Příloha 1 - FDS model I.

```
&HEAD CHID='hall',
TITLE='STABFI'/
&TIME T_END=3600.0, DT=0.01/
&DUMP RENDER_FILE='hall.ge1', DT_RESTART=30.0, DT_DEVC = 1.0,
DT_CTRL = 1.0, DT_HRR =1.0, DT_DEVC_LINE = 1.0/
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&MESH ID='mesh_1', IJK=82,102,30, XB=-5.0,36.0,-5.0,46.0,0.0,15.0/
&MESH ID='mesh_2', IJK=16,28,12, XB=13.0,17.0,33.0,40.0,0.0,3.0/
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&MATL ID='BETON', SPECIFIC_HEAT=1.02, CONDUCTIVITY=1.74,
DENSITY=2500.0 /
&MATL ID='OCEL', SPECIFIC_HEAT=0.46, CONDUCTIVITY=45.8,
DENSITY=7850.0, /
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&SURF ID='STENA', DEFAULT=.TRUE., MATL_ID='OCEL', THICKNESS=0.009/
&SURF ID='STENA_PRUHLEDNA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.35/
&SURF ID='STRECHA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.5/
&SURF ID='NOSNIK', COLOR='BLACK', DEFAULT=.TRUE.,
MATL_ID='OCEL', THICKNESS=0.01 /
&SURF ID='PODLAHA', COLOR='GRAY', DEFAULT=.TRUE.,
MATL_ID='BETON', THICKNESS=0.25, TRANSPARENCY=0.7 /
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&VENT ID='Mesh Vent: mesh_1 [XMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,46.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [XMIN]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,-5.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMAX]', SURF_ID='OPEN',
XB=36.0,36.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMIN]', SURF_ID='OPEN',
XB=-5.0,-5.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [ZMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,46.0,15.0,15.0/
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&OBST XB=0.0,31.0,0.0,41.0,0.0,0.0, SURF_ID='PODLAHA'/ podlaha
&OBST XB=0.0,31.0,0.0,41.0,10.0,10.0, SURF_ID='STRECHA'/ střecha
&OBST XB=0.0,0.0,0.0,41.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/ stěna 1
&OBST XB=31.0,31.0,0.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna 6
&OBST XB=0.0,31.0,41.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna H
&OBST XB=0.0,31.0,0.0,0.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/
stěna A
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============================================================
&OBST XB=0.0,31.0,6.0,6.0,7.0,8.0, SURF_ID='NOSNIK'/ B
&OBST XB=0.0,31.0,12.0,12.0,7.0,8.0, SURF_ID='NOSNIK'/ C
&OBST XB=0.0,31.0,19.0,19.0,7.0,8.0, SURF_ID='NOSNIK'/ D
&OBST XB=0.0,31.0,25.0,25.0,7.0,8.0, SURF_ID='NOSNIK'/ E
&OBST XB=0.0,31.0,31.0,31.0,7.0,8.0, SURF_ID='NOSNIK'/ F
&OBST XB=0.0,31.0,36.0,36.0,7.0,8.0, SURF_ID='NOSNIK'/ G
============================================================
&HOLE XB=30.0,32.0,13.0,18.0,0.0,3.0/ dveře 15 m2
============================================================
&OBST XB=14.0,16.0,36.0,37.0,0.0,2.0, SURF_ID='PODLAHA', COLOR='BLACK'/
&VENT SURF_ID='BURNER', XB=14.0,16.0,36.0,37.0,2.0,2.0/
&SURF ID='BURNER', COLOR='RED', HRRPUA=1836, RAMP_Q='VOZIK',
PART_ID='SMOKE'/
&RAMP ID='VOZIK', T=0.0, F=0.0 /
&RAMP ID='VOZIK', T=190., F=0.07845 /
&RAMP ID='VOZIK', T=730., F=0.1629 /
&RAMP ID='VOZIK', T=890., F=0.2353 /
&RAMP ID='VOZIK', T=990., F=0.1321 /
&RAMP ID='VOZIK', T=1050., F=0.2987 /
&RAMP ID='VOZIK', T=1070., F=0.3506 /
&RAMP ID='VOZIK', T=1080., F=0.38 /
&RAMP ID='VOZIK', T=1130., F=0.2963 /
&RAMP ID='VOZIK', T=1190., F=0.2166 /
&RAMP ID='VOZIK', T=1250., F=0.1937/
&RAMP ID='VOZIK', T=1350., F=0.1382/
&RAMP ID='VOZIK', T=1410., F=0.114/
&RAMP ID='VOZIK', T=1490., F=0.1165/
&RAMP ID='VOZIK', T=1590., F=0.0959/
&RAMP ID='VOZIK', T=1830., F=0.06698/
&RAMP ID='VOZIK', T=2030., F=0.0537/
&RAMP ID='VOZIK', T=2090., F=0.29/
&RAMP ID='VOZIK', T=2810., F=0.2516/
&RAMP ID='VOZIK', T=2910., F=0.1418/
&RAMP ID='VOZIK', T=2970., F=0.0935/
&RAMP ID='VOZIK', T=3070., F=0.0573/
&RAMP ID='VOZIK', T=3410., F=0.049/
&RAMP ID='VOZIK', T=3590., F=0.0404/
&RAMP ID='VOZIK', T=3810., F=0.05612/
&RAMP ID='VOZIK', T=4730., F=0.0694/
&RAMP ID='VOZIK', T=4790., F=0.0549/
&DUMP MASS_FILE=.TRUE. /
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&REAC FUEL='PROPANE' /
&PART ID='SMOKE', MASSLESS=.TRUE.,
MONODISPERSE=.TRUE., COLOR='BLACK'/
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&MATL ID = 'PET_Cardboard', CONDUCTIVITY = 0.12, SPECIFIC_HEAT = 1.3,
DENSITY = 26.0, HEAT_OF_COMBUSTION = 21000., COLOR='BLUE'/
&SURF ID='PET_Cartoon', MATL_ID='PET_Cardboard',THICKNESS=0.20/ wall
&OBST XB=4.0,8.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B1
&OBST XB=4.0,8.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C1
&OBST XB=4.0,8.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D1
&OBST XB=4.0,8.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E1
&OBST XB=4.0,8.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F1
&OBST XB=4.0,8.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G1
&OBST XB=4.0,8.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H1

&OBST XB=8.0,12.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B2
&OBST XB=8.0,12.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C2
&OBST XB=8.0,12.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D2
&OBST XB=8.0,12.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E2
&OBST XB=8.0,12.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F2
&OBST XB=8.0,12.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G2
&OBST XB=8.0,12.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H2

&OBST XB=18.0,22.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B3
&OBST XB=18.0,22.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C3
&OBST XB=18.0,22.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D3
&OBST XB=18.0,22.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E3
&OBST XB=18.0,22.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F3
&OBST XB=18.0,22.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G3
&OBST XB=18.0,22.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H3

&OBST XB=22.0,26.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B4
&OBST XB=22.0,26.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C4
&OBST XB=22.0,26.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D4
&OBST XB=22.0,26.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E4
&OBST XB=22.0,26.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F4
&OBST XB=22.0,26.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G4
&OBST XB=22.0,26.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H4

&OBST XB=26.0,30.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B5
&OBST XB=26.0,30.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C5
&OBST XB=26.0,30.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D5
&OBST XB=26.0,30.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E5
&OBST XB=26.0,30.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F5
&OBST XB=26.0,30.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G5
&OBST XB=26.0,30.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H5

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THERMOCOUPLES – NOSNÍKY

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&DEVC ID='TC_G4h10', QUANTITY='THERMOCOUPLE',XYZ=19.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_G5h7', QUANTITY='THERMOCOUPLE', XYZ=25.0,36.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_G5h10', QUANTITY='THERMOCOUPLE',XYZ=25.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_G6h7', QUANTITY='THERMOCOUPLE', XYZ=30.0,36.0,7.0
PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_G6h10', QUANTITY='THERMOCOUPLE',XYZ=30.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_H1h7', QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H2h7', QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m

&DEVC ID='TC_H2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H3h7', QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H3h10', QUANTITY='THERMOCOUPLE', XYZ=12.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H4h7', QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H4h10', QUANTITY='THERMOCOUPLE', XYZ=19.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H5h7', QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H5h10', QUANTITY='THERMOCOUPLE', XYZ=25.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H6h7', QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H6h10', QUANTITY='THERMOCOUPLE', XYZ=30.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
==========
THERMOCOUPLES – SLOUPY
&DEVC ID='TC_A1h1', QUANTITY='THERMOCOUPLE', XYZ=1.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A1h3', QUANTITY='THERMOCOUPLE', XYZ=1.0,0.0,3.0,
PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A1h5', QUANTITY='THERMOCOUPLE', XYZ=1.0,0.0,5.0,
PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A2h1', QUANTITY='THERMOCOUPLE', XYZ=6.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A2h3', QUANTITY='THERMOCOUPLE', XYZ=6.0,0.0,3.0
PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A2h5', QUANTITY='THERMOCOUPLE', XYZ=6.0,0.0,5.0
PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A3h1', QUANTITY='THERMOCOUPLE', XYZ=12.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A3h3', QUANTITY='THERMOCOUPLE', XYZ=12.0,0.0,3.0,
PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A3h5', QUANTITY='THERMOCOUPLE', XYZ=12.0,0.0,5.0,
PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A4h1', QUANTITY='THERMOCOUPLE', XYZ=19.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A4h3', QUANTITY='THERMOCOUPLE', XYZ=19.0,0.0,3.0,
PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A4h5', QUANTITY='THERMOCOUPLE', XYZ=19.0,0.0,5.0,
PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A5h1', QUANTITY='THERMOCOUPLE', XYZ=25.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m

&DEVC ID='TC_A5h3', QUANTITY='THERMOCOUPLE', XYZ=25.0,0.0,3.0, PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A5h5', QUANTITY='THERMOCOUPLE', XYZ=25.0,0.0,5.0, PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A6h1', QUANTITY='THERMOCOUPLE', XYZ=30.0,0.0,1.0, PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A6h3', QUANTITY='THERMOCOUPLE', XYZ=30.0,0.0,3.0, PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A6h5', QUANTITY='THERMOCOUPLE', XYZ=30.0,0.0,5.0, PROP_ID='THERMO', IOR=2/ 5m

&DEVC ID='TC_B1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,6.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_B1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,6.0,3.0, PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_B1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,6.0,5.0, PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_B6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,6.0,1.0, PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_B6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,6.0,3.0, PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_B6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,6.0,5.0, PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_C1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,12.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_C1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,12.0,3.0, PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_C1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,12.0,5.0, PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_C6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,12.0,1.0, PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_C6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,12.0,3.0, PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_C6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,12.0,5.0, PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_D1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_D1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,3.0, PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_D1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,5.0, PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_D6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,1.0, PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_D6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,3.0, PROP_ID='THERMO', IOR=-1/ 3m

&DEVC ID='TC_D6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,5.0,
PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_E1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,1.0,
PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_E1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,3.0,
PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_E1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,5.0,
PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_E6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,25.0,1.0,
PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_E6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,25.0,3.0,
PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_E6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,25.0,5.0,
PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_F1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,31.0,1.0,
PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_F1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,31.0,3.0,
PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_F1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,31.0,5.0,
PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_F6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,31.0,1.0,
PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_F6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,31.0,3.0,
PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_F6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,31.0,5.0,
PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_G1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,36.0,1.0,
PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_G1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,36.0,3.0,
PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_G1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,36.0,5.0,
PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_G6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,1.0,
PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_G6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,3.0
PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_G6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,5.0,
PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_H1h1', QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H1h3', QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m

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&DEVC ID='TC_H1h5',  QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H2h1',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H2h3',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H2h5',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H3h1',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H3h3',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H3h5',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H4h1',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H4h3',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H4h5',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H5h1',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H5h3',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H5h5',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H6h1',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,1.0
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H6h3',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H6h5',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,5.0
PROP_ID='THERMO', IOR=-2/ 5m
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&BNDF QUANTITY='GAUGE HEAT FLUX'/
&BNDF QUANTITY='WALL TEMPERATURE'/
&BNDF QUANTITY='ADIABATIC SURFACE TEMPERATURE'/

&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=-1.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=3.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=15.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=30.0/

&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=6.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=17.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=27.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=40.0/
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&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=10.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=9.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=8.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=7.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=6.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=4.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=2.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=1.0/
============================================================
&TAIL /
============================================================
```

Příloha 2 - FDS model II.

```
&HEAD CHID='hall',
TITLE='STABFI'/
&TIME T_END=3600.0, DT=0.01/
&DUMP RENDER_FILE='hall.ge1', DT_RESTART=30.0, DT_DEVC = 1.0,
DT_CTRL = 1.0, DT_HRR =1.0, DT_DEVC_LINE = 1.0/
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&MESH ID='mesh_1', IJK=82,102,30, XB=-5.0,36.0,-5.0,46.0,0.0,15.0/
&MESH ID='mesh_2', IJK=76,28,60, XB=15.0,34.0,21.0,28.0,0.0,15.0/
============================================================
&MATL ID='BETON', SPECIFIC_HEAT=1.02, CONDUCTIVITY=1.74,
DENSITY=2500.0 /
&MATL ID='OCEL', SPECIFIC_HEAT=0.46, CONDUCTIVITY=45.8,
DENSITY=7850.0, /
============================================================
&SURF ID='STENA', DEFAULT=.TRUE., MATL_ID='OCEL', THICKNESS=0.009/
&SURF ID='STENA_PRUHLEDNA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.35/
&SURF ID='STRECHA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.5/
&SURF ID='NOSNIK', COLOR='BLACK', DEFAULT=.TRUE.,
MATL_ID='OCEL', THICKNESS=0.01 /
&SURF ID='PODLAHA', COLOR='GRAY', DEFAULT=.TRUE.,
MATL_ID='BETON', THICKNESS=0.25, TRANSPARENCY=0.7 /
============================================================
&VENT ID='Mesh Vent: mesh_1 [XMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,46.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [XMIN]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,-5.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMAX]', SURF_ID='OPEN',
XB=36.0,36.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMIN]', SURF_ID='OPEN',
XB=-5.0,-5.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [ZMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,46.0,15.0,15.0/
============================================================
&OBST XB=0.0,31.0,0.0,41.0,0.0,0.0, SURF_ID='PODLAHA'/ podlaha
&OBST XB=0.0,31.0,0.0,41.0,10.0,10.0, SURF_ID='STRECHA'/ střecha
&OBST XB=0.0,0.0,0.0,41.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/ stěna 1
&OBST XB=31.0,31.0,0.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna 6
&OBST XB=0.0,31.0,41.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna H
&OBST XB=0.0,31.0,0.0,0.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/
stěna A
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============================================================
&OBST XB=0.0,31.0,6.0,6.0,7.0,8.0, SURF_ID='NOSNIK'/ B
&OBST XB=0.0,31.0,12.0,12.0,7.0,8.0, SURF_ID='NOSNIK'/ C
&OBST XB=0.0,31.0,19.0,19.0,7.0,8.0, SURF_ID='NOSNIK'/ D
&OBST XB=0.0,31.0,25.0,25.0,7.0,8.0, SURF_ID='NOSNIK'/ E
&OBST XB=0.0,31.0,31.0,31.0,7.0,8.0, SURF_ID='NOSNIK'/ F
&OBST XB=0.0,31.0,36.0,36.0,7.0,8.0, SURF_ID='NOSNIK'/ G
============================================================
&HOLE XB=30.0,32.0,13.0,18.0,0.0,3.0/ dveře 15 m2
============================================================
&VENT SURF_ID='PET_Burner', XB=18.0,22.0,24.0,25.0,6.0,6.0/ E3
&VENT SURF_ID='PET_Burner', XB=22.0,26.0,24.0,25.0,6.0,6.0/ E4
&VENT SURF_ID='PET_Burner', XB=26.0,30.0,24.0,25.0,6.0,6.0/ E5
&SURF ID='PET_BURNER', COLOR='RED', HRRPUA=3159,
RAMP_Q='material_HRR'/

&RAMP ID='material_HRR', T=10.0, F=0.0237 /
&RAMP ID='material_HRR', T=13.3, F=0.0853 /
&RAMP ID='material_HRR', T=26.7, F=0.104 /
&RAMP ID='material_HRR', T=40.1, F=0.128 /
&RAMP ID='material_HRR', T=56.8, F=0.152 /
&RAMP ID='material_HRR', T=66.6, F=0.275 /
&RAMP ID='material_HRR', T=76.4, F=0.422 /
&RAMP ID='material_HRR', T=96.2, F=0.625 /
&RAMP ID='material_HRR', T=112.7, F=0.735 /
&RAMP ID='material_HRR', T=132.7, F=0.806 /
&RAMP ID='material_HRR', T=162.8, F=0.877 /
&RAMP ID='material_HRR', T=189.6, F=0.919 /
&RAMP ID='material_HRR', T=199.8, F=0.896 /
&RAMP ID='material_HRR', T=202.9, F=1.0 /
&RAMP ID='material_HRR', T=219.8, F=0.981 /
&RAMP ID='material_HRR', T=253.4, F=0.976 /
&RAMP ID='material_HRR', T=270.3, F=0.929 /
&RAMP ID='material_HRR', T=283.9, F=0.877 /
&RAMP ID='material_HRR', T=297.4, F=0.848 /
&RAMP ID='material_HRR', T=378.3, F=0.739 /
&RAMP ID='material_HRR', T=438.9, F=0.682 /
&RAMP ID='material_HRR', T=503.0, F=0.545 /
&RAMP ID='material_HRR', T=597.6, F=0.355 /
&RAMP ID='material_HRR', T=765.9, F=0.227 /
&RAMP ID='material_HRR', T=6000, F=0.0/
&DUMP MASS_FILE=.TRUE. /
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&REAC FUEL='PROPANE' /
&PART ID='SMOKE', MASSLESS=.TRUE.,
 MONODISPERSE=.TRUE., COLOR='BLACK'/
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PET_Cartoon  4x1x2m
&MATL ID = 'PET_Cardboard', CONDUCTIVITY = 0.12, SPECIFIC_HEAT = 1.3,
DENSITY = 26.0, HEAT_OF_COMBUSTION = 21000., COLOR='BLUE'/
&SURF ID='PET_Cartoon', MATL_ID='PET_Cardboard',THICKNESS=0.20/ wall
&OBST XB=4.0,8.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B1
&OBST XB=4.0,8.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C1
&OBST XB=4.0,8.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D1
&OBST XB=4.0,8.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E1
&OBST XB=4.0,8.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F1
&OBST XB=4.0,8.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G1
&OBST XB=4.0,8.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H1

&OBST XB=8.0,12.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B2
&OBST XB=8.0,12.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C2
&OBST XB=8.0,12.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D2
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THERMOCOUPLES – NOSNÍKY

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&DEVC ID='TC_D1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_D1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,3.0, PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_D1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,5.0, PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_D6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,1.0, PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_D6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,3.0, PROP_ID='THERMO', IOR=-1/ 3m

&DEVC ID='TC_D6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,5.0,
PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_E1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,1.0,
PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_E1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,3.0,
PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_E1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,5.0,
PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_E6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,25.0,1.0,
PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_E6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,25.0,3.0,
PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_E6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,25.0,5.0,
PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_F1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,31.0,1.0,
PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_F1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,31.0,3.0,
PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_F1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,31.0,5.0,
PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_F6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,31.0,1.0,
PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_F6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,31.0,3.0,
PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_F6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,31.0,5.0,
PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_G1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,36.0,1.0,
PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_G1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,36.0,3.0,
PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_G1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,36.0,5.0,
PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_G6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,1.0,
PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_G6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,3.0
PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_G6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,5.0,
PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_H1h1', QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H1h3', QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m

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&DEVC ID='TC_H1h5',  QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H2h1',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H2h3',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H2h5',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H3h1',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H3h3',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H3h5',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H4h1',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H4h3',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H4h5',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H5h1',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H5h3',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H5h5',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H6h1',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,1.0
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H6h3',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H6h5',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,5.0
PROP_ID='THERMO', IOR=-2/ 5m
=========================================================
&BNDF QUANTITY='GAUGE HEAT FLUX'/
&BNDF QUANTITY='WALL TEMPERATURE'/
&BNDF QUANTITY='ADIABATIC SURFACE TEMPERATURE'/

&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=-1.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=3.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=15.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=30.0/

&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=6.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=17.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=27.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=40.0/
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&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=10.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=9.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=8.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=7.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=6.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=4.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=2.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=1.0/
============================================================
&TAIL /
============================================================
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Příloha 3 - FDS model III.

```
&HEAD CHID='hall',
TITLE='STABFI'/
&TIME T_END=3600.0, DT=0.01/
&DUMP RENDER_FILE='hall.ge1', DT_RESTART=30.0, DT_DEVC = 1.0,
DT_CTRL = 1.0, DT_HRR =1.0, DT_DEVC_LINE = 1.0/
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&MESH ID='mesh_1', IJK=82,102,30, XB=-5.0,36.0,-5.0,46.0,0.0,15.0/
&MESH ID='mesh_2', IJK=76,28,60, XB=15.0,34.0,21.0,28.0,0.0,15.0/
============================================================
&MATL ID='BETON', SPECIFIC_HEAT=1.02, CONDUCTIVITY=1.74,
DENSITY=2500.0 /
&MATL ID='OCEL', SPECIFIC_HEAT=0.46, CONDUCTIVITY=45.8,
DENSITY=7850.0, /
============================================================
&SURF ID='STENA', DEFAULT=.TRUE., MATL_ID='OCEL', THICKNESS=0.009/
&SURF ID='STENA_PRUHLEDNA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.35/
&SURF ID='STRECHA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.5/
&SURF ID='NOSNIK', COLOR='BLACK', DEFAULT=.TRUE.,
MATL_ID='OCEL', THICKNESS=0.01 /
&SURF ID='PODLAHA', COLOR='GRAY', DEFAULT=.TRUE.,
MATL_ID='BETON', THICKNESS=0.25, TRANSPARENCY=0.7 /
============================================================
&VENT ID='Mesh Vent: mesh_1 [XMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,46.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [XMIN]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,-5.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMAX]', SURF_ID='OPEN',
XB=36.0,36.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMIN]', SURF_ID='OPEN',
XB=-5.0,-5.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [ZMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,46.0,15.0,15.0/
============================================================
&OBST XB=0.0,31.0,0.0,41.0,0.0,0.0, SURF_ID='PODLAHA'/ podlaha
&OBST XB=0.0,31.0,0.0,41.0,10.0,10.0, SURF_ID='STRECHA'/ střecha
&OBST XB=0.0,0.0,0.0,41.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/ stěna 1
&OBST XB=31.0,31.0,0.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna 6
&OBST XB=0.0,31.0,41.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna H
&OBST XB=0.0,31.0,0.0,0.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/
stěna A
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&OBST XB=0.0,31.0,6.0,6.0,7.0,8.0, SURF_ID='NOSNIK'/ B
&OBST XB=0.0,31.0,12.0,12.0,7.0,8.0, SURF_ID='NOSNIK'/ C
&OBST XB=0.0,31.0,19.0,19.0,7.0,8.0, SURF_ID='NOSNIK'/ D
&OBST XB=0.0,31.0,25.0,25.0,7.0,8.0, SURF_ID='NOSNIK'/ E
&OBST XB=0.0,31.0,31.0,31.0,7.0,8.0, SURF_ID='NOSNIK'/ F
&OBST XB=0.0,31.0,36.0,36.0,7.0,8.0, SURF_ID='NOSNIK'/ G
=========================================================
&HOLE XB=30.0,32.0,13.0,18.0,0.0,3.0/ dveře 15 m2
&HOLE XB=15.0,16.0,20.0,21.0,9.0,11.0/ světlík 1m2
=========================================================
&VENT SURF_ID='PET_Burner', XB=18.0,22.0,24.0,25.0,6.0,6.0/ E3
&VENT SURF_ID='PET_Burner', XB=22.0,26.0,24.0,25.0,6.0,6.0/ E4
&VENT SURF_ID='PET_Burner', XB=26.0,30.0,24.0,25.0,6.0,6.0/ E5
&SURF ID='PET_BURNER', COLOR='RED', HRRPUA=3159,
RAMP_Q='material_HRR'/
&RAMP ID='material_HRR', T=10.0, F=0.0237 /
&RAMP ID='material_HRR', T=13.3, F=0.0853 /
&RAMP ID='material_HRR', T=26.7, F=0.104 /
&RAMP ID='material_HRR', T=40.1, F=0.128 /
&RAMP ID='material_HRR', T=56.8, F=0.152 /
&RAMP ID='material_HRR', T=66.6, F=0.275 /
&RAMP ID='material_HRR', T=76.4, F=0.422 /
&RAMP ID='material_HRR', T=96.2, F=0.625 /
&RAMP ID='material_HRR', T=112.7, F=0.735 /
&RAMP ID='material_HRR', T=132.7, F=0.806 /
&RAMP ID='material_HRR', T=162.8, F=0.877 /
&RAMP ID='material_HRR', T=189.6, F=0.919 /
&RAMP ID='material_HRR', T=199.8, F=0.896 /
&RAMP ID='material_HRR', T=202.9, F=1.0 /
&RAMP ID='material_HRR', T=219.8, F=0.981 /
&RAMP ID='material_HRR', T=253.4, F=0.976 /
&RAMP ID='material_HRR', T=270.3, F=0.929 /
&RAMP ID='material_HRR', T=283.9, F=0.877 /
&RAMP ID='material_HRR', T=297.4, F=0.848 /
&RAMP ID='material_HRR', T=378.3, F=0.739 /
&RAMP ID='material_HRR', T=438.9, F=0.682 /
&RAMP ID='material_HRR', T=503.0, F=0.545 /
&RAMP ID='material_HRR', T=597.6, F=0.355 /
&RAMP ID='material_HRR', T=765.9, F=0.227 /
&RAMP ID='material_HRR', T=6000, F=0.0/
&DUMP MASS_FILE=.TRUE. /
=========================================================
&REAC FUEL='PROPANE' /
&PART ID='SMOKE', MASSLESS=.TRUE.,
 MONODISPERSE=.TRUE., COLOR='BLACK'/
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PET_Cartoon  4x1x2m
&MATL ID = 'PET_Cardboard', CONDUCTIVITY = 0.12, SPECIFIC_HEAT = 1.3,
DENSITY = 26.0, HEAT_OF_COMBUSTION = 21000., COLOR='BLUE'/
&SURF ID='PET_Cartoon', MATL_ID='PET_Cardboard',THICKNESS=0.20/ wall
&OBST XB=4.0,8.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B1
&OBST XB=4.0,8.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C1
&OBST XB=4.0,8.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D1
&OBST XB=4.0,8.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E1
&OBST XB=4.0,8.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F1
&OBST XB=4.0,8.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G1
&OBST XB=4.0,8.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H1

&OBST XB=8.0,12.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B2
&OBST XB=8.0,12.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C2
&OBST XB=8.0,12.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D2
&OBST XB=8.0,12.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E2
&OBST XB=8.0,12.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F2
&OBST XB=8.0,12.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G2
&OBST XB=8.0,12.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H2

&OBST XB=18.0,22.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B3
&OBST XB=18.0,22.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H3
&OBST XB=18.0,22.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D3
&OBST XB=18.0,22.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E3
&OBST XB=18.0,22.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F3
&OBST XB=18.0,22.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G3
&OBST XB=18.0,22.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C3

&OBST XB=22.0,26.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B4
&OBST XB=22.0,26.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C4
&OBST XB=22.0,26.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D4
&OBST XB=22.0,26.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E4
&OBST XB=22.0,26.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F4
&OBST XB=22.0,26.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G4
&OBST XB=22.0,26.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H4

&OBST XB=26.0,30.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B5
&OBST XB=26.0,30.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C5
&OBST XB=26.0,30.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D5
&OBST XB=26.0,30.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E5
&OBST XB=26.0,30.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F5
&OBST XB=26.0,30.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G5
&OBST XB=26.0,30.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H5
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THERMOCOUPLES – NOSNÍKY

&PROP ID='THERMO', BEAD_DIAMETER=0.002, BEAD_DENSITY=8470, BEAD_SPECIFIC_HEAT=0.444/

&DEVC ID='TC_A1h7', QUANTITY='THERMOCOUPLE', XYZ=1.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A2h7', QUANTITY='THERMOCOUPLE', XYZ=6.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A3h7', QUANTITY='THERMOCOUPLE', XYZ=12.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A3h10', QUANTITY='THERMOCOUPLE', XYZ=12.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A4h7', QUANTITY='THERMOCOUPLE', XYZ=19.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A4h10', QUANTITY='THERMOCOUPLE', XYZ=19.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A5h7', QUANTITY='THERMOCOUPLE', XYZ=25.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A5h10', QUANTITY='THERMOCOUPLE', XYZ=25.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A6h7', QUANTITY='THERMOCOUPLE', XYZ=30.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A6h10', QUANTITY='THERMOCOUPLE', XYZ=30.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B1h7', QUANTITY='THERMOCOUPLE', XYZ=1.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,6.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B2h7', QUANTITY='THERMOCOUPLE', XYZ=6.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,6.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B3h7', QUANTITY='THERMOCOUPLE', XYZ=12.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B3h10', QUANTITY='THERMOCOUPLE', XYZ=12.0,6.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B4h7', QUANTITY='THERMOCOUPLE', XYZ=19.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B4h10', QUANTITY='THERMOCOUPLE', XYZ=19.0,6.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B5h7', QUANTITY='THERMOCOUPLE', XYZ=25.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B5h10', QUANTITY='THERMOCOUPLE', XYZ=25.0,6.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_B6h7', QUANTITY='THERMOCOUPLE', XYZ=30.0,6.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
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&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=9.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=8.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=7.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=6.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=4.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=2.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=1.0/
============================================================
&TAIL /
============================================================
```

Příloha 4 - FDS model IV.

```
&HEAD CHID='hall',
TITLE='STABFI'/
&TIME T_END=3600.0, DT=0.01/
&DUMP RENDER_FILE='hall.ge1', DT_RESTART=30.0, DT_DEVC = 1.0,
DT_CTRL = 1.0, DT_HRR =1.0, DT_DEVC_LINE = 1.0/
=========================================================
&MESH ID='mesh_1', IJK=82,102,30, XB=-5.0,36.0,-5.0,46.0,0.0,15.0/
&MESH ID='mesh_2', IJK=76,28,60, XB=15.0,34.0,21.0,28.0,0.0,15.0/
=========================================================
&MATL ID='BETON', SPECIFIC_HEAT=1.02, CONDUCTIVITY=1.74,
DENSITY=2500.0 /
&MATL ID='OCEL', SPECIFIC_HEAT=0.46, CONDUCTIVITY=45.8,
DENSITY=7850.0, /
=========================================================
&SURF ID='STENA', DEFAULT=.TRUE., MATL_ID='OCEL', THICKNESS=0.009/
&SURF ID='STENA_PRUHLEDNA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.35/
&SURF ID='STRECHA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.5/
&SURF ID='NOSNIK', COLOR='BLACK', DEFAULT=.TRUE.,
MATL_ID='OCEL', THICKNESS=0.01 /
&SURF ID='PODLAHA', COLOR='GRAY', DEFAULT=.TRUE.,
MATL_ID='BETON', THICKNESS=0.25, TRANSPARENCY=0.7 /
=========================================================
&VENT ID='Mesh Vent: mesh_1 [XMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,46.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [XMIN]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,-5.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMAX]', SURF_ID='OPEN',
XB=36.0,36.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMIN]', SURF_ID='OPEN',
XB=-5.0,-5.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [ZMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,46.0,15.0,15.0/
=========================================================
&OBST XB=0.0,31.0,0.0,41.0,0.0,0.0, SURF_ID='PODLAHA'/ podlaha
&OBST XB=0.0,31.0,0.0,41.0,10.0,10.0, SURF_ID='STRECHA'/ střecha
&OBST XB=0.0,0.0,0.0,41.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/ stěna 1
&OBST XB=31.0,31.0,0.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna 6
&OBST XB=0.0,31.0,41.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna H
&OBST XB=0.0,31.0,0.0,0.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/
stěna A
```

```
=========================================================
&OBST XB=0.0,31.0,6.0,6.0,7.0,8.0, SURF_ID='NOSNIK'/ B
&OBST XB=0.0,31.0,12.0,12.0,7.0,8.0, SURF_ID='NOSNIK'/ C
&OBST XB=0.0,31.0,19.0,19.0,7.0,8.0, SURF_ID='NOSNIK'/ D
&OBST XB=0.0,31.0,25.0,25.0,7.0,8.0, SURF_ID='NOSNIK'/ E
&OBST XB=0.0,31.0,31.0,31.0,7.0,8.0, SURF_ID='NOSNIK'/ F
&OBST XB=0.0,31.0,36.0,36.0,7.0,8.0, SURF_ID='NOSNIK'/ G
=========================================================
&HOLE XB=30.0,32.0,13.0,18.0,0.0,3.0/ dveře 15 m2
&HOLE XB=-1.0,1.0,13.0,18.0,0.0,3.0/ dveře 15 m2
=========================================================
&VENT SURF_ID='PET_Burner', XB=18.0,22.0,24.0,25.0,6.0,6.0/ E3
&VENT SURF_ID='PET_Burner', XB=22.0,26.0,24.0,25.0,6.0,6.0/ E4
&VENT SURF_ID='PET_Burner', XB=26.0,30.0,24.0,25.0,6.0,6.0/ E5
&SURF ID='PET_BURNER', COLOR='RED', HRRPUA=3159,
RAMP_Q='material_HRR'/
&RAMP ID='material_HRR', T=10.0, F=0.0237 /
&RAMP ID='material_HRR', T=13.3, F=0.0853 /
&RAMP ID='material_HRR', T=26.7, F=0.104 /
&RAMP ID='material_HRR', T=40.1, F=0.128 /
&RAMP ID='material_HRR', T=56.8, F=0.152 /
&RAMP ID='material_HRR', T=66.6, F=0.275 /
&RAMP ID='material_HRR', T=76.4, F=0.422 /
&RAMP ID='material_HRR', T=96.2, F=0.625 /
&RAMP ID='material_HRR', T=112.7, F=0.735 /
&RAMP ID='material_HRR', T=132.7, F=0.806 /
&RAMP ID='material_HRR', T=162.8, F=0.877 /
&RAMP ID='material_HRR', T=189.6, F=0.919 /
&RAMP ID='material_HRR', T=199.8, F=0.896 /
&RAMP ID='material_HRR', T=202.9, F=1.0 /
&RAMP ID='material_HRR', T=219.8, F=0.981 /
&RAMP ID='material_HRR', T=253.4, F=0.976 /
&RAMP ID='material_HRR', T=270.3, F=0.929 /
&RAMP ID='material_HRR', T=283.9, F=0.877 /
&RAMP ID='material_HRR', T=297.4, F=0.848 /
&RAMP ID='material_HRR', T=378.3, F=0.739 /
&RAMP ID='material_HRR', T=438.9, F=0.682 /
&RAMP ID='material_HRR', T=503.0, F=0.545 /
&RAMP ID='material_HRR', T=597.6, F=0.355 /
&RAMP ID='material_HRR', T=765.9, F=0.227 /
&RAMP ID='material_HRR', T=6000, F=0.0/
&DUMP MASS_FILE=.TRUE. /
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&REAC FUEL='PROPANE' /
&PART ID='SMOKE', MASSLESS=.TRUE.,
 MONODISPERSE=.TRUE., COLOR='BLACK'/
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```
============================================================
PET_Cartoon  4x1x2m
&MATL ID = 'PET_Cardboard', CONDUCTIVITY = 0.12, SPECIFIC_HEAT = 1.3,
DENSITY = 26.0, HEAT_OF_COMBUSTION = 21000., COLOR='BLUE'/
&SURF ID='PET_Cartoon', MATL_ID='PET_Cardboard',THICKNESS=0.20/ wall
&OBST XB=4.0,8.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B1
&OBST XB=4.0,8.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C1
&OBST XB=4.0,8.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D1
&OBST XB=4.0,8.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E1
&OBST XB=4.0,8.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F1
&OBST XB=4.0,8.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G1
&OBST XB=4.0,8.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H1

&OBST XB=8.0,12.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B2
&OBST XB=8.0,12.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C2
&OBST XB=8.0,12.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D2
&OBST XB=8.0,12.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E2
&OBST XB=8.0,12.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F2
&OBST XB=8.0,12.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G2
&OBST XB=8.0,12.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H2

&OBST XB=18.0,22.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B3
&OBST XB=18.0,22.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H3
&OBST XB=18.0,22.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D3
&OBST XB=18.0,22.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E3
&OBST XB=18.0,22.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F3
&OBST XB=18.0,22.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G3
&OBST XB=18.0,22.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C3

&OBST XB=22.0,26.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B4
&OBST XB=22.0,26.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C4
&OBST XB=22.0,26.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D4
&OBST XB=22.0,26.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E4
&OBST XB=22.0,26.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F4
&OBST XB=22.0,26.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G4
&OBST XB=22.0,26.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H4

&OBST XB=26.0,30.0,5.0,6.0,0.0,2.0, SURF_ID='PET_Cartoon'/ B5
&OBST XB=26.0,30.0,11.0,12.0,0.0,2.0, SURF_ID='PET_Cartoon'/ C5
&OBST XB=26.0,30.0,19.0,20.0,0.0,2.0, SURF_ID='PET_Cartoon'/ D5
&OBST XB=26.0,30.0,24.0,25.0,0.0,2.0, SURF_ID='PET_Cartoon'/ E5
&OBST XB=26.0,30.0,30.0,31.0,0.0,2.0, SURF_ID='PET_Cartoon'/ F5
&OBST XB=26.0,30.0,35.0,36.0,0.0,2.0, SURF_ID='PET_Cartoon'/ G5
&OBST XB=26.0,30.0,40.0,41.0,0.0,2.0, SURF_ID='PET_Cartoon'/ H5
============================================================
```

THERMOCOUPLES – NOSNÍKY

&PROP ID='THERMO', BEAD_DIAMETER=0.002, BEAD_DENSITY=8470, BEAD_SPECIFIC_HEAT=0.444/

&DEVC ID='TC_A1h7', QUANTITY='THERMOCOUPLE', XYZ=1.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A2h7', QUANTITY='THERMOCOUPLE', XYZ=6.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A3h7', QUANTITY='THERMOCOUPLE', XYZ=12.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A3h10', QUANTITY='THERMOCOUPLE', XYZ=12.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A4h7', QUANTITY='THERMOCOUPLE', XYZ=19.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A4h10', QUANTITY='THERMOCOUPLE', XYZ=19.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A5h7', QUANTITY='THERMOCOUPLE', XYZ=25.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A5h10', QUANTITY='THERMOCOUPLE', XYZ=25.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_A6h7', QUANTITY='THERMOCOUPLE', XYZ=30.0,0.0,7.0, PROP_ID='THERMO', IOR=2/ 7m

&DEVC ID='TC_A6h10', QUANTITY='THERMOCOUPLE', XYZ=30.0,1.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B1h7', QUANTITY='THERMOCOUPLE', XYZ=1.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,6.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B2h7', QUANTITY='THERMOCOUPLE', XYZ=6.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,6.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B3h7', QUANTITY='THERMOCOUPLE', XYZ=12.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B3h10', QUANTITY='THERMOCOUPLE', XYZ=12.0,6.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B4h7', QUANTITY='THERMOCOUPLE', XYZ=19.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

&DEVC ID='TC_B4h10', QUANTITY='THERMOCOUPLE', XYZ=19.0,6.0,10.0, PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_B5h7', QUANTITY='THERMOCOUPLE', XYZ=25.0,6.0,7.0, PROP_ID='THERMO', IOR=-3/ 7m

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 PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_B6h7',  QUANTITY='THERMOCOUPLE', XYZ=30.0,6.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_B6h10', QUANTITY='THERMOCOUPLE', XYZ=30.0,6.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m

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 PROP_ID='THERMO', IOR=-3/  7m
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 PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_C2h7',  QUANTITY='THERMOCOUPLE', XYZ=6.0,12.0,7.0,
 PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_C2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,12.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_C3h7',  QUANTITY='THERMOCOUPLE', XYZ=12.0,12.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_C3h10', QUANTITY='THERMOCOUPLE', XYZ=12.0,12.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_C4h7',  QUANTITY='THERMOCOUPLE', XYZ=19.0,12.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_C4h10', QUANTITY='THERMOCOUPLE', XYZ=19.0,12.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_C5h7',  QUANTITY='THERMOCOUPLE', XYZ=25.0,12.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_C5h10', QUANTITY='THERMOCOUPLE',XYZ=25.0,12.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_C6h7',  QUANTITY='THERMOCOUPLE', XYZ=30.0,12.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_C6h10', QUANTITY='THERMOCOUPLE',XYZ=30.0,12.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_D1h7',  QUANTITY='THERMOCOUPLE', XYZ=1.0,19.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_D1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,19.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_D2h7',  QUANTITY='THERMOCOUPLE', XYZ=6.0,19.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_D2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,19.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_D3h7',  QUANTITY='THERMOCOUPLE', XYZ=12.0,19.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_D3h10', QUANTITY='THERMOCOUPLE',XYZ=12.0,19.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
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PROP_ID='THERMO', IOR=-3/  7m
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&DEVC ID='TC_D4h10', QUANTITY='THERMOCOUPLE', XYZ=19.0,19.0,10.0,
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&DEVC ID='TC_D5h7', QUANTITY='THERMOCOUPLE', XYZ=25.0,19.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_D5h10', QUANTITY='THERMOCOUPLE', XYZ=25.0,19.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_D6h7', QUANTITY='THERMOCOUPLE', XYZ=30.0,19.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_D6h10', QUANTITY='THERMOCOUPLE', XYZ=30.0,19.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_E1h7', QUANTITY='THERMOCOUPLE', XYZ=1.0,25.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_E1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,25.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_E2h7', QUANTITY='THERMOCOUPLE', XYZ=6.0,25.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
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PROP_ID='THERMO', IOR=-3/ 10m
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PROP_ID='THERMO', IOR=-3/ 7m
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PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_E4h7', QUANTITY='THERMOCOUPLE', XYZ=19.0,25.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_E4h10', QUANTITY='THERMOCOUPLE',XYZ=19.0,25.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
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PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_E5h10', QUANTITY='THERMOCOUPLE',XYZ=25.0,25.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
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PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_E6h10', QUANTITY='THERMOCOUPLE',XYZ=30.0,25.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_F1h7', QUANTITY='THERMOCOUPLE', XYZ=1.0,31.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
&DEVC ID='TC_F1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,31.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_F2h7', QUANTITY='THERMOCOUPLE', XYZ=6.0,31.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m
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PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_F3h7', QUANTITY='THERMOCOUPLE', XYZ=12.0,31.0,7.0,
PROP_ID='THERMO', IOR=-3/ 7m

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&DEVC ID='TC_F3h10', QUANTITY='THERMOCOUPLE', XYZ=12.0,31.0,10.0,
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PROP_ID='THERMO', IOR=-3/  7m
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 PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_F5h10', QUANTITY='THERMOCOUPLE', XYZ=25.0,31.0,10.0,
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PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_F6h10', QUANTITY='THERMOCOUPLE', XYZ=30.0,31.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_G1h7',  QUANTITY='THERMOCOUPLE', XYZ=1.0,36.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_G1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_G2h7',  QUANTITY='THERMOCOUPLE', XYZ=6.0,36.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_G2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_G3h7',  QUANTITY='THERMOCOUPLE', XYZ=12.0,36.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_G3h10', QUANTITY='THERMOCOUPLE',XYZ=12.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_G4h7',  QUANTITY='THERMOCOUPLE', XYZ=19.0,36.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_G4h10', QUANTITY='THERMOCOUPLE',XYZ=19.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_G5h7',  QUANTITY='THERMOCOUPLE', XYZ=25.0,36.0,7.0,
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_G5h10', QUANTITY='THERMOCOUPLE',XYZ=25.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_G6h7',  QUANTITY='THERMOCOUPLE', XYZ=30.0,36.0,7.0
PROP_ID='THERMO', IOR=-3/  7m
&DEVC ID='TC_G6h10', QUANTITY='THERMOCOUPLE',XYZ=30.0,36.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m

&DEVC ID='TC_H1h7',  QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/  7m
&DEVC ID='TC_H1h10', QUANTITY='THERMOCOUPLE', XYZ=1.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H2h7',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/  7m
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&DEVC ID='TC_H2h10', QUANTITY='THERMOCOUPLE', XYZ=6.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H3h7', QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H3h10', QUANTITY='THERMOCOUPLE', XYZ=12.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H4h7', QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H4h10', QUANTITY='THERMOCOUPLE', XYZ=19.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H5h7', QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H5h10', QUANTITY='THERMOCOUPLE', XYZ=25.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
&DEVC ID='TC_H6h7', QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,7.0,
PROP_ID='THERMO', IOR=-2/ 7m
&DEVC ID='TC_H6h10', QUANTITY='THERMOCOUPLE', XYZ=30.0,40.0,10.0,
PROP_ID='THERMO', IOR=-3/ 10m
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THERMOCOUPLES – SLOUPY
&DEVC ID='TC_A1h1', QUANTITY='THERMOCOUPLE', XYZ=1.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A1h3', QUANTITY='THERMOCOUPLE', XYZ=1.0,0.0,3.0,
PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A1h5', QUANTITY='THERMOCOUPLE', XYZ=1.0,0.0,5.0,
PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A2h1', QUANTITY='THERMOCOUPLE', XYZ=6.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A2h3', QUANTITY='THERMOCOUPLE', XYZ=6.0,0.0,3.0
PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A2h5', QUANTITY='THERMOCOUPLE', XYZ=6.0,0.0,5.0
PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A3h1', QUANTITY='THERMOCOUPLE', XYZ=12.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A3h3', QUANTITY='THERMOCOUPLE', XYZ=12.0,0.0,3.0,
PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A3h5', QUANTITY='THERMOCOUPLE', XYZ=12.0,0.0,5.0,
PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A4h1', QUANTITY='THERMOCOUPLE', XYZ=19.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A4h3', QUANTITY='THERMOCOUPLE', XYZ=19.0,0.0,3.0,
PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A4h5', QUANTITY='THERMOCOUPLE', XYZ=19.0,0.0,5.0,
PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A5h1', QUANTITY='THERMOCOUPLE', XYZ=25.0,0.0,1.0,
PROP_ID='THERMO', IOR=2/ 1m

&DEVC ID='TC_A5h3', QUANTITY='THERMOCOUPLE', XYZ=25.0,0.0,3.0, PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A5h5', QUANTITY='THERMOCOUPLE', XYZ=25.0,0.0,5.0, PROP_ID='THERMO', IOR=2/ 5m
&DEVC ID='TC_A6h1', QUANTITY='THERMOCOUPLE', XYZ=30.0,0.0,1.0, PROP_ID='THERMO', IOR=2/ 1m
&DEVC ID='TC_A6h3', QUANTITY='THERMOCOUPLE', XYZ=30.0,0.0,3.0, PROP_ID='THERMO', IOR=2/ 3m
&DEVC ID='TC_A6h5', QUANTITY='THERMOCOUPLE', XYZ=30.0,0.0,5.0, PROP_ID='THERMO', IOR=2/ 5m

&DEVC ID='TC_B1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,6.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
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&DEVC ID='TC_B1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,6.0,5.0, PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_B6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,6.0,1.0, PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_B6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,6.0,3.0, PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_B6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,6.0,5.0, PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_C1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,12.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
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&DEVC ID='TC_C1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,12.0,5.0, PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_C6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,12.0,1.0, PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_C6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,12.0,3.0, PROP_ID='THERMO', IOR=-1/ 3m
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&DEVC ID='TC_D1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_D1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,3.0, PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_D1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,19.0,5.0, PROP_ID='THERMO', IOR=1/ 5m
&DEVC ID='TC_D6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,1.0, PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_D6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,3.0, PROP_ID='THERMO', IOR=-1/ 3m

&DEVC ID='TC_D6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,19.0,5.0, PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_E1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_E1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,3.0, PROP_ID='THERMO', IOR=1/ 3m
&DEVC ID='TC_E1h5', QUANTITY='THERMOCOUPLE', XYZ=0.0,25.0,5.0, PROP_ID='THERMO', IOR=1/ 5m
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&DEVC ID='TC_E6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,25.0,5.0, PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_F1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,31.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
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&DEVC ID='TC_F6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,31.0,5.0, PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_G1h1', QUANTITY='THERMOCOUPLE', XYZ=0.0,36.0,1.0, PROP_ID='THERMO', IOR=1/ 1m
&DEVC ID='TC_G1h3', QUANTITY='THERMOCOUPLE', XYZ=0.0,36.0,3.0, PROP_ID='THERMO', IOR=1/ 3m
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&DEVC ID='TC_G6h1', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,1.0, PROP_ID='THERMO', IOR=-1/ 1m
&DEVC ID='TC_G6h3', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,3.0 PROP_ID='THERMO', IOR=-1/ 3m
&DEVC ID='TC_G6h5', QUANTITY='THERMOCOUPLE', XYZ=31.0,36.0,5.0, PROP_ID='THERMO', IOR=-1/ 5m

&DEVC ID='TC_H1h1', QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,1.0, PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H1h3', QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,3.0, PROP_ID='THERMO', IOR=-2/ 3m

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&DEVC ID='TC_H1h5',  QUANTITY='THERMOCOUPLE', XYZ=1.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H2h1',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H2h3',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H2h5',  QUANTITY='THERMOCOUPLE', XYZ=6.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H3h1',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H3h3',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H3h5',  QUANTITY='THERMOCOUPLE', XYZ=12.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H4h1',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H4h3',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H4h5',  QUANTITY='THERMOCOUPLE', XYZ=19.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H5h1',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,1.0,
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H5h3',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H5h5',  QUANTITY='THERMOCOUPLE', XYZ=25.0,41.0,5.0,
PROP_ID='THERMO', IOR=-2/ 5m
&DEVC ID='TC_H6h1',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,1.0
PROP_ID='THERMO', IOR=-2/ 1m
&DEVC ID='TC_H6h3',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,3.0,
PROP_ID='THERMO', IOR=-2/ 3m
&DEVC ID='TC_H6h5',  QUANTITY='THERMOCOUPLE', XYZ=30.0,41.0,5.0
PROP_ID='THERMO', IOR=-2/ 5m
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&BNDF QUANTITY='GAUGE HEAT FLUX'/
&BNDF QUANTITY='WALL TEMPERATURE'/
&BNDF QUANTITY='ADIABATIC SURFACE TEMPERATURE'/

&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=-1.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=3.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=15.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBX=30.0/

&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=6.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=17.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=27.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBY=40.0/
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&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=10.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=9.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=8.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=7.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=6.0/
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&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=2.0/
&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=1.0/
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&TAIL /
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Příloha 5 - FDS model V.

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&HEAD CHID='hall',
TITLE='STABFI'/
&TIME T_END=3600.0, DT=0.01/
&DUMP RENDER_FILE='hall.ge1', DT_RESTART=30.0, DT_DEVC = 1.0,
DT_CTRL = 1.0, DT_HRR =1.0, DT_DEVC_LINE = 1.0/
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&MESH ID='mesh_1', IJK=82,102,30, XB=-5.0,36.0,-5.0,46.0,0.0,15.0/
&MESH ID='mesh_2', IJK=76,28,60, XB=15.0,34.0,21.0,28.0,0.0,15.0/
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&MATL ID='BETON', SPECIFIC_HEAT=1.02, CONDUCTIVITY=1.74,
DENSITY=2500.0 /
&MATL ID='OCEL', SPECIFIC_HEAT=0.46, CONDUCTIVITY=45.8,
DENSITY=7850.0, /
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&SURF ID='STENA', DEFAULT=.TRUE., MATL_ID='OCEL', THICKNESS=0.009/
&SURF ID='STENA_PRUHLEDNA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.35/
&SURF ID='STRECHA', DEFAULT=.TRUE., MATL_ID='OCEL',
THICKNESS=0.009, TRANSPARENCY=0.5/
&SURF ID='NOSNIK', COLOR='BLACK', DEFAULT=.TRUE.,
MATL_ID='OCEL', THICKNESS=0.01 /
&SURF ID='PODLAHA', COLOR='GRAY', DEFAULT=.TRUE.,
MATL_ID='BETON', THICKNESS=0.25, TRANSPARENCY=0.7 /
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&VENT ID='Mesh Vent: mesh_1 [XMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,46.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [XMIN]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,-5.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMAX]', SURF_ID='OPEN',
XB=36.0,36.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [YMIN]', SURF_ID='OPEN',
XB=-5.0,-5.0,-5.0,46.0,0.0,15.0/
&VENT ID='Mesh Vent: mesh_1 [ZMAX]', SURF_ID='OPEN',
XB=-5.0,36.0,-5.0,46.0,15.0,15.0/
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&OBST XB=0.0,31.0,0.0,41.0,0.0,0.0, SURF_ID='PODLAHA'/ podlaha
&OBST XB=0.0,31.0,0.0,41.0,10.0,10.0, SURF_ID='STRECHA'/ střecha
&OBST XB=0.0,0.0,0.0,41.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/ stěna 1
&OBST XB=31.0,31.0,0.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna 6
&OBST XB=0.0,31.0,41.0,41.0,0.0,11.0, SURF_ID='STENA'/ stěna H
&OBST XB=0.0,31.0,0.0,0.0,0.0,11.0, SURF_ID='STENA_PRUHLEDNA'/
stěna A
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&OBST XB=0.0,31.0,6.0,6.0,7.0,8.0, SURF_ID='NOSNIK'/ B
&OBST XB=0.0,31.0,12.0,12.0,7.0,8.0, SURF_ID='NOSNIK'/ C
&OBST XB=0.0,31.0,19.0,19.0,7.0,8.0, SURF_ID='NOSNIK'/ D
&OBST XB=0.0,31.0,25.0,25.0,7.0,8.0, SURF_ID='NOSNIK'/ E
&OBST XB=0.0,31.0,31.0,31.0,7.0,8.0, SURF_ID='NOSNIK'/ F
&OBST XB=0.0,31.0,36.0,36.0,7.0,8.0, SURF_ID='NOSNIK'/ G
=========================================================
&HOLE XB=30.0,32.0,13.0,18.0,0.0,3.0/ dveře 15 m2
=========================================================
&OBST XB=4.0,5.0,12.0,13.0,0.0,1.0, SURF_ID='PODLAHA',COLOR='BLACK'/
&VENT SURF_ID='BURNER', XB=4.0,5.0,12.0,13.0,1.0,1.0/
&SURF ID='BURNER', COLOR='RED', HRRPUA=900, RAMP_Q='PETROLEJ',
PART_ID='SMOKE'/ SKVRNA 1 m2
&RAMP ID='PETROLEJ', T=0.0, F=0.0 /
&RAMP ID='PETROLEJ', T=100.0,F=1.0/
&RAMP ID='PETROLEJ', T=300.0,F=1.0/
&RAMP ID='PETROLEJ', T=600.0,F=0.0/
&DUMP MASS_FILE=.TRUE. /
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Dřevěná paleta + PET lahve 4x1m výška 6m
&MATL ID   = 'PET_Cardboard', CONDUCTIVITY = 0.12, SPECIFIC_HEAT = 1.3,
DENSITY = 26.0,  HEAT_OF_COMBUSTION = 21000. /
&SURF ID='PET_Cartoon', MATL_ID = 'PET_Cardboard',
IGNITION_TEMPERATURE = 320., BURN_AWAY = .TRUE., HRRPUA=3159,
RAMP_Q='material_HRR'. RGB = 218, 175, 84, THICKNESS = 2.0,
BACKING   = 'INSULATED'/
&RAMP ID='material_HRR', T=10.0, F=0.0237 /
&RAMP ID='material_HRR', T=13.3, F=0.0853 /
&RAMP ID='material_HRR', T=26.7, F=0.104 /
&RAMP ID='material_HRR', T=40.1, F=0.128 /
&RAMP ID='material_HRR', T=56.8, F=0.152 /
&RAMP ID='material_HRR', T=66.6, F=0.275 /
&RAMP ID='material_HRR', T=76.4, F=0.422 /
&RAMP ID='material_HRR', T=96.2, F=0.625 /
&RAMP ID='material_HRR', T=112.7, F=0.735 /
&RAMP ID='material_HRR', T=132.7, F=0.806 /
&RAMP ID='material_HRR', T=162.8, F=0.877 /
&RAMP ID='material_HRR', T=162.8, F=0.877 /
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&RAMP ID='material_HRR', T=162.8, F=0.877 /
&RAMP ID='material_HRR', T=189.6, F=0.919 /
&RAMP ID='material_HRR', T=199.8, F=0.896 /
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&RAMP ID='material_HRR', T=202.9, F=1.0 /
&RAMP ID='material_HRR', T=219.8, F=0.981 /
&RAMP ID='material_HRR', T=253.4, F=0.976 /
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&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=9.0/
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&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=7.0/
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&SLCF QUANTITY='TEMPERATURE', VECTOR=.TRUE., PBZ=4.0/
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THERMOCOUPLES – NOSNÍKY

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THERMOCOUPLES – SLOUPY
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