Technical Report CADD-98-
July, 1998

Tri-Service CADD/GIS
Technology Center

Tri-Service Standards

Part 1 ó A/E Deliverables
1.1 A/E/C Deliverables
1.2 GIS Deliverables

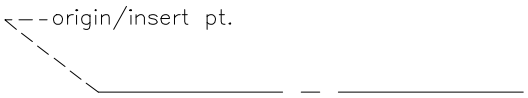
Part 2 ó A/E/C CADD Standards
Main Text and Appendices A, B, C, and D
Appendices E and F

Part 3 ó Spatial Data Standards

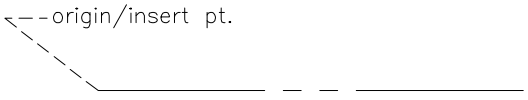
Part 4 ó Facility Management Standards

Release 1.7

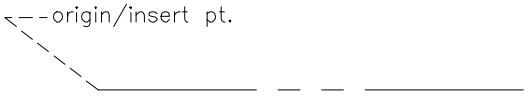
1 General Drafting Lines Library



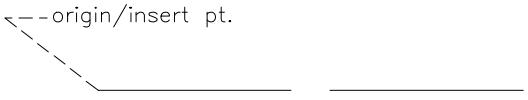
General GCLPAT
Element Type: Line
Description: Centerline CLS



General GPHANT
Element Type: Line
Description: Phantom Line CLS

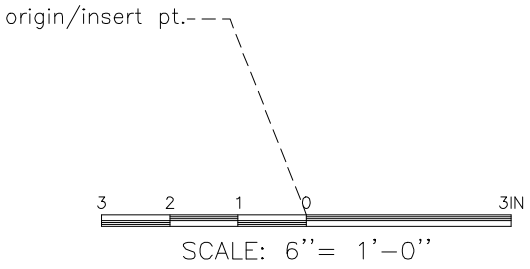


General GPROIN
Element Type: Line
Description: Property Line Indicator

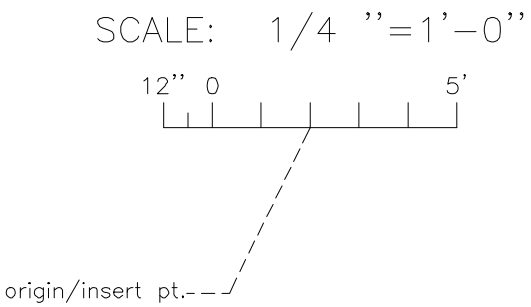


General GRTWAY
Element Type: Line
Description: Right of Way

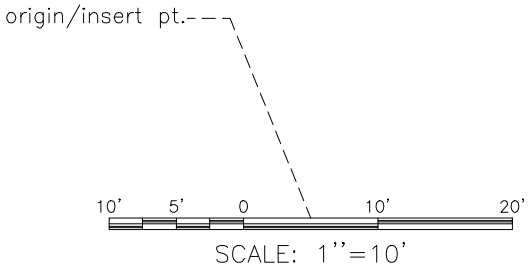
1 General Drafting Objects Library



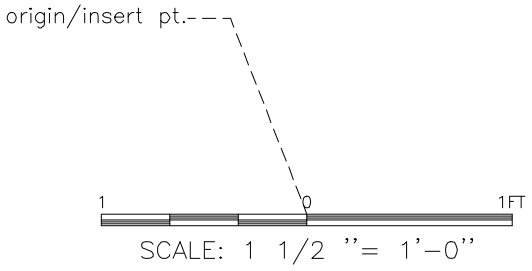
General G006SC
Element Type: Object
Description: Scale 6"=1'-0"



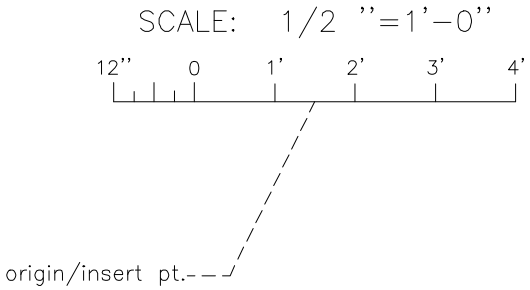
General G014SC
Element Type: Object
Description: Scale 1/4"=1'-0"



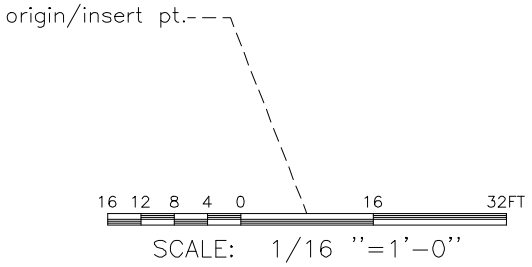
General G010SC
Element Type: Object
Description: Scale 1"=10'



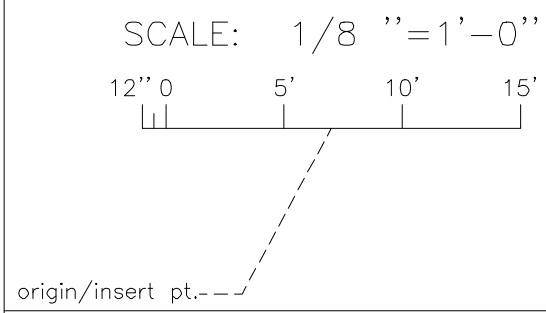
General G015SC
Element Type: Object
Description: Scale 1-1/2"=1'-0"



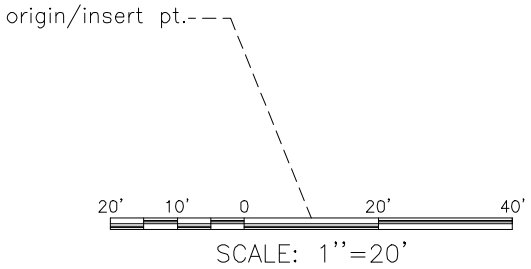
General G012SC
Element Type: Object
Description: Scale 1/2"=1'-0"



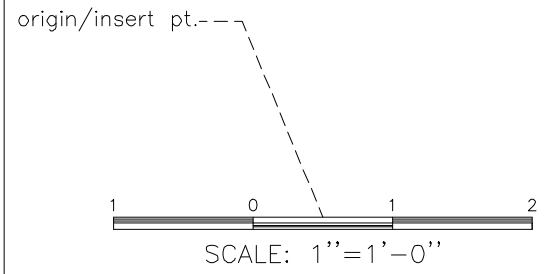
General G016SC
Element Type: Object
Description: Scale 1/16"=1'-0"



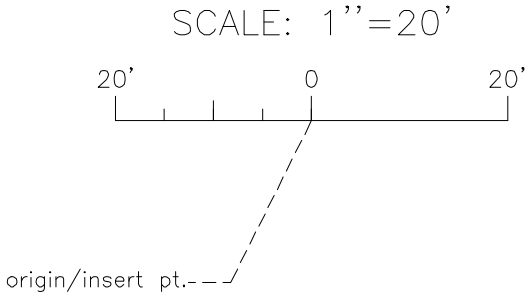
General G018SC
Element Type: Object
Description: Scale 1/8"=1'-0"



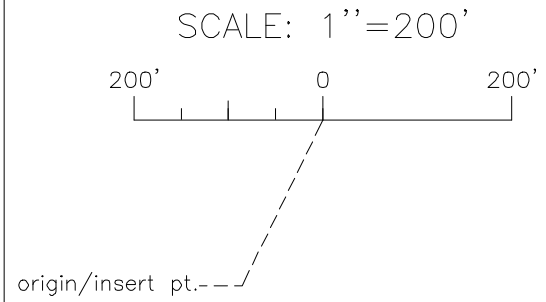
General G020SC
Element Type: Object
Description: Scale 1"=20'



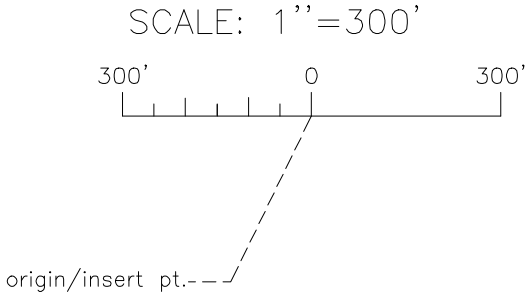
General G01SCL
Element Type: Object
Description: Scale 1"=1'-0"



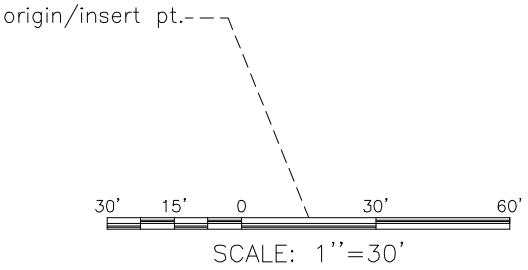
General G02SCL
Element Type: Object
Description: Scale 1"=20'



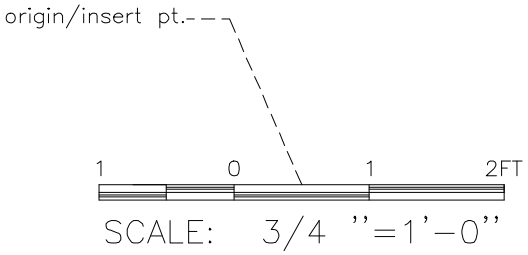
General G0200S
Element Type: Object
Description: Scale 1"=200'



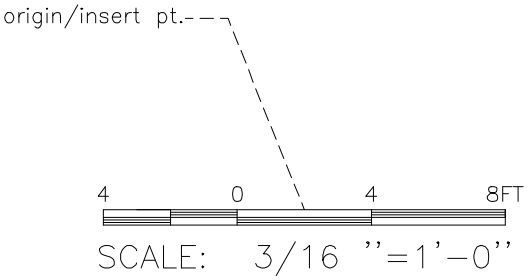
General G0300S
Element Type: Object
Description: Scale 1"=300'



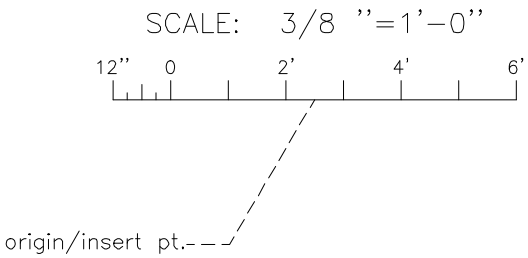
General G030SC
Element Type: Object
Description: Scale 1"=30'



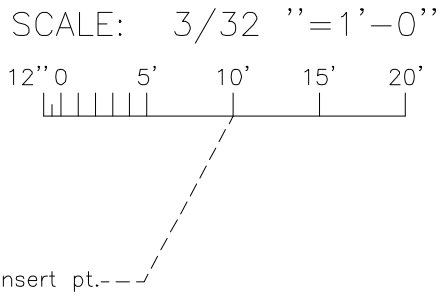
General G034SC
Element Type: Object
Description: Scale 3/4"=1'-0"



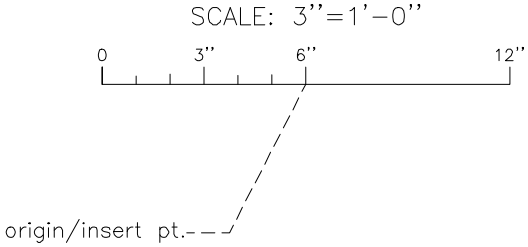
General G0316S
Element Type: Object
Description: Scale 3/16"=1'-0"



General G038SC
Element Type: Object
Description: Scale 3/8"=1'-0"



General G0333S
Element Type: Object
Description: Scale 3/32"=1'-0"



General G03SCL
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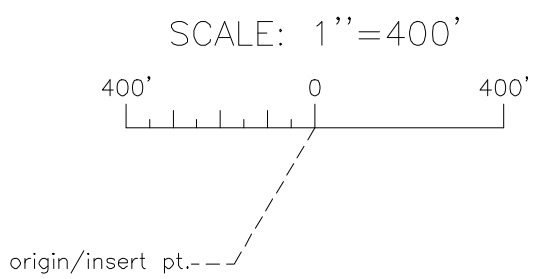
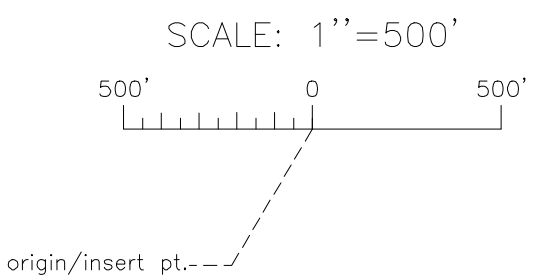
Description: Scale 3"=1'-0"



General G0400S
Element Type: Object
Description: Scale 1"=400'



General G0500S
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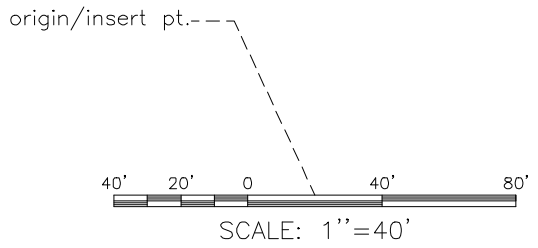

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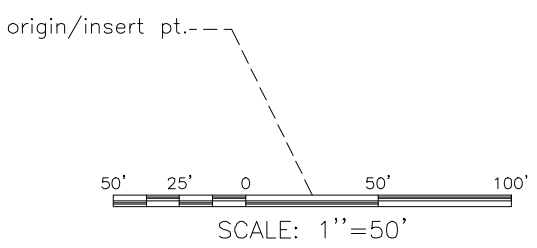
Description: Scale 1"=40'



General G050SC
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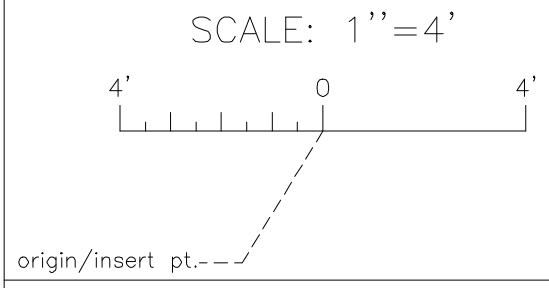
Description: Scale 1"=50'



General G04SCL
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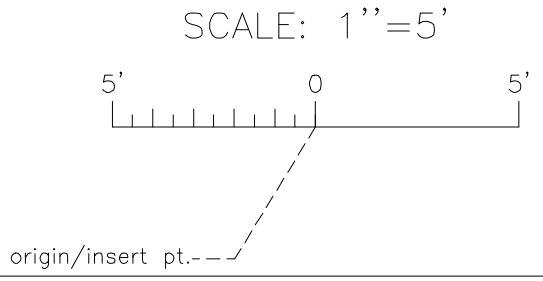
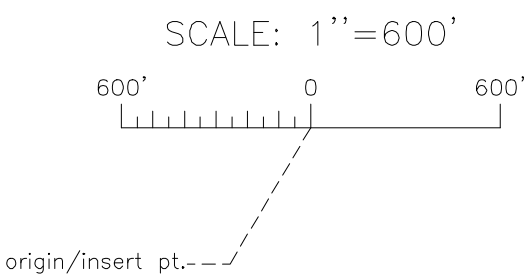
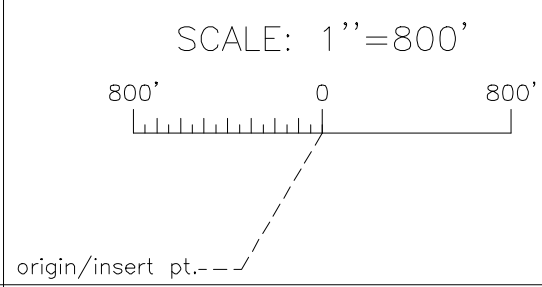
Description: Scale 1"=4'



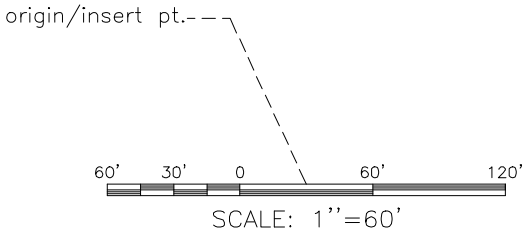
General G05SCL
Element Type: Object
Description: Scale 1"=5'



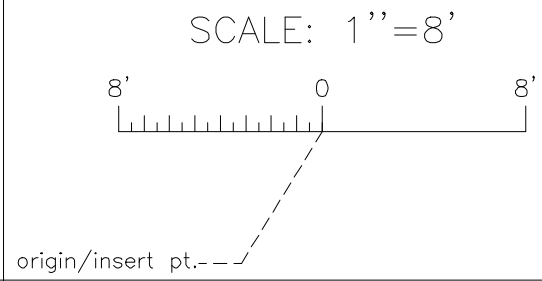
General G0600S
Element Type: Object
Description: Scale 1"=600'



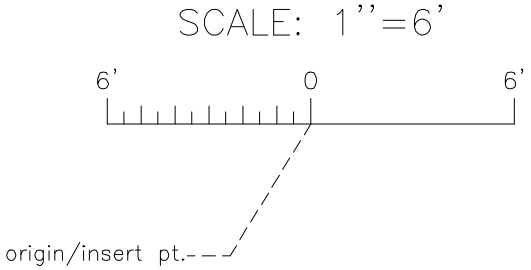
General G0800S
Element Type: Object
Description: Scale 1"=800'



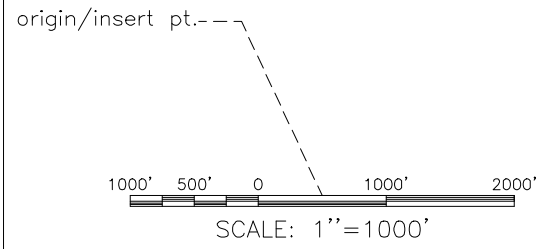
General G060SC
Element Type: Object
Description: Scale 1"=60'



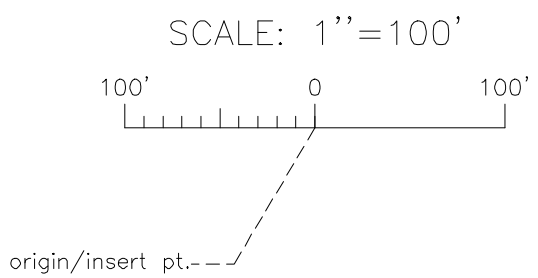
General G08SCL
Element Type: Object
Description: Scale 1"=8'



General G06SCL
Element Type: Object
Description: Scale 1"=6'



General G1000S
Element Type: Object
Description: Scale 1"=1000'



General G100SC
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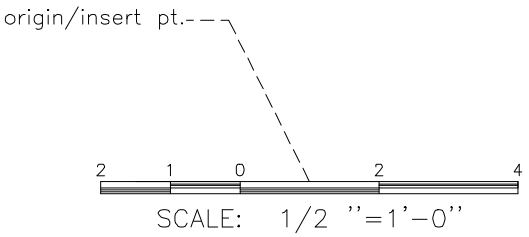
Description: Scale 1"=100'



General G12SCL
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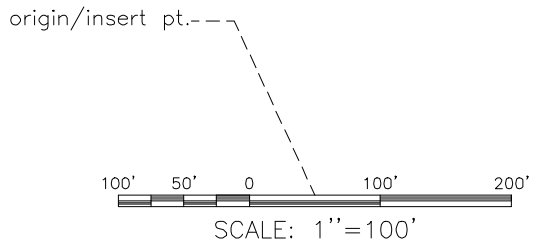
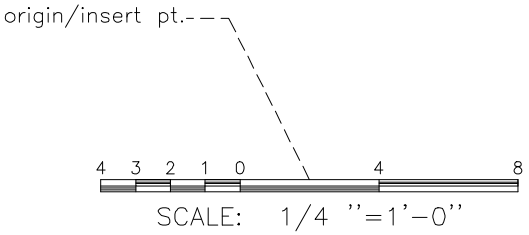
Description: Scale 1/2"=1'-0"



General G100SL
Element Type: Object
Description: Scale 1"=100'



General G14SCL
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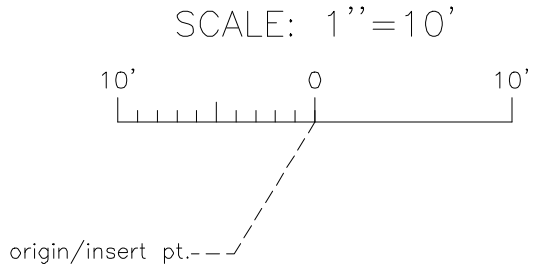
Description: Scale 1/4"=1'-0"



General G10SCL
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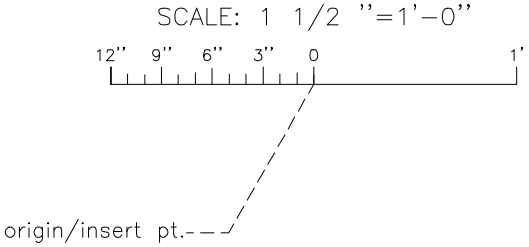
Description: Scale 1"=10'



General G15SCL
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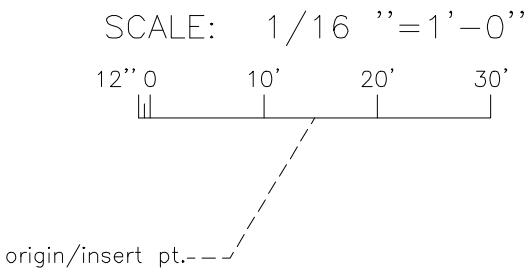
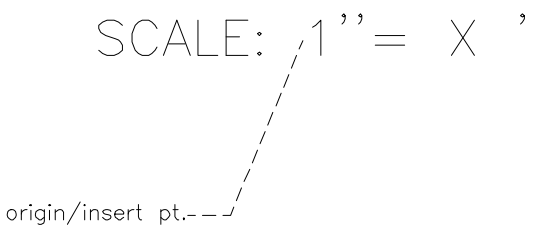
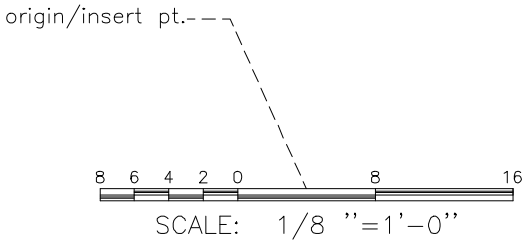


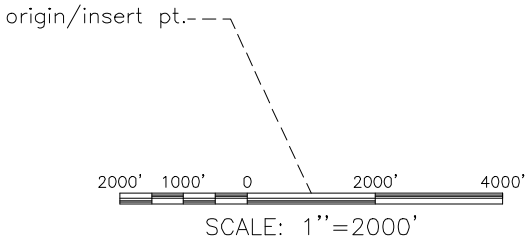
General G16SCL
Element Type: Object
Description: Scale 1/16"=1'-0"



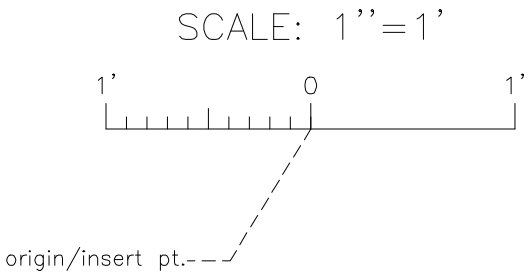
General G1XSCL
Element Type: Object
Description: Scale 1"=X



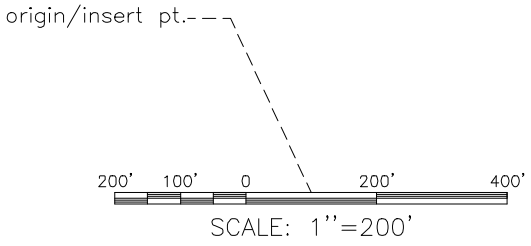
General G18SCL
Element Type: Object
Description: Scale 1/8"=1'-0"



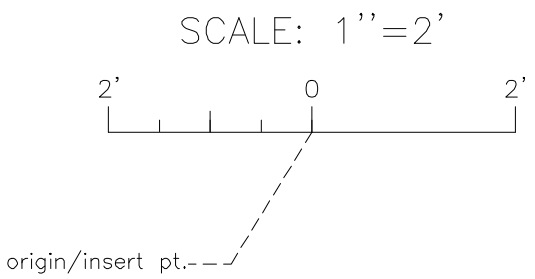
General G2000S
Element Type: Object
Description: Scale 1"=2000'



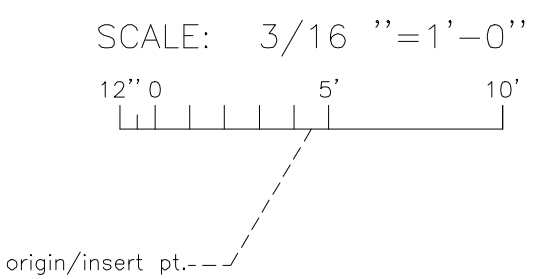
General G1SCL
Element Type: Object
Description: Scale 1"=1'



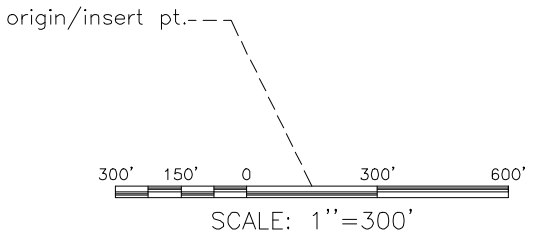
General G200SC
Element Type: Object
Description: Scale 1"=200'



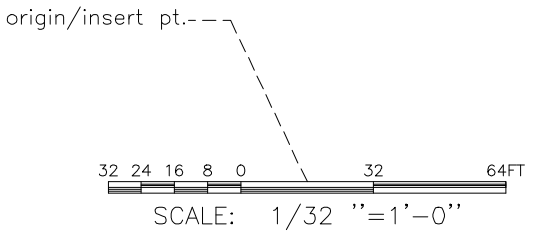
General G2SCL
Element Type: Object
Description: Scale 1"=2'



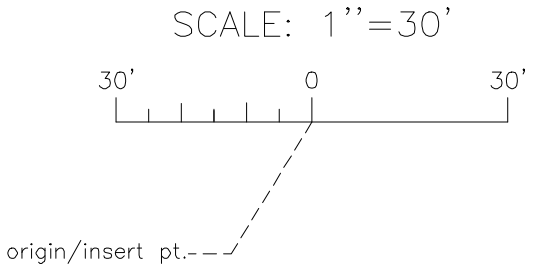
General G316SC
Element Type: Object
Description: Scale 3/16"=1'-0"



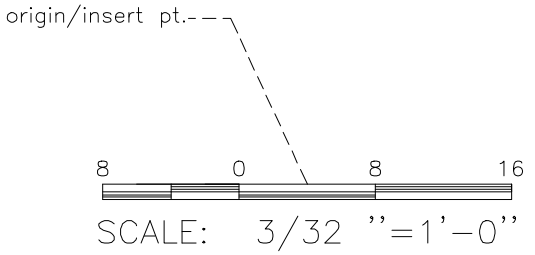
General G300SC
Element Type: Object
Description: Scale 1"=300'



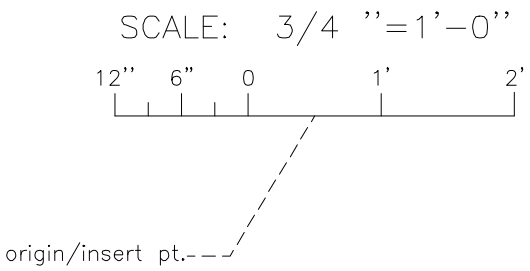
General G32SCL
Element Type: Object
Description: Scale 1/32"=1'-0"



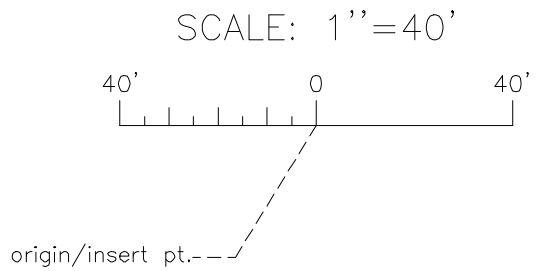
General G30SCL
Element Type: Object
Description: Scale 1"=30'



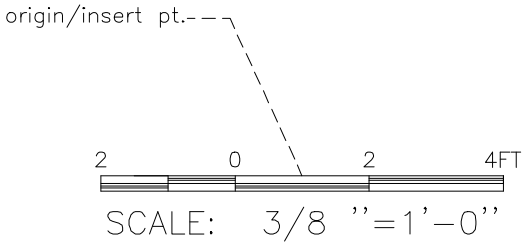
General G332SC
Element Type: Object
Description: Scale 3/32"=1'-0"



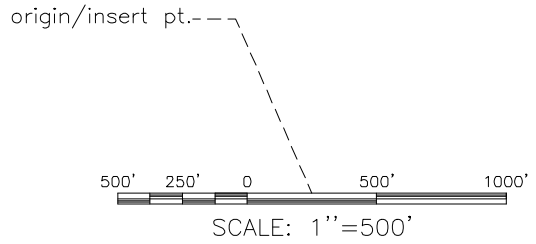
General G34SCL
Element Type: Object
Description: Scale 3/4"=1'-0"



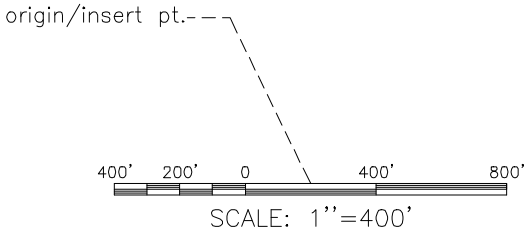
General G40SCL
Element Type: Object
Description: Scale 1"=40'



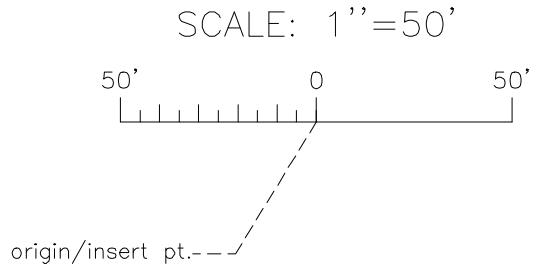
General G38SCL
Element Type: Object
Description: Scale 3/8"=1'-0"



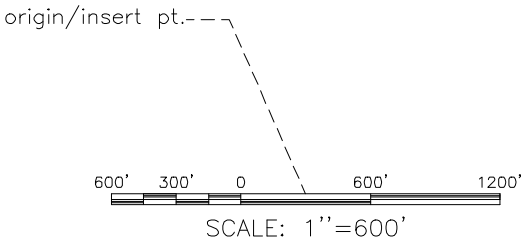
General G500SC
Element Type: Object
Description: Scale 1"=500'



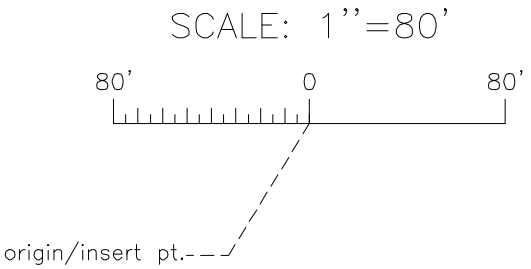
General G400SC
Element Type: Object
Description: Scale 1"=400'



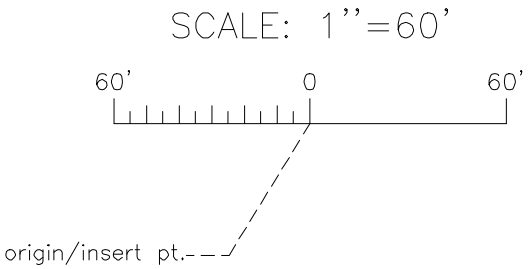
General G50SCL
Element Type: Object
Description: Scale 1"=50'



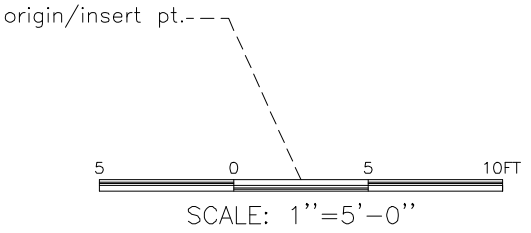
General G600SC
Element Type: Object
Description: Scale 1"=600'



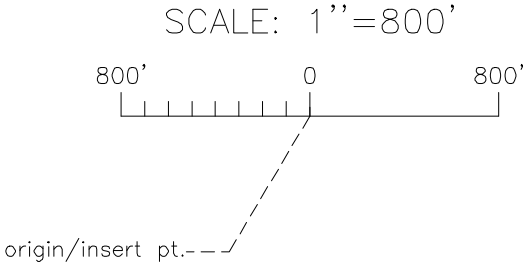
General G80SCL
Element Type: Object
Description: Scale 1"=80'



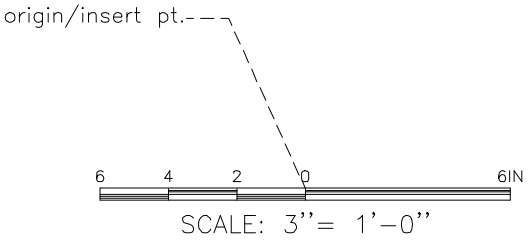
General G60SCL
Element Type: Object
Description: Scale 1"=60'



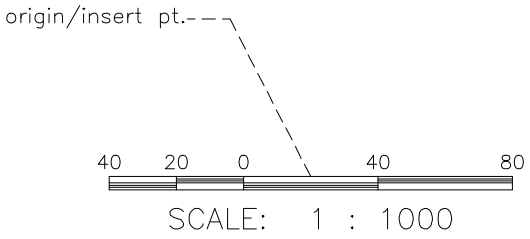
General GD5SCL
Element Type: Symbol
Description: Scale 1"=5'



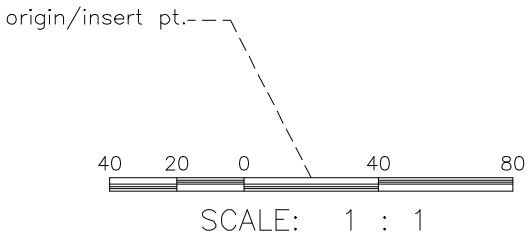
General G800SC
Element Type: Object
Description: Scale 1"=800'



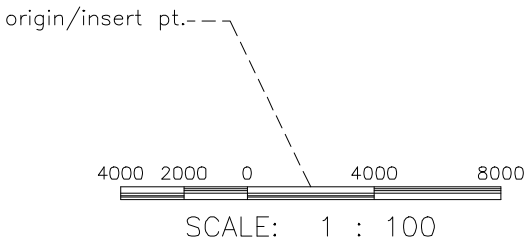
General GL3SCL
Element Type: Symbol
Description: Scale 3"=1'-0"



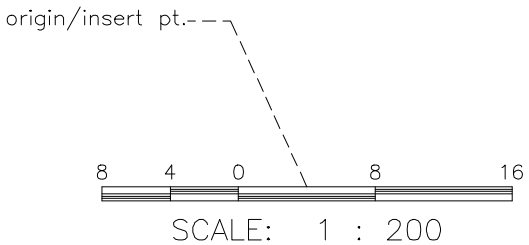
General GM1000SC
Element Type: Symbol
Description: Scale 1 : 1000



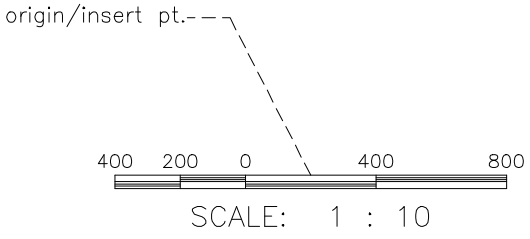
General GM1SC
Element Type: Symbol
Description: Scale 1 : 1



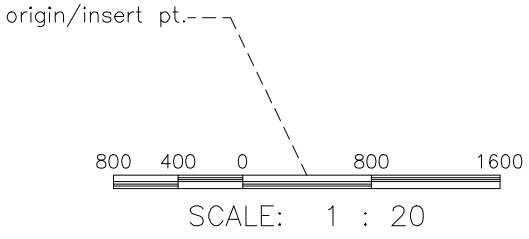
General GM100SC
Element Type: Symbol
Description: Scale 1 : 100



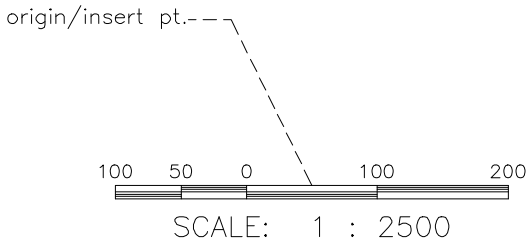
General GM200SC
Element Type: Symbol
Description: Scale 1 : 200



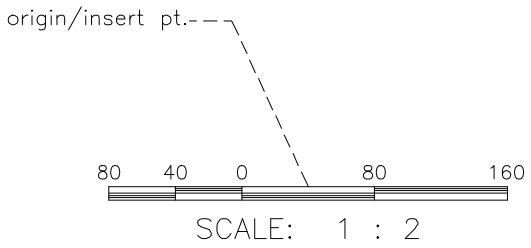
General GM10SC
Element Type: Symbol
Description: Scale 1 : 10



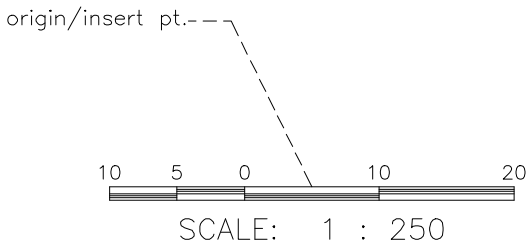
General GM20SC
Element Type: Symbol
Description: Scale 1 : 20



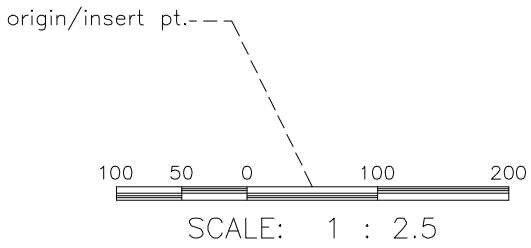
General GM2500SC
Element Type: Symbol
Description: Scale 1 : 2500



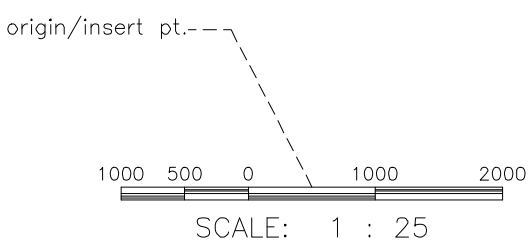
General GM2SC
Element Type: Symbol
Description: Scale 1 : 2



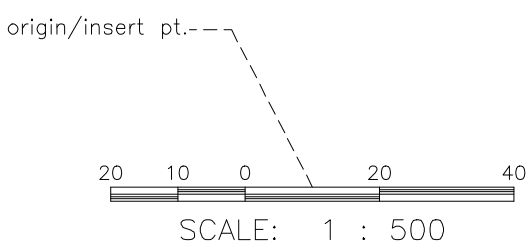
General GM250SC
Element Type: Symbol
Description: Scale 1 : 250



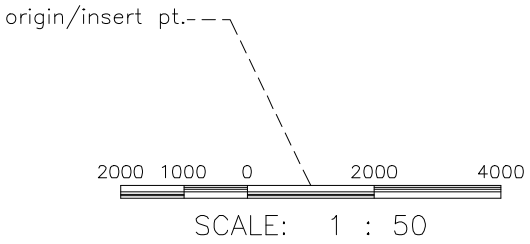
General GM2_5SC
Element Type: Symbol
Description: Scale 1 : 2.5



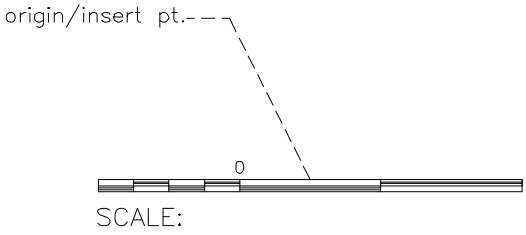
General GM25SC
Element Type: Symbol
Description: Scale 1 : 25



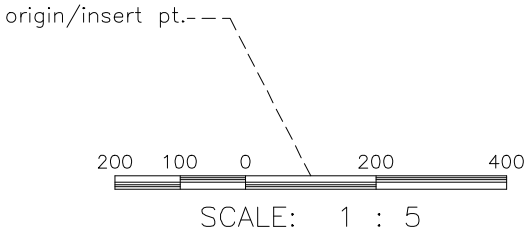
General GM500SC
Element Type: Symbol
Description: Scale 1 : 500



General GM50SC
Element Type: Symbol
Description: Scale 1 : 50

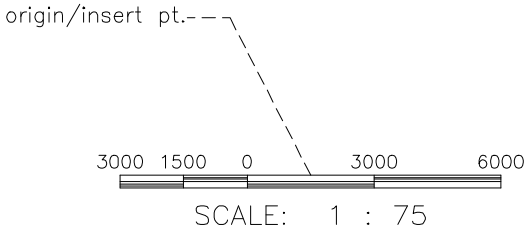


General GBLNSC
Element Type: Line
Description: Scale (Blank Data Fields)



General GM5SC
Element Type: Symbol
Description: Scale 1 : 5

General
Element Type:
Description:



General GM75SC
Element Type: Symbol
Description: Scale 1 : 75

General
Element Type:
Description:

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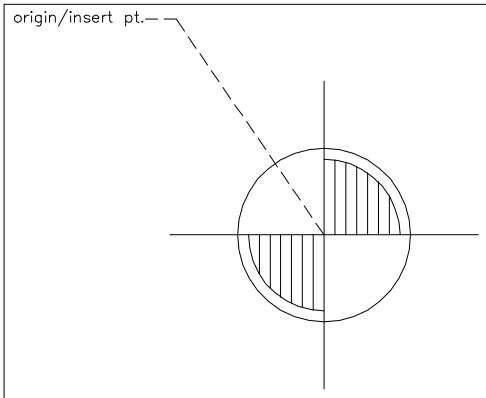
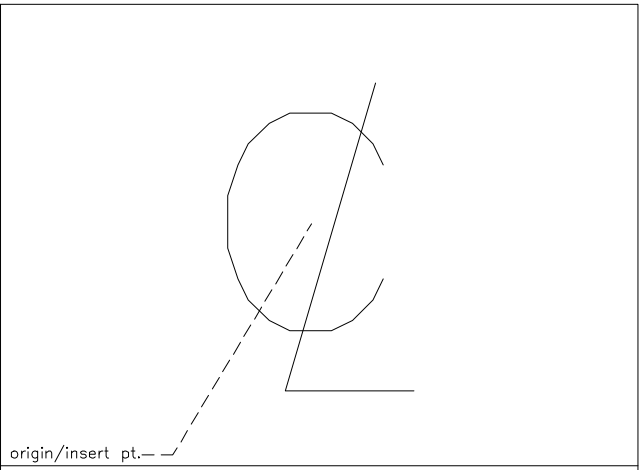
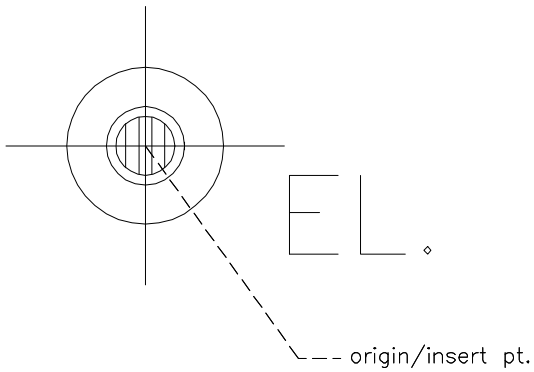


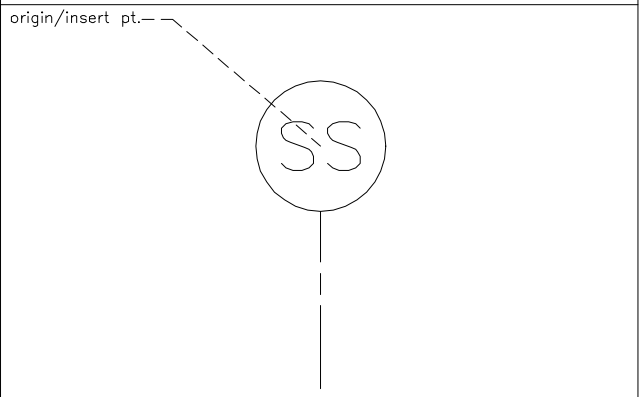
General GBENCH
Element Type: Symbol
Description: Benchmark Indicator



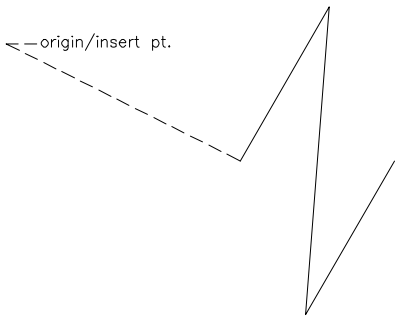
General GCLINE
Element Type: Symbol
Description: Centerline Symbol



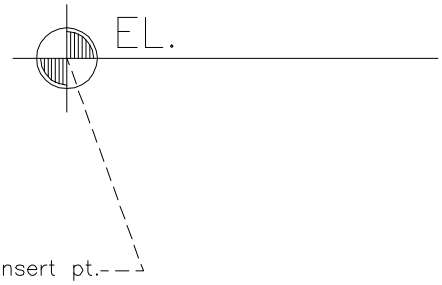
General GBORIN
Element Type: Symbol
Description: Boring Indicator



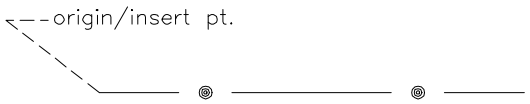
General GCOLIN
Element Type: Symbol
Description: Column Line/Grid Indicator



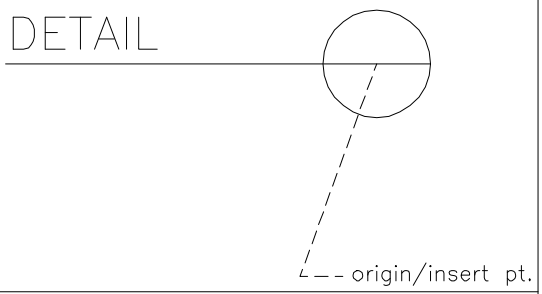
General GBREAK
Element Type: Symbol
Description: Break Line Symbol



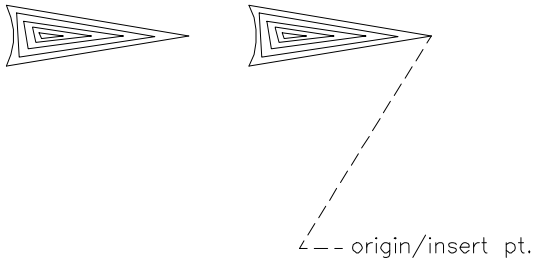
General GCONIN
Element Type: Symbol
Description: Control Elevation Indicator



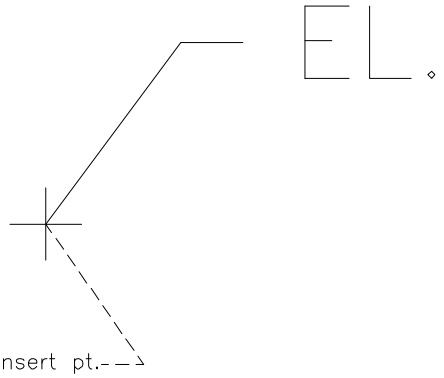
General GCONST
Element Type: Symbol
Description: Construction Limit CLS



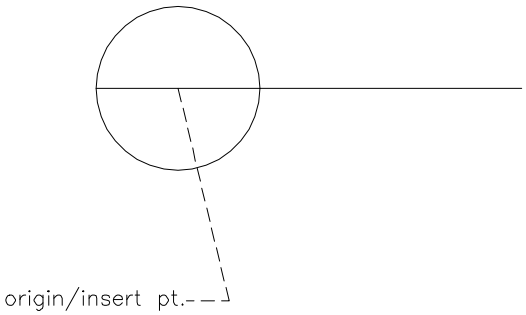
General GDETMK
Element Type: Symbol
Description: Detail Mark



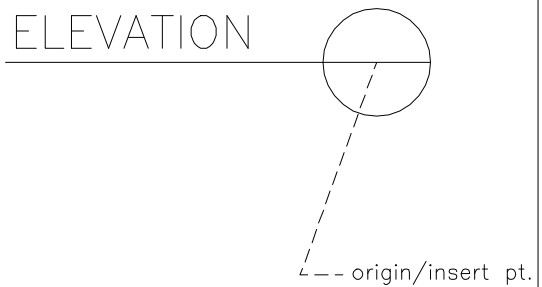
General GDBARR
Element Type: Symbol
Description: Double Arrow Termination



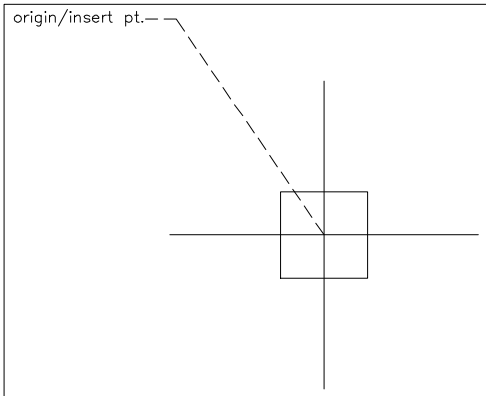
General GEELIN
Element Type: Symbol
Description: Existing Elevation Indicator



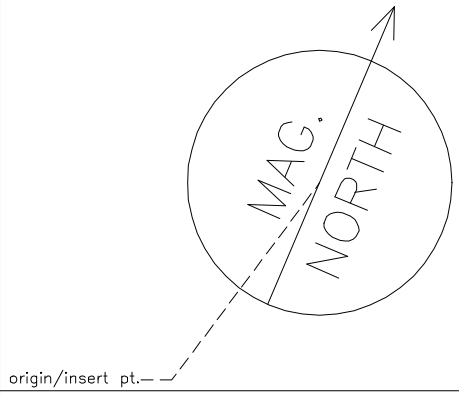
General GDETIN
Element Type: Symbol
Description: Indicator Detail



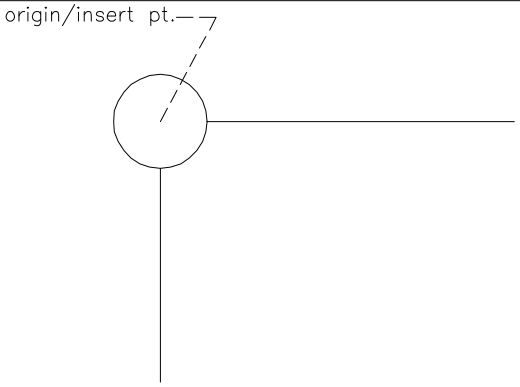
General GELEMK
Element Type: Symbol
Description: Elevation Marker



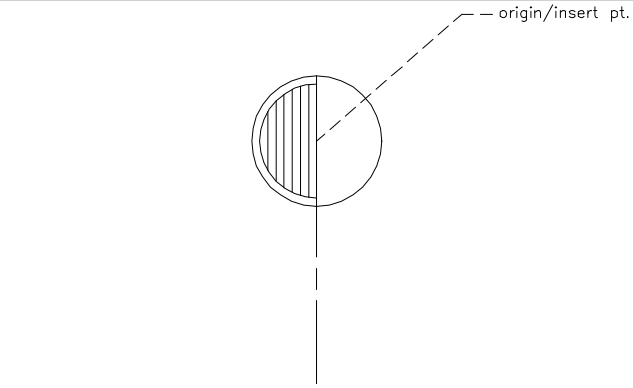
General GETPIN
Element Type: Symbol
Description: Existing Temporary Ground Point



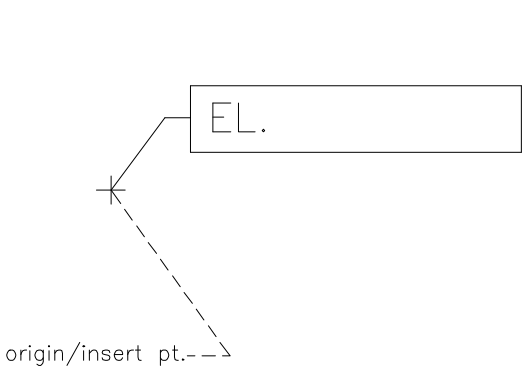
General GMANOR
Element Type: Symbol
Description: Magnetic North Arrow



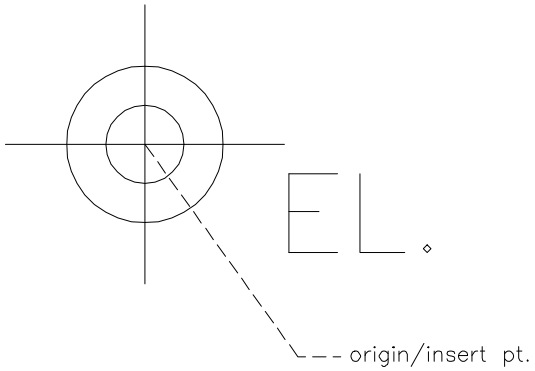
General GEXPIN
Element Type: Symbol
Description: Existing Property Corner Indicator



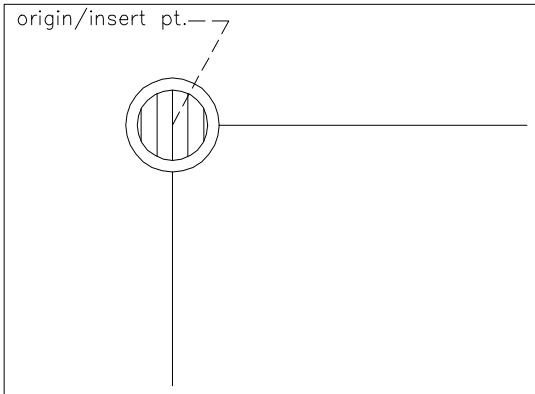
General GMATIN
Element Type: Symbol
Description: Match Line Indicator



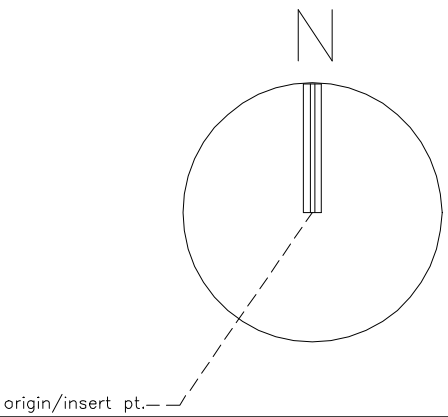
General GFELIN
Element Type: Symbol
Description: Finish Elevation Indicator



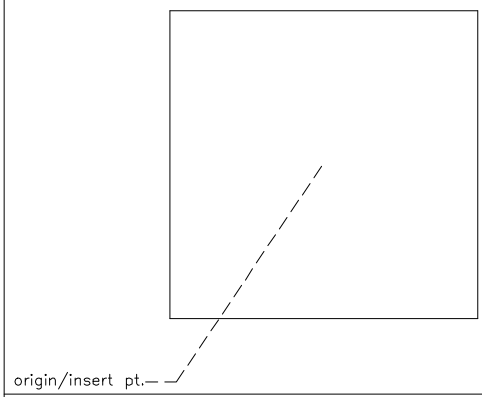
General GMONIN
Element Type: Symbol
Description: Monument Indicator



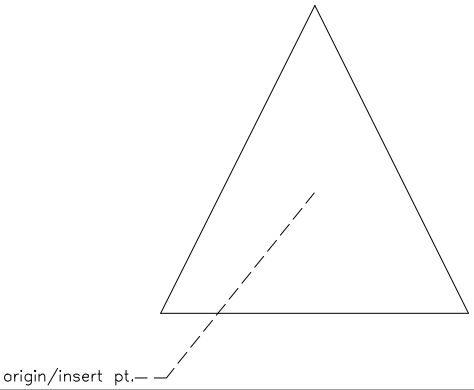
General GNEPIN
Element Type: Symbol
Description: New Property Corner Indicator



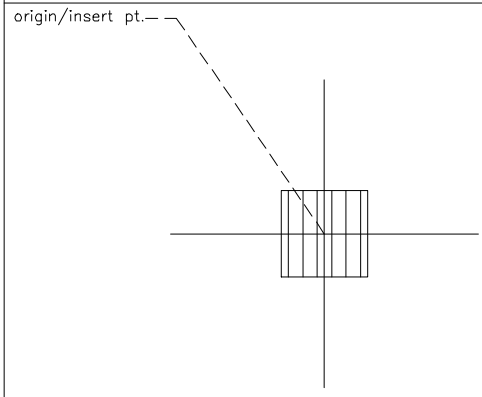
General GPRNOR
Element Type: Symbol
Description: North Point



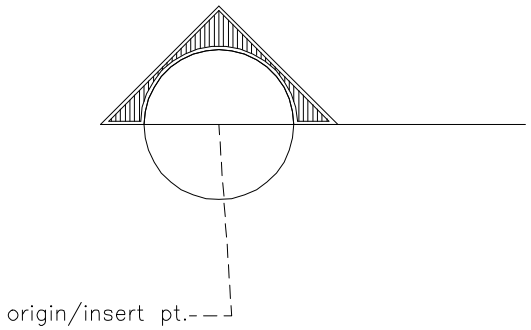
General GNOTIN
Element Type: Symbol
Description: Note Indicator



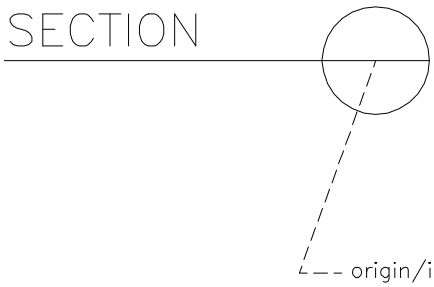
General GREVIN
Element Type: Symbol
Description: Revision Indicator



General GNTPIN
Element Type: Symbol
Description: New Temporary Ground Point Indicator



General GSECIN
Element Type: Symbol
Description: Section Indicator



General GSECMK
Element Type: Symbol
Description: Section Marker

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Element Type:
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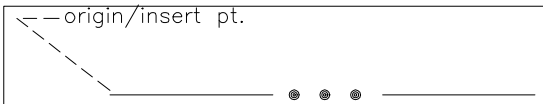
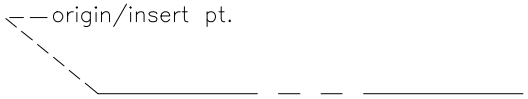
Description:

2 Survey and Mapping Lines Library

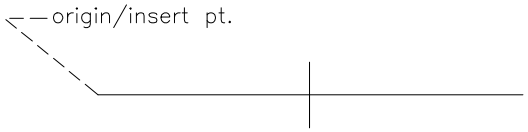


Survey & Mapping VDITCH
Element Type: Line
Description: Ditch Pattern

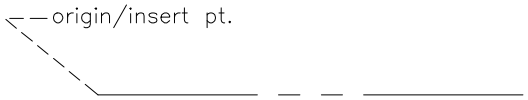
Survey & Mapping VFENCE
Element Type: Line
Description: Fence Symbol



Survey & Mapping VPRJBD
Element Type: Line
Description: Project Boundary Linear Pattern



Survey & Mapping VRROAD
Element Type: Line
Description: Single Railroad Symbol



Survey & Mapping VRTOWY
Element Type: Line
Description: Right of Way

Survey & Mapping VWTRLN
Element Type: Line
Description: Water or Pool Line

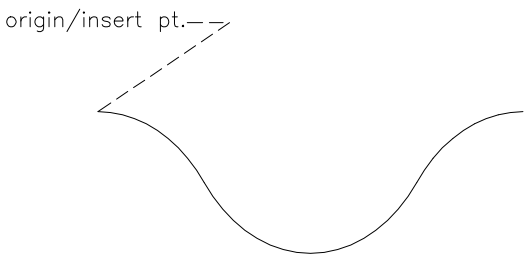
Line
Element Type:
Description:

Line
Element Type:
Description:

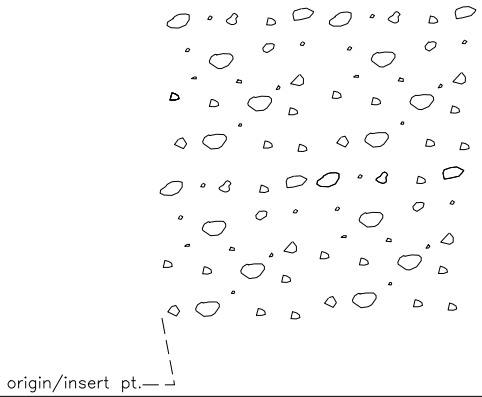
Line
Element Type:
Description:

Line
Element Type:
Description:

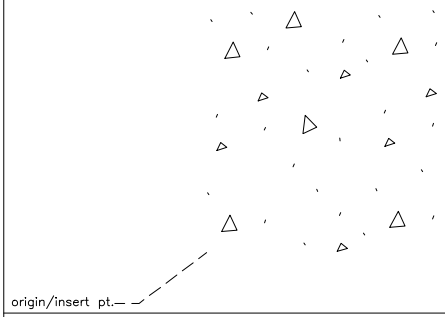
2 Survey and Mapping Patterns Library



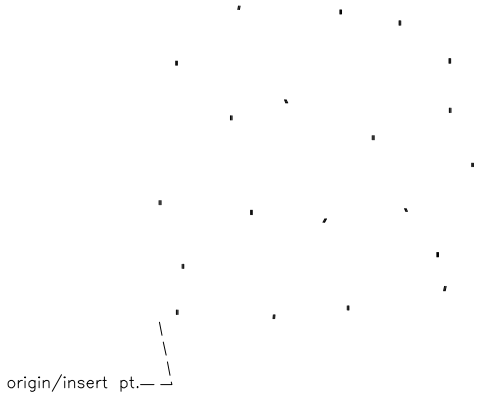
Survey & Mapping VCMP12
Element Type: Patterns
Description: CMP and 12 In. Diam Linear Pattern



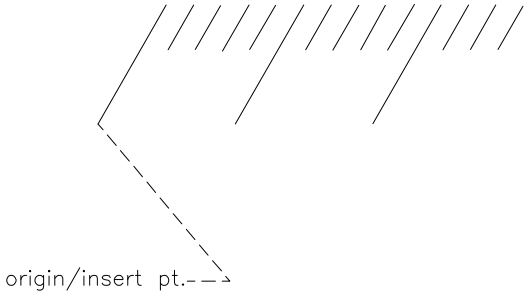
Survey & Mapping VGRAVL
Element Type: Patterns
Description: Gravel Area Pattern



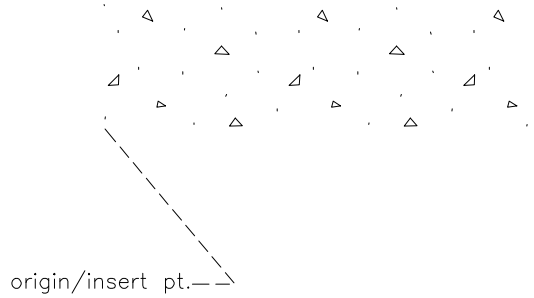
Survey & Mapping VCONCR
Element Type: Patterns
Description: Concrete Area Pattern



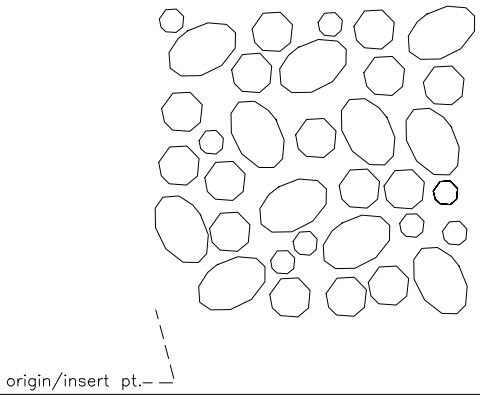
Survey & Mapping VGROUT
Element Type: Patterns
Description: Grout Area Pattern



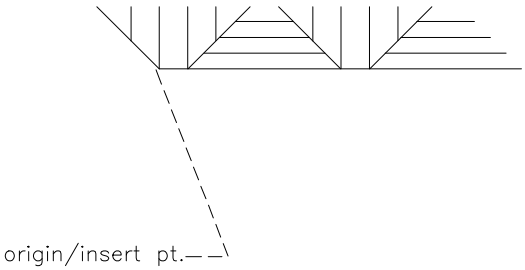
Survey & Mapping VFILLS
Element Type: Patterns
Description: Fill Section Linear Pattern



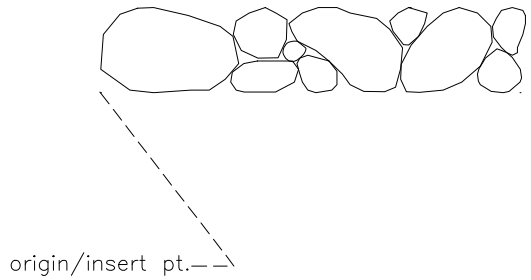
Survey & Mapping VLCONC
Element Type: Patterns
Description: Concrete Linear Pattern



Survey & Mapping VPORUS
Element Type: Patterns
Description: Porous Area Pattern

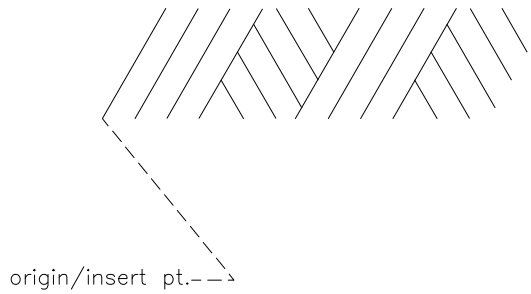


Survey & Mapping VXROCK
Element Type: Patterns
Description: Existing Rock Linear Pattern



Survey & Mapping VRPSEC
Element Type: Patterns
Description: Riprap X-section 1 In. Thick

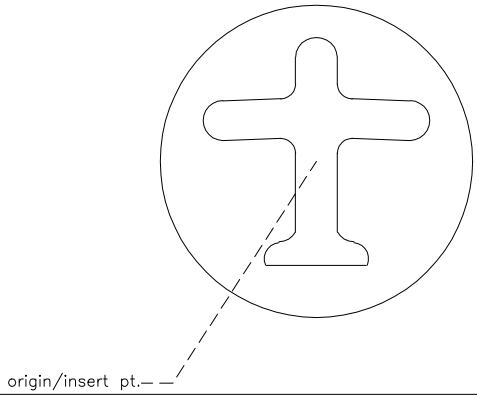
Survey & Mapping
Element Type:
Description:



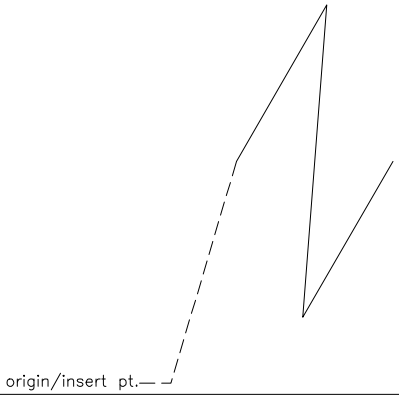
Survey & Mapping VXERTH
Element Type: Patterns
Description: Existing Earth Linear Pattern

Survey & Mapping
Element Type:
Description:

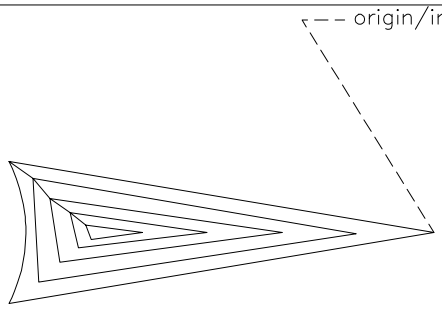
2 Survey and Mapping Symbols Library



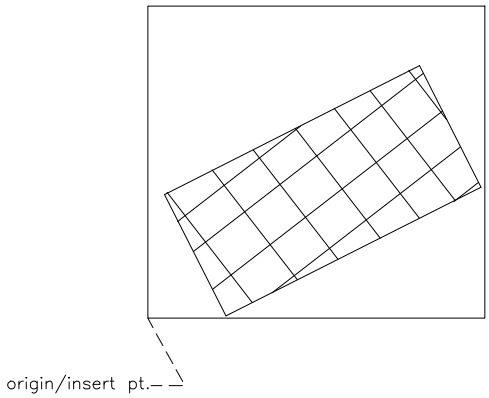
Survey & Mapping VAIRFD
Element Type: Symbols
Description: Airfield Symbol



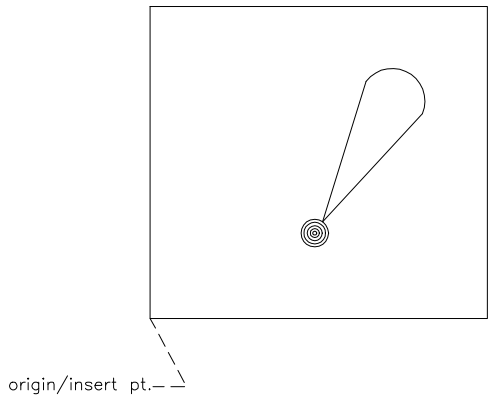
Survey & Mapping VBREAK
Element Type: Symbols
Description: Breakline Symbol



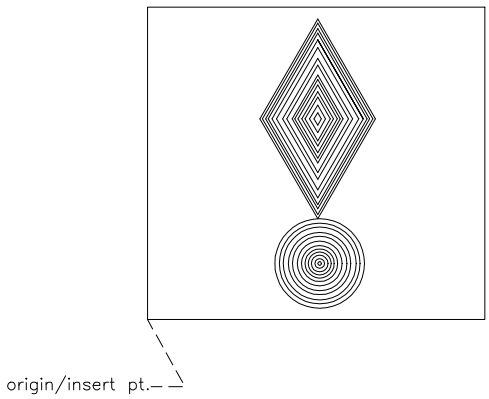
Survey & Mapping VARROW
Element Type: Symbols
Description: Arrow Head Symbol Point



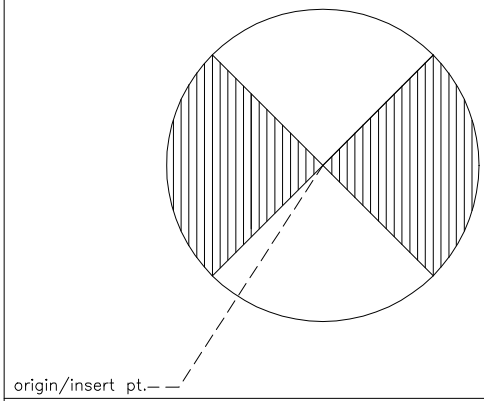
Survey & Mapping VCABCR
Element Type: Symbols
Description: Cable Crossing Zone



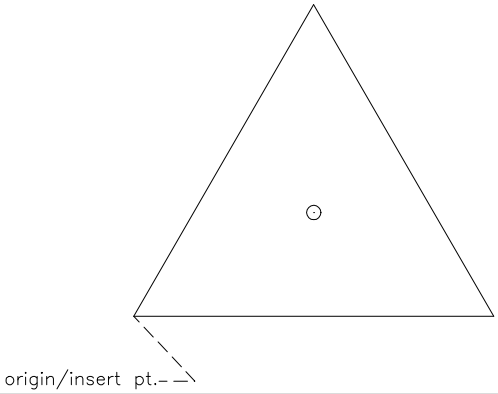
Survey & Mapping VBEACN
Element Type: Symbols
Description: Beacon



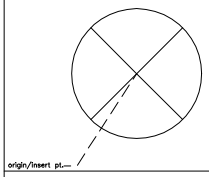
Survey & Mapping VCANBU
Element Type: Symbols
Description: Can Buoy



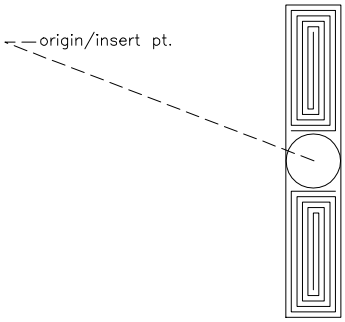
Survey & Mapping VCDHDR
Element Type: Symbols
Description: Core Drill Hole Drilled



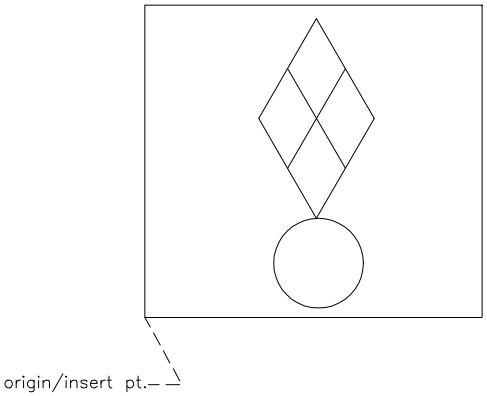
Survey & Mapping VCNMON
Element Type: Symbols
Description: Concrete Monument



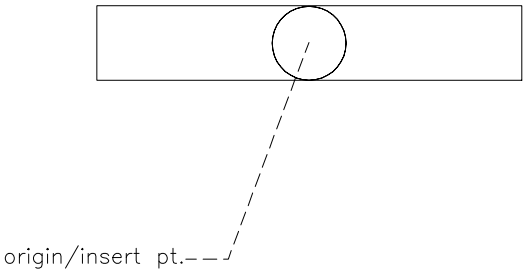
Survey & Mapping VCDHUD
Element Type: Symbols
Description: Core Drill Hole Undrilled



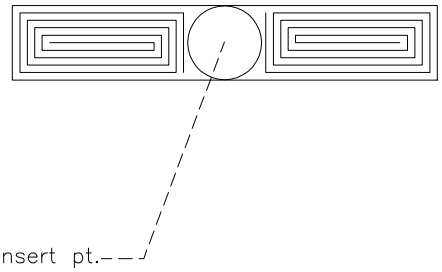
Survey & Mapping VCNR90
Element Type: Symbols
Description: Corner Solid 90



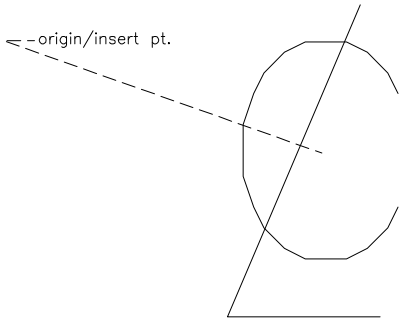
Survey & Mapping VCHECB
Element Type: Symbols
Description: Checkerd Buoy



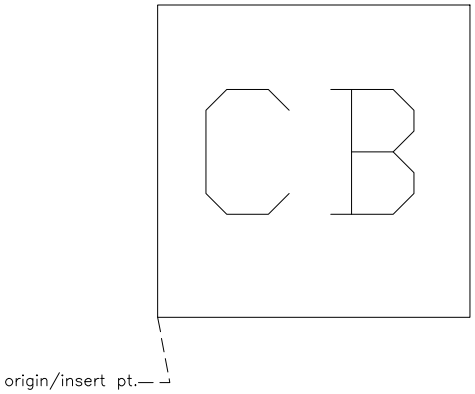
Survey & Mapping VCNRNF
Element Type: Symbols
Description: Corner Not Found



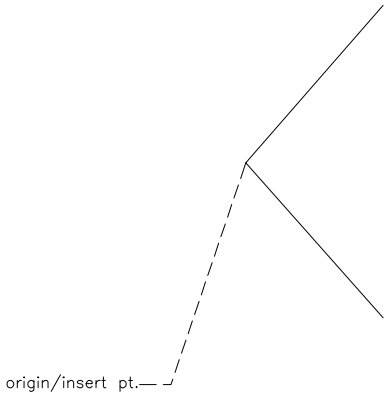
Survey & Mapping VCNRSF
Element Type: Symbols
Description: Corner Solid Flat



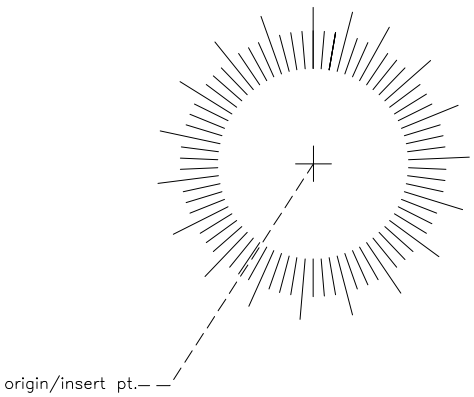
Survey & Mapping VCTRLN
Element Type: Symbols
Description: Centerline Symbol



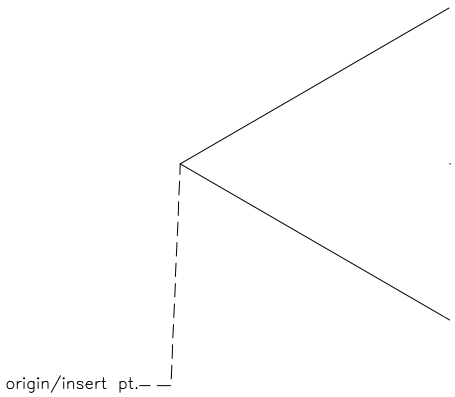
Survey & Mapping VCTBSN
Element Type: Symbols
Description: Catch Basin



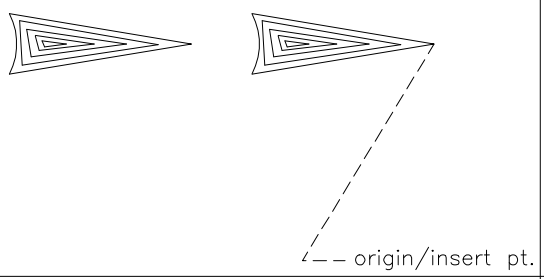
Survey & Mapping VCULVE
Element Type: Symbols
Description: Culvert End Symbol



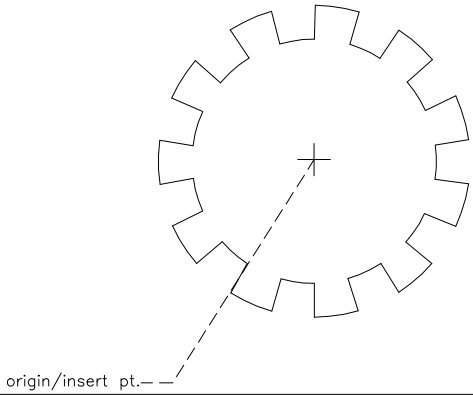
Survey & Mapping VCTREE
Element Type: Symbols
Description: Coniferous Tree



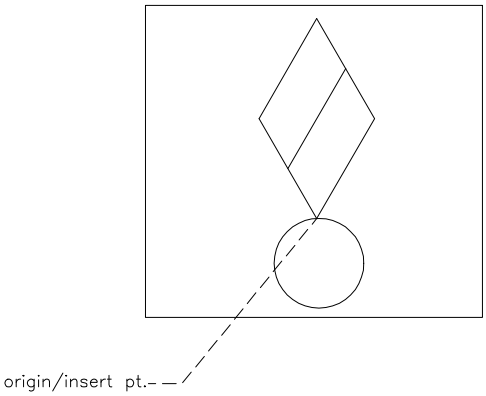
Survey & Mapping VCUTLT
Element Type: Symbols
Description: Cut Symbol Line Terminator



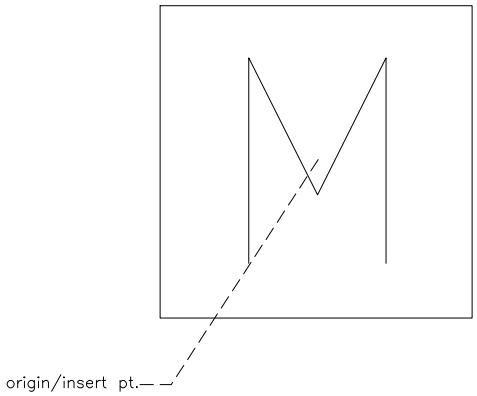
Survey & Mapping VDARRW
Element Type: Symbols
Description: Double Arrow Terminator



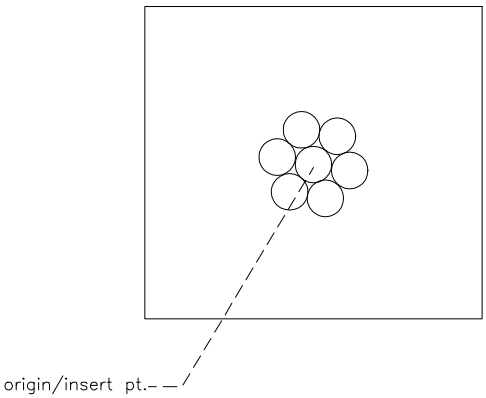
Survey & Mapping VDTREE
Element Type: Symbols
Description: Deciduous Tree



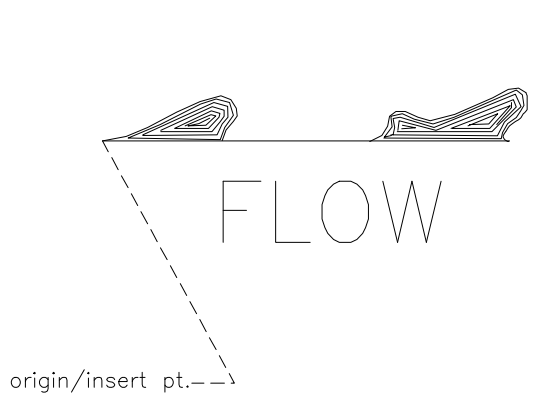
Survey & Mapping VDIABB
Element Type: Symbols
Description: Diagonal Bands Bouy



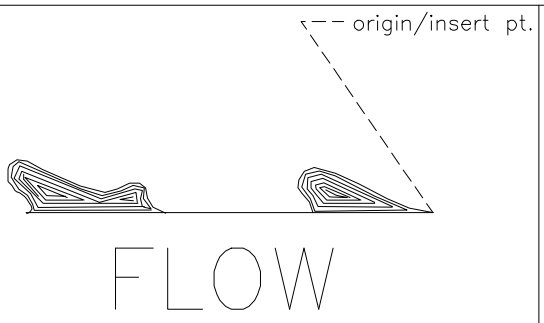
Survey & Mapping VEMANH
Element Type: Symbols
Description: Electric Manhole



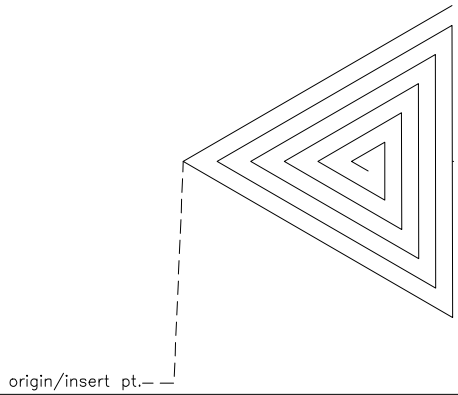
Survey & Mapping VDOLPH
Element Type: Symbols
Description: Dolphin



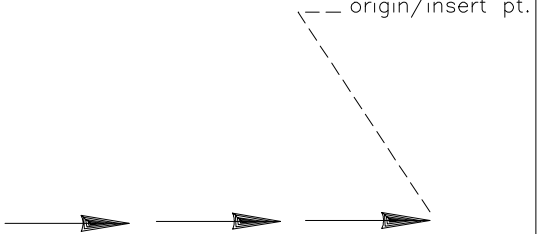
Survey & Mapping VFARRL
Element Type: Symbols
Description: Flow Arrow Left in 0 Point



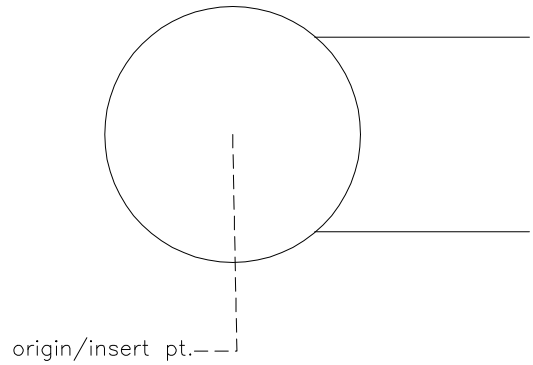
Survey & Mapping VFARRR
Element Type: Symbols
Description: Flow Arrow Right in 0 Point



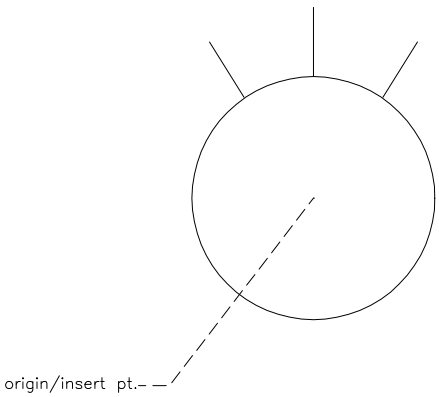
Survey & Mapping VFILLT
Element Type: Symbols
Description: Fill Symbol Line Terminator



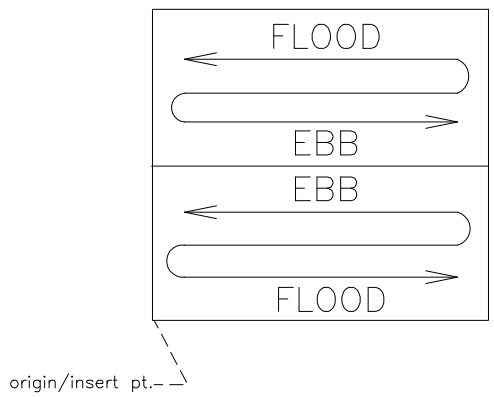
Survey & Mapping VFARRW
Element Type: Symbols
Description: Flow Arrows



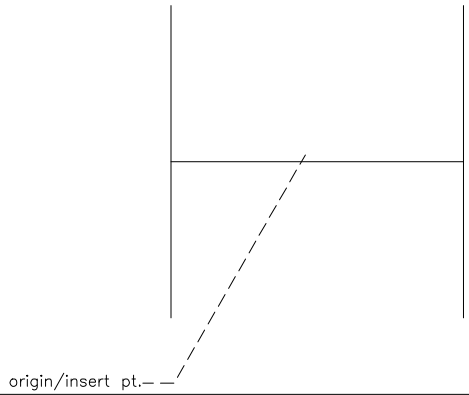
Survey & Mapping VFLDLT
Element Type: Symbols
Description: Floodlight



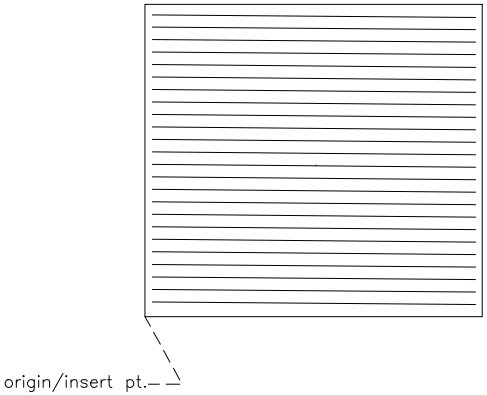
Survey & Mapping VFHYDR
Element Type: Symbols
Description: Fire Hydrant



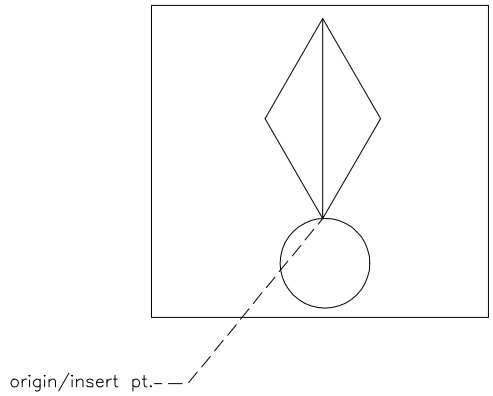
Survey & Mapping VFLEBB
Element Type: Symbols
Description: Flood and Ebb



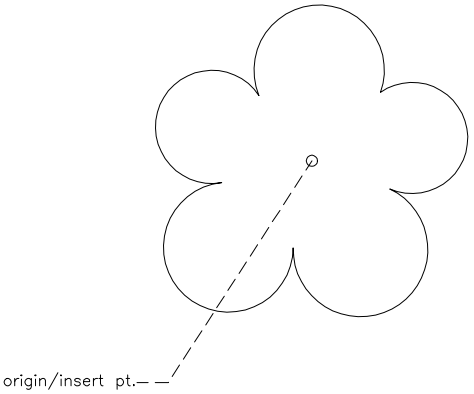
Survey & Mapping VFLGTE
Element Type: Symbols
Description: Flood Gate



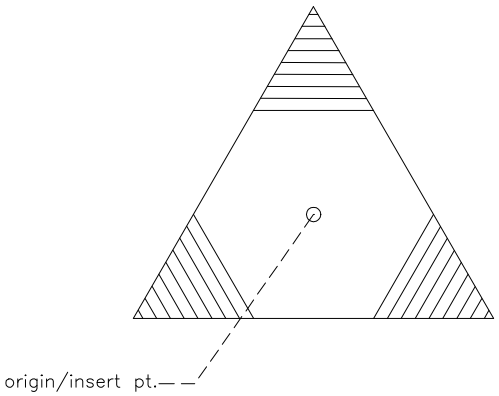
Survey & Mapping VGRDAY
Element Type: Symbols
Description: Green Day Marker



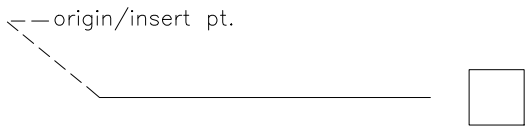
Survey & Mapping VFLSRB
Element Type: Symbols
Description: Flashing Red Bouy



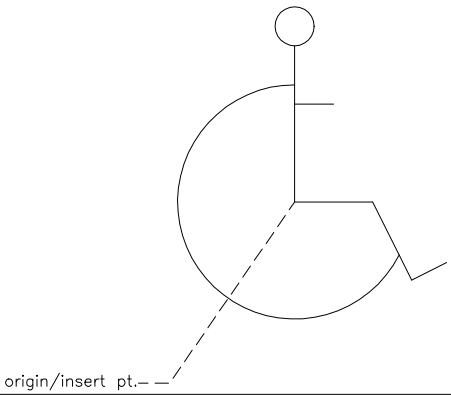
Survey & Mapping VGTREE
Element Type: Symbols
Description: Generic Tree Symbol



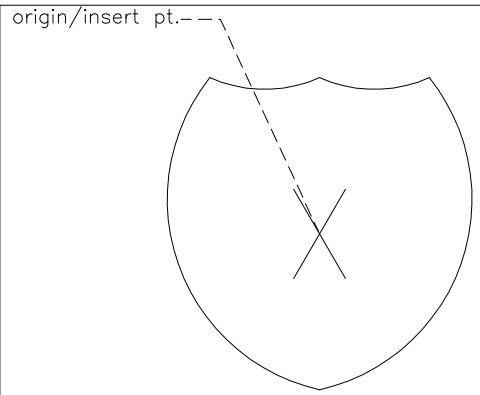
Survey & Mapping VGPSMN
Element Type: Symbols
Description: GPS Monument



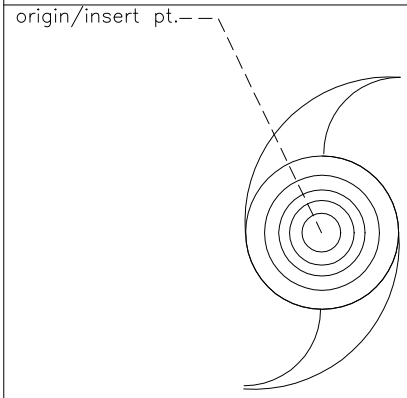
Survey & Mapping VGUARD
Element Type: Symbols
Description: Guardrail



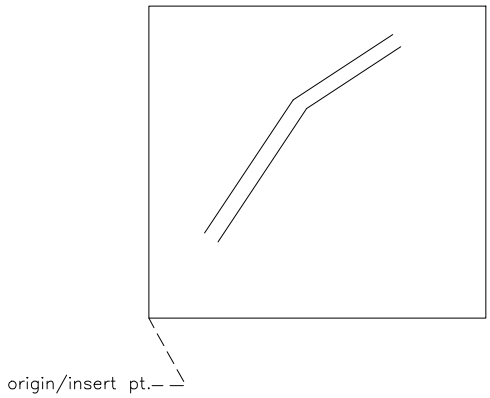
Survey & Mapping VHNDCP
Element Type: Symbols
Description: Handicap Chair Symbol



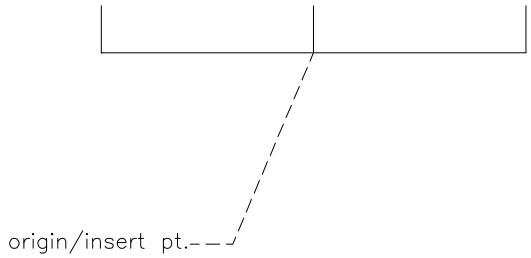
Survey & Mapping VINHWY
Element Type: Symbols
Description: Interstate Hiway Symbol



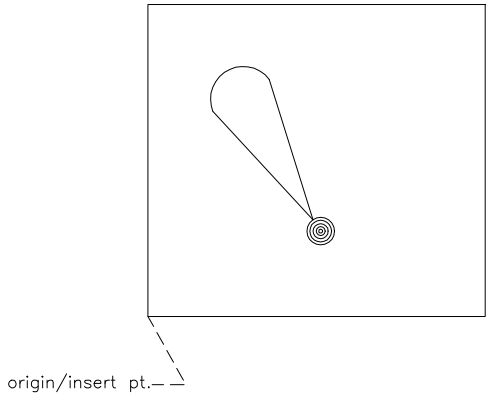
Survey & Mapping VHREYE
Element Type: Symbols
Description: Hurricane Eye



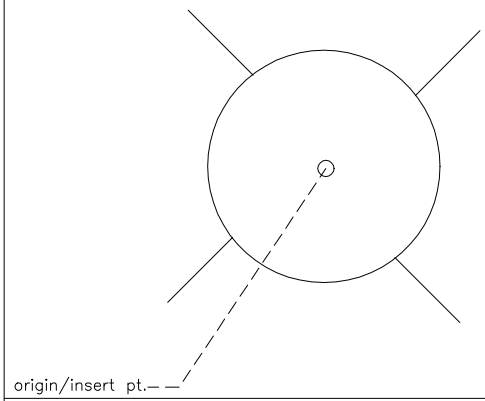
Survey & Mapping VJETTY
Element Type: Symbols
Description: Jetty



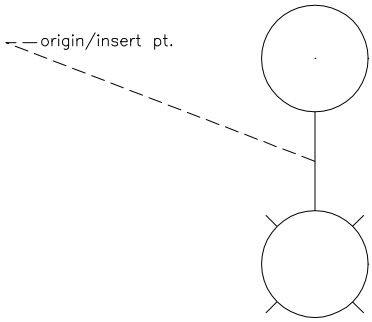
Survey & Mapping VINDDC
Element Type: Symbols
Description: Index Depth Contour



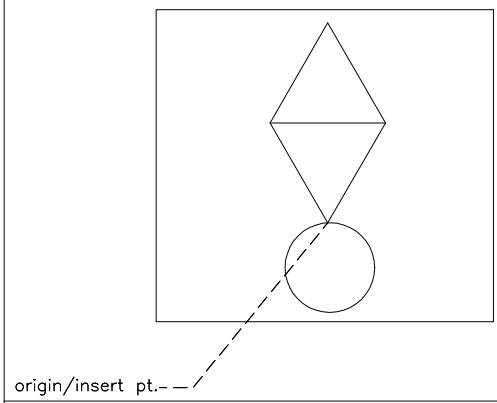
Survey & Mapping VLBEAC
Element Type: Symbols
Description: Lighted Beacon



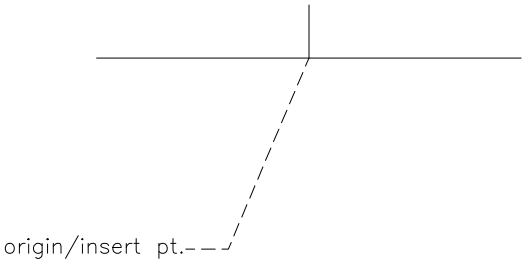
Survey & Mapping VLPOLE
Element Type: Symbols
Description: Light Pole



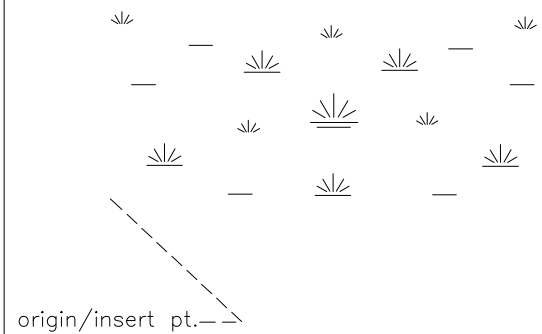
Survey & Mapping VLTOPP
Element Type: Symbols
Description: Light on Power Pole



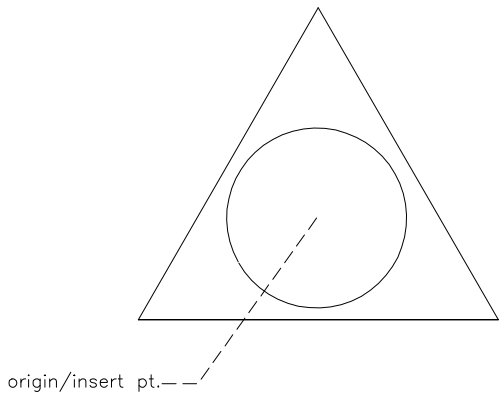
Survey & Mapping VLRBOY
Element Type: Symbols
Description: Lighted Red Bouy



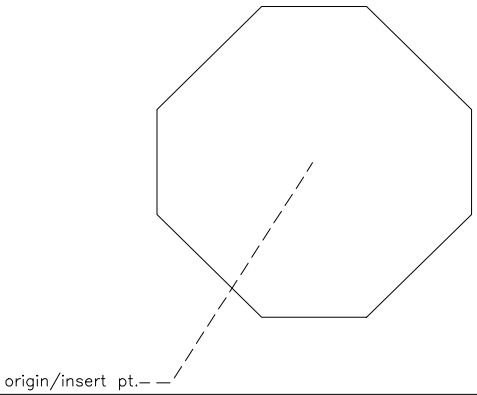
Survey & Mapping VMINDC
Element Type: Symbols
Description: Minor Depth Contour



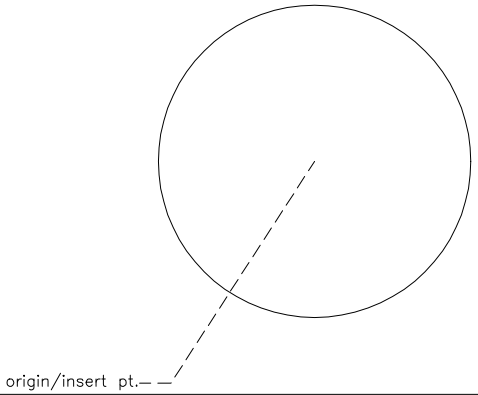
Survey & Mapping VLSWMP
Element Type: Symbols
Description: Large Swamp



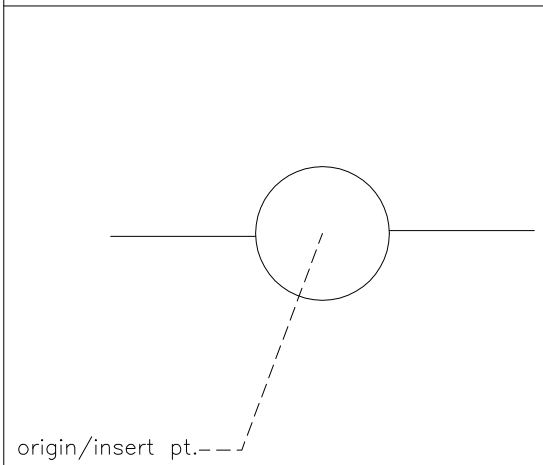
Survey & Mapping VMONBM
Element Type: Symbols
Description: Monument Bench Mark



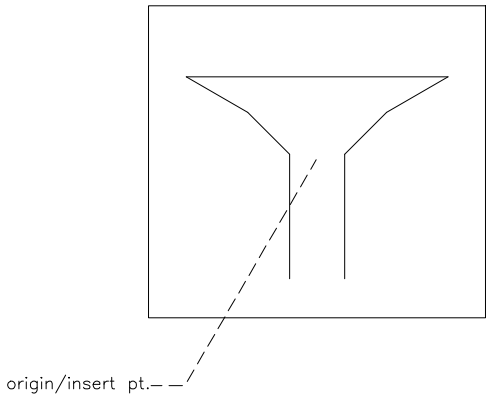
Survey & Mapping VMWELL
Element Type: Symbols
Description: Monitor Well



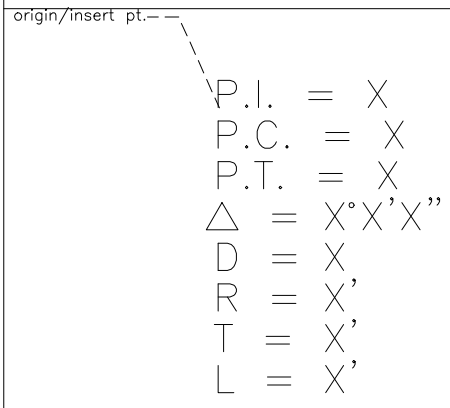
Survey & Mapping VPILED
Element Type: Symbols
Description: Piling Dolphin



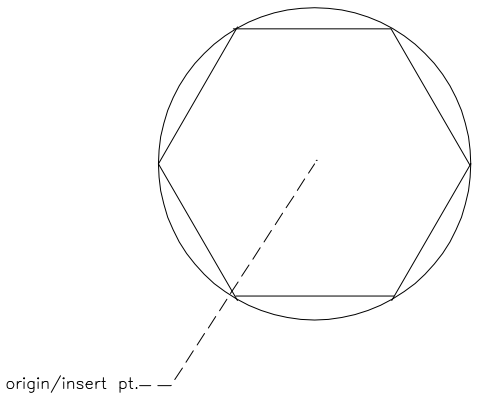
Survey & Mapping VORVMM
Element Type: Symbols
Description: Open River Mile Marker



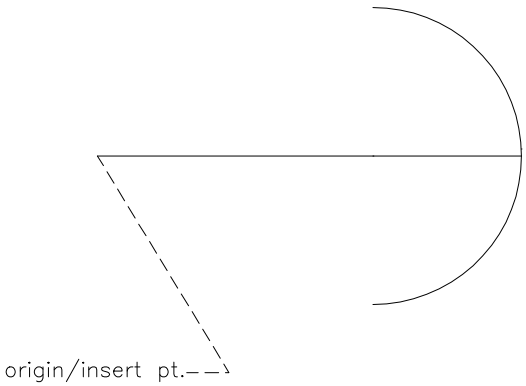
Survey & Mapping VPIPEO
Element Type: Symbols
Description: Pipe Outtflow



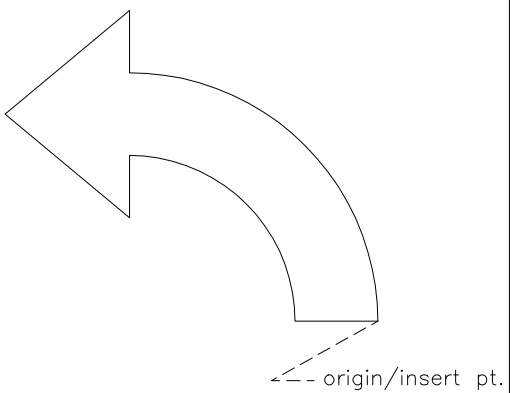
Survey & Mapping VPIINF
Element Type: Symbols
Description: PI Information



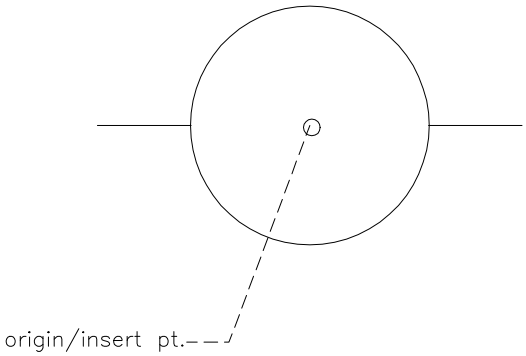
Survey & Mapping VPLHUB
Element Type: Symbols
Description: Plastic Hub



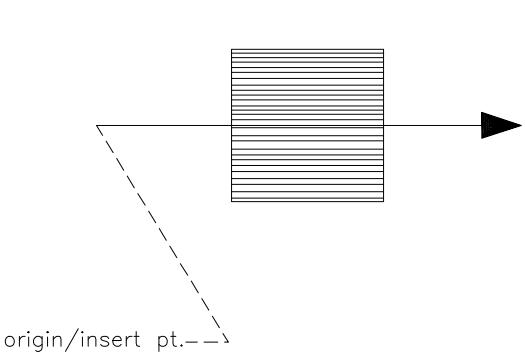
Survey & Mapping VPOLES
Element Type: Symbols
Description: Pole Support



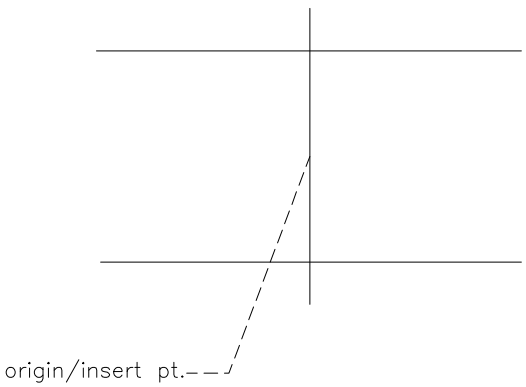
Survey & Mapping VPTARW
Element Type: Symbols
Description: Parking Turn Arrow



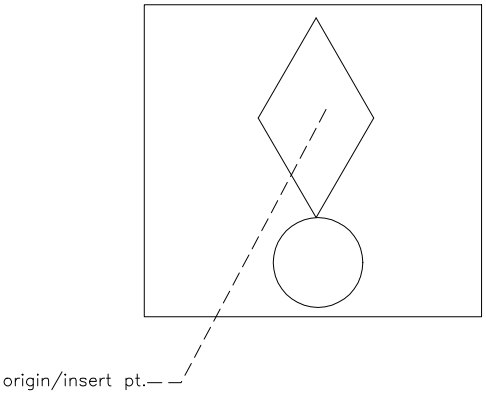
Survey & Mapping VPPOLE
Element Type: Symbols
Description: Power Pole



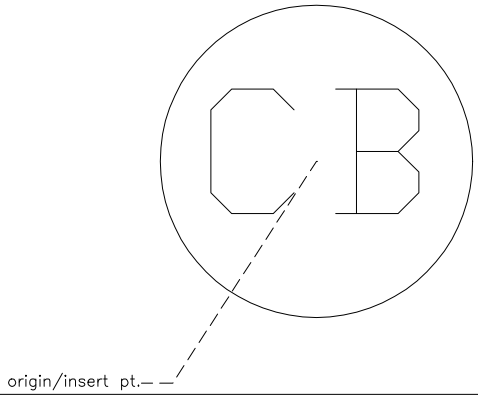
Survey & Mapping VPUMPS
Element Type: Symbols
Description: Pumping Station



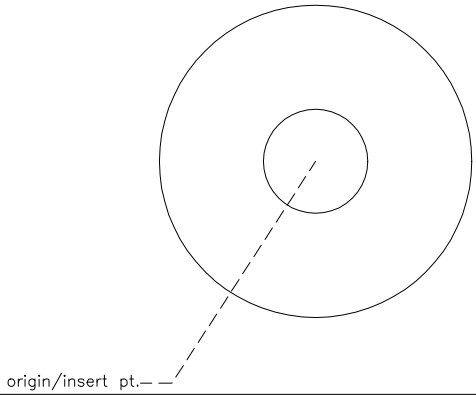
Survey & Mapping VPRAIL
Element Type: Symbols
Description: Parallel Rail



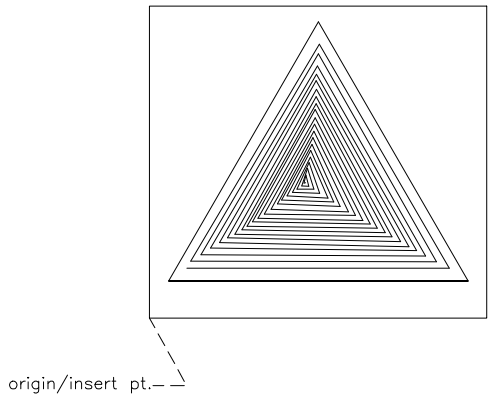
Survey & Mapping VRBUOY
Element Type: Symbols
Description: Red Bouy



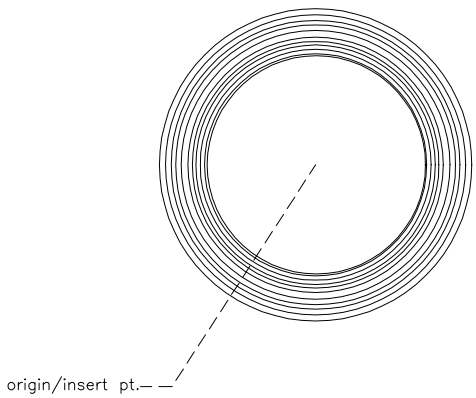
Survey & Mapping VRCBSN
Element Type: Symbols
Description: Round Catch Basin



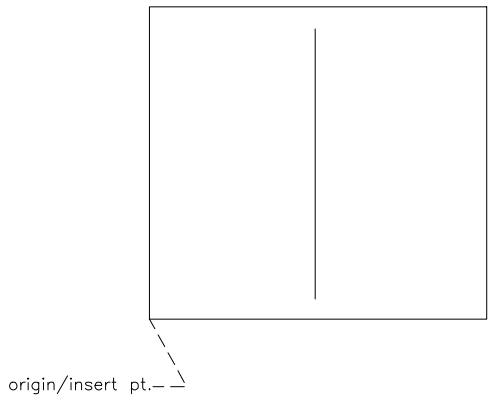
Survey & Mapping VRMANH
Element Type: Symbols
Description: Round Manhole



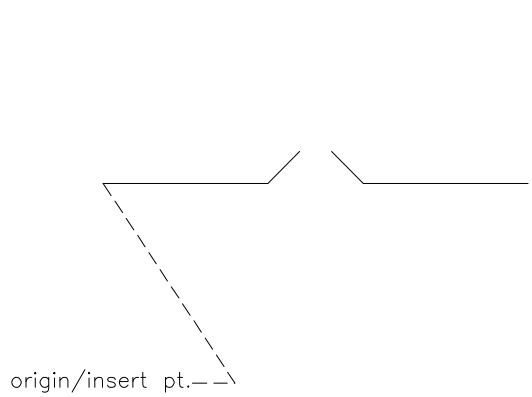
Survey & Mapping VRDDAY
Element Type: Symbols
Description: Red Day Marker



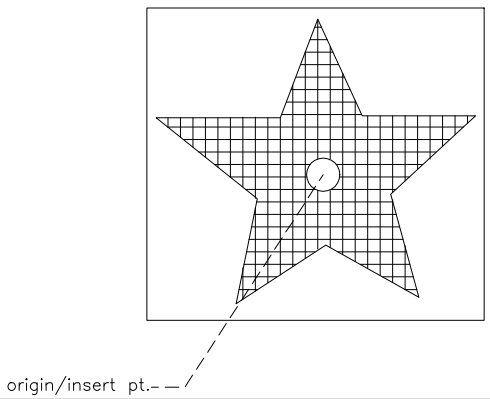
Survey & Mapping VRODBM
Element Type: Symbols
Description: Rod Bench Mark



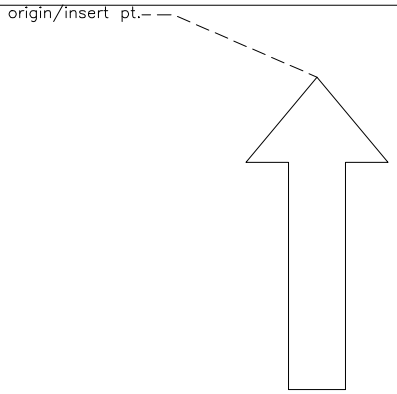
Survey & Mapping VRGEEX
Element Type: Symbols
Description: Range Extension



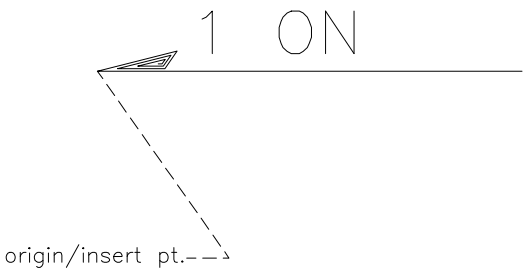
Survey & Mapping VRPRAP
Element Type: Symbols
Description: Plan View New York



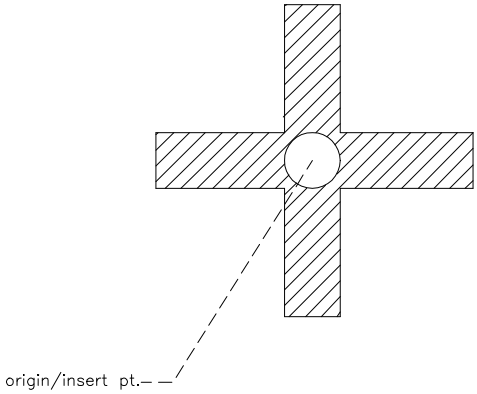
Survey & Mapping VRSTAR
Element Type: Symbols
Description: Range Star



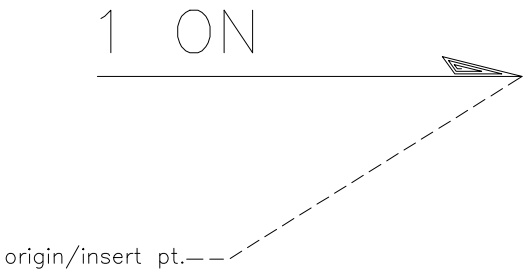
Survey & Mapping VSDARW
Element Type: Symbols
Description: Straight Direction Arrow



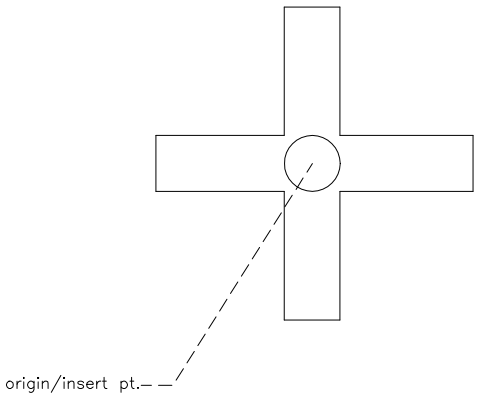
Survey & Mapping VSARWL
Element Type: Symbols
Description: Slope Arrow W Enter Data Field



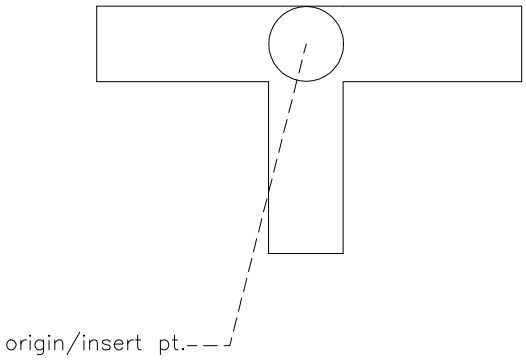
Survey & Mapping VSECCH
Element Type: Symbols
Description: Section Corner Hatched



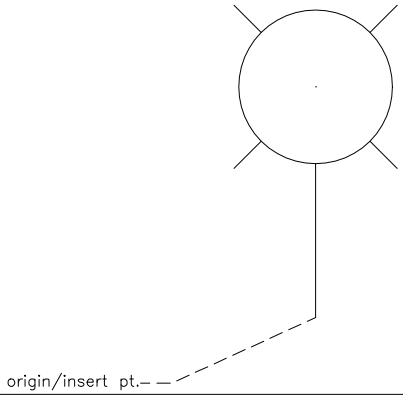
Survey & Mapping VSARWR
Element Type: Symbols
Description: Slope Arrow W Enter Data Field



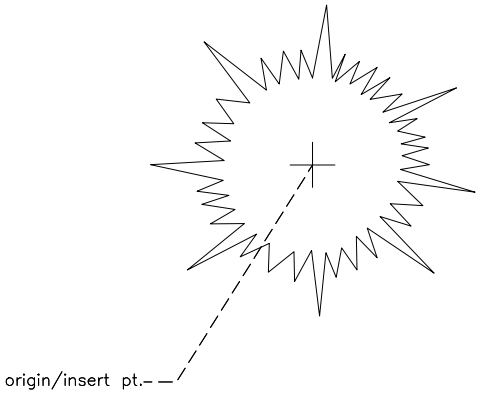
Survey & Mapping VSECCO
Element Type: Symbols
Description: Section Corner Open



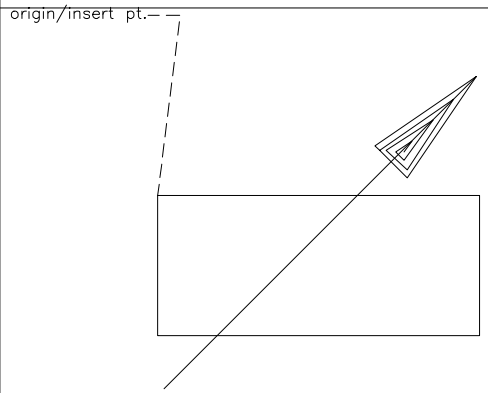
Survey & Mapping VSECCT
Element Type: Symbols
Description: Section Corner T Open



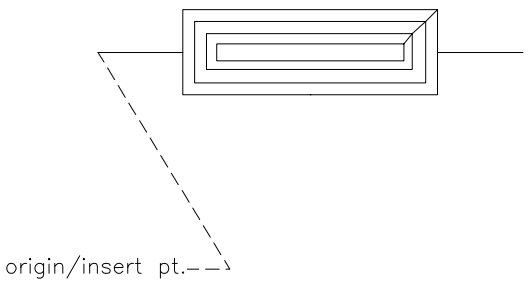
Survey & Mapping VSLITE
Element Type: Symbols
Description: Street Light



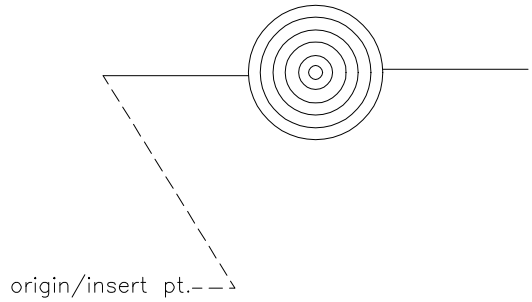
Survey & Mapping VSHRUB
Element Type: Symbols
Description: Coniferous Shrub



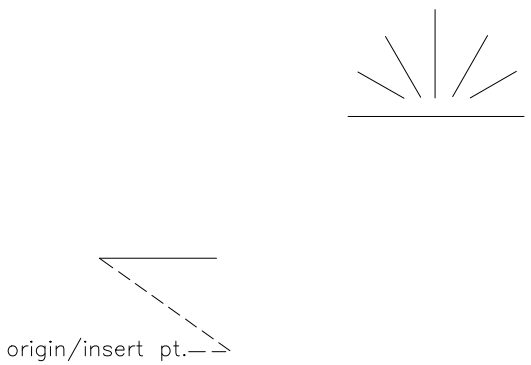
Survey & Mapping VSLREG
Element Type: Symbols
Description: St. Light Regulator



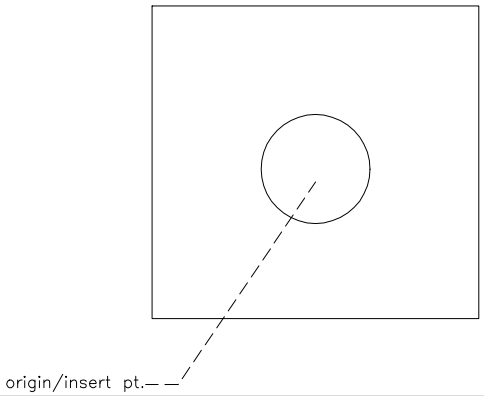
Survey & Mapping VSIGNS
Element Type: Symbols
Description: Sign



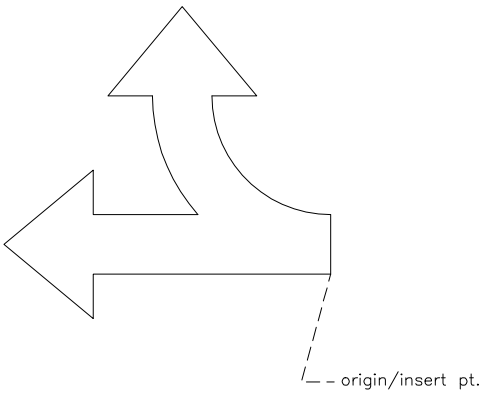
Survey & Mapping VSORMM
Element Type: Symbols
Description: Solid River Mile Marker



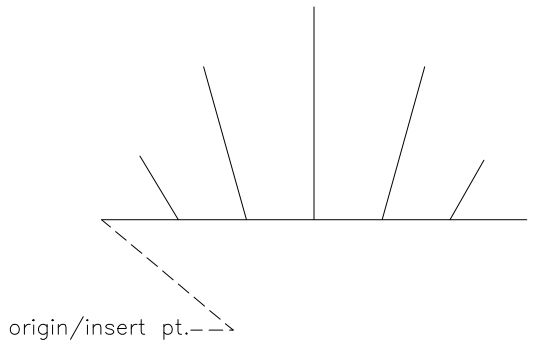
Survey & Mapping VSSWMP
Element Type: Symbols
Description: Single Swamp



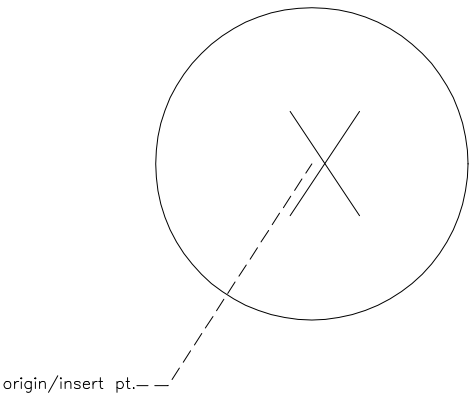
Survey & Mapping VSTPIT
Element Type: Symbols
Description: Steam Pit



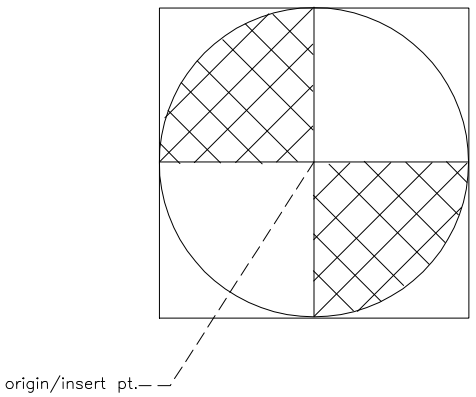
Survey & Mapping VSTARW
Element Type: Symbols
Description: Straight and Turn Arrow



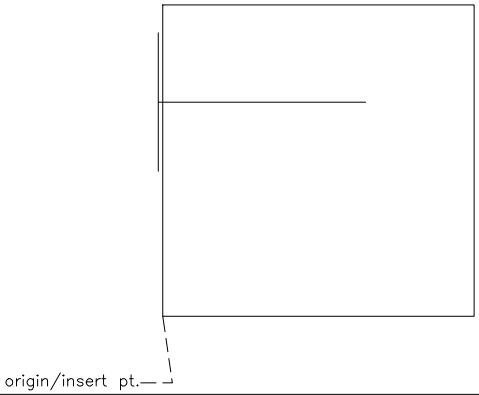
Survey & Mapping VSWAMP
Element Type: Symbols
Description: Swamp Symbol



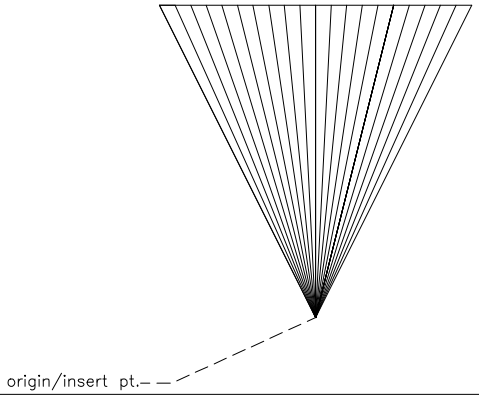
Survey & Mapping VSTHWY
Element Type: Symbols
Description: State Hiway Symbol



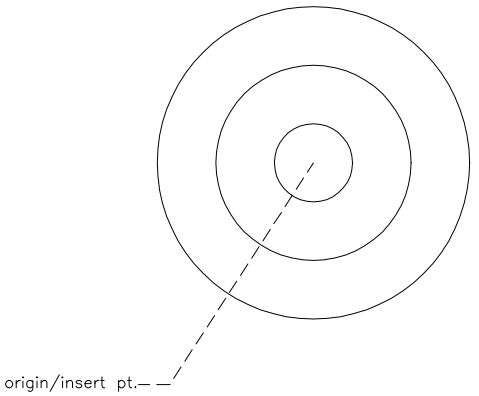
Survey & Mapping VTIDEG
Element Type: Symbols
Description: Tide Gage



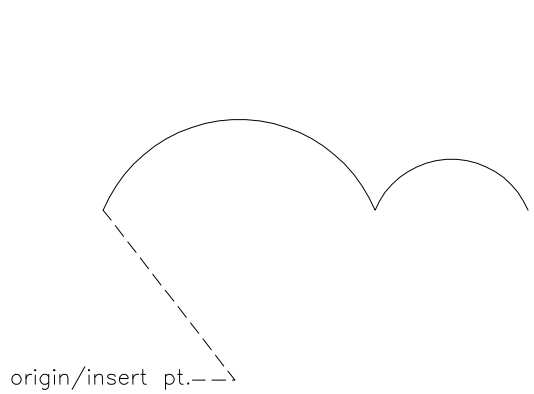
Survey & Mapping VTMANH
Element Type: Symbols
Description: Telephone Manhole



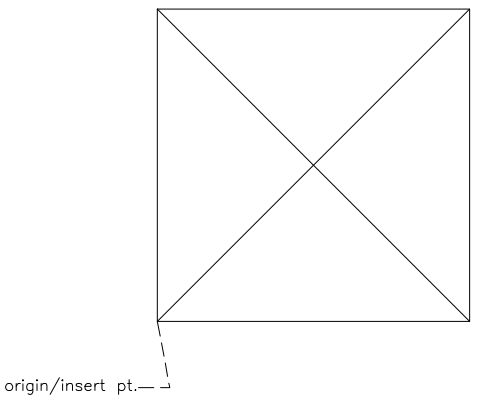
Survey & Mapping VTRANF
Element Type: Symbols
Description: Transformer



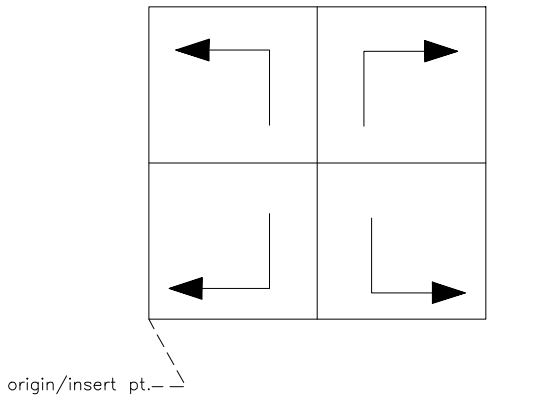
Survey & Mapping VTMDOT
Element Type: Symbols
Description: Terminator Dot



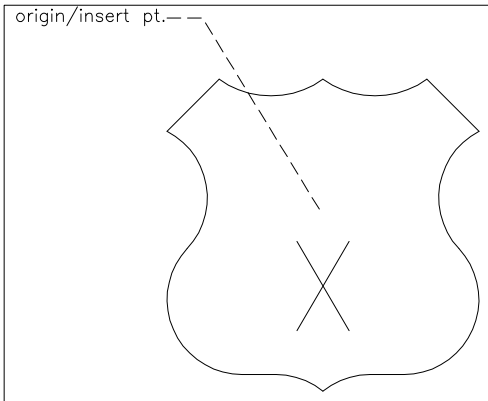
Survey & Mapping VTREEL
Element Type: Symbols
Description: Tree Line Symbol



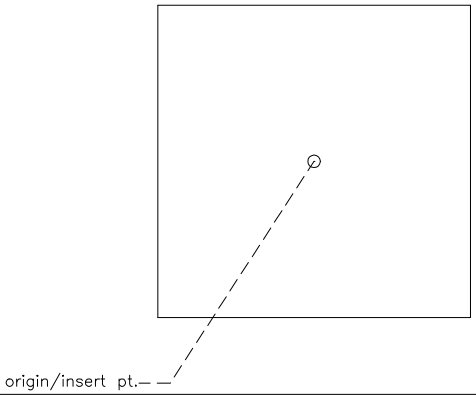
Survey & Mapping VTOWER
Element Type: Symbols
Description: Transmission Tower



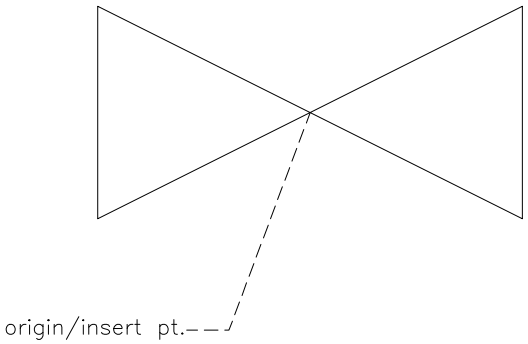
Survey & Mapping VTSECT
Element Type: Symbols
Description: Typical Section Cut



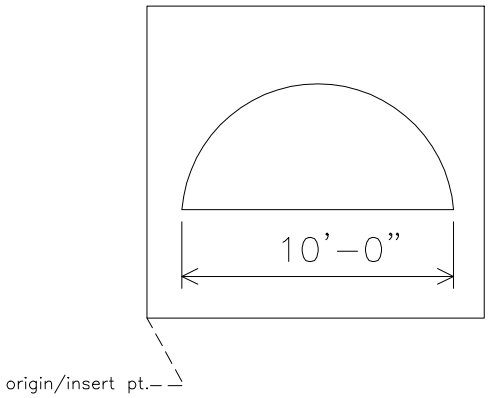
Survey & Mapping VUSHWY
Element Type: Symbols
Description: US Hiway Symbol



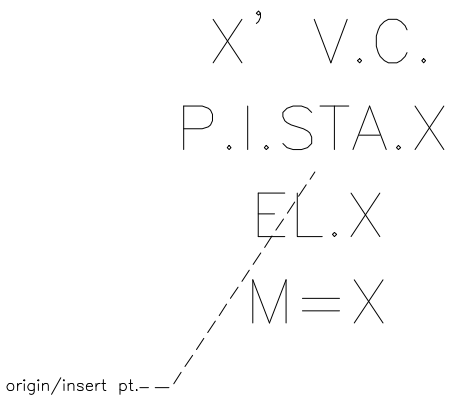
Survey & Mapping VWDHUB
Element Type: Symbols
Description: Wooden Hub



Survey & Mapping VVALVE
Element Type: Symbols
Description: Valve



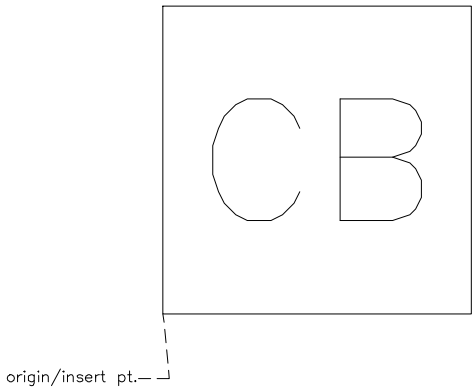
Survey & Mapping VWEIRS
Element Type: Symbols
Description: Weir



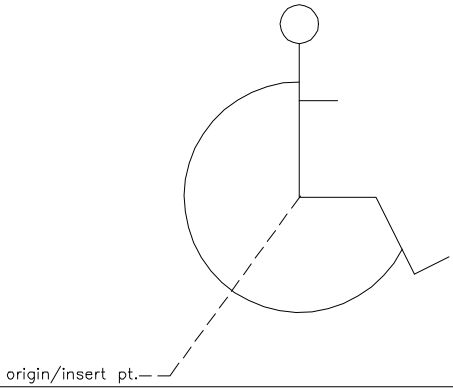
Survey & Mapping VVCDAT
Element Type: Symbols
Description: Vertical Curve Data

Survey & Mapping
Element Type:
Description:

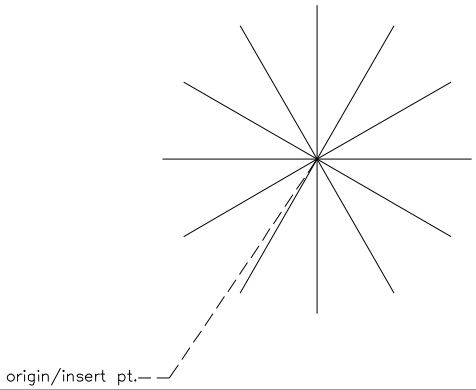
3 HTRW/Environmental Symbols Library



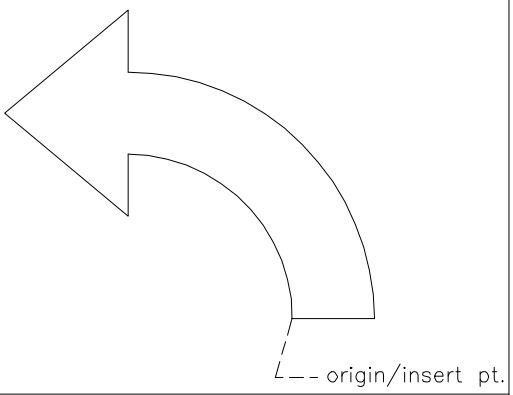
HTRW / Environmental CCABAS
Element Type: Symbol
Description: Catch Basin



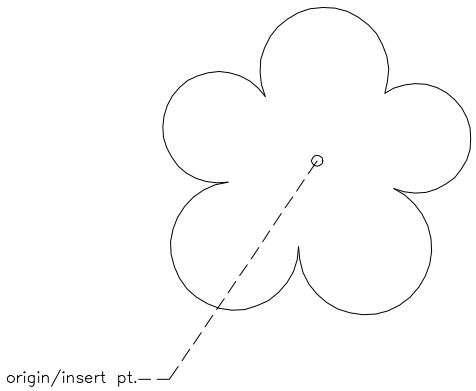
HTRW / Environmental CHANDI
Element Type: Symbol
Description: Handicap Chair Symbol



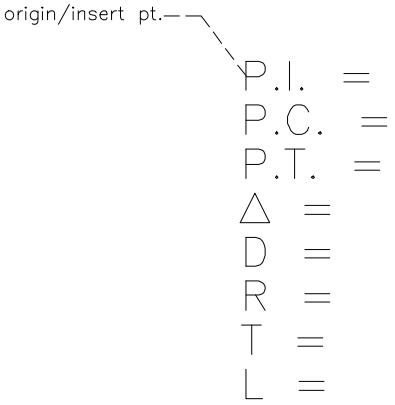
HTRW / Environmental CCTREE
Element Type: Symbol
Description: Coniferous Tree



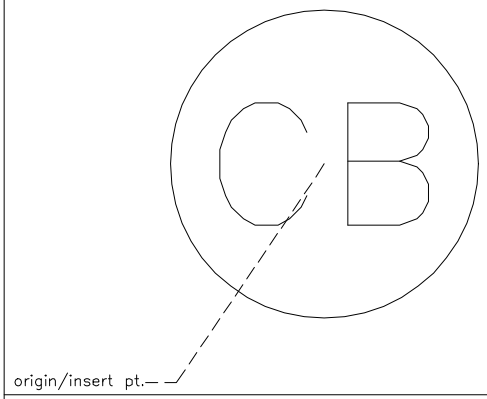
HTRW / Environmental CPARTA
Element Type: Symbol
Description: Parking Turn Arrow



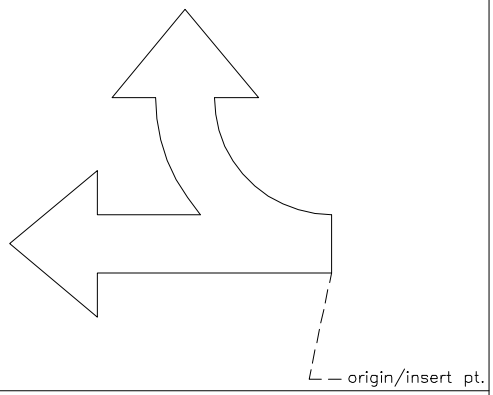
HTRW / Environmental CGTREE
Element Type: Symbol
Description: Generic Tree Symbol



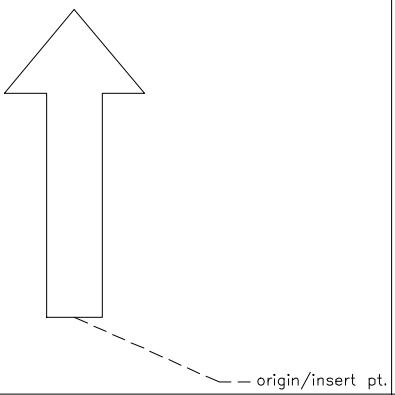
HTRW / Environmental CPIDAT
Element Type: Symbol
Description: PI Information



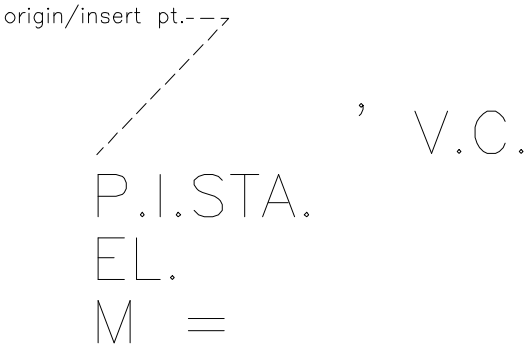
HTRW / Environmental CRDBSN
Element Type: Symbol
Description: Round Catch Basin



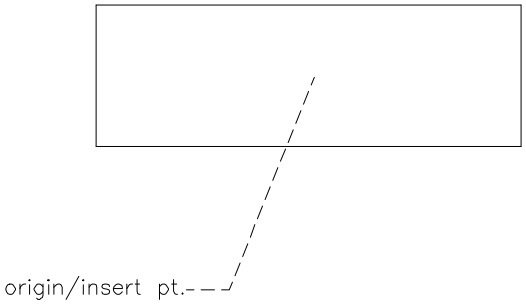
HTRW / Environmental CSTATA
Element Type: Symbol
Description: Straight and Turn Arrow



HTRW / Environmental CSDIRA
Element Type: Symbol
Description: Straight Direction Arrow



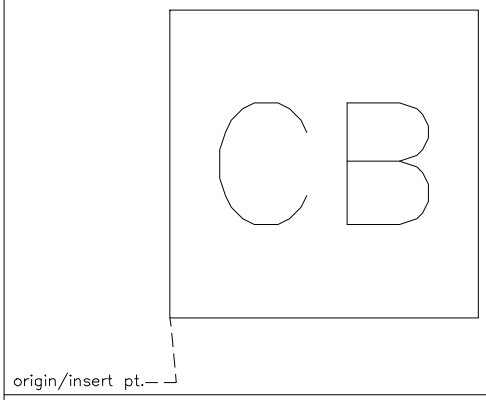
HTRW / Environmental CVDATA
Element Type: Symbol
Description: Vertical Curve Data



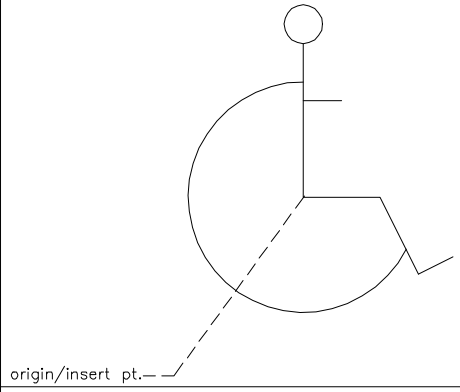
HTRW / Environmental CSIGN
Element Type: Symbol
Description: Sign

HTRW / Environmental
Element Type:
Description:

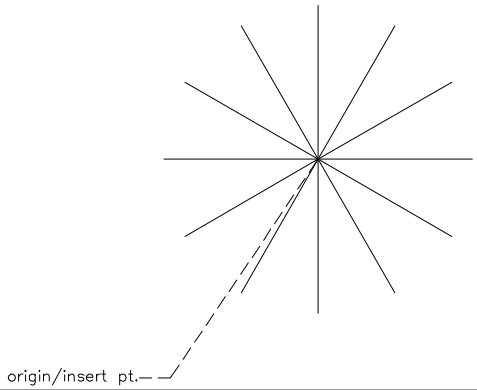
4 Civil/Site Symbols Library



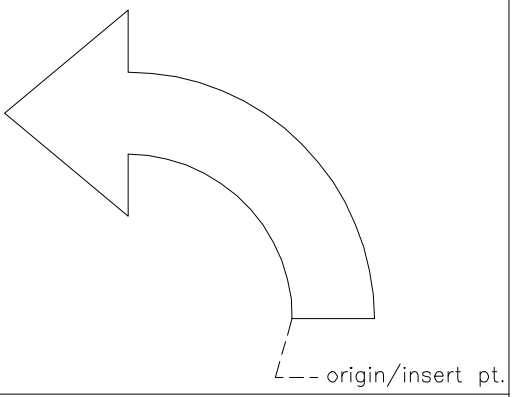
Civil / Site CCABAS
Element Type: Symbol
Description: Catch Basin



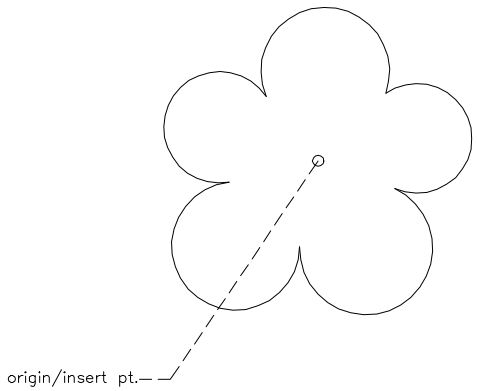
Civil / Site CHANDI
Element Type: Symbol
Description: Handicap Chair Symbol



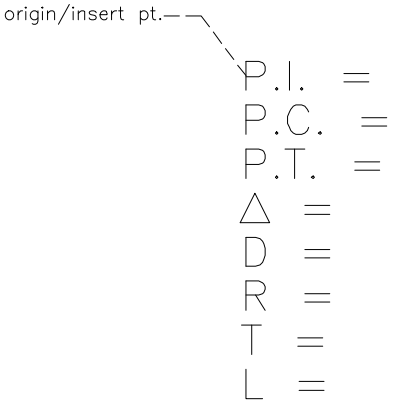
Civil / Site CCTREE
Element Type: Symbol
Description: Coniferous Tree



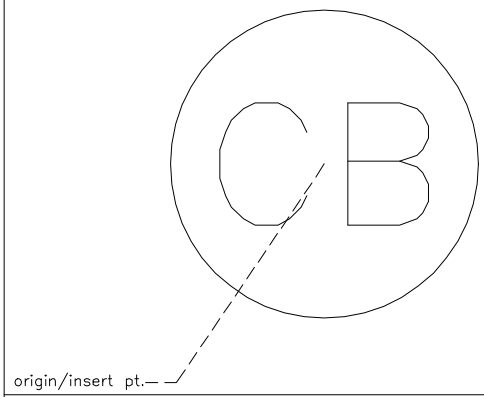
Civil / Site CPARTA
Element Type: Symbol
Description: Parking Turn Arrow



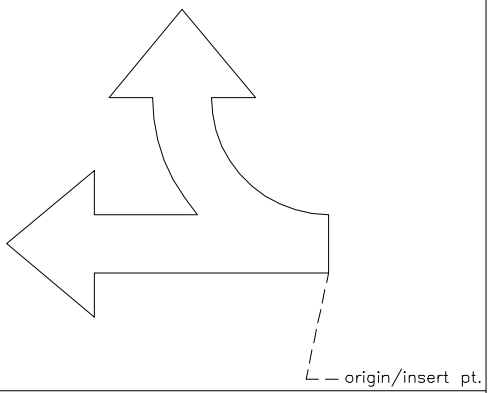
Civil / Site CGTREE
Element Type: Symbol
Description: Generic Tree Symbol



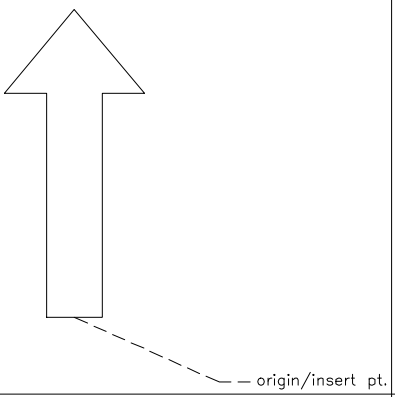
Civil / Site CPIDAT
Element Type: Symbol
Description: PI Information



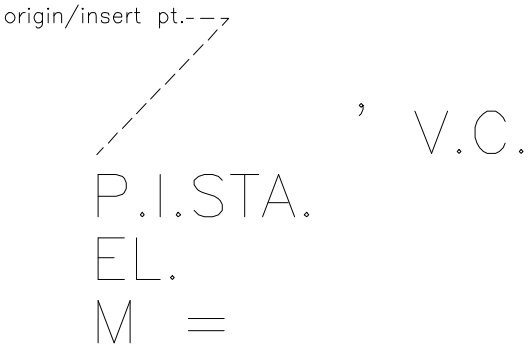
Civil / Site CRDBSN
Element Type: Symbol
Description: Round Catch Basin



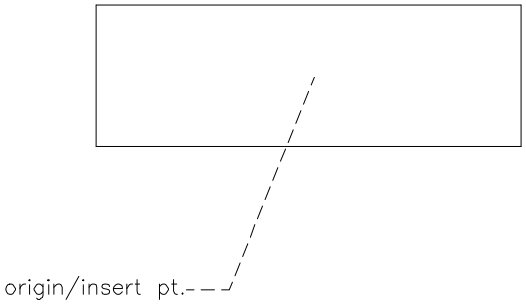
Civil / Site CSTATA
Element Type: Symbol
Description: Straight and Turn Arrow



Civil / Site CSDIRA
Element Type: Symbol
Description: Straight Direction Arrow



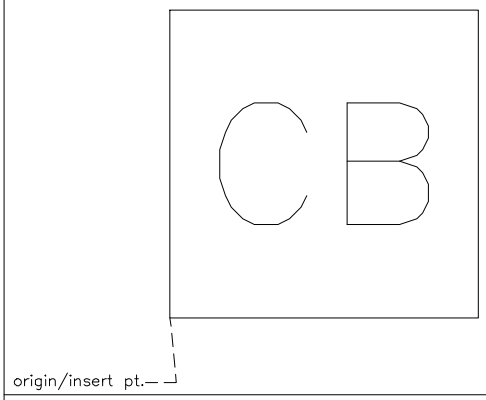
Civil / Site CVDATA
Element Type: Symbol
Description: Vertical Curve Data



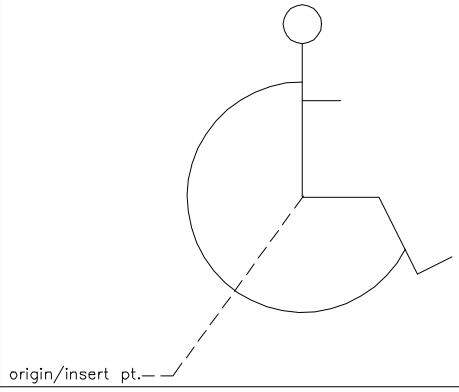
Civil / Site CSIGN
Element Type: Symbol
Description: Sign

Civil / Site
Element Type:
Description:

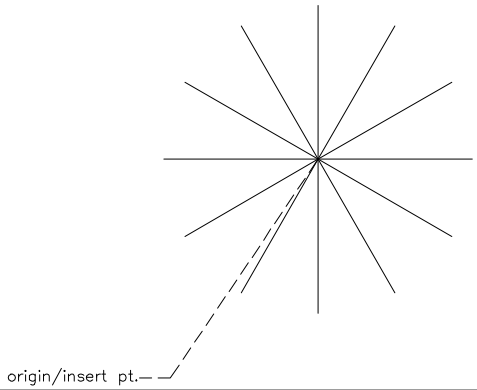
5 Civil Works Symbols Library



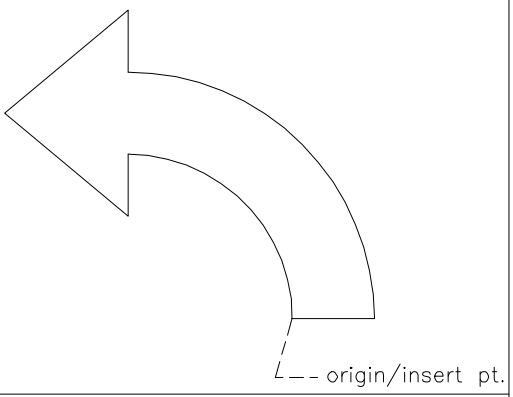
Civil / Works CCABAS
Element Type: Symbol
Description: Catch Basin



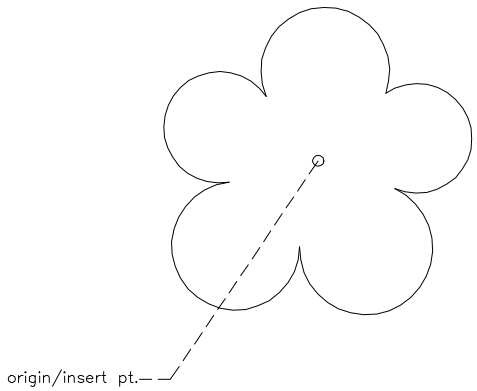
Civil / Works CHANDI
Element Type: Symbol
Description: Handicap Chair Symbol



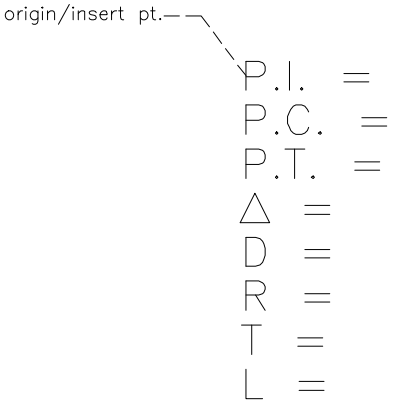
Civil / Works CCTREE
Element Type: Symbol
Description: Coniferous Tree



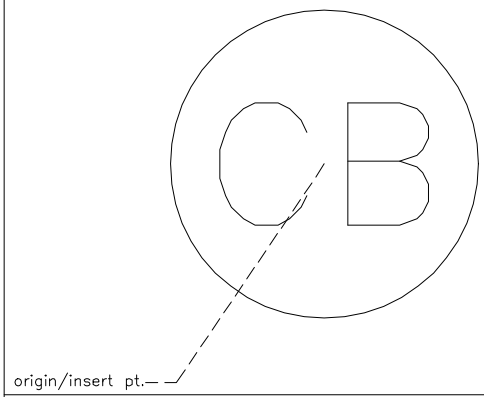
Civil / Works CPARTA
Element Type: Symbol
Description: Parking Turn Arrow



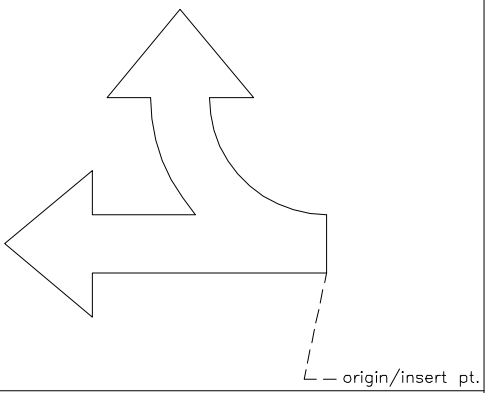
Civil / Works CGTREE
Element Type: Symbol
Description: Generic Tree Symbol



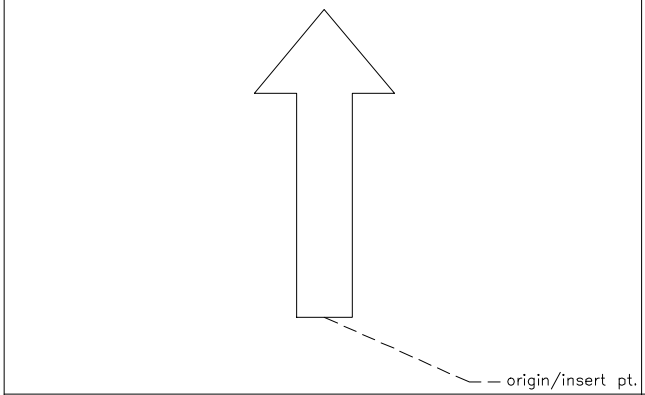
Civil / Works CPIDAT
Element Type: Symbol
Description: PI Information



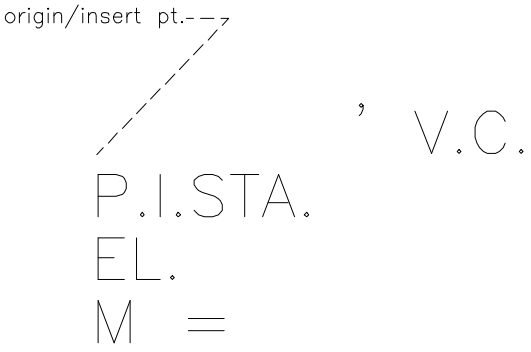
Civil / Works CRDBSN
Element Type: Symbol
Description: Round Catch Basin



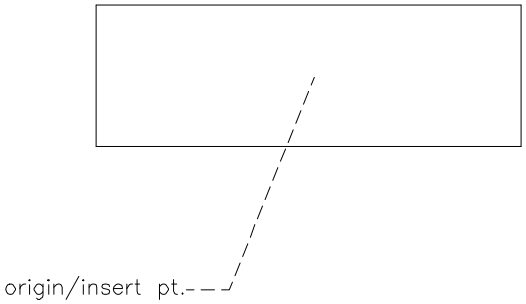
Civil / Works CSTATA
Element Type: Symbol
Description: Straight and Turn Arrow



Civil / Works CSDIRA
Element Type: Symbol
Description: Straight Direction Arrow



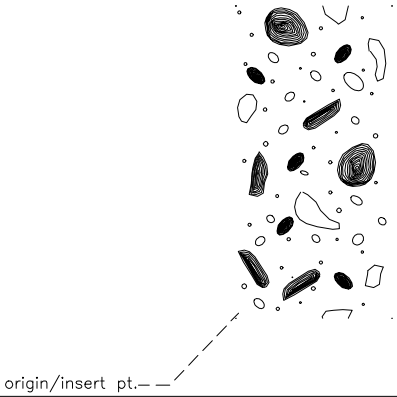
Civil / Works CVDATA
Element Type: Symbol
Description: Vertical Curve Data



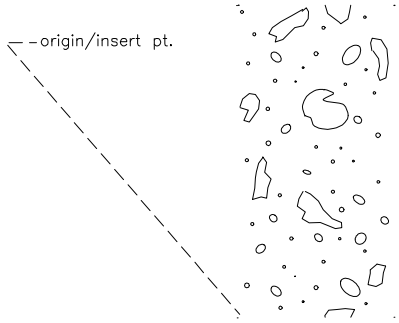
Civil / Works CSIGN
Element Type: Symbol
Description: Sign

Civil / Works
Element Type:
Description:

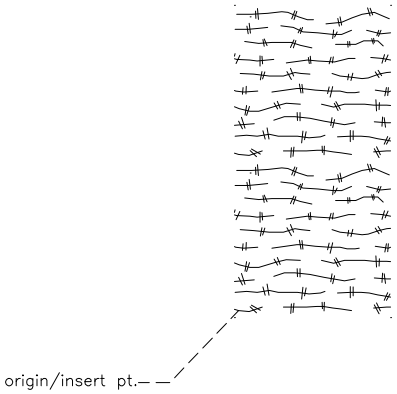
6 Geotechnical Patterns Library



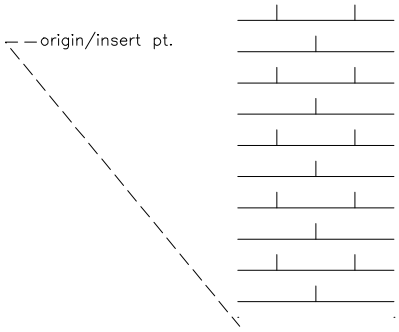
Geotechnical BAGGLM
Element Type: Patterns
Description: Agglomerate or Flow Breccia



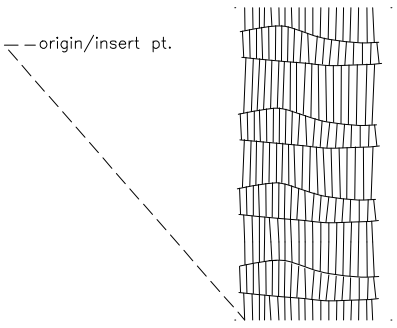
Geotechnical BBRECC
Element Type: Patterns
Description: Breccia



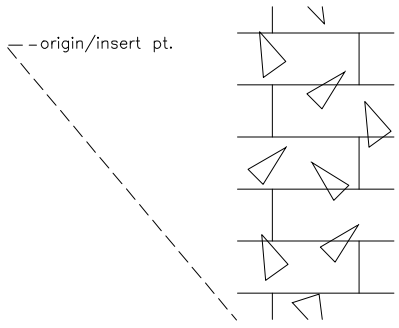
Geotechnical BANDES
Element Type: Patterns
Description: Andesite



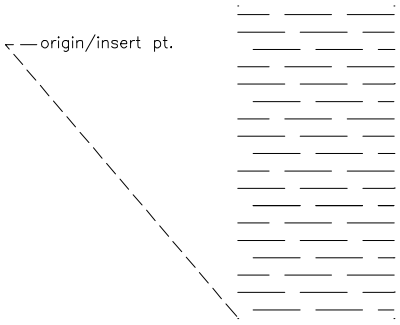
Geotechnical BCHALK
Element Type: Patterns
Description: Chalk or Marl



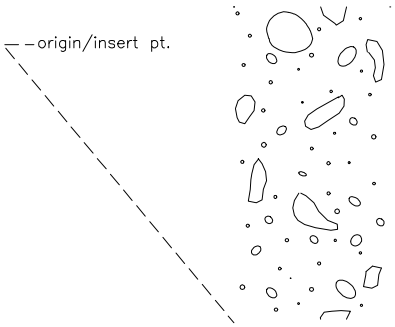
Geotechnical BBASAL
Element Type: Patterns
Description: Basalt



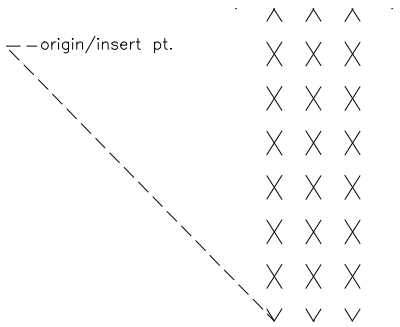
Geotechnical BCHERT
Element Type: Patterns
Description: Chert



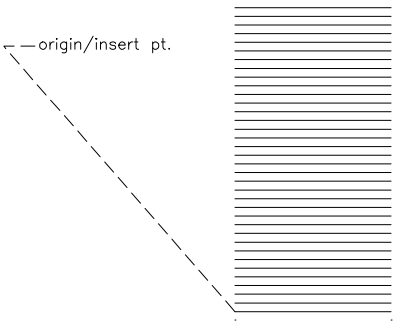
Geotechnical BCMPSH
Element Type: Patterns
Description: Compaction Shale



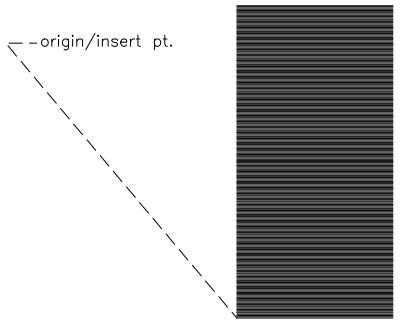
Geotechnical BCONGL
Element Type: Patterns
Description: Conglomerate



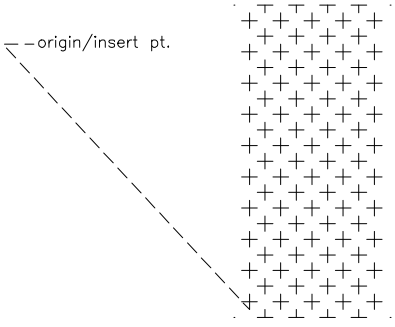
Geotechnical BCLAYS
Element Type: Patterns
Description: Claystone or Siltstone



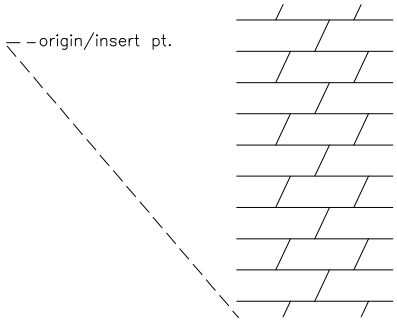
Geotechnical BCSHAL
Element Type: Patterns
Description: Cemented Shale



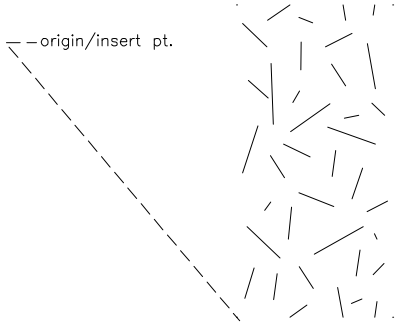
Geotechnical BCOALS
Element Type: Patterns
Description: Coal



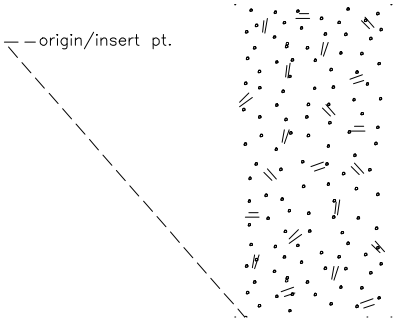
Geotechnical BDIORT
Element Type: Patterns
Description: Diorite



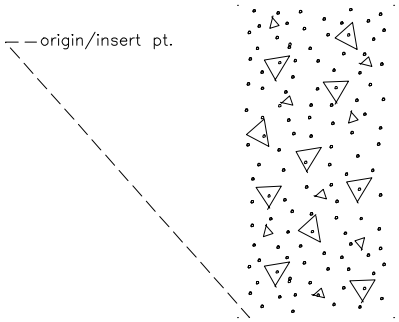
Geotechnical BDOLOM
Element Type: Patterns
Description: Dolomite



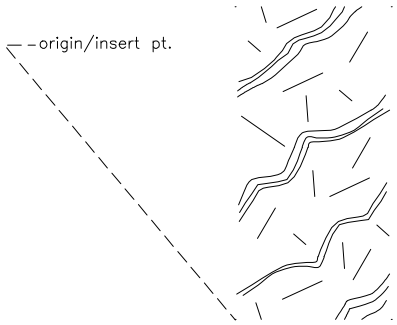
Geotechnical BGRANT
Element Type: Patterns
Description: Granite



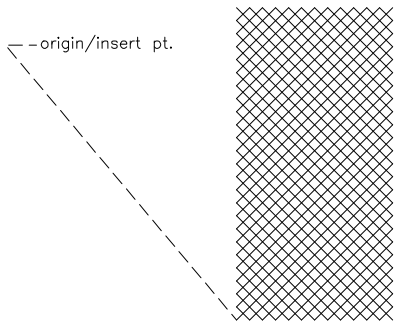
Geotechnical BGABBR
Element Type: Patterns
Description: Gabbro



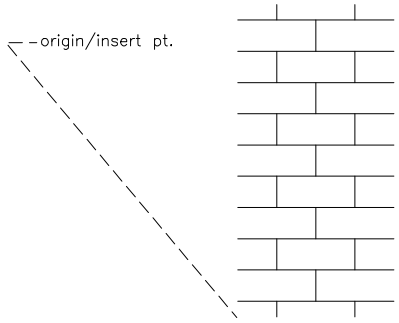
Geotechnical BGRAYW
Element Type: Patterns
Description: Graywacke



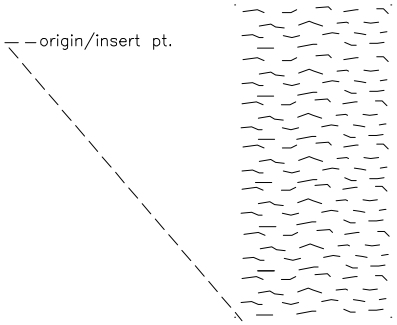
Geotechnical BGNEIS
Element Type: Patterns
Description: Gneiss



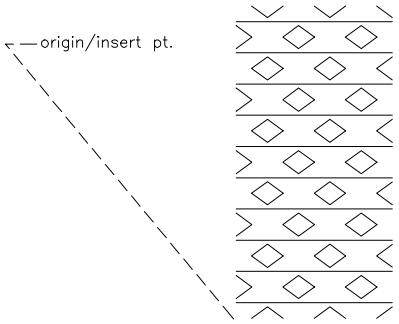
Geotechnical BHGHFR
Element Type: Patterns
Description: Highly Fractured



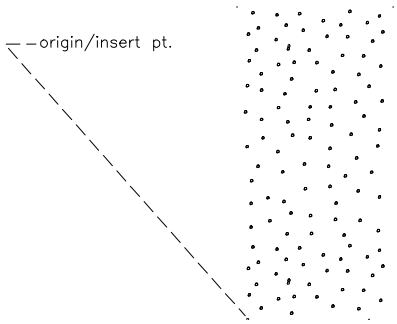
Geotechnical BLIMES
Element Type: Patterns
Description: Limestone



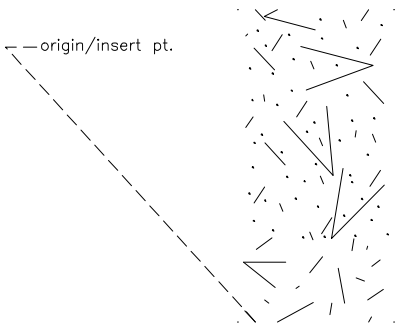
Geotechnical BRHYOL
Element Type: Patterns
Description: Rhyolite



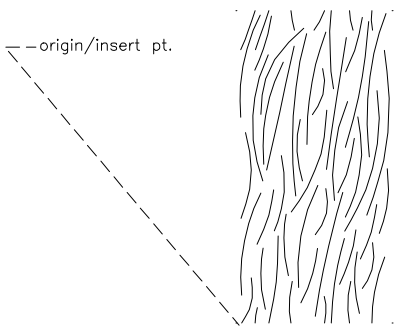
Geotechnical BMARBL
Element Type: Patterns
Description: Marble



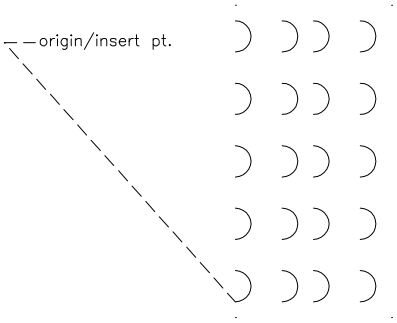
Geotechnical BSANDS
Element Type: Patterns
Description: Sandstone



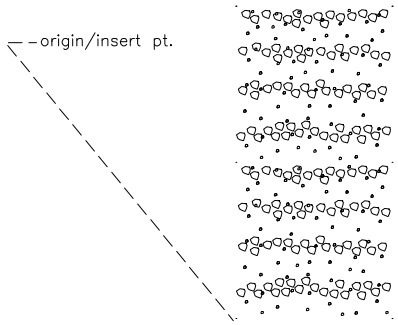
Geotechnical BQUART
Element Type: Patterns
Description: Quartzite



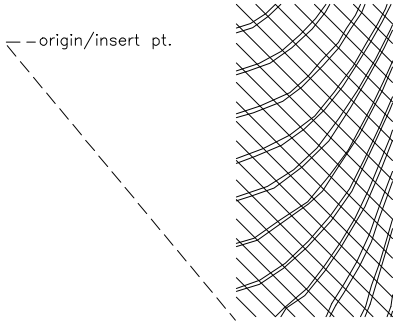
Geotechnical BSCHIS
Element Type: Patterns
Description: Schist



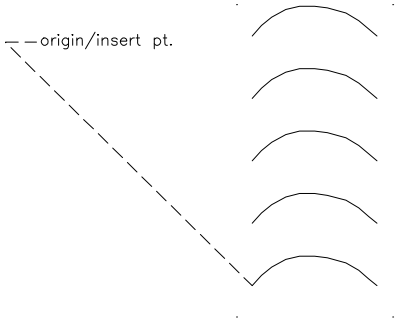
Geotechnical BSHELL
Element Type: Patterns
Description: Shells



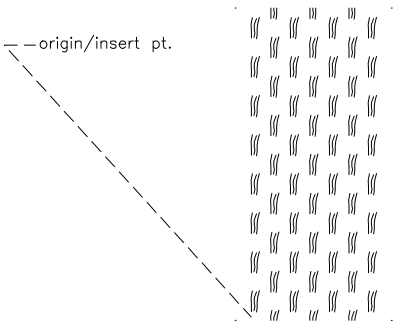
Geotechnical BTUFFB
Element Type: Patterns
Description: Tuff or Tuff Breccia



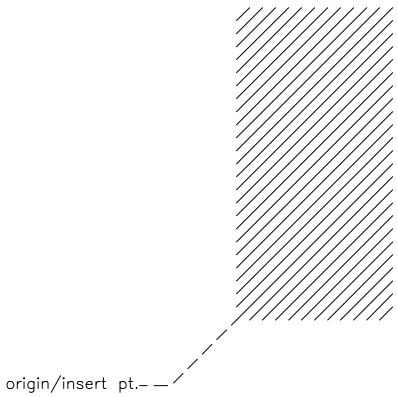
Geotechnical BSLATE
Element Type: Patterns
Description: Slate



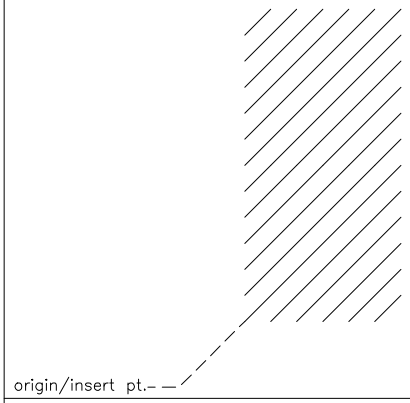
Geotechnical BWOODS
Element Type: Patterns
Description: Wood Symbol



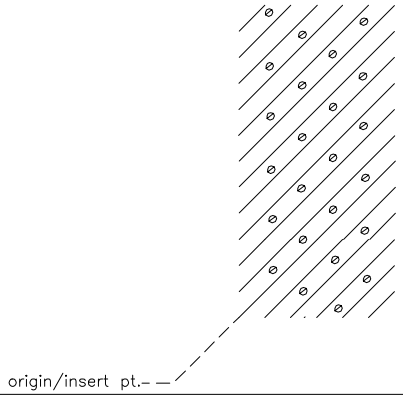
Geotechnical BSOAPS
Element Type: Patterns
Description: Soapstone or Serpentine



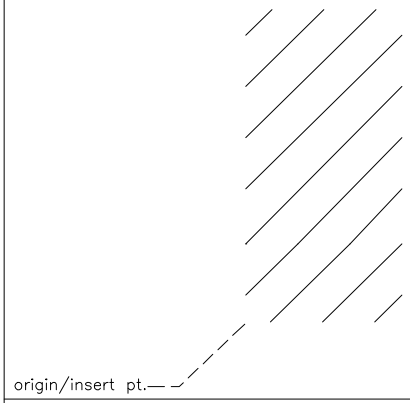
Geotechnical BCSJNT
Element Type: Patterns
Description: Closely Spaced Joints



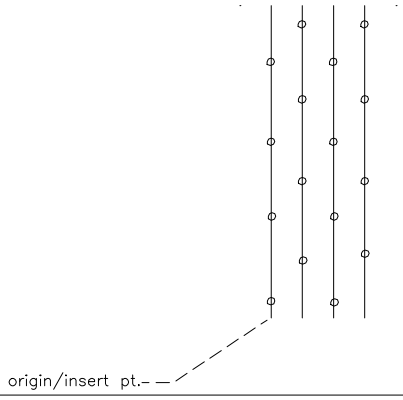
Geotechnical Element Type: BMSJNT
Element Type: Patterns
Description: Moderately Spaced Joints



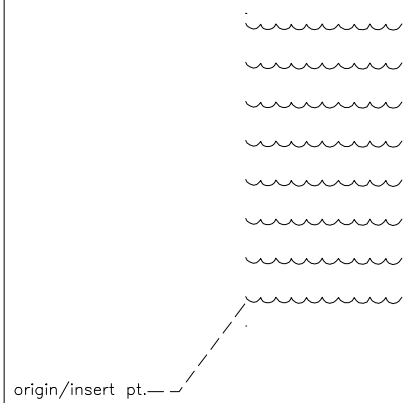
Geotechnical Element Type: BUSC12
Element Type: Patterns
Description: USCS Soil Symbol



Geotechnical Element Type: BUSCS2
Element Type: Patterns
Description: USCS Soil Symbol

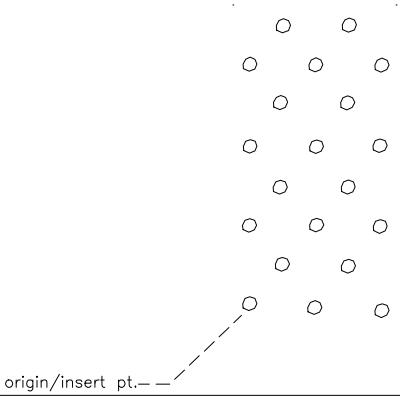


Geotechnical Element Type: BUSC13
Element Type: Patterns
Description: USCS Soil Symbol

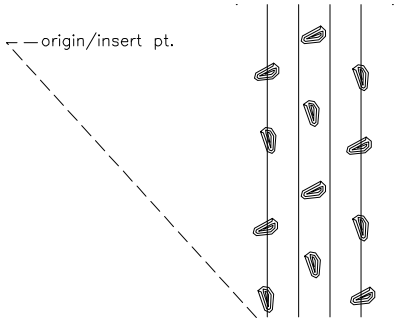


Geotechnical Element Type: BUSC11
Element Type: Patterns
Description: USCS Soil Symbol

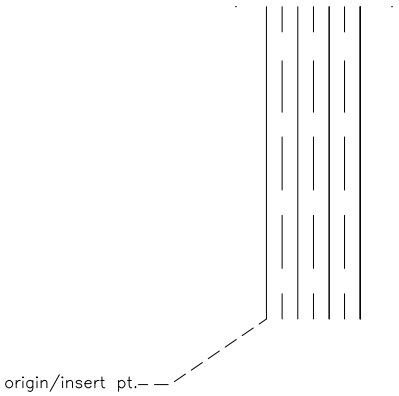
Geotechnical Element Type: BUSC14
Element Type: Patterns
Description: USCS Soil Symbol



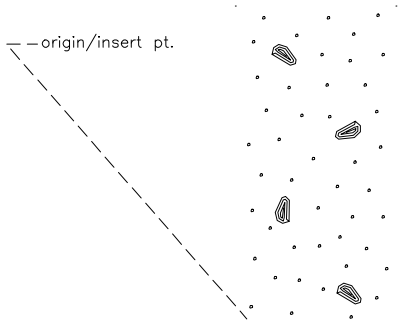
Geotechnical BUSC15
Element Type: Patterns
Description: USCS Soil Symbol



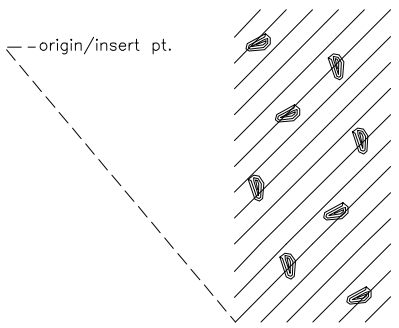
Geotechnical BUSCS4
Element Type: Patterns
Description: USCS Soil Symbol



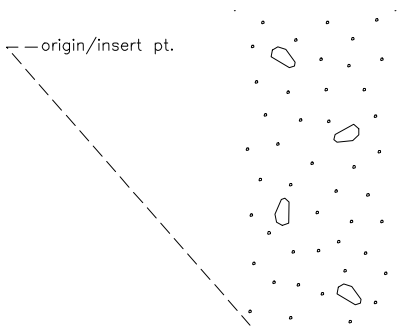
Geotechnical BUSC10
Element Type: Patterns
Description: USCS Soil Symbol



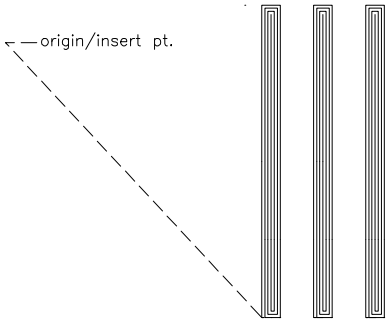
Geotechnical BUSCS5
Element Type: Patterns
Description: USCS Soil Symbol



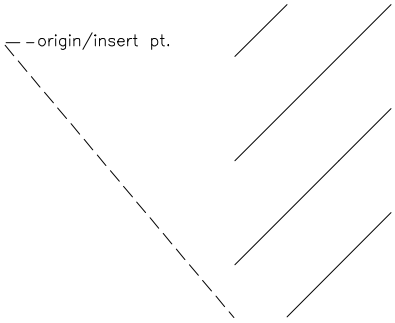
Geotechnical BUSCS3
Element Type: Patterns
Description: USCS Soil Symbol



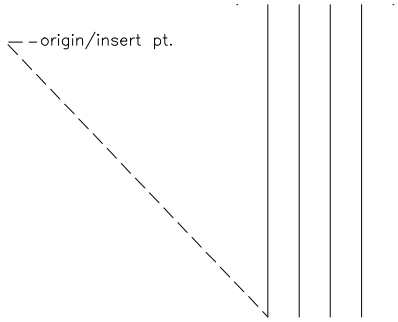
Geotechnical BUSCS6
Element Type: Patterns
Description: USCS Soil Symbol



Geotechnical BUSCS7
Element Type: Patterns
Description: USCS Soil Symbol

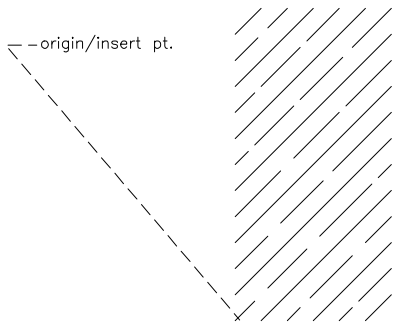


Geotechnical BWSJNT
Element Type: Patterns
Description: Widely Spaced Joints



Geotechnical BUSCS8
Element Type: Patterns
Description: USCS Soil Symbol

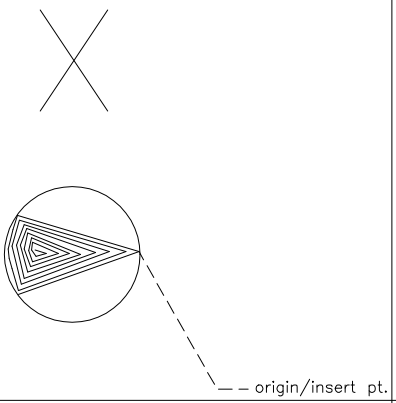
Geotechnical
Element Type:
Description:



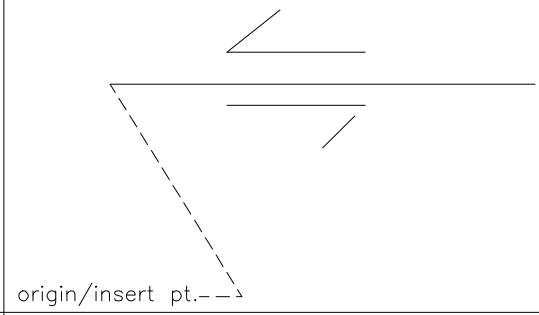
Geotechnical BUSCS9
Element Type: Patterns
Description: USCS Soil Symbol

Geotechnical
Element Type:
Description:

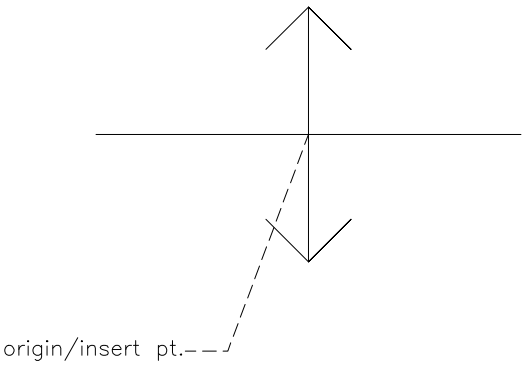
6 Geotechnical Symbols Library



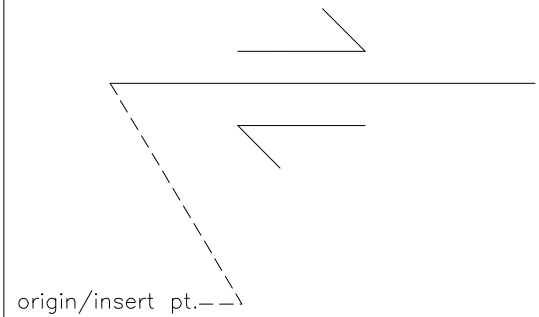
Geotechnical BANGCH
Element Type: SYMBOLS
Description: Angle Cored Hole (Arrow=Dir)



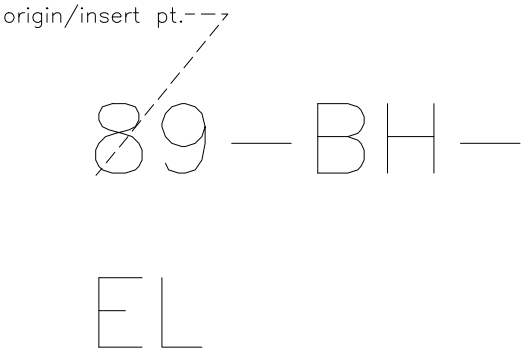
Geotechnical BBLCK1
Element Type: SYMBOLS
Description: Fault Block Movement 1



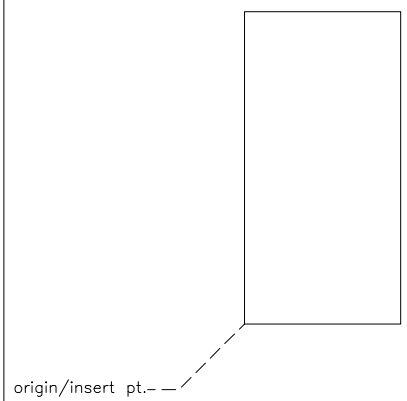
Geotechnical BANTIC
Element Type: SYMBOLS
Description: Anticline



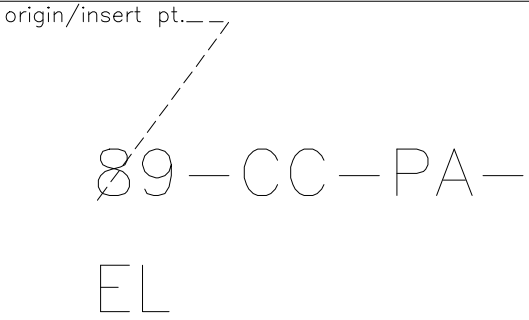
Geotechnical BBLCK2
Element Type: SYMBOLS
Description: Fault Block Movement 2



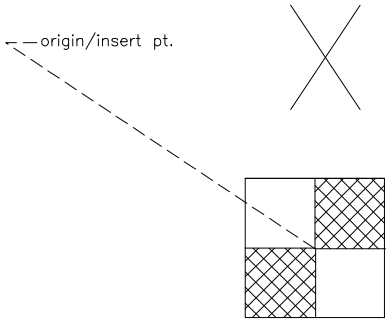
Geotechnical BBHNUM
Element Type: SYMBOLS
Description: Backhoe Hole Number



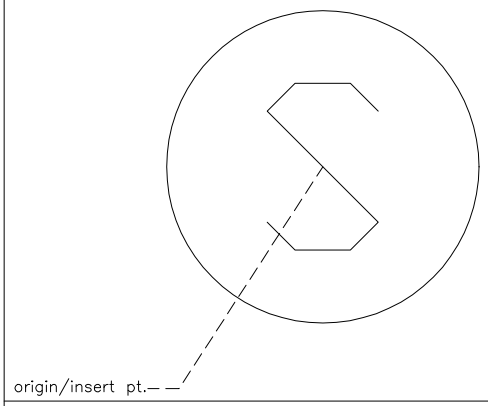
Geotechnical BBLOGR
Element Type: SYMBOLS
Description: Boring Log Refusal



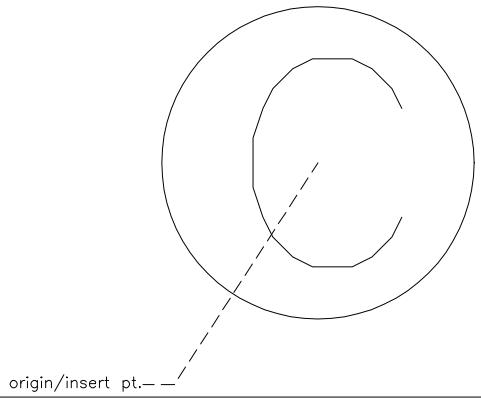
Geotechnical BCCNUM
Element Type: SYMBOLS
Description: Concrete Core Hole Number



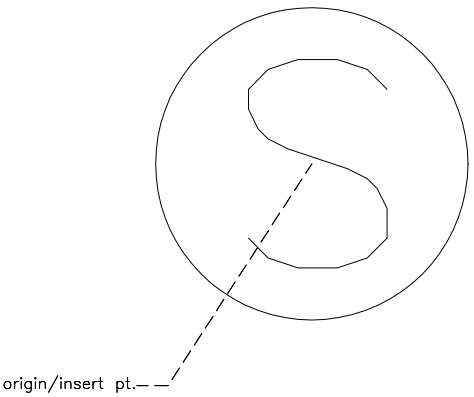
Geotechnical BCONEP
Element Type: SYMBOLS
Description: Cone Penetrometer Hole



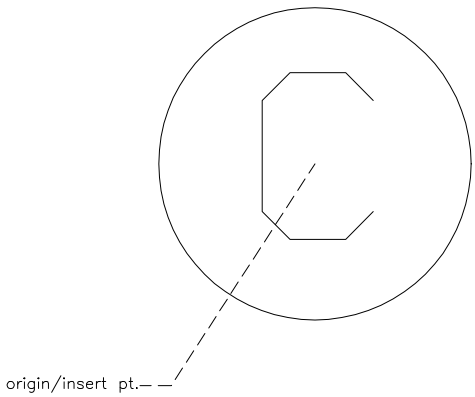
Geotechnical BCDRDS
Element Type: SYMBOLS
Description: Consolidated-Drained Direct Shear



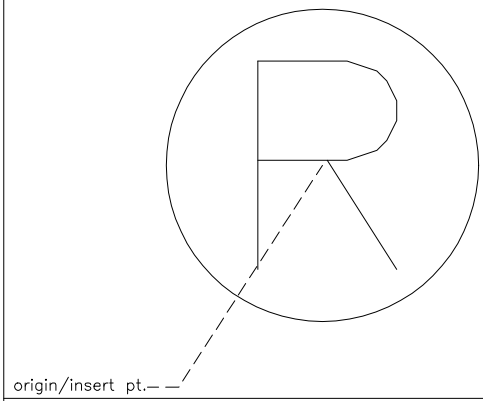
Geotechnical BCONSL
Element Type: SYMBOLS
Description: Consolidation



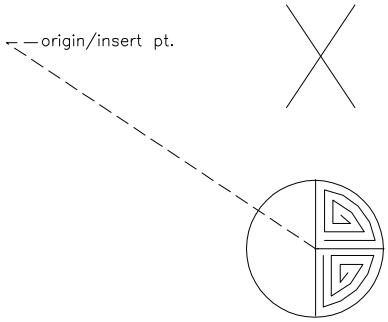
Geotechnical BCONDR
Element Type: SYMBOLS
Description: Consolidated Drained



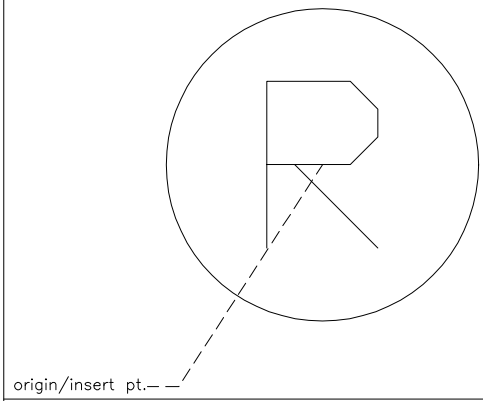
Geotechnical BCONST
Element Type: SYMBOLS
Description: Consolidation Test



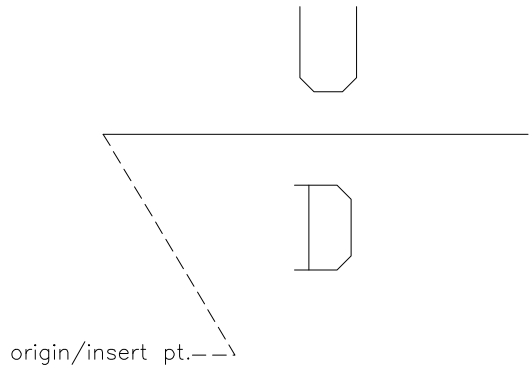
Geotechnical BCONUD
Element Type: SYMBOLS
Description: Consolidated Undrained



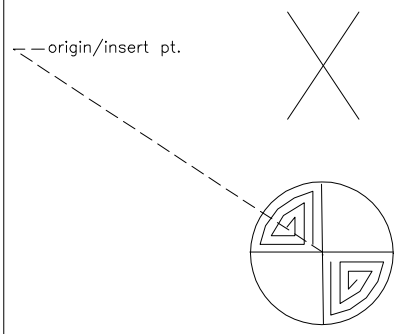
Geotechnical BDSHOL
Element Type: SYMBOLS
Description: Drive Sample (SPT) Hole



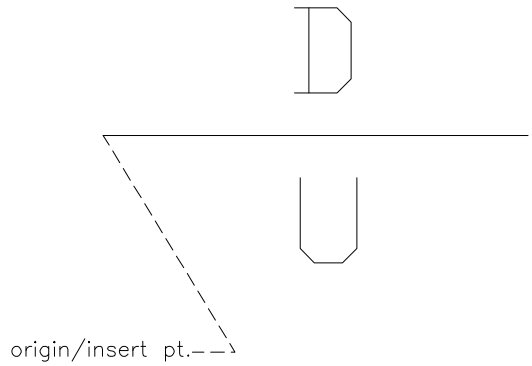
Geotechnical BCONUT
Element Type: SYMBOLS
Description: Consolidated-Undrained Triaxial Test



Geotechnical BHANF1
Element Type: SYMBOLS
Description: High Angle Fault 1

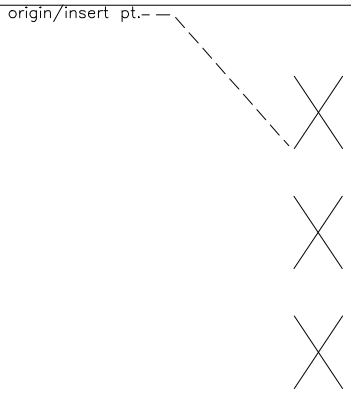


Geotechnical BDRIVE
Element Type: SYMBOLS
Description: Drive Sampled (SPT) and Cored

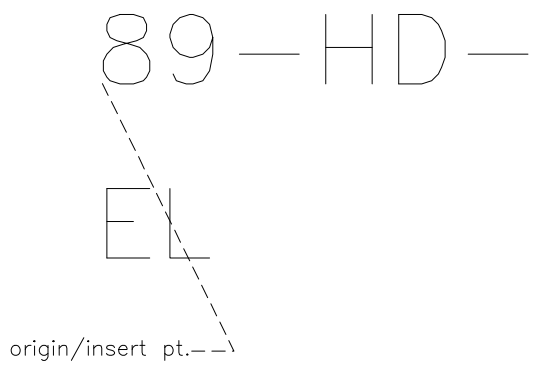


Geotechnical BHANF2
Element Type: SYMBOLS
Description: High Angle Fault 2

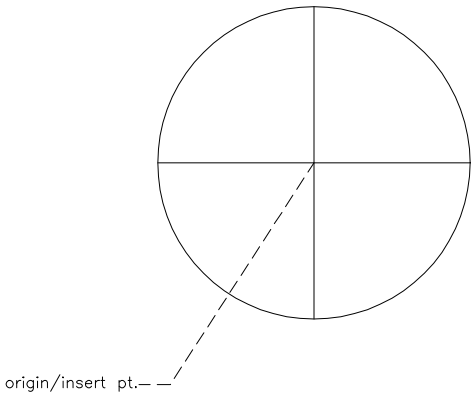
Geotechnical BHANUM
Element Type: SYMBOLS
Description: Hand Auger Hole Number



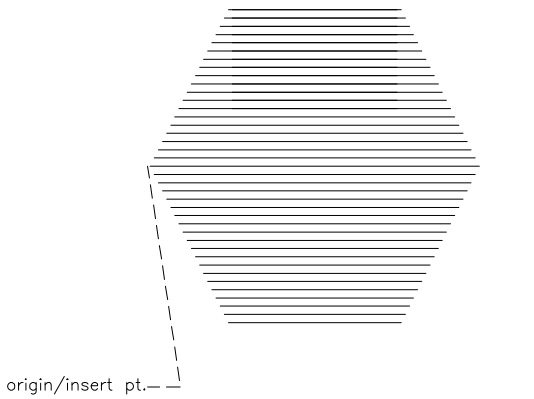
Geotechnical BHOLEN
Element Type: SYMBOLS
Description: "Hole Number, Elevation, Offset"



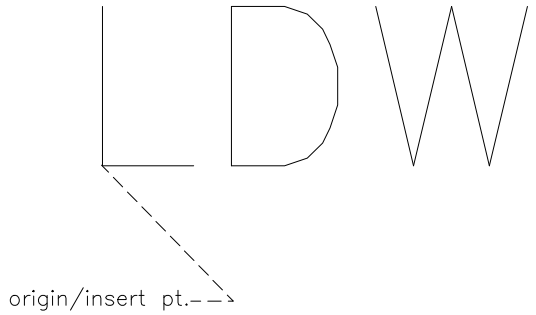
Geotechnical BHDNUM
Element Type: SYMBOLS
Description: Hand Dug Hole Number



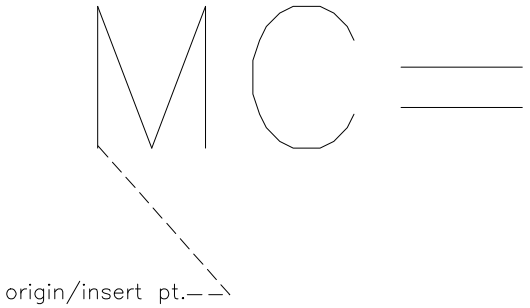
Geotechnical BHORBD
Element Type: SYMBOLS
Description: Horizontal Beds



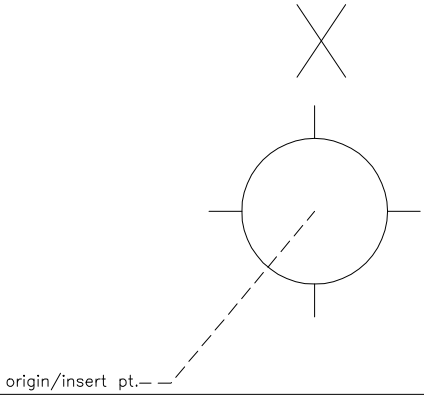
Geotechnical BHEXGN
Element Type: SYMBOLS
Description: Hexagon Symbol



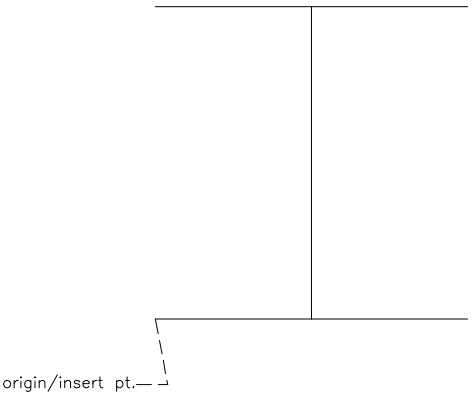
Geotechnical BLDRWB
Element Type: SYMBOLS
Description: Lost Drill Water Block



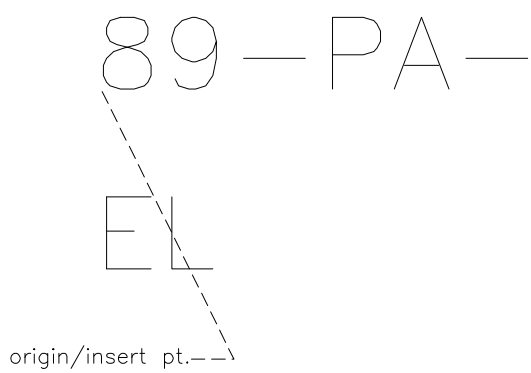
Geotechnical BMOISC
Element Type: SYMBOLS
Description: Moisture Content



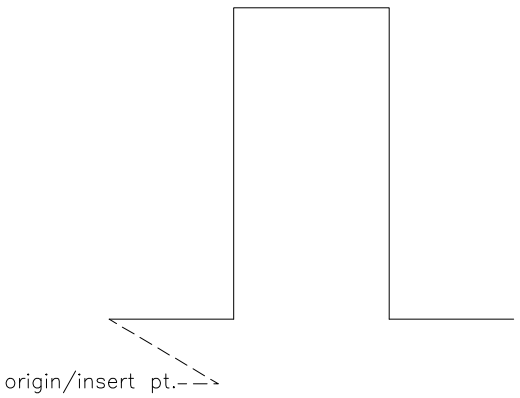
Geotechnical BOBSHL
Element Type: SYMBOLS
Description: Piezometer or Observation Hole



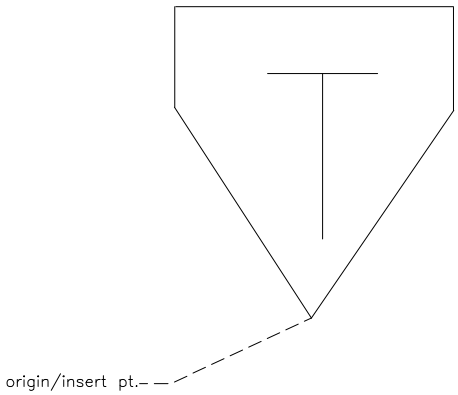
Geotechnical BNSAOH
Element Type: SYMBOLS
Description: Nonsampled Area of Hole



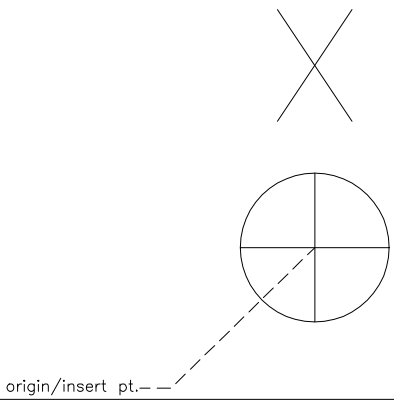
Geotechnical BPANUM
Element Type: SYMBOLS
Description: Power Auger Hole Number



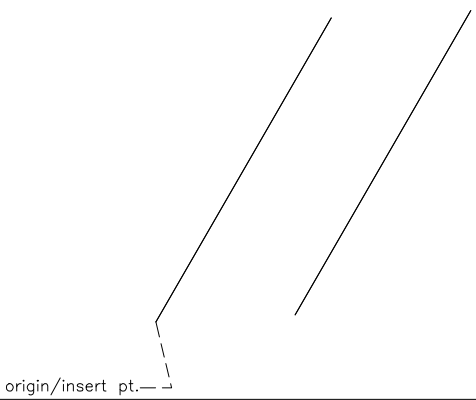
Geotechnical BOBLOG
Element Type: SYMBOLS
Description: Open Boring Log



Geotechnical BPIEZO
Element Type: SYMBOLS
Description: Piezometer



Geotechnical BPRPEX
Element Type: SYMBOLS
Description: Proposed Exploration

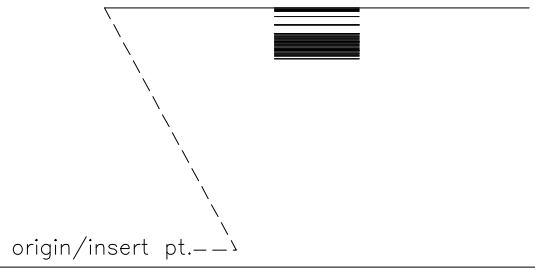


Geotechnical BREFSL
Element Type: SYMBOLS
Description: Refusal Slashes

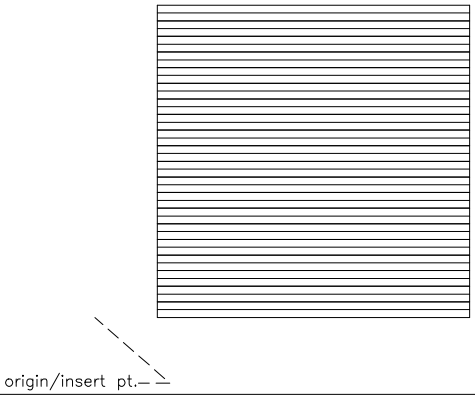
Geotechnical BPTNUM
Element Type: SYMBOLS
Description: Perc Test Hole Number

Geotechnical BSAMPL
Element Type: SYMBOLS
Description: Sample

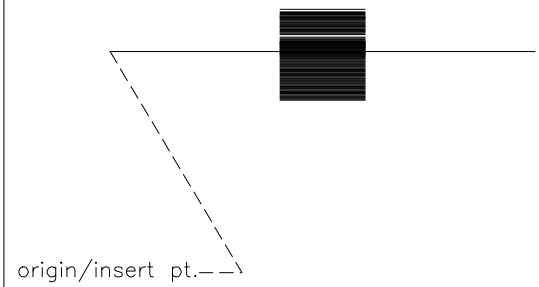
Geotechnical BRDNUM
Element Type: SYMBOLS
Description: Rotary Drill Hole Number



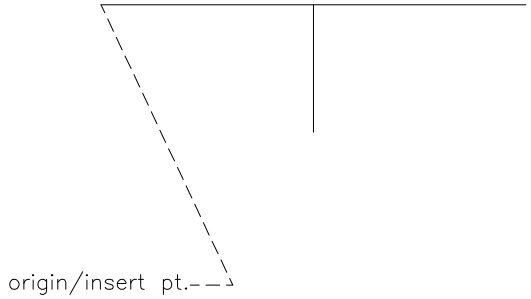
Geotechnical BSDOIJ
Element Type: SYMBOLS
Description: Strike Dip of Inclined Joint



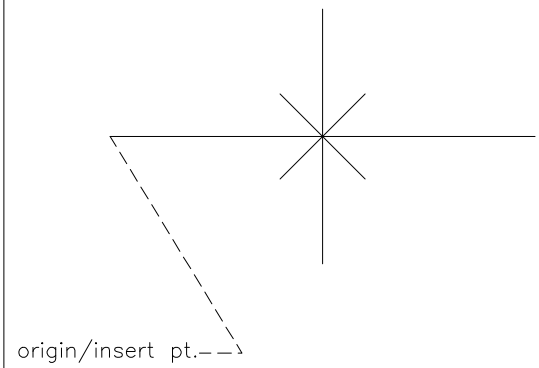
Geotechnical BSQUAR
Element Type: SYMBOLS
Description: Square Symbol



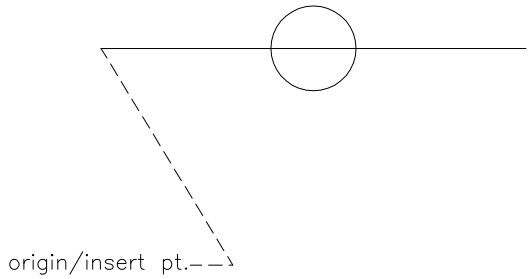
Geotechnical BSTRVJ
Element Type: SYMBOLS
Description: Strike or Vertical Joint



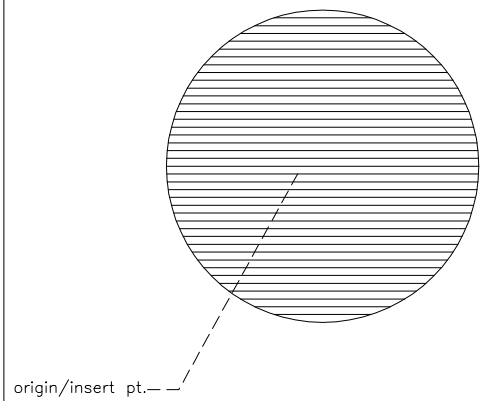
Geotechnical BSTRKD
Element Type: SYMBOLS
Description: Strike Dip



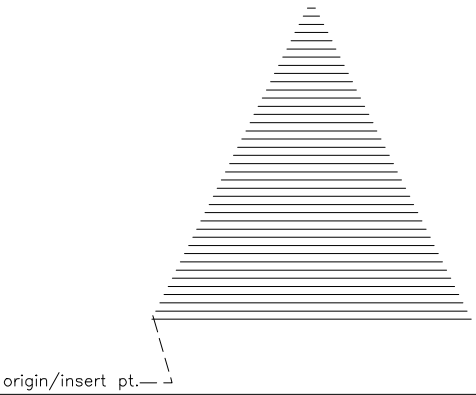
Geotechnical BSYNCL
Element Type: SYMBOLS
Description: Syncline



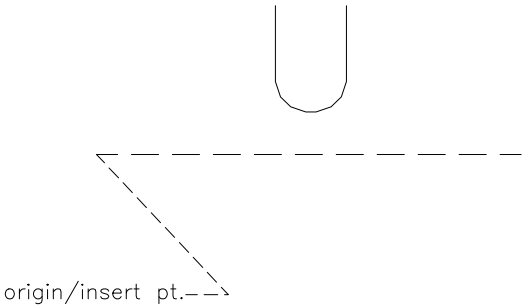
Geotechnical BSTRKV
Element Type: SYMBOLS
Description: Strike w/Vertical Dip



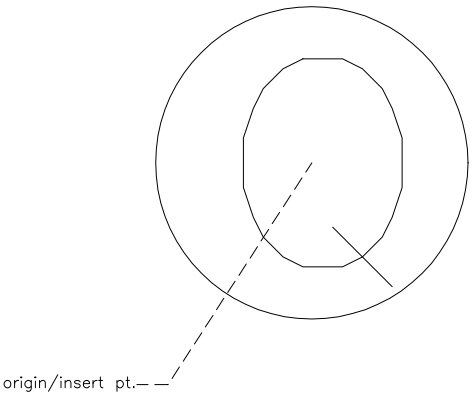
Geotechnical BTHOLE
Element Type: SYMBOLS
Description: Test Hole Symbol



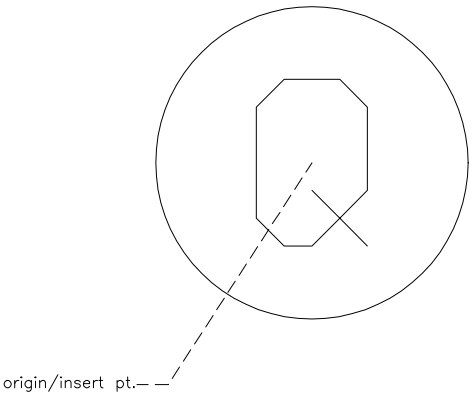
Geotechnical BTRIAN
Element Type: SYMBOLS
Description: Triangle Symbol



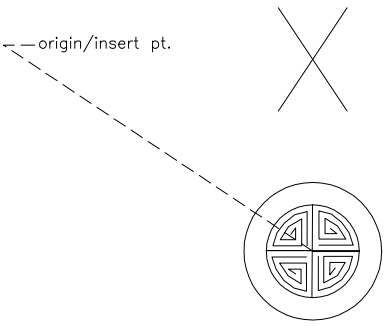
Geotechnical BULIMT
Element Type: SYMBOLS
Description: Unsatisfactory Limit



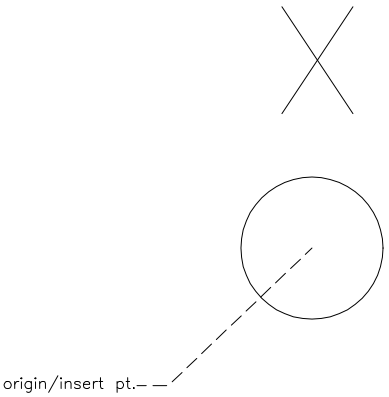
Geotechnical BUCONU
Element Type: SYMBOLS
Description: Unconsolidated Undrained



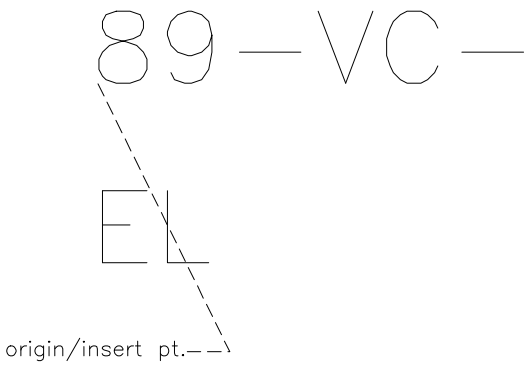
Geotechnical BUUTRT
Element Type: SYMBOLS
Description: Unconsolidated-Undrained Triaxial Test



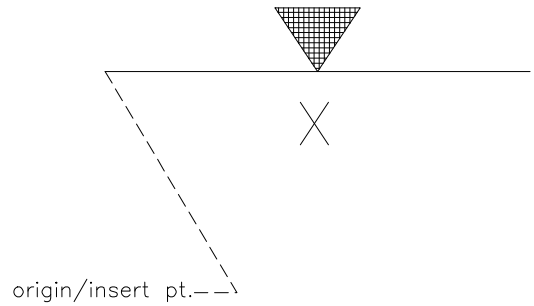
Geotechnical BUDENS
Element Type: SYMBOLS
Description: Undisturbed Denison or Push



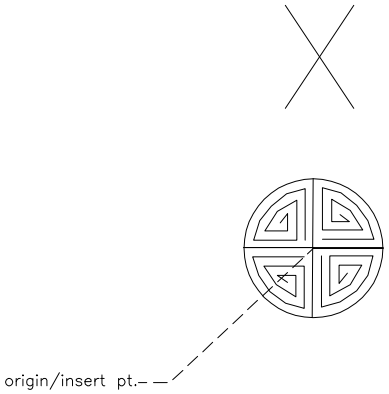
Geotechnical BVCHOL
Element Type: SYMBOLS
Description: Vertical Core Hole



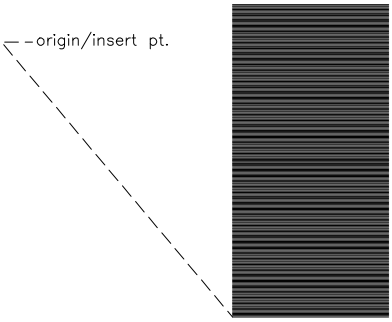
Geotechnical Element Type: SYMBOLS
Description: Vibracore Hole Number



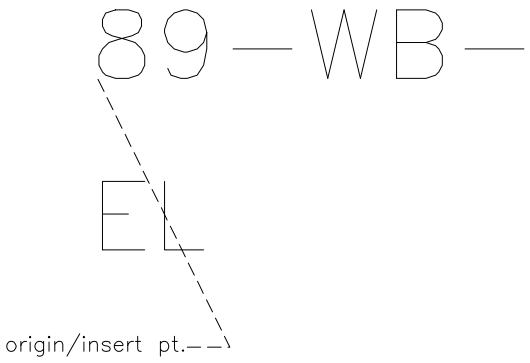
Geotechnical Element Type: SYMBOLS
Description: Water Level Date Left



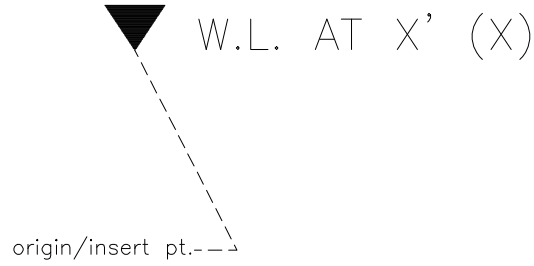
Geotechnical Element Type: SYMBOLS
Description: Washboard



Geotechnical Element Type: SYMBOLS
Description: Zones of Core Loss

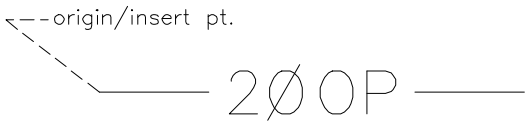


Geotechnical Element Type: SYMBOLS
Description: Wash Boring Hole Number

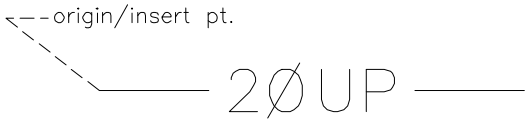


Geotechnical Element Type: SYMBOLS
Description: Water Level

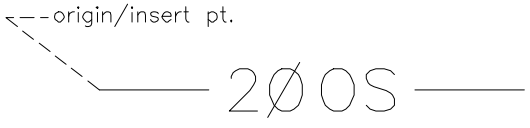
7 Utilities Lines Library



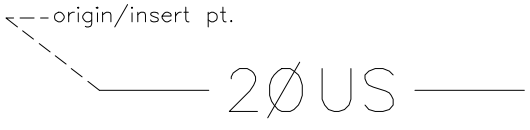
Utilities U2POHL
Element Type: Line
Description: 2-Phase Primary Overhead Electrical Line



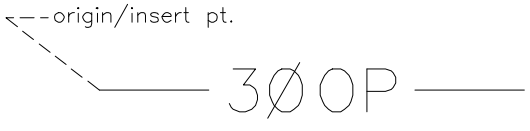
Utilities U2PUNL
Element Type: Line
Description: 2-Phase Primary Underground Electrical Line



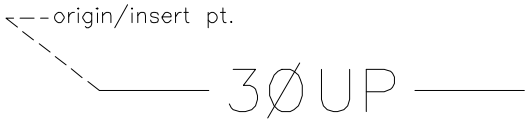
Utilities U2SOHL
Element Type: Line
Description: 2-Phase Secondary Overhead Electrical Line



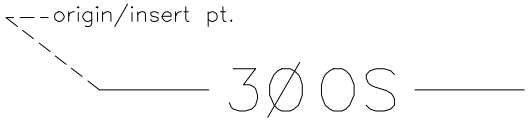
Utilities U2SUNL
Element Type: Line
Description: 2-Phase Secondary Underground Elec. Line



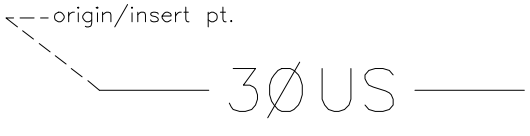
Utilities U3POHL
Element Type: Line
Description: 3-Phase Primary Overhead Electrical Line



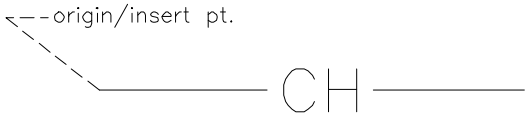
Utilities U3PUNL
Element Type: Line
Description: 3-Phase Primary Underground Electrical Line



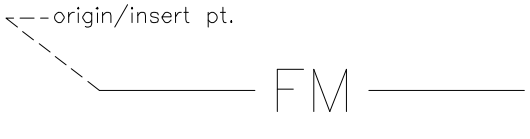
Utilities U3SOHL
Element Type: Line
Description: 3-Phase Secondary Overhead Electrical Line



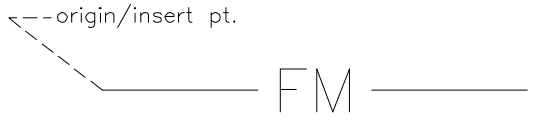
Utilities U3SUNL
Element Type: Line
Description: 3-Phase Secondary Underground Elec. Line



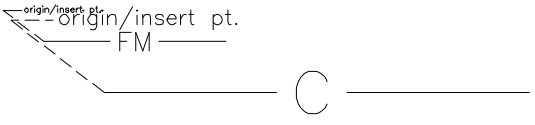
Utilities UCHWTR
Element Type: Line
Description: Chilled Water Line



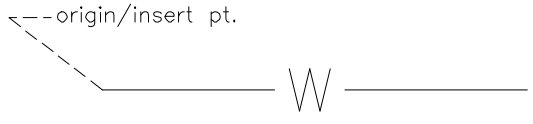
Utilities UFMAIN
Element Type: Line
Description: Sanitary Sewer Force Main



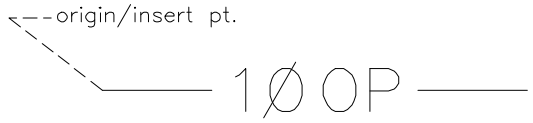
Utilities UFMAIN
Element Type: Line
Description: Sanitary Sewer Force Main



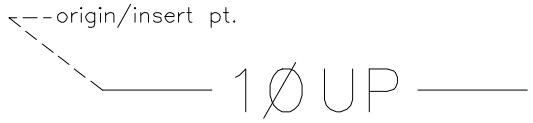
Utilities ULCOND
Element Type: Line
Description: Condensate Line



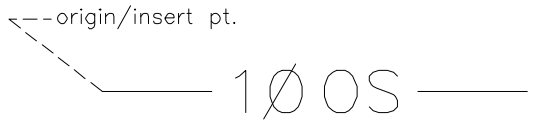
Utilities ULWATR
Element Type: Line
Description: Water Line



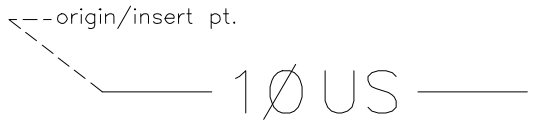
Utilities USPOHL
Element Type: Line
Description: Single Phase Primary Overhead Electrical Line



Utilities USPUNL
Element Type: Line
Description: Single Phase Primary Underground Electrical Line

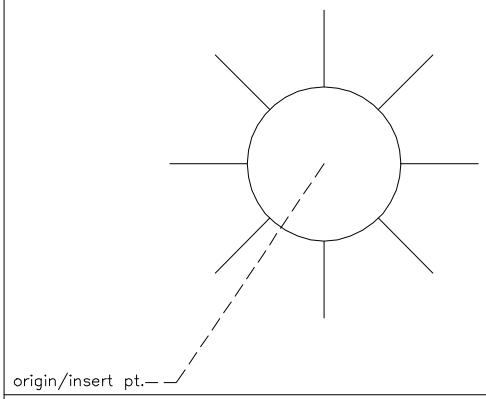


Utilities USSOHL
Element Type: Line
Description: Single Phase Secondary Overhead Electrical Line

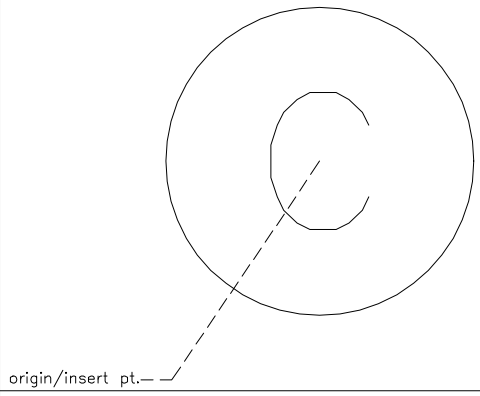


Utilities USSUNL
Element Type: Line
Description: Single Phase Secondary Underground Elec. Line

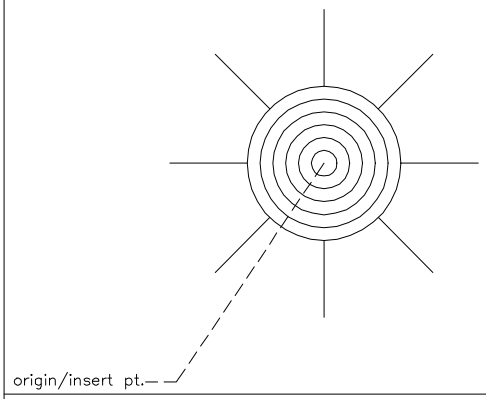
7 Utilities Symbols Library



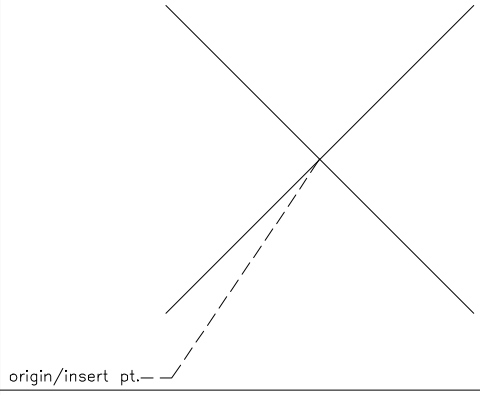
Utilities UARLIT
Element Type: Symbol
Description: Airfield Runway Light



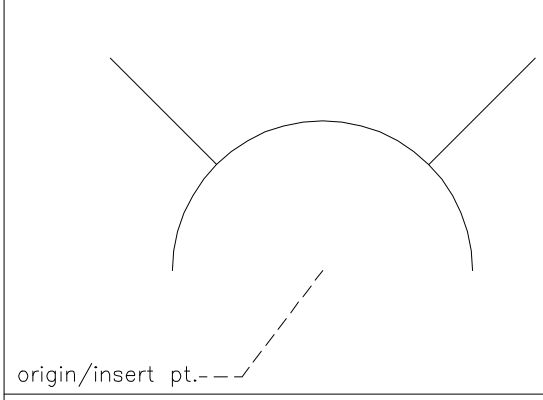
Utilities UCMHOL
Element Type: Symbol
Description: Communication Manhole



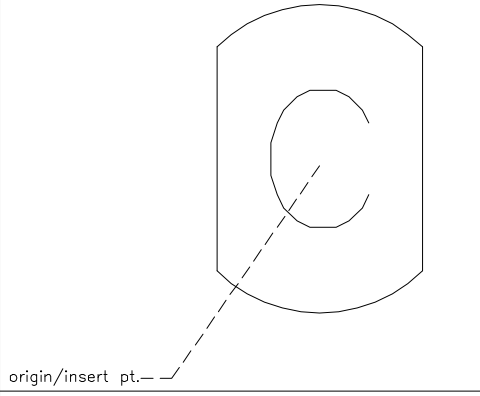
Utilities UATLIT
Element Type: Symbol
Description: Airfield Taxiway Light



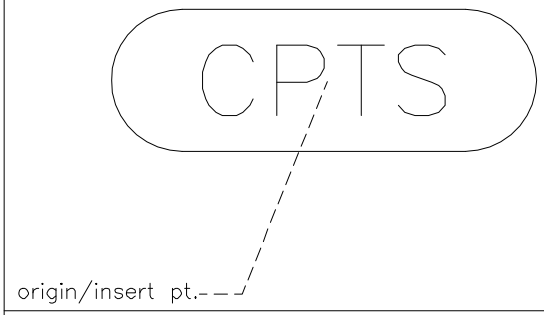
Utilities UCPANL
Element Type: Symbol
Description: Panel



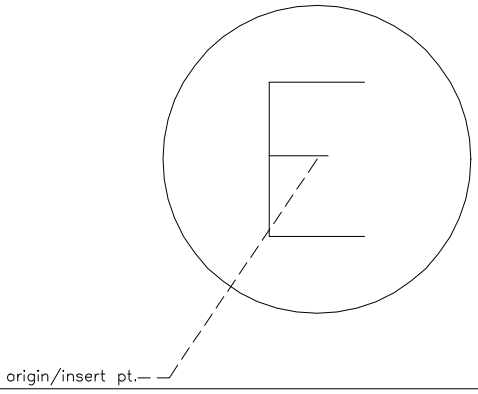
Utilities UBELIT
Element Type: Symbol
Description: Exterior Building Light



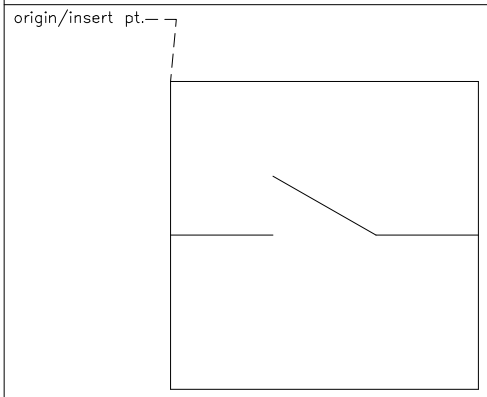
Utilities UCVALT
Element Type: Symbol
Description: Communication Vault



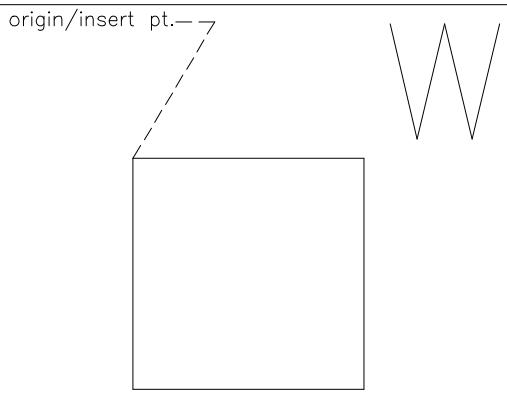
Utilities UCWATH
Element Type: Symbol
Description: Test Water Cathodic Protection Station



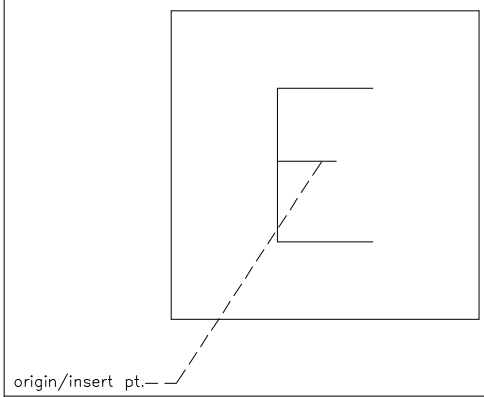
Utilities UEMHOL
Element Type: Symbol
Description: Electrical Manhole



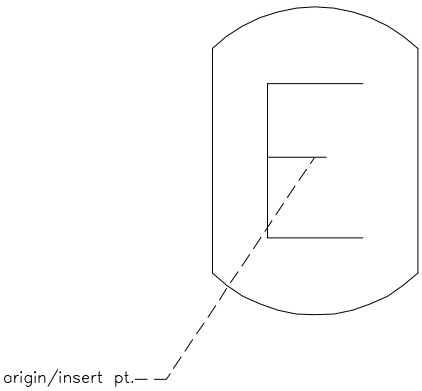
Utilities UDISWI
Element Type: Symbol
Description: Distribution Switch or Switching Station



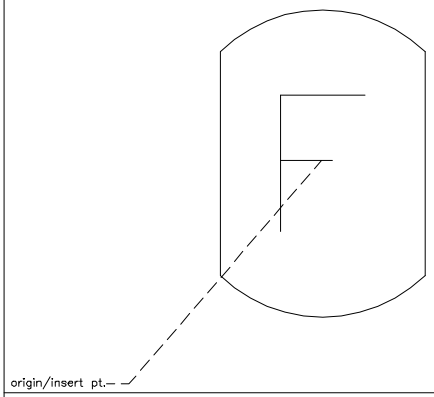
Utilities UEQABV
Element Type: Symbol
Description: Above Ground Equipment



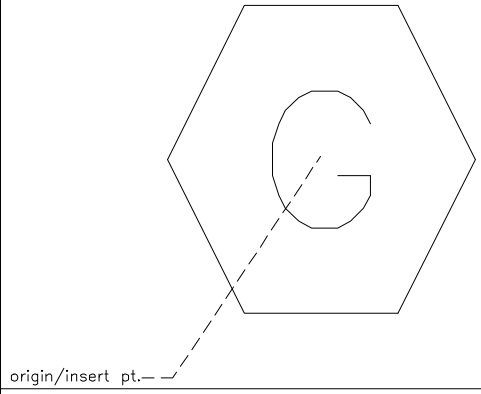
Utilities UEHHOL
Element Type: Symbol
Description: Primary Electrical Handhole



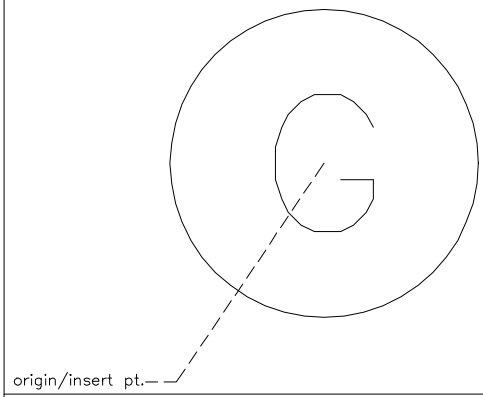
Utilities UEVALT
Element Type: Symbol
Description: Electrical Vault



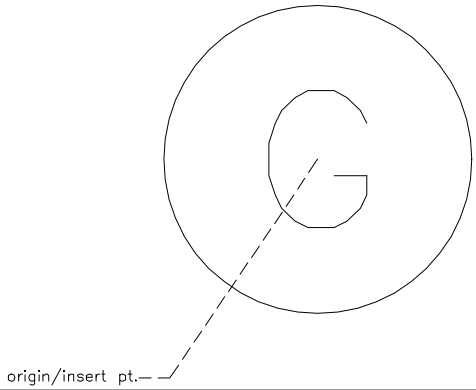
Utilities UFVALT
Element Type: Symbol
Description: Fuel Oil Vault



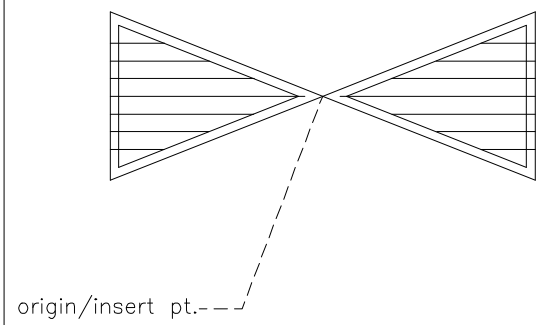
Utilities UGMETR
Element Type: Symbol
Description: Natural Gas Meter



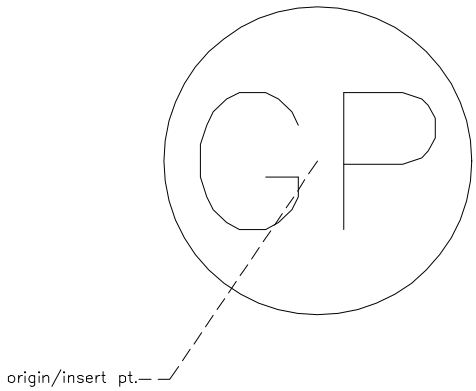
Utilities UGENER
Element Type: Symbol
Description: Generator



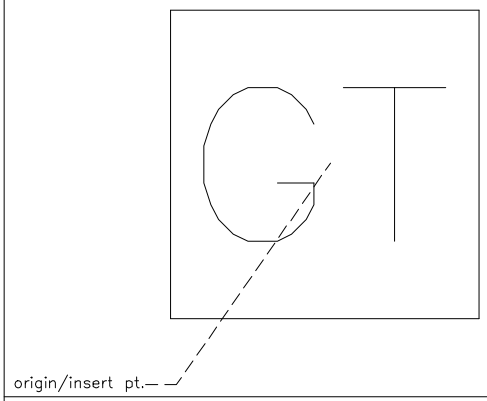
Utilities UGMHOL
Element Type: Symbol
Description: Natural Gas Manhole



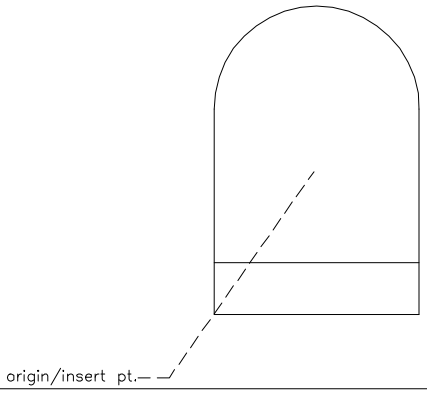
Utilities UGEVLV
Element Type: Symbol
Description: Generic Valve



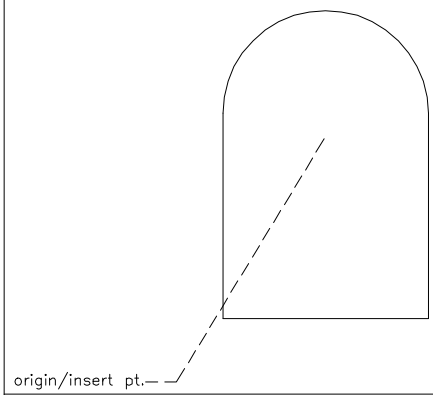
Utilities UGPLNT
Element Type: Symbol
Description: Gas Plant



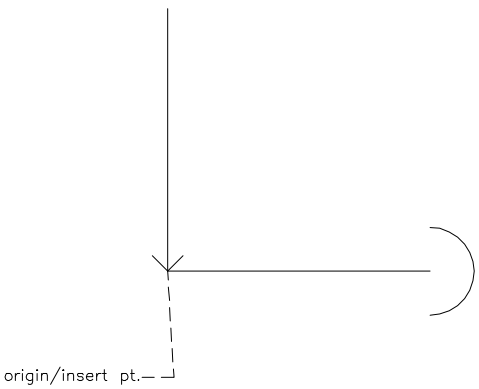
Utilities UGREAS
Element Type: Symbol
Description: Grease Trap



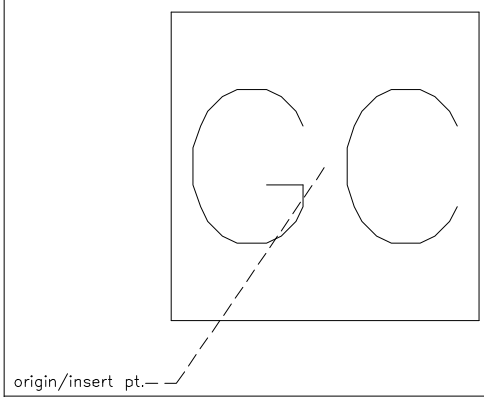
Utilities UGTRAP
Element Type: Symbol
Description: Natural Gas Trap



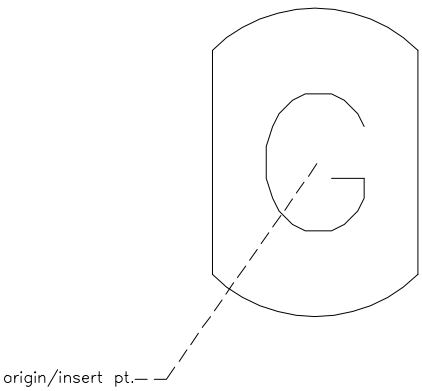
Utilities UGRECV
Element Type: Symbol
Description: Natural Gas Receiver



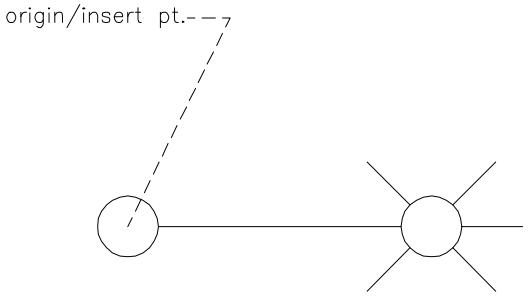
Utilities UGUYDN
Element Type: Symbol
Description: Guy Down



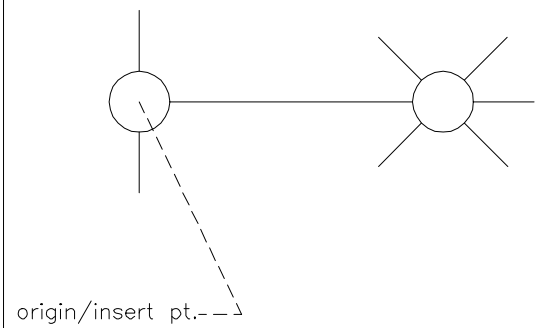
Utilities UGRITC
Element Type: Symbol
Description: Grit Chamber



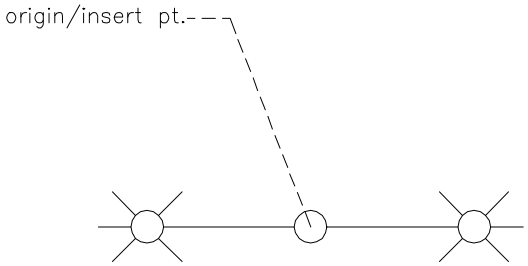
Utilities UGVALT
Element Type: Symbol
Description: Natural Gas Valve Vault



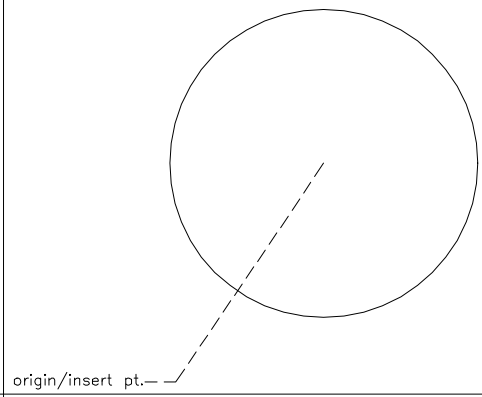
Utilities UL1PST
Element Type: Symbol
Description: Light Post, 1 Arm 1 Head



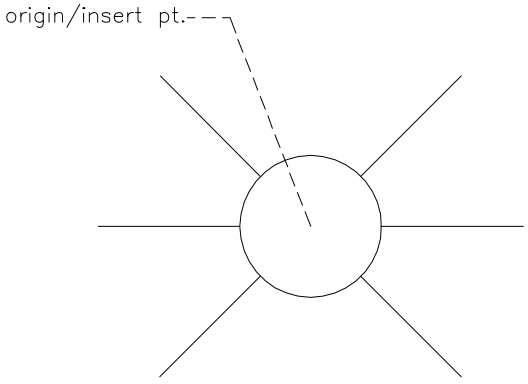
Utilities ULPPST
Element Type: Symbol
Description: Light Post, 1 Arm in Power Pole



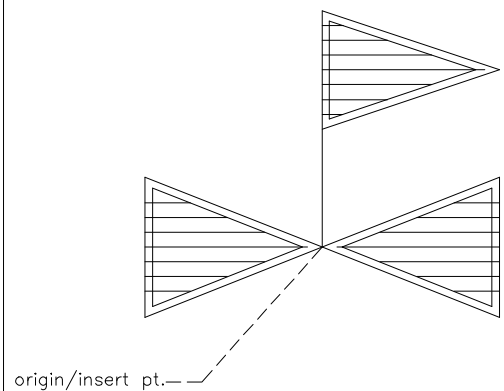
Utilities UL2PST
Element Type: Symbol
Description: Light Post, 2 Arms 2 Heads



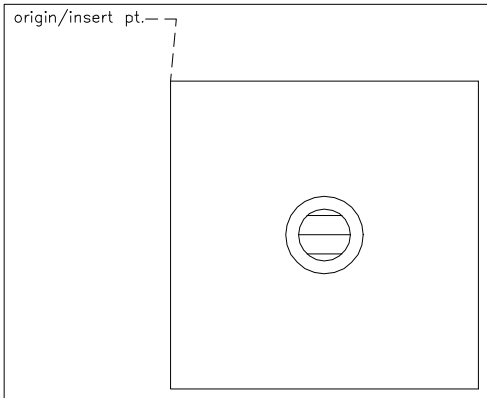
Utilities UMOTOR
Element Type: Symbol
Description: Motor



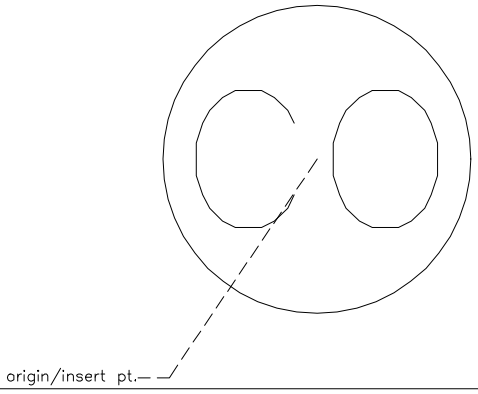
Utilities ULEPST
Element Type: Symbol
Description: Light Post Electrolier w/o Arm



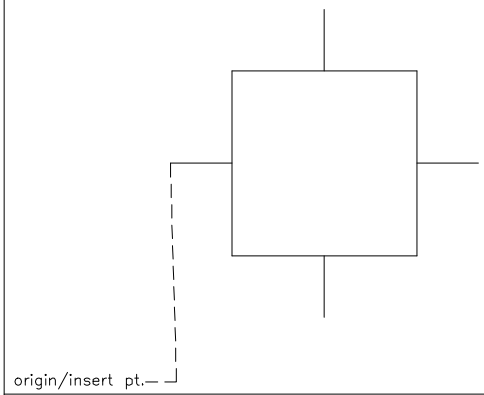
Utilities UPIVLV
Element Type: Symbol
Description: Post Indicator Valve (1)



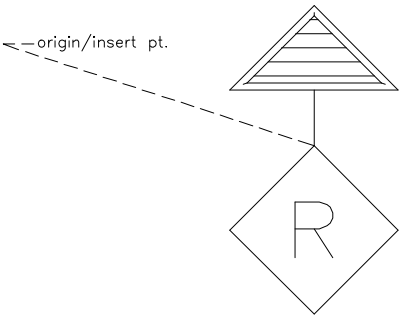
Utilities UPUBOX
Element Type: Symbol
Description: Pull Box



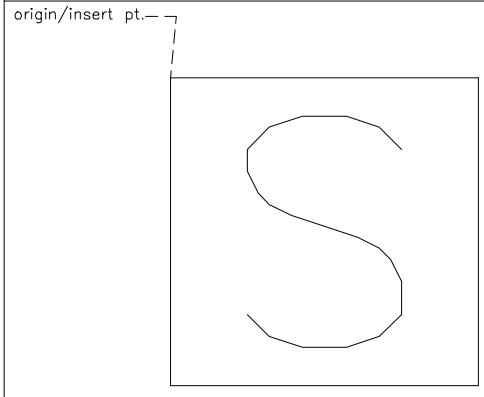
Utilities USCOUT
Element Type: Symbol
Description: Sanitary Cleanout



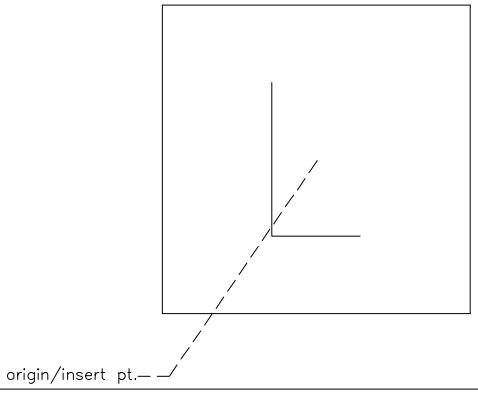
Utilities URLGHT
Element Type: Symbol
Description: Runway Light



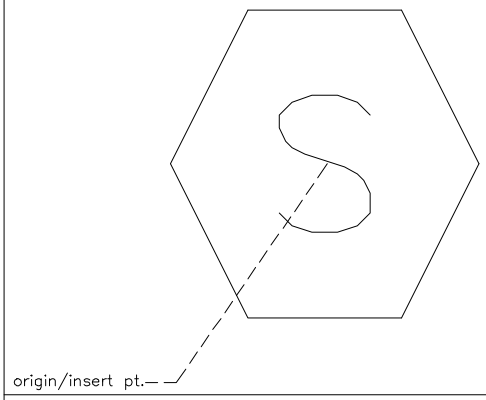
Utilities USCREC
Element Type: Symbol
Description: Rectifier, Cathodic Protection Sanitary



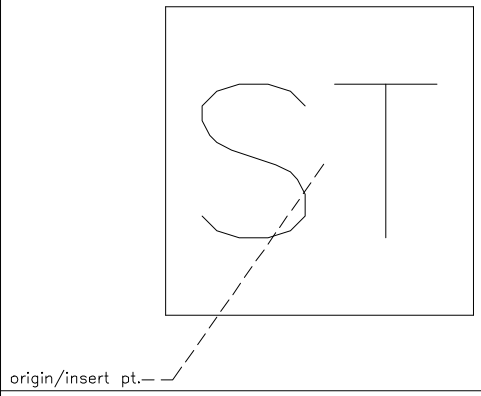
Utilities USBSTA
Element Type: Symbol
Description: Substation



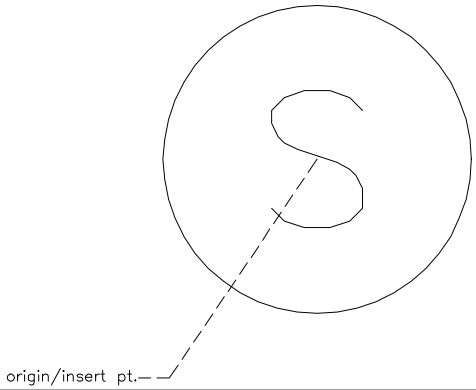
Utilities USLSTA
Element Type: Symbol
Description: Sanitary Sewer Lift Station



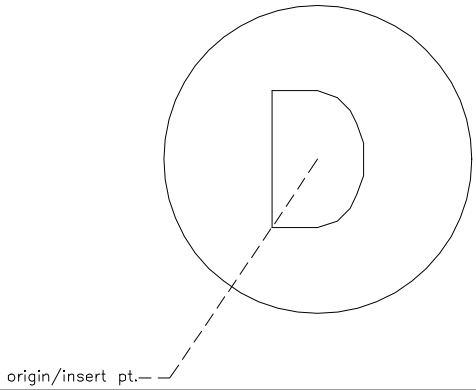
Utilities USMETR
Element Type: Symbol
Description: Sanitary Meter



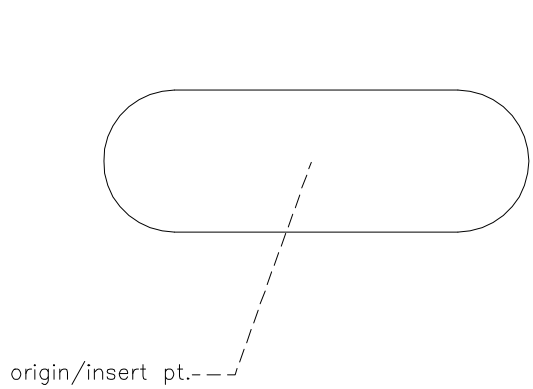
Utilities USTANK
Element Type: Symbol
Description: Septic Tank



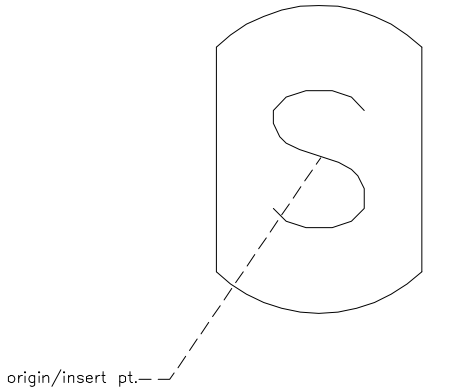
Utilities USMHOL
Element Type: Symbol
Description: Sanitary Manhole



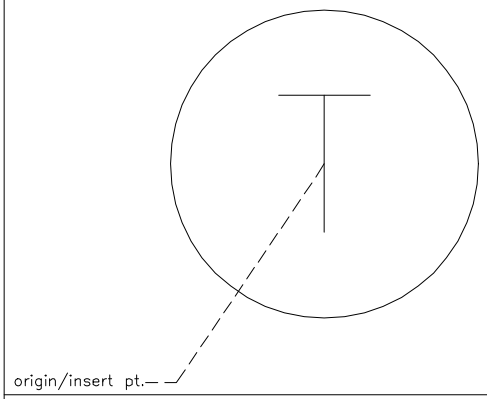
Utilities USTMHL
Element Type: Symbol
Description: Storm Drainage Manhole



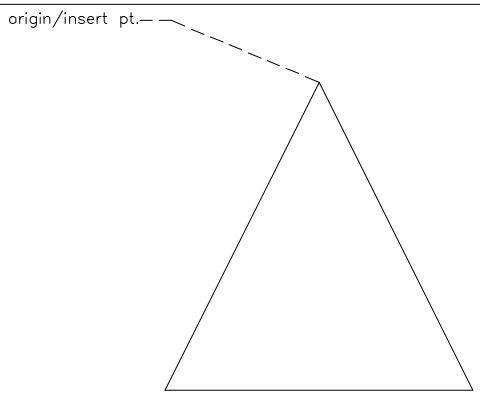
Utilities USPVSL
Element Type: Symbol
Description: Sanitary Pressure Vessel



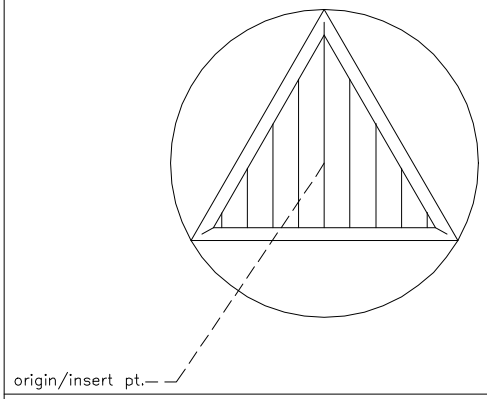
Utilities USVALT
Element Type: Symbol
Description: Sanitary Valve Vault



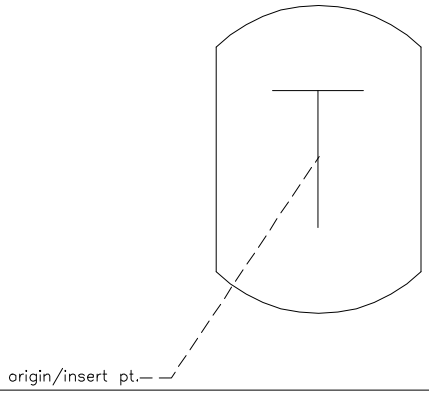
Utilities UTMHOL
Element Type: Symbol
Description: Telephone Manhole



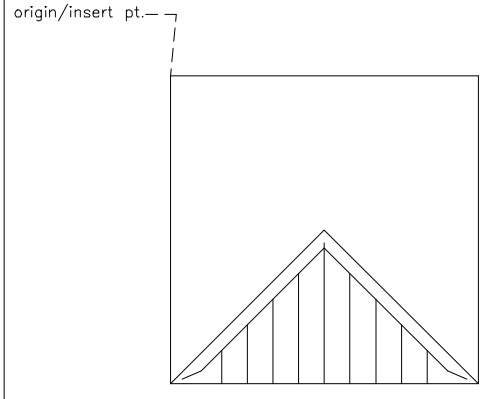
Utilities UTRPOL
Element Type: Symbol
Description: Pole Type Transformer



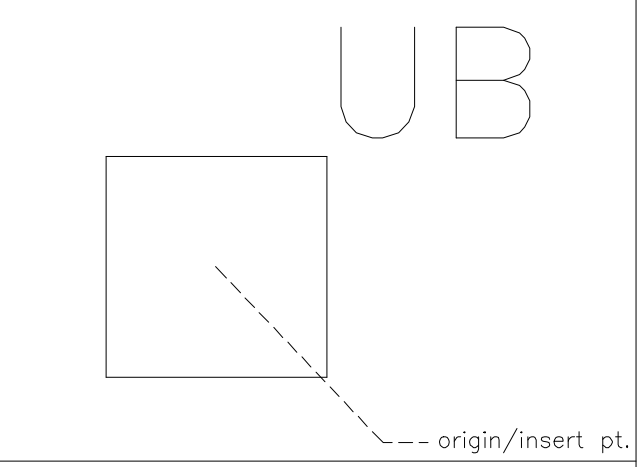
Utilities UTRBLD
Element Type: Symbol
Description: Building Transformer



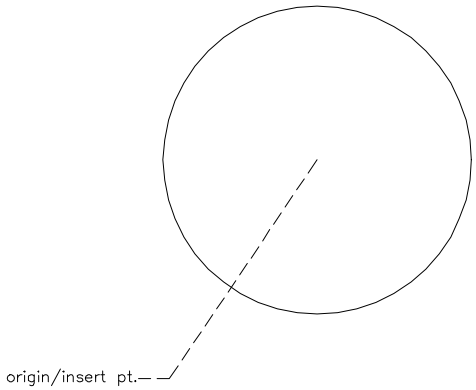
Utilities UTVALT
Element Type: Symbol
Description: Telephone Vault



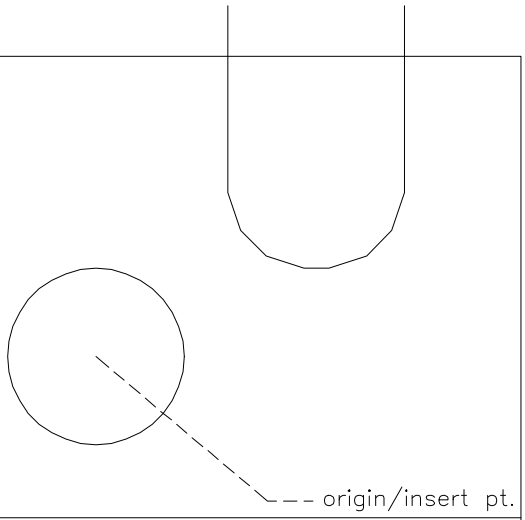
Utilities UTRPAD
Element Type: Symbol
Description: Pad Mounted Transformer



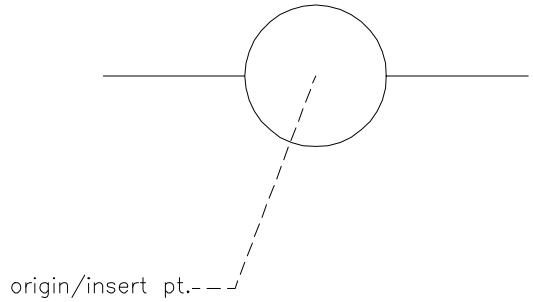
Utilities UUKBOX
Element Type: Symbol
Description: Unknown Box



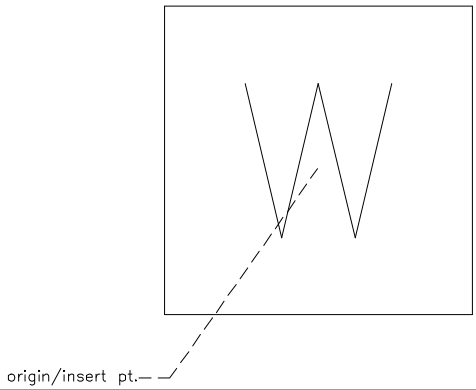
Utilities UUPIPE
Element Type: Symbol
Description: Unknown Pipe



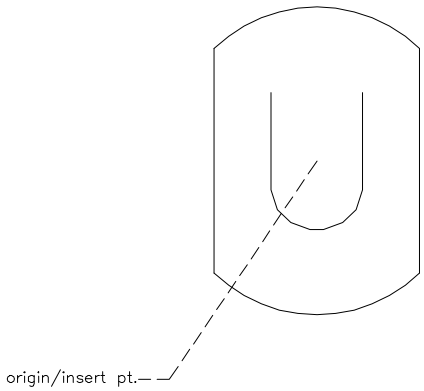
Utilities UUVALV
Element Type: Symbol
Description: Unknown Valve



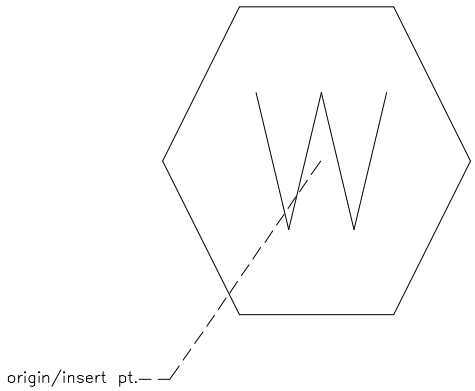
Utilities UUPOLE
Element Type: Symbol
Description: Utility Pole



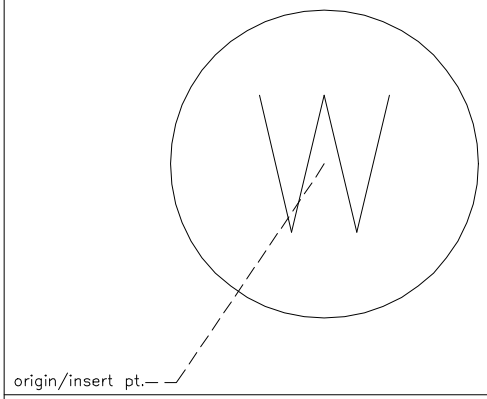
Utilities UWHAND
Element Type: Symbol
Description: Water Handhole



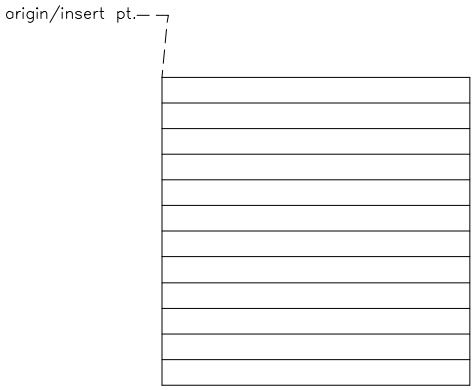
Utilities UUVALT
Element Type: Symbol
Description: Unknown Vault



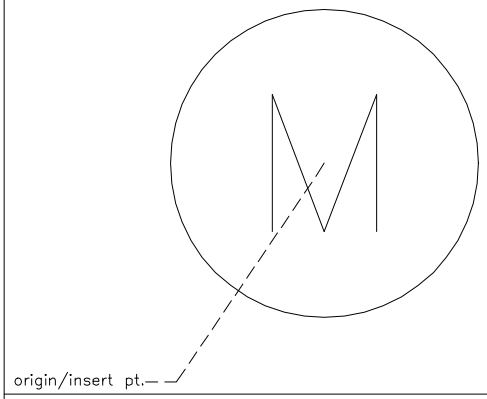
Utilities UWMETR
Element Type: Symbol
Description: Water Meter



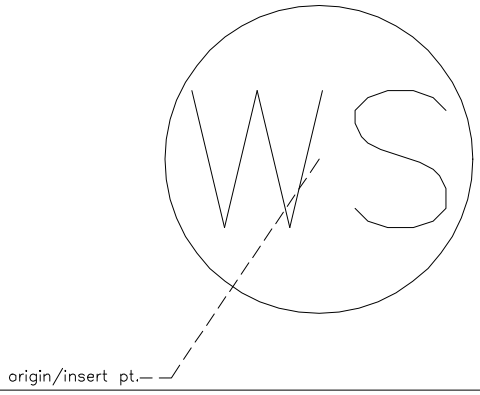
Utilities UWMHOL
Element Type: Symbol
Description: Water Manhole



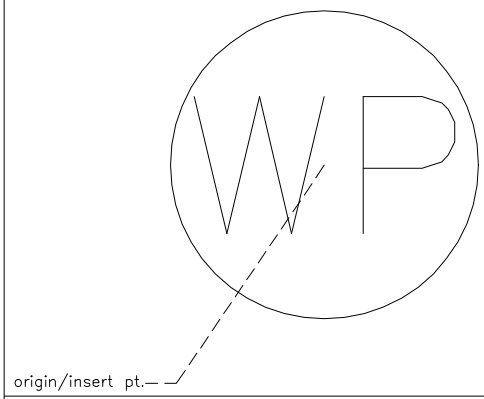
Utilities UWPSTA
Element Type: Symbol
Description: Water Station Pump



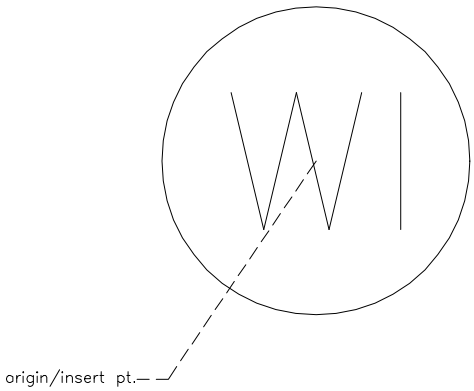
Utilities UWMSTA
Element Type: Symbol
Description: Water Meter Station



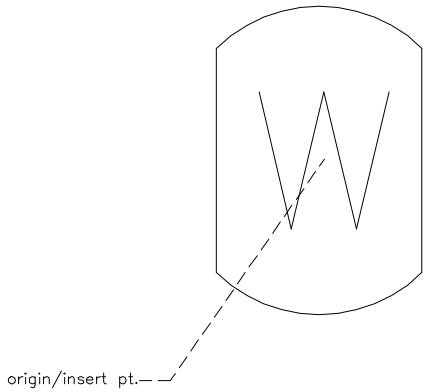
Utilities UWSOFT
Element Type: Symbol
Description: Water Softener



Utilities UWPLNT
Element Type: Symbol
Description: Water Plant

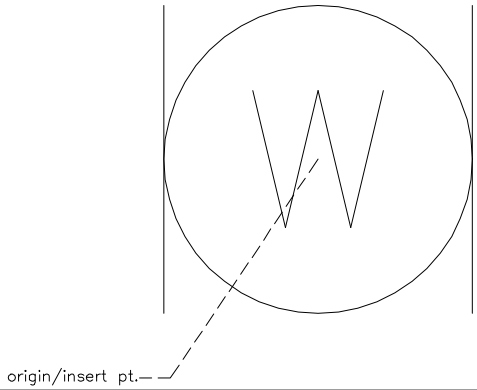


Utilities UWTANK
Element Type: Symbol
Description: Water Tank



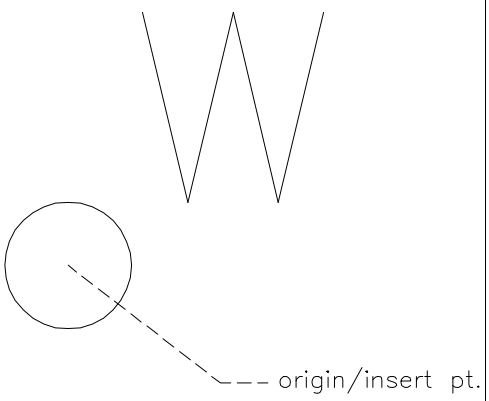
Utilities UWVALT
Element Type: Symbol
Description: Water Valve Vault

Utilities
Element Type:
Description:



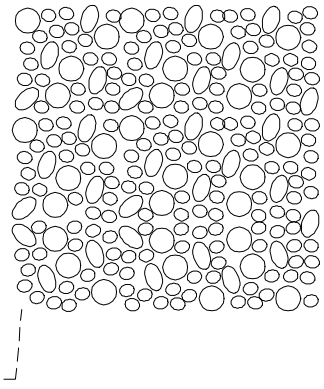
Utilities UWVALV
Element Type: Symbol
Description: Water Regulator Valve

Utilities
Element Type:
Description:



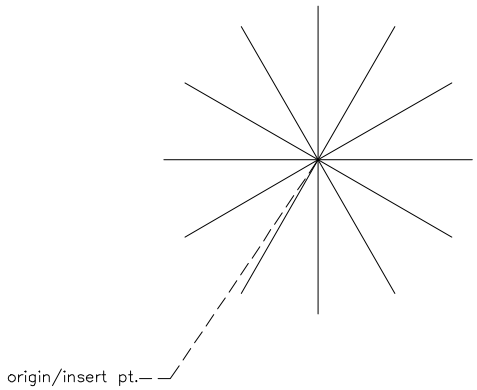
Utilities UWVMAN
Element Type: Symbol
Description: Manually Operated Water Valve

Utilities
Element Type:
Description:

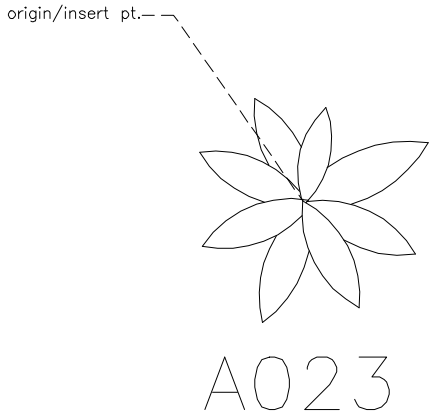


Utilities UFILTB ***Element Type:*** Symbol ***Description:*** Filtration Bed	***Utilities*** ***Element Type:*** ***Description:***
Utilities ***Element Type:*** ***Description:***	***Utilities*** ***Element Type:*** ***Description:***
Utilities ***Element Type:*** ***Description:***	***Utilities*** ***Element Type:*** ***Description:***

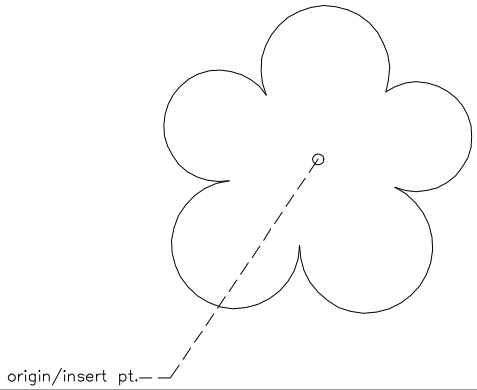
8 Landscape Architecture Symbols Library



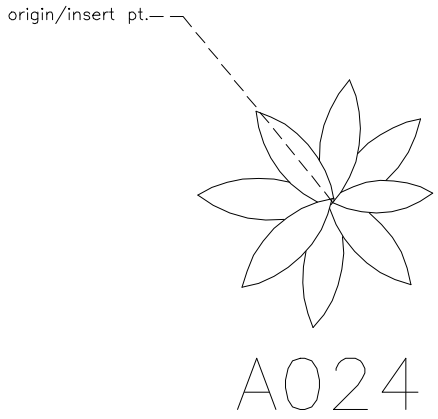
Landscape CCTREE
Element Type: Symbol
Description: Coniferous Tree



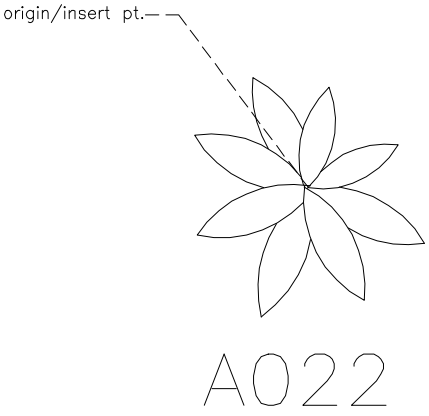
Landscape IPLAN4
Element Type: Symbol
Description: Artificial Plant 4



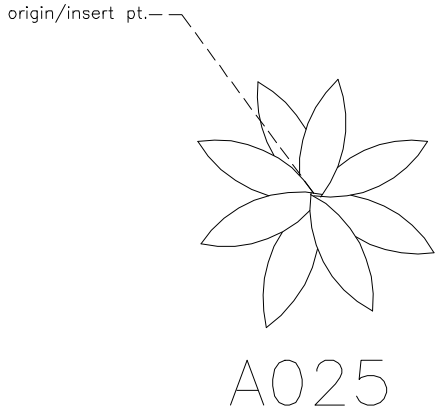
Landscape CGTREE
Element Type: Symbol
Description: Generic Tree Symbol



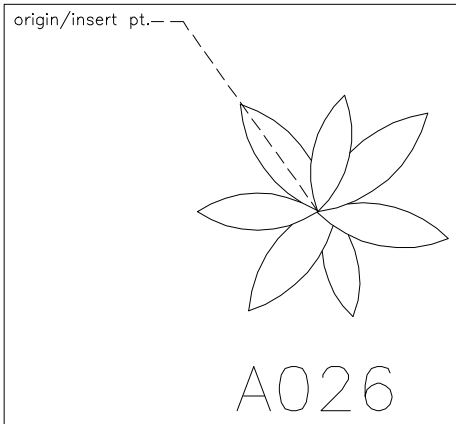
Landscape IPLAN5
Element Type: Symbol
Description: Artificial Plant 5



Landscape IPLAN3
Element Type: Symbol
Description: Artificial Plant 3



Landscape IPLAN6
Element Type: Symbol
Description: Artificial Plant 6



Landscape IPLAN7
Element Type: Symbol
Description: Artificial Plant 7

Landscape
Element Type:
Description:

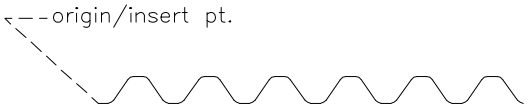
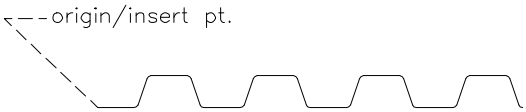
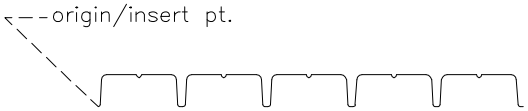
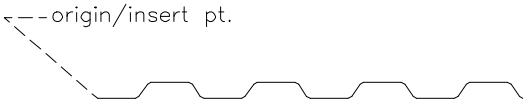
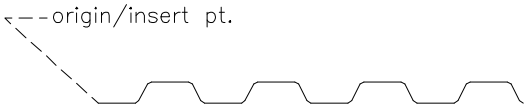
Landscape
Element Type:
Description:

Landscape
Element Type:
Description:

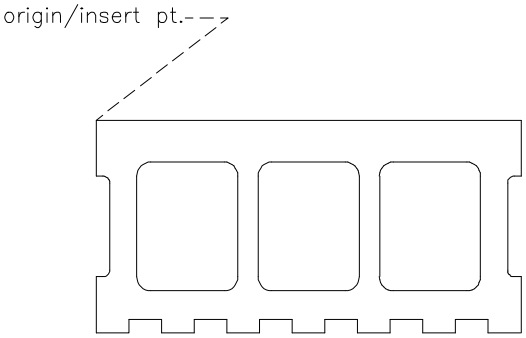
Landscape
Element Type:
Description:

Landscape
Element Type:
Description:

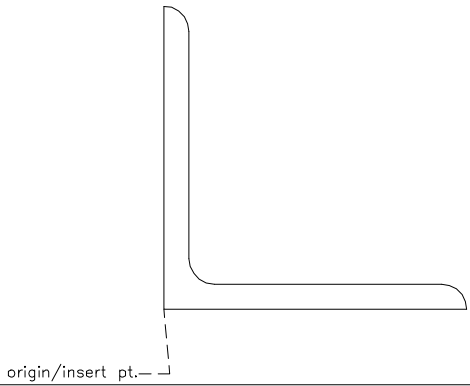
9 Structural Objects Library

	
Structural Element Type: STM215 ***Description:*** Metal Deck, 1.5"	***Structural Element Type:*** STMD03 ***Description:*** Metal Deck, 3"
	
Structural Element Type: STM315 ***Description:*** Metal Deck, 1.5"	***Structural Element Type:*** STMD15 ***Description:*** Metal Deck,1.5"
	
Structural Element Type: STMD02 ***Description:*** Metal Deck, 2"	***Structural Element Type:*** ***Description:***

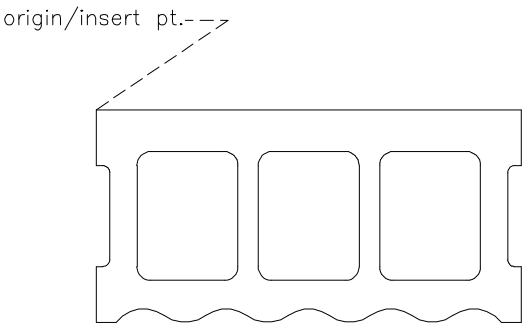
9 Structural Symbols Library



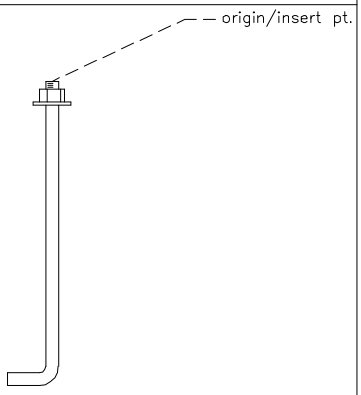
Structural SCMUCR
Element Type: Symbol
Description: Ribbed Concrete Block, 8 X 8 X 16



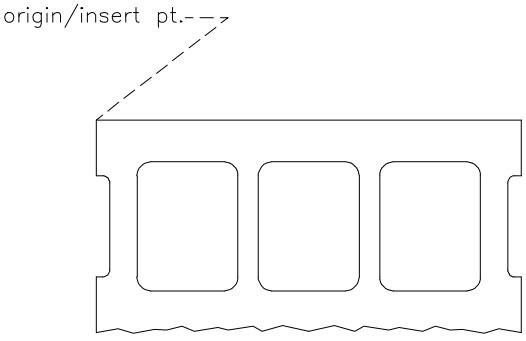
Structural STANGL
Element Type: Symbol
Description: Angle



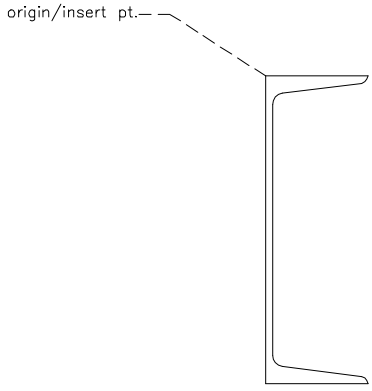
Structural SCMUFL
Element Type: Symbol
Description: Fluted Concrete Block, 8 X 8 X 16



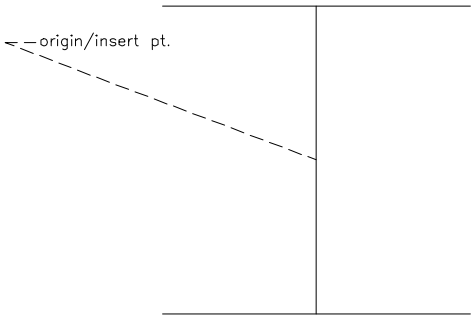
Structural STBTAN
Element Type: Symbol
Description: Anchor Bolt



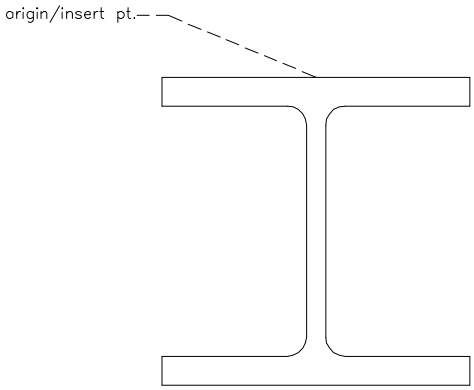
Structural SCMUSF
Element Type: Symbol
Description: Split Face Concrete Block, 8 X 8 X 16



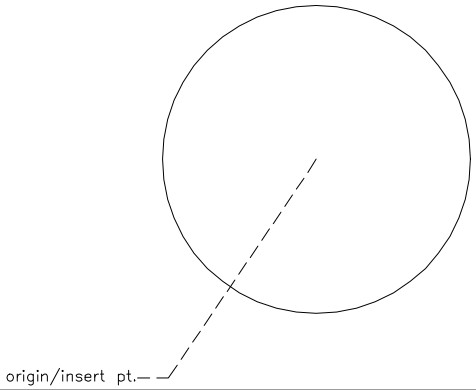
Structural STCHNL
Element Type: Symbol
Description: C Channel



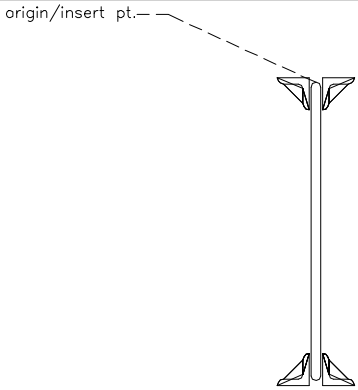
Structural STCOLI
Element Type: Symbol
Description: I Beam Column Symbol



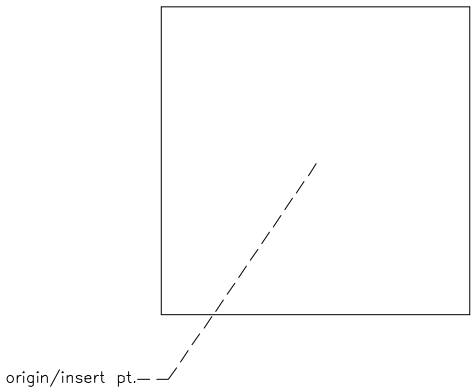
Structural STHBEM
Element Type: Symbol
Description: Beam HP Shape



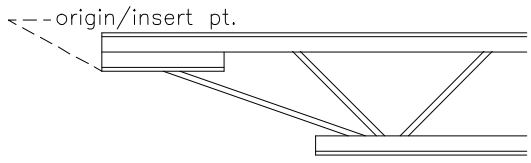
Structural STCOLR
Element Type: Symbol
Description: Circular Column Symbol



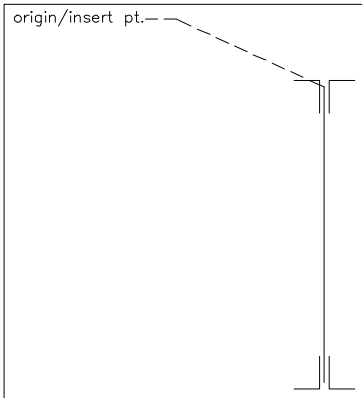
Structural STJSTD
Element Type: Symbol
Description: Joist Bar, Double Line



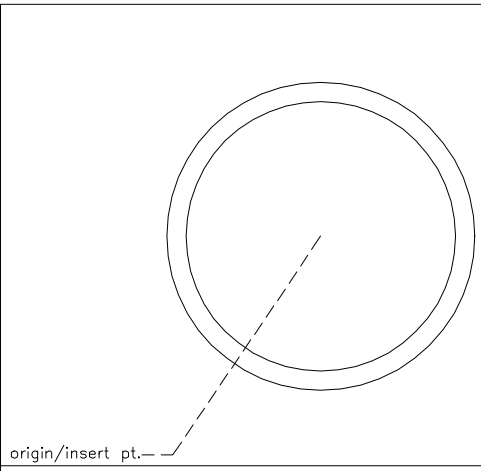
Structural STCOLS
Element Type: Symbol
Description: Square Column Symbol



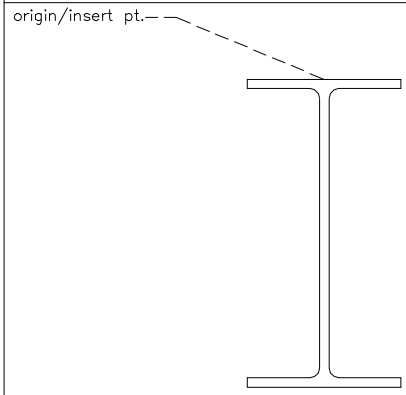
Structural STJSTE
Element Type: Symbol
Description: Joist Bar, Elevation



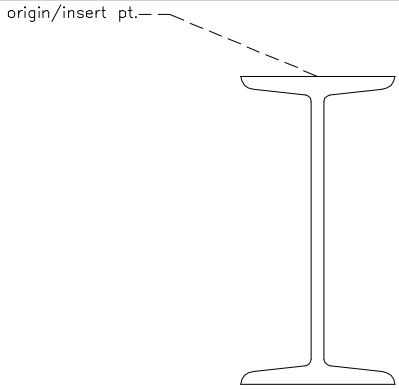
Structural STJSTS
Element Type: Symbol
Description: Joist Bar, Single Line



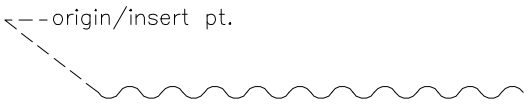
Structural STROUN
Element Type: Symbol
Description: Pipe Standard



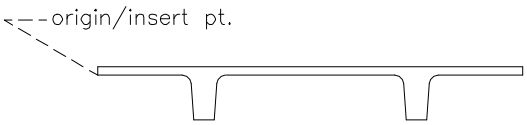
Structural STMBEM
Element Type: Symbol
Description: Beam M Shape



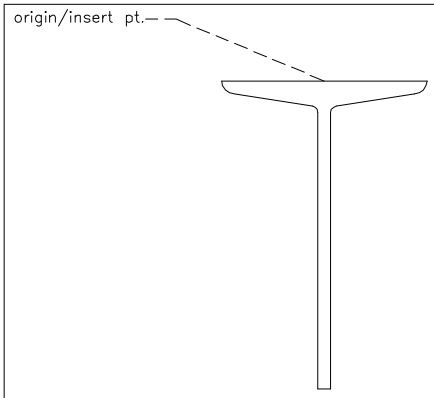
Structural STSBEM
Element Type: Symbol
Description: Beam S Shape



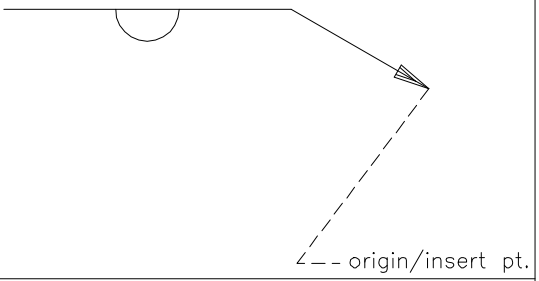
Structural STMDCO
Element Type: Symbol
Description: Corrugated Metal Deck



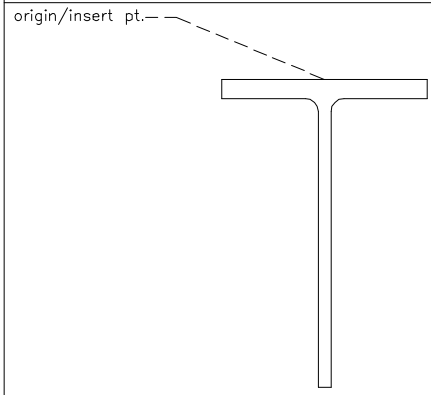
Structural STTBEM
Element Type: Symbol
Description: Precast T Beam



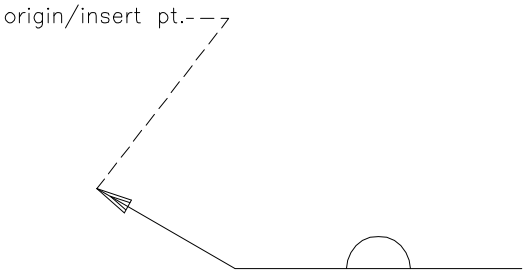
Structural STTEES
Element Type: Symbol
Description: Tee-ST



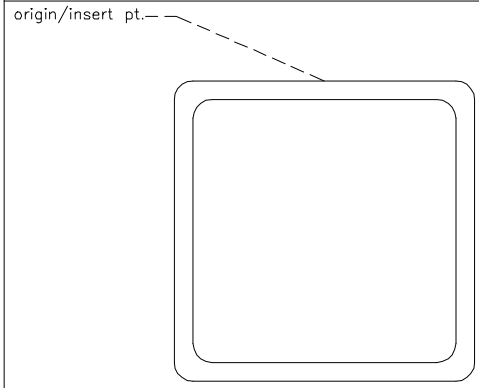
Structural STWBBA
Element Type: Symbol
Description: Weld, Basic Back/Backing Arrow Side



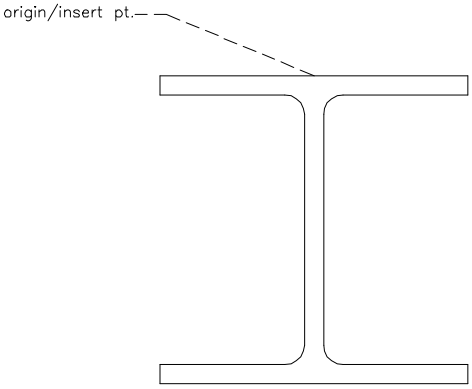
Structural STTEEW
Element Type: Symbol
Description: Tee-WT



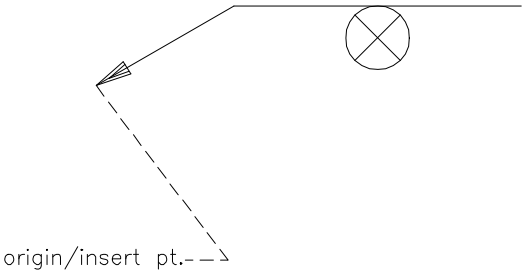
Structural STWBBO
Element Type: Symbol
Description: Weld, Basic Back/Backing Other Side



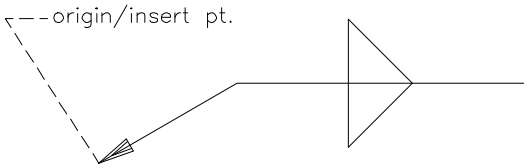
Structural STTUBE
Element Type: Symbol
Description: Structural Tubing



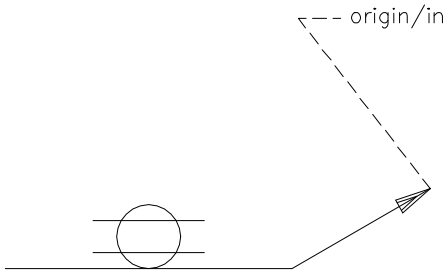
Structural STWBEM
Element Type: Symbol
Description: Beam W Shape



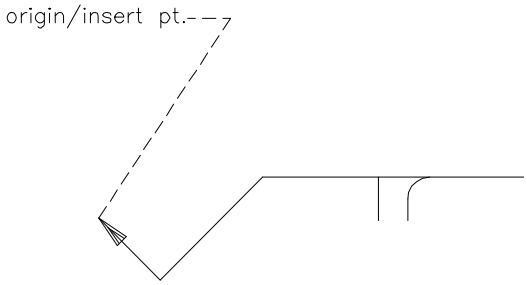
Structural STWBSA
Element Type: Symbol
Description: Weld, Basic Stud Arrow Side



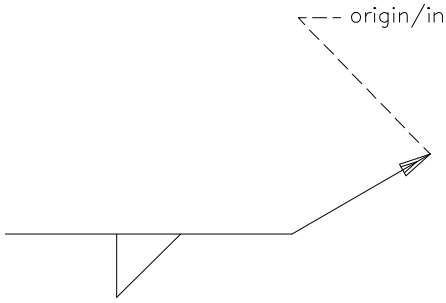
Structural STWFBS
Element Type: Symbol
Description: Weld, Basic Fillet Both Sides



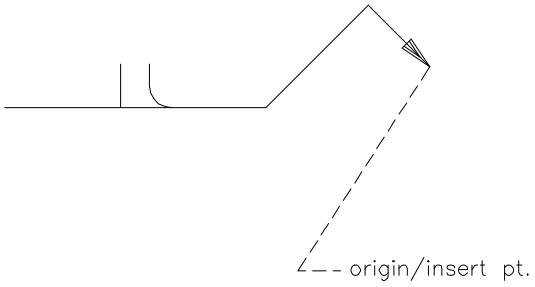
Structural STWBSO
Element Type: Symbol
Description: Weld, Basic Seam Other Side



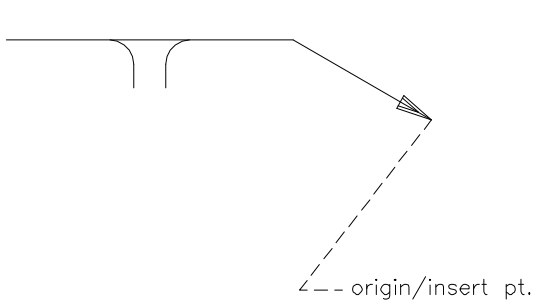
Structural STWFCA
Element Type: Symbol
Description: Weld, Basic Flange Corner Arrow Side



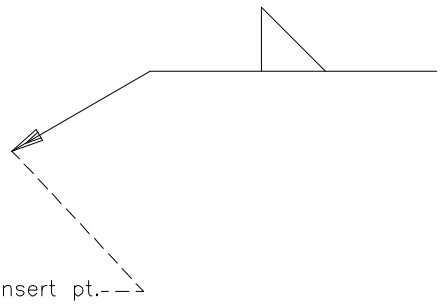
Structural STWFAS
Element Type: Symbol
Description: Weld, Basic Fillet Arrow Side



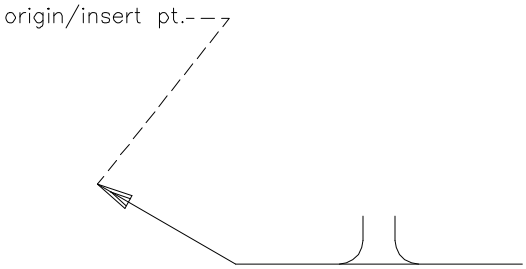
Structural STWFCO
Element Type: Symbol
Description: Weld, Basic Flange Corner Other Side



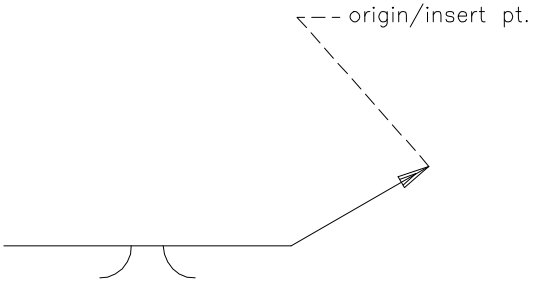
Structural STWFEA
Element Type: Symbol
Description: Weld, Basic Flange Edge Arrow Side



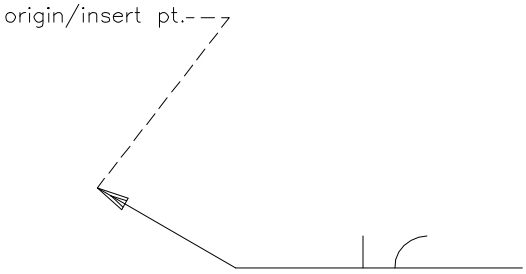
Structural STWFOS
Element Type: Symbol
Description: Weld, Basic Fillet Other Side



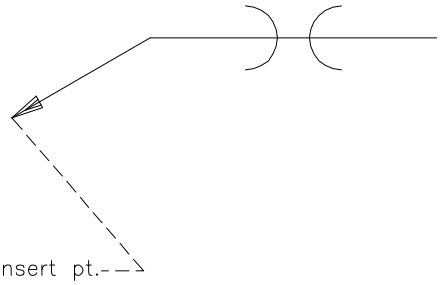
Structural STWFEO
Element Type: Symbol
Description: Weld, Basic Flange Edge Other Side



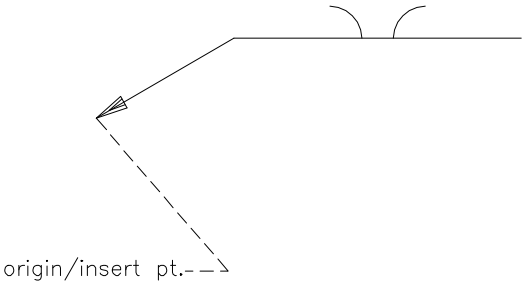
Structural STWFVA
Element Type: Symbol
Description: Weld, Groove Flare V Arrow Side



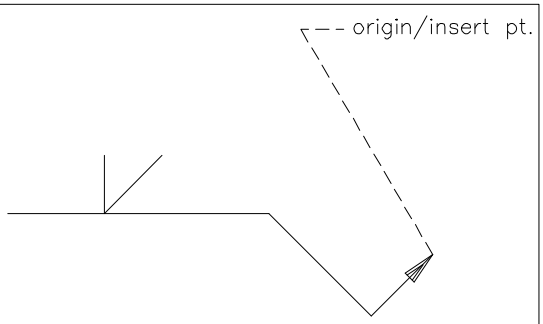
Structural STWFGO
Element Type: Symbol
Description: Weld, Groove Flare Bevel Other Side



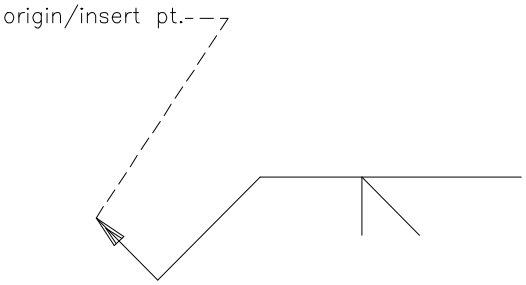
Structural STWFVB
Element Type: Symbol
Description: Weld, Groove Flare V Both Sides



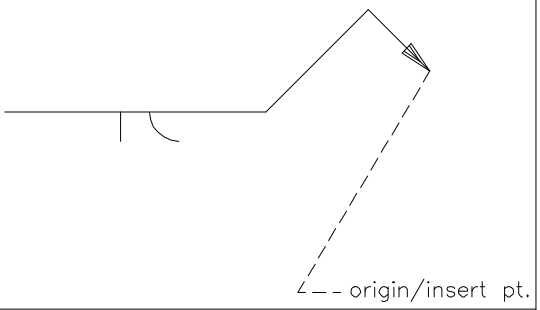
Structural STWFVO
Element Type: Symbol
Description: Weld, Groove Flare V Other Side



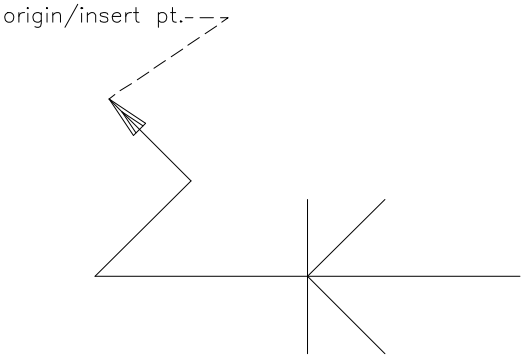
Structural STWGBO
Element Type: Symbol
Description: Weld, Groove Bevel Other Side



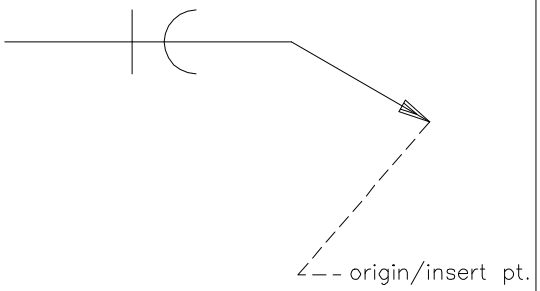
Structural STWGBA
Element Type: Symbol
Description: Weld, Groove Bevel Arrow Side



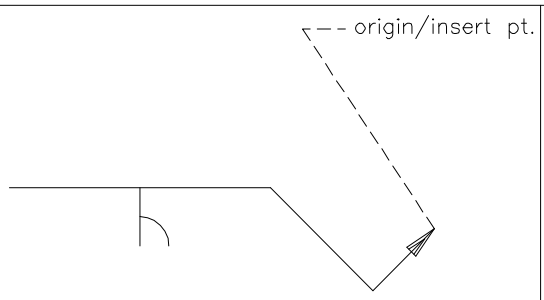
Structural STWGFA
Element Type: Symbol
Description: Weld, Groove Flare Bevel Arrow Side



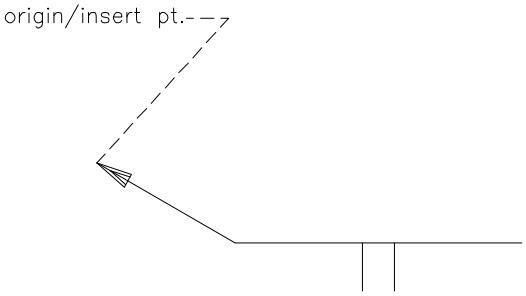
Structural STWGBB
Element Type: Symbol
Description: Weld, Groove Bevel Both Sides



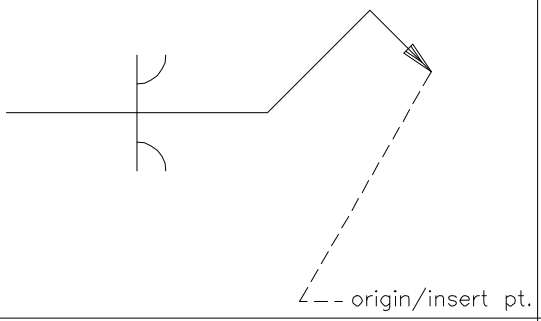
Structural STWGFB
Element Type: Symbol
Description: Weld, Groove Flare Bevel Both Sides



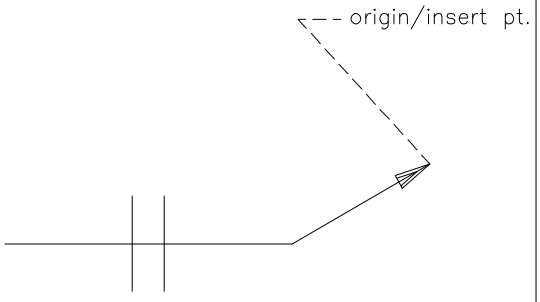
Structural STWGJA
Element Type: Symbol
Description: Weld, Typ. Groove J Arrow Side



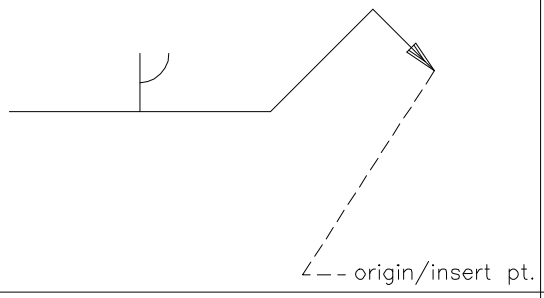
Structural STWGSA
Element Type: Symbol
Description: Weld, Groove Square Arrow Side



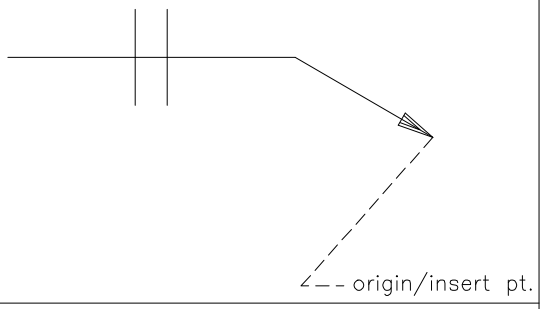
Structural STWGJB
Element Type: Symbol
Description: Weld, Typ. Groove J Both Sides



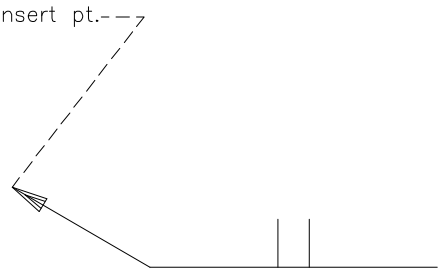
Structural STWGSB
Element Type: Symbol
Description: Weld, Groove Square Both Sides



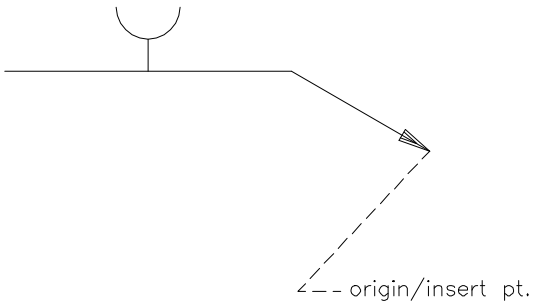
Structural STWGJO
Element Type: Symbol
Description: Weld, Typ. Groove J Other Side



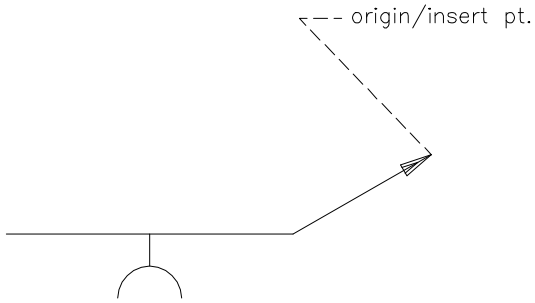
Structural STWGSN
Element Type: Symbol
Description: Weld, Groove Square No Arrow Side



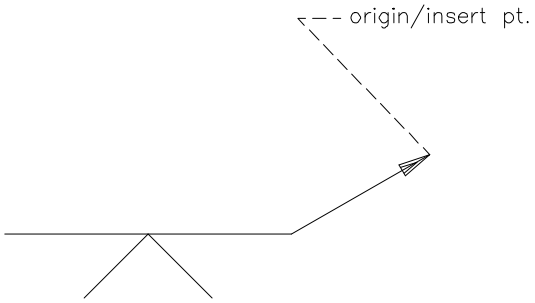
Structural STWGSO
Element Type: Symbol
Description: Weld, Groove Square Other Side



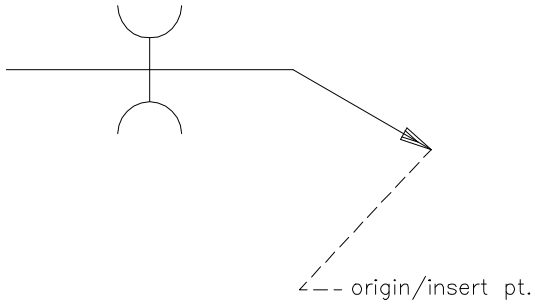
Structural STWGUO
Element Type: Symbol
Description: Weld, Groove U Other Side



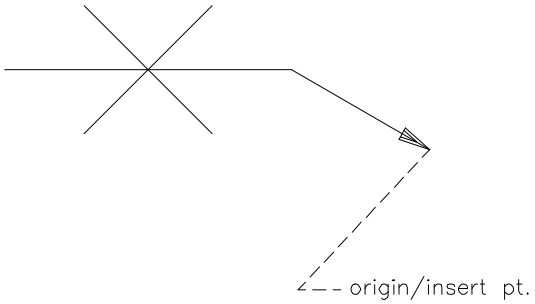
Structural STWGUA
Element Type: Symbol
Description: Weld, Groove U Arrow Side



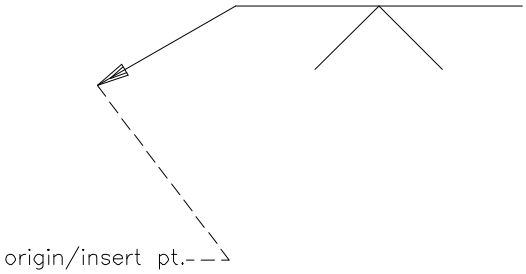
Structural STWGVA
Element Type: Symbol
Description: Weld, Groove V Arrow Side



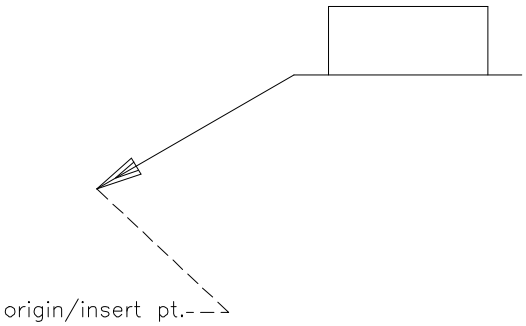
Structural STWGUB
Element Type: Symbol
Description: Weld, Groove U Both Sides



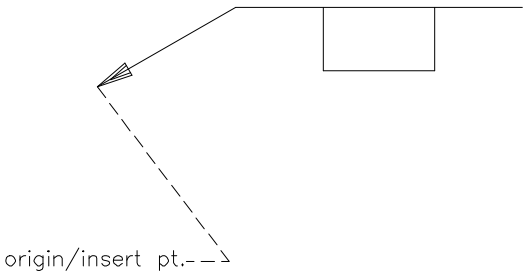
Structural STWGVB
Element Type: Symbol
Description: Weld, Groove V Both Sides



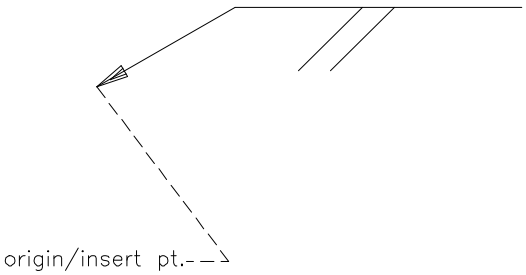
Structural STWGVO
Element Type: Symbol
Description: Weld, Groove V Other Side



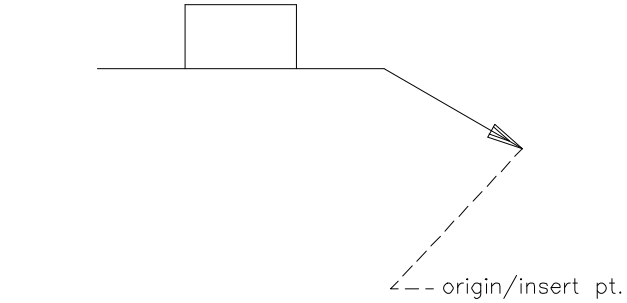
Structural STWSB1
Element Type: Symbol
Description: Weld, Supplementary Field Weld



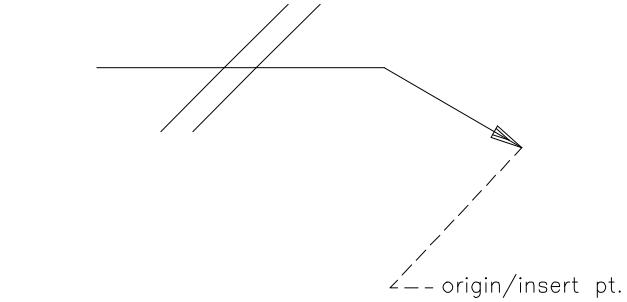
Structural STWPSA
Element Type: Symbol
Description: Weld, Basic Plug or Slot Arrow Side



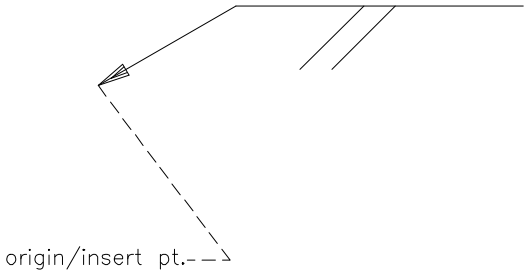
Structural STWSBA
Element Type: Symbol
Description: Weld, Groove Scarf for Braz Jt Arrow



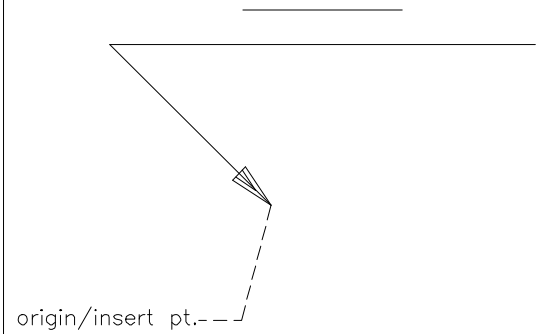
Structural STWPSO
Element Type: Symbol
Description: Weld, Basic Plug or Slot Other Side



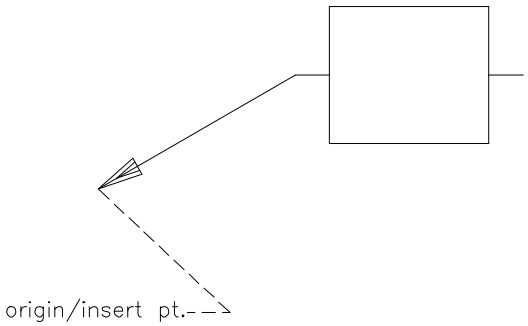
Structural STWSBB
Element Type: Symbol
Description: Weld, Groove Scarf for Braz Jt Both



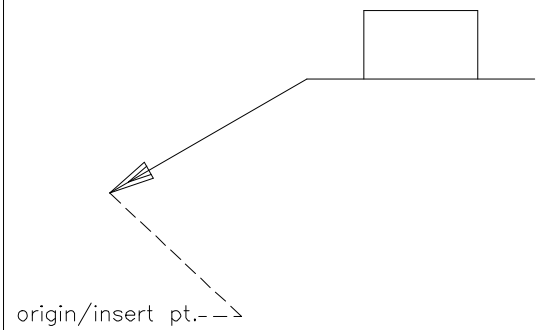
Structural STWSBO
Element Type: Symbol
Description: Weld, Groove Scarf for Braz Jt Other



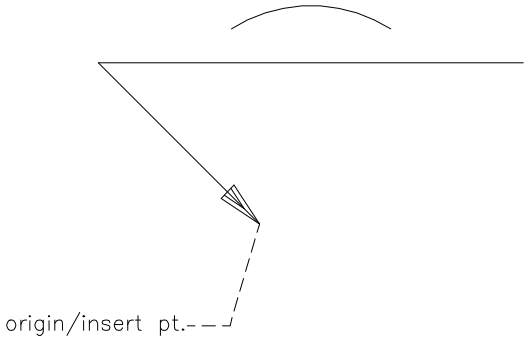
Structural STWSCF
Element Type: Symbol
Description: Weld, Supplementary Contour Flush



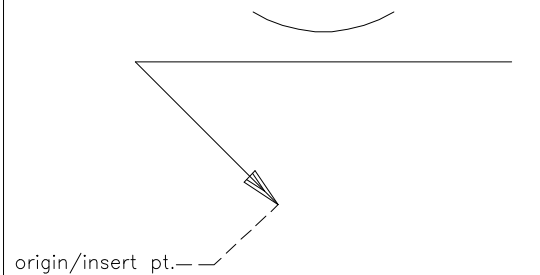
Structural STWSBS
Element Type: Symbol
Description: Weld, Supplementary Backing Spacer



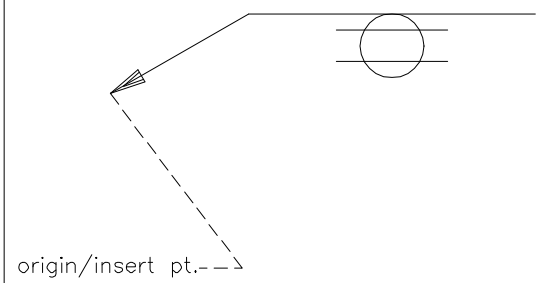
Structural STWSCI
Element Type: Symbol
Description: Weld, Supplementary Consumable Insert



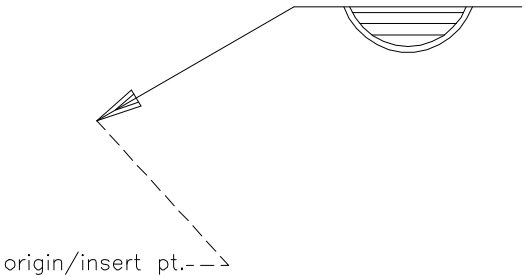
Structural STWSCC
Element Type: Symbol
Description: Weld, Supplementary Contour Convex



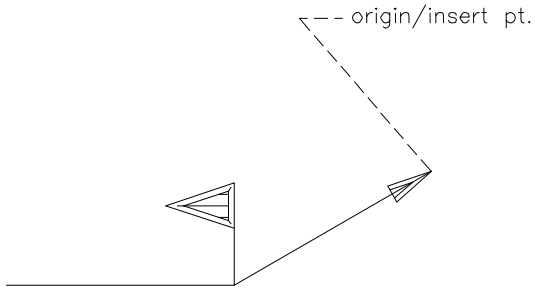
Structural STWSCO
Element Type: Symbol
Description: Weld, Supplementary Concave



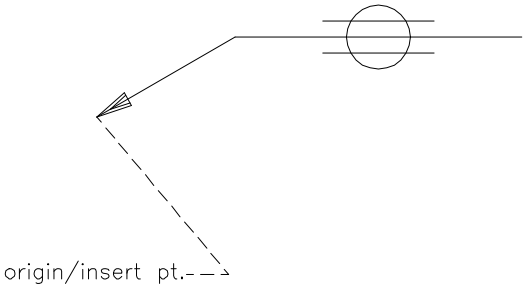
Structural STWSEA
Element Type: Symbol
Description: Weld, Basic Seam Arrow Side



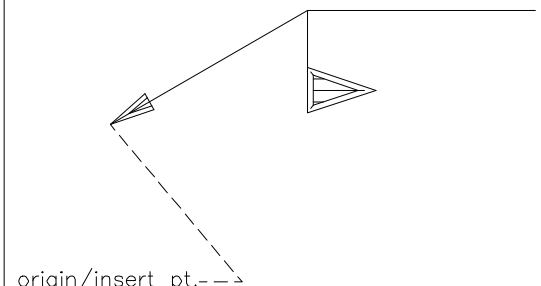
Structural STWSMT
Element Type: Symbol
Description: Weld, Supplementary Melt Thru



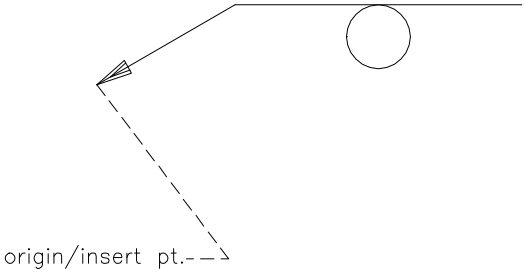
Structural STWSF1
Element Type: Symbol
Description: Weld, Supplementary Backing Spacer



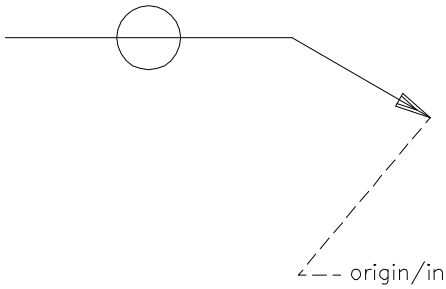
Structural STWSNA
Element Type: Symbol
Description: Weld, Basic Seam No A.S. Other Side



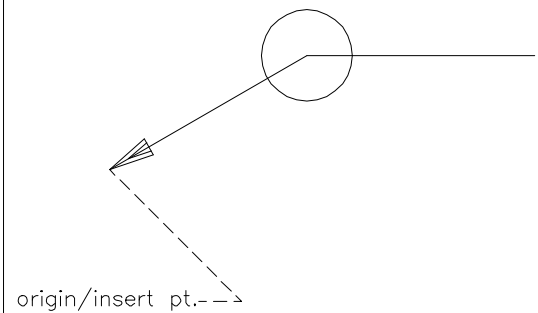
Structural STWSFW
Element Type: Symbol
Description: Weld, Supplementary Field Weld



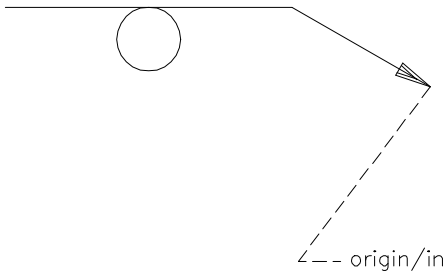
Structural STWSPA
Element Type: Symbol
Description: Weld, Basic Spot or Proj. Arrow Side



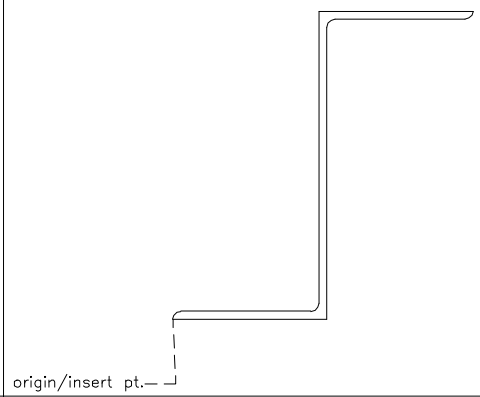
Structural STWSPN
Element Type: Symbol
Description: Weld, Basic Spot or Proj No Arrow



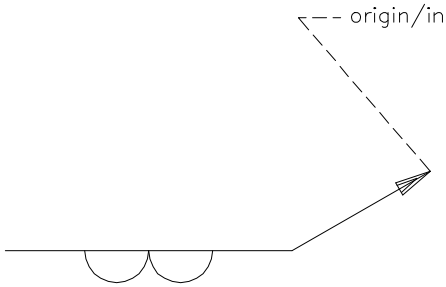
Structural STWSWA
Element Type: Symbol
Description: Weld, Suppl. Weld All Around



Structural STWSPO
Element Type: Symbol
Description: Weld, Basic Spot or Proj. Other Side



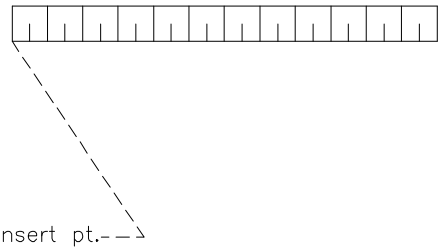
Structural STZEE
Element Type: Symbol
Description: Structural Zee Shape



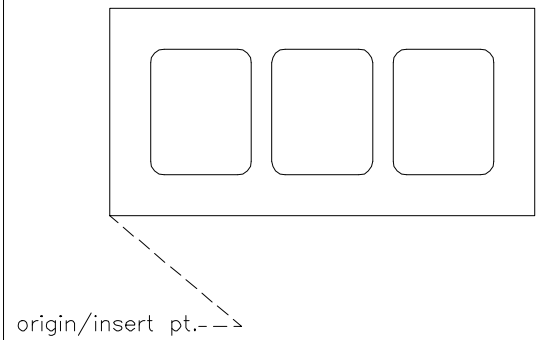
Structural STWSUA
Element Type: Symbol
Description: Weld, Basic Surfacing Arrow Side

Structural
Element Type:
Description:

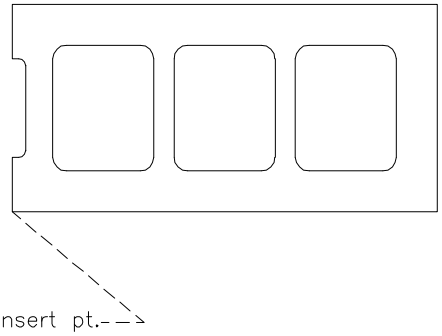
10 Architectural Symbols Library



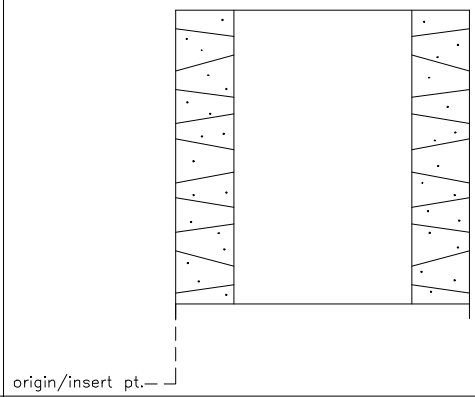
Architectural AACTLE
Element Type: Symbol
Description: Acoustical Tile Finishes



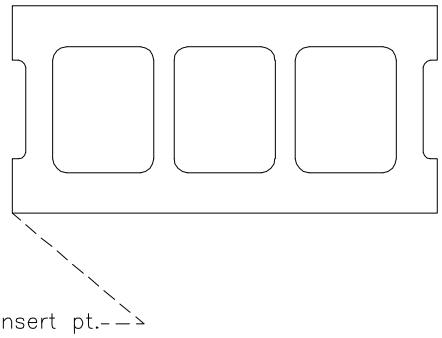
Architectural AB8X8T
Element Type: Symbol
Description: Concrete Block 8X8X16



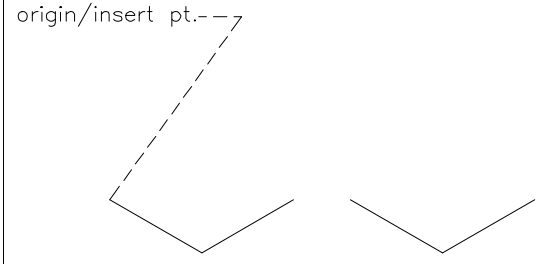
Architectural AB8X8C
Element Type: Symbol
Description: Concrete Block 8X8X16 Cor.



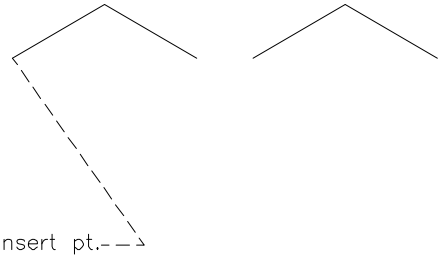
Architectural ABEND
Element Type: Symbol
Description: Concrete Block 8X8X16 End



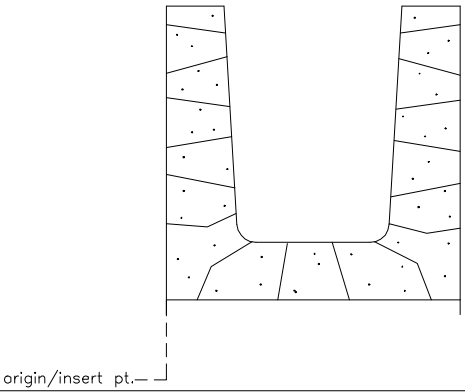
Architectural AB8X8S
Element Type: Symbol
Description: Concrete Block 8X8X16 Str.



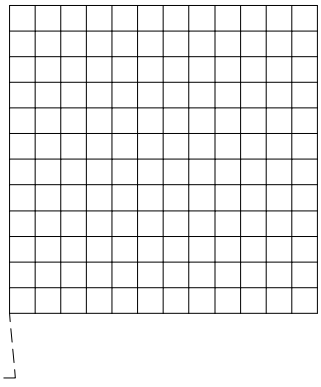
Architectural ABIFDL
Element Type: Symbol
Description: Left Bifold Door



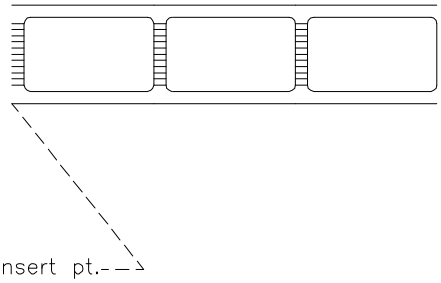
Architectural ABIFDR
Element Type: Symbol
Description: Right Bifold Door



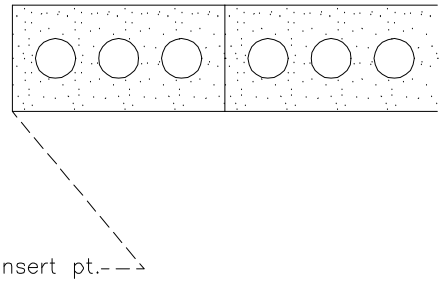
Architectural ABLINT
Element Type: Symbol
Description: Concrete Beam Bond Lintel



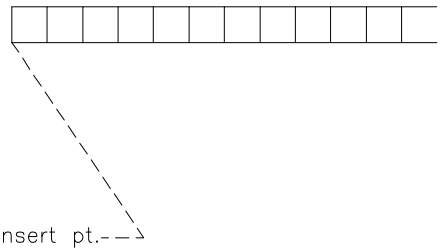
Architectural ABLELE
Element Type: Symbol
Description: Elevation Block Pattern



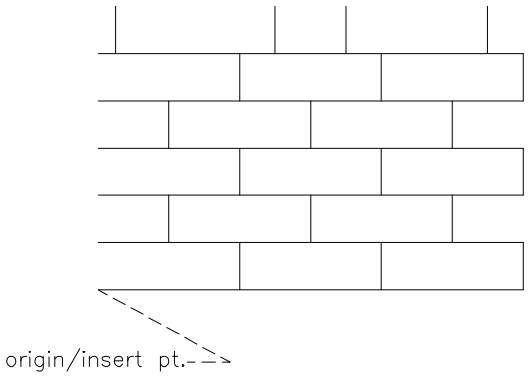
Architectural ABLLSC
Element Type: Symbol
Description: Large Scale Glass Block



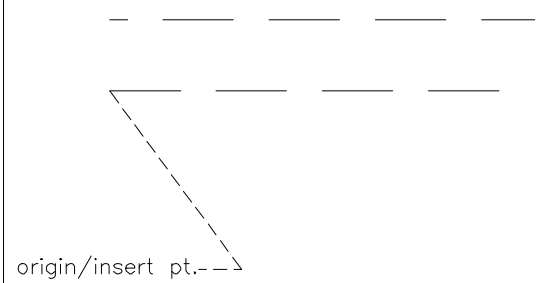
Architectural ABLGYP
Element Type: Symbol
Description: Gypsum Block



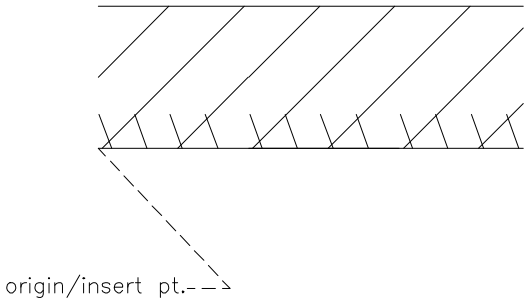
Architectural ABLSSC
Element Type: Symbol
Description: Small Scale Glass Block



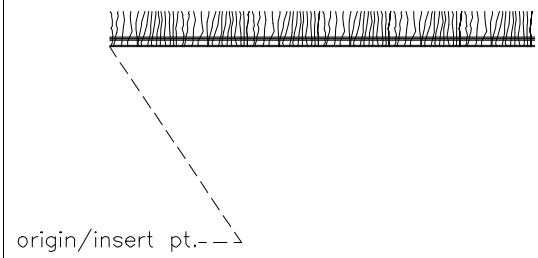
Architectural ABRCFL
Element Type: Symbol
Description: Brick Pattern



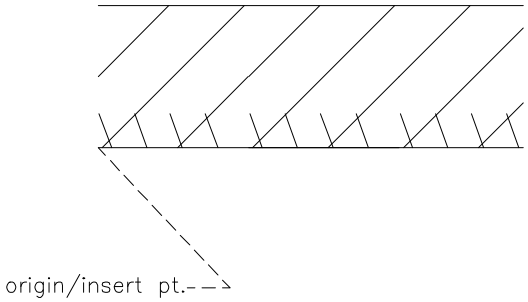
Architectural ABSSFS
Element Type: Symbol
Description: Bluestone/Slate/Soapstone/Flagging



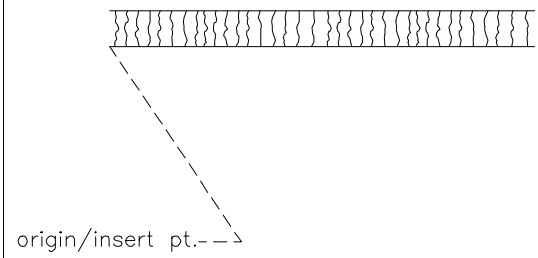
Architectural ABRFRE
Element Type: Symbol
Description: Fire Brick



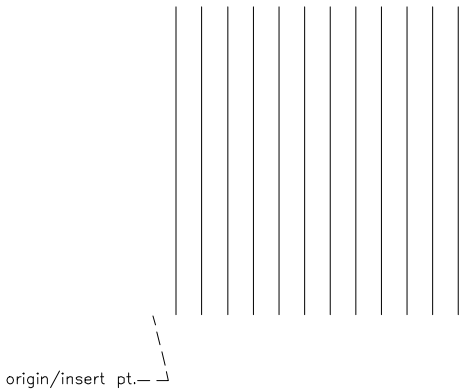
Architectural ACARPT
Element Type: Symbol
Description: Carpet and Pad Finishes



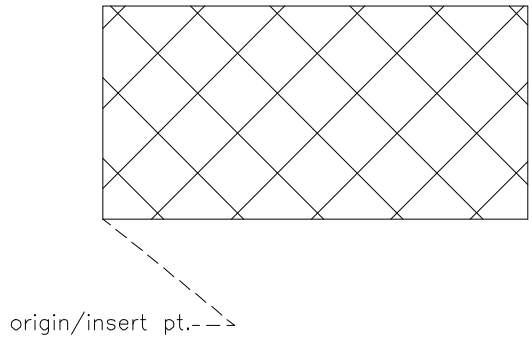
Architectural ABRVER
Element Type: Symbol
Description: Brick Pattern Vertical



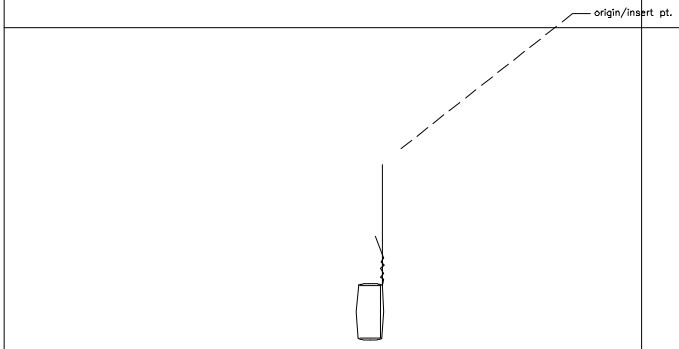
Architectural ACETLS
Element Type: Symbol
Description: Ceramic Tile Finish Large Scale



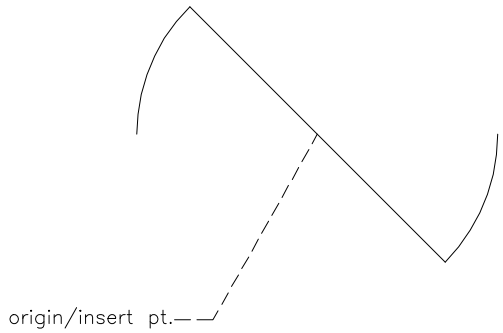
Architectural ACETSS
Element Type: Symbol
Description: Ceramic Tile Finish Small Scale



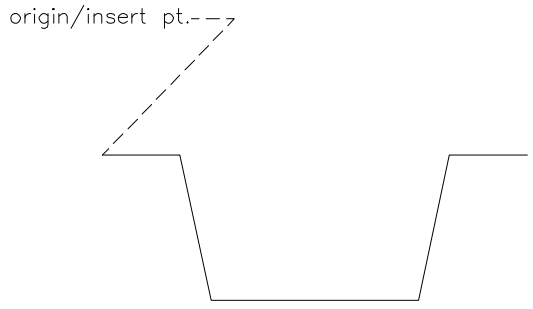
Architectural ACMU
Element Type: Pattern
Description: Masonry Unit



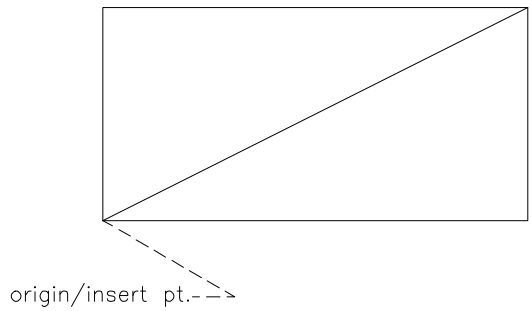
Architectural ACHFUR
Element Type: Symbol
Description: Furring Channel



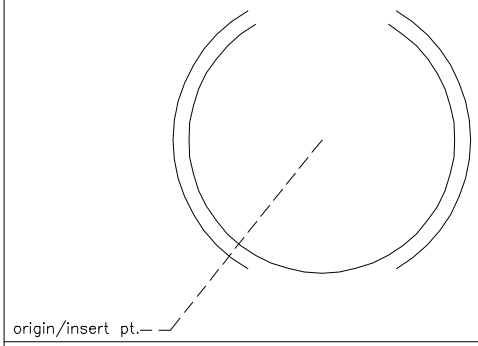
Architectural ACPVTR
Element Type: Symbol
Description: Door Center Pivot



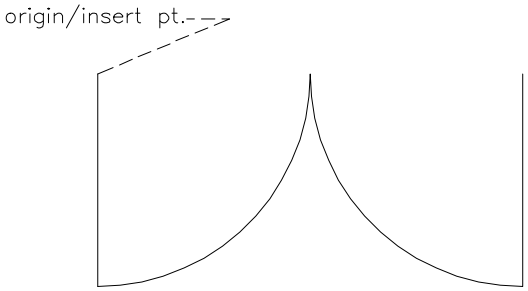
Architectural ACHHAT
Element Type: Symbol
Description: Furring Channel Hat



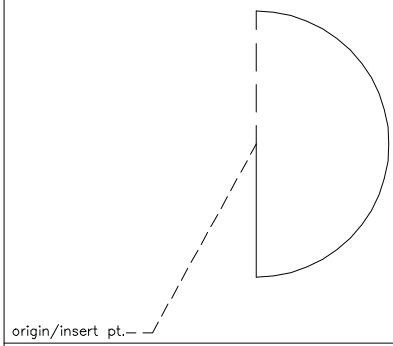
Architectural ACWFRA
Element Type: Symbol
Description: Continuous Wood Framing



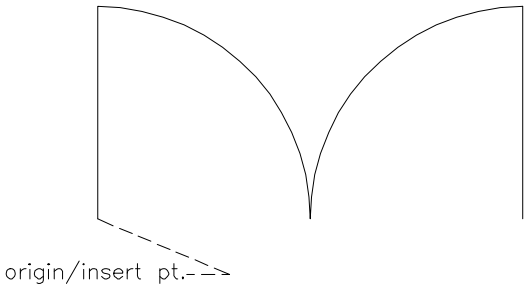
Architectural ACYLDL
Element Type: Symbol
Description: Cylindrical Door



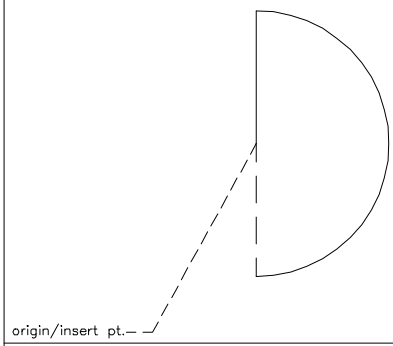
Architectural ADBLEL
Element Type: Symbol
Description: Left Double Door



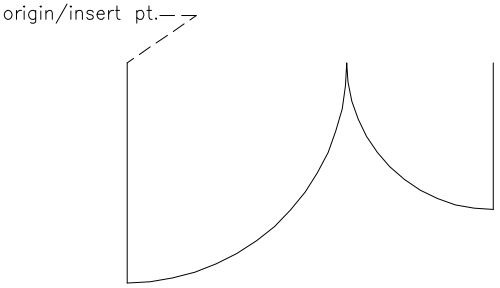
Architectural AD180L
Element Type: Symbol
Description: Left Door, 180 Degree Swing



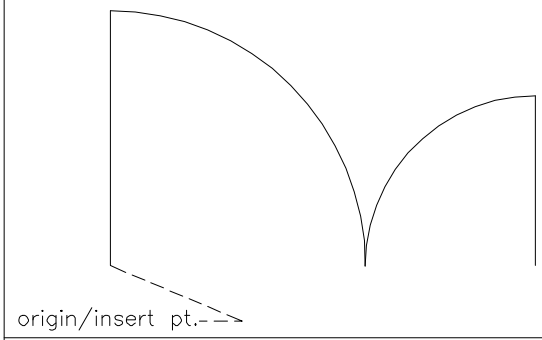
Architectural ADBLER
Element Type: Symbol
Description: Right Double Door



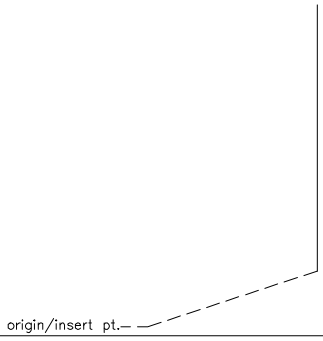
Architectural AD180R
Element Type: Symbol
Description: Right Door, 180 Degree Swing



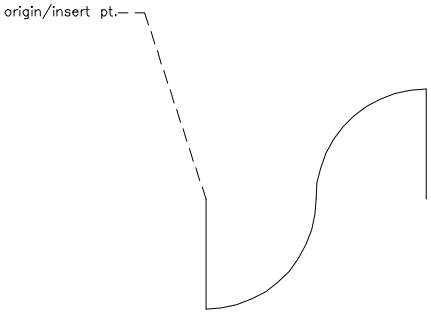
Architectural ADBUNL
Element Type: Symbol
Description: Left Uneven Double Door



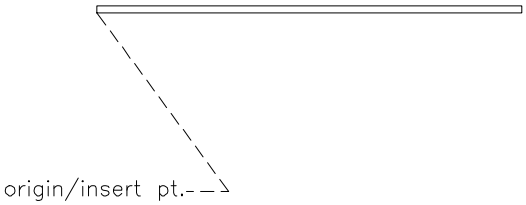
Architectural ADBUNR
Element Type: Symbol
Description: Right Uneven Double Door



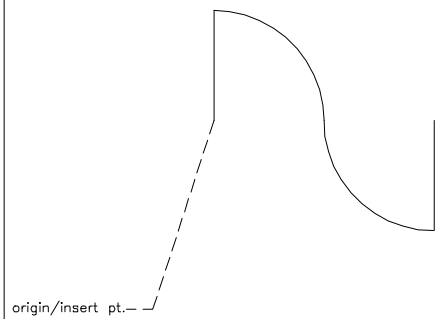
Architectural ADOORS
Element Type: Symbol
Description: Door Section



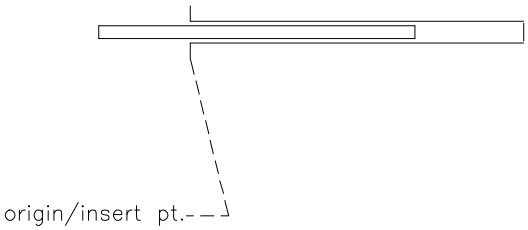
Architectural ADEGRL
Element Type: Symbol
Description: Left Double Egress Door



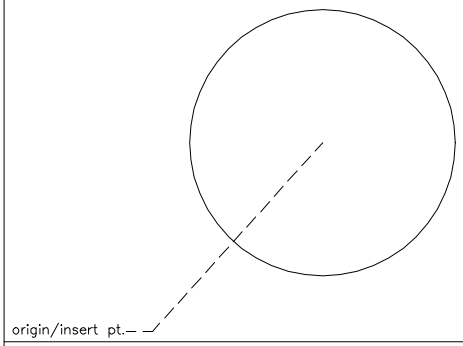
Architectural ADOVER
Element Type: Symbol
Description: Overhead Door



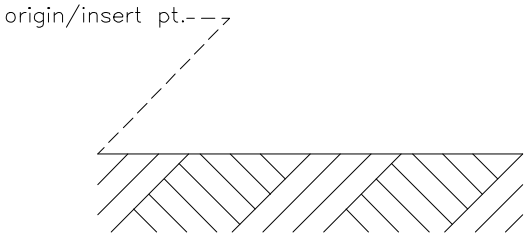
Architectural ADEGRR
Element Type: Symbol
Description: Right Double Egress Door



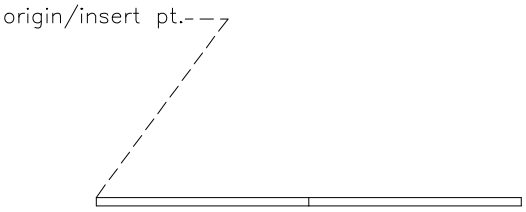
Architectural ADPOCK
Element Type: Symbol
Description: Door Pocket



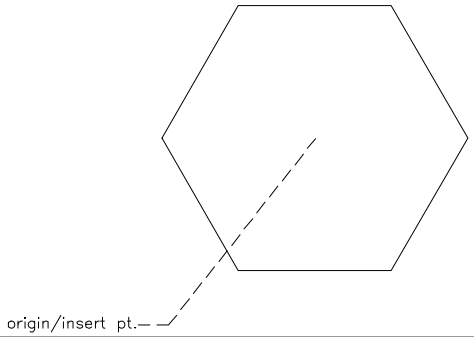
Architectural ADROPN
Element Type: Symbol
Description: Door Opening Identifier



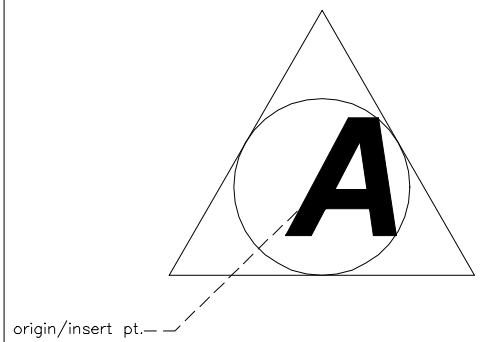
Architectural AEARUN
Element Type: Symbol
Description: Undisturbed Earth



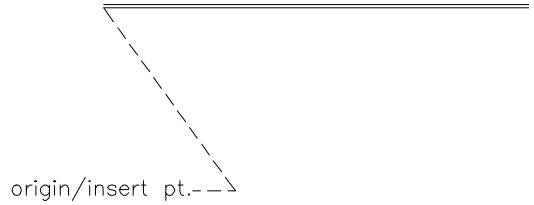
Architectural ADSSL
Element Type: Symbol
Description: Sliding Surface Door



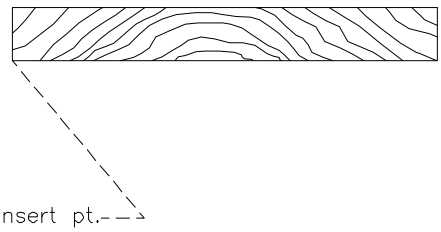
Architectural AEQNUM
Element Type: Symbol
Description: Equipment Identifier



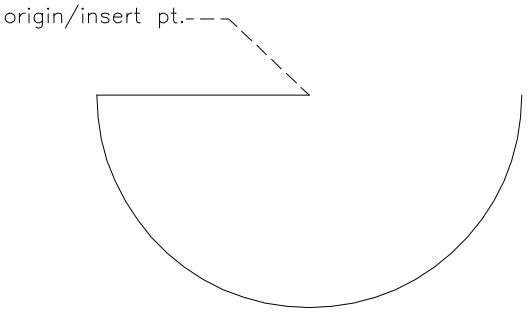
Architectural ADTYPE
Element Type: Symbol
Description: Door Frame Type



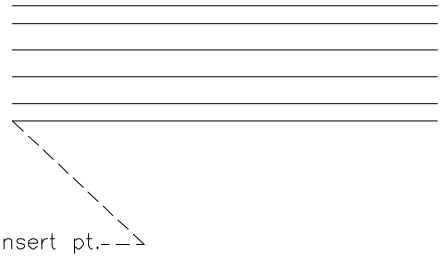
Architectural AFELT
Element Type: Symbol
Description: Waterproofing Felt Flashing



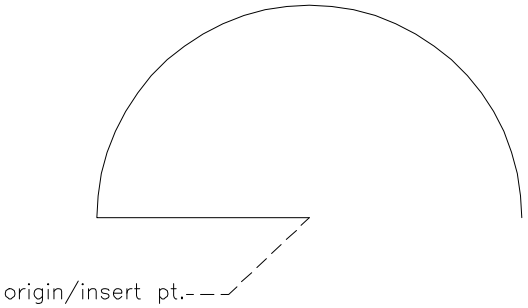
Architectural AFINSH
Element Type: Symbol
Description: Wood Finish



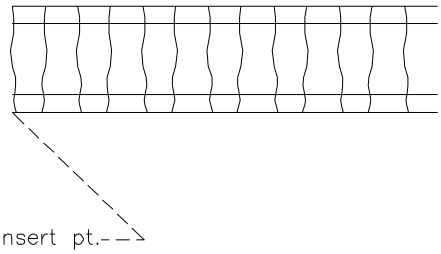
Architectural AFULLL
Element Type: Symbol
Description: Left Single Full Swing Door



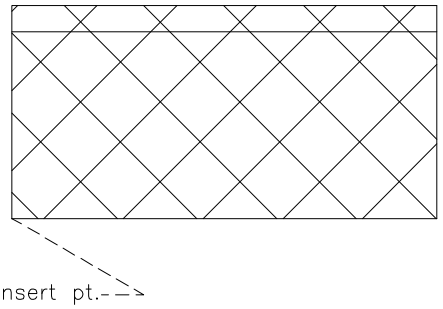
Architectural AFTELE
Element Type: Symbol
Description: Brick Elevation Pattern



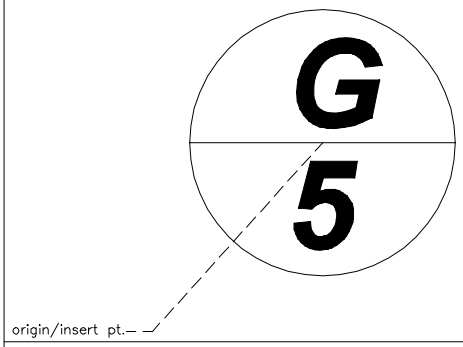
Architectural AFULLR
Element Type: Symbol
Description: Right Single Full Swing Door



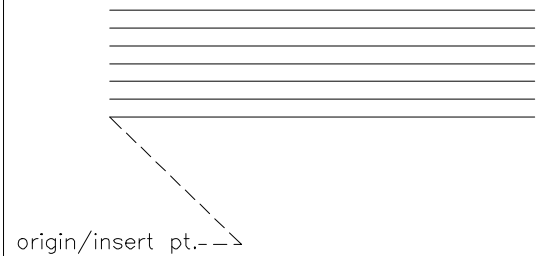
Architectural AFTSSC
Element Type: Symbol
Description: Small Scale Tile Facing



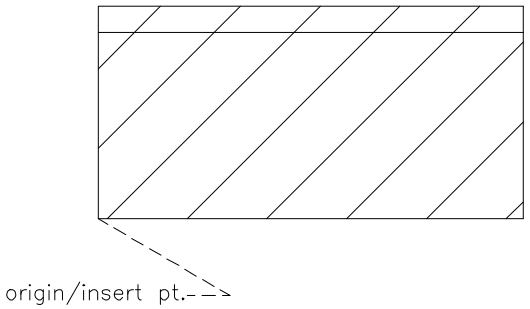
Architectural AGCMU
Element Type: Symbol
Description: Glazed Concrete Block



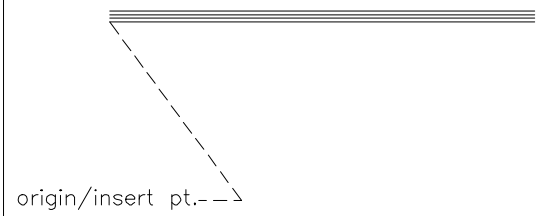
Architectural AGLASSTP
Element Type: Symbol
Description: Glass Type



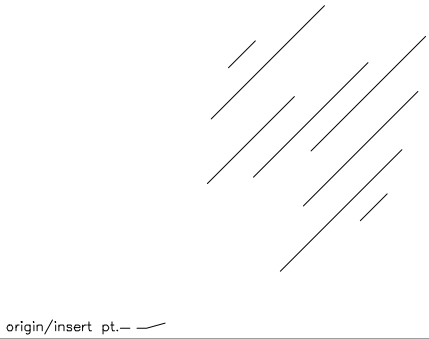
Architectural AGLLS
Element Type: Symbol
Description: Large Scale Glass



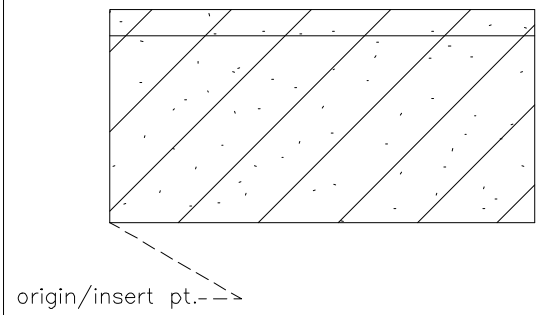
Architectural AGLBRM
Element Type: Symbol
Description: Glazed Brick



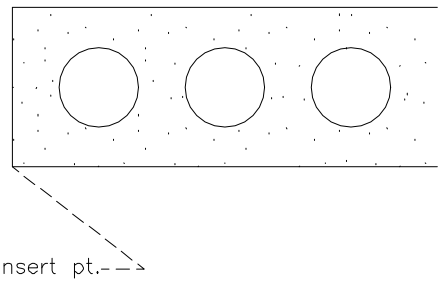
Architectural AGLSS
Element Type: Symbol
Description: Small Scale Glass



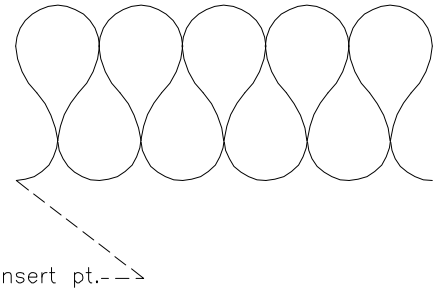
Architectural AGLELE
Element Type: Symbol
Description: Glass Elevation



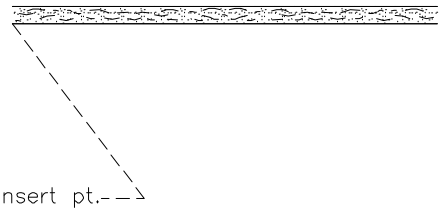
Architectural AGSCTM
Element Type: Symbol
Description: Glazed Structural Clay Tile Masonry



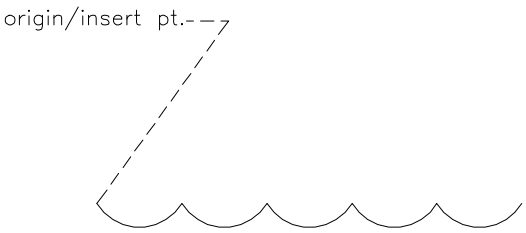
Architectural AGTILE
Element Type: Symbol
Description: Gypsum Tile



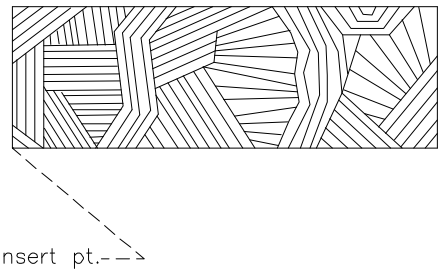
Architectural AINBAT
Element Type: Symbol
Description: Loose Fill Batt. Insulation



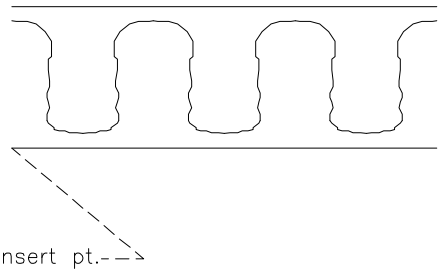
Architectural AGYPWB
Element Type: Symbol
Description: Gypsum Wallboard Finishes



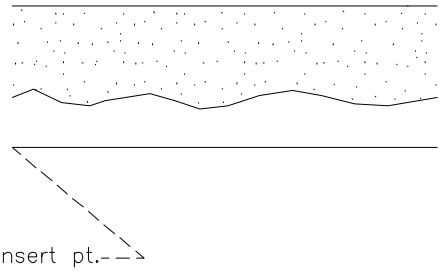
Architectural AINBSC
Element Type: Symbol
Description: Small Scale Flexible Blanket Insulation



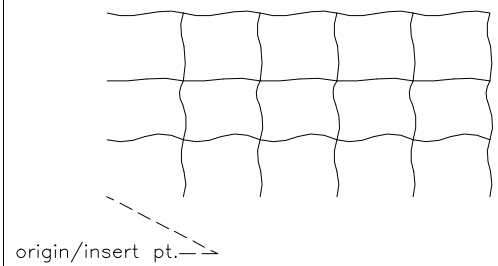
Architectural AHARDB
Element Type: Symbol
Description: Hardboard Wood



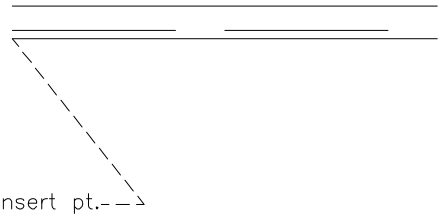
Architectural AINFLS
Element Type: Symbol
Description: Large Scale Loose Fill Insulation



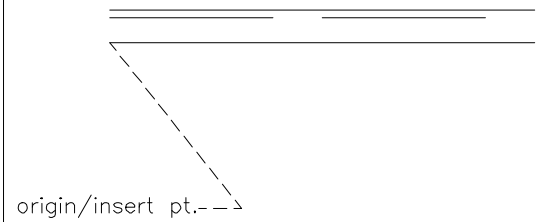
Architectural AINFOM
Element Type: Symbol
Description: Spray Foam Insulation



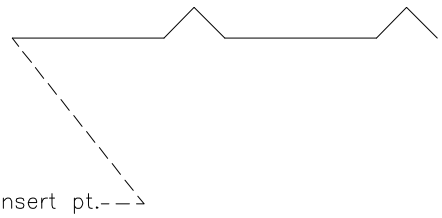
Architectural AINQLS
Element Type: Symbol
Description: Large Scale Insulation Quilts Pattern



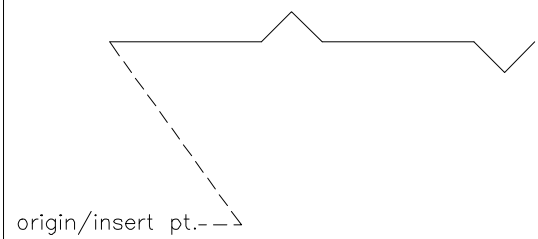
Architectural AINILS
Element Type: Symbol
Description: Large Rigid Board on Interior Insulation



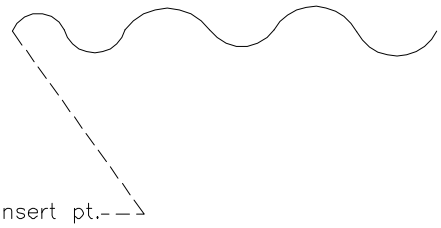
Architectural AINRLS
Element Type: Symbol
Description: Insulation (Lg. Scale) Rigid Board as Sheath



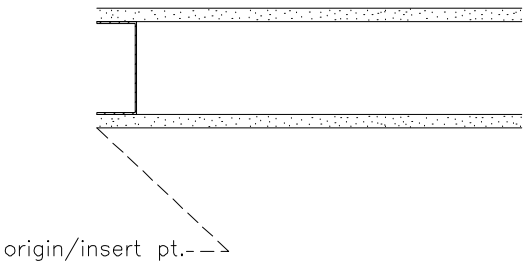
Architectural AINMSC
Element Type: Symbol
Description: Insulation 1 Side



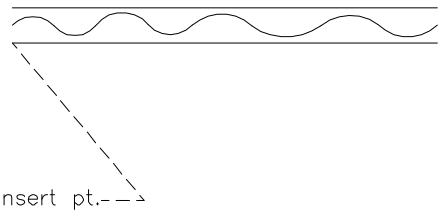
Architectural AINRSC
Element Type: Symbol
Description: Insulation (Sm. Scale) Reflective Curtain



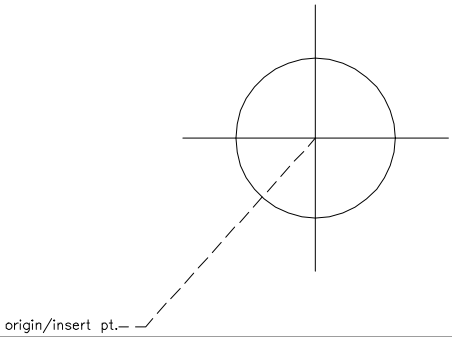
Architectural AINULS
Element Type: Symbol
Description: Insulation (Lg. Scale) Type Not Determined



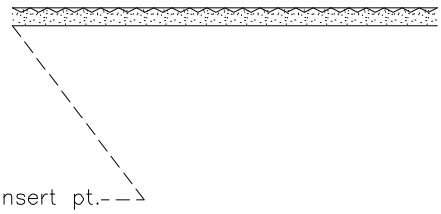
Architectural AMSPLP
Element Type: Symbol
Description: Metal Support Plaster Finish



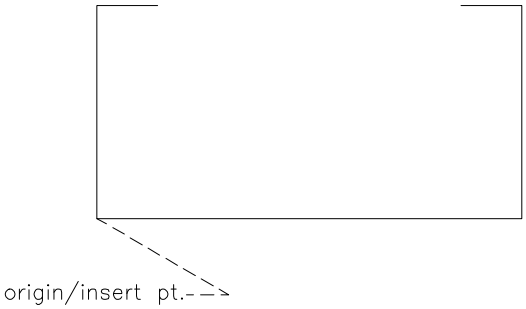
Architectural AINUSC
Element Type: Symbol
Description: Insulation (Sm. Scale) To Show Transmit



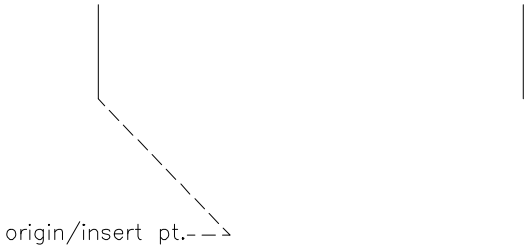
Architectural AMTFST
Element Type: Symbol
Description: Metal Fastener



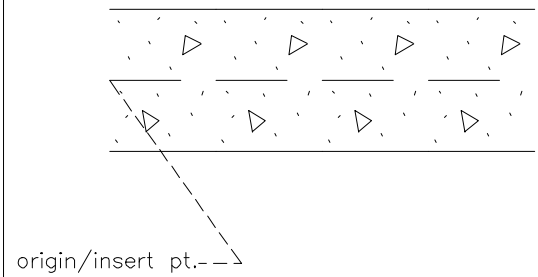
Architectural AMLPBD
Element Type: Symbol
Description: Metal Lath Plaster Finish



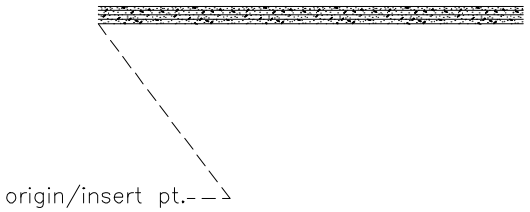
Architectural AMTSTD
Element Type: Symbol
Description: Metal Standard



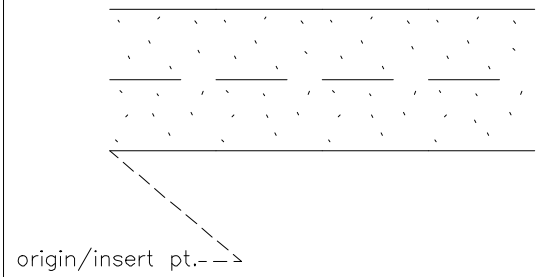
Architectural AOPENR
Element Type: Symbol
Description: Opener



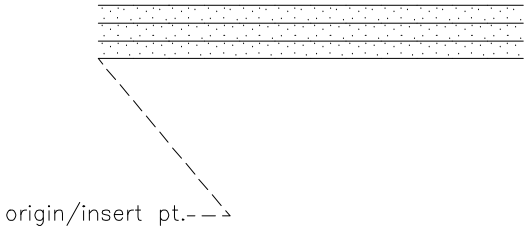
Architectural APLANK
Element Type: Symbol
Description: Concrete Plank



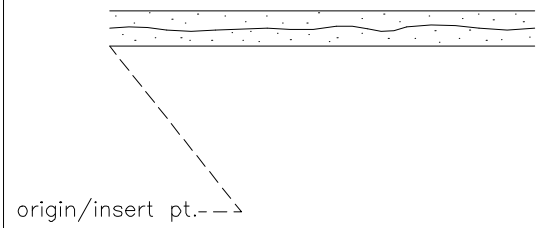
Architectural AOSB
Element Type: Symbol
Description: Oriented Strand Board



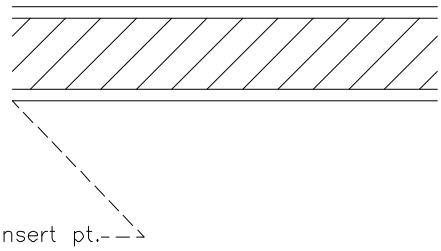
Architectural APLELE
Element Type: Symbol
Description: Gypsum Plank



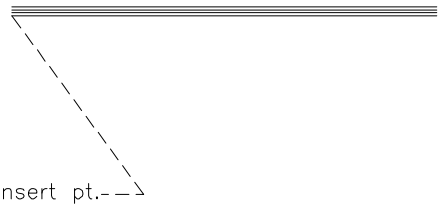
Architectural APBPP
Element Type: Symbol
Description: Gypsum Plaster Particle Board



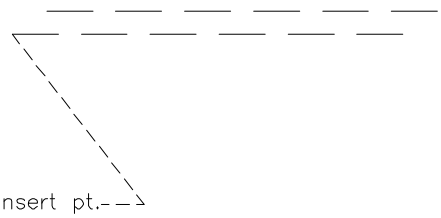
Architectural APLPAR
Element Type: Symbol
Description: Gypsum Solid Plaster Partition



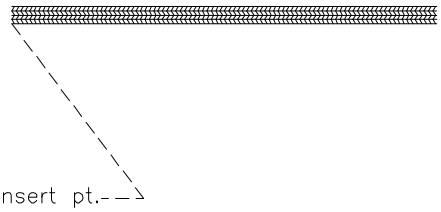
Architectural APLRGH
Element Type: Symbol
Description: Gypsum Plaster on Masonry



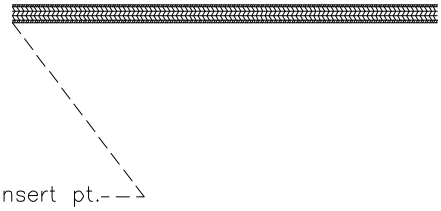
Architectural APLYSS
Element Type: Symbol
Description: Small Scale Plywood



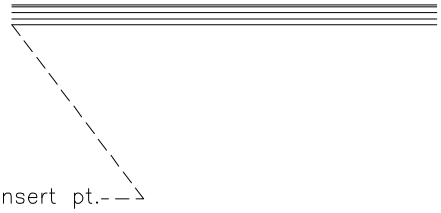
Architectural APLSTC
Element Type: Symbol
Description: Plastic Finishes Pattern



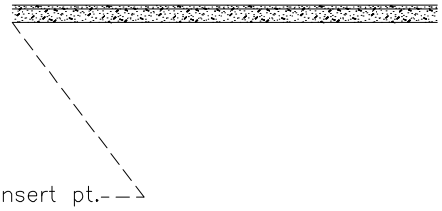
Architectural APPLLS
Element Type: Pattern
Description: Large Scale Plastic on Plywood



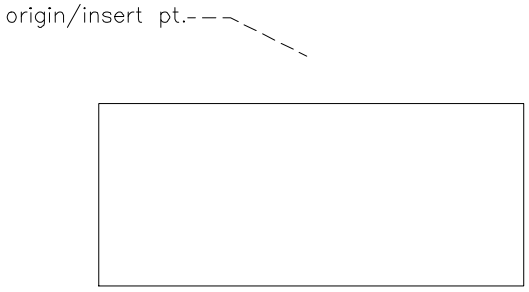
Architectural APLYLS
Element Type: Symbol
Description: Large Scale Plywood



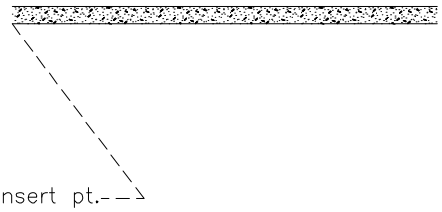
Architectural APPLSS
Element Type: Pattern
Description: Small Scale Plastic on Plywood



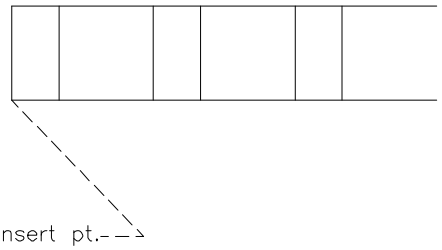
Architectural APTLAW
Element Type: Symbol
Description: Architectural Particleboard Woodwork



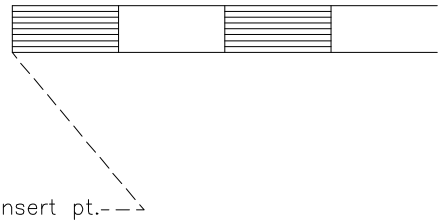
Architectural ARMNUM
Element Type: Symbol
Description: Room Identifier



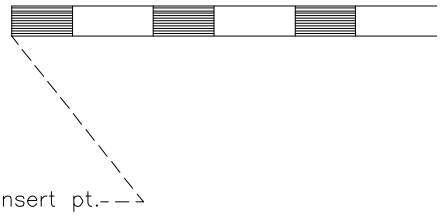
Architectural APTLBD
Element Type: Symbol
Description: Particleboard



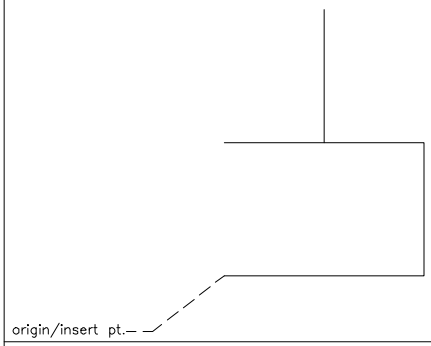
Architectural ASBLS
Element Type: Symbol
Description: Large Scale Asbestos Board



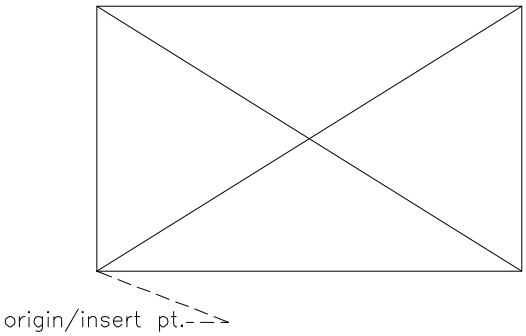
Architectural ARFLPL
Element Type: Symbol
Description: Flooring, Resilient Plastic Laminate



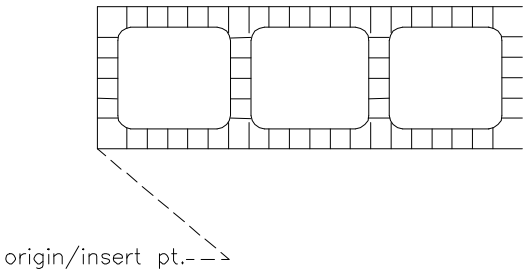
Architectural ASBSS
Element Type: Symbol
Description: Small Scale Asbestos Board



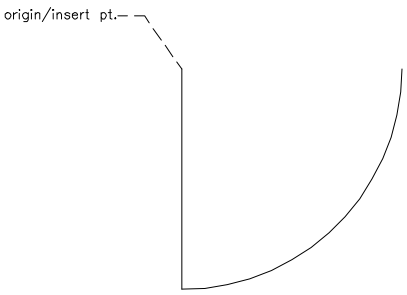
Architectural ASCELE
Element Type: Symbol
Description: Tile Structural Ceiling Units



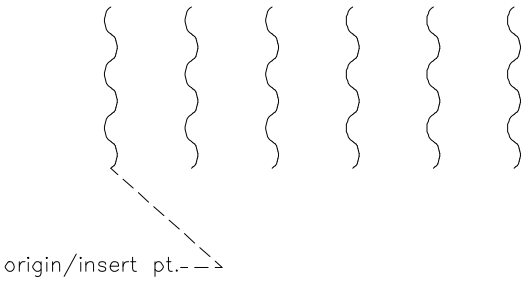
Architectural ASHFTOPN
Element Type: Symbol
Description: Shaft Opening, or Open to Above or Open



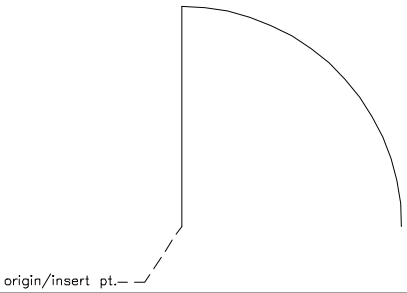
Architectural ASCFLU
Element Type: Symbol
Description: Tile Structural Floor Units



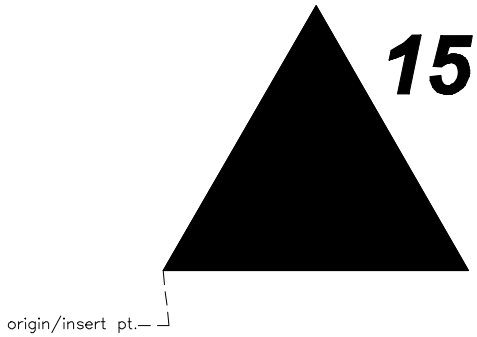
Architectural ASHNGL
Element Type: Symbol
Description: Left Single Hinged Door



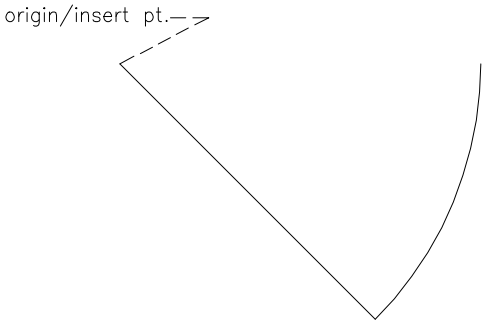
Architectural ASCTSS
Element Type: Symbol
Description: Small Scale Structural Tile Clay



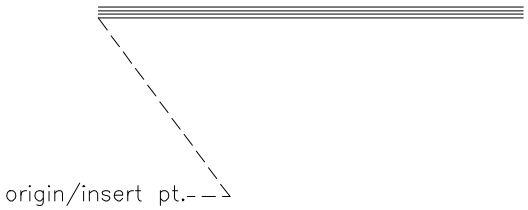
Architectural ASHNGR
Element Type: Symbol
Description: Right Single Hinged Door



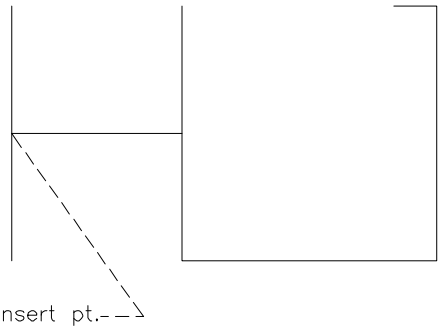
Architectural ASIGNID
Element Type: Symbol
Description: Signage Number



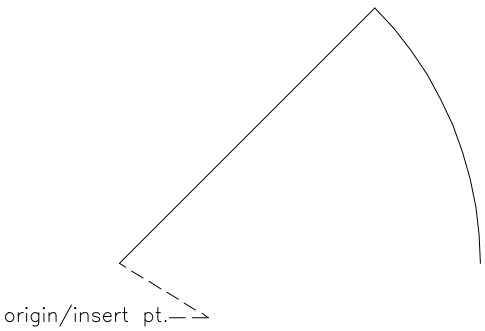
Architectural ASPVTR
Element Type: Symbol
Description: Right Single Pivot Door



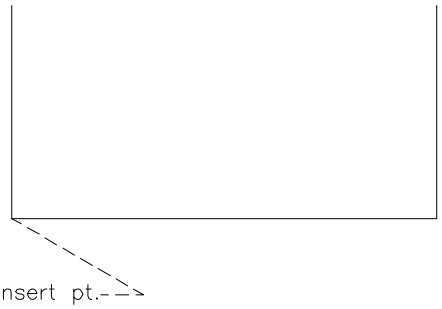
Architectural ASMTLS
Element Type: Symbol
Description: Metal Sheet and all Metals (Small Scale)



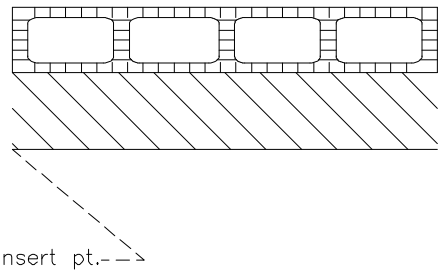
Architectural ASTCHN
Element Type: Symbol
Description: Structural Pattern



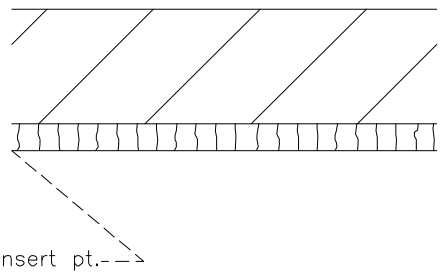
Architectural ASPVTL
Element Type: Symbol
Description: Left Single Pivot Door



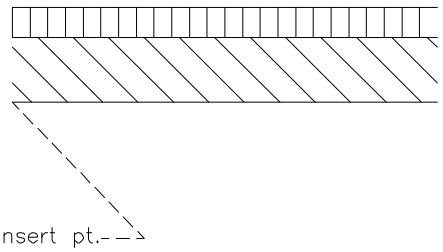
Architectural ASTRUN
Element Type: Symbol
Description: Structural Runner



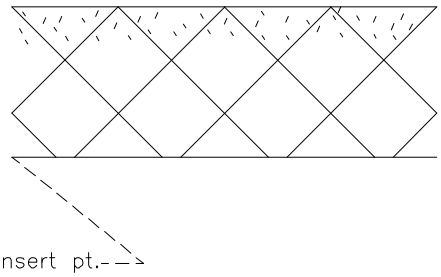
Architectural ATAHOL
Element Type: Symbol
Description: Hollow Terra Cotta



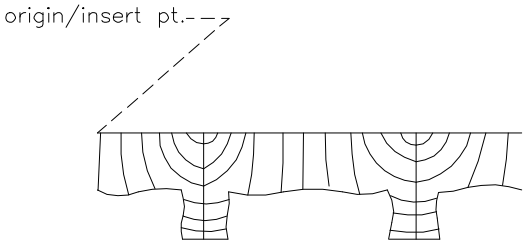
Architectural ATCCSS
Element Type: Symbol
Description: Terra Cotta (Small Scale) Cotta or Brick



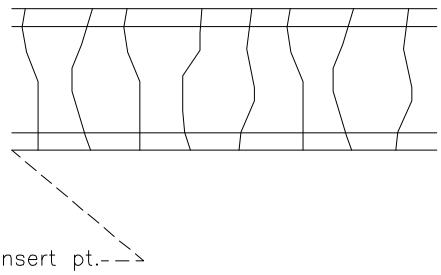
Architectural ATAVEN
Element Type: Symbol
Description: Veneer Terra Cotta



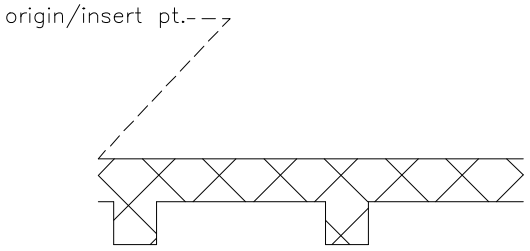
Architectural ATCGLS
Element Type: Symbol
Description: Terra Cotta (Large Scale) Glazed 1 Face



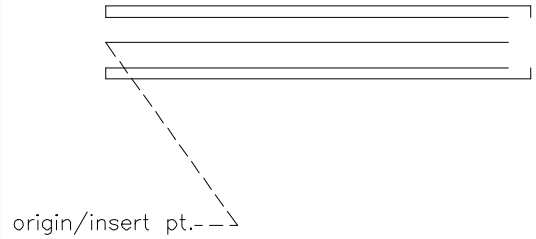
Architectural ATCALS
Element Type: Symbol
Description: Large Scale Terra Cotta



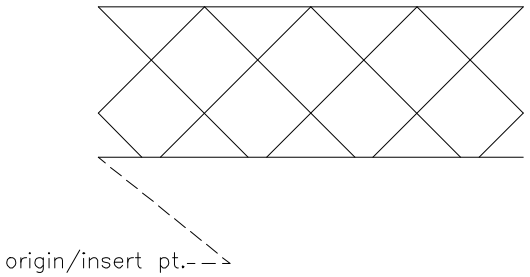
Architectural ATCGSS
Element Type: Symbol
Description: Terra Cotta (Small Scale) Glazed 2 Faces



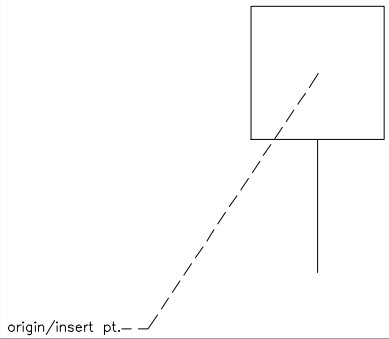
Architectural ATCQLS
Element Type: Symbol
Description: Terra Cotta (Large Scale) Quarry



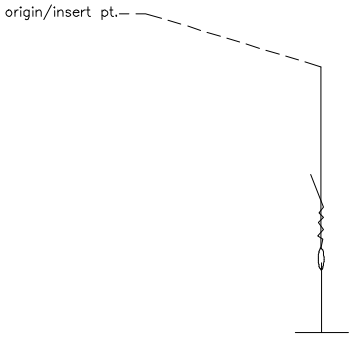
Architectural ATHRSH
Element Type: Symbol
Description: Threshold



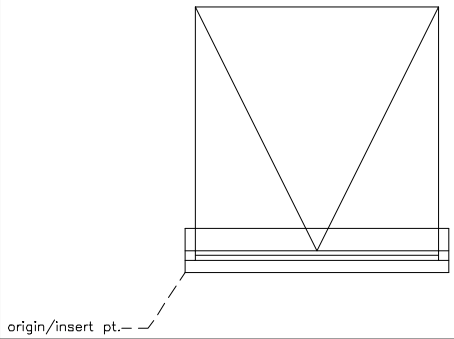
Architectural ATCULS
Element Type: Symbol
Description: Terra Cotta (Large Scale) Unglazed



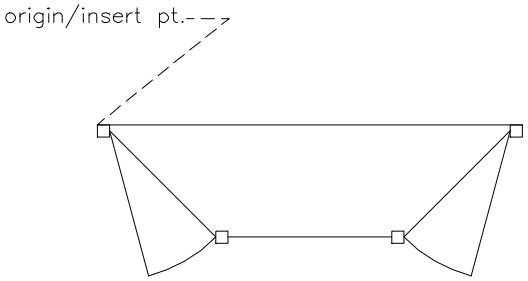
Architectural AWALLT
Element Type: Symbol
Description: Wall Type Identifier



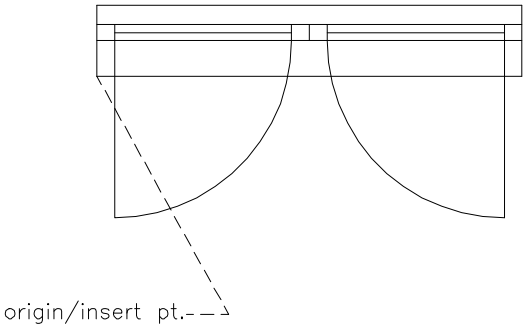
Architectural ATEE
Element Type: Symbol
Description: Suspension Tee



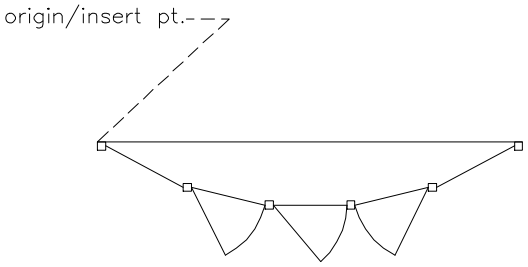
Architectural AWAWN
Element Type: Symbol
Description: Window Awning



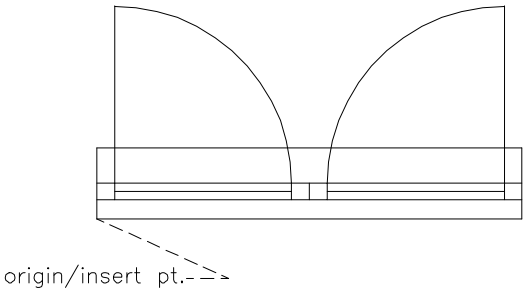
Architectural AWBAY
Element Type: Symbol
Description: Projected Bay Window



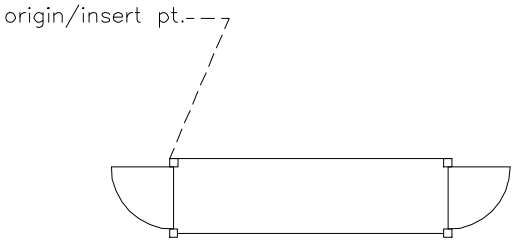
Architectural AWDCSI
Element Type: Symbol
Description: Window Double Casement Inward Open



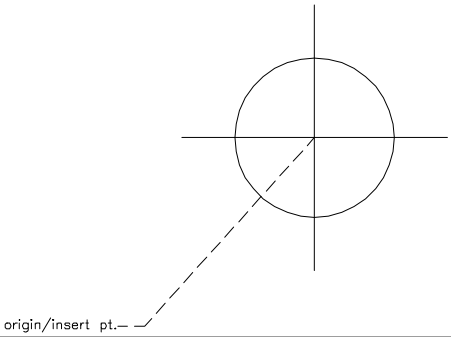
Architectural AWBOW
Element Type: Symbol
Description: Projected Bow Window



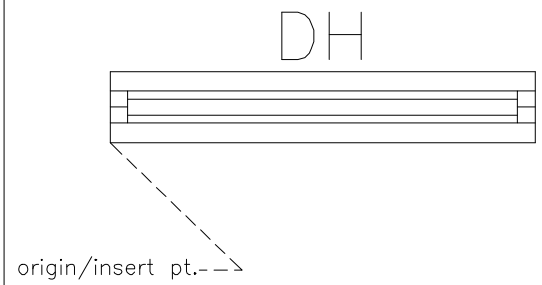
Architectural AWDCSO
Element Type: Symbol
Description: Window Double Casement Outward Open



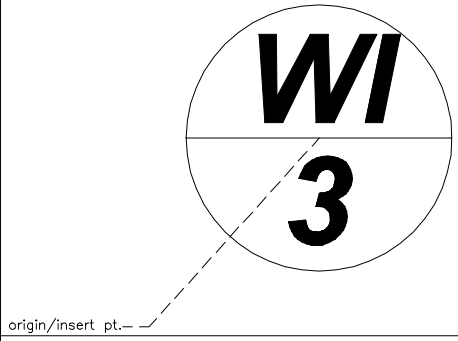
Architectural AWBOX
Element Type: Symbol
Description: Projected Box Window



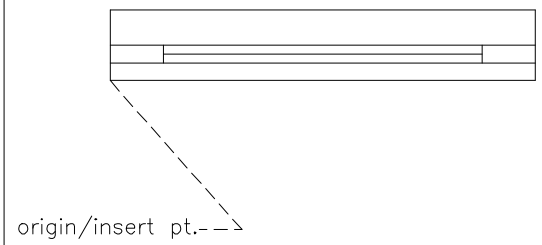
Architectural AWDFST
Element Type: Symbol
Description: Wood Fastener



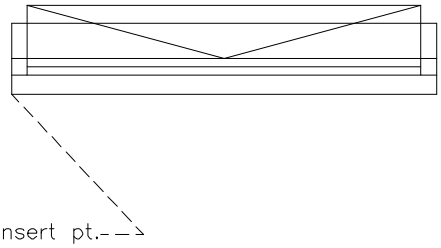
Architectural AWDHNG
Element Type: Symbol
Description: Double Hung Window



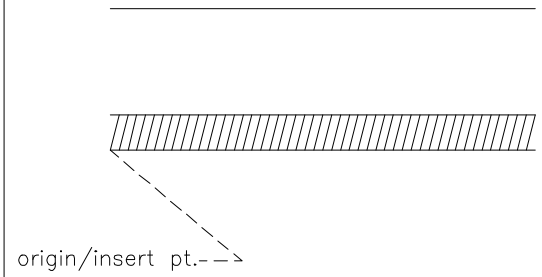
Architectural AWITYPE
Element Type: Symbol
Description: Interior Window Type



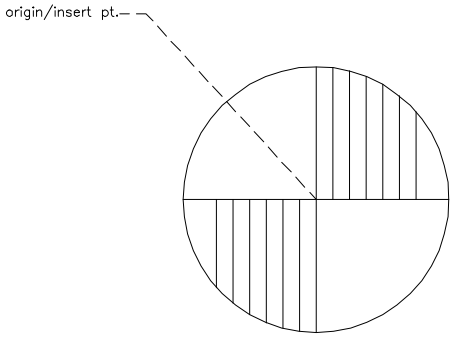
Architectural AWFIX
Element Type: Symbol
Description: Fixed 1 Foot Window



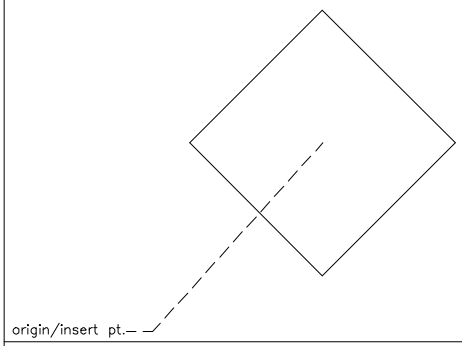
Architectural AWJAL
Element Type: Symbol
Description: Jalousie Window



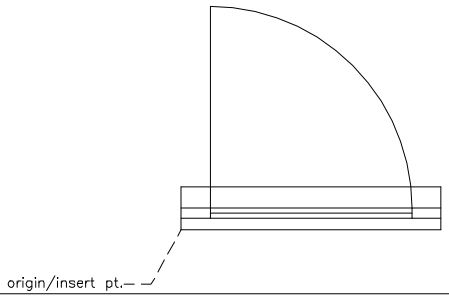
Architectural AWFSTD
Element Type: Symbol
Description: Wood Finish on Studs



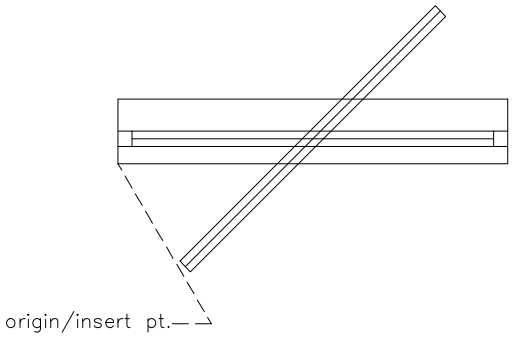
Architectural AWKPNT
Element Type: Symbol
Description: Work Point



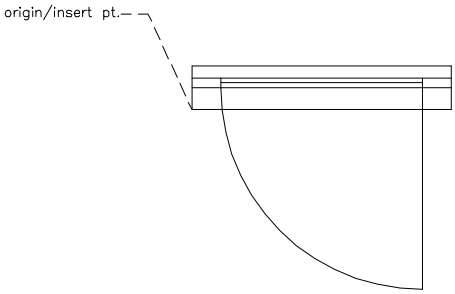
Architectural AWNUM
Element Type: Symbol
Description: Window Identifier



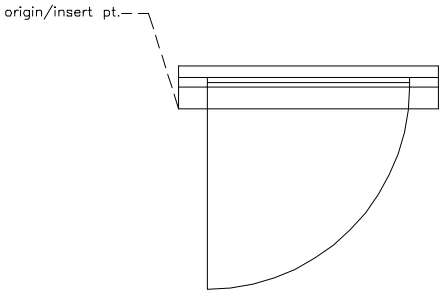
Architectural AWSCLO
Element Type: Symbol
Description: Window Single Casement L. Jamb Hinge



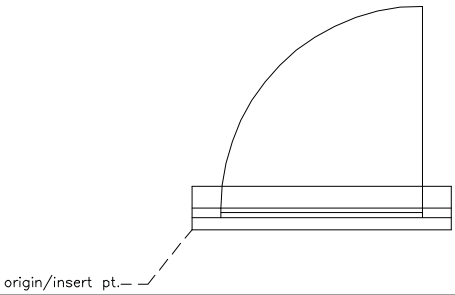
Architectural AWPIV
Element Type: Symbol
Description: Pivot Window



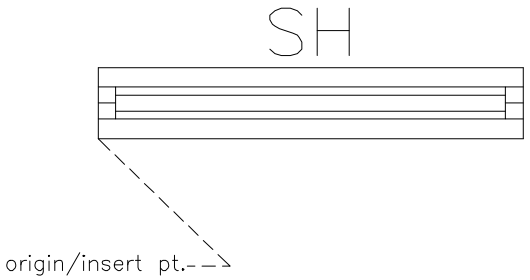
Architectural AWSCRI
Element Type: Symbol
Description: Window Single Casement Right Jamb Hinge



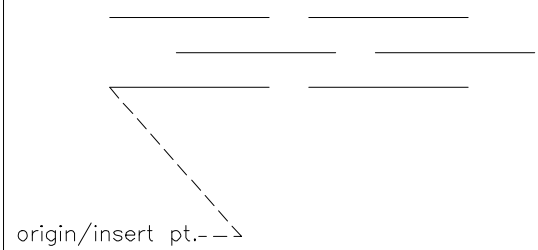
Architectural AWSCLI
Element Type: Symbol
Description: Window Single Casement Left Jamb Hinge



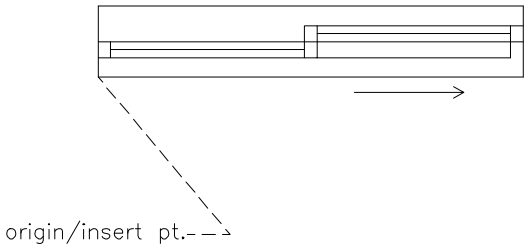
Architectural AWSCRO
Element Type: Symbol
Description: Window Single Casement R. Jamb Hinge



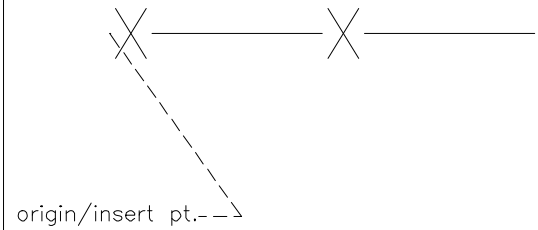
Architectural AWSHNG
Element Type: Symbol
Description: Single Hung Window



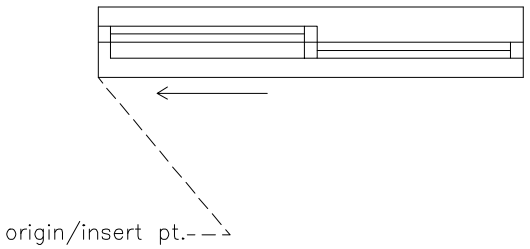
Architectural AWSSEL
Element Type: Symbol
Description: Wood Shingles Siding Pattern



Architectural AWSLLO
Element Type: Symbol
Description: Sliding Window Left Operating Sash



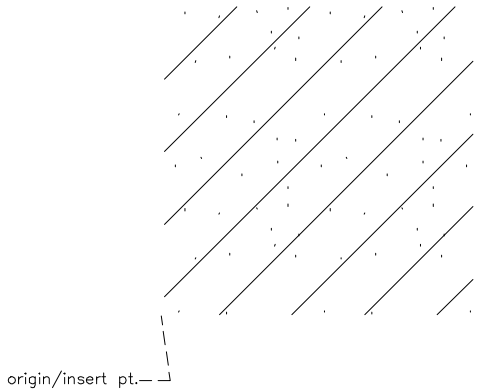
Architectural AWWFBR
Element Type: Symbol
Description: Welded Wire Fabric



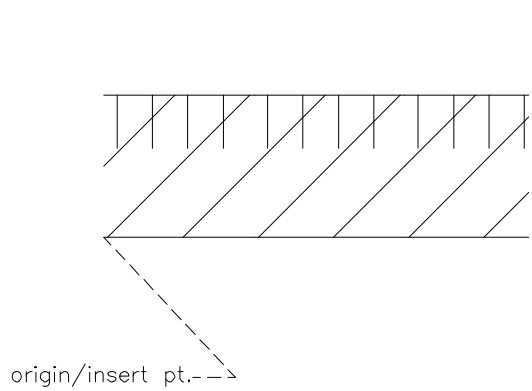
Architectural AWSLRO
Element Type: Symbol
Description: Sliding Window Right Operating Sash

Architectural
Element Type:
Description:

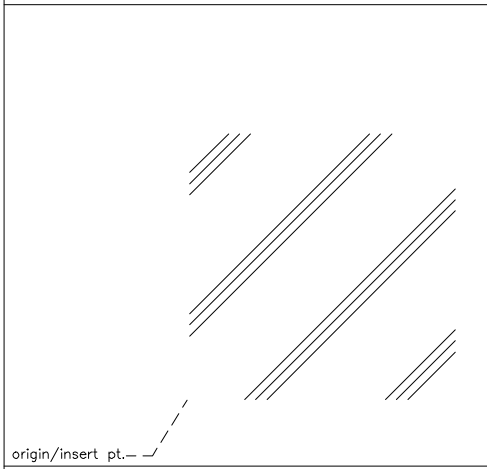
10 Architectural Patterns Library



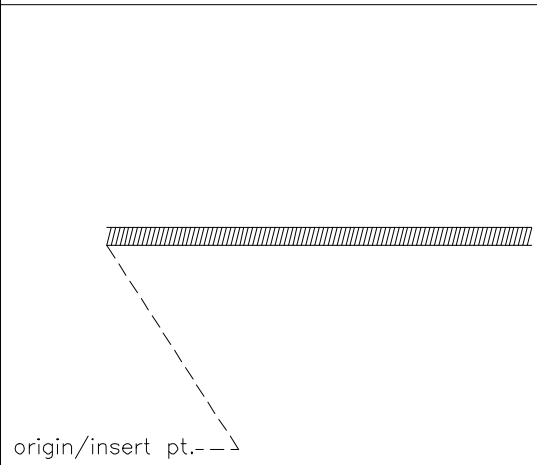
Architectural AADOBE
Element Type: Pattern
Description: Masonry/Adobe Rammed Earth Pattern



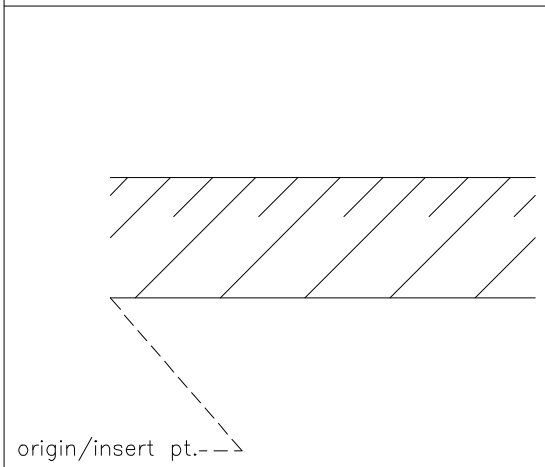
Architectural ABFIRE
Element Type: Pattern
Description: Firebrick on Common



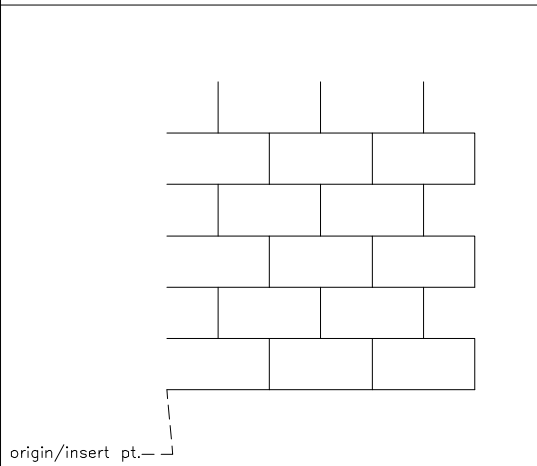
Architectural AALUMN
Element Type: Pattern
Description: Aluminum Pattern



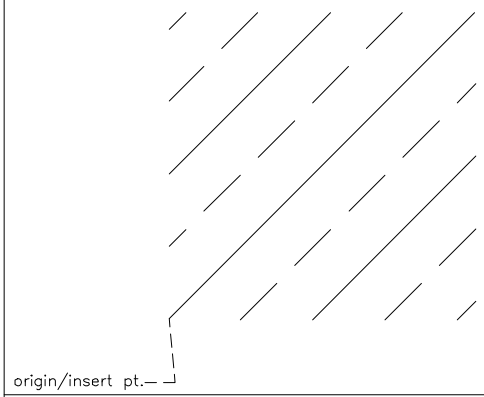
Architectural ABFLR
Element Type: Pattern
Description: Wood Floor Board



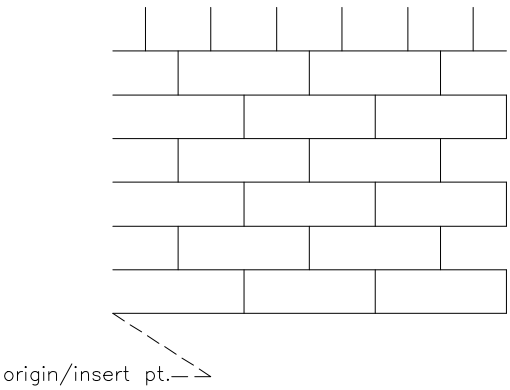
Architectural ABFCOM
Element Type: Pattern
Description: Brick Face on Common



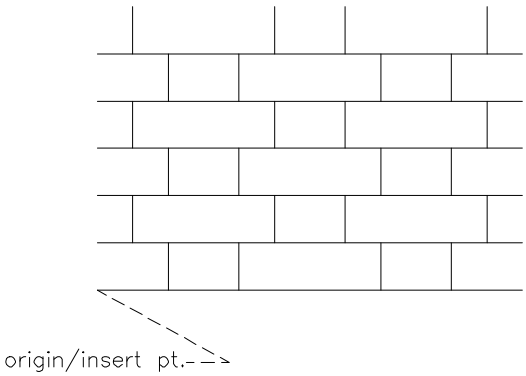
Architectural ABLSEL
Element Type: Pattern
Description: Elevation Block Pattern



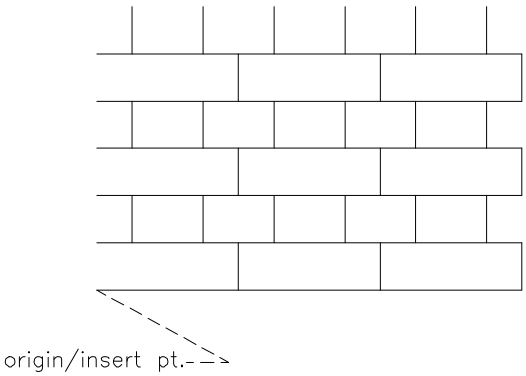
Architectural ABRASS
Element Type: Pattern
Description: Bronze Brass Pattern



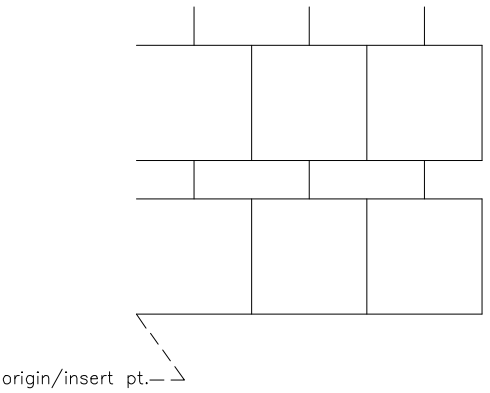
Architectural ABRCOM
Element Type: Pattern
Description: Brick Common Bond Pattern



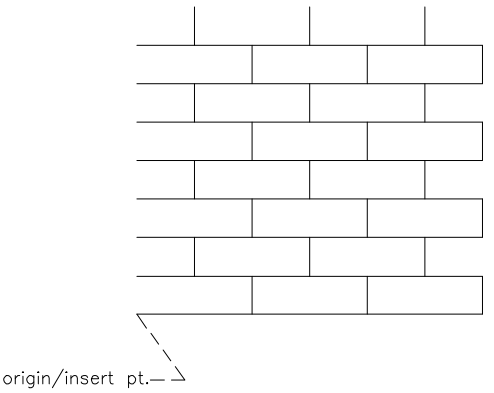
Architectural ABRBFL
Element Type: Pattern
Description: Brick Flemish Bond Pattern



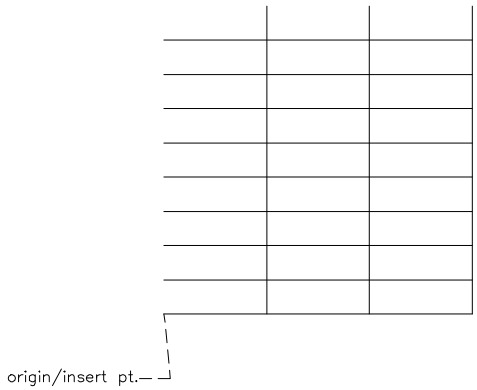
Architectural ABRENG
Element Type: Pattern
Description: Brick English Bond Pattern



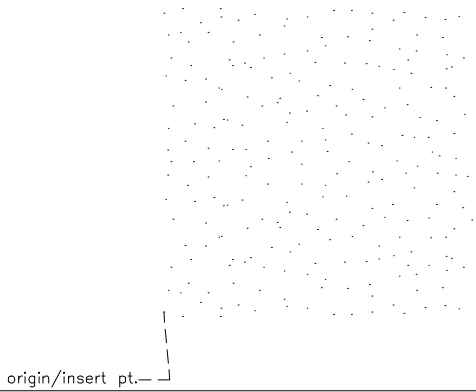
Architectural ABRBL
Element Type: Pattern
Description: Block Coursed Brick Pattern



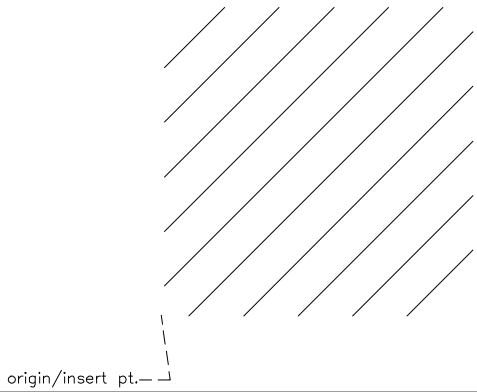
Architectural ABRRUN
Element Type: Pattern
Description: Brick Running Bond Pattern



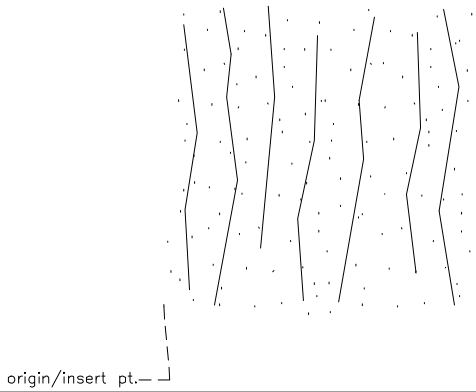
Architectural ABRSTK
Element Type: Pattern
Description: Brick Stack Bond Pattern



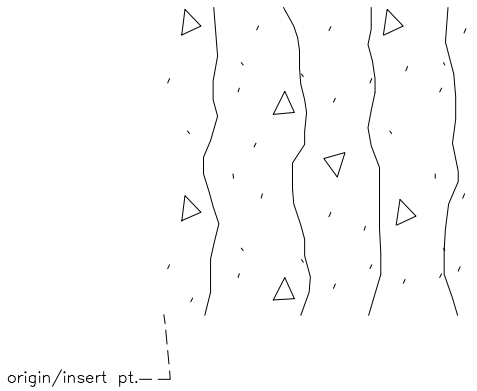
Architectural ACCELE
Element Type: Pattern
Description: Concrete Cement Elevation Pattern



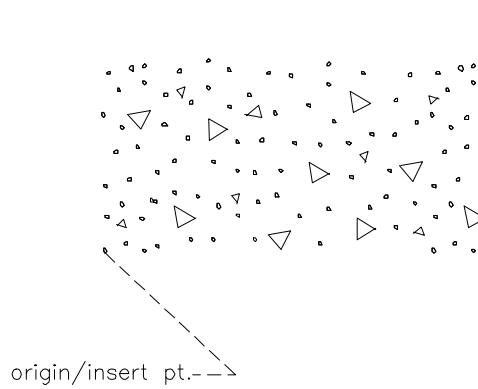
Architectural ACASTI
Element Type: Pattern
Description: Cast Iron Pattern



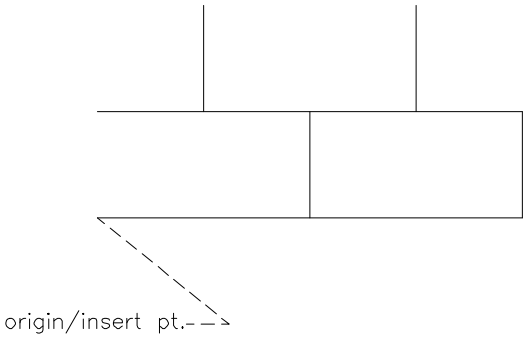
Architectural ACDTOP
Element Type: Pattern
Description: Cementitious Deck Topping Pattern



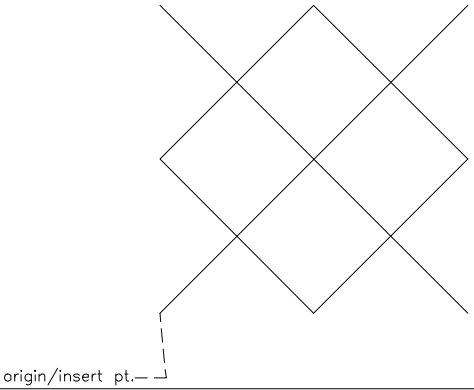
Architectural ACBSS
Element Type: Pattern
Description: Block Concrete Cast Small Scale Pattern



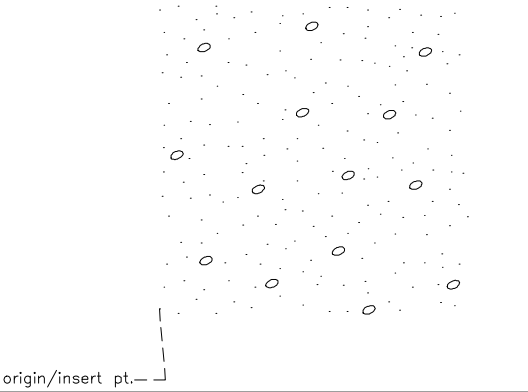
Architectural ACLTWT
Element Type: Pattern
Description: Light Weight Concrete Pattern



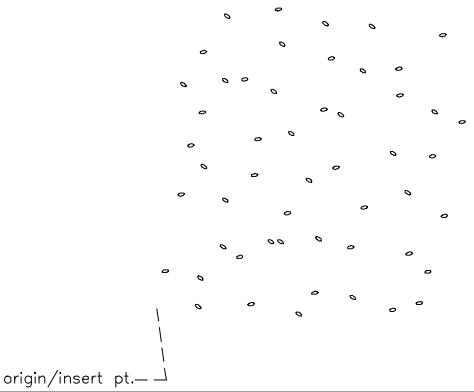
Architectural ACMUST
Element Type: Pattern
Description: Masonry Unit



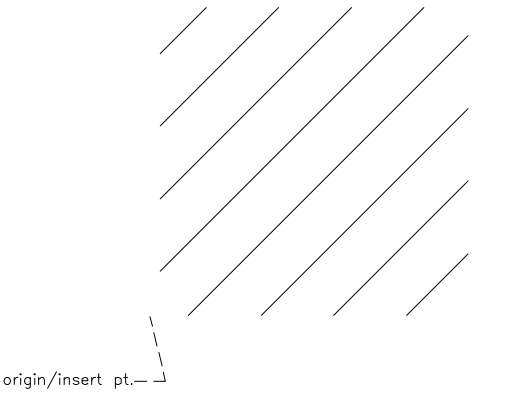
Architectural ACONBL
Element Type: Pattern
Description: Concrete Block Pattern



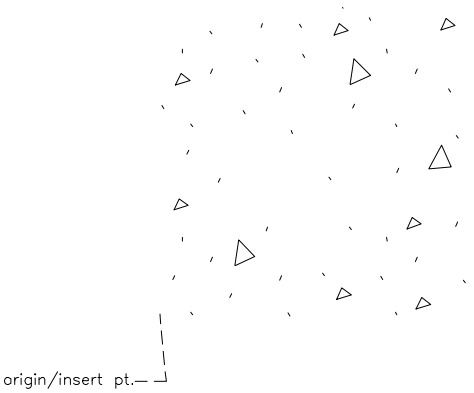
Architectural ACNDER
Element Type: Pattern
Description: Cinder Concrete Pattern



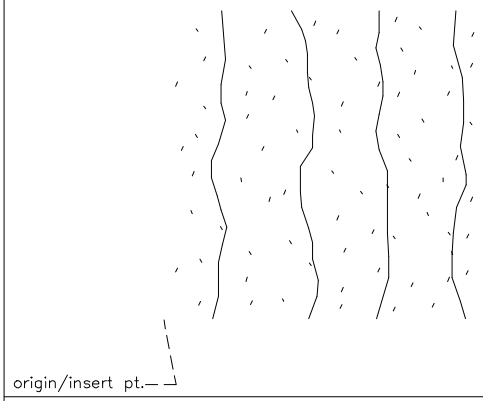
Architectural ACSSTN
Element Type: Pattern
Description: Cast Stone Pattern



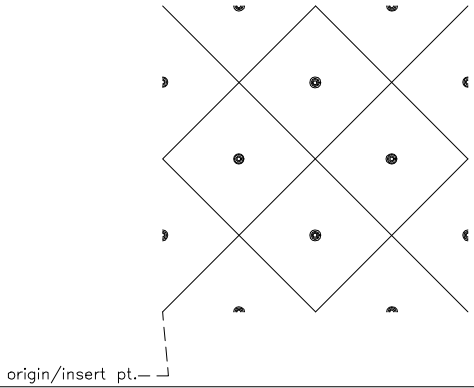
Architectural ACOMFC
Element Type: Pattern
Description: Common Face Brick Pattern



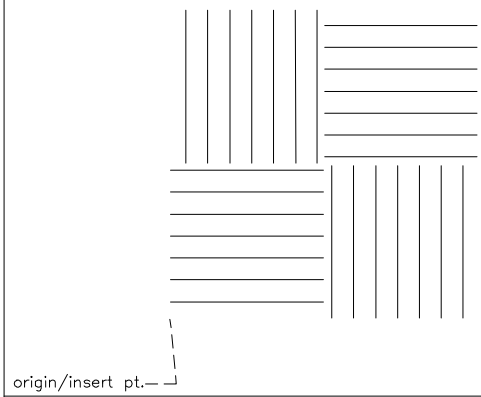
Architectural ACSTON
Element Type: Pattern
Description: Stone Concrete Pattern



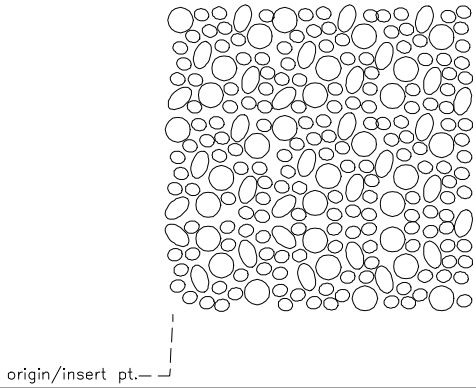
Architectural ACTSTN
Element Type: Pattern
Description: Cut Stone Pattern



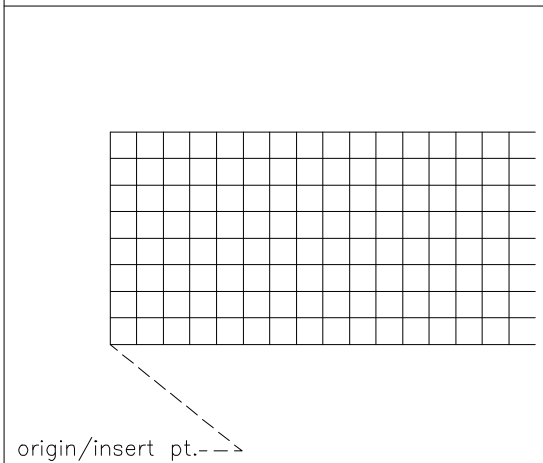
Architectural AFTLSC
Element Type: Pattern
Description: Large Scale Tile Facing Pattern



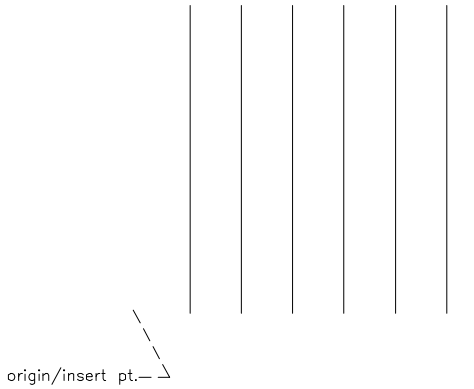
Architectural AEARTH
Element Type: Pattern
Description: Compacted Fill Earthwork Pattern



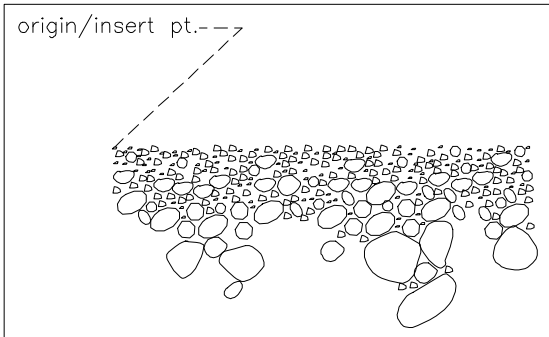
Architectural AGCROK
Element Type: Pattern
Description: Crushed Rock Earth Gravel Pattern



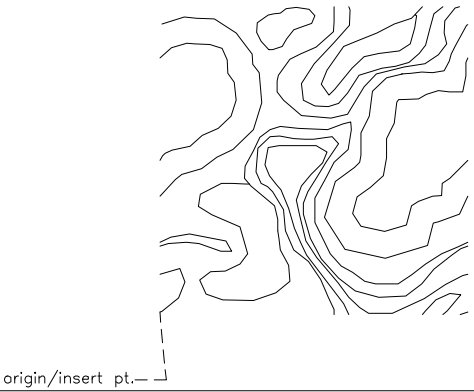
Architectural AFFSAF
Element Type: Pattern
Description: Fibrous Fire Safing Pattern



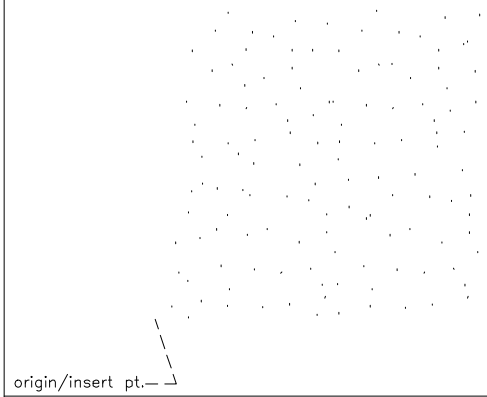
Architectural AGLASS
Element Type: Pattern
Description: Structural Glass Pattern



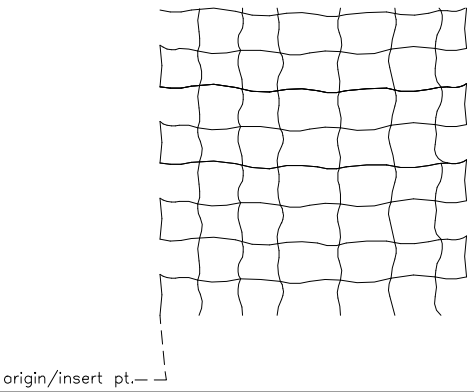
Architectural AGRAVL
Element Type: Pattern
Description: Porous Fill Gravel Earthwork Pattern



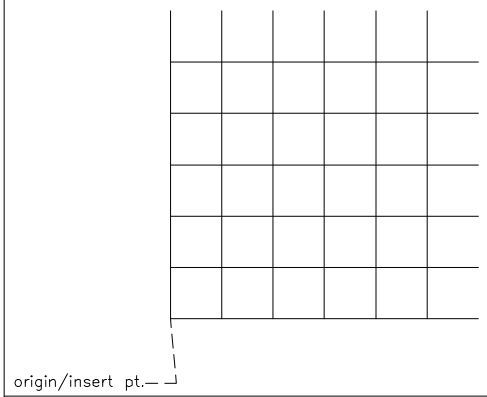
Architectural AMARBL
Element Type: Pattern
Description: Marble Stone Pattern



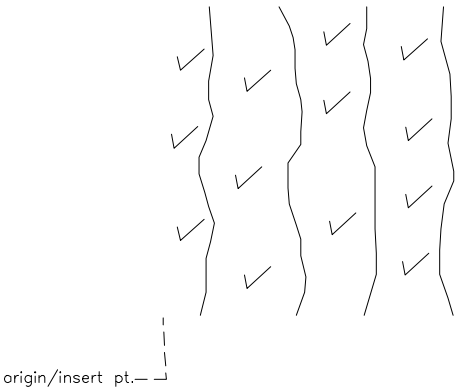
Architectural AGROUT
Element Type: Pattern
Description: Grout Pattern



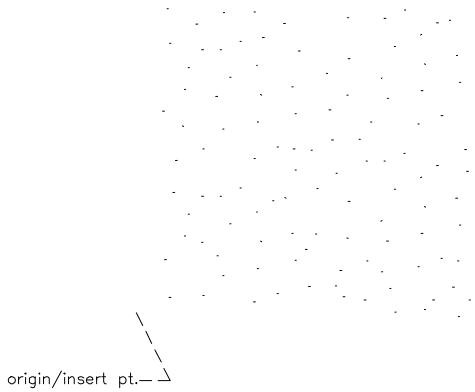
Architectural AMCORK
Element Type: Pattern
Description: Solid Cork Magnesia Insulation Pattern



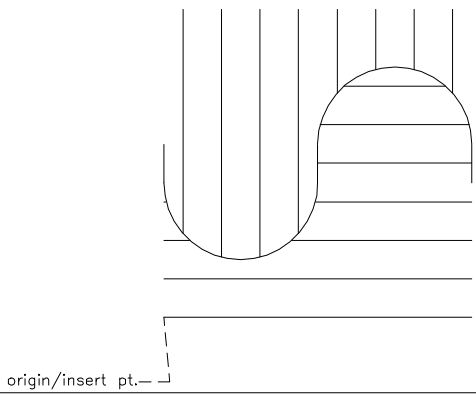
Architectural AINRIG
Element Type: Pattern
Description: Rigid Insulation Pattern



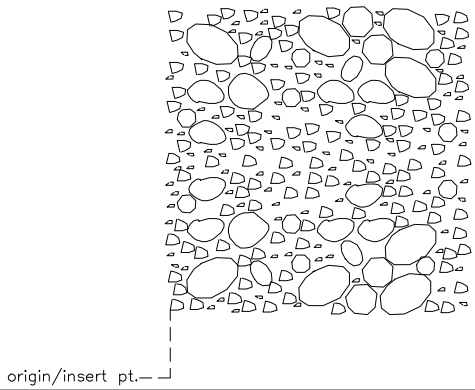
Architectural APBSSA
Element Type: Pattern
Description: Small Scale Pumice Concrete Block Pattern



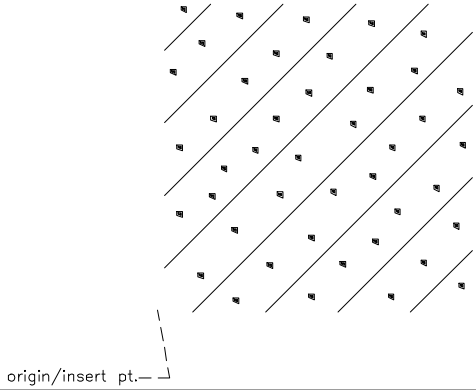
Architectural APPELE
Element Type: Pattern
Description: Gypsum Plaster Plan Elevation Pattern



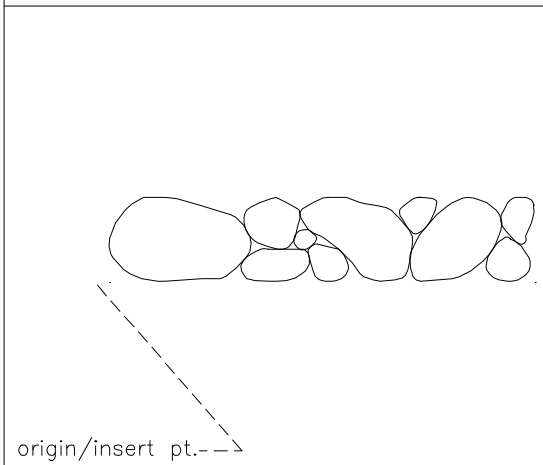
Architectural AROCK
Element Type: Pattern
Description: Rock Earthwork Pattern



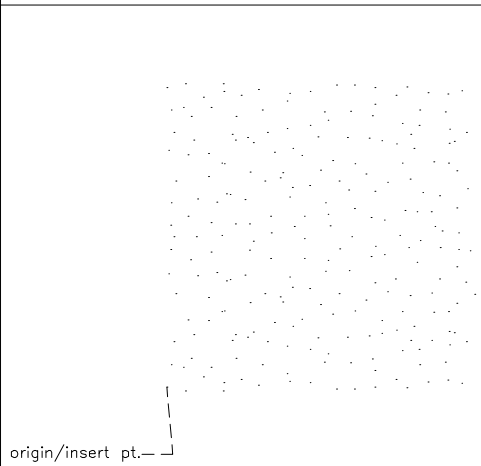
Architectural APRCST
Element Type: Pattern
Description: Precast Cast-in-Place Concrete Pattern



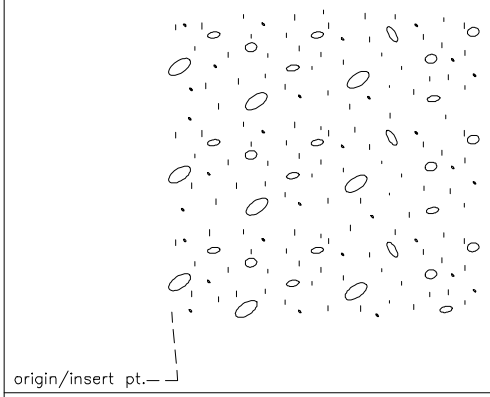
Architectural ARUBLE
Element Type: Pattern
Description: Stone Rubble Pattern



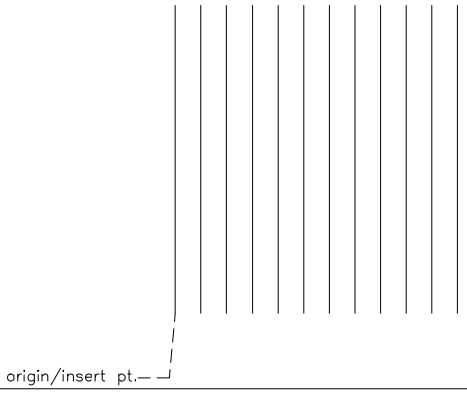
Architectural ARIPRP
Element Type: Pattern
Description: Riprap Pattern



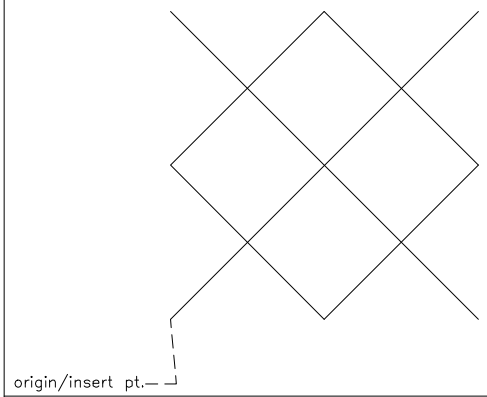
Architectural ASAND
Element Type: Pattern
Description: Sand Pattern



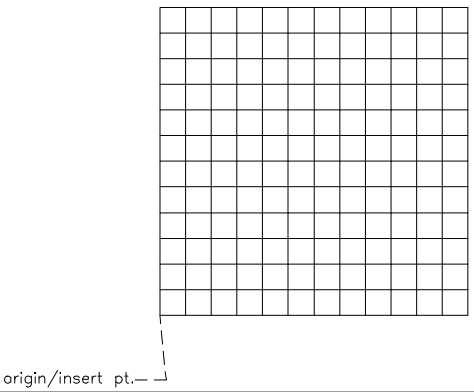
Architectural ASCLGR
Element Type: Pattern
Description: Sand Clay Gravel Pattern



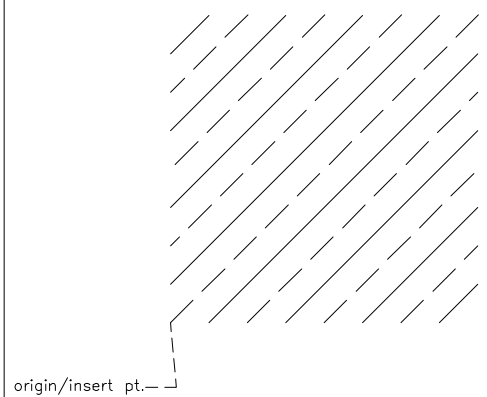
Architectural ASHMTL
Element Type: Pattern
Description: Metal Sheet Elevation Pattern



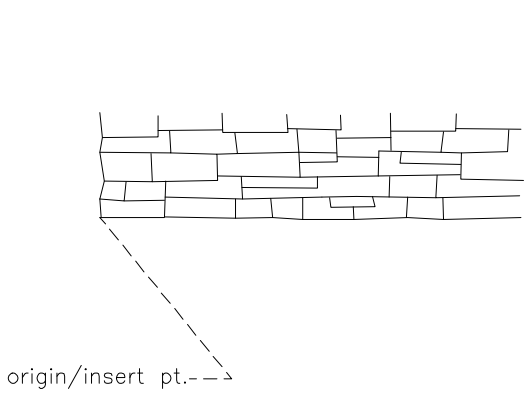
Architectural ASCTLS
Element Type: Pattern
Description: Large Scale Structural Tile Clay Pattern



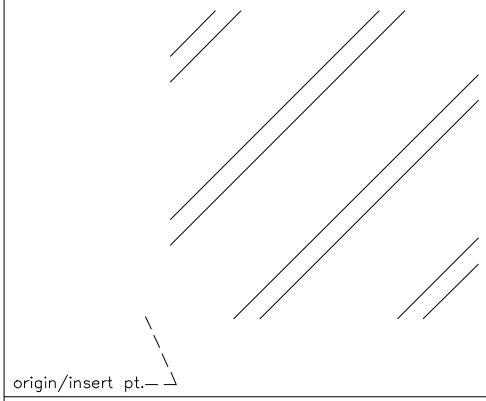
Architectural ASSELE
Element Type: Pattern
Description: Ceramic Tile Elevation Pattern



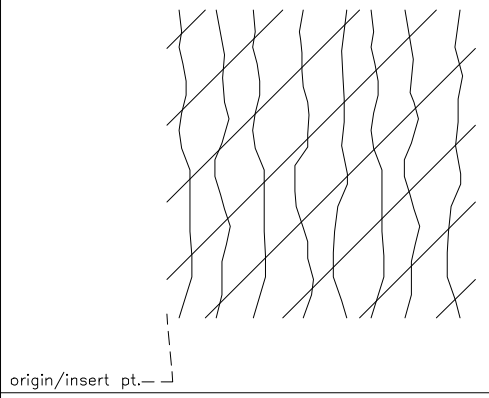
Architectural ASHLER
Element Type: Pattern
Description: Stone Ashler Pattern



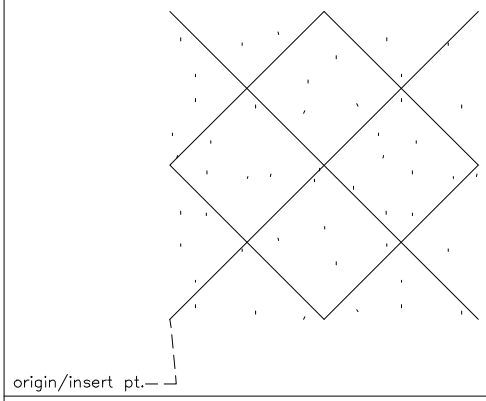
Architectural ASSPLN
Element Type: Pattern
Description: Squared Stone Pattern



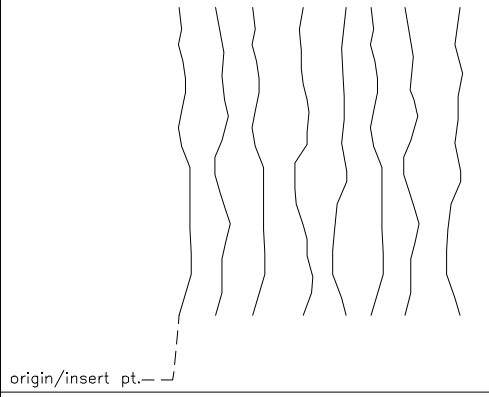
Architectural ASTEEL
Element Type: Pattern
Description: Steel other Metals Pattern



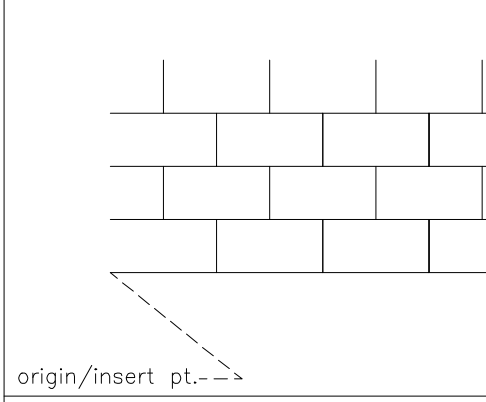
Architectural ATCBSS
Element Type: Pattern
Description: Terra Cotta (Small Scale) Brick Cotta



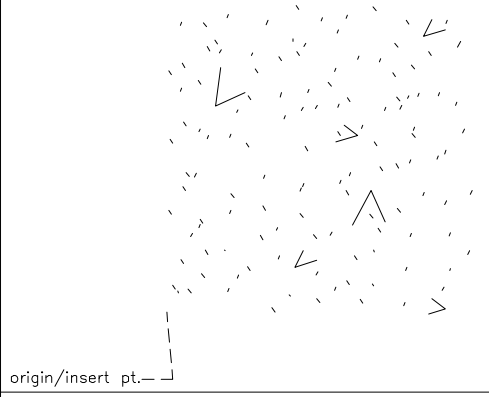
Architectural ASTFTL
Element Type: Pattern
Description: Structural Facing Masonry Tile Pattern



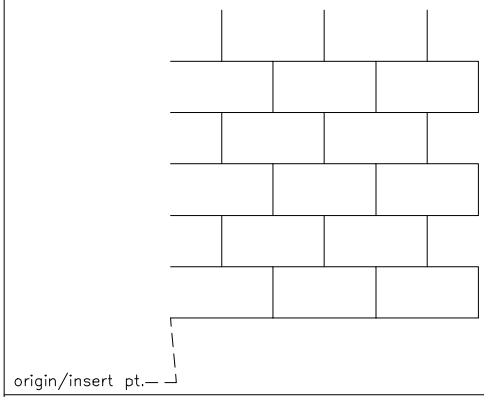
Architectural ATCUSS
Element Type: Pattern
Description: Terra Cotta (Small Scale) Unglazed Pattern



Architectural ATAELE
Element Type: Pattern
Description: Terra Cotta Elevation Pattern



Architectural ATERZO
Element Type: Pattern
Description: Terrazzo Finishes Pattern



Architectural ATFELE
Element Type: Pattern
Description: Tile Facing Elevation Pattern

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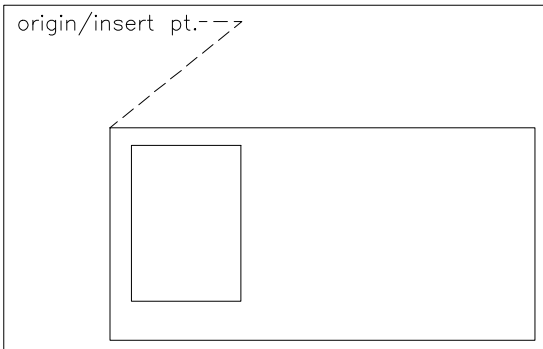
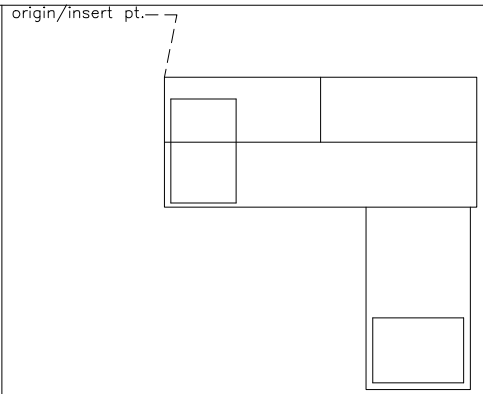
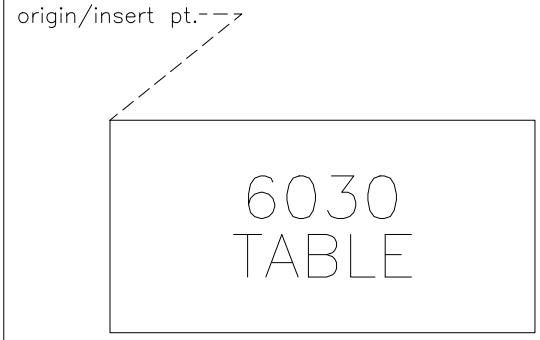
11 Interior Design Objects Library



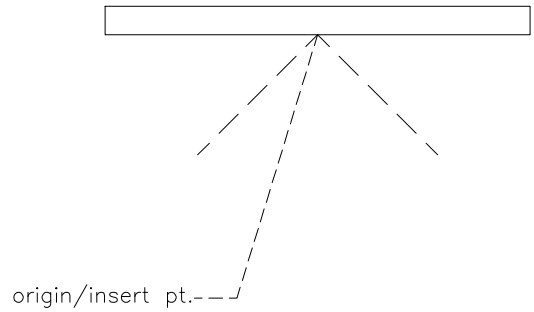
Interior I530SP
Element Type: Objects
Description: Single Pedestal Desk, 60W X 30D



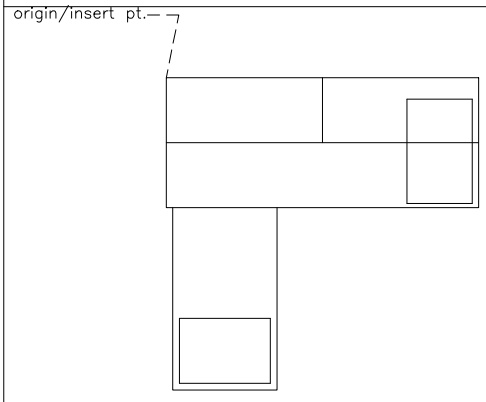
Interior I630WR
Element Type: Objects
Description: L.H. Single Pedestal Desk, 72W X 30D (2)



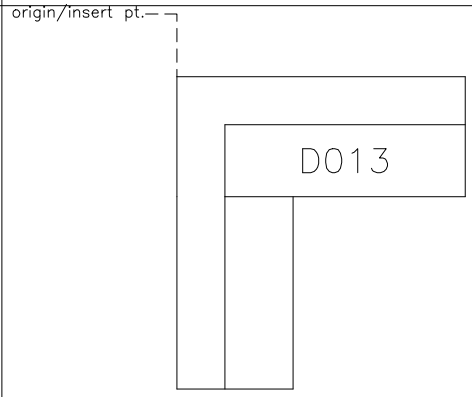
Interior I53OTB
Element Type: Objects
Description: Table 60" X 30"



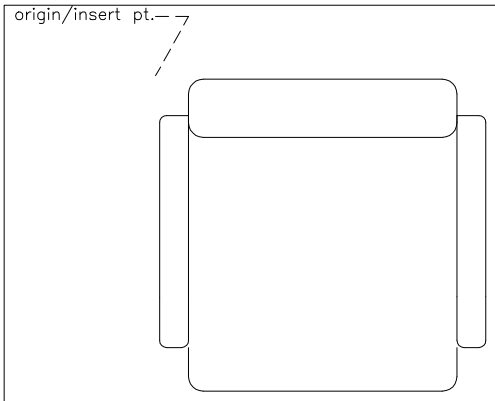
Interior IEASEL
Element Type: Objects
Description: Easel, 30W (Hidden)



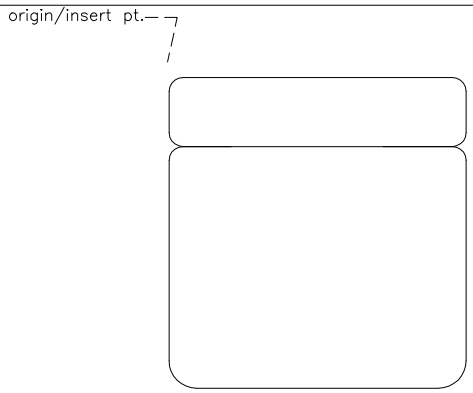
Interior I60WLR
Element Type: Objects
Description: R.H. Single Pedestal Desk, 72W X 30D (2)



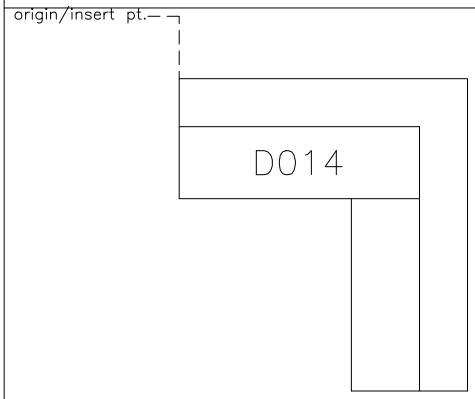
Interior IDWKLR
Element Type: Objects
Description: Workstation L Unit LR



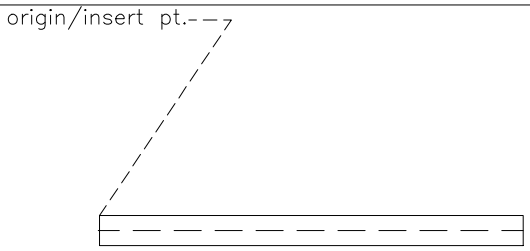
Interior IMDCH
Element Type: Objects
Description: Management Chair w/Arms 24W X 22D (1)



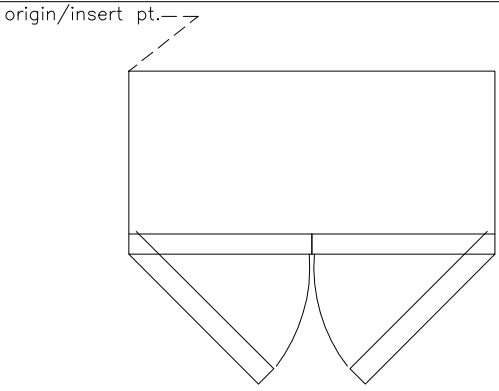
Interior ISCH
Element Type: Objects
Description: Secretarial Chair w/out Arms, 23W X 22D



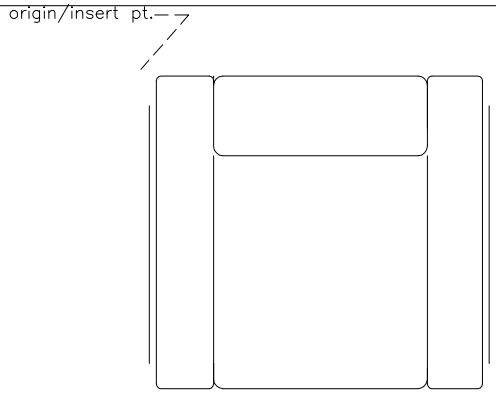
Interior IDWKRR
Element Type: Objects
Description: Workstation L Unit RR



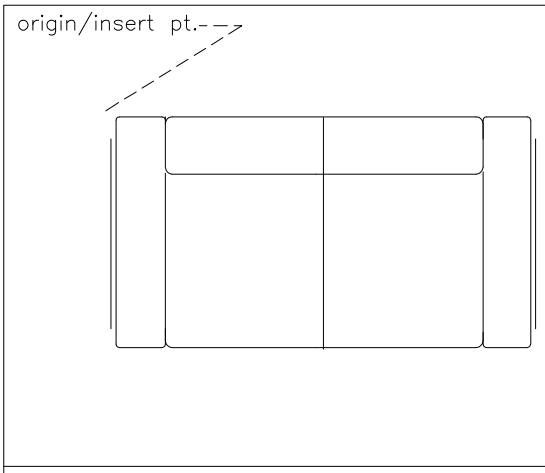
Interior ISCREN
Element Type: Objects
Description: Projection Screen, Ceiling-Mounted



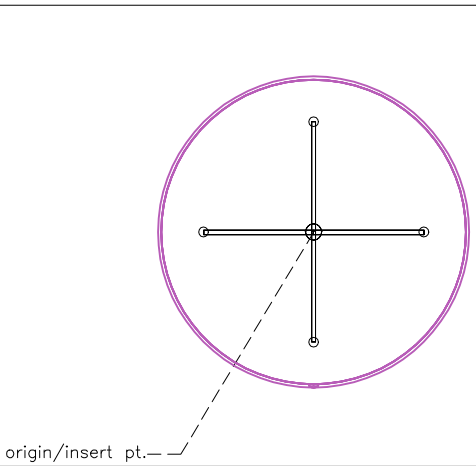
Interior IS3618
Element Type: Objects
Description: Storage Cabinet, 36W X 18D



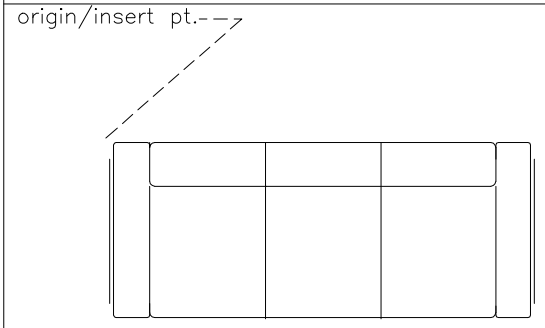
Interior ISOCH1
Element Type: Objects
Description: Sofa Chair, 37W X 34D



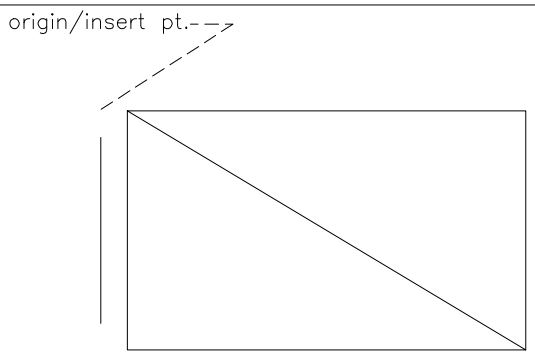
Interior ISOFA2
Element Type: Objects
Description: 2 Cushion Sofa, 63W X 34D



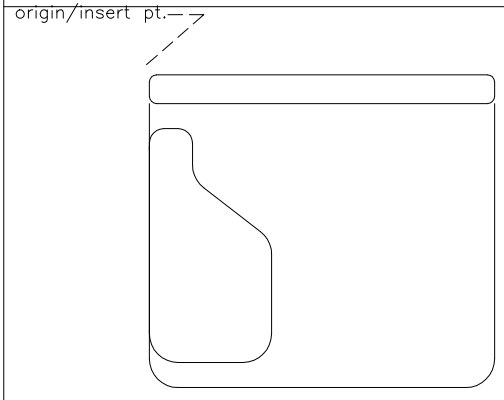
Interior ITRND
Element Type: Objects
Description: Round Table



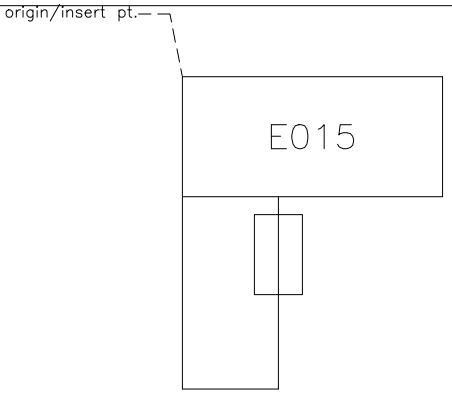
Interior ISOFA3
Element Type: Objects
Description: 3 Cushion Sofa, 82.5W X 34D



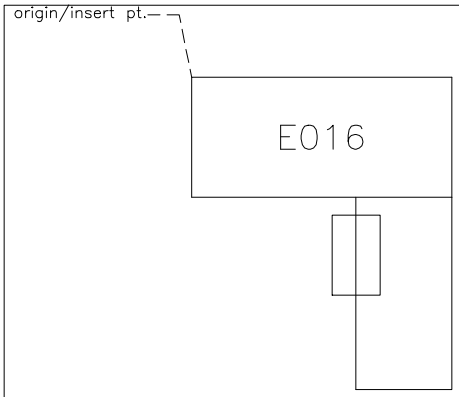
Interior IFV1833
Element Type: Objects
Description: Vertical 18" x 33"



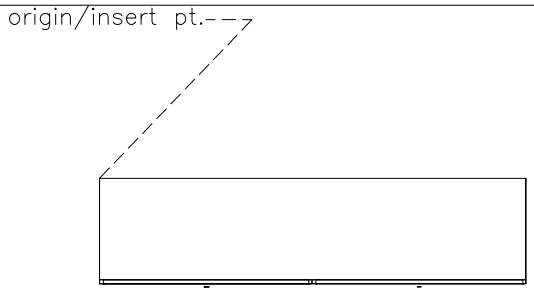
Interior ITABCH
Element Type: Objects
Description: Chair Tablet Arm, 24W X 24D



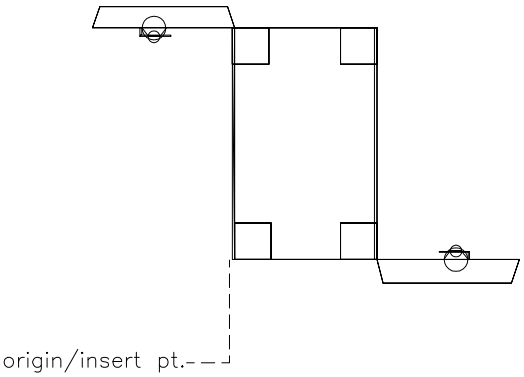
Interior I65DLR
Element Type: Objects
Description: Desk 65 Comp LR



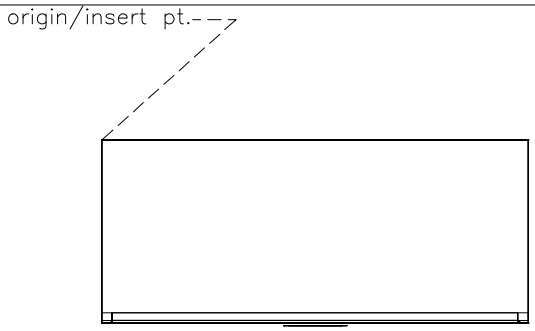
Interior I65DRR
Element Type: Objects
Description: Desk 65 Comp RR



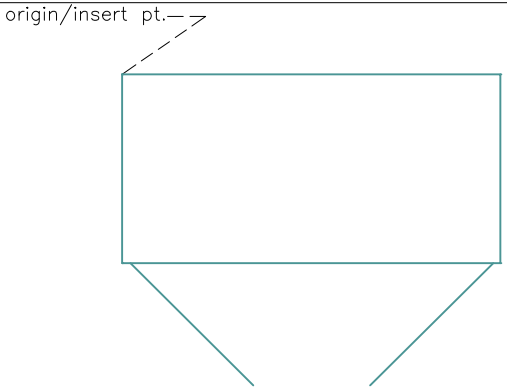
Interior ICBFDU
Element Type: Objects
Description: Flipper Door Unit



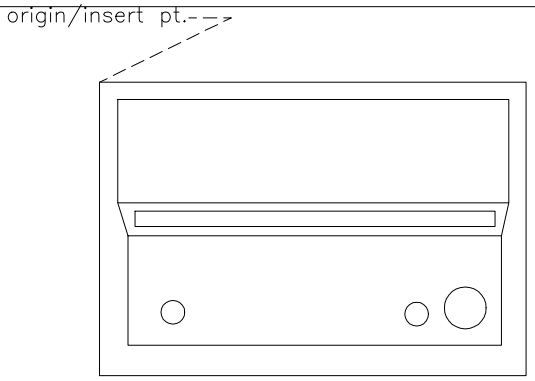
Interior ICBCC
Element Type: Objects
Description: Comsec Container



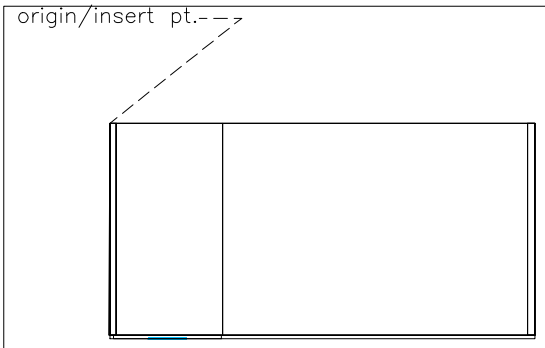
Interior ICBSTR
Element Type: Objects
Description: Sorage Cabinet



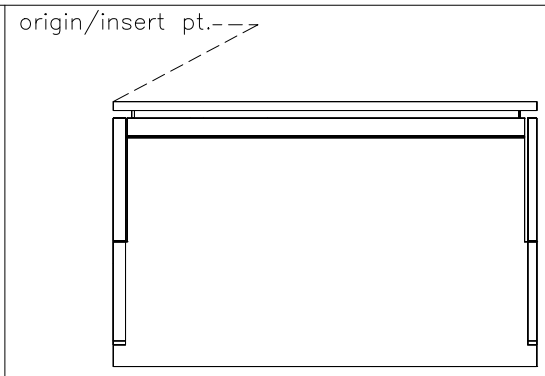
Interior ICBDD
Element Type: Objects
Description: Double Door Cabinet



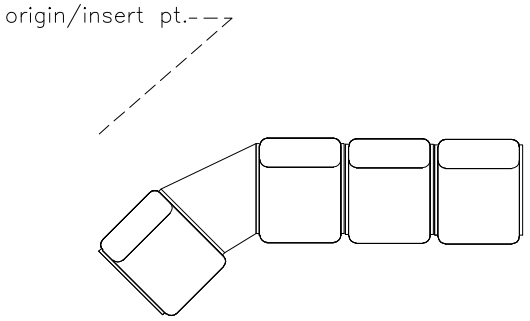
Interior ICGAME
Element Type: Objects
Description: Freestanding Computer Game



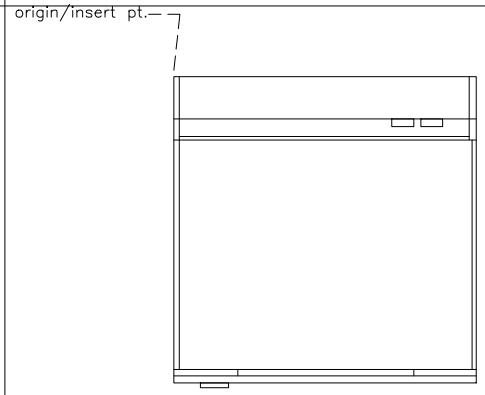
Interior IDLP
Element Type: Objects
Description: Desk, Left Pedastle



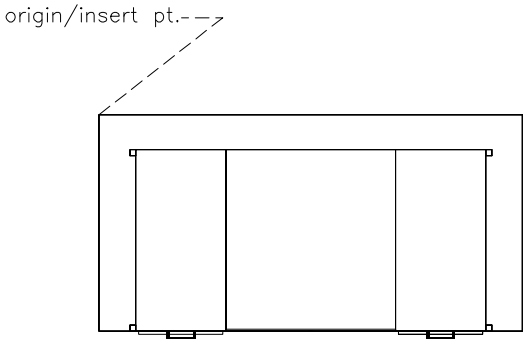
Interior IW4530
Element Type: Objects
Description: workstation 45"x 30"



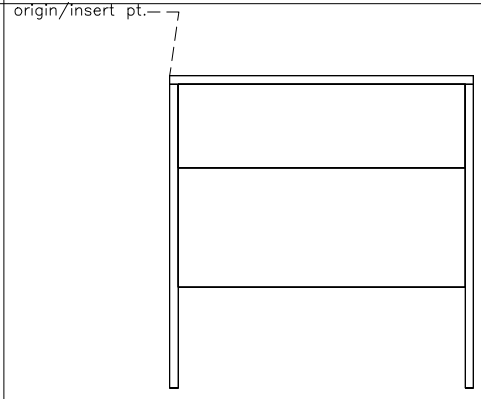
Interior ISGSWT
Element Type: Objects
Description: Gang Seating With Table



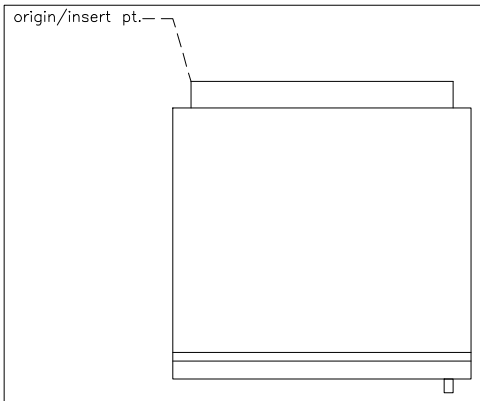
Interior IDRYER
Element Type: Objects
Description: Dryer



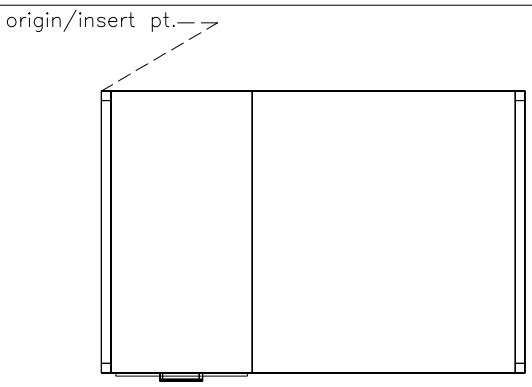
Interior IDPFF
Element Type: Objects
Description: Desk double file pedastil



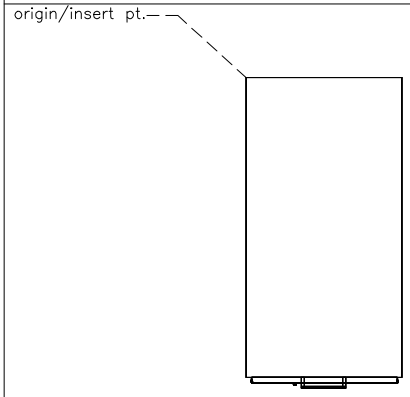
Interior IDSSC
Element Type: Objects
Description: Study Carrel, Single



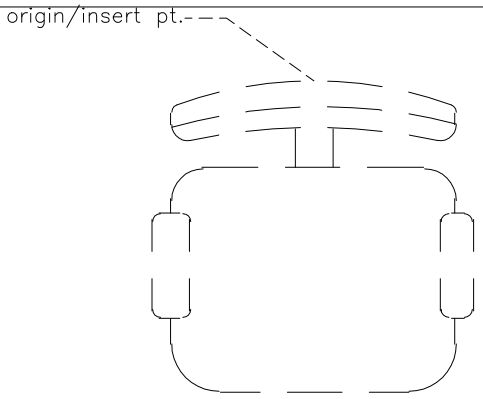
Interior IEREF1
Element Type: Objects
Description: Refrigerator



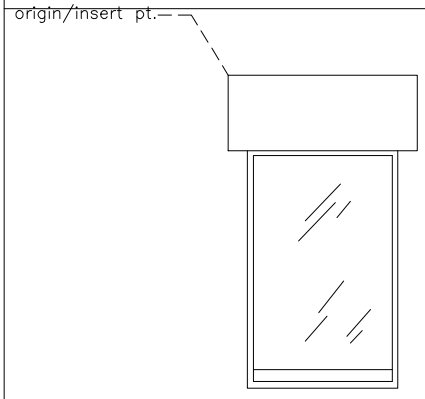
Interior IRPF
Element Type: Objects
Description: Desk Return Pedastil File



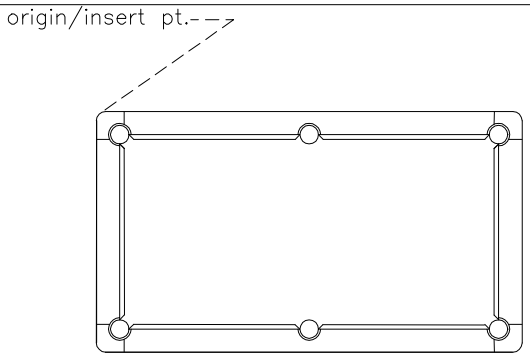
Interior IFWP
Element Type: Objects
Description: Workstation Pedastil



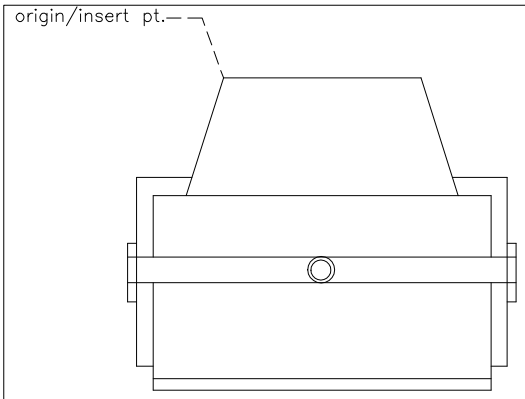
Interior ITCHR
Element Type: Objects
Description: Task Chair



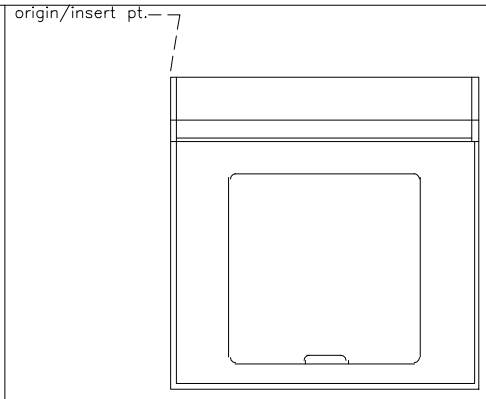
Interior IPBALL
Element Type: Objects
Description: Pinball Machine



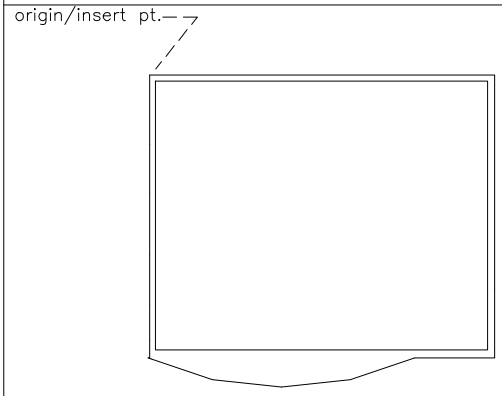
Interior ITPOOL
Element Type: Objects
Description: Pool Table



Interior ITV
Element Type: Objects
Description: Television

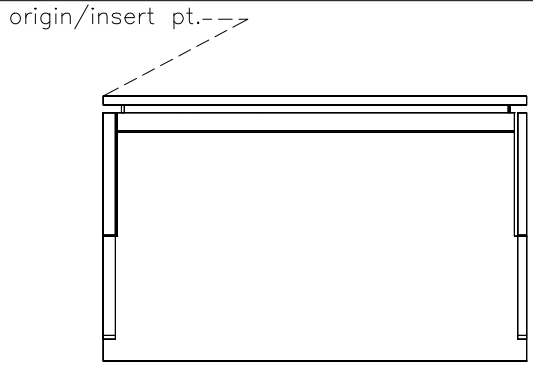


Interior IWMACH
Element Type: Objects
Description: Washing Machine



Interior IVMACH
Element Type: Objects
Description: Vending Machine

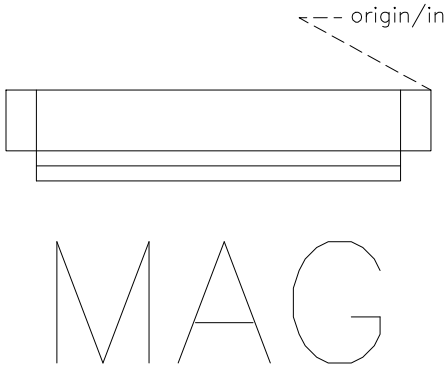
Interior
Element Type:
Description:



Interior IW4530
Element Type: Objects
Description: workstation 45"x 30"

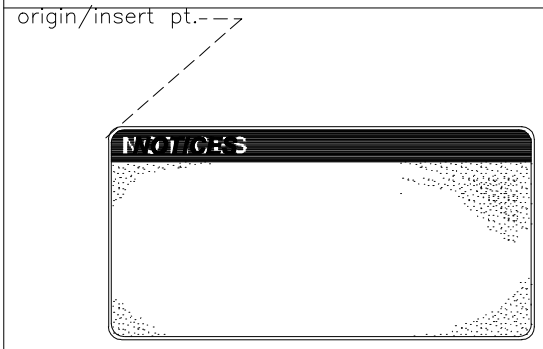
Interior
Element Type:
Description:

11 Interior Design Symbols Library

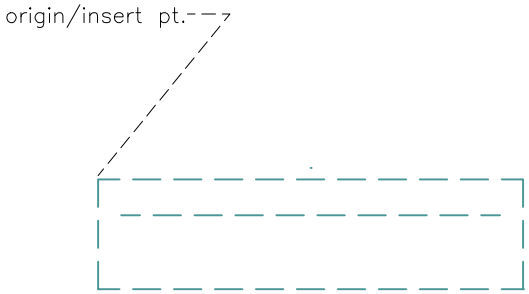


Interior IMAGA2
Element Type: Symbol
Description: Magazine Rack, 15W X 3D

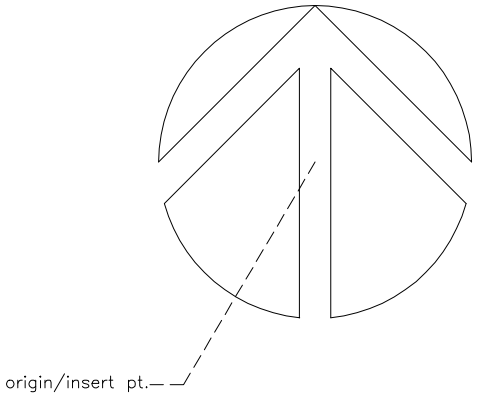
Interior IMAIL1
Element Type: Symbol
Description: Mailsort Table 16 OH Slots 30W



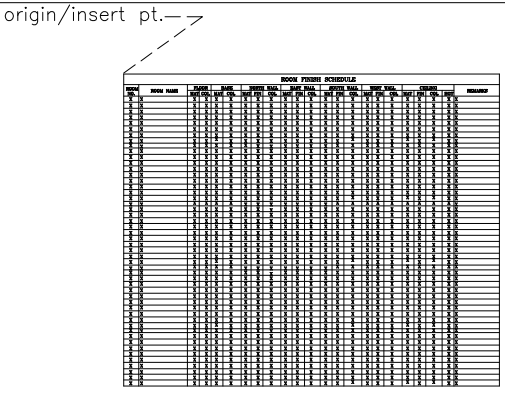
Interior IGBBRD
Element Type: Symbol
Description: Bulletin Board



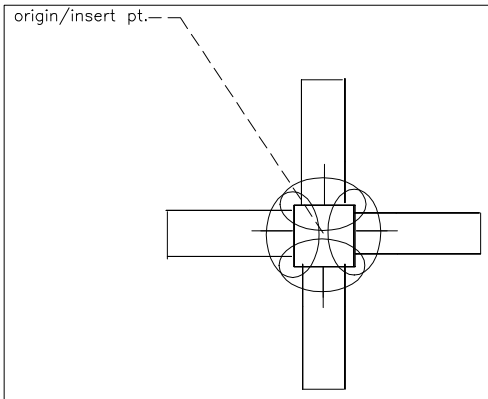
Interior IWLITE
Element Type: Symbol
Description: Workstation Light



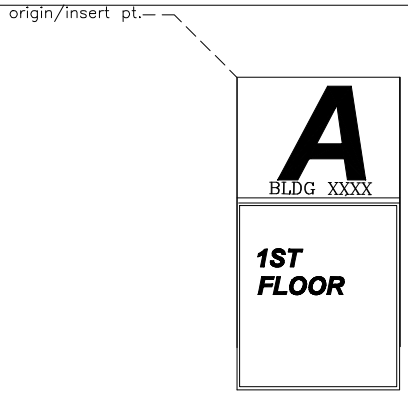
Interior IARROW
Element Type: Symbol
Description: North Arrow (1)



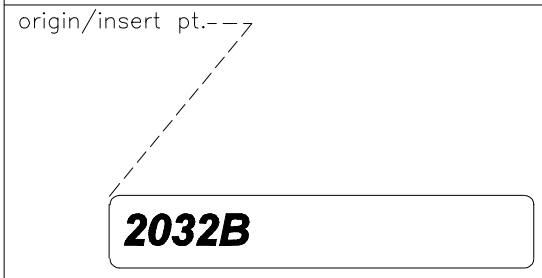
Interior IRFSCH
Element Type: Symbol
Description: Room Finish Schedule



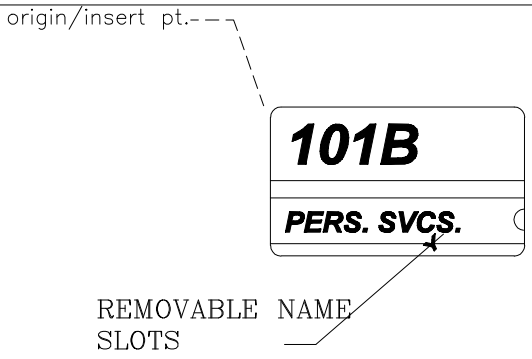
Interior ICOSTR
Element Type: Symbol
Description: Costumer



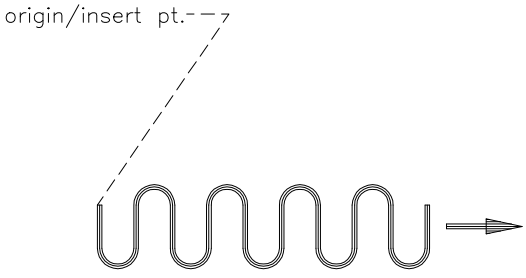
Interior IDIR
Element Type: Symbol
Description: Directory



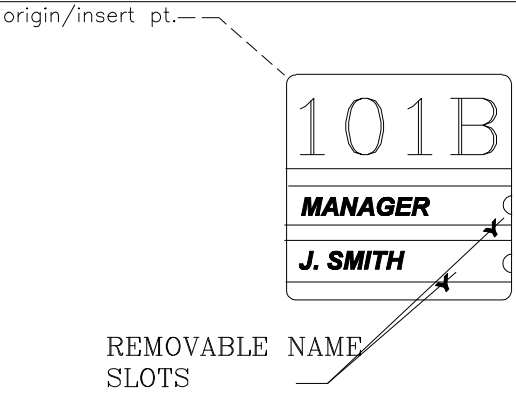
Interior IDSIGN
Element Type: Symbol
Description: Identification Sign



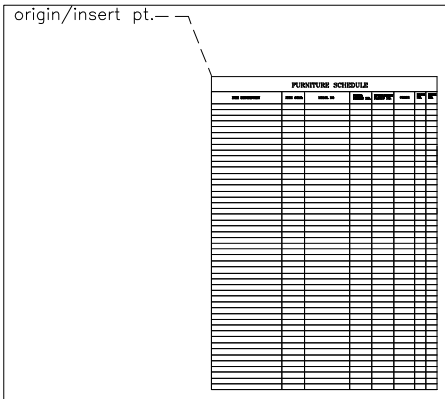
Interior ISGN1S
Element Type: Symbol
Description: Ident Sign w/1 Slot



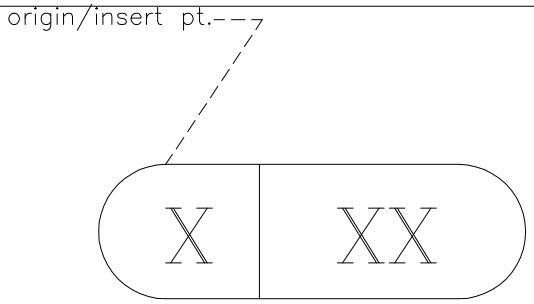
Interior ICURTN
Element Type: Symbol
Description: Curtain



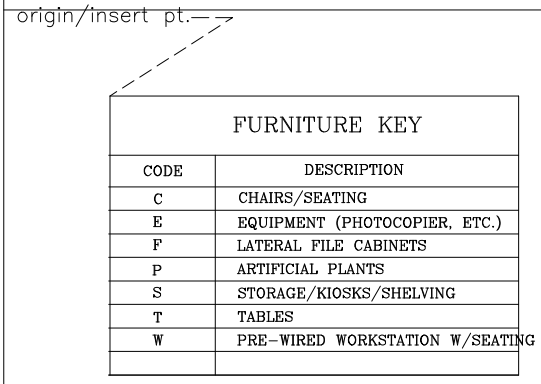
Interior ISGN2S
Element Type: Symbol
Description: Ident Sign w/2 Slots



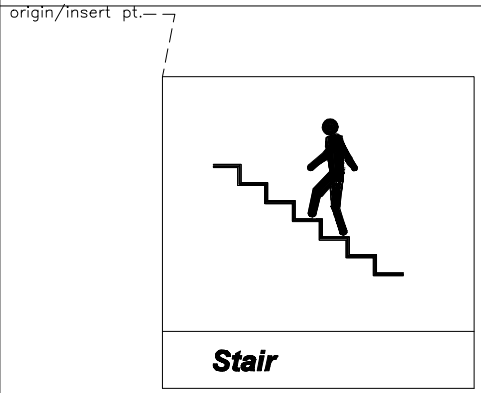
Interior IFMATL
Element Type: Symbol
Description: Furniture Material List



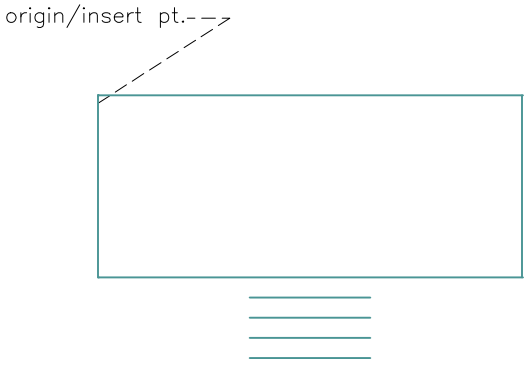
Interior IFSYMB
Element Type: Symbol
Description: Furniture Symbol



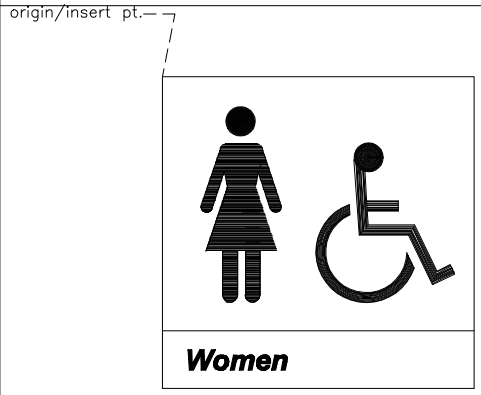
Interior IFSCHD
Element Type: Symbol
Description: Furniture Schedule



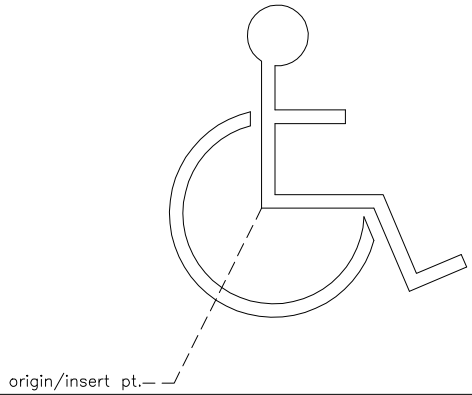
Interior IPICT1
Element Type: Symbol
Description: Picturegram stas



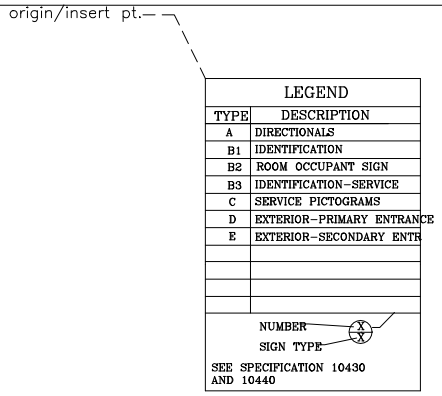
Interior IFLC4D
Element Type: Objects
Description: Lateral File Cab-4drw



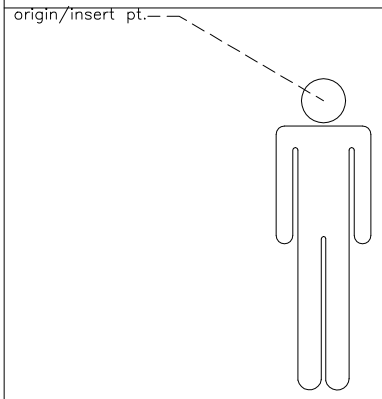
Interior IPICT2
Element Type: Symbol
Description: Picturegram Womans



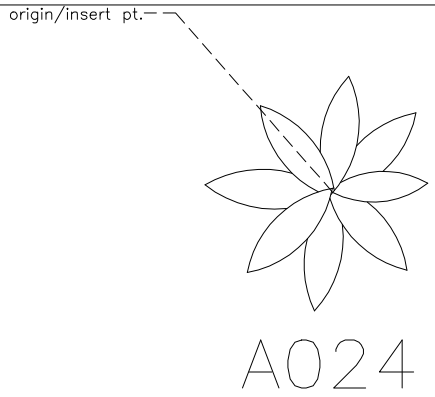
Interior IHNDIC
Element Type: Symbol
Description: Universal Handicap Symbol



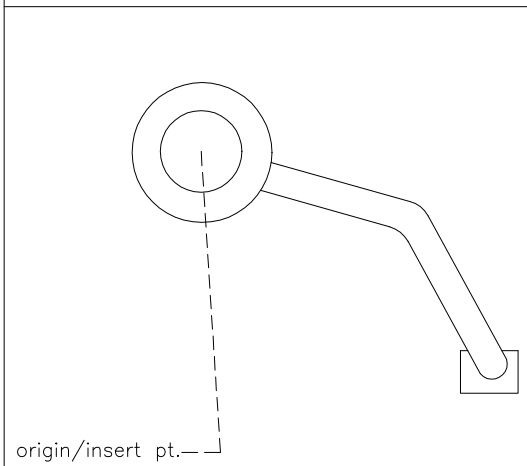
Interior ISSCHD
Element Type: Symbol
Description: Signage Schedule



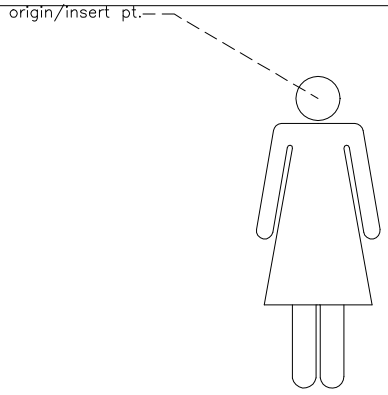
Interior IMAN
Element Type: Symbol
Description: Restroom Signage Symbol for Man



Interior IPLAN5
Element Type: Symbol
Description: Artificial Plant 5

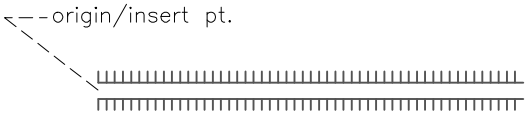


Interior IMLITE
Element Type: Symbol
Description: Magnifying Light

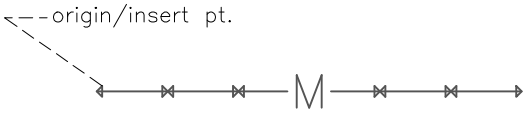


Interior IWOMAN
Element Type: Objects
Description: Restroom Signage Symbol for Woman

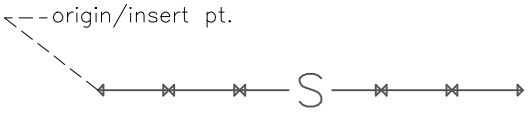
12 Equipment - Security Systems Lines Library



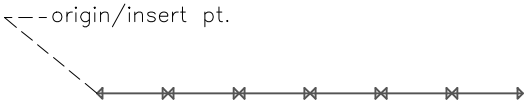
Security QDBARR
Element Type: Line
Description: Ditch Barrier



Security QMABAR
Element Type: Line
Description: Security Masonry Barrier



Security QBAGEN
Element Type: Line
Description: Generic Security Barrier



Security QCLFEN
Element Type: Line
Description: Chain Link Security Fence

Line
Element Type:
Description:

Line
Element Type:
Description:

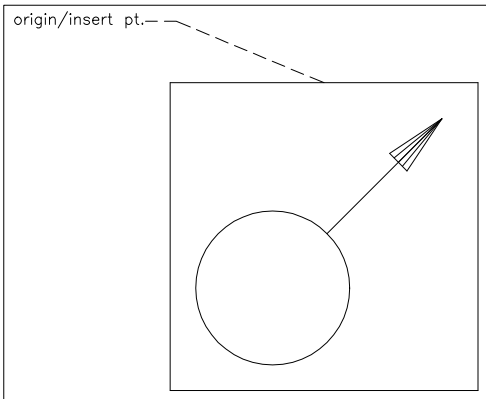
Line
Element Type:
Description:

Line
Element Type:
Description:

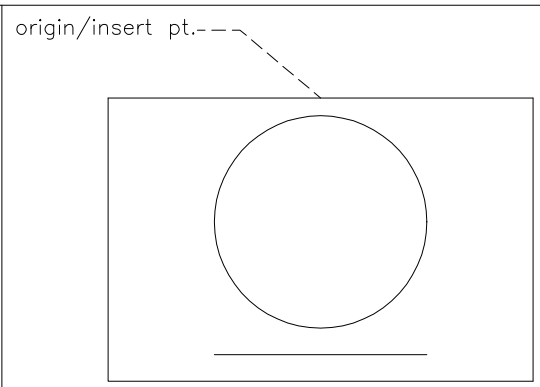
Line
Element Type:
Description:

Line
Element Type:
Description:

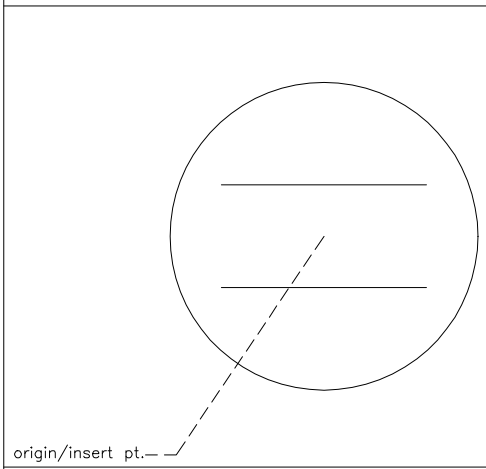
12 Equipment - Security Systems Symbols Library



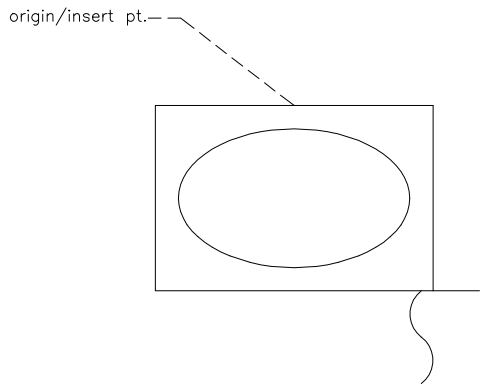
Security QBACON
Element Type: Symbol
Description: Biometric Access Control



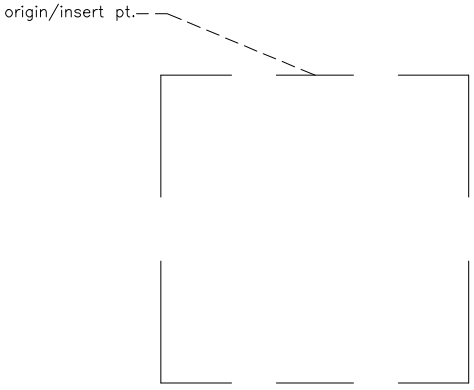
Security QCCTVC
Element Type: Symbol
Description: CCTV and Card Reader



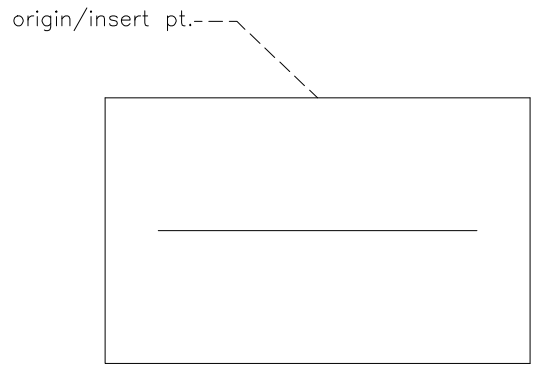
Security QBMSWI
Element Type: Symbol
Description: Balanced Magnetic Switch



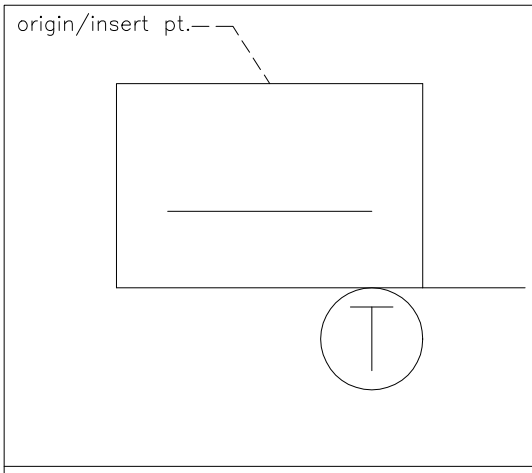
Security QCCTYM
Element Type: Symbol
Description: "CCTV Monitor, Desk Unit"



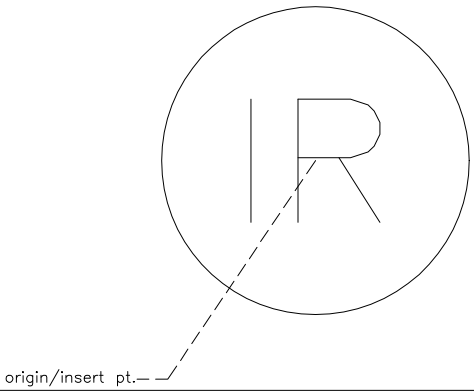
Security QBVSEN
Element Type: Symbol
Description: Buried Vehicle Sensor



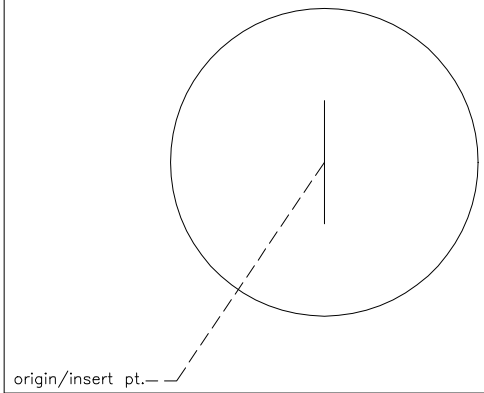
Security QCRGEN
Element Type: Symbol
Description: Generic or Slot-Type Card Reader



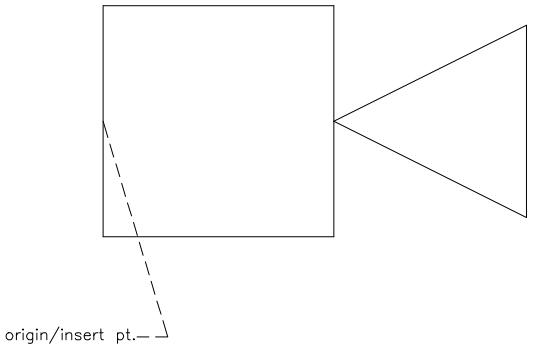
Security QCRTPD
Element Type: Symbol
Description: Card Reader w/Touchpad



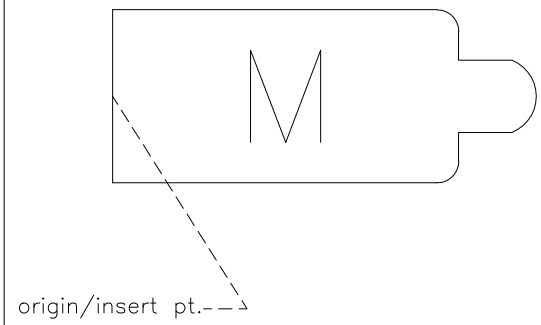
Security QPIMDT
Element Type: Symbol
Description: Passive Infrared Motion Detector



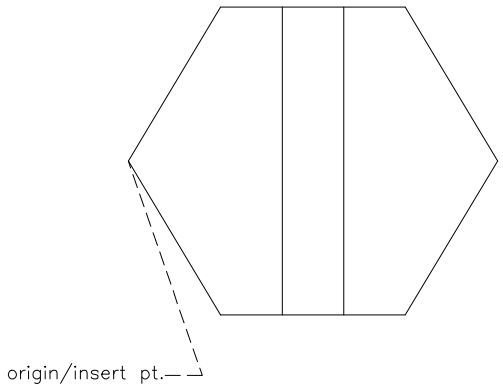
Security QINSTA
Element Type: Symbol
Description: Intercom Station



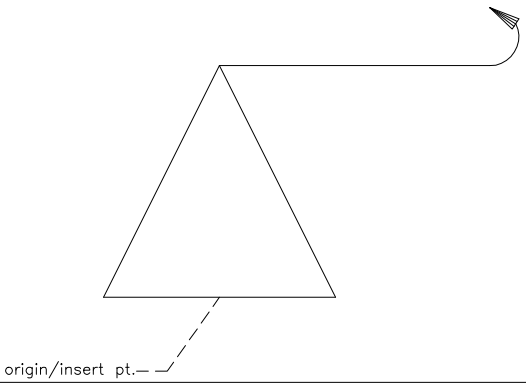
Security QSIREN
Element Type: Symbol
Description: Horn or Siren



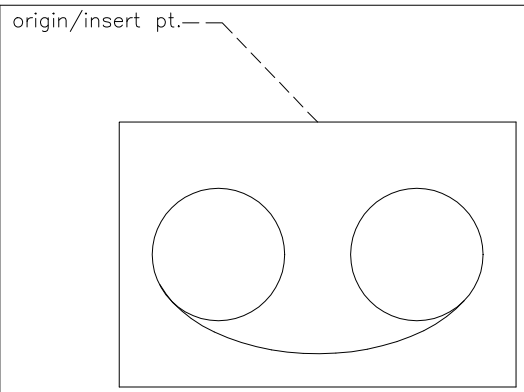
Security QMDCTV
Element Type: Symbol
Description: Motion Detection CCTV



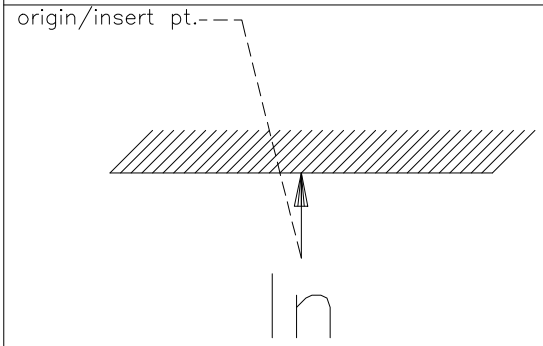
Security QSPBID
Element Type: Symbol
Description: Bidirectional Speaker



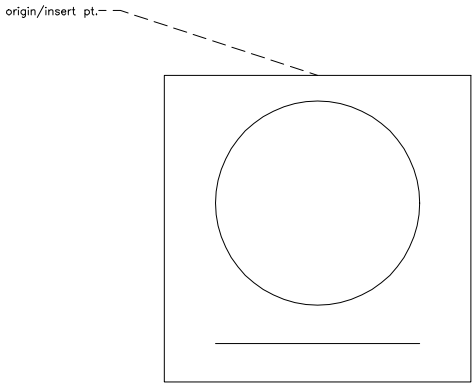
Security QTASWI
Element Type: Symbol
Description: "Traffic Arm, Mechanical Swing"



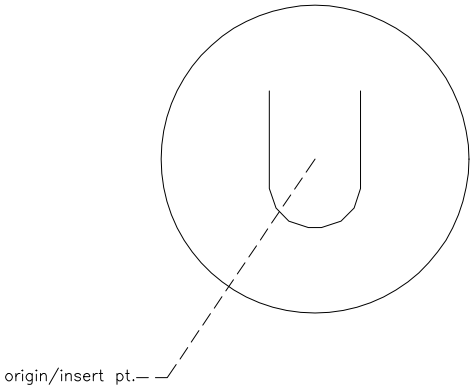
Security QVTREC
Element Type: Symbol
Description: Video Tape Recorder



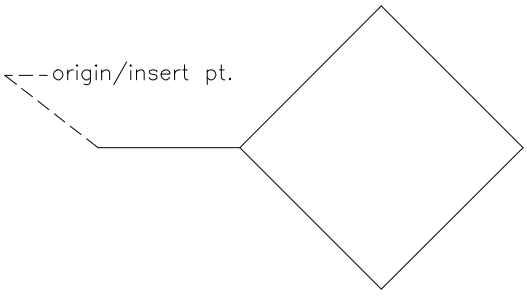
Security QTITRE
Element Type: Symbol
Description: Tire Treddle



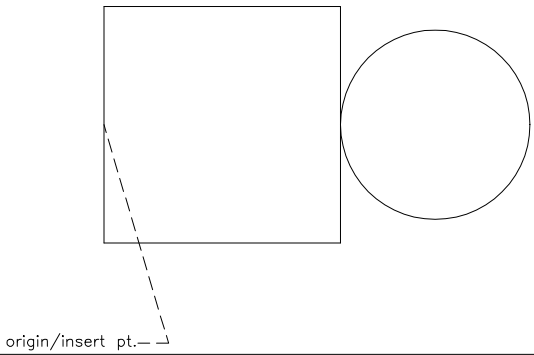
Security QACCTV
Element Type: Symbol
Description: Access Control Unit w/CCTV



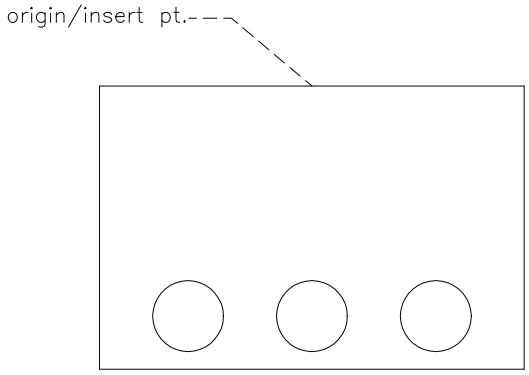
Security QULSEN
Element Type: Symbol
Description: Ultrasonic Sensor



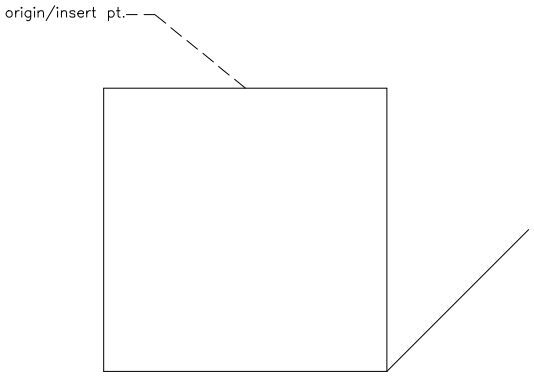
Security QADGEN
Element Type: Symbol
Description: Generic Annunciation Device



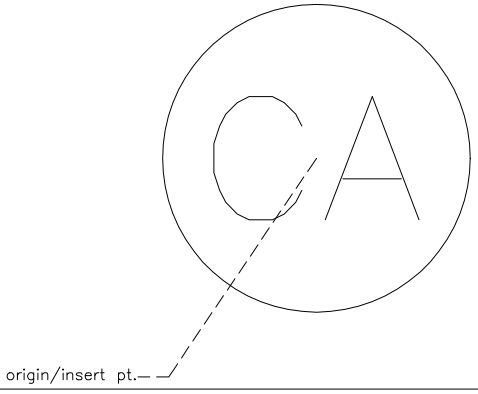
Security QBELL
Element Type: Symbol
Description: Bell



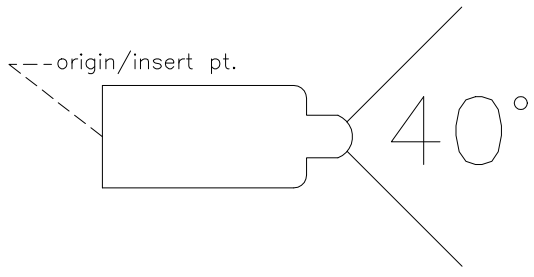
Security QCCTVP
Element Type: Symbol
Description: "CCTV Switcher, Passive Manual"



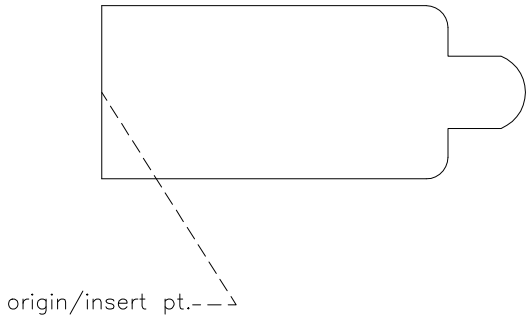
Security QBUZZR
Element Type: Symbol
Description: Buzzer



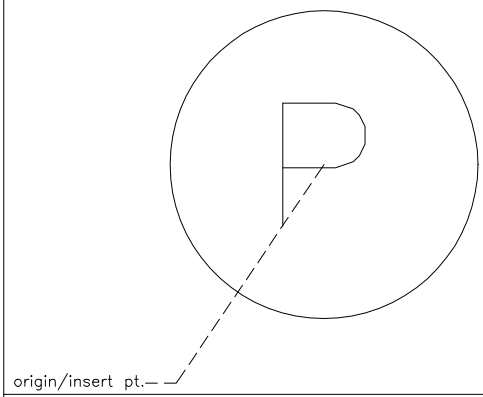
Security QCNACC
Element Type: Symbol
Description: Controlled Access Point



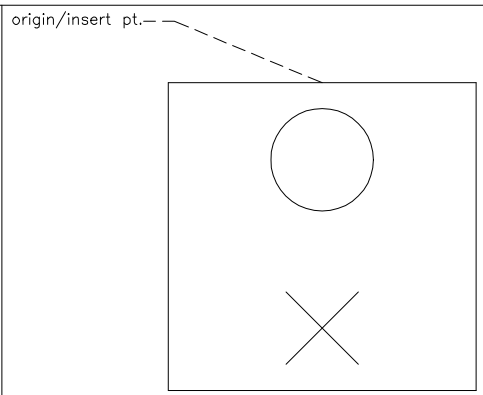
Security QCCTVA
Element Type: Symbol
Description: CCTV Angle of View



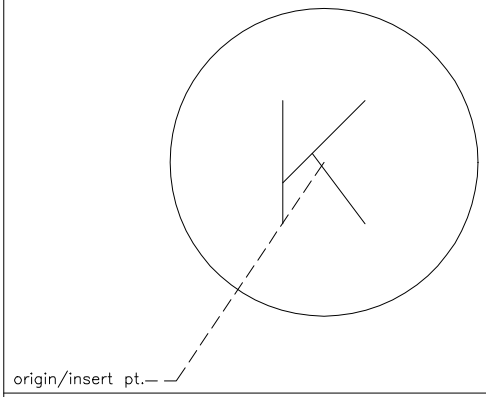
Security QCLCTV
Element Type: Symbol
Description: Closed Circuit Television Camera



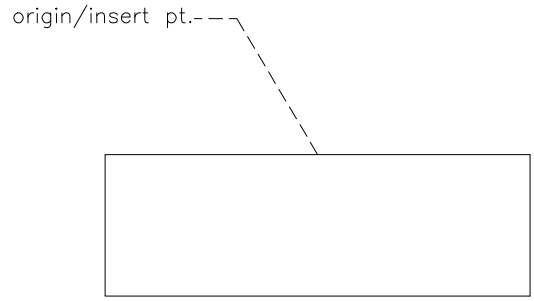
Security QDRSWI
Element Type: Symbol
Description: Durress Switch



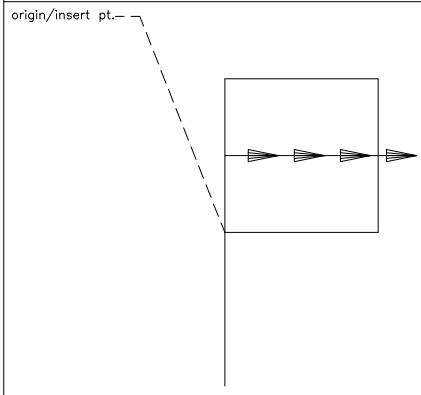
Security QPNALA
Element Type: Symbol
Description: Panic Alarm



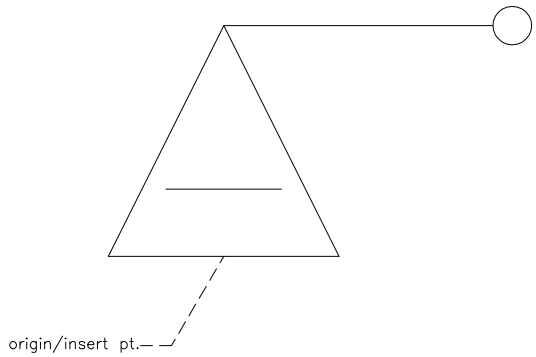
Security QLCANN
Element Type: Symbol
Description: Local Control Annunciation Unit



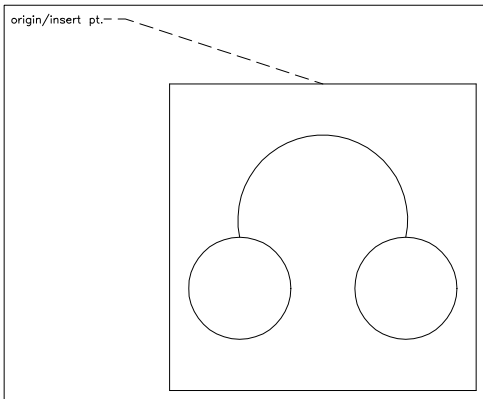
Security QSMPAN
Element Type: Symbol
Description: Surface Mounted Panelboard/Cabinet



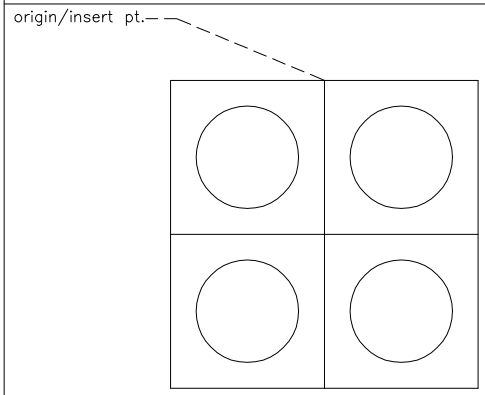
Security QOMTRA
Element Type: Symbol
Description: Outdoor Microwave Transmit Unit



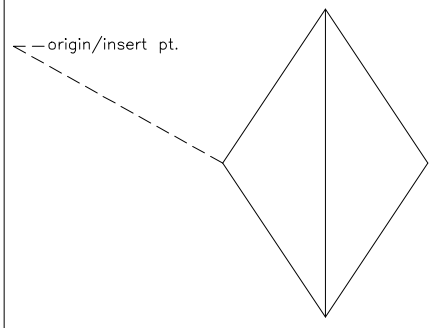
Security QTACRD
Element Type: Symbol
Description: Traffic Arm w/Card Reader



Security QTEHAN ***Element Type:*** Symbol ***Description:*** Telephone Handset	***Security*** ***Element Type:*** ***Description:***

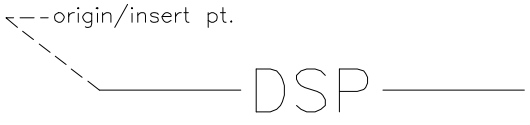


Security QTLDEV ***Element Type:*** Symbol ***Description:*** Touchpad Lock or Device	***Security*** ***Element Type:*** ***Description:***

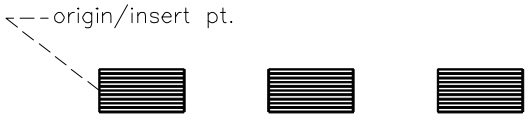


Security QVLSEN ***Element Type:*** Symbol ***Description:*** Any Volumetric Sensor	***Security*** ***Element Type:*** ***Description:***

13 Fire Protection/Suppression Lines Library



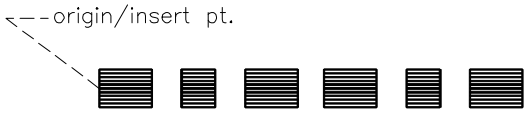
Fire Protection FDRPIP
Element Type: Line
Description: Dry Standpipe



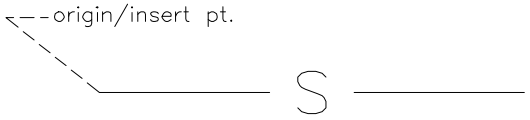
Fire Protection FIRE1H
Element Type: Line
Description: 1 Hour Fire Resistance Rating

Fire Protection FIRE2H
Element Type: Line
Description: 2 Hour Fire Resistance Rating

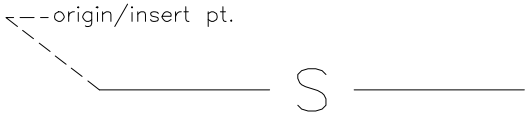
Fire Protection FIRE3H
Element Type: Line
Description: 3 Hour Fire Resistance Rating



Fire Protection FIRE4H
Element Type: Line
Description: 4 Hour Fire Resistance Rating



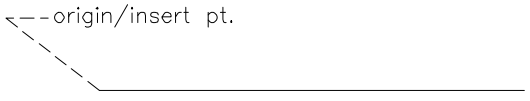
Fire Protection FMASPR
Element Type: Line
Description: Main Supply Sprinkler



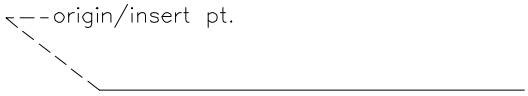
Fire Protection FMSSPR
Element Type: Line
Description: Secondary Sprinkler Supply

Fire Protection FPNTUB
Element Type: Line
Description: Pneumatic Tube Runs

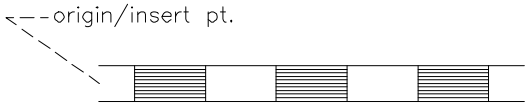
Fire Protection FPRWMN
Element Type: Line
Description: Private Water Main



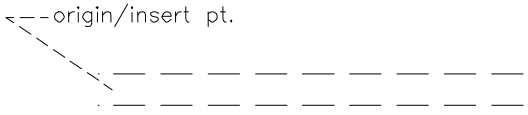
Fire Protection FPWMAN
Element Type: Line
Description: Public Water Main



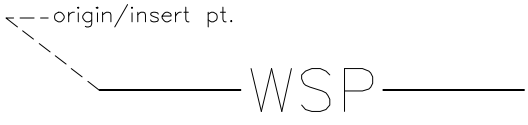
Fire Protection FSPLIN
Element Type: Line
Description: Sprinkler Piping Branch Line



Fire Protection FSUMAN
Element Type: Line
Description: Suction Main

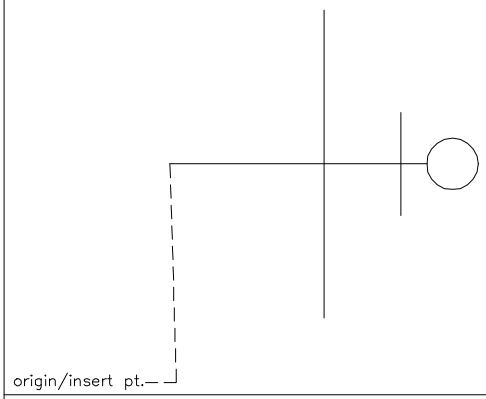


Fire Protection FUWMAN
Element Type: Symbol
Description: Water Main Under Building

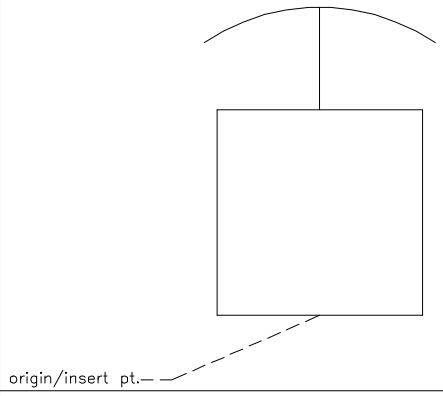


Fire Protection FWETSP
Element Type: Line
Description: Wet Standpipe

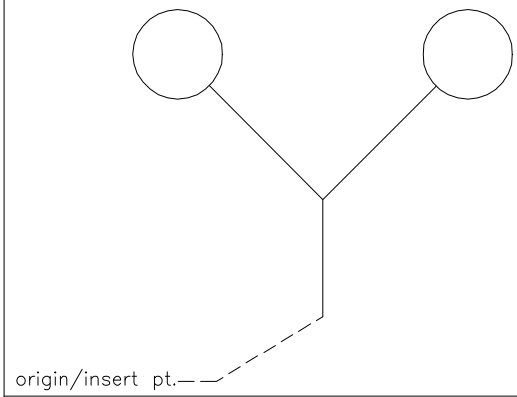
13 Fire Protection/Suppression Symbols Library



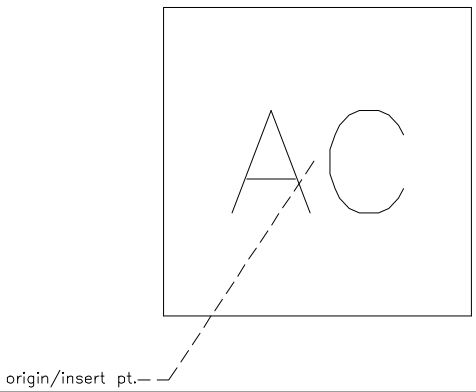
Fire Protection F1WCON
Element Type: Symbol
Description: Fire Dept. 1-Way Connection



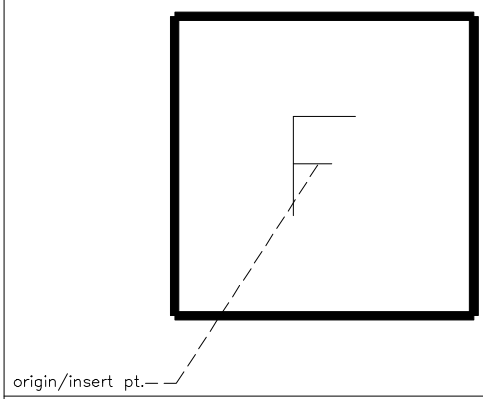
Fire Protection FABSWI
Element Type: Symbol
Description: Abort Switch



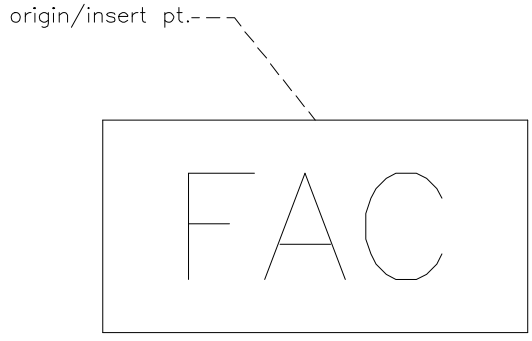
Fire Protection F2WCON
Element Type: Symbol
Description: Fire Dept. 2-Way Siamese Connection



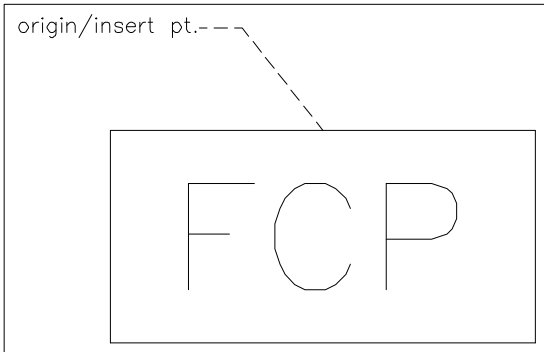
Fire Protection FACERM
Element Type: Symbol
Description: Room Air Conditioning Equipment



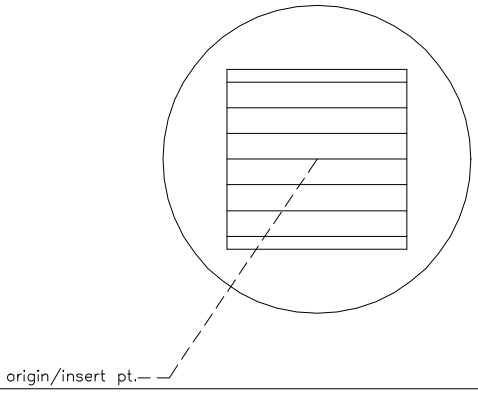
Fire Protection FABOX
Element Type: Symbol
Description: Fire Alarm Box



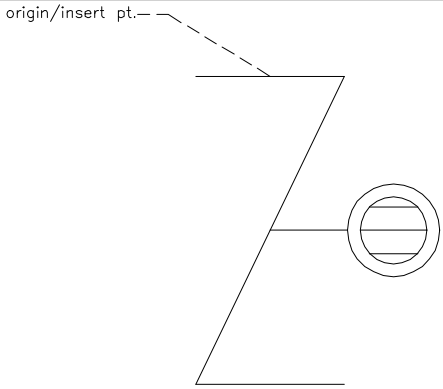
Fire Protection FACOMM
Element Type: Symbol
Description: Fire Alarm Communicator



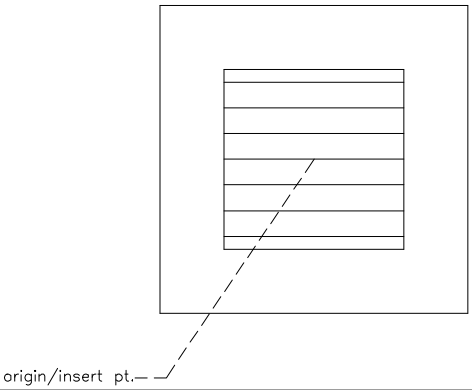
Fire Protection FACPNL
Element Type: Symbol
Description: Fire Alarm Control Panel



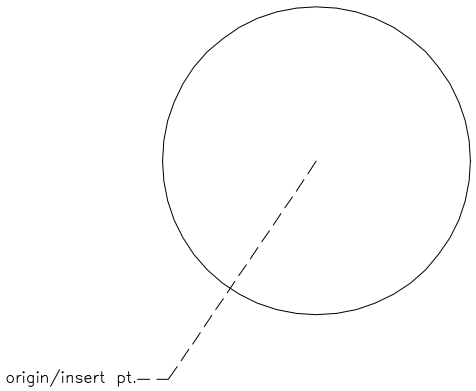
Fire Protection FALAAS
Element Type: Symbol
Description: All-Type Fire Extinguisher, Auto. Act.



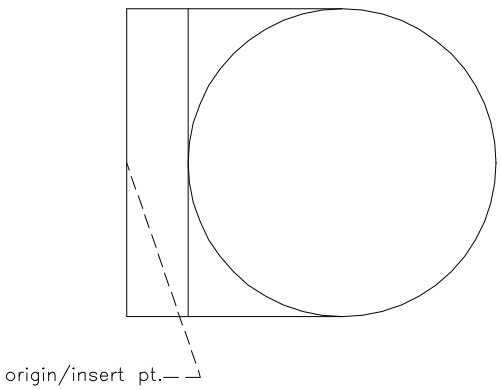
Fire Protection FACVLV
Element Type: Symbol
Description: Check Valve Alarm



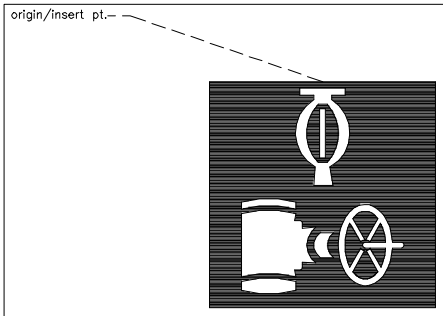
Fire Protection FALMAS
Element Type: Symbol
Description: All-Type Fire Extinguisher, Man. Act.



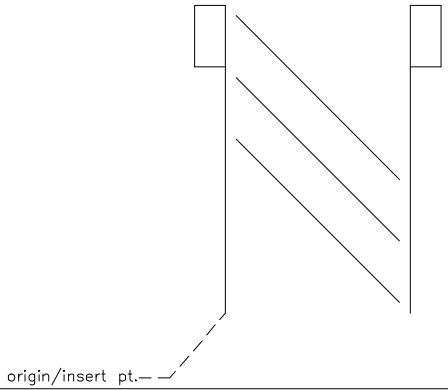
Fire Protection FADSDG
Element Type: Symbol
Description: Autodetect Supervisory Device



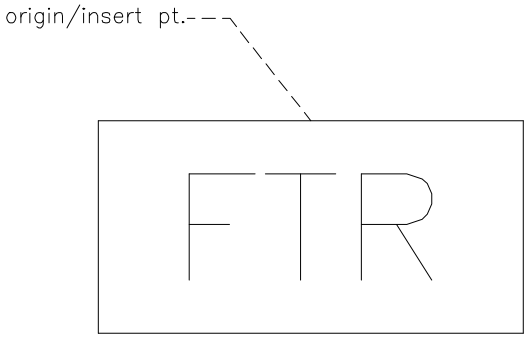
Fire Protection FASCON
Element Type: Symbol
Description: Storage Container Agent



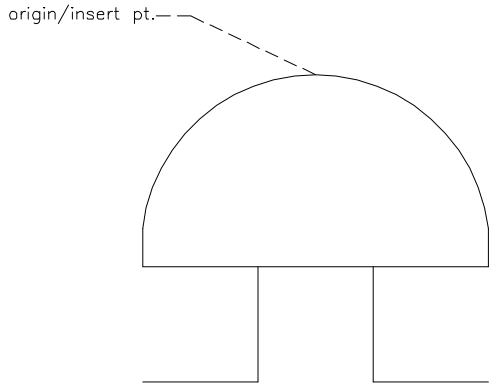
Fire Protection FASCVL
Element Type: Symbol
Description: Automatic Sprinkler Control Valve



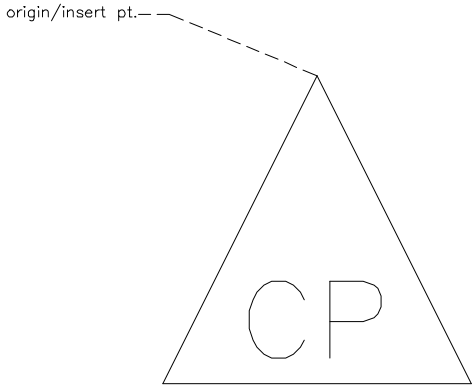
Fire Protection FBAROM
Element Type: Symbol
Description: Barometric Damper



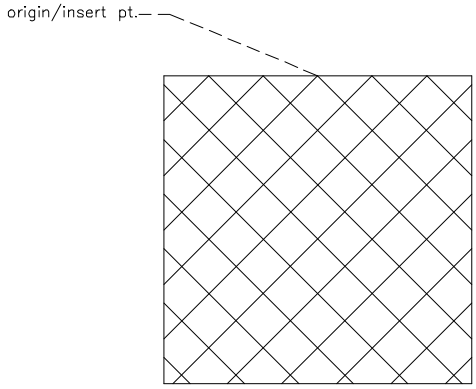
Fire Protection FATPNL
Element Type: Symbol
Description: Fire Alarm Transponder or Transmitter



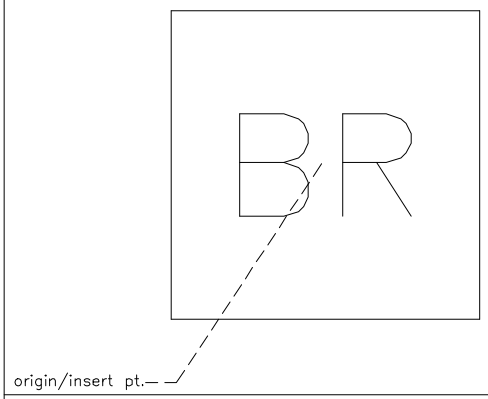
Fire Protection FBELL
Element Type: Symbol
Description: Gong Bell



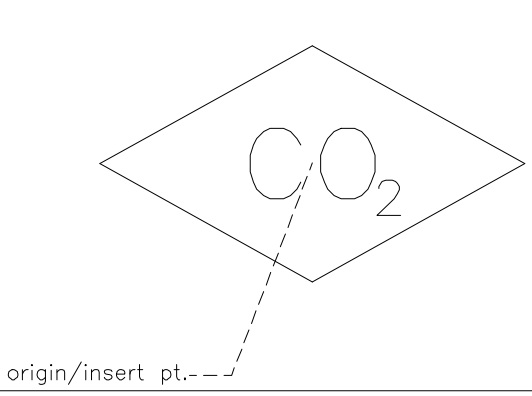
Fire Protection FAVPNL
Element Type: Symbol
Description: Fire Alarm Voice Communication Panel



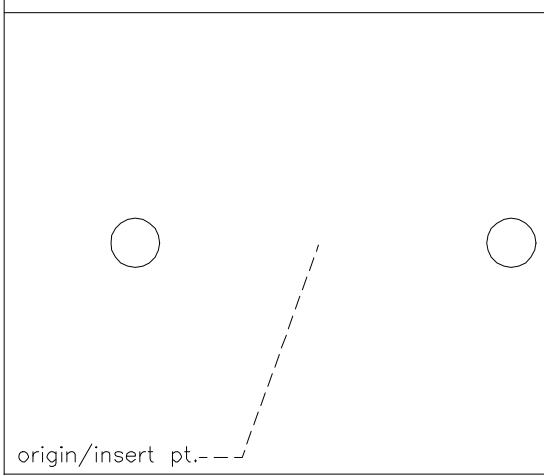
Fire Protection FBOILR
Element Type: Symbol
Description: Boiler



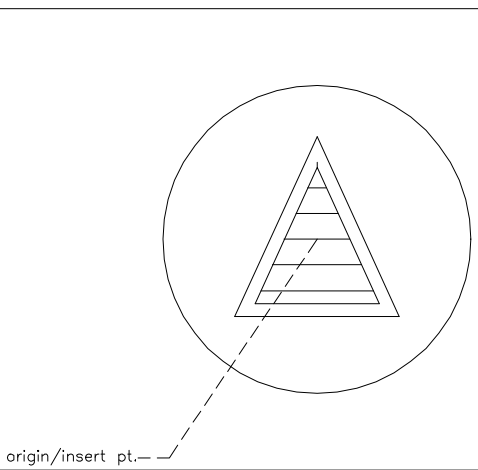
Fire Protection FBOIRM
Element Type: Symbol
Description: Boiler Room



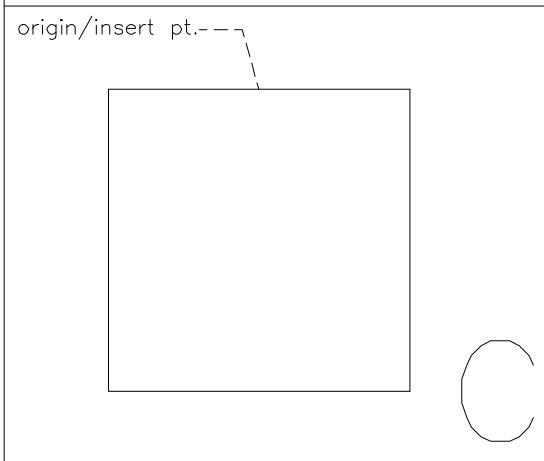
Fire Protection FCASYS
Element Type: Symbol
Description: CO2 System



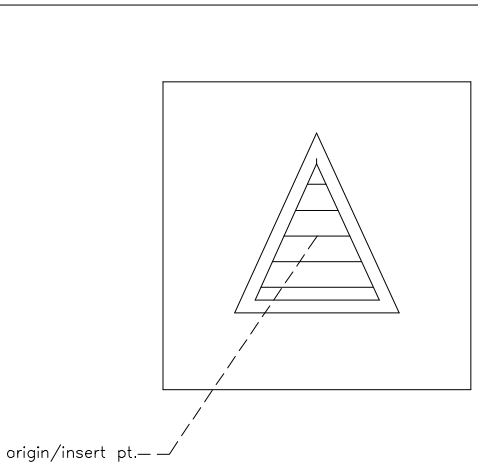
Fire Protection FBRSPR
Element Type: Symbol
Description: Sprinkler Branch Heads



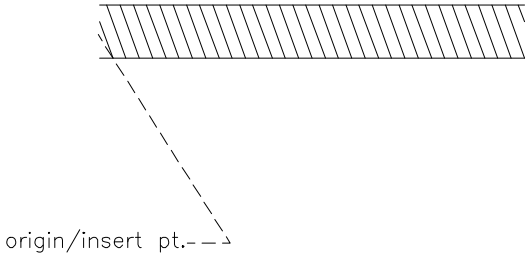
Fire Protection FCDAAS
Element Type: Symbol
Description: CO2 Auto. Actuated Extinguisher



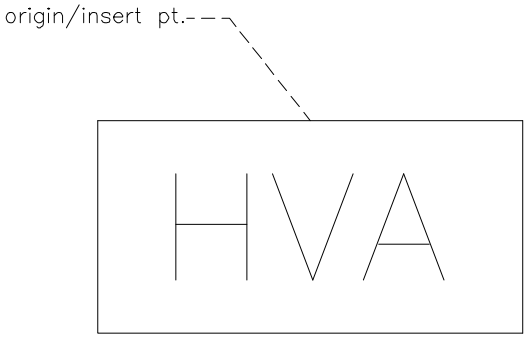
Fire Protection FCARDI
Element Type: Symbol
Description: Manual Carbon Dioxide Station



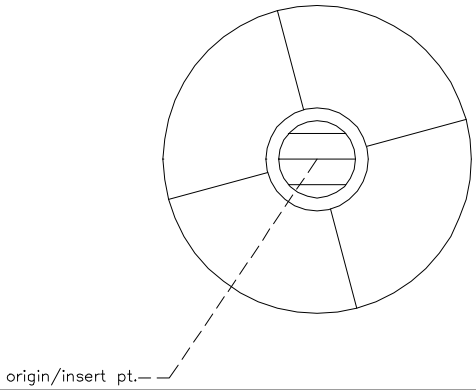
Fire Protection FCDMAS
Element Type: Symbol
Description: CO2 Manually Actuated Extinguisher



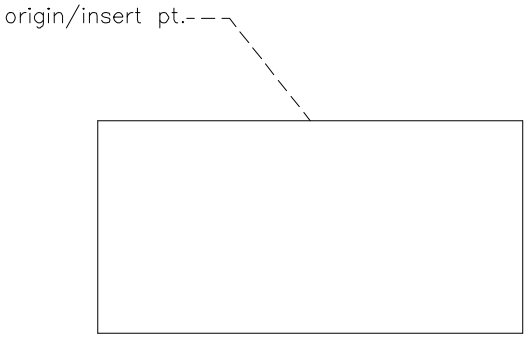
Fire Protection FCFSBR
Element Type: Symbol
Description: Combination Fire/Smoke Barrier



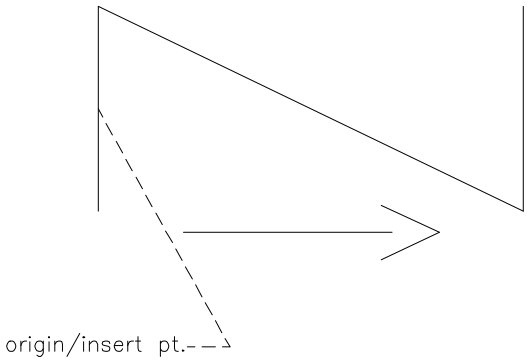
Fire Protection FCNPNL
Element Type: Symbol
Description: Panel Control for Heating, Vent, A.C.



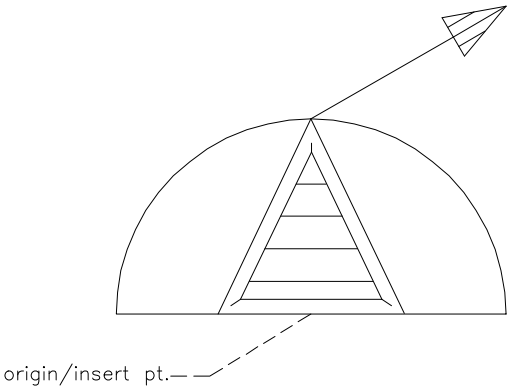
Fire Protection FCHMNY
Element Type: Symbol
Description: Chimney



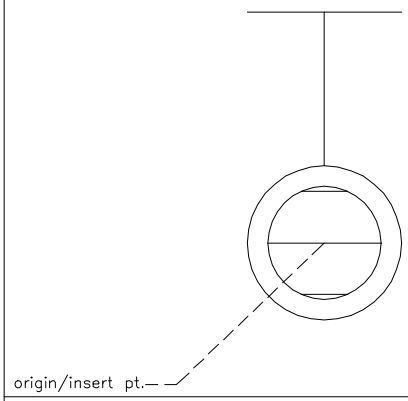
Fire Protection FCPANL
Element Type: Symbol
Description: Control Panel



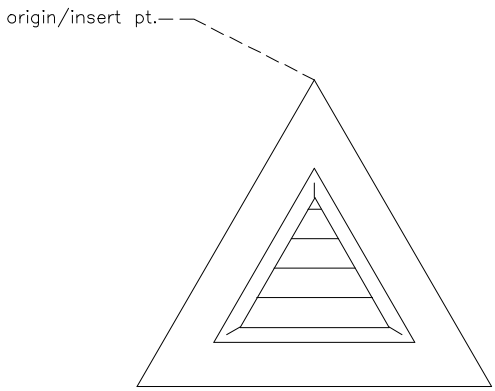
Fire Protection FCHVLV
Element Type: Symbol
Description: Check Valve



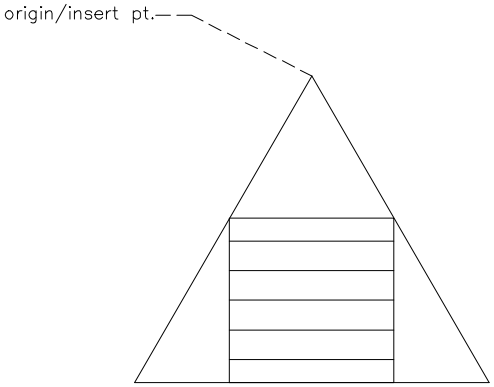
Fire Protection FCRSTA
Element Type: Symbol
Description: Reel CO2 Station



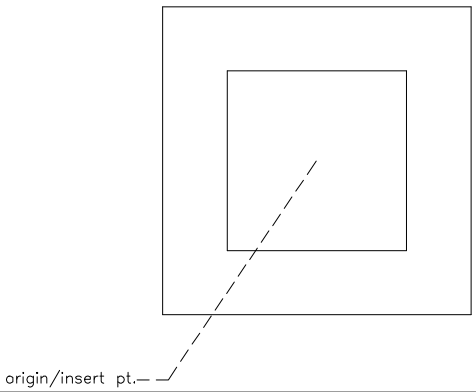
Fire Protection FCTVLV
Element Type: Symbol
Description: Control Valve



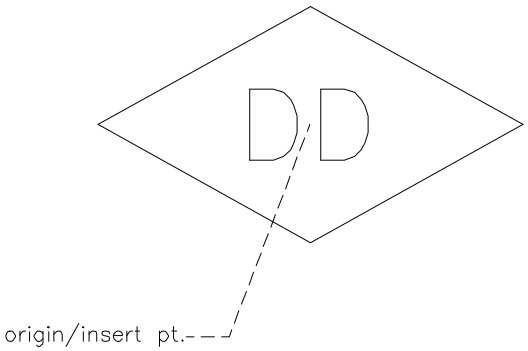
Fire Protection FDCEXT
Element Type: Symbol
Description: CO2 Extinguisher



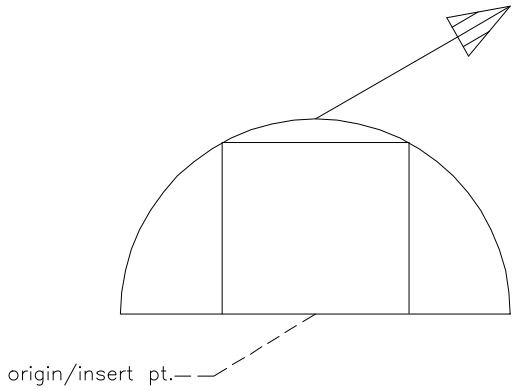
Fire Protection FDAEXT
Element Type: Symbol
Description: Dry Chemical Fire Extinguisher



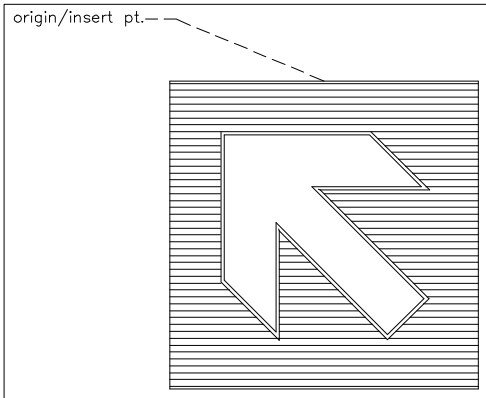
Fire Protection FDCMAS
Element Type: Symbol
Description: Manually Actuated Extinguisher



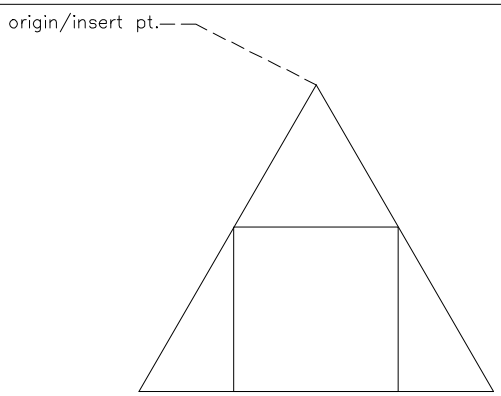
Fire Protection FDCDET
Element Type: Symbol
Description: Duct Detector



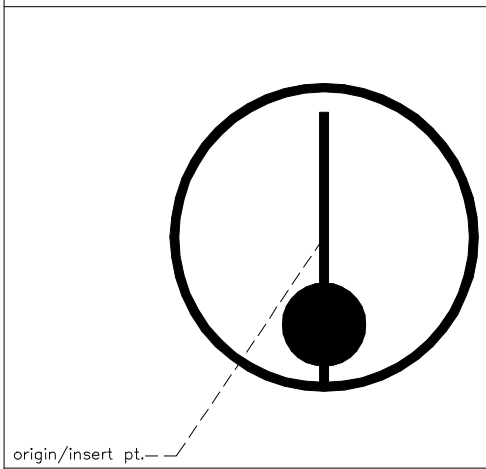
Fire Protection FDCSTA
Element Type: Symbol
Description: Dry Chemical Station Reel



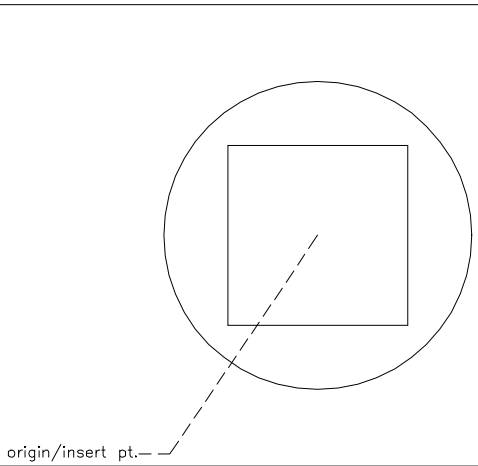
Fire Protection FDDARR
Element Type: Symbol
Description: Diagonal Directional Arrow



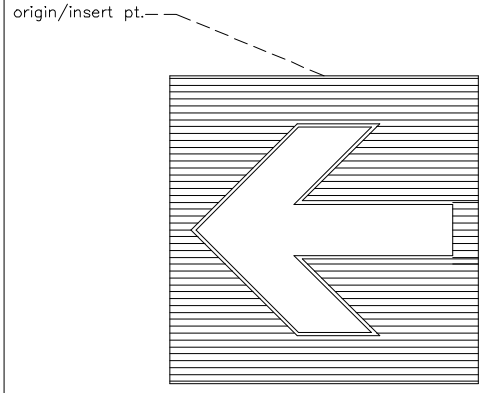
Fire Protection FDLEXT
Element Type: Symbol
Description: Dry Chemical Extinguisher



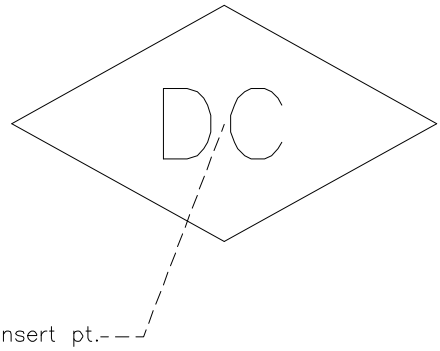
Fire Protection FDETHT
Element Type: Symbol
Description: Thermal Heat Detector



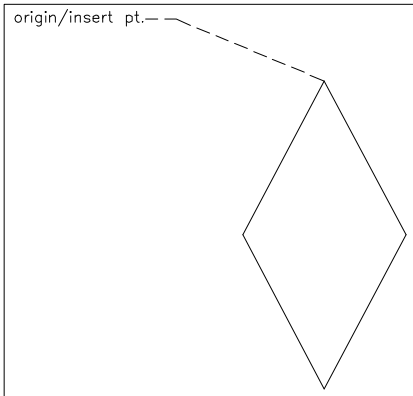
Fire Protection FDLGES
Element Type: Symbol
Description: Auto. Actuated Extinguisher



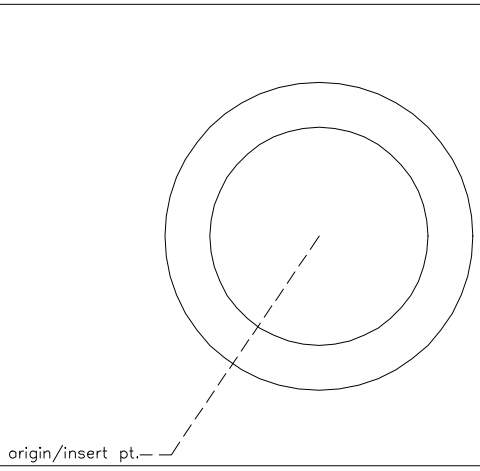
Fire Protection FDIARR
Element Type: Symbol
Description: Directional Arrow



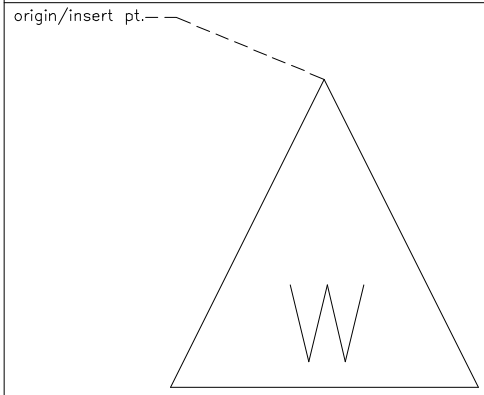
Fire Protection FDLSYS
Element Type: Symbol
Description: Dry Chemical System



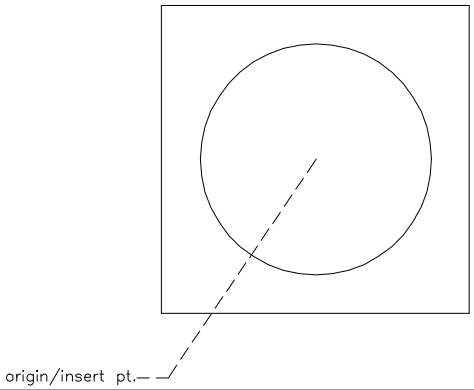
Fire Protection FDLVLV
Element Type: Symbol
Description: Deluge Valve



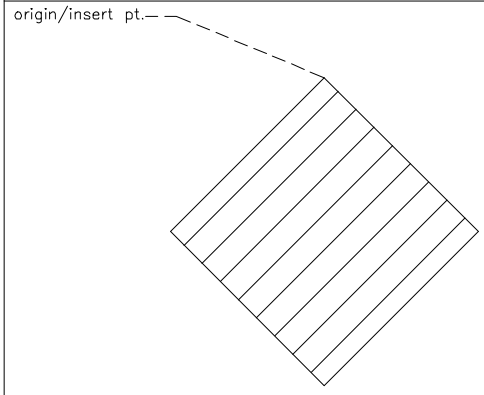
Fire Protection FDRAAS
Element Type: Symbol
Description: Dry Auto. Actuated Extinguishing System



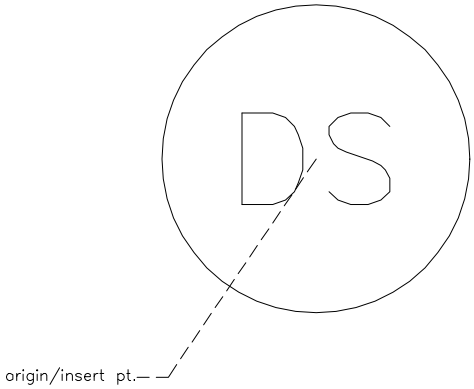
Fire Protection FDMSHT
Element Type: Symbol
Description: Domestic Water Shutoff



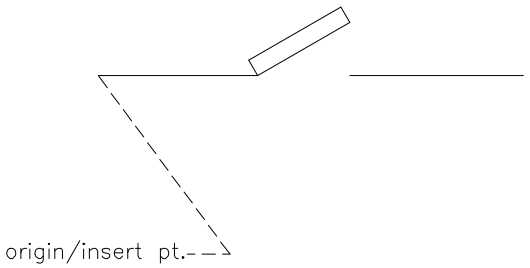
Fire Protection FDRMAS
Element Type: Symbol
Description: Dry Manually Actuated Extinguishing System



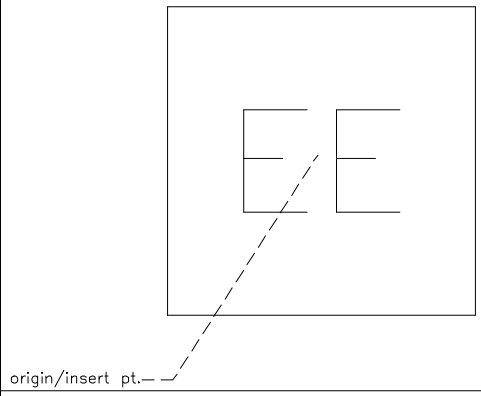
Fire Protection FDPVLV
Element Type: Symbol
Description: Dry Pipe Valve



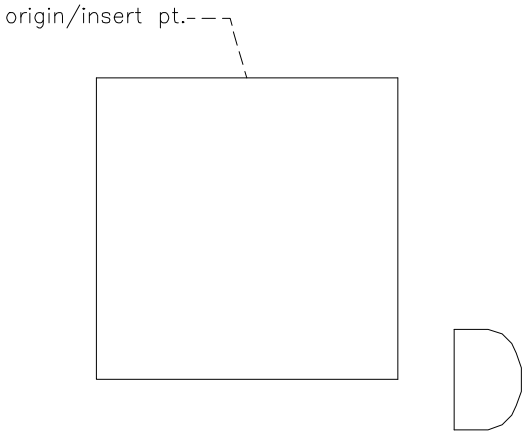
Fire Protection FDRSIT
Element Type: Symbol
Description: Drafting Site



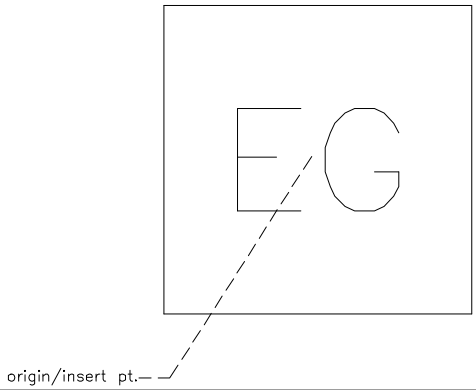
Fire Protection FDRWAL
Element Type: Symbol
Description: 3 Hour Rated Fire Door in Wall



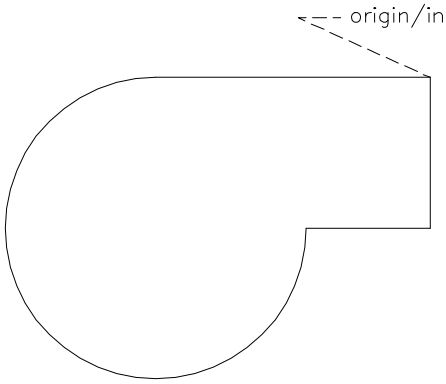
Fire Protection FEEQRM
Element Type: Symbol
Description: Elevator Equipment Room



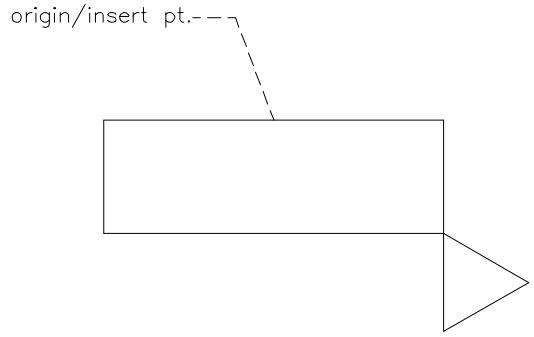
Fire Protection FDRYCH
Element Type: Symbol
Description: Manual Dry Chemical Station



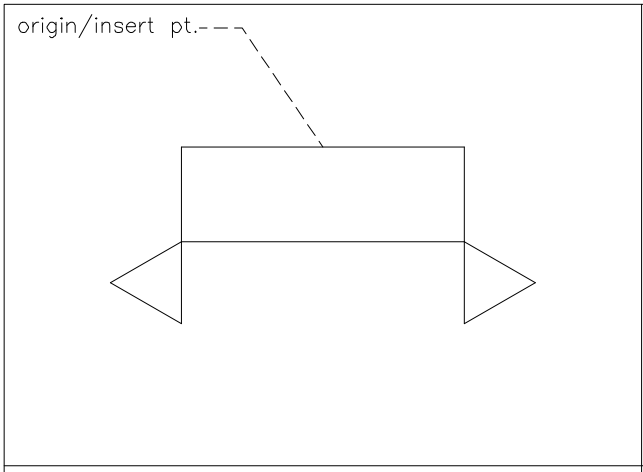
Fire Protection FEGNRM
Element Type: Symbol
Description: Emergency Equipment Room



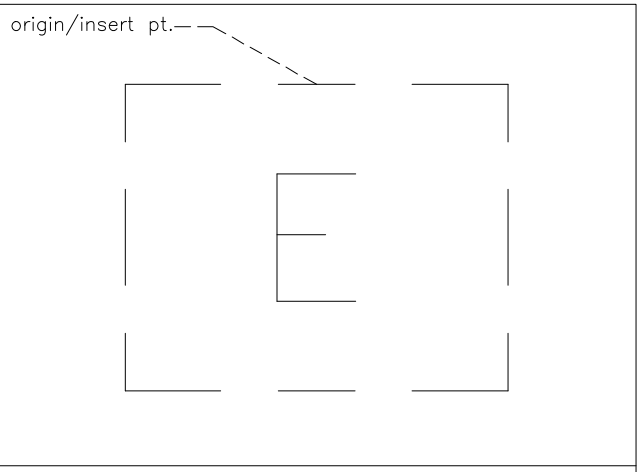
Fire Protection FDUFAN
Element Type: Symbol
Description: Duct Fan



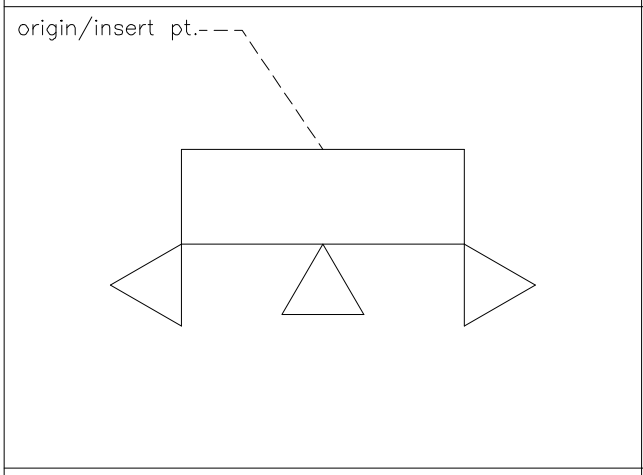
Fire Protection FELBP1
Element Type: Symbol
Description: 1 Lamp Emergency Battery Power Light



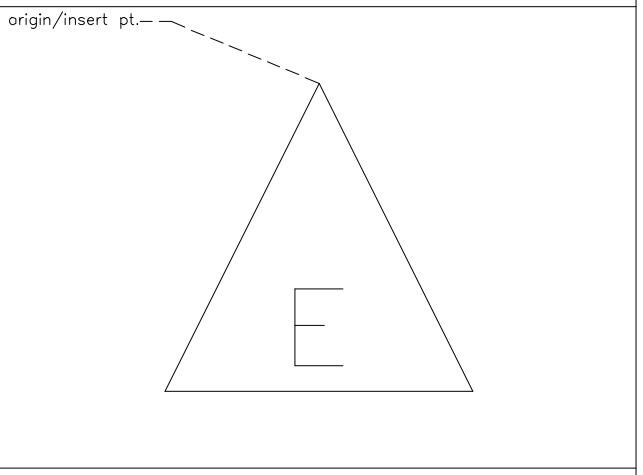
Fire Protection FELBP2
Element Type: Symbol
Description: 2 Lamp Emergency Battery Power Light



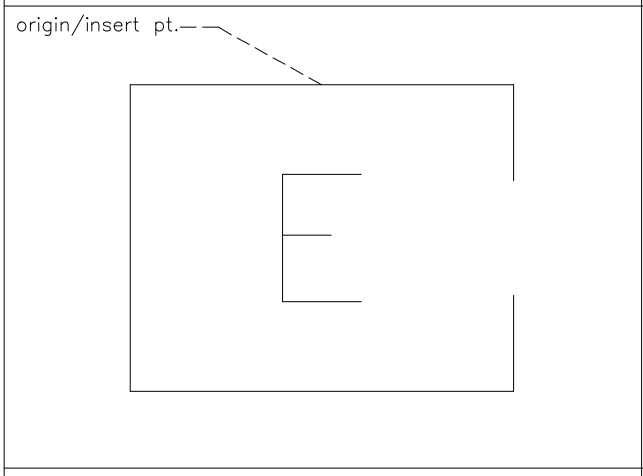
Fire Protection FELSHA
Element Type: Symbol
Description: Elevator in Combustible Shaft



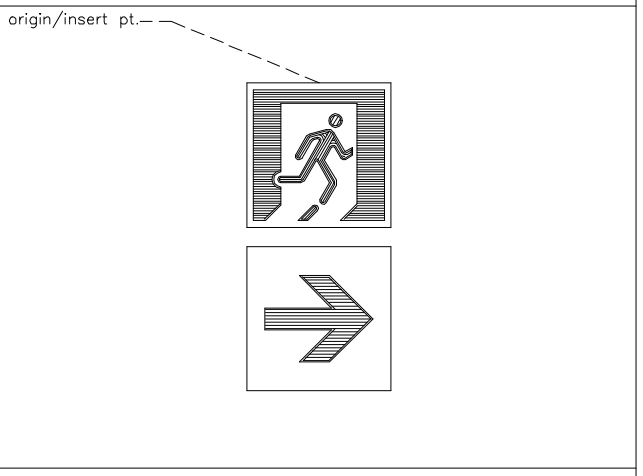
Fire Protection FELBP3
Element Type: Symbol
Description: 3 Lamp Emergency Battery Power Light



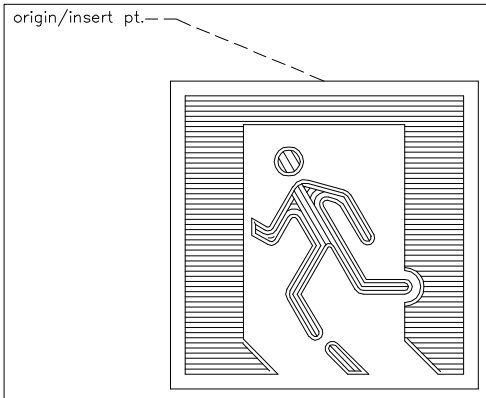
Fire Protection FELSHT
Element Type: Symbol
Description: Electric Shutoff



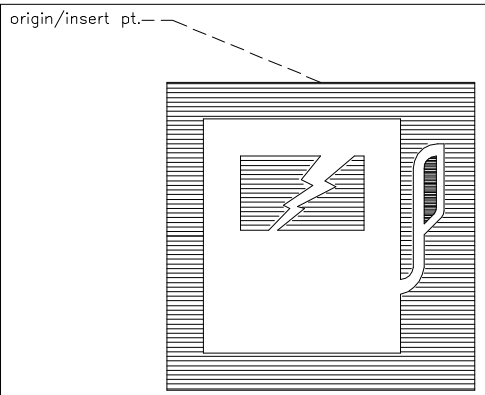
Fire Protection FELNSH
Element Type: Symbol
Description: Elevator in Noncombustible Shaft



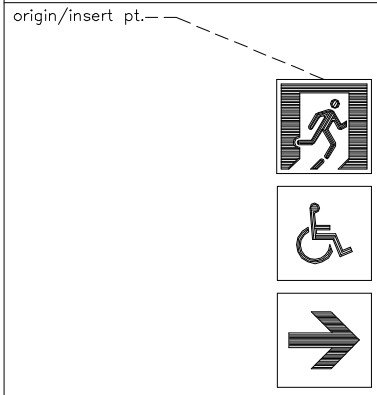
Fire Protection FEMERT
Element Type: Symbol
Description: Emergency Route Exit



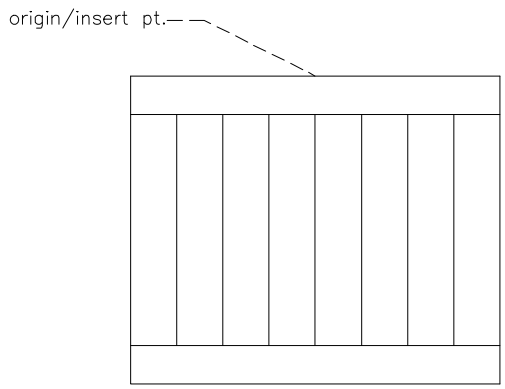
Fire Protection FEMEXT
Element Type: Symbol
Description: Emergency Exit



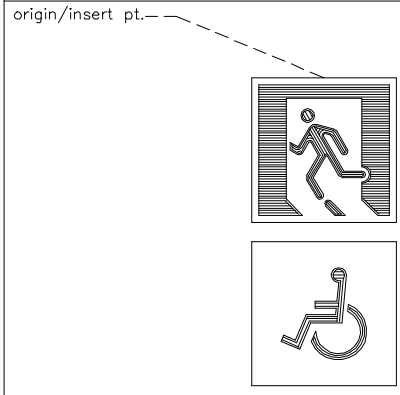
Fire Protection FEPESH
Element Type: Symbol
Description: Electrical Shutoff Panel



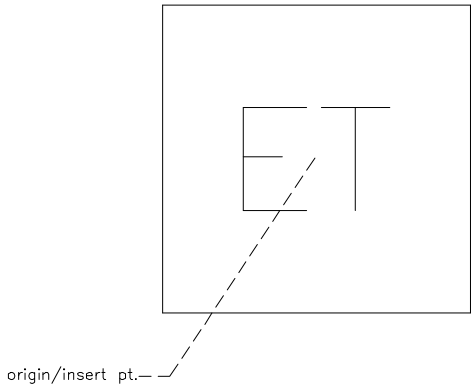
Fire Protection FEMHER
Element Type: Symbol
Description: Handicapped Emergency Route Exit



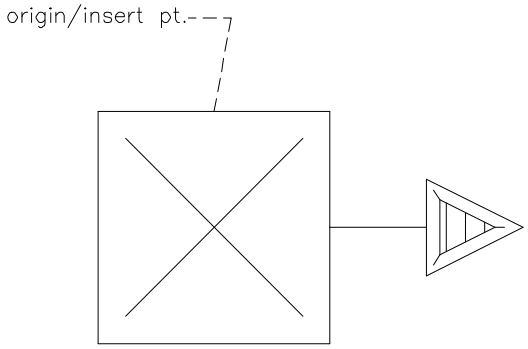
Fire Protection FESCAL
Element Type: Symbol
Description: Escalator



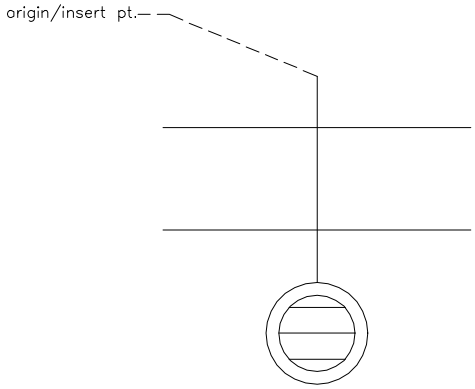
Fire Protection FEMHEX
Element Type: Symbol
Description: Handicapped Emergency Exit



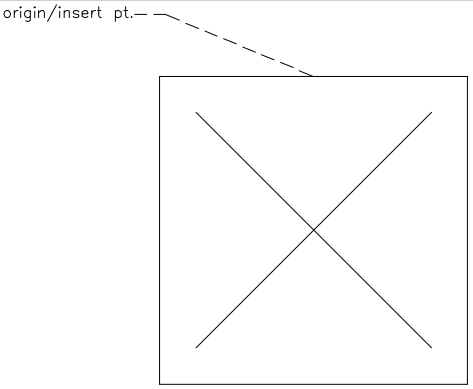
Fire Protection FETRRM
Element Type: Symbol
Description: Electrical Transformer Room



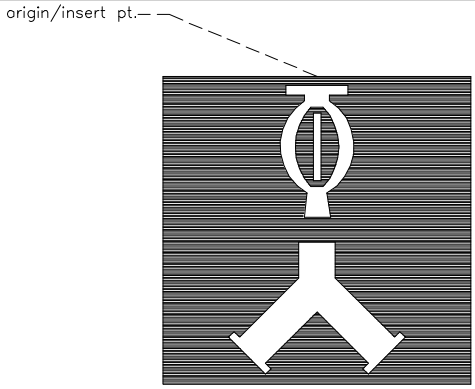
Fire Protection FEXIDA
Element Type: Symbol
Description: Illuminated Directional Arrow Exit Sign



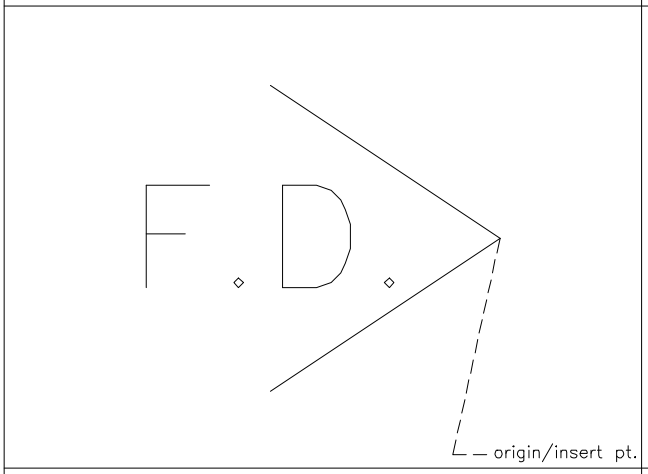
Fire Protection FFDAMP
Element Type: Symbol
Description: Fire Damper (2)



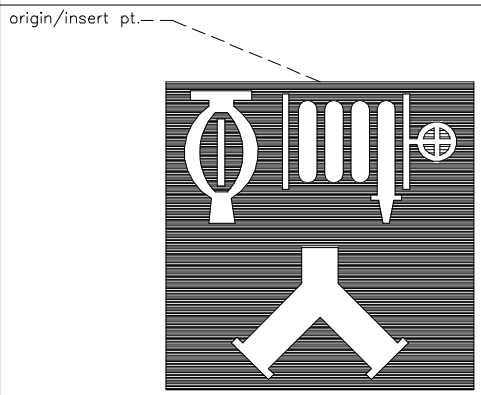
Fire Protection FEXILL
Element Type: Symbol
Description: Illuminated Exit Sign



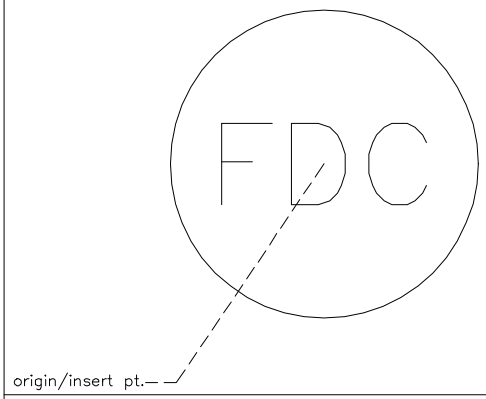
Fire Protection FFDASC
Element Type: Symbol
Description: Fire Dept. Auto. Sprinkler Connection



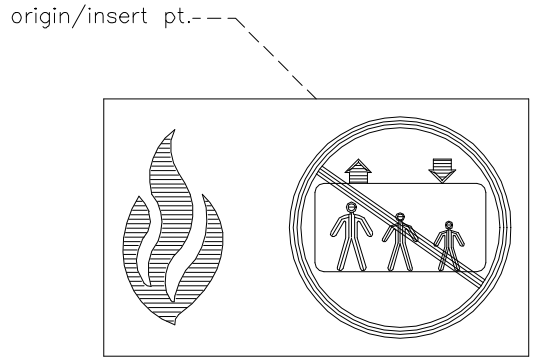
Fire Protection FFDACC
Element Type: Symbol
Description: Fire Department Access



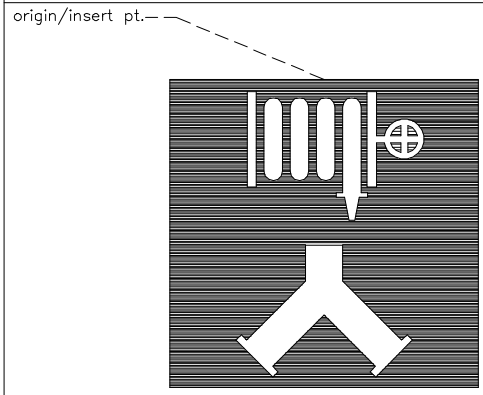
Fire Protection FFDCOM
Element Type: Symbol
Description: Fire Dept. Combined Connection



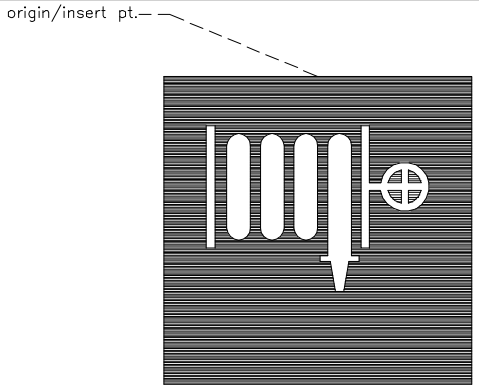
Fire Protection FFDCON
Element Type: Symbol
Description: Fire Department Connection



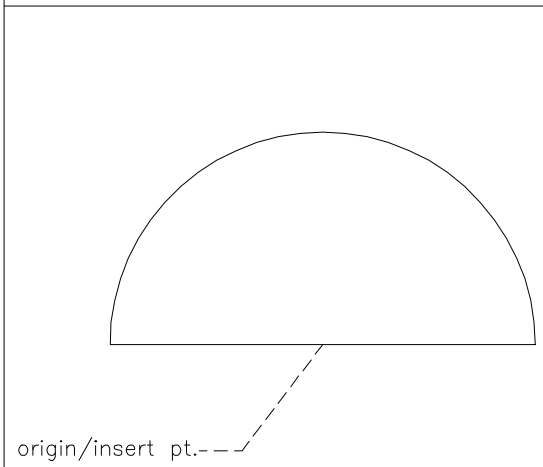
Fire Protection FFELEV
Element Type: Symbol
Description: Do Not Use Elevator in Fire Sign



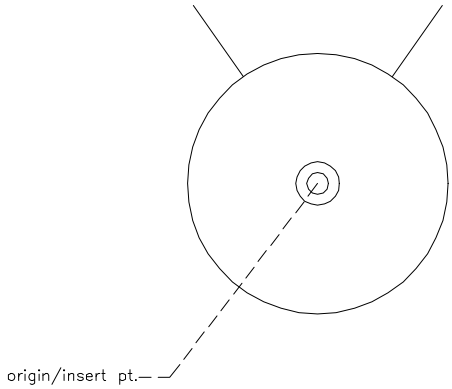
Fire Protection FFDSTC
Element Type: Symbol
Description: Fire Department Standpipe Connection



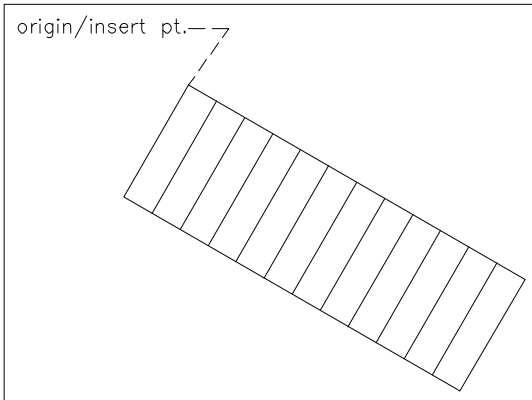
Fire Protection FFFHOS
Element Type: Symbol
Description: Fire Fighting Hose or Standpipe Outlet



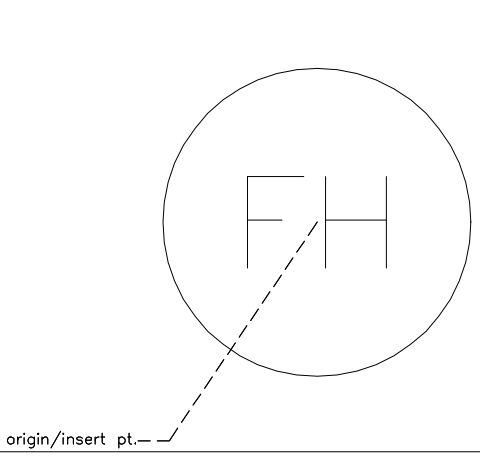
Fire Protection FFEGEN
Element Type: Symbol
Description: Fire Fighting Equipment Generator



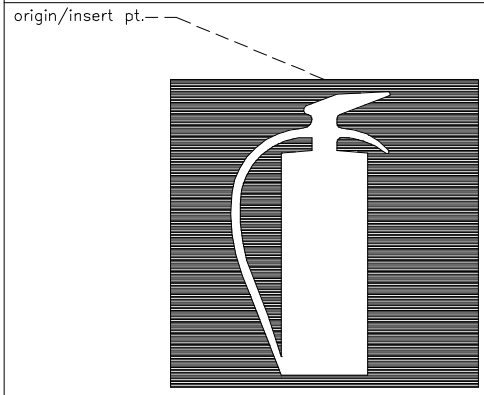
Fire Protection FFHYD
Element Type: Symbol
Description: Fire Hydrant (1)



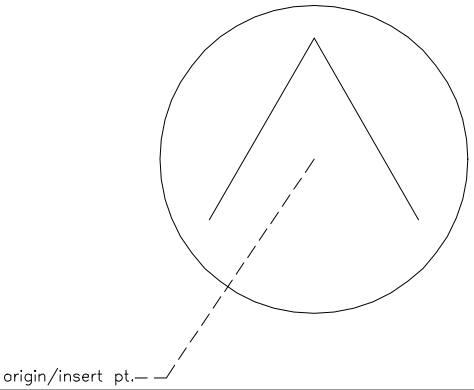
Fire Protection FFIESC
Element Type: Symbol
Description: Fire Escape



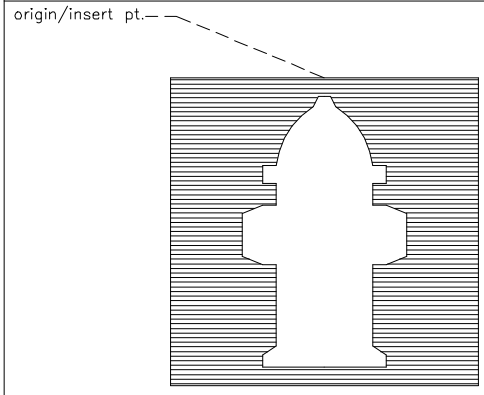
Fire Protection FFIRHY
Element Type: Symbol
Description: Fire Hydrant Pan



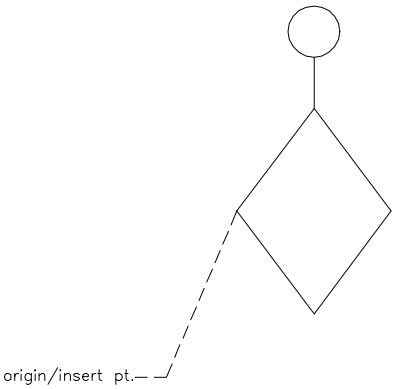
Fire Protection FFIEXT
Element Type: Symbol
Description: Fire Extinguisher



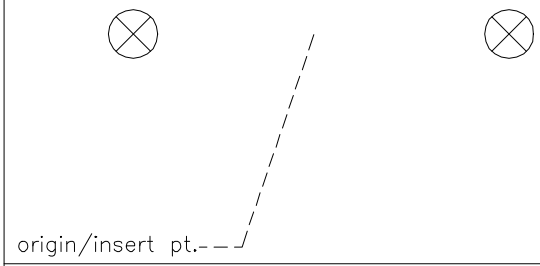
Fire Protection FFLDET
Element Type: Symbol
Description: Flame Flicker Detector



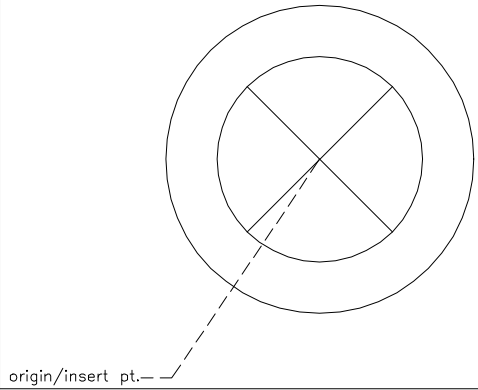
Fire Protection FFIHYD
Element Type: Symbol
Description: Fire Hydrant (2)



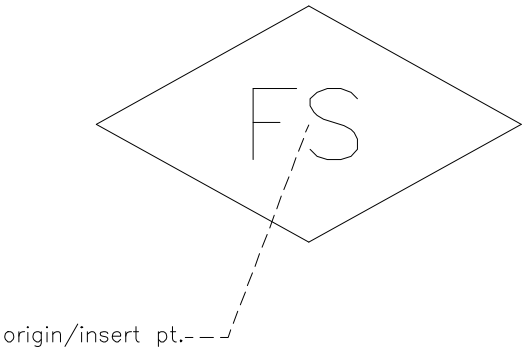
Fire Protection FFLDSW
Element Type: Symbol
Description: Flow Switch Detector



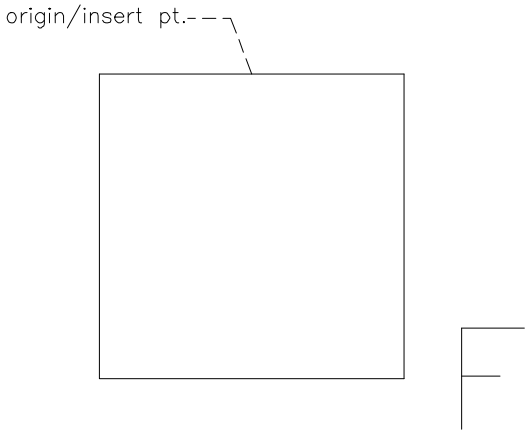
Fire Protection FFLSPR
Element Type: Symbol
Description: Flush Mounted Sprinkler Heads



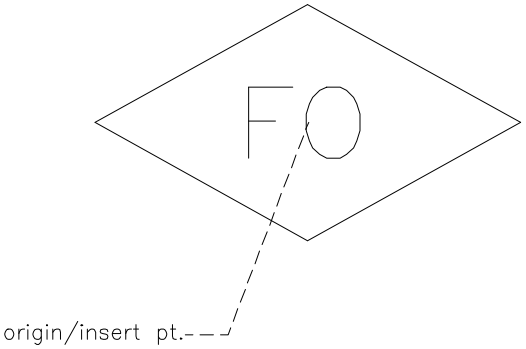
Fire Protection FFOAAS
Element Type: Symbol
Description: Foam Auto. Actuated Extinguishing System



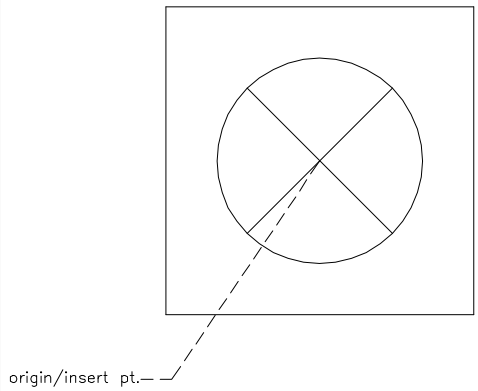
Fire Protection FFLSWI
Element Type: Symbol
Description: Manual Pull Station



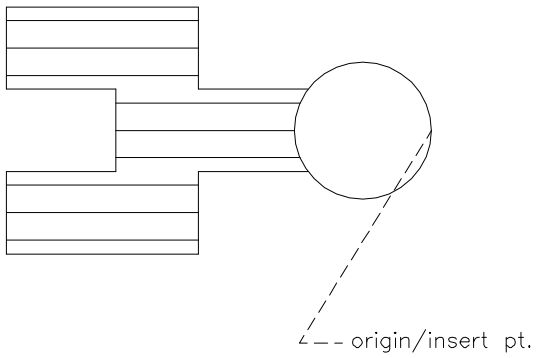
Fire Protection FFOAM
Element Type: Symbol
Description: Manual Foam Station



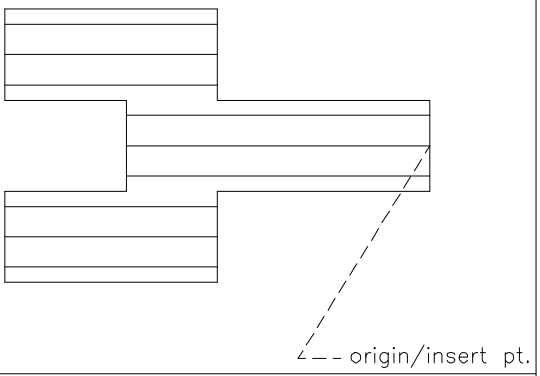
Fire Protection FFMSYS
Element Type: Symbol
Description: Foam System



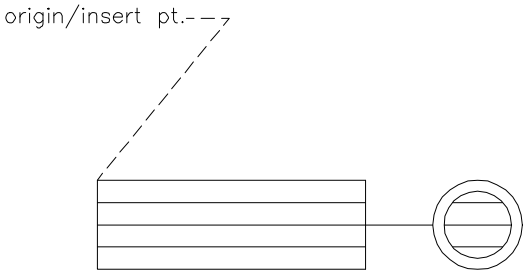
Fire Protection FFOMAS
Element Type: Symbol
Description: Foam Man. Actuated Extinguishing System



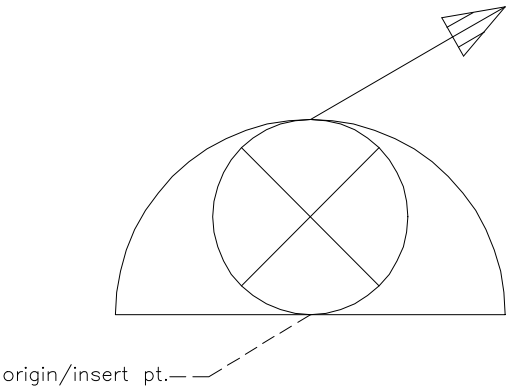
Fire Protection FFPFSH
Element Type: Symbol
Description: Fire Pump Test Header - Free Standing



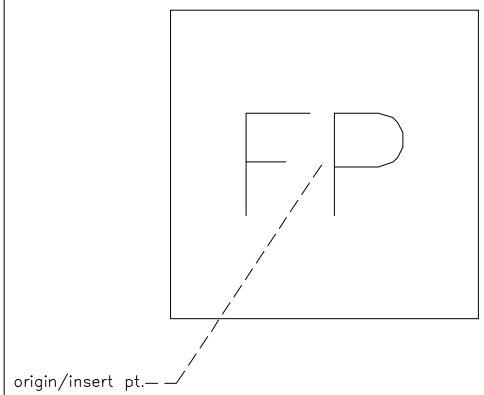
Fire Protection FFPWLH
Element Type: Symbol
Description: Fire Pump Test Header, Wall



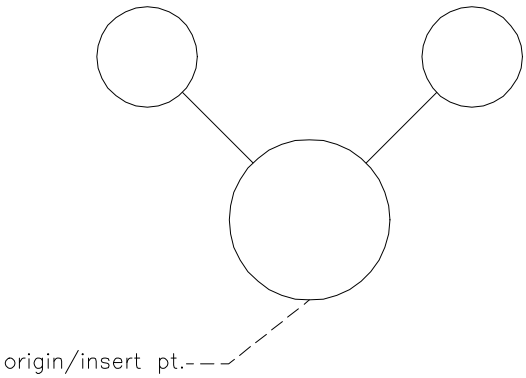
Fire Protection FFPMPD
Element Type: Symbol
Description: Fire Pump w/Drives



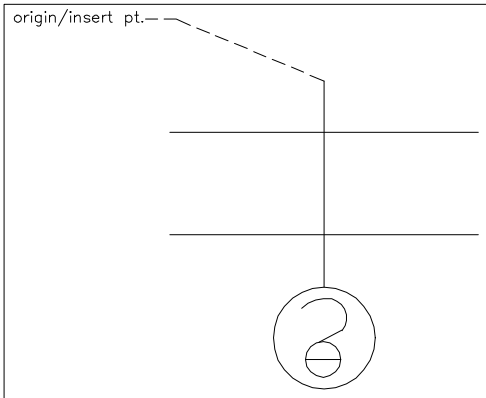
Fire Protection FFRSTA
Element Type: Symbol
Description: Foam Station Reel



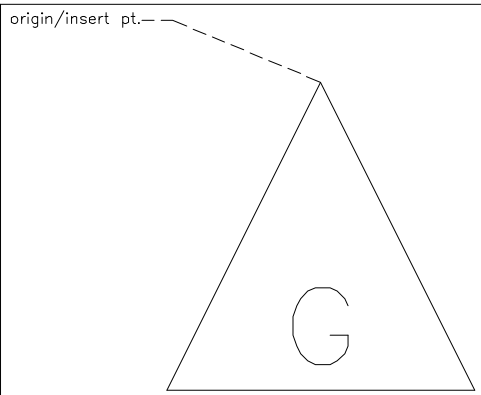
Fire Protection FFPURM
Element Type: Symbol
Description: Fire Pump Room



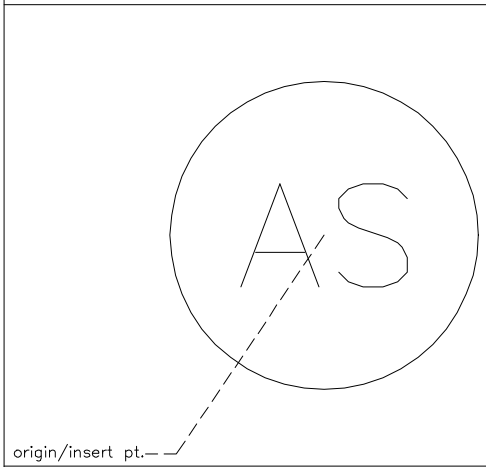
Fire Protection FFSCON
Element Type: Symbol
Description: Fire Dept. Siamese Free Standing Connection



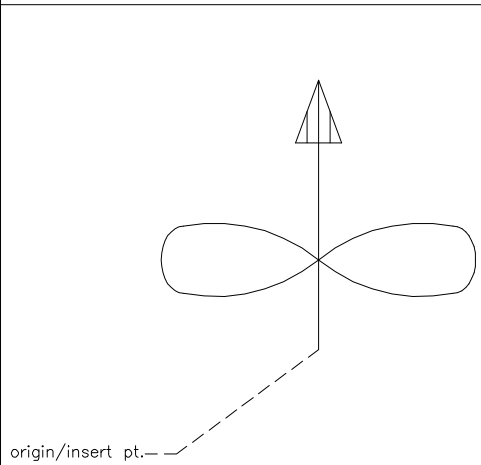
Fire Protection FFSDMP
Element Type: Symbol
Description: Fire Smoke Damper



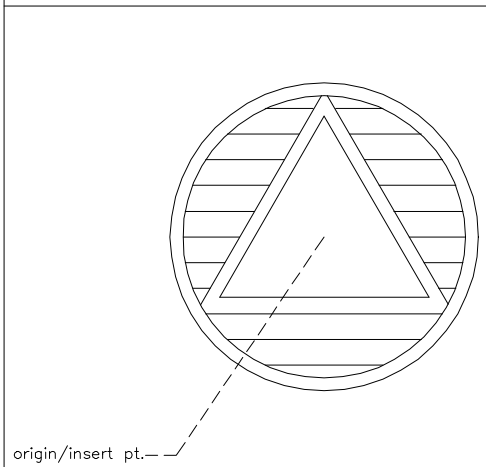
Fire Protection FGASHT
Element Type: Symbol
Description: Gas Shutoff



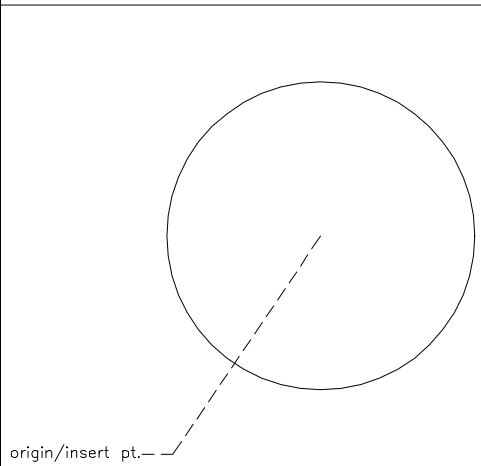
Fire Protection FFSPRS
Element Type: Symbol
Description: Fully Sprinklered Space



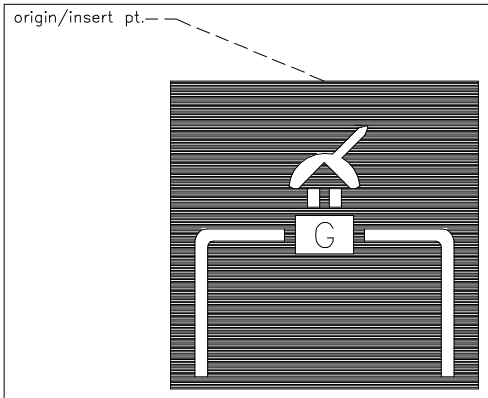
Fire Protection FGNFAN
Element Type: Symbol
Description: General Fan



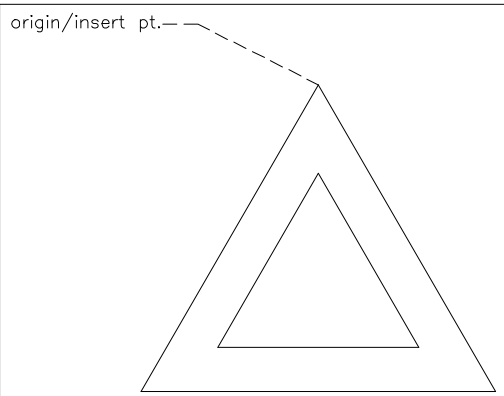
Fire Protection FGADET
Element Type: Symbol
Description: Gas Detect



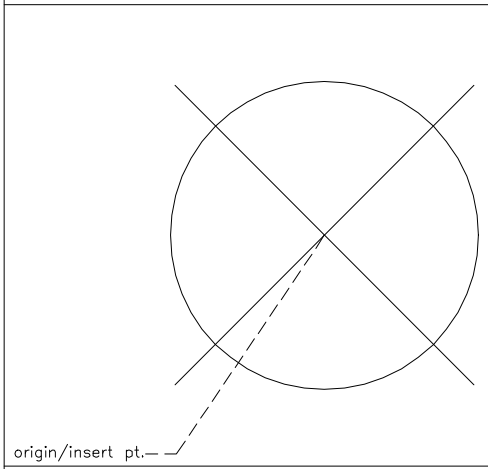
Fire Protection FGNSPR
Element Type: Symbol
Description: General Sprinkler



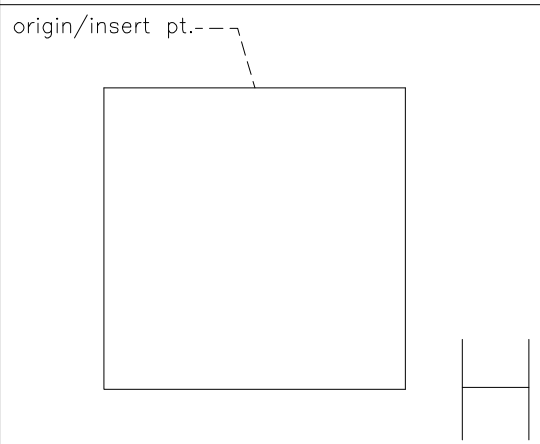
Fire Protection FGSVLV
Element Type: Symbol
Description: Gas Shutoff Valve



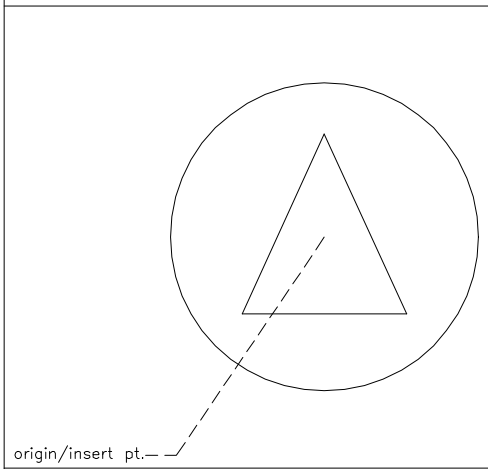
Fire Protection FHAEXT
Element Type: Symbol
Description: Halon Extinguisher



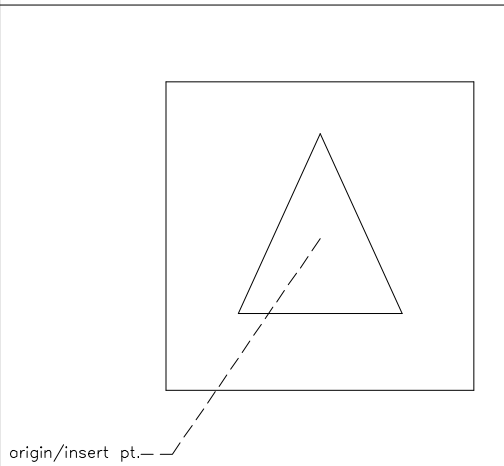
Fire Protection FGUSPR
Element Type: Symbol
Description: Sprinkler w/Guard



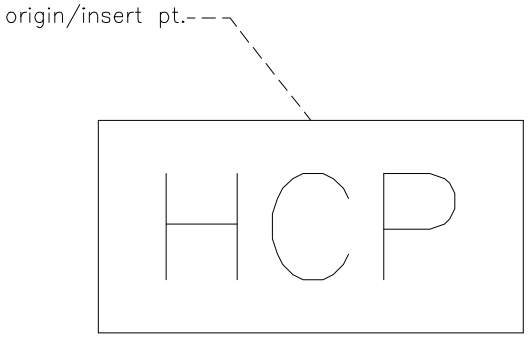
Fire Protection FHALON
Element Type: Symbol
Description: Manual Halon Station



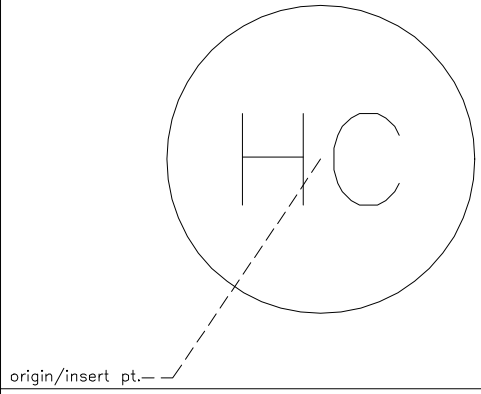
Fire Protection FHAAAS
Element Type: Symbol
Description: Auto. Act. Halon Extinguisher



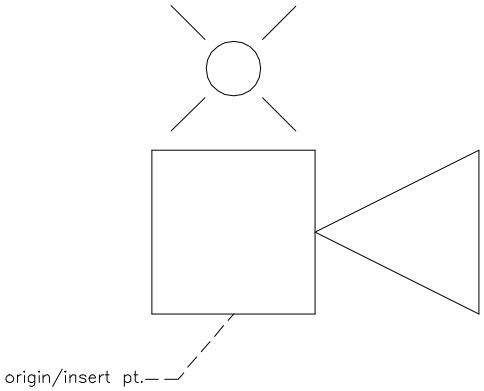
Fire Protection FHAMAS
Element Type: Symbol
Description: Halon Man. Actuated Extinguisher



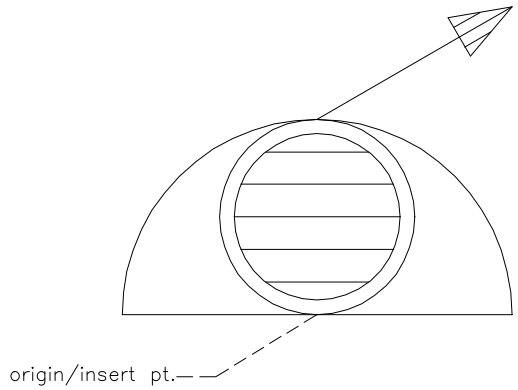
Fire Protection FHCPNL
Element Type: Symbol
Description: Halon Control Panel



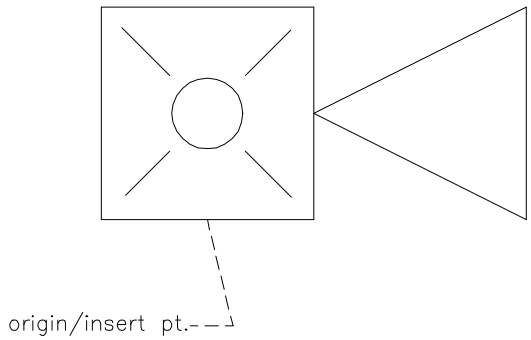
Fire Protection FHSCAB
Element Type: Symbol
Description: Hose Cabinet or Connection



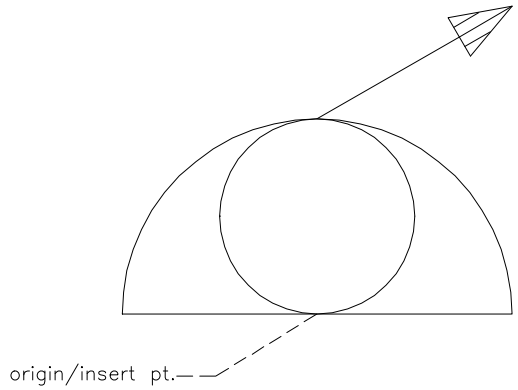
Fire Protection FHRLT1
Element Type: Symbol
Description: Separate Assembly Horn/Light



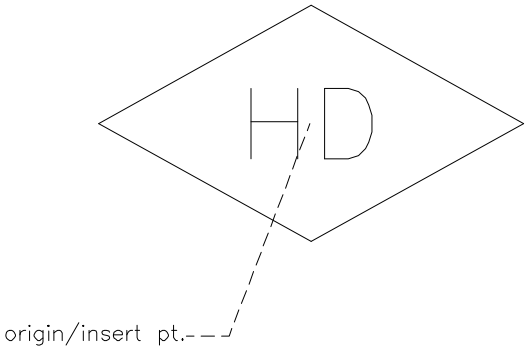
Fire Protection FHSCHS
Element Type: Symbol
Description: Hose Cabinet Charged Standpipe



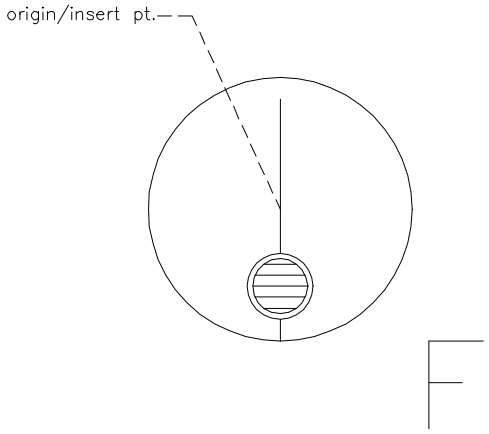
Fire Protection FHRLT2
Element Type: Symbol
Description: One Assembly Horn/Light



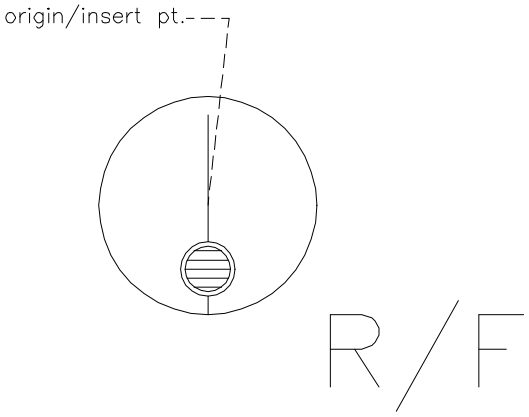
Fire Protection FHSDRS
Element Type: Symbol
Description: Dry Standpipe Hose Station



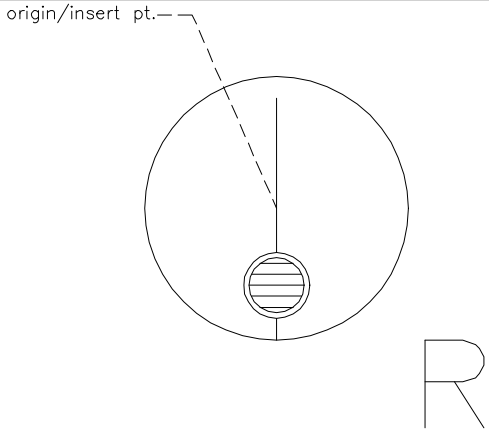
Fire Protection FHTDET
Element Type: Symbol
Description: Heat Detector



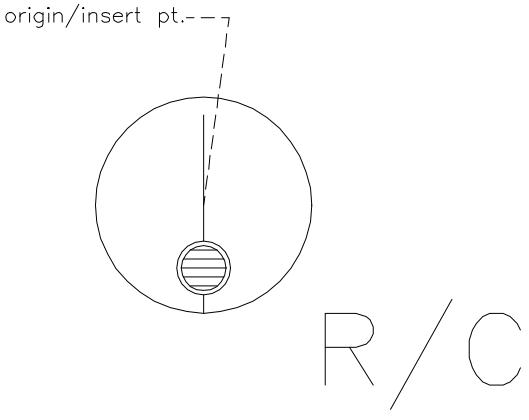
Fire Protection FHTDT3
Element Type: Symbol
Description: Fixed Temperature Heat Detector



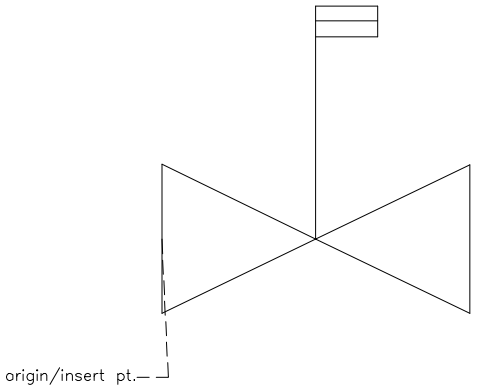
Fire Protection FHTDT1
Element Type: Symbol
Description: Combination Heat Detector



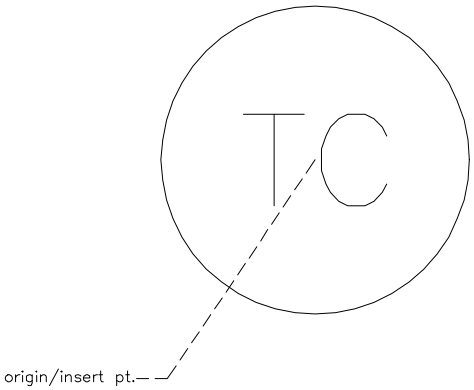
Fire Protection FHTDT4
Element Type: Symbol
Description: Rate of Rise Heat Detector



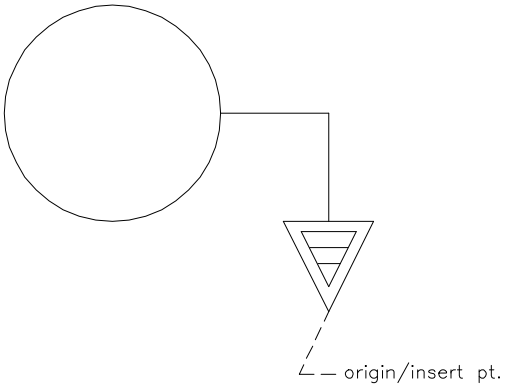
Fire Protection FHTDT2
Element Type: Symbol
Description: Heat Rate Compensation Detector



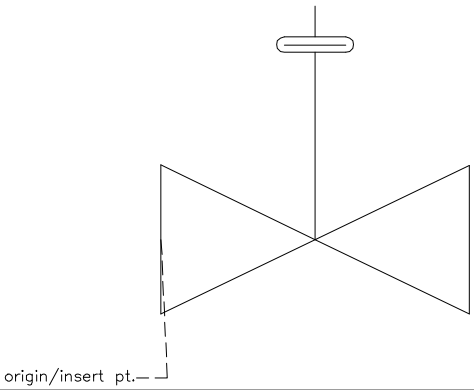
Fire Protection FIBVLV
Element Type: Symbol
Description: Indicating Butterfly Valve



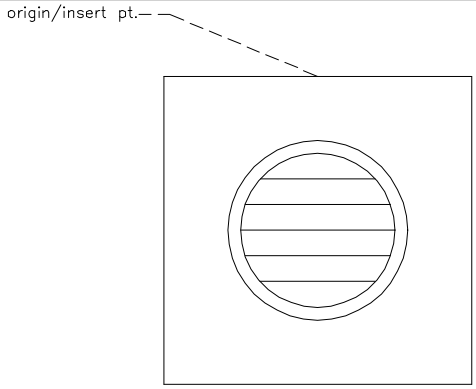
Fire Protection FITCON
Element Type: Symbol
Description: Inspector's Test Connection



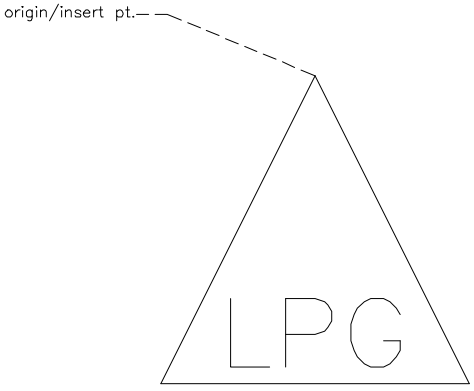
Fire Protection FLVDSW
Element Type: Symbol
Description: Level Detector Switch



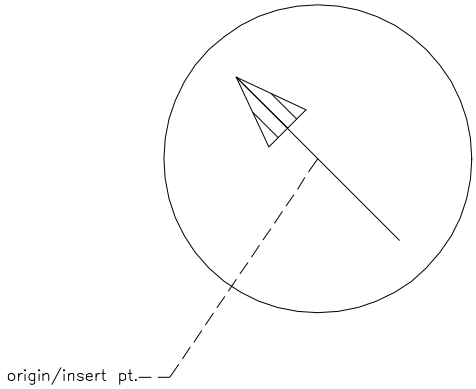
Fire Protection FKOVLV
Element Type: Symbol
Description: Key Operated Valve



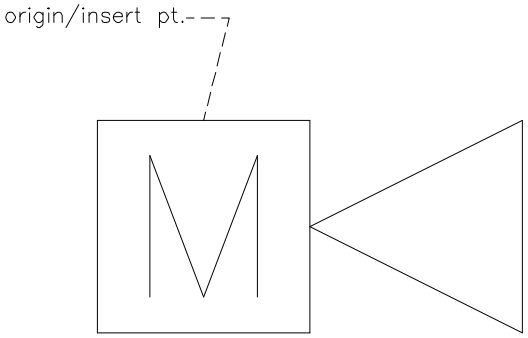
Fire Protection FMANAL
Element Type: Symbol
Description: Manual Alarm Box



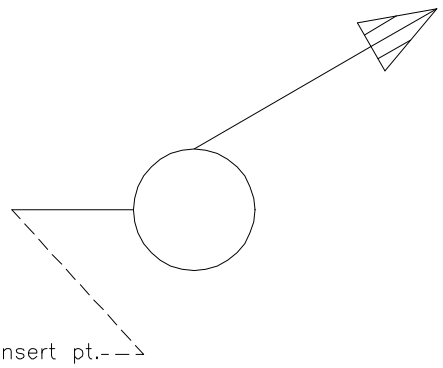
Fire Protection FLPSHT
Element Type: Symbol
Description: LP Gas Shutoff



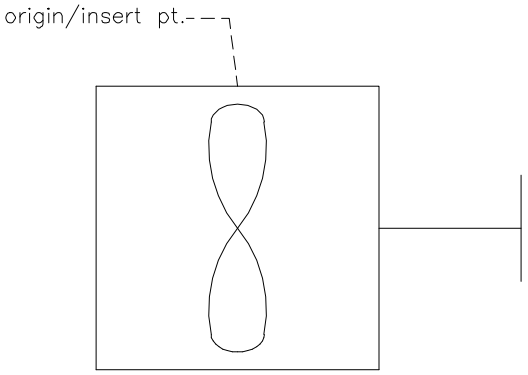
Fire Protection FMETER
Element Type: Symbol
Description: Meter



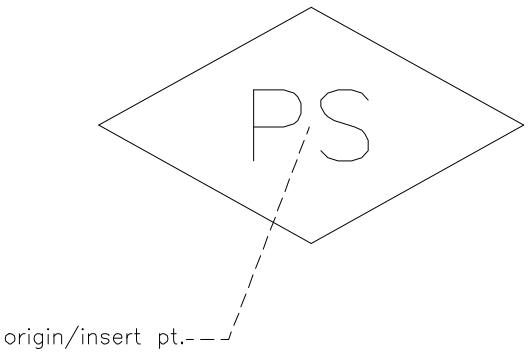
Fire Protection FMIHRN
Element Type: Symbol
Description: Mini Horn



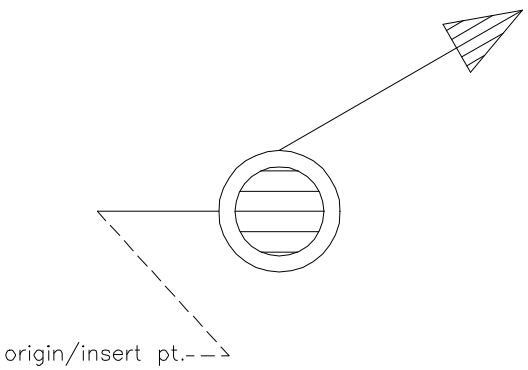
Fire Protection FMNOZD
Element Type: Symbol
Description: Dry Monitor Nozzle



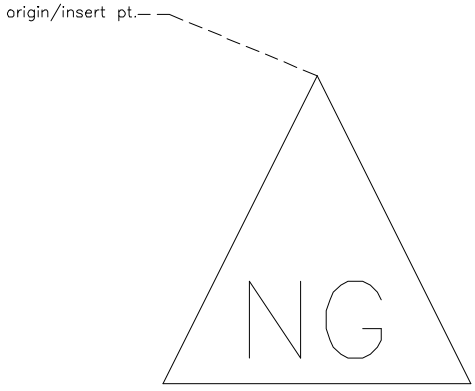
Fire Protection FMNCON
Element Type: Symbol
Description: Manual Control



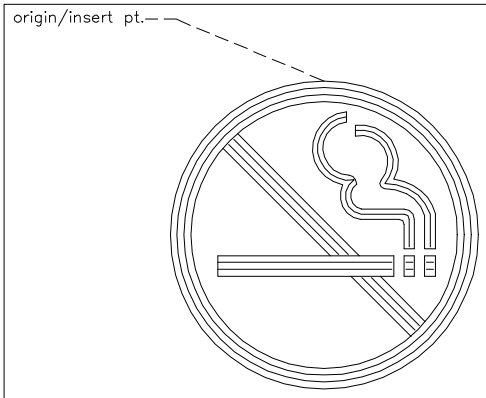
Fire Protection FMPSTA
Element Type: Symbol
Description: Water Flow Switch



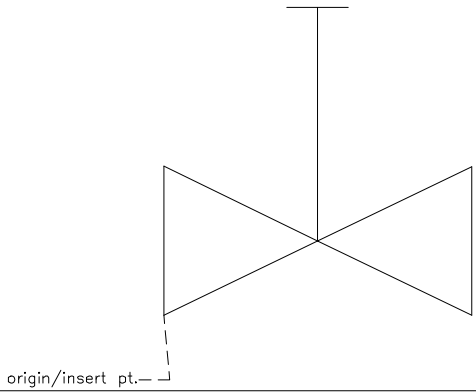
Fire Protection FMNOZC
Element Type: Symbol
Description: Charged Monitor Nozzle



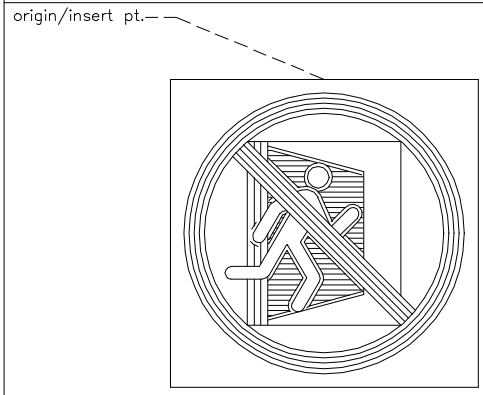
Fire Protection FNASHT
Element Type: Symbol
Description: Natural Gas Shutoff



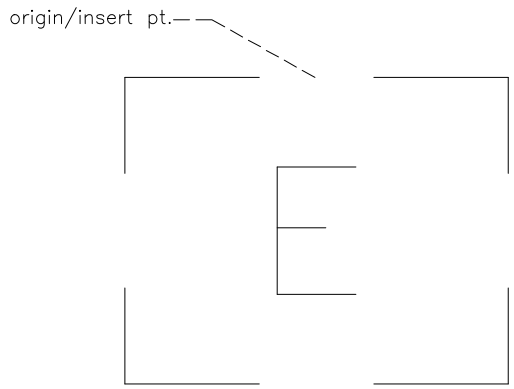
Fire Protection FNOSMK
Element Type: Symbol
Description: No Smoking



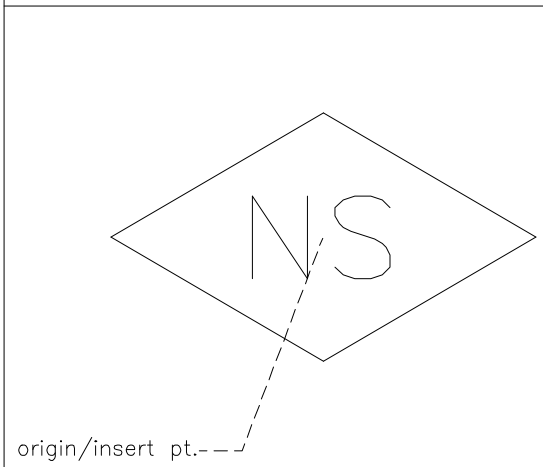
Fire Protection FNSVLV
Element Type: Symbol
Description: Nonindicating Nonrising Stem Valve



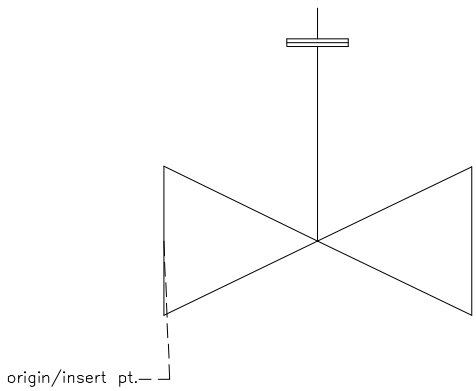
Fire Protection FNOTEX
Element Type: Symbol
Description: Not an Exit



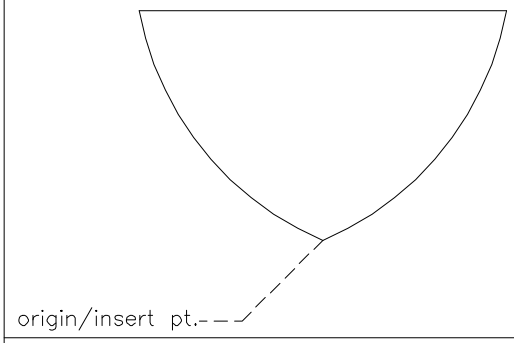
Fire Protection FOPHST
Element Type: Symbol
Description: Open Hoistway



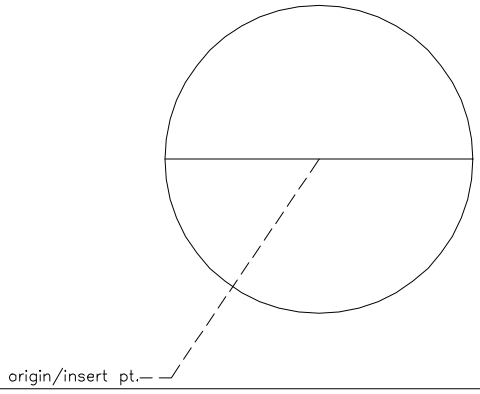
Fire Protection FNSPRS
Element Type: Symbol
Description: Non-Sprinklered Space



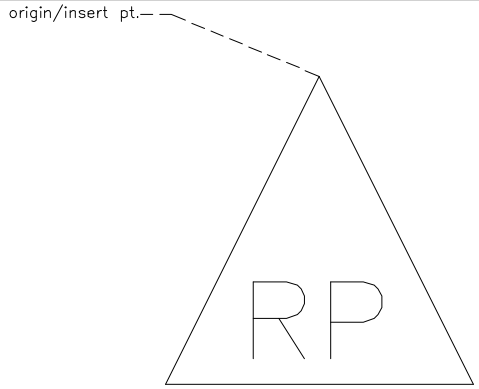
Fire Protection FOSVLV
Element Type: Symbol
Description: OS&Y Rising Stem Valve



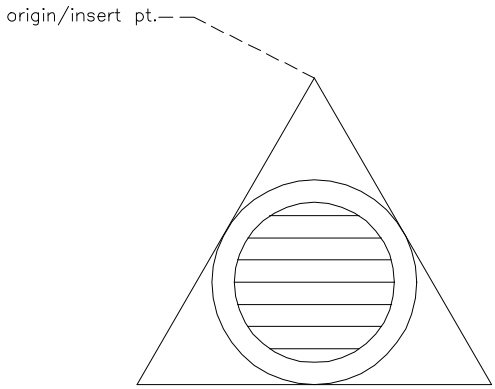
Fire Protection FOUSPR
Element Type: Symbol
Description: Outside Sprinkler



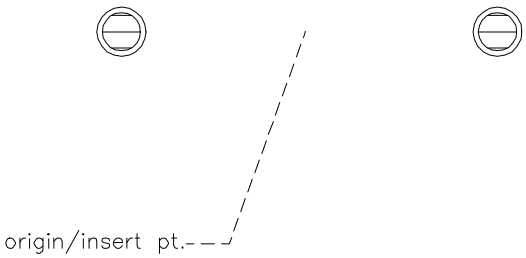
Fire Protection FPESPR
Element Type: Symbol
Description: Pendant Sprinkler



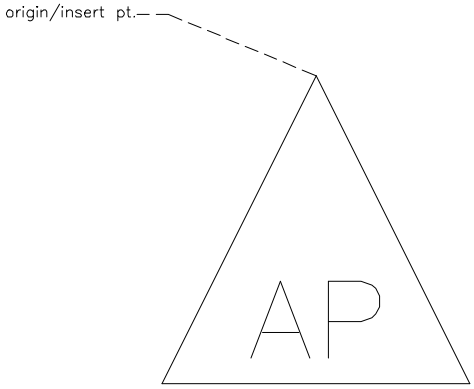
Fire Protection FPAPNL
Element Type: Symbol
Description: Fire Alarm Reset Panel



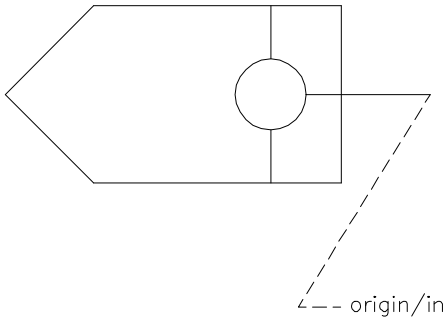
Fire Protection FPFEXT
Element Type: Symbol
Description: Foam Extinguisher



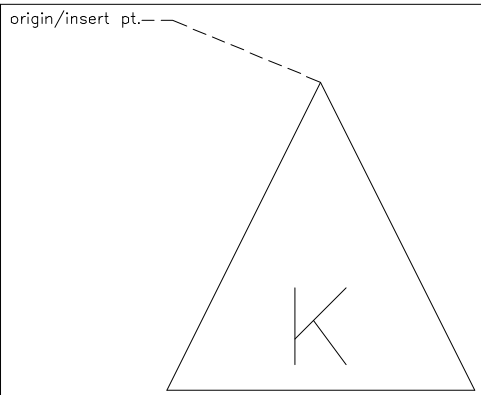
Fire Protection FPDSPR
Element Type: Symbol
Description: Pendant Head Sprinklers



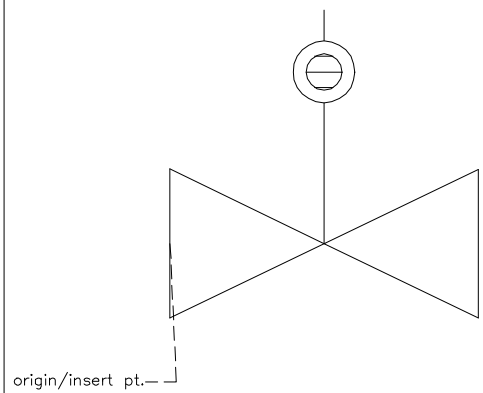
Fire Protection FPFPNL
Element Type: Symbol
Description: Fire Alarm Annunciator Panel



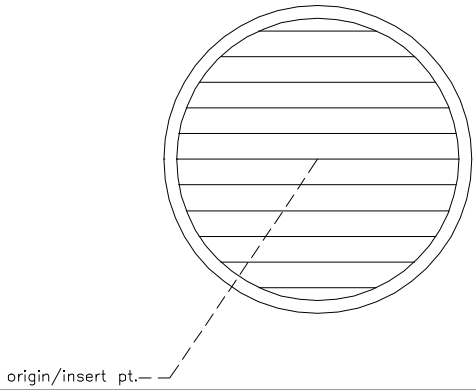
Fire Protection FPHHYD
Element Type: Symbol
Description: Private Housed Hydrant



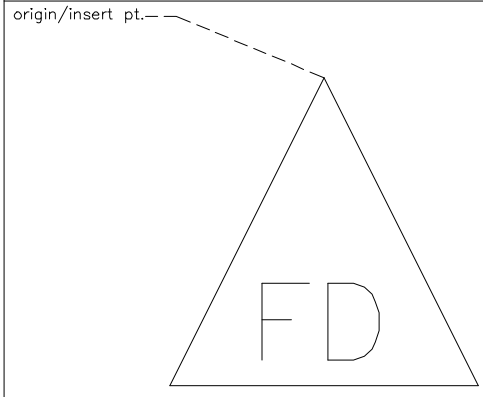
Fire Protection FPLKEY
Element Type: Symbol
Description: Fire Department Key Box



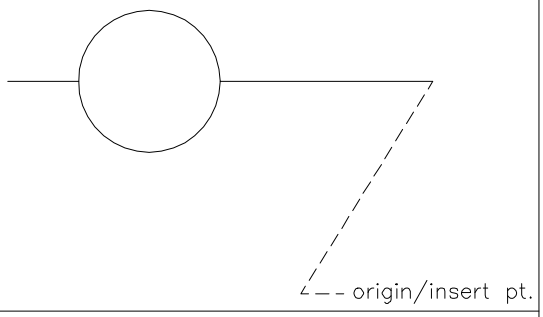
Fire Protection FPIVLV
Element Type: Symbol
Description: Indicator Post Valve



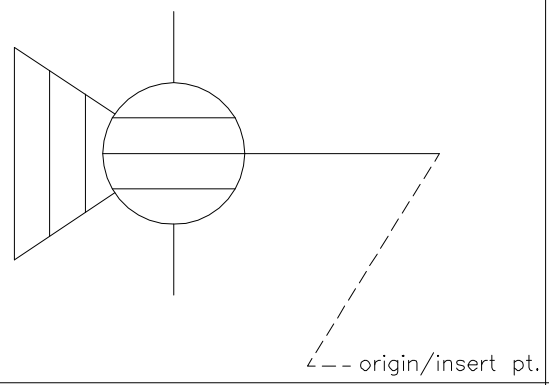
Fire Protection FPNSPR
Element Type: Symbol
Description: Pendant Sprinkler, on Drop Nipple



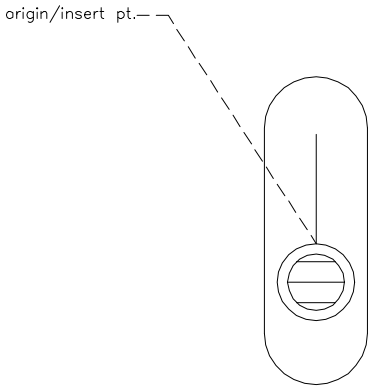
Fire Protection FPLACC
Element Type: Symbol
Description: Fire Department Access Point



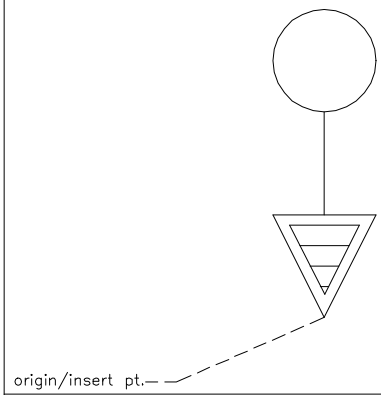
Fire Protection FPOHYD
Element Type: Symbol
Description: Private One-Hose Outlet Hydrant



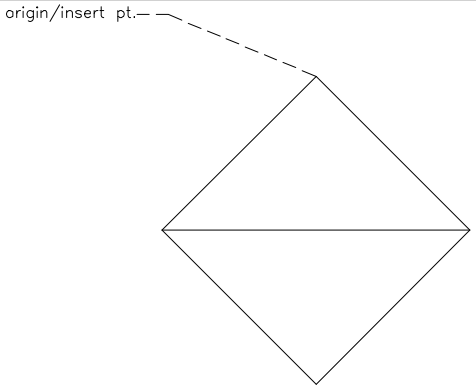
Fire Protection FPPHYD
Element Type: Symbol
Description: Public Two-Hose Outlet Hydrant (1)



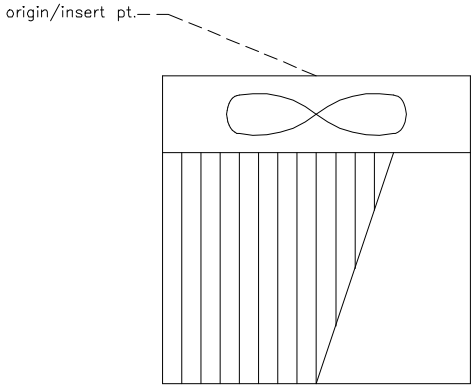
Fire Protection FPRTNK
Element Type: Symbol
Description: Pressure Tank



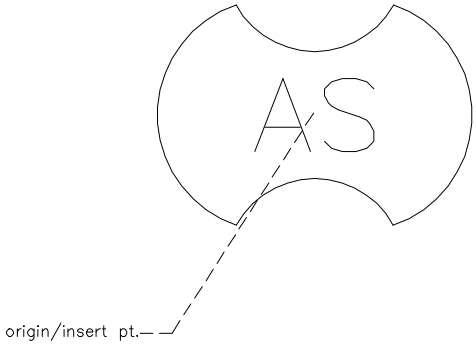
Fire Protection FPRDSW
Element Type: Symbol
Description: Pressure Detector Switch



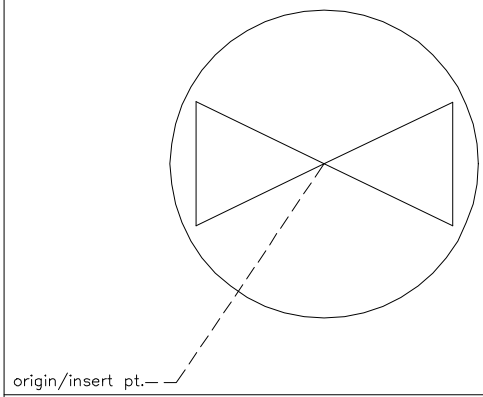
Fire Protection FPRVLV
Element Type: Symbol
Description: Preaction Valve (1)



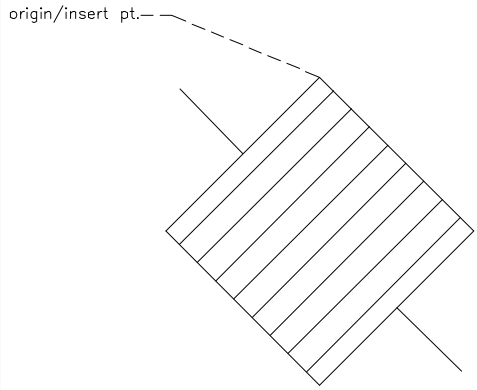
Fire Protection FPRSTR
Element Type: Symbol
Description: Pressurized Stairwell



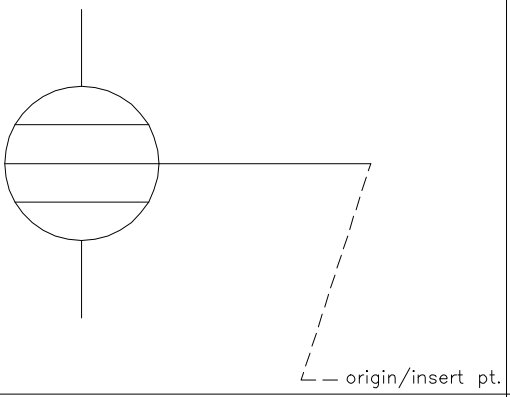
Fire Protection FPSPRS
Element Type: Symbol
Description: Partial Sprinklered Space



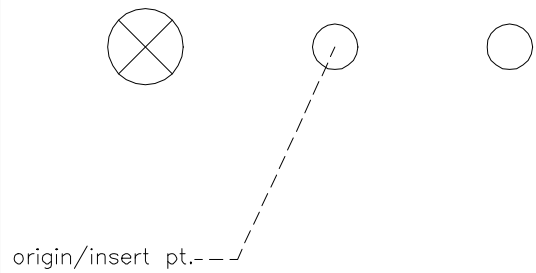
Fire Protection FPTVLV
Element Type: Symbol
Description: Preaction Valve (2)



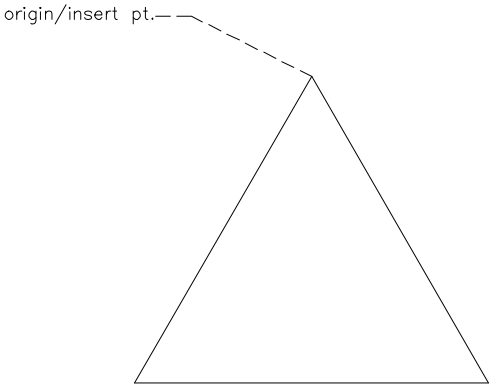
Fire Protection FQOVLV
Element Type: Symbol
Description: Dry Pipe, Quick Open Valve



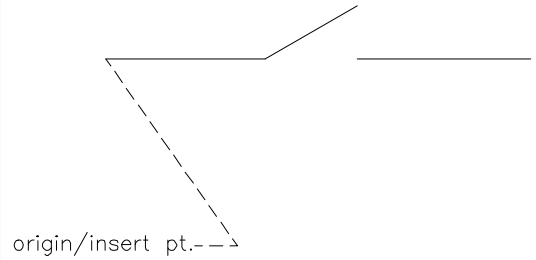
Fire Protection FPUHYD
Element Type: Symbol
Description: Public Two-Hose Outlet Hydrant (2)



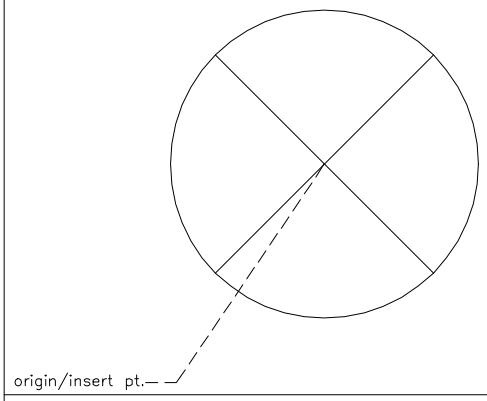
Fire Protection FRBSPR
Element Type: Symbol
Description: Sprinkler Riser and Branch



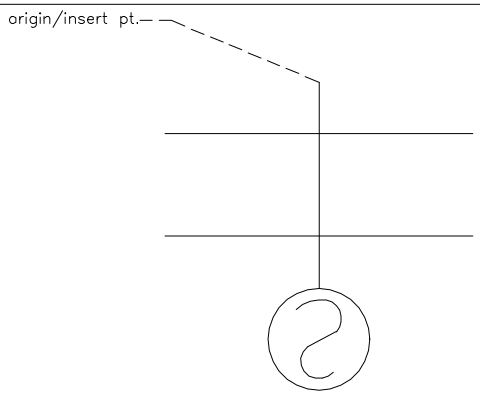
Fire Protection FPWEXT
Element Type: Symbol
Description: Water Extinguisher



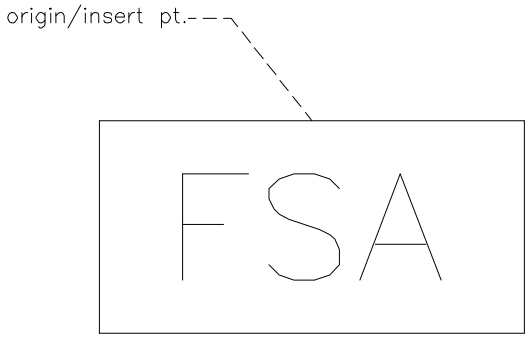
Fire Protection FRFDOR
Element Type: Symbol
Description: Wall w/<3 Hour Rated Door



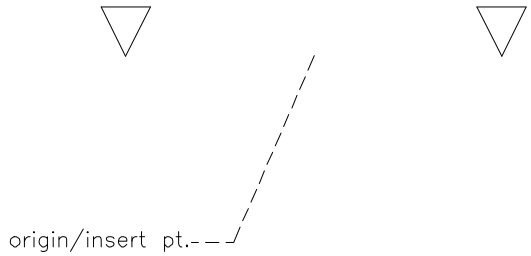
Fire Protection FRISER
Element Type: Symbol
Description: Riser



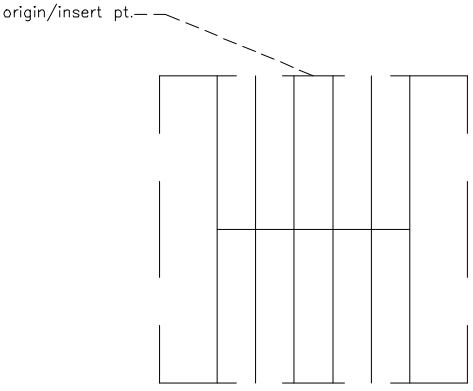
Fire Protection FSDAMP
Element Type: Symbol
Description: Smoke Damper (2)



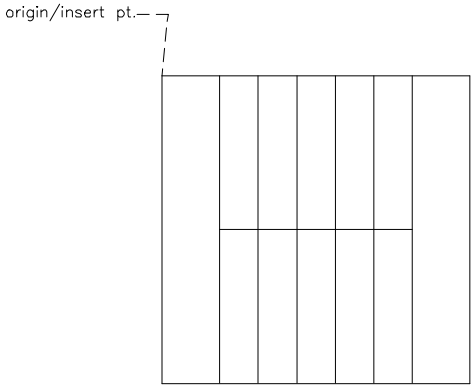
Fire Protection FSAPNL
Element Type: Symbol
Description: Fire System Annunciator Panel



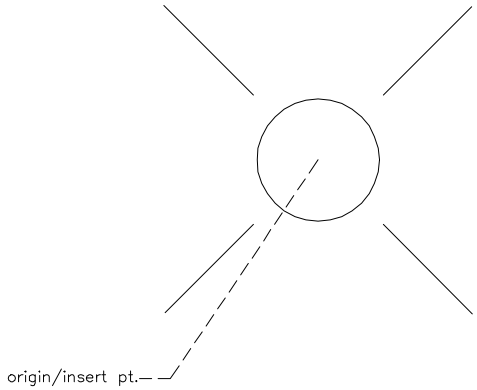
Fire Protection FSDSPR
Element Type: Symbol
Description: Sprinkler Head Sidewall Upright



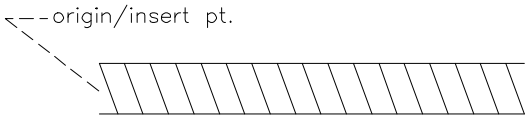
Fire Protection FSCSHA
Element Type: Symbol
Description: Stair in Combustible Shaft



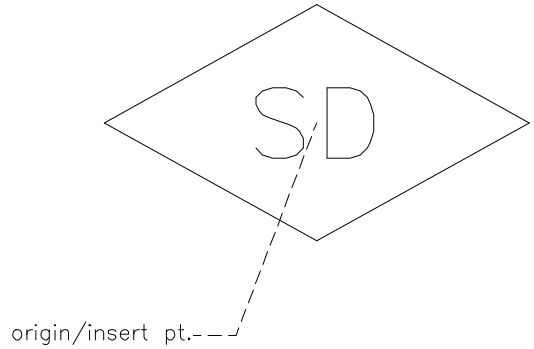
Fire Protection FSFSHA
Element Type: Symbol
Description: Stair in Fire Rated Shaft



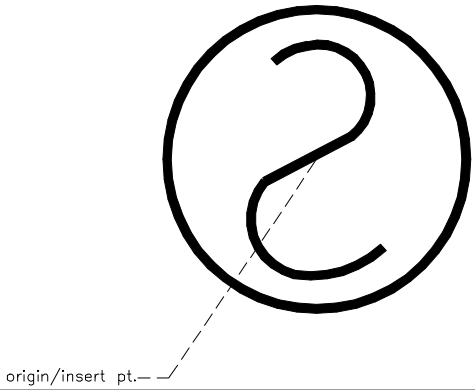
Fire Protection FSIGLT
Element Type: Symbol
Description: Lamp Light, Signal Light, Strobe



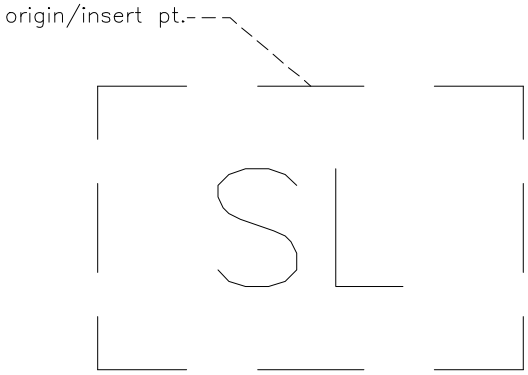
Fire Protection FSMBAR
Element Type: Symbol
Description: Smoke Barrier



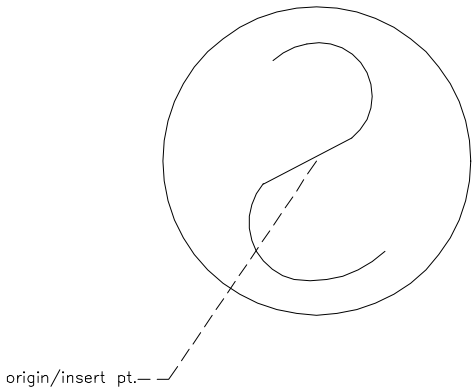
Fire Protection FSKDET
Element Type: Symbol
Description: Smoke Detector (2)



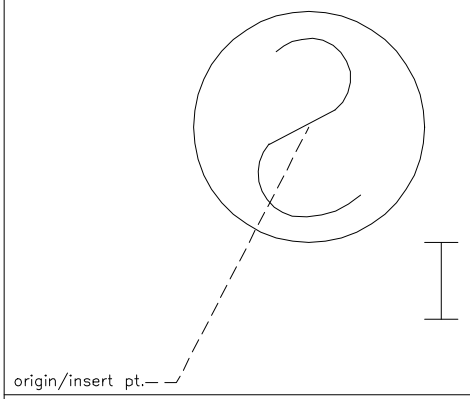
Fire Protection FSMKDT
Element Type: Symbol
Description: Smoke Detector (3)



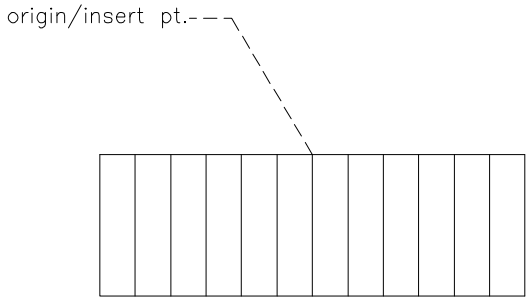
Fire Protection FSKLIT
Element Type: Symbol
Description: Skylight



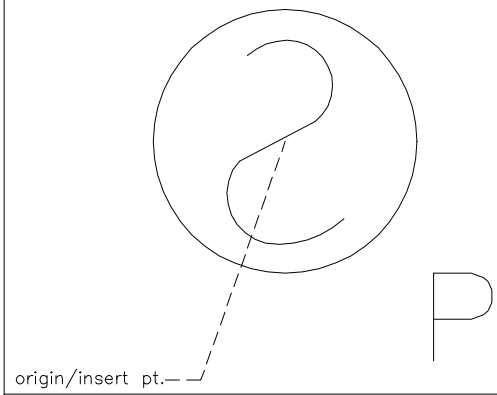
Fire Protection FSMOKD
Element Type: Symbol
Description: Smoke Detector (4)



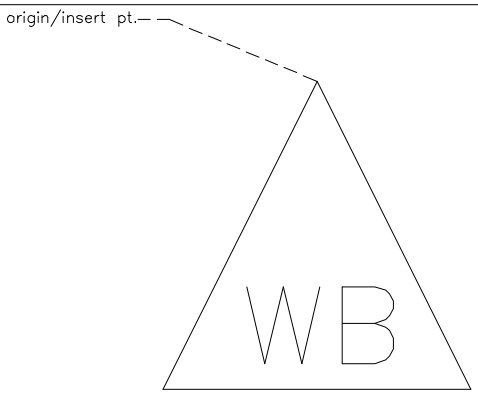
Fire Protection FSMOKI
Element Type: Symbol
Description: Ionization Smoke Detector



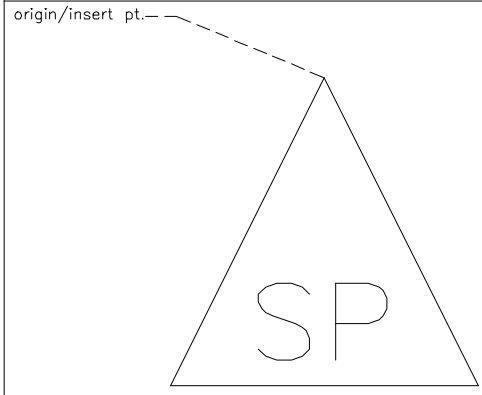
Fire Protection FSOSHA
Element Type: Symbol
Description: Stairs in Open Shaft



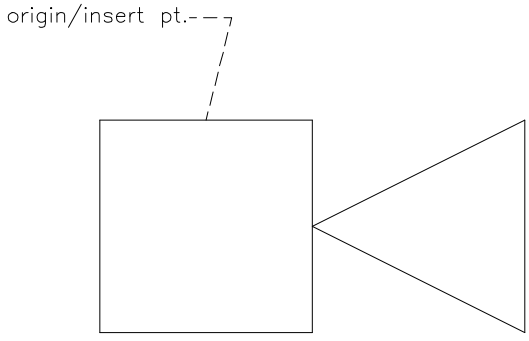
Fire Protection FSMOKP
Element Type: Symbol
Description: Photoelectric Smoke Detector



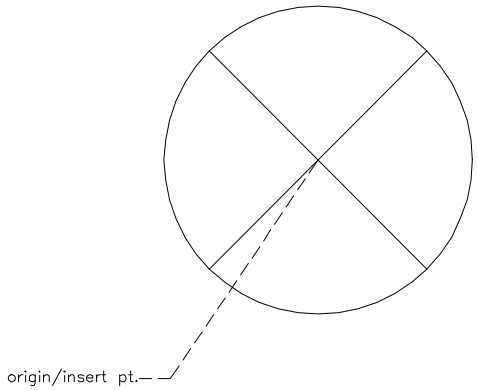
Fire Protection FSPBEL
Element Type: Symbol
Description: Sprinkler System Water Flow Bell



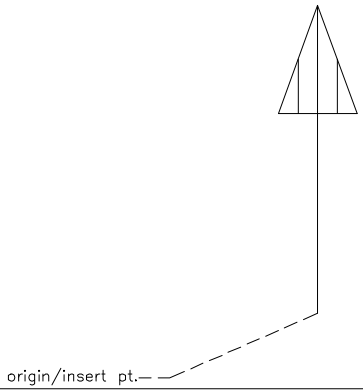
Fire Protection FSMPNL
Element Type: Symbol
Description: Smoke Control and Pressure Panel



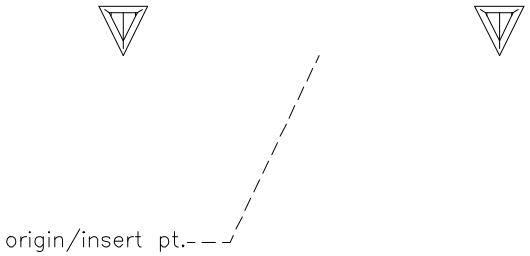
Fire Protection FSPHRN
Element Type: Symbol
Description: Horn Speaker



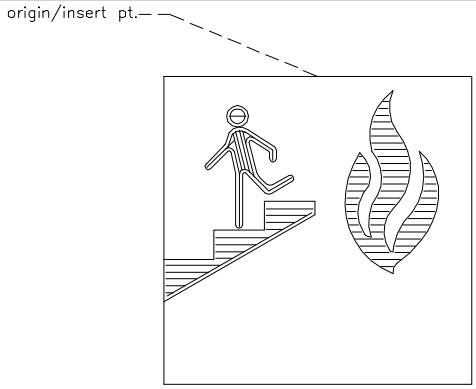
Fire Protection FSPRIS
Element Type: Symbol
Description: Sprinkler Riser



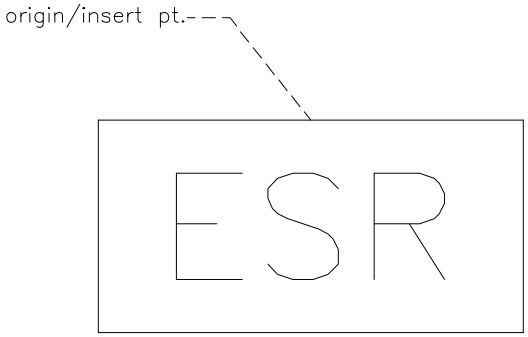
Fire Protection FSSNOZ
Element Type: Symbol
Description: Special Spray Nozzle



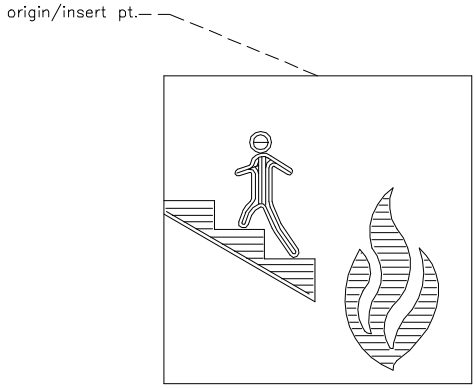
Fire Protection FSPSPR
Element Type: Symbol
Description: Sprinkler Head Sidewall Pendant



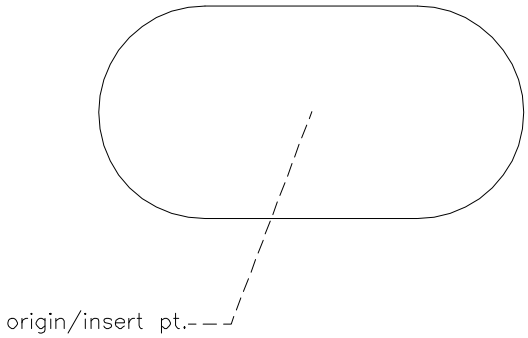
Fire Protection FSTAR1
Element Type: Symbol
Description: Use Stairs in Case of Fire (1)



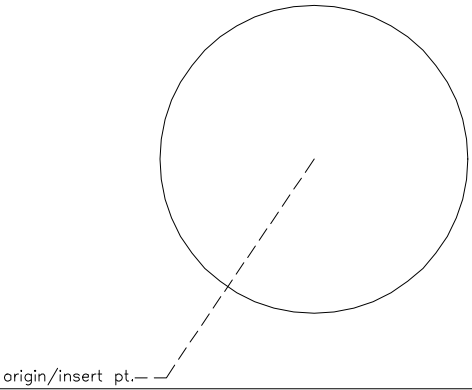
Fire Protection FSRPNL
Element Type: Symbol
Description: Elevator Status Recall



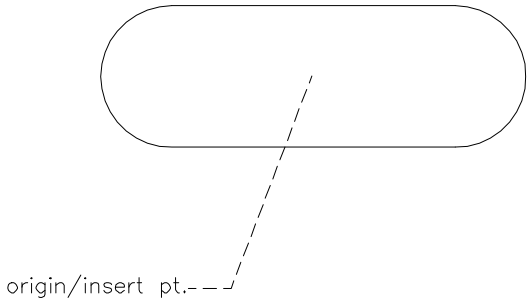
Fire Protection FSTAR2
Element Type: Symbol
Description: Use Stairs in Case of Fire (2)



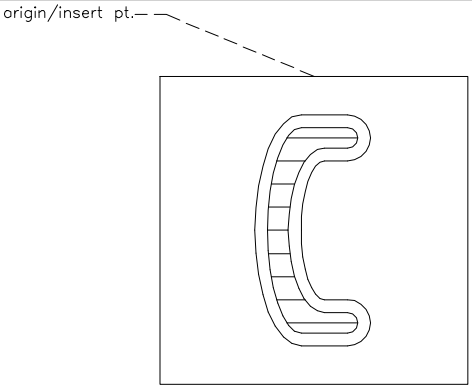
Fire Protection FTABEL
Element Type: Symbol
Description: Below Ground Tank



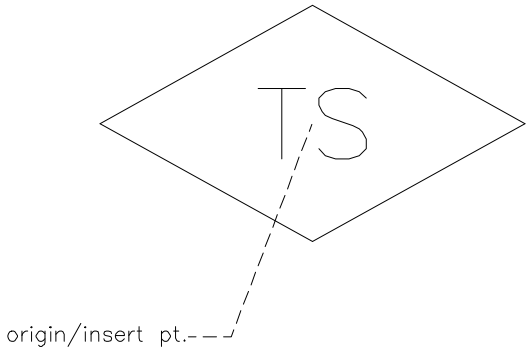
Fire Protection FTAVER
Element Type: Symbol
Description: Above Ground Vertical Tank



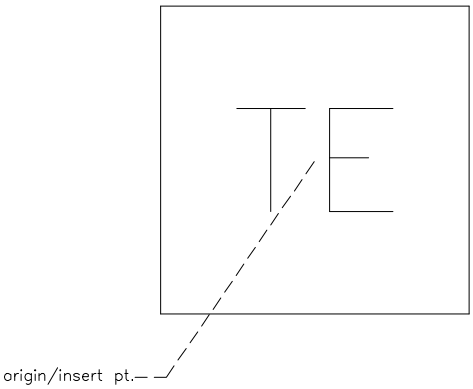
Fire Protection FTAHOR
Element Type: Symbol
Description: Above Ground Horizontal Tank



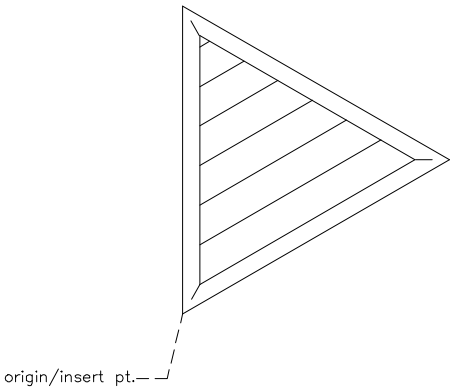
Fire Protection FTELST
Element Type: Symbol
Description: Telephone Station



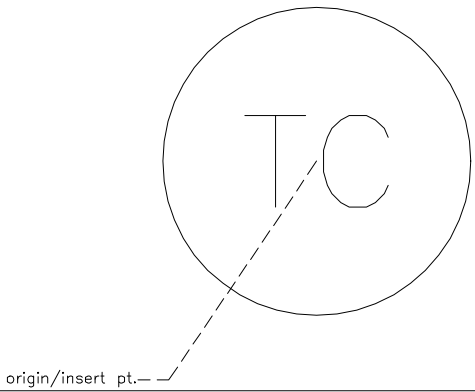
Fire Protection FTASWI
Element Type: Symbol
Description: Tamper Switch



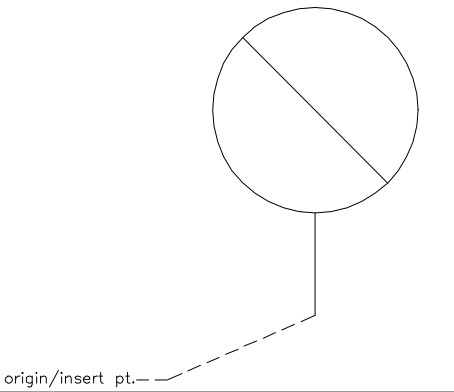
Fire Protection FTEQRM
Element Type: Symbol
Description: Telephone Equipment Room



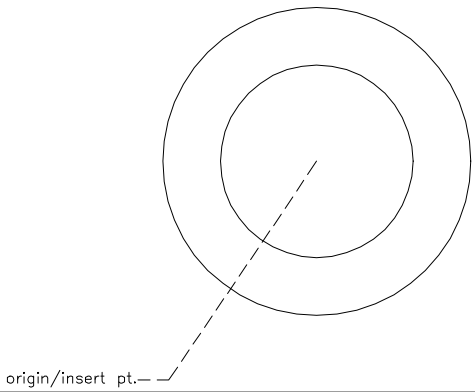
Fire Protection FTHBLK
Element Type: Symbol
Description: Thrust Block



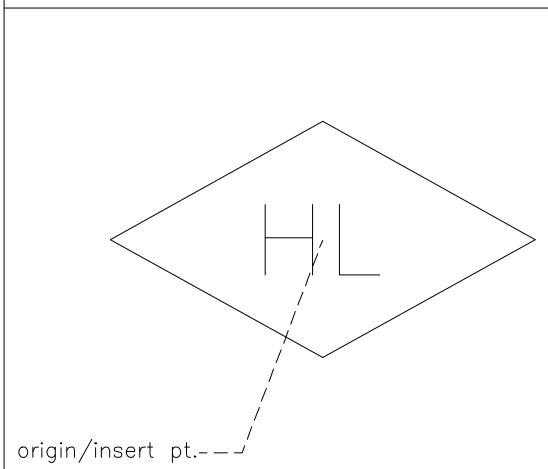
Fire Protection FTSTHD
Element Type: Symbol
Description: Test Header



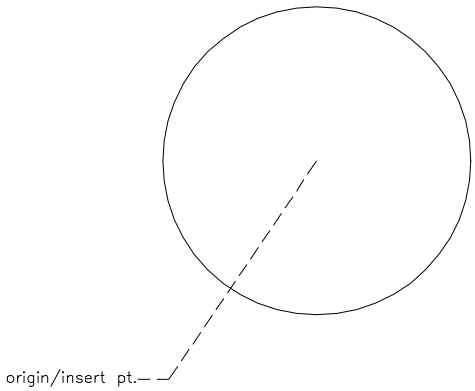
Fire Protection FTMDSW
Element Type: Symbol
Description: Damper Detector Switch



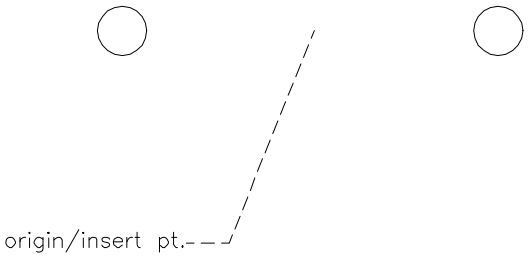
Fire Protection FUNSPR
Element Type: Symbol
Description: Nippled Up Upright Sprinkler



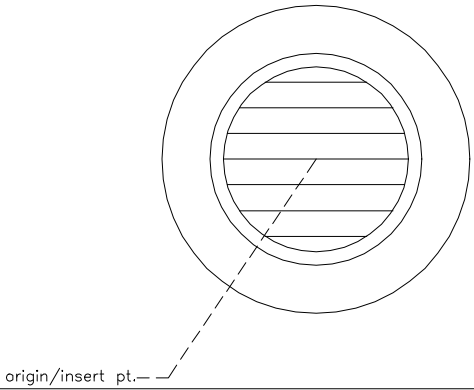
Fire Protection FTMSWI
Element Type: Symbol
Description: Halon System



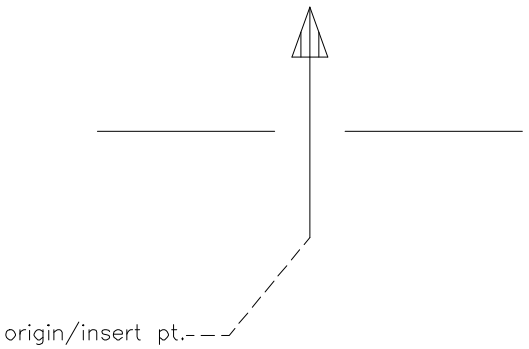
Fire Protection FUPSPR
Element Type: Symbol
Description: Upright Sprinkler



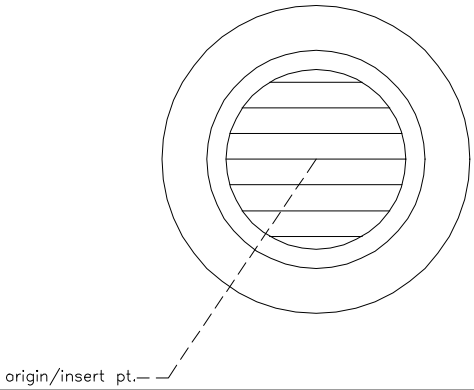
Fire Protection FURSPR
Element Type: Symbol
Description: Upright Sprinkler Heads



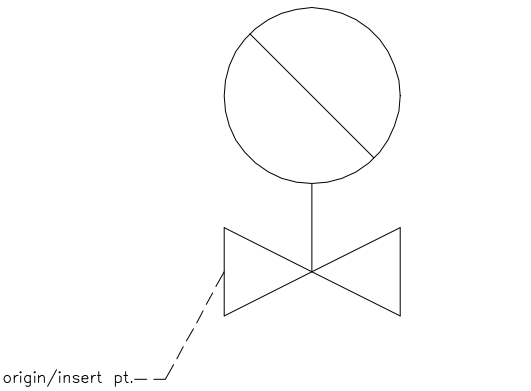
Fire Protection FWATOW
Element Type: Symbol
Description: Above Ground Vertical Water Tank



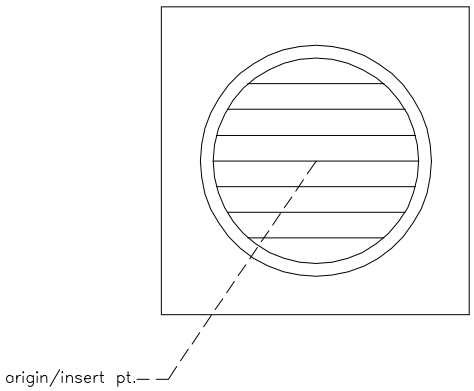
Fire Protection FVNTOP
Element Type: Symbol
Description: Ventilation Openings



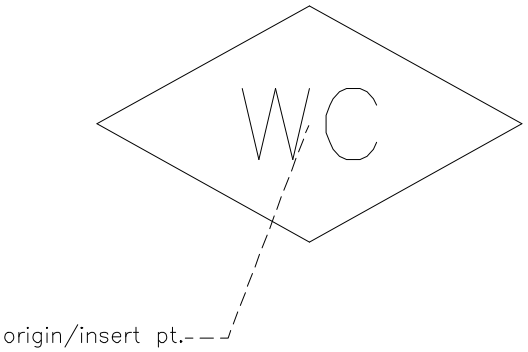
Fire Protection FWCAAS
Element Type: Symbol
Description: Automatic Actuated Wet Extinguishing System



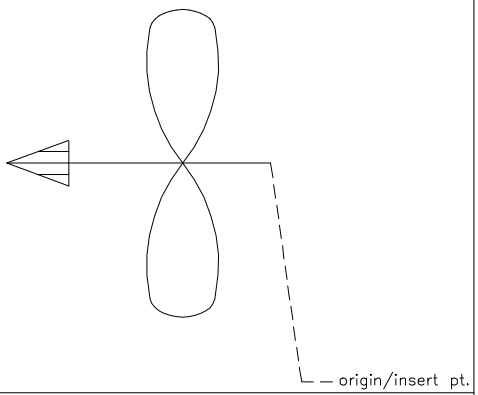
Fire Protection FVTDSW
Element Type: Symbol
Description: Valve Tamper Detection Switch



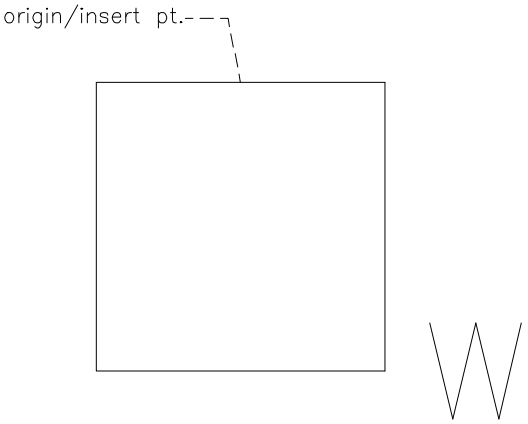
Fire Protection FWCMAS
Element Type: Symbol
Description: Manually Actuated Wet Extinguishing System



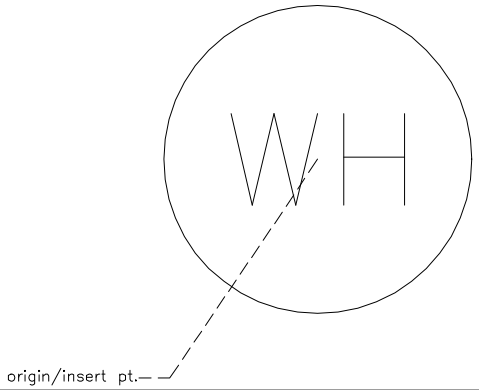
Fire Protection FWCSYS
Element Type: Symbol
Description: Wet Chemical System



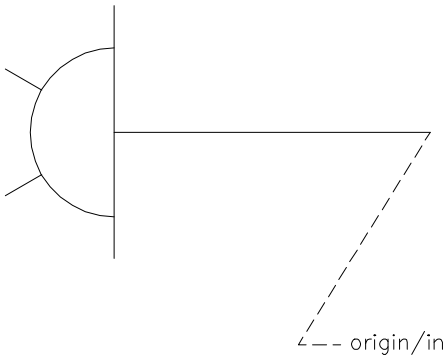
Fire Protection FWLFAN
Element Type: Symbol
Description: Wall Fan



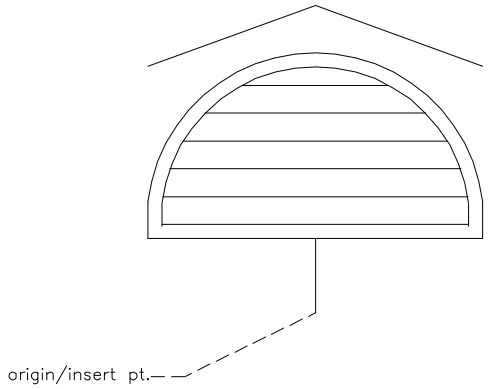
Fire Protection FWETCH
Element Type: Symbol
Description: Manual Wet Chemical Station



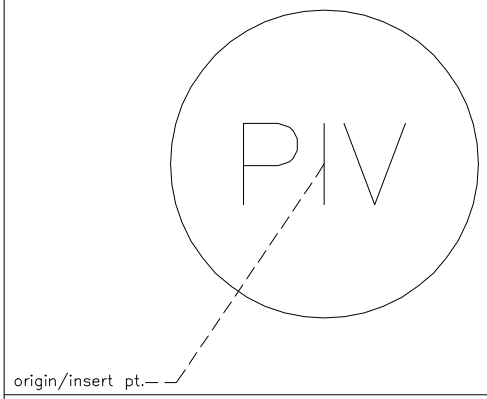
Fire Protection FWLHYD
Element Type: Symbol
Description: Wall Hydrant



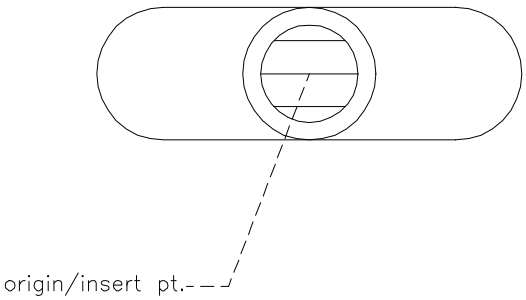
Fire Protection FWHHYD
Element Type: Symbol
Description: 2-Hose Outlet Wall Hydrant



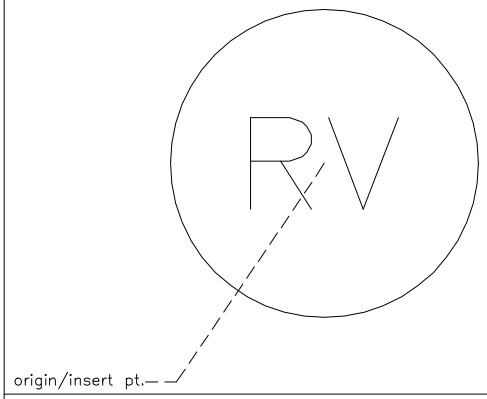
Fire Protection FWMALM
Element Type: Symbol
Description: Water Motor Alarm, Motor Gong



Fire Protection FWPVLV
Element Type: Symbol
Description: Post Indicator Valve (2)

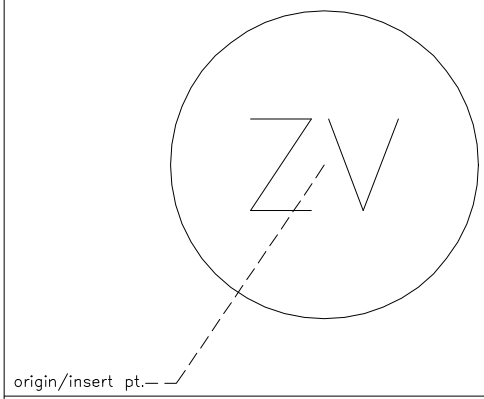


Fire Protection FWTOW
Element Type: Symbol
Description: Above Ground Horizontal Water Tower Tank



Fire Protection FWRVLV
Element Type: Symbol
Description: Riser Valve

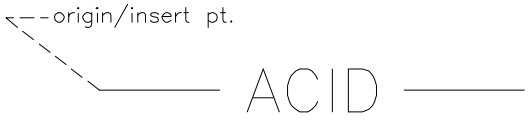
Fire Protection
Element Type:
Description:



Fire Protection FWSVLV
Element Type: Symbol
Description: Sprinkler Zone Valve

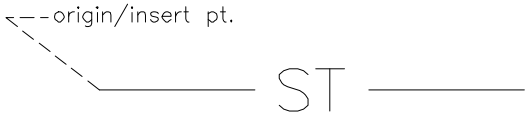
Fire Protection
Element Type:
Description:

14 Plumbing Lines Library

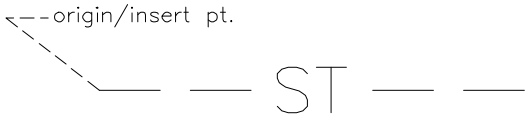


Plumbing PACIDW
Element Type: Line
Description: Acid Waste

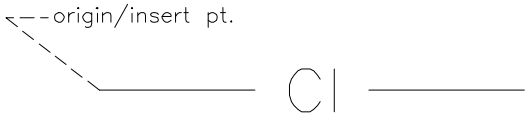
Plumbing PARGON
Element Type: Line
Description: Argon



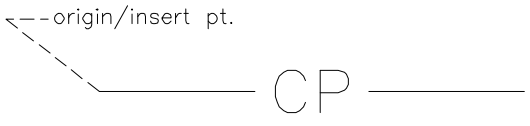
Plumbing PCDABF
Element Type: Line
Description: Condensate Drain (Above Floor)



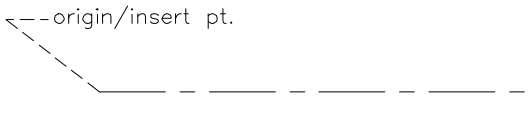
Plumbing PCDBEF
Element Type: Line
Description: Condensate Drain (Below Floor)



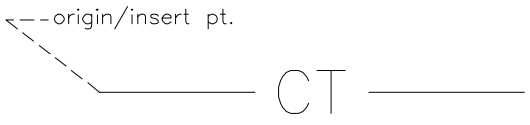
Plumbing PCIRON
Element Type: Line
Description: Cast Iron



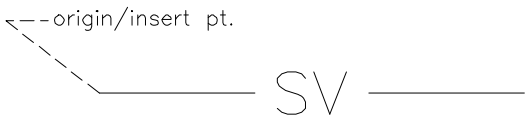
Plumbing PCLPIP
Element Type: Line
Description: Culvert Pipe



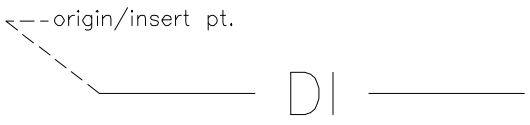
Plumbing PCOWAT
Element Type: Line
Description: Cold Water



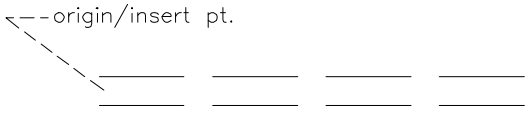
Plumbing PCTILE
Element Type: Line
Description: Clay Tile Pipe



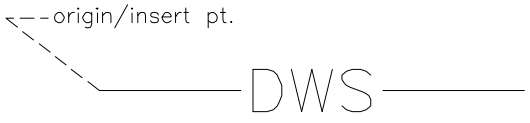
Plumbing PCWVEN
Element Type: Line
Description: Vent and Waste Combination



Plumbing PDIPIP
Element Type: Line
Description: Ductile Iron

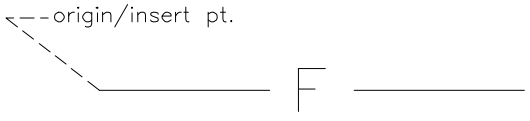


Plumbing PDOTIL
Element Type: Symbol
Description: Open Tile or Agr. Tile Drain

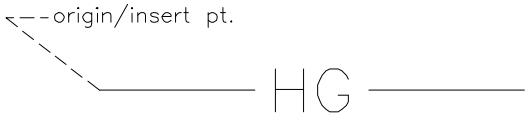


Plumbing PDWFLO
Element Type: Line
Description: Drinking Water Supply

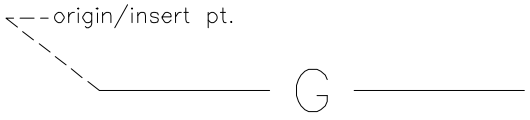
Plumbing PDWRET
Element Type: Line
Description: Drinking Water Return



Plumbing PFIRE
Element Type: Line
Description: Fire Line

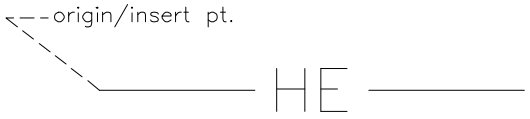


Plumbing PGASHP
Element Type: Line
Description: High Pressure Gas

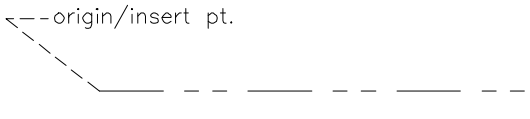


Plumbing PGASLP
Element Type: Line
Description: Low Pressure Gas

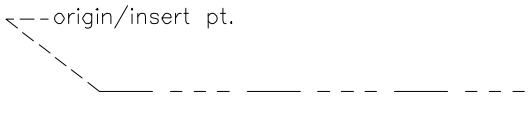
Plumbing PGASMP
Element Type: Line
Description: Medium Pressure Gas



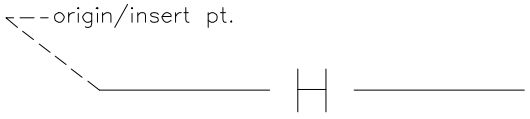
Plumbing PHLIUM
Element Type: Line
Description: Helium



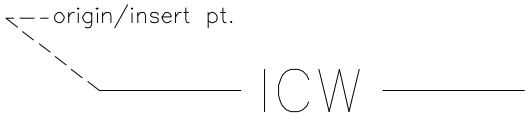
Plumbing PHOWAT
Element Type: Line
Description: Hot Water



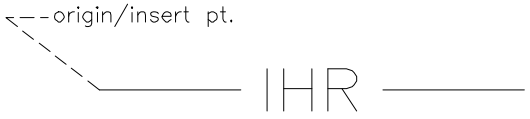
Plumbing PHWRET
Element Type: Line
Description: Hot Water Return



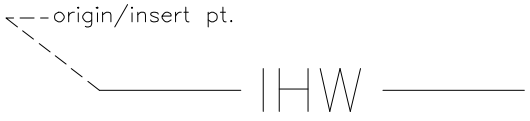
Plumbing PHYDRO
Element Type: Line
Description: Hydrogen



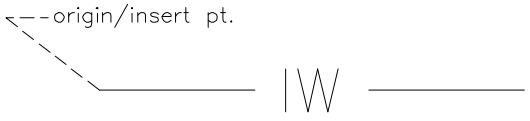
Plumbing PICWAT
Element Type: Line
Description: Industrial Cold Water



Plumbing PIHWRT
Element Type: Line
Description: Industrial Hot Water Return

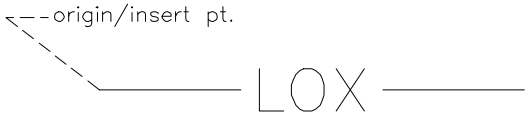


Plumbing PIHWSH
Element Type: Line
Description: Industrial Hot Water Supply



Plumbing PINDRA
Element Type: Line
Description: Indirect Drain

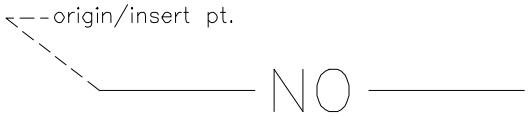
Plumbing PINDWS
Element Type: Line
Description: Industrial Waste



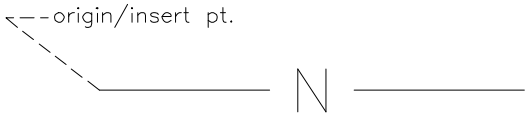
Plumbing PLIOXY
Element Type: Line
Description: Liquid Oxygen

Plumbing PLIPET
Element Type: Line
Description: Liquid Petroleum Gas

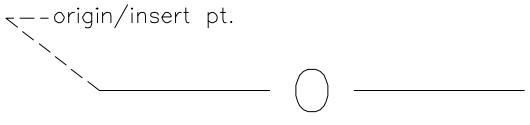
Plumbing PNILIQ
Element Type: Line
Description: Liquid Nitrogen



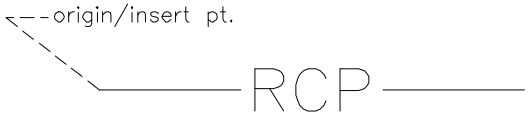
Plumbing PNIOXI
Element Type: Line
Description: Nitrous Oxide



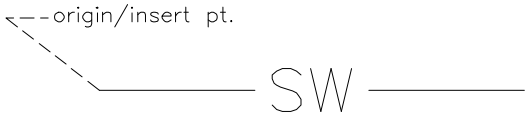
Plumbing PNITRO
Element Type: Line
Description: Nitrogen



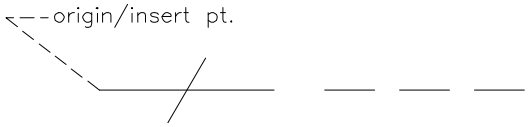
Plumbing POXYGN
Element Type: Line
Description: Oxygen



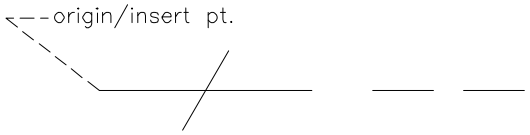
Plumbing PRCPIP
Element Type: Line
Description: Reinforced Concrete Piping



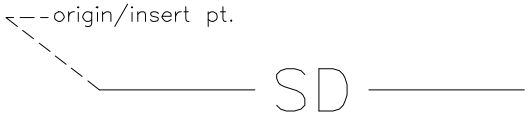
Plumbing PSCWAT
Element Type: Line
Description: Soft Cold Water



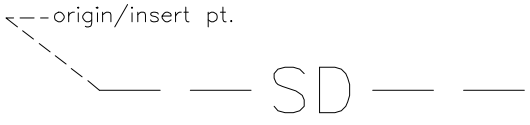
Plumbing PSHWRT
Element Type: Line
Description: Sanitizing Hot Water Return (180F)



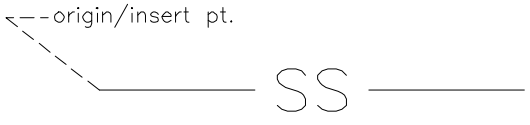
Plumbing PSHWSU
Element Type: Line
Description: Sanitizing Hot Water Supply (180F)



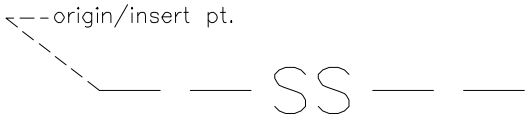
Plumbing PSTDAF
Element Type: Line
Description: Storm Drain (Above Floor)



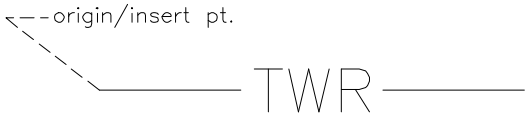
Plumbing PSTDBF
Element Type: Line
Description: Storm Drain (Below Floor)



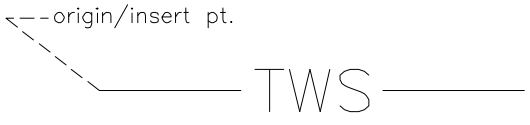
Plumbing PSWSAF
Element Type: Line
Description: Sanitary Soil Waste (Above Floor)



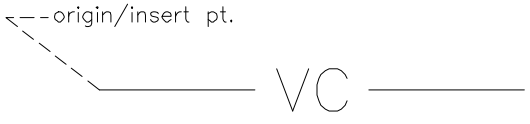
Plumbing PSWSBF
Element Type: Line
Description: Sanitary Soil Waste (Below Floor)



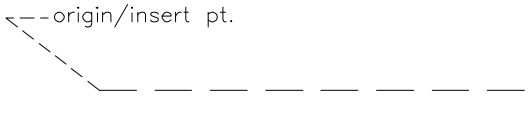
Plumbing PTWRET
Element Type: Line
Description: Tempered Water Return



Plumbing PTWSUP
Element Type: Line
Description: Tempered Water Supply



Plumbing PVACCL
Element Type: Line
Description: Vacuum Cleaning



Plumbing PVENT
Element Type: Line
Description: Vent

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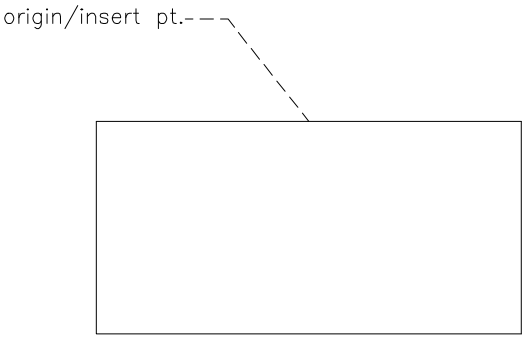
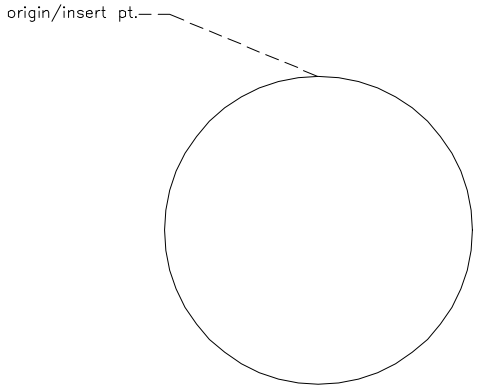
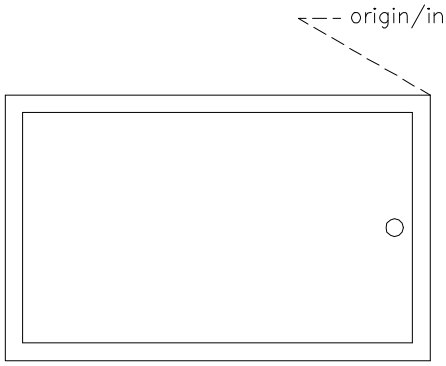


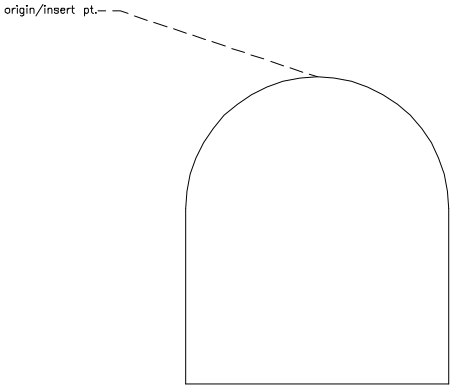
Plumbing PBDWAS
Element Type: Symbol
Description: Bedpan Washer



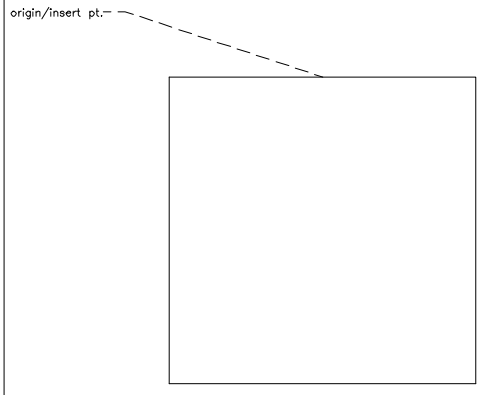
Plumbing PCWDSH
Element Type: Symbol
Description: Can Washer, Dish Type



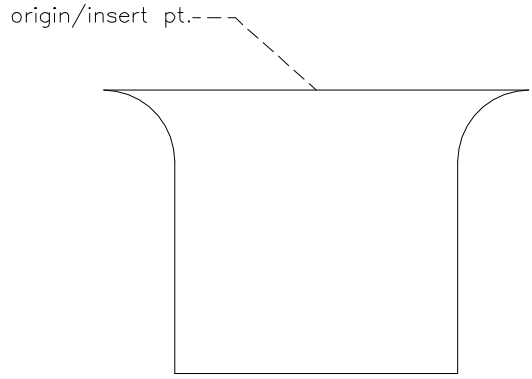
Plumbing PCBATH
Element Type: Symbol
Description: Corner Bath



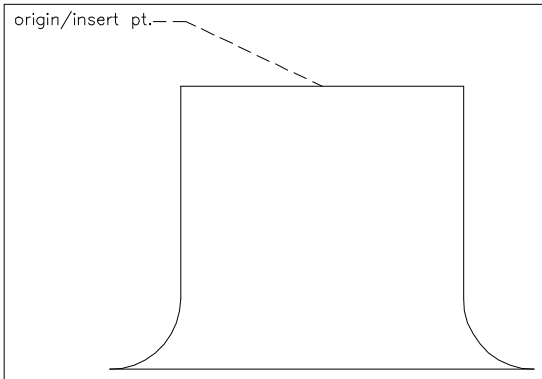
Plumbing PCWZAB
Element Type: Symbol
Description: Can Washer, Cabinet Type



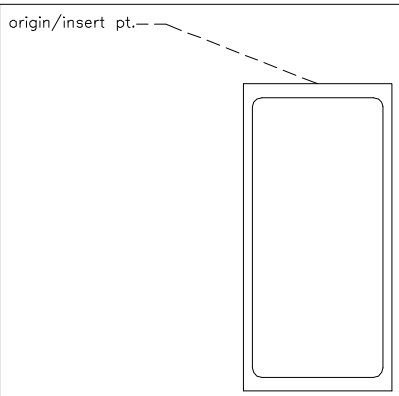
Plumbing PCOMDI
Element Type: Symbol
Description: Commercial Dishwasher



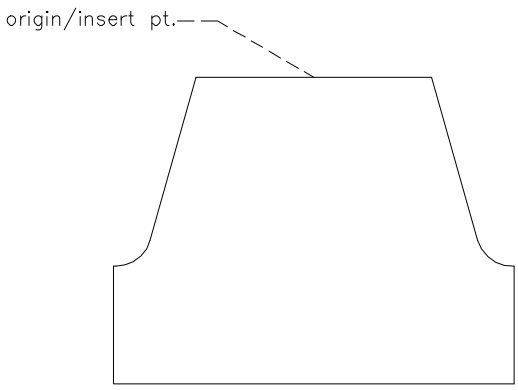
Plumbing PDFPRO
Element Type: Symbol
Description: Drinking Fountain, Projecting Type



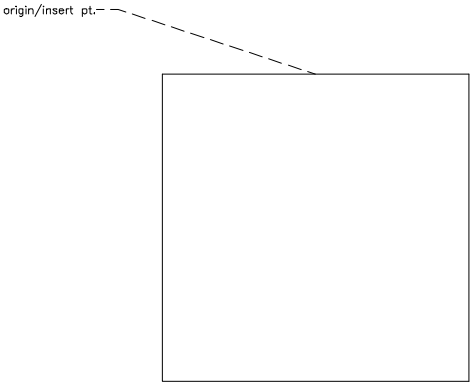
Plumbing PDFREC
Element Type: Symbol
Description: Drinking Fountain, Recessed Type



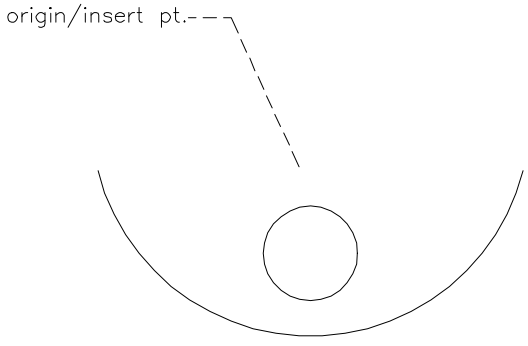
Plumbing PEBATH
Element Type: Symbol
Description: Emergency Bath



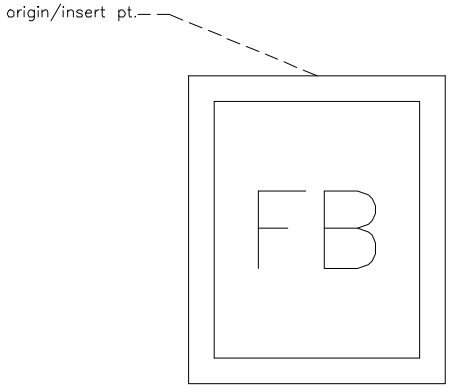
Plumbing PDFSRE
Element Type: Symbol
Description: Drinking Fountain, Semi-Recessed Type



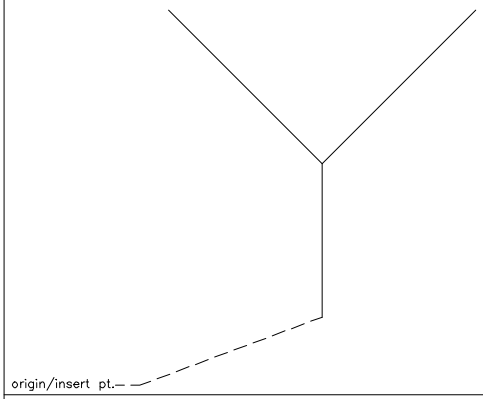
Plumbing PEWCWH
Element Type: Symbol
Description: Electric Wall Hung Water Cooler



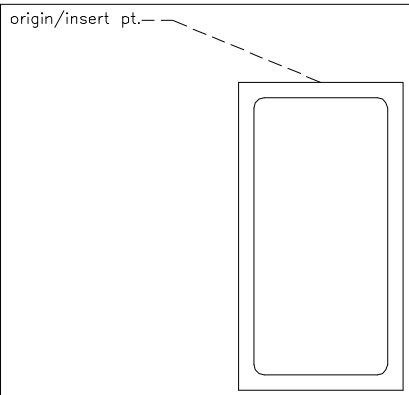
Plumbing PDLAVT
Element Type: Symbol
Description: Dental Lavatory



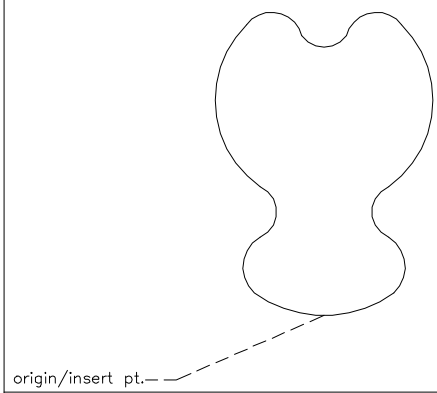
Plumbing PFBATH
Element Type: Symbol
Description: Foot Bath



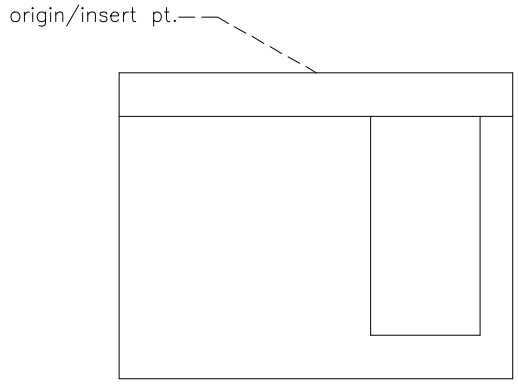
Plumbing PFDOPN
Element Type: Symbol
Description: Open Drain Funnel



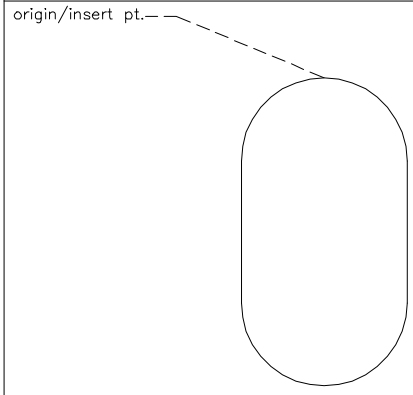
Plumbing PIBATH
Element Type: Symbol
Description: Institutional Bath



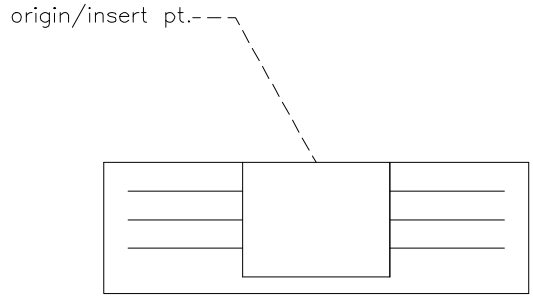
Plumbing PHBATH
Element Type: Symbol
Description: Hydrotherapy Hubbard Bath



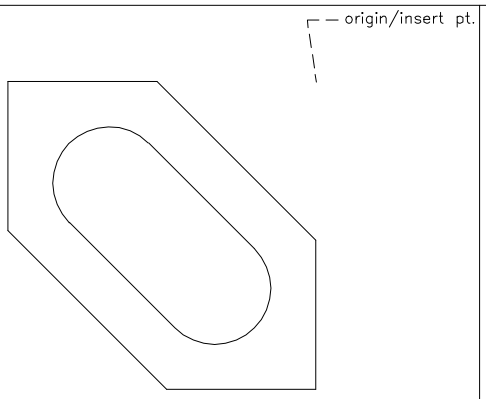
Plumbing PINBTH
Element Type: Symbol
Description: Infant Bath



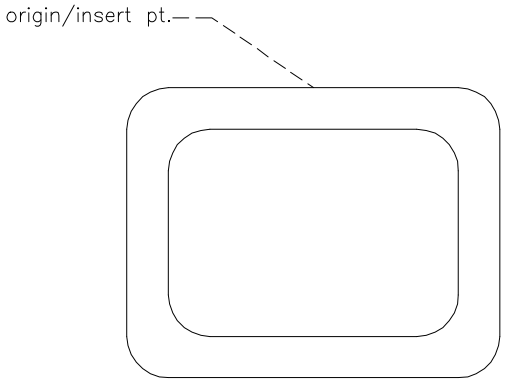
Plumbing PHYBTH
Element Type: Symbol
Description: Hydrotherapy Arm Bath



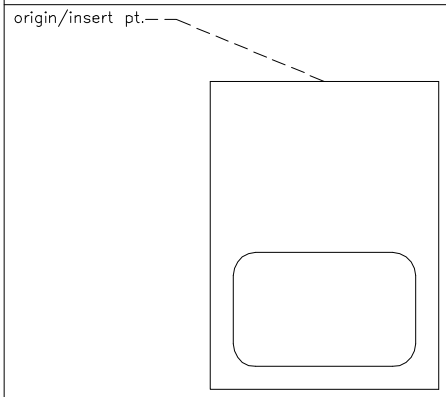
Plumbing PKSINK
Element Type: Symbol
Description: Kitchen Sink w/L & R Drain Board



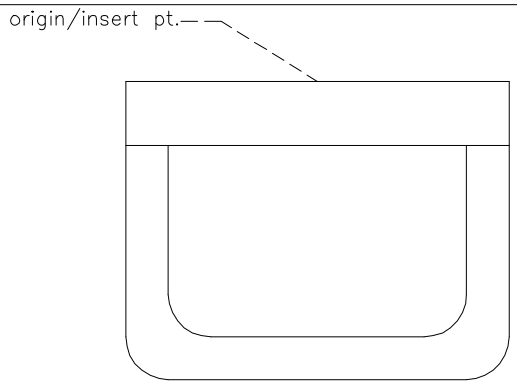
Plumbing PLAVCO
Element Type: Symbol
Description: Corner Lavatory



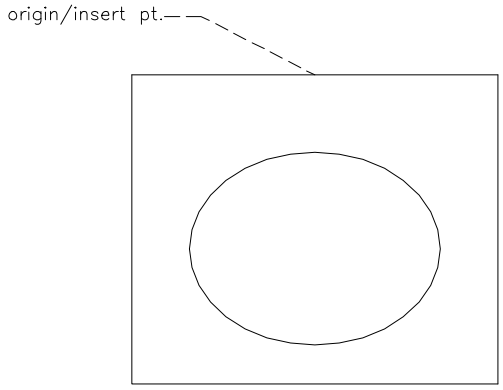
Plumbing PLAVSL
Element Type: Symbol
Description: Slab Type Lavatory



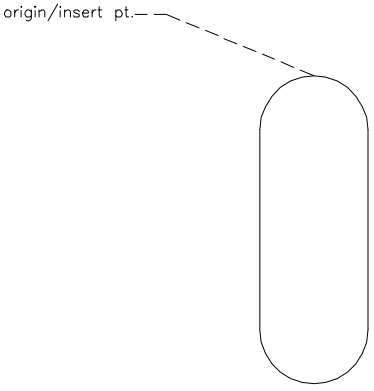
Plumbing PLAVHA
Element Type: Symbol
Description: Handicapped Lavatory



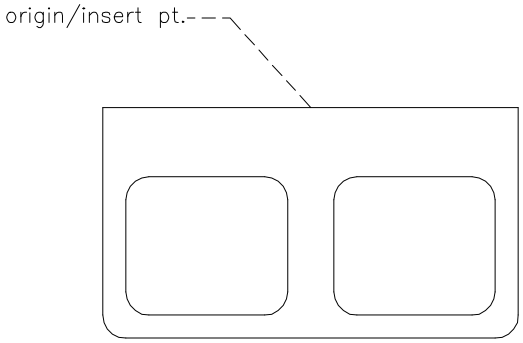
Plumbing PLAVWB
Element Type: Symbol
Description: Back Lavatory



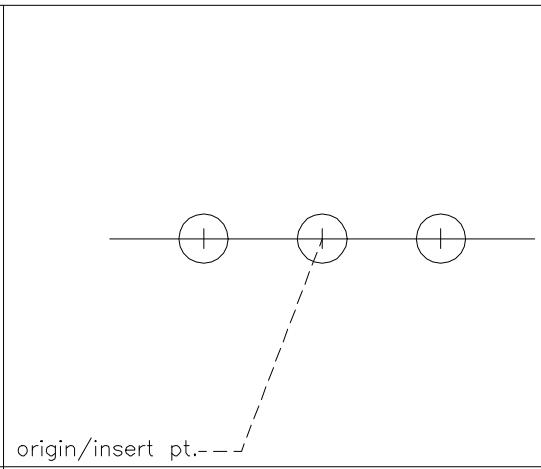
Plumbing PLAVIC
Element Type: Symbol
Description: Lavatory in Corner



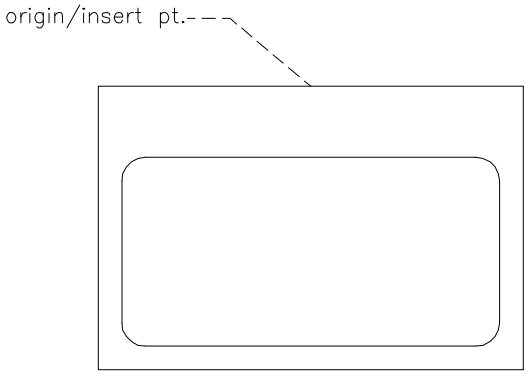
Plumbing PLBATH
Element Type: Symbol
Description: Hydrotherapy Leg Bath



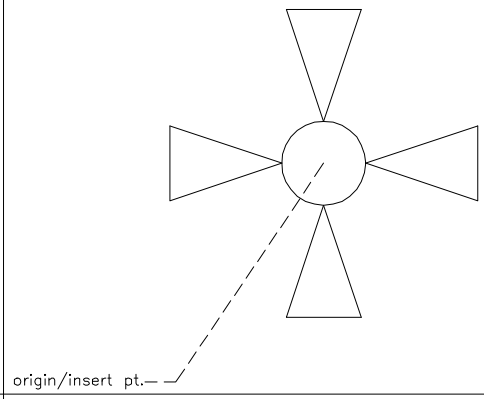
Plumbing PLTDBL
Element Type: Symbol
Description: Double Laundry Trays



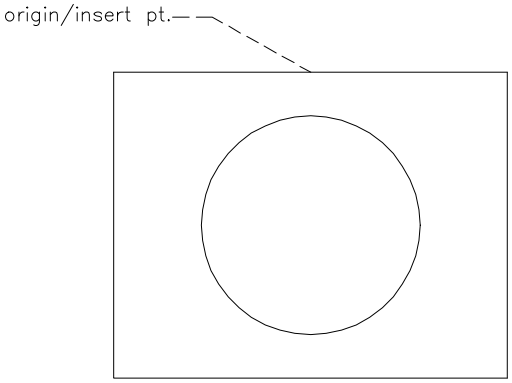
Plumbing POGSHO
Element Type: Symbol
Description: Shower Overhead Gang



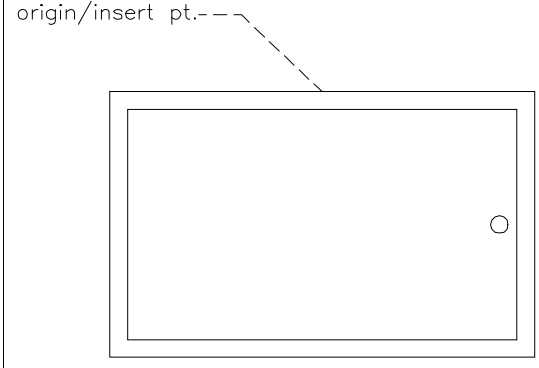
Plumbing PLTSIN
Element Type: Symbol
Description: Single Laundry Tray



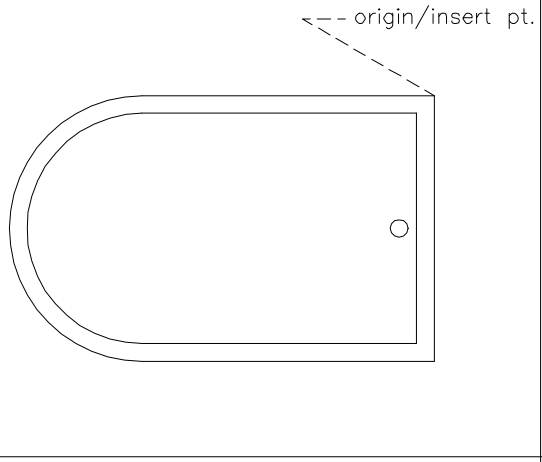
Plumbing PPGSHW
Element Type: Symbol
Description: Shower Pedestal Gang



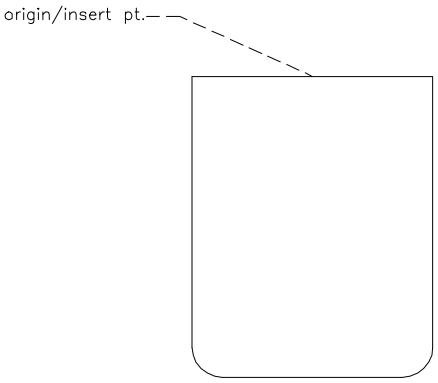
Plumbing PMALVT
Element Type: Symbol
Description: Lavatory Manicure, Medical



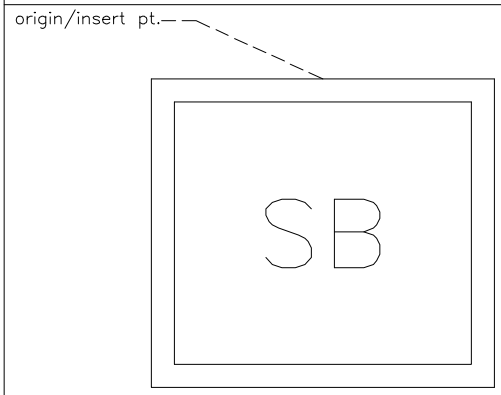
Plumbing PRBATH
Element Type: Symbol
Description: Recessed Bath



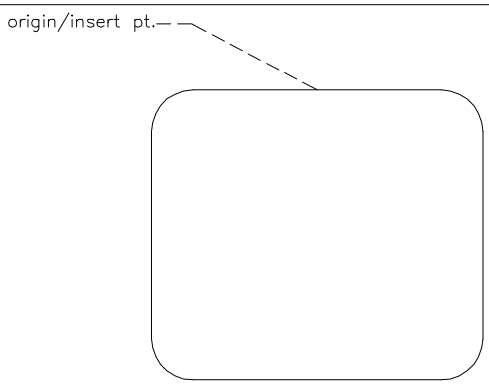
Plumbing PRPBTH
Element Type: Symbol
Description: Bath Roll Rim



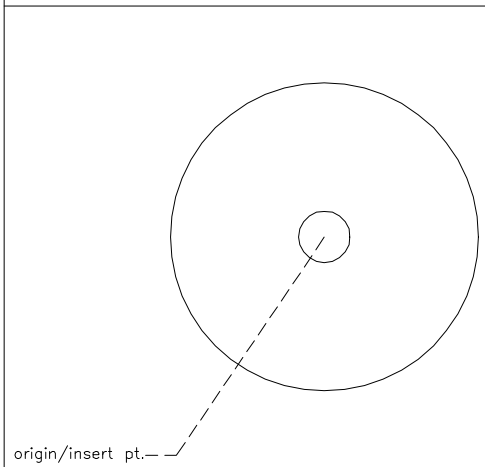
Plumbing PSCLIN
Element Type: Symbol
Description: Flushing Rim Clinical Sink



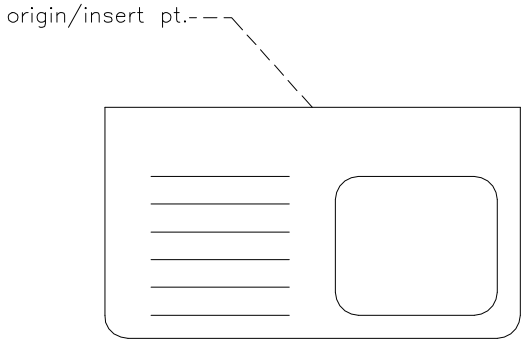
Plumbing PSBATH
Element Type: Symbol
Description: Bath Sitz



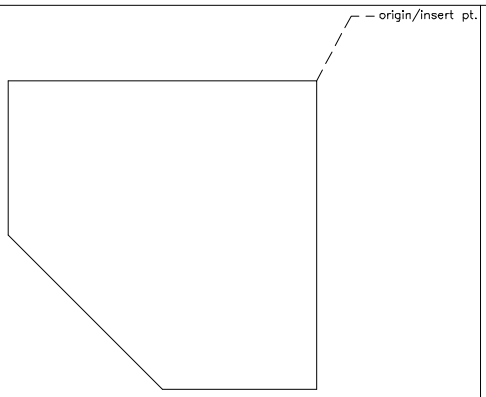
Plumbing PSDISP
Element Type: Symbol
Description: Sink Disposer



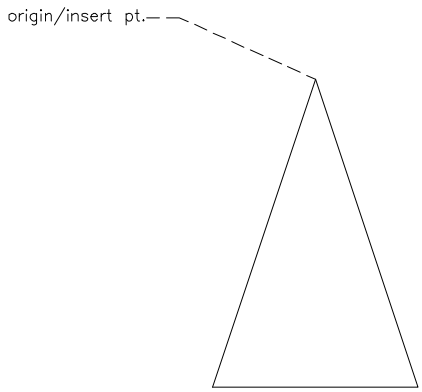
Plumbing PSCIRC
Element Type: Symbol
Description: Circular Wash Type Sink



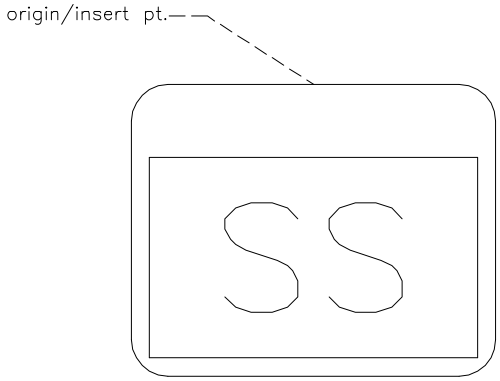
Plumbing PSDRSN
Element Type: Symbol
Description: Sink Drainboard



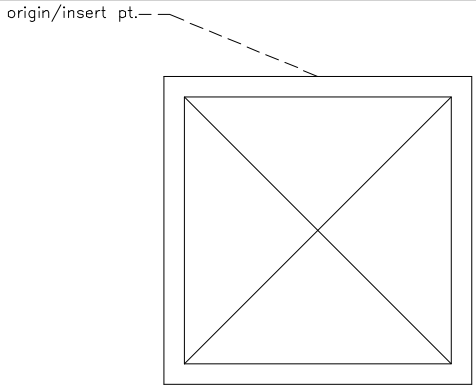
Plumbing PSERVF
Element Type: Symbol
Description: Floor Service Sink



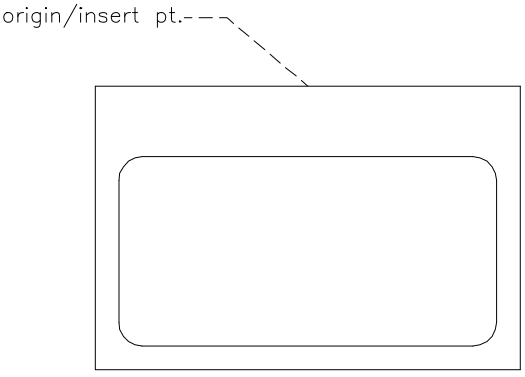
Plumbing PSHHED
Element Type: Symbol
Description: Shower Head



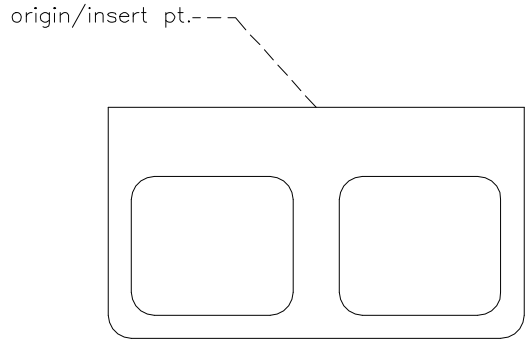
Plumbing PSERVS
Element Type: Symbol
Description: Service Sink



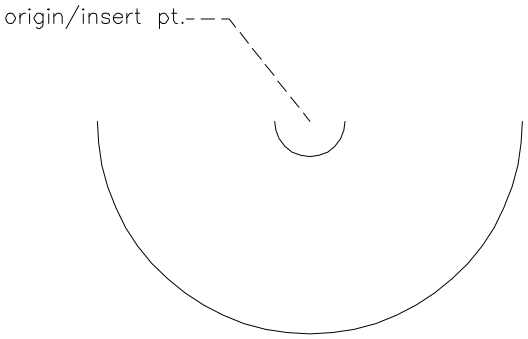
Plumbing PSHSTL
Element Type: Symbol
Description: Shower Stall



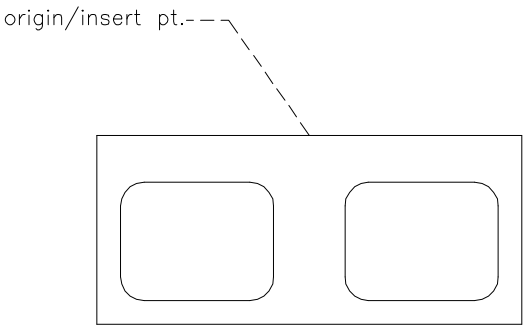
Plumbing PSGENE
Element Type: Symbol
Description: General Sink



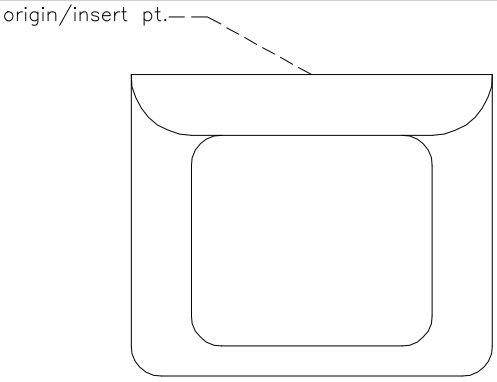
Plumbing PSLAUN
Element Type: Symbol
Description: Sink Laundry Tray



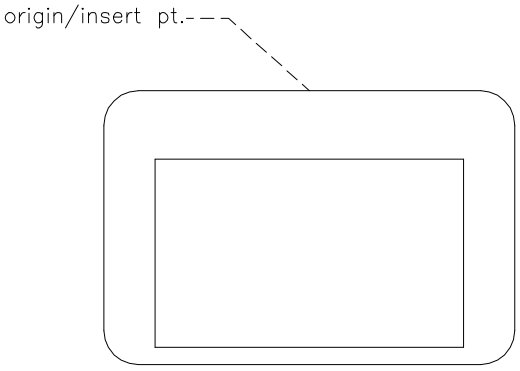
Plumbing PSSEMC
Element Type: Symbol
Description: Semi-Circular Wash Sink



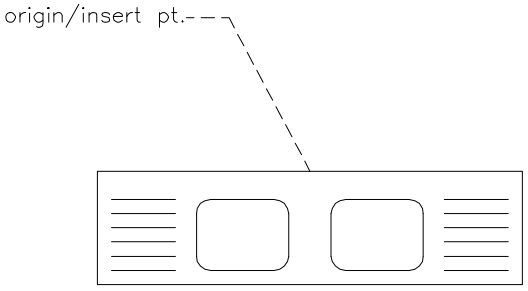
Plumbing PSTCOM
Element Type: Symbol
Description: Sink, Two Compartment Type



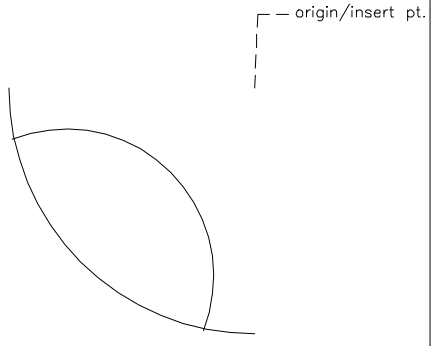
Plumbing PSSLOP
Element Type: Symbol
Description: Slop-Type Sink



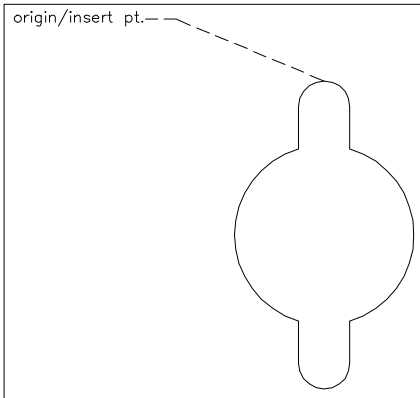
Plumbing PSURGN
Element Type: Symbol
Description: Surgeon Scrub Sink



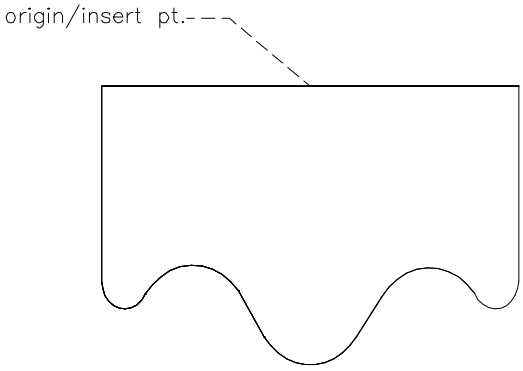
Plumbing PSTCDR
Element Type: Symbol
Description: Sink Drainboards



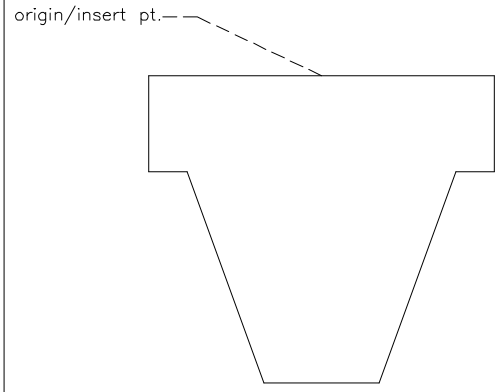
Plumbing PURCOR
Element Type: Symbol
Description: Corner Type Urinal



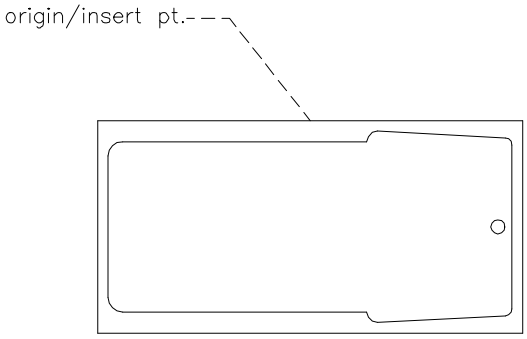
Plumbing PURPED
Element Type: Symbol
Description: Pedestal Type Urinal



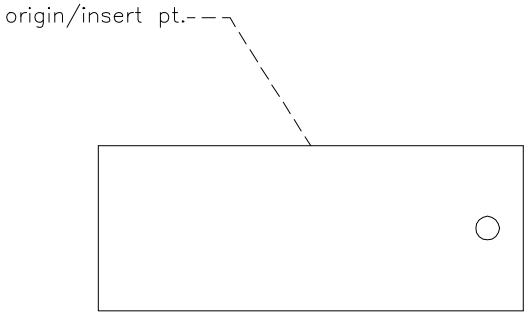
Plumbing PURWHU
Element Type: Symbol
Description: Wall Hung Urinal



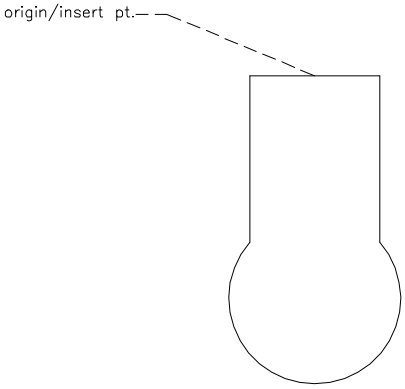
Plumbing PURSTA
Element Type: Symbol
Description: Urinal Stall



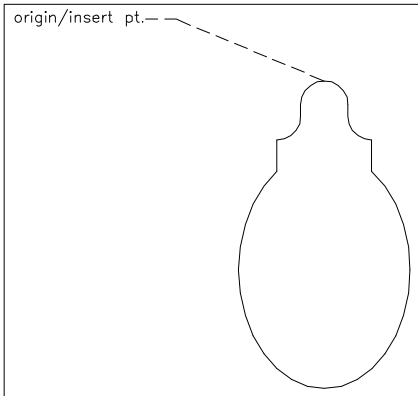
Plumbing PWBATH
Element Type: Symbol
Description: Whirlpool Bath



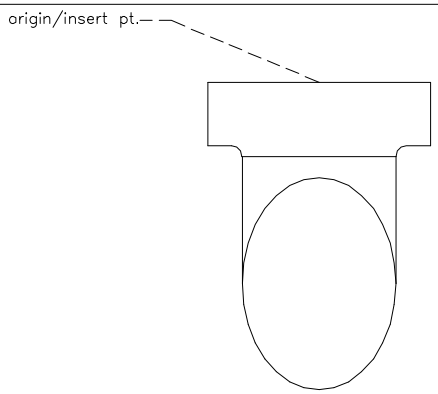
Plumbing PURTRO
Element Type: Symbol
Description: Trough Type Urinal



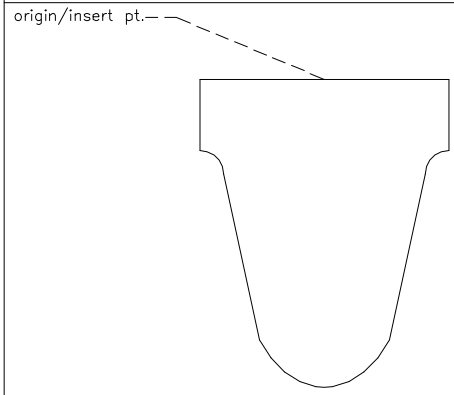
Plumbing PWCBID
Element Type: Symbol
Description: Watercloset Bidet



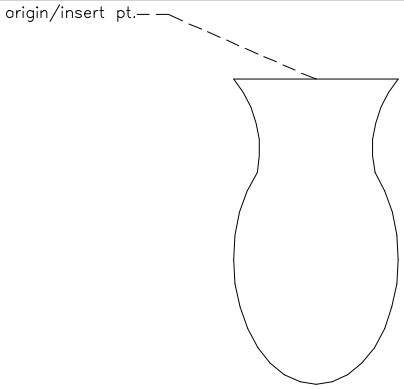
Plumbing PWCFOU
Element Type: Symbol
Description: F.V. Floor Outlet Watercloset



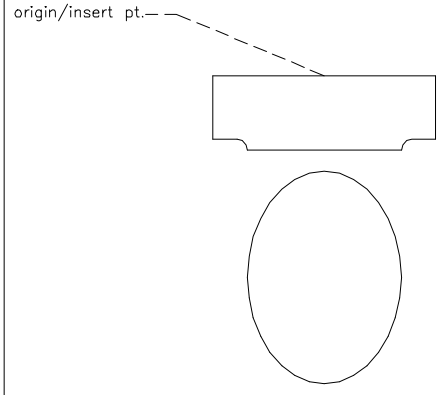
Plumbing PWCWHT
Element Type: Symbol
Description: Wall Hung Tank Watercloset



Plumbing PWCITK
Element Type: Symbol
Description: Integral Tank Watercloset



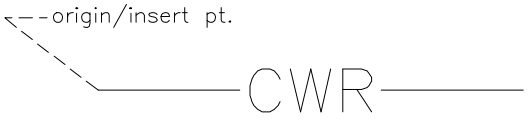
Plumbing PWCWHU
Element Type: Symbol
Description: F.V. Wall Hung Watercloset



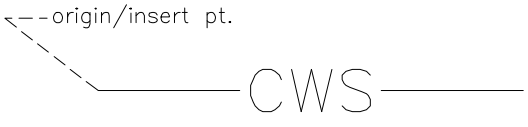
Plumbing PWCTNK
Element Type: Symbol
Description: Tank Type Watercloset

Plumbing
Element Type:
Description:

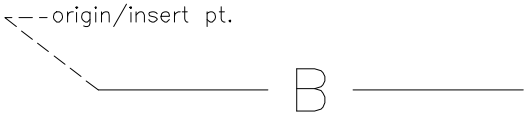
15 Mechanical Lines Library



Mechanical MACCWR
Element Type: Line
Description: Chilled Water Return

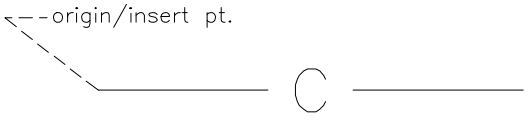


Mechanical MACCWS
Element Type: Line
Description: Chilled Water Supply

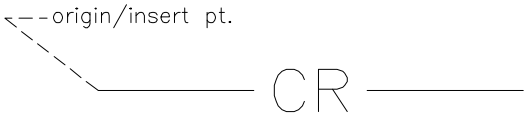


Mechanical MACRB
Element Type: Line
Description: Brine Supply

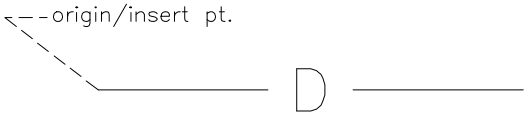
Mechanical MACRBR
Element Type: Line
Description: Brine Return



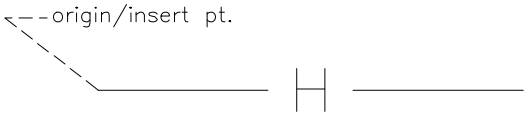
Mechanical MACRC
Element Type: Line
Description: Condenser Water Flow



Mechanical MACRCR
Element Type: Line
Description: Condenser Water Return



Mechanical MACRD
Element Type: Line
Description: Drain



Mechanical MACRH
Element Type: Line
Description: Humidification Line

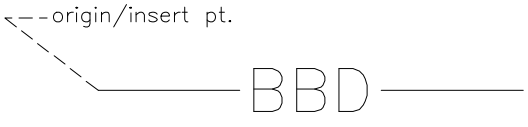
Mechanical MACRRD
Element Type: Line
Description: Refrigerant Discharge

Mechanical MACRRL
Element Type: Line
Description: Refrigerant Liquid

Mechanical MACRRS
Element Type: Line
Description: Refrigerant Suction

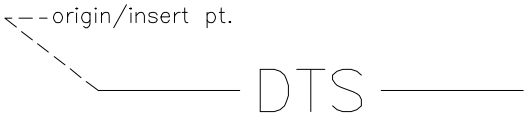
Mechanical MAFILL
Element Type: Line
Description: Fill Line

Mechanical MHATV
Element Type: Line
Description: Air Relief Line

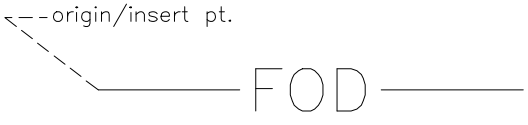


Mechanical MHBBD
Element Type: Line
Description: Boiler Blow Down

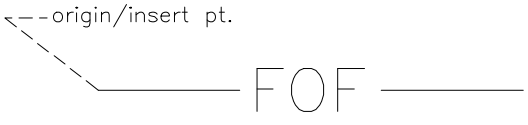
Mechanical MHDTR
Element Type: Line
Description: Dual Temperature Return



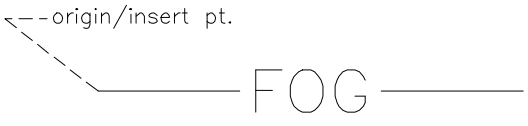
Mechanical MHDTS
Element Type: Line
Description: Dual Temperature Supply



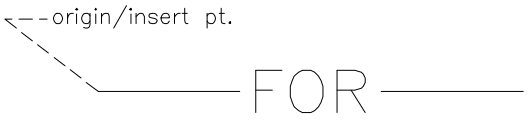
Mechanical MHFOD
Element Type: Line
Description: Fuel Oil Discharge



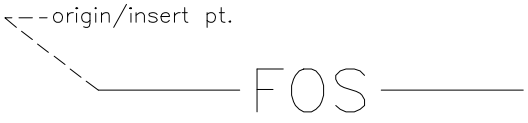
Mechanical MHFOF
Element Type: Line
Description: Fuel Oil Flow



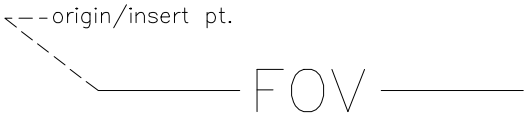
Mechanical MHFOG
Element Type: Line
Description: Fuel Oil Gauge



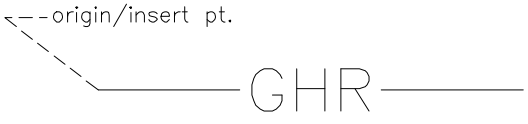
Mechanical MHFOR
Element Type: Line
Description: Fuel Oil Return



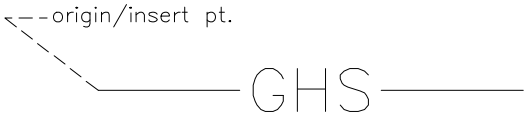
Mechanical MHFOS
Element Type: Line
Description: Fuel Oil Suction Supply



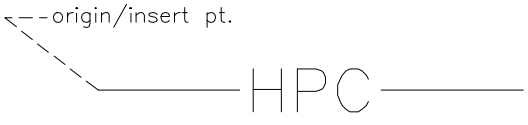
Mechanical MHFOV
Element Type: Line
Description: Fuel Oil Tank Vent



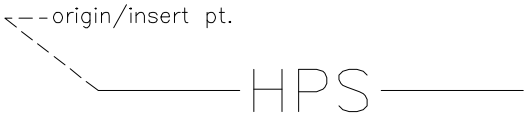
Mechanical MHGHR
Element Type: Line
Description: Glycol Heating Return



Mechanical MHGHS
Element Type: Line
Description: Glycol Heating Supply

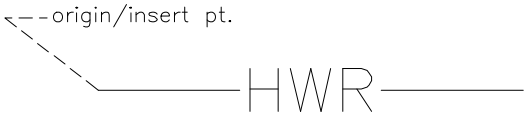


Mechanical MHHPC
Element Type: Line
Description: High Pressure Condensate Return

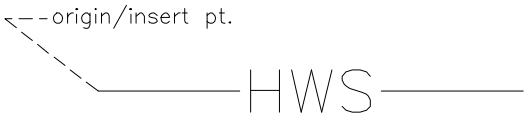


Mechanical MHHPS
Element Type: Line
Description: High Pressure Steam

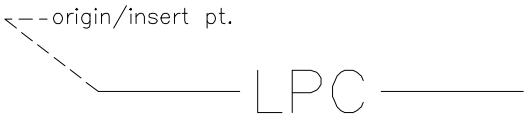
Mechanical MHHTWR
Element Type: Line
Description: High Temperature Hot Water Return



Mechanical MHHWR
Element Type: Line
Description: Low Temperature Hot Water Return



Mechanical MHHWS
Element Type: Line
Description: Low Temperature Hot Water Supply

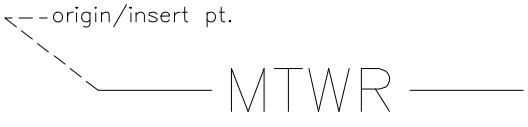


Mechanical MHLPC
Element Type: Line
Description: Low Pressure Condensate Return

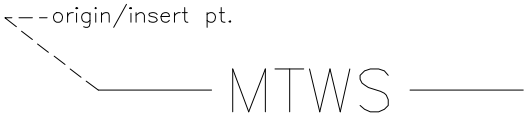
Mechanical MHLPS
Element Type: Line
Description: Low Pressure Steam

Mechanical MHMPC
Element Type: Line
Description: Medium Pressure Condensate Return

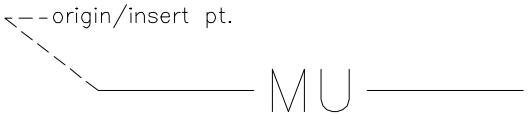
Mechanical MHMPS
Element Type: Line
Description: Medium Pressure Steam



Mechanical MHMTWR
Element Type: Line
Description: Medium Temperature Hot Water Return



Mechanical MHMTWS
Element Type: Line
Description: Medium Temperature Hot Water Supply

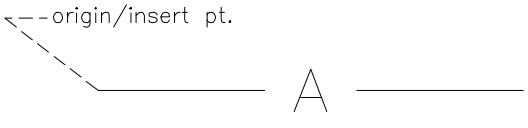


Mechanical MHMU
Element Type: Line
Description: Make Up Water

Mechanical MHPC
Element Type: Line
Description: Pumped Condensate

Mechanical MHVPD
Element Type: Line
Description: Vacuum Pump Discharge

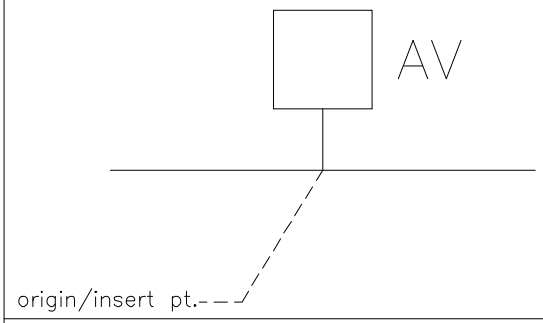
Mechanical MNTWS
Element Type: Line
Description: High Temperature Hot Water Supply



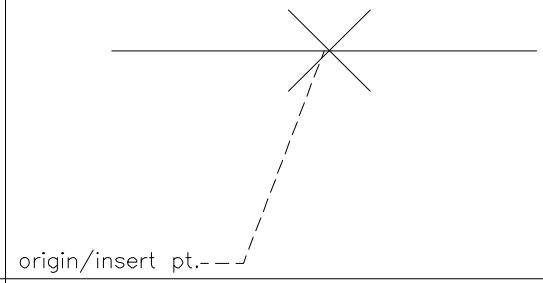
Mechanical MPCAIR
Element Type: Line
Description: Compressed Air

Mechanical MPVACU
Element Type: Line
Description: Vacuum Air

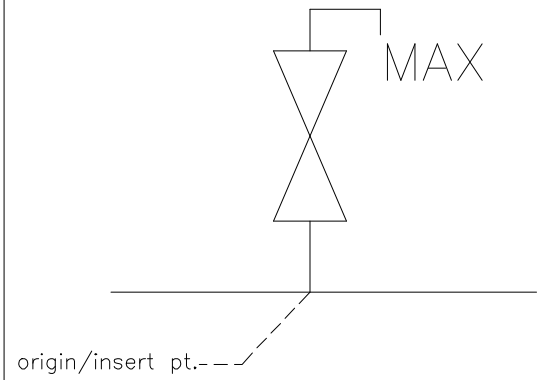
15 Mechanical Symbols Library



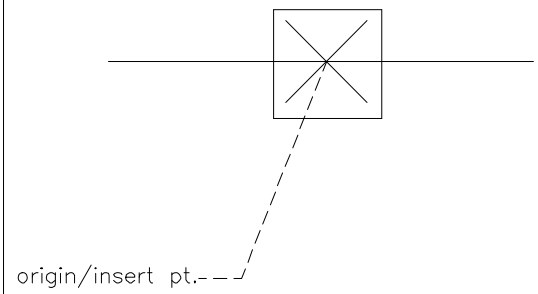
Mechanical MAIVAU
Element Type: Symbol
Description: Automatic Air Vent



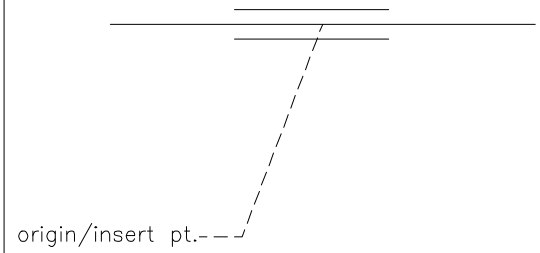
Mechanical MANINT
Element Type: Symbol
Description: Anchor Intermediate



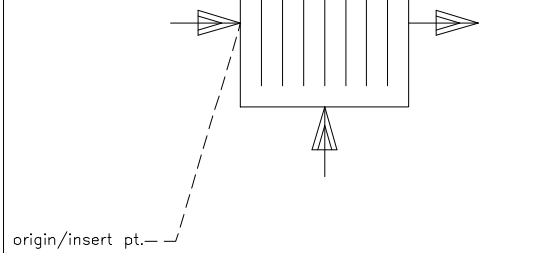
Mechanical MAIVMA
Element Type: Symbol
Description: Manual Air Vent



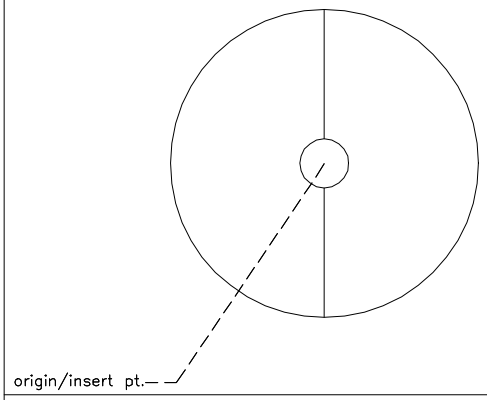
Mechanical MANMAI
Element Type: Symbol
Description: Anchor Main



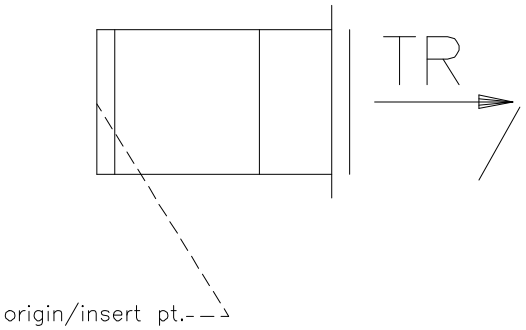
Mechanical MALGUI
Element Type: Symbol
Description: Alignment Guide



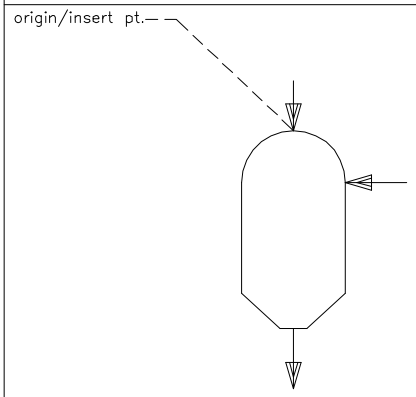
Mechanical MAPHTR
Element Type: Symbol
Description: Air Heater (Plate or Tubular)



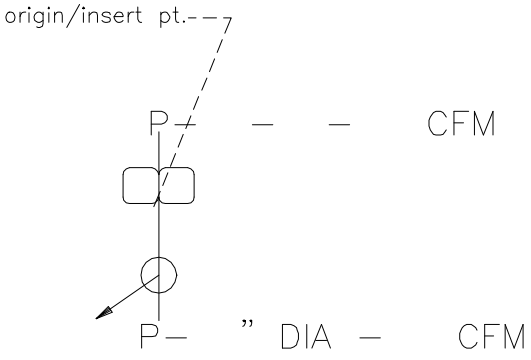
Mechanical MARHTR
Element Type: Symbol
Description: Air Heater (Rotating Type)



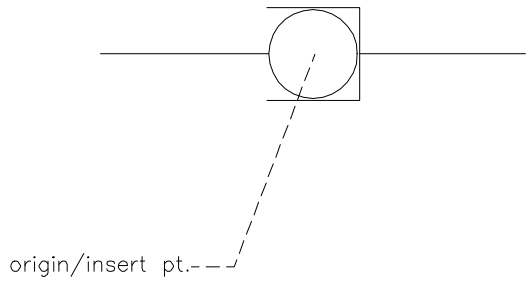
Mechanical MDABLO
Element Type: Symbol
Description: Adjustable Blank Off Damper



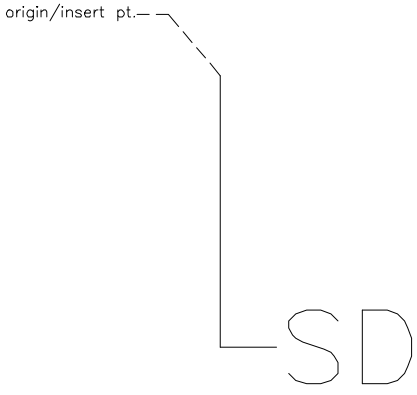
Mechanical MBACON
Element Type: Symbol
Description: Barometric Condenser



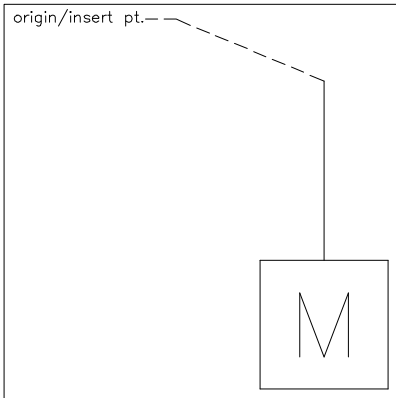
Mechanical MDAPLA
Element Type: Symbol
Description: Adjustable Damper Plaque



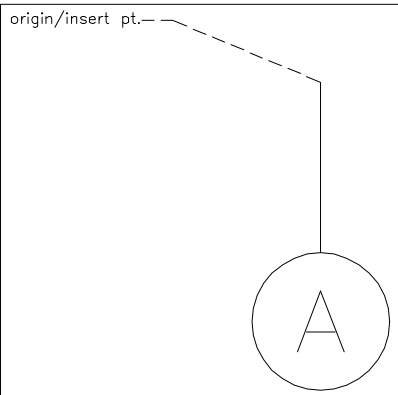
Mechanical MBAJOI
Element Type: Symbol
Description: Ball Joint



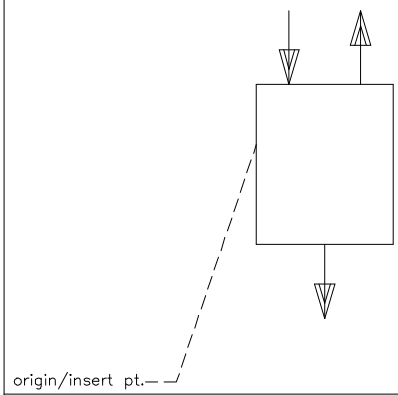
Mechanical MDASMO
Element Type: Symbol
Description: Smoke Damper (1)



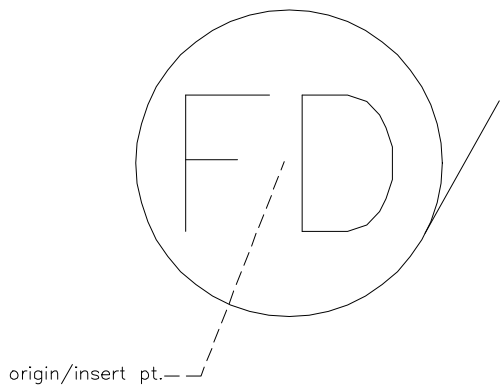
Mechanical MDCELE
Element Type: Symbol
Description: Electric Operated Damper Control



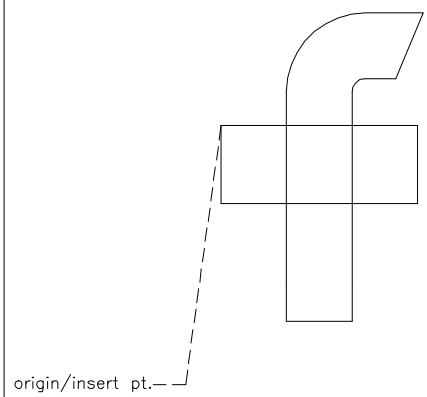
Mechanical MDCPNE
Element Type: Symbol
Description: Pneumatic Operated Damper Control



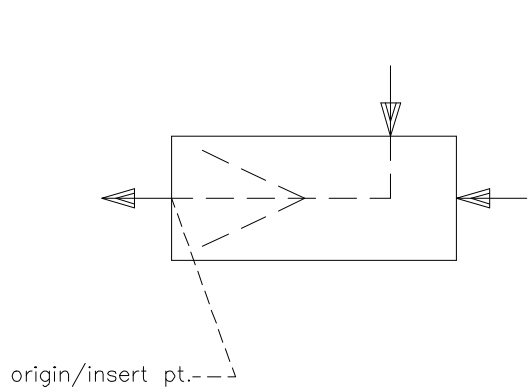
Mechanical MDCHTR
Element Type: Symbol
Description: Direct Contact Feed Water Heater



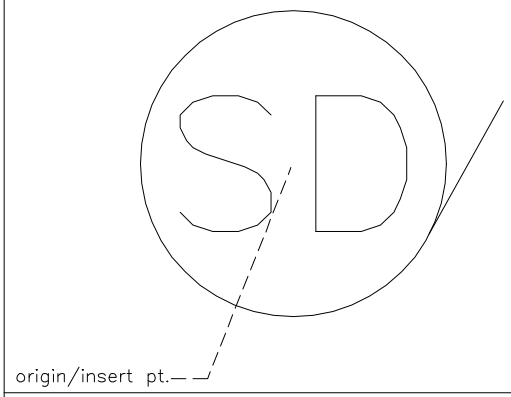
Mechanical MDEFIR
Element Type: Symbol
Description: Fire Detector



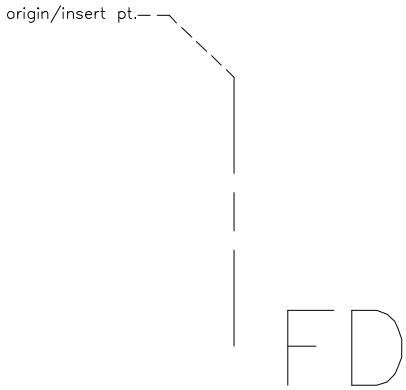
Mechanical MDCOWL
Element Type: Symbol
Description: Ductwork Cowl (Gooseneck)



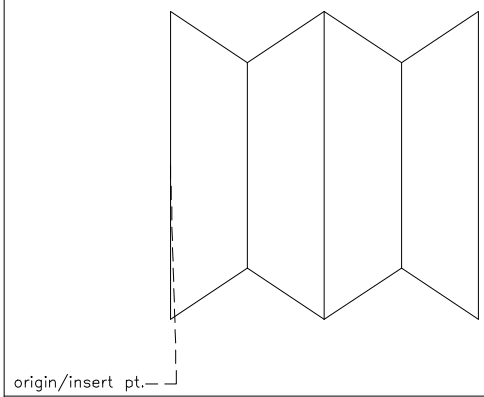
Mechanical MDEHTR
Element Type: Symbol
Description: Desuperheater Heater



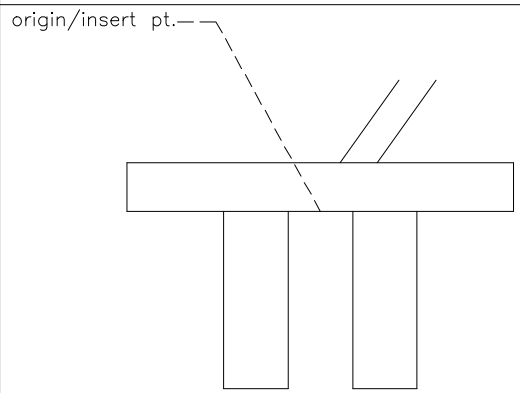
Mechanical MDESMO
Element Type: Symbol
Description: Smoke Detector (1)



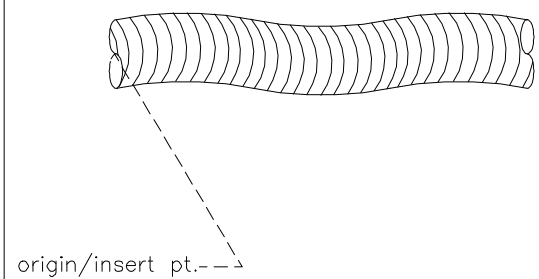
Mechanical MDFIRE
Element Type: Symbol
Description: Fire Damper (1)



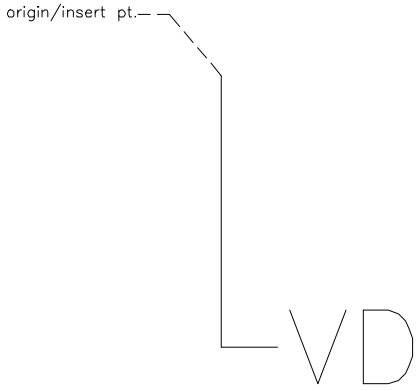
Mechanical MDFCON
Element Type: Symbol
Description: Flexible Ductwork Connector



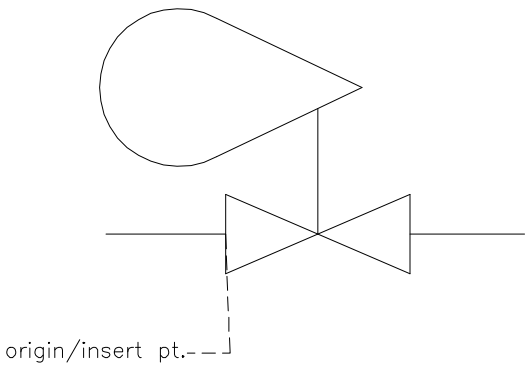
Mechanical MDHDEL
Element Type: Symbol
Description: Damper Heater, Duct, Electric



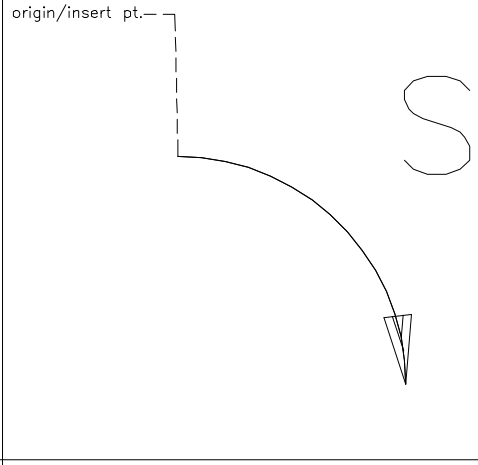
Mechanical MDFDUC
Element Type: Symbol
Description: Flexible Duct



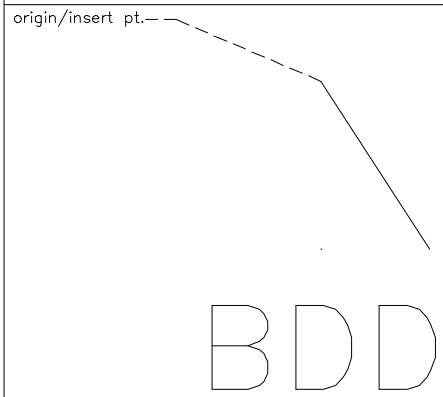
Mechanical MDMVOL
Element Type: Symbol
Description: Manual Volume Damper



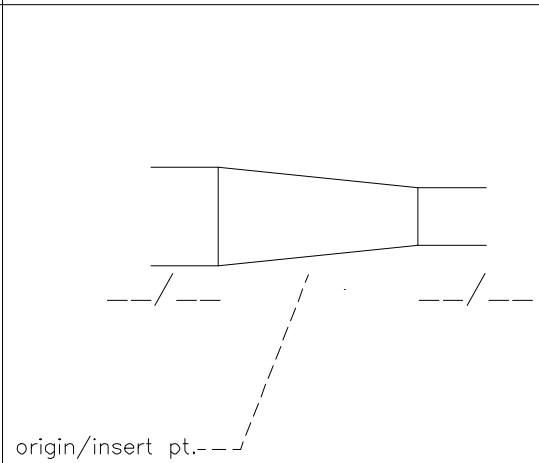
Mechanical MDRCON
Element Type: Symbol
Description: Liquid Level Controller



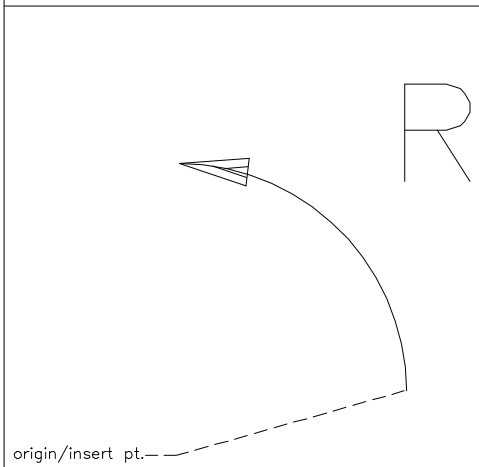
Mechanical MDSBSU
Element Type: Symbol
Description: Damper, Standard Branch, Supply



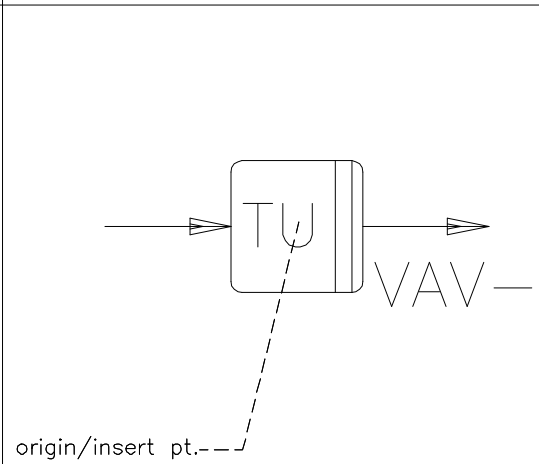
Mechanical MDRDAM
Element Type: Symbol
Description: Back Draft Damper



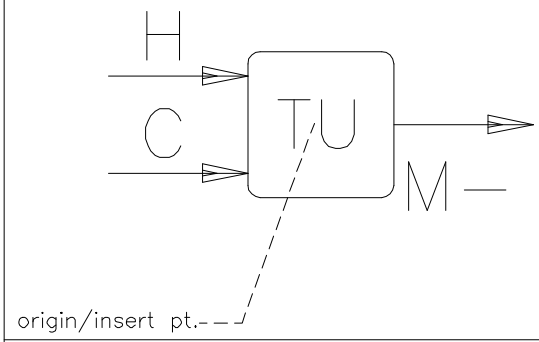
Mechanical MDTRAN
Element Type: Symbol
Description: Transition



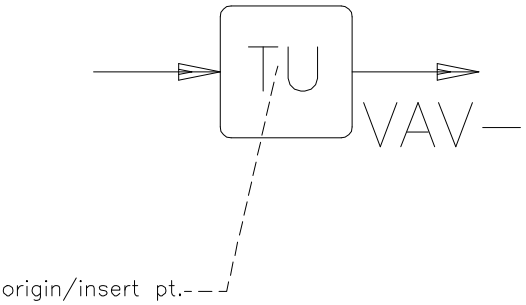
Mechanical MDSBRT
Element Type: Symbol
Description: Damper, Standard Branch, Return



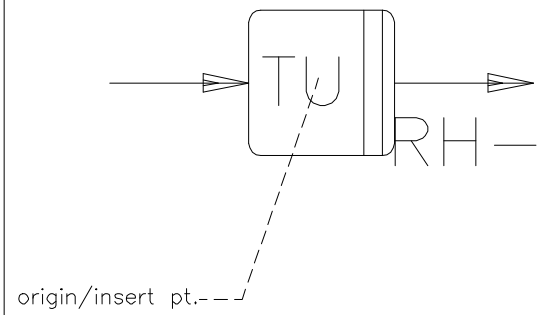
Mechanical MDTREH
Element Type: Symbol
Description: Variable Volume Terminal Unit, Reheat



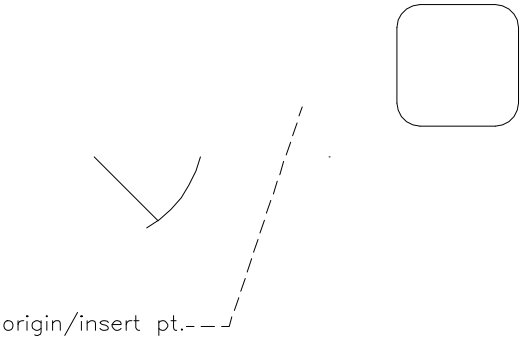
Mechanical MDTUMI
Element Type: Symbol
Description: Mixing Terminal Unit



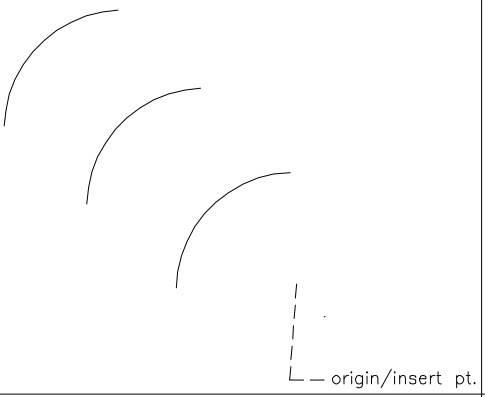
Mechanical MDTVAR
Element Type: Symbol
Description: VariableTerminal Unit



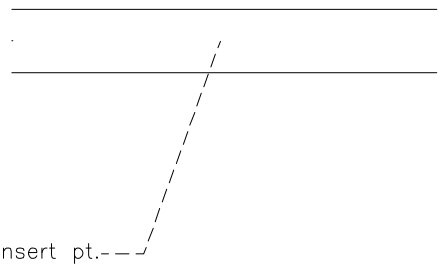
Mechanical MDTURE
Element Type: Symbol
Description: Reheat Terminal Unit



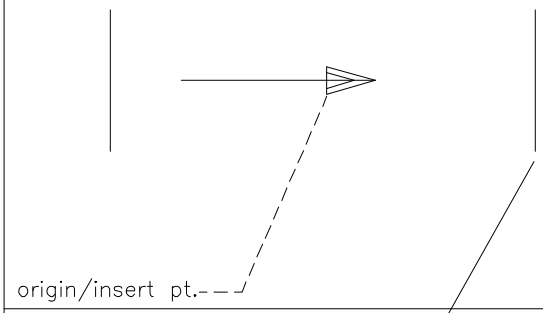
Mechanical MDUACC
Element Type: Symbol
Description: Ductwork Access Door, Vertical or Horizontal



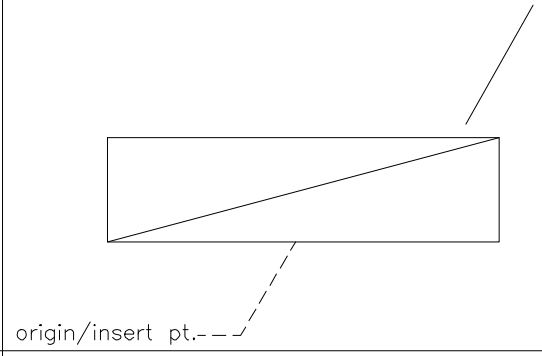
Mechanical MDTVAN
Element Type: Symbol
Description: Turning Vane



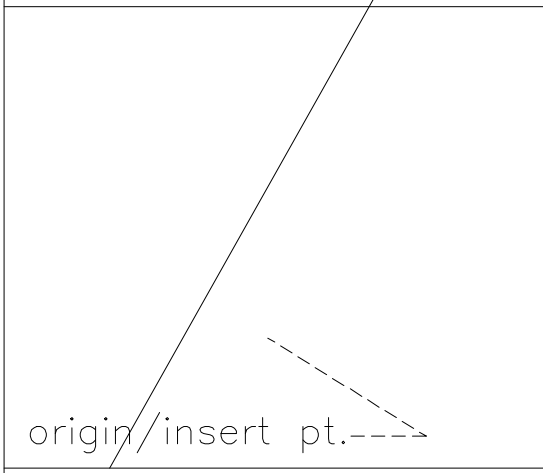
Mechanical MDUACL
Element Type: Symbol
Description: Acoustical Insulation Ductwork Lining



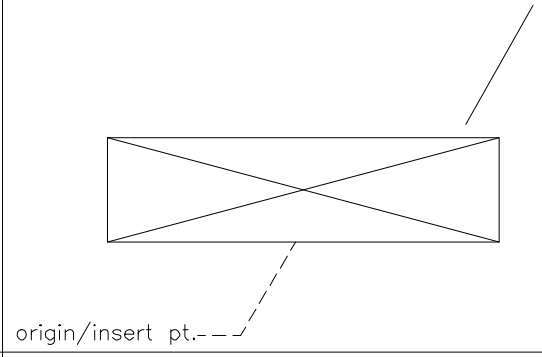
Mechanical MDUCEL
Element Type: Symbol
Description: Ductwork Change in Elevation



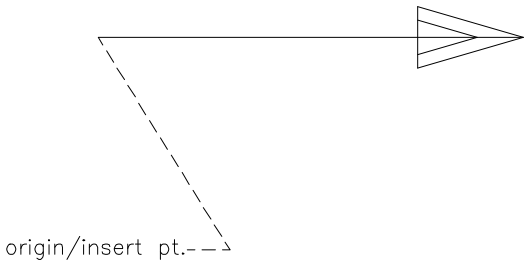
Mechanical MDUSNP
Element Type: Symbol
Description: Negative Pressure Return Duct Section



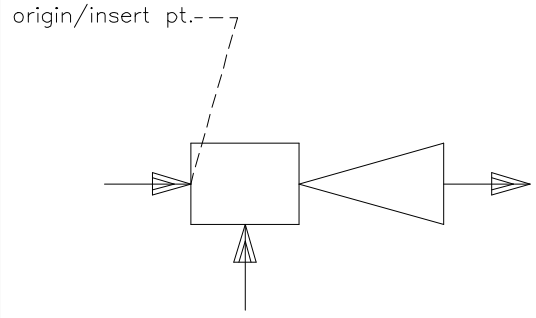
Mechanical MDUCTS
Element Type: Symbol
Description: Duct Size, 1st Figure is Side Shown



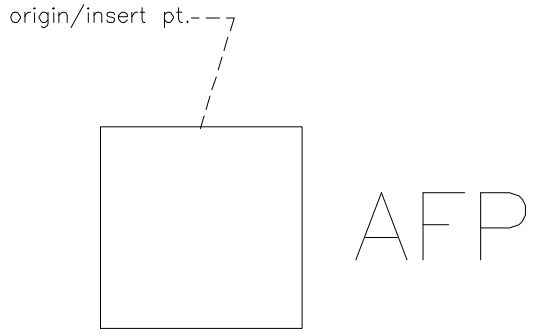
Mechanical MDUSPP
Element Type: Symbol
Description: Positive Pressure Supply Duct Section



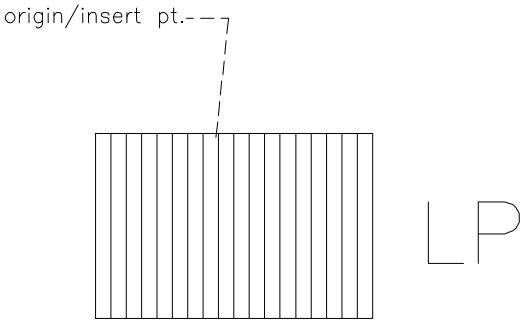
Mechanical MDUCTW
Element Type: Symbol
Description: Ductwork Direction of Flow



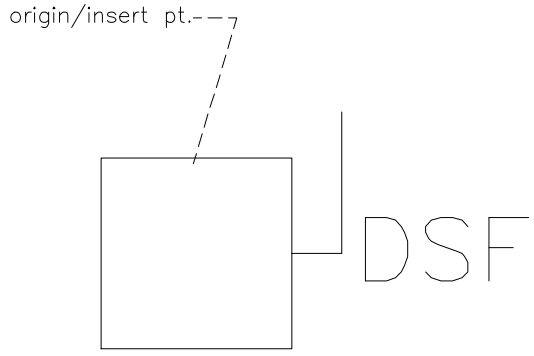
Mechanical MDYPMP
Element Type: Symbol
Description: Dynamic Pump



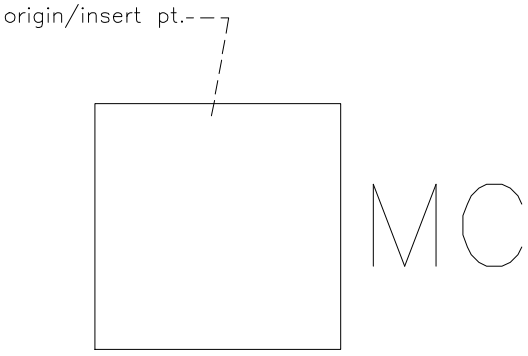
Mechanical MEEAFP
Element Type: Symbol
Description: Automatic Filter Panel



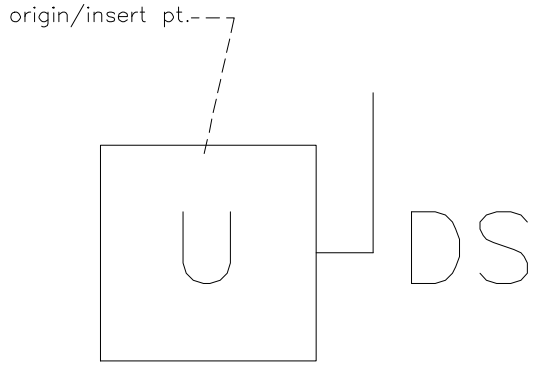
Mechanical MEELPN
Element Type: Symbol
Description: Lighting Panel



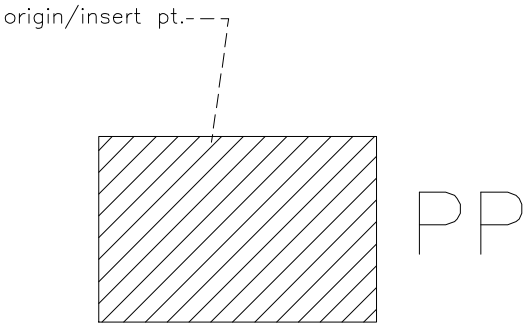
Mechanical MEEDSF
Element Type: Symbol
Description: Disconnect Switch, Fused



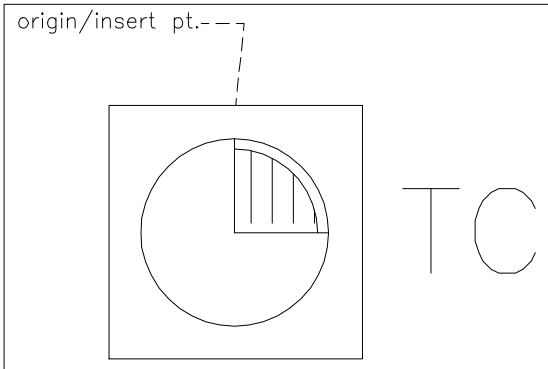
Mechanical MEEMCO
Element Type: Symbol
Description: Motor Control



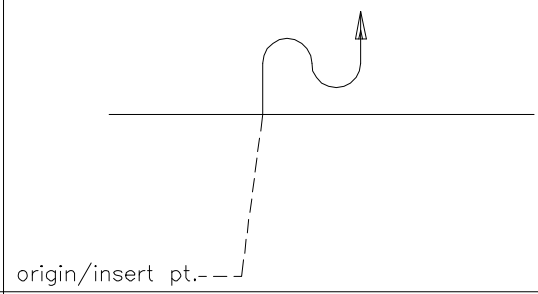
Mechanical MEEDSU
Element Type: Symbol
Description: Disconnect Switch, Unfused



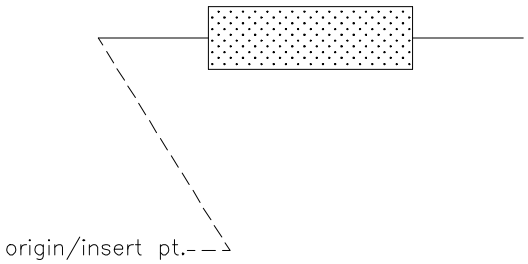
Mechanical MEEPPN
Element Type: Symbol
Description: Power Panel



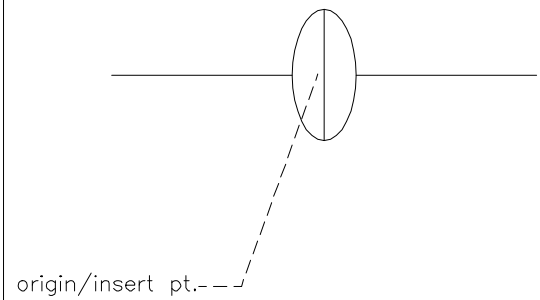
Mechanical MEETCL
Element Type: Symbol
Description: Time Clock



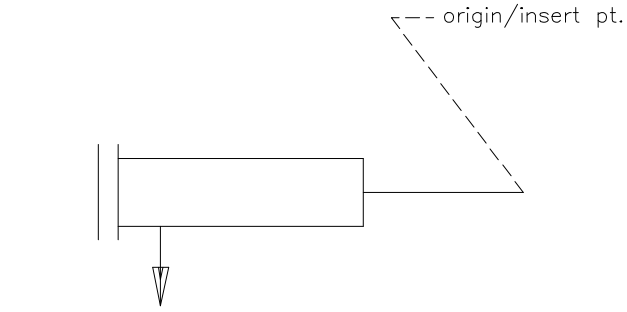
Mechanical MERFLK
Element Type: Symbol
Description: Fusible Link



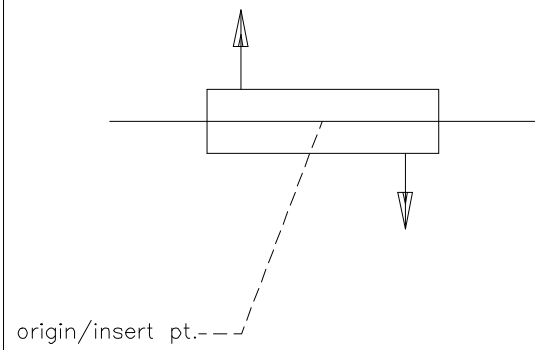
Mechanical MERDRI
Element Type: Symbol
Description: Drier



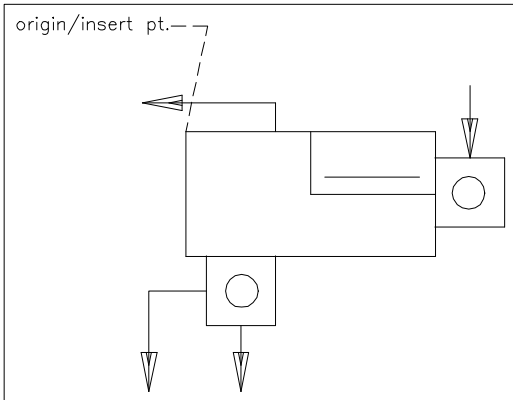
Mechanical MERFLN
Element Type: Symbol
Description: Filter Line



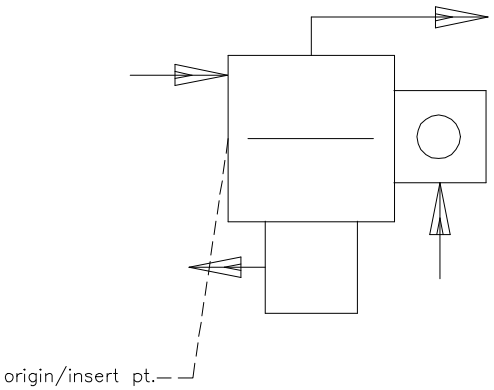
Mechanical MERFDR
Element Type: Symbol
Description: Filter and Drier



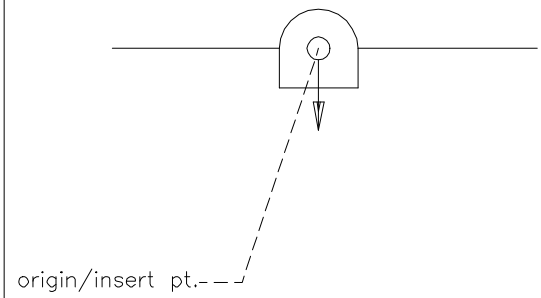
Mechanical MERHEX
Element Type: Symbol
Description: Heat Exchanger



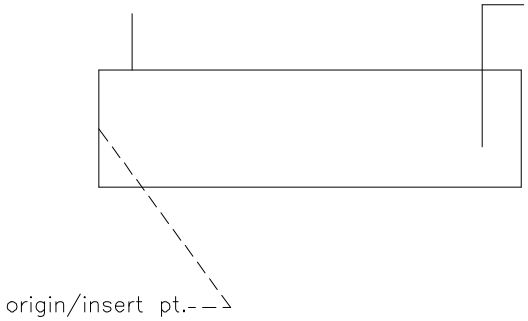
Mechanical MERIDS
Element Type: Symbol
Description: Intercooler Desuperheater



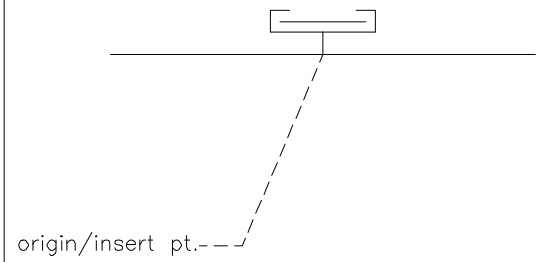
Mechanical MERRLP
Element Type: Symbol
Description: Low Pressure Receiver



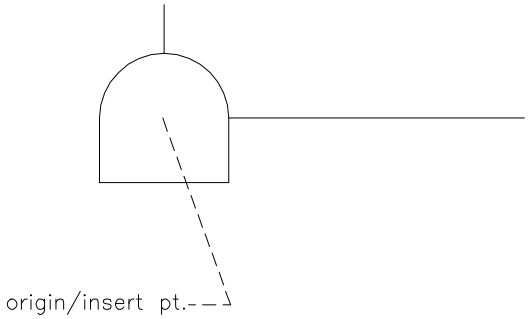
Mechanical MEROSP
Element Type: Symbol
Description: Oil Separator



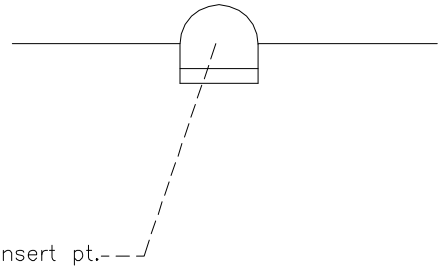
Mechanical MERRPH
Element Type: Symbol
Description: High Pressure Horizontal Receiver



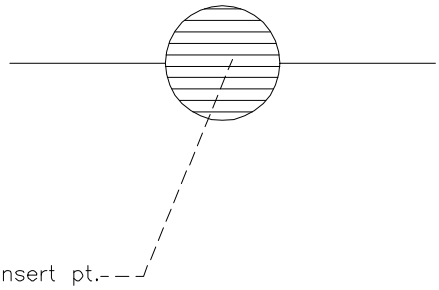
Mechanical MERRDS
Element Type: Symbol
Description: Rupture Disc



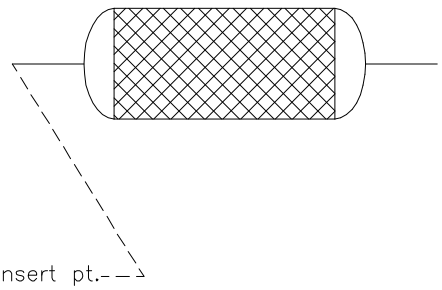
Mechanical MERRPV
Element Type: Symbol
Description: High Pressure Vertical Receiver



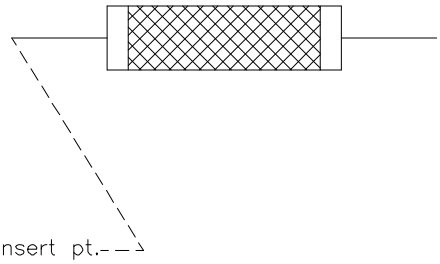
Mechanical MERSCT
Element Type: Symbol
Description: Trap Scale



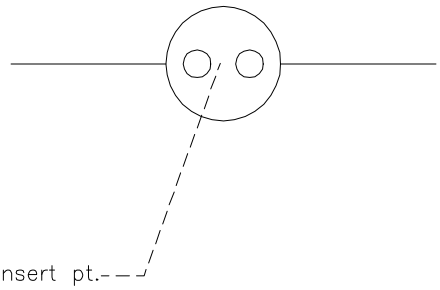
Mechanical MERSTR
Element Type: Symbol
Description: Strainer (1)



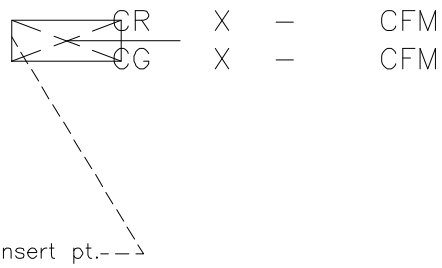
Mechanical MERSFL
Element Type: Symbol
Description: Filter and Strainer Line



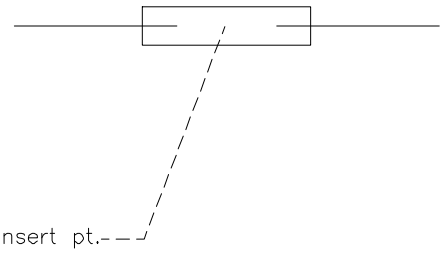
Mechanical MERVAB
Element Type: Symbol
Description: Vibration Absorber



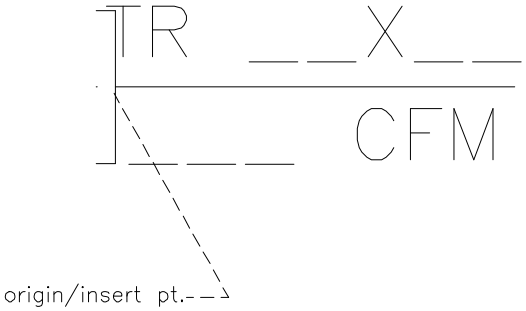
Mechanical MERSGL
Element Type: Symbol
Description: Sight Glass



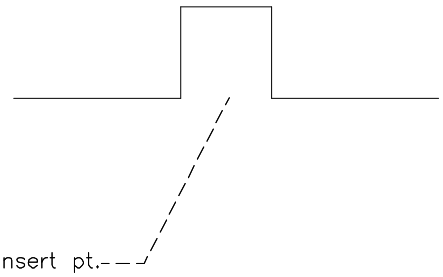
Mechanical MEXCEI
Element Type: Symbol
Description: Exhaust Inlet Ceiling Ductwork



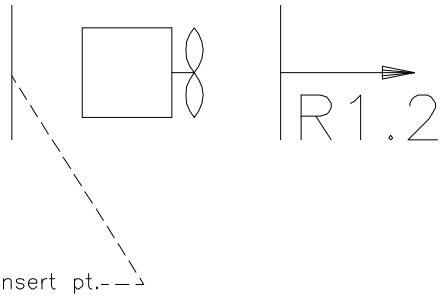
Mechanical MEXJOI
Element Type: Symbol
Description: Expansion Joint



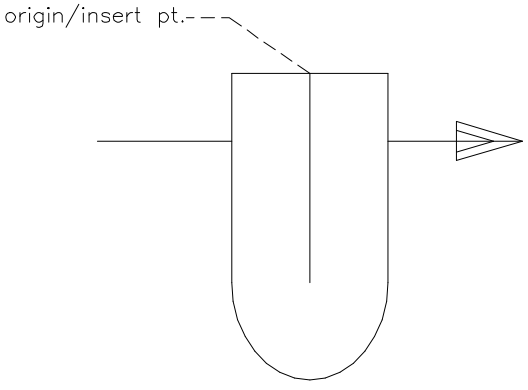
Mechanical MEXWAL
Element Type: Symbol
Description: Exhaust Inlet Wall Ductwork



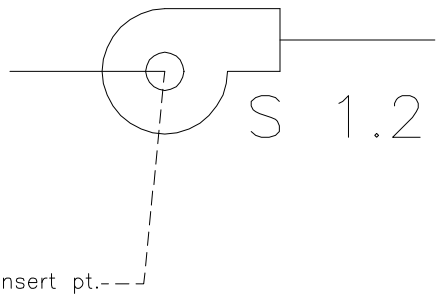
Mechanical MEXLOP
Element Type: Symbol
Description: Expansion Loop



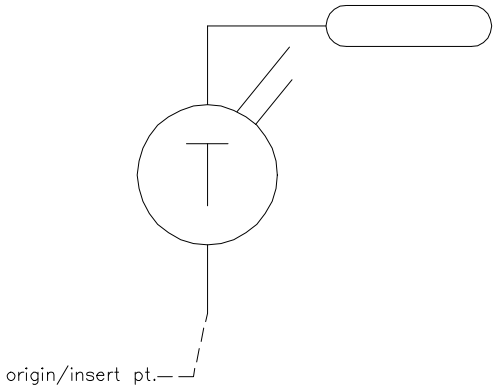
Mechanical MFAFLO
Element Type: Symbol
Description: Axial Flow Fan



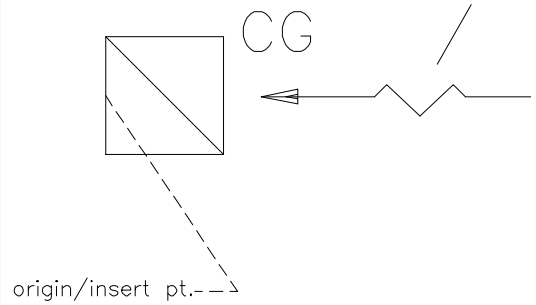
Mechanical MEXTRA
Element Type: Symbol
Description: Extractor



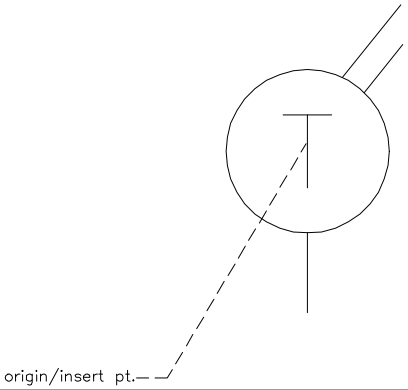
Mechanical MFCPUM
Element Type: Symbol
Description: Centrifugal Fan, Pump



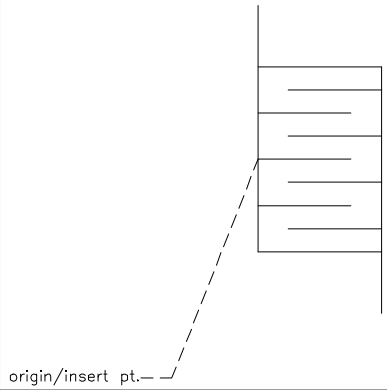
Mechanical MFCTRB
Element Type: Symbol
Description: Remote Bulb Thermostat



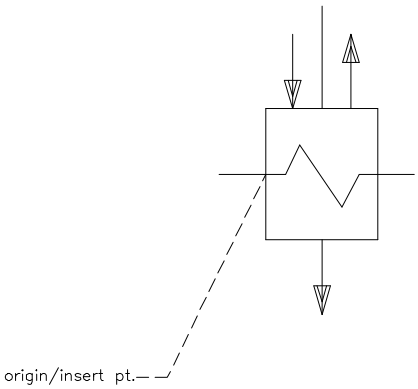
Mechanical MFGEXH
Element Type: Symbol
Description: Ceiling Exhaust Register Grille



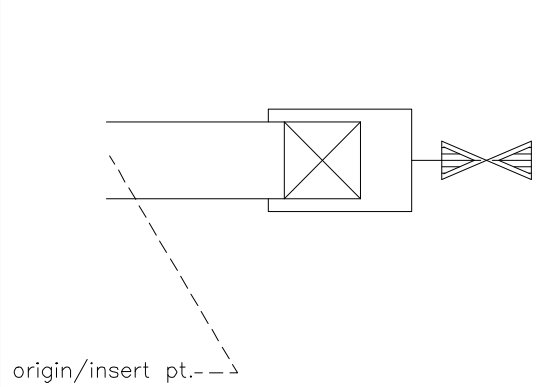
Mechanical MFCTSC
Element Type: Symbol
Description: Self Contained Thermostat



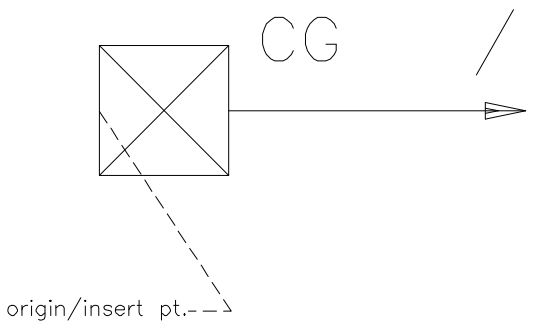
Mechanical MFGREH
Element Type: Symbol
Description: Heater Flue Gas Reheater



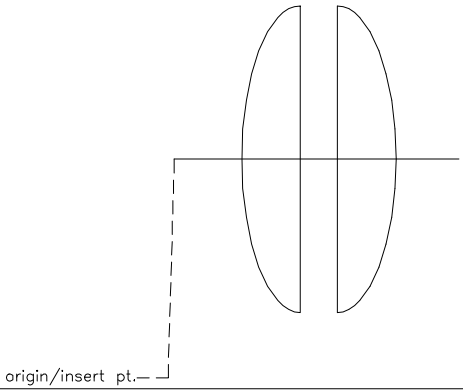
Mechanical MFEHTR
Element Type: Symbol
Description: Heater Feed w/Air Outlet



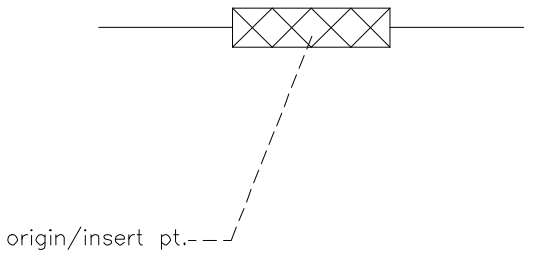
Mechanical MFGSTO
Element Type: Symbol
Description: Fire Rated Ceiling Heat Stop



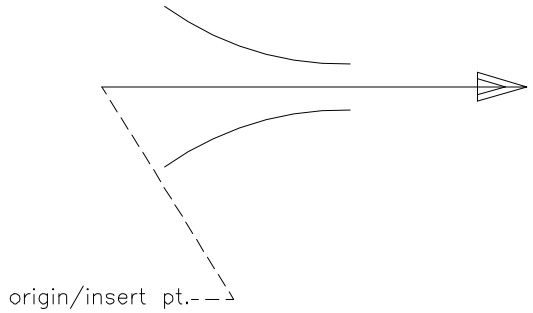
Mechanical MFGSUP
Element Type: Symbol
Description: Ceiling Supply Register Grille



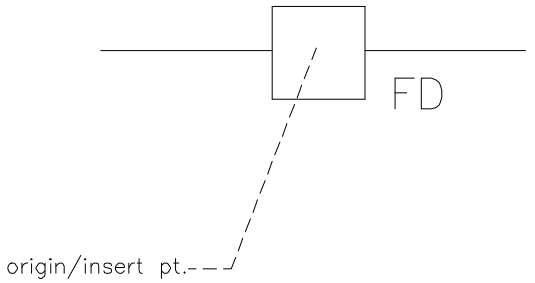
Mechanical MFLDRI
Element Type: Symbol
Description: Drive Fluid



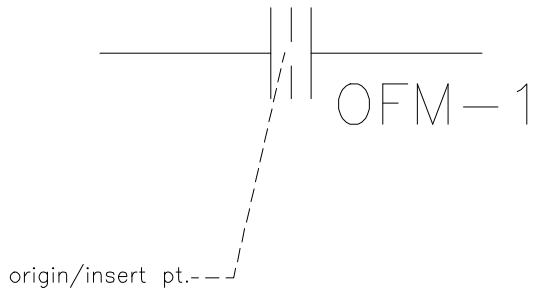
Mechanical MFLCON
Element Type: Symbol
Description: Flexible Connector



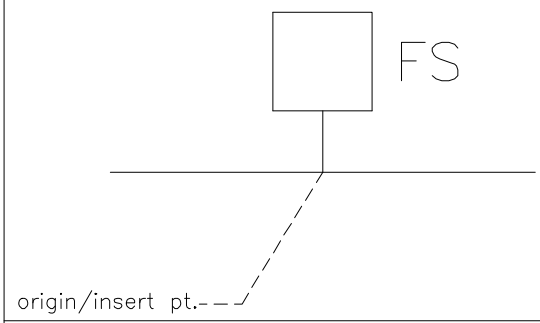
Mechanical MFLNOZ
Element Type: Symbol
Description: Nozzle Flow



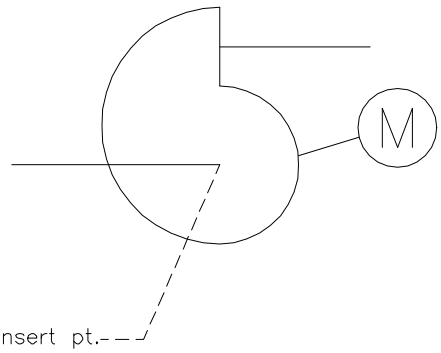
Mechanical MFLDRA
Element Type: Symbol
Description: Floor Drain



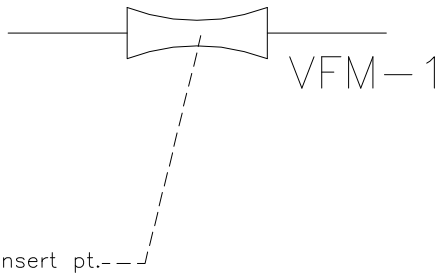
Mechanical MFLORI
Element Type: Symbol
Description: Orifice Flowmeter



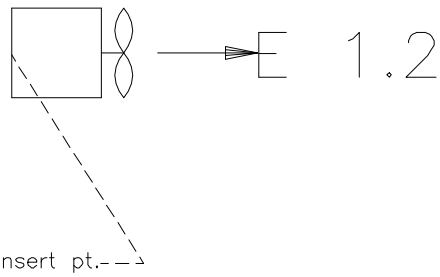
Mechanical MFLSWI
Element Type: Symbol
Description: Flow Switch



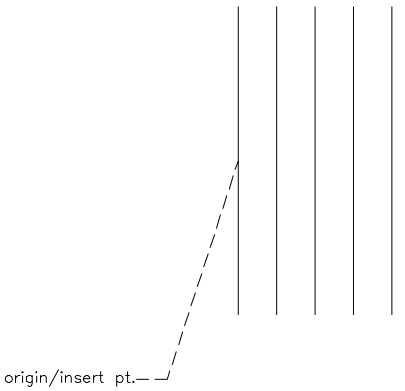
Mechanical MFNBLO
Element Type: Symbol
Description: Blower Fan



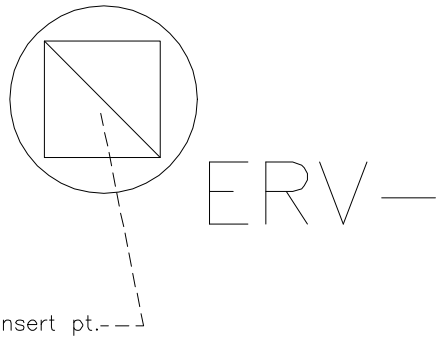
Mechanical MFLVEN
Element Type: Symbol
Description: Venturi Flowmeter



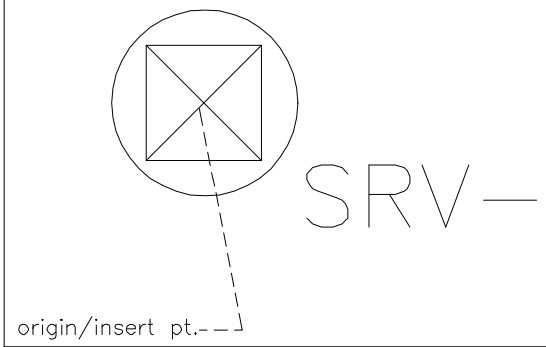
Mechanical MFPROP
Element Type: Symbol
Description: Propeller Fan



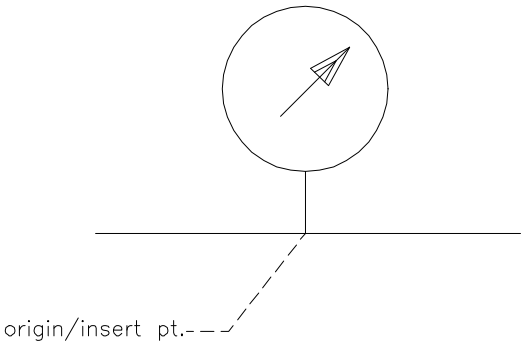
Mechanical MFLXCO
Element Type: Symbol
Description: Canvas Connection



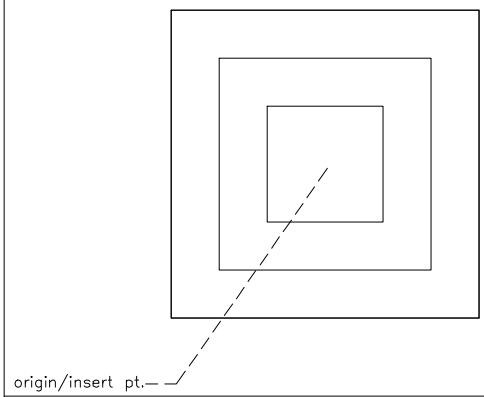
Mechanical MFREXH
Element Type: Symbol
Description: Exhaust Roof Vent Fan



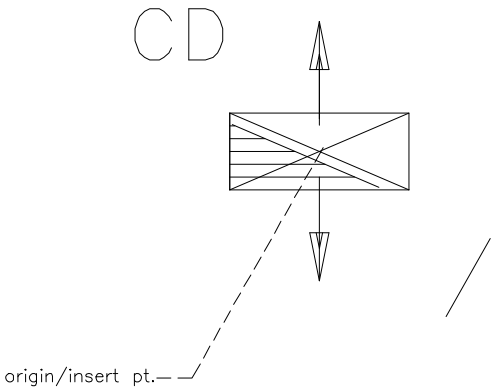
Mechanical MFRINT
Element Type: Symbol
Description: Intake Roof Vent Fan



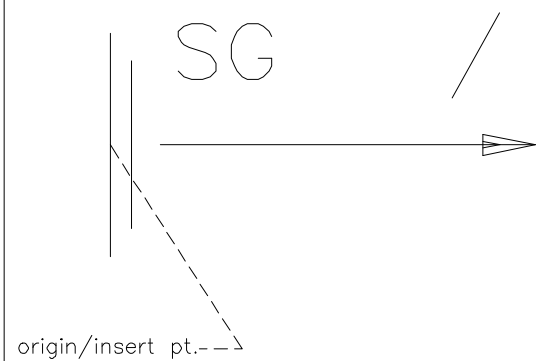
Mechanical MGAUGE
Element Type: Symbol
Description: Gauge



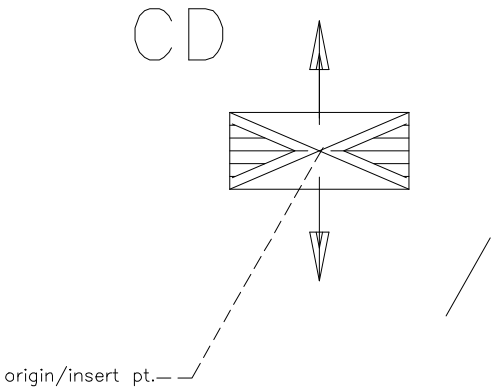
Mechanical MFRLOU
Element Type: Symbol
Description: Louvered Roof Vent Fan



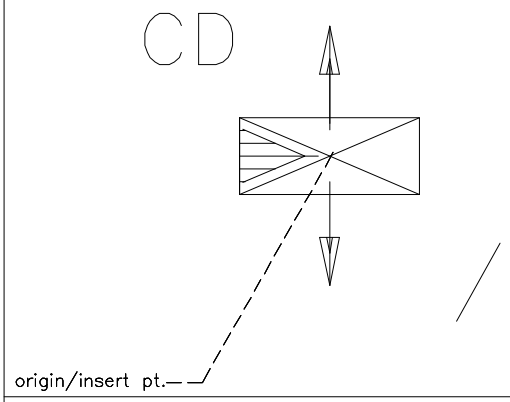
Mechanical MGCDCB
Element Type: Symbol
Description: Ceiling Diffuser, Corner Blow



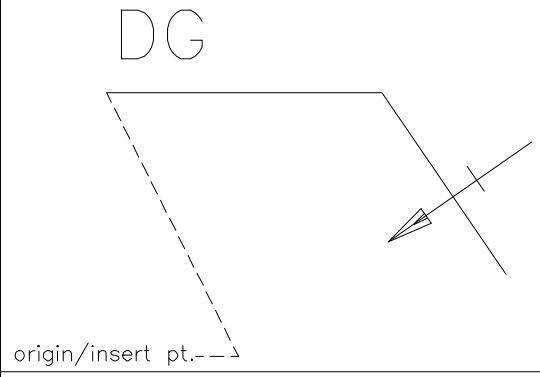
Mechanical MFSOUT
Element Type: Symbol
Description: Supply Outlet (Wall Supply)



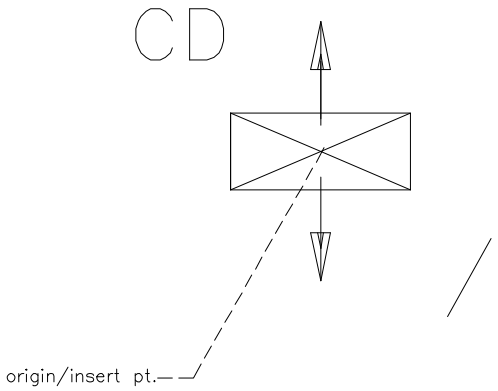
Mechanical MGCDI2
Element Type: Symbol
Description: 2-Way Ceiling Diffuser, Rect. or Square



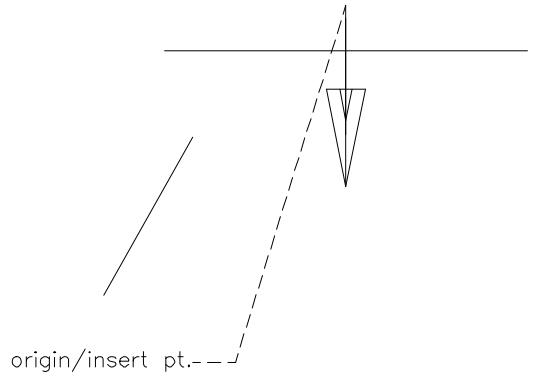
Mechanical MGCDI3
Element Type: Symbol
Description: 3-Way Ceiling Diffuser, Rect. or Square



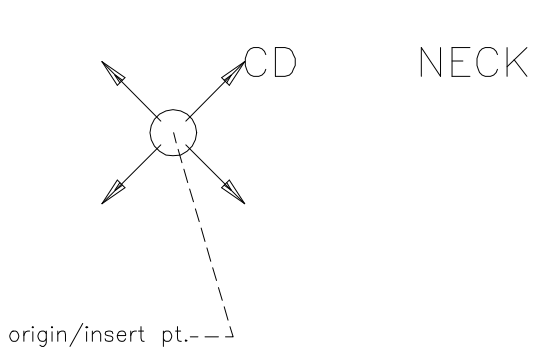
Mechanical MGDGRL
Element Type: Symbol
Description: Door Grille



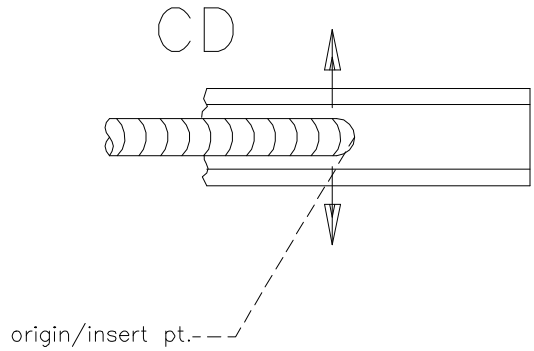
Mechanical MGCDI4
Element Type: Symbol
Description: 4-Way Ceiling Diffuser, Rect. or Square



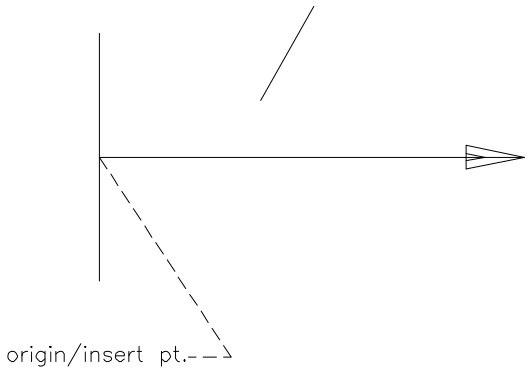
Mechanical MGDLIN
Element Type: Symbol
Description: Linear Diffuser



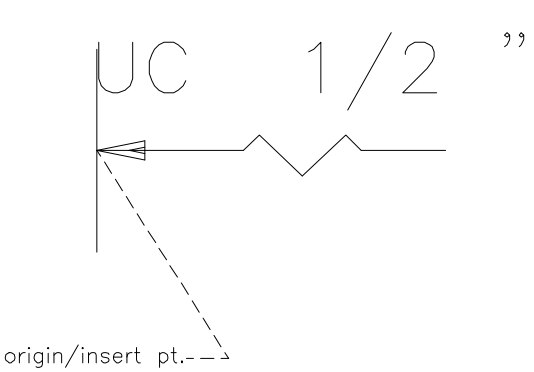
Mechanical MGCDIR
Element Type: Symbol
Description: Round Ceiling Diffuser



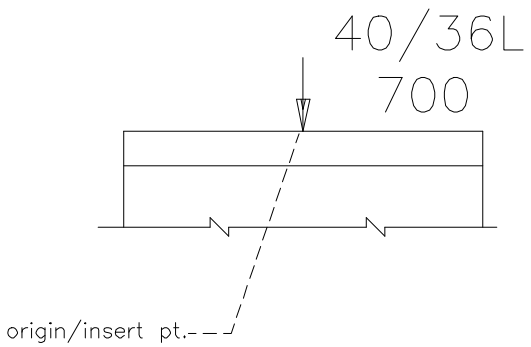
Mechanical MGDLIT
Element Type: Symbol
Description: Combination Light and Ceiling Diffuser



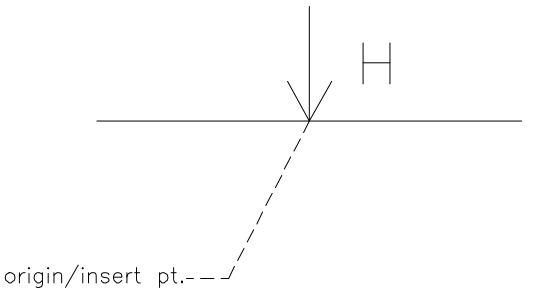
Mechanical MGLOPN
Element Type: Symbol
Description: Door or Wall Louver Opening



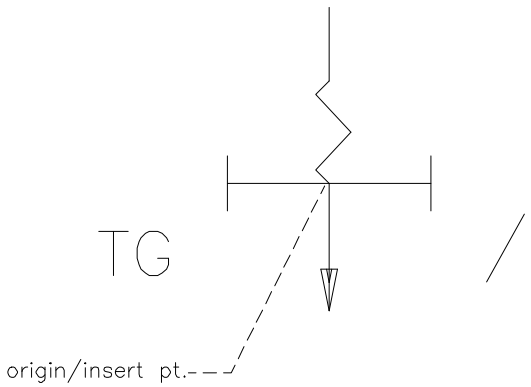
Mechanical MGUDOR
Element Type: Symbol
Description: Undercut Door



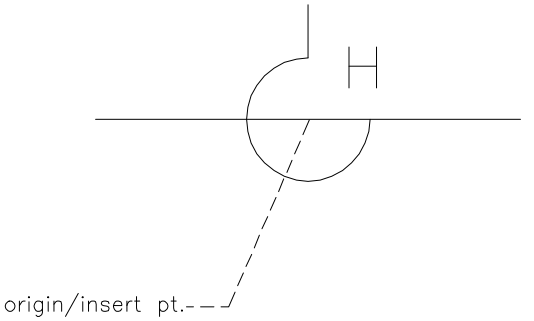
Mechanical MGLSCR
Element Type: Symbol
Description: Louver Intake and Screen



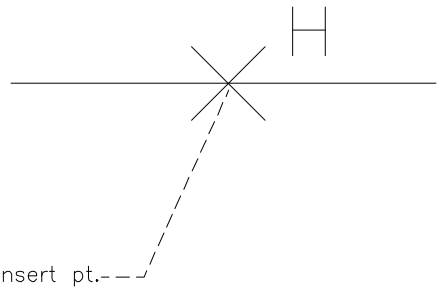
Mechanical MHAROD
Element Type: Symbol
Description: Hanger Rod



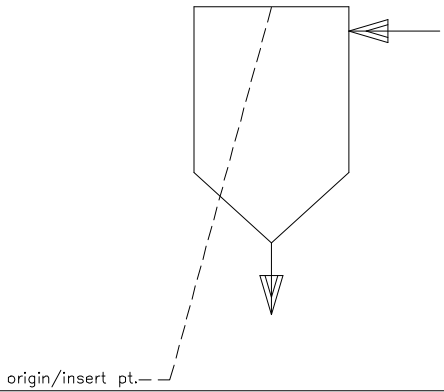
Mechanical MGTRGA
Element Type: Symbol
Description: Transfer Grille Assembly



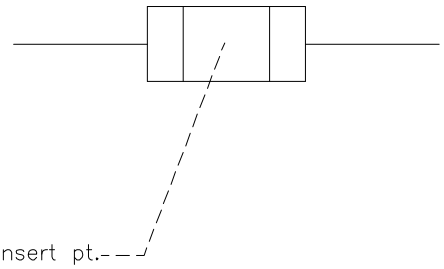
Mechanical MHASPR
Element Type: Symbol
Description: Hanger Spring



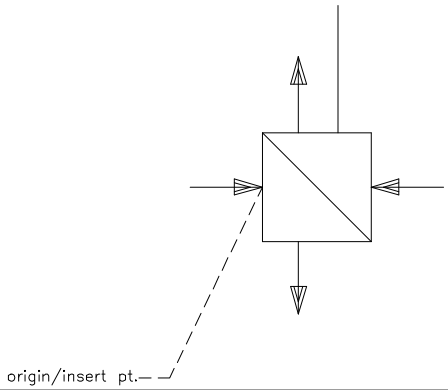
Mechanical MHASUP
Element Type: Symbol
Description: Hanger or Support



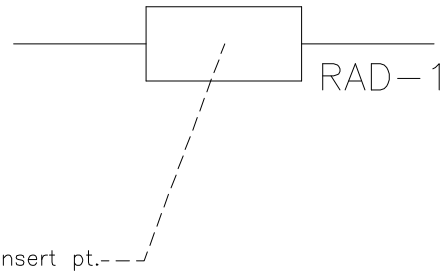
Mechanical MJTCON
Element Type: Symbol
Description: Condenser Jet



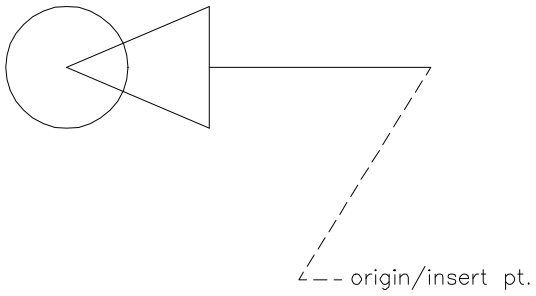
Mechanical MHELIQ
Element Type: Symbol
Description: Liquid Heat Exchanger



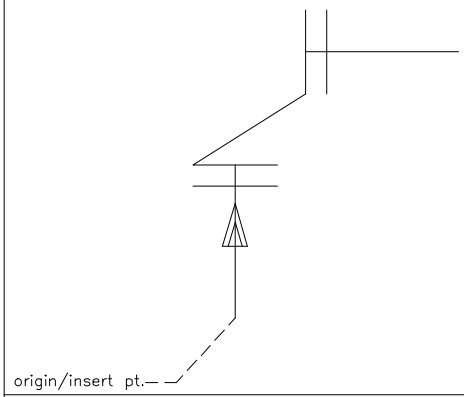
Mechanical MLSREH
Element Type: Symbol
Description: Live Steam Superheater Heater



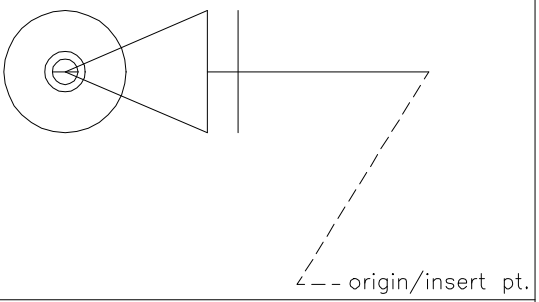
Mechanical MHETSU
Element Type: Symbol
Description: Heat Transfer Surface



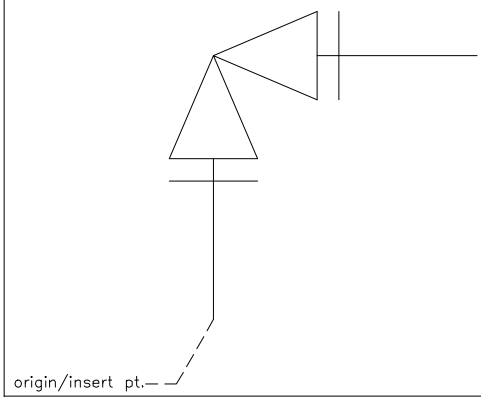
Mechanical MPABGP
Element Type: Symbol
Description: Angle Gate Valve, Screwed (Plan)



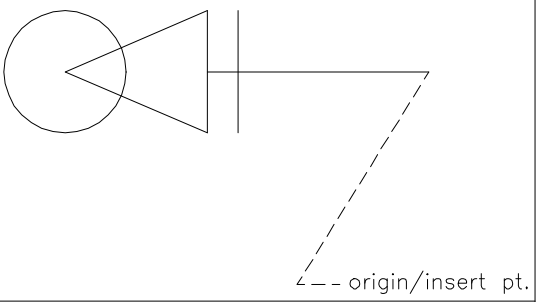
Mechanical MPAFCH
Element Type: Symbol
Description: Angle Check Valve, Flanged



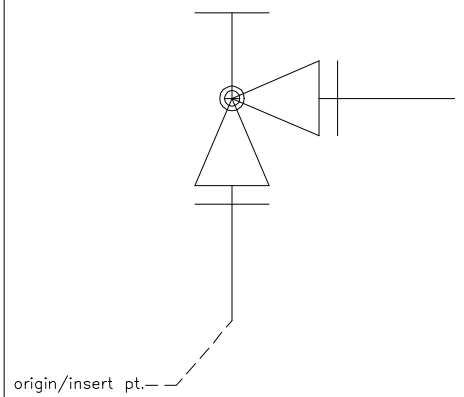
Mechanical MPAFGO
Element Type: Symbol
Description: Angle Globe Valve, Flanged (Plan)



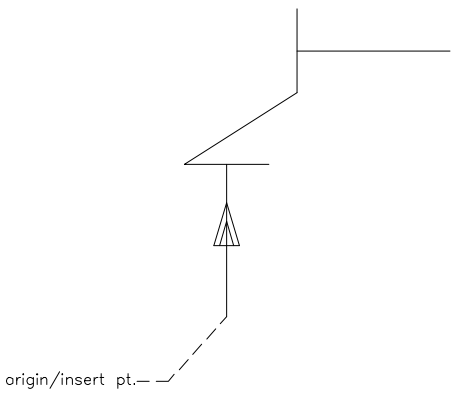
Mechanical MPAFGE
Element Type: Symbol
Description: Angle Gate Valve, Flanged (Elevation)



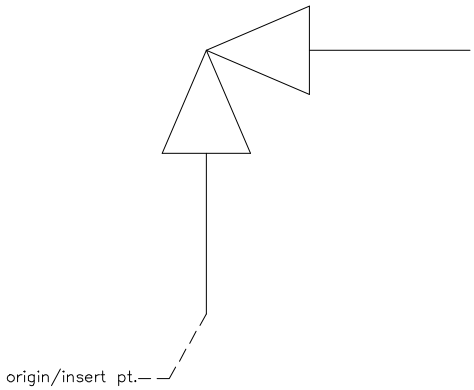
Mechanical MPAFGP
Element Type: Symbol
Description: Angle Gate Valve, Flanged (Plan)



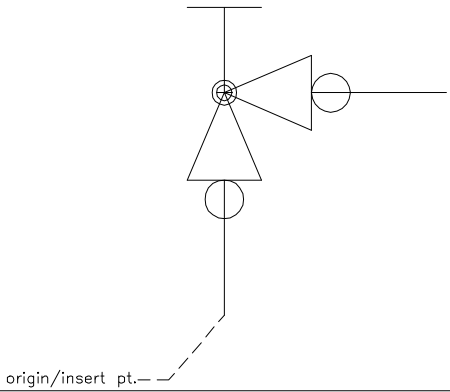
Mechanical MPAFGL
Element Type: Symbol
Description: Angle Globe Valve, Flanged (Elevation)



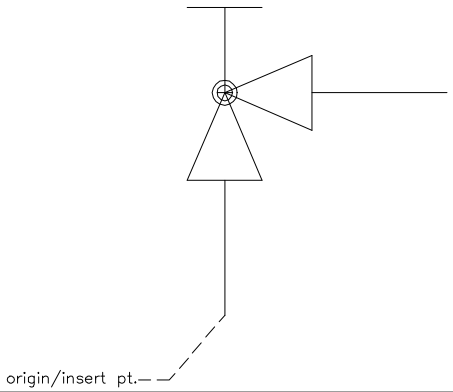
Mechanical MPASCH
Element Type: Symbol
Description: Angle Check Valve, Screwed



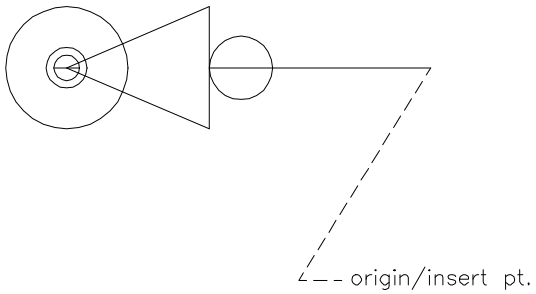
Mechanical MPASGE
Element Type: Symbol
Description: Angle Gate Valve, Screwed (Elevation)



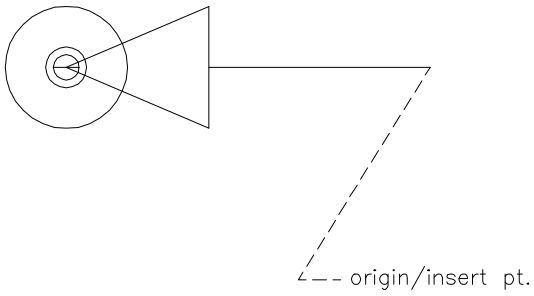
Mechanical MPASLG
Element Type: Symbol
Description: Angle Globe Valve, Soldered (Elevation)



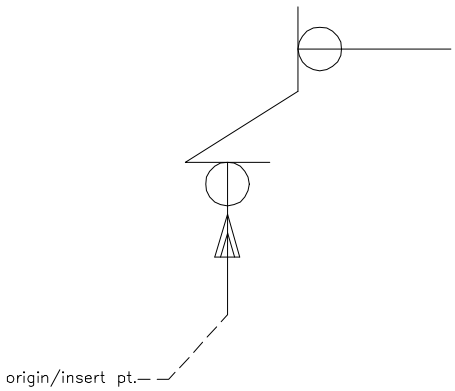
Mechanical MPASGL
Element Type: Symbol
Description: Angle Globe Valve, Screwed (Elevation)



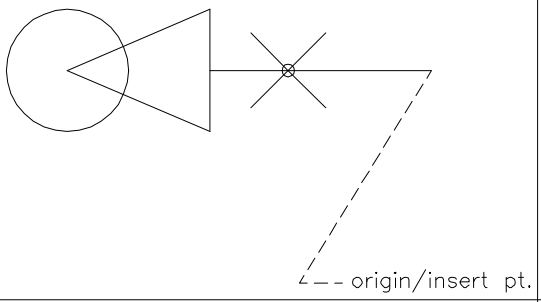
Mechanical MPASLO
Element Type: Symbol
Description: Angle Globe Valve, Soldered (Plan)



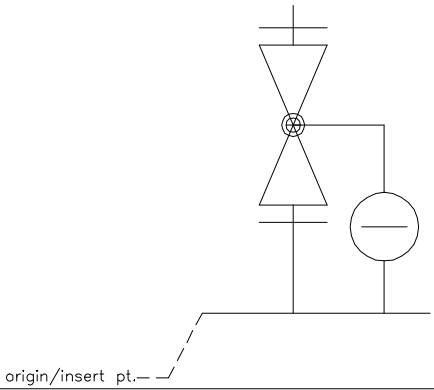
Mechanical MPASGO
Element Type: Symbol
Description: Angle Globe Valve, Screwed (Plan)



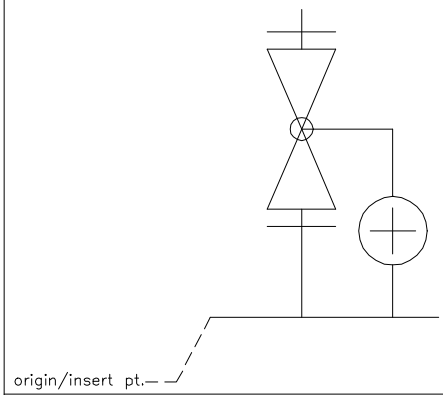
Mechanical MPASOC
Element Type: Symbol
Description: Angle Check Valve, Soldered



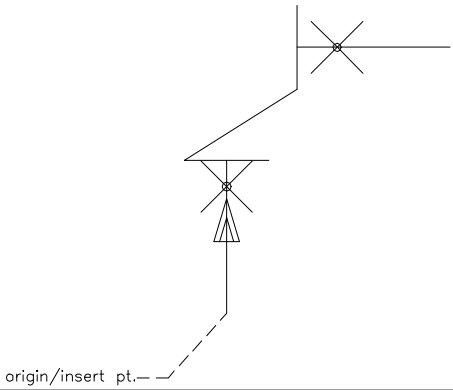
Mechanical MPASOP
Element Type: Symbol
Description: Angle Gate Valve, Welded (Plan)



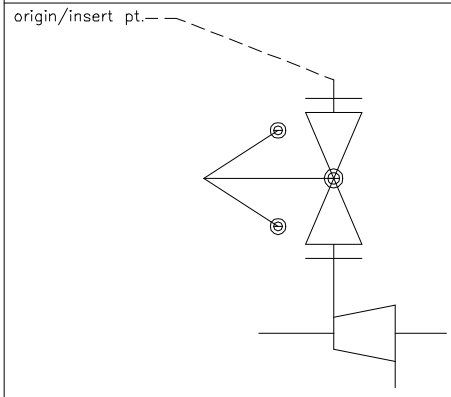
Mechanical MPAUFR
Element Type: Symbol
Description: Automatic Reducing Valve, Flanged



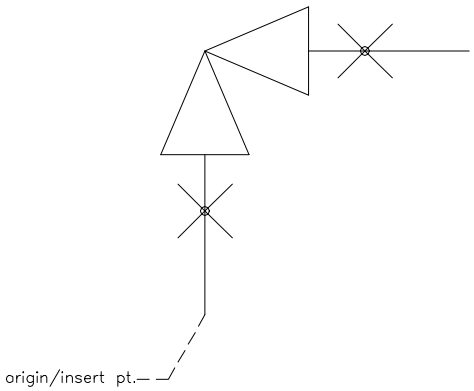
Mechanical MPAUFB
Element Type: Symbol
Description: Automatic Bypass Valve, Flanged



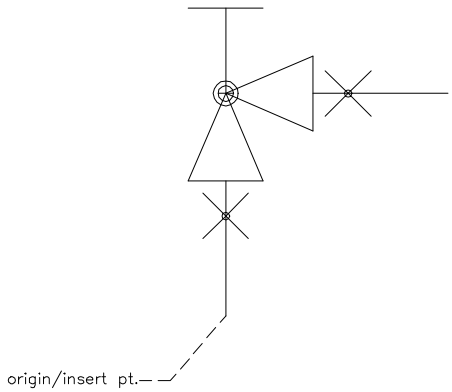
Mechanical MPAWCH
Element Type: Symbol
Description: Angle Check Valve, Welded



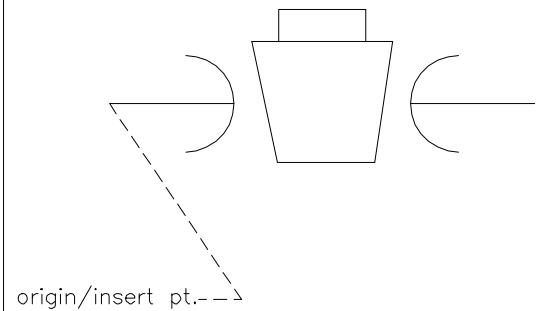
Mechanical MPAUFG
Element Type: Symbol
Description: Automatic Governor Operated Valve, Flanged



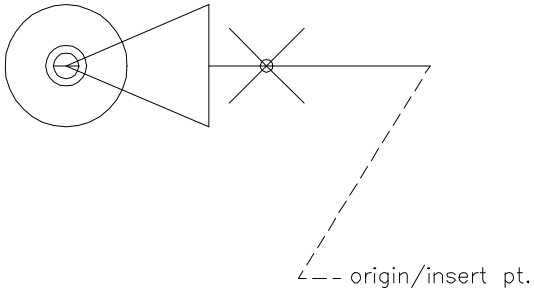
Mechanical MPAWGE
Element Type: Symbol
Description: Angle Gate Valve, Welded (Elevation)



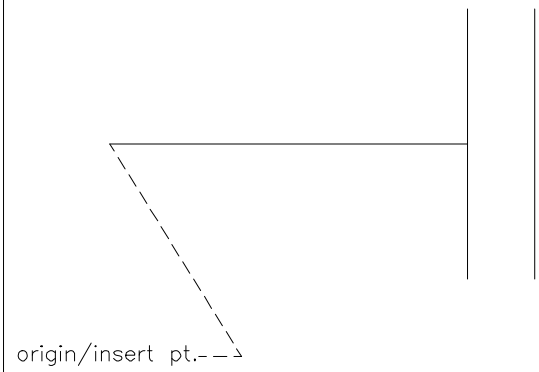
Mechanical MPAWGL
Element Type: Symbol
Description: Angle Globe Valve, Welded (Elevation)



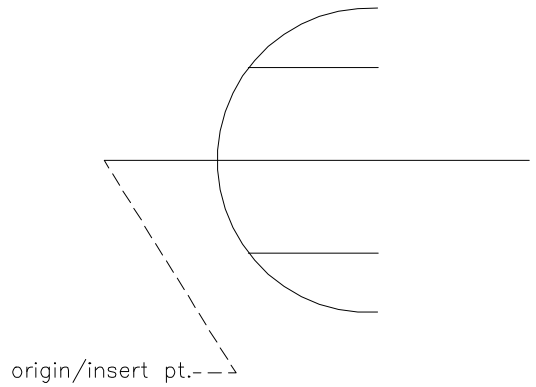
Mechanical MPBCOC
Element Type: Symbol
Description: Cock, Bell & Spigot



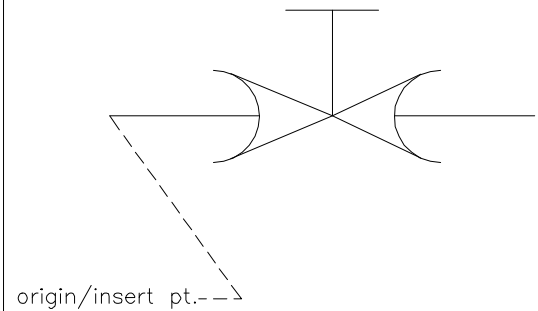
Mechanical MPAWGO
Element Type: Symbol
Description: Angle Globe Valve, Welded (Plan)



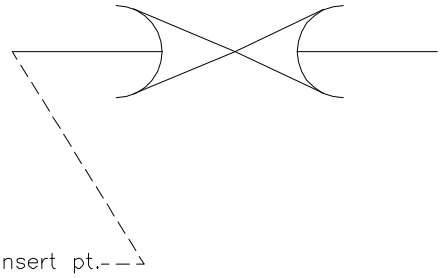
Mechanical MPBFLG
Element Type: Symbol
Description: Blind Flange



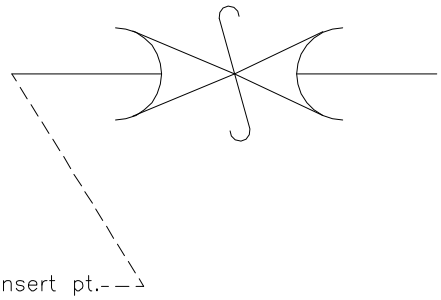
Mechanical MPBBSP
Element Type: Symbol
Description: Bushing, Bell & Spigot



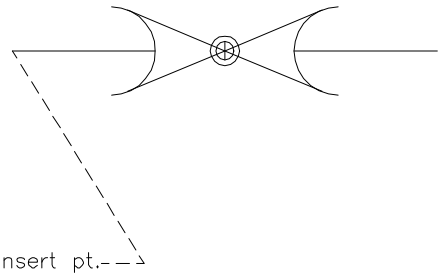
Mechanical MPBGAT
Element Type: Symbol
Description: Gate Valve, Bell & Spigot (Elevation)



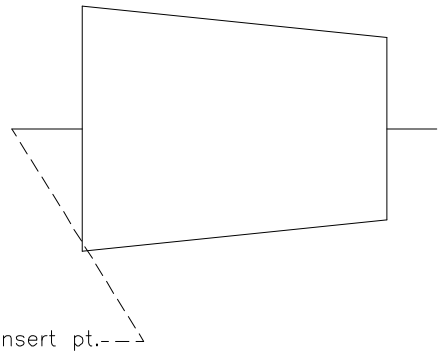
Mechanical MPBGAV
Element Type: Symbol
Description: Stop Valve, Bell & Spigot



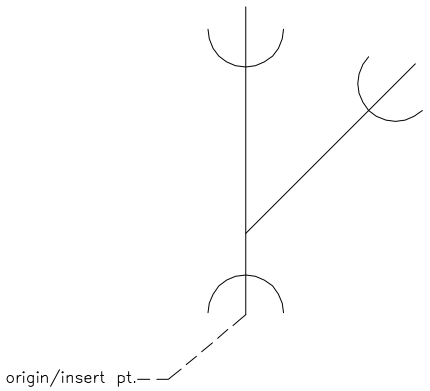
Mechanical MPBSAV
Element Type: Symbol
Description: Safety Valve, Bell & Spigot



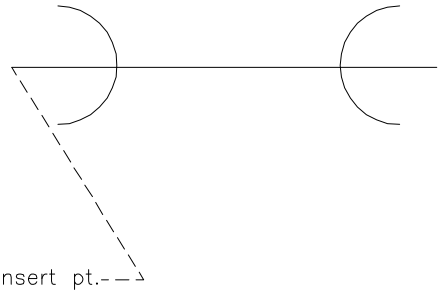
Mechanical MPBGLB
Element Type: Symbol
Description: Globe Valve, Bell & Spigot (Elevation)



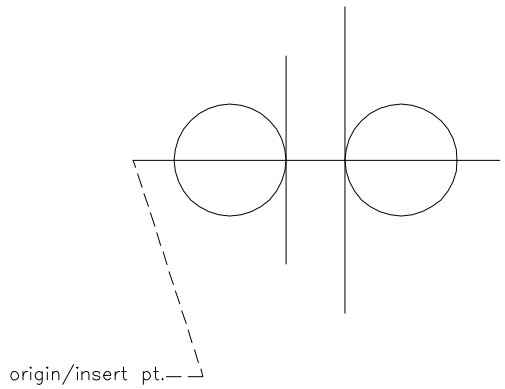
Mechanical MPBSCR
Element Type: Symbol
Description: Bushing, Screwed



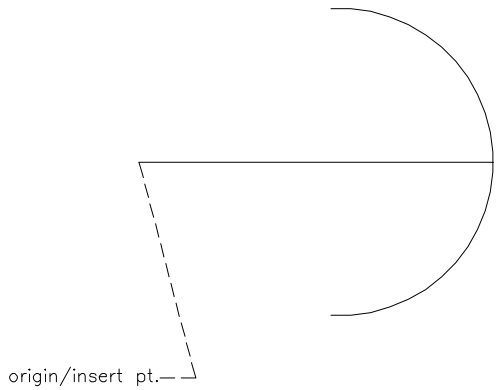
Mechanical MPBLAT
Element Type: Symbol
Description: Lateral, Bell & Spigot



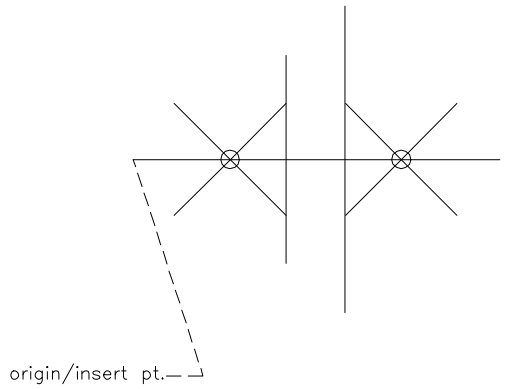
Mechanical MPBSLE
Element Type: Symbol
Description: Sleeve, Bell & Spigot



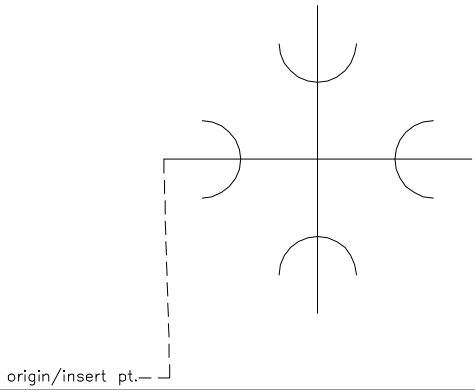
Mechanical MPBSOL
Element Type: Symbol
Description: Bushing, Soldered



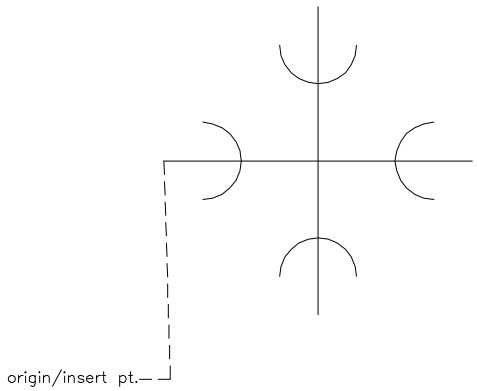
Mechanical MPCBSP
Element Type: Symbol
Description: Cap, Bell & Spigot



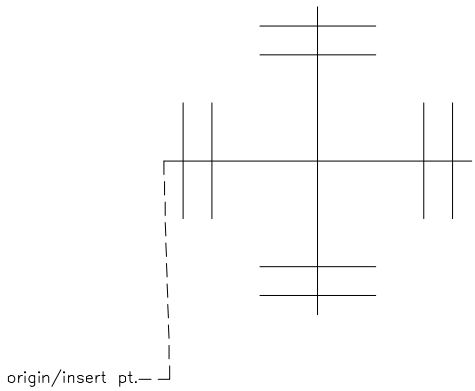
Mechanical MPBWEL
Element Type: Symbol
Description: Bushing, Welded



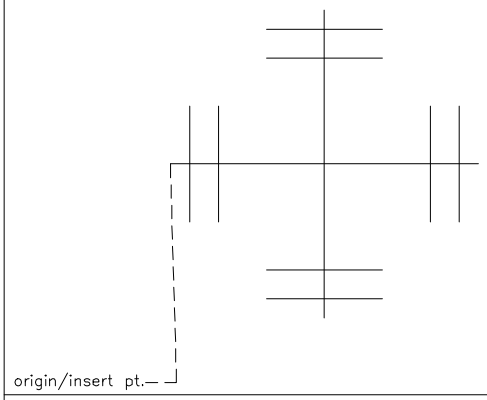
Mechanical MPCBSS
Element Type: Symbol
Description: Straight Size Cross, Bell & Spigot



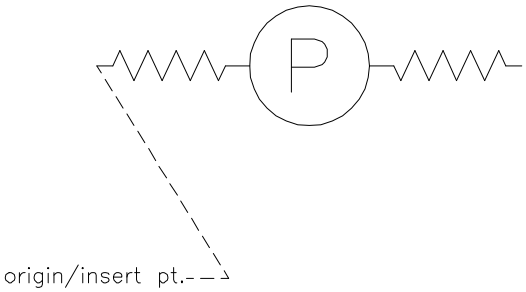
Mechanical MPCBRD
Element Type: Symbol
Description: Reducing Cross, Bell & Spigot



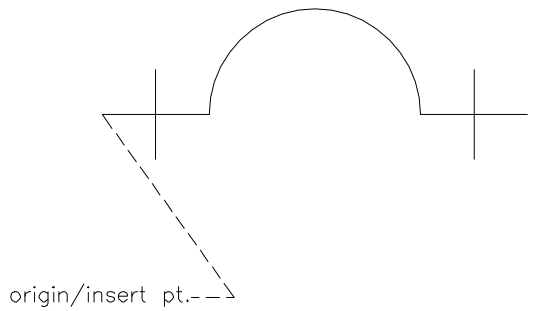
Mechanical MPCFRD
Element Type: Symbol
Description: Reducing Cross, Flanged



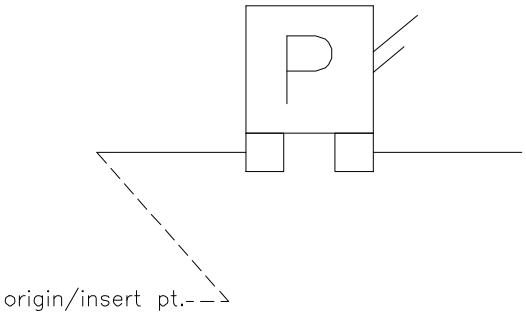
Mechanical MPCFSS
Element Type: Symbol
Description: Straight Size Cross, Flanged



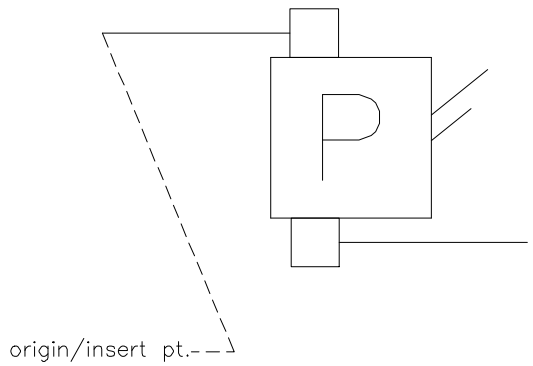
Mechanical MPCPRE
Element Type: Symbol
Description: Pressure Stat



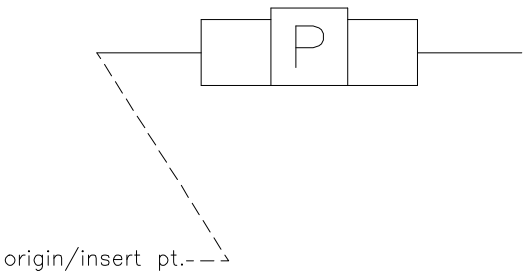
Mechanical MPCOSC
Element Type: Symbol
Description: Crossover, Screwed



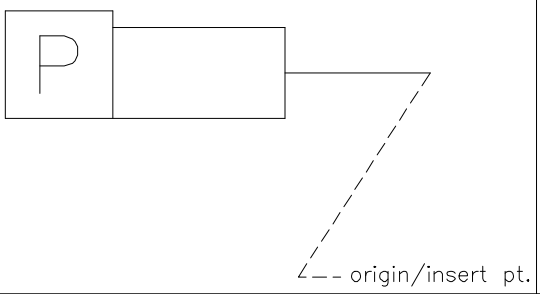
Mechanical MPCPSD
Element Type: Symbol
Description: Dual Pressure Switch



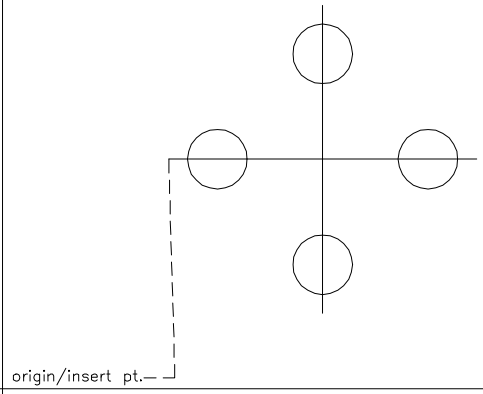
Mechanical MPCPDI
Element Type: Symbol
Description: Differential Oil Pressure Switch



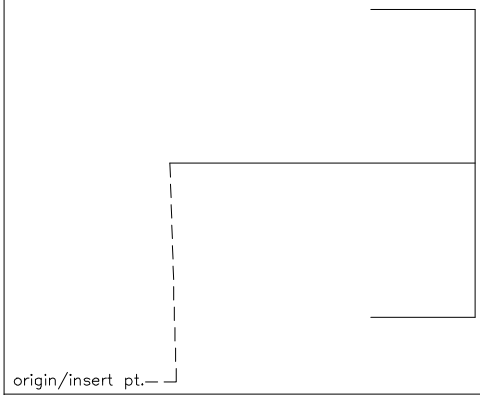
Mechanical MPCPSP
Element Type: Symbol
Description: Pressure Switch w/High Pressure Cutout



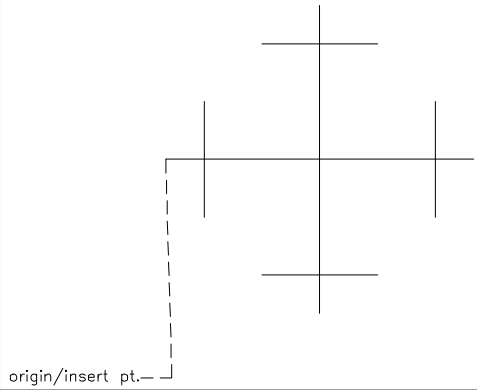
Mechanical MPCPSW
Element Type: Symbol
Description: Pressure Switch



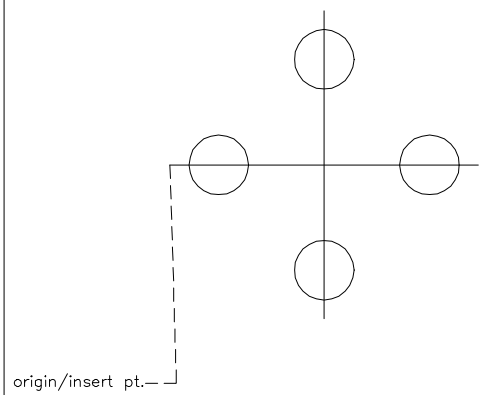
Mechanical MPCSOS
Element Type: Symbol
Description: Straight Size Cross, Soldered



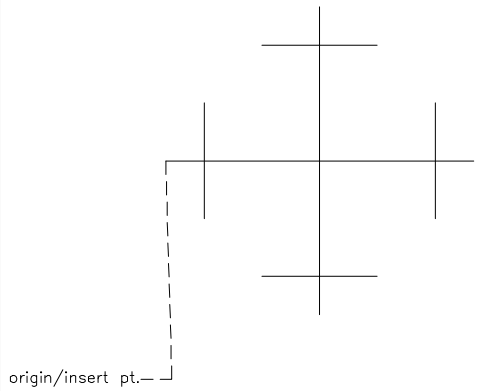
Mechanical MPCSCR
Element Type: Symbol
Description: Cap, Screwed



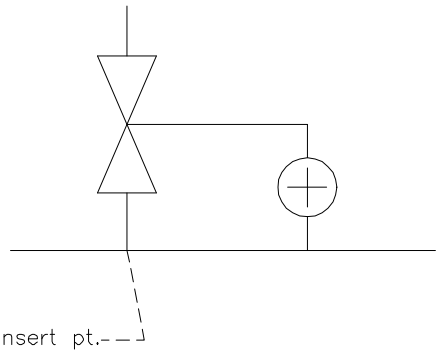
Mechanical MPCSRD
Element Type: Symbol
Description: Reducing Cross, Screwed



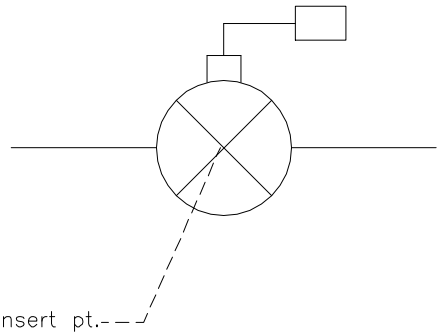
Mechanical MPCSOR
Element Type: Symbol
Description: Reducing Cross, Soldered



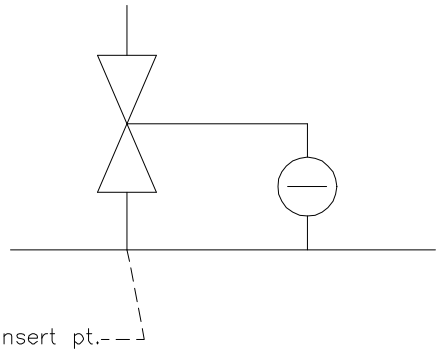
Mechanical MPCSSS
Element Type: Symbol
Description: Straight Size Cross, Screwed



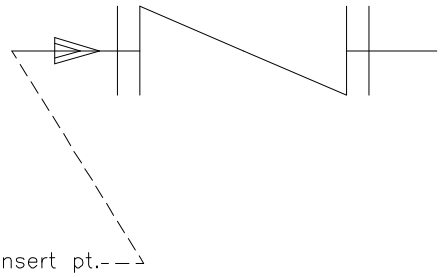
Mechanical MPCVAB
Element Type: Symbol
Description: Automatic Bypass Valve (1)



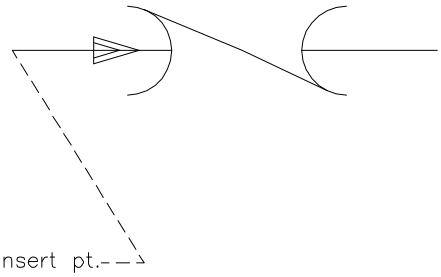
Mechanical MPCVCW
Element Type: Symbol
Description: Condenser Water Regulating Valve



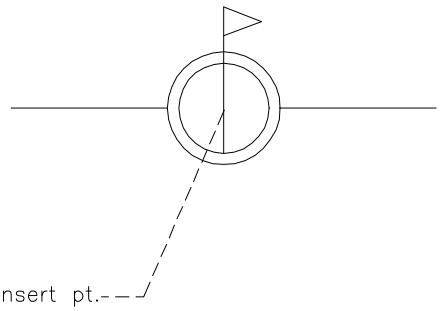
Mechanical MPCVAR
Element Type: Symbol
Description: Automatic Reducing Valve (1)



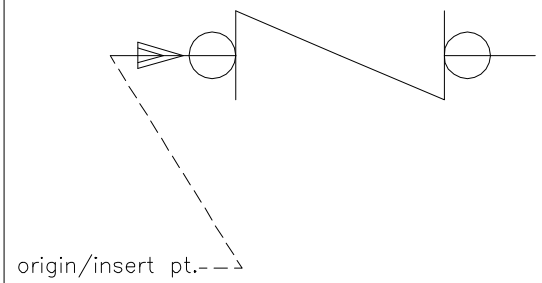
Mechanical MPCVFS
Element Type: Symbol
Description: Straight Way Check Valve, Flanged



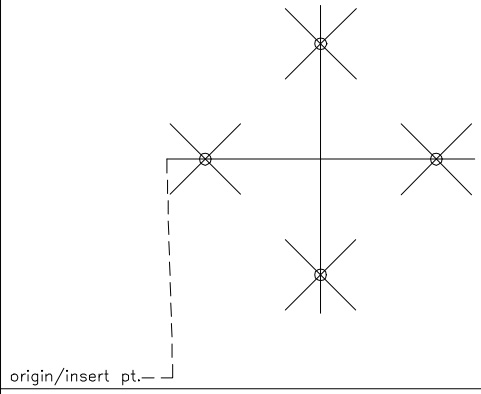
Mechanical MPCVBS
Element Type: Symbol
Description: Straight Way Check Valve, Bell & Spigot



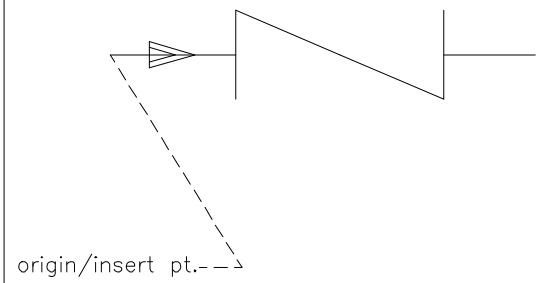
Mechanical MPCVPR
Element Type: Symbol
Description: Pressure Reducing Valve (1)



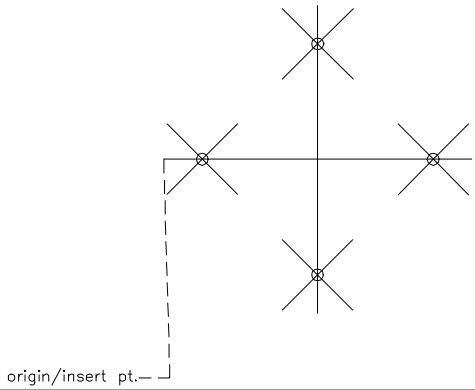
Mechanical MPCVSO
Element Type: Symbol
Description: Straight Way Check Valve, Soldered



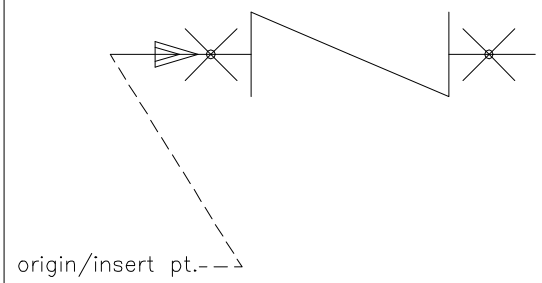
Mechanical MPCWRD
Element Type: Symbol
Description: Reducing Cross, Welded



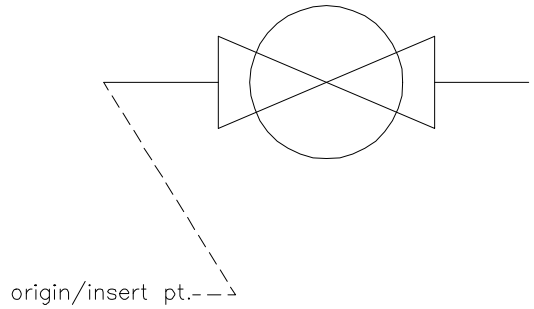
Mechanical MPCVSS
Element Type: Symbol
Description: Straight Way Check Valve, Screwed



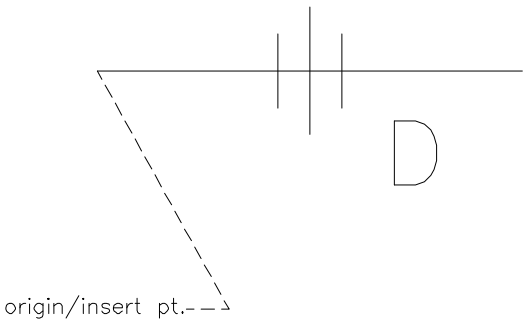
Mechanical MPCWSS
Element Type: Symbol
Description: Straight Size Cross, Welded



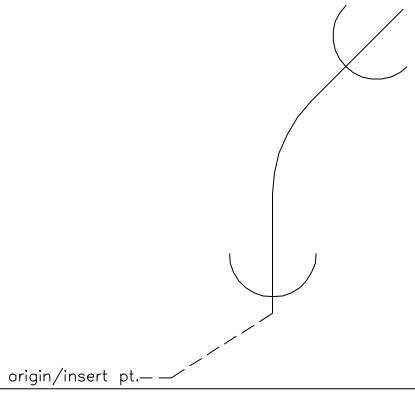
Mechanical MPCVWS
Element Type: Symbol
Description: Straight Way Check Valve, Welded



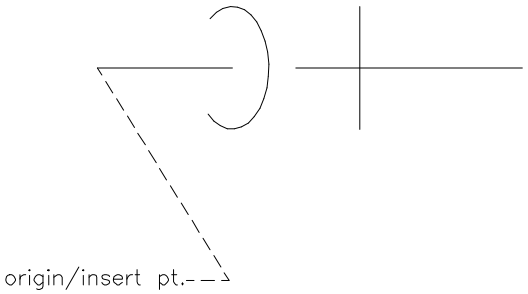
Mechanical MPDGAP
Element Type: Symbol
Description: Gate Valve, Screwed (Plan)



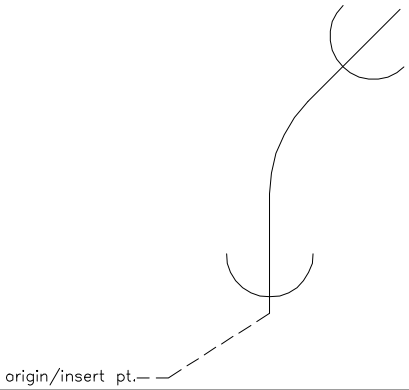
Mechanical MPDIUN
Element Type: Symbol
Description: Dielectric Union



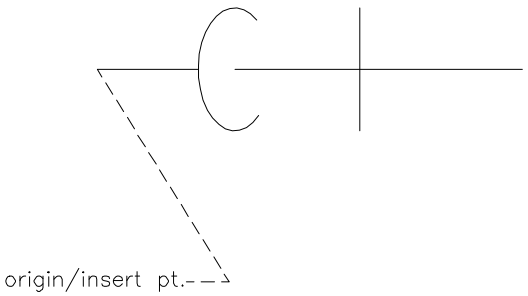
Mechanical MPEB45
Element Type: Symbol
Description: 45 Degree Elbow, Bell & Spigot



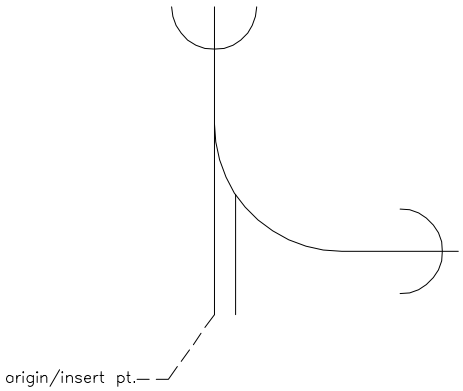
Mechanical MPE45D
Element Type: Symbol
Description: 45 Degree Elbow, Turned Down



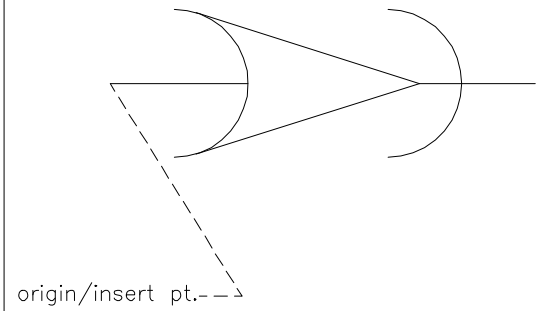
Mechanical MPEB90
Element Type: Symbol
Description: 90 Degree Elbow, Bell & Spigot



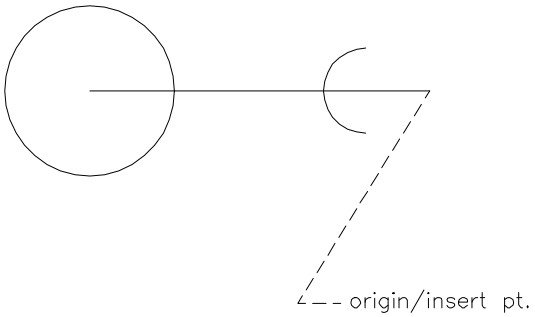
Mechanical MPE45U
Element Type: Symbol
Description: 45 Degree Elbow, Turned Up



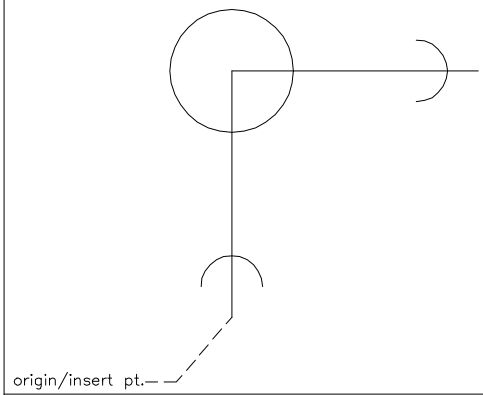
Mechanical MPEBBA
Element Type: Symbol
Description: Base Elbow, Bell & Spigot



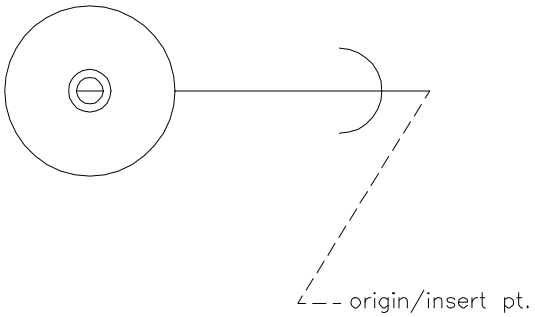
Mechanical MPEBCO
Element Type: Symbol
Description: Concentric Reducer, Bell & Spigot



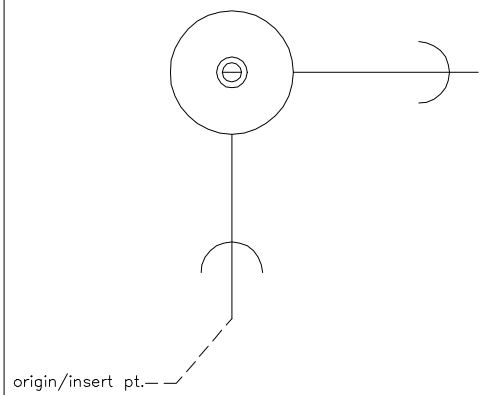
Mechanical MPEBTD
Element Type: Symbol
Description: Turned Down Elbow, Bell & Spigot



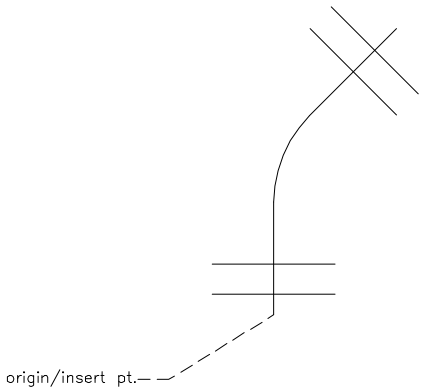
Mechanical MPEBSO
Element Type: Symbol
Description: Side Outlet Elbow, Bell & Spigot, Outlet Down



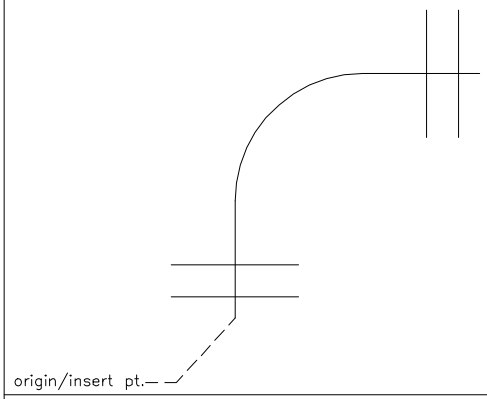
Mechanical MPEBTU
Element Type: Symbol
Description: Turned Up Elbow, Bell & Spigot



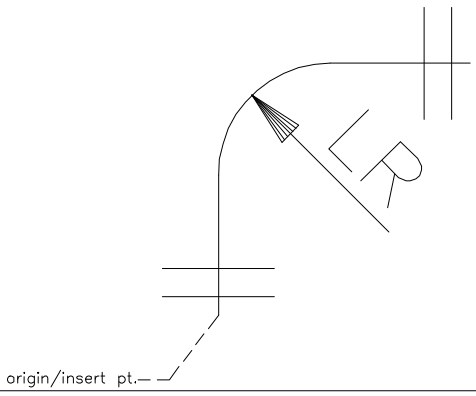
Mechanical MPEBSU
Element Type: Symbol
Description: Side Outlet Elbow, Bell & Spigot, Outlet Up



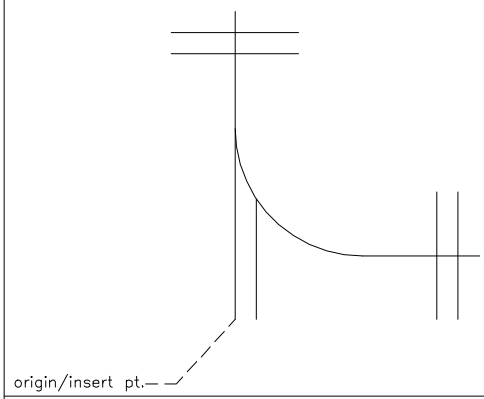
Mechanical MPEF45
Element Type: Symbol
Description: 45 Degree Elbow, Flanged



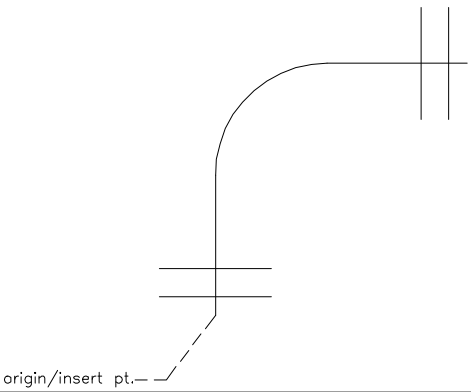
Mechanical MPEF90
Element Type: Symbol
Description: 90 Degree Elbow, Flanged



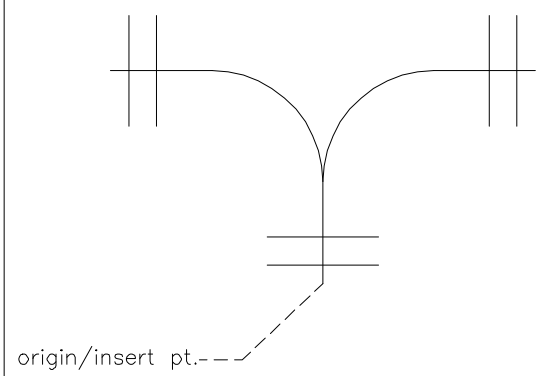
Mechanical MPEFLR
Element Type: Symbol
Description: Long Radius Elbow, Flanged



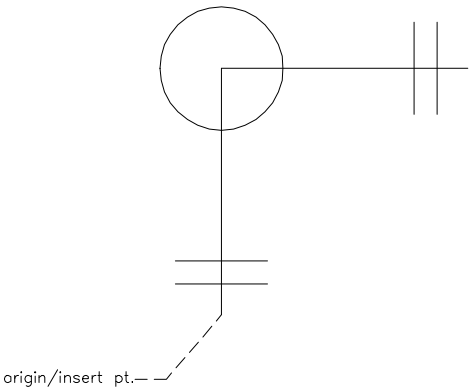
Mechanical MPEFBA
Element Type: Symbol
Description: Base Elbow, Flanged



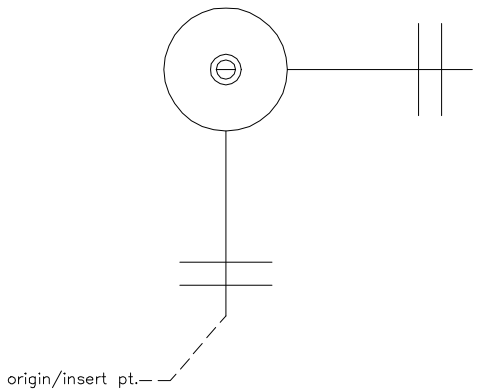
Mechanical MPEFRE
Element Type: Symbol
Description: Reducing Elbow, Flanged



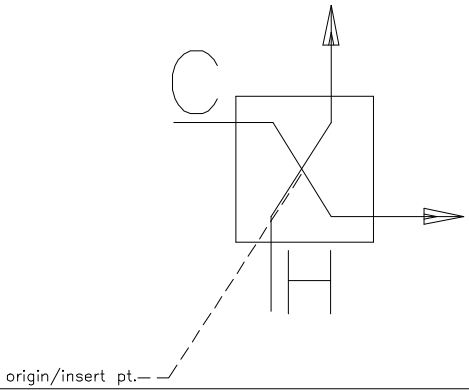
Mechanical MPEFDB
Element Type: Symbol
Description: Double Branch Elbow, Flanged



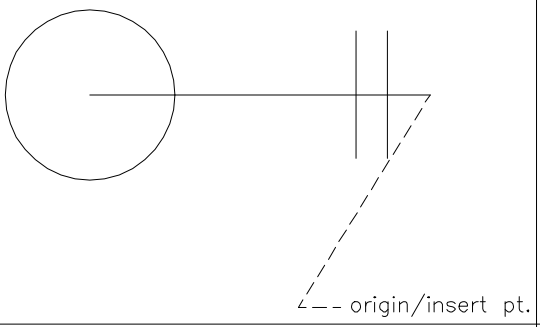
Mechanical MPEFSO
Element Type: Symbol
Description: Side Outlet Elbow, Flanged, Outlet Down



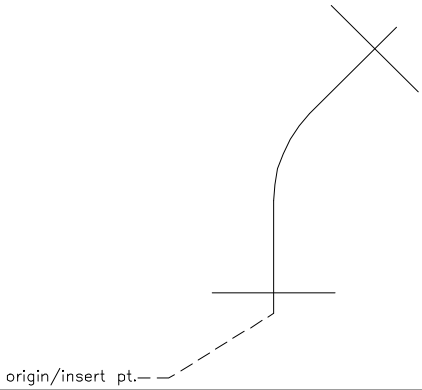
Mechanical MPEFSU
Element Type: Symbol
Description: Side Outlet Elbow, Flanged, Outlet Up



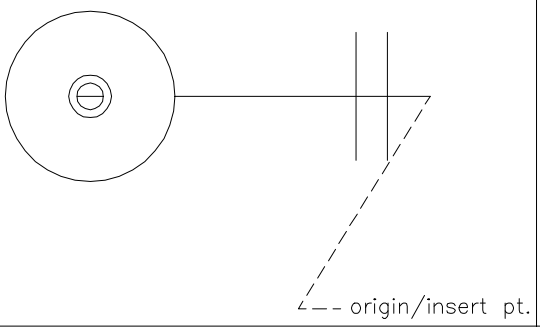
Mechanical MPEPFC
Element Type: Symbol
Description: Plate Fin Cross Flow



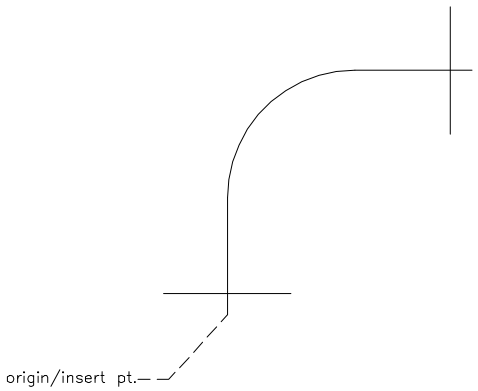
Mechanical MPEFTD
Element Type: Symbol
Description: Turned Down Elbow, Flanged



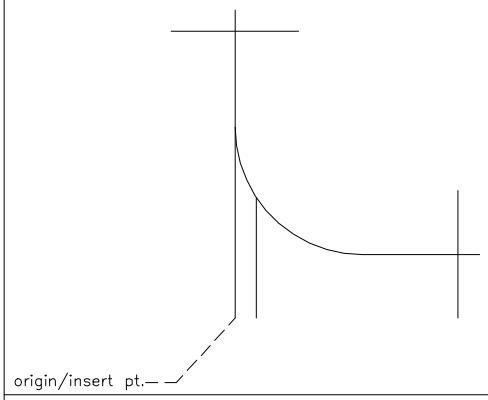
Mechanical MPES45
Element Type: Symbol
Description: 45 Degree Elbow, Screwed



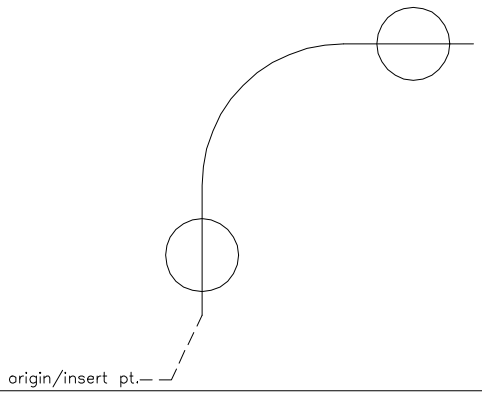
Mechanical MPEFTU
Element Type: Symbol
Description: Turned Up Elbow, Flanged



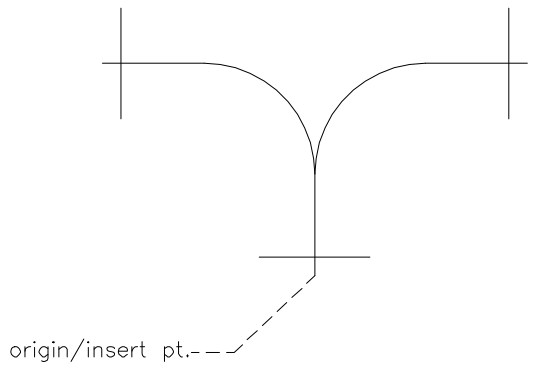
Mechanical MPES90
Element Type: Symbol
Description: 90 Degree Elbow, Screwed



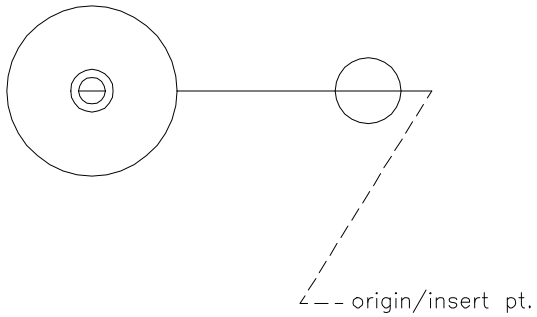
Mechanical MPESBA
Element Type: Symbol
Description: Base Elbow, Screwed



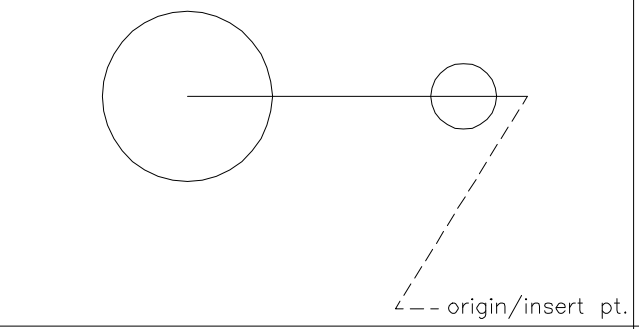
Mechanical MPESLR
Element Type: Symbol
Description: Reducing Elbow, Soldered



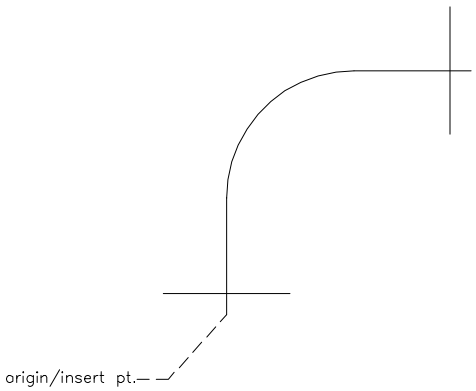
Mechanical MPESDB
Element Type: Symbol
Description: Double Branch Elbow, Screwed



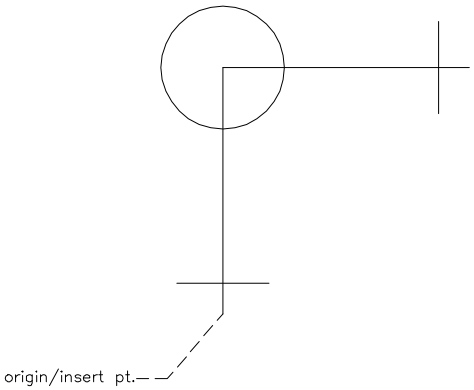
Mechanical MPESLU
Element Type: Symbol
Description: Turned Up Elbow, Soldered



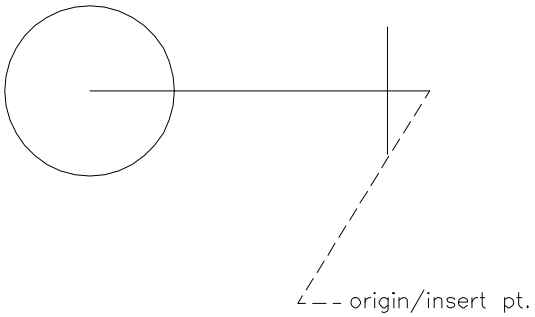
Mechanical MPESLD
Element Type: Symbol
Description: Turned Down Elbow, Soldered



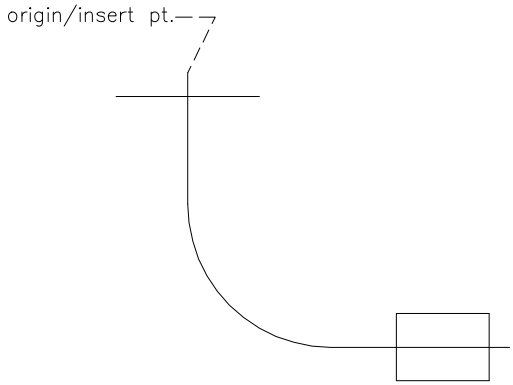
Mechanical MPESRE
Element Type: Symbol
Description: Reducing Elbow, Screwed



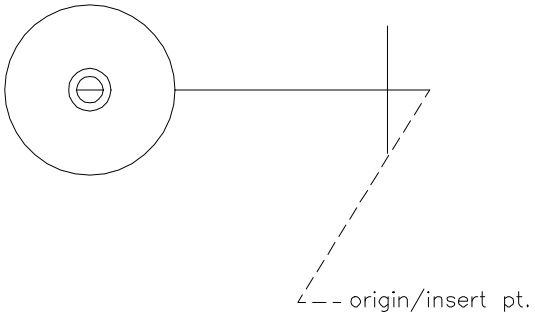
Mechanical MPESSO
Element Type: Symbol
Description: Side Outlet Elbow, Screwed, Outlet Down



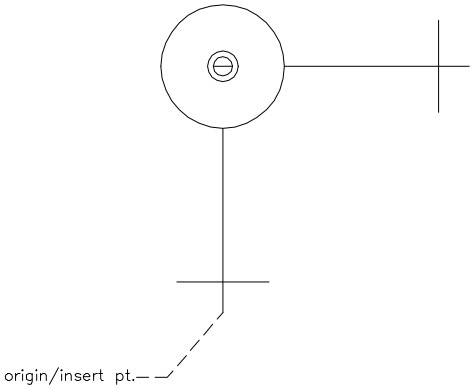
Mechanical MPESTD
Element Type: Symbol
Description: Turned Down Elbow, Screwed



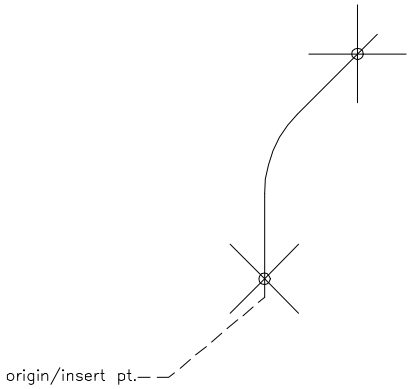
Mechanical MPESST
Element Type: Symbol
Description: Street Elbow, Screwed



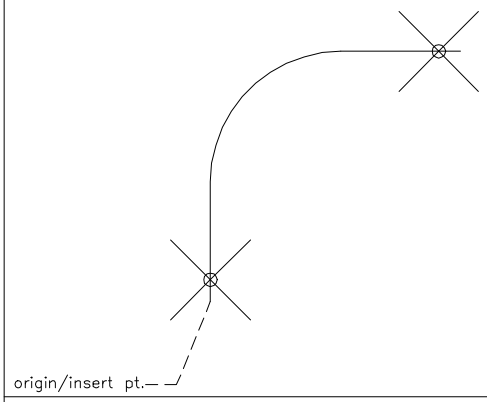
Mechanical MPESTU
Element Type: Symbol
Description: Turned Up Elbow, Screwed



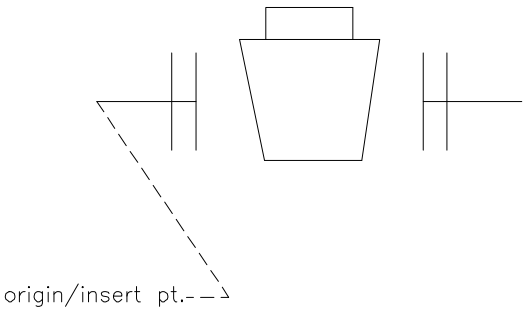
Mechanical MPESSU
Element Type: Symbol
Description: Side Outlet Elbow, Screwed, Outlet Up



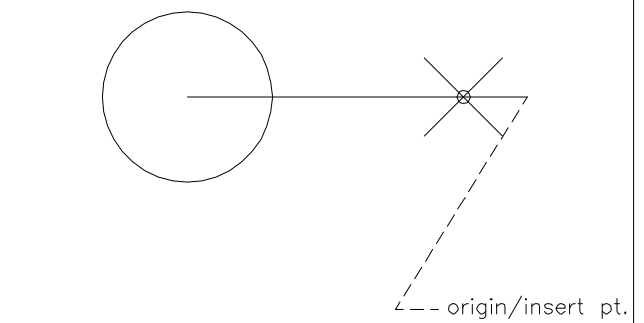
Mechanical MPEW45
Element Type: Symbol
Description: 45 Degree Elbow, Welded



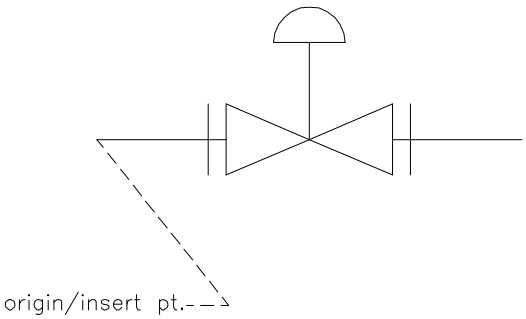
Mechanical MPEW90
Element Type: Symbol
Description: 90 Degree Elbow, Welded



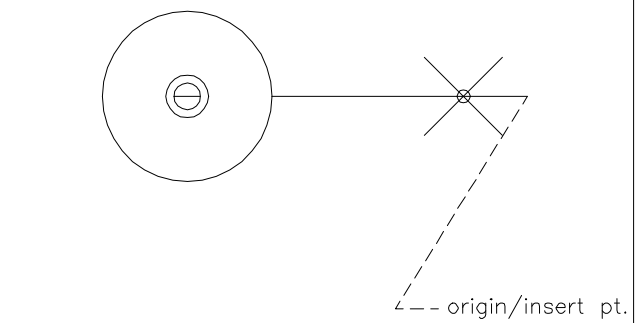
Mechanical MPFCOC
Element Type: Symbol
Description: Cock, Flanged



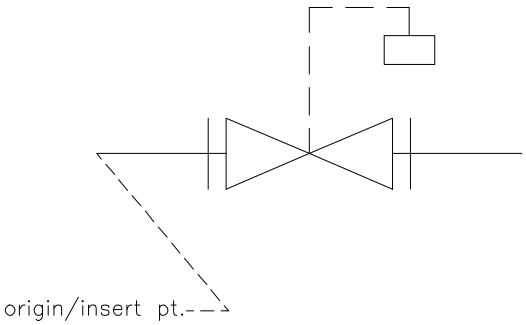
Mechanical MPEWTD
Element Type: Symbol
Description: Turned Down Elbow, Welded



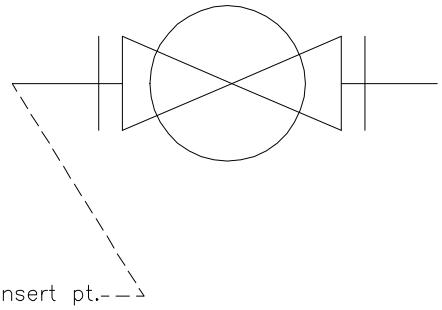
Mechanical MPFDVL
Element Type: Symbol
Description: Diaphragm Valve, Flanged



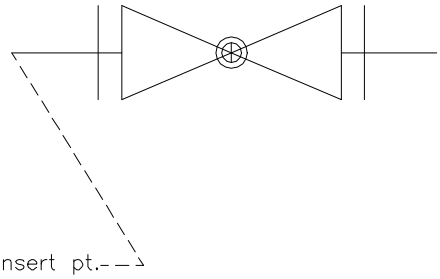
Mechanical MPEWTU
Element Type: Symbol
Description: Turned Up Elbow, Welded



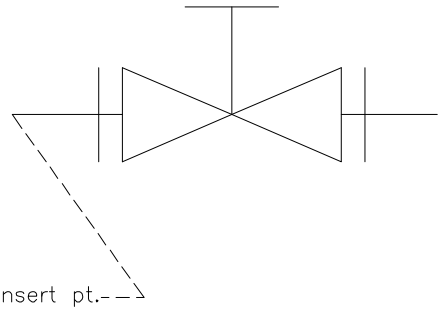
Mechanical MPFFVL
Element Type: Symbol
Description: Float Valve, Flanged



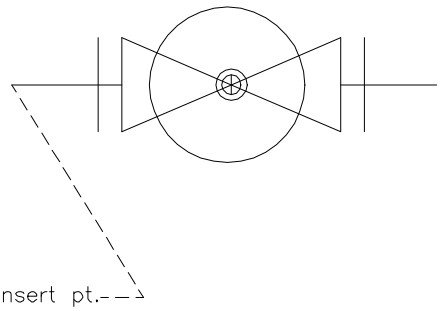
Mechanical MPFGAP
Element Type: Symbol
Description: Gate Valve, Flanged (Plan)



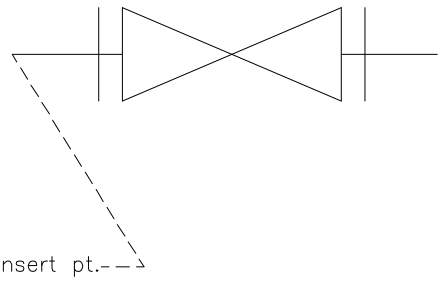
Mechanical MPFGLB
Element Type: Symbol
Description: Globe Valve, Flanged (Elevation)



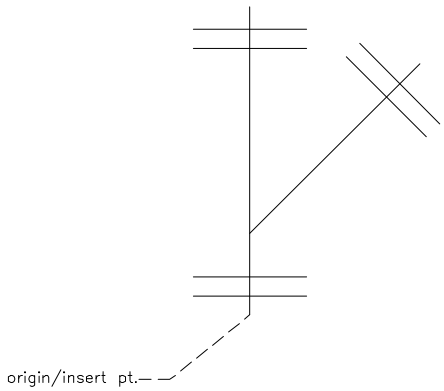
Mechanical MPFGAT
Element Type: Symbol
Description: Gate Valve, Flanged (Elevation)



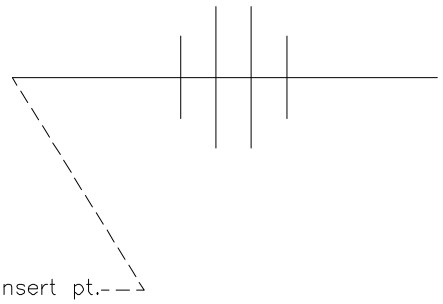
Mechanical MPFGLV
Element Type: Symbol
Description: Globe Valve, Flanged (Plan)



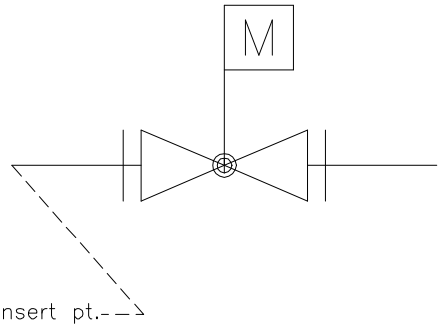
Mechanical MPFGAV
Element Type: Symbol
Description: Stop Valve, Flanged



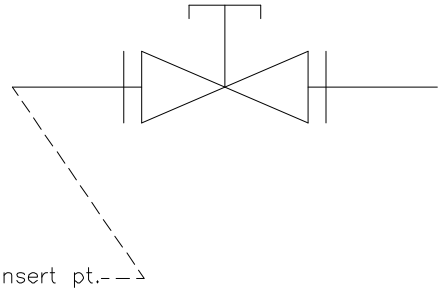
Mechanical MPFLAT
Element Type: Symbol
Description: Lateral, Flanged



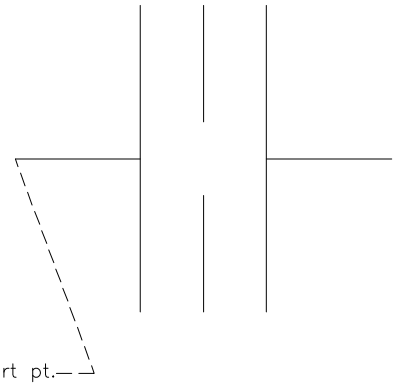
Mechanical MPFLUN
Element Type: Symbol
Description: Union, Flanged



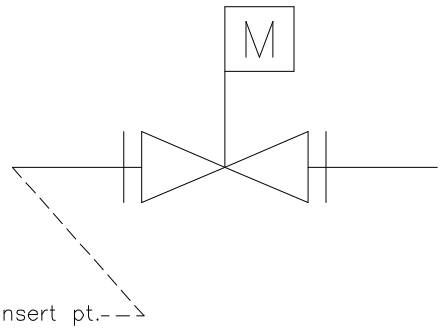
Mechanical MPFMOT
Element Type: Symbol
Description: Motor Operated Globe Valve, Flanged



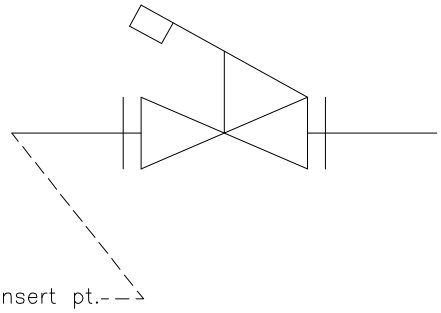
Mechanical MPFLVL
Element Type: Symbol
Description: Lock Shield Valve, Flanged



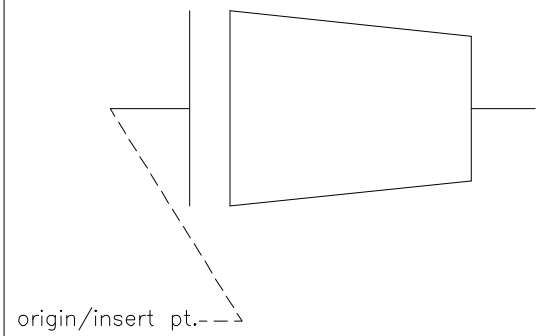
Mechanical MPFORF
Element Type: Symbol
Description: Orifice Flange, Flanged



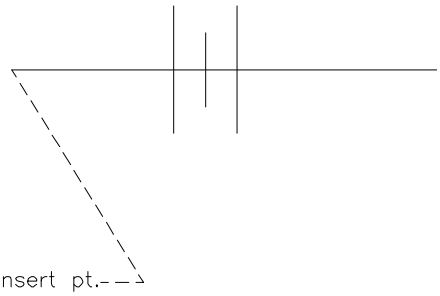
Mechanical MPFMOP
Element Type: Symbol
Description: Motor Operated Gate Valve, Flanged



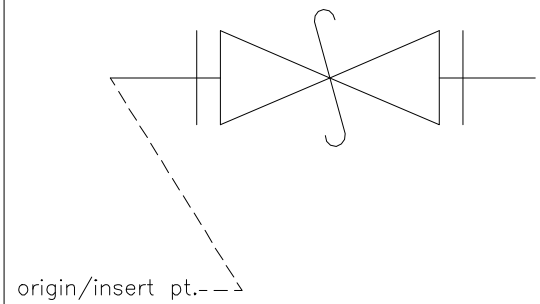
Mechanical MPFQOV
Element Type: Symbol
Description: Quick Opening Valve, Flanged



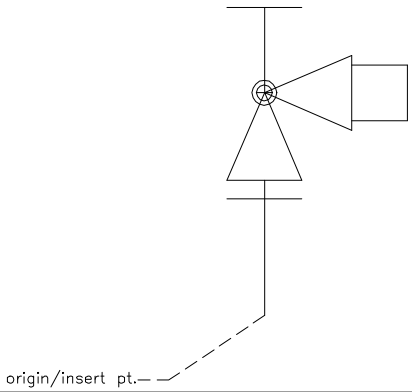
Mechanical MPFREF
Element Type: Symbol
Description: Reducing Flange, Flanged



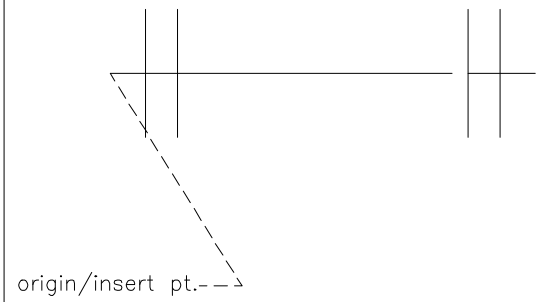
Mechanical MPFUNI
Element Type: Symbol
Description: Union, Flanged (2)



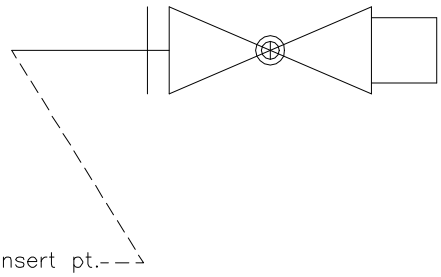
Mechanical MPFSAV
Element Type: Symbol
Description: Safety Valve, Flanged



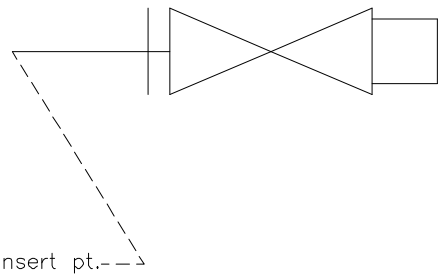
Mechanical MPHFAN
Element Type: Symbol
Description: Hose Angle Valve, Flanged



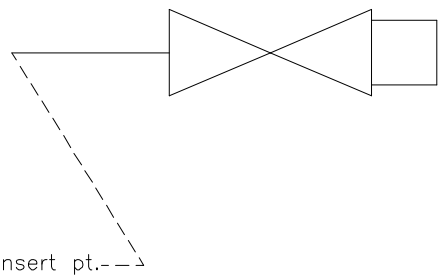
Mechanical MPFSLE
Element Type: Symbol
Description: Sleeve, Flanged



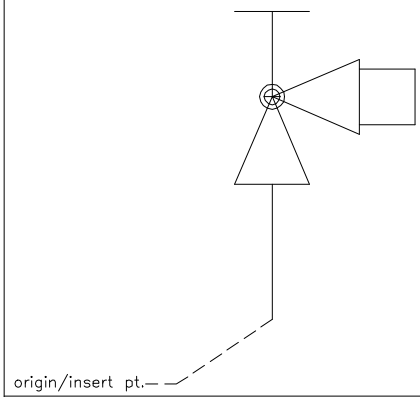
Mechanical MPHFGL
Element Type: Symbol
Description: Hose Globe Valve, Flanged



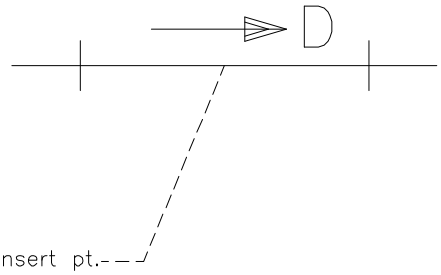
Mechanical MPHFGT
Element Type: Symbol
Description: Hose Gate Valve, Flanged



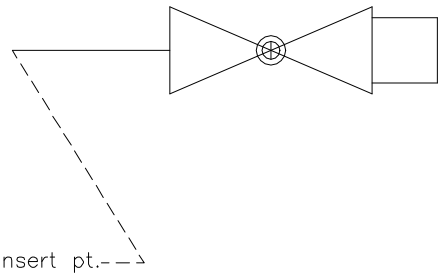
Mechanical MPHSGT
Element Type: Symbol
Description: Hose Gate Valve, Screwed



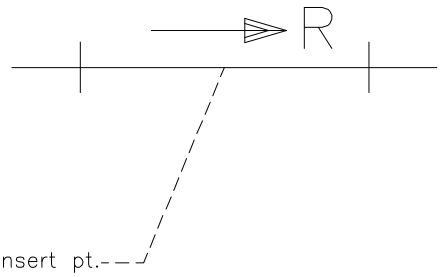
Mechanical MPHSAN
Element Type: Symbol
Description: Hose Angle Valve, Screwed



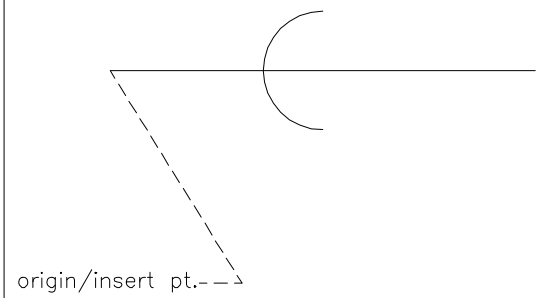
Mechanical MPIPDR
Element Type: Symbol
Description: Pitch or Pipe Drop



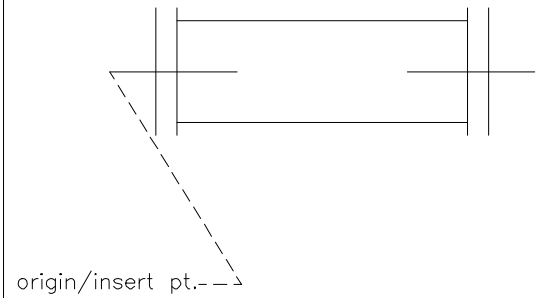
Mechanical MPHSGL
Element Type: Symbol
Description: Hose Globe Valve, Screwed



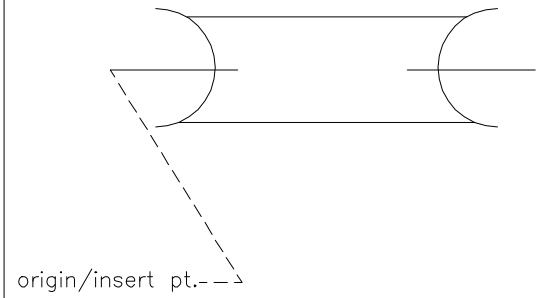
Mechanical MPIPRI
Element Type: Symbol
Description: Pitch or Pipe Rise



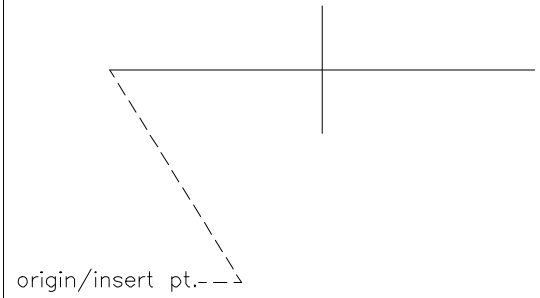
Mechanical MPJBCP
Element Type: Symbol
Description: Connecting Pipe Joint, Bell & Spigot



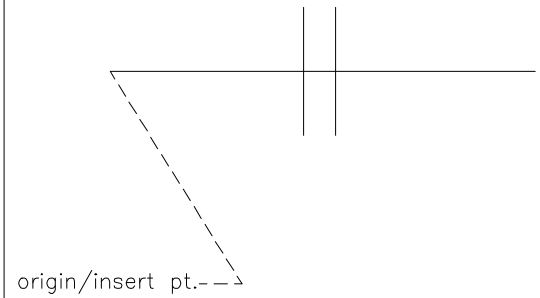
Mechanical MPJFEX
Element Type: Symbol
Description: Expansion Joint, Flanged



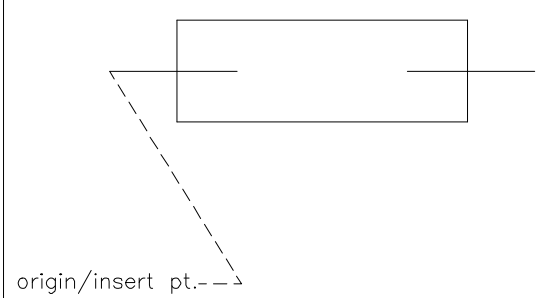
Mechanical MPJBEX
Element Type: Symbol
Description: Expansion Bell Joint, Bell & Spigot



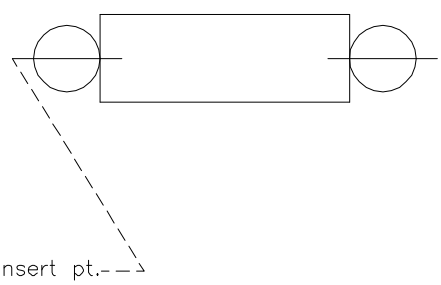
Mechanical MPJSCP
Element Type: Symbol
Description: Connecting Pipe Joint, Screwed



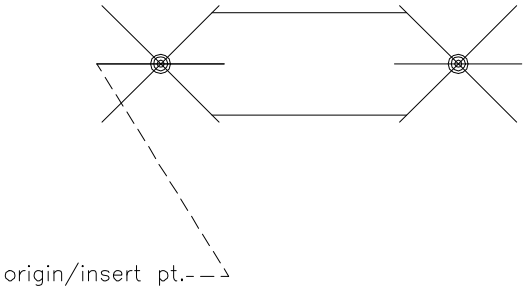
Mechanical MPJFCP
Element Type: Symbol
Description: Connecting Pipe Joint, Flanged



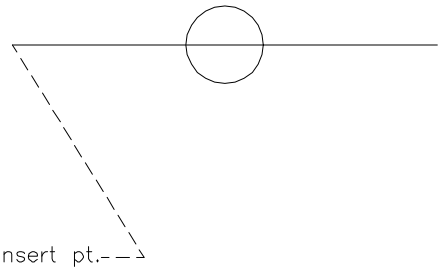
Mechanical MPJSEX
Element Type: Symbol
Description: Expansion Joint, Screwed



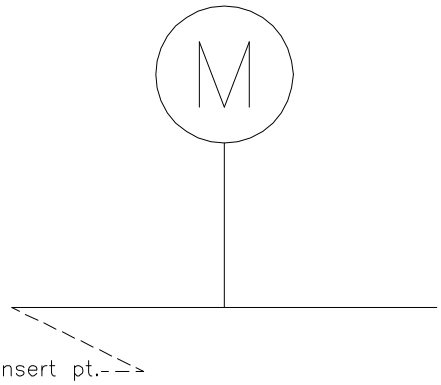
Mechanical MPJSLE
Element Type: Symbol
Description: Expansion Joint, Soldered



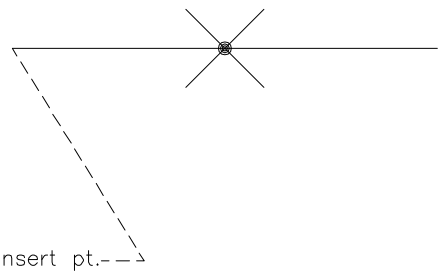
Mechanical MPJWEX
Element Type: Symbol
Description: Expansion Joint, Welded



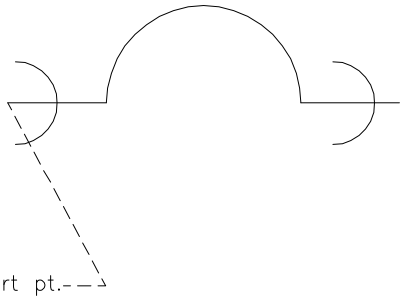
Mechanical MPJSLP
Element Type: Symbol
Description: Connecting Pipe Joint, Soldered



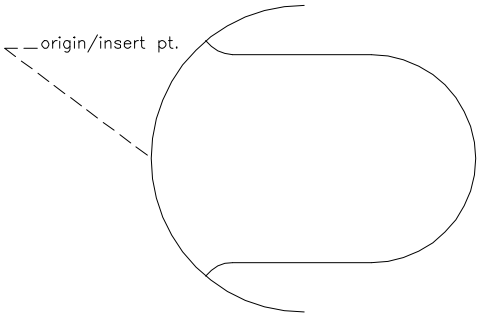
Mechanical MPMSTP
Element Type: Symbol
Description: Magnetic Stop Valve



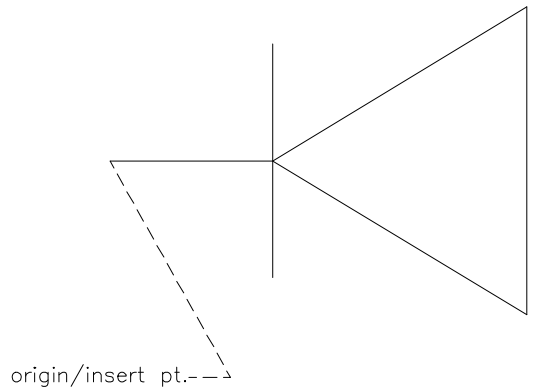
Mechanical MPJWCP
Element Type: Symbol
Description: Connecting Pipe Joint, Welded



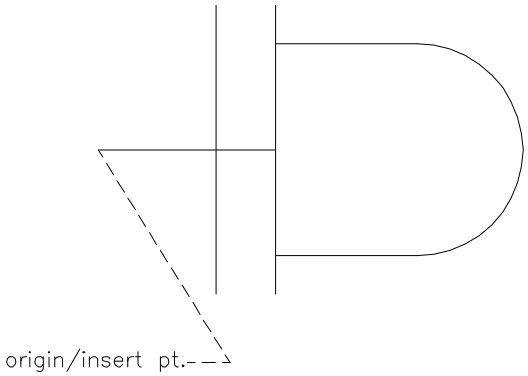
Mechanical MPOBSP
Element Type: Symbol
Description: Crossover, Bell & Spigot



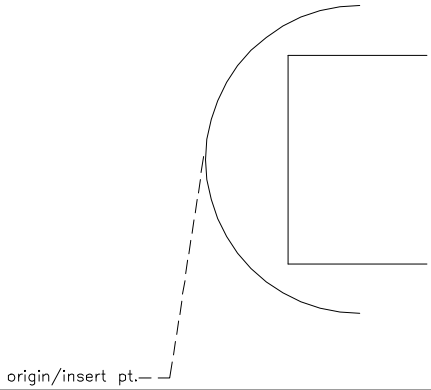
Mechanical MPPBBP
Element Type: Symbol
Description: Bull Plug, Bell & Spigot



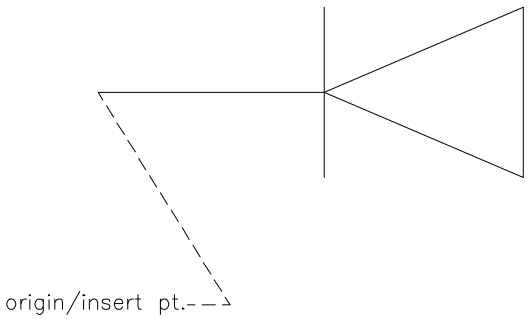
Mechanical MPPSPP
Element Type: Symbol
Description: Pipe Plug, Screwed



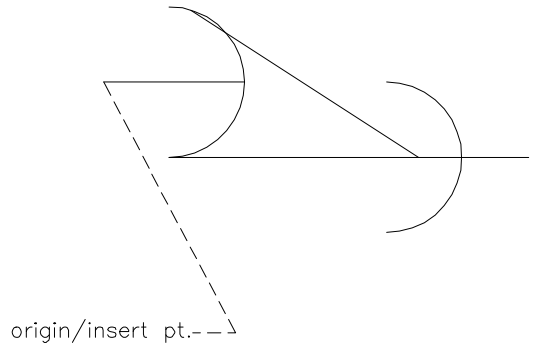
Mechanical MPPFBP
Element Type: Symbol
Description: Bull Plug, Flanged



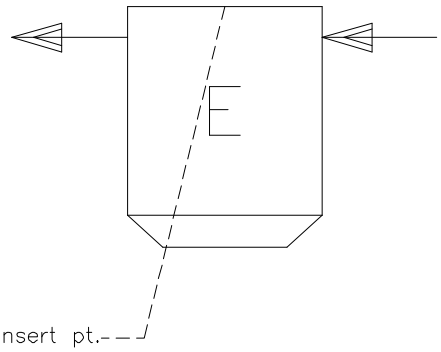
Mechanical MPPWPP
Element Type: Symbol
Description: Pipe Plug, Bell & Spigot



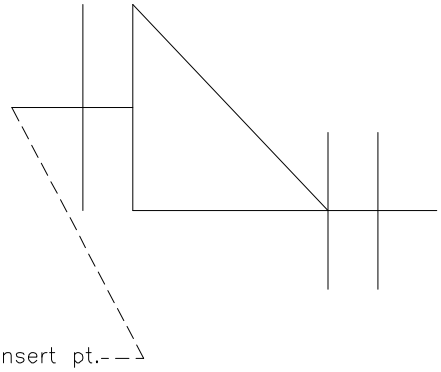
Mechanical MPPLUG
Element Type: Symbol
Description: Pipe Plug



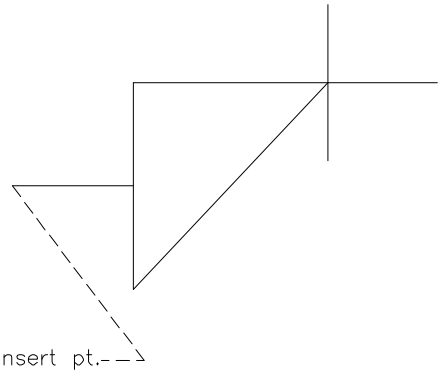
Mechanical MPRBEC
Element Type: Symbol
Description: Eccentric Reducer, Bell & Spigot



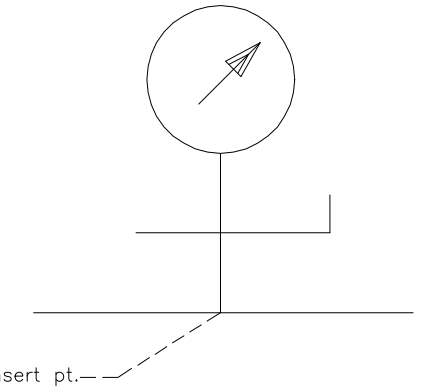
Mechanical MPRECP
Element Type: Symbol
Description: Precipitator



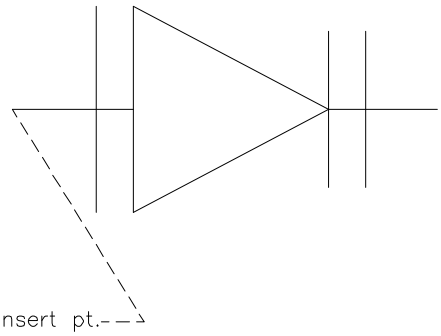
Mechanical MPRFEC
Element Type: Symbol
Description: Eccentric Reducer, Flanged



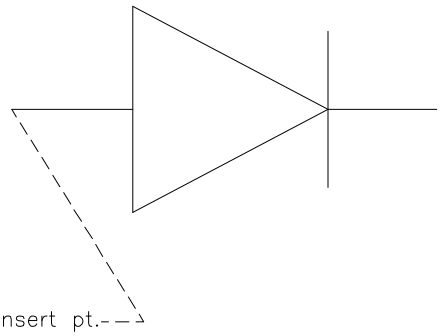
Mechanical MPRESC
Element Type: Symbol
Description: Eccentric Reducer, Straight Crown



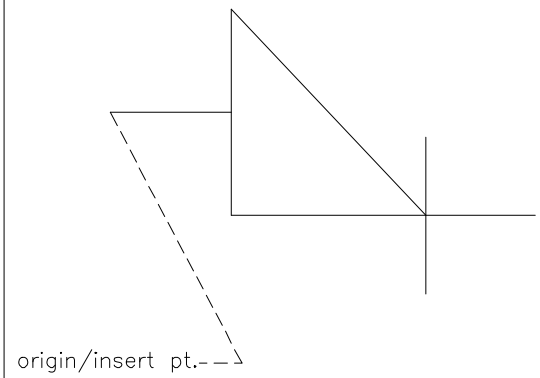
Mechanical MPRGCO
Element Type: Symbol
Description: Pressure Gage and Cock



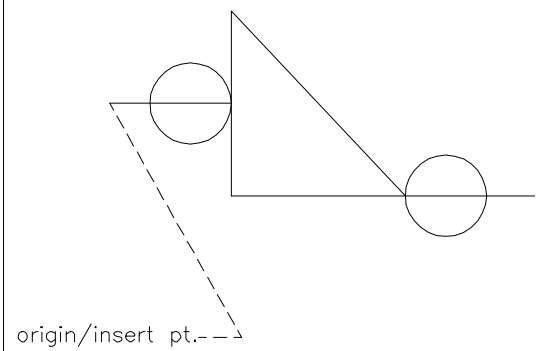
Mechanical MPRFCO
Element Type: Symbol
Description: Concentric Reducer, Flanged



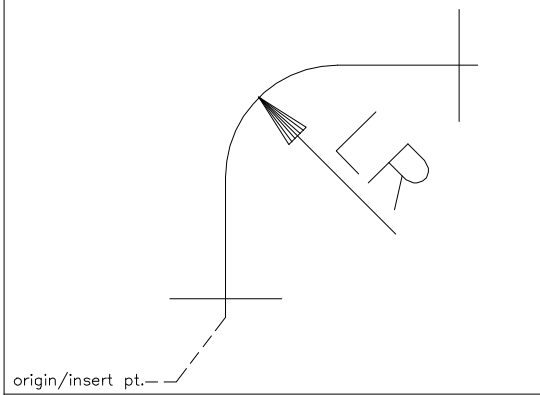
Mechanical MPRSCO
Element Type: Symbol
Description: Concentric Reducer, Screwed



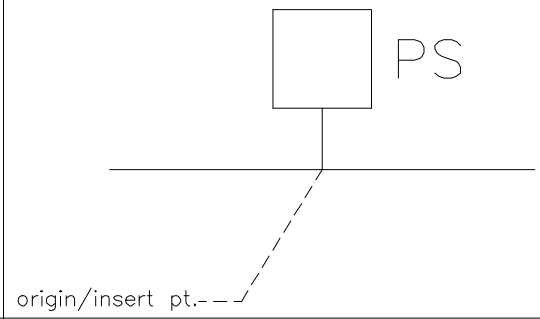
Mechanical MPRSEC
Element Type: Symbol
Description: Eccentric Reducer, Screwed



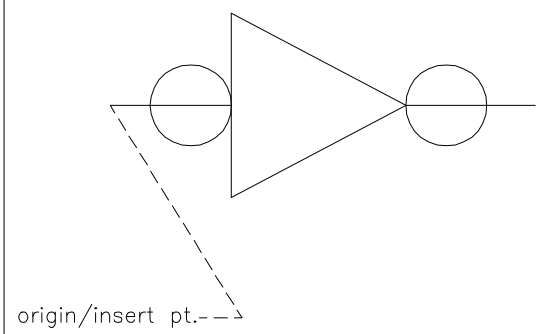
Mechanical MPRSOE
Element Type: Symbol
Description: Eccentric Reducer, Soldered



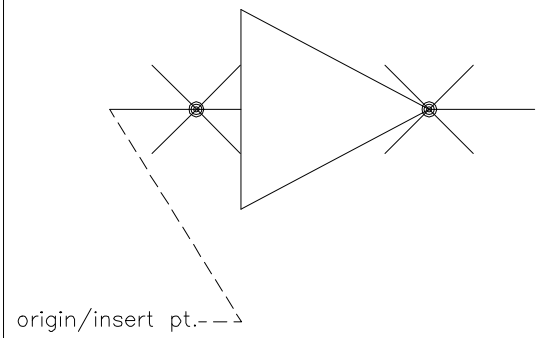
Mechanical MPRSLR
Element Type: Symbol
Description: Long Radius Elbow, Screwed



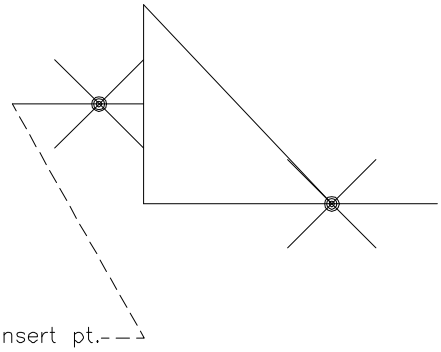
Mechanical MPRSWI
Element Type: Symbol
Description: Pressure Switch



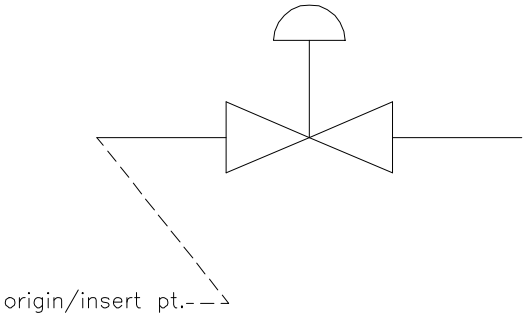
Mechanical MPRSOC
Element Type: Symbol
Description: Concentric Reducer, Soldered



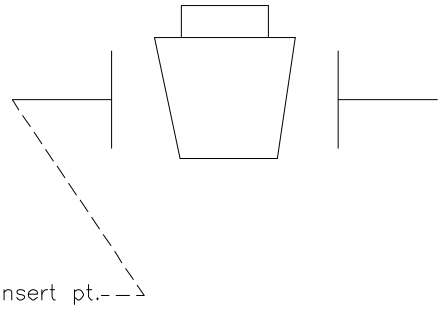
Mechanical MPRWCO
Element Type: Symbol
Description: Concentric Reducer, Welded



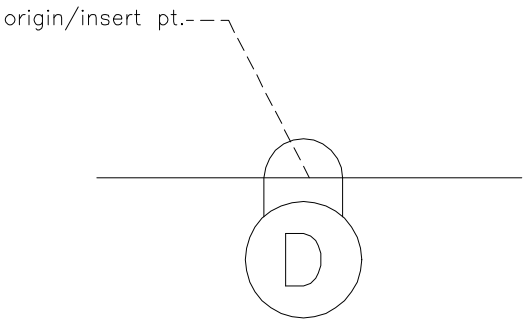
Mechanical MPRWEC
Element Type: Symbol
Description: Eccentric Reducer, Welded



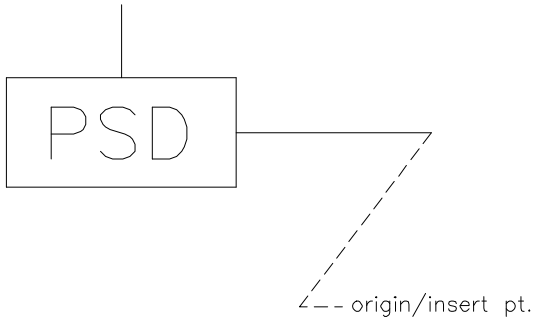
Mechanical MPSDVL
Element Type: Symbol
Description: Diaphragm Valve, Screwed



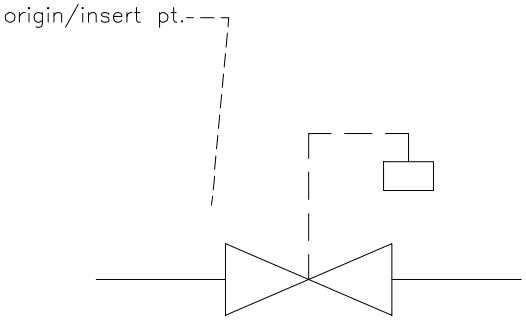
Mechanical MPSCOC
Element Type: Symbol
Description: Cock, Screwed



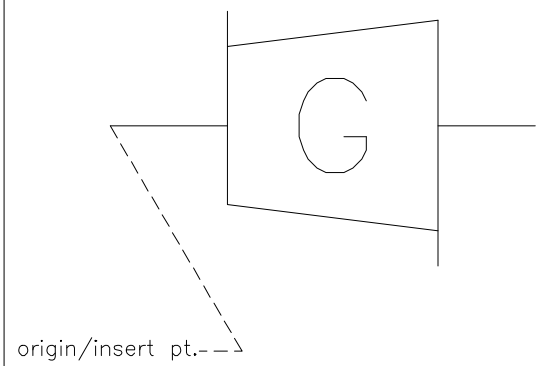
Mechanical MPSENG
Element Type: Symbol
Description: Engine (Indicate Fuel)



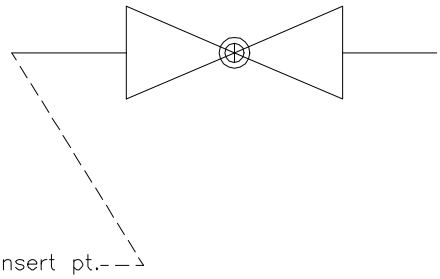
Mechanical MPSDIF
Element Type: Symbol
Description: Motor (2)



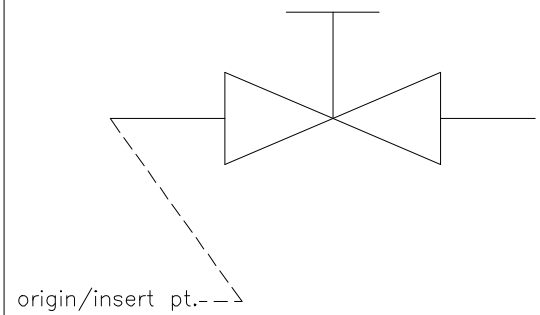
Mechanical MPSFVL
Element Type: Symbol
Description: Float Valve, Screwed



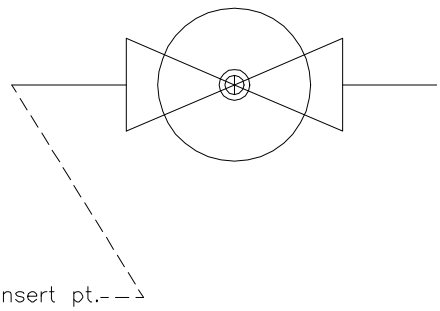
Mechanical MPSGAS
Element Type: Symbol
Description: Gas Turbine



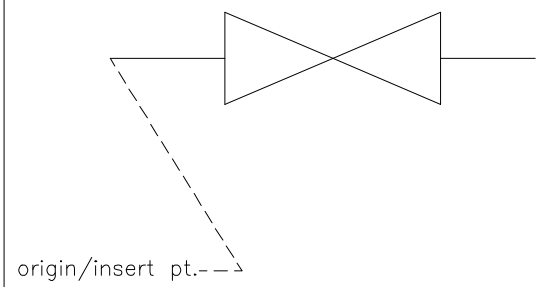
Mechanical MPSGLB
Element Type: Symbol
Description: Globe Valve, Screwed (Elevation)



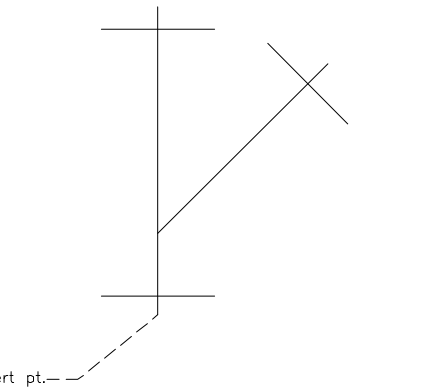
Mechanical MPSGAT
Element Type: Symbol
Description: Gate Valve, Screwed



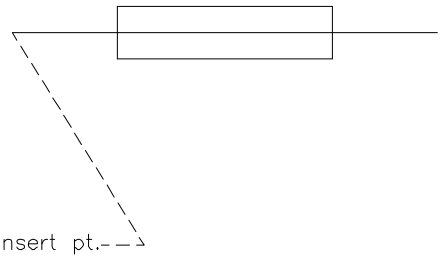
Mechanical MPSGLV
Element Type: Symbol
Description: Globe Valve, Screwed (Plan)



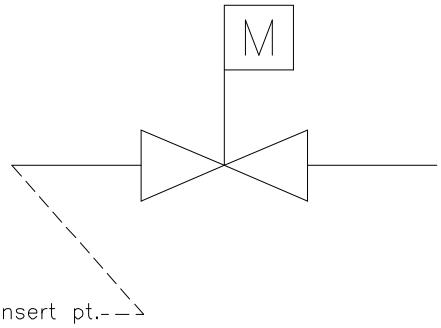
Mechanical MPSGAV
Element Type: Symbol
Description: Stop Valve, Screwed



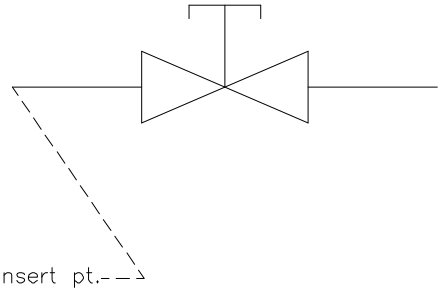
Mechanical MPSLAT
Element Type: Symbol
Description: Lateral, Screwed



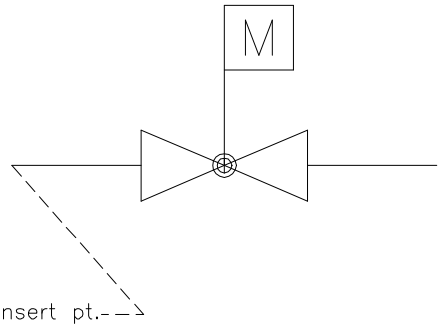
Mechanical MPSLVE
Element Type: Symbol
Description: Sleeve



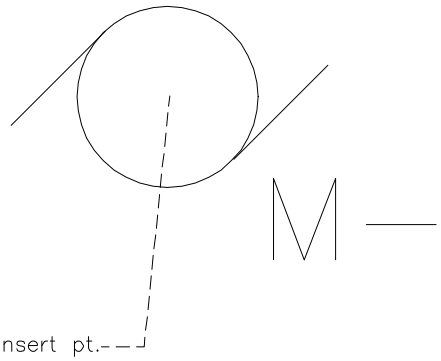
Mechanical MPSMOP
Element Type: Symbol
Description: Motor Operated Gate Valve, Screwed



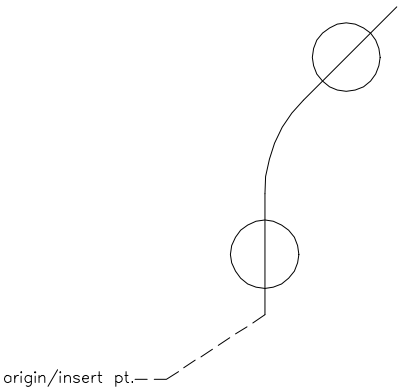
Mechanical MPSLVL
Element Type: Symbol
Description: Lock Shield Valve, Screwed



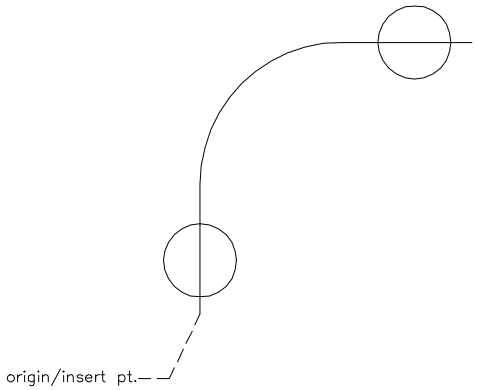
Mechanical MPSMOT
Element Type: Symbol
Description: Motor Operated Globe Valve, Screwed



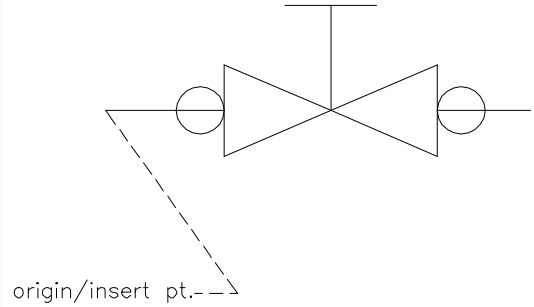
Mechanical MPSMEL
Element Type: Symbol
Description: Electric Motor



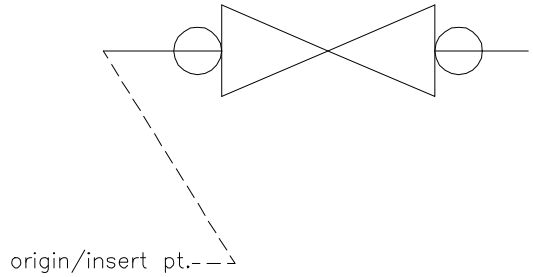
Mechanical MPSO45
Element Type: Symbol
Description: 45 Degree Elbow, Soldered



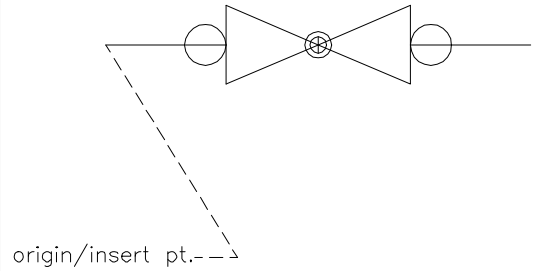
Mechanical MPSO90
Element Type: Symbol
Description: 90 Degree Elbow, Soldered



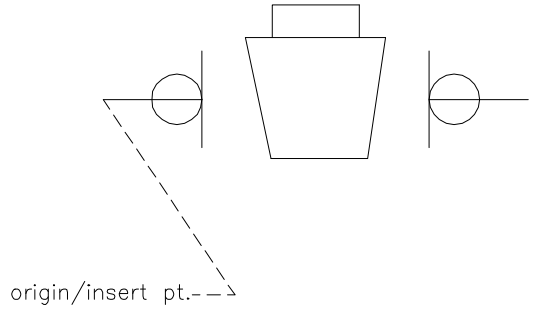
Mechanical MPSOGT
Element Type: Symbol
Description: Gate Valve, Soldered



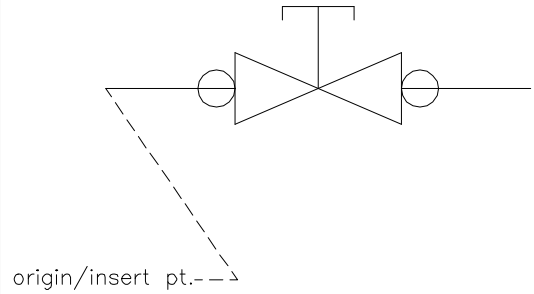
Mechanical MPSOAV
Element Type: Symbol
Description: Stop Valve, Soldered



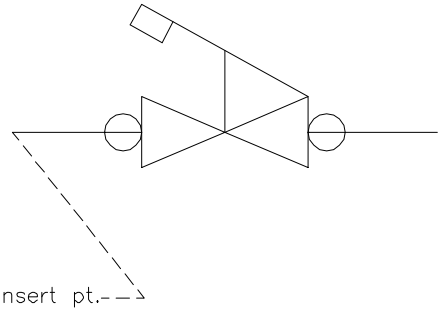
Mechanical MPSOLB
Element Type: Symbol
Description: Globe Valve, Welded



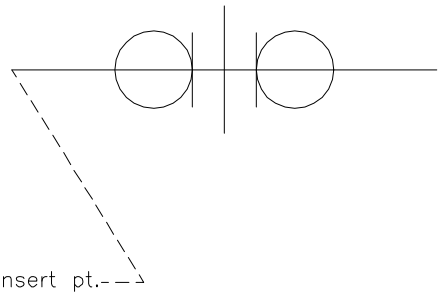
Mechanical MPSOCO
Element Type: Symbol
Description: Cock, Soldered



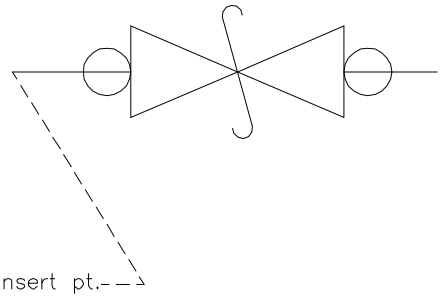
Mechanical MPSOLV
Element Type: Symbol
Description: Lock Shield Valve, Soldered



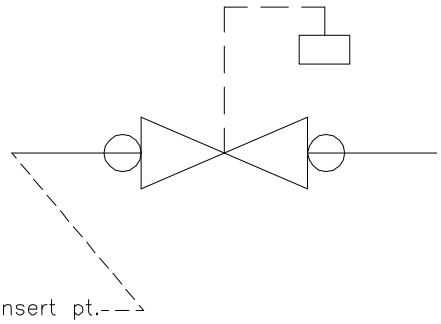
Mechanical MPSOQV
Element Type: Symbol
Description: Quick Opening Valve, Welded



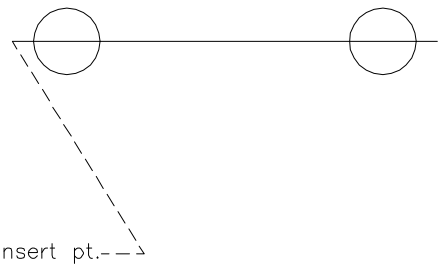
Mechanical MPSOUN
Element Type: Symbol
Description: Union, Soldered



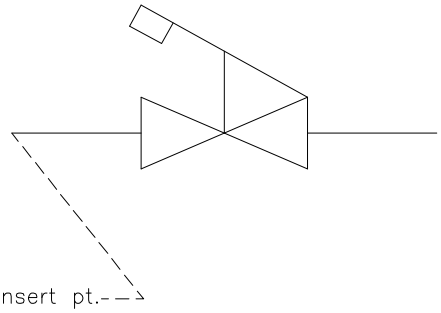
Mechanical MPSOSA
Element Type: Symbol
Description: Safety Valve, Soldered



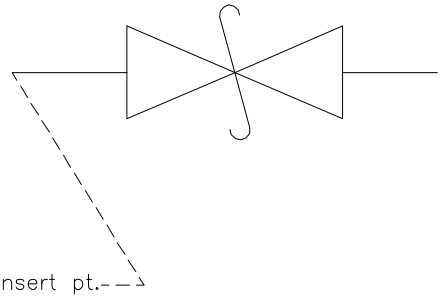
Mechanical MPSOVL
Element Type: Symbol
Description: Float Valve, Soldered



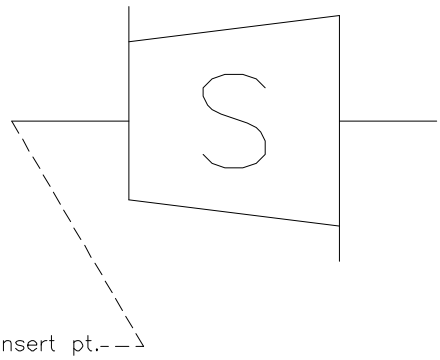
Mechanical MPSOSL
Element Type: Symbol
Description: Sleeve, Soldered



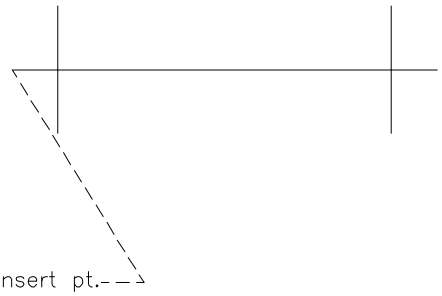
Mechanical MPSQOV
Element Type: Symbol
Description: Quick Opening Valve, Screwed



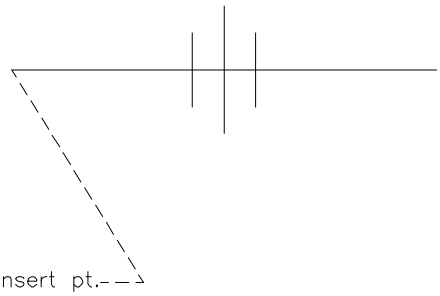
Mechanical MPSSAV
Element Type: Symbol
Description: Safety Valve, Screwed



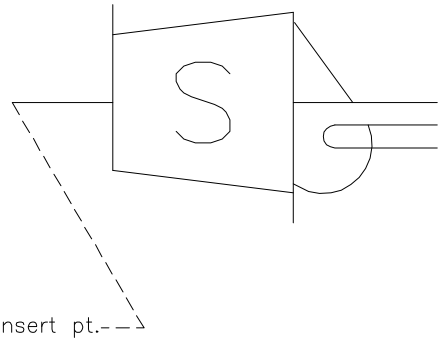
Mechanical MPSSTH
Element Type: Symbol
Description: Steam Turbine



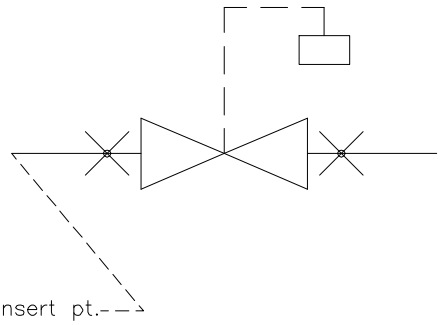
Mechanical MPSSLE
Element Type: Symbol
Description: Sleeve, Screwed



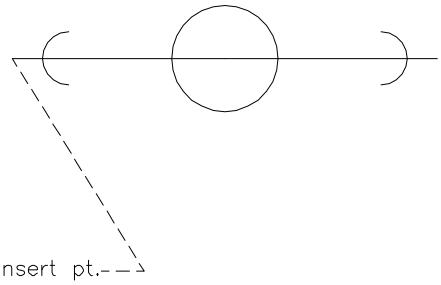
Mechanical MPSUNI
Element Type: Symbol
Description: Union, Screwed



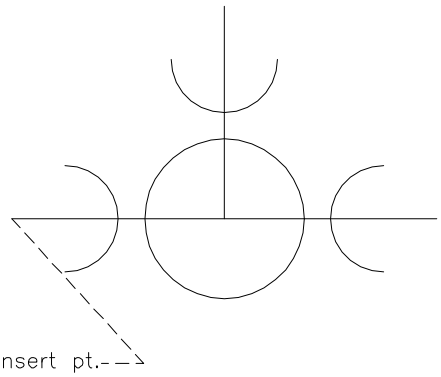
Mechanical MPSSTC
Element Type: Symbol
Description: Condensing Steam Turbine



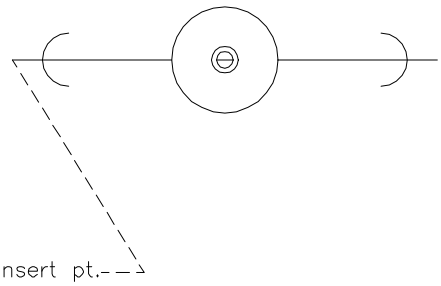
Mechanical MPSWWL
Element Type: Symbol
Description: Float Valve, Welded



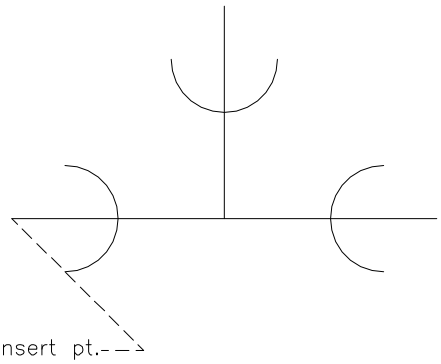
Mechanical MPTBOD
Element Type: Symbol
Description: Tee, Bell & Spigot, Outlet Down



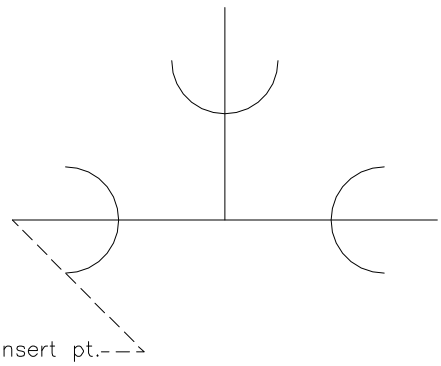
Mechanical MPTBSD
Element Type: Symbol
Description: Tee, Bell & Spigot, Side Outlet, Outlet Down



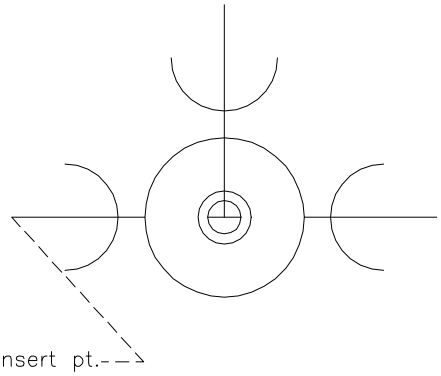
Mechanical MPTBOU
Element Type: Symbol
Description: Tee, Bell & Spigot, Outlet Up



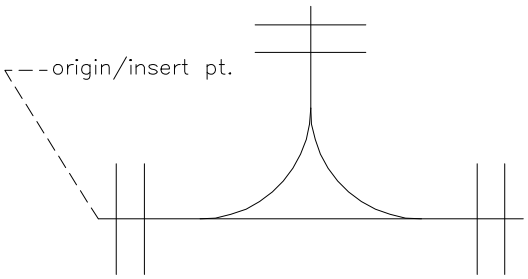
Mechanical MPTBSS
Element Type: Symbol
Description: Straight Size Tee, Bell & Spigot



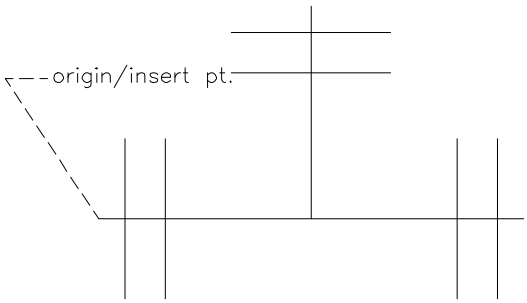
Mechanical MPTBRD
Element Type: Symbol
Description: Reducing Tee, Bell & Spigot



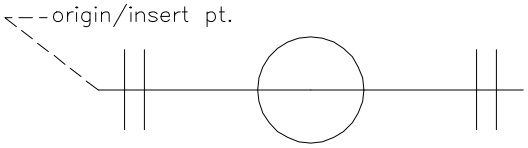
Mechanical MPTBSU
Element Type: Symbol
Description: Tee, Bell & Spigot, Side Outlet, Outlet Up



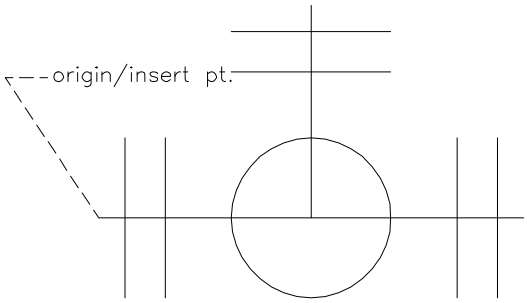
Mechanical MPTFDS
Element Type: Symbol
Description: Double Sweep Tee, Flanged



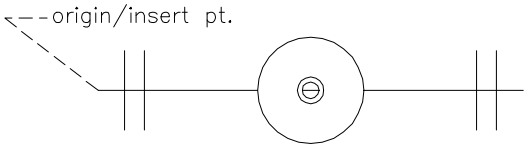
Mechanical MPTFRD
Element Type: Symbol
Description: Reducing Tee, Flanged



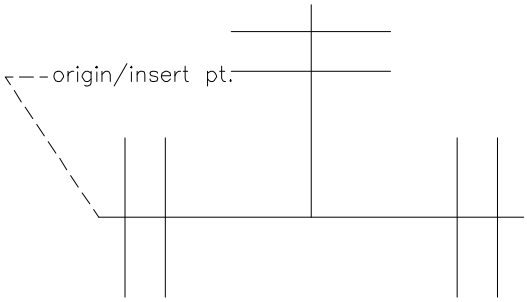
Mechanical MPTFOD
Element Type: Symbol
Description: Tee, Flanged, Outlet Down



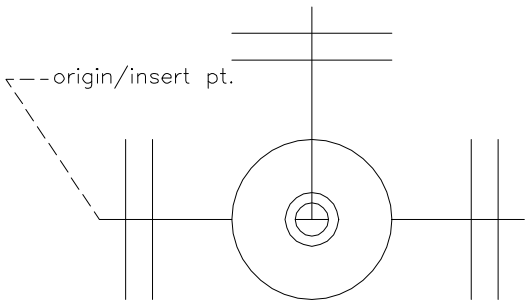
Mechanical MPTFSD
Element Type: Symbol
Description: Tee, Flanged, Side Outlet, Outlet Down



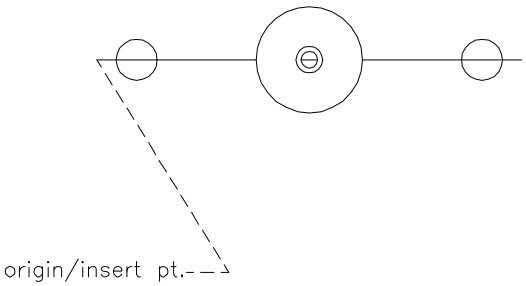
Mechanical MPTFOU
Element Type: Symbol
Description: Tee, Flanged, Outlet Up



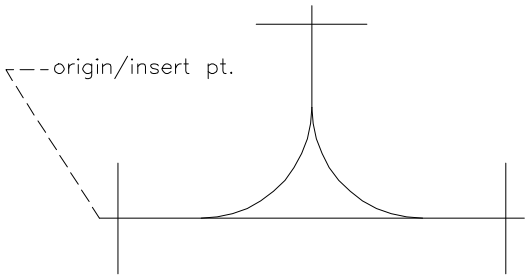
Mechanical MPTFSS
Element Type: Symbol
Description: Straight Size Tee, Flanged



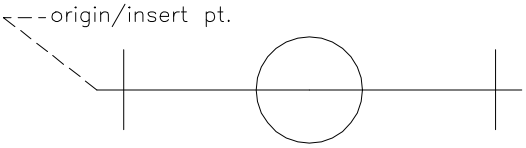
Mechanical MPTFSU
Element Type: Symbol
Description: Tee, Flanged, Side Outlet, Outlet Up



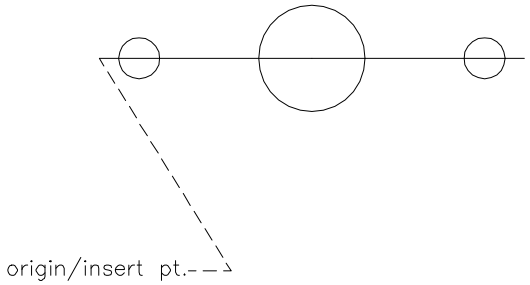
Mechanical MPTSLU
Element Type: Symbol
Description: Tee, Soldered, Outlet Up



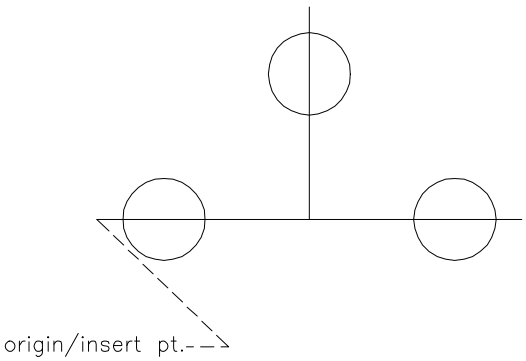
Mechanical MPTSDS
Element Type: Symbol
Description: Double Sweep Tee, Screwed



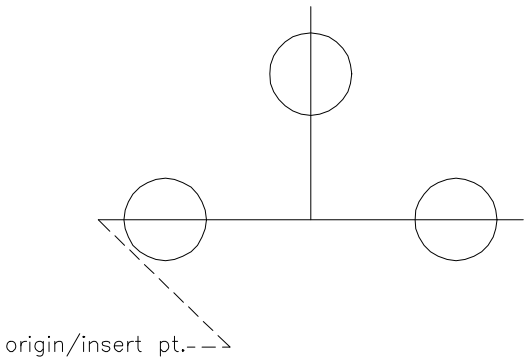
Mechanical MPTSOD
Element Type: Symbol
Description: Tee, Screwed, Outlet Down



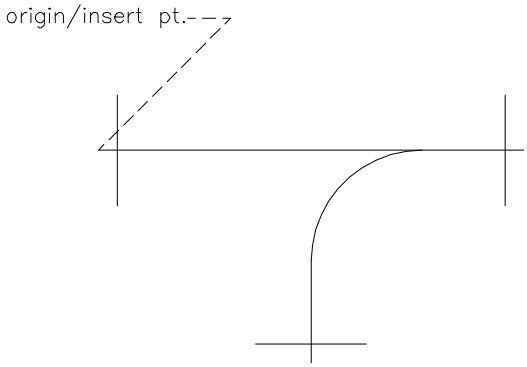
Mechanical MPTSLD
Element Type: Symbol
Description: Tee, Soldered, Outlet Down



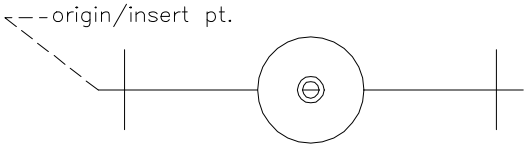
Mechanical MPTSOR
Element Type: Symbol
Description: Reducing Tee, Soldered



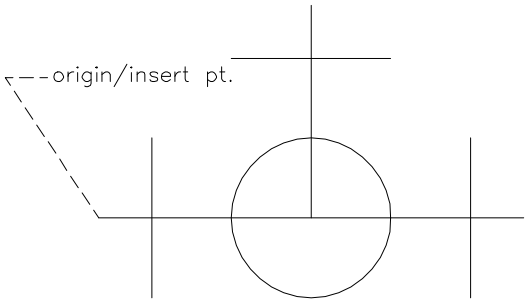
Mechanical MPTSOS
Element Type: Symbol
Description: Straight Size Tee, Soldered



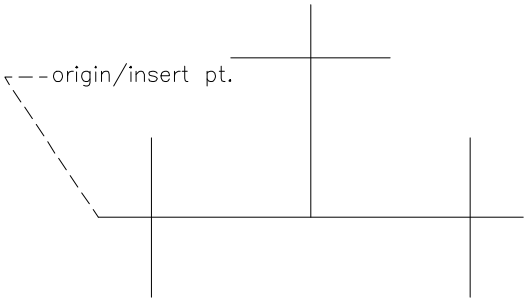
Mechanical MPTSSC
Element Type: Symbol
Description: Single Sweep Tee, Screwed



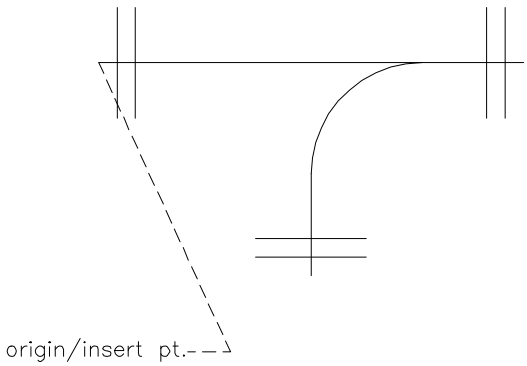
Mechanical MPTSOU
Element Type: Symbol
Description: Tee, Screwed, Outlet Up



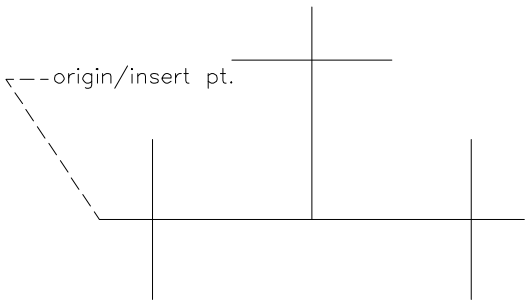
Mechanical MPTSSD
Element Type: Symbol
Description: Tee, Screwed, Side Outlet, Outlet Down



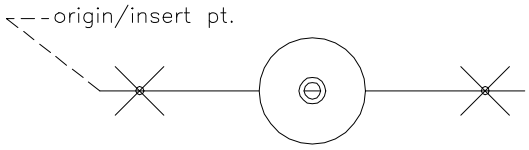
Mechanical MPTSRD
Element Type: Symbol
Description: Reducing Tee, Screwed



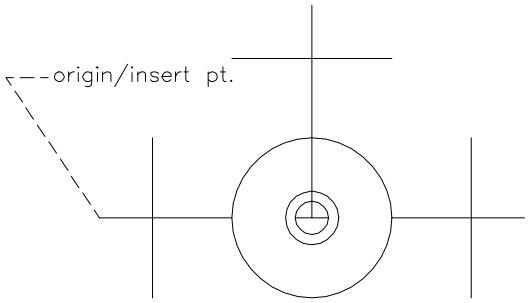
Mechanical MPTSSF
Element Type: Symbol
Description: Single Sweep Tee, Flanged



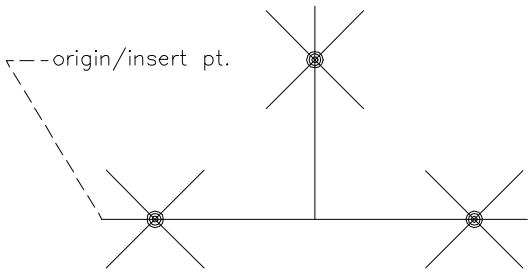
Mechanical MPTSSS
Element Type: Symbol
Description: Straight Size Tee, Screwed



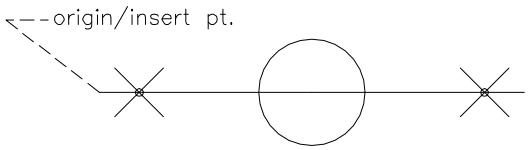
Mechanical MPTWOU
Element Type: Symbol
Description: Tee, Welded, Outlet Up



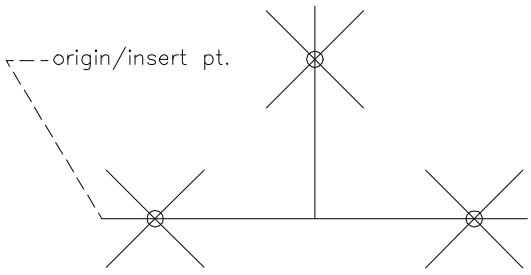
Mechanical MPTSSU
Element Type: Symbol
Description: Tee, Screwed, Side Outlet, Outlet Up



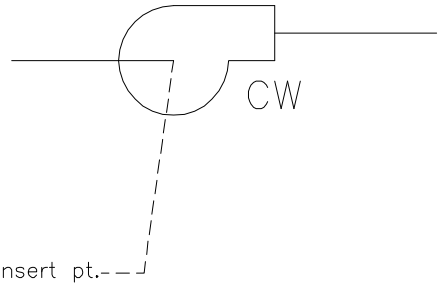
Mechanical MPTWRD
Element Type: Symbol
Description: Reducing Tee, Welded



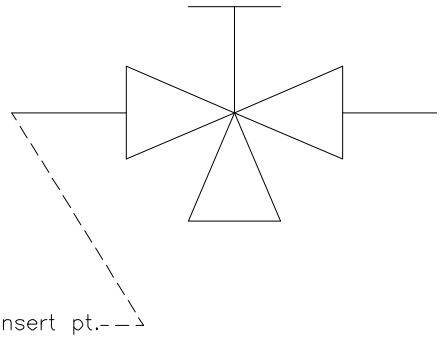
Mechanical MPTWOD
Element Type: Symbol
Description: Tee, Welded, Outlet Down



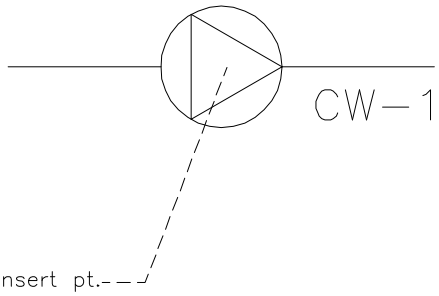
Mechanical MPTWSS
Element Type: Symbol
Description: Straight Size Tee, Welded



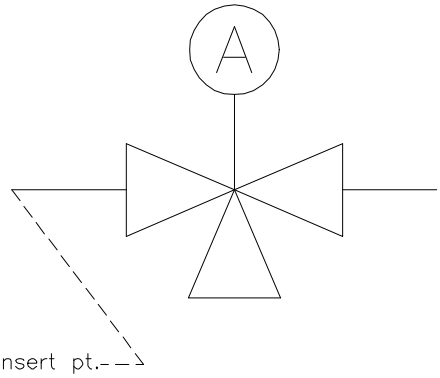
Mechanical MPUIND
Element Type: Symbol
Description: Pump (Plan) Indicate Use



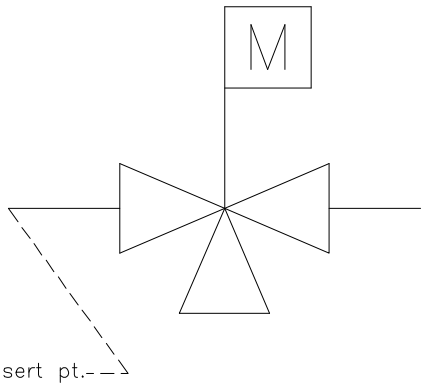
Mechanical MPV3MA
Element Type: Symbol
Description: 3-Way Manual Valve



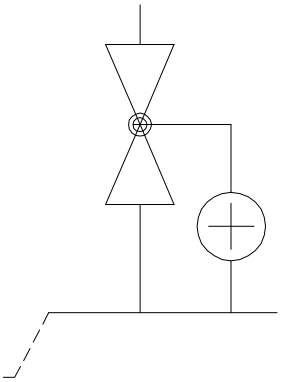
Mechanical MPUMP
Element Type: Symbol
Description: Pump (Schematic) Indicate Use



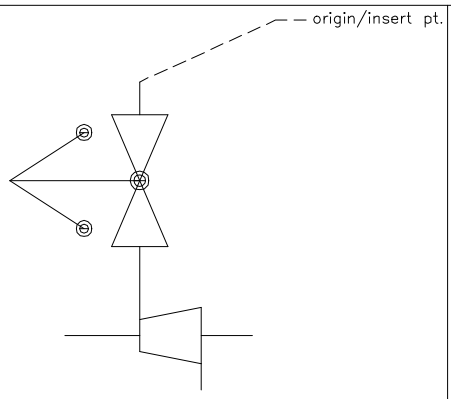
Mechanical MPV3MC
Element Type: Symbol
Description: 3-Way Air Motor Controlled Valve



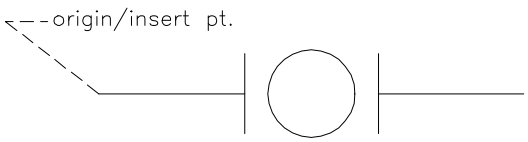
Mechanical MPV3EC
Element Type: Symbol
Description: 3-Way Electric Motor Controlled Valve



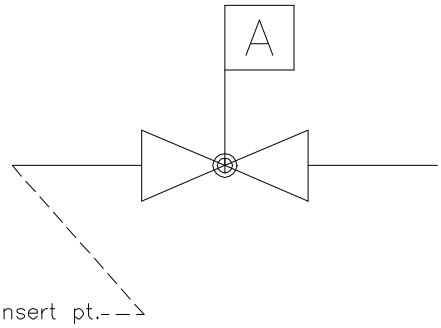
Mechanical MPVABV
Element Type: Symbol
Description: Automatic Bypass Valve (2)



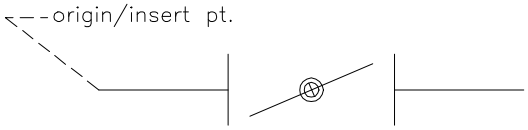
Mechanical MPVAGO
Element Type: Symbol
Description: Automatic Governor Operated Valve



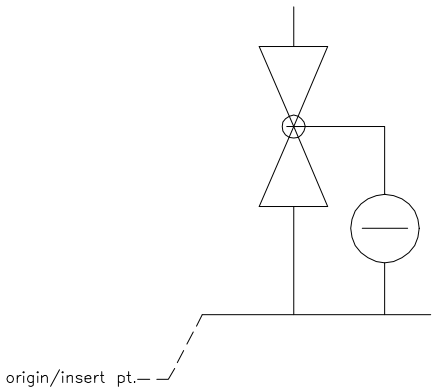
Mechanical MPVBAL
Element Type: Symbol
Description: Ball Valve



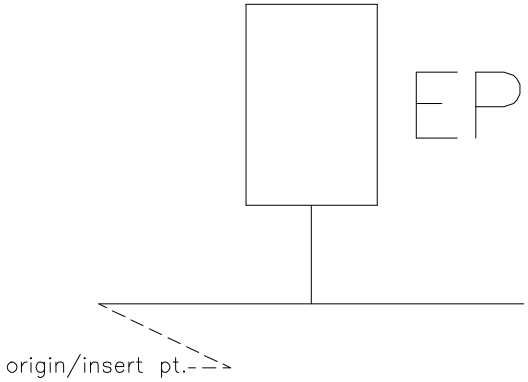
Mechanical MPVAMC
Element Type: Symbol
Description: Air Motor Controlled Globe Valve



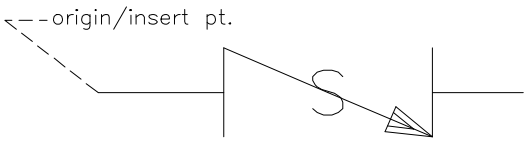
Mechanical MPVBUT
Element Type: Symbol
Description: Butterfly Valve



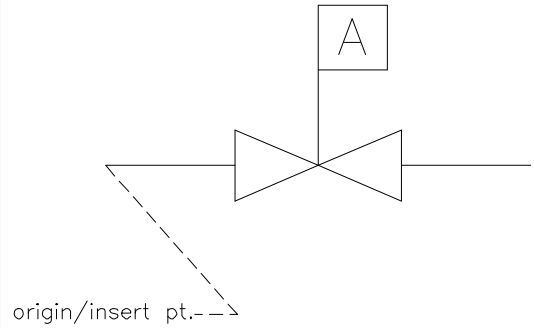
Mechanical MPVARD
Element Type: Symbol
Description: Automatic Reducing Valve (2)



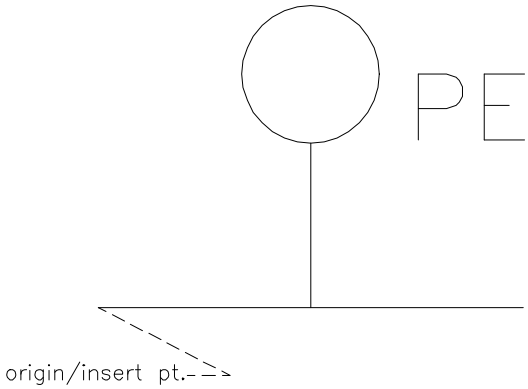
Mechanical MPVCEP
Element Type: Symbol
Description: Electric Pneumatic Control



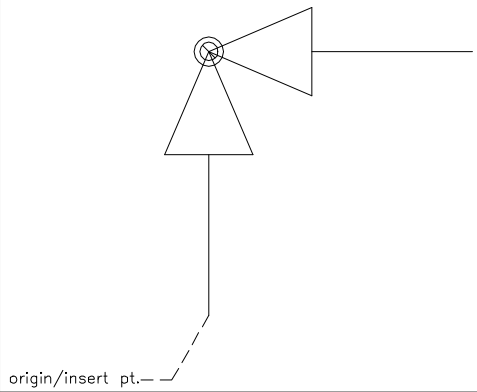
Mechanical MPVCHS
Element Type: Symbol
Description: Spring Check Valve



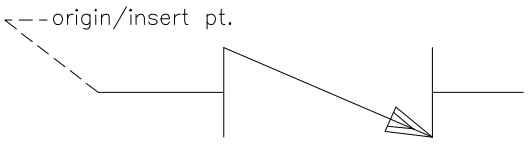
Mechanical MPVGAC
Element Type: Symbol
Description: Air Motor Controlled Gate Valve



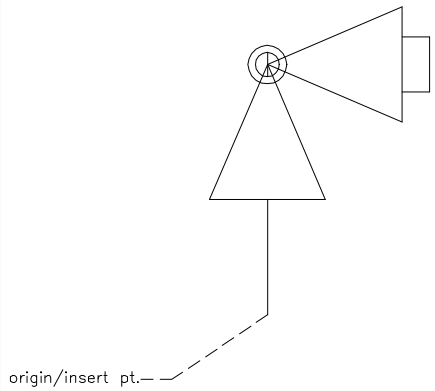
Mechanical MPVCPE
Element Type: Symbol
Description: Pneumatic Electric Control



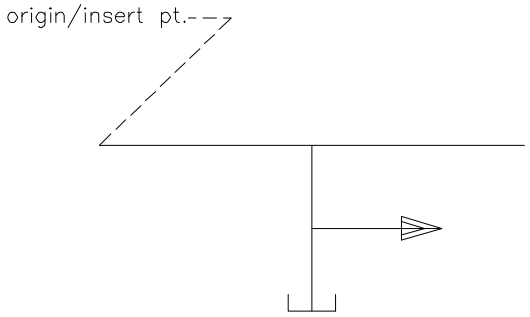
Mechanical MPVGAE
Element Type: Symbol
Description: Angle Globe Valve (Elevation)



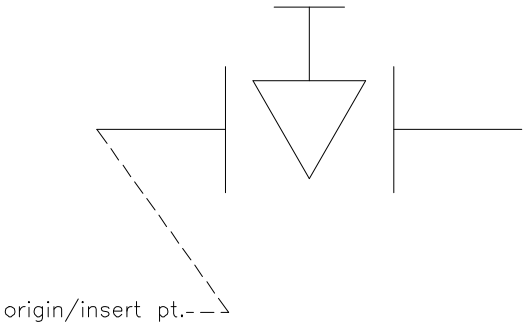
Mechanical MPVCSG
Element Type: Symbol
Description: Swing Gate Check Valve



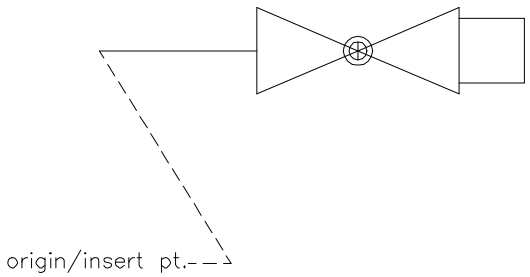
Mechanical MPVHAN
Element Type: Symbol
Description: Angle Hose Valve



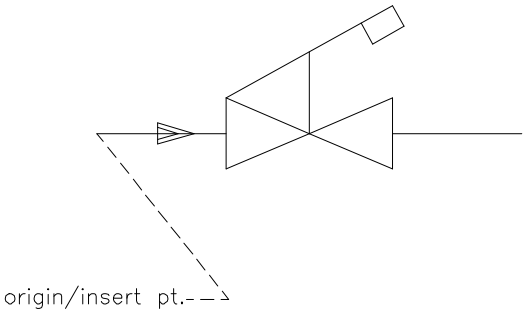
Mechanical MPVHGB
Element Type: Symbol
Description: Drain Hose End



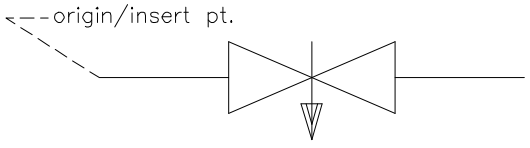
Mechanical MPVPLG
Element Type: Symbol
Description: Plug Valve



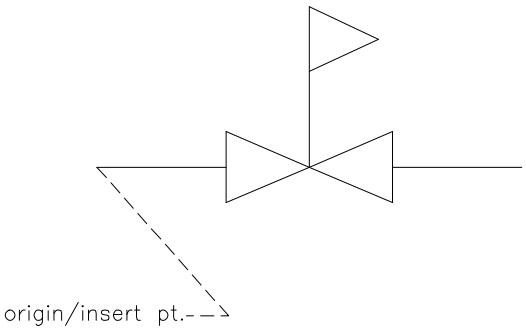
Mechanical MPVHGO
Element Type: Symbol
Description: Hose Globe Valve



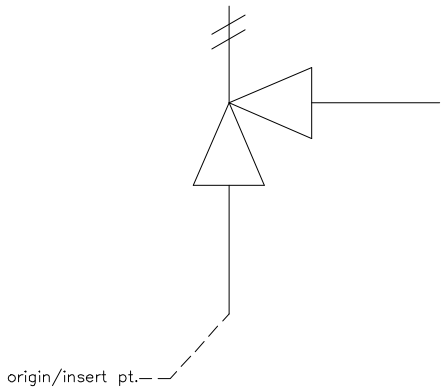
Mechanical MPVQCF
Element Type: Symbol
Description: Fusible Link Quick Valve



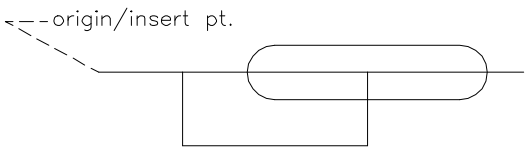
Mechanical MPVNEE
Element Type: Symbol
Description: Needle Valve



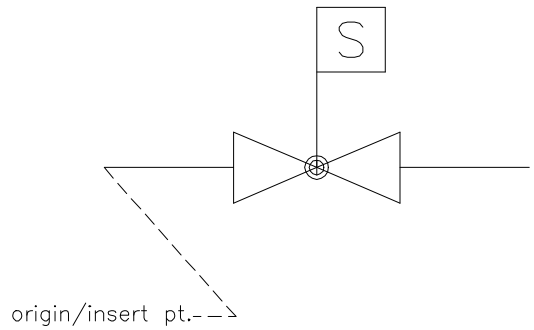
Mechanical MPVRED
Element Type: Symbol
Description: Pressure Reducing Valve (2)



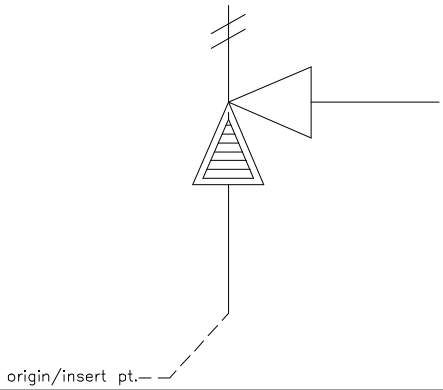
Mechanical MPVREL
Element Type: Symbol
Description: Relief or Safety Valve



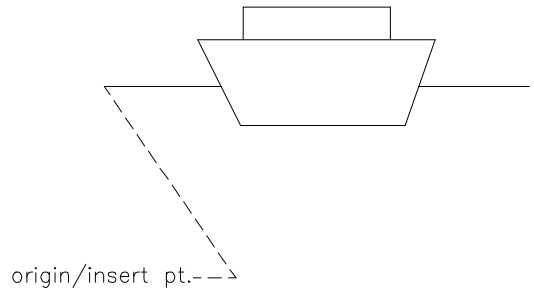
Mechanical MPVSUC
Element Type: Symbol
Description: Vapor Regulated Suction Valve



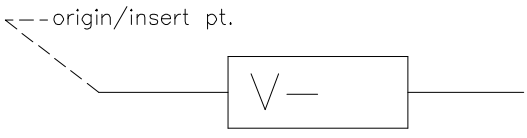
Mechanical MPVSOI
Element Type: Symbol
Description: Solenoid Valve (2)



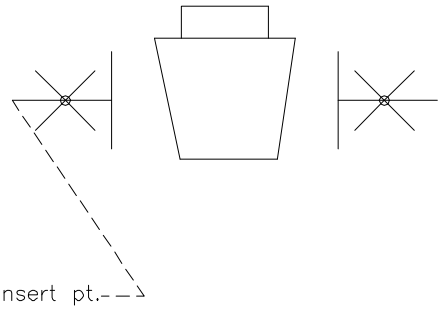
Mechanical MPVTEM
Element Type: Symbol
Description: Temperature Pressure Relief Valve



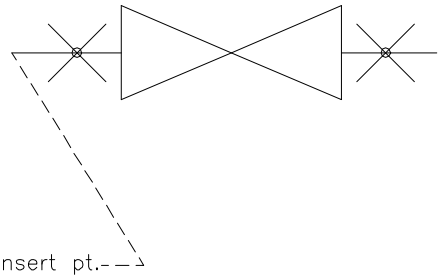
Mechanical MPVSQU
Element Type: Symbol
Description: Square Head Cock



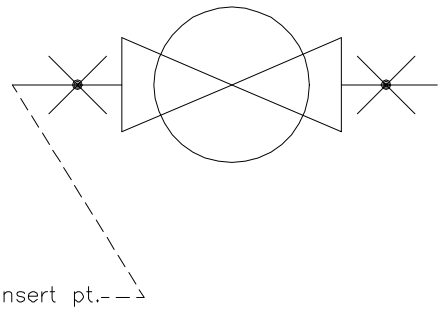
Mechanical MPVUNC
Element Type: Symbol
Description: Unclassified Valve



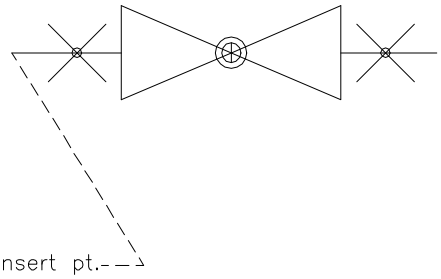
Mechanical MPWCOC
Element Type: Symbol
Description: Cock, Welded



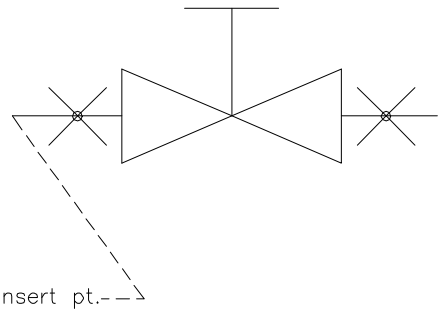
Mechanical MPWGAV
Element Type: Symbol
Description: Stop Valve, Welded



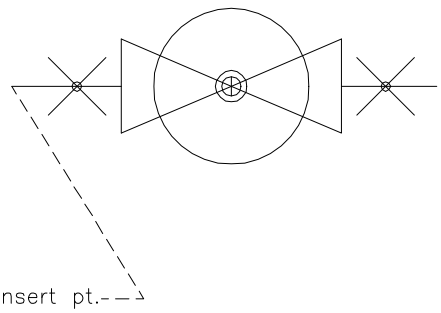
Mechanical MPWGAP
Element Type: Symbol
Description: Gate Valve, Welded (Plan)



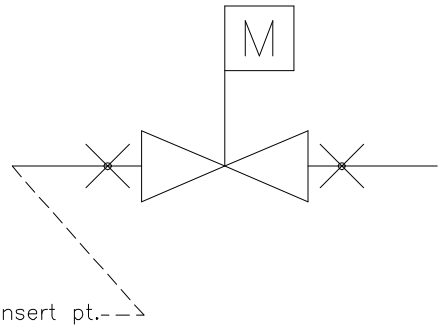
Mechanical MPWGLB
Element Type: Symbol
Description: Globe Valve, Soldered (Elevation)



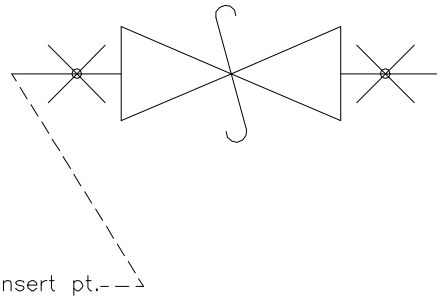
Mechanical MPWGAT
Element Type: Symbol
Description: Gate Valve, Welded (Elevation)



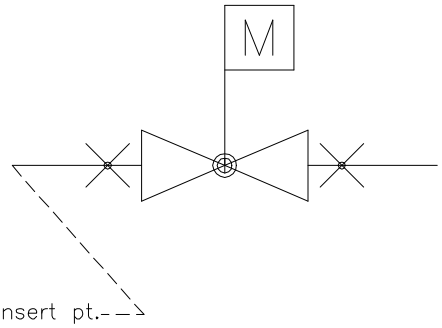
Mechanical MPWGLV
Element Type: Symbol
Description: Globe Valve, Soldered (Plan)



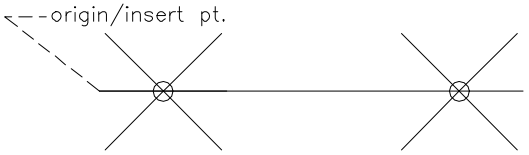
Mechanical MPWMOP
Element Type: Symbol
Description: Motor Operated Gate Valve, Welded



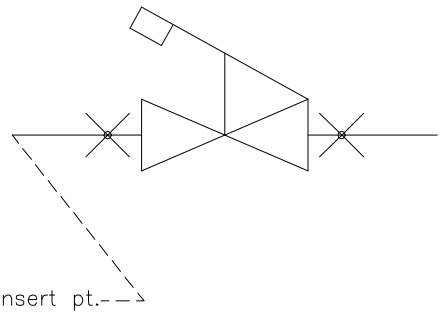
Mechanical MPWSAV
Element Type: Symbol
Description: Safety Valve, Welded



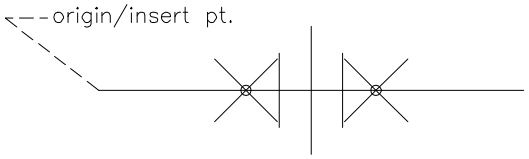
Mechanical MPWMOT
Element Type: Symbol
Description: Motor Operated Globe Valve, Welded



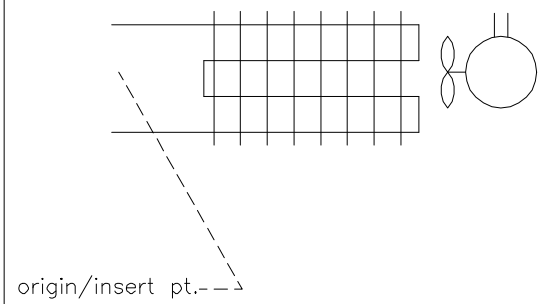
Mechanical MPWSLE
Element Type: Symbol
Description: Sleeve, Welded



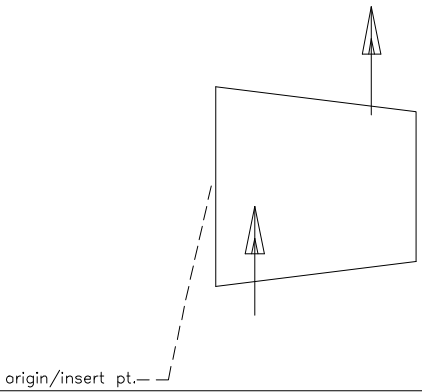
Mechanical MPWQOV
Element Type: Symbol
Description: Quick Opening Valve, Soldered



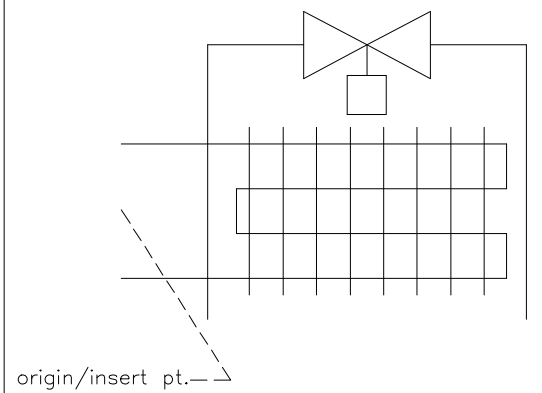
Mechanical MPWUNI
Element Type: Symbol
Description: Union, Welded



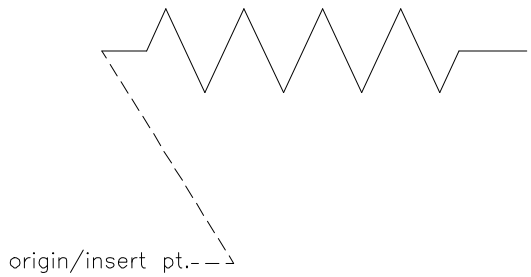
Mechanical MRCAFA
Element Type: Symbol
Description: Condenser, Air-Cooled Fin, Forced Air



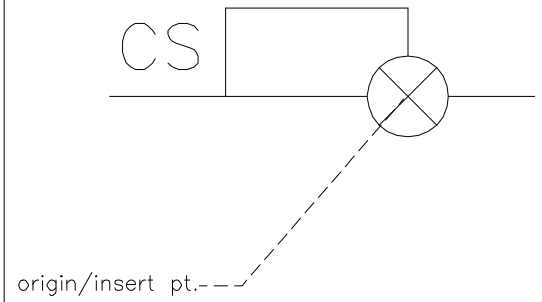
Mechanical MRCCEN
Element Type: Symbol
Description: Centrifugal Compressor



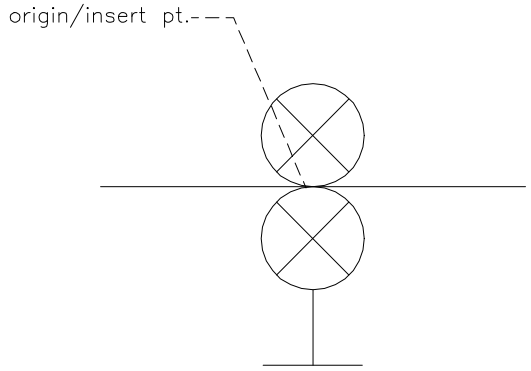
Mechanical MRCAFS
Element Type: Symbol
Description: Condenser, Air-Cooled Fin, Static



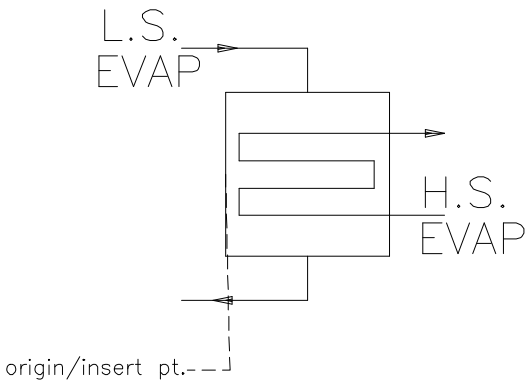
Mechanical MRCCTU
Element Type: Symbol
Description: Capillary Tube



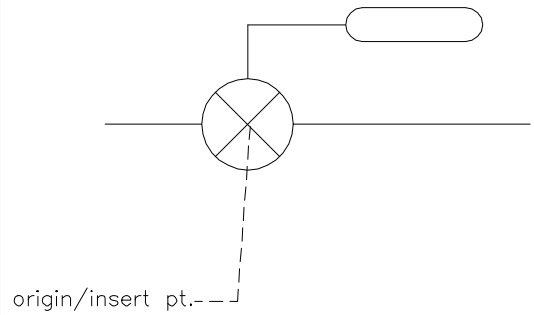
Mechanical MRCCCS
Element Type: Symbol
Description: Valve Compressor Suction Pressure



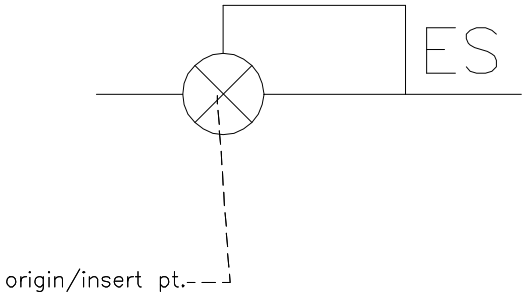
Mechanical MRCCVS
Element Type: Symbol
Description: Valve, Constant Pressure Suction



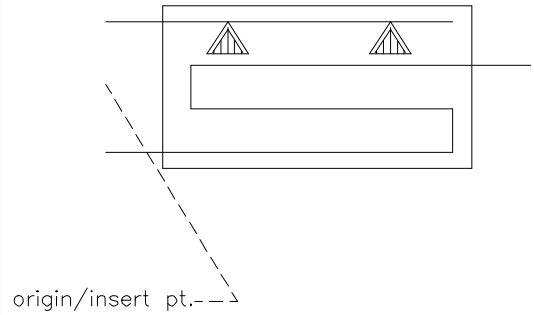
Mechanical MRCECS
Element Type: Symbol
Description: Condenser Evaporator Cascade System



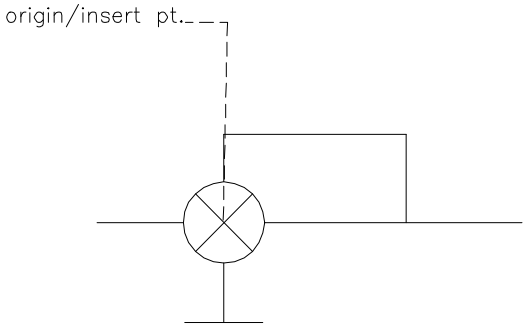
Mechanical MRCETT
Element Type: Symbol
Description: Valve, Evaporative Pressure Reg. Throttling



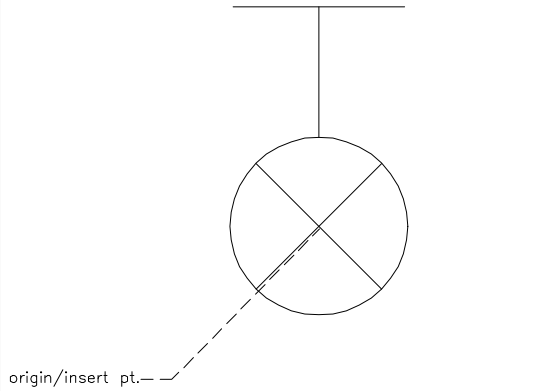
Mechanical MRCEES
Element Type: Symbol
Description: Valve, Evaporative Pressure Reg. Throttling



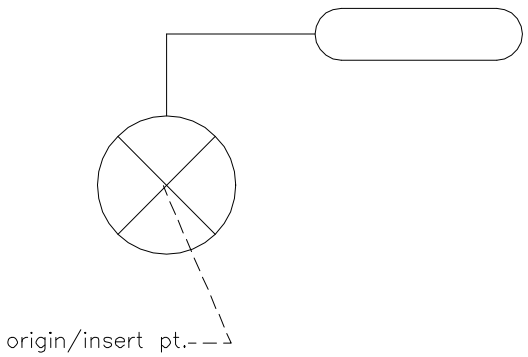
Mechanical MRCEVA
Element Type: Symbol
Description: Evaporative Condenser



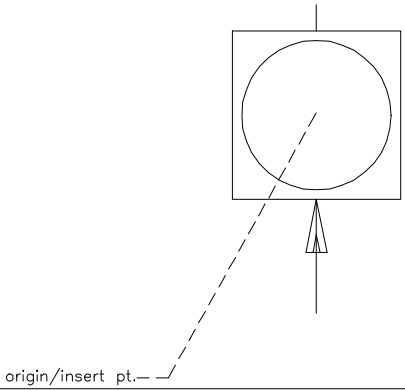
Mechanical MRCEST
Element Type: Symbol
Description: Valve, Evaporative Pressure Reg. Snap Action



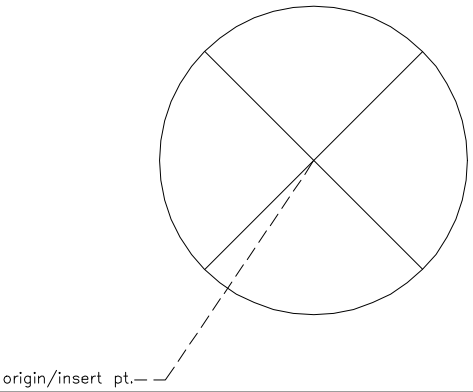
Mechanical MRCEVH
Element Type: Symbol
Description: Expansion Hand Valve



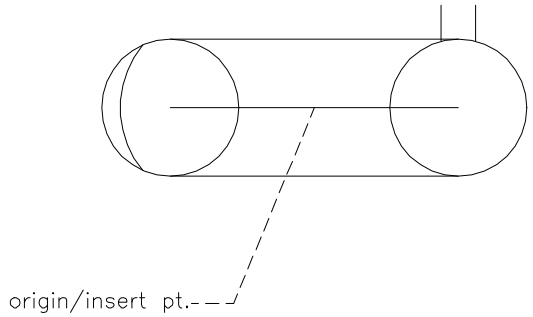
Mechanical MRCEVT
Element Type: Symbol
Description: Thermostatic Expansion Valve



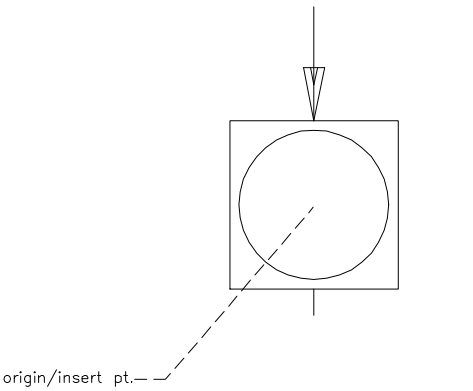
Mechanical MRCFLS
Element Type: Symbol
Description: Low Side Float Valve



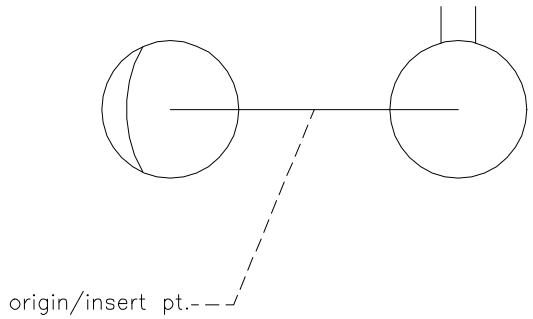
Mechanical MRCEXV
Element Type: Symbol
Description: Automatic Expansion Valve



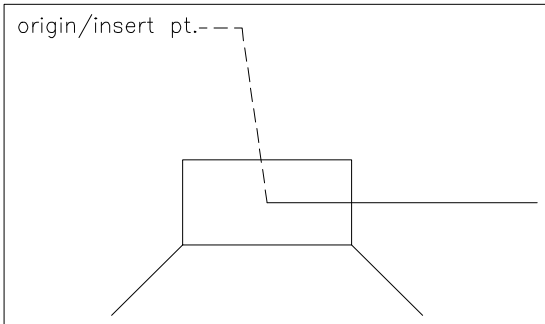
Mechanical MRCMDC
Element Type: Symbol
Description: Rotary Motor Sealed Compressor



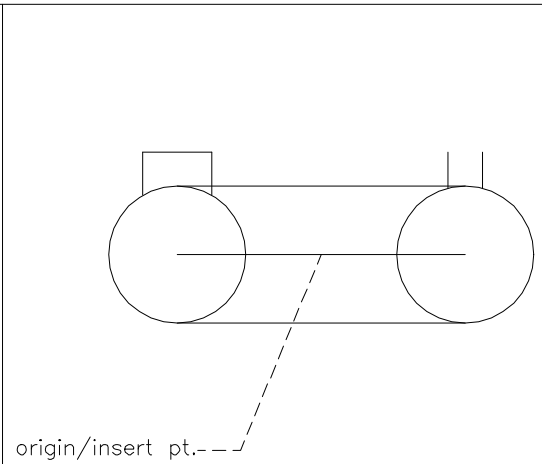
Mechanical MRCFHS
Element Type: Symbol
Description: High Side Float Valve



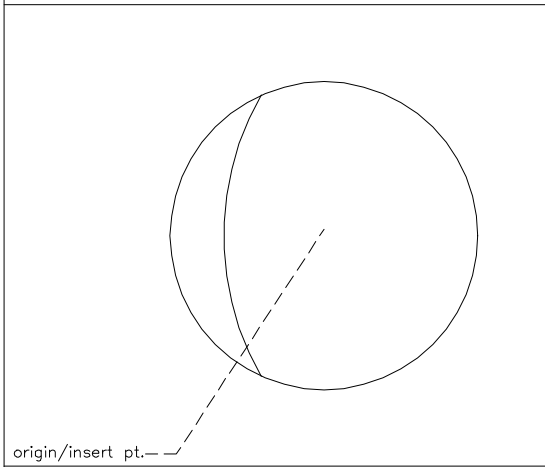
Mechanical MRCRDC
Element Type: Symbol
Description: Rotary Motor Enclosed Compressor



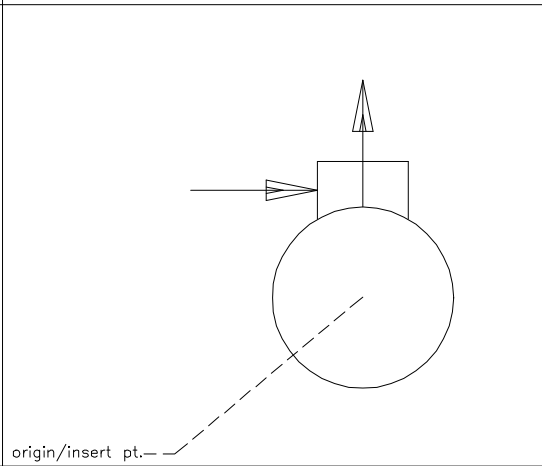
Mechanical MRCRDD
Element Type: Symbol
Description: Open Crankcase Reciprocating Compressor



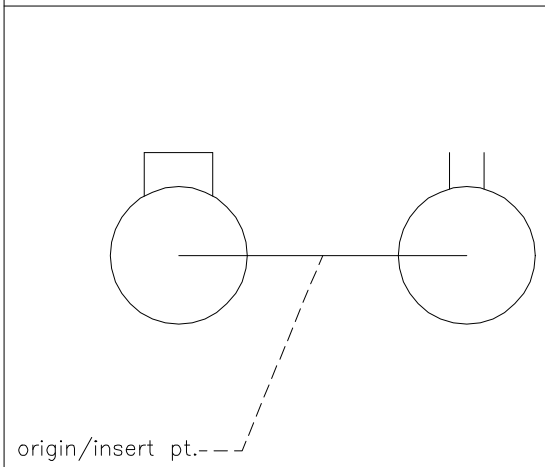
Mechanical MRCRMS
Element Type: Symbol
Description: Motor Sealed Reciprocating Compressor



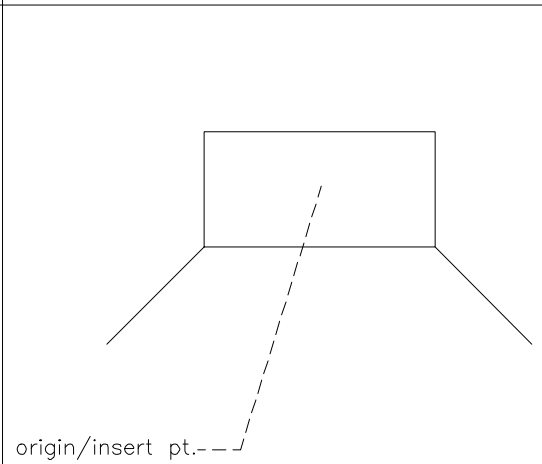
Mechanical MRCREB
Element Type: Symbol
Description: Rotary Motor Enclosed Compressor



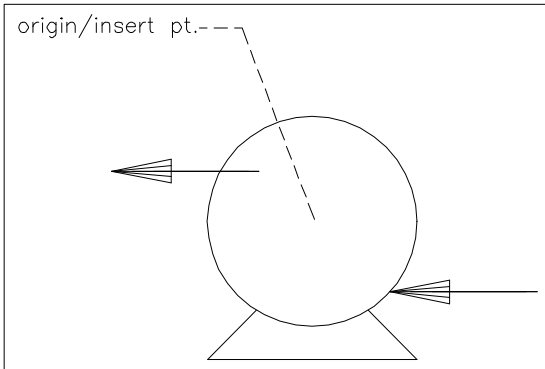
Mechanical MRCROB
Element Type: Symbol
Description: Reciprocating Compressor



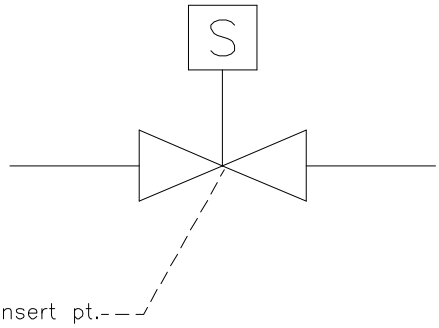
Mechanical MRCRME
Element Type: Symbol
Description: Motor Enclosed Reciprocating Compressor



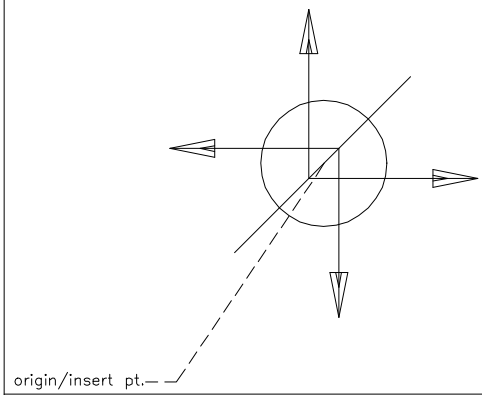
Mechanical MRCROD
Element Type: Symbol
Description: Open Crankcase Reciprocating Compressor



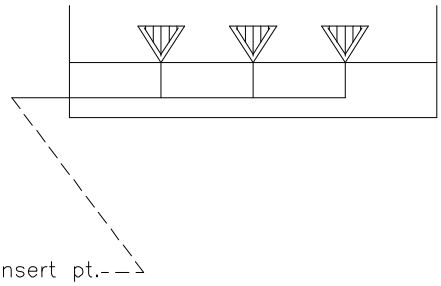
Mechanical MRCROT
Element Type: Symbol
Description: Rotary Compressor



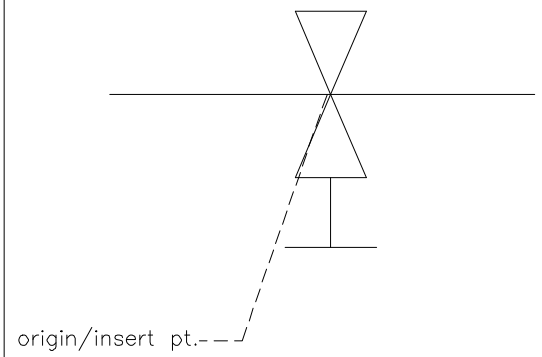
Mechanical MRCSOV
Element Type: Symbol
Description: Solenoid Valve (1)



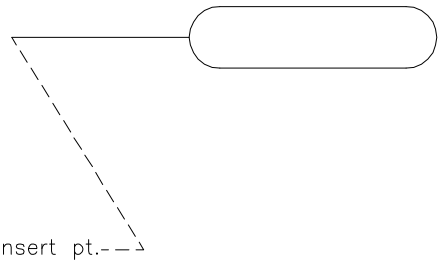
Mechanical MRCRRV
Element Type: Symbol
Description: Valve, Refrigerant Reversing



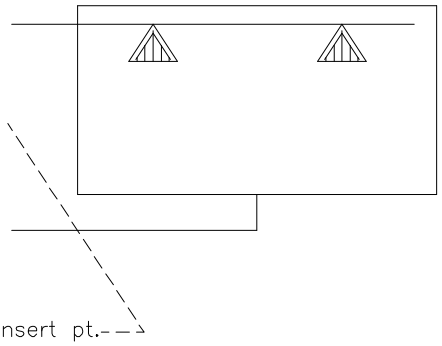
Mechanical MRCSPO
Element Type: Symbol
Description: Spray Pond



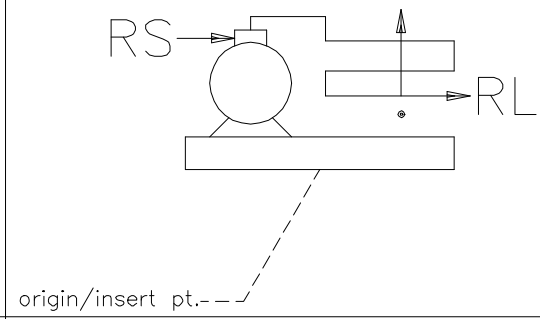
Mechanical MRCSAV
Element Type: Symbol
Description: Snap Action Valve



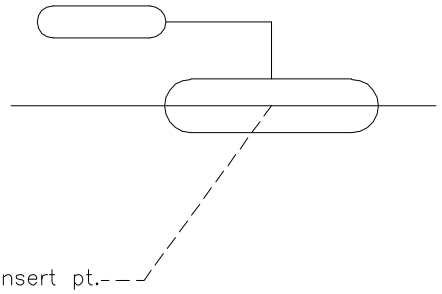
Mechanical MRCTHB
Element Type: Symbol
Description: Thermal Bulb



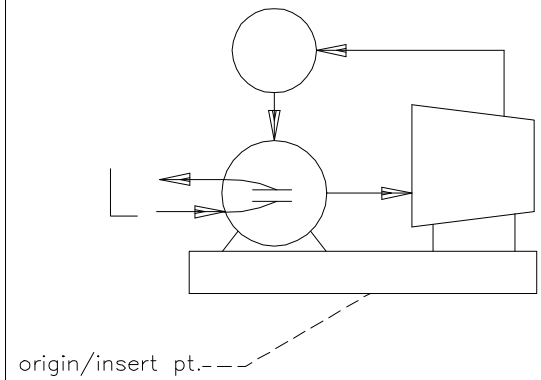
Mechanical MRCTOW
Element Type: Symbol
Description: Cooling Tower



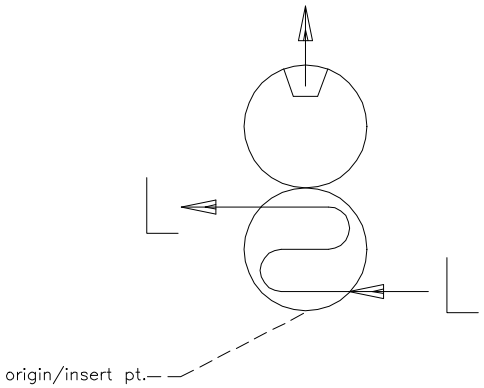
Mechanical MRCUAC
Element Type: Symbol
Description: Air-Cooled Condensing Unit



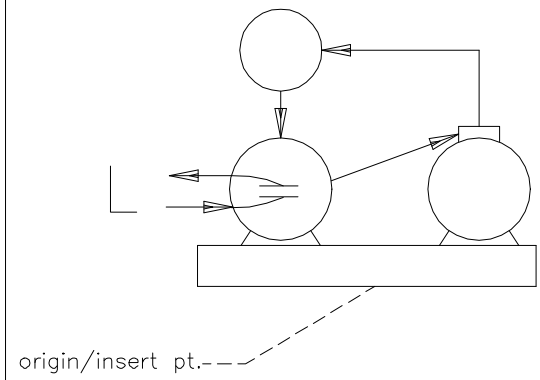
Mechanical MRCTSV
Element Type: Symbol
Description: Valve, Thermosuction



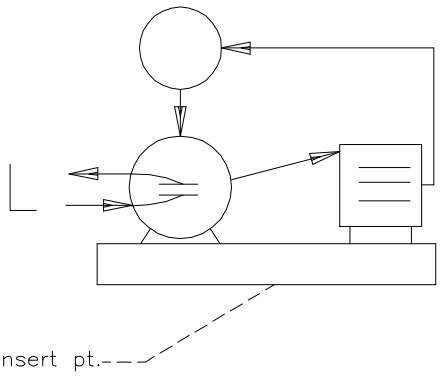
Mechanical MRCUCE
Element Type: Symbol
Description: Chilling Centrifugal Unit



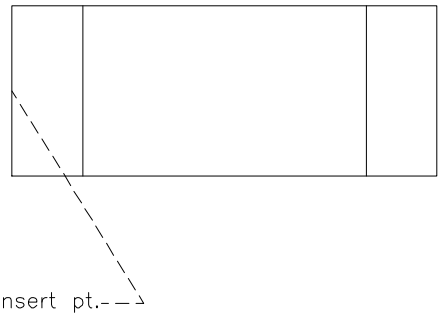
Mechanical MRCUAB
Element Type: Symbol
Description: Chilling Absorption Unit



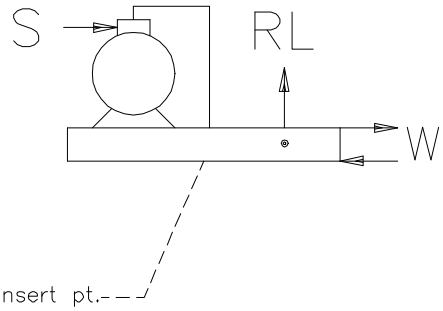
Mechanical MRCURE
Element Type: Symbol
Description: Chilling Reciprocating Unit



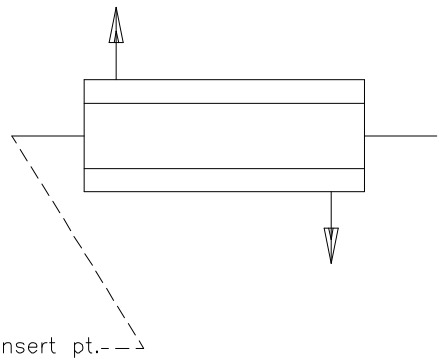
Mechanical MRCURO
Element Type: Symbol
Description: Chilling Rotary Screw Unit



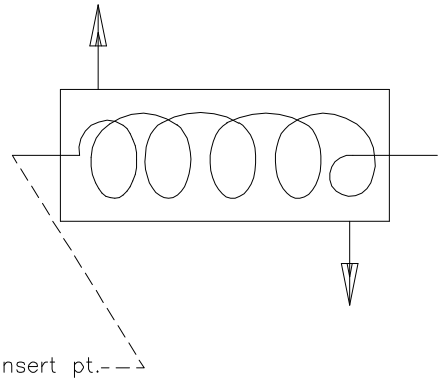
Mechanical MRCWCS
Element Type: Symbol
Description: Water Cooled Condenser



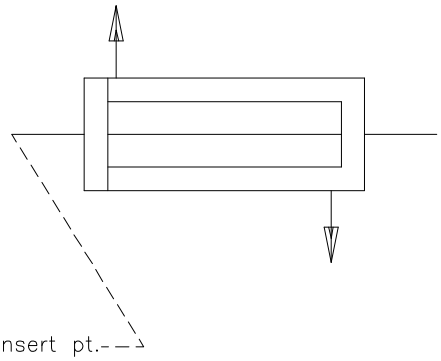
Mechanical MRCUWC
Element Type: Symbol
Description: Water-Cooled Condensing Unit



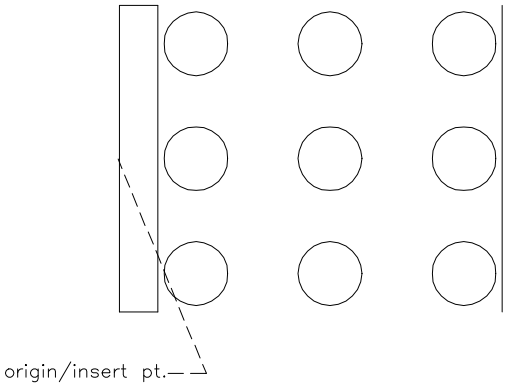
Mechanical MRCWCT
Element Type: Symbol
Description: Water Cooled Concentric Tube Condenser



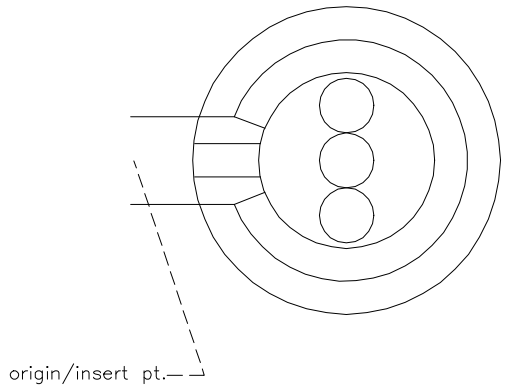
Mechanical MRCWCC
Element Type: Symbol
Description: Water Cooled Shell/Coil Condenser



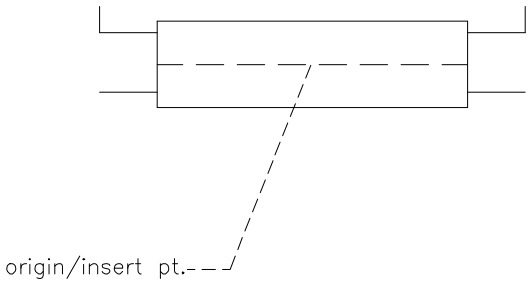
Mechanical MRCWST
Element Type: Symbol
Description: Water Cooled Shell/Tube Condenser



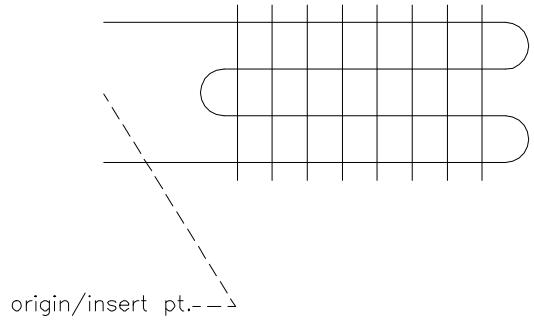
Mechanical MREBTG
Element Type: Symbol
Description: Bare Tube Gravity Air Evaporator



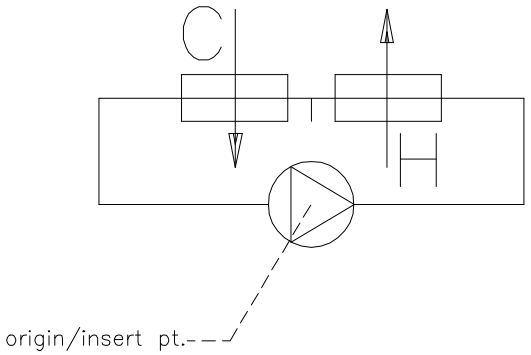
Mechanical MREFCC
Element Type: Symbol
Description: Finned Circular Ceiling Evaporator



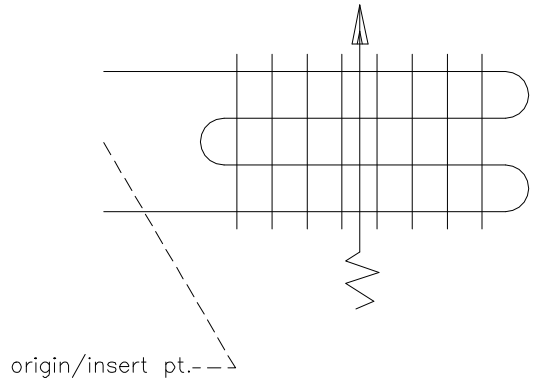
Mechanical MRECDB
Element Type: Symbol
Description: Double Bundle Condenser



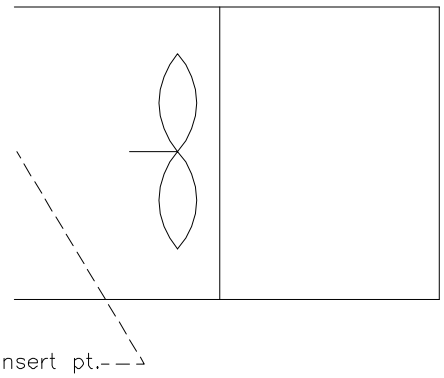
Mechanical MREFCN
Element Type: Symbol
Description: Finned Coil Natural Convection Evaporator



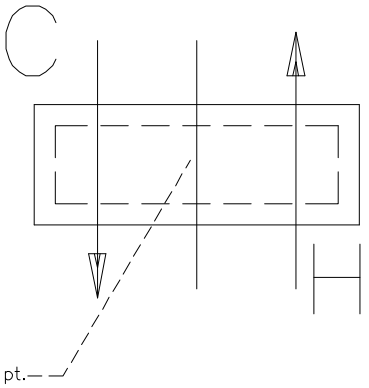
Mechanical MRECLP
Element Type: Symbol
Description: Coil Loop



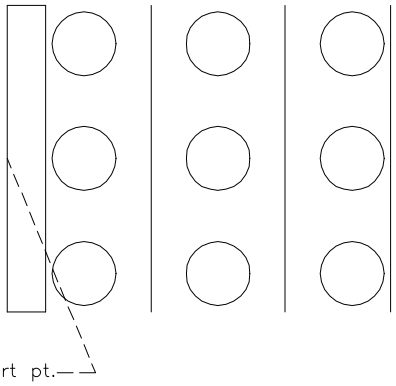
Mechanical MREFCO
Element Type: Symbol
Description: Forced Convection Evaporator



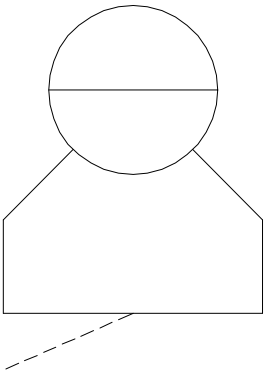
Mechanical MREFCU
Element Type: Symbol
Description: Forced Convection Cool Unit Evaporator



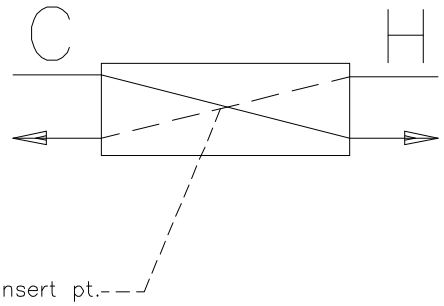
Mechanical MREHPI
Element Type: Symbol
Description: Pipe Heat



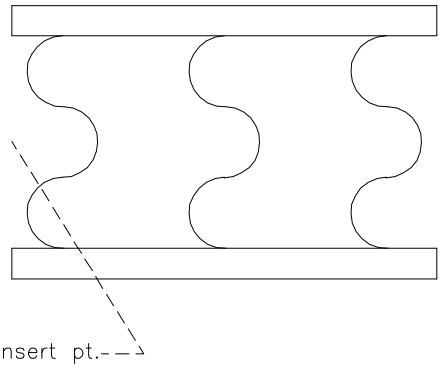
Mechanical MREFGA
Element Type: Symbol
Description: Finned Gravity Air Evaporator



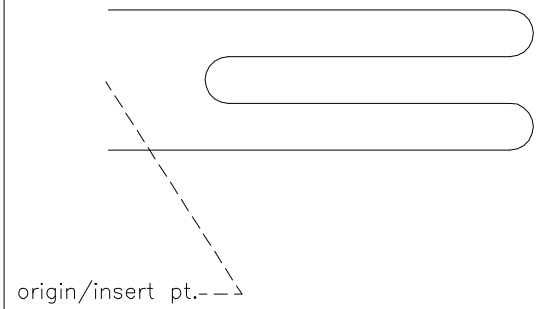
Mechanical MREICU
Element Type: Symbol
Description: Immersion Cool Unit Evaporator



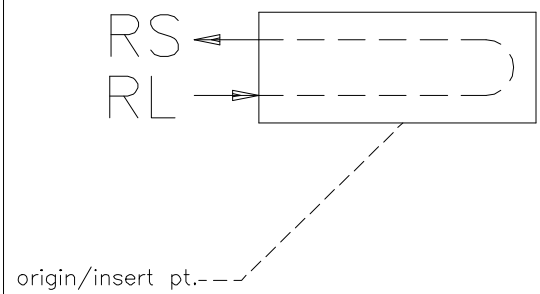
Mechanical MREFPL
Element Type: Symbol
Description: Fixed Plate



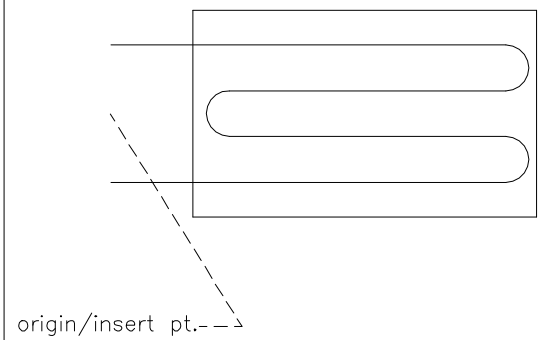
Mechanical MREPCH
Element Type: Symbol
Description: Plate Coil Head or Manifold Evaporator



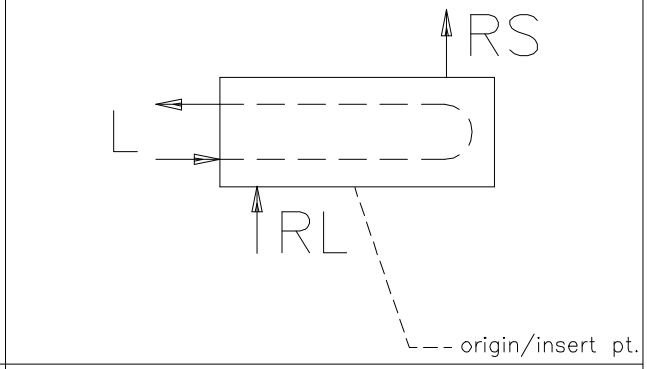
Mechanical MREPCL
Element Type: Symbol
Description: Pipe Coil Evaporator



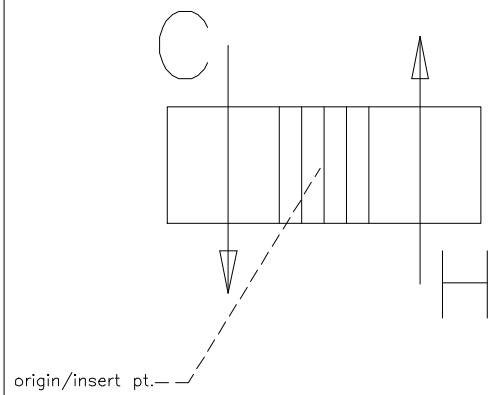
Mechanical MRLCDE
Element Type: Symbol
Description: Liquid Direct Expansion Chiller



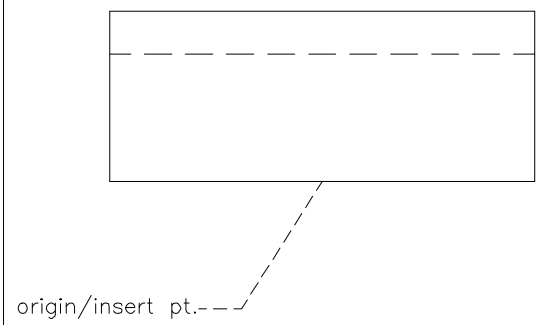
Mechanical MREPLC
Element Type: Symbol
Description: Plate Coil Evaporator



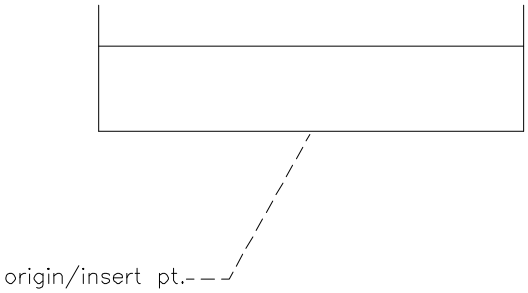
Mechanical MRLCFL
Element Type: Symbol
Description: Liquid Flooded Chiller



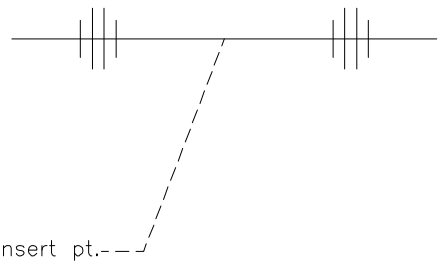
Mechanical MRERHW
Element Type: Symbol
Description: Rotary Heat Wheel



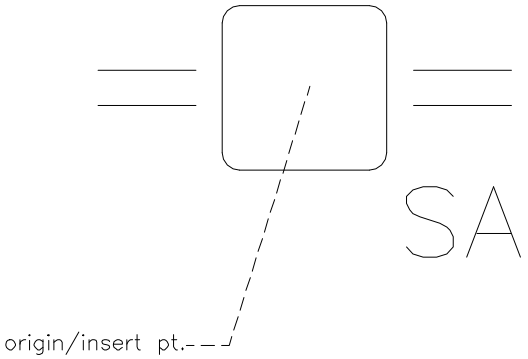
Mechanical MRLCTC
Element Type: Symbol
Description: Closed Liquid Chiller Tank



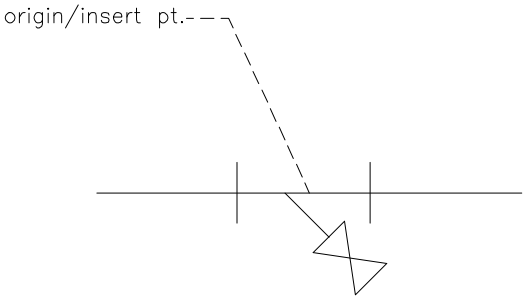
Mechanical MRLCTO
Element Type: Symbol
Description: Open Liquid Chiller Tank



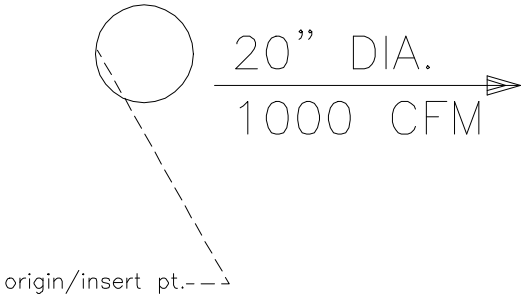
Mechanical MSPPFL
Element Type: Symbol
Description: Flanged Spool Piece



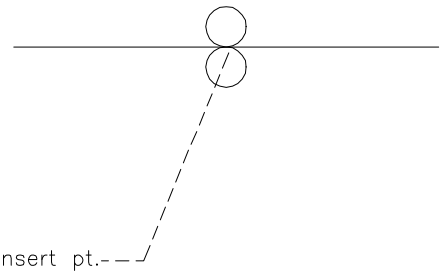
Mechanical MSOATT
Element Type: Symbol
Description: Ductwork Sound Attenuator



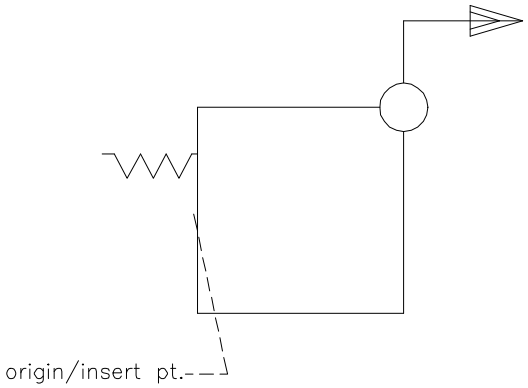
Mechanical MSTBLO
Element Type: Symbol
Description: Blow Off Strainer



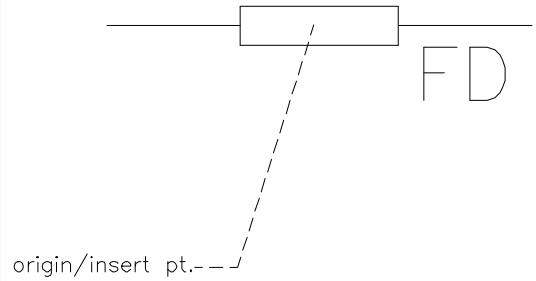
Mechanical MSPOUT
Element Type: Symbol
Description: Ceiling Spout Outlet



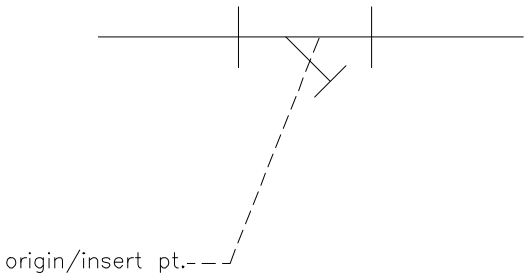
Mechanical MSTDUP
Element Type: Symbol
Description: Duplex Strainer



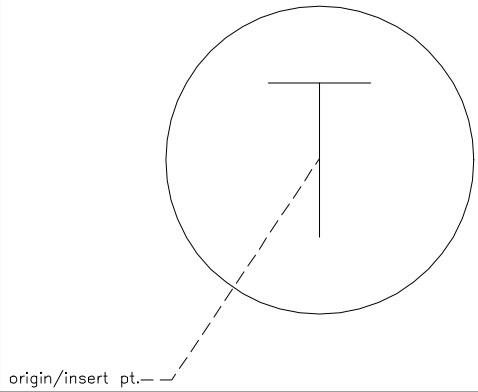
Mechanical MSTGEN
Element Type: Symbol
Description: Steam Generator



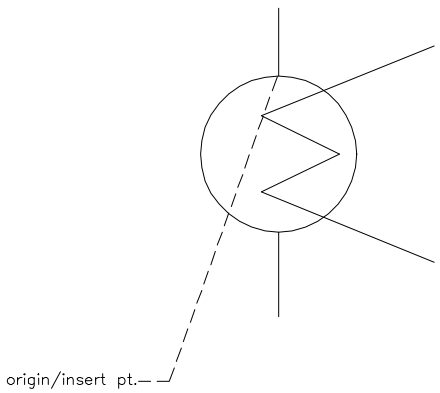
Mechanical MTAIND
Element Type: Symbol
Description: Tank (Indicate Use)



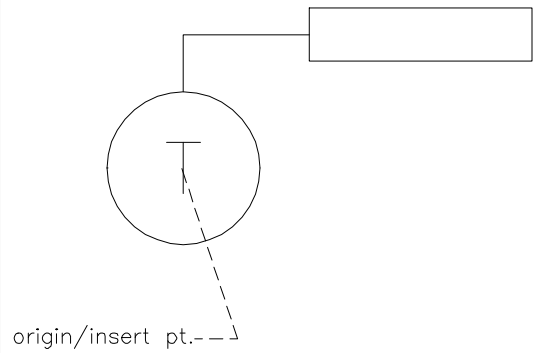
Mechanical MSTRAN
Element Type: Symbol
Description: Strainer (2)



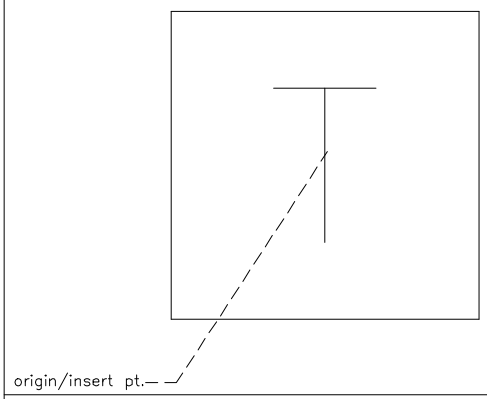
Mechanical MTHELE
Element Type: Symbol
Description: Electric Thermostat



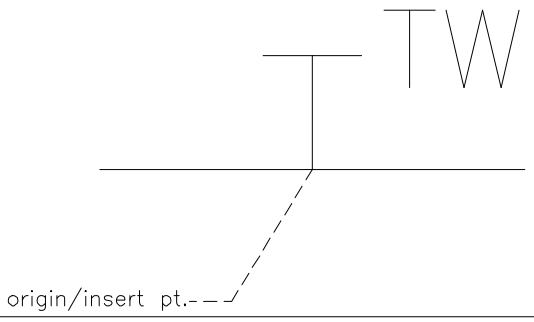
Mechanical MSUCOM
Element Type: Symbol
Description: Condenser Surface



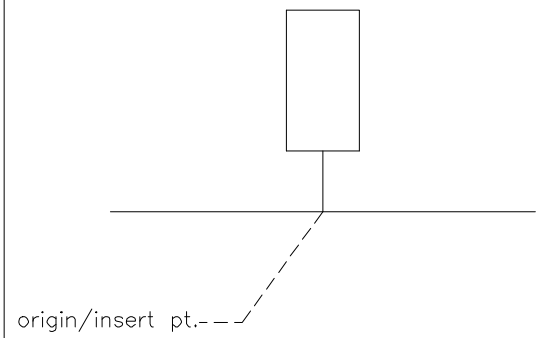
Mechanical MTHERM
Element Type: Symbol
Description: Thermostat



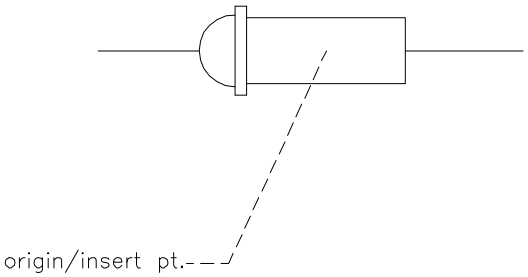
Mechanical MTHPNE
Element Type: Symbol
Description: Pneumatic Thermostat



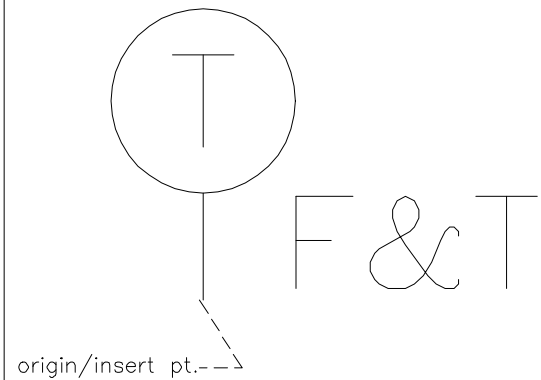
Mechanical MTHWON
Element Type: Symbol
Description: Thermometer Well



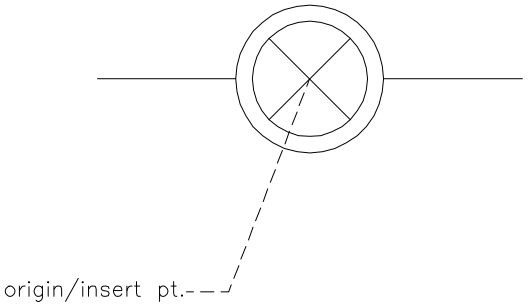
Mechanical MTHRM
Element Type: Symbol
Description: Thermometer



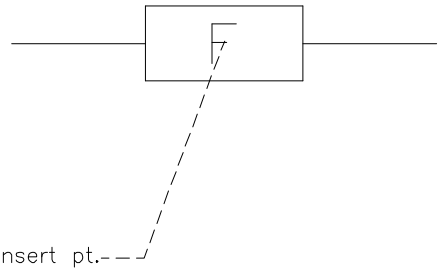
Mechanical MTRBRE
Element Type: Symbol
Description: Boiler Return Trap



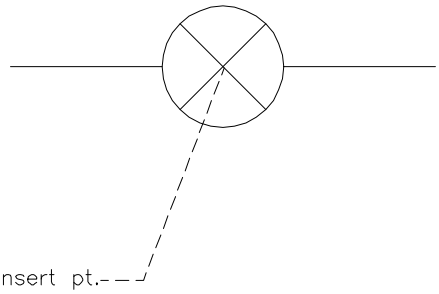
Mechanical MTHSCO
Element Type: Symbol
Description: Self-Contained Thermostat



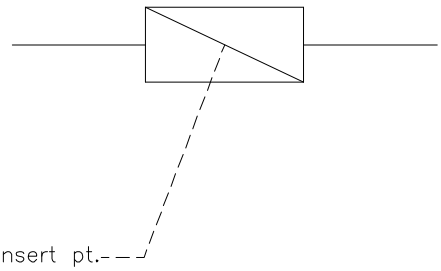
Mechanical MTRBTH
Element Type: Symbol
Description: Thermostatic Blast Trap



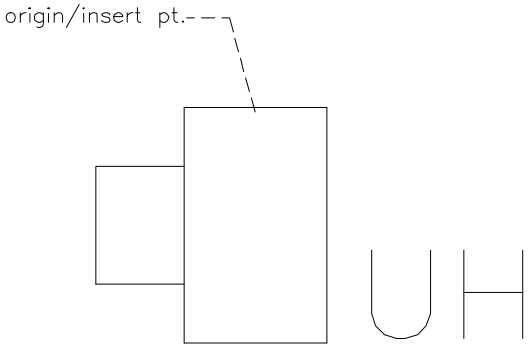
Mechanical MTRFLO
Element Type: Symbol
Description: Float Trap



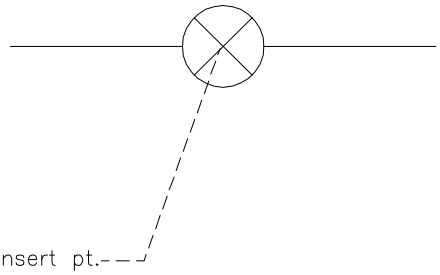
Mechanical MTRTHR
Element Type: Symbol
Description: Thermostatic Trap



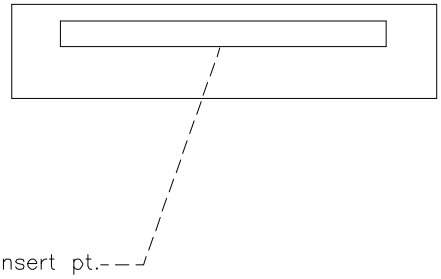
Mechanical MTRFTH
Element Type: Symbol
Description: Float and Thermostatic Trap



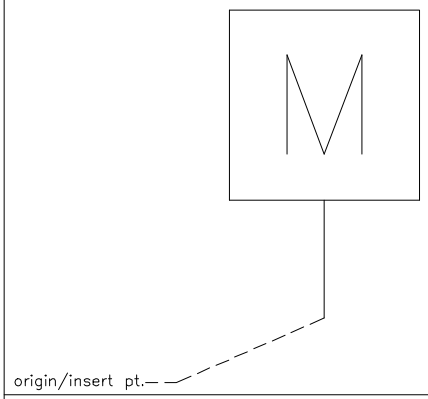
Mechanical MUHIND
Element Type: Symbol
Description: Unit Heater (Indicate Type)



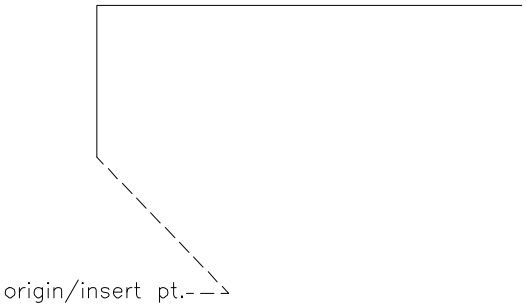
Mechanical MTRSIN
Element Type: Symbol
Description: Steam Trap (Indicate Type)



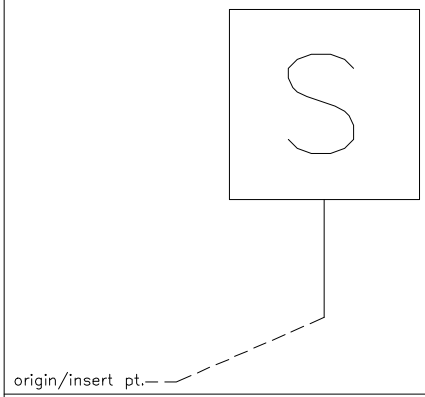
Mechanical MUVPLN
Element Type: Symbol
Description: Ventilator Unit, Plan



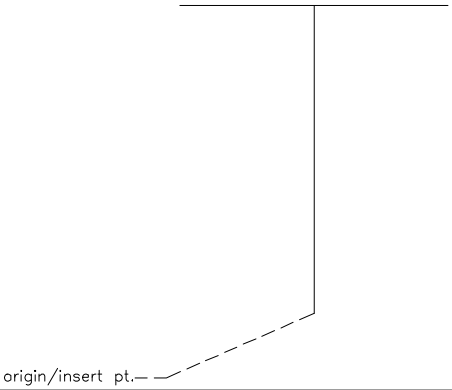
Mechanical MVMELM
Element Type: Symbol
Description: Valve Actuator Electric Motor



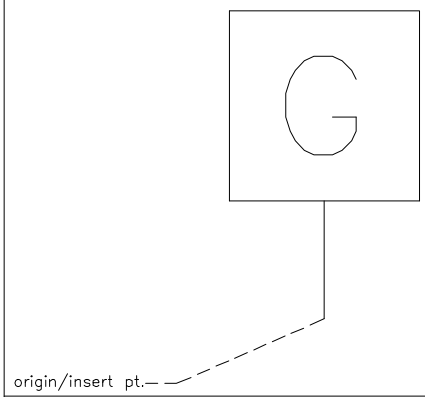
Mechanical MVMLEV
Element Type: Symbol
Description: Valve Actuator Manual Lever



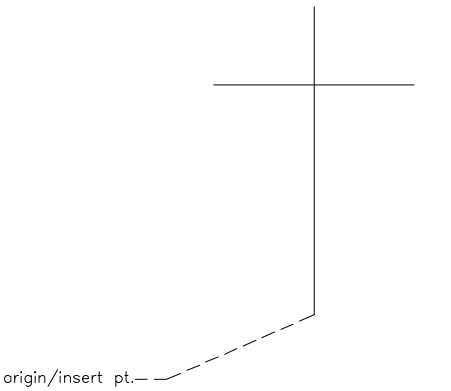
Mechanical MVMELS
Element Type: Symbol
Description: Valve Actuator Electric Solenoid



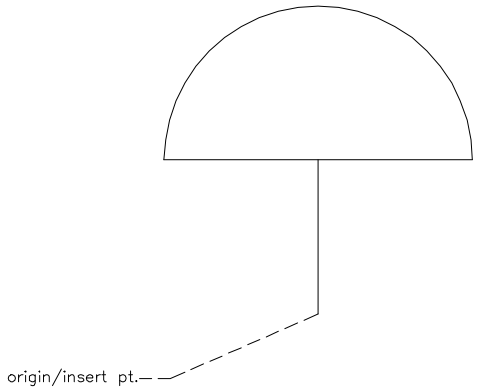
Mechanical MVMNRS
Element Type: Symbol
Description: Valve Actuator Manual Nonrising Stem



Mechanical MVMGER
Element Type: Symbol
Description: Valve Actuator Manual Gear

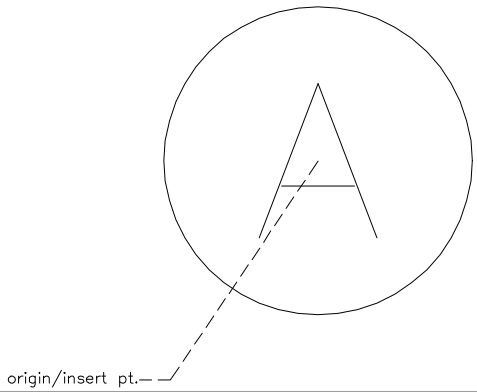


Mechanical MVMOSY
Element Type: Symbol
Description: Valve Actuator Manual Out Stem/Yoke



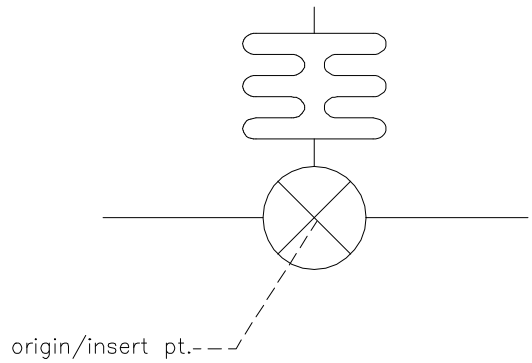
Mechanical MVMPDI
Element Type: Symbol
Description: Valve Actuator Pneumatic Motor Diaphragm

Mechanical
Element Type:
Description:



Mechanical MVMPMO
Element Type: Symbol
Description: Valve Actuator Pneumatic Motor

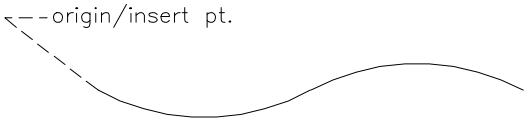
Mechanical
Element Type:
Description:



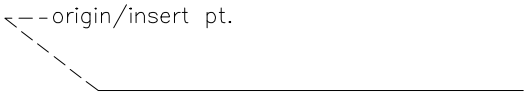
Mechanical MWATER
Element Type: Symbol
Description: Water Valve

Mechanical
Element Type:
Description:

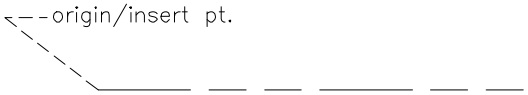
16 Electrical Lines Library



Electrical EFCOND
Element Type: Line
Description: Flexible Conduit

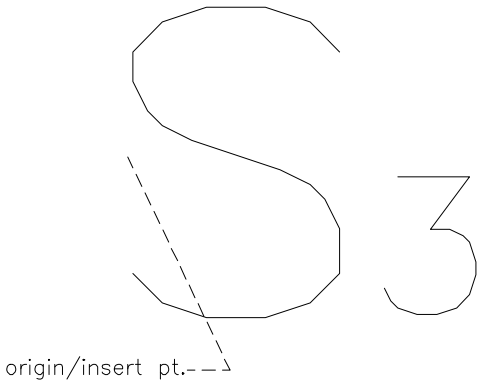


Electrical ERCOND
Element Type: Line
Description: Rigid Conduit

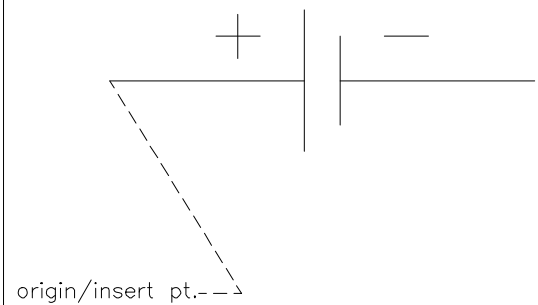


Electrical EUDBCA
Element Type: Line
Description: Underground Duct Line

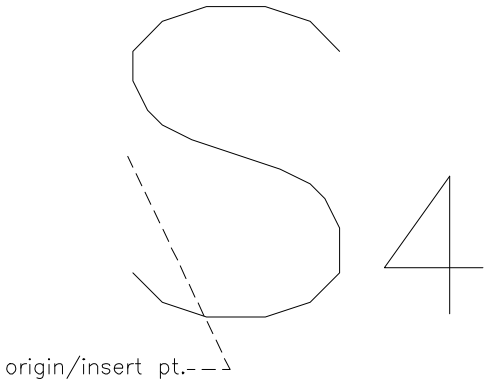
16 Electrical Symbols Library



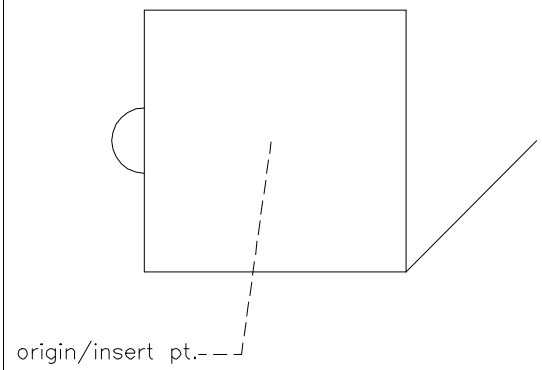
Electrical E3WSW
Element Type: Symbol
Description: Three Way Switch



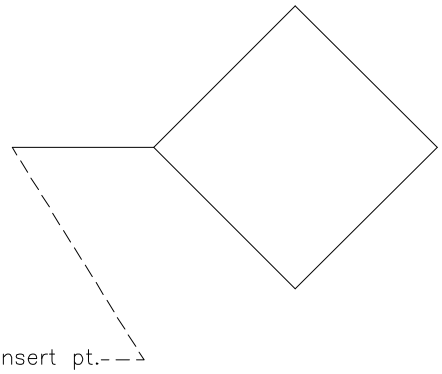
Electrical EBATRY
Element Type: Symbol
Description: Battery



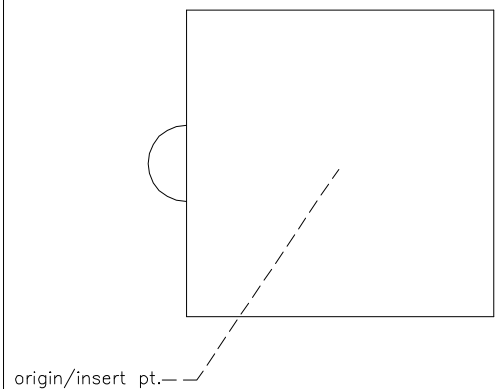
Electrical E4WSW
Element Type: Symbol
Description: Four Way Switch



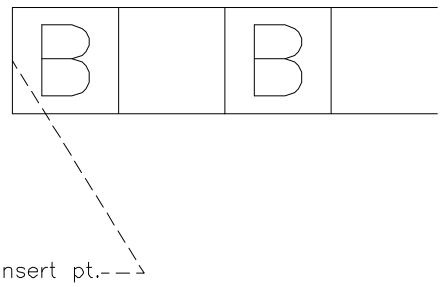
Electrical EBBCOM
Element Type: Symbol
Description: Combination Bell Buzzer



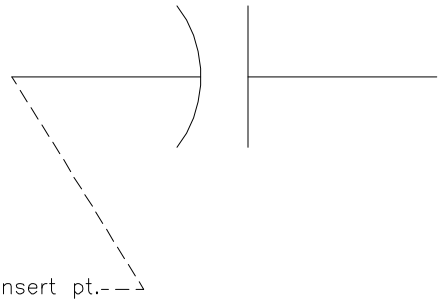
Electrical EANNUN
Element Type: Symbol
Description: Annunciator



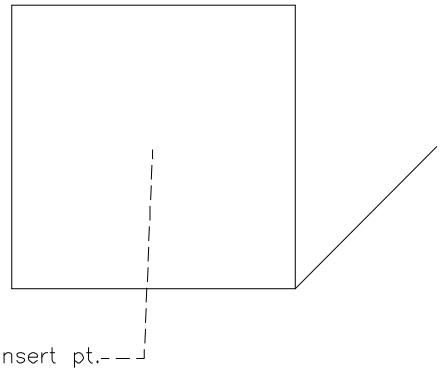
Electrical EBELL
Element Type: Symbol
Description: Bell



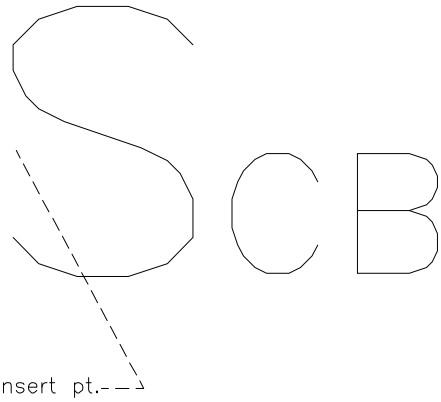
Electrical EBUSWY
Element Type: Symbol
Description: Busway



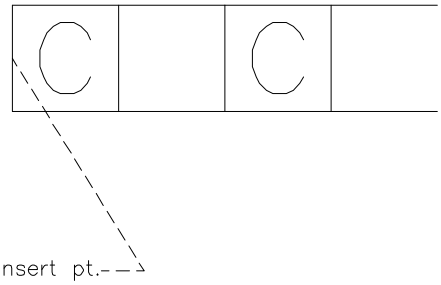
Electrical ECAP
Element Type: Symbol
Description: Capacitator



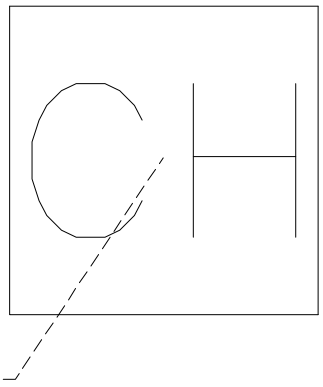
Electrical EBUZZ
Element Type: Symbol
Description: Buzzer



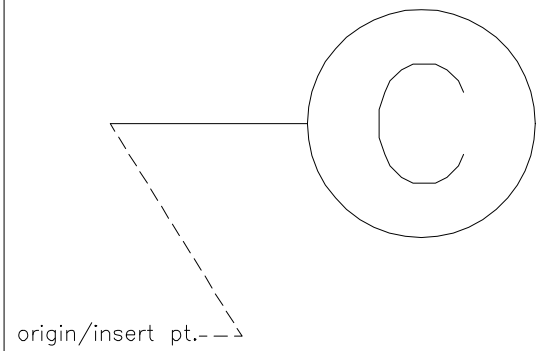
Electrical ECBRSW
Element Type: Symbol
Description: Circuit Breaker



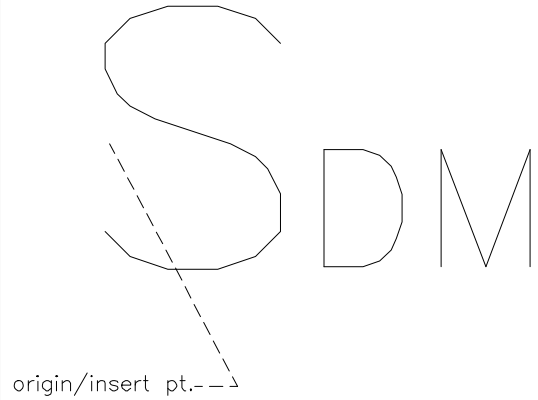
Electrical ECABLE
Element Type: Symbol
Description: Cable Ladder



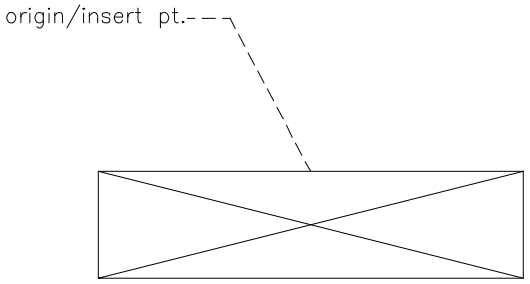
Electrical ECHIME
Element Type: Symbol
Description: Chime



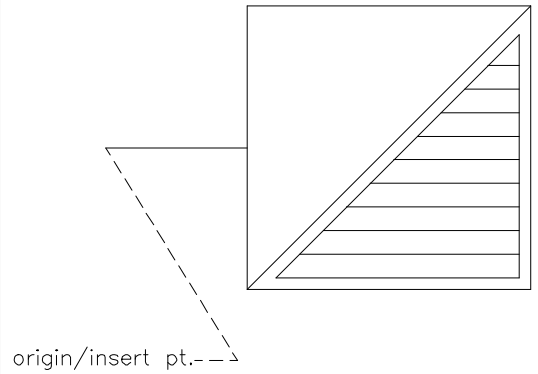
Electrical ECLREC
Element Type: Symbol
Description: Clock Hanger Receptacle



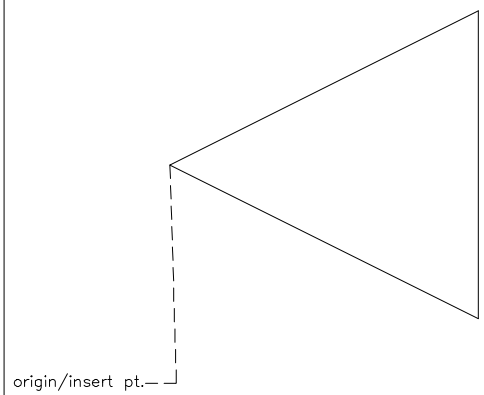
Electrical EDIMMS
Element Type: Symbol
Description: Dimmer



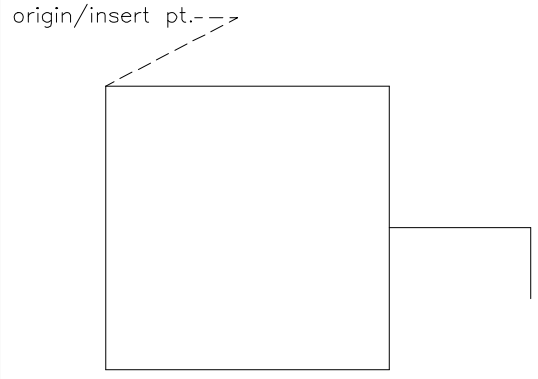
Electrical ECONTR
Element Type: Symbol
Description: Motor Controller



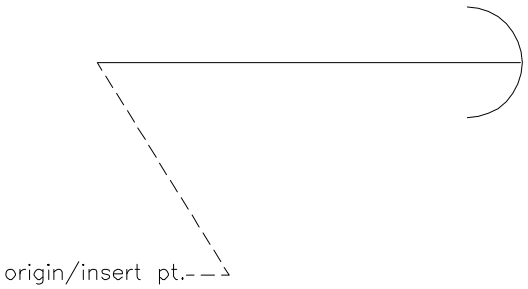
Electrical EDIMSW
Element Type: Symbol
Description: Dimmer Switch



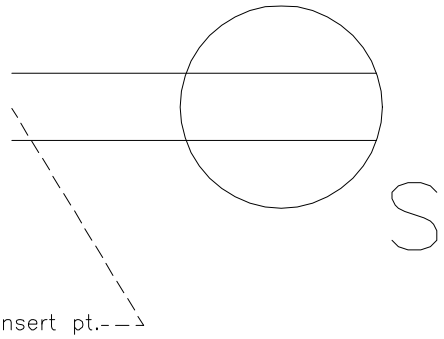
Electrical EDCOUT
Element Type: Symbol
Description: Data Communication Receptacle Outlet



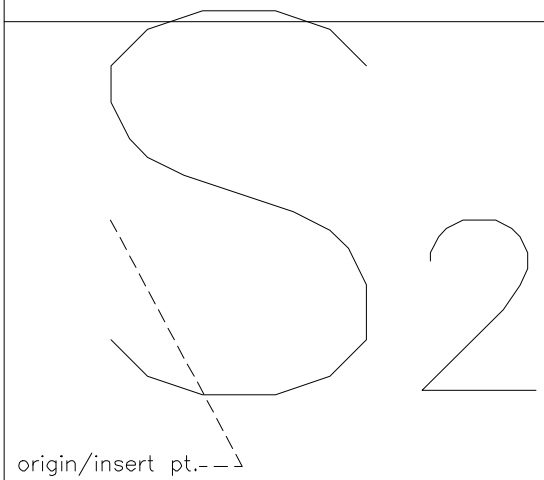
Electrical EDISSW
Element Type: Symbol
Description: Disconnect Switch



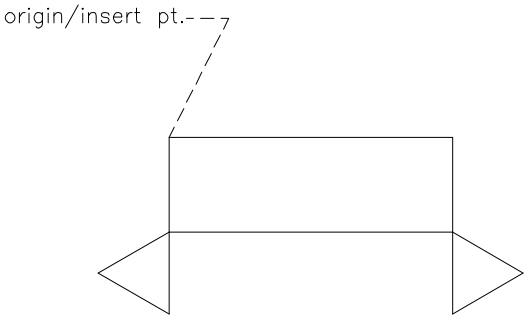
Electrical EDNGUY
Element Type: Symbol
Description: Down Guy



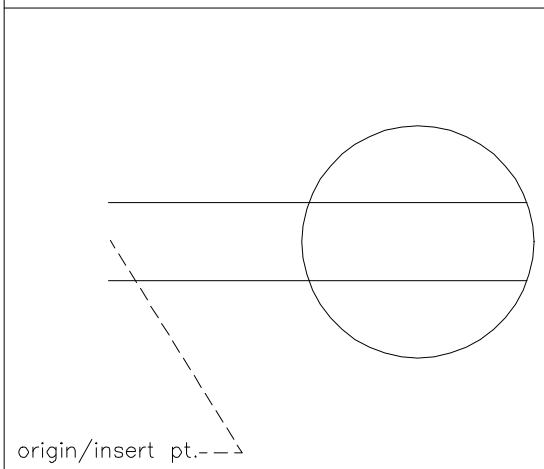
Electrical EDRSW
Element Type: Symbol
Description: Switched Duplex Receptacle



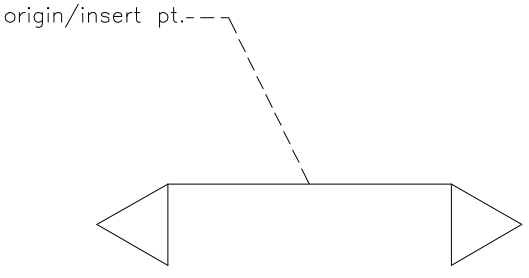
Electrical EDPLSW
Element Type: Symbol
Description: Double Pole Switch



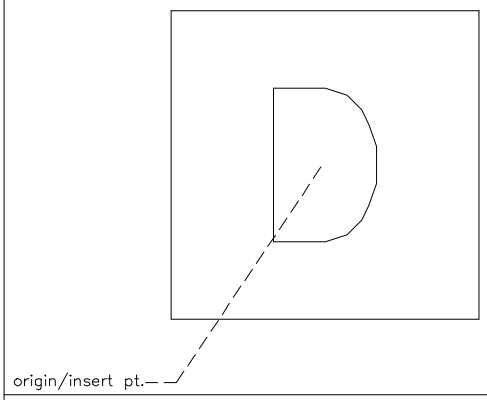
Electrical EEBPLF
Element Type: Symbol
Description: Emergency Battery Power Light Fixture



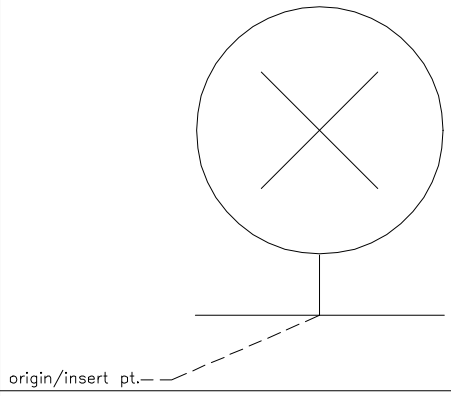
Electrical EDRECP
Element Type: Symbol
Description: Duplex Receptacle



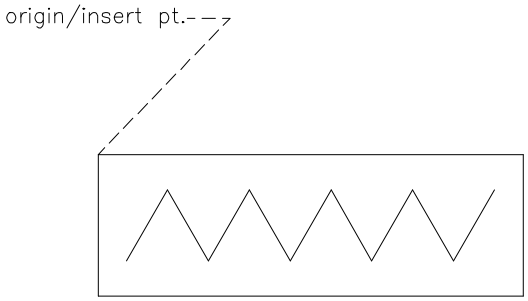
Electrical EEBPLR
Element Type: Symbol
Description: Emergency Battery Power Light Recessed



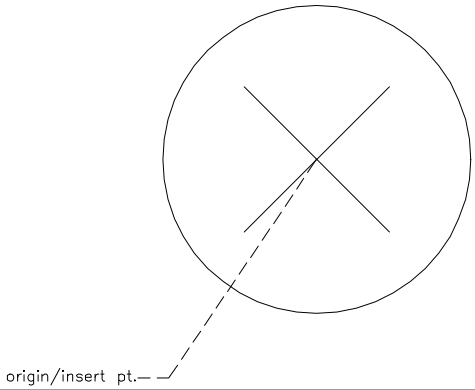
Electrical EEDOPE
Element Type: Symbol
Description: Electric Door Opener



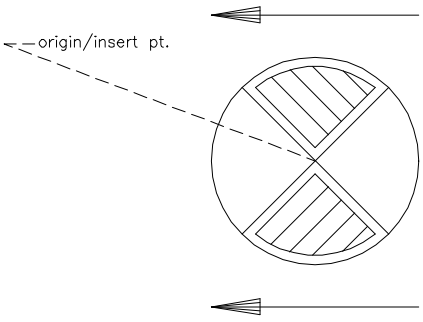
Electrical EEXSI1
Element Type: Symbol
Description: Wall Mounted Exit Sign Light



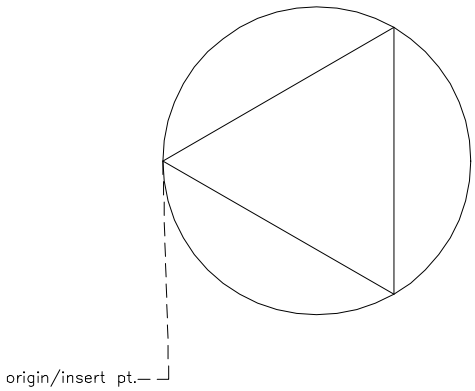
Electrical EERHEA
Element Type: Symbol
Description: Electric Resistance Heater



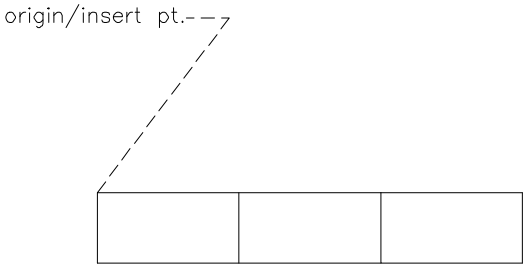
Electrical EEXSI2
Element Type: Symbol
Description: Ceiling Mounted Exit Sign Light



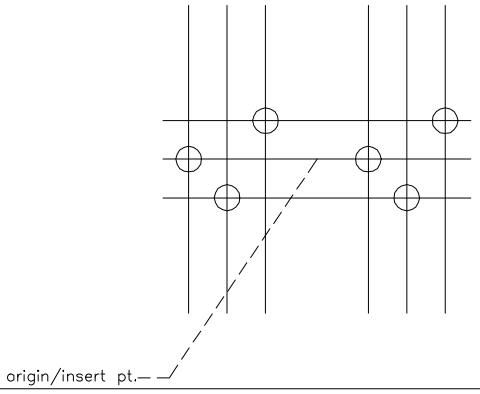
Electrical EEXDIR
Element Type: Symbol
Description: Exit Light Outlet Box



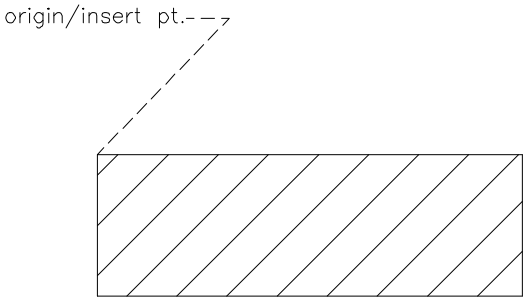
Electrical EFDOUT
Element Type: Symbol
Description: Data Communication Floor Receptacle Outlet



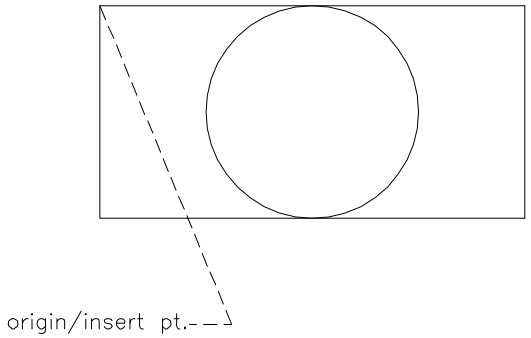
Electrical EFLCON
Element Type: Symbol
Description: Continuous Fluorescent Lighting Fixture



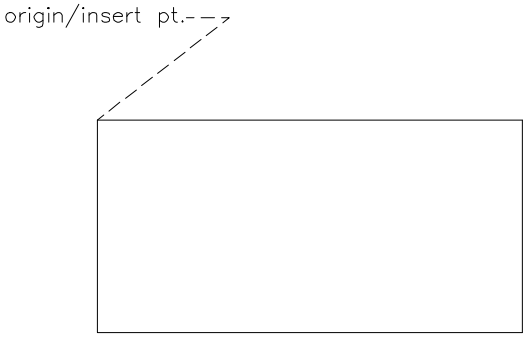
Electrical EFLHDR
Element Type: Symbol
Description: Duct Cell Floor Header



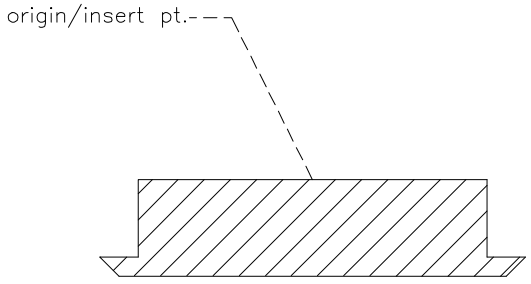
Electrical EFLFEM
Element Type: Symbol
Description: Fluorescent Emergency Light Fixture



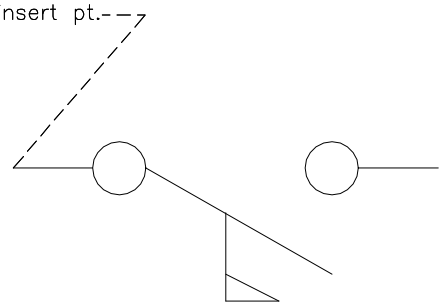
Electrical EFLSMO
Element Type: Symbol
Description: Surface Mtd. Fluorescent Light Fixture



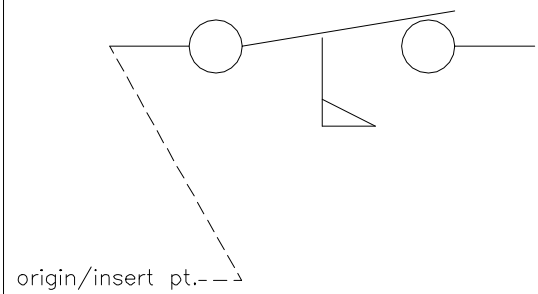
Electrical EFLFIX
Element Type: Symbol
Description: Individual Fluorescent Light Fixture



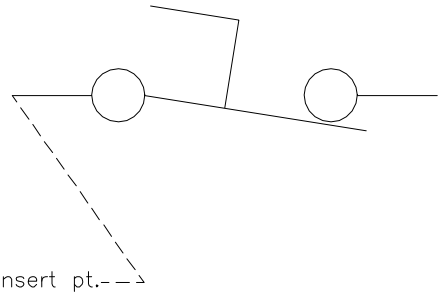
Electrical EFMPAN
Element Type: Symbol
Description: Flush Mounted Panelboard Cabinet



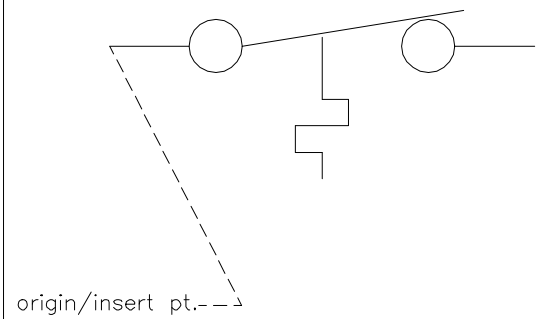
Electrical EFSWCI
Element Type: Symbol
Description: Normally Open Flow Switch



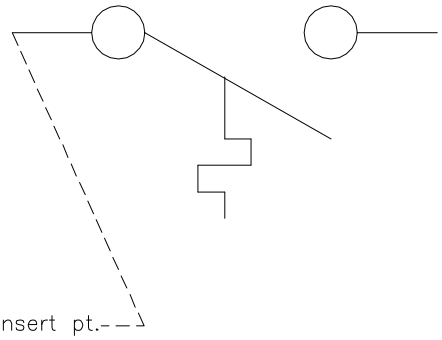
Electrical EFSWOI
Element Type: Symbol
Description: Normally Closed Flow Switch



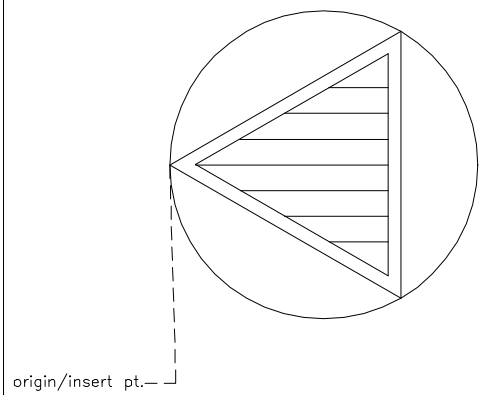
Electrical EFSWCP
Element Type: Symbol
Description: Normally Closed Foot-Operated Switch



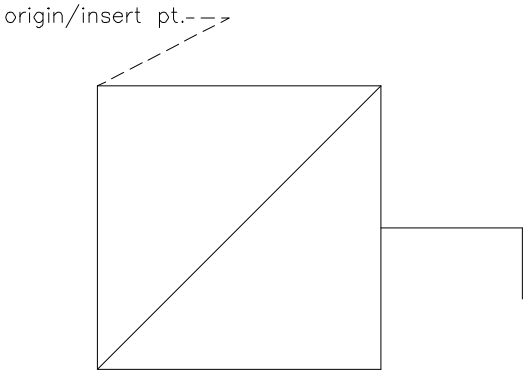
Electrical EFSWOR
Element Type: Symbol
Description: Normally Closed Temp Activated Switch



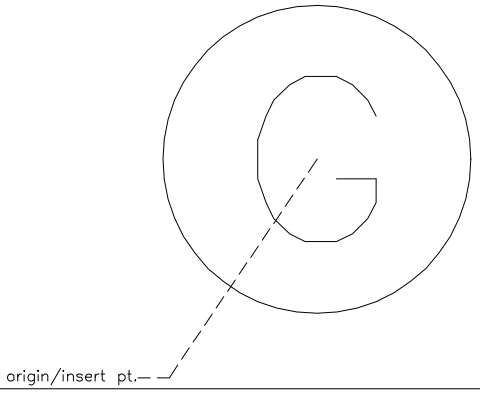
Electrical EFSWCR
Element Type: Symbol
Description: Normally Open Temp Activated Switch



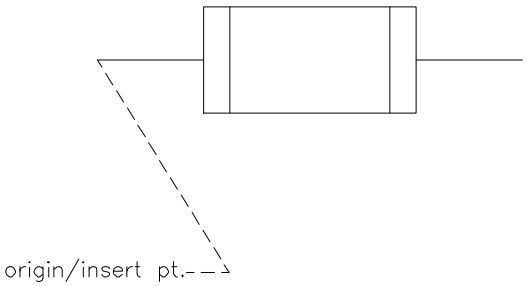
Electrical EFTOUT
Element Type: Symbol
Description: Telephone Floor Receptacle Outlet



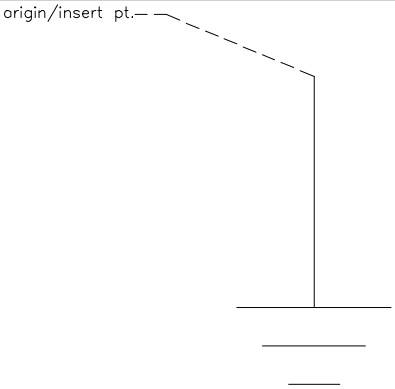
Electrical EFUDIS
Element Type: Symbol
Description: Fused Disconnect



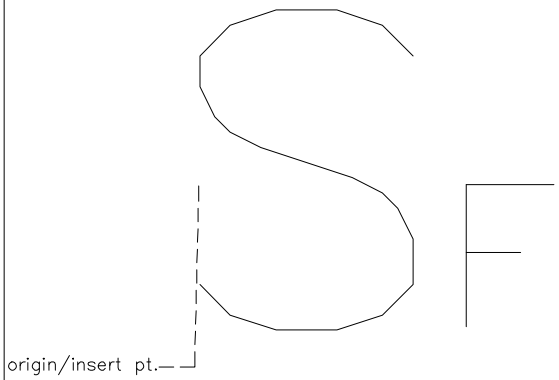
Electrical EGENER
Element Type: Symbol
Description: Generator



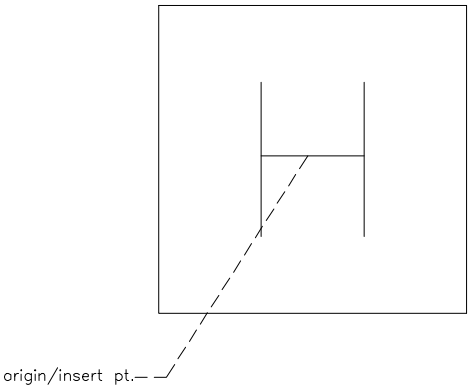
Electrical EFUSE
Element Type: Symbol
Description: Fuse with Rating



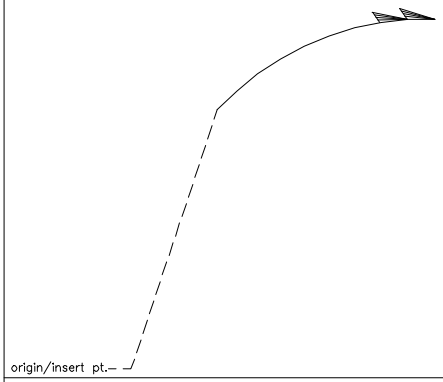
Electrical EGRND
Element Type: Symbol
Description: Earth Ground



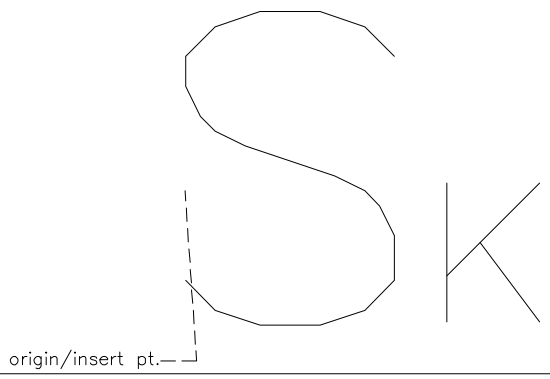
Electrical EFUSSW
Element Type: Symbol
Description: Fused Switch



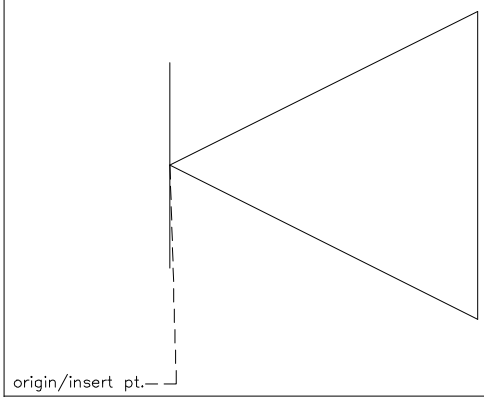
Electrical EHANDH
Element Type: Symbol
Description: Handhole



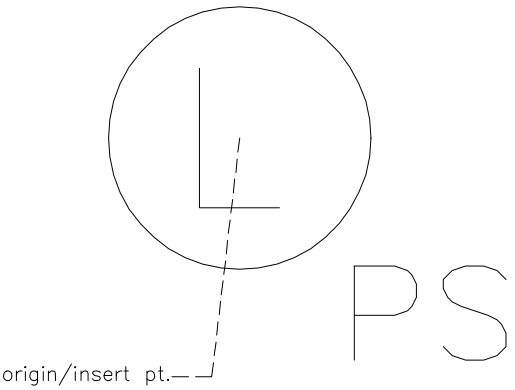
Electrical EHOME
Element Type: Symbol
Description: Home Run to Panelboard



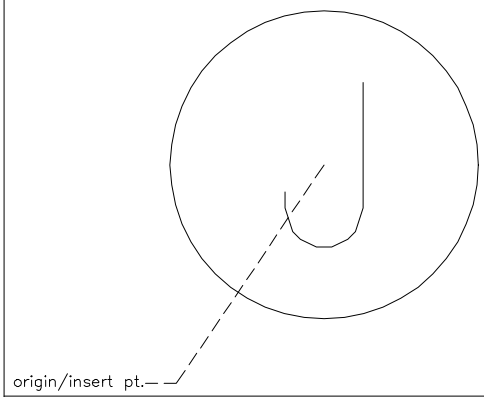
Electrical EKEYSW
Element Type: Symbol
Description: Key-Operated Switch



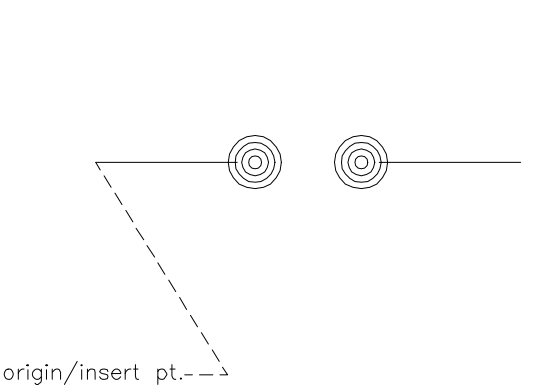
Electrical EINTEL
Element Type: Symbol
Description: Interconnecting Telephone



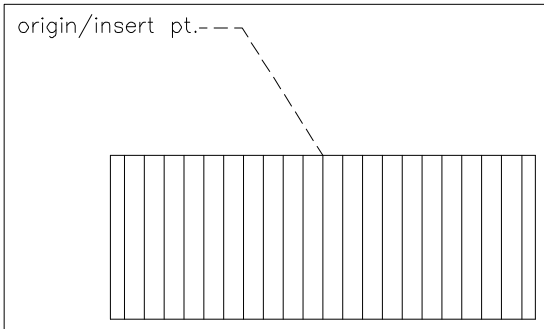
Electrical ELHPSW
Element Type: Symbol
Description: Lamp Holder Pole Switch



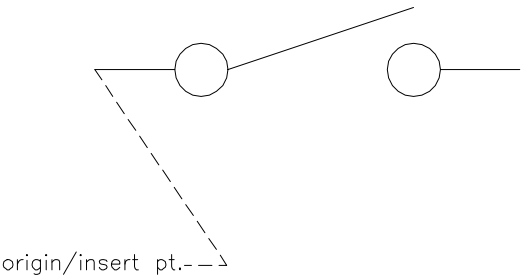
Electrical EJUNBX
Element Type: Symbol
Description: Junction Box



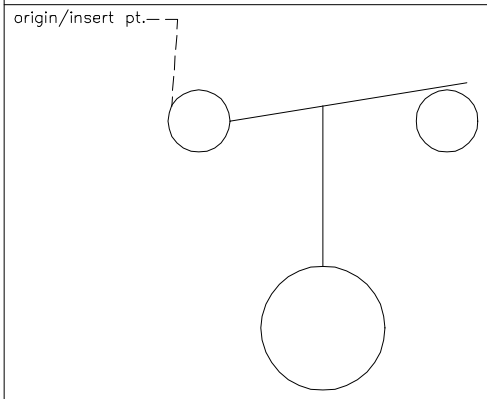
Electrical ELIGAR
Element Type: Symbol
Description: Lightning Arrestor



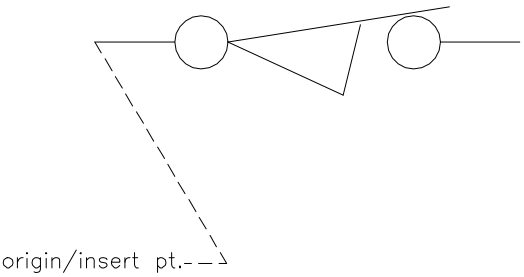
Electrical ELITPA
Element Type: Symbol
Description: Lighting Panel



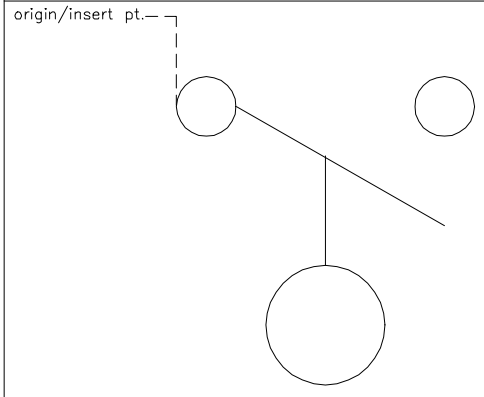
Electrical ELSWIT
Element Type: Symbol
Description: Single Break Switch



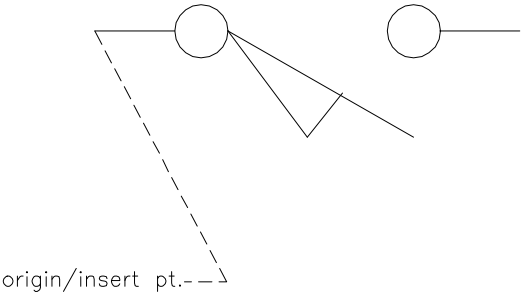
Electrical ELLDSC
Element Type: Symbol
Description: Normally Closed Float Switch



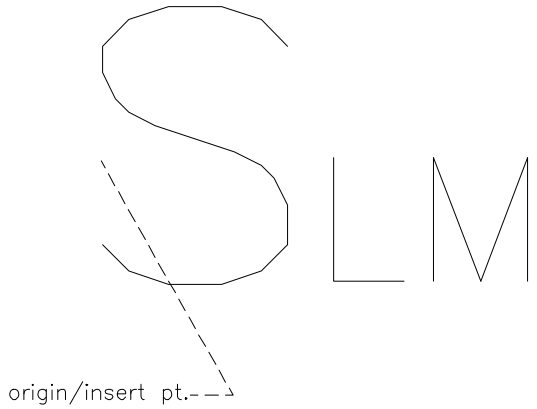
Electrical ELSWNC
Element Type: Symbol
Description: Normally Closed Limit Switch



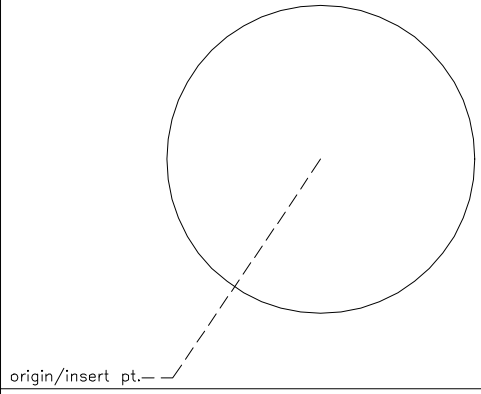
Electrical ELLDSO
Element Type: Symbol
Description: Normally Open Float Switch



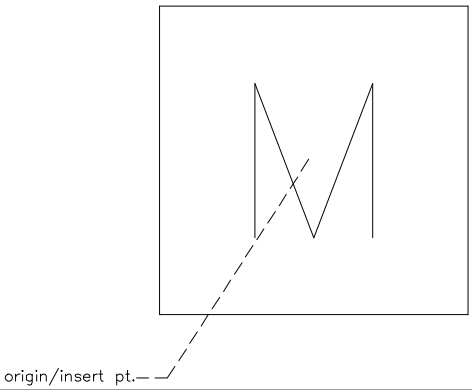
Electrical ELSWNO
Element Type: Symbol
Description: Normally Open Limit Switch



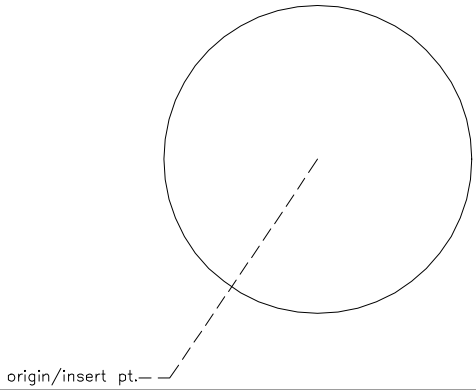
Electrical ELVSMW
Element Type: Symbol
Description: Low Voltage Master Switch



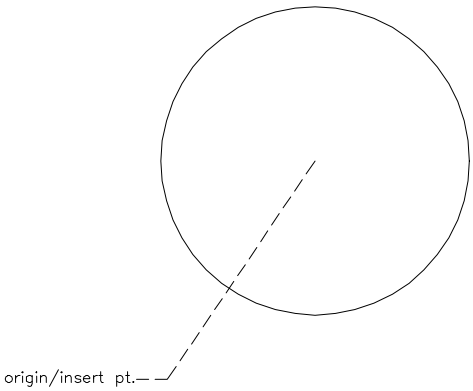
Electrical EMETE2
Element Type: Symbol
Description: Meter 2



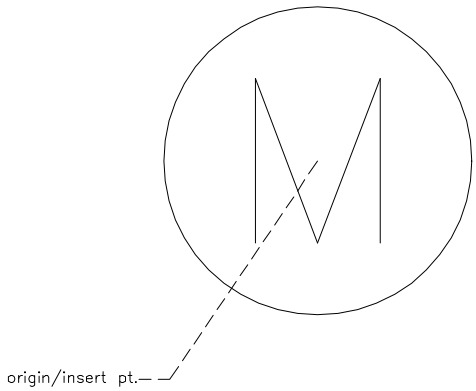
Electrical EMANHL
Element Type: Symbol
Description: Manhole



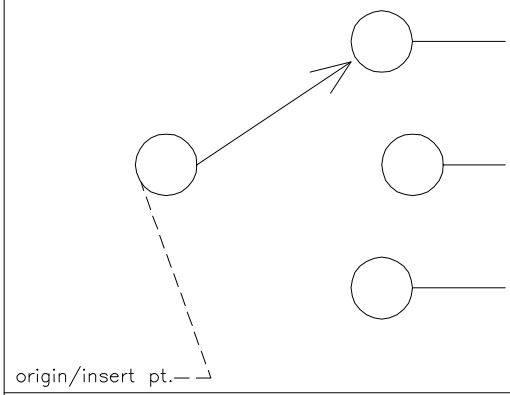
Electrical EMETE3
Element Type: Symbol
Description: Meter 3



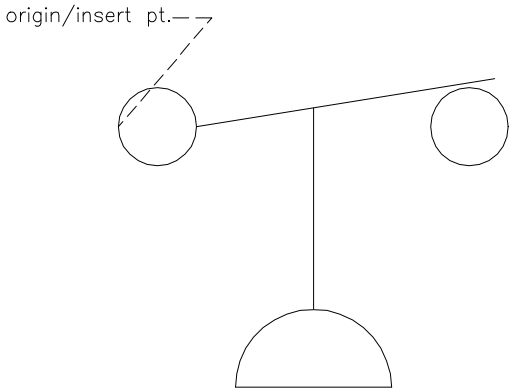
Electrical EMETE1
Element Type: Symbol
Description: Meter 1



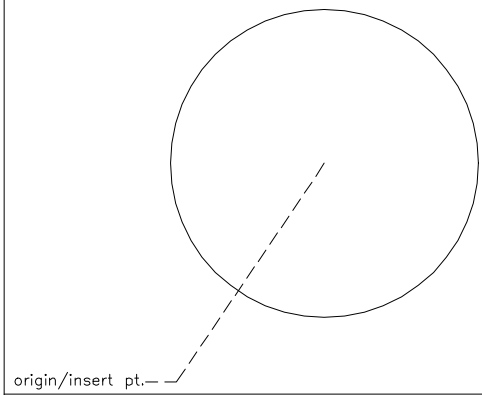
Electrical EMOTOR
Element Type: Symbol
Description: Motor



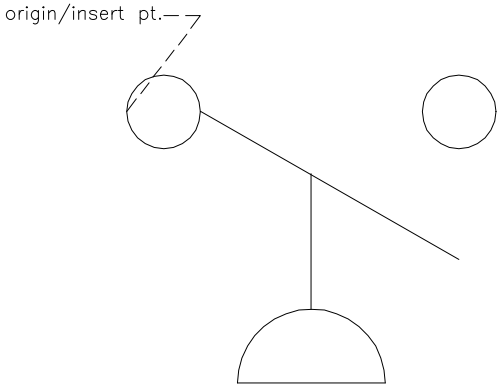
Electrical EMPSW
Element Type: Symbol
Description: Multiposition Switch



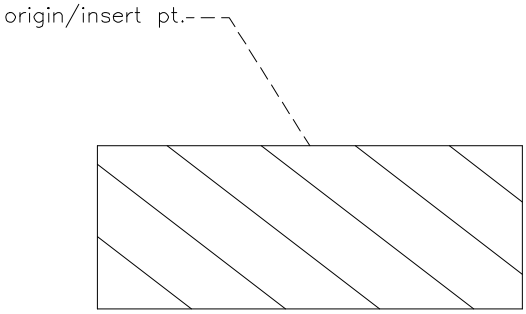
Electrical EPRSWC
Element Type: Symbol
Description: Pressure Switch-Open on Increase



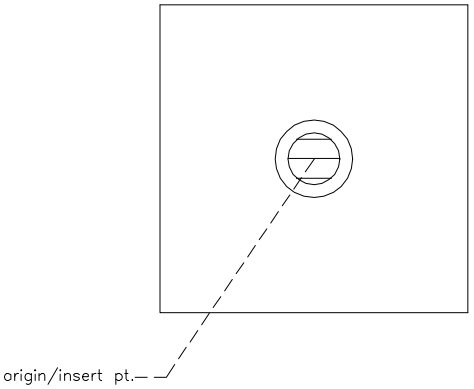
Electrical EPOLE
Element Type: Symbol
Description: Pole



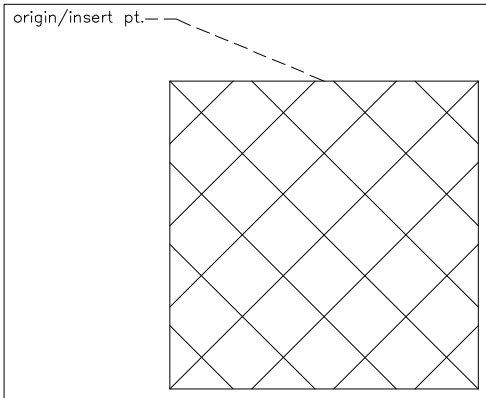
Electrical EPRSWO
Element Type: Symbol
Description: Pressure Switch-Close on Increase



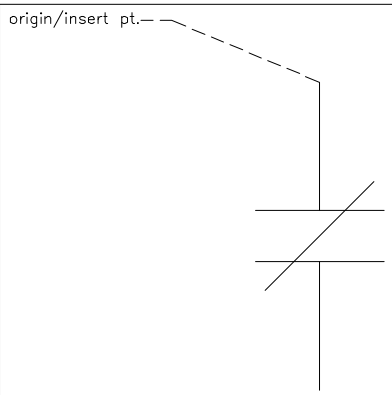
Electrical EPOWPA
Element Type: Symbol
Description: Distribution Panel



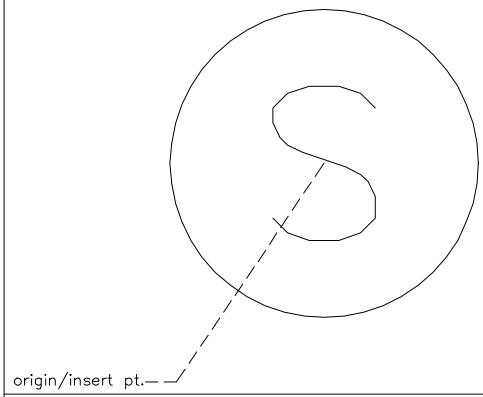
Electrical EPUBUT
Element Type: Symbol
Description: Push Button



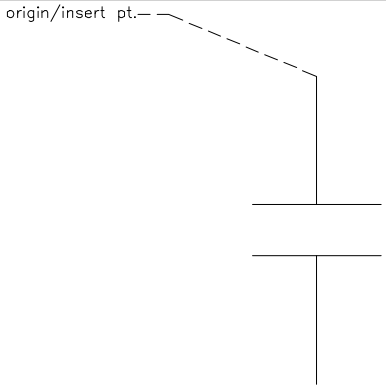
Electrical EPULLB
Element Type: Symbol
Description: Pullbox



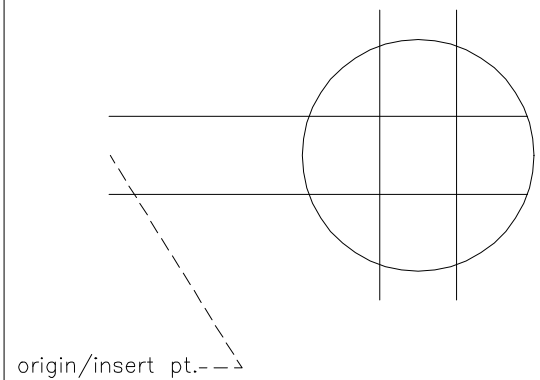
Electrical ERELNC
Element Type: Symbol
Description: Normally Closed Relay Contact



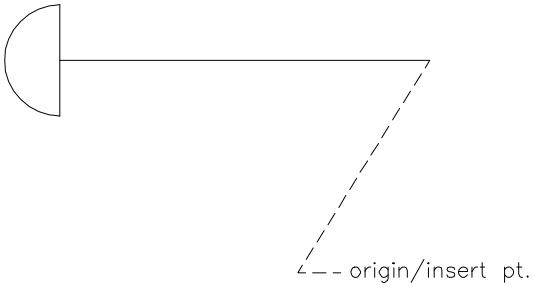
Electrical EPULSW
Element Type: Symbol
Description: Ceiling Mounted Pull Switch



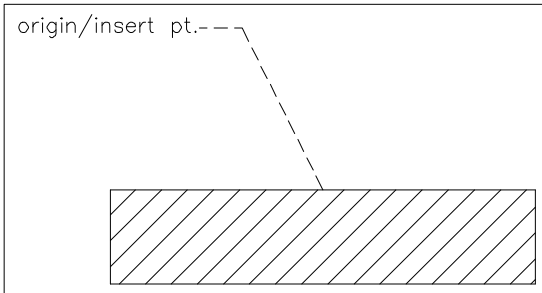
Electrical ERELNO
Element Type: Symbol
Description: Normally Open Relay Contact



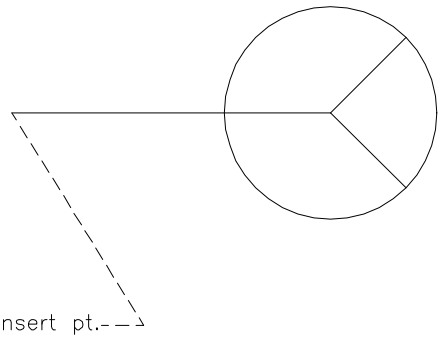
Electrical EQRECP
Element Type: Symbol
Description: Quadraplex Receptacle



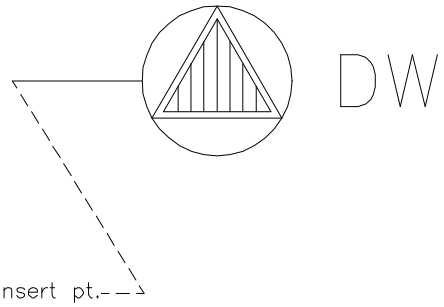
Electrical ESERWE
Element Type: Symbol
Description: Aerial Service Weather Head



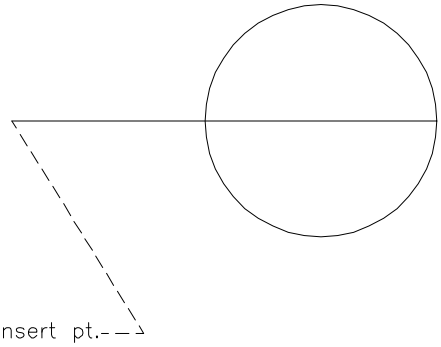
Electrical ESMPAN
Element Type: Symbol
Description: Surface Mounted Panelboard Cabinet



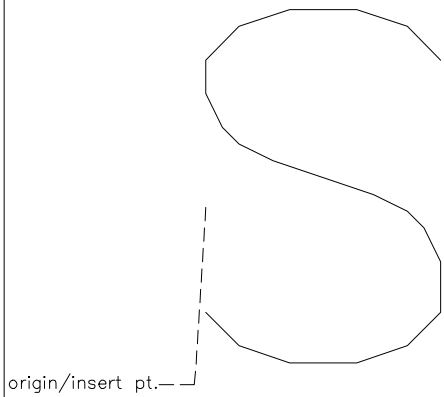
Electrical ESPREC
Element Type: Symbol
Description: Special Purpose Receptacle



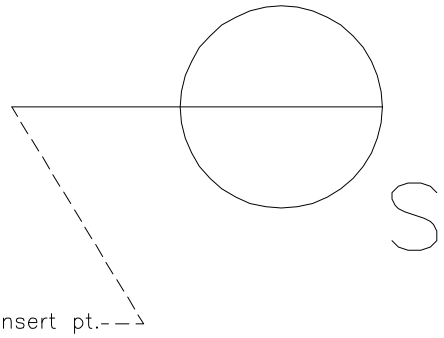
Electrical ESPCON
Element Type: Symbol
Description: Special Purpose Connection



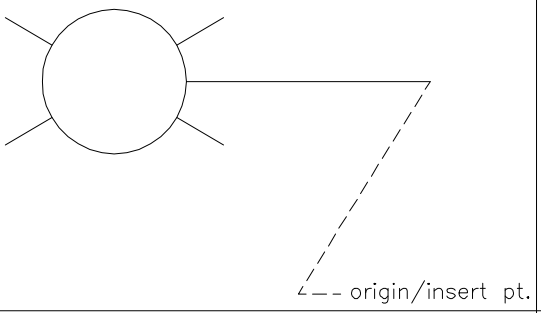
Electrical ESRECP
Element Type: Symbol
Description: Single Receptacle



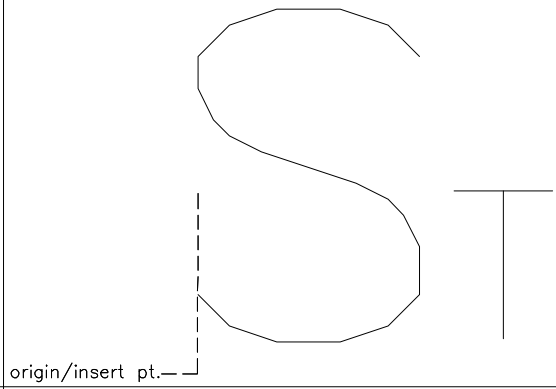
Electrical ESPLSW
Element Type: Symbol
Description: Single Pole Switch



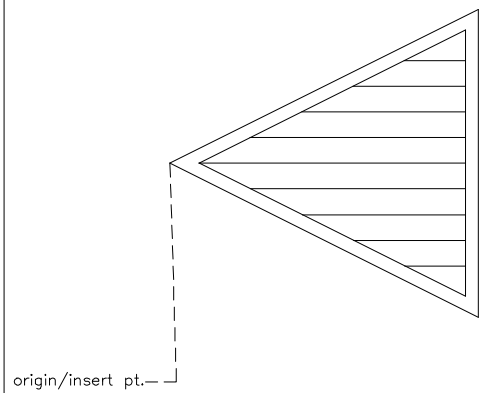
Electrical ESRSW
Element Type: Symbol
Description: Single Receptacle with Switch



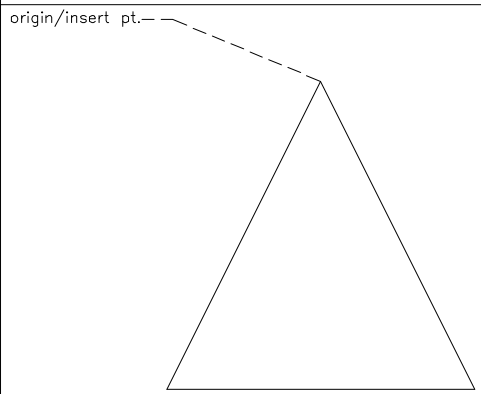
Electrical ESTLIT
Element Type: Symbol
Description: Street Light with Bracket



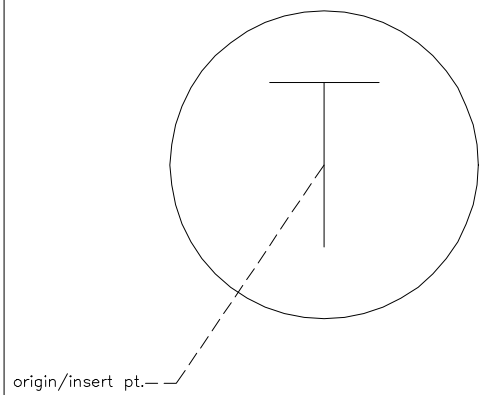
Electrical ETIMSW
Element Type: Symbol
Description: Timer Operated Switch



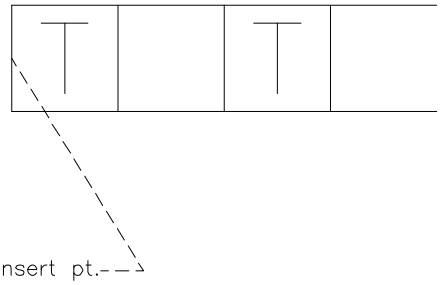
Electrical ETEOUT
Element Type: Symbol
Description: Telephone Receptacle Outlet



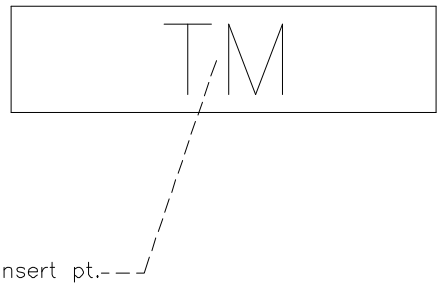
Electrical ETRANS
Element Type: Symbol
Description: Transformer



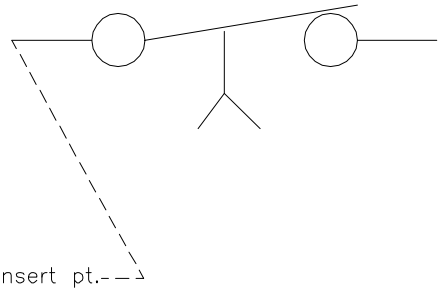
Electrical ETHERM
Element Type: Symbol
Description: Thermostat



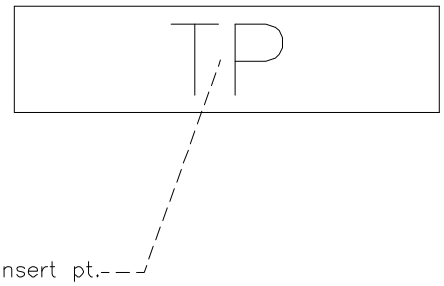
Electrical ETRDCT
Element Type: Symbol
Description: Trolley Duct



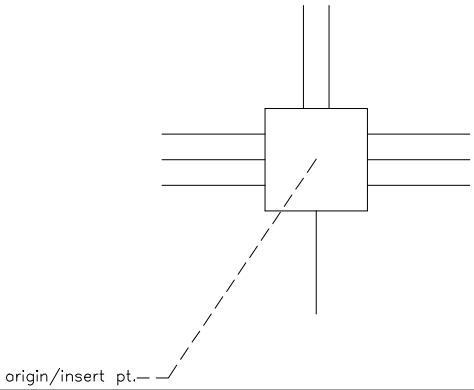
Electrical ETRMAN
Element Type: Symbol
Description: Transformer Manhole Vault



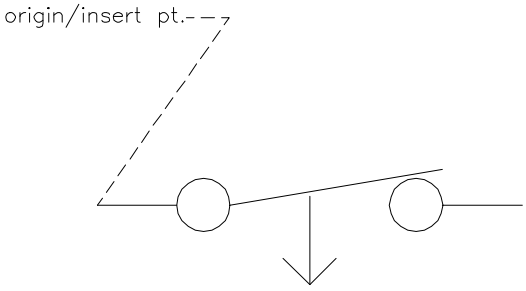
Electrical ETSWNO
Element Type: Symbol
Description: Normally Open Time Delay Switch



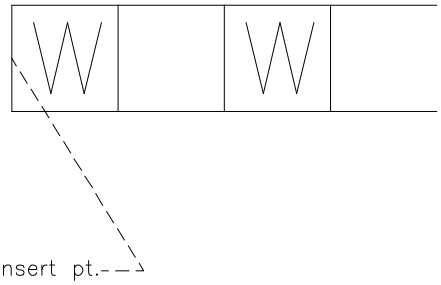
Electrical ETRPAD
Element Type: Symbol
Description: Transformer Pad



Electrical EUNDER
Element Type: Symbol
Description: Underfloor Duct Junction Box

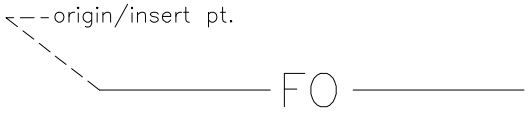


Electrical ETSWNC
Element Type: Symbol
Description: Normally Closed Time Delay Switch

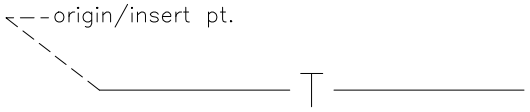


Electrical EWIRWY
Element Type: Symbol
Description: Wireway

17 Telecommunications Lines Library



Telecommunications COFOPT
Element Type: Line
Description: Fiber Optics Line



Telecommunications COTELE
Element Type: Line
Description: Telephone Line

Telecommunications
Element Type:
Description:

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Element Type:
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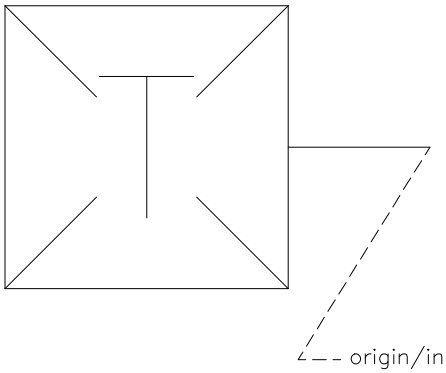
Element Type:
Description:

17 Telecommunications Symbols Library



Communications ***Element Type:*** Symbol ***Description:*** Telephone Booth	***Communications*** ***Element Type:*** ***Description:***
Communications ***Element Type:*** ***Description:***	***Communications*** ***Element Type:*** ***Description:***
Communications ***Element Type:*** ***Description:***	***Communications*** ***Element Type:*** ***Description:***

Appendix F
Color Comparison and Associated Line Widths

Appendix F

Color Comparison and Associated Line Widths

AutoCAD Color #	MicroStation Color #	Weight	Line Width	Color Percentages		
				Red	Green	Blue
1	3	wt = 1	0.25 mm	255	0	0
2	4	wt = 2	0.35 mm	255	255	0
3	2	wt = 1	0.25 mm	0	255	0
4	7	wt = 3	0.50 mm	0	255	255
5	1	wt = 0	0.10 mm	0	0	255
6	5	wt = 2	0.35 mm	255	0	255
7	0	wt = 5	0.70 mm	255	255	255
8	8	wt = 0	0.10 mm	128	128	128
9	9	wt = 7	1.00 mm	255	255	255
10	10	wt = 1	0.25 mm	255	0	0
11	11	wt = 2	0.35 mm	255	127	127
12	12	wt = 3	0.50 mm	165	0	0
13	13	wt = 5	0.70 mm	165	82	82
14	14	wt = 7	1.00 mm	127	0	0
15	15	wt = 3	0.50 mm	127	63	63
16	16	wt = 5	0.70 mm	76	0	0
17	17	wt = 5	0.70 mm	76	38	38
18	18	wt = 2	0.35 mm	38	0	0
19	19	wt = 7	1.00 mm	38	19	19
20	20	wt = 1	0.25 mm	255	63	0
21	21	wt = 2	0.35 mm	255	159	127
22	22	wt = 3	0.50 mm	165	41	0
23	23	wt = 5	0.70 mm	165	103	82
24	24	wt = 7	1.00 mm	127	31	0
25	25	wt = 3	0.50 mm	127	79	63
26	26	wt = 5	0.70 mm	76	19	0
27	27	wt = 5	0.70 mm	76	47	38
28	28	wt = 2	0.35 mm	38	9	0
29	29	wt = 7	1.00 mm	38	23	19
30	30	wt = 1	0.25 mm	255	127	0
31	31	wt = 2	0.35 mm	255	191	127
32	32	wt = 3	0.50 mm	165	82	0
33	33	wt = 5	0.70 mm	165	124	82
34	34	wt = 7	1.00 mm	127	63	0
35	35	wt = 3	0.50 mm	127	95	63
36	36	wt = 5	0.70 mm	76	38	0
37	37	wt = 5	0.70 mm	76	57	38
38	38	wt = 2	0.35 mm	38	19	0
39	39	wt = 7	1.00 mm	38	28	19
40	40	wt = 1	0.25 mm	255	191	0
41	41	wt = 2	0.35 mm	255	223	127
42	42	wt = 3	0.50 mm	165	124	0
43	43	wt = 5	0.70 mm	165	145	82

AutoCAD Color #	MicroStation Color #	Weight	Line Width	Color Percentages		
				Red	Green	Blue
44	44	wt = 7	1.00 mm	127	95	0
45	45	wt = 3	0.50 mm	127	111	63
46	46	wt = 5	0.70 mm	76	57	0
47	47	wt = 5	0.70 mm	76	66	38
48	48	wt = 2	0.35 mm	38	28	0
49	49	wt = 7	1.00 mm	38	33	19
50	50	wt = 1	0.25 mm	255	255	0
51	51	wt = 2	0.35 mm	255	255	127
52	52	wt = 3	0.50 mm	165	165	0
53	53	wt = 5	0.70 mm	165	165	82
54	54	wt = 7	1.00 mm	127	127	0
55	55	wt = 3	0.50 mm	127	127	63
56	56	wt = 5	0.70 mm	76	76	0
57	57	wt = 5	0.70 mm	76	76	38
58	58	wt = 2	0.35 mm	38	38	0
59	59	wt = 7	1.00 mm	38	38	19
60	60	wt = 1	0.25 mm	191	255	0
61	61	wt = 2	0.35 mm	223	255	127
62	62	wt = 3	0.50 mm	124	165	0
63	63	wt = 5	0.70 mm	145	165	82
64	64	wt = 7	1.00 mm	95	127	0
65	65	wt = 3	0.50 mm	111	127	63
66	66	wt = 5	0.70 mm	57	76	0
67	67	wt = 5	0.70 mm	66	76	38
68	68	wt = 2	0.35 mm	28	38	0
69	69	wt = 7	1.00 mm	33	38	19
70	70	wt = 1	0.25 mm	127	255	0
71	71	wt = 2	0.35 mm	191	255	127
72	72	wt = 3	0.50 mm	82	165	0
73	73	wt = 5	0.70 mm	124	165	82
74	74	wt = 7	1.00 mm	63	127	0
75	75	wt = 3	0.50 mm	95	127	63
76	76	wt = 5	0.70 mm	38	76	0
77	77	wt = 5	0.70 mm	57	76	38
78	78	wt = 2	0.35 mm	19	38	0
79	79	wt = 7	1.00 mm	28	38	19
80	80	wt = 1	0.25 mm	63	255	0
81	81	wt = 2	0.35 mm	159	255	127
82	82	wt = 3	0.50 mm	41	165	0
83	83	wt = 5	0.70 mm	103	165	82
84	84	wt = 7	1.00 mm	31	127	0
85	85	wt = 3	0.50 mm	79	127	63
86	86	wt = 5	0.70 mm	19	76	0
87	87	wt = 5	0.70 mm	47	76	38
88	88	wt = 2	0.35 mm	9	38	0
89	89	wt = 7	1.00 mm	23	38	19
90	90	wt = 1	0.25 mm	0	255	0

AutoCAD Color #	MicroStation Color #	Weight	Line Width	Color Percentages		
				Red	Green	Blue
91	91	wt = 2	0.35 mm	127	255	127
92	92	wt = 3	0.50 mm	0	165	0
93	93	wt = 5	0.70 mm	82	165	82
94	94	wt = 7	1.00 mm	0	0	127
95	95	wt = 3	0.50 mm	63	127	63
96	96	wt = 5	0.70 mm	0	76	0
97	97	wt = 5	0.70 mm	38	76	38
98	98	wt = 2	0.35 mm	0	38	0
99	99	wt = 7	1.00 mm	19	38	19
100	100	wt = 1	0.25 mm	0	255	63
101	101	wt = 2	0.35 mm	127	255	159
102	102	wt = 3	0.50 mm	0	165	41
103	103	wt = 5	0.70 mm	82	165	103
104	104	wt = 7	1.00 mm	0	127	31
105	105	wt = 3	0.50 mm	63	127	79
106	106	wt = 5	0.70 mm	0	76	19
107	107	wt = 5	0.70 mm	38	76	47
108	108	wt = 2	0.35 mm	0	38	9
109	109	wt = 7	1.00 mm	19	38	23
110	110	wt = 1	0.25 mm	0	255	127
111	111	wt = 2	0.35 mm	127	255	191
112	112	wt = 3	0.50 mm	0	165	82
113	113	wt = 5	0.70 mm	82	165	124
114	114	wt = 7	1.00 mm	0	127	63
115	115	wt = 3	0.50 mm	63	127	95
116	116	wt = 5	0.70 mm	0	76	38
117	117	wt = 5	0.70 mm	38	76	57
118	118	wt = 2	0.35 mm	0	38	19
119	119	wt = 7	1.00 mm	19	38	28
120	120	wt = 1	0.25 mm	0	255	191
121	121	wt = 2	0.35 mm	127	255	223
122	122	wt = 3	0.50 mm	0	165	124
123	123	wt = 5	0.70 mm	82	165	145
124	124	wt = 7	1.00 mm	0	127	95
125	125	wt = 3	0.50 mm	63	127	111
126	126	wt = 5	0.70 mm	0	76	57
127	127	wt = 5	0.70 mm	38	76	66
128	128	wt = 2	0.35 mm	0	38	28
129	129	wt = 7	1.00 mm	19	38	33
130	130	wt = 1	0.25 mm	0	255	255
131	131	wt = 2	0.35 mm	127	255	255
132	132	wt = 3	0.50 mm	0	165	165
133	133	wt = 5	0.70 mm	82	165	165
134	134	wt = 7	1.00 mm	0	127	127
135	135	wt = 3	0.50 mm	63	127	127
136	136	wt = 5	0.70 mm	0	76	76
137	137	wt = 5	0.70 mm	38	76	76

AutoC	MicroS	Weight	Line Width	Color Percentages		
				Red	Green	Blue
138	138	wt = 2	0.35 mm	0	38	38
139	139	wt = 7	1.00 mm	19	38	38
140	140	wt = 1	0.25 mm	0	191	255
141	141	wt = 2	0.35 mm	127	223	255
142	142	wt = 3	0.50 mm	0	124	165
143	143	wt = 5	0.70 mm	82	145	165
144	144	wt = 7	1.00 mm	0	95	127
145	145	wt = 3	0.50 mm	63	111	127
146	146	wt = 5	0.70 mm	0	57	76
147	147	wt = 5	0.70 mm	38	66	76
148	148	wt = 2	0.35 mm	0	28	38
149	149	wt = 7	1.00 mm	19	33	38
150	150	wt = 1	0.25 mm	0	127	255
151	151	wt = 2	0.35 mm	127	191	255
152	152	wt = 3	0.50 mm	0	82	165
153	153	wt = 5	0.70 mm	82	124	165
154	154	wt = 7	1.00 mm	0	63	127
155	155	wt = 3	0.50 mm	63	95	127
156	156	wt = 5	0.70 mm	0	38	76
157	157	wt = 5	0.70 mm	38	57	76
158	158	wt = 2	0.35 mm	0	19	38
159	159	wt = 7	1.00 mm	19	28	38
160	160	wt = 1	0.25 mm	0	63	255
161	161	wt = 2	0.35 mm	127	159	255
162	162	wt = 3	0.50 mm	0	41	165
163	163	wt = 5	0.70 mm	82	103	165
164	164	wt = 7	1.00 mm	0	31	127
165	165	wt = 3	0.50 mm	63	79	127
166	166	wt = 5	0.70 mm	0	19	76
167	167	wt = 5	0.70 mm	38	47	76
168	168	wt = 2	0.35 mm	0	9	38
169	169	wt = 7	1.00 mm	19	23	38
170	170	wt = 1	0.25 mm	0	0	255
171	171	wt = 2	0.35 mm	127	127	255
172	172	wt = 3	0.50 mm	0	0	165
173	173	wt = 5	0.70 mm	82	82	165
174	174	wt = 7	1.00 mm	0	0	127
175	175	wt = 3	0.50 mm	63	63	127
176	176	wt = 5	0.70 mm	0	0	76
177	177	wt = 5	0.70 mm	38	38	76
178	178	wt = 2	0.35 mm	0	0	38
179	179	wt = 7	1.00 mm	19	19	38
180	180	wt = 1	0.25 mm	63	0	255
181	181	wt = 2	0.35 mm	159	127	255
182	182	wt = 3	0.50 mm	41	0	165
183	183	wt = 5	0.70 mm	103	82	165
184	184	wt = 7	1.00 mm	31	0	127

AutoCAD Color #	MicroStation Color #	Weight	Line Width	Color Percentages		
				Red	Green	Blue
185	185	wt = 3	0.50 mm	79	63	127
186	186	wt = 5	0.70 mm	19	0	76
187	187	wt = 5	0.70 mm	47	38	76
188	188	wt = 2	0.35 mm	9	0	38
189	189	wt = 7	1.00 mm	23	19	38
190	190	wt = 1	0.25 mm	127	0	255
191	191	wt = 2	0.35 mm	191	127	255
192	192	wt = 3	0.50 mm	82	0	165
193	193	wt = 5	0.70 mm	124	82	165
194	194	wt = 7	1.00 mm	63	0	127
195	195	wt = 3	0.50 mm	95	63	127
196	196	wt = 5	0.70 mm	38	0	76
197	197	wt = 5	0.70 mm	57	38	76
198	198	wt = 2	0.35 mm	19	0	38
199	199	wt = 7	1.00 mm	28	19	38
200	200	wt = 1	0.25 mm	191	0	255
201	201	wt = 2	0.35 mm	223	127	255
202	202	wt = 3	0.50 mm	124	0	165
203	203	wt = 5	0.70 mm	145	82	165
204	204	wt = 7	1.00 mm	95	0	127
205	205	wt = 3	0.50 mm	111	63	127
206	206	wt = 5	0.70 mm	57	0	76
207	207	wt = 5	0.70 mm	66	38	76
208	208	wt = 2	0.35 mm	28	0	38
209	209	wt = 7	1.00 mm	33	19	38
210	210	wt = 1	0.25 mm	255	0	255
211	211	wt = 2	0.35 mm	255	127	255
212	212	wt = 3	0.50 mm	165	0	165
213	213	wt = 5	0.70 mm	165	82	165
214	214	wt = 7	1.00 mm	127	0	127
215	215	wt = 3	0.50 mm	127	63	127
216	216	wt = 5	0.70 mm	76	0	76
217	217	wt = 5	0.70 mm	76	38	76
218	218	wt = 2	0.35 mm	38	0	38
219	219	wt = 7	1.00 mm	38	19	38
220	220	wt = 1	0.25 mm	255	0	191
221	221	wt = 2	0.35 mm	255	127	223
222	222	wt = 3	0.50 mm	165	0	124
223	223	wt = 5	0.70 mm	165	82	145
224	224	wt = 7	1.00 mm	127	0	95
225	225	wt = 3	0.50 mm	127	63	111
226	226	wt = 5	0.70 mm	76	0	57
227	227	wt = 5	0.70 mm	76	38	66
228	228	wt = 2	0.35 mm	38	0	28
229	229	wt = 7	1.00 mm	38	19	33
230	230	wt = 1	0.25 mm	255	0	127
231	231	wt = 2	0.35 mm	255	127	191

AutoCAD Color #	MicroStation Color #	Weight	Line Width	Color Percentages		
				Red	Green	Blue
232	232	wt = 3	0.50 mm	165	0	82
233	233	wt = 5	0.70 mm	165	82	124
234	234	wt = 7	1.00 mm	127	0	63
235	235	wt = 3	0.50 mm	127	63	95
236	236	wt = 5	0.70 mm	76	0	38
237	237	wt = 5	0.70 mm	76	38	57
238	238	wt = 2	0.35 mm	38	0	19
239	239	wt = 7	1.00 mm	38	19	28
240	240	wt = 1	0.25 mm	255	0	63
241	241	wt = 2	0.35 mm	255	127	159
242	242	wt = 3	0.50 mm	165	0	41
243	243	wt = 5	0.70 mm	165	82	103
244	244	wt = 7	1.00 mm	127	0	31
245	245	wt = 3	0.50 mm	127	63	79
246	246	wt = 5	0.70 mm	76	0	19
247	247	wt = 5	0.70 mm	76	38	47
248	248	wt = 2	0.35 mm	38	0	9
249	249	wt = 7	1.00 mm	38	19	23
250	250	wt = 1	0.25 mm	84	84	84
251	251	wt = 2	0.35 mm	118	118	118
252	252	wt = 3	0.50 mm	152	152	152
253	253	wt = 5	0.70 mm	186	186	186
254	254	wt = 7	1.00 mm	220	220	220
255	255	wt = 7	1.00 mm	255	255	255