```
Proj   "SFM-w10-v75-aggregate4"
   ProgramVersion = "eQUEST 3.64.6982"
   BDBaseVersion = 24
   ProductCode = "eQUEST"
   WeatherFile = "CZ2\CZ10.bin"
   CreateDate = 1269636387
   ModDate = 1269849459
   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-aggregate4"
   ActiveFacetColors[1] = "By Wall Type"
   ActiveFacetColors[2] = "By Glass Type"
   PreviousName = "SFM-w10-v75-aggregate3"
   DetailedModelEdits = 1
   ProjTreeType[2] = 1
   ProjTreeType[3] = 1
   ProjTreeType[4] = 1
   ProjTreeType[5] = 1
   ProjTreeType[6] = 1
   ProjTreeID[2] = 10280032
   ProjTreeID[3] = 10080019
   ProjTreeID[4] = 10280000
   ProjTreeID[5] = 10280025
   ProjTreeID[6] = 10750001
   ProjTreeLabel[2] = "Window SC"
   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
   ..

MainWiz   "SFM-w10-v75-aggregate4"
   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
  DesDayClStartMonth = 7
  DesDayClStartDay = -1
  DesDayClNumDays = 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_TotalOccups[1] = 2.7
  Geom_WinWidth[1] = 2.23805
  ..

ShellWiz   "SFAM1 Garage1"
  BldgType = "Residential, Single-Family"
  FlrsAboveGrade = 1
  FlrsBelowGrade = 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
```

```
  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
  ..

ZnGrpWiz   "EL1 Ground Floor"
  ShortName = "GndFlr"
  AssignedDHWSys = "DHW SF1"
  ..

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

ShapeWiz   "EL1 Res-Garage (A1) InsLtg (S2)"
  ..

ShapeWiz   "EL1 Res-Garage (A1) InsLtg (S3)"
  ..

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

ShapeWiz   "EL1 Res-Garage (A1) Occup (S2)"
  ..

ShapeWiz   "EL1 Res-Garage (A1) Occup (S3)"
  ..
```

```
AdjWall   "Adjoining Wall 1"
  ..

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
  AFlrOverallRVal = 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",
```

```
                "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"
PercentGlassI1[1] = 19.4074
PercentGlassI2[1] = 19.4074
PercentGlassI3[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
SkyItZones[1] = 1
SkyPosCurrent = 1
DayZonesCurrent[1] = 1
DayZonesCurrent[3] = 1
DayItZones[1] = 1
DayItZones[401] = 1
WinDoorCurrent = 1
DetailsCurrent = ( 1, 1, 1 )
BDLNumDayItCtrls[1] = 0
BDLNumDayItCtrls[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] = "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
    ..

  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"
  ..

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"
  ..

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"
  ..

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"
  ..

FacetWiz   "SFAM1 Facet 1"
  ParentZoneIdx = 0
  SegmentNumber = 1
  ..

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

```
  ..

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

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

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

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

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

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

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

WinWiz   "SFAM1 Window 4"
```

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

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

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

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

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

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

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

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

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

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
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 = ( "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
  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] = "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 = "GndFlr"
  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
  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 = ( "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
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] = "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
AFlrOverallRVal = 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 = ( "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"
PercentGlassI1[1] = 19.4074
PercentGlassI2[1] = 19.4074
PercentGlassI3[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
SkyItZones[1] = 1
SkyPosCurrent = 1
DayZonesCurrent[1] = 1
DayZonesCurrent[3] = 1
DayItZones[1] = 1
DayItZones[401] = 1
WinDoorCurrent = 1
DetailsCurrent = ( 1, 1, 1 )
BDLNumDayItCtrls[1] = 0
BDLNumDayItCtrls[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
  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
  ..

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
  GlassTypeIdx = 0
  ..

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

FacetWiz   "SFAM1-2 Facet 3"
  ParentZoneIdx = 0
  SegmentNumber = 1
  ..

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

FacetWiz   "SFAM1-2 Facet 4"
  ParentZoneIdx = 0
  SegmentNumber = 3
  ..

WinWiz   "SFAM1-2 Window 4"
  X = 3
  Y = 3.5
  Width = 2.23805
  Height = 4
  FrameWidth = 0
  IsDoor = 0
  GlassTypeIdx = 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
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] = "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"
  FlrsAboveGrade = 1
  FlrsBelowGrade = 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
AFlrOverallRVal = 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"
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
SkyItZones[1] = 1
SkyItZones[2] = 1
SkyItZones[3] = 1
SkyItZones[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
  GlassTypeIdx = 0
  ..

FacetWiz   "SFAM2 Facet 3"
  ParentZoneIdx = 0
  SegmentNumber = 3
  ..

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

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

FacetWiz   "SFAM2 Facet 4"
  ParentZoneIdx = 1
  SegmentNumber = 0
  ..

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

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

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

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

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

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

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

DoorWiz   "SFAM2 Door 4"
  X = 1
  Y = 0
  Width = 12
  Height = 7.5
  FrameWidth = 0
  DoorTypeIdx = 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"
    FlrsAboveGrade = 1
    FlrsBelowGrade = 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
AFlrOverallRVal = 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
SkyItZones[1] = 1
SkyItZones[2] = 1
SkyItZones[3] = 1
SkyItZones[4] = 1
SkyPosCurrent = 1
DayZonesCurrent[3] = 1
DayItZones[401] = 1
DayItZones[402] = 1
DayItZones[403] = 1
DayItZones[404] = 1
WinDoorCurrent = 1
DetailsCurrent = ( 1, 1, 1 )
BDLNumDayItCtrls[401] = 0
BDLNumDayItCtrls[402] = 0
BDLNumDayItCtrls[403] = 0
BDLNumDayItCtrls[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"
  ParentZoneIdx = 0
  SegmentNumber = 0
  ..

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

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

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

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

```
FacetWiz   "SFAM2-2 Facet 2"
   ParentZoneIdx = 0
   SegmentNumber = 2
   ..

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

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

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

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

FacetWiz   "SFAM2-2 Facet 3"
   ParentZoneIdx = 0
   SegmentNumber = 3
   ..

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

```
  IsDoor = 0
  GlassTypeIdx = 0
  ..

DoorWiz   "SFAM2-2 Door 1"
  X = 8
  Y = 0
  Width = 3
  Height = 6.7
  FrameWidth = 0
  DoorTypeIdx = 0
  ..

FacetWiz   "SFAM2-2 Facet 4"
  ParentZoneIdx = 1
  SegmentNumber = 0
  ..

WinWiz   "SFAM2-2 Window 10"
  X = 1
  Y = 3.5
  Width = 2.23805
  Height = 4
  FrameWidth = 0
  IsDoor = 0
  GlassTypeIdx = 0
  ..

WinWiz   "SFAM2-2 Window 11"
  X = 5.5
  Y = 3.5
  Width = 2.23805
  Height = 4
  FrameWidth = 0
  IsDoor = 0
  GlassTypeIdx = 0
  ..

WinWiz   "SFAM2-2 Window 12"
  X = 10
  Y = 3.5
  Width = 2.23805
  Height = 4
  FrameWidth = 0
  IsDoor = 0
  GlassTypeIdx = 0
  ..

WinWiz   "SFAM2-2 Window 13"
  X = 14.5
  Y = 3.5
  Width = 2.23805
  Height = 4
  FrameWidth = 0
  IsDoor = 0
  GlassTypeIdx = 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
OldFurnAFUEDflt = ( 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"
DetDXClRtdWBT[1] = 67
DetDXClRtdDBT[1] = 95
DetDXClOffRtdWBT[1] = 67
DetDXClOffRtdDBT[1] = 82
DetDXCoolSEER[1] = 10
DetDXCoolEER[1] = 9.31
DetDXCoolCap[1] = 41713
DetDXClSensTotRat[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
DetDXCoolSHFTILim[1] = 55
DetDXCoolSHFTILim[2] = 70
DetDXCoolSHFTILim[3] = 55
DetDXCoolSHFTILim[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
DetDXCoilBFFTCoef[1] = 40.3
DetDXCoilBFFTCoef[2] = -1.115
DetDXCoilBFFTCoef[3] = 0.00788
DetDXCoilBFFTCoef[4] = 1e-012
DetDXCoilBFFTCoef[5] = 1e-012
DetDXCoilBFFTCoef[6] = 1e-012
DetDXCoilBFFTILim[1] = 55
DetDXCoilBFFTILim[2] = 70
DetDXCoilBFFTILim[3] = 55
DetDXCoilBFFTILim[4] = 120
DetDXCoilBFFTMin[1] = 0
DetDXCoilBFFTMax[1] = 2.22222
DetDXClEIRFPLRCoef[1] = 0.0001178
DetDXClEIRFPLRCoef[2] = 1.236
DetDXClEIRFPLRCoef[3] = -0.3143
DetDXClEIRFPLRCoef[4] = 0.07817
DetDXClEIRFPLRILim[1] = 0
DetDXClEIRFPLRILim[2] = 1.1
DetDXClClsFPLRCoef[1] = 0.8014
DetDXClClsFPLRCoef[2] = 0.2374
DetDXClClsFPLRCoef[3] = -0.03938
DetDXClClsFPLRType[1] = "Quadratic"
DetDXClClsFPLRILim[1] = 0
DetDXClClsFPLRILim[2] = 1.1
DetDXClClsFPLRMin[1] = -999
DetDXClClsFPLRMax[1] = -999
DetDXNumCompSpds[1] = 1
DetDXLoSpdCFMRat[1] = 1
DetDXLoSpdCapRat[1] = 1
DetDXBFFFlowCoef[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
OldFurnAFUEDflt = ( 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
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"
DetDXClRtdWBT[1] = 67
DetDXClRtdDBT[1] = 95
DetDXClOffRtdWBT[1] = 67
DetDXClOffRtdDBT[1] = 82
DetDXCoolSEER[1] = 10
DetDXCoolEER[1] = 9.31
DetDXCoolCap[1] = 41713
DetDXClSensTotRat[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
DetDXCoolSHFTILim[1] = 55
DetDXCoolSHFTILim[2] = 70
DetDXCoolSHFTILim[3] = 55
DetDXCoolSHFTILim[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
DetDXCoilBFFTCoef[1] = 40.3
DetDXCoilBFFTCoef[2] = -1.115
DetDXCoilBFFTCoef[3] = 0.00788
DetDXCoilBFFTCoef[4] = 1e-012
DetDXCoilBFFTCoef[5] = 1e-012
DetDXCoilBFFTCoef[6] = 1e-012
DetDXCoilBFFTILim[1] = 55
DetDXCoilBFFTILim[2] = 70
DetDXCoilBFFTILim[3] = 55
DetDXCoilBFFTILim[4] = 120
DetDXCoilBFFTMin[1] = 0
DetDXCoilBFFTMax[1] = 2.22222
DetDXClEIRFPLRCoef[1] = 0.0001178
DetDXClEIRFPLRCoef[2] = 1.236
DetDXClEIRFPLRCoef[3] = -0.3143
DetDXClEIRFPLRCoef[4] = 0.07817
DetDXClEIRFPLRILim[1] = 0
DetDXClEIRFPLRILim[2] = 1.1
DetDXClClsFPLRCoef[1] = 0.8014
DetDXClClsFPLRCoef[2] = 0.2374
DetDXClClsFPLRCoef[3] = -0.03938
DetDXClClsFPLRType[1] = "Quadratic"
DetDXClClsFPLRILim[1] = 0
DetDXClClsFPLRILim[2] = 1.1
DetDXClClsFPLRMin[1] = -999
DetDXClClsFPLRMax[1] = -999
DetDXNumCompSpds[1] = 1
DetDXLoSpdCFMRat[1] = 1
DetDXLoSpdCapRat[1] = 1
DetDXBFFFlowCoef[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

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  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   "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
  OldFurnAFUEDflt = ( 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"
DetDXClRtdWBT[1] = 67

DetDXClRtdDBT[1] = 95
DetDXClOffRtdWBT[1] = 67
DetDXClOffRtdDBT[1] = 82
DetDXCoolSEER[1] = 10
DetDXCoolEER[1] = 9.31
DetDXCoolCap[1] = 41713
DetDXClSensTotRat[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
DetDXCoolSHFTILim[1] = 55
DetDXCoolSHFTILim[2] = 70
DetDXCoolSHFTILim[3] = 55
DetDXCoolSHFTILim[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
DetDXCoilBFFTCoef[1] = 40.3
DetDXCoilBFFTCoef[2] = -1.115
DetDXCoilBFFTCoef[3] = 0.00788
DetDXCoilBFFTCoef[4] = 1e-012
DetDXCoilBFFTCoef[5] = 1e-012
DetDXCoilBFFTCoef[6] = 1e-012
DetDXCoilBFFTILim[1] = 55
DetDXCoilBFFTILim[2] = 70
DetDXCoilBFFTILim[3] = 55
DetDXCoilBFFTILim[4] = 120
DetDXCoilBFFTMin[1] = 0
DetDXCoilBFFTMax[1] = 2.22222
DetDXClEIRFPLRCoef[1] = 0.0001178
DetDXClEIRFPLRCoef[2] = 1.236
DetDXClEIRFPLRCoef[3] = -0.3143
DetDXClEIRFPLRCoef[4] = 0.07817

```
    DetDXClEIRFPLRILim[1] = 0
    DetDXClEIRFPLRILim[2] = 1.1
    DetDXClClsFPLRCoef[1] = 0.8014
    DetDXClClsFPLRCoef[2] = 0.2374
    DetDXClClsFPLRCoef[3] = -0.03938
    DetDXClClsFPLRType[1] = "Quadratic"
    DetDXClClsFPLRILim[1] = 0
    DetDXClClsFPLRILim[2] = 1.1
    DetDXClClsFPLRMin[1] = -999
    DetDXClClsFPLRMax[1] = -999
    DetDXNumCompSpds[1] = 1
    DetDXLoSpdCFMRat[1] = 1
    DetDXLoSpdCapRat[1] = 1
    DetDXBFFFlowCoef[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
    SysSupplyDeitaT[1] = 1.1534
    ..

  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
OldFurnAFUEDflt = ( 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
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"
DetDXClRtdWBT[1] = 67
DetDXClRtdDBT[1] = 95
DetDXClOffRtdWBT[1] = 67
DetDXClOffRtdDBT[1] = 82
DetDXCoolSEER[1] = 10
DetDXCoolEER[1] = 9.31
DetDXCoolCap[1] = 41713
DetDXClSensTotRat[1] = 0.7411
DetDXCoolEIR[1] = 0.3103
DetDXCFMPerBTUH[1] = 0.03296
DetDXFanWPerCFM[1] = 0.365
DetDXCoolCapFTCoef[1] = 2.432
DetDXCooiCapFTCoef[2] = -0.05654
DetDXCoolCapFTCoef[3] = 0.0006515
DetDXCoolCapFTCoef[4] = 0.003925
DetDXCoolCapFTCoef[5] = -2.167e-006
DetDXCoolCapFTCoef[6] = -0.0001448
DetDXCooiCapFTILim[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
DetDXCoolSHFTILim[1] = 55
DetDXCoolSHFTILim[2] = 70
DetDXCoolSHFTILim[3] = 55
DetDXCoolSHFTILim[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
DetDXCoilBFFTCoef[1] = 40.3
DetDXCoilBFFTCoef[2] = -1.115
DetDXCoilBFFTCoef[3] = 0.00788
DetDXCoilBFFTCoef[4] = 1e-012
DetDXCoilBFFTCoef[5] = 1e-012
DetDXCoilBFFTCoef[6] = 1e-012
DetDXCoilBFFTILim[1] = 55
DetDXCoilBFFTILim[2] = 70
DetDXCoilBFFTILim[3] = 55
DetDXCoilBFFTILim[4] = 120
DetDXCoilBFFTMin[1] = 0
DetDXCoilBFFTMax[1] = 2.22222
DetDXClEIRFPLRCoef[1] = 0.0001178
DetDXClEIRFPLRCoef[2] = 1.236
DetDXClEIRFPLRCoef[3] = -0.3143
DetDXClEIRFPLRCoef[4] = 0.07817
DetDXClEIRFPLRILim[1] = 0
DetDXClEIRFPLRILim[2] = 1.1
DetDXClClsFPLRCoef[1] = 0.8014
DetDXClClsFPLRCoef[2] = 0.2374
DetDXClClsFPLRCoef[3] = -0.03938
DetDXClClsFPLRType[1] = "Quadratic"
DetDXClClsFPLRILim[1] = 0
DetDXClClsFPLRILim[2] = 1.1
DetDXClClsFPLRMin[1] = -999
DetDXClClsFPLRMax[1] = -999
DetDXNumCompSpds[1] = 1
DetDXLoSpdCFMRat[1] = 1
DetDXLoSpdCapRat[1] = 1
DetDXBFFFlowCoef[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
  ..

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
  ResDHWPumpHead = 0
```

```
  ResBDLTankUA = 8.90087
  ResBDLHIR = 1.31926
  ResBDLEIR = -1
  ResDHWCircLoopName = "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
  ResDHWPumpHead = 0
  ResBDLTankUA = 8.90087
  ResBDLHIR = 1.31926
  ResBDLEIR = -1
  ResDHWCircLoopName = "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
  ResDHWPumpHead = 0
  ResBDLTankUA = 8.90087
  ResBDLHIR = 1.31926
  ResBDLEIR = -1
  ResDHWCircLoopName = "DHW SF1 Res Loop (3)"
  DHWElecMeter = "EM2"
  DHWFuelMeter = "FM2"
  ResDHWElecMeter = "EM2"
  ResDHWFuelMeter = "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
  ResDHWPumpHead = 0
  ResBDLTankUA = 8.90087
  ResBDLHIR = 1.31926
  ResBDLEIR = -1
  ResDHWCircLoopName = "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
  DHWSystemConfig = "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
  ..


END_OF_FILE
```