

REICHE ELEMENTARY SCHOOL ELEVATOR ADDITION

PORTLAND PUBLIC SCHOOLS, PORTLAND, MAINE



TGB
CET
JMC
DESIGNED BY:
DRAWN BY:
CHECKED BY:
PROJECT:
21602.06

REICHE ELEMENTARY SCHOOL
PORTLAND SCHOOL DEPARTMENT
353 Cumberland Avenue
Portland, ME 04102

REICHE ELEMENTARY
ELEVATOR ADDITION
166 Brackett Street
Portland, ME 04102

LIST OF DRAWINGS, MAPS, AND ABBREVIATIONS

SCALE: AS NOTED
DATE: 04-29-2016
DWG.: G001
SHEET: 1 OF 40

LIST OF DRAWINGS

SHEET NUMBER	DISCIPLINE SHEET	TITLE
1 OF 40	G-001	LIST OF DRAWINGS, MAPS, NOTES, AND ABBREVIATIONS
2 OF 40	C-001	CIVIL NOTES, LEGEND, AND EROSION CONTROL/SITE DETAILS
3 OF 40	CS101	SITE PLANS
4 OF 40	C-501	SITE DETAILS
5 OF 40	S-001	STRUCTURAL NOTES, DESIGN LOADS, AND ABBREVIATIONS
6 OF 40	SD101	EXISTING FOUNDATION AND 2ND FLOOR FRAMING REMOVALS PLAN
7 OF 40	SD501	STRUCTURAL REMOVALS DETAILS
8 OF 40	SB101	FOUNDATION PLAN
9 OF 40	SB501	FOUNDATION DETAILS 1
10 OF 40	SB502	FOUNDATION DETAILS 2
11 OF 40	SF101	FLOOR FRAMING PLAN
12 OF 40	SF102	UPPER ROOF FRAMING PLAN
13 OF 40	SF201	MASONRY WALL ELEVATIONS
14 OF 40	SF401	RAMP/ELEVATED PLATFORM FRAMING PLAN
15 OF 40	SF501	STRUCTURAL DETAILS 1
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17 OF 40	SF503	STRUCTURAL DETAILS 3
18 OF 40	SF504	STRUCTURAL DETAILS 4
19 OF 40	AD101	FIRST AND SECOND FLOOR REMOVALS PLAN
20 OF 40	AD201	PARTIAL BUILDING REMOVALS ELEVATIONS AND DETAILS
21 OF 40	AE101	PARTIAL FIRST AND SECOND FLOOR PLANS AND DETAILS
22 OF 40	AE120	PARTIAL ROOF PLAN AND DETAILS
23 OF 40	AE201	PARTIAL BUILDING ELEVATIONS
24 OF 40	AE220	PARTIAL BUILDING SECTIONS AND WALL SECTIONS
25 OF 40	AE221	WALL SECTIONS AND DETAILS
26 OF 40	AE222	CANOPY AND WALL DETAILS
27 OF 40	AE420	ENLARGED STAIR PLANS, SECTIONS, AND DETAILS
28 OF 40	AE421	ENLARGED RAMP, STAIR, & ELEVATOR PLANS, SECTIONS, AND DETAILS
29 OF 40	AE620	DOOR, WINDOW, & STOREFRONT DETAILS, TYPES, & SCHEDULES
30 OF 40	M-001	MECHANICAL LEGENDS, SYMBOLS, ABBREVIATIONS AND DETAILS
31 OF 40	MD101	FIRST AND SECOND FLOOR MECHANICAL REMOVALS PART PLANS
32 OF 40	M-101	FIRST AND SECOND FLOOR MECHANICAL PART PLANS
33 OF 40	M-601	MECHANICAL SCHEDULES AND CONTROL DIAGRAMS
34 OF 40	P-001	PLUMBING LEGENDS, SYMBOLS, AND ABBREVIATIONS
35 OF 40	P-101	FIRST AND SECOND FLOOR PLUMBING PART PLANS
36 OF 40	P-102	ROOF PLUMBING PART PLAN, DETAILS AND SCHEDULE
37 OF 40	E-001	ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
38 OF 40	ED101	FIRST AND SECOND FLOOR PARTIAL ELECTRICAL REMOVALS PLANS
39 OF 40	EP101	FIRST AND SECOND FLOOR PARTIAL ELECTRICAL COMMUNICATIONS PLANS AND SCHEDULE
40 OF 40	EL101	FIRST AND SECOND FLOOR PARTIAL ELECTRICAL LIGHTING AND FIRE ALARM PLANS

LEGEND

	COLUMN GRID LINE		REMOVE OR DEMO ITEM
	DETAIL NUMBER		PROVIDE OR INSTALL ITEM
	SHEET WHERE DETAIL IS DRAWN		EXISTING ITEM
	KEY NOTE		ELEVATION TARGET
	LIMIT OF WORK		SLOPE
	DETAIL NUMBER SHEET WHERE DETAIL IS DRAWN SHEETS WHERE DETAIL IS TAKEN		
	INDICATES DIRECTION OF CUTTING PLANE WALL SECTION OR ELEVATION NUMBER SHEET WHERE WALL SECTION OR ELEVATION IS DRAWN SHEETS WHERE WALL SECTION OR ELEVATION IS TAKEN		

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING WORK.
2. ALL WORK INCLUDED IN THIS CONTRACT SHALL CONFORM TO ALL STATE, NATIONAL AND OTHER CODES AND ORDINANCES WHICH ARE APPLICABLE TO THIS PROJECT.
3. WORK FROM GIVEN DIMENSIONS AND LARGE SCALE DETAILS ONLY. DO NOT SCALE DRAWINGS.
4. DO NOT PENETRATE EXISTING OR NEW BEAMS, GIRDERS, WAFFLE SLABS OR OTHER STRUCTURAL MEMBERS UNLESS SHOWN OTHERWISE ON THE STRUCTURAL DRAWINGS.
5. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A NEAT, CLEAN AND SAFE CONDITION.
6. THE CONTRACTOR SHALL DISPOSE OF AND/OR RECYCLE ANY CONSTRUCTION DEBRIS FROM THE PROJECT AS REQUIRED BY THE STATE OF MAINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DISPOSAL PERMITS WHICH ARE REQUIRED. CONSTRUCTION DEBRIS FROM THE PROJECT SHALL BE DISPOSED OF IN A STATE APPROVED LANDFILL.
7. ALL WORK SHALL BE PROVIDED IN COMPLIANCE WITH THAT INDUSTRIES' STANDARDS AND PERFORMED IN A WORKMANLIKE PROFESSIONAL MANNER.

ABBREVIATIONS

±	PLUS/MINUS	HDPE	HIGH DENSITY POLYETHYLENE	REINF	REINFORCED
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	IN	INCH(ES)	SAT	SUSPENDED ACOUSTICAL TILE
BD	BOARD	INSUL	INSULATION	SF	SQUARE FEET
CL	CENTERLINE	INV	INVERT	SIM	SIMILAR
CONC	CONCRETE	MAX	MAXIMUM	SS	STAINLESS STEEL
DIA	DIAMETER	MIN	MINIMUM	STL	STEEL
ED	EXIST DRAIN	mm	MILLIMETER(S)	STRUCT	STRUCTURAL
EV	EXIST VENT	MTL	METAL	SYS	SYSTEM
EF	EXIST FAN	N	NORTH	TOS	TOP OF STEEL
EP	EXIST PITCH POCKET	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	TYP	TYPICAL
EPDM	ETHYLENE PROPYLENE DIENE TERPOLYMER	PLYWD	PLYWOOD	VIF	VERIFY IN FIELD
ELEV, EL	ELEVATION	PSF	POUNDS PER SQUARE FOOT	W/	WITH
EXIST	EXISTING	PT	PRESSURE TREATED	WD	WOOD
FFE	FINISH FLOOR ELEVATION				
FRT	FIRE RETARDANT TREATED				

GENERAL CODE INFORMATION

APPLICABLE LIFE SAFETY/BUILDING CODES: (Refer to Division 1 Specification for all applicable code references)
International Building Code, 2009 Edition (IBC)
The Life Safety Code, NFPA 101, 2009 Edition (NFPA)

BUILDING AND LIFE SAFETY CODE SUMMARY

<p>OCCUPANCY CLASSIFICATION: Mixed, Non-Separated Occupancy IBC - E/A-2/A-3 NFPA - Educational/Assembly</p> <p>TYPE OF CONSTRUCTION: IBC Type IIB-Non-Combustible Exterior Walls NFPA Type II(000)-Non-Combustible Construction</p> <p>HEIGHT AND AREA: Height: 75' Allowable/25' Actual Stories: 3 stories Allowable/2 stories Actual Area per zone (footprint) - sprinkler and yardage height and area increases used:</p> <p>EXTERIOR FIRE RESISTANCE RATINGS: Exposure to Other Buildings: No rating required (Fire Separation Distance > 30') Stair Enclosures and Horizontal Exits with Exterior Wall Exposure at < 180°: 1 hour required Fire Wall Intersection with Exterior Walls: 1 hour required Roof Rating: 1 hour required at low roof intersection with fire walls Class B roof covering required</p> <p>INTERIOR FIRE RESISTANCE RATINGS: Fire Walls: 3 hours required Stair Enclosures: 1 hour required Elevator Shafts: 1 hour required Ductwork Shafts: NA Corridors: smoke partitions required Horizontal Exits: 2 hours required Elevator Machine Room: 1 hour required</p>	<p>STRUCTURAL ELEMENTS - FIRE RESISTANCE RATINGS REQUIRED FOR THE TYPE OF CONSTRUCTION: Exterior load bearing walls: 2 hours Exterior non-load bearing walls: 0 hour, non-combustible Non-load bearing partitions: 0 hour Interior load bearing walls: 0 hour Structural Frame: 0 hour Floor Construction: 0 hour Roof Construction: 0 hour</p> <p>OCCUPANCY LOAD FACTORS: Educational: 20 gross SF per occupant Gymnasiums used as gymnasium: 15 net SF per occupant Gymnasiums used for seating: 7 net SF per occupant Bleachers: 18" per occupant Cafeteria used as cafeteria: 15 net SF per occupant Cafeteria used for seating: 7 net SF per occupant Stage: 15 net SF per occupant Music Rooms: 15 net SF per occupant Library: 50 net SF per occupant Mechanical Spaces: 300 gross SF per occupant Storage Rooms: 300 gross SF per occupant</p> <p>CAPACITY OF EGRESS COMPONENTS: Clear Width per person: 0.2" per person for doors 0.3" per person for stairs</p> <p>COMMON PATH, DEAD-END, AND TRAVEL DISTANCE LIMITS: Travel Distance: 200' Allowable/xx' Actual Common Path of Travel from Educational Occupancies: 75' Allowable/xx' Actual Dead Ends: 20' Allowable/xx' Actual</p>
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