

EGRESS CALCULATIONS
780 CMR 8th EDITION

EGRESS COMPONENTS:

EXIT 4 72" DOOR W/ PANIC BAR
55" STAIR D
EXIT 2 36" DOOR W/ PANIC BAR
EXIT 5 72" DOOR W/ PANIC BAR
53" STAIR C

EGRESS WIDTH PER OCCUPANT

DOOR WIDTH REQUIRED = $0.15 \times 337 = 50.5"$
DOOR WIDTH PROVIDED = $36" + 72" = 108"$
MIN DOOR WIDTH ALLOWED = $32"$
MIN DOOR WIDTH PROVIDED = $36"$
STAIR WIDTH REQUIRED = $0.20 \times 337 = 67.4"$
STAIR WIDTH PROVIDED = $44" + 53" + 55" = 152"$

SEPARATION OF EXITS

MIN DISTANCE ALLOWED = $104/4 = 26'$
DISTANCE PROVIDED = $72'$

EXIT ACCESS TRAVEL

MAX DISTANCE ALLOWED = $250'$
DISTANCE PROVIDED = $60'$

MAIN ENTRY / PRIMARY EGRESS DISCHARGE - EXIT #4

50% TOTAL OCCUPANT LOAD = $337/2 = 168$ PATRONS
REQUIRED DOOR WIDTH = $168 \times 0.15 = 25.2"$
PROVIDED DOOR WIDTH = $72"$
REQUIRED STAIR D WIDTH = $168 \times 0.20 = 33.6"$
PROVIDED STAIR D WIDTH = $55"$

EGRESS CONVERGENCE - EXIT #5

GUILT - AREA D = 71 PATRONS
CANDI BAR 337 P / 2 = 168 PATRONS
TOTAL OCCUPANT CONVERGENCE = 239 PATRONS
REQUIRED EXIT DOOR WIDTH - $239 \times 0.15" = 35.8"$
PROVIDED EXIT DOOR WIDTH = $72"$
REQUIRED STAIR C WIDTH - $239 \times 0.20" = 47.8"$
PROVIDED STAIR C WIDTH = $53"$

EGRESS CONVERGENCE AT FOYER A (FROM EXIT #4 BELOW)

50% HOTEL LOBBY/CAFE OCCUPANT LOAD $207/2 = 104$ PATRONS
50% ENCORE OCCUPANT LOAD $75/2 = 38$ PATRONS
50% CAPRICE (2ND FLOOR) OCCUPANT LOAD $134/2 = 67$ PATRONS
50% CANDI BAR OCCUPANT LOAD $337/2 = 168$ PATRONS
TOTAL OCCUPANT CONVERGENCE = 377 PATRONS
REQUIRED EXIT DOOR WIDTH = $384 \times 0.15 = 57.6"$
PROVIDED EXIT DOOR WIDTH = $72"$

OCCUPANCY CALCULATIONS

AREA A
STANDING 154 SF = 24 PATRONS
6.4 SF/P
SOFA SEATING 10 LF = 5 PATRONS
2 LF/P

AREA B
STANDING 507 SF = 76 PATRONS
6.6 SF/P
CHAIR SEATING = 16 PATRONS

AREA C
STANDING 631 SF = 114 PATRONS
5.5 SF/P
SOFA SEATING 10 LF = 5 PATRONS
2 LF/P
CHAIR SEATING = 6 PATRONS

AREA D
STANDING 356 SF = 70 PATRONS
5.1 SF/P
SOFA SEATING 5 LF = 2 PATRONS
2 LF/P
CHAIR SEATING = 3 PATRONS

AREA E
SOFA/CHAIR SEATING = 16 PATRONS

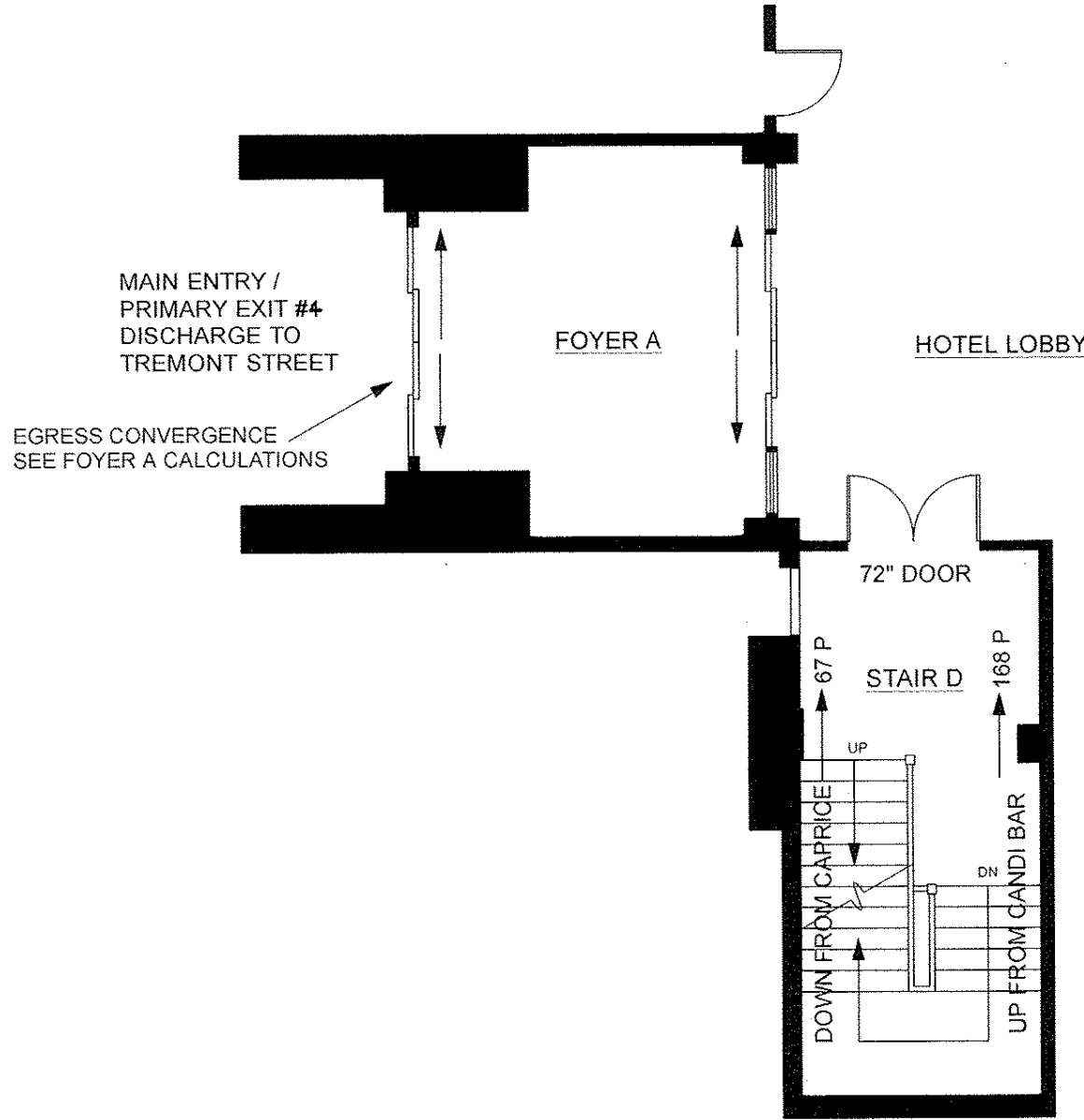
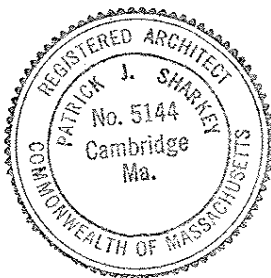
TOTAL OCCUPANCY 337 PATRONS

TOTAL NET AREA 3,337 SF = 9.9 SF/PATRON
TOTAL OCCUPANTS 337 P

THIS PLAN SERVES TO AMEND THE ORIGINAL PLAN TITLED UNDERBAR ON FILE DATED 5-9-11. THE SPACE HAS BEEN RENAMED CANDI BAR AND THE EXTENT OF CHANGE HAS BEEN LIMITED TO NEW FLOORING, NEW FURNITURE, FEATURE LIGHTING AND PAINT

P.J. Sharkey
PATRICK J. SHARKEY, R.A.

10-2-14
DATE



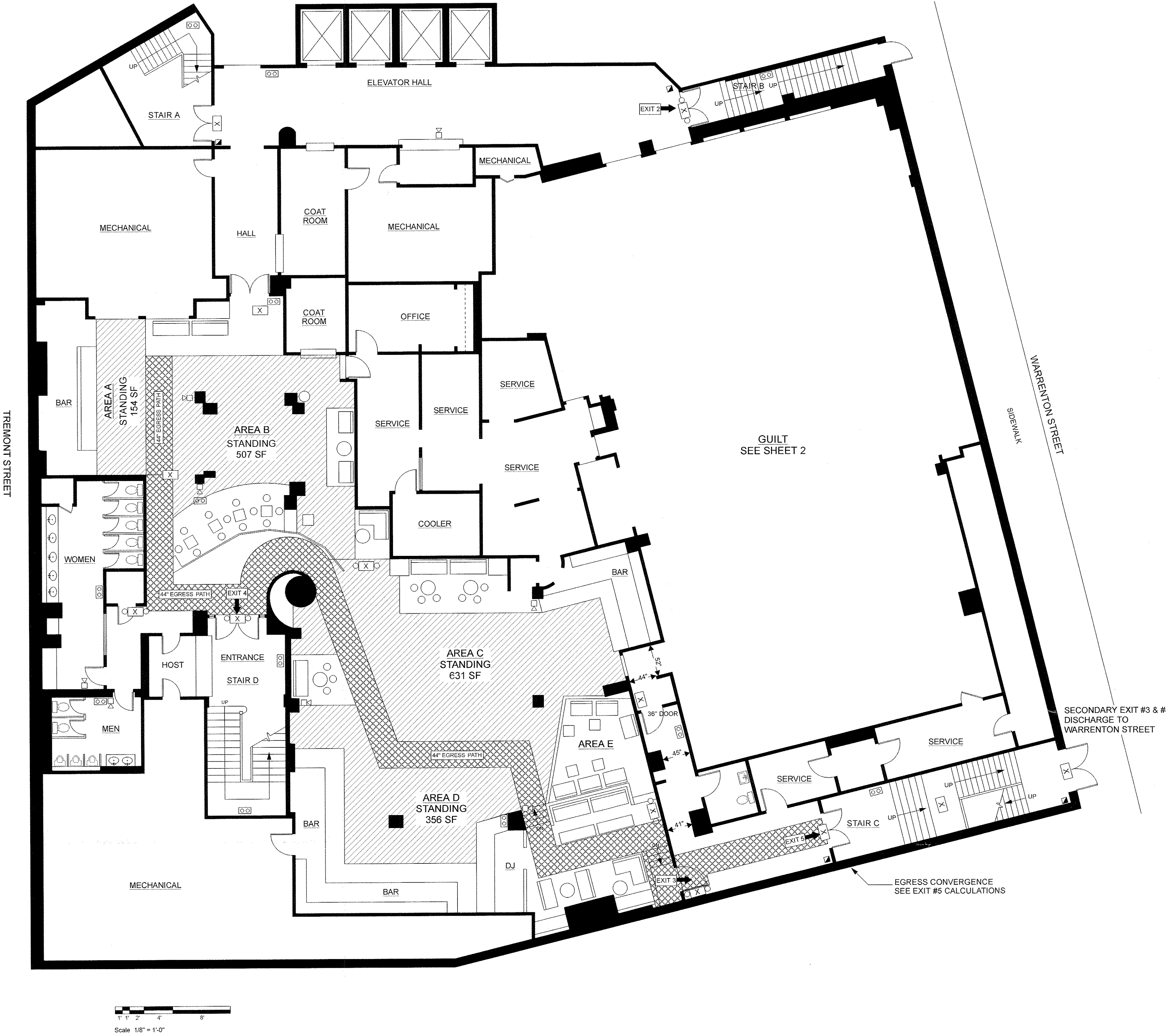
STAIR D - STREET LEVEL

NOTES:

1. THIS BUILDING IS EQUIPPED WITH A FULLY AUTOMATED FIRE SUPPRESSION SYSTEM.
2. THIS BUILDING IS EQUIPPED WITH A FIRE PROTECTIVE SIGNALING SYSTEM WITH ALARM-INITIATING DEVICES AND ALARM NOTIFICATION APPLIANCES.
3. ALL EGRESS DOORS ARE SELF CLOSING AND ARE PROVIDED WITH PANIC HARDWARE OR PUSH PLATES.

LEGEND

- X EXIT SIGN
- X EXIT SIGN W/ EMERGENCY LIGHT
- EMERGENCY LIGHT
- MANUAL PULL STATION
- HORN



Scale 1/8" = 1'-0"

CANDI BAR FLOOR PLAN - BASEMENT LEVEL			1
JOB NO.	DATE: 10-2-14	SCALE: 1/8" = 1'-0"	
SHARKEY DESIGN COMPANY 74 CLARENDON ST. SUITE A BOSTON MA 02116 617.531.0240 VOICE O O 617.266.2948 FAX		CANDI BAR NIGHTCLUB 271-279 TREMONT STREET BOSTON, MA	