**SMOKE CONTROL SCREEN, OSSC 2022 SECTION 909**

| TRIGGER | SECTION | RULE | THIS BUILDING | RESULT | RECORD |
|---|---|---|---|---|---|
| SMOKEPROOF ENCLOSURES, HIGH-RISE | OSSC 2022 403.5.4, 1023.12 | A FLOOR MORE THAN 75 FT ABOVE FIRE DEPT. ACCESS | L4 AT 41.58 FT, ROOF AT 51.58 FT | NOT REQUIRED | MEP-SMK-HR |
| ATRIUM | OSSC 2022 404.5 | ANY ATRIUM, EXCEPT ONE CONNECTING TWO STORIES | NONE IN THE IBG | NO ATRIUM | MEP-SMK-ATR |
| UNDERGROUND BUILDING | OSSC 2022 405.1, 405.5.1 | A FLOOR MORE THAN 30 FT BELOW EXIT DISCHARGE | 0 FT BELOW | NOT UNDERGROUND | MEP-SMK-UG |
| SMOKE CONTROL SYSTEM | OSSC 2022 909.1 | WHERE ANOTHER PROVISION REQUIRES IT | NO TRIGGER ABOVE | NOT REQUIRED | MEP-SMK-REQ |
| METHOD: PRESSURIZATION, EXHAUST OR PASSIVE | OSSC 2022 909.4 | FROM THE RATIONAL ANALYSIS | NONE | | MEP-SMK-REQ |
| FAN SIZING | OSSC 2022 909.4 | FROM THE RATIONAL ANALYSIS | NONE | | MEP-SMK-REQ |
| STAIR PRESSURIZATION | OSSC 2022 909.6.3, 909.20.5 | A PRESSURIZED STAIR IS A SECTION 909 SYSTEM | NOT PROVIDED | | MEP-SMK-PRESS |

**SEQUENCE OF OPERATIONS**

1. RANGE HOODS RUN INTERMITTENTLY ON THE OCCUPANT'S SWITCH AT THE HIGHER RATE; DRYER EXHAUST RUNS WITH THE DRYER. (OMSC 2022 TABLE 403.3.1.1 NOTE F, 504)
2. NO SMOKE CONTROL SYSTEM AND NO SMOKE CONTROL SEQUENCE: NO PROVISION READ HERE REQUIRES ONE, AND NO STAIR IS PRESSURIZED. (OSSC 2022 909.1, 909.6.3)

**NOTES**

1. THE RATIONAL ANALYSIS (OSSC 909.4) IS THE ENGINEER OF RECORD'S. THIS SHEET SCREENS WHETHER SMOKE CONTROL IS REQUIRED; IT IS NOT THAT ANALYSIS AND DOES NOT REPLACE IT.
2. THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS IS NOT IN THE IBG. THE LOWEST ADJACENT GRADE STANDS IN FOR IT UNTIL THE CIVIL ENGINEER SETS IT ON THE FIRE ACCESS PLAN.
3. NO STAIR IS PRESSURIZED HERE. A PRESSURIZED STAIR IS A SECTION 909 SYSTEM (909.6.3) WITH ITS ANALYSIS, 20 MINUTES OF OPERATION, STANDBY POWER AND AN ACCEPTANCE TEST. THE STAIR DETAILS PRINT THIS FINDING.
4. OSSC 2025, IN FORCE SINCE 2026-04-01, COUNTS AN OCCUPIABLE ROOF IN THE HIGH-RISE TEST AND RENUMBERS STAIR PRESSURIZATION AS 909.20.4; THE SCREEN'S RESULT IS THE SAME.

**1** **SMOKE CONTROL SCREEN AND SEQUENCES**
SCALE: NTS

## SHEET NOTES

1. HVAC: SPECIFIED IN SECTION 23 81 00.
2. COMMISSIONING: SPECIFIED IN SECTION 01 91 13.

NOT PROVIDED — BY OTHERS
APPLICANT / OWNER

CONSULTANTS

| | |
|---|---|
| STRUCTURAL | NOT PROVIDED — BY OTHERS |
| CIVIL | NOT PROVIDED — BY OTHERS |
| MECHANICAL | NOT PROVIDED — BY OTHERS |
| PLUMBING | NOT PROVIDED — BY OTHERS |
| ELECTRICAL | NOT PROVIDED — BY OTHERS |
| LANDSCAPE | NOT PROVIDED — BY OTHERS |
| FIRE PROTECTION | NOT PROVIDED — BY OTHERS |
| GEOTECHNICAL | NOT PROVIDED — BY OTHERS |

REVIEW

Prepared for review by the design professional of record. Not for construction or permit submission.

PROJECT

Architecture.Engineering — L courtyard study

FICTIONAL STUDY: NO REAL PARCEL
ARCHITECTURE.ENGINEERING — L COURTYARD STUDY
OCCUPANCY R-2, M · CONSTRUCTION NOT PROVIDED — BY OTHERS · STORIES 4

REVISIONS

| MARK | DATE | DESCRIPTION |
|---|---|---|

REGISTER

| | |
|---|---|
| Project | AE-STUDY-L01 |
| Issue | NOT PROVIDED — BY OTHERS |
| Date | NOT PROVIDED — BY OTHERS |
| Drawn | NOT PROVIDED — BY OTHERS |
| Scale | NTS |
| Phase | CONSTRUCTION DOCUMENTS |

OPEN ISSUE

The set's open issue is stated on the cover, G0.01.

**SMOKE CONTROL SCREEN AND SEQUENCES**

SHEET

M6.2