

GENERAL SHEET NOTES:

- SEE ARCHITECTURAL SHEETS FOR WALL TYPES AND FIRESTOPPING OF JOINTS AND PENETRATIONS.
- EXTEND WALL RATINGS TO UNDERSIDE OF FLOOR DECK OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE. WHERE WALL INTERSECTS A PARALLEL STRUCTURAL BEAM, BEAM SHALL HAVE GYPSUM ENCLOSURE TO PROVIDE THE SAME FIRE RESISTANCE AS THE WALL.
- STAIR WALLS AND CEILINGS AND THE EXIT PASSAGEWAY (STAIR S02 DISCHARGE) SHALL NOT BE PENETRATED FROM EITHER SIDE WITH EXCEPTION OF CONDUIT FOR LIGHTING OF THE STAIR, CONDUIT FOR FIRE ALARM APPLIANCES AND DEVICES, OR SPRINKLER PIPING.
- SHADED AREAS INDICATE A RATING IS REQUIRED ON THE FLOOR/CEILING ASSEMBLY ABOVE.

KEYNOTES: (THIS SHEET ONLY)

- ENTRY 100 AND ENTRY 125 BOTH SERVE AS MAIN EXITS FOR THE BUILDING. THESE PROVIDE CAPACITY FOR HALF OF ASSEMBLY OCCUPANTS:
 - PRE-FUNCTION/SMALL FUNCTION ROOM AND ADJACENT STUDY ROOMS: 646/2=323
 - FUNCTION ROOM: 1,316/2=658
 - CLASSROOMS: (94+90)/2=91
 - 323+658+91=1,072
 - CAPACITY IS 660+660=1,320
- B AND MIXED, NON-SEPARATED, A-2/A-3/B OCCUPANCIES ARE ISOLATED FROM EACH OTHER BY 1-HOUR FIRE BARRIER OCCUPANCY SEPARATION UNDER IBC REQUIREMENTS.
 - S-1 AND MIXED, NON-SEPARATED, A-2/A-3/B OCCUPANCY ARE ISOLATED FROM EACH OTHER BY 2-HOUR FIRE BARRIER OCCUPANCY SEPARATION UNDER IBC REQUIREMENTS.

| EXTERIOR DOOR 116 | | | VESTIBULE 116A | | |
|-------------------|-------|----------|----------------|-------|----------|
| DOOR | WIDTH | CAPACITY | DOOR | WIDTH | CAPACITY |
| | 66" | 330 | | 66" | 330 |
| LIMIT | | 330 | LIMIT | | 330 |
| USE | | 167 | USE | | 167 |

| ENTRY 125 | | |
|-----------|-------|----------|
| DOOR | WIDTH | CAPACITY |
| | 132" | 660 |
| LIMIT | | 660 |
| USE | | 618 |

| EXTERIOR DOOR 153B | | |
|--------------------|-------|----------|
| DOOR | WIDTH | CAPACITY |
| | 32" | 160 |
| STAIR | NA | - |
| LIMIT | | 160 |
| USE | | 28 |

| VERTICAL OPENING 2 | | |
|--------------------|-------|----------|
| VESTIBULE 149 | WIDTH | CAPACITY |
| DOOR | 64" | 320 |
| STAIR | NA | - |
| LIMIT | | 320 |
| USE | | 84* |

* SECOND FLOOR USE IS 127

IBC OCCUPANCY CLASSIFICATION LEGEND:

- SEPARATED B OCCUPANCY.
- MIXED, NON-SEPARATED A-2/A-3/B OCCUPANCIES.
- SEPARATED S-1 OCCUPANCY.

NOTE: UNDER NFPA 101, THE WHOLE BUILDING IS CLASSIFIED AS A MULTIPLE, MIXED OCCUPANCY WITH ASSEMBLY, BUSINESS, LOW HAZARD INDUSTRIAL, AND STORAGE OCCUPANCIES.

FIRE RATINGS/FIRE RATING KEYNOTES

- 1-1-1-1 OR FIRE BARRIER WALL: 1-HOUR FIRE RESISTANCE RATING WITH 60-MINUTE OPENING PROTECTION AND 1-HOUR FIRESTOPPING AT PENETRATIONS AND JOINTS.
- 2-2-2-2 OR FIRE BARRIER WALL: 2-HOUR FIRE RESISTANCE RATING WITH 90-MINUTE OPENING PROTECTION AND 1-HOUR FIRESTOPPING AT PENETRATIONS AND JOINTS.
- 1-1-1-1 OR OCCUPANCY SEPARATION WALL: 1-HOUR FIRE RESISTANCE RATING WITH 45-MINUTE OPENING PROTECTION AND 1-HOUR FIRESTOPPING AT PENETRATIONS AND JOINTS.
- SB-SB-SB-SB OR SMOKE BARRIER WALLS: SMOKE RESISTANT SEALANT AT PENETRATIONS AND JOINTS. SELF-CLOSING AND LATCHING DOORS WITH GASKETING. SMOKE DAMPERS AT DUCTWORK PENETRATIONS.
- 1SB-1SB-1SB-1SB OR COMBINATION 1-HOUR FIRE BARRIER AND SMOKE BARRIER WITH PROTECTION AS IDENTIFIED ABOVE.
- 2SB-2SB-2SB-2SB OR COMBINATION 2-HOUR FIRE/SMOKE BARRIER (2-HOUR RATED SEPARATION WITH 90 MINUTE OPENING PROTECTION AND SMOKE BARRIER)
- SP-SP-SP-SP OR SMOKE PARTITION WALLS: SMOKE RESISTANT SEALANT AT PENETRATIONS AND JOINTS AND SELF-CLOSING AND LATCHING DOORS.
- FIRE BARRIER HORIZONTAL ASSEMBLY: 1-HOUR FIRE RATED HORIZONTAL FLOOR/CEILING ASSEMBLY WITH 60-MINUTE OPENING PROTECTION AND 1-HOUR FIRESTOPPING AT PENETRATIONS AND JOINTS.
- OCCUPANCY SEPARATION HORIZONTAL ASSEMBLY: 1-HOUR FIRE RATED HORIZONTAL FLOOR/CEILING ASSEMBLY WITH 45-MINUTE OPENING PROTECTION AND 1-HOUR FIRESTOPPING AT PENETRATIONS AND JOINTS.

LEGEND

- TRAVEL PATH
- XXX → OCCUPANTS UTILIZING EXIT
- XXX → EGRESS OCCUPANTS (EN-ROUTE TO EXIT)
- CP COMMON PATH OF TRAVEL
- DE DEAD-END LENGTH
- LF LINEAR FEET
- OL OCCUPANT LOAD
- OLF OCCUPANT LOAD FACTOR
- SF SQUARE FEET
- TD TRAVEL DISTANCE

1 FIRST FLOOR EGRESS AND FIRE RATING PLAN
G-102 SCALE: 3/32"=1'-0"

