

Proj "SFM-w10-v75-aggregate5"  
ProgramVersion = "eQUEST 3.64.6982"  
BDBaseVersion = 24  
ProductCode = "eQUEST"  
WeatherFile = "CZ2\CZ10.bin"  
CreateDate = 1269636387  
ModDate = 1269850534  
RunDate = 1269746643  
LibraryFile = "eQ\_Lib.dat"  
ActiveMode = 0  
InputModule = 1  
UseCameraData = 1  
ClippingRange = ( 468.015, 1054.28 )  
FocalPoint = ( 40.3183, 116.773, 10.8346 )  
Position = ( -571.489, 224.65, 388.028 )  
ViewUpVector = ( 0, 0, 1 )  
ViewAngle = 30  
InterfaceMode = 1  
AllowWizard = 1  
NotProjFile = "SFM-w10-v75-aggregate5"  
ActiveFacetColors[1] = "By Wall Type"  
ActiveFacetColors[2] = "By Glass Type"  
PreviousName = "SFM-w10-v75-aggregate2"  
DetailedModelEdits = 1  
ProjTreeType[2] = 1  
ProjTreeType[3] = 1  
ProjTreeType[4] = 1  
ProjTreeType[5] = 1  
ProjTreeType[6] = 1  
ProjTreeID[2] = 10280007  
ProjTreeID[3] = 10080019  
ProjTreeID[4] = 10280000  
ProjTreeID[5] = 10280025  
ProjTreeID[6] = 10750001  
ProjTreeLabel[2] = "DEER Res Shade Aug"  
ProjTreeLabel[3] = "1-Storey North (West Side)"  
ProjTreeLabel[4] = "DEER Res Shade Jan"  
ProjTreeLabel[5] = "Ltg W Reduced per Residence"  
ProjTreeLabel[6] = "EM2"  
BDBUpdateReEval = 1  
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MainWiz "SFM-w10-v75-aggregate5"  
ProductCode = "eQUEST"  
WizardType = "Design Development"  
DebugID = 0  
DefaultMechanism = "California Deemed Savings (DEER)"  
AllowCustWinDoor = 1  
Coverage = "California (Title 24)"  
State = "San Bernardino Area (CZ10)"  
Location = "Riverside Exp Sta"  
ElecUtility = "- custom -"  
GasUtility = "- none -"  
UserElecRate[1] = "DEER Demand Rate - EM1"  
UserElecRate[2] = "DEER Demand Rate - EM2"  
BldgType = "Residential, Single-Family"

AnalysisYear = 1991  
HeatSource = "Furnace"  
NumSeasons = 3  
NumDatePeriods = ( 1, 2 )  
SeasonLabels = ( "Winter", "Summer", "Spring-Fall" )  
SecSeasStartMoDa[1] = 601  
SecSeasEndMoDa[1] = 930  
TerSeasStartMoDa[1] = 401  
TerSeasStartMoDa[2] = 1001  
TerSeasEndMoDa[1] = 531  
TerSeasEndMoDa[2] = 1130  
DesDaySumDB = 0  
DesDaySumWB = 0  
DesDaySumRange = 0  
DesDayWinExtreme = 0  
DesDayCISStartMonth = 7  
DesDayCISStartDay = -1  
DesDayCINumDays = 7  
Geom\_Mechanism = "DEER Single Family Residential"  
Geom\_Current = 1  
Geom\_ShellLength[1] = 42.9548  
Geom\_ShellWidth[1] = 28.6365  
Geom\_ShellArea[1] = 1636  
Geom\_FootprintArea[1] = 1230.08  
Geom\_AspectRatio[1] = 1.5  
Geom\_AvgStories[1] = 1.33  
Geom\_TotalOccupys[1] = 2.7  
Geom\_WinWidth[1] = 2.23805

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ShellWiz "SFAM1 Garage1"  
BldgType = "Residential, Single-Family"  
FirsAboveGrade = 1  
FirsBelowGrade = 0  
ShellPos\_Specify = 1  
BldgX = 0  
BldgY = 0  
BldgZ = 0  
Geom\_ShellID = "Garage 1 (2-story)"  
Geom\_NumStories = 2  
Footprint = "- custom -"  
UseAspectRatio = 0  
FlrToFlr = 8.5  
FlrToCeiling = 8.5  
ZoningPattern = "One Per Floor"  
NumMCZnGrps = 0  
DiagLink = "SFAM1 Garage1 Diag Data"  
RoofConsType = "Wood Advanced Frame, 24 in. o.c."  
RoofBrdInsType = "- no ext board insulation -"  
RoofSecInsType = "- no batt or rad barrier -"  
RoofFinish = "Roofing, shingle"  
VertExtConsType = "Wood Frame, 2x4, 16 in. o.c."  
VertExtBrdInsType = "- no ext board insulation -"  
VertExtSecInsType = "- no batt -"  
VertExtIntInsType = "- no board insulation -"  
VertExtFinish = "Stucco/Gunite"

AtticDesCoolTemp = 60  
AtticDesHeatTemp = 52  
AdjShellWallCons = "Garage Int Wall"  
InfilOption = "ACH by Activity Area"  
PerimInfil = 0.35  
CoreInfil = 0.35  
InfilSchedOption = "Constant (100% of input)"  
ZoningCurrent = 1  
NumFloorVertices = 4  
FloorVertX[1] = 0  
FloorVertX[2] = 0  
FloorVertX[3] = -14.3183  
FloorVertX[4] = -14.3183  
FloorVertY[1] = 0  
FloorVertY[2] = 14  
FloorVertY[3] = 14  
FloorVertY[4] = 0  
AdiabaticCurrent = 1  
ZoneGroupsOK = 1  
DfltZnGrpName = ( "EL1 Underground Areas", "EL1 Ground Floor",  
"EL1 Ground Floor", "EL1 Typical Floor(s)",  
"EL1 Typical Floor(s)", "EL1 Top Floor",  
"EL1 Top Floor" )  
NumResUnits = 0.5  
CustomFootprint = 1  
CustomRoofZoning = -1  
FloorArea = 200.456  
FloorPerimLen = 56.6366  
OverhangOption = "None"  
GTCCategory[1] = "- select another -"  
GTCCategory[2] = "- select another -"  
GTCCategory[3] = "- select another -"  
WinAreaSpecMethod = "Percent of Conditioned Floor Area"  
PercentGlassI1[1] = 0  
PercentGlassI2[1] = 0  
PercentGlassI3[1] = 0  
PercentGlassI4[1] = 0  
DoorType = ( "Overhead", "- select another -", "- select another -" )  
NumExtDoors1[1] = 0  
NumExtDoors2[1] = 0  
NumExtDoors3[1] = 0  
NumExtDoors4[1] = 1  
DoorWidth[1] = 12  
OpaqueDoorType[2] = "- select another -"  
OpaqueDoorType[3] = "- select another -"  
DoorHeight[1] = 7.5  
WindowFinOption = "None"  
TypWindowWidth[1] = 2.23805  
GP\_SpecMethod[1] = "NFRC Ufactor"  
GP\_SpecMethod[2] = "NFRC Ufactor"  
GP\_SolSpecMethod[1] = "NFRC SHGC"  
GP\_SolSpecMethod[2] = "NFRC SHGC"  
GP\_Ufactor[1] = 0.95  
GP\_Ufactor[2] = 0.95  
GP\_SHGC[1] = 0.87  
GP\_SHGC[2] = 0.87

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SkyZonesCurrent = 1
SkyItZones[1] = 1
SkyPosCurrent = 1
DayZonesCurrent[3] = 1
DayItZones[401] = 1
WinDoorCurrent = 1
DetailsCurrent = ( 1, 1, 1 )
BDLNumDayItCtrls[401] = 0
ActAreaType = ( "Residential (Garage)", "- select another -",
    "- select another -", "- select another -",
    "- select another -", "- select another -",
    "- select another -", "- select another -" )
PercentArea[1] = 100
OccupDensity[1] = 10000
Infiltration[1] = 1.5
ActAreaSeas1SchGrp[1] = "Residential (sngl fam) Garage (Winter)"
ActAreaSeas2SchGrp[1] = "Residential (sngl fam) Garage (Spr-Sum)"
ActAreaSeas3SchGrp[1] = "Residential (sngl fam) Garage (other)"
AAOccShape[1] = "EL1 Res-Garage (A1) Occup (S1)"
AAOccShape[11] = "EL1 Res-Garage (A1) Occup (S2)"
AAOccShape[21] = "EL1 Res-Garage (A1) Occup (S3)"
AAILShape[1] = "EL1 Res-Garage (A1) InsLtg (S1)"
AAILShape[11] = "EL1 Res-Garage (A1) InsLtg (S2)"
AAILShape[21] = "EL1 Res-Garage (A1) InsLtg (S3)"
DaylitAreaCurrent[3] = 1
CeilConsBDLUseUVal = 1
RoofSpaceInfMeth = "Residential"
RoofZoneErrorCode = 4
SFamMeterWeight = 0.165
SFamLtgPower = 0.0226566
BDBaseUpdateFlag[3] = 0
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ZnGrpWiz "EL1 Ground Floor"
  ShortName = "GndFlr"
  AssignedDHWSys = "DHW SF1"
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ShapeWiz "EL1 Res-Garage (A1) InsLtg (S1)"
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ShapeWiz "EL1 Res-Garage (A1) InsLtg (S2)"
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ShapeWiz "EL1 Res-Garage (A1) InsLtg (S3)"
..

ShapeWiz "EL1 Res-Garage (A1) Occup (S1)"
..

ShapeWiz "EL1 Res-Garage (A1) Occup (S2)"
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ShapeWiz "EL1 Res-Garage (A1) Occup (S3)"
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AdjWall "Adjoining Wall 1"

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ShellWiz "SFAM1 Dwelling"

BldgType = "Residential, Single-Family"  
FlrsAboveGrade = 2  
FlrsBelowGrade = 0  
ShellPos\_Specify = 1  
BldgX = 0  
BldgY = 14  
BldgZ = 0  
Geom\_ShellID = "Two Story Dwelling"  
Geom\_NumStories = 2  
Footprint = "- custom -"  
UseAspectRatio = 0  
FlrToFlr = 8.5  
FlrToCeiling = 8.5  
ZoningPattern = "One Per Floor"  
NumMCZnGrps = 0  
DiagLink = "SFAM1 Dwelling Diag Data"  
RoofConsType = "Wood Advanced Frame, 24 in. o.c."  
RoofFinish = "Roofing, shingle"  
VertExtConsType = "Wood Frame, 2x4, 16 in. o.c."  
VertExtBrdInsType = "- no ext board insulation -"  
VertExtSecInsType = "- no batt -"  
VertExtIntInsType = "- no board insulation -"  
VertExtFinish = "Stucco/Gunite"  
EWallOverallRVal = 9.92  
AtticFrameType = "Wood, Standard Framing"  
AtticInsType = "- no batt -"  
AtticDesCoolTemp = 60  
AtticDesHeatTemp = 52  
AFirOverallRVal = 16.38  
GrndFlrExposure = "Over Crawl Space"  
ModelCrawlSpaces = 1  
CrawlSpaceCons = ( "Floor abv Crawl Space", "Crawl Space Floor",  
"Crawl Space Wall" )  
InfilOption = "ACH by Activity Area"  
PerimInfil = 0.35  
CoreInfil = 0.35  
InfilSchedOption = "Constant (100% of input)"  
ZoningCurrent = 1  
NumFloorVertices = 4  
FloorVertX[1] = 0  
FloorVertX[2] = 0  
FloorVertX[3] = -28.6365  
FloorVertX[4] = -28.6365  
FloorVertY[1] = 0  
FloorVertY[2] = 42.9548  
FloorVertY[3] = 42.9548  
FloorVertY[4] = 0  
AdiabaticCurrent = 1  
ZoneGroupsOK = 1  
DfltZnGrpName = ( "EL2 Underground Areas", "EL2 Ground Floor",  
"EL2 Ground Floor", "EL2 Typical Floor(s)",  
"EL2 Typical Floor(s)", "EL2 Top Floor",

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        "EL2 Top Floor" )
NumResUnits = 1
CustomFootprint = 1
CustomRoofZoning = -1
FloorArea = 1230.08
FloorPerimLen = 143.183
OverhangOption = "None"
GTCCategory[1] = "- specify properties -"
GTCCategory[2] = "- select another -"
GTCCategory[3] = "- select another -"
WindowHeight[1] = 4
WinSillHeight[1] = 3.5
WinFrameWidth[1] = 0
WinAreaSpecMethod = "Percent of Conditioned Floor Area"
PercentGlass1[1] = 19.4074
PercentGlass2[1] = 19.4074
PercentGlass3[1] = 5
PercentGlass4[1] = 5
DoorType = ( "Opaque", "- select another -", "- select another -" )
NumExtDoors1[1] = 0
NumExtDoors2[1] = 0
NumExtDoors3[1] = 0
NumExtDoors4[1] = 0
DoorWidth[1] = 3
OpaqueDoorType[2] = "- select another -"
OpaqueDoorType[3] = "- select another -"
DoorHeight[1] = 6.7
WindowFinOption = "None"
TypWindowWidth[1] = 2.23805
WinWdPrecedence[1] = 1
GP_SpecMethod[1] = "NFRC Ufactor"
GP_SpecMethod[2] = "NFRC Ufactor"
GP_SolSpecMethod[1] = "NFRC SHGC"
GP_SolSpecMethod[2] = "NFRC SHGC"
GP_Ufactor[1] = 0.95
GP_Ufactor[2] = 0.95
GP_SHGC[1] = 0.87
GP_SHGC[2] = 0.87
BDLWinShadeSch[1] = "DEER Res ShadeSch"
BDLWinShadeType[1] = "Fixed Interior"
SkyZonesCurrent = 1
SkyltZones[1] = 1
SkyPosCurrent = 1
DayZonesCurrent[1] = 1
DayZonesCurrent[3] = 1
DayltZones[1] = 1
DayltZones[401] = 1
WinDoorCurrent = 1
DetailsCurrent = ( 1, 1, 1 )
BDLNumDayltCtrls[1] = 0
BDLNumDayltCtrls[401] = 0
ActAreaType = ( "Residential (Bedroom)",
    "Residential (General Living Space)",
    "- select another -", "- select another -",
    "- select another -", "- select another -",
    "- select another -", "- select another -" )

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PercentArea[1] = 50  
 PercentArea[2] = 50  
 OccupDensity[1] = 332.453  
 OccupDensity[2] = 332.453  
 Infiltration[1] = 0.35  
 Infiltration[2] = 0.35  
 PrimFirstFloor[2] = 1  
 PrimTopFloor[1] = 1  
 ActAreaSeas1SchGrp[1] = "Residential (sngl fam) Bedrms (Winter)"  
 ActAreaSeas1SchGrp[2] = "Residential (sngl fam) Living (Winter)"  
 ActAreaSeas2SchGrp[1] = "Residential (sngl fam) Bedrms (Spr-Sum)"  
 ActAreaSeas2SchGrp[2] = "Residential (sngl fam) Living (Spr-Sum)"  
 ActAreaSeas3SchGrp[1] = "Residential (sngl fam) Bedrms (other)"  
 ActAreaSeas3SchGrp[2] = "Residential (sngl fam) Living (other)"  
 AAOccShape[1] = "EL2 Res-Bedroom (A1) Occup (S1)"  
 AAOccShape[2] = "EL2 Res-Living (A2) Occup (S1)"  
 AAOccShape[11] = "EL2 Res-Bedroom (A1) Occup (S2)"  
 AAOccShape[12] = "EL2 Res-Living (A2) Occup (S2)"  
 AAOccShape[21] = "EL2 Res-Bedroom (A1) Occup (S3)"  
 AAOccShape[22] = "EL2 Res-Living (A2) Occup (S3)"  
 AAILShape[1] = "EL2 Res-Bedroom (A1) InsLtg (S1)"  
 AAILShape[2] = "EL2 Res-Living (A2) InsLtg (S1)"  
 AAILShape[11] = "EL2 Res-Bedroom (A1) InsLtg (S2)"  
 AAILShape[12] = "EL2 Res-Living (A2) InsLtg (S2)"  
 AAILShape[21] = "EL2 Res-Bedroom (A1) InsLtg (S3)"  
 AAILShape[22] = "EL2 Res-Living (A2) InsLtg (S3)"  
 AAOEShape[1] = "EL2 Res-Bedroom (A1) OE (S1)"  
 AAOEShape[2] = "EL2 Res-Living (A2) OE (S1)"  
 AAOEShape[11] = "EL2 Res-Bedroom (A1) OE (S2)"  
 AAOEShape[12] = "EL2 Res-Living (A2) OE (S2)"  
 AAOEShape[21] = "EL2 Res-Bedroom (A1) OE (S3)"  
 AAOEShape[22] = "EL2 Res-Living (A2) OE (S3)"  
 AACEShape[1] = "EL2 Res-Bedroom (A1) Cook (S1)"  
 AACEShape[2] = "EL2 Res-Living (A2) Cook (S1)"  
 AACEShape[11] = "EL2 Res-Bedroom (A1) Cook (S2)"  
 AACEShape[12] = "EL2 Res-Living (A2) Cook (S2)"  
 AACEShape[21] = "EL2 Res-Bedroom (A1) Cook (S3)"  
 AACEShape[22] = "EL2 Res-Living (A2) Cook (S3)"  
 AAMiscShape[1] = "EL2 Res-Bedroom (A1) Misc (S1)"  
 AAMiscShape[2] = "EL2 Res-Living (A2) Misc (S1)"  
 AAMiscShape[11] = "EL2 Res-Bedroom (A1) Misc (S2)"  
 AAMiscShape[12] = "EL2 Res-Living (A2) Misc (S2)"  
 AAMiscShape[21] = "EL2 Res-Bedroom (A1) Misc (S3)"  
 AAMiscShape[22] = "EL2 Res-Living (A2) Misc (S3)"  
 AADHW1Shape[1] = "EL2 Res-Bedroom (A1) DHW-1 (S1)"  
 AADHW1Shape[11] = "EL2 Res-Bedroom (A1) DHW-1 (S2)"  
 AADHW1Shape[21] = "EL2 Res-Bedroom (A1) DHW-1 (S3)"  
 AADHW2Shape[1] = "EL2 Res-Bedroom (A1) DHW-2 (S1)"  
 AADHW2Shape[11] = "EL2 Res-Bedroom (A1) DHW-2 (S2)"  
 AADHW2Shape[21] = "EL2 Res-Bedroom (A1) DHW-2 (S3)"  
 AADHW3Shape[1] = "EL2 Res-Bedroom (A1) DHW-3 (S1)"  
 AADHW3Shape[2] = "EL2 Res-Living (A2) DHW-3 (S1)"  
 AADHW3Shape[11] = "EL2 Res-Bedroom (A1) DHW-3 (S2)"  
 AADHW3Shape[12] = "EL2 Res-Living (A2) DHW-3 (S2)"  
 AADHW3Shape[21] = "EL2 Res-Bedroom (A1) DHW-3 (S3)"  
 AADHW3Shape[22] = "EL2 Res-Living (A2) DHW-3 (S3)"

AADHW4Shape[2] = "EL2 Res-Living (A2) DHW-4 (S1)"  
AADHW4Shape[12] = "EL2 Res-Living (A2) DHW-4 (S2)"  
AADHW4Shape[22] = "EL2 Res-Living (A2) DHW-4 (S3)"  
AADHW5Shape[2] = "EL2 Res-Living (A2) DHW-5 (S1)"  
AADHW5Shape[12] = "EL2 Res-Living (A2) DHW-5 (S2)"  
AADHW5Shape[22] = "EL2 Res-Living (A2) DHW-5 (S3)"  
AAMtrShape[1] = "EL2 Res-Bedroom (A1) Mtr (S1)"  
AAMtrShape[2] = "EL2 Res-Living (A2) Mtr (S1)"  
AAMtrShape[11] = "EL2 Res-Bedroom (A1) Mtr (S2)"  
AAMtrShape[12] = "EL2 Res-Living (A2) Mtr (S2)"  
AAMtrShape[21] = "EL2 Res-Bedroom (A1) Mtr (S3)"  
AAMtrShape[22] = "EL2 Res-Living (A2) Mtr (S3)"  
AAPrcShape[1] = "EL2 Res-Bedroom (A1) Prc (S1)"  
AAPrcShape[2] = "EL2 Res-Living (A2) Prc (S1)"  
AAPrcShape[11] = "EL2 Res-Bedroom (A1) Prc (S2)"  
AAPrcShape[12] = "EL2 Res-Living (A2) Prc (S2)"  
AAPrcShape[21] = "EL2 Res-Bedroom (A1) Prc (S3)"  
AAPrcShape[22] = "EL2 Res-Living (A2) Prc (S3)"  
AASCRShape[1] = "EL2 Res-Bedroom (A1) SCRfg (S1)"  
AASCRShape[2] = "EL2 Res-Living (A2) SCRfg (S1)"  
AASCRShape[11] = "EL2 Res-Bedroom (A1) SCRfg (S2)"  
AASCRShape[12] = "EL2 Res-Living (A2) SCRfg (S2)"  
AASCRShape[21] = "EL2 Res-Bedroom (A1) SCRfg (S3)"  
AASCRShape[22] = "EL2 Res-Living (A2) SCRfg (S3)"  
GroundExtFacets[1] = "SFAM1 Facet 1"  
GroundExtFacets[2] = "SFAM1 Facet 2"  
TopAboveExtFacets[1] = "SFAM1 Facet 3"  
TopAboveExtFacets[2] = "SFAM1 Facet 4"  
DaylitAreaCurrent[1] = 1  
DaylitAreaCurrent[3] = 1  
CeilConsBDLUseUVal = 1  
HasPitchedRoof = 1  
RoofOverhang = 2  
GableOverhang = 2  
RoofSpaceInfMeth = "Residential"  
RoofEndIsGable[2] = 1  
RoofEndIsGable[4] = 1  
SFamMeterWeight = 0.165  
SFamLtgPower = 1.09478  
BldgShadesCurrent = 1  
BldgShadeHeight = 10  
BldgShadeDist = 2.5  
BldgShadeTrans = ( 0.9, 0.83, 0.7, 0.6, 0.5, 0.38, 0.3, 0.38, 0.5,  
0.6, 0.7, 0.83 )  
BDBaseUpdateFlag[3] = 0

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ShadeWiz "SFAM1 Shade - Front"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 1  
BDL\_X = 2.5  
BDL\_Y = -2.5  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 75.9548  
BDL\_Azimuth = 90



BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

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ShadeWiz "SFAM1 Shade - Right"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 2  
BDL\_X = 2.5  
BDL\_Y = 73.4548  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 33.6365  
BDL\_Azimuth = 0  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

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ShadeWiz "SFAM1 Shade - Back"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 3  
BDL\_X = -31.1365  
BDL\_Y = 73.4548  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 75.9548  
BDL\_Azimuth = 270  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

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ShadeWiz "SFAM1 Shade - Left"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 4  
BDL\_X = -31.1365  
BDL\_Y = -2.5  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 33.6365  
BDL\_Azimuth = 180  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

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FacetWiz "SFAM1 Facet 1"  
ParentZoneldx = 0  
SegmentNumber = 1

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WinWiz "SFAM1 Window 1"  
X = 3  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

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DoorWiz "SFAM1 Door 1"  
X = 8  
Y = 0  
Width = 3  
Height = 6.7  
FrameWidth = 0  
DoorTypeldx = 0  
..

FacetWiz "SFAM1 Facet 2"  
ParentZoneldx = 0  
SegmentNumber = 3  
..

WinWiz "SFAM1 Window 2"  
X = 3  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0  
..

DoorWiz "SFAM1 Door 2"  
X = 8  
Y = 0  
Width = 3  
Height = 6.7  
FrameWidth = 0  
DoorTypeldx = 0  
..

FacetWiz "SFAM1 Facet 3"  
ParentZoneldx = 0  
SegmentNumber = 1  
..

WinWiz "SFAM1 Window 3"  
X = 3  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0  
..

FacetWiz "SFAM1 Facet 4"  
ParentZoneldx = 0  
SegmentNumber = 3  
..

WinWiz "SFAM1 Window 4"

X = 3  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

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ZnGrpWiz "EL2 Ground Floor"  
ShortName = "GndFlr"  
AssignedDHWSys = "DHW SF1"

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ZnGrpWiz "EL2 Top Floor"  
ShortName = "TopFlr"  
AssignedDHWSys = "DHW SF1"

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ShapeWiz "EL2 Res-Bedroom (A1) InsLtg (S1)"

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ShapeWiz "EL2 Res-Living (A2) InsLtg (S1)"

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ShapeWiz "EL2 Res-Bedroom (A1) InsLtg (S2)"

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ShapeWiz "EL2 Res-Living (A2) InsLtg (S2)"

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ShapeWiz "EL2 Res-Bedroom (A1) InsLtg (S3)"

..

ShapeWiz "EL2 Res-Living (A2) InsLtg (S3)"

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ShapeWiz "EL2 Res-Bedroom (A1) OE (S1)"

..

ShapeWiz "EL2 Res-Living (A2) OE (S1)"

..

ShapeWiz "EL2 Res-Bedroom (A1) OE (S2)"

..

ShapeWiz "EL2 Res-Living (A2) OE (S2)"

..

ShapeWiz "EL2 Res-Bedroom (A1) OE (S3)"

..

ShapeWiz "EL2 Res-Living (A2) OE (S3)"

..

ShapeWiz "EL2 Res-Bedroom (A1) Cook (S1)"

..  
ShapeWiz "EL2 Res-Living (A2) Cook (S1)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Cook (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) Cook (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Cook (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) Cook (S3)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Misc (S1)"  
..  
ShapeWiz "EL2 Res-Living (A2) Misc (S1)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Misc (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) Misc (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Misc (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) Misc (S3)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-1 (S1)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-1 (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-1 (S3)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-2 (S1)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-2 (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-2 (S3)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-3 (S1)"  
..

ShapeWiz "EL2 Res-Living (A2) DHW-3 (S1)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-3 (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) DHW-3 (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) DHW-3 (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) DHW-3 (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) DHW-4 (S1)"  
..  
ShapeWiz "EL2 Res-Living (A2) DHW-4 (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) DHW-4 (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) DHW-5 (S1)"  
..  
ShapeWiz "EL2 Res-Living (A2) DHW-5 (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) DHW-5 (S3)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Occup (S1)"  
..  
ShapeWiz "EL2 Res-Living (A2) Occup (S1)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Occup (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) Occup (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Occup (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) Occup (S3)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Mtr (S1)"  
..  
ShapeWiz "EL2 Res-Living (A2) Mtr (S1)"  
..

ShapeWiz "EL2 Res-Bedroom (A1) Mtr (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) Mtr (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Mtr (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) Mtr (S3)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Prc (S1)"  
..  
ShapeWiz "EL2 Res-Living (A2) Prc (S1)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Prc (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) Prc (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) Prc (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) Prc (S3)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) SCRfg (S1)"  
..  
ShapeWiz "EL2 Res-Living (A2) SCRfg (S1)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) SCRfg (S2)"  
..  
ShapeWiz "EL2 Res-Living (A2) SCRfg (S2)"  
..  
ShapeWiz "EL2 Res-Bedroom (A1) SCRfg (S3)"  
..  
ShapeWiz "EL2 Res-Living (A2) SCRfg (S3)"  
..  
AdjWall "Adjoining Wall 2"  
..  
AdjWall "Adjoining Wall 3"  
..  
RoofZone "Roof Zone 5"

NumVerts = 4  
X[1] = 2  
X[2] = 2  
X[3] = -30.6365  
X[4] = -30.6365  
Y[1] = -2  
Y[2] = 44.9548  
Y[3] = 44.9548  
Y[4] = -2  
Volume = 5333.73  
PeakHt = 7.60932  
PolyArea = 1532.44  
GableArea = 248.342  
EdgeNumVerts = 4  
EdgeX[1] = 2  
EdgeX[2] = 2  
EdgeX[3] = -30.6365  
EdgeX[4] = -30.6365  
EdgeY[1] = -2  
EdgeY[2] = 44.9548  
EdgeY[3] = 44.9548  
EdgeY[4] = -2  
..

RoofWall "Roof Wall 41"

RoofZoneVert = 0  
NumVerts = 4  
X[1] = 0  
X[2] = 46.9548  
X[3] = 46.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 18.0052  
Y[4] = 18.0052  
Tilt = 25  
Azimuth = 90  
XHorz[1] = 2  
XHorz[2] = 2  
XHorz[3] = -14.3182  
XHorz[4] = -14.3182  
YHorz[1] = -2  
YHorz[2] = 44.9548  
YHorz[3] = 44.9548  
YHorz[4] = -2  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
ZHorz[4] = 7.60932  
XGable = 2  
YGable = -2  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 42"

RoofZoneVert = 0

NumVerts = 4  
X[1] = 0  
X[2] = 42.9548  
X[3] = 42.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 90  
XHorz[1] = 0  
XHorz[2] = 0  
XHorz[3] = 2  
XHorz[4] = 2  
YHorz[1] = 0  
YHorz[2] = 42.9548  
YHorz[3] = 42.9548  
YHorz[4] = 0  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 43"

RoofZoneVert = 1  
NumVerts = 3  
X[1] = 0  
X[2] = 32.6365  
X[3] = 16.3182  
Y[1] = 0  
Y[2] = 0  
Y[3] = 7.60932  
Tilt = 90  
Azimuth = 0  
XHorz[1] = 2  
XHorz[2] = -30.6365  
XHorz[3] = -14.3182  
YHorz[1] = 44.9548  
YHorz[2] = 44.9548  
YHorz[3] = 44.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
XGable = 2  
YGable = 42.9548  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 44"

RoofZoneVert = 2  
NumVerts = 4  
X[1] = 0  
X[2] = 46.9548



X[3] = 46.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 18.0052  
Y[4] = 18.0052  
Tilt = 25  
Azimuth = -90  
XHorz[1] = -30.6365  
XHorz[2] = -30.6365  
XHorz[3] = -14.3182  
XHorz[4] = -14.3182  
YHorz[1] = 44.9548  
YHorz[2] = -2  
YHorz[3] = -2  
YHorz[4] = 44.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
ZHorz[4] = 7.60932  
XGable = -30.6365  
YGable = 44.9548  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 45"

RoofZoneVert = 2  
NumVerts = 4  
X[1] = 0  
X[2] = 42.9548  
X[3] = 42.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = -90  
XHorz[1] = -28.6365  
XHorz[2] = -28.6365  
XHorz[3] = -30.6365  
XHorz[4] = -30.6365  
YHorz[1] = 42.9548  
YHorz[2] = 0  
YHorz[3] = 0  
YHorz[4] = 42.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 46"

RoofZoneVert = 3  
NumVerts = 3

X[1] = 0  
X[2] = 32.6365  
X[3] = 16.3182  
Y[1] = 0  
Y[2] = 0  
Y[3] = 7.60932  
Tilt = 90  
Azimuth = 180  
XHorz[1] = -30.6365  
XHorz[2] = 2  
XHorz[3] = -14.3182  
YHorz[1] = -2  
YHorz[2] = -2  
YHorz[3] = -2  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
XGable = -30.6365  
YGable = 0  
SpacePolyIdx = -1  
..

AtticFlr "Attic Floor 5"

RoofZoneVert = 0  
NumVerts = 4  
X[1] = 0  
X[2] = -28.6365  
X[3] = -28.6365  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 42.9548  
Y[4] = 42.9548  
Tilt = 0  
Azimuth = 180  
SpacePolyIdx = -1  
..

ShellWiz "SFAM1 Garage2"

BldgType = "Residential, Single-Family"  
FlrsAboveGrade = 1  
FlrsBelowGrade = 0  
ShellPos\_Specify = 1  
BldgX = -14.3183  
BldgY = 56.9548  
BldgZ = 0  
Geom\_ShellID = "Garage 2 (2-story)"  
Geom\_NumStories = 2  
Footprint = "- custom -"  
UseAspectRatio = 0  
FlrToFlr = 8.5  
FlrToCeiling = 8.5  
ZoningPattern = "One Per Floor"  
NumMCZnGrps = 0  
DiagLink = "SFAM1 Garage2 Diag Data"  
RoofConsType = "Wood Advanced Frame, 24 in. o.c."

RoofBrdInsType = "- no ext board insulation -"  
 RoofSecInsType = "- no batt or rad barrier -"  
 RoofFinish = "Roofing, shingle"  
 VertExtConsType = "Wood Frame, 2x4, 16 in. o.c."  
 VertExtBrdInsType = "- no ext board insulation -"  
 VertExtSecInsType = "- no batt -"  
 VertExtIntInsType = "- no board insulation -"  
 VertExtFinish = "Stucco/Gunite"  
 AtticDesCoolTemp = 60  
 AtticDesHeatTemp = 52  
 AdjShellWaliCons = "Garage Int Wall"  
 InfilOption = "ACH by Activity Area"  
 PerimInfil = 0.35  
 CoreInfil = 0.35  
 InfilSchedOption = "Constant (100% of input)"  
 ZoningCurrent = 1  
 NumFloorVertices = 4  
 FloorVertX[1] = 0  
 FloorVertX[2] = 0  
 FloorVertX[3] = -14.3183  
 FloorVertX[4] = -14.3183  
 FloorVertY[1] = 0  
 FloorVertY[2] = 14  
 FloorVertY[3] = 14  
 FloorVertY[4] = 0  
 AdiabaticCurrent = 1  
 ZoneGroupsOK = 1  
 DfltZnGrpName = ( "EL3 Underground Areas", "EL3 Ground Floor",  
                   "EL3 Ground Floor", "EL3 Typical Floor(s)",  
                   "EL3 Typical Floor(s)", "EL3 Top Floor",  
                   "EL3 Top Floor" )  
 NumResUnits = 0.5  
 CustomFootprint = 1  
 CustomRoofZoning = -1  
 FloorArea = 200.456  
 FloorPerimLen = 56.6366  
 OverhangOption = "None"  
 GTCCategory[1] = "- select another -"  
 GTCCategory[2] = "- select another -"  
 GTCCategory[3] = "- select another -"  
 WinAreaSpecMethod = "Percent of Conditioned Floor Area"  
 PercentGlassI1[1] = 0  
 PercentGlassI2[1] = 0  
 PercentGlassI3[1] = 0  
 PercentGlassI4[1] = 0  
 DoorType = ( "Overhead", "- select another -", "- select another -" )  
 NumExtDoors1[1] = 0  
 NumExtDoors2[1] = 0  
 NumExtDoors3[1] = 1  
 NumExtDoors4[1] = 0  
 DoorWidth[1] = 12  
 OpaqueDoorType[2] = "- select another -"  
 OpaqueDoorType[3] = "- select another -"  
 DoorHeight[1] = 7.5  
 WindowFinOption = "None"  
 TypWindowWidth[1] = 2.23805

GP\_SpecMethod[1] = "NFRC Ufactor"  
GP\_SpecMethod[2] = "NFRC Ufactor"  
GP\_SolSpecMethod[1] = "NFRC SHGC"  
GP\_SolSpecMethod[2] = "NFRC SHGC"  
GP\_Ufactor[1] = 0.95  
GP\_Ufactor[2] = 0.95  
GP\_SHGC[1] = 0.87  
GP\_SHGC[2] = 0.87  
SkyZonesCurrent = 1  
SkyltZones[1] = 1  
SkyPosCurrent = 1  
DayZonesCurrent[3] = 1  
DayltZones[401] = 1  
WinDoorCurrent = 1  
DetailsCurrent = ( 1, 1, 1 )  
BDLNumDayltCtrls[401] = 0  
ActAreaType = ( "Residential (Garage)", "- select another -",  
"- select another -", "- select another -",  
"- select another -", "- select another -",  
"- select another -", "- select another -" )  
PercentArea[1] = 100  
OccupDensity[1] = 10000  
Infiltration[1] = 1.5  
ActAreaSeas1SchGrp[1] = "Residential (sngl fam) Garage (Winter)"  
ActAreaSeas2SchGrp[1] = "Residential (sngl fam) Garage (Spr-Sum)"  
ActAreaSeas3SchGrp[1] = "Residential (sngl fam) Garage (other)"  
AAOccShape[1] = "EL3 Res-Garage (A1) Occup (S1)"  
AAOccShape[11] = "EL3 Res-Garage (A1) Occup (S2)"  
AAOccShape[21] = "EL3 Res-Garage (A1) Occup (S3)"  
AAILShape[1] = "EL3 Res-Garage (A1) InsLtg (S1)"  
AAILShape[11] = "EL3 Res-Garage (A1) InsLtg (S2)"  
AAILShape[21] = "EL3 Res-Garage (A1) InsLtg (S3)"  
DaylitAreaCurrent[3] = 1  
CeilConsBDLUseUVal = 1  
RoofSpaceInfMeth = "Residential"  
RoofZoneErrorCode = 4  
SFamMeterWeight = 0.165  
SFamLtgPower = 0.0226566  
BDBaseUpdateFlag[3] = 0

..

ZnGrpWiz "EL3 Ground Floor"  
ShortName = "GndFir"  
AssignedDHWSys = "DHW SF1"

..

ShapeWiz "EL3 Res-Garage (A1) InsLtg (S1)"

..

ShapeWiz "EL3 Res-Garage (A1) InsLtg (S2)"

..

ShapeWiz "EL3 Res-Garage (A1) InsLtg (S3)"

..

ShapeWiz "EL3 Res-Garage (A1) Occup (S1)"

..

ShapeWiz "EL3 Res-Garage (A1) Occup (S2)"

..

ShapeWiz "EL3 Res-Garage (A1) Occup (S3)"

..

AdjWall "Adjoining Wall 4"

..

ShellWiz "SFAM1-2 Garage1"

BldgType = "Residential, Single-Family"

FlrsAboveGrade = 1

FlrsBelowGrade = 0

ShellPos\_Specify = 1

BldgX = 52.3183

BldgY = 204.91

BldgZ = 0

Geom\_ShellID = "Garage 1 (2-story) #2"

Geom\_NumStories = 2

Footprint = "- custom -"

Orientation = "East"

UseAspectRatio = 0

FlrToFlr = 8.5

FlrToCeiling = 8.5

ZoningPattern = "One Per Floor"

NumMCZnGrps = 0

DiagLink = "SFAM1-2 Garage1 Diag Data"

RoofConsType = "Wood Advanced Frame, 24 in. o.c."

RoofBrdInsType = "- no ext board insulation -"

RoofSecInsType = "- no batt or rad barrier -"

RoofFinish = "Roofing, shingle"

VertExtConsType = "Wood Frame, 2x4, 16 in. o.c."

VertExtBrdInsType = "- no ext board insulation -"

VertExtSecInsType = "- no batt -"

VertExtIntInsType = "- no board insulation -"

VertExtFinish = "Stucco/Gunite"

AtticDesCoolTemp = 60

AtticDesHeatTemp = 52

AdjShellWallCons = "Garage Int Wall"

InfilOption = "ACH by Activity Area"

PerimInfil = 0.35

CoreInfil = 0.35

InfilSchedOption = "Constant (100% of input)"

ZoningCurrent = 1

NumFloorVertices = 4

FloorVertX[1] = 0

FloorVertX[2] = 0

FloorVertX[3] = -14.3183

FloorVertX[4] = -14.3183

FloorVertY[1] = 0

FloorVertY[2] = 14

FloorVertY[3] = 14

FloorVertY[4] = 0

AdiabaticCurrent = 1

ZoneGroupsOK = 1  
 DfltZnGrpName = ( "EL4 Underground Areas", "EL4 Ground Floor",  
                   "EL4 Ground Floor", "EL4 Typical Floor(s)",  
                   "EL4 Typical Floor(s)", "EL4 Top Floor",  
                   "EL4 Top Floor" )  
 NumResUnits = 0.5  
 CustomFootprint = 1  
 CustomRoofZoning = -1  
 FloorArea = 200.456  
 FloorPerimLen = 56.6366  
 OverhangOption = "None"  
 GTCCategory[1] = "- select another -"  
 GTCCategory[2] = "- select another -"  
 GTCCategory[3] = "- select another -"  
 WinAreaSpecMethod = "Percent of Conditioned Floor Area"  
 PercentGlassI1[1] = 0  
 PercentGlassI2[1] = 0  
 PercentGlassI3[1] = 0  
 PercentGlassI4[1] = 0  
 DoorType = ( "Overhead", "- select another -", "- select another -" )  
 NumExtDoors1[1] = 0  
 NumExtDoors2[1] = 0  
 NumExtDoors3[1] = 0  
 NumExtDoors4[1] = 1  
 DoorWidth[1] = 12  
 OpaqueDoorType[2] = "- select another -"  
 OpaqueDoorType[3] = "- select another -"  
 DoorHeight[1] = 7.5  
 WindowFinOption = "None"  
 TypWindowWidth[1] = 2.23805  
 GP\_SpecMethod[1] = "NFRC Ufactor"  
 GP\_SpecMethod[2] = "NFRC Ufactor"  
 GP\_SolSpecMethod[1] = "NFRC SHGC"  
 GP\_SolSpecMethod[2] = "NFRC SHGC"  
 GP\_Ufactor[1] = 0.95  
 GP\_Ufactor[2] = 0.95  
 GP\_SHGC[1] = 0.87  
 GP\_SHGC[2] = 0.87  
 SkyZonesCurrent = 1  
 SkyltZones[1] = 1  
 SkyPosCurrent = 1  
 DayZonesCurrent[3] = 1  
 DayltZones[401] = 1  
 WinDoorCurrent = 1  
 DetailsCurrent = ( 1, 1, 1 )  
 BDLNumDayltCtrls[401] = 0  
 ActAreaType = ( "Residential (Garage)", "- select another -",  
                   "- select another -", "- select another -",  
                   "- select another -", "- select another -",  
                   "- select another -", "- select another -" )  
 PercentArea[1] = 100  
 OccupDensity[1] = 10000  
 Infiltration[1] = 1.5  
 ActAreaSeas1SchGrp[1] = "Residential (sngl fam) Garage (Winter)"  
 ActAreaSeas2SchGrp[1] = "Residential (sngl fam) Garage (Spr-Sum)"  
 ActAreaSeas3SchGrp[1] = "Residential (sngl fam) Garage (other)"

AAOccShape[1] = "EL4 Res-Garage (A1) Occup (S1)"  
AAOccShape[11] = "EL4 Res-Garage (A1) Occup (S2)"  
AAOccShape[21] = "EL4 Res-Garage (A1) Occup (S3)"  
AAILShape[1] = "EL4 Res-Garage (A1) InsLtg (S1)"  
AAILShape[11] = "EL4 Res-Garage (A1) InsLtg (S2)"  
AAILShape[21] = "EL4 Res-Garage (A1) InsLtg (S3)"  
DaylitAreaCurrent[3] = 1  
CeilConsBDLUseUVal = 1  
RoofSpaceInfMeth = "Residential"  
RoofZoneErrorCode = 4  
SFamMeterWeight = 0.165  
SFamLtgPower = 0.0226566  
BDBaseUpdateFlag[3] = 0

..

ZnGrpWiz "EL4 Ground Floor"  
ShortName = "GndFlr"  
AssignedDHWSys = "DHW SF1-2"

..

ShapeWiz "EL4 Res-Garage (A1) InsLtg (S1)"

..

ShapeWiz "EL4 Res-Garage (A1) InsLtg (S2)"

..

ShapeWiz "EL4 Res-Garage (A1) InsLtg (S3)"

..

ShapeWiz "EL4 Res-Garage (A1) Occup (S1)"

..

ShapeWiz "EL4 Res-Garage (A1) Occup (S2)"

..

ShapeWiz "EL4 Res-Garage (A1) Occup (S3)"

..

AdjWall "Adjoining Wall 5"

..

ShellWiz "SFAM1-2 Dwelling"  
BldgType = "Residential, Single-Family"  
FlrsAboveGrade = 2  
FlrsBelowGrade = 0  
ShellPos\_Specify = 1  
BldgX = 66.3183  
BldgY = 204.91  
BldgZ = 0  
Geom\_ShellID = "Two Story Dwelling #2"  
Geom\_NumStories = 2  
Footprint = "- custom -"  
Orientation = "East"  
UseAspectRatio = 0  
FlrToFlr = 8.5  
FlrToCeiling = 8.5

ZoningPattern = "One Per Floor"  
NumMCZnGrps = 0  
DiagLink = "SFAM1-2 Dwelling Diag Data"  
RoofConsType = "Wood Advanced Frame, 24 in. o.c."  
RoofFinish = "Roofing, shingle"  
VertExtConsType = "Wood Frame, 2x4, 16 in. o.c."  
VertExtBrdInsType = "- no ext board insulation -"  
VertExtSecInsType = "- no batt -"  
VertExtIntInsType = "- no board insulation -"  
VertExtFinish = "Stucco/Gunite"  
EWallOverallRVal = 9.92  
AtticFrameType = "Wood, Standard Framing"  
AtticInsType = "- no batt -"  
AtticDesCoolTemp = 60  
AtticDesHeatTemp = 52  
AFirOverallRVal = 16.38  
GrndFirExposure = "Over Crawl Space"  
ModelCrawlSpaces = 1  
CrawlSpaceCons = ( "Floor abv Crawl Space", "Crawl Space Floor",  
"Crawl Space Wall" )  
InfilOption = "ACH by Activity Area"  
PerimInfil = 0.35  
CoreInfil = 0.35  
InfilSchedOption = "Constant (100% of input)"  
ZoningCurrent = 1  
NumFloorVertices = 4  
FloorVertX[1] = 0  
FloorVertX[2] = 0  
FloorVertX[3] = -28.6365  
FloorVertX[4] = -28.6365  
FloorVertY[1] = 0  
FloorVertY[2] = 42.9548  
FloorVertY[3] = 42.9548  
FloorVertY[4] = 0  
AdiabaticCurrent = 1  
ZoneGroupsOK = 1  
DfltZnGrpName = ( "EL5 Underground Areas", "EL5 Ground Floor",  
"EL5 Ground Floor", "EL5 Typical Floor(s)",  
"EL5 Typical Floor(s)", "EL5 Top Floor",  
"EL5 Top Floor" )  
NumResUnits = 1  
CustomFootprint = 1  
CustomRoofZoning = -1  
FloorArea = 1230.08  
FloorPerimLen = 143.183  
OverhangOption = "None"  
GTCCategory[1] = "- specify properties -"  
GTCCategory[2] = "- select another -"  
GTCCategory[3] = "- select another -"  
WindowHeight[1] = 4  
WinSillHeight[1] = 3.5  
WinFrameWidth[1] = 0  
WinAreaSpecMethod = "Percent of Conditioned Floor Area"  
PercentGlass1[1] = 19.4074  
PercentGlass2[1] = 19.4074  
PercentGlass3[1] = 5



PercentGlassI4[1] = 5  
 DoorType = ( "Opaque", "- select another -", "- select another -" )  
 NumExtDoors1[1] = 0  
 NumExtDoors2[1] = 0  
 NumExtDoors3[1] = 0  
 NumExtDoors4[1] = 0  
 DoorWidth[1] = 3  
 OpaqueDoorType[2] = "- select another -"  
 OpaqueDoorType[3] = "- select another -"  
 DoorHeight[1] = 6.7  
 WindowFinOption = "None"  
 TypWindowWidth[1] = 2.23805  
 WinWdPrecedence[1] = 1  
 GP\_SpecMethod[1] = "NFRC Ufactor"  
 GP\_SpecMethod[2] = "NFRC Ufactor"  
 GP\_SolSpecMethod[1] = "NFRC SHGC"  
 GP\_SolSpecMethod[2] = "NFRC SHGC"  
 GP\_Ufactor[1] = 0.95  
 GP\_Ufactor[2] = 0.95  
 GP\_SHGC[1] = 0.87  
 GP\_SHGC[2] = 0.87  
 BDLWinShadeSch[1] = "DEER Res ShadeSch"  
 BDLWinShadeType[1] = "Fixed Interior"  
 SkyZonesCurrent = 1  
 SkyltZones[1] = 1  
 SkyPosCurrent = 1  
 DayZonesCurrent[1] = 1  
 DayZonesCurrent[3] = 1  
 DayItZones[1] = 1  
 DayItZones[401] = 1  
 WinDoorCurrent = 1  
 DetailsCurrent = ( 1, 1, 1 )  
 BDLNumDayltCtrls[1] = 0  
 BDLNumDayltCtrls[401] = 0  
 ActAreaType = ( "Residential (Bedroom)",  
                   "Residential (General Living Space)",  
                   "- select another -", "- select another -",  
                   "- select another -", "- select another -",  
                   "- select another -", "- select another -" )  
 PercentArea[1] = 50  
 PercentArea[2] = 50  
 OccupDensity[1] = 332.453  
 OccupDensity[2] = 332.453  
 Infiltration[1] = 0.35  
 Infiltration[2] = 0.35  
 PrimFirstFloor[2] = 1  
 PrimTopFloor[1] = 1  
 ActAreaSeas1SchGrp[1] = "Residential (sngl fam) Bedrms (Winter)"  
 ActAreaSeas1SchGrp[2] = "Residential (sngl fam) Living (Winter)"  
 ActAreaSeas2SchGrp[1] = "Residential (sngl fam) Bedrms (Spr-Sum)"  
 ActAreaSeas2SchGrp[2] = "Residential (sngl fam) Living (Spr-Sum)"  
 ActAreaSeas3SchGrp[1] = "Residential (sngl fam) Bedrms (other)"  
 ActAreaSeas3SchGrp[2] = "Residential (sngl fam) Living (other)"  
 AAOccShape[1] = "EL5 Res-Bedroom (A1) Occup (S1)"  
 AAOccShape[2] = "EL5 Res-Living (A2) Occup (S1)"  
 AAOccShape[11] = "EL5 Res-Bedroom (A1) Occup (S2)"

AAOccShape[12] = "EL5 Res-Living (A2) Occup (S2)"  
 AAOccShape[21] = "EL5 Res-Bedroom (A1) Occup (S3)"  
 AAOccShape[22] = "EL5 Res-Living (A2) Occup (S3)"  
 AAILShape[1] = "EL5 Res-Bedroom (A1) InsLtg (S1)"  
 AAILShape[2] = "EL5 Res-Living (A2) InsLtg (S1)"  
 AAILShape[11] = "EL5 Res-Bedroom (A1) InsLtg (S2)"  
 AAILShape[12] = "EL5 Res-Living (A2) InsLtg (S2)"  
 AAILShape[21] = "EL5 Res-Bedroom (A1) InsLtg (S3)"  
 AAILShape[22] = "EL5 Res-Living (A2) InsLtg (S3)"  
 AAOEShape[1] = "EL5 Res-Bedroom (A1) OE (S1)"  
 AAOEShape[2] = "EL5 Res-Living (A2) OE (S1)"  
 AAOEShape[11] = "EL5 Res-Bedroom (A1) OE (S2)"  
 AAOEShape[12] = "EL5 Res-Living (A2) OE (S2)"  
 AAOEShape[21] = "EL5 Res-Bedroom (A1) OE (S3)"  
 AAOEShape[22] = "EL5 Res-Living (A2) OE (S3)"  
 AACEShape[1] = "EL5 Res-Bedroom (A1) Cook (S1)"  
 AACEShape[2] = "EL5 Res-Living (A2) Cook (S1)"  
 AACEShape[11] = "EL5 Res-Bedroom (A1) Cook (S2)"  
 AACEShape[12] = "EL5 Res-Living (A2) Cook (S2)"  
 AACEShape[21] = "EL5 Res-Bedroom (A1) Cook (S3)"  
 AACEShape[22] = "EL5 Res-Living (A2) Cook (S3)"  
 AAMiscShape[1] = "EL5 Res-Bedroom (A1) Misc (S1)"  
 AAMiscShape[2] = "EL5 Res-Living (A2) Misc (S1)"  
 AAMiscShape[11] = "EL5 Res-Bedroom (A1) Misc (S2)"  
 AAMiscShape[12] = "EL5 Res-Living (A2) Misc (S2)"  
 AAMiscShape[21] = "EL5 Res-Bedroom (A1) Misc (S3)"  
 AAMiscShape[22] = "EL5 Res-Living (A2) Misc (S3)"  
 AADHW1Shape[1] = "EL5 Res-Bedroom (A1) DHW-1 (S1)"  
 AADHW1Shape[11] = "EL5 Res-Bedroom (A1) DHW-1 (S2)"  
 AADHW1Shape[21] = "EL5 Res-Bedroom (A1) DHW-1 (S3)"  
 AADHW2Shape[1] = "EL5 Res-Bedroom (A1) DHW-2 (S1)"  
 AADHW2Shape[11] = "EL5 Res-Bedroom (A1) DHW-2 (S2)"  
 AADHW2Shape[21] = "EL5 Res-Bedroom (A1) DHW-2 (S3)"  
 AADHW3Shape[1] = "EL5 Res-Bedroom (A1) DHW-3 (S1)"  
 AADHW3Shape[2] = "EL5 Res-Living (A2) DHW-3 (S1)"  
 AADHW3Shape[11] = "EL5 Res-Bedroom (A1) DHW-3 (S2)"  
 AADHW3Shape[12] = "EL5 Res-Living (A2) DHW-3 (S2)"  
 AADHW3Shape[21] = "EL5 Res-Bedroom (A1) DHW-3 (S3)"  
 AADHW3Shape[22] = "EL5 Res-Living (A2) DHW-3 (S3)"  
 AADHW4Shape[2] = "EL5 Res-Living (A2) DHW-4 (S1)"  
 AADHW4Shape[12] = "EL5 Res-Living (A2) DHW-4 (S2)"  
 AADHW4Shape[22] = "EL5 Res-Living (A2) DHW-4 (S3)"  
 AADHW5Shape[2] = "EL5 Res-Living (A2) DHW-5 (S1)"  
 AADHW5Shape[12] = "EL5 Res-Living (A2) DHW-5 (S2)"  
 AADHW5Shape[22] = "EL5 Res-Living (A2) DHW-5 (S3)"  
 AAMtrShape[1] = "EL5 Res-Bedroom (A1) Mtr (S1)"  
 AAMtrShape[2] = "EL5 Res-Living (A2) Mtr (S1)"  
 AAMtrShape[11] = "EL5 Res-Bedroom (A1) Mtr (S2)"  
 AAMtrShape[12] = "EL5 Res-Living (A2) Mtr (S2)"  
 AAMtrShape[21] = "EL5 Res-Bedroom (A1) Mtr (S3)"  
 AAMtrShape[22] = "EL5 Res-Living (A2) Mtr (S3)"  
 AAPrcShape[1] = "EL5 Res-Bedroom (A1) Prc (S1)"  
 AAPrcShape[2] = "EL5 Res-Living (A2) Prc (S1)"  
 AAPrcShape[11] = "EL5 Res-Bedroom (A1) Prc (S2)"  
 AAPrcShape[12] = "EL5 Res-Living (A2) Prc (S2)"  
 AAPrcShape[21] = "EL5 Res-Bedroom (A1) Prc (S3)"

AAPrcShape[22] = "EL5 Res-Living (A2) Prc (S3)"  
AASCRShape[1] = "EL5 Res-Bedroom (A1) SCRfg (S1)"  
AASCRShape[2] = "EL5 Res-Living (A2) SCRfg (S1)"  
AASCRShape[11] = "EL5 Res-Bedroom (A1) SCRfg (S2)"  
AASCRShape[12] = "EL5 Res-Living (A2) SCRfg (S2)"  
AASCRShape[21] = "EL5 Res-Bedroom (A1) SCRfg (S3)"  
AASCRShape[22] = "EL5 Res-Living (A2) SCRfg (S3)"  
GroundExtFacets[1] = "SFAM1-2 Facet 1"  
GroundExtFacets[2] = "SFAM1-2 Facet 2"  
TopAboveExtFacets[1] = "SFAM1-2 Facet 3"  
TopAboveExtFacets[2] = "SFAM1-2 Facet 4"  
DaylitAreaCurrent[1] = 1  
DaylitAreaCurrent[3] = 1  
CeilConsBDLUseUVal = 1  
HasPitchedRoof = 1  
RoofOverhang = 2  
GableOverhang = 2  
RoofSpaceInflMeth = "Residential"  
RoofEndIsGable[2] = 1  
RoofEndIsGable[4] = 1  
SFamMeterWeight = 0.165  
SFamLtgPower = 1.09478  
BldgShadesCurrent = 1  
BldgShadeHeight = 10  
BldgShadeDist = 2.5  
BldgShadeTrans = ( 0.9, 0.83, 0.7, 0.6, 0.5, 0.38, 0.3, 0.38, 0.5,  
0.6, 0.7, 0.83 )  
BDBaseUpdateFlag[3] = 0

..

ShadeWiz "SFAM1-2 Shade - Front"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 1  
BDL\_X = 49.8183  
BDL\_Y = 202.41  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 75.9548  
BDL\_Azimuth = 180  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

ShadeWiz "SFAM1-2 Shade - Right"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 2  
BDL\_X = 125.773  
BDL\_Y = 202.41  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 33.6365  
BDL\_Azimuth = 90  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

ShadeWiz "SFAM1-2 Shade - Back"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 3  
BDL\_X = 125.773  
BDL\_Y = 236.046  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 75.9548  
BDL\_Azimuth = 0  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

ShadeWiz "SFAM1-2 Shade - Left"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 4  
BDL\_X = 49.8183  
BDL\_Y = 236.046  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 33.6365  
BDL\_Azimuth = 270  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

FacetWiz "SFAM1-2 Facet 1"  
ParentZoneIdx = 0  
SegmentNumber = 1

..

WinWiz "SFAM1-2 Window 1"  
X = 3  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

DoorWiz "SFAM1-2 Door 1"  
X = 8  
Y = 0  
Width = 3  
Height = 6.7  
FrameWidth = 0  
DoorTypeIdx = 0

..

FacetWiz "SFAM1-2 Facet 2"  
ParentZoneIdx = 0  
SegmentNumber = 3

..

WinWiz "SFAM1-2 Window 2"

X = 3  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

DoorWiz "SFAM1-2 Door 2"

X = 8  
Y = 0  
Width = 3  
Height = 6.7  
FrameWidth = 0  
DoorTypeldx = 0

..

FacetWiz "SFAM1-2 Facet 3"

ParentZoneldx = 0  
SegmentNumber = 1

..

WinWiz "SFAM1-2 Window 3"

X = 3  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

FacetWiz "SFAM1-2 Facet 4"

ParentZoneldx = 0  
SegmentNumber = 3

..

WinWiz "SFAM1-2 Window 4"

X = 3  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

ZnGrpWiz "EL5 Ground Floor"

ShortName = "GndFlr"  
AssignedDHWSys = "DHW SF1-2"

..

ZnGrpWiz "EL5 Top Floor"

ShortName = "TopFlr"  
AssignedDHWSys = "DHW SF1-2"

..  
ShapeWiz "EL5 Res-Bedroom (A1) InsLtg (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) InsLtg (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) InsLtg (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) InsLtg (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) InsLtg (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) InsLtg (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) OE (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) OE (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) OE (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) OE (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) OE (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) OE (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Cook (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) Cook (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Cook (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) Cook (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Cook (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) Cook (S3)"  
..

ShapeWiz "EL5 Res-Bedroom (A1) Misc (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) Misc (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Misc (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) Misc (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Misc (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) Misc (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-1 (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-1 (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-1 (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-2 (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-2 (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-2 (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-3 (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) DHW-3 (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-3 (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) DHW-3 (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) DHW-3 (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) DHW-3 (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) DHW-4 (S1)"  
..

ShapeWiz "EL5 Res-Living (A2) DHW-4 (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) DHW-4 (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) DHW-5 (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) DHW-5 (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) DHW-5 (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Occup (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) Occup (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Occup (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) Occup (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Occup (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) Occup (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Mtr (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) Mtr (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Mtr (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) Mtr (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Mtr (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) Mtr (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Prc (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) Prc (S1)"



..  
ShapeWiz "EL5 Res-Bedroom (A1) Prc (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) Prc (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) Prc (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) Prc (S3)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) SCRfg (S1)"  
..  
ShapeWiz "EL5 Res-Living (A2) SCRfg (S1)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) SCRfg (S2)"  
..  
ShapeWiz "EL5 Res-Living (A2) SCRfg (S2)"  
..  
ShapeWiz "EL5 Res-Bedroom (A1) SCRfg (S3)"  
..  
ShapeWiz "EL5 Res-Living (A2) SCRfg (S3)"  
..  
AdjWall "Adjoining Wall 6"  
..  
AdjWall "Adjoining Wall 7"  
..  
RoofZone "Roof Zone 6"  
NumVerts = 4  
X[1] = 2  
X[2] = 2  
X[3] = -30.6365  
X[4] = -30.6365  
Y[1] = -2  
Y[2] = 44.9548  
Y[3] = 44.9548  
Y[4] = -2  
Volume = 5333.73  
PeakHt = 7.60932  
PolyArea = 1532.44  
GableArea = 248.342  
EdgeNumVerts = 4  
EdgeX[1] = 2  
EdgeX[2] = 2  
EdgeX[3] = -30.6365

EdgeX[4] = -30.6365  
EdgeY[1] = -2  
EdgeY[2] = 44.9548  
EdgeY[3] = 44.9548  
EdgeY[4] = -2

..

RoofWall "Roof Wall 47"

RoofZoneVert = 0  
NumVerts = 4  
X[1] = 0  
X[2] = 46.9548  
X[3] = 46.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 18.0052  
Y[4] = 18.0052  
Tilt = 25  
Azimuth = 90  
XHorz[1] = 2  
XHorz[2] = 2  
XHorz[3] = -14.3182  
XHorz[4] = -14.3182  
YHorz[1] = -2  
YHorz[2] = 44.9548  
YHorz[3] = 44.9548  
YHorz[4] = -2  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
ZHorz[4] = 7.60932  
XGable = 2  
YGable = -2  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 48"

RoofZoneVert = 0  
NumVerts = 4  
X[1] = 0  
X[2] = 42.9548  
X[3] = 42.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 90  
XHorz[1] = 0  
XHorz[2] = 0  
XHorz[3] = 2  
XHorz[4] = 2  
YHorz[1] = 0  
YHorz[2] = 42.9548

YHorz[3] = 42.9548  
YHorz[4] = 0  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 49"

RoofZoneVert = 1  
NumVerts = 3  
X[1] = 0  
X[2] = 32.6365  
X[3] = 16.3182  
Y[1] = 0  
Y[2] = 0  
Y[3] = 7.60932  
Tilt = 90  
Azimuth = 0  
XHorz[1] = 2  
XHorz[2] = -30.6365  
XHorz[3] = -14.3182  
YHorz[1] = 44.9548  
YHorz[2] = 44.9548  
YHorz[3] = 44.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
XGable = 2  
YGable = 42.9548  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 50"

RoofZoneVert = 2  
NumVerts = 4  
X[1] = 0  
X[2] = 46.9548  
X[3] = 46.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 18.0052  
Y[4] = 18.0052  
Tilt = 25  
Azimuth = -90  
XHorz[1] = -30.6365  
XHorz[2] = -30.6365  
XHorz[3] = -14.3182  
XHorz[4] = -14.3182  
YHorz[1] = 44.9548  
YHorz[2] = -2  
YHorz[3] = -2  
YHorz[4] = 44.9548  
ZHorz[1] = 0

ZHorz[2] = 0  
ZHorz[3] = 7.60932  
ZHorz[4] = 7.60932  
XGable = -30.6365  
YGable = 44.9548  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 51"

RoofZoneVert = 2  
NumVerts = 4  
X[1] = 0  
X[2] = 42.9548  
X[3] = 42.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = -90  
XHorz[1] = -28.6365  
XHorz[2] = -28.6365  
XHorz[3] = -30.6365  
XHorz[4] = -30.6365  
YHorz[1] = 42.9548  
YHorz[2] = 0  
YHorz[3] = 0  
YHorz[4] = 42.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 52"

RoofZoneVert = 3  
NumVerts = 3  
X[1] = 0  
X[2] = 32.6365  
X[3] = 16.3182  
Y[1] = 0  
Y[2] = 0  
Y[3] = 7.60932  
Tilt = 90  
Azimuth = 180  
XHorz[1] = -30.6365  
XHorz[2] = 2  
XHorz[3] = -14.3182  
YHorz[1] = -2  
YHorz[2] = -2  
YHorz[3] = -2  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932

XGable = -30.6365  
YGable = 0  
SpacePolyIdx = -1

..

AtticFlr "Attic Floor 6"

RoofZoneVert = 0  
NumVerts = 4  
X[1] = 0  
X[2] = -28.6365  
X[3] = -28.6365  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 42.9548  
Y[4] = 42.9548  
Tilt = 0  
Azimuth = 180  
SpacePolyIdx = -1

..

ShellWiz "SFAM1-2 Garage2"

BldgType = "Residential, Single-Family"  
FlrsAboveGrade = 1  
FlrsBelowGrade = 0  
ShellPos\_Specify = 1  
BldgX = 109.273  
BldgY = 219.228  
BldgZ = 0  
Geom\_ShellID = "Garage 2 (2-story) #2"  
Geom\_NumStories = 2  
Footprint = "- custom -"  
Orientation = "East"  
UseAspectRatio = 0  
FlrToFlr = 8.5  
FlrToCeiling = 8.5  
ZoningPattern = "One Per Floor"  
NumMCZnGrps = 0  
DiagLink = "SFAM1-2 Garage2 Diag Data"  
RoofConsType = "Wood Advanced Frame, 24 in. o.c."  
RoofBrdInsType = "- no ext board insulation -"  
RoofSecInsType = "- no batt or rad barrier -"  
RoofFinish = "Roofing, shingle"  
VertExtConsType = "Wood Frame, 2x4, 16 in. o.c."  
VertExtBrdInsType = "- no ext board insulation -"  
VertExtSecInsType = "- no batt -"  
VertExtIntInsType = "- no board insulation -"  
VertExtFinish = "Stucco/Gunite"  
AtticDesCoolTemp = 60  
AtticDesHeatTemp = 52  
AdjShellWallCons = "Garage Int Wall"  
InfilOption = "ACH by Activity Area"  
PerimInfil = 0.35  
CoreInfil = 0.35  
InfilSchedOption = "Constant (100% of input)"  
ZoningCurrent = 1

NumFloorVertices = 4  
FloorVertX[1] = 0  
FloorVertX[2] = 0  
FloorVertX[3] = -14.3183  
FloorVertX[4] = -14.3183  
FloorVertY[1] = 0  
FloorVertY[2] = 14  
FloorVertY[3] = 14  
FloorVertY[4] = 0  
AdiabaticCurrent = 1  
ZoneGroupsOK = 1  
DfltZnGrpName = ( "EL6 Underground Areas", "EL6 Ground Floor",  
"EL6 Ground Floor", "EL6 Typical Floor(s)",  
"EL6 Typical Floor(s)", "EL6 Top Floor",  
"EL6 Top Floor" )  
NumResUnits = 0.5  
CustomFootprint = 1  
CustomRoofZoning = -1  
FloorArea = 200.456  
FloorPerimLen = 56.6366  
OverhangOption = "None"  
GTCCategory[1] = "- select another -"  
GTCCategory[2] = "- select another -"  
GTCCategory[3] = "- select another -"  
WinAreaSpecMethod = "Percent of Conditioned Floor Area"  
PercentGlassI1[1] = 0  
PercentGlassI2[1] = 0  
PercentGlassI3[1] = 0  
PercentGlassI4[1] = 0  
DoorType = ( "Overhead", "- select another -", "- select another -" )  
NumExtDoors1[1] = 0  
NumExtDoors2[1] = 0  
NumExtDoors3[1] = 1  
NumExtDoors4[1] = 0  
DoorWidth[1] = 12  
OpaqueDoorType[2] = "- select another -"  
OpaqueDoorType[3] = "- select another -"  
DoorHeight[1] = 7.5  
WindowFinOption = "None"  
TypWindowWidth[1] = 2.23805  
GP\_SpecMethod[1] = "NFRC Ufactor"  
GP\_SpecMethod[2] = "NFRC Ufactor"  
GP\_SolSpecMethod[1] = "NFRC SHGC"  
GP\_SolSpecMethod[2] = "NFRC SHGC"  
GP\_Ufactor[1] = 0.95  
GP\_Ufactor[2] = 0.95  
GP\_SHGC[1] = 0.87  
GP\_SHGC[2] = 0.87  
SkyZonesCurrent = 1  
SkyltZones[1] = 1  
SkyPosCurrent = 1  
DayZonesCurrent[3] = 1  
DaylitZones[401] = 1  
WinDoorCurrent = 1  
DetailsCurrent = ( 1, 1, 1 )  
BDLNumDaylitCtrls[401] = 0

ActAreaType = ( "Residential (Garage)", "- select another -",  
"- select another -", "- select another -",  
"- select another -", "- select another -",  
"- select another -", "- select another -" )  
PercentArea[1] = 100  
OccupDensity[1] = 10000  
Infiltration[1] = 1.5  
ActAreaSeas1SchGrp[1] = "Residential (sngl fam) Garage (Winter)"  
ActAreaSeas2SchGrp[1] = "Residential (sngl fam) Garage (Spr-Sum)"  
ActAreaSeas3SchGrp[1] = "Residential (sngl fam) Garage (other)"  
AAOccShape[1] = "EL6 Res-Garage (A1) Occup (S1)"  
AAOccShape[11] = "EL6 Res-Garage (A1) Occup (S2)"  
AAOccShape[21] = "EL6 Res-Garage (A1) Occup (S3)"  
AAILShape[1] = "EL6 Res-Garage (A1) InsLtg (S1)"  
AAILShape[11] = "EL6 Res-Garage (A1) InsLtg (S2)"  
AAILShape[21] = "EL6 Res-Garage (A1) InsLtg (S3)"  
DaylitAreaCurrent[3] = 1  
CeilConsBDLUseUVal = 1  
RoofSpaceInfMeth = "Residential"  
RoofZoneErrorCode = 4  
SFamMeterWeight = 0.165  
SFamLtgPower = 0.0226566  
BDBaseUpdateFlag[3] = 0

..

ZnGrpWiz "EL6 Ground Floor"  
ShortName = "GndFlr"  
AssignedDHWSys = "DHW SF1-2"

..

ShapeWiz "EL6 Res-Garage (A1) InsLtg (S1)"

..

ShapeWiz "EL6 Res-Garage (A1) InsLtg (S2)"

..

ShapeWiz "EL6 Res-Garage (A1) InsLtg (S3)"

..

ShapeWiz "EL6 Res-Garage (A1) Occup (S1)"

..

ShapeWiz "EL6 Res-Garage (A1) Occup (S2)"

..

ShapeWiz "EL6 Res-Garage (A1) Occup (S3)"

..

AdjWall "Adjoining Wall 8"

..

ShellWiz "SFAM2"  
BldgType = "Residential, Single-Family"  
FirsAboveGrade = 1  
FirsBelowGrade = 0  
ShellPos\_Specify = 1

BldgX = 0  
BldgY = 94.9548  
BldgZ = 0  
Geom\_ShellID = "Single Story"  
Geom\_NumStories = 1  
Footprint = "- custom -"  
UseAspectRatio = 0  
FlrToFlr = 8.5  
FlrToCeiling = 8.5  
ZoningPattern = "- custom -"  
DiagLink = "SFAM2 Diag Data"  
RoofConsType = "Wood Advanced Frame, 24 in. o.c."  
RoofFinish = "Roofing, shingle"  
VertExtConsType = "Wood Frame, 2x4, 16 in. o.c."  
VertExtBrdInsType = "- no ext board insulation -"  
VertExtSecInsType = "- no batt -"  
VertExtIntInsType = "- no board insulation -"  
VertExtFinish = "Stucco/Gunite"  
EWallOverallRVal = 9.92  
AtticFrameType = "Wood, Standard Framing"  
AtticInsType = "- no batt -"  
AtticDesCoolTemp = 60  
AtticDesHeatTemp = 52  
AFIrOverallRVal = 16.38  
InfilOption = "ACH by Activity Area"  
PerimInfil = 0.35  
CoreInfil = 0.35  
InfilSchedOption = "Constant (100% of input)"  
ZoningCurrent = 1  
NumFloorVertices = 12  
FloorVertX[1] = 0  
FloorVertX[2] = 0  
FloorVertX[3] = 0  
FloorVertX[4] = 0  
FloorVertX[5] = -14.3183  
FloorVertX[6] = -14.3183  
FloorVertX[7] = -28.6365  
FloorVertX[8] = -28.6365  
FloorVertX[9] = -28.6365  
FloorVertX[10] = -28.6365  
FloorVertX[11] = -14.3183  
FloorVertX[12] = -14.3183  
FloorVertY[1] = 0  
FloorVertY[2] = 14  
FloorVertY[3] = 35.4774  
FloorVertY[4] = 56.9548  
FloorVertY[5] = 56.9548  
FloorVertY[6] = 70.9548  
FloorVertY[7] = 70.9548  
FloorVertY[8] = 56.9548  
FloorVertY[9] = 35.4774  
FloorVertY[10] = 14  
FloorVertY[11] = 14  
FloorVertY[12] = 0  
AdiabaticCurrent = 1  
GroundZnGrp[1] = "SFAM2 General Living"



GroundZnGrp[2] = "SFAM2 Bedroom"  
GroundZnGrp[3] = "SFAM2 Garage"  
GroundZnGrp[4] = "SFAM2 Garage"  
ZoneGroupsOK = 1  
NumResUnits = 1  
CustomFootprint = 1  
CustomZoning = 1  
CustomRoofZoning = -1  
FloorArea = 1630.99  
FloorPerimLen = 199.183  
OverhangOption = "None"  
GTCCategory[1] = "- specify properties -"  
GTCCategory[2] = "- select another -"  
GTCCategory[3] = "- select another -"  
WindowHeight[1] = 4  
WinSillHeight[1] = 3.5  
WinFrameWidth[1] = 0  
WinAreaSpecMethod = "Percent of Conditioned Floor Area"  
PercentGlass1[1] = 0  
PercentGlass2[1] = 0  
PercentGlass3[1] = 0  
PercentGlass4[1] = 0  
DoorType = ( "Opaque", "Overhead", "- select another -" )  
NumExtDoors1[1] = 0  
NumExtDoors1[2] = 0  
NumExtDoors2[1] = 0  
NumExtDoors2[2] = 0  
NumExtDoors3[1] = 0  
NumExtDoors3[2] = 0  
NumExtDoors4[1] = 0  
NumExtDoors4[2] = 0  
DoorWidth[1] = 3  
DoorWidth[2] = 12  
OpaqueDoorType[3] = "- select another -"  
DoorHeight[1] = 6.7  
DoorHeight[2] = 7.5  
WindowFinOption = "None"  
TypWindowWidth[1] = 2.23805  
WinWdPrecedence[1] = 1  
GP\_SpecMethod[1] = "NFRC Ufactor"  
GP\_SpecMethod[2] = "NFRC Ufactor"  
GP\_SolSpecMethod[1] = "NFRC SHGC"  
GP\_SolSpecMethod[2] = "NFRC SHGC"  
GP\_Ufactor[1] = 0.95  
GP\_Ufactor[2] = 0.95  
GP\_SHGC[1] = 0.87  
GP\_SHGC[2] = 0.87  
BDLWinShadeSch[1] = "DEER Res ShadeSch"  
BDLWinShadeType[1] = "Fixed Interior"  
SkyZonesCurrent = 1  
SkyltZones[1] = 1  
SkyltZones[2] = 1  
SkyltZones[3] = 1  
SkyltZones[4] = 1  
SkyPosCurrent = 1  
DayZonesCurrent[3] = 1

DayltZones[401] = 1  
 DayltZones[402] = 1  
 DayltZones[403] = 1  
 DayltZones[404] = 1  
 WinDoorCurrent = 1  
 DetailsCurrent = ( 1, 1, 1 )  
 BDLNumDayltCtrls[401] = 0  
 BDLNumDayltCtrls[402] = 0  
 BDLNumDayltCtrls[403] = 0  
 BDLNumDayltCtrls[404] = 0  
 ActAreaType = ( "Residential (Bedroom)",  
                   "Residential (General Living Space)",  
                   "Residential (Garage)", "- select another -",  
                   "- select another -", "- select another -",  
                   "- select another -", "- select another -" )  
 PercentArea[1] = 35  
 PercentArea[2] = 35  
 PercentArea[3] = 30  
 OccupDensity[1] = 279.563  
 OccupDensity[2] = 279.563  
 OccupDensity[3] = 10000  
 Infiltration[1] = 0.35  
 Infiltration[2] = 0.35  
 Infiltration[3] = 1.5  
 ActAreaSeas1SchGrp[1] = "Residential (sngl fam) Bedrms (Winter)"  
 ActAreaSeas1SchGrp[2] = "Residential (sngl fam) Living (Winter)"  
 ActAreaSeas1SchGrp[3] = "Residential (sngl fam) Garage (Winter)"  
 ActAreaSeas2SchGrp[1] = "Residential (sngl fam) Bedrms (Spr-Sum)"  
 ActAreaSeas2SchGrp[2] = "Residential (sngl fam) Living (Spr-Sum)"  
 ActAreaSeas2SchGrp[3] = "Residential (sngl fam) Garage (Spr-Sum)"  
 ActAreaSeas3SchGrp[1] = "Residential (sngl fam) Bedrms (other)"  
 ActAreaSeas3SchGrp[2] = "Residential (sngl fam) Living (other)"  
 ActAreaSeas3SchGrp[3] = "Residential (sngl fam) Garage (other)"  
 AAOccShape[1] = "EL7 Res-Bedroom (A1) Occup (S1)"  
 AAOccShape[2] = "EL7 Res-Living (A2) Occup (S1)"  
 AAOccShape[3] = "EL7 Res-Garage (A3) Occup (S1)"  
 AAOccShape[11] = "EL7 Res-Bedroom (A1) Occup (S2)"  
 AAOccShape[12] = "EL7 Res-Living (A2) Occup (S2)"  
 AAOccShape[13] = "EL7 Res-Garage (A3) Occup (S2)"  
 AAOccShape[21] = "EL7 Res-Bedroom (A1) Occup (S3)"  
 AAOccShape[22] = "EL7 Res-Living (A2) Occup (S3)"  
 AAOccShape[23] = "EL7 Res-Garage (A3) Occup (S3)"  
 AAILShape[1] = "EL7 Res-Bedroom (A1) InsLtg (S1)"  
 AAILShape[2] = "EL7 Res-Living (A2) InsLtg (S1)"  
 AAILShape[3] = "EL7 Res-Garage (A3) InsLtg (S1)"  
 AAILShape[11] = "EL7 Res-Bedroom (A1) InsLtg (S2)"  
 AAILShape[12] = "EL7 Res-Living (A2) InsLtg (S2)"  
 AAILShape[13] = "EL7 Res-Garage (A3) InsLtg (S2)"  
 AAILShape[21] = "EL7 Res-Bedroom (A1) InsLtg (S3)"  
 AAILShape[22] = "EL7 Res-Living (A2) InsLtg (S3)"  
 AAILShape[23] = "EL7 Res-Garage (A3) InsLtg (S3)"  
 AAOEShape[1] = "EL7 Res-Bedroom (A1) OE (S1)"  
 AAOEShape[2] = "EL7 Res-Living (A2) OE (S1)"  
 AAOEShape[3] = "EL7 Res-Garage (A3) OE (S1)"  
 AAOEShape[11] = "EL7 Res-Bedroom (A1) OE (S2)"  
 AAOEShape[12] = "EL7 Res-Living (A2) OE (S2)"

AAOEShape[13] = "EL7 Res-Garage (A3) OE (S2)"  
 AAOEShape[21] = "EL7 Res-Bedroom (A1) OE (S3)"  
 AAOEShape[22] = "EL7 Res-Living (A2) OE (S3)"  
 AAOEShape[23] = "EL7 Res-Garage (A3) OE (S3)"  
 AACEShape[1] = "EL7 Res-Bedroom (A1) Cook (S1)"  
 AACEShape[2] = "EL7 Res-Living (A2) Cook (S1)"  
 AACEShape[3] = "EL7 Res-Garage (A3) Cook (S1)"  
 AACEShape[11] = "EL7 Res-Bedroom (A1) Cook (S2)"  
 AACEShape[12] = "EL7 Res-Living (A2) Cook (S2)"  
 AACEShape[13] = "EL7 Res-Garage (A3) Cook (S2)"  
 AACEShape[21] = "EL7 Res-Bedroom (A1) Cook (S3)"  
 AACEShape[22] = "EL7 Res-Living (A2) Cook (S3)"  
 AACEShape[23] = "EL7 Res-Garage (A3) Cook (S3)"  
 AAMiscShape[1] = "EL7 Res-Bedroom (A1) Misc (S1)"  
 AAMiscShape[2] = "EL7 Res-Living (A2) Misc (S1)"  
 AAMiscShape[3] = "EL7 Res-Garage (A3) Misc (S1)"  
 AAMiscShape[11] = "EL7 Res-Bedroom (A1) Misc (S2)"  
 AAMiscShape[12] = "EL7 Res-Living (A2) Misc (S2)"  
 AAMiscShape[13] = "EL7 Res-Garage (A3) Misc (S2)"  
 AAMiscShape[21] = "EL7 Res-Bedroom (A1) Misc (S3)"  
 AAMiscShape[22] = "EL7 Res-Living (A2) Misc (S3)"  
 AAMiscShape[23] = "EL7 Res-Garage (A3) Misc (S3)"  
 AADHW1Shape[1] = "EL7 Res-Bedroom (A1) DHW-1 (S1)"  
 AADHW1Shape[11] = "EL7 Res-Bedroom (A1) DHW-1 (S2)"  
 AADHW1Shape[21] = "EL7 Res-Bedroom (A1) DHW-1 (S3)"  
 AADHW2Shape[1] = "EL7 Res-Bedroom (A1) DHW-2 (S1)"  
 AADHW2Shape[11] = "EL7 Res-Bedroom (A1) DHW-2 (S2)"  
 AADHW2Shape[21] = "EL7 Res-Bedroom (A1) DHW-2 (S3)"  
 AADHW3Shape[1] = "EL7 Res-Bedroom (A1) DHW-3 (S1)"  
 AADHW3Shape[2] = "EL7 Res-Living (A2) DHW-3 (S1)"  
 AADHW3Shape[11] = "EL7 Res-Bedroom (A1) DHW-3 (S2)"  
 AADHW3Shape[12] = "EL7 Res-Living (A2) DHW-3 (S2)"  
 AADHW3Shape[21] = "EL7 Res-Bedroom (A1) DHW-3 (S3)"  
 AADHW3Shape[22] = "EL7 Res-Living (A2) DHW-3 (S3)"  
 AADHW4Shape[2] = "EL7 Res-Living (A2) DHW-4 (S1)"  
 AADHW4Shape[12] = "EL7 Res-Living (A2) DHW-4 (S2)"  
 AADHW4Shape[22] = "EL7 Res-Living (A2) DHW-4 (S3)"  
 AADHW5Shape[2] = "EL7 Res-Living (A2) DHW-5 (S1)"  
 AADHW5Shape[12] = "EL7 Res-Living (A2) DHW-5 (S2)"  
 AADHW5Shape[22] = "EL7 Res-Living (A2) DHW-5 (S3)"  
 AAMtrShape[1] = "EL7 Res-Bedroom (A1) Mtr (S1)"  
 AAMtrShape[2] = "EL7 Res-Living (A2) Mtr (S1)"  
 AAMtrShape[3] = "EL7 Res-Garage (A3) Mtr (S1)"  
 AAMtrShape[11] = "EL7 Res-Bedroom (A1) Mtr (S2)"  
 AAMtrShape[12] = "EL7 Res-Living (A2) Mtr (S2)"  
 AAMtrShape[13] = "EL7 Res-Garage (A3) Mtr (S2)"  
 AAMtrShape[21] = "EL7 Res-Bedroom (A1) Mtr (S3)"  
 AAMtrShape[22] = "EL7 Res-Living (A2) Mtr (S3)"  
 AAMtrShape[23] = "EL7 Res-Garage (A3) Mtr (S3)"  
 AAPrcShape[1] = "EL7 Res-Bedroom (A1) Prc (S1)"  
 AAPrcShape[2] = "EL7 Res-Living (A2) Prc (S1)"  
 AAPrcShape[3] = "EL7 Res-Garage (A3) Prc (S1)"  
 AAPrcShape[11] = "EL7 Res-Bedroom (A1) Prc (S2)"  
 AAPrcShape[12] = "EL7 Res-Living (A2) Prc (S2)"  
 AAPrcShape[13] = "EL7 Res-Garage (A3) Prc (S2)"  
 AAPrcShape[21] = "EL7 Res-Bedroom (A1) Prc (S3)"

AAPrcShape[22] = "EL7 Res-Living (A2) Prc (S3)"  
AAPrcShape[23] = "EL7 Res-Garage (A3) Prc (S3)"  
AASCRShape[1] = "EL7 Res-Bedroom (A1) SCRfg (S1)"  
AASCRShape[2] = "EL7 Res-Living (A2) SCRfg (S1)"  
AASCRShape[3] = "EL7 Res-Garage (A3) SCRfg (S1)"  
AASCRShape[11] = "EL7 Res-Bedroom (A1) SCRfg (S2)"  
AASCRShape[12] = "EL7 Res-Living (A2) SCRfg (S2)"  
AASCRShape[13] = "EL7 Res-Garage (A3) SCRfg (S2)"  
AASCRShape[21] = "EL7 Res-Bedroom (A1) SCRfg (S3)"  
AASCRShape[22] = "EL7 Res-Living (A2) SCRfg (S3)"  
AASCRShape[23] = "EL7 Res-Garage (A3) SCRfg (S3)"  
GroundExtFacets[1] = "SFAM2 Facet 1"  
GroundExtFacets[2] = "SFAM2 Facet 2"  
GroundExtFacets[3] = "SFAM2 Facet 3"  
GroundExtFacets[4] = "SFAM2 Facet 4"  
GroundExtFacets[5] = "SFAM2 Facet 5"  
GroundExtFacets[6] = "SFAM2 Facet 6"  
GroundExtFacets[7] = "SFAM2 Facet 7"  
GroundExtFacets[8] = "SFAM2 Facet 8"  
DaylitAreaCurrent[3] = 1  
CeilConsBDLUseUVal = 1  
HasPitchedRoof = 1  
RoofOverhang = 2  
GableOverhang = 2  
RoofSpaceInfMeth = "Residential"  
RoofEndIsGable[4] = 1  
RoofEndIsGable[8] = 1  
SFamMeterWeight = 0.335  
SFamLtgPower = 1.41188  
BldgShadesCurrent = 1  
BldgShadeHeight = 10  
BldgShadeDist = 2.5  
BldgShadeTrans = ( 0.9, 0.83, 0.7, 0.6, 0.5, 0.38, 0.3, 0.38, 0.5,  
0.6, 0.7, 0.83 )  
BDBaseUpdateFlag[3] = 0

..

ZnGrpWiz "SFAM2 Garage"  
ActAreaPct[1] = 0  
ActAreaPct[2] = 0  
ActAreaPct[3] = 100  
AssignedSystem = "SFAM2A System"  
IsConditioned = 0  
AssignedDHWSys = "DHW SF2"

..

ZnGrpWiz "SFAM2 General Living"  
ActAreaPct[1] = 0  
ActAreaPct[2] = 100  
ActAreaPct[3] = 0  
AssignedSystem = "SFAM2A System"  
IsConditioned = 1  
AssignedDHWSys = "DHW SF2"

..

ZnGrpWiz "SFAM2 Bedroom"

ActAreaPct[1] = 100  
ActAreaPct[2] = 0  
ActAreaPct[3] = 0  
AssignedSystem = "SFAM2A System"  
IsConditioned = 1  
AssignedDHWSys = "DHW SF2"

..

CustomZone "SFAM2 Zone1"  
Geom\_ZoneID = "Living Area"  
NumVerts = 5  
X[1] = 0  
X[2] = 0  
X[3] = -28.6365  
X[4] = -28.6365  
X[5] = -14.3183  
Y[1] = 14  
Y[2] = 35.4774  
Y[3] = 35.4774  
Y[4] = 14  
Y[5] = 14  
ModelCrawlSpace = 1  
CrawlSpaceCons = ( "Floor abv Crawl Space", "Crawl Space Floor",  
"Crawl Space Wall" )  
BDLComp\_Space[3] = "EL7 South Perim Spc (G.S1)"  
BDLComp\_Zone[3] = "EL7 South Perim Zn (G.S1)"  
BDLComp\_System[3] = "S2 Sys (PVVT)"

..

CustomZone "SFAM2 Zone2"  
Geom\_ZoneID = "Bedroom(s)"  
NumVerts = 5  
X[1] = 0  
X[2] = 0  
X[3] = -14.3183  
X[4] = -28.6365  
X[5] = -28.6365  
Y[1] = 35.4774  
Y[2] = 56.9548  
Y[3] = 56.9548  
Y[4] = 56.9548  
Y[5] = 35.4774  
ModelCrawlSpace = 1  
CrawlSpaceCons = ( "Floor abv Crawl Space", "Crawl Space Floor",  
"Crawl Space Wall" )  
BDLComp\_Space[3] = "EL7 North Perim Spc (G.N2)"  
BDLComp\_Zone[3] = "EL7 North Perim Zn (G.N2)"  
BDLComp\_System[3] = "S2 Sys (PVVT)"

..

CustomZone "SFAM2 Zone3"  
Geom\_ZoneID = "Garage #1"  
NumVerts = 4  
X[1] = 0  
X[2] = 0  
X[3] = -14.3183

X[4] = -14.3183  
Y[1] = 0  
Y[2] = 14  
Y[3] = 14  
Y[4] = 0  
CustomCons\_IWall = "Garage Int Wall"  
CustomCons\_EWall = "Garage Ext Wall"  
BDLComp\_Space[3] = "EL7 South Perim Spc (G.S3)"  
BDLComp\_Zone[3] = "EL7 South Perim Zn (G.S3)"  
BDLComp\_System[3] = "S2 Sys (PVVT)"

..

CustomZone "SFAM2 Zone4"  
Geom\_ZoneID = "Garage #2"  
NumVerts = 4  
X[1] = -14.3183  
X[2] = -14.3183  
X[3] = -28.6365  
X[4] = -28.6365  
Y[1] = 56.9548  
Y[2] = 70.9548  
Y[3] = 70.9548  
Y[4] = 56.9548  
CustomCons\_IWall = "Garage Int Wall"  
CustomCons\_EWall = "Garage Ext Wall"  
BDLComp\_Space[3] = "EL7 North Perim Spc (G.N4)"  
BDLComp\_Zone[3] = "EL7 North Perim Zn (G.N4)"  
BDLComp\_System[3] = "S2 Sys (PVVT)"

..

ShadeWiz "SFAM2 Shade - Front"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 1  
BDL\_X = 2.5  
BDL\_Y = 92.4548  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 75.9548  
BDL\_Azimuth = 90  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

ShadeWiz "SFAM2 Shade - Right"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 2  
BDL\_X = 2.5  
BDL\_Y = 168.41  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 33.6365  
BDL\_Azimuth = 0  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

ShadeWiz "SFAM2 Shade - Back"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 3  
BDL\_X = -31.1365  
BDL\_Y = 168.41  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 75.9548  
BDL\_Azimuth = 270  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

ShadeWiz "SFAM2 Shade - Left"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 4  
BDL\_X = -31.1365  
BDL\_Y = 92.4548  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 33.6365  
BDL\_Azimuth = 180  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

FacetWiz "SFAM2 Facet 1"  
ParentZoneIdx = 0  
SegmentNumber = 0

..

WinWiz "SFAM2 Window 1"  
X = 1  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2 Window 2"  
X = 5.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2 Window 3"  
X = 10  
Y = 3.5  
Width = 2.23805  
Height = 4

FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2 Window 4"

X = 14.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

FacetWiz "SFAM2 Facet 2"

ParentZoneIdx = 0  
SegmentNumber = 2

..

WinWiz "SFAM2 Window 5"

X = 1  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2 Window 6"

X = 5.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2 Window 7"

X = 10  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2 Window 8"

X = 14.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0



IsDoor = 0  
GlassTypeldx = 0

..

FacetWiz "SFAM2 Facet 3"  
ParentZoneldx = 0  
SegmentNumber = 3

..

WinWiz "SFAM2 Window 9"  
X = 2  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

DoorWiz "SFAM2 Door 1"  
X = 8  
Y = 0  
Width = 3  
Height = 6.7  
FrameWidth = 0  
DoorTypeldx = 0

..

FacetWiz "SFAM2 Facet 4"  
ParentZoneldx = 1  
SegmentNumber = 0

..

WinWiz "SFAM2 Window 10"  
X = 1  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2 Window 11"  
X = 5.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2 Window 12"  
X = 10  
Y = 3.5

Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0  
..

WinWiz "SFAM2 Window 13"  
X = 14.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0  
..

FacetWiz "SFAM2 Facet 5"  
ParentZoneIdx = 1  
SegmentNumber = 1  
..

WinWiz "SFAM2 Window 14"  
X = 2  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0  
..

DoorWiz "SFAM2 Door 2"  
X = 8  
Y = 0  
Width = 3  
Height = 6.7  
FrameWidth = 0  
DoorTypeIdx = 0  
..

FacetWiz "SFAM2 Facet 6"  
ParentZoneIdx = 1  
SegmentNumber = 3  
..

WinWiz "SFAM2 Window 15"  
X = 1  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0  
..

WinWiz "SFAM2 Window 16"  
X = 5.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0  
..

WinWiz "SFAM2 Window 17"  
X = 10  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0  
..

WinWiz "SFAM2 Window 18"  
X = 14.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0  
..

FacetWiz "SFAM2 Facet 7"  
ParentZoneldx = 2  
SegmentNumber = 2  
..

DoorWiz "SFAM2 Door 3"  
X = 1  
Y = 0  
Width = 12  
Height = 7.5  
FrameWidth = 0  
DoorTypeldx = 1  
..

FacetWiz "SFAM2 Facet 8"  
ParentZoneldx = 3  
SegmentNumber = 0  
..

DoorWiz "SFAM2 Door 4"  
X = 1  
Y = 0  
Width = 12  
Height = 7.5  
FrameWidth = 0  
DoorTypeldx = 1

..  
ShapeWiz "EL7 Res-Bedroom (A1) InsLtg (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) InsLtg (S1)"  
..  
ShapeWiz "EL7 Res-Garage (A3) InsLtg (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) InsLtg (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) InsLtg (S2)"  
..  
ShapeWiz "EL7 Res-Garage (A3) InsLtg (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) InsLtg (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) InsLtg (S3)"  
..  
ShapeWiz "EL7 Res-Garage (A3) InsLtg (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) OE (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) OE (S1)"  
..  
ShapeWiz "EL7 Res-Garage (A3) OE (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) OE (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) OE (S2)"  
..  
ShapeWiz "EL7 Res-Garage (A3) OE (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) OE (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) OE (S3)"  
..  
ShapeWiz "EL7 Res-Garage (A3) OE (S3)"  
..

ShapeWiz "EL7 Res-Bedroom (A1) Cook (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) Cook (S1)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Cook (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Cook (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) Cook (S2)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Cook (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Cook (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) Cook (S3)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Cook (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Misc (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) Misc (S1)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Misc (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Misc (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) Misc (S2)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Misc (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Misc (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) Misc (S3)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Misc (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) DHW-1 (S1)"  
..

ShapeWiz "EL7 Res-Bedroom (A1) DHW-1 (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) DHW-1 (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) DHW-2 (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) DHW-2 (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) DHW-2 (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) DHW-3 (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-3 (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) DHW-3 (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-3 (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) DHW-3 (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-3 (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-4 (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-4 (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-4 (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-5 (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-5 (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) DHW-5 (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Occup (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) Occup (S1)"

..  
ShapeWiz "EL7 Res-Garage (A3) Occup (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Occup (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) Occup (S2)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Occup (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Occup (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) Occup (S3)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Occup (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Mtr (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) Mtr (S1)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Mtr (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Mtr (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) Mtr (S2)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Mtr (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Mtr (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) Mtr (S3)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Mtr (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Prc (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) Prc (S1)"  
..

ShapeWiz "EL7 Res-Garage (A3) Prc (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Prc (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) Prc (S2)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Prc (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) Prc (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) Prc (S3)"  
..  
ShapeWiz "EL7 Res-Garage (A3) Prc (S3)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) SCRfg (S1)"  
..  
ShapeWiz "EL7 Res-Living (A2) SCRfg (S1)"  
..  
ShapeWiz "EL7 Res-Garage (A3) SCRfg (S1)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) SCRfg (S2)"  
..  
ShapeWiz "EL7 Res-Living (A2) SCRfg (S2)"  
..  
ShapeWiz "EL7 Res-Garage (A3) SCRfg (S2)"  
..  
ShapeWiz "EL7 Res-Bedroom (A1) SCRfg (S3)"  
..  
ShapeWiz "EL7 Res-Living (A2) SCRfg (S3)"  
..  
ShapeWiz "EL7 Res-Garage (A3) SCRfg (S3)"  
..  
RoofZone "Roof Zone 7"  
NumVerts = 8  
X[1] = 2  
X[2] = 2  
X[3] = -12.3183  
X[4] = -12.3183  
X[5] = -30.6365  
X[6] = -30.6365



X[7] = -16.3183  
X[8] = -16.3183  
Y[1] = -2  
Y[2] = 58.9548  
Y[3] = 58.9548  
Y[4] = 72.9548  
Y[5] = 72.9548  
Y[6] = 12  
Y[7] = 12  
Y[8] = -2  
Volume = 5734.07  
PeakHt = 7.60932  
PolyArea = 2045.35  
GableArea = 78.2367  
EdgeNumVerts = 8  
EdgeX[1] = 2  
EdgeX[2] = 2  
EdgeX[3] = -12.3183  
EdgeX[4] = -12.3183  
EdgeX[5] = -30.6365  
EdgeX[6] = -30.6365  
EdgeX[7] = -16.3183  
EdgeX[8] = -16.3183  
EdgeY[1] = -2  
EdgeY[2] = 58.9548  
EdgeY[3] = 58.9548  
EdgeY[4] = 72.9548  
EdgeY[5] = 72.9548  
EdgeY[6] = 12  
EdgeY[7] = 12  
EdgeY[8] = -2  
..

RoofWall "Roof Wall 53"

RoofZoneVert = 0  
NumVerts = 6  
X[1] = 0  
X[2] = 60.9548  
X[3] = 44.6366  
X[4] = 30.3183  
X[5] = 23.1591  
X[6] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 18.0052  
Y[4] = 18.0052  
Y[5] = 10.106  
Y[6] = 10.106  
Tilt = 25  
Azimuth = 90  
XHorz[1] = 2  
XHorz[2] = 2  
XHorz[3] = -14.3182  
XHorz[4] = -14.3182  
XHorz[5] = -7.15915  
XHorz[6] = -7.15915

YHorz[1] = -2  
YHorz[2] = 58.9548  
YHorz[3] = 42.6366  
YHorz[4] = 28.3183  
YHorz[5] = 21.1591  
YHorz[6] = -2  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
ZHorz[4] = 7.60932  
ZHorz[5] = 4.27098  
ZHorz[6] = 4.27098  
XGable = 2  
YGable = -2  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 54"

RoofZoneVert = 0  
NumVerts = 4  
X[1] = 0  
X[2] = 56.9548  
X[3] = 58.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 90  
XHorz[1] = 0  
XHorz[2] = 0  
XHorz[3] = 2  
XHorz[4] = 2  
YHorz[1] = 0  
YHorz[2] = 56.9548  
YHorz[3] = 58.9548  
YHorz[4] = 0  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 55"

RoofZoneVert = 1  
NumVerts = 4  
X[1] = 0  
X[2] = 14.3183  
X[3] = 23.4774  
X[4] = 16.3182  
Y[1] = 0  
Y[2] = 0  
Y[3] = 10.1059  
Y[4] = 18.0052

Tilt = 25  
Azimuth = 0  
XHorz[1] = 2  
XHorz[2] = -12.3183  
XHorz[3] = -21.4774  
XHorz[4] = -14.3182  
YHorz[1] = 58.9548  
YHorz[2] = 58.9548  
YHorz[3] = 49.7957  
YHorz[4] = 42.6366  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27096  
ZHorz[4] = 7.60932  
XGable = 2  
YGable = 58.9548  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 56"

RoofZoneVert = 1  
NumVerts = 4  
X[1] = 0  
X[2] = 14.3183  
X[3] = 12.3183  
X[4] = -2  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 0  
XHorz[1] = 0  
XHorz[2] = -14.3183  
XHorz[3] = -12.3183  
XHorz[4] = 2  
YHorz[1] = 56.9548  
YHorz[2] = 56.9548  
YHorz[3] = 58.9548  
YHorz[4] = 58.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 57"

RoofZoneVert = 2  
NumVerts = 4  
X[1] = 0  
X[2] = 14  
X[3] = 14  
X[4] = -9.1591  
Y[1] = 0  
Y[2] = 0

Y[3] = 10.1059  
Y[4] = 10.1059  
Tilt = 25  
Azimuth = 90  
XHorz[1] = -12.3183  
XHorz[2] = -12.3183  
XHorz[3] = -21.4774  
XHorz[4] = -21.4774  
YHorz[1] = 58.9548  
YHorz[2] = 72.9548  
YHorz[3] = 72.9548  
YHorz[4] = 49.7957  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27096  
ZHorz[4] = 4.27096  
XGable = -12.3183  
YGable = 58.9548  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 58"

RoofZoneVert = 2  
NumVerts = 4  
X[1] = 0  
X[2] = 14  
X[3] = 14  
X[4] = 2  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 90  
XHorz[1] = -14.3183  
XHorz[2] = -14.3183  
XHorz[3] = -12.3183  
XHorz[4] = -12.3183  
YHorz[1] = 56.9548  
YHorz[2] = 70.9548  
YHorz[3] = 70.9548  
YHorz[4] = 58.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 59"

RoofZoneVert = 3  
NumVerts = 3  
X[1] = 0  
X[2] = 18.3182  
X[3] = 9.1591  
Y[1] = 0

Y[2] = 0  
Y[3] = 4.27096  
Tilt = 90  
Azimuth = 0  
XHorz[1] = -12.3183  
XHorz[2] = -30.6365  
XHorz[3] = -21.4774  
YHorz[1] = 72.9548  
YHorz[2] = 72.9548  
YHorz[3] = 72.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27096  
XGable = -12.3183  
YGable = 70.9548  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 60"

RoofZoneVert = 4  
NumVerts = 6  
X[1] = 0  
X[2] = 60.9548  
X[3] = 44.6366  
X[4] = 30.3183  
X[5] = 23.1591  
X[6] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 18.0052  
Y[4] = 18.0052  
Y[5] = 10.1059  
Y[6] = 10.1059  
Tilt = 25  
Azimuth = -90  
XHorz[1] = -30.6365  
XHorz[2] = -30.6365  
XHorz[3] = -14.3182  
XHorz[4] = -14.3182  
XHorz[5] = -21.4774  
XHorz[6] = -21.4774  
YHorz[1] = 72.9548  
YHorz[2] = 12  
YHorz[3] = 28.3183  
YHorz[4] = 42.6366  
YHorz[5] = 49.7957  
YHorz[6] = 72.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
ZHorz[4] = 7.60932  
ZHorz[5] = 4.27096  
ZHorz[6] = 4.27096  
XGable = -30.6365  
YGable = 72.9548  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 61"

RoofZoneVert = 4  
NumVerts = 4  
X[1] = 0  
X[2] = 56.9548  
X[3] = 58.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = -90  
XHorz[1] = -28.6365  
XHorz[2] = -28.6365  
XHorz[3] = -30.6365  
XHorz[4] = -30.6365  
YHorz[1] = 70.9548  
YHorz[2] = 14  
YHorz[3] = 12  
YHorz[4] = 70.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 62"

RoofZoneVert = 5  
NumVerts = 4  
X[1] = 0  
X[2] = 14.3182  
X[3] = 23.4773  
X[4] = 16.3182  
Y[1] = 0  
Y[2] = 0  
Y[3] = 10.106  
Y[4] = 18.0052  
Tilt = 25  
Azimuth = 180  
XHorz[1] = -30.6365  
XHorz[2] = -16.3183  
XHorz[3] = -7.15915  
XHorz[4] = -14.3182  
YHorz[1] = 12  
YHorz[2] = 12  
YHorz[3] = 21.1591  
YHorz[4] = 28.3183  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27098  
ZHorz[4] = 7.60932  
XGable = -30.6365

YGable = 12  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 63"

RoofZoneVert = 5  
NumVerts = 4  
X[1] = 0  
X[2] = 14.3182  
X[3] = 12.3182  
X[4] = -2  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 180  
XHorz[1] = -28.6365  
XHorz[2] = -14.3183  
XHorz[3] = -16.3183  
XHorz[4] = -30.6365  
YHorz[1] = 14  
YHorz[2] = 14  
YHorz[3] = 12  
YHorz[4] = 12  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 64"

RoofZoneVert = 6  
NumVerts = 4  
X[1] = 0  
X[2] = 14  
X[3] = 14  
X[4] = -9.15915  
Y[1] = 0  
Y[2] = 0  
Y[3] = 10.106  
Y[4] = 10.106  
Tilt = 25  
Azimuth = -90  
XHorz[1] = -16.3183  
XHorz[2] = -16.3183  
XHorz[3] = -7.15915  
XHorz[4] = -7.15915  
YHorz[1] = 12  
YHorz[2] = -2  
YHorz[3] = -2  
YHorz[4] = 21.1591  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27098

ZHorz[4] = 4.27098  
XGable = -16.3183  
YGable = 12  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 65"

RoofZoneVert = 6  
NumVerts = 4  
X[1] = 0  
X[2] = 14  
X[3] = 14  
X[4] = 2  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = -90  
XHorz[1] = -14.3183  
XHorz[2] = -14.3183  
XHorz[3] = -16.3183  
XHorz[4] = -16.3183  
YHorz[1] = 14  
YHorz[2] = 0  
YHorz[3] = 0  
YHorz[4] = 12  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 66"

RoofZoneVert = 7  
NumVerts = 3  
X[1] = 0  
X[2] = 18.3183  
X[3] = 9.15915  
Y[1] = 0  
Y[2] = 0  
Y[3] = 4.27098  
Tilt = 90  
Azimuth = 180  
XHorz[1] = -16.3183  
XHorz[2] = 2  
XHorz[3] = -7.15915  
YHorz[1] = -2  
YHorz[2] = -2  
YHorz[3] = -2  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27098  
XGable = -16.3183  
YGable = 0



SpacePolyIdx = -1

..

AtticFlr "Attic Floor 7"

RoofZoneVert = 0

NumVerts = 12

X[1] = -14.3183

X[2] = 0

X[3] = 0

X[4] = 0

X[5] = 0

X[6] = -14.3183

X[7] = -14.3183

X[8] = -28.6365

X[9] = -28.6365

X[10] = -28.6365

X[11] = -28.6365

X[12] = -14.3183

Y[1] = 56.9548

Y[2] = 56.9548

Y[3] = 35.4774

Y[4] = 14

Y[5] = 0

Y[6] = 0

Y[7] = 14

Y[8] = 14

Y[9] = 35.4774

Y[10] = 56.9548

Y[11] = 70.9548

Y[12] = 70.9548

Tilt = 0

Azimuth = 180

SpacePolyIdx = -1

..

ShellWiz "SFAM2-2"

BldgType = "Residential, Single-Family"

FirsAboveGrade = 1

FirsBelowGrade = 0

ShellPos\_Specify = 1

BldgX = -42.6365

BldgY = 204.91

BldgZ = 0

Geom\_ShellID = "Single Story #2"

Geom\_NumStories = 1

Footprint = "- custom -"

Orientation = "East"

UseAspectRatio = 0

FlrToFlr = 8.5

FlrToCeiling = 8.5

ZoningPattern = "- custom -"

DiagLink = "SFAM2-2 Diag Data"

RoofConsType = "Wood Advanced Frame, 24 in. o.c."

RoofFinish = "Roofing, shingle"

VertExtConsType = "Wood Frame, 2x4, 16 in. o.c."

VertExtBrdInsType = "- no ext board insulation -"

VertExtSecInsType = "- no batt -"  
VertExtIntInsType = "- no board insulation -"  
VertExtFinish = "Stucco/Gunite"  
EWallOverallRVal = 9.92  
AtticFrameType = "Wood, Standard Framing"  
AtticInsType = "- no batt -"  
AtticDesCoolTemp = 60  
AtticDesHeatTemp = 52  
AFirOverallRVal = 16.38  
InfilOption = "ACH by Activity Area"  
PerimInfil = 0.35  
CoreInfil = 0.35  
InfilSchedOption = "Constant (100% of input)"  
ZoningCurrent = 1  
NumFloorVertices = 12  
FloorVertX[1] = 0  
FloorVertX[2] = 0  
FloorVertX[3] = 0  
FloorVertX[4] = 0  
FloorVertX[5] = -14.3183  
FloorVertX[6] = -14.3183  
FloorVertX[7] = -28.6365  
FloorVertX[8] = -28.6365  
FloorVertX[9] = -28.6365  
FloorVertX[10] = -28.6365  
FloorVertX[11] = -14.3183  
FloorVertX[12] = -14.3183  
FloorVertY[1] = 0  
FloorVertY[2] = 14  
FloorVertY[3] = 35.4774  
FloorVertY[4] = 56.9548  
FloorVertY[5] = 56.9548  
FloorVertY[6] = 70.9548  
FloorVertY[7] = 70.9548  
FloorVertY[8] = 56.9548  
FloorVertY[9] = 35.4774  
FloorVertY[10] = 14  
FloorVertY[11] = 14  
FloorVertY[12] = 0  
AdiabaticCurrent = 1  
GroundZnGrp[1] = "SFAM2-2 General Living"  
GroundZnGrp[2] = "SFAM2-2 Bedroom"  
GroundZnGrp[3] = "SFAM2-2 Garage"  
GroundZnGrp[4] = "SFAM2-2 Garage"  
ZoneGroupsOK = 1  
NumResUnits = 1  
CustomFootprint = 1  
CustomZoning = 1  
CustomRoofZoning = -1  
FloorArea = 1630.99  
FloorPerimLen = 199.183  
OverhangOption = "None"  
GTCCategory[1] = "- specify properties -"  
GTCCategory[2] = "- select another -"  
GTCCategory[3] = "- select another -"  
WindowHeight[1] = 4

WinSillHeight[1] = 3.5  
 WinFrameWidth[1] = 0  
 WinAreaSpecMethod = "Percent of Conditioned Floor Area"  
 PercentGlassI1[1] = 0  
 PercentGlassI2[1] = 0  
 PercentGlassI3[1] = 0  
 PercentGlassI4[1] = 0  
 DoorType = ( "Opaque", "Overhead", "- select another -" )  
 NumExtDoors1[1] = 0  
 NumExtDoors1[2] = 0  
 NumExtDoors2[1] = 0  
 NumExtDoors2[2] = 0  
 NumExtDoors3[1] = 0  
 NumExtDoors3[2] = 0  
 NumExtDoors4[1] = 0  
 NumExtDoors4[2] = 0  
 DoorWidth[1] = 3  
 DoorWidth[2] = 12  
 OpaqueDoorType[3] = "- select another -"  
 DoorHeight[1] = 6.7  
 DoorHeight[2] = 7.5  
 WindowFinOption = "None"  
 TypWindowWidth[1] = 2.23805  
 WinWdPrecedence[1] = 1  
 GP\_SpecMethod[1] = "NFRC Ufactor"  
 GP\_SpecMethod[2] = "NFRC Ufactor"  
 GP\_SolSpecMethod[1] = "NFRC SHGC"  
 GP\_SolSpecMethod[2] = "NFRC SHGC"  
 GP\_Ufactor[1] = 0.95  
 GP\_Ufactor[2] = 0.95  
 GP\_SHGC[1] = 0.87  
 GP\_SHGC[2] = 0.87  
 BDLWinShadeSch[1] = "DEER Res ShadeSch"  
 BDLWinShadeType[1] = "Fixed Interior"  
 SkyZonesCurrent = 1  
 SkyltZones[1] = 1  
 SkyltZones[2] = 1  
 SkyltZones[3] = 1  
 SkyltZones[4] = 1  
 SkyPosCurrent = 1  
 DayZonesCurrent[3] = 1  
 DayltZones[401] = 1  
 DayltZones[402] = 1  
 DayltZones[403] = 1  
 DayltZones[404] = 1  
 WinDoorCurrent = 1  
 DetailsCurrent = ( 1, 1, 1 )  
 BDLNumDayltCtrls[401] = 0  
 BDLNumDayltCtrls[402] = 0  
 BDLNumDayltCtrls[403] = 0  
 BDLNumDayltCtrls[404] = 0  
 ActAreaType = ( "Residential (Bedroom)",  
 "Residential (General Living Space)",  
 "Residential (Garage)", "- select another -",  
 "- select another -", "- select another -",  
 "- select another -", "- select another -" )

PercentArea[1] = 35  
 PercentArea[2] = 35  
 PercentArea[3] = 30  
 OccupDensity[1] = 279.563  
 OccupDensity[2] = 279.563  
 OccupDensity[3] = 10000  
 Infiltration[1] = 0.35  
 Infiltration[2] = 0.35  
 Infiltration[3] = 1.5  
 ActAreaSeas1SchGrp[1] = "Residential (sngl fam) Bedrms (Winter)"  
 ActAreaSeas1SchGrp[2] = "Residential (sngl fam) Living (Winter)"  
 ActAreaSeas1SchGrp[3] = "Residential (sngl fam) Garage (Winter)"  
 ActAreaSeas2SchGrp[1] = "Residential (sngl fam) Bedrms (Spr-Sum)"  
 ActAreaSeas2SchGrp[2] = "Residential (sngl fam) Living (Spr-Sum)"  
 ActAreaSeas2SchGrp[3] = "Residential (sngl fam) Garage (Spr-Sum)"  
 ActAreaSeas3SchGrp[1] = "Residential (sngl fam) Bedrms (other)"  
 ActAreaSeas3SchGrp[2] = "Residential (sngl fam) Living (other)"  
 ActAreaSeas3SchGrp[3] = "Residential (sngl fam) Garage (other)"  
 AAOccShape[1] = "EL8 Res-Bedroom (A1) Occup (S1)"  
 AAOccShape[2] = "EL8 Res-Living (A2) Occup (S1)"  
 AAOccShape[3] = "EL8 Res-Garage (A3) Occup (S1)"  
 AAOccShape[11] = "EL8 Res-Bedroom (A1) Occup (S2)"  
 AAOccShape[12] = "EL8 Res-Living (A2) Occup (S2)"  
 AAOccShape[13] = "EL8 Res-Garage (A3) Occup (S2)"  
 AAOccShape[21] = "EL8 Res-Bedroom (A1) Occup (S3)"  
 AAOccShape[22] = "EL8 Res-Living (A2) Occup (S3)"  
 AAOccShape[23] = "EL8 Res-Garage (A3) Occup (S3)"  
 AAILShape[1] = "EL8 Res-Bedroom (A1) InsLtg (S1)"  
 AAILShape[2] = "EL8 Res-Living (A2) InsLtg (S1)"  
 AAILShape[3] = "EL8 Res-Garage (A3) InsLtg (S1)"  
 AAILShape[11] = "EL8 Res-Bedroom (A1) InsLtg (S2)"  
 AAILShape[12] = "EL8 Res-Living (A2) InsLtg (S2)"  
 AAILShape[13] = "EL8 Res-Garage (A3) InsLtg (S2)"  
 AAILShape[21] = "EL8 Res-Bedroom (A1) InsLtg (S3)"  
 AAILShape[22] = "EL8 Res-Living (A2) InsLtg (S3)"  
 AAILShape[23] = "EL8 Res-Garage (A3) InsLtg (S3)"  
 AAOEShape[1] = "EL8 Res-Bedroom (A1) OE (S1)"  
 AAOEShape[2] = "EL8 Res-Living (A2) OE (S1)"  
 AAOEShape[3] = "EL8 Res-Garage (A3) OE (S1)"  
 AAOEShape[11] = "EL8 Res-Bedroom (A1) OE (S2)"  
 AAOEShape[12] = "EL8 Res-Living (A2) OE (S2)"  
 AAOEShape[13] = "EL8 Res-Garage (A3) OE (S2)"  
 AAOEShape[21] = "EL8 Res-Bedroom (A1) OE (S3)"  
 AAOEShape[22] = "EL8 Res-Living (A2) OE (S3)"  
 AAOEShape[23] = "EL8 Res-Garage (A3) OE (S3)"  
 AACEShape[1] = "EL8 Res-Bedroom (A1) Cook (S1)"  
 AACEShape[2] = "EL8 Res-Living (A2) Cook (S1)"  
 AACEShape[3] = "EL8 Res-Garage (A3) Cook (S1)"  
 AACEShape[11] = "EL8 Res-Bedroom (A1) Cook (S2)"  
 AACEShape[12] = "EL8 Res-Living (A2) Cook (S2)"  
 AACEShape[13] = "EL8 Res-Garage (A3) Cook (S2)"  
 AACEShape[21] = "EL8 Res-Bedroom (A1) Cook (S3)"  
 AACEShape[22] = "EL8 Res-Living (A2) Cook (S3)"  
 AACEShape[23] = "EL8 Res-Garage (A3) Cook (S3)"  
 AAMiscShape[1] = "EL8 Res-Bedroom (A1) Misc (S1)"  
 AAMiscShape[2] = "EL8 Res-Living (A2) Misc (S1)"

AAMiscShape[3] = "EL8 Res-Garage (A3) Misc (S1)"  
 AAMiscShape[11] = "EL8 Res-Bedroom (A1) Misc (S2)"  
 AAMiscShape[12] = "EL8 Res-Living (A2) Misc (S2)"  
 AAMiscShape[13] = "EL8 Res-Garage (A3) Misc (S2)"  
 AAMiscShape[21] = "EL8 Res-Bedroom (A1) Misc (S3)"  
 AAMiscShape[22] = "EL8 Res-Living (A2) Misc (S3)"  
 AAMiscShape[23] = "EL8 Res-Garage (A3) Misc (S3)"  
 AADHW1Shape[1] = "EL8 Res-Bedroom (A1) DHW-1 (S1)"  
 AADHW1Shape[11] = "EL8 Res-Bedroom (A1) DHW-1 (S2)"  
 AADHW1Shape[21] = "EL8 Res-Bedroom (A1) DHW-1 (S3)"  
 AADHW2Shape[1] = "EL8 Res-Bedroom (A1) DHW-2 (S1)"  
 AADHW2Shape[11] = "EL8 Res-Bedroom (A1) DHW-2 (S2)"  
 AADHW2Shape[21] = "EL8 Res-Bedroom (A1) DHW-2 (S3)"  
 AADHW3Shape[1] = "EL8 Res-Bedroom (A1) DHW-3 (S1)"  
 AADHW3Shape[2] = "EL8 Res-Living (A2) DHW-3 (S1)"  
 AADHW3Shape[11] = "EL8 Res-Bedroom (A1) DHW-3 (S2)"  
 AADHW3Shape[12] = "EL8 Res-Living (A2) DHW-3 (S2)"  
 AADHW3Shape[21] = "EL8 Res-Bedroom (A1) DHW-3 (S3)"  
 AADHW3Shape[22] = "EL8 Res-Living (A2) DHW-3 (S3)"  
 AADHW4Shape[2] = "EL8 Res-Living (A2) DHW-4 (S1)"  
 AADHW4Shape[12] = "EL8 Res-Living (A2) DHW-4 (S2)"  
 AADHW4Shape[22] = "EL8 Res-Living (A2) DHW-4 (S3)"  
 AADHW5Shape[2] = "EL8 Res-Living (A2) DHW-5 (S1)"  
 AADHW5Shape[12] = "EL8 Res-Living (A2) DHW-5 (S2)"  
 AADHW5Shape[22] = "EL8 Res-Living (A2) DHW-5 (S3)"  
 AAMtrShape[1] = "EL8 Res-Bedroom (A1) Mtr (S1)"  
 AAMtrShape[2] = "EL8 Res-Living (A2) Mtr (S1)"  
 AAMtrShape[3] = "EL8 Res-Garage (A3) Mtr (S1)"  
 AAMtrShape[11] = "EL8 Res-Bedroom (A1) Mtr (S2)"  
 AAMtrShape[12] = "EL8 Res-Living (A2) Mtr (S2)"  
 AAMtrShape[13] = "EL8 Res-Garage (A3) Mtr (S2)"  
 AAMtrShape[21] = "EL8 Res-Bedroom (A1) Mtr (S3)"  
 AAMtrShape[22] = "EL8 Res-Living (A2) Mtr (S3)"  
 AAMtrShape[23] = "EL8 Res-Garage (A3) Mtr (S3)"  
 AAPrcShape[1] = "EL8 Res-Bedroom (A1) Prc (S1)"  
 AAPrcShape[2] = "EL8 Res-Living (A2) Prc (S1)"  
 AAPrcShape[3] = "EL8 Res-Garage (A3) Prc (S1)"  
 AAPrcShape[11] = "EL8 Res-Bedroom (A1) Prc (S2)"  
 AAPrcShape[12] = "EL8 Res-Living (A2) Prc (S2)"  
 AAPrcShape[13] = "EL8 Res-Garage (A3) Prc (S2)"  
 AAPrcShape[21] = "EL8 Res-Bedroom (A1) Prc (S3)"  
 AAPrcShape[22] = "EL8 Res-Living (A2) Prc (S3)"  
 AAPrcShape[23] = "EL8 Res-Garage (A3) Prc (S3)"  
 AASCRShape[1] = "EL8 Res-Bedroom (A1) SCRfg (S1)"  
 AASCRShape[2] = "EL8 Res-Living (A2) SCRfg (S1)"  
 AASCRShape[3] = "EL8 Res-Garage (A3) SCRfg (S1)"  
 AASCRShape[11] = "EL8 Res-Bedroom (A1) SCRfg (S2)"  
 AASCRShape[12] = "EL8 Res-Living (A2) SCRfg (S2)"  
 AASCRShape[13] = "EL8 Res-Garage (A3) SCRfg (S2)"  
 AASCRShape[21] = "EL8 Res-Bedroom (A1) SCRfg (S3)"  
 AASCRShape[22] = "EL8 Res-Living (A2) SCRfg (S3)"  
 AASCRShape[23] = "EL8 Res-Garage (A3) SCRfg (S3)"  
 GroundExtFacets[1] = "SFAM2-2 Facet 1"  
 GroundExtFacets[2] = "SFAM2-2 Facet 2"  
 GroundExtFacets[3] = "SFAM2-2 Facet 3"  
 GroundExtFacets[4] = "SFAM2-2 Facet 4"

GroundExtFacets[5] = "SFAM2-2 Facet 5"  
GroundExtFacets[6] = "SFAM2-2 Facet 6"  
GroundExtFacets[7] = "SFAM2-2 Facet 7"  
GroundExtFacets[8] = "SFAM2-2 Facet 8"  
DaylitAreaCurrent[3] = 1  
CeilConsBDLUseUVal = 1  
HasPitchedRoof = 1  
RoofOverhang = 2  
GableOverhang = 2  
RoofSpaceInfMeth = "Residential"  
RoofEndIsGable[4] = 1  
RoofEndIsGable[8] = 1  
SFamMeterWeight = 0.335  
SFamLtgPower = 1.41188  
BldgShadesCurrent = 1  
BldgShadeHeight = 10  
BldgShadeDist = 2.5  
BldgShadeTrans = ( 0.9, 0.83, 0.7, 0.6, 0.5, 0.38, 0.3, 0.38, 0.5,  
0.6, 0.7, 0.83 )  
BDBaseUpdateFlag[3] = 0

..

ZnGrpWiz "SFAM2-2 Garage"  
ActAreaPct[1] = 0  
ActAreaPct[2] = 0  
ActAreaPct[3] = 100  
AssignedSystem = "SFAM2B System"  
IsConditioned = 0  
AssignedDHWSys = "DHW SF2-2"

..

ZnGrpWiz "SFAM2-2 General Living"  
ActAreaPct[1] = 0  
ActAreaPct[2] = 100  
ActAreaPct[3] = 0  
AssignedSystem = "SFAM2B System"  
IsConditioned = 1  
AssignedDHWSys = "DHW SF2-2"

..

ZnGrpWiz "SFAM2-2 Bedroom"  
ActAreaPct[1] = 100  
ActAreaPct[2] = 0  
ActAreaPct[3] = 0  
AssignedSystem = "SFAM2B System"  
IsConditioned = 1  
AssignedDHWSys = "DHW SF2-2"

..

CustomZone "SFAM2-2 Zone1"  
Geom\_ZoneID = "Living Area"  
NumVerts = 5  
X[1] = 0  
X[2] = 0  
X[3] = -28.6365  
X[4] = -28.6365

X[5] = -14.3183  
Y[1] = 14  
Y[2] = 35.4774  
Y[3] = 35.4774  
Y[4] = 14  
Y[5] = 14  
ModelCrawlSpace = 1  
CrawlSpaceCons = ( "Floor abv Crawl Space", "Crawl Space Floor",  
"Crawl Space Wall" )  
BDLComp\_Space[3] = "EL8 West Perim Spc (G.W1)"  
BDLComp\_Zone[3] = "EL8 West Perim Zn (G.W1)"  
BDLComp\_System[3] = "S4 Sys (PVVT)"  
..

CustomZone "SFAM2-2 Zone2"

Geom\_ZoneID = "Bedroom(s)"  
NumVerts = 5  
X[1] = 0  
X[2] = 0  
X[3] = -14.3183  
X[4] = -28.6365  
X[5] = -28.6365  
Y[1] = 35.4774  
Y[2] = 56.9548  
Y[3] = 56.9548  
Y[4] = 56.9548  
Y[5] = 35.4774  
ModelCrawlSpace = 1  
CrawlSpaceCons = ( "Floor abv Crawl Space", "Crawl Space Floor",  
"Crawl Space Wall" )  
BDLComp\_Space[3] = "EL8 East Perim Spc (G.E2)"  
BDLComp\_Zone[3] = "EL8 East Perim Zn (G.E2)"  
BDLComp\_System[3] = "S4 Sys (PVVT)"  
..

CustomZone "SFAM2-2 Zone3"

Geom\_ZoneID = "Garage #1"  
NumVerts = 4  
X[1] = 0  
X[2] = 0  
X[3] = -14.3183  
X[4] = -14.3183  
Y[1] = 0  
Y[2] = 14  
Y[3] = 14  
Y[4] = 0  
CustomCons\_IWall = "Garage Int Wall"  
CustomCons\_EWall = "Garage Ext Wall"  
BDLComp\_Space[3] = "EL8 West Perim Spc (G.W3)"  
BDLComp\_Zone[3] = "EL8 West Perim Zn (G.W3)"  
BDLComp\_System[3] = "S4 Sys (PVVT)"  
..

CustomZone "SFAM2-2 Zone4"

Geom\_ZoneID = "Garage #2"  
NumVerts = 4

X[1] = -14.3183  
X[2] = -14.3183  
X[3] = -28.6365  
X[4] = -28.6365  
Y[1] = 56.9548  
Y[2] = 70.9548  
Y[3] = 70.9548  
Y[4] = 56.9548  
CustomCons\_IWall = "Garage Int Wall"  
CustomCons\_EWall = "Garage Ext Wall"  
BDLComp\_Space[3] = "EL8 East Perim Spc (G.E4)"  
BDLComp\_Zone[3] = "EL8 East Perim Zn (G.E4)"  
BDLComp\_System[3] = "S4 Sys (PVVT)"  
..

ShadeWiz "SFAM2-2 Shade - Front"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 1  
BDL\_X = -45.1365  
BDL\_Y = 202.41  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 75.9548  
BDL\_Azimuth = 180  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"  
..

ShadeWiz "SFAM2-2 Shade - Right"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 2  
BDL\_X = 30.8183  
BDL\_Y = 202.41  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 33.6365  
BDL\_Azimuth = 90  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"  
..

ShadeWiz "SFAM2-2 Shade - Back"  
ShadeDescription = "DEER Residential Surrounding"  
PositionIDs[1] = 3  
BDL\_X = 30.8183  
BDL\_Y = 236.046  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 75.9548  
BDL\_Azimuth = 0  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"  
..

ShadeWiz "SFAM2-2 Shade - Left"  
ShadeDescription = "DEER Residential Surrounding"



PositionIDs[1] = 4  
BDL\_X = -45.1365  
BDL\_Y = 236.046  
BDL\_Z = 0  
BDL\_Height = 10  
BDL\_Width = 33.6365  
BDL\_Azimuth = 270  
BDL\_Tilt = 90  
BDL\_TransSched = "DEER Res Monthly Shade Sched"

..

FacetWiz "SFAM2-2 Facet 1"  
ParentZoneldx = 0  
SegmentNumber = 0

..

WinWiz "SFAM2-2 Window 1"  
X = 1  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 2"  
X = 5.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 3"  
X = 10  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 4"  
X = 14.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

FacetWiz "SFAM2-2 Facet 2"  
ParentZoneldx = 0  
SegmentNumber = 2

..

WinWiz "SFAM2-2 Window 5"  
X = 1  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 6"  
X = 5.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 7"  
X = 10  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 8"  
X = 14.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

FacetWiz "SFAM2-2 Facet 3"  
ParentZoneldx = 0  
SegmentNumber = 3

..

WinWiz "SFAM2-2 Window 9"  
X = 2  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0

IsDoor = 0  
GlassTypeldx = 0

..

DoorWiz "SFAM2-2 Door 1"

X = 8  
Y = 0  
Width = 3  
Height = 6.7  
FrameWidth = 0  
DoorTypeldx = 0

..

FacetWiz "SFAM2-2 Facet 4"

ParentZoneldx = 1  
SegmentNumber = 0

..

WinWiz "SFAM2-2 Window 10"

X = 1  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 11"

X = 5.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 12"

X = 10  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

WinWiz "SFAM2-2 Window 13"

X = 14.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeldx = 0

..

FacetWiz "SFAM2-2 Facet 5"  
ParentZoneIdx = 1  
SegmentNumber = 1

..

WinWiz "SFAM2-2 Window 14"  
X = 2  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

DoorWiz "SFAM2-2 Door 2"  
X = 8  
Y = 0  
Width = 3  
Height = 6.7  
FrameWidth = 0  
DoorTypeIdx = 0

..

FacetWiz "SFAM2-2 Facet 6"  
ParentZoneIdx = 1  
SegmentNumber = 3

..

WinWiz "SFAM2-2 Window 15"  
X = 1  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2-2 Window 16"  
X = 5.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2-2 Window 17"  
X = 10  
Y = 3.5  
Width = 2.23805  
Height = 4

..

FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

WinWiz "SFAM2-2 Window 18"

X = 14.5  
Y = 3.5  
Width = 2.23805  
Height = 4  
FrameWidth = 0  
IsDoor = 0  
GlassTypeIdx = 0

..

FacetWiz "SFAM2-2 Facet 7"

ParentZoneIdx = 2  
SegmentNumber = 2

..

DoorWiz "SFAM2-2 Door 3"

X = 1  
Y = 0  
Width = 12  
Height = 7.5  
FrameWidth = 0  
DoorTypeIdx = 1

..

FacetWiz "SFAM2-2 Facet 8"

ParentZoneIdx = 3  
SegmentNumber = 0

..

DoorWiz "SFAM2-2 Door 4"

X = 1  
Y = 0  
Width = 12  
Height = 7.5  
FrameWidth = 0  
DoorTypeIdx = 1

..

ShapeWiz "EL8 Res-Bedroom (A1) InsLtg (S1)"

..

ShapeWiz "EL8 Res-Living (A2) InsLtg (S1)"

..

ShapeWiz "EL8 Res-Garage (A3) InsLtg (S1)"

..

ShapeWiz "EL8 Res-Bedroom (A1) InsLtg (S2)"

..

ShapeWiz "EL8 Res-Living (A2) InsLtg (S2)"

..  
ShapeWiz "EL8 Res-Garage (A3) InsLtg (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) InsLtg (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) InsLtg (S3)"  
..  
ShapeWiz "EL8 Res-Garage (A3) InsLtg (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) OE (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) OE (S1)"  
..  
ShapeWiz "EL8 Res-Garage (A3) OE (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) OE (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) OE (S2)"  
..  
ShapeWiz "EL8 Res-Garage (A3) OE (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) OE (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) OE (S3)"  
..  
ShapeWiz "EL8 Res-Garage (A3) OE (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Cook (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) Cook (S1)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Cook (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Cook (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) Cook (S2)"  
..

ShapeWiz "EL8 Res-Garage (A3) Cook (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Cook (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) Cook (S3)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Cook (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Misc (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) Misc (S1)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Misc (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Misc (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) Misc (S2)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Misc (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Misc (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) Misc (S3)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Misc (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) DHW-1 (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) DHW-1 (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) DHW-1 (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) DHW-2 (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) DHW-2 (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) DHW-2 (S3)"  
..

ShapeWiz "EL8 Res-Bedroom (A1) DHW-3 (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-3 (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) DHW-3 (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-3 (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) DHW-3 (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-3 (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-4 (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-4 (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-4 (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-5 (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-5 (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) DHW-5 (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Occup (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) Occup (S1)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Occup (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Occup (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) Occup (S2)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Occup (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Occup (S3)"



..  
ShapeWiz "EL8 Res-Living (A2) Occup (S3)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Occup (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Mtr (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) Mtr (S1)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Mtr (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Mtr (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) Mtr (S2)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Mtr (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Mtr (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) Mtr (S3)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Mtr (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Prc (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) Prc (S1)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Prc (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Prc (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) Prc (S2)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Prc (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) Prc (S3)"  
..

ShapeWiz "EL8 Res-Living (A2) Prc (S3)"  
..  
ShapeWiz "EL8 Res-Garage (A3) Prc (S3)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) SCRfg (S1)"  
..  
ShapeWiz "EL8 Res-Living (A2) SCRfg (S1)"  
..  
ShapeWiz "EL8 Res-Garage (A3) SCRfg (S1)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) SCRfg (S2)"  
..  
ShapeWiz "EL8 Res-Living (A2) SCRfg (S2)"  
..  
ShapeWiz "EL8 Res-Garage (A3) SCRfg (S2)"  
..  
ShapeWiz "EL8 Res-Bedroom (A1) SCRfg (S3)"  
..  
ShapeWiz "EL8 Res-Living (A2) SCRfg (S3)"  
..  
ShapeWiz "EL8 Res-Garage (A3) SCRfg (S3)"  
..

RoofZone "Roof Zone 4"

NumVerts = 8  
X[1] = 2  
X[2] = 2  
X[3] = -12.3183  
X[4] = -12.3183  
X[5] = -30.6365  
X[6] = -30.6365  
X[7] = -16.3183  
X[8] = -16.3183  
Y[1] = -2  
Y[2] = 58.9548  
Y[3] = 58.9548  
Y[4] = 72.9548  
Y[5] = 72.9548  
Y[6] = 12  
Y[7] = 12  
Y[8] = -2  
Volume = 5734.07  
PeakHt = 7.60932  
PolyArea = 2045.35  
GableArea = 78.2367  
EdgeNumVerts = 8

EdgeX[1] = 2  
EdgeX[2] = 2  
EdgeX[3] = -12.3183  
EdgeX[4] = -12.3183  
EdgeX[5] = -30.6365  
EdgeX[6] = -30.6365  
EdgeX[7] = -16.3183  
EdgeX[8] = -16.3183  
EdgeY[1] = -2  
EdgeY[2] = 58.9548  
EdgeY[3] = 58.9548  
EdgeY[4] = 72.9548  
EdgeY[5] = 72.9548  
EdgeY[6] = 12  
EdgeY[7] = 12  
EdgeY[8] = -2

..

RoofWall "Roof Wall 27"

RoofZoneVert = 0  
NumVerts = 6  
X[1] = 0  
X[2] = 60.9548  
X[3] = 44.6366  
X[4] = 30.3183  
X[5] = 23.1591  
X[6] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 18.0052  
Y[4] = 18.0052  
Y[5] = 10.106  
Y[6] = 10.106  
Tilt = 25  
Azimuth = 90  
XHorz[1] = 2  
XHorz[2] = 2  
XHorz[3] = -14.3182  
XHorz[4] = -14.3182  
XHorz[5] = -7.15915  
XHorz[6] = -7.15915  
YHorz[1] = -2  
YHorz[2] = 58.9548  
YHorz[3] = 42.6366  
YHorz[4] = 28.3183  
YHorz[5] = 21.1591  
YHorz[6] = -2  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 7.60932  
ZHorz[4] = 7.60932  
ZHorz[5] = 4.27098  
ZHorz[6] = 4.27098  
XGable = 2  
YGable = -2  
SpacePolyIdx = -1

..  
RoofWall "Roof Wall 28"

RoofZoneVert = 0  
NumVerts = 4  
X[1] = 0  
X[2] = 56.9548  
X[3] = 58.9548  
X[4] = 0  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 90  
XHorz[1] = 0  
XHorz[2] = 0  
XHorz[3] = 2  
XHorz[4] = 2  
YHorz[1] = 0  
YHorz[2] = 56.9548  
YHorz[3] = 58.9548  
YHorz[4] = 0  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 29"

RoofZoneVert = 1  
NumVerts = 4  
X[1] = 0  
X[2] = 14.3183  
X[3] = 23.4774  
X[4] = 16.3182  
Y[1] = 0  
Y[2] = 0  
Y[3] = 10.1059  
Y[4] = 18.0052  
Tilt = 25  
Azimuth = 0  
XHorz[1] = 2  
XHorz[2] = -12.3183  
XHorz[3] = -21.4774  
XHorz[4] = -14.3182  
YHorz[1] = 58.9548  
YHorz[2] = 58.9548  
YHorz[3] = 49.7957  
YHorz[4] = 42.6366  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27096  
ZHorz[4] = 7.60932  
XGable = 2

YGable = 58.9548  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 30"

RoofZoneVert = 1  
NumVerts = 4  
X[1] = 0  
X[2] = 14.3183  
X[3] = 12.3183  
X[4] = -2  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 0  
XHorz[1] = 0  
XHorz[2] = -14.3183  
XHorz[3] = -12.3183  
XHorz[4] = 2  
YHorz[1] = 56.9548  
YHorz[2] = 56.9548  
YHorz[3] = 58.9548  
YHorz[4] = 58.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 31"

RoofZoneVert = 2  
NumVerts = 4  
X[1] = 0  
X[2] = 14  
X[3] = 14  
X[4] = -9.1591  
Y[1] = 0  
Y[2] = 0  
Y[3] = 10.1059  
Y[4] = 10.1059  
Tilt = 25  
Azimuth = 90  
XHorz[1] = -12.3183  
XHorz[2] = -12.3183  
XHorz[3] = -21.4774  
XHorz[4] = -21.4774  
YHorz[1] = 58.9548  
YHorz[2] = 72.9548  
YHorz[3] = 72.9548  
YHorz[4] = 49.7957  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27096

ZHorz[4] = 4.27096  
XGable = -12.3183  
YGable = 58.9548  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 32"

RoofZoneVert = 2  
NumVerts = 4  
X[1] = 0  
X[2] = 14  
X[3] = 14  
X[4] = 2  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = 90  
XHorz[1] = -14.3183  
XHorz[2] = -14.3183  
XHorz[3] = -12.3183  
XHorz[4] = -12.3183  
YHorz[1] = 56.9548  
YHorz[2] = 70.9548  
YHorz[3] = 70.9548  
YHorz[4] = 58.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 33"

RoofZoneVert = 3  
NumVerts = 3  
X[1] = 0  
X[2] = 18.3182  
X[3] = 9.1591  
Y[1] = 0  
Y[2] = 0  
Y[3] = 4.27096  
Tilt = 90  
Azimuth = 0  
XHorz[1] = -12.3183  
XHorz[2] = -30.6365  
XHorz[3] = -21.4774  
YHorz[1] = 72.9548  
YHorz[2] = 72.9548  
YHorz[3] = 72.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27096  
XGable = -12.3183  
YGable = 70.9548

SpacePolyIdx = -1

..

RoofWall "Roof Wall 34"

RoofZoneVert = 4

NumVerts = 6

X[1] = 0

X[2] = 60.9548

X[3] = 44.6366

X[4] = 30.3183

X[5] = 23.1591

X[6] = 0

Y[1] = 0

Y[2] = 0

Y[3] = 18.0052

Y[4] = 18.0052

Y[5] = 10.1059

Y[6] = 10.1059

Tilt = 25

Azimuth = -90

XHorz[1] = -30.6365

XHorz[2] = -30.6365

XHorz[3] = -14.3182

XHorz[4] = -14.3182

XHorz[5] = -21.4774

XHorz[6] = -21.4774

YHorz[1] = 72.9548

YHorz[2] = 12

YHorz[3] = 28.3183

YHorz[4] = 42.6366

YHorz[5] = 49.7957

YHorz[6] = 72.9548

ZHorz[1] = 0

ZHorz[2] = 0

ZHorz[3] = 7.60932

ZHorz[4] = 7.60932

ZHorz[5] = 4.27096

ZHorz[6] = 4.27096

XGable = -30.6365

YGable = 72.9548

SpacePolyIdx = -1

..

RoofWall "Roof Wall 35"

RoofZoneVert = 4

NumVerts = 4

X[1] = 0

X[2] = 56.9548

X[3] = 58.9548

X[4] = 0

Y[1] = 0

Y[2] = 0

Y[3] = 2

Y[4] = 2

Tilt = 180

Azimuth = -90

XHorz[1] = -28.6365  
XHorz[2] = -28.6365  
XHorz[3] = -30.6365  
XHorz[4] = -30.6365  
YHorz[1] = 70.9548  
YHorz[2] = 14  
YHorz[3] = 12  
YHorz[4] = 70.9548  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 36"

RoofZoneVert = 5  
NumVerts = 4  
X[1] = 0  
X[2] = 14.3182  
X[3] = 23.4773  
X[4] = 16.3182  
Y[1] = 0  
Y[2] = 0  
Y[3] = 10.106  
Y[4] = 18.0052  
Tilt = 25  
Azimuth = 180  
XHorz[1] = -30.6365  
XHorz[2] = -16.3183  
XHorz[3] = -7.15915  
XHorz[4] = -14.3182  
YHorz[1] = 12  
YHorz[2] = 12  
YHorz[3] = 21.1591  
YHorz[4] = 28.3183  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27098  
ZHorz[4] = 7.60932  
XGable = -30.6365  
YGable = 12  
SpacePolyIdx = -1

..

RoofWall "Roof Wall 37"

RoofZoneVert = 5  
NumVerts = 4  
X[1] = 0  
X[2] = 14.3182  
X[3] = 12.3182  
X[4] = -2  
Y[1] = 0  
Y[2] = 0  
Y[3] = 2  
Y[4] = 2



Tilt = 180  
Azimuth = 180  
XHorz[1] = -28.6365  
XHorz[2] = -14.3183  
XHorz[3] = -16.3183  
XHorz[4] = -30.6365  
YHorz[1] = 14  
YHorz[2] = 14  
YHorz[3] = 12  
YHorz[4] = 12  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 38"

RoofZoneVert = 6  
NumVerts = 4  
X[1] = 0  
X[2] = 14  
X[3] = 14  
X[4] = -9.15915  
Y[1] = 0  
Y[2] = 0  
Y[3] = 10.106  
Y[4] = 10.106  
Tilt = 25  
Azimuth = -90  
XHorz[1] = -16.3183  
XHorz[2] = -16.3183  
XHorz[3] = -7.15915  
XHorz[4] = -7.15915  
YHorz[1] = 12  
YHorz[2] = -2  
YHorz[3] = -2  
YHorz[4] = 21.1591  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27098  
ZHorz[4] = 4.27098  
XGable = -16.3183  
YGable = 12  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 39"

RoofZoneVert = 6  
NumVerts = 4  
X[1] = 0  
X[2] = 14  
X[3] = 14  
X[4] = 2  
Y[1] = 0  
Y[2] = 0

Y[3] = 2  
Y[4] = 2  
Tilt = 180  
Azimuth = -90  
XHorz[1] = -14.3183  
XHorz[2] = -14.3183  
XHorz[3] = -16.3183  
XHorz[4] = -16.3183  
YHorz[1] = 14  
YHorz[2] = 0  
YHorz[3] = 0  
YHorz[4] = 12  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 0  
ZHorz[4] = 0  
SpacePolyIdx = -1  
..

RoofWall "Roof Wall 40"

RoofZoneVert = 7  
NumVerts = 3  
X[1] = 0  
X[2] = 18.3183  
X[3] = 9.15915  
Y[1] = 0  
Y[2] = 0  
Y[3] = 4.27098  
Tilt = 90  
Azimuth = 180  
XHorz[1] = -16.3183  
XHorz[2] = 2  
XHorz[3] = -7.15915  
YHorz[1] = -2  
YHorz[2] = -2  
YHorz[3] = -2  
ZHorz[1] = 0  
ZHorz[2] = 0  
ZHorz[3] = 4.27098  
XGable = -16.3183  
YGable = 0  
SpacePolyIdx = -1  
..

AtticFlr "Attic Floor 4"

RoofZoneVert = 0  
NumVerts = 12  
X[1] = -14.3183  
X[2] = 0  
X[3] = 0  
X[4] = 0  
X[5] = 0  
X[6] = -14.3183  
X[7] = -14.3183  
X[8] = -28.6365  
X[9] = -28.6365

X[10] = -28.6365  
X[11] = -28.6365  
X[12] = -14.3183  
Y[1] = 56.9548  
Y[2] = 56.9548  
Y[3] = 35.4774  
Y[4] = 14  
Y[5] = 0  
Y[6] = 0  
Y[7] = 14  
Y[8] = 14  
Y[9] = 35.4774  
Y[10] = 56.9548  
Y[11] = 70.9548  
Y[12] = 70.9548  
Tilt = 0  
Azimuth = 180  
SpacePolyIdx = -1  
..

ConsWiz "Floor abv Crawl Space"  
Type = "Individual Layers"  
SurfaceType = "Floor above Space (crawl/cond/uncond)"  
MatType[1] = "Specify Resistance Only"  
MatType[2] = "Library Entry"  
MatType[3] = "Library Entry"  
MatLibCateg[2] = "Plywood"  
MatLibCateg[3] = "Carpet"  
MatLibSelection[2] = "Plywood, 1 Inch (PW06)"  
MatLibSelection[3] = "Carpet with Rubber Pad (CP02)"  
MatResistance[1] = 0.05  
OverallRVal = 5.509  
..

ConsWiz "Crawl Space Floor"  
Type = "Individual Layers"  
SurfaceType = "Ground Floor Slab"  
MatType[1] = "Library Entry"  
MatLibCateg[1] = "Soil"  
MatLibSelection[1] = "Light Soil, Damp 12 Inch"  
UEffective = 0.001  
..

ConsWiz "Crawl Space Wall"  
Type = "Individual Layers"  
SurfaceType = "Vertical Underground Wall"  
MatType[1] = "Library Entry"  
MatType[2] = "Library Entry"  
MatLibCateg[1] = "Soil"  
MatLibCateg[2] = "Concrete 140 lbs"  
MatLibSelection[1] = "Light Soil, Damp 12 Inch"  
MatLibSelection[2] = "Concrete, HW, Dried, 140 Lb., 6 Inch (CC04)"  
UEffective = 0.43  
..

ConsWiz "Garage Int Wall"

Type = "Individual Layers"  
SurfaceType = "Vertical Interior Wall"  
MatType[1] = "Library Entry"  
MatType[2] = "Specify Resistance Only"  
MatType[3] = "Library Entry"  
MatLibCateg[1] = "Gypsum"  
MatLibCateg[3] = "Gypsum"  
MatLibSelection[1] = "Gypsum or Plaster Board, 1/2 Inch (GP01)"  
MatLibSelection[3] = "Gypsum or Plaster Board, 1/2 Inch (GP01)"  
MatResistance[2] = 0.98  
OverallRVal = 9.92

..

ConsWiz "Garage Ext Wall"

Type = "Individual Layers"  
SurfaceType = "Vertical Exterior Wall"  
MatType[1] = "Library Entry"  
MatType[2] = "Library Entry"  
MatType[3] = "Specify Resistance Only"  
MatType[4] = "Library Entry"  
MatLibCateg[1] = "Stucco"  
MatLibCateg[2] = "Building Paper"  
MatLibCateg[4] = "Gypsum"  
MatLibSelection[1] = "Stucco, 1 Inch (SC01)"  
MatLibSelection[2] = "Building Paper, Permeable Felt (BP01)"  
MatLibSelection[4] = "Gypsum or Plaster Board, 1/2 Inch (GP01)"  
MatResistance[3] = 0.98

..

DiagData "SFAM1 Garage1 Diag Data"

..

DiagData "SFAM1 Dwelling Diag Data"

..

DiagData "SFAM1 Garage2 Diag Data"

..

DiagData "SFAM1-2 Garage1 Diag Data"

..

DiagData "SFAM1-2 Dwelling Diag Data"

..

DiagData "SFAM1-2 Garage2 Diag Data"

..

DiagData "SFAM2 Diag Data"

..

DiagData "SFAM2-2 Diag Data"

..

HVACWiz "SFAM1A System"

MasterElecMeter[1] = "EM2"  
MasterFuelMeter[1] = "FM2"

CoolSource[1] = "DX Coils"  
HeatSource[1] = "Furnace"  
HVACSysType[1] = "Split System Single Zone DX with Furnace (residential)"  
FanFlowSafetyFctr[1] = 1  
AssignShell[1] = "SFAM1 Garage1"  
AssignShell[2] = "SFAM1 Dwelling"  
AssignShell[3] = "SFAM1 Garage2"  
SFanFlowOption[1] = "Specify"  
SFanFlow[1] = 2289.5  
SFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
RFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
HFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
ModelDuctLosses[1] = 1  
DuctDeltaT[1] = -1  
DuctAirLoss[1] = 13.4  
DuctAirLossOA[1] = 0.1  
SupplyDuctUA[1] = 154.199  
ReturnDuctUA[1] = 87.8625  
SpecifyCoolCap[1] = "Specify"  
DesCoolCapacity[1] = 5.78859  
SpecifyHeatCap[1] = "Specify"  
DesHeatCapacity[1] = 108.377  
OldFurnAFUEflt = ( 1, 1 )  
DesCoolEffUnits[1] = "SEER"  
DesCoolEff[1] = 10  
DesHeatEffUnits[1] = "AFUE"  
DesHeatEff[1] = 0.78  
AllowCrankcaseHt[1] = 0  
CoolOccTemp[1] = 78  
CoolUnoccTemp[1] = 78  
HeatOccTemp[1] = 68  
HeatUnoccTemp[1] = 68  
MinSupplyTemp[1] = 40  
CoolTempSchLib = "DEER Res TStat Cooling Sch"  
HeatTempSchLib = "DEER Res TStat Heating Sch"  
MinAllowedAirflow[1] = 0  
EconoLowLimitT[1] = -999  
Sys1FanOnSeas1[1] = "On 24 hrs."  
Sys1FanOnSeas1[2] = "On 24 hrs."  
Sys1FanOnSeas1[3] = "On 24 hrs."  
Sys1FanOnSeas1[4] = "On 24 hrs."  
Sys1FanOnSeas1[5] = "On 24 hrs."  
Sys1FanOnSeas1[6] = "On 24 hrs."  
Sys1FanOnSeas1[7] = "On 24 hrs."  
Sys1FanOnSeas1[8] = "On 24 hrs."  
Sys1FanOnSeas2[1] = "On 24 hrs."  
Sys1FanOnSeas2[2] = "On 24 hrs."  
Sys1FanOnSeas2[3] = "On 24 hrs."  
Sys1FanOnSeas2[4] = "On 24 hrs."  
Sys1FanOnSeas2[5] = "On 24 hrs."  
Sys1FanOnSeas2[6] = "On 24 hrs."  
Sys1FanOnSeas2[7] = "On 24 hrs."  
Sys1FanOnSeas2[8] = "On 24 hrs."  
Sys1FanOnSeas3[1] = "On 24 hrs."  
Sys1FanOnSeas3[2] = "On 24 hrs."  
Sys1FanOnSeas3[3] = "On 24 hrs."

Sys1FanOnSeas3[4] = "On 24 hrs."  
 Sys1FanOnSeas3[5] = "On 24 hrs."  
 Sys1FanOnSeas3[6] = "On 24 hrs."  
 Sys1FanOnSeas3[7] = "On 24 hrs."  
 Sys1FanOnSeas3[8] = "On 24 hrs."  
 SystemPerWhat[1] = "System per Site"  
 DXSystemType[1] = "Air-Cooled Split System AC/HP"  
 DXUnitSizeCateg[1] = "< 65 kBtuh or 5.4 tons"  
 DXCondenserType[1] = "Air-Cooled"  
 BDLSysSizingRats[1] = 1  
 BDLSysSizingRats[2] = 1  
 BDLSysSizingRats[3] = 1  
 SysCoolingEIR[1] = 0.3103  
 SysSupplyStatic[1] = -999  
 SysFanControl[1] = 11  
 SysFanEirFplr[1] = "Residential Fix Vol-Fan EIR"  
 DesCoolSHCapacity[1] = 4.28992  
 SysAirTempCtrl[1] = "TWO-SPEED"  
 SysMinOutsideAir[1] = 0  
 SysCoilBF[1] = 0.18  
 SysCoolCap\_ft[1] = ""  
 SysCoolSH\_ft[1] = ""  
 SysCoolEIR\_ft[1] = ""  
 SysCoolCL\_fPLR[1] = ""  
 SysCoilBF\_ft[1] = ""  
 SysCoilBF\_fFlow[1] = ""  
 SysCoolEIR\_fPLR[1] = ""  
 ModelNaturalVent[1] = 1  
 NatVentOption[1] = "Library Schedules"  
 NatVentOnBDLSch[1] = "DEER Res Nat Vent On Sch"  
 NatVentTempBDLSch[1] = "DEER Res Nat Vent Temp Sch"  
 NatVentOpenBDLSch[1] = "DEER Res Nat Vent Open Sch"  
 NatVentMethod[1] = "Air Change"  
 NatVentRate[1] = 3  
 MsrApplicable[1] = 1  
 MsrStorage[30] = 69  
 MsrRunVals\_airAC = ( 11009, 0, 10, 9.31, 0.3103, 0.365, -999, 1, 78,  
 1.24155 )  
 DetDXEquipType[1] = "Split AC, SEER 10, High EER Slope, High Degrad. Coef"  
 DetDXEquipAbrev[1] = "SA-10-HH"  
 DetDXCoolEffUnits[1] = "SEER"  
 DetDXCIRtdWBT[1] = 67  
 DetDXCIRtdDBT[1] = 95  
 DetDXCOffRtdWBT[1] = 67  
 DetDXCOffRtdDBT[1] = 82  
 DetDXCoolSEER[1] = 10  
 DetDXCoolEER[1] = 9.31  
 DetDXCoolCap[1] = 41713  
 DetDXCISensTotRat[1] = 0.7411  
 DetDXCoolEIR[1] = 0.3103  
 DetDXCFMPerBTUH[1] = 0.03296  
 DetDXFanWPerCFM[1] = 0.365  
 DetDXCoolCapFTCoef[1] = 2.432  
 DetDXCoolCapFTCoef[2] = -0.05654  
 DetDXCoolCapFTCoef[3] = 0.0006515  
 DetDXCoolCapFTCoef[4] = 0.003925

DetDXCoolCapFTCoeff[5] = -2.167e-006  
DetDXCoolCapFTCoeff[6] = -0.0001448  
DetDXCoolCapFTLim[1] = 55  
DetDXCoolCapFTLim[2] = 70  
DetDXCoolCapFTLim[3] = 55  
DetDXCoolCapFTLim[4] = 120  
DetDXCoolSHFTCoeff[1] = -1.812  
DetDXCoolSHFTCoeff[2] = 0.1503  
DetDXCoolSHFTCoeff[3] = -0.001537  
DetDXCoolSHFTCoeff[4] = -0.01766  
DetDXCoolSHFTCoeff[5] = -2.667e-006  
DetDXCoolSHFTCoeff[6] = 0.0002113  
DetDXCoolSHFTLim[1] = 55  
DetDXCoolSHFTLim[2] = 70  
DetDXCoolSHFTLim[3] = 55  
DetDXCoolSHFTLim[4] = 120  
DetDXCoolEIRFTCoeff[1] = -0.5725  
DetDXCoolEIRFTCoeff[2] = 0.04007  
DetDXCoolEIRFTCoeff[3] = -0.0003497  
DetDXCoolEIRFTCoeff[4] = -0.0003909  
DetDXCoolEIRFTCoeff[5] = 8.108e-005  
DetDXCoolEIRFTCoeff[6] = -3.726e-005  
DetDXCoolEIRFTLim[1] = 55  
DetDXCoolEIRFTLim[2] = 70  
DetDXCoolEIRFTLim[3] = 55  
DetDXCoolEIRFTLim[4] = 120  
DetDXCoilBFFTCoeff[1] = 40.3  
DetDXCoilBFFTCoeff[2] = -1.115  
DetDXCoilBFFTCoeff[3] = 0.00788  
DetDXCoilBFFTCoeff[4] = 1e-012  
DetDXCoilBFFTCoeff[5] = 1e-012  
DetDXCoilBFFTCoeff[6] = 1e-012  
DetDXCoilBFFTLim[1] = 55  
DetDXCoilBFFTLim[2] = 70  
DetDXCoilBFFTLim[3] = 55  
DetDXCoilBFFTLim[4] = 120  
DetDXCoilBFFTMin[1] = 0  
DetDXCoilBFFTMax[1] = 2.22222  
DetDXCIEIRFPLRCoeff[1] = 0.0001178  
DetDXCIEIRFPLRCoeff[2] = 1.236  
DetDXCIEIRFPLRCoeff[3] = -0.3143  
DetDXCIEIRFPLRCoeff[4] = 0.07817  
DetDXCIEIRFPLRim[1] = 0  
DetDXCIEIRFPLRim[2] = 1.1  
DetDXCICisFPLRCoeff[1] = 0.8014  
DetDXCICisFPLRCoeff[2] = 0.2374  
DetDXCICisFPLRCoeff[3] = -0.03938  
DetDXCICisFPLRType[1] = "Quadratic"  
DetDXCICisFPLRim[1] = 0  
DetDXCICisFPLRim[2] = 1.1  
DetDXCICisFPLRMin[1] = -999  
DetDXCICisFPLRMax[1] = -999  
DetDXNumCompSpds[1] = 1  
DetDXLoSpdCFMRat[1] = 1  
DetDXLoSpdCapRat[1] = 1  
DetDXBFFFFlowCoeff[1] = 1

DetDXBFFFlowCoef[2] = 0  
DetDXBFFFlowMin[1] = 0  
DetDXBFFFlowMax[1] = 1  
DetDXCondFanElec[1] = -999  
DetDXOFnCFLTCoef[1] = -1  
DetDXOFnCFLTCoef[2] = -1  
DetDXOFnCFLTCoef[3] = -1  
DetDXOFnCFLTCoef[4] = -1  
DetDXOFnCFLTMin[1] = -999  
DetDXOFnCFLTMax[1] = -999  
DetHPHeatHSPF[1] = -1  
DetHPHeatEIR[1] = -1  
DetHPHeatCOP47[1] = -1  
DetHPHeatCap[1] = -1  
DetHPHeatCapFTCoef[1] = -1  
DetHPHeatCapFTCoef[2] = -1  
DetHPHeatCapFTCoef[3] = -1  
DetHPHeatCapFTCoef[4] = -1  
DetHPHeatCapFTCoef[5] = -1  
DetHPHeatCapFTCoef[6] = -1  
DetHPHeatEIRFTCoef[1] = -1  
DetHPHeatEIRFTCoef[2] = -1  
DetHPHeatEIRFTCoef[3] = -1  
DetHPHeatEIRFTCoef[4] = -1  
DetHPHeatEIRFTCoef[5] = -1  
DetHPHeatEIRFTCoef[6] = -1  
DetHPHtEIRFPLRCoef[1] = -1  
DetHPHtEIRFPLRCoef[2] = -1  
DetHPHtEIRFPLRCoef[3] = -1  
DetHPHtEIRFPLRCoef[4] = -1  
SysSupKWPerFlow[1] = 0.000365  
SysSupplyDeltaT[1] = 1.1534

..

HVACWiz "SFAM2A System"  
MasterElecMeter[1] = "EM1"  
MasterFuelMeter[1] = "FM1"  
CoolSource[1] = "DX Coils"  
HeatSource[1] = "Furnace"  
HVACSysType[1] = "Split System Single Zone DX with Furnace (residential)"  
FanFlowSafetyFctr[1] = 1  
AssignShell[1] = "SFAM2"  
SFanFlowOption[1] = "Specify"  
SFanFlow[1] = 1144.75  
SFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
RFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
HFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
ModelDuctLosses[1] = 1  
DuctDeltaT[1] = -1  
DuctAirLoss[1] = 15  
DuctAirLossOA[1] = 0.1  
SupplyDuctUA[1] = 118.614  
ReturnDuctUA[1] = 21.9656  
SpecifyCoolCap[1] = "Specify"  
DesCoolCapacity[1] = 2.89429  
SpecifyHeatCap[1] = "Specify"



DesHeatCapacity[1] = 54.1883  
OldFurnAFUEflt = ( 1, 1 )  
DesCoolEffUnits[1] = "SEER"  
DesCoolEff[1] = 10  
DesHeatEffUnits[1] = "AFUE"  
DesHeatEff[1] = 0.78  
AllowCrankcaseHt[1] = 0  
CoolOccTemp[1] = 78  
CoolUnoccTemp[1] = 78  
HeatOccTemp[1] = 68  
HeatUnoccTemp[1] = 68  
MinSupplyTemp[1] = 40  
CoolTempSchLib = "DEER Res TStat Cooling Sch"  
HeatTempSchLib = "DEER Res TStat Heating Sch"  
MinAllowedAirflow[1] = 0  
EconoLowLimitT[1] = -999  
Sys1FanOnSeas1[1] = "On 24 hrs."  
Sys1FanOnSeas1[2] = "On 24 hrs."  
Sys1FanOnSeas1[3] = "On 24 hrs."  
Sys1FanOnSeas1[4] = "On 24 hrs."  
Sys1FanOnSeas1[5] = "On 24 hrs."  
Sys1FanOnSeas1[6] = "On 24 hrs."  
Sys1FanOnSeas1[7] = "On 24 hrs."  
Sys1FanOnSeas1[8] = "On 24 hrs."  
Sys1FanOnSeas2[1] = "On 24 hrs."  
Sys1FanOnSeas2[2] = "On 24 hrs."  
Sys1FanOnSeas2[3] = "On 24 hrs."  
Sys1FanOnSeas2[4] = "On 24 hrs."  
Sys1FanOnSeas2[5] = "On 24 hrs."  
Sys1FanOnSeas2[6] = "On 24 hrs."  
Sys1FanOnSeas2[7] = "On 24 hrs."  
Sys1FanOnSeas2[8] = "On 24 hrs."  
Sys1FanOnSeas3[1] = "On 24 hrs."  
Sys1FanOnSeas3[2] = "On 24 hrs."  
Sys1FanOnSeas3[3] = "On 24 hrs."  
Sys1FanOnSeas3[4] = "On 24 hrs."  
Sys1FanOnSeas3[5] = "On 24 hrs."  
Sys1FanOnSeas3[6] = "On 24 hrs."  
Sys1FanOnSeas3[7] = "On 24 hrs."  
Sys1FanOnSeas3[8] = "On 24 hrs."  
SystemPerWhat[1] = "System per Site"  
DXSystemType[1] = "Air-Cooled Split System AC/HP"  
DXUnitSizeCateg[1] = "< 65 kBtuh or 5.4 tons"  
DXCondenserType[1] = "Air-Cooled"  
BDLSysSizingRats[1] = 1  
BDLSysSizingRats[2] = 1  
BDLSysSizingRats[3] = 1  
SysCoolingEIR[1] = 0.3103  
SysSupplyStatic[1] = -999  
SysFanControl[1] = 11  
SysFanEirFplr[1] = "Residential Fix Vol-Fan EIR"  
DesCoolSHCapacity[1] = 2.14496  
SysAirTempCtr[1] = "TWO-SPEED"  
SysMinOutsideAir[1] = 0  
SysCoilBF[1] = 0.18  
SysCoolCap\_ft[1] = ""

SysCoolSH\_ft[1] = ""  
 SysCoolEIR\_ft[1] = ""  
 SysCoolCL\_fPLR[1] = ""  
 SysCoilBF\_ft[1] = ""  
 SysCoilBF\_fFlow[1] = ""  
 SysCoolEIR\_fPLR[1] = ""  
 ModelNaturalVent[1] = 1  
 NatVentOption[1] = "Library Schedules"  
 NatVentOnBDLSch[1] = "DEER Res Nat Vent On Sch"  
 NatVentTempBDLSch[1] = "DEER Res Nat Vent Temp Sch"  
 NatVentOpenBDLSch[1] = "DEER Res Nat Vent Open Sch"  
 NatVentMethod[1] = "Air Change"  
 NatVentRate[1] = 3  
 MsrApplicable[1] = 1  
 MsrStorage[30] = 69  
 MsrRunVals\_airAC[1] = 0  
 DetDXEquipType[1] = "Split AC, SEER 10, High EER Slope, High Degrad. Coef"  
 DetDXEquipAbrev[1] = "SA-10-HH"  
 DetDXCoolEffUnits[1] = "SEER"  
 DetDXCIRtdWBT[1] = 67  
 DetDXCIRtdDBT[1] = 95  
 DetDXCOffRtdWBT[1] = 67  
 DetDXCOffRtdDBT[1] = 82  
 DetDXCoolSEER[1] = 10  
 DetDXCoolEER[1] = 9.31  
 DetDXCoolCap[1] = 41713  
 DetDXCISensTotRat[1] = 0.7411  
 DetDXCoolEIR[1] = 0.3103  
 DetDXCFMPerBTUH[1] = 0.03296  
 DetDXFanWPerCFM[1] = 0.365  
 DetDXCoolCapFTCoef[1] = 2.432  
 DetDXCoolCapFTCoef[2] = -0.05654  
 DetDXCoolCapFTCoef[3] = 0.0006515  
 DetDXCoolCapFTCoef[4] = 0.003925  
 DetDXCoolCapFTCoef[5] = -2.167e-006  
 DetDXCoolCapFTCoef[6] = -0.0001448  
 DetDXCoolCapFTLim[1] = 55  
 DetDXCoolCapFTLim[2] = 70  
 DetDXCoolCapFTLim[3] = 55  
 DetDXCoolCapFTLim[4] = 120  
 DetDXCoolSHFTCoef[1] = -1.812  
 DetDXCoolSHFTCoef[2] = 0.1503  
 DetDXCoolSHFTCoef[3] = -0.001537  
 DetDXCoolSHFTCoef[4] = -0.01766  
 DetDXCoolSHFTCoef[5] = -2.667e-006  
 DetDXCoolSHFTCoef[6] = 0.0002113  
 DetDXCoolSHFTLim[1] = 55  
 DetDXCoolSHFTLim[2] = 70  
 DetDXCoolSHFTLim[3] = 55  
 DetDXCoolSHFTLim[4] = 120  
 DetDXCoolEIRFTCoef[1] = -0.5725  
 DetDXCoolEIRFTCoef[2] = 0.04007  
 DetDXCoolEIRFTCoef[3] = -0.0003497  
 DetDXCoolEIRFTCoef[4] = -0.0003909  
 DetDXCoolEIRFTCoef[5] = 8.108e-005  
 DetDXCoolEIRFTCoef[6] = -3.726e-005

DetDXCoolEIRFTILim[1] = 55  
 DetDXCoolEIRFTILim[2] = 70  
 DetDXCoolEIRFTILim[3] = 55  
 DetDXCoolEIRFTILim[4] = 120  
 DetDXCoilBFFTCoeff[1] = 40.3  
 DetDXCoilBFFTCoeff[2] = -1.115  
 DetDXCoilBFFTCoeff[3] = 0.00788  
 DetDXCoilBFFTCoeff[4] = 1e-012  
 DetDXCoilBFFTCoeff[5] = 1e-012  
 DetDXCoilBFFTCoeff[6] = 1e-012  
 DetDXCoilBFFTLim[1] = 55  
 DetDXCoilBFFTLim[2] = 70  
 DetDXCoilBFFTLim[3] = 55  
 DetDXCoilBFFTLim[4] = 120  
 DetDXCoilBFFTMin[1] = 0  
 DetDXCoilBFFTMax[1] = 2.22222  
 DetDXCIEIRFPLRCoeff[1] = 0.0001178  
 DetDXCIEIRFPLRCoeff[2] = 1.236  
 DetDXCIEIRFPLRCoeff[3] = -0.3143  
 DetDXCIEIRFPLRCoeff[4] = 0.07817  
 DetDXCIEIRFPLRILim[1] = 0  
 DetDXCIEIRFPLRILim[2] = 1.1  
 DetDXCICIsFPLRCoeff[1] = 0.8014  
 DetDXCICIsFPLRCoeff[2] = 0.2374  
 DetDXCICIsFPLRCoeff[3] = -0.03938  
 DetDXCICIsFPLRType[1] = "Quadratic"  
 DetDXCICIsFPLRILim[1] = 0  
 DetDXCICIsFPLRILim[2] = 1.1  
 DetDXCICIsFPLRMin[1] = -999  
 DetDXCICIsFPLRMax[1] = -999  
 DetDXNumCompSpds[1] = 1  
 DetDXLoSpdCFMRat[1] = 1  
 DetDXLoSpdCapRat[1] = 1  
 DetDXBFFFFlowCoeff[1] = 1  
 DetDXBFFFFlowCoeff[2] = 0  
 DetDXBFFFFlowMin[1] = 0  
 DetDXBFFFFlowMax[1] = 1  
 DetDXCondFanElec[1] = -999  
 DetDXOFnCFLTCoef[1] = -1  
 DetDXOFnCFLTCoef[2] = -1  
 DetDXOFnCFLTCoef[3] = -1  
 DetDXOFnCFLTCoef[4] = -1  
 DetDXOFnCFLTMin[1] = -999  
 DetDXOFnCFLTMax[1] = -999  
 DetHPHeatHSPF[1] = -1  
 DetHPHeatEIR[1] = -1  
 DetHPHeatCOP47[1] = -1  
 DetHPHeatCap[1] = -1  
 DetHPHeatCapFTCoef[1] = -1  
 DetHPHeatCapFTCoef[2] = -1  
 DetHPHeatCapFTCoef[3] = -1  
 DetHPHeatCapFTCoef[4] = -1  
 DetHPHeatCapFTCoef[5] = -1  
 DetHPHeatCapFTCoef[6] = -1  
 DetHPHeatEIRFTCoef[1] = -1  
 DetHPHeatEIRFTCoef[2] = -1

DetHPHeatEIRFTCoef[3] = -1  
DetHPHeatEIRFTCoef[4] = -1  
DetHPHeatEIRFTCoef[5] = -1  
DetHPHeatEIRFTCoef[6] = -1  
DetHPHtEIRFPLRCoef[1] = -1  
DetHPHtEIRFPLRCoef[2] = -1  
DetHPHtEIRFPLRCoef[3] = -1  
DetHPHtEIRFPLRCoef[4] = -1  
SysSupKWPerFlow[1] = 0.000365  
SysSupplyDeltaT[1] = 1.1534

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#### HVACWiz "SFAM1B System"

MasterElecMeter[1] = "EM2"  
MasterFuelMeter[1] = "FM2"  
CoolSource[1] = "DX Coils"  
HeatSource[1] = "Furnace"  
HVACSysType[1] = "Split System Single Zone DX with Furnace (residential)"  
FanFlowSafetyFctr[1] = 1  
AssignShell[1] = "SFAM1-2 Garage1"  
AssignShell[2] = "SFAM1-2 Dwelling"  
AssignShell[3] = "SFAM1-2 Garage2"  
SFanFlowOption[1] = "Specify"  
SFanFlow[1] = 2289.5  
SFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
RFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
HFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
ModelDuctLosses[1] = 1  
DuctDeltaT[1] = -1  
DuctAirLoss[1] = 13.4  
DuctAirLossOA[1] = 0.1  
SupplyDuctUA[1] = 154.199  
ReturnDuctUA[1] = 87.8625  
SpecifyCoolCap[1] = "Specify"  
DesCoolCapacity[1] = 5.78859  
SpecifyHeatCap[1] = "Specify"  
DesHeatCapacity[1] = 108.377  
OldFurnAFUEflt = ( 1, 1 )  
DesCoolEffUnits[1] = "SEER"  
DesCoolEff[1] = 10  
DesHeatEffUnits[1] = "AFUE"  
DesHeatEff[1] = 0.78  
AllowCrankcaseHt[1] = 0  
CoolOccTemp[1] = 78  
CoolUnoccTemp[1] = 78  
HeatOccTemp[1] = 68  
HeatUnoccTemp[1] = 68  
MinSupplyTemp[1] = 40  
CoolTempSchLib = "DEER Res TStat Cooling Sch"  
HeatTempSchLib = "DEER Res TStat Heating Sch"  
MinAllowedAirflow[1] = 0  
EconoLowLimitT[1] = -999  
Sys1FanOnSeas1[1] = "On 24 hrs."  
Sys1FanOnSeas1[2] = "On 24 hrs."  
Sys1FanOnSeas1[3] = "On 24 hrs."  
Sys1FanOnSeas1[4] = "On 24 hrs."

Sys1FanOnSeas1[5] = "On 24 hrs."  
 Sys1FanOnSeas1[6] = "On 24 hrs."  
 Sys1FanOnSeas1[7] = "On 24 hrs."  
 Sys1FanOnSeas1[8] = "On 24 hrs."  
 Sys1FanOnSeas2[1] = "On 24 hrs."  
 Sys1FanOnSeas2[2] = "On 24 hrs."  
 Sys1FanOnSeas2[3] = "On 24 hrs."  
 Sys1FanOnSeas2[4] = "On 24 hrs."  
 Sys1FanOnSeas2[5] = "On 24 hrs."  
 Sys1FanOnSeas2[6] = "On 24 hrs."  
 Sys1FanOnSeas2[7] = "On 24 hrs."  
 Sys1FanOnSeas2[8] = "On 24 hrs."  
 Sys1FanOnSeas3[1] = "On 24 hrs."  
 Sys1FanOnSeas3[2] = "On 24 hrs."  
 Sys1FanOnSeas3[3] = "On 24 hrs."  
 Sys1FanOnSeas3[4] = "On 24 hrs."  
 Sys1FanOnSeas3[5] = "On 24 hrs."  
 Sys1FanOnSeas3[6] = "On 24 hrs."  
 Sys1FanOnSeas3[7] = "On 24 hrs."  
 Sys1FanOnSeas3[8] = "On 24 hrs."  
 SystemPerWhat[1] = "System per Site"  
 DXSystemType[1] = "Air-Cooled Split System AC/HP"  
 DXUnitSizeCateg[1] = "< 65 kBtuh or 5.4 tons"  
 DXCondenserType[1] = "Air-Cooled"  
 BDLSysSizingRats[1] = 1  
 BDLSysSizingRats[2] = 1  
 BDLSysSizingRats[3] = 1  
 SysCoolingEIR[1] = 0.3103  
 SysSupplyStatic[1] = -999  
 SysFanControl[1] = 11  
 SysFanEirFplr[1] = "Residential Fix Vol-Fan EIR"  
 DesCoolSHCapacity[1] = 4.28992  
 SysAirTempCtrl[1] = "TWO-SPEED"  
 SysMinOutsideAir[1] = 0  
 SysCoilBF[1] = 0.18  
 SysCoolCap\_ft[1] = ""  
 SysCoolSH\_ft[1] = ""  
 SysCoolEIR\_ft[1] = ""  
 SysCoolCL\_fPLR[1] = ""  
 SysCoilBF\_ft[1] = ""  
 SysCoilBF\_fFlow[1] = ""  
 SysCoolEIR\_fPLR[1] = ""  
 ModelNaturalVent[1] = 1  
 NatVentOption[1] = "Library Schedules"  
 NatVentOnBDLSch[1] = "DEER Res Nat Vent On Sch"  
 NatVentTempBDLSch[1] = "DEER Res Nat Vent Temp Sch"  
 NatVentOpenBDLSch[1] = "DEER Res Nat Vent Open Sch"  
 NatVentMethod[1] = "Air Change"  
 NatVentRate[1] = 3  
 MsrApplicable[1] = 1  
 MsrStorage[30] = 69  
 MsrRunVals\_airAC[1] = 0  
 DetDXEquipType[1] = "Split AC, SEER 10, High EER Slope, High Degrad. Coef"  
 DetDXEquipAbrev[1] = "SA-10-HH"  
 DetDXCoolEffUnits[1] = "SEER"  
 DetDXCIRtdWBT[1] = 67

DetDXCIRtdDBT[1] = 95  
DetDXCOffRtdWBT[1] = 67  
DetDXCOffRtdDBT[1] = 82  
DetDXCoolSEER[1] = 10  
DetDXCoolEER[1] = 9.31  
DetDXCoolCap[1] = 41713  
DetDXCISensTotRat[1] = 0.7411  
DetDXCoolEIR[1] = 0.3103  
DetDXCFMPerBTUH[1] = 0.03296  
DetDXFanWPerCFM[1] = 0.365  
DetDXCoolCapFTCoef[1] = 2.432  
DetDXCoolCapFTCoef[2] = -0.05654  
DetDXCoolCapFTCoef[3] = 0.0006515  
DetDXCoolCapFTCoef[4] = 0.003925  
DetDXCoolCapFTCoef[5] = -2.167e-006  
DetDXCoolCapFTCoef[6] = -0.0001448  
DetDXCoolCapFTLim[1] = 55  
DetDXCoolCapFTLim[2] = 70  
DetDXCoolCapFTLim[3] = 55  
DetDXCoolCapFTLim[4] = 120  
DetDXCoolSHFTCoef[1] = -1.812  
DetDXCoolSHFTCoef[2] = 0.1503  
DetDXCoolSHFTCoef[3] = -0.001537  
DetDXCoolSHFTCoef[4] = -0.01766  
DetDXCoolSHFTCoef[5] = -2.667e-006  
DetDXCoolSHFTCoef[6] = 0.0002113  
DetDXCoolSHFTLim[1] = 55  
DetDXCoolSHFTLim[2] = 70  
DetDXCoolSHFTLim[3] = 55  
DetDXCoolSHFTLim[4] = 120  
DetDXCoolEIRFTCoef[1] = -0.5725  
DetDXCoolEIRFTCoef[2] = 0.04007  
DetDXCoolEIRFTCoef[3] = -0.0003497  
DetDXCoolEIRFTCoef[4] = -0.0003909  
DetDXCoolEIRFTCoef[5] = 8.108e-005  
DetDXCoolEIRFTCoef[6] = -3.726e-005  
DetDXCoolEIRFTLim[1] = 55  
DetDXCoolEIRFTLim[2] = 70  
DetDXCoolEIRFTLim[3] = 55  
DetDXCoolEIRFTLim[4] = 120  
DetDXCoilBFFTCoef[1] = 40.3  
DetDXCoilBFFTCoef[2] = -1.115  
DetDXCoilBFFTCoef[3] = 0.00788  
DetDXCoilBFFTCoef[4] = 1e-012  
DetDXCoilBFFTCoef[5] = 1e-012  
DetDXCoilBFFTCoef[6] = 1e-012  
DetDXCoilBFFTLim[1] = 55  
DetDXCoilBFFTLim[2] = 70  
DetDXCoilBFFTLim[3] = 55  
DetDXCoilBFFTLim[4] = 120  
DetDXCoilBFFTMin[1] = 0  
DetDXCoilBFFTMax[1] = 2.22222  
DetDXCIEIRFPLRCoef[1] = 0.0001178  
DetDXCIEIRFPLRCoef[2] = 1.236  
DetDXCIEIRFPLRCoef[3] = -0.3143  
DetDXCIEIRFPLRCoef[4] = 0.07817

DetDXCIEIRFPLRLim[1] = 0  
DetDXCIEIRFPLRLim[2] = 1.1  
DetDXCICIsFPLRCoeff[1] = 0.8014  
DetDXCICIsFPLRCoeff[2] = 0.2374  
DetDXCICIsFPLRCoeff[3] = -0.03938  
DetDXCICIsFPLRType[1] = "Quadratic"  
DetDXCICIsFPLRLim[1] = 0  
DetDXCICIsFPLRLim[2] = 1.1  
DetDXCICIsFPLRMin[1] = -999  
DetDXCICIsFPLRMax[1] = -999  
DetDXNumCompSpds[1] = 1  
DetDXLoSpdCFMRat[1] = 1  
DetDXLoSpdCapRat[1] = 1  
DetDXBFFFFlowCoeff[1] = 1  
DetDXBFFFFlowCoeff[2] = 0  
DetDXBFFFFlowMin[1] = 0  
DetDXBFFFFlowMax[1] = 1  
DetDXCondFanElec[1] = -999  
DetDXOFnCFLTCoef[1] = -1  
DetDXOFnCFLTCoef[2] = -1  
DetDXOFnCFLTCoef[3] = -1  
DetDXOFnCFLTCoef[4] = -1  
DetDXOFnCFLTMin[1] = -999  
DetDXOFnCFLTMax[1] = -999  
DetHPHeatHSPF[1] = -1  
DetHPHeatEIR[1] = -1  
DetHPHeatCOP47[1] = -1  
DetHPHeatCap[1] = -1  
DetHPHeatCapFTCoef[1] = -1  
DetHPHeatCapFTCoef[2] = -1  
DetHPHeatCapFTCoef[3] = -1  
DetHPHeatCapFTCoef[4] = -1  
DetHPHeatCapFTCoef[5] = -1  
DetHPHeatCapFTCoef[6] = -1  
DetHPHeatEIRFTCoef[1] = -1  
DetHPHeatEIRFTCoef[2] = -1  
DetHPHeatEIRFTCoef[3] = -1  
DetHPHeatEIRFTCoef[4] = -1  
DetHPHeatEIRFTCoef[5] = -1  
DetHPHeatEIRFTCoef[6] = -1  
DetHPHtEIRFPLRCoeff[1] = -1  
DetHPHtEIRFPLRCoeff[2] = -1  
DetHPHtEIRFPLRCoeff[3] = -1  
DetHPHtEIRFPLRCoeff[4] = -1  
SysSupKWPerFlow[1] = 0.000365  
SysSupplyDeitaT[1] = 1.1534

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HVACWiz "SFAM2B System"  
MasterElecMeter[1] = "EM1"  
MasterFuelMeter[1] = "FM1"  
CoolSource[1] = "DX Coils"  
HeatSource[1] = "Furnace"  
HVACSysType[1] = "Split System Single Zone DX with Furnace (residential)"  
FanFlowSafetyFctr[1] = 1  
AssignShell[1] = "SFAM2-2"

SFanFlowOption[1] = "Specify"  
SFanFlow[1] = 1144.75  
SFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
RFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
HFanType[1] = "Forward Curved Centrifugal w/ Discharge Dampers"  
ModelDuctLosses[1] = 1  
DuctDeltaT[1] = -1  
DuctAirLoss[1] = 15  
DuctAirLossOA[1] = 0.1  
SupplyDuctUA[1] = 118.614  
ReturnDuctUA[1] = 21.9656  
SpecifyCoolCap[1] = "Specify"  
DesCoolCapacity[1] = 2.89429  
SpecifyHeatCap[1] = "Specify"  
DesHeatCapacity[1] = 54.1883  
OldFurnAFUEflt = ( 1, 1 )  
DesCoolEffUnits[1] = "SEER"  
DesCoolEff[1] = 10  
DesHeatEffUnits[1] = "AFUE"  
DesHeatEff[1] = 0.78  
AllowCrankcaseHt[1] = 0  
CoolOccTemp[1] = 78  
CoolUnoccTemp[1] = 78  
HeatOccTemp[1] = 68  
HeatUnoccTemp[1] = 68  
MinSupplyTemp[1] = 40  
CoolTempSchLib = "DEER Res TStat Cooling Sch"  
HeatTempSchLib = "DEER Res TStat Heating Sch"  
MinAllowedAirflow[1] = 0  
EconoLowLimitT[1] = -999  
Sys1FanOnSeas1[1] = "On 24 hrs."  
Sys1FanOnSeas1[2] = "On 24 hrs."  
Sys1FanOnSeas1[3] = "On 24 hrs."  
Sys1FanOnSeas1[4] = "On 24 hrs."  
Sys1FanOnSeas1[5] = "On 24 hrs."  
Sys1FanOnSeas1[6] = "On 24 hrs."  
Sys1FanOnSeas1[7] = "On 24 hrs."  
Sys1FanOnSeas1[8] = "On 24 hrs."  
Sys1FanOnSeas2[1] = "On 24 hrs."  
Sys1FanOnSeas2[2] = "On 24 hrs."  
Sys1FanOnSeas2[3] = "On 24 hrs."  
Sys1FanOnSeas2[4] = "On 24 hrs."  
Sys1FanOnSeas2[5] = "On 24 hrs."  
Sys1FanOnSeas2[6] = "On 24 hrs."  
Sys1FanOnSeas2[7] = "On 24 hrs."  
Sys1FanOnSeas2[8] = "On 24 hrs."  
Sys1FanOnSeas3[1] = "On 24 hrs."  
Sys1FanOnSeas3[2] = "On 24 hrs."  
Sys1FanOnSeas3[3] = "On 24 hrs."  
Sys1FanOnSeas3[4] = "On 24 hrs."  
Sys1FanOnSeas3[5] = "On 24 hrs."  
Sys1FanOnSeas3[6] = "On 24 hrs."  
Sys1FanOnSeas3[7] = "On 24 hrs."  
Sys1FanOnSeas3[8] = "On 24 hrs."  
SystemPerWhat[1] = "System per Site"  
DXSystemType[1] = "Air-Cooled Split System AC/HP"



DXUnitSizeCateg[1] = "< 65 kBtuh or 5.4 tons"  
DXCondenserType[1] = "Air-Cooled"  
BDLSysSizingRats[1] = 1  
BDLSysSizingRats[2] = 1  
BDLSysSizingRats[3] = 1  
SysCoolingEIR[1] = 0.3103  
SysSupplyStatic[1] = -999  
SysFanControl[1] = 11  
SysFanEirFplr[1] = "Residential Fix Vol-Fan EIR"  
DesCoolSHCapacity[1] = 2.14496  
SysAirTempCtr[1] = "TWO-SPEED"  
SysMinOutsideAir[1] = 0  
SysCoilBF[1] = 0.18  
SysCoolCap\_ft[1] = ""  
SysCoolSH\_ft[1] = ""  
SysCoolEIR\_ft[1] = ""  
SysCoolCL\_fPLR[1] = ""  
SysCoilBF\_ft[1] = ""  
SysCoilBF\_fFlow[1] = ""  
SysCoolEIR\_fPLR[1] = ""  
ModelNaturalVent[1] = 1  
NatVentOption[1] = "Library Schedules"  
NatVentOnBDLSch[1] = "DEER Res Nat Vent On Sch"  
NatVentTempBDLSch[1] = "DEER Res Nat Vent Temp Sch"  
NatVentOpenBDLSch[1] = "DEER Res Nat Vent Open Sch"  
NatVentMethod[1] = "Air Change"  
NatVentRate[1] = 3  
MsrApplicable[1] = 1  
MsrStorage[30] = 69  
MsrRunVals\_airAC[1] = 0  
DetDXEquipType[1] = "Split AC, SEER 10, High EER Slope, High Degrad. Coef"  
DetDXEquipAbrev[1] = "SA-10-HH"  
DetDXCoolEffUnits[1] = "SEER"  
DetDXCIRtdWBT[1] = 67  
DetDXCIRtdDBT[1] = 95  
DetDXCOffRtdWBT[1] = 67  
DetDXCOffRtdDBT[1] = 82  
DetDXCoolSEER[1] = 10  
DetDXCoolEER[1] = 9.31  
DetDXCoolCap[1] = 41713  
DetDXCISensTotRat[1] = 0.7411  
DetDXCoolEIR[1] = 0.3103  
DetDXCFMPerBTUH[1] = 0.03296  
DetDXFanWPerCFM[1] = 0.365  
DetDXCoolCapFTCoef[1] = 2.432  
DetDXCoolCapFTCoef[2] = -0.05654  
DetDXCoolCapFTCoef[3] = 0.0006515  
DetDXCoolCapFTCoef[4] = 0.003925  
DetDXCoolCapFTCoef[5] = -2.167e-006  
DetDXCoolCapFTCoef[6] = -0.0001448  
DetDXCoolCapFTILim[1] = 55  
DetDXCoolCapFTILim[2] = 70  
DetDXCoolCapFTILim[3] = 55  
DetDXCoolCapFTILim[4] = 120  
DetDXCoolSHFTCoef[1] = -1.812  
DetDXCoolSHFTCoef[2] = 0.1503

DetDXCoolSHFTCoef[3] = -0.001537  
DetDXCoolSHFTCoef[4] = -0.01766  
DetDXCoolSHFTCoef[5] = -2.667e-006  
DetDXCoolSHFTCoef[6] = 0.0002113  
DetDXCoolSHFTLim[1] = 55  
DetDXCoolSHFTLim[2] = 70  
DetDXCoolSHFTLim[3] = 55  
DetDXCoolSHFTLim[4] = 120  
DetDXCoolEIRFTCoef[1] = -0.5725  
DetDXCoolEIRFTCoef[2] = 0.04007  
DetDXCoolEIRFTCoef[3] = -0.0003497  
DetDXCoolEIRFTCoef[4] = -0.0003909  
DetDXCoolEIRFTCoef[5] = 8.108e-005  
DetDXCoolEIRFTCoef[6] = -3.726e-005  
DetDXCoolEIRFTLim[1] = 55  
DetDXCoolEIRFTLim[2] = 70  
DetDXCoolEIRFTLim[3] = 55  
DetDXCoolEIRFTLim[4] = 120  
DetDXCoilBFFTCoeff[1] = 40.3  
DetDXCoilBFFTCoeff[2] = -1.115  
DetDXCoilBFFTCoeff[3] = 0.00788  
DetDXCoilBFFTCoeff[4] = 1e-012  
DetDXCoilBFFTCoeff[5] = 1e-012  
DetDXCoilBFFTCoeff[6] = 1e-012  
DetDXCoilBFFTLim[1] = 55  
DetDXCoilBFFTLim[2] = 70  
DetDXCoilBFFTLim[3] = 55  
DetDXCoilBFFTLim[4] = 120  
DetDXCoilBFFTMin[1] = 0  
DetDXCoilBFFTMax[1] = 2.22222  
DetDXCIEIRFPLRCoeff[1] = 0.0001178  
DetDXCIEIRFPLRCoeff[2] = 1.236  
DetDXCIEIRFPLRCoeff[3] = -0.3143  
DetDXCIEIRFPLRCoeff[4] = 0.07817  
DetDXCIEIRFPLRLim[1] = 0  
DetDXCIEIRFPLRLim[2] = 1.1  
DetDXCICIsFPLRCoeff[1] = 0.8014  
DetDXCICIsFPLRCoeff[2] = 0.2374  
DetDXCICIsFPLRCoeff[3] = -0.03938  
DetDXCICIsFPLRType[1] = "Quadratic"  
DetDXCICIsFPLRLim[1] = 0  
DetDXCICIsFPLRLim[2] = 1.1  
DetDXCICIsFPLRMin[1] = -999  
DetDXCICIsFPLRMax[1] = -999  
DetDXNumCompSpds[1] = 1  
DetDXLoSpdCFMRat[1] = 1  
DetDXLoSpdCapRat[1] = 1  
DetDXBFFFFlowCoef[1] = 1  
DetDXBFFFFlowCoef[2] = 0  
DetDXBFFFFlowMin[1] = 0  
DetDXBFFFFlowMax[1] = 1  
DetDXCondFanElec[1] = -999  
DetDXOFnCFLTCoef[1] = -1  
DetDXOFnCFLTCoef[2] = -1  
DetDXOFnCFLTCoef[3] = -1  
DetDXOFnCFLTCoef[4] = -1

DetDXOFnCFLTMin[1] = -999  
DetDXOFnCFLTMax[1] = -999  
DetHPHeatHSPF[1] = -1  
DetHPHeatEIR[1] = -1  
DetHPHeatCOP47[1] = -1  
DetHPHeatCap[1] = -1  
DetHPHeatCapFTCoef[1] = -1  
DetHPHeatCapFTCoef[2] = -1  
DetHPHeatCapFTCoef[3] = -1  
DetHPHeatCapFTCoef[4] = -1  
DetHPHeatCapFTCoef[5] = -1  
DetHPHeatCapFTCoef[6] = -1  
DetHPHeatEIRFTCoef[1] = -1  
DetHPHeatEIRFTCoef[2] = -1  
DetHPHeatEIRFTCoef[3] = -1  
DetHPHeatEIRFTCoef[4] = -1  
DetHPHeatEIRFTCoef[5] = -1  
DetHPHeatEIRFTCoef[6] = -1  
DetHPHtEIRFPLRCoef[1] = -1  
DetHPHtEIRFPLRCoef[2] = -1  
DetHPHtEIRFPLRCoef[3] = -1  
DetHPHtEIRFPLRCoef[4] = -1  
SysSupKWPerFlow[1] = 0.000365  
SysSupplyDeltaT[1] = 1.1534

..

DXCWWiz "Water-Cooled DX System"

..

WSECWWiz "Water-Side Econo System"

..

WLHPWiz "WSHP System"

..

GSHPWiz "GSHP System"

..

PrimWiz "Primary HVAC Plant"

CHWSysSizingOpt = 2  
HWSysSizingOpt = 2  
ChillerCapRatio = ( 1, 1 )  
BoilerCapRatio = ( 1, 1 )

..

DHWWiz "DHW SF2"

DHWUsage = 0  
ResDHWType = "Storage"  
ResDHWFuel = "Natural Gas"  
ResDHWStorageCap = 40  
ResDHWInputRating = 50  
ResDHWEffSpec = "Energy Factor"  
ResDHWEnergyFactor = 0.57  
ResDHWHIRfPLRCurve = "DEER DHW HIR-FPLR Curve"  
ResDHWRecircPercent = 0  
ResDHW PumpHead = 0

ResBDLTankUA = 8.90087  
ResBDLHIR = 1.31926  
ResBDLEIR = -1  
ResDHWLoopName = "DHW SF2 Res Loop (1)"  
TempResBDLEff = 0.758

..

DHWWiz "DHW SF2-2"  
DHWUsage = 0  
ResDHWType = "Storage"  
ResDHWFuel = "Natural Gas"  
ResDHWStorageCap = 40  
ResDHWInputRating = 50  
ResDHWEffSpec = "Energy Factor"  
ResDHWEnergyFactor = 0.57  
ResDHWHIRfPLRCurve = "DEER DHW HIR-FPLR Curve"  
ResDHWRecircPercent = 0  
ResDHW PumpHead = 0  
ResBDLTankUA = 8.90087  
ResBDLHIR = 1.31926  
ResBDLEIR = -1  
ResDHWLoopName = "DHW SF2-2 Res Loop (2)"  
TempResBDLEff = 0.758

..

DHWWiz "DHW SF1"  
DHWUsage = 0  
ResDHWType = "Storage"  
ResDHWFuel = "Natural Gas"  
ResDHWStorageCap = 40  
ResDHWInputRating = 50  
ResDHWEffSpec = "Energy Factor"  
ResDHWEnergyFactor = 0.57  
ResDHWHIRfPLRCurve = "DEER DHW HIR-FPLR Curve"  
ResDHWRecircPercent = 0  
ResDHW PumpHead = 0  
ResBDLTankUA = 8.90087  
ResBDLHIR = 1.31926  
ResBDLEIR = -1  
ResDHWLoopName = "DHW SF1 Res Loop (3)"  
DHW ElecMeter = "EM2"  
DHW FuelMeter = "FM2"  
ResDHW ElecMeter = "EM2"  
ResDHW FuelMeter = "FM2"  
TempResBDLEff = 0.758

..

DHWWiz "DHW SF1-2"  
DHWUsage = 0  
ResDHWType = "Storage"  
ResDHWFuel = "Natural Gas"  
ResDHWStorageCap = 40  
ResDHWInputRating = 50  
ResDHWEffSpec = "Energy Factor"  
ResDHWEnergyFactor = 0.57  
ResDHWHIRfPLRCurve = "DEER DHW HIR-FPLR Curve"

ResDHWRecircPercent = 0  
ResDHW PumpHead = 0  
ResBDLTankUA = 8.90087  
ResBDLHIR = 1.31926  
ResBDLEIR = -1  
ResDHW CircLoopName = "DHW SF1-2 Res Loop (4)"  
DHWElecMeter = "EM2"  
DHWFuelMeter = "FM2"  
ResDHWElecMeter = "EM2"  
ResDHWFuelMeter = "FM2"  
TempResBDLEff = 0.758

..

FacetColor "By Wall Type"  
FacetType = "Walls"  
ColorOption = "By Wall Type"

..

FacetColor "By Construction"  
FacetType = "Walls"  
ColorOption = "By Construction"

..

FacetColor "Uniform"  
FacetType = "Windows"  
ColorOption = "Uniform"

..

FacetColor "By Glass Type"  
FacetType = "Windows"  
ColorOption = "By Glass Type"

..

Light3D "Light3D - Default"  
Type = "Default"

..

Light3D "Light3D - User1"  
Type = "User Defined 1"

..

Light3D "Light3D - User2"  
Type = "User Defined 2"

..

Light3D "Light3D - User3"  
Type = "User Defined 3"

..

Light3D "Light3D - User4"  
Type = "User Defined 4"

..

Light3D "Light3D - User5"  
Type = "User Defined 5"

..

ERateWiz "DEER Demand Rate - EM1"

Version = 1  
RateType = "Time-of-Use Charges"  
ElecMeterNames[1] = "EM1"  
HaveSecSeason = 1  
SecSeasStartMoDa[1] = 812  
SecSeasEndMoDa[1] = 814  
CustChargeAmt = ( 0, 0 )  
UniformChargeKW = ( 0, 0 )  
UniformChargeKWH = ( 0, 0 )  
TOUPeriodSeas1 = ( 0, 0, 0, 1, 0 )  
TOUChargeKWSeas1[4] = 0  
TOUChargeKWHSeas1[4] = 0  
TOUPeriodSeas2 = ( 0, 1, 0, 1, 0 )  
TOUChargeKWSeas2[2] = 0  
TOUChargeKWSeas2[4] = 0  
TOUChargeKWHSeas2[2] = 1  
TOUChargeKWHSeas2[4] = 0  
TOUDayAssignSeas1[2] = 0  
TOUDayAssignSeas1[6] = 0  
TOUDayAssignSeas1[7] = 0  
TOUDayAssignSeas1[8] = 0  
TOUDayAssignSeas2[6] = 0  
TOUDayAssignSeas2[7] = 0  
TOUDayAssignSeas2[8] = 0  
TOUPeriodHrsSeas2[29] = 4  
TOUPeriodHrsSeas2[33] = 2  
TOUPeriodHrsSeas2[34] = 2  
TOUPeriodHrsSeas2[35] = 2  
TOUPeriodsChecked = 1

..

ERateWiz "DEER Demand Rate - EM2"

Version = 1  
RateType = "Time-of-Use Charges"  
ElecMeterNames[1] = "EM2"  
HaveSecSeason = 1  
SecSeasStartMoDa[1] = 812  
SecSeasEndMoDa[1] = 814  
CustChargeAmt = ( 0, 0 )  
UniformChargeKW = ( 0, 0 )  
UniformChargeKWH = ( 0, 0 )  
TOUPeriodSeas1 = ( 0, 0, 0, 1, 0 )  
TOUChargeKWSeas1[4] = 0  
TOUChargeKWHSeas1[4] = 0  
TOUPeriodSeas2 = ( 0, 1, 0, 1, 0 )  
TOUChargeKWSeas2[2] = 0  
TOUChargeKWSeas2[4] = 0  
TOUChargeKWHSeas2[2] = 1  
TOUChargeKWHSeas2[4] = 0  
TOUDayAssignSeas1[2] = 0  
TOUDayAssignSeas1[6] = 0  
TOUDayAssignSeas1[7] = 0  
TOUDayAssignSeas1[8] = 0  
TOUDayAssignSeas2[6] = 0

TOUdayAssignSeas2[7] = 0  
TOUdayAssignSeas2[8] = 0  
TOUPeriodHrsSeas2[29] = 4  
TOUPeriodHrsSeas2[33] = 2  
TOUPeriodHrsSeas2[34] = 2  
TOUPeriodHrsSeas2[35] = 2  
TOUPeriodsChecked = 1

..

DEERProto "DEER Single Family 3"  
LocationType = "by CTZ"  
Region = "San Bernardino Area (CZ10)"  
AnalysisSector = "Residential"  
BldgType = "Residential - Single Family"  
BldgOperation = "n/a"  
HVACConfig = "RAC"  
TStatRunID = "2"  
Vintage = "Before 1978"  
AllowHVACResize = 0  
MsrAnalysisVint = "DEER 2008"  
MsrRunType = "Customer Average"  
MsrRunTypeAbr = "CA"  
MsrRunTypeID = "Customer Average"  
MsrRunID = "SFM-w10-v75-hAC-t2-cCAv-mRB-HV-SFDuctSeal-40pct-12pct"  
MsrTechID = "D08-RB-HV-SFDuctSeal-40pct-12pct"  
MeasureList = "HVAC"  
MeasureSubCat = "Ducts"  
EffMeasure = "Duct Sealing (Single Family)"  
MsrPerfChars[1] = "40pct"  
MsrPerfChars[2] = "12pct"  
WholeBldgLPD = 3.11977  
XAllU\_LastTypeVal = 0  
LastMeasureVal = 458  
DOE2EndusesSym = "All HVAC Enduses"  
ResultsToTrackSym[1] = "Overall HVAC Energy"  
BaselineResults[1] = 7282.44  
BaselineResults[2] = 3288.89  
BaselineResults[3] = 1.33158  
BaselineResults[4] = 9137.1  
BaselineResults[5] = 82344.4  
DirectImpactEndUse = "none"  
HrlyOutputEndUse = ( "Cooling", "Gas\_Heat" )  
RunDescripFmt = "%g%% Supply/%g%% Return (%g% Total leakage) of AHU flow"  
RunDescrip = "20% Supply/20% Return (40% Total leakage) of AHU flow"  
BaseChars = "Supply/return/OA leakage 12/9.6/2.4% of AHU flow"  
CommonUnit[1] = "household"  
CommonUnit[2] = "-undefined-"  
MeasureFuel = "B"  
CommonUnitDiv = ( 1, 1, 0, 0 )  
ReportArea = 1636  
D08MeasureArea = 1636  
D08MsrNumZones = 2  
DHWSysConfig = "Individual System per Dwelling Unit"  
HasDHW = ( 0, 1 )  
MsrAppHVACSysType = 276  
AnnSimMinSupplyT = 40

DemandResultOpt = "Utility Rates"  
NumMeters = 2  
ElecMeterNames[1] = "EM1"  
ElecMeterNames[2] = "EM2"  
FuelMeterNames[1] = "FM1"  
FuelMeterNames[2] = "FM2"  
MeterWeights[1] = 0.335  
MeterWeights[2] = 0.165  
ApplyWeights = 1  
EvapCoolMsrSizing = 0  
BDLSysSizRatio = 1  
BDLSysSizRatCool = 1  
BDLSysSizRatHeat = 1  
Temporary\_Num[2] = 71  
..

BDLParam "DEER Res Shade Jan"  
IsNumeric = 1  
ParamValue = 0.9  
..

BDLParam "DEER Res Shade Feb"  
IsNumeric = 1  
ParamValue = 0.83  
..

BDLParam "DEER Res Shade Mar"  
IsNumeric = 1  
ParamValue = 0.7  
..

BDLParam "DEER Res Shade Apr"  
IsNumeric = 1  
ParamValue = 0.6  
..

BDLParam "DEER Res Shade May"  
IsNumeric = 1  
ParamValue = 0.5  
..

BDLParam "DEER Res Shade Jun"  
IsNumeric = 1  
ParamValue = 0.38  
..

BDLParam "DEER Res Shade Jul"  
IsNumeric = 1  
ParamValue = 0.3  
..

BDLParam "DEER Res Shade Aug"  
IsNumeric = 1  
ParamValue = 0.38  
..



BDLParam "DEER Res Shade Sep"  
IsNumeric = 1  
ParamValue = 0.5

..

BDLParam "DEER Res Shade Oct"  
IsNumeric = 1  
ParamValue = 0.6

..

BDLParam "DEER Res Shade Nov"  
IsNumeric = 1  
ParamValue = 0.7

..

BDLParam "DEER Res Shade Dec"  
IsNumeric = 1  
ParamValue = 0.83

..

BDLParam "DEER TStat Htg Morning"  
IsNumeric = 1  
ParamValue = 65

..

BDLParam "DEER TStat Htg Day"  
IsNumeric = 1  
ParamValue = 68

..

BDLParam "DEER TStat Htg Evening"  
IsNumeric = 1  
ParamValue = 68

..

BDLParam "DEER TStat Htg Night"  
IsNumeric = 1  
ParamValue = 65

..

BDLParam "DEER TStat Clg Morning"  
IsNumeric = 1  
ParamValue = 76

..

BDLParam "DEER TStat Clg Day"  
IsNumeric = 1  
ParamValue = 83

..

BDLParam "DEER TStat Clg Evening"  
IsNumeric = 1  
ParamValue = 83

..

BDLParam "DEER TStat Clg Night"

IsNumeric = 1  
ParamValue = 76

..

BDLParam "DEER TStat Htg Hall"  
IsNumeric = 1  
ParamValue = 67

..

BDLParam "DEER TStat Clg Hall"  
IsNumeric = 1  
ParamValue = 80

..

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