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&HEAD VERSION = 7700, TITLE = 'Warehouse Simulation ' /

!! Scenario Configuration
&TIME SIMULATION = 525 PRINT = 1 SMOKEVIEW = 0.25 SPREADSHEET = 1 /
&INIT PRESSURE = 101325 RELATIVE_HUMIDITY = 50 INTERIOR_TEMPERATURE = 20
EXTERIOR_TEMPERATURE = 20 /

!! Material Properties
&MATL ID = 'CONCRETE' MATERIAL = '"Concrete, Normal Weight (6 in)"',
    CONDUCTIVITY = 1.75 DENSITY = 2200 SPECIFIC_HEAT = 1, THICKNESS = 0.15 EMISSIVITY =
0.94 /

!! Compartments
&COMP ID = 'Comp 1'
    DEPTH = 70.4 HEIGHT = 14 WIDTH = 37.2
    CEILING_MATL_ID = 'CONCRETE' CEILING_THICKNESS = 0.2 WALL_MATL_ID = 'CONCRETE'
WALL_THICKNESS = 0.2 FLOOR_MATL_ID = 'CONCRETE' FLOOR_THICKNESS = 0.2
    ORIGIN = 0, 0, 0 GRID = 186, 352, 70 /
&COMP ID = 'Comp 2'
    DEPTH = 4.4 HEIGHT = 1.2 WIDTH = 15.2
    CEILING_MATL_ID = 'CONCRETE' CEILING_THICKNESS = 0.2 WALL_MATL_ID = 'CONCRETE'
WALL_THICKNESS = 0.2 FLOOR_MATL_ID = 'CONCRETE' FLOOR_THICKNESS = 0.2
    ORIGIN = 2, 2.4, 14 GRID = 76, 22, 6 /

!! Wall Vents
&VENT TYPE = 'WALL' ID = 'Exit Door' COMP_IDS = 'Comp 1' 'OUTSIDE' , BOTTOM = 0 HEIGHT = 2,
WIDTH = 0.8
    CRITERION = 'TIME' T = 0, 60, 525 F = 0, 0, 1 FACE = 'REAR' OFFSET = 27.2 /

!! Fires
&FIRE ID = 'New Fire 1' COMP_ID = 'Comp 1', FIRE_ID = 'New Fire 1' LOCATION = 18.6, 35.2
/
&CHEM ID = 'New Fire 1' CARBON = 1 CHLORINE = 0 HYDROGEN = 2 NITROGEN = 0 OXYGEN = 0.5
HEAT_OF_COMBUSTION = 20000 RADIATIVE_FRACTION = 0.35 /
&TABL ID = 'New Fire 1' LABELS = 'TIME', 'HRR' , 'HEIGHT' , 'AREA' , 'CO_YIELD' ,
'SOOT_YIELD' , 'HCN_YIELD' , 'HCL_YIELD' , 'TRACE_YIELD' /
&TABL ID = 'New Fire 1', DATA = 0, 0, 0, 0.001, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 52.5, 490, 0, 0.405781367332961, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 105, 1960, 0, 1.23009908169562, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 157.5, 4410, 0, 2.35334776048782, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 210, 7840, 0, 3.72896311315056, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 262.5, 12250, 0, 5.328980219045, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 315, 17640, 0, 7.13401637466307, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 367.5, 24010, 0, 9.12954146045879, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 420, 31360, 0, 11.304102333017, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 472.5, 39690, 0, 13.6483489081663, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 525, 49000, 0, 16.1544472012254, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 825, 49000, 0, 16.1544472012254, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 855, 39690, 0, 13.6483489081663, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 885, 31360, 0, 11.304102333017, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 915, 24010, 0, 9.12954146045879, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 945, 17640, 0, 7.13401637466307, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 975, 12250, 0, 5.328980219045, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 1005, 7840, 0, 3.72896311315056, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 1035, 4410, 0, 2.35334776048782, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 1065, 1960, 0, 1.23009908169562, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 1095, 490, 0, 0.405781367332961, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 1125, 0, 0, 0.09, 0.1, 0.18, 0, 0, 0 /
&TABL ID = 'New Fire 1', DATA = 1135, 0, 0, 0.09, 0.1, 0.18, 0, 0, 0 /

!! Devices
&DEVC ID = 'HD01' COMP_ID = 'Comp 1' LOCATION = 18.6, 35.2, 13.86 TYPE = 'SMOKE_DETECTOR'
SETPOINTS = 23.9334605082804, 3.28 /

!! Visualizations
&SLCF DOMAIN = '2-D' POSITION = 2, PLANE = 'Z' /
&SLCF DOMAIN = '2-D' POSITION = 35.2, PLANE = 'Y' /
&SLCF COMP_ID = 'Comp 1' DOMAIN = '2-D' POSITION = 18.6, PLANE = 'X' /

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&TAIL /