### GENERAL NOTES - VISUAL NOTIFICATION

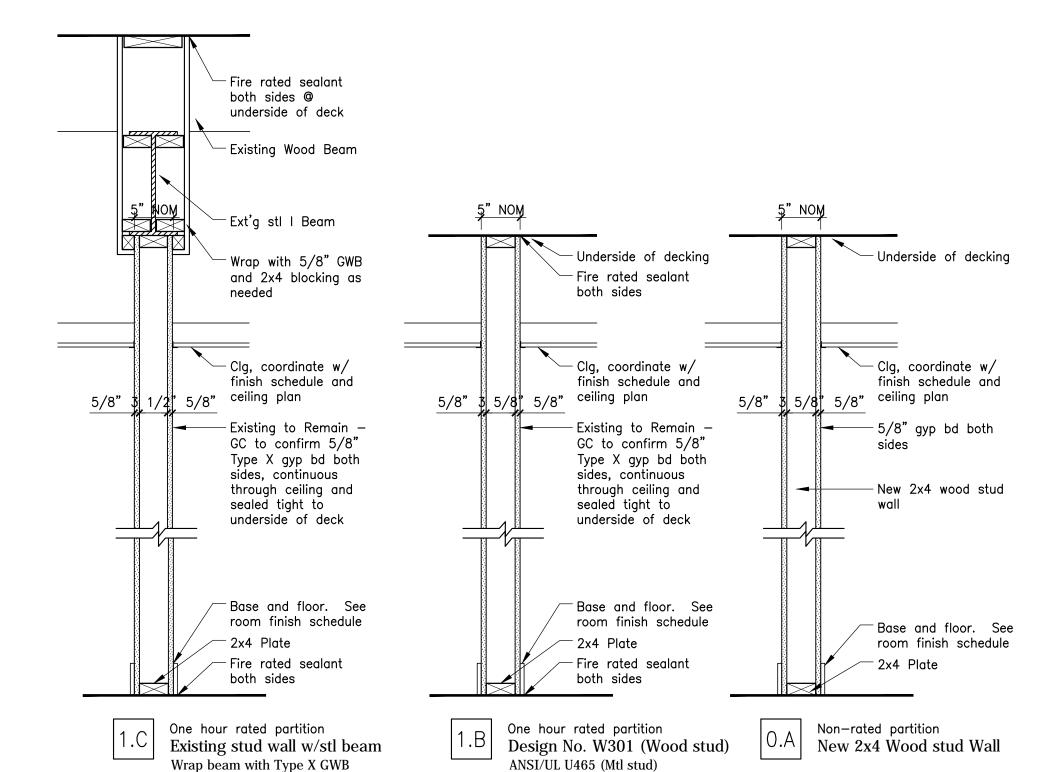
- Audible sound level of fire alarm horns shall be at least 15 dB above the average ambient sound level or 5 dB above the maximum sound level having a duration of at least 60 seconds.
- 2. An average ambient sound level greater than 105 dBA shall require the use of visible notification.
- 3. The total sound pressure level produced by combining the ambient sounds pressure level with all audible notification appliances operating shall not exceed 110 dBA at the min hearing distance.

#### GENERAL NOTES - VISUAL NOTIFICATION

- Flash rate of strobe shall not exceed two flashes per second (2Hz) nor be less than one flash every second (1Hz) throughout the listed voltage range of the appliance.
   Maximum pulse duration shall be 0.2 seconds with a
- maximum duty cycle of 40%
  Wall mounted strobes shall be mounted such that the
- 3. Wall mounted strobes shall be mounted such that the entire lens is not less than 80" and not greater then 96" above the finished floor or at mounting height specified using the performance—based alternative.
- 4. If two groups of strobes are in the same room or visible, each group shall be synchronized, including if strobes are operated by separate systems.
- 5. In square rooms w/ strobes not centered or in non—square rooms, the effective intensity from one strobe shall be determined by the max room size dimension by measuring the distance to the farthest wall or by doubling the distance to the farthest adjacent wall, whichever is greater.
- 6. Strobes shall be located not more than 15' from the end of a corridor with a separation not greater than 100' and shall flash in synchronization. The effective intensity shall be rated not less than 15 cd.

#### acticetion joints.

- 3. Provide tile backer board at walls scheduled to receive ceramic tile.
- 5. Lay out steel studs to conform to 4'-0" module where required to install gypsum board vertically to comply with tested fire—rated wall assemblies.
- 6. Penetrations through walls to be acoustically or smoke sealed shall have sealant system conforming to approved installations.



#### SYMBOL LEGEND

LED Exit Light (unswitched)

LED Exit Light w/ Directional Arrow (unswitched)

LED Exit Light w/ Directional Arrow (unswitched)

Self Contained, wall—mounted, Emergency Lighting Unit with 2 Heads and battery backup

Self Contained, ceiling—mounted, Emergency Lighting Unit with 2 Heads and battery backup

Single Head Remote Emergency Light

Fire Alarm Audio/Visual, mount 6'-8" AFF, dB Level in (cd) Field (Candela Level)

SD Fire Alarm Visual Strobe only, Flush mount 6'-8" AFF, (cd) (Candela Level)

System connected Smoke Detector, photoelectric type w/ Sounder base

Fire Alarm pull station, mount 48" AFF

Fire Alarm Annunciator, location to be approved by Portland Fire Department

Knox Box (location and type to be approved by Portland Fire Department)

FEC-# Fire extinguisher cabinet and type

ETR Existing to Remain

Magnetic Hold Open (requires smoke detectors located MHO on each side of door and connected to sprinkler system)

WP Exterior grade / waterproof

#### NOTES

- Life safety equipment and locations shall conform to all applicable codes.
- 2. Fully test and inspect sprinkler system.
- Fully test and inspect sprinkler system.
   Provide duct smoke detectors at each 2,000 CFM supply
- 4. Provide duct smoke detectors at each 15,000 CFM supply
- and exhaust duct.
- 5. Obtain water supply flow test if available within last three years, if not available test must be conducted.
- 6. All sprinkler heads must be quick response type.
- 7. Electrical outlets shall be provided for all plug—in equipment. All other outlets shall be located per all
- applicable codes.

  8. Provide laminated floor plan at each public room indicating direction to building exit.

## Fire Extinguisher Cabinet

FEC Fire Extinguisher Cabinet by Larsen or approved equivalent. Include Class K hazard in Kitchen

# Portable Fire Extinguishers:

- 1. Location of fire extinguishers and cabinets shall conform to NFPA 10 Standards for Fire Extinguisher Cabinets.
- 2. Portable fire extinguisher rating shall be 2—A, spacing
- shall not exceed a maximum of 75' and 3,000 sf.

  3. Portable fire extinguisher rating in combustible cooking media exist shall be rated Class K, spacing shall not
- exceed a maximum travel distance of 30'.

  4. Provide rated cabinet if fully/semi recessed installed in rated partition.

Strobe Quantity and Intensity for Ceiling Mounted Appliances

Ceiling Mounted Appliances			Mounted Appliances		
Room Size	Maximum lens height	Effective Intensity, one light (cd)	Room Size	Effective Intensity	Effective Intensity (cd), Four lights pe room, one light per wall
20 x 20	10	15	20 x 20	15	NA
30 x 30	10	30	28 x 28	30	NA
40 x 40	10	60	30 x 30	34	NA
44 x 44	10	75	40 x 40	60	15
			45 x 45	75	19
20 x 20	20	30	50 x 50	94	30
30 x 30	20	45	54 x 54	110	30
44 x 44	20	75	55 x 55	115	30
46 x 46	20	80	60 x 60	135	30
			63 x 63	150	37
20 x 20	30	55	68 x 68	177	43
30 x 30	30	75	70 x 70	184	60
50 x 50	30	95	80 x 80	240	60
53 x 53	30	110	90 x 90	304	95
55 x 55	30	115	100 x 100	375	95
59 x 59	30	135	110 x 110	455	135
63 x 63	30	150	120 x 120	540	135

# 177 130 x 130 635 185 68 x 68 30 185 70 x 70 30 CH CH (20)

Strobe Quantity and Intensity for Wall

Electrical Life Safety Plan

Scale: 3/16" = 1'-0"

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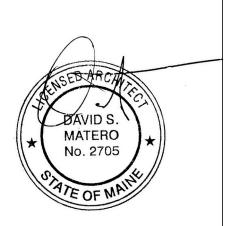
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> > <u>Consultants</u>

<u>Revisions</u>

Color Me Mine
Brick North - West Wing

Thompson's Point Portland, Maine



Job Number: Date: 12.16.14 Scale: As Noted

Drawing Title:

Electrical Life Safety Plan

R.3

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