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ADDITION TO BAYSIDE BOWL  
ALDER STREET  
PORTLAND, MAINE



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PROJECT No. 1452

DRAWN BY: JPF / RRT / RJS

CHECKED BY: RJS

SCALE: AS NOTED

SHEET TITLE:  
EXTERIOR WALL,  
FLOOR, SLAB AND  
ROOF TYPES

A0-1

GRAPHIC DEPICTION

EXTERIOR

STAIR OR ELEVATOR SHAFT SIDE

DESCRIPTION

TOTAL WALL R-VALUE = 21

- 1 HR FIRE RATED PRE-ENGINEERED WALL SYSTEM
- EXTERIOR SIDING
- DRAINAGE PLANE
- CERAMIC FIBER WRAP
- 2" POLYISOCYANURATE INSULATION (R-10)
- METAL FRAMING
- MINERAL WOOL BATT INSULATION
- VAPOR BARRIER
- 10" CAST IN PLACE CONCRETE WALL REFER TO STRUCTURAL DRAWINGS FOR REINFORCING (AT STAIR ONLY)
- 1/2" MTL RESILIENT CHANNEL 16" O.C.
- 5/8" HIGH IMPACT GWB
- METAL HAT CHANNELS 16" O.C.
- LAYER OF 5/8" TYPE-X GWB

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
E4	2 HR	SIM U905	N/A	N/A

GRAPHIC DEPICTION

DESCRIPTION

TOTAL ROOF R-VALUE 22

- .060 EPDM ROOF MEMBRANE MECHANICALLY FASTENED
- ROOF UNDERLAYMENT BOARD PER EPDM MANUFACTURERS INSTRUCTICONS
- 1" POLYISOCYANURATE INSULATION (R20.1)
- GALVANIZED STEEL CORRUGATED DECK (SEE STRUCTURAL DRAWINGS)
- LIGHT GAUGE STEEL FRAMING AT 16" O.C. (SEE STRUCTURAL DRAWINGS)
- 5" SPRAY FOAM INSULATION
- 1/2" METAL HAT CHANNEL
- (3) LAYERS OF 5/8" TYPE 'X' GWB

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
R4	1 HR	N/A	N/A	N/A

GRAPHIC DEPICTION

EXTERIOR

INTERIOR

DESCRIPTION

TOTAL WALL R-VALUE = 21

- 4" BRICK VENEER
- STAINLESS STEEL ADJUSTABLE MASONRY TIES 16" O.C. VERTICAL AND HORIZONTAL
- 2" AIR SPACE
- 2" EXTRUDED POLYSTYRENE RIGID INSULATION BOARD (R-10 MIN)
- DRAINAGE PLANE (SHOWN DASHED)
- 5/8" TYPE-X EXTERIOR GYPSUM SHEATHING
- 6" METAL STUD FRAMING 16" O.C. (NON LOAD BEARING WALL) WITH DEFLECTION HEAD TRACK
- 6" MINERAL WOOL BATT INSULATION
- VAPOR BARRIER
- METAL HAT CHANNELS 16" O.C.
- (3) LAYERS OF 5/8" TYPE-X GWB

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
E3	2 HR	U 418	N/A	N/A

5/8" ACOUSTICAL MATERIAL (P/S) 5 SIDED ENCLOSURE TRAPEZOIDAL CROSS SECTION 5/8" MINIMUM CLEARANCE TO LIGHT FIXTURE

UL LISTED RECESSED LIGHT FIXTURE

TYPICAL RECESSED LIGHT FIXTURE DETAIL AT CEILINGS F1, R1 AND R2

GRAPHIC DEPICTION

DESCRIPTION

TOTAL ROOF R-VALUE 22

- .060 EPDM ROOF MEMBRANE MECHANICALLY FASTENED
- ROOF UNDERLAYMENT BOARD PER EPDM MANUFACTURERS INSTRUCTICONS
- TAPERED INSULATION
- 3" POLYISOCYANURATE INSULATION (R20.1)
- 5/8" TYPE-X DENS DECK ROOF SHEATHING
- GALVANIZED STEEL CORRUGATED DECK (SEE STRUCTURAL DRAWINGS)
- STEEL BUILDING FRAME AND PURLINS BY PEMB, SLOPED TOP
- 8" LIGHT GAUGE STEEL FRAMING AT 12" O.C. (SEE STRUCTURAL DRAWINGS)
- 1/2" METAL HAT CHANNEL
- (4) LAYERS OF 5/8" TYPE 'X' GWB

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
R3	2 HR	N/A	N/A	N/A

GRAPHIC DEPICTION

DESCRIPTION

- FINISHED FLOOR PER SCHEDULE
- CONCRETE SLAB ON GALVANIZED STEEL CORRUGATED DECK (SEE STRUCTURAL DRAWINGS)
- STEEL PRIMARY BEAMS (SEE STRUCTURAL DRAWINGS)
- STEEL BAR JOIST (SEE STRUCTURAL DWGS)

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
F1	N/A	N/A	N/A	N/A

GRAPHIC DEPICTION

EXTERIOR

INTERIOR

DESCRIPTION

TOTAL WALL R-VALUE = 19

- 1 HR FIRE RATED PRE-ENGINEERED WALL SYSTEM
- EXTERIOR SIDING
- DRAINAGE PLANE
- THERMAL BLOCKS
- PURLINS BY PEMB
- VAPOR BARRIER FACED BATT INSULATION
- METAL HAT CHANNELS 16" O.C.
- 2 LAYERS OF 5/8" TYPE-X GWB

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
E2	1 HR	U048	N/A	N/A

GRAPHIC DEPICTION

DESCRIPTION

TOTAL ROOF R-VALUE 22

- .060 EPDM ROOF MEMBRANE MECHANICALLY FASTENED
- ROOF UNDERLAYMENT BOARD PER EPDM MANUFACTURERS INSTRUCTICONS
- TAPERED INSULATION
- 3" RIGID MINERAL FIBER INSULATION (R20.1)
- 5/8" TYPE-X DENS DECK ROOF SHEATHING
- GALVANIZED STEEL CORRUGATED DECK (SEE STRUCTURAL DRAWINGS)
- STEEL PRIMARY BEAMS (SEE STRUCTURAL DRAWINGS) WITH 1 HR GWB WRAP
- STEEL BAR JOIST (SEE STRUCTURAL DWGS)
- 16 GAUGE COLD ROLLED CHANNELS 1-1/2" DEEP WITH 9/16" FLANGES. ON TOP OF BOTTOM CHORD FOR HANGER WIRE ATTACHMENT
- GALVANIZED STEEL HANGER WIRE ATTACHED TO CHANNELS
- FIRE RATED ACOUSTICAL CEILING TILE MAIN RUNNER SUPPORT SYSTEM AND CROSS MEMBERS WITH CLIPS
- FIRE RATED ACOUSTICAL CEILING TILE

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
R2	2 HR	P266	N/A	N/A

GRAPHIC DEPICTION

DESCRIPTION

TOTAL SLAB R-VALUE = 10

- FINISH FLOOR PER SCHEDULE
- 6" CONCRETE STRUCTURAL SLAB (SEE STRUCTURAL DRAWINGS)
- 2" EXTRUDED POLYSTYRENE INSULATION BOARD (R-10)
- HIGH DENSITY POLYETHYLENE MOISTURE BARRIER (15 MIL)
- 6" CRUSHED STONE FILL (SEE STRUCTURAL DRAWINGS) (NOTE 12" OF STONE AT RADON PIPES)
- GEO-TEXTILE FABRIC UNDER WHOLE SLAB
- UNDISTURBED EARTH

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
S1	N/A	N/A	N/A	N/A

GRAPHIC DEPICTION

EXTERIOR

INTERIOR

DESCRIPTION

TOTAL WALL R-VALUE = 19

- PRE-ENGINEERED WALL SYSTEM
- EXTERIOR SIDING
- GALV. MTLT HAT CHANNEL 24" O.C.
- DRAINAGE PLANE
- THERMAL BLOCKS
- PURLINS BY PEMB
- VAPOR BARRIER FACED BATT INSULATION
- METAL HAT CHANNELS 16" O.C.
- LAYER OF 5/8" GWB

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
E1	N/A	N/A	N/A	N/A

GRAPHIC DEPICTION

DESCRIPTION

TOTAL ROOF R-VALUE 22

- .060 EPDM ROOF MEMBRANE MECHANICALLY FASTENED
- ROOF UNDERLAYMENT BOARD PER EPDM MANUFACTURERS INSTRUCTICONS
- TAPERED INSULATION
- 3" POLYISOCYANURATE INSULATION (R20.1)
- GALVANIZED STEEL CORRUGATED DECK (SEE STRUCTURAL DRAWINGS)
- STEEL BUILDING FRAME AND PURLINS BY PEMB, SLOPED TOP
- METAL FURRING CHANNELS 26 MSG 2-9/16" WIDE BY 7/8" DEEP AT 16" O.C. SECURED TO EACH PURLIN WITH 18SWG GALV. STEEL WIRE
- 5/8" EXTERIOR DENSGLAS
- FULL SKIM COAT, ENTIRE CEILING SURFACE

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
R5	N/A	N/A	N/A	N/A

GRAPHIC DEPICTION

DESCRIPTION

TOTAL ROOF R-VALUE 22

- .060 EPDM ROOF MEMBRANE MECHANICALLY FASTENED
- ROOF UNDERLAYMENT BOARD PER EPDM MANUFACTURERS INSTRUCTICONS
- TAPERED INSULATION
- 3" POLYISOCYANURATE INSULATION (R20.1)
- GALVANIZED STEEL CORRUGATED DECK (SEE PEMB DRAWINGS)
- STEEL BUILDING FRAME AND PURLINS BY PEMB, SLOPED TOP

TYPE	FIRE RATING	UL NUMBER	STC RATING	IIC RATING
R1	N/A	N/A	N/A	N/A