OCCUPANT LOAD CALCULATIONS PER TABLE 1004.1.1 ----

 $\left(\frac{237}{15/15.8}\right)$

140 OCCUPANT CAPACITY

(SEE EXITING TABLE)

 $\left(\begin{array}{c} 628 \\ \hline 15/41.9 \end{array}\right)$

87 300 / .3

300 / .2

42" WIDE OPENING

140 OCCUPANT CAPACITY

(SEE EXITING TABLE)

100 / 1.2

120 OCCUPANT CAPACITY

(SEE EXITING TABLE)

DOOR 181b

36" WIDE OPENING

120 OCCUPANT CAPACITY

(SEE EXITING TABLE)

OF EXITS REQ. PER TABLE

OF EXITS REQ. PER TABLE

OF EXITS REQ. PER TABLE

1019.1

MAX. OCC. LOAD CAPACITY

MAX, OCC. LOAD CAPACITY

MAX. OCC. LOAD CAPACITY

380

EXITING TABLE - (BUILDING 'A')

- EGRESS OCCUPANT LOADS PER TABLE 1004.1.1 -

EGRESS WIDTH REQ. PER

 $668 \times .3 = 200.4$ "

EXITING TABLE - (BUILDING 'B')

- EGRESS OCCUPANT LOADS PER TABLE 1004.1.1 -

EGRESS WIDTH REQ. PER

 $72 \times .3 = 21.6$ "

EXITING TABLE - (BUILDING 'C')

- EGRESS OCCUPANT LOADS PER TABLE 1004.1.1 -

EGRESS WIDTH REQ. PER

TABLE 1005.1

 $35 \times .3 = 10.5$ "

TABLE 1005.1

EGRESS WIDTH

EGRESS WIDTH

EGRESS WIDTH

114"

TABLE 1005.1

BLDG C TOTAL

RESIDENTIAL

OCCUPANCY

 $\left(\frac{6,815}{200/34.1}\right)$

1ST FLOOR LOAD

EXIT DOOR 150a

EXIT DOOR 158d

TOTALS PROVIDED:

1ST FLOOR LOAD -

EXIT DOOR 173b

EXIT DOOR 173c

TOTALS PROVIDED:

1ST FLOOR LOAD -

EXIT DOOR 181b EXIT DOOR 181c

TOTALS PROVIDED:

EXIT

TOTAL BUILDING 'A' 1ST FLOOR

EXIT DOOR 156 (SCREEN DOOR)

EXIT DOOR 156 (SCREEN DOOR)

HORIZONTAL EXIT DOOR 173a

HORIZONTAL EXIT DOOR 181a

TOTAL BUILDING 'B' 1ST FLOOR

OCCUPANT LOAD

HORIZONTAL EXIT DOOR 173a

TOTAL BUILDING 'C' 1ST FLOOR

OCCUPANT LOAD

HORIZONTAL EXIT DOOR 181a

72

OCCUPANT LOAD

36" WIDE STAIR OPENING

120 OCCUPANT CAPACITY

(SEE EXITING TABLE)

STANDPIPE IN

STAIRWELL -

FIRST FLOOR					
Room Number	Room	SqFt	Floor Area Per Occupant	Occupant Load	Occupant Load
BLDG "A"	Residential Area	3,006	200	15.03	16
149	Closet	-	~	-	
150	Foyer	-	-	-	-
151	Office Room	280	100	2.80	3
152	Marketing	127	100	1.27	2
155	Elev Equip Room	52	300	0.17	1
156	Foyer	-	_	-	-
156	Screen Porch	-	_	-	
157	Beauty	399	100	3.99	4
158	Activity	3,591	15	239.40	240
159	Womens Toilet				
160	Mens Toilet	-	-	-	-
161	Hall	-	-	-	-
162	Media Room	628	15	41.87	42
163	HVAC Equip Room	87	300	0.29	1
164	Elev Equip Room	68	300	0.23	1
165	Kitchen	998	100	9.98	10
166	Dry Storage	173	300	0.58	1
167	Janitor Closet	-	-	_	-
168	Office Room	123	100	1.23	2
169	Staff Room	301	100	3.01	4
170	Private Dining	237	15	15.80	16
171	Dining Room	4,453	15	296.87	297
172	Lounge	414	15	27.60	28
	All Spaces	14,315	200	71.58	72
BLDG "C"	All Spaces	6,815	200	34.08	35
			Building 'A' Total =		668
e vers was a such that a who will shall be deviced		ocasocidamic enconence con com	Building 'B' Total =		72
	\$~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		- :: /: /a/= : /		2 F

EXIT TO PUBLIC WAY (SHOWING OCCUPANT LOAD AT EXIT AND EXITING DIM. REQ'D) OCCUPANT LOAD EXITING FROM SPACE OR BUILDING ACCESSIBLE SUITE FIRE EXTINGUISHER CABINET. FIRE EXTINGUISHERS PLACED NOT TO EXCEED A MAXIMUM OF 75 FEET OF TRAVEL DISTANCE. EXIT ROUTE w/ ARROWS POINTING TOWARD EXITS (TRAVEL DISTANCE TO EXIT IS LABELED ABOVE ARROW) EXIT LIGHT, DIRECTIONAL ARROWS AS INDICATED. EXIT SIGN PLACEMENT SHALL BE NO MORE THAN 100 FEET. - SQUARE FOOTAGE OF ROOM 399 SF 120 / 3.3 FLOOR AREA IN SQ.— CCUPANT LOAD FT. PER OCCUPANT (SEE TABLE 1004.1.1) EXTENT OF AREA FOR RESIDENTIAL OCCUPANCY THAT REQUIRED CIRCULATION BE INCLUDED IN ALLOWANCE CALCULATION.

ATRIUM AREA

SPECIAL INSPECTIONS REQ.

BUILDING DIAGRAM NON-SEPARATED SEPARATED NON-SEPARATED GROUP I-1 GROUPS I-1, A-2, A-3, B GROUP I-1 NFPA 13 NFPA 13 NFPA 13

. SIGNS WHICH DESIGNATE PERMANENT ROOMS AND SPACES SHALL COMPLY WITH ADAAG SECTIONS 4.1.3(16)(a) AND 4.30. SIGNS SHALL HAVE RAISED AND BRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGNS, FINISH AND CONTRAST, AND MOUNTED AT 60 INCHES ABOVE THE FINISH FLOOR TO THE SIGN.

5. EACH AREA OF REFUGE SHALL BE SIZED TO ACCOMMODATE ONE WHEELCHAIR SPACE OF 30 INCHES BY 48 INCHES. IN AREAS OF REFUGE SHALL HAVE A TWO-WAY EMERGENCY COMMUNICATIONS SYSTEM, INSTRUCTIONS ON THE USE OF THE AREA UNDER EMERGENCY CONDITIONS AND SHALL BE POSTED ADJOINING THE COMMUNICATIONS SYSTEM. THE INSTRUCTIONS SHALL INCLUDE ALL OF THE FOLLOWING:

DIRECTIONS TO FIND OTHER MEANS OF EGRESS.

PERSONS ABLE TO USE THE EXIT STAIRWAY DO SO AS SOON AS POSSIBLE, UNLESS THEY ARE ASSISTING OTHERS. INFORMATION ON PLANNED AVAILABILITY OF ASSISTANCE IN THE USE

OF STAIRS AND HOW TO SUMMON SUCH ASSISTANCE. DIRECTIONS FOR USE OF THE EMERGENCY COMMUNICATIONS SYSTEM AREAS OF REFUGE SHALL BE PROVIDED WITH A TWO-WAY COMMUNICATION SYSTEM BETWEEN THE AREA OF REFUGE AND A CENTRAL CONTROL POINT. IF THE CENTRAL CONTROL POINT IS NOT CONSTANTLY ATTENDED, THE AREA OF REFUGE SHALL ALSO HAVE CONTROLLED ACCESS TO A PUBLIC TELE-PHONE SYSTEM. LOCATION OF THE CENTRAL CONTROL POINT SHALL BE APPROVED BY THE FIRE DEPARTMENT. THE TWO-WAY COMMUNICATION SYSTEM SHAL

IDENTIFICATION AT EACH DOOR PROVIDING ACCESS TO AN AREA OF REFUGE FROM AN ADJACENT FLOOR AREA SHALL BE IDENTIFIED BY A SIGN COMPLYING WITH ICC A117.1, STATING: AREA OF REFUGE, AND INCLUDING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. WHERE EXIT SIGN ILLUMINATION IS REQUIRED BY SECTION 1011.2, THE AREA OF REFUGE SIGN SHALL BE ILLUMINATED. ADDITIONALLY, TACTILE SIGNAGE COMPLYING WITH ICC A117.1 SHALL BE LOCATED AT EACH DOOR TO AN AREA OF REFUGE.

INCLUDE BOTH AUDIBLE AND VISIBLE SIGNALS.

709.4 CONTINUITY, FIRE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO THE FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY ABOVE, AND SHALL BE SECURELY ATTACHED THERETO. IF THE PARTITIONS ARE NOT CONTINUOUS TO THE SHEATHING, DECK OR SLAB, AND WHERE CONSTRUCTED OF COMBUSTIBLE CONSTRUCTION, THE SPACE BETWEEN THE CEILING AND THE SHEATHING, DECK OR SLAB ABOVE SHALL BE FIRE BLOCKED OR DRAFTS TOPPED IN ACCORDANCE WITH SECTIONS 717.2 AND 717.3 AT THE PARTITION LINE. THE SUPPORTING CONSTRUCTION SHALL BE PROTECTED TO AFFORD THE REQUIRED FIRE RESISTANCE RATING OF THE WALL SUPPORTED, EXCEPT FOR WALLS SEPARATING TENANT SPACES IN COVERED MALL BUILDINGS, WALLS SEPARATING DWELLING UNITS, WALLS SEPARATING SLEEPING UNITS AND CORRIDOR WALLS, IN BUILDINGS OF TYPE IIB, IIIB AND VB CONSTRUCTION. EXCEPTIONS:

3. WHERE THE CORRIDOR CEILING IS CONSTRUCTED AS REQUIRED FOR THE CORRIDOR WALLS, THE WALLS SHALL BE PERMITTED TO TERMINATE AT THE UPPER MEMBRANE OF SUCH CEILING ASSEMBLY.

707.5 CONTINUITY. FIRE BARRIERS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE AND SHALL BE SECURELY ATTACHED THERETO, SUCH FIRE BARRIERS SHALL BE CONTINUOUS THROUGH CONCEALED SPACES. SUCH AS THE SPACE ABOVE A SUSPENDED CEILING.

710.4 CONTINUITY. SMOKE BARRIERS SHALL FORM AN EFFECTIVE MEMBRANE CONTINUOUS FROM OUTSIDE WALL TO OUTSIDE WALL AND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE, INCLUDING CONTINUITY THROUGH CONCEALED SPACES, SUCH AS THOSE FOUND ABOVE SUSPENDED CEILINGS, AND INTERSTITIAL STRUCTURAL AND MECHANICAL SPACES. THE SUPPORTING CONSTRUCTION SHALL BE PROTECTED TO AFFORD THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL OR FLOOR SUPPORTED IN BUILDINGS OTHER THAN TYPE IIB. IIIB OR VB CONSTRUCTION.

SMOKE-BARRIER WALLS ARE NOT REQUIRED IN INTERSTITIAL SPACES WHERE SUCH SPACES ARE DESIGNED AND CONSTRUCTED WITH CEILINGS THAT PROVIDE RESISTANCE TO THE PASSAGE OF FIRE AND SMOKE EQUIVALENT TO THAT PROVIDED BY THE SMOKE-BARRIER WALLS.

CONSIDERED A SEPARATE BUILDING. THE EXTENT AND LOCATION OF SUCH FIRE WALLS SHALL PROVIDE A COMPLETE SEPARATION. 706.2 STRUCTURAL STABILITY. FIRE WALLS SHALL HAVE SUFFICIENT STRUCTURAL STABILITY UNDER FIRE CONDITIONS TO ALLOW COLLAPSE OF CONSTRUCTION ON

EITHER SIDE WITHOUT COLLAPSE OF THE WALL FOR THE DURATION OF TIME INDICATED BY THE REQUIRED FIRE-RESISTANCE RATING

706.3 MATERIALS. FIRE WALLS SHALL BE OF ANY APPROVED NONCOMBUSTIBLE EXCEPTION:

BUILDINGS OF TYPE V CONSTRUCTION.

706.4 FIRE-RESISTANCE RATING. FIRE WALLS SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN THAT REQUIRED BY TABLE 706.4. TABLE.

PER TABLE 706.4 FIRE WALL FIRE-RESISTANCE RATINGS GROUP "I" AND "A" - "b. IN TYPE V CONSTRUCTION, WALLS SHALL BE PERMITTED TO HAVE A 2-HOUR FIRE-RESISTANCE RATING." 706.5 HORIZONTAL CONTINUITY. FIRE WALLS SHALL BE CONTINUOUS FROM EXTERIOR WALL TO EXTERIOR WALL AND SHALL EXTEND AT LEAST 18 INCHES (457 MM) BEYOND THE EXTERIOR SURFACE OF EXTERIOR **EXCEPTIONS:**

3. FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF NONCOMBUSTIBLE EXTERIOR SHEATHING WHERE THE BUILDING ON EACH SIDE OF THE FIRE WALL IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION

706.6 VERTICAL CONTINUITY. FIRE WALLS SHALL EXTEND FROM THE FOUNDATION TO A TERMINATION POINT AT LEAST 30" (762 MM) ABOVE BOTH ADJACENT ROOFS. 4. IN BUILDINGS OF TYPE V CONSTRUCTION, WALLS SHALL BE PERMITTED TO

TERMINATE AT THE UNDERSIDE OF COMBUSTIBLE ROOF SHEATHING OR DECKS, PROVIDED:

4.1 THERE ARE NO OPENINGS IN THE ROOF WITHIN 4 FEET (1220 MM) OF 4.2 THE ROOF IS COVERED WITH A MIN. CLASS B ROOF COVERING, AND

4.3 THE ROOF SHEATHING OR DECK IS CONSTRUCTED OF FIRE-RETARDANT- TREATED WOOD FOR A DISTANCE OF 4' (1220 MM) ON BOTH SIDES OF THE WALL OR THE ROOF IS PROTECTED WITH 5/8"(15.9 MM) TYPE X GYPSUM BOARD DIRECTLY BENEATH THE UNDERSIDE OF THE ROOF SHEATHING OR DECK, SUPPORTED BY A MIN. OF 2" (51 MM) NOMINAL LEDGERS ATTACHED TO THE SIDES OF THE ROOF FRAMING MEMBERS FOR A MIN. DISTANCE OF 4' (1220 MM) ON BOTH SIDES OF THE FIRE WALL.

IDENC!

ETIRE

8/28/2015

REVISED DATE 1 9/22/2015 2 2/2/2016 4/15/2016

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FIRST FLOOR EGRESS PLAN