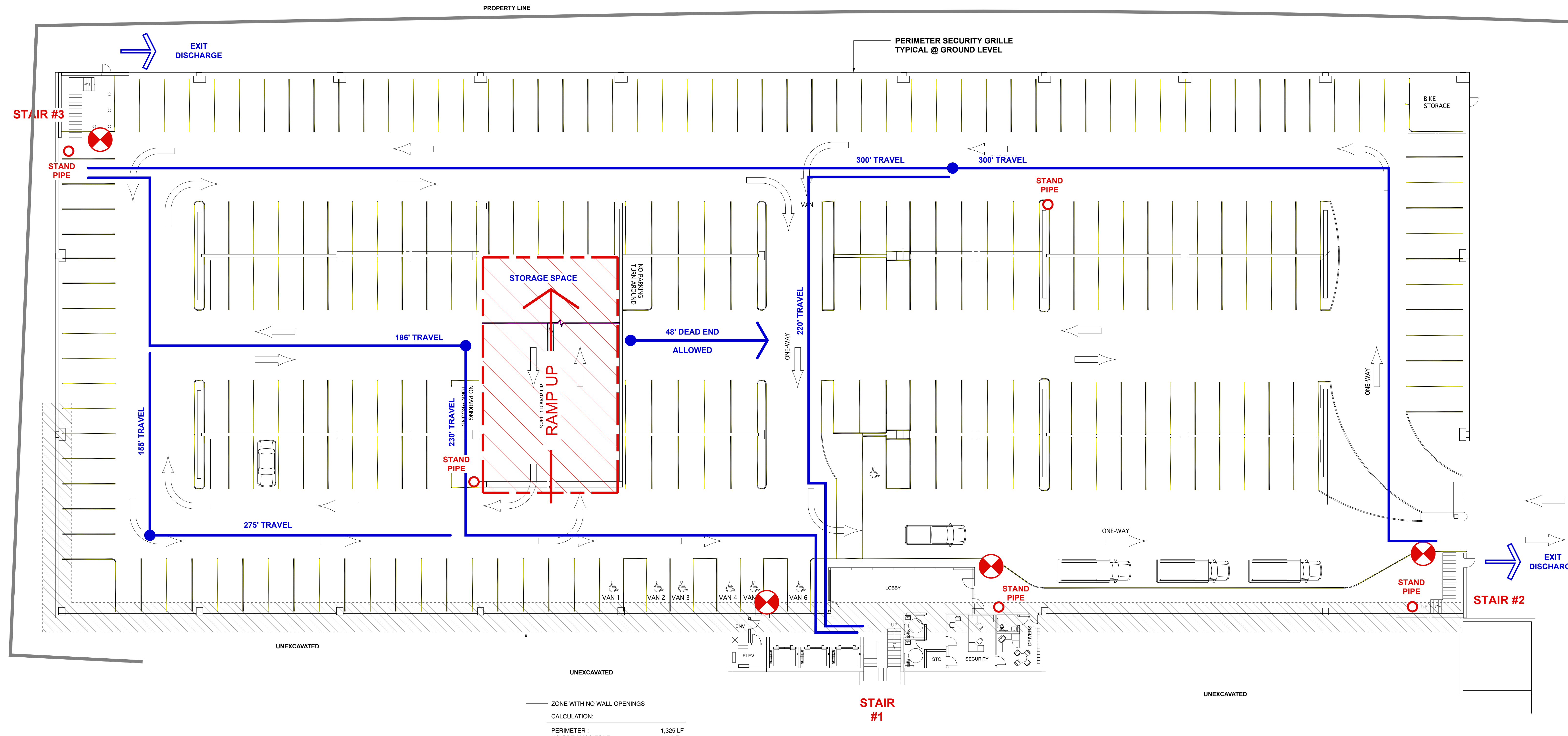
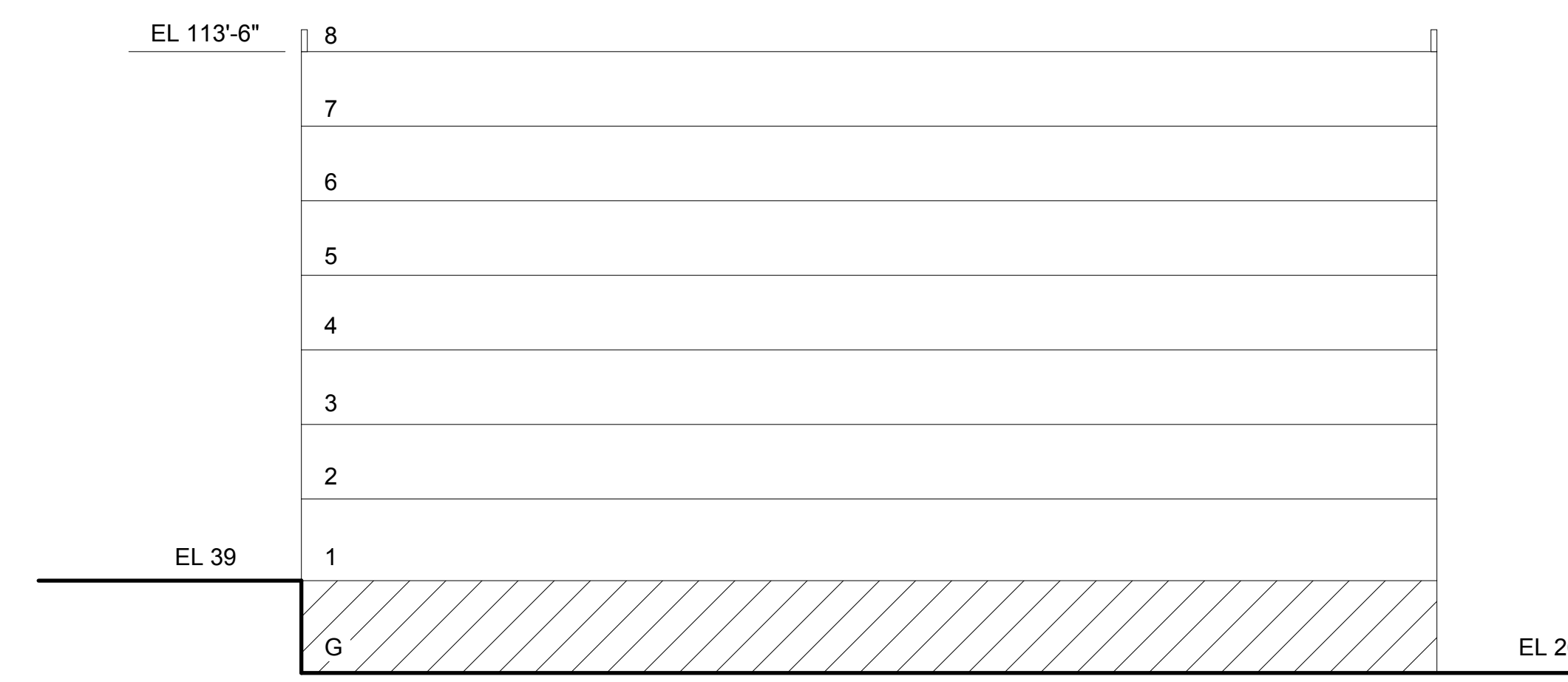


RAILROAD TRACKS

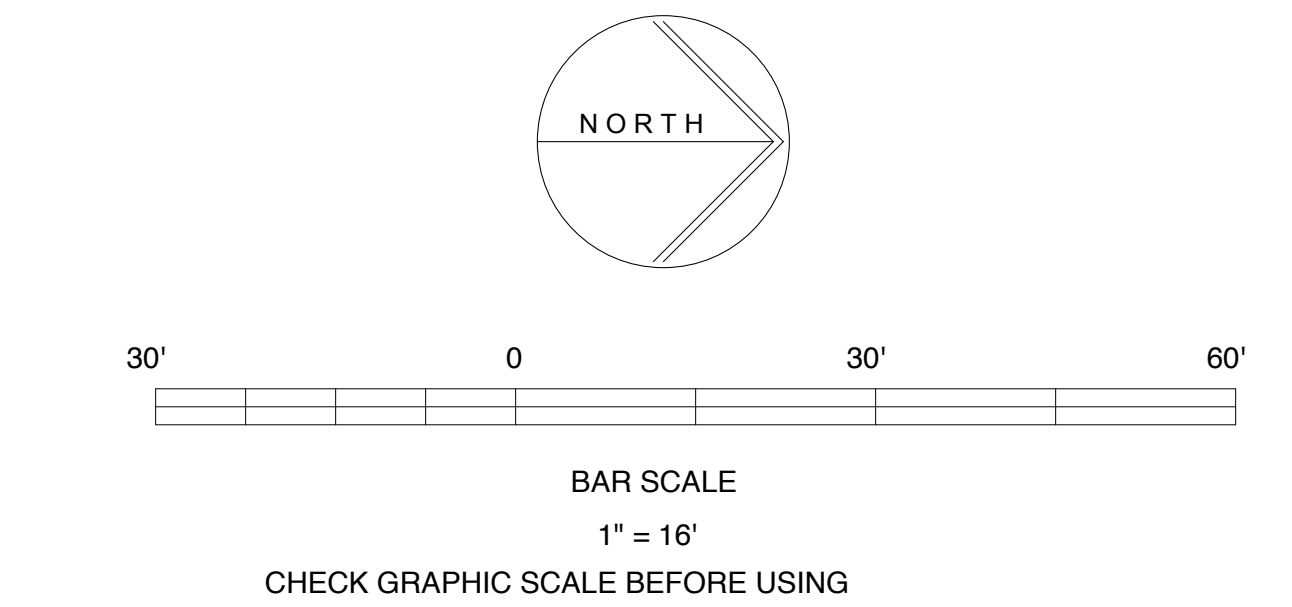


ZONE WITH NO WALL OPENINGS
CALCULATION:
PERIMETER: 1,325 LF
NO OPENINGS ZONE: 577 LF
NO OPENINGS ZONE PERCENTAGE: 43.6%
OPENINGS DISTRIBUTED OVER: 56.4%



GROUND 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)
IEBC 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 (ISH/MAE 02.1 2007 and 90.1 2007)
Plumbing: Maine State Internal Plumbing Code (LUPC 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
Floor 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:
GROUND FLOOR SUMMARY IBC
IBC 2015 SECTION 406.5
GROUND FLOOR WALL AREA: 13,538 SF
GROUND FLOOR NET OPEN AREA: 5,010 SF
OPENNESS RATIO [20% REQD]: 37%
OPENINGS DISTRIBUTED AROUND 56% OF THE PERIMETER [40% REQD]

GROUND FLOOR SUMMARY NFPA
NFPA 101 3.3.254.6
GROUND FLOOR PERIMETER: 1,312 LF
GROUND FLOOR NET OPEN AREA: 5,010 SF
OPEN AREA PER LF [1.4 SF REQD]: 3.7 SF/LF
OPENINGS DISTRIBUTED AROUND 56% OF THE PERIMETER [40% REQD]



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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	Reker Job Number	4070.1

G 101

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