



**The CADD/GIS
Technology Center**

for facilities, infrastructure, and environment

A/E/C CADD Standard

Appendix D

The A/E/C CADD Standard is
compliant with Version 2.0
of the U.S. National
CAD Standard.

The A/E/C CADD Standard
contains supplemental materials
and DoD specific requirements
not addressed in the U.S. National
CAD Standard.



Release 2.0

Approved For Public Release; Distribution Is Unlimited

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A/E/C CADD Standard

Main Text and Appendices A, B, and C
Appendix D

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Appendix D

A/E/C CADD Symbolology

This appendix provides the A/E/C CADD Symbolology as follows:

General Drafting

Lines

DEMOLN – Demolition Line D1-3

Symbols

BREAK – Break Line Symbol D1-7
 CNTLIN – Centerline Symbol D1-7
 COLLIN – Column Line/
 Grid Indicator.....D1-7
 DBLARR – Double Arrow Terminator ..D1-7
 DTLIND – Detail Indicator D1-7
 KEYIND – Detail Indicator.....D1-7
 MAGNOR – Magnetic North Arrow.....D1-7
 MATIND – Match Line Indicator D1-7
 NORIND – North Indicator.....D1-7
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 S00005 – Scale 1 : 5.....D1-8
 S00010 – Scale 1 : 10 D1-8
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 S0001G – Scale 1" = 1'-0" D1-8
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 S0012G – Scale 1/2" = 1'-0" D1-9
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 S0014G – Scale 1/4" = 1'-0" D1-9
 S0015B – Scale 1-1/2" = 1'-0" D1-9
 S0015G – Scale 1-1/2" = 1'-0" D1-9

S0016B – Scale 1/16" = 1'-0" D1-10
 S0016G – Scale 1/16" = 1'-0" D1-10
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 S0040G – Scale 1" = 40'-0" D1-11
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 S0050G – Scale 1" = 50'-0" D1-11
 S0060B – Scale 1" = 60'-0" D1-11
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Hazardous Materials

Lines

HAZMAT – Hazardous Material
Transport D2-3

Symbols

AIRQST – Air Quality Monitoring
Station D2-7
AIRSMP – Air Sample Location D2-7
BIOSMP – Biological Sample Location D2-7
EGDECN – Equipment Decontamination D2-7
EGONST – Onsite Command Post D2-7
EGSITE – Site Information Center D2-7
EGWASH – Washdown Water Tank D2-7
EHZMSA – Hazmat Storage Location D2-7
EHZMSB – Hazmat Storage Building D2-7
EHZMSR – Hazmat Storage Room D2-8
EHZMSV – Hazmat Storage Vault D2-8
EHZWSA – Hazwaste Storage Location D2-8
EHZWSB – Hazwaste Storage Building D2-8
EHZWSR – Hazwaste Storage Room D2-8
EHZWSV – Hazwaste Storage Vault D2-8
EMGSHW – Emergency Shower D2-8
EPOLLS – Pollution Source Site D2-8
EYEWAS – Emergency Eyewash D2-8
GWTQST – Groundwater Quality
Monitoring Station D2-9
LANGAS – Landfill Gas Monitor Probe D2-9
MAGLOC – Magnetometer Det. Locat. D2-9
MATSMPL – Solid Material Sample
Location D2-9
PRRLOC – Potential Release Location D2-9
RESTR – Restricted Access D2-9
SEDSMP – Sediment Sample Location D2-9
SOLGAS – Soil Gas Monitoring Probe D2-9
SOLSMP – Soil Sample Location D2-9
SPLRES – Spill Response D2-10
SPLTNK – Spill Containment Tank D2-10
SURSMP – Surface Water Sample Loc D2-10
SWTQST – Surface Water Quality
Monitoring Station D2-10
WASSMP – Waste Sample Location D2-10
WATSMP – Groundwater Sample Loc D2-10

Survey/Mapping

Lines

16THLN – Sixteenth Line D3-3
BARDIT – Ditch Barrier D3-3
BARDTB – Ditch and Berm Barrier D3-3
BARGEN – Generic Security Barrier D3-3
BARMAS – Security Masonry Barrier D3-3
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Linear Pattern D3-3
CMPU12 – CMP up to 12 in. Diameter
Linear Pattern D3-3
COMARX – Existing Aerial
Communication Line D3-3
COMUGX – Existing Underground
Communication Line D3-3
CONLMT – Construction Limit D3-4
CULVRT – Culvert Pipe D3-4
DITCH – Ditch Line D3-4
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Electrical Line D3-4
EPUGX – Existing Underground Primary
Electrical Line D3-4
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Electrical Line D3-4
ESUGX – Existing Underground Secondary
Electrical Line D3-4
EUDUCX – Existing Underground
Ductbank D3-4
FENCE – Fence D3-4
FIBOPT – Fiber Optics Line D3-5
FIRE – Fire Protection Water Supply D3-5
FUELOR – Fuel Oil Return D3-5
FUELOS – Fuel Oil Supply D3-5
FUELOV – Fuel Oil Tank Vent D3-5
GUARD – Guardrail D3-5
INDXDC – Index Depth Contour D3-5
IWASTE – Industrial Waste D3-5
LIQPET – Liquid Petroleum Gas D3-5
MINRDC – Minor Depth Contour D3-6
NONPOT – Nonpotable Water D3-6
NTGASX – Exist. Natural Gas Piping D3-6
PROJBL – Project Boundary Line D3-6
PROPL – Property Line D3-6
RAILS – Single Railroad D3-6
RTOFWY – Right of Way D3-6

SSWAFX – Existing Sanitary Sewer.....	D3-6
STRAFX – Existing Storm Drain.....	D3-6
TREEL – Tree Line.....	D3-7
WATRX – Existing Water Line.....	D3-7

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CONC – Concrete.....	D3-11
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EROCK – Existing Rock.....	D3-11
FILLSC – Fill Section.....	D3-11
GRAVEL – Gravel.....	D3-11
GROUT – Grout.....	D3-11
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POROUS – Porous.....	D3-11
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Symbols

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Lightbar.....	D3-15
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Lightbar.....	D3-15
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Beacon.....	D3-18
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TOWWT1 – White Beacon Tower w/Topmark	D3-51
TOWWT2 – White Beacon Tower w/Topmark	D3-51
TREEC – Tree, Coniferous	D3-52
TREED – Tree, Deciduous	D3-52
TREEG – Tree, Generic	D3-52
TRFSIG – Traffic Signal Mast Arm	D3-52
TRIPNT – Triangulation Point	D3-52
TRVALT – Transformer Vault	D3-52
TSCTRL – Traffic Signal Controller	D3-52
TSHEAD – Traffic Signal Head	D3-52
TSPBX – Traffic Signal Pullbox	D3-52
TSPHS – Traffic Signal Phase No., Thru	D3-53
TSPHT – Traffic Signal Phase No., Turn	D3-53
TSVLDT – Traffic Signal Vehicle Loop Detector	D3-53
TWCLL – Taxiway Centerline Light	D3-53
TWELEL – Elevated Taxiway End Light	D3-53
TWELSF – Semiflush Taxiway End Light	D3-53
TWGSgn – Taxiway Guidance Sign	D3-53
TWLEL – Elevated Taxiway Edge Light	D3-53
TWLSF – Semiflush Taxiway Edge Light	D3-53
USHWY – US Highway Symbol	D3-54

UTPLX – Existing Pole	D3-54
VCDATA – Vertical Curve Data	D3-54
VERCPT – Vertical Control Point	D3-54
WAHHOL – Water Handhole	D3-54
WAMETR – Water Meter	D3-54
WAPLNT – Water Plant	D3-54
WASOFT – Water Softener	D3-54
WAVALT – Water Valve Vault	D3-54
WEIR – Weir	D3-55
WELL1 – Wellhead, Above Water	D3-55
WELL3 – Wellhead, Above Water	D3-55
WINDCN – Windcone	D3-55
WITHYP – Port Hand Withy	D3-55
WITHYS – Starboard Hand Withy	D3-55
WRECK – Wreck, Not Dangerous	D3-55
WRKDNG – Wreck, Danger Depth Unknown	D3-55
WRKEXP – Wreck, Partly Exposed	D3-55
XFRPLX – Existing Transformer Pole	D3-56
XFRPMX – Existing Transformer Pad	D3-56

Geotechnical

Patterns

AGGLOM – Agglomerate or Flow Breccia	D4-3
ANDES – Andesite	D4-3
BASALT – Basalt	D4-3
BRECCA – Breccia	D4-3
CHALK – Chalk or Marl	D4-3
CHERT – Chert	D4-3
CLAYST – Claystone or Siltstone	D4-3
CMPSHL – Compaction Shale	D4-3
COAL – Coal	D4-3
CONGLM – Conglomerate	D4-4
CSHALE – Cemented Shale	D4-4
CSJNT – Closely Spaced Joints	D4-4
DIORIT – Diorite	D4-4
DOLOM – Dolomite	D4-4
GABBRO – Gabbro	D4-4
GNEISS – Gneiss	D4-4
GRANIT – Granite	D4-4
GRAYWC – Graywacke	D4-4
HFRACT – Highly Fractured	D4-5
LIMEST – Limestone	D4-5
MARBL1 – Marble	D4-5

MSJNT – Moderately Spaced Joints.....	D4-5
QUARTZ – Quartzite	D4-5
RHYOLT – Rhyolite.....	D4-5
SANDST – Sandstone.....	D4-5
SCHIST – Schist	D4-5
SHELL – Shells.....	D4-5
SLATE – Slate	D4-6
SOAPST – Soapstone or Serpentine.....	D4-6
TUFF – Tuff or Tuff Breccia	D4-6
USCS1 – USCS Soil Symbol.....	D4-6
USCS10 – OL, Organic Clay or Silt, Low Liquid Limit.....	D4-6
USCS11 – Pt, Peat	D4-6
USCS12 – SC, Clayey Sand.....	D4-6
USCS13 – SM, Silty Sand	D4-6
USCS14 – SP, Poorly Graded Sand.....	D4-6
USCS15 – SW, Well Graded Sand	D4-7
USCS2 – CL, Lean Clay	D4-7
USCS3 – GC, Clayey Gravel.....	D4-7
USCS4 – GM, Silty Gravel.....	D4-7
USCS5 – GP, Poorly Graded Gravel	D4-7
USCS6 – GW, Well Graded Gravel	D4-7
USCS7 – MH, Inorganic Silt, High Liquid Limit.....	D4-7
USCS8 – ML, Inorganic, Silt, Low Liquid Limit.....	D4-7
USCS9 – OH, Organic Clay or Silt, High Liquid Limit.....	D4-7
WOOD – Wood Symbol	D4-8
WSJNT – Widely Spaced Joints	D4-8
ZONECL – Zones of Core Loss	D4-8

Symbols

ANCHOL – Angle Cored Hole (Arrow=Dir).....	D4-11
ANTICL – Anticline.....	D4-11
BHHNUM – Backhoe Hole Number	D4-11
BOLOGR – Boring Log Refusal	D4-11
CCHNUM – Concrete Core Hole Number.....	D4-11
CDRDSH – Consolidated-Drained Direct Shear	D4-11
CONDRA – Consolidated Drained.....	D4-11
CONSOL – Consolidation	D4-11
CONTST – Consolidation Test	D4-11
CONUDR – Consolidated Undrained.....	D4-12
CPNHOL – Cone Penetrometer Hole	D4-12

CUDRTT – Consolidated-Undrained Triaxial Test	D4-12
DSCHOL – Drive Sampled (SPT) and Cored.....	D4-12
DSHOL – Drive Sample (SPT) Hole.....	D4-12
FBLCK1 – Fault Block Movement 1....	D4-12
FBLCK2 – Fault Block Movement 2....	D4-12
HAHNUM – Hand Auger Hole Number	D4-12
HANGF1 – High Angle Fault 1	D4-12
HANGF2 – High Angle Fault 2	D4-13
HDHNUM – Hand Dug Hole Number	D4-13
HEXAGN – Hexagon Symbol	D4-13
HOLNUM – Hole Number, Elevation, Offset	D4-13
HRZBED – Horizontal Beds.....	D4-13
MOISTC – Moisture Content	D4-13
NSAHOL – Nonsampled Area of Hole	D4-13
OBSHOL – Piezometer or Observation Hole.....	D4-13
OPBLOG – Open Boring Log	D4-13
PAHNUM – Power Auger Hole Number	D4-14
PIEZOM – Piezometer	D4-14
PROPEX – Proposed Exploration	D4-14
PTHNUM – Perc Test Hole Number....	D4-14
RDHNUM – Rotary Drill Hole Number	D4-14
RSLASH – Refusal Slashes	D4-14
SAMPLE – Sample.....	D4-14
SDIJNT – Strike Dip of Inclined Joint.....	D4-14
SQUARE – Square Symbol	D4-14
STRKDP – Strike Dip.....	D4-15
STRKVJ – Strike of Vertical Joint	D4-15
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TSTHOL – Test Hole Symbol	D4-15
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UCONUT Unconsolidated-Undrained Triaxial Test	D4-15
UDENIS – Undisturbed Denison or Push	D4-15
ULIMIT – Unsatisfactory Limit	D4-16
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VHNUM – Vibracore Hole Number....	D4-16

WASHBR – Washbored	D4-16
WBHNUM – Wash Boring Hole Number	D4-16
WLEVDL – Water Level Date Left	D4-16
WTRLEV – Water Level	D4-16

FILTBD – Filtration Bed	D5-9
GRAVEL – Gravel	D5-9
LSWAMP – Large Swamp	D5-9
POROUS – Porous	D5-9
RIPRAP – Riprap	D5-9

Civil

Lines

BARDIT – Ditch Barrier	D5-3
BARDTB – Ditch and Berm Barrier	D5-3
BARGEN – Generic Security Barrier	D5-3
BARMAS – Security Masonry Barrier	D5-3
CONLMT – Construction Limit	D5-3
CULVRT – Culvert Pipe	D5-3
DITCH – Ditch Line	D5-3
FENCE – Fence	D5-3
FIRE – Fire Protection Water Supply	D5-3
FUELOS – Fuel Oil Return	D5-4
FUELOS – Fuel Oil Supply	D5-4
FUELOV – Fuel Oil Tank Vent	D5-4
GOVTKL – Government Taking Line	D5-4
GUARD – Guardrail	D5-4
INDXDC – Index Depth Contour	D5-4
IWASTE – Industrial Waste	D5-4
LIQPET – Liquid Petroleum Gas	D5-4
MINRDC – Minor Depth Contour	D5-4
NONPOT – Nonpotable Water	D5-5
NTGASN – Natural Gas Piping	D5-5
NTGASX – Exist. Natural Gas Piping	D5-5
PROJBL – Project Boundary Line	D5-5
PROPL – Property Line	D5-5
RAILRD – Railroad	D5-5
RTOFWY – Right of Way	D5-5
SSWAF – Sanitary Sewer	D5-5
SSWAFX – Existing Sanitary Sewer	D5-5
STRAF – Storm Drain	D5-6
STRAFX – Existing Storm Drain	D5-6
TREEL – Tree Line	D5-6
WATERL – Water Line	D5-6
WATRX – Existing Water Line	D5-6
WWFBRC – Welded Wire Fabric	D5-6

Patterns

CONCST – Concrete, Stone	D5-9
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Symbols

AIRFLD – Airfield Symbol	D5-13
ARRPT – Parking Turn Arrow	D5-13
ARRSD – Straight Direction Arrow	D5-13
ARRST – Straight and Turn Arrow	D5-13
BREAK – Break Line Symbol	D5-13
BUOY – Buoy	D5-13
CATBSN – Catch Basin	D5-13
CATBSR – Round Catch Basin	D5-13
CDHDR – Core Drill Hole Drilled	D5-13
CDHUDR – Core Drill Hole Undrilled	D5-14
CLNOUT – Cleanout	D5-14
CNR90 – Corner Solid 90	D5-14
CNRSF – Corner Solid Flat	D5-14
CNTLIN – Centerline Symbol	D5-14
COGRAV – Center of Gravity Symbol	D5-14
CULVEE – Culvert End	D5-14
DBLARR – Double Arrow Terminator	D5-14
DRLHOL – Drill Hole	D5-14
FLARRL – Flow Arrow Left in 0 Pt.	D5-15
FLARRR – Flow Arrow Right in 0 Pt.	D5-15
FOMETR – Fuel Oil Meter	D5-15
FOMHOL – Fuel Oil Manhole	D5-15
FOVALT – Fuel Oil Vault	D5-15
GREASE – Grease Trap	D5-15
GRITCH – Grit Chamber	D5-15
GSMETR – Gas Meter	D5-15
GSPLNT – Gas Plant	D5-15
GSRECR – Gas Receiver	D5-16
GSTRAP – Gas Trap	D5-16
GSVALT – Gas Valve Vault	D5-16
HEADWL – Headwall	D5-16
HNDCAP – Handicap Chair Symbol	D5-16
HORCPT – Horizontal Control Point	D5-16
HOVCPT – Horiz. Vert. Control Point	D5-16
HUREYE – Hurricane Eye	D5-16
HYDRNT – Hydrant	D5-16
INSHWY – Interstate Highway Symbol	D5-17
IWMETR – Industrial Waste Water Meter	D5-17
IWMHOL – Industrial Waste Water Manhole	D5-17

JNBX – Junction Box.....	D5-17
MONWEL – Monitoring Well.....	D5-17
PHOCPT – Photo Control Point.....	D5-17
PIINFO – PI Information	D5-17
PIVALV – Post Indicator Valve	D5-17
PMPSTA – Pump Station	D5-17
RGVALV – Regulator Valve.....	D5-18
RRSIGN – Rail Signal	D5-18
RRSWTC – Rail Switch.....	D5-18
SCNRH – Section Corner Hatched.....	D5-18
SCNRO – Section Corner Open.....	D5-18
SDMHOL – Storm Drainage Manhole.....	D5-18
SHRUBC – Shrub, Coniferous	D5-18
SHRUBD – Shrub, Deciduous.....	D5-18
SIGN – Sign	D5-18
SNMHOL – Sanitary Manhole	D5-19
SNPVSL – Sanitary Pressure Vessel.....	D5-19
SNVALT – Sanitary Valve Vault.....	D5-19
SPOTEL – Ground Spot Elevation.....	D5-19
SPTANK – Septic Tank.....	D5-19
STHWY – State Highway Symbol.....	D5-19
STMPIT – Steam Pit.....	D5-19
SWAMP – Swamp	D5-19
TIDEG – Tide Gage	D5-19
TIRETR – Tire Treddle.....	D5-20
TNKBG – Tank, Below Ground.....	D5-20
TNKHAG – Tank, Horizontal	
Above Ground	D5-20
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Above Ground	D5-20
TRACR – Traffic Arm w/Card Reader.....	D5-20
TRAMS – Traffic Arm,	
Mechanical Swing.....	D5-20
TREEC – Tree, Coniferous	D5-20
TREED – Tree, Deciduous.....	D5-20
TREEG – Tree, Generic	D5-20
USHWY – US Highway Symbol	D5-21
VCDATA – Vertical Curve Data.....	D5-21
VERCPT – Vertical Control Point.....	D5-21
WAHHOL – Water Handhole.....	D5-21
WAMETR – Water Meter.....	D5-21
WAPLNT – Water Plant.....	D5-21
WASOFT – Water Softener.....	D5-21
WAVALT – Water Valve Vault.....	D5-21

Landscape

Lines

FENCE – Fence Line.....	D6-3
LAWNSP – Lawn Sprinkler Supply.....	D6-3
TREEL – Tree Line.....	D6-3

Symbols

SHRUBC – Shrub, Coniferous	D6-7
SHRUBD – Shrub, Deciduous.....	D6-7
TREEC – Tree, Coniferous.....	D6-7
TREED – Tree, Deciduous.....	D6-7
TREEG – Tree, Generic.....	D6-7

Structural

Lines

BERM – Berm.....	D7-3
CMP127 – CMP 127 mm x 25 mm.....	D7-3
CMP152 – CMP 152 mm x 51 mm.....	D7-3
CMP38 – CMP 38 mm x 6 mm.....	D7-3
CMP51 – CMP 51 mm x 13 mm.....	D7-3
CMP68 – CMP 68 mm x 13 mm.....	D7-3
CMP76 – CMP 76 mm x 25 mm.....	D7-3
DECKCR – Corrugated Metal Deck.....	D7-3
DECKFL – Metal Floor Deck.....	D7-3
DECKRF – Metal Roof Deck	D7-4
GROUND – Ground	D7-4
INTRLK – Interlocking Steel Members..	D7-4
PS31 – PS31 Sheet Pile.....	D7-4
PS31H – PS31 Sheet Pile Hidden.....	D7-4
PSA23 – PSA23 Sheet Pile.....	D7-4
PSA23H – PSA23 Sheet Pile Hidden	D7-4
PZ22 – PZ22 Sheet Pile	D7-4
PZ22H – PZ22 Sheet Pile Hidden.....	D7-4
PZ27 – PZ27 Sheet Pile	D7-5
PZ27H – PZ27H Sheet Pile Hidden.....	D7-5
PZ35 – PZ35 Sheet Pile	D7-5
PZ35H – PZ35 Sheet Pile Hidden.....	D7-5
PZ40 – PZ40 Sheet Pile	D7-5
PZ40H – PZ40 Sheet Pile Hidden.....	D7-5
REBR12 – Rebar at 12 Inch	D7-5
REBR18 – Rebar at 18 Inch	D7-5

REBR6 – Rebar at 6 Inch.....	D7-5
REBR9 – Rebar at 9 Inch.....	D7-6
RIPPLN – Riprap Plan View	D7-6
ROCK – Rock	D7-6
SHORLN – Shore Line	D7-6
WWFBRC – Welded Wire Fabric	D7-6

Objects

4FRB – 4" Flat Ribbed Waterstop.....	D7-9
6FRBHD – 6" Flat Ribbed Waterstop, Heavy Duty	D7-9
6FRBLW – 6" Flat Ribbed Waterstop, Light Weight.....	D7-9
6RCBHD – 6" Ribbed Waterstop with Center Bulb, Heavy Duty	D7-9
6RCBLW – 6" Ribbed Waterstop with Center Bulb, Light Weight	D7-9
9FLBHD – 9" Flat Ribbed Waterstop Heavy Duty.....	D7-9
9FRBLW – 9" Flat Ribbed Waterstop Light Weight.....	D7-9
9RCBHD – 9" Ribbed Waterstop with Center Bulb, Heavy Duty	D7-9
9RCBLW – 9" Ribbed Waterstop with Center Bulb, Light Weight	D7-9
BOX – Box Pile.....	D7-10
CMUFL – Fluted Concrete Block, 8 X 8 X 16	D7-10
CMURIB – Ribbed Concrete Block, 8 X 8 X 16	D7-10
CMUSF – Split Face Concrete Block, 8 X 8 X 16	D7-10
CMUSTR – Structural Concrete Block, 8 X 8 X 16	D7-10
PLZ23 – PLZ23 Sheet Piling.....	D7-10
PLZ25 – PLZ25 Sheet Piling.....	D7-10
PS27.5 – PS27.5 Sheet Pile	D7-10
PS31 – PS31 Sheet Pile.....	D7-10
PSA23 – PSA23 Sheet Pile.....	D7-11
PZ22 – PZ22 Sheet Pile	D7-11
PZ27 – PZ27 Sheet Pile	D7-11
PZ35 – PZ35 Sheet Pile	D7-11
PZ40 – PZ40 Sheet Pile	D7-11
RC230 – RC230 Sheet Pile Connection.....	D7-11
RC231 – RC231 Sheet Pile Connection.....	D7-11
ZC270 – PZ22 PZ27 L Connection.....	D7-11
ZC271 – PZ22 PZ27 L Connection.....	D7-11
ZC272 – PZ22 PZ27 L Connection.....	D7-12

ZC273 – PZ22 PZ27 L Connection.....	D7-12
ZC274 – PZ22 PZ27 L Connection.....	D7-12
ZC275 – PZ22 PZ27 L Connection.....	D7-12
ZC276 – PZ22 PZ27 L Connection.....	D7-12
ZC277 – PZ22 PZ27 L Connection.....	D7-12
ZC278 – PZ22 PZ27 L Connection.....	D7-12
ZC279 – PZ22 PZ27 L Connection.....	D7-12
ZC350 – PZ35 PZ40 L Connection.....	D7-12
ZC351 – PZ35 PZ40 L Connection.....	D7-13
ZC352 – PZ35 PZ40 L Connection.....	D7-13
ZC353 – PZ35 PZ40 L Connection.....	D7-13
ZC354 – PZ35 PZ40 L Connection.....	D7-13
ZC355 – PZ35 PZ40 L Connection.....	D7-13
ZC356 – PZ35 PZ40 L Connection.....	D7-13
ZC357 – PZ35 PZ40 L Connection.....	D7-13
ZC358 – PZ35 PZ40 L Connection.....	D7-13
ZC359 – PZ35 PZ40 L Connection.....	D7-13
ZT270 – PZ22 PZ27 T Connection.....	D7-14
ZT271 – PZ22 PZ27 T Connection.....	D7-14
ZT350 – PZ35 PZ40 T Connection.....	D7-14
ZT351 – PZ35 PZ40 T Connection.....	D7-14
ZX270 – PZ22 PZ27 Cross Connection.....	D7-14
ZX350 – PZ35 PZ40 Cross Connection.....	D7-14

Patterns

CONCST – Concrete, Stone	D7-17
EEARTH – Existing Earth.....	D7-17
GRAVEL – Gravel.....	D7-17

Symbols

ANBOLT – Anchor Bolt.....	D7-21
CNTLIN – Centerline Symbol	D7-21
COLLIN – Column Line/Grid Indicator.....	D7-21
JSTBR1 – Joist Bar, Single Line	D7-21
JSTBR2 – Joist Bar, Single Line	D7-21
PLATE – Plate Symbol.....	D7-21

Architectural

Lines

INBATT – Loose Fill Batt. Insulation.....	D8-3
WWFBRC – Welded Wire Fabric	D8-3

Objects

BRKGL – Glazed Brick	D8-7
CMU – Masonry Unit	D8-7
CMUBLK – Concrete Block, 8X8X16...	D8-7
CMUCOR – Concrete Block, 8X8X16 Corner	D8-7
CMUEND – Concrete Block, 8X8X16 End.....	D8-7
CMUGL – Glazed Concrete Block.....	D8-7
CMUSTR – Concrete Block, 8X8X16 Str.	D8-7
DOR18L – Left Door, 180 Degree Swing	D8-7
DOR18R – Right Door, 180 Degree Swing	D8-7
DORBFL – Left Bifold Door.....	D8-8
DORBFR – Right Bifold Door	D8-8
DORCPV – Door Center Pivot.....	D8-8
DORCYL – Cylindrical Door	D8-8
DORDBL – Left Double Door.....	D8-8
DORDBR – Right Double Door	D8-8
DORDEL – Left Double Egress Door	D8-8
DORDER – Right Double Egress Door..	D8-8
DORFSL – Left Single Full Swing Door	D8-8
DORFSR – Right Single Full Swing Door	D8-9
DOROVH – Overhead Door.....	D8-9
DORPOC – Door Pocket	D8-9
DORRUP – Roll Up Door	D8-9
DORSHL – Left Single Hinged Door.	D8-9
DORSHR – Right Single Hinged Door. .	D8-9
DORSLD – Sliding Door	D8-9
DORSLS – Sliding Surface Door	D8-9
DORSPL – Left Single Pivot Door.....	D8-9
DORSPR – Right Single Pivot Door	D8-10
DORUDL – Left Uneven Double Door	D8-10
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LINTEL – Concrete Beam Bond Lintel	D8-10
WINAWN – Window Awning	D8-10
WINBAY – Projected Bay Window	D8-10
WINBOW – Projected Bow Window ...	D8-10
WINBOX – Projected Box Window	D8-10
WINDCI – Window Double Casement Inward Open	D8-10
WINDCO – Window Double	

Casement Outward Open	D8-11
WINDH – Double Hung Window.....	D8-11
WINFIX – Fixed 1 Foot Window	D8-11
WINJAL – Jalousie Window	D8-11
WINOSL – Sliding Window Left Operating Sash	D8-11
WINOSR – Sliding Window Right Operating Sash	D8-11
WINPIV – Pivot Window	D8-11
WINSCL – Window Single Casement Left Jamb Hinge	D8-11
WINSCR – Window Single Casement Right Jamb Hinge.....	D8-11
WINSH – Single Hung Window	D8-12

Patterns

ADOBE – Masonry/Adobe Rammed Earth.....	D8-15
ALUMIN – Aluminum.....	D8-15
ASHLER – Stone Ashler	D8-15
BRASS – Bronze Brass	D8-15
BRBLCO – Coursed Brick Block.....	D8-15
BRCOBD – Common Bond Brick.....	D8-15
BRENB – English Bond Brick.....	D8-15
BRFLBD – Flemish Bond Brick.....	D8-15
BRFLCB – Flemish Common Bond.....	D8-15
BRKCF – Common/Face Brick	D8-16
BRKELE – Brick Elevation	D8-16
BRRNBD – Brick Running Bond.....	D8-16
BRSTBD – Brick Stack Bond.....	D8-16
CCBSS – Cast Concrete Block, Small Scale	D8-16
CCELEV – Concrete Cement Elevation	D8-16
CDTOP – Cementitious Deck & Topping.....	D8-16
CMUBP – CMU Block.....	D8-16
CMUELB – Elevation Block	D8-16
CONBLK – Concrete Block	D8-17
CONCCN – Concrete, Cinder.....	D8-17
CONCLW – Concrete, Light Weight ...	D8-17
CONCPR – Precast Cast-in-Place Concrete.....	D8-17
CONCST – Concrete, Stone	D8-17
CONPBS – Pumice Block Concrete, Small Scale	D8-17
CSTIRN – Cast Iron.....	D8-17

CSTSTN – Cast Stone	D8-17
CTILSS – Ceramic Tile, Small Scale.....	D8-17
CUTSTN – Cut Stone	D8-18
EARTH – Compacted Fill Earthwork.....	D8-18
FIBFSF – Fibrous Fire Safing.....	D8-18
GLASS – Structural Glass	D8-18
GROUT – Grout	D8-18
GRVCRE – Crushed Rock Earth Gravel	D8-18
GRVPFE – Porous Fill Gravel Earthwork	D8-18
GRVSCL – Sand Clay Gravel.	D8-18
GYPPE – Gypsum Plaster Plan & Elevation	D8-18
INSQLT – Large Scale Insulation Quilts	D8-19
INSRIG – Rigid Insulation.....	D8-19
INSSCM – Solid Cork Magnesia Insulation	D8-19
MARBL2 – Marble Stone.....	D8-19
RIPRAP – Riprap.....	D8-19
ROCK – Rock Earthwork	D8-19
RUBBLE – Stone Rubble	D8-19
SAND – Sand.....	D8-19
STEEL – Steel and other Metals.....	D8-19
STNSQR – Squared Stone.....	D8-20
TCBCSS – Terra Cotta (Small Scale) Brick Cotta.....	D8-20
TCELEV – Terra Cotta Elevation.....	D8-20
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TERRZO – Terrazzo.....	D8-20
TILCER – Ceramic Tile Elevation.....	D8-20
TILESF – Structural Facing Tile.....	D8-20

Symbols

ARCPBW – Architectural Particleboard Woodwork.....	D8-23
ASBDLS – Large Scale Asbestos Board.....	D8-23
ASBDSS – Small Scale Asbestos Board.....	D8-23
BATHCO – Corner Bath	D8-23
BATHEM – Emergency Bath	D8-23
BATHFT – Foot Bath	D8-23
BATHHA – Hydrotherapy Arm Bath.....	D8-23
BATHHH – Hydrotherapy Hubbard Bath	D8-23

BATHHL – Hydrotherapy Leg Bath	D8-23
BATHIF – Infant Bath	D8-24
BATHIN – Institutional Bath.....	D8-24
BATHRC – Recessed Bath.....	D8-24
BATHRR – Roll Rim Bath.....	D8-24
BATHSZ – Sitz Bath	D8-24
BATHWP – Whirlpool Bath.....	D8-24
BIDET – Watercloset Bidet	D8-24
BRFACC – Brick Face on Common.....	D8-24
BRFIRE – Fire Brick.....	D8-24
BSSFLG – Bluestone / Slate / Soapstone / Flagging	D8-25
CANWCT – Can Washer, Cabinet Type	D8-25
CANWDT – Can Washer, Dish Type ..	D8-25
CARPET – Carpet and Pad.....	D8-25
CPLANK – Concrete Plank	D8-25
DFPROJ – Drinking Fountain, Projecting Type.....	D8-25
DFRECS – Drinking Fountain, Recessed Type	D8-25
DFSREC – Drinking Fountain, Semi-Recessed Type.....	D8-25
DOORID – Door Opening Identifier	D8-25
DSHWSH – Commercial Dishwasher ..	D8-26
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FASTEN – Fastener	D8-26
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Interiors

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STDDRY – Dry Standpipe	D10-3
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Symbols

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ACCESS – Fire Department Access	D10-7
AGSTCN – Agent Storage Container	D10-7
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 Extinguishing System.....D10-14
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 Above Ground.....D10-18
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 Above Ground.....D10-18
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 Valve.....D10-18
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 WBDSMA – Water-Based Dry System
 Manually Actuated.....D10-20
 WBDSSA – Water-Based Dry System
 Automatically Actuated.....D10-20
 WBFSAA – Water-Based Foam System
 Automatically Actuated.....D10-20
 WBFSMA – Water-Based Foam System
 Manually Actuated.....D10-20
 WBWSAA – Water-Based Wet System,
 Automatically Actuated.....D10-20
 WBWSMA – Water-Based Wet System,
 Manually Actuated.....D10-20

Plumbing

Lines

CDRNAF – Condensate Drain.....	D11-3
CLDWTR – Potable Cold Water	D11-3
CMPAIR – Compressed Air	D11-3
DIOWTR – Deionized Water.....	D11-3
DSTWTR – Distilled Water.....	D11-3
FIRE – Fire Protection Water Supply ..	D11-3
FUELOR – Fuel Oil Return	D11-3
FUELOS – Fuel Oil Supply	D11-3
FUELOV – Fuel Oil Tank Vent.....	D11-3
HELIUM – Helium.....	D11-4
HWTR – Potable Hot Water	D11-4
HWTRR – Potable Hot Water Return ..	D11-4
HYDRGN – Hydrogen.....	D11-4
ICWTR – Industrial Cold Water	D11-4
IHWTRR – Industrial Hot Water Return	D11-4
IHWTRS – Industrial Hot Water Supply	D11-4
INDDRN – Indirect Drain	D11-4
LIQNIT – Liquid Nitrogen.....	D11-4
LIQOXY – Liquid Oxygen	D11-5
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NITOXI – Nitrous Oxide	D11-5
NITROG – Nitrogen	D11-5
NONPOT – Nonpotable Water.....	D11-5
NTGASN – Natural Gas Piping	D11-5
OXYGEN – Oxygen	D11-5
PNTUBE – Pneumatic Tube Runs.....	D11-5
ROOFDN – Roof Drain	D11-5
SFCWTR – Soft Cold Water	D11-6
SHWTRR – Sanitizing Hot Water Return (180F).....	D11-6
SHWTRS – Sanitizing Hot Water Supply (180F).....	D11-6
SSWAF – Sanitary Sewer	D11-6
STRAF – Storm Drain	D11-6
VACAIR – Vacuum Air.....	D11-6
VENT – Vent.....	D11-6
VENTWS – Vent and Waste Combination	D11-6

Symbols

CAPSC – Cap.....	D11-9
DRNFUN – Open Drain Funnel	D11-9
EL45SC – 45 Degree Elbow.....	D11-9
EL90SC – 90 Degree Elbow.....	D11-9
ELBSC – Base Elbow	D11-9
ELDBSC – Double Branch Elbow.....	D11-9
ELLRSC – Long Radius Elbow.....	D11-9
ELODSC – Side Outlet Elbow, Outlet Down	D11-9
ELOUSC – Side Outlet Elbow, Outlet Up	D11-9
ELSTRT – Street Elbow	D11-10
ELTDSC – Turned Down Elbow.....	D11-10
ELTUSC – Turned Up Elbow.....	D11-10
FCO – Floor Cleanout.....	D11-10
FDCO – Floor Drain with Cleanout....	D11-10
FDDT – Floor Drain with Deep Trap ..	D11-10
FDNT – Floor Drain with No Trap.....	D11-10
FDTP – Floor Drain with Trap Prime..	D11-10
FDWT – Floor Drain with Trap.....	D11-10
FLBLND – Blind Flange.....	D11-11
FLOW3 – Flow Arrow.....	D11-11
FLRPEN – Iso. Floor Penetration.....	D11-11
GAUGE – Gauge	D11-11
HANGRD – Hanger Rod	D11-11
HANGSP – Hanger Spring	D11-11
ISOEWC – Isometric EWC	D11-11
ISOLAV – Isometric Lavatories	D11-11
ISOMOP – Isometric Mop Sink	D11-11
ISOUR1 – Isometric Wall Mounted Urinals	D11-12
ISOWC1 – Isometric Floor Mounted Water Closet.....	D11-12
ISOWC2 – Isometric Wall Mounted Water Closet.....	D11-12
LOOP1 – Left Dimension Loop	D11-12
LOOPR – Right Dimension Loop.....	D11-12
PLGBFL – Bull Plug, Flanged.....	D11-12
PLGPSC – Pipe Plug.....	D11-12
PRGGCO – Pressure Gauge and Cock.....	D11-12
PUMP – Pump.....	D11-12
PUMPP – Pump (Schematic).....	D11-13
PUMPS – In-Line Pump	D11-13
SLEEVE – Sleeve.....	D11-13
STGLAS – Sight Glass	D11-13
STRAIN – Strainer.....	D11-13

STRBLO – Blow Off Strainer	D11-13
TDSSC – Double Sweep Tee	D11-13
THERM – Thermometer	D11-13
TRAPST – Steam Trap	D11-13
TSODSC – Tee, Side Outlet, Outlet Down	D11-14
TSOUSC – Tee, Side Outlet, Outlet Up	D11-14
TSSSC – Straight Size Tee	D11-14
TSSWSC – Single Sweep Tee	D11-14
UNIOSC – Union	D11-14
VA3WAM – 3-Way Air Motor Controlled Valve	D11-14
VA3WEM – 3-Way Electric Motor Controlled Valve	D11-14
VA3WM – 3-Way Manual Valve	D11-14
VAAHOS – Angle Hose Valve	D11-14
VABALL – Ball Valve	D11-15
VABFLY – Butterfly Valve	D11-15
VACWR – Condenser Water Regulating Valve	D11-15
VADISC – Diaphragm Valve	D11-15
VAEMTR – Valve Actuator Electric Motor	D11-15
VAESOL – Valve Actuator Electric Solenoid	D11-15
VAGAMC – Air Motor Controlled Gate Valve	D11-15
VAGLAM – Air Motor Controlled Globe Valve	D11-15
VAGLE – Angle Globe Valve (Elevation)	D11-15
VAGLSE – Globe Valve	D11-16
VAGSE – Angle Gate Valve, (Elevation)	D11-16
VAGSP – Angle Gate Valve (Plan)	D11-16
VAGTSE – Gate Valve	D11-16
VAHASC – Hose Angle Valve	D11-16
VAHGLS – Hose Globe Valve	D11-16
VAHGSC – Hose Gate Valve	D11-16
VALSSC – Lock Shield Valve	D11-16
VAMAGS – Magnetic Stop Valve	D11-16
VAMNNS – Valve Actuator Manual Nonrising Stem	D11-17
VAMOGS – Motor Operated Gate Valve	D11-17
VAMOLS – Motor Operated Globe Valve	D11-17
VAMOSY – Valve Actuator Manual	

Outside Stem & Yoke	D11-17
VANEED – Needle Valve	D11-17
VAPLUG – Plug Valve	D11-17
VAPMTD – Valve Actuator Pneumatic Motor Diaphragm	D11-17
VAPRED – Pressure Reducing Valve	D11-17
VAPRRD – Pressure Reducing Valve	D11-17
VAQOSC – Quick Opening Valve	D11-18
VARELF – Relief or Safety Valve	D11-18
VASCE – Angle Globe Valve (Elevation)	D11-18
VASCP – Angle Globe Valve (Plan)	D11-18
VASFSC – Safety Valve	D11-18
VASGCH – Swing Gate Check Valve	D11-18
VASNAP – Snap Action Valve	D11-18
VASOLN – Solenoid Valve	D11-18
VASPCCH – Spring Check Valve	D11-18
VASTSC – Gate Elbow	D11-19
VASWSC – Straight Way Check Valve	D11-19
VATPR – Temperature Pressure Relief Valve	D11-19
VLVCHK – Check Valve	D11-19

Mechanical

Lines

ACIDWS – Acid Waste	D12-3
AIRRLF – Atmospheric Vent	D12-3
BOILBD – Boiler Blow Down	D12-3
BRINER – Brine Return	D12-3
BRINES – Brine Supply	D12-3
CDRNAF – Condensate Drain	D12-3
CMPAIR – Compressed Air	D12-3
CONDP – Pumped Condensate	D12-3
CONDWR – Condenser Water Return	D12-3
CONDWS – Condenser Water Supply	D12-4
CWR – Chilled Water Return	D12-4
CWS – Chilled Water Supply	D12-4
DTR – Dual Temperature Return	D12-4
DTS – Dual Temperature Supply	D12-4
FILL – Fill Line	D12-4
GHR – Glycol Heating Return	D12-4
GHS – Glycol Heating Supply	D12-4
HPCNDR – High Pressure Condensate	D12-4

HTHWR – High Temperature Hot Water Return.....	D12-5
HTHWS – High Temperature Hot Water Supply.....	D12-5
HUMID – Humidification Line.....	D12-5
HWR – Low Temperature Hot Water Return.....	D12-5
HWS – Low Temperature Hot Water Supply.....	D12-5
ICWTR – Industrial Cold Water.....	D12-5
IHWTRR – Indust. Hot Water Return..	D12-5
IHWTRS – Indust. Hot Water Supply..	D12-5
IWASTE – Industrial Waste	D12-5
LPCNDR – Low Pressure Condensate ..	D12-6
MAKEUP – Make Up Water	D12-6
MPCNDR – Medium Pressure Condensate.....	D12-6
MTHWR – Medium Temperature Hot Water Return	D12-6
MTHWS – Medium Temperature Hot Water Supply.....	D12-6
NONPOT – Nonpotable Water.....	D12-6
PNTUBE – Pneumatic Tube Runs.....	D12-6
REFRL – Refrigerant Liquid	D12-6
REFRS – Refrigerant Suction	D12-6
STEAMH – High Pressure Steam.....	D12-7
STEAML – Low Pressure Steam.....	D12-7
STEAMM – Medium Pressure Steam ..	D12-7
TUVANE – Turning Vanes	D12-7
VACAIR – Vacuum Air.....	D12-7
VACPD – Vacuum Pump Discharge	D12-7

Symbols

ACCDOR – Duct Access Door.....	D12-11
AGUIDE – Alignment Guide.....	D12-11
AIRELM – Air Eliminator	D12-11
AIRIN – Air In	D12-11
AIRSEP – Air Separator	D12-11
ANCHRI – Anchor.....	D12-11
AVENTA – Automatic Air Vent	D12-11
AVENTM – Manual Air Vent	D12-11
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Electrical

Lines

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 Light.....D13-24
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Telecommunications

Lines

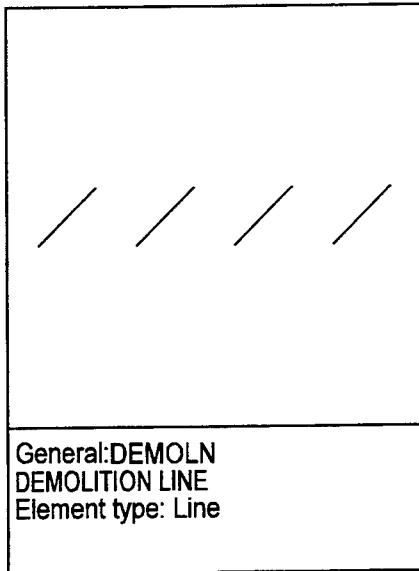
FIBOPT – Fiber Optics Line	D14-3
WIREWY – Wireway.....	D14-3

Symbols

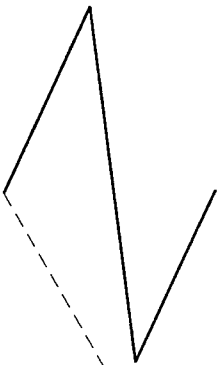
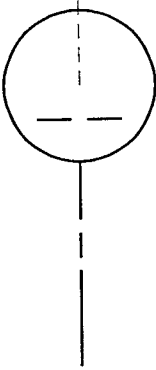
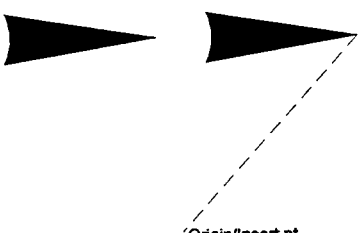
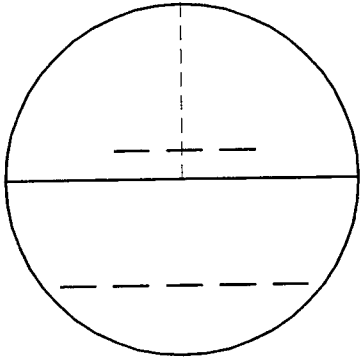
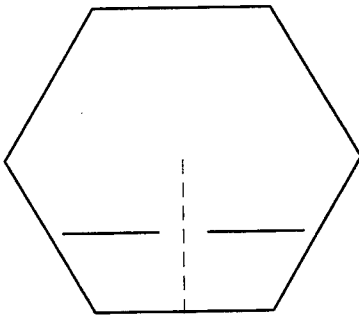
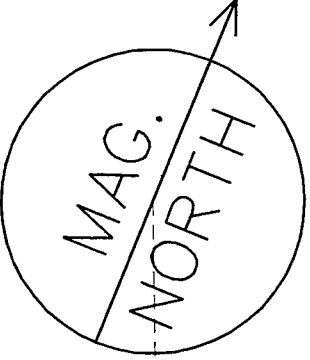
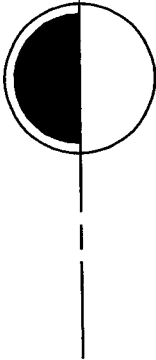
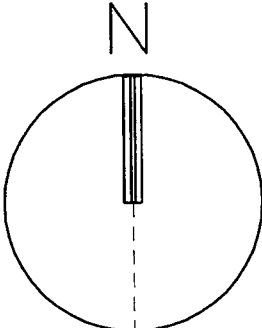
GRDROD – Grounding Rod.....	D14-7
RECDC – Data Communication Wall Receptacle.....	D14-7
RECDCF – Data Communication Floor Receptacle.....	D14-7
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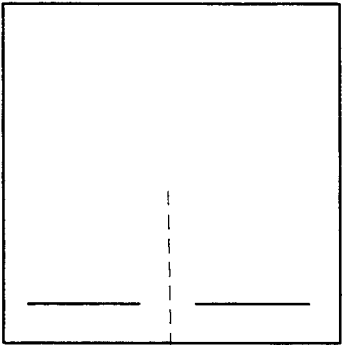
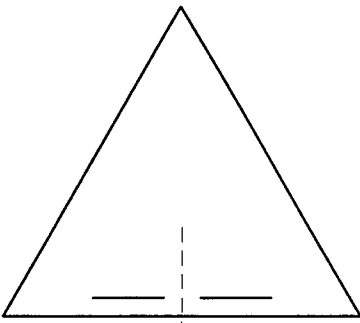
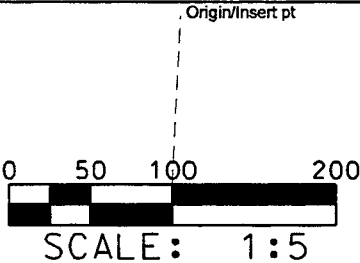
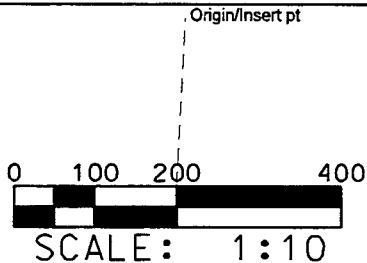
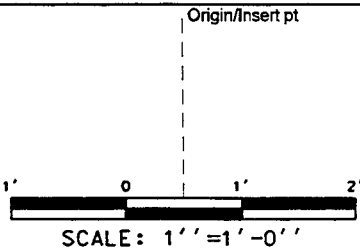
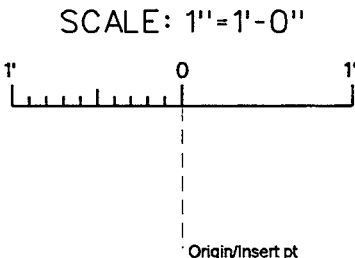
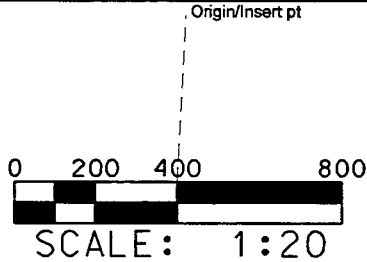
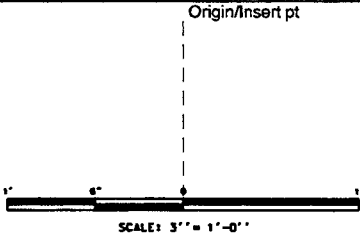
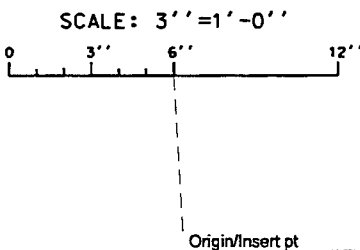
RECTDW – Telephone/Data Wall	
Receptacle.....	D14-7
RECTEF – Telephone Floor	
Receptacle.....	D14-7
RECTEL – Telephone Wall Receptacle	D14-7
TBOOTH – Telephone Booth.....	D14-7

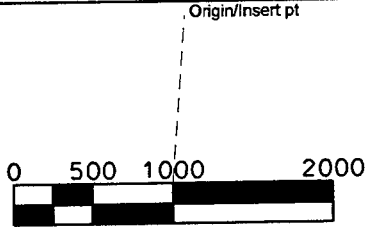
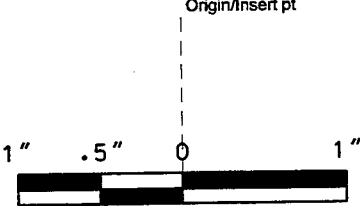
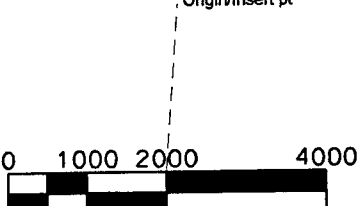
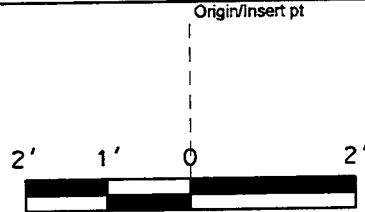
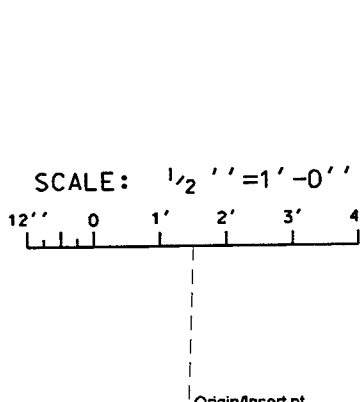
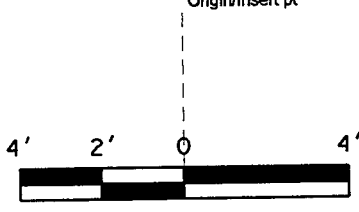
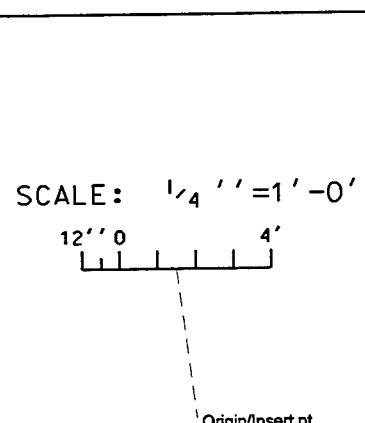
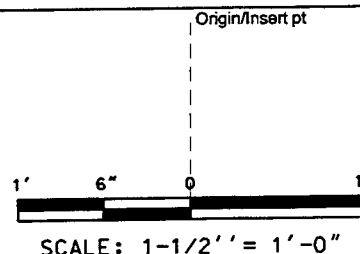
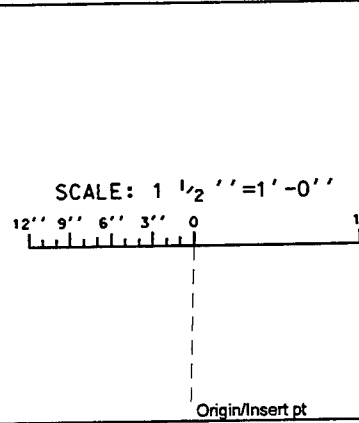
1 General Lines Library

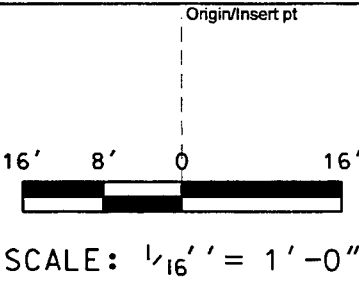
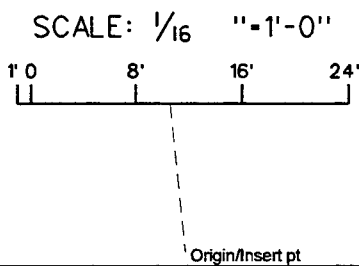
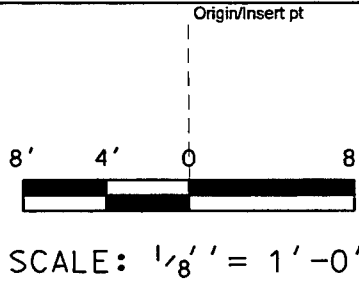
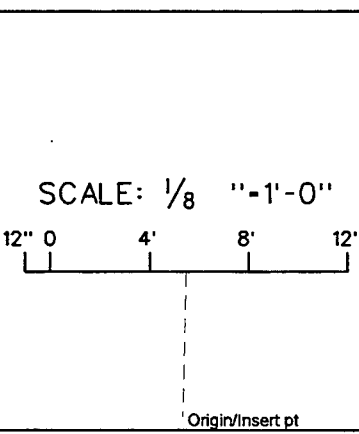
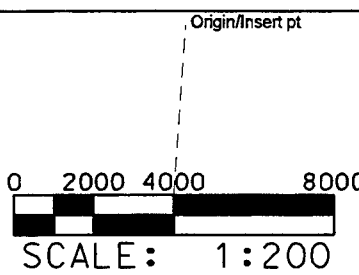
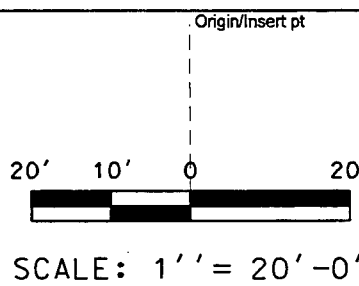
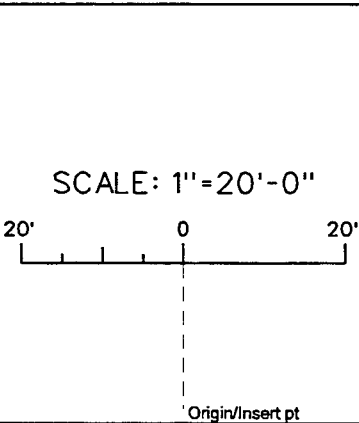
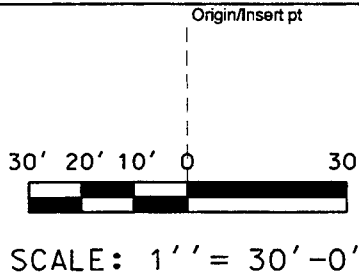
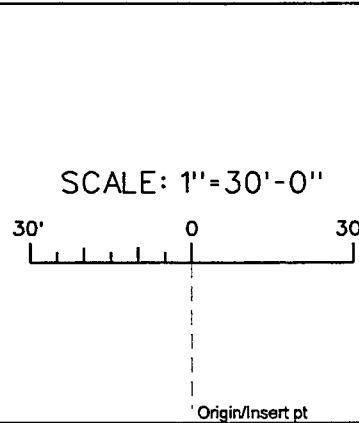


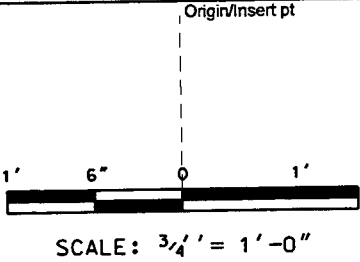
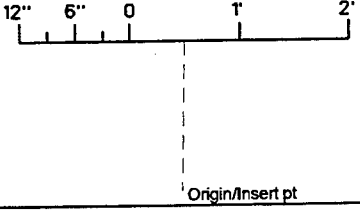
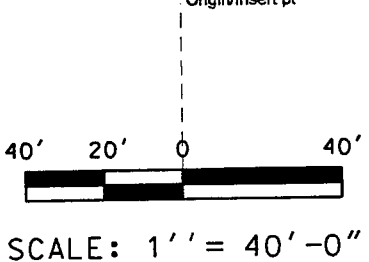
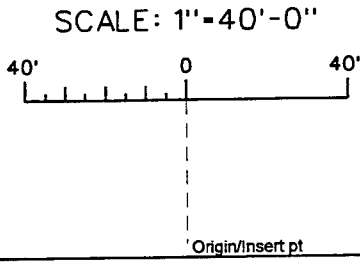
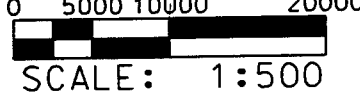
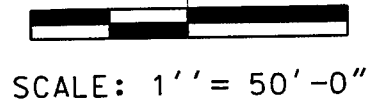
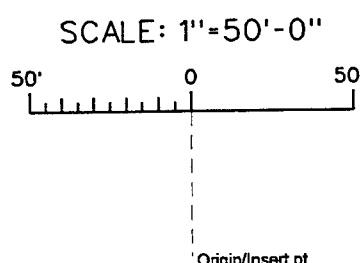
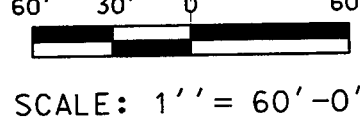
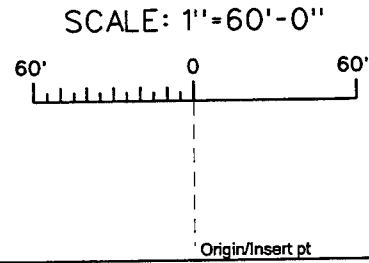
1 General Symbols Library

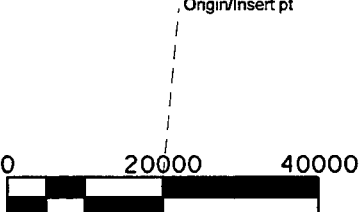
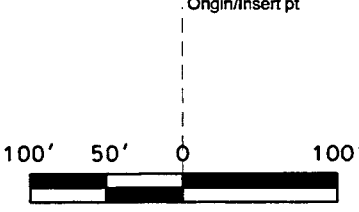
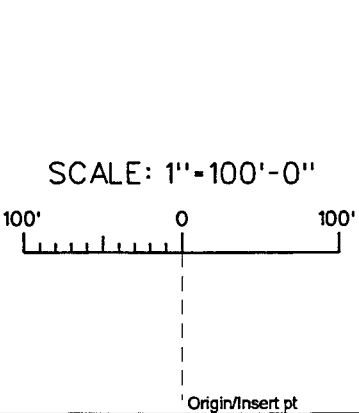
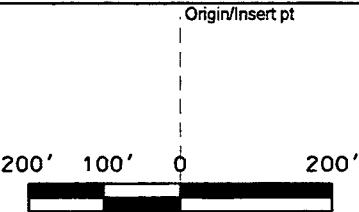
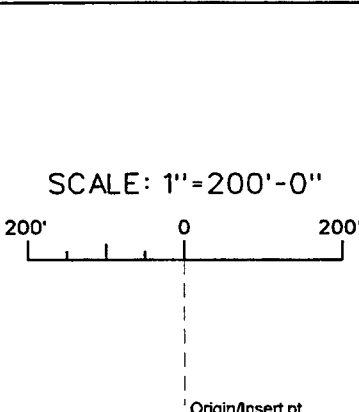
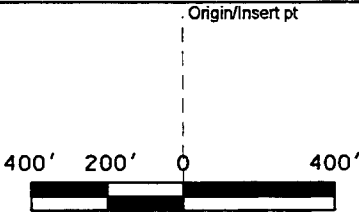
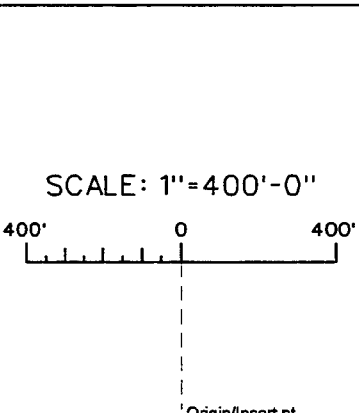
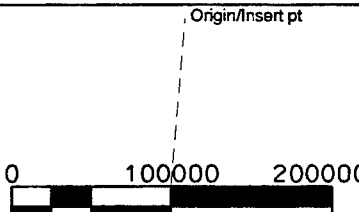
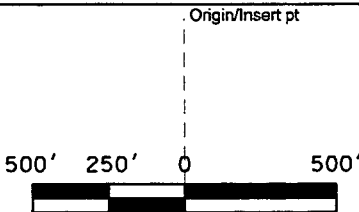
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General: BREAK BREAK LINE SYMBOL Element type: Symbol	General: CNTLIN CENTERLINE SYMBOL Element type: Symbol	General: COLLIN COLUMN LINE GRID INDICATOR Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
General: DBLARR DOUBLE ARROW TERMINATOR Element type: Symbol	General: DTLIND DETAIL INDICATOR Element type: Symbol	General: KEYIND KEYNOTE INDICATOR Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
General: MAGNOR MAGNETIC NORTH ARROW Element type: Symbol	General: MATIND MATCH LINE INDICATOR Element type: Symbol	General: NORIND NORTH INDICATOR Element type: Symbol

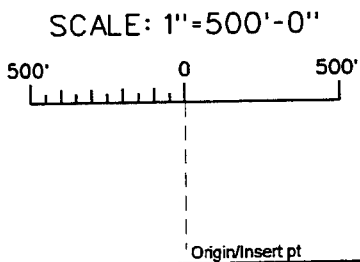
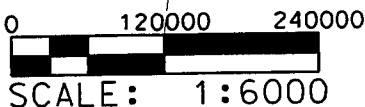
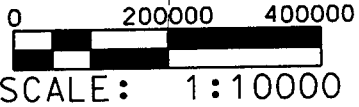
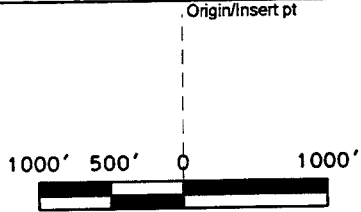
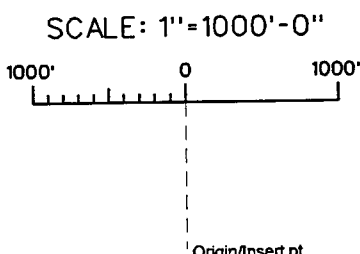
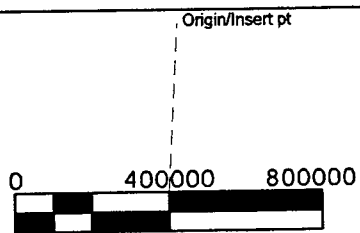
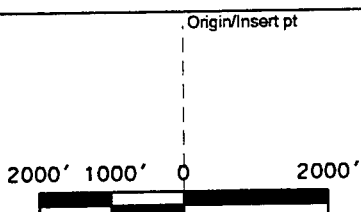
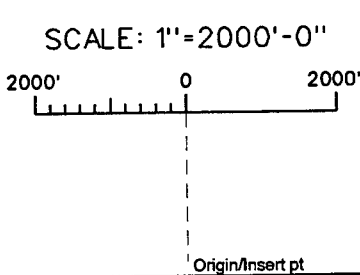
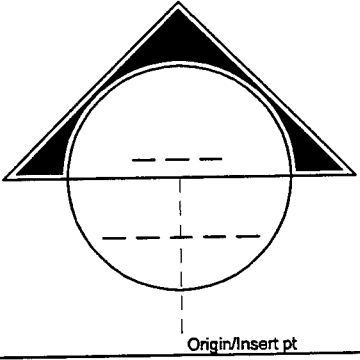
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
General:NOTIND NOTE INDICATOR Element type: Symbol	General:REVIND REVISION INDICATOR Element type: Symbol	General:S00005 SCALE 1 EQ 5 Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
General:S00010 SCALE 1 EQ 10 Element type: Symbol	General:S0001B SCALE 1IN EQ 1FT Element type: Symbol	General:S0001G SCALE 1IN EQ 1FT Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
General:S00020 SCALE 1 EQ 20 Element type: Symbol	General:S0003B SCALE 3IN EQ 1FT Element type: Symbol	General:S0003G SCALE 3IN EQ 1FT Element type: Symbol

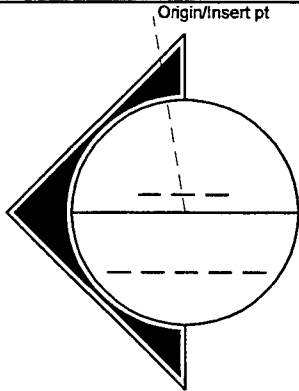
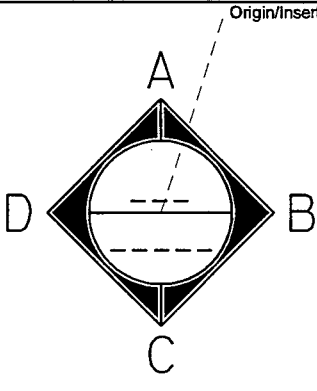
 SCALE: 1:50	 SCALE: 1' = 1'	 SCALE: 1:100
General:S00050 SCALE 1 EQ 50 Element type: Symbol	General:S000B SCALE FULL Element type: Symbol	General:S00100 SCALE 1 EQ 100 Element type: Symbol
 SCALE: 1/2' = 1'-0"	 SCALE: 1/2' = 1'-0"	 SCALE: 1/4' = 1'-0"
General:S0012B SCALE 0.5IN EQ 1FT Element type: Symbol	General:S0012G SCALE 0.5IN EQ 1FT Element type: Symbol	General:S0014B SCALE 0.25IN EQ 1FT Element type: Symbol
 SCALE: 1/4' = 1'-0"	 SCALE: 1-1/2' = 1'-0"	 SCALE: 1-1/2' = 1'-0"
General:S0014G SCALE 0.25IN EQ 1FT Element type: Symbol	General:S0015B SCALE 1.5IN EQ 1FT Element type: Symbol	General:S0015G SCALE 1.5IN EQ 1FT Element type: Symbol

 Origin/Insert pt 16' 8' 0 16' SCALE: $\frac{1}{16}" = 1'-0"$	 SCALE: $\frac{1}{16}" = 1'-0"$ 1' 0 8' 16' 24' Origin/Insert pt	 Origin/Insert pt 8' 4' 0 8' SCALE: $\frac{1}{8}" = 1'-0"$
General:S0016B SCALE ONE 16TH IN EQ 1FT Element type: Symbol	General:S0016G SCALE ONE 16TH IN EQ 1FT Element type: Symbol	General:S0018B SCALE ONE 8TH IN EQ 1FT Element type: Symbol
 SCALE: $\frac{1}{8}" = 1'-0"$ 12" 0 4' 8' 12' Origin/Insert pt	 Origin/Insert pt 0 2000 4000 8000 SCALE: 1:200	 Origin/Insert pt 20' 10' 0 20' SCALE: 1" = 20'-0"
General:S0018G SCALE ONE 8TH IN EQ 1FT Element type: Symbol	General:S0020G SCALE 1 EQ 200 Element type: Symbol	General:S0020B SCALE 1IN EQ 20FT Element type: Symbol
 SCALE: 1" = 20'-0" 20' 0 20' Origin/Insert pt	 Origin/Insert pt 30' 20' 10' 0 30' SCALE: 1" = 30'-0"	 SCALE: 1" = 30'-0" 30' 0 30' Origin/Insert pt
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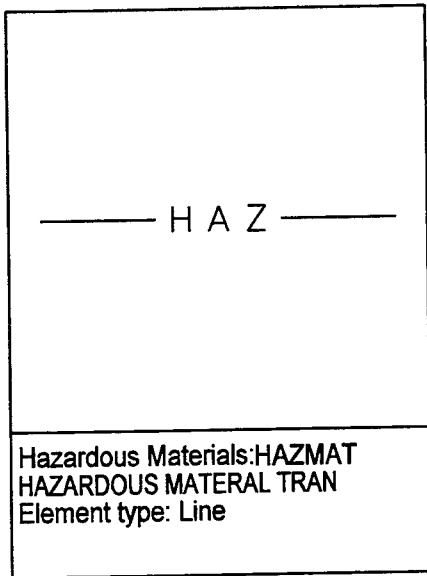
 Origin/Insert pt SCALE: $\frac{3}{4}$" = 1'-0"	 Origin/Insert pt SCALE: $\frac{3}{4}$" = 1'-0"	 Origin/Insert pt SCALE: 1" = 40'-0"
General:S0034B SCALE 0.75IN EQ 1FT Element type: Symbol	General:S0034G SCALE 0.75IN EQ 1FT Element type: Symbol	General:S0040B SCALE 1IN EQ 40FT Element type: Symbol
 Origin/Insert pt SCALE: 1" = 40'-0"	 Origin/Insert pt SCALE: 1" = 500'-0"	 Origin/Insert pt SCALE: 1" = 50'-0"
General:S0040G SCALE 1IN EQ 40FT Element type: Symbol	General:S00500 SCALE 1 EQ 500 Element type: Symbol	General:S0050B SCALE 1IN EQ 50FT Element type: Symbol
 Origin/Insert pt SCALE: 1" = 50'-0"	 Origin/Insert pt SCALE: 1" = 60'-0"	 Origin/Insert pt SCALE: 1" = 60'-0"
General:S0050G SCALE 1IN EQ 50FT Element type: Symbol	General:S0060B SCALE 1IN EQ 60FT Element type: Symbol	General:S0060G SCALE 1IN EQ 60FT Element type: Symbol

 SCALE: 1:1000	 SCALE: 1' = 100'-0"	 SCALE: 1' = 100'-0"
General:S01000 SCALE 1 EQ 1000 Element type: Symbol	General:S0100B SCALE 1IN EQ 100FT Element type: Symbol	General:S0100G SCALE 1IN EQ 100FT Element type: Symbol
 SCALE: 1' = 200'-0"	 SCALE: 1' = 200'-0"	 SCALE: 1' = 400'-0"
General:S0200B SCALE 1IN EQ 200FT Element type: Symbol	General:S0200G SCALE 1IN EQ 200FT Element type: Symbol	General:S0400B SCALE 1IN EQ 400FT Element type: Symbol
 SCALE: 1' = 400'-0"	 SCALE: 1:5000	 SCALE: 1' = 500'-0"
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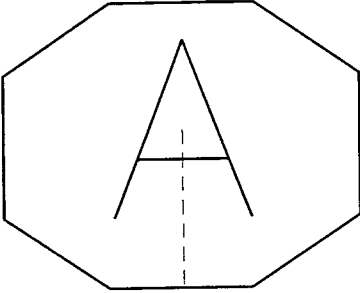
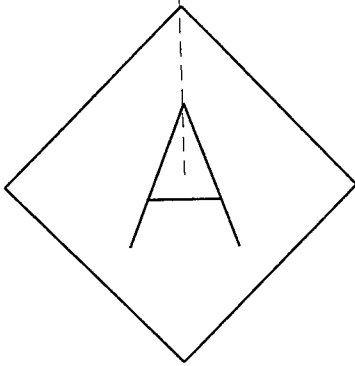
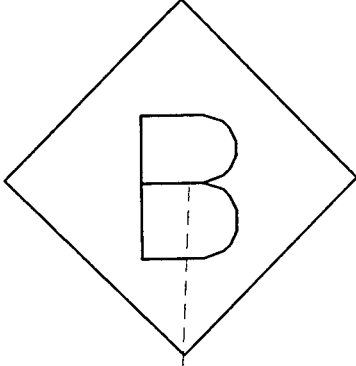
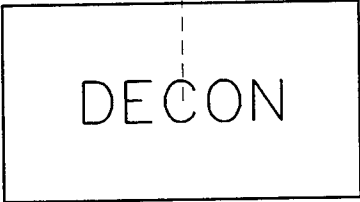
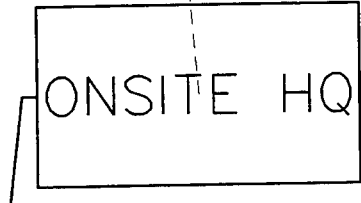
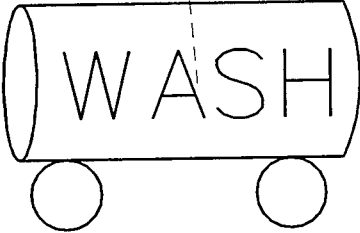
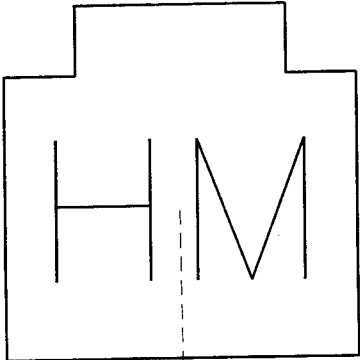
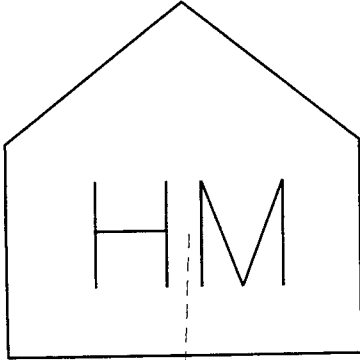
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General:S0500G SCALE 1IN EQ 500FT Element type: Symbol	General:S06000 SCALE 1 EQ 6000 Element type: Symbol	General:S10000 SCALE 1 EQ 10000 Element type: Symbol
 SCALE: 1' = 1000'-0"	 SCALE: 1"=1000'-0"	 SCALE: 1:20000
General:S1000B SCALE 1IN EQ 1000FT Element type: Symbol	General:S1000G SCALE 1IN EQ 1000FT Element type: Symbol	General:S20000 SCALE 1 EQ 20000 Element type: Symbol
 SCALE: 1' = 2000'-0"	 SCALE: 1"=2000'-0"	
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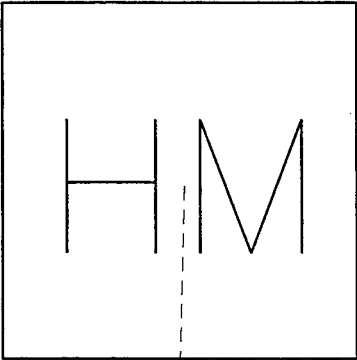
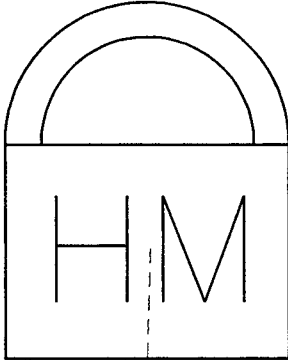
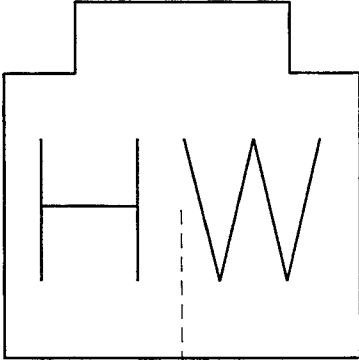
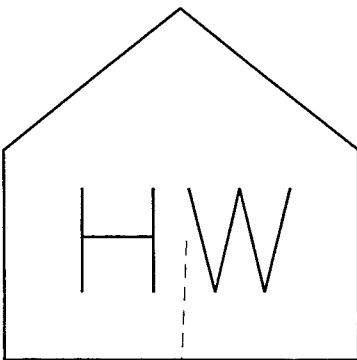
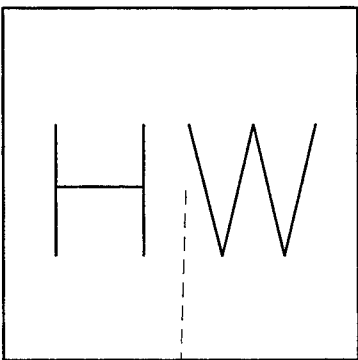
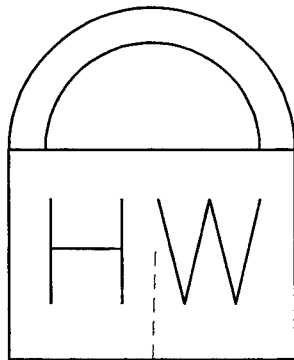
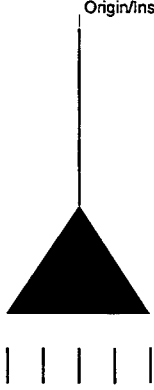
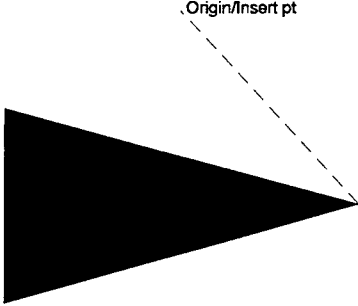
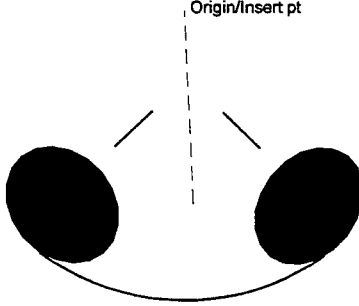
	
General:SECIN2 SECTION ELEVATION INDICATOR Element type: Symbol	General:SECIN3 SECTION ELEVATION INDICATOR Element type: Symbol

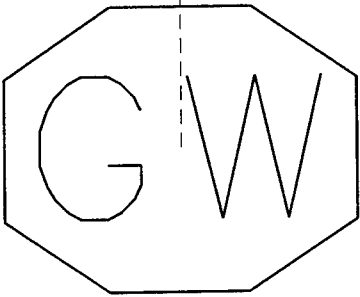
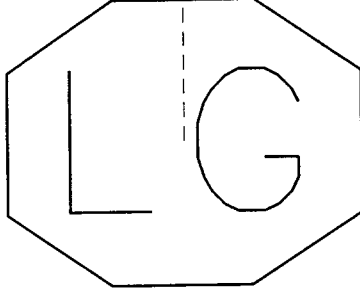
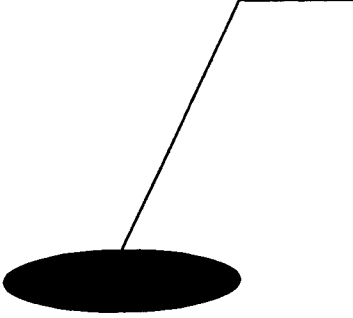
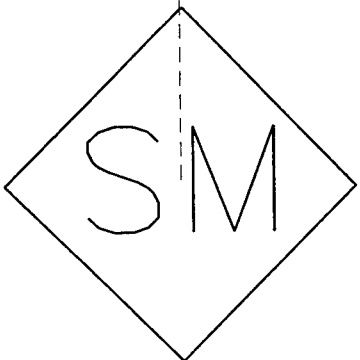
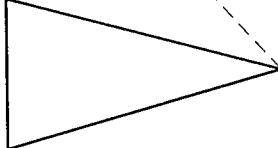
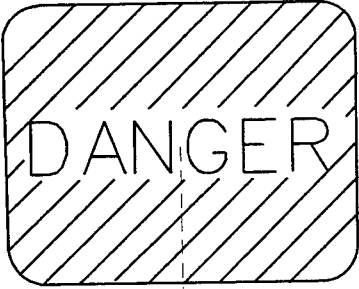
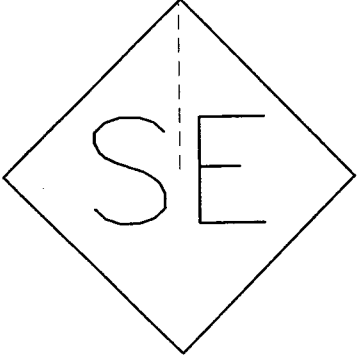
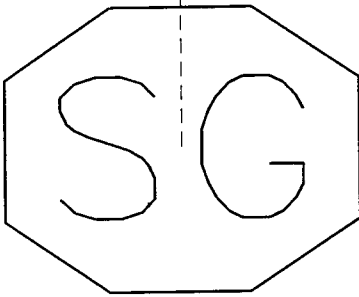
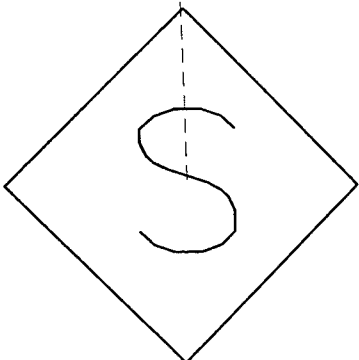
2 Hazardous Materials Lines Library

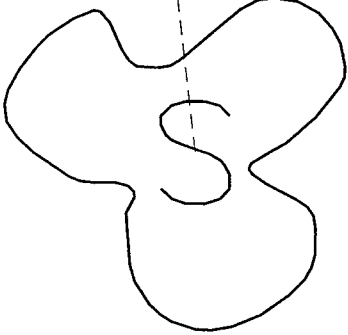
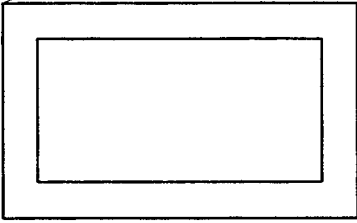
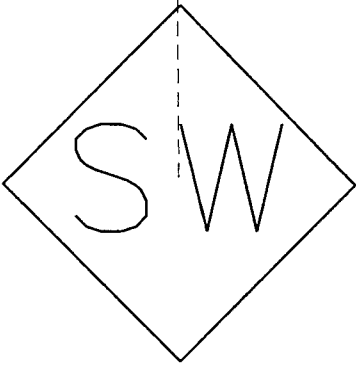
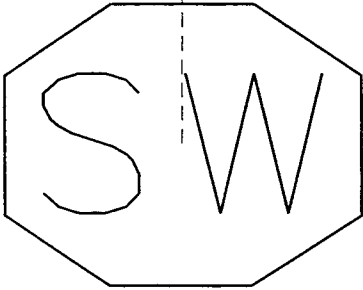
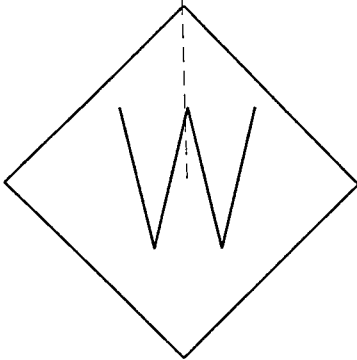
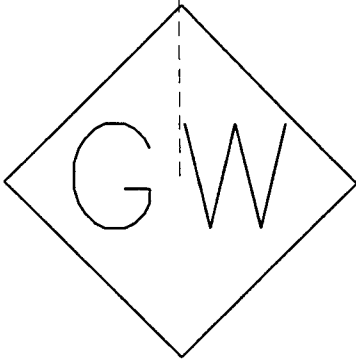


2 Hazardous Materials Symbols Library

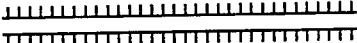
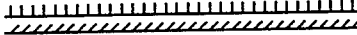
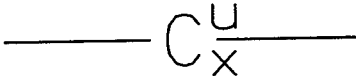
		
Hazardous Materials: AIRQST AIR QUALITY MON STA Element type: Symbol	Hazardous Materials: AIRSMP AIR SAMPLE LOCATION Element type: Symbol	Hazardous Materials: BIOSMP BIOLOGICAL SAMPLE LOC Element type: Symbol
		
Hazardous Materials: EGDECN EQUIPMENT DECON Element type: Symbol	Hazardous Materials: EGONST ONSITE COMMAND POST Element type: Symbol	Hazardous Materials: EGSITE SITE INFORMATION CENTER Element type: Symbol
		
Hazardous Materials: EGWASH WASHDOWN WATER TANK Element type: Symbol	Hazardous Materials: EHZMSA HAZMAT STOR LOCATION Element type: Symbol	Hazardous Materials: EHZMSB HAZMAT STOR BLDG Element type: Symbol

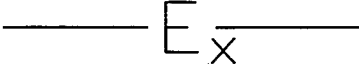
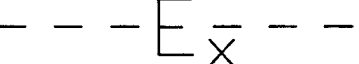
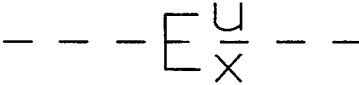
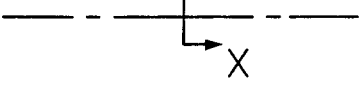
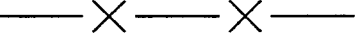
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Hazardous Materials: EHZWSB HAZWASTE STOR BLDG Element type: Symbol	Hazardous Materials: EHZWSR HAZWASTE STOR ROOM Element type: Symbol	Hazardous Materials: EHZWSV HAZWASTE STOR VAULT Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Hazardous Materials: EMGSHW EMERGENCY SHOWER Element type: Symbol	Hazardous Materials: EPOLLS POLLUTION SOURCE SITE Element type: Symbol	Hazardous Materials: EYEWAS EMERGENCY EYEWASH Element type: Symbol

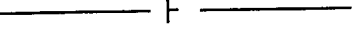
		
Hazardous Materials:GWTQST GRDWTR QUALITY MON STATION Element type: Symbol	Hazardous Materials:LANGAS LANDFILL GAS MON PROBE Element type: Symbol	Hazardous Materials:MAGLOC MAGNETOMETER DET LOC Element type: Symbol
		
Hazardous Materials:MATSMP SOLID MAT SAMPLE LOC Element type: Symbol	Hazardous Materials:PRLOC POTENTIAL RELEASE LOC Element type: Symbol	Hazardous Materials:RESTR RESTRICTED ACCESS Element type: Symbol
		
Hazardous Materials:SEDSMP SEDIMENT SAMPLE LOC Element type: Symbol	Hazardous Materials:SOLGAS SOIL GAS MONIT PROBE Element type: Symbol	Hazardous Materials:SOLSMP SOIL SAMPLE LOCATION Element type: Symbol

		
Hazardous Materials:SPLRES SPILL RESPONSE Element type: Symbol	Hazardous Materials:SPLTNK SPILL CONTAINMENT TANK Element type: Symbol	Hazardous Materials:SURSMP SURFACE WTR SAMPLE LOC Element type: Symbol
		
Hazardous Materials:SWTQST SURF WTR QUAL MON STATION Element type: Symbol	Hazardous Materials:WASSMP WASTE SAMPLE LOCATION Element type: Symbol	Hazardous Materials:WATSMP GROUNDWATER SAMPLE LOC Element type: Symbol

3 Survey/Mapping Lines Library

		
Survey/Mapping: 16THLN SIXTEENTH LINE Element type: Line	Survey/Mapping: BARDIT DITCH BARRIER Element type: Line	Survey/Mapping: BARDTB DITCH AND BERM BARRIER Element type: Line
		
Survey/Mapping: BARGEN GENERIC SECURITY BARRIER Element type: Line	Survey/Mapping: BARMAS SECURITY MASONRY BARRIER Element type: Line	Survey/Mapping: CMP12 CMP 12IN DIA LINEAR Element type: Line
		
Survey/Mapping: CMPU12 CMPU 12IN DIA LINEAR Element type: Line	Survey/Mapping: COMARX EXIST COMMUNICATION AERIAL Element type: Line	Survey/Mapping: COMUGX EXIST COMMUNICATION UNDERG Element type: Line

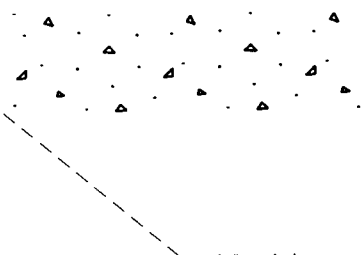
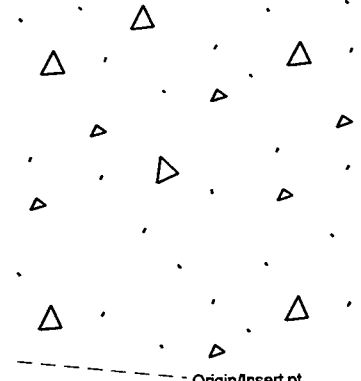
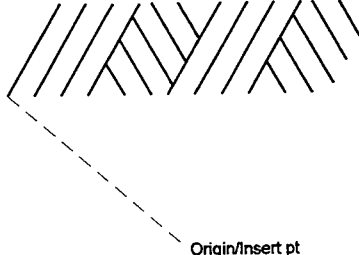
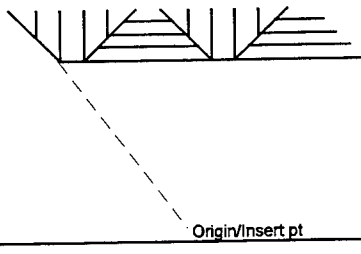
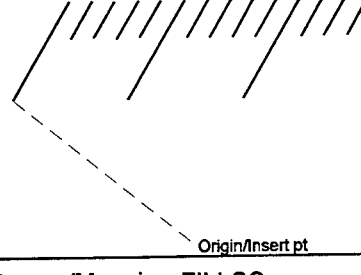
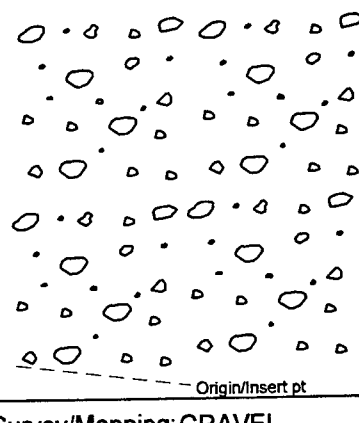
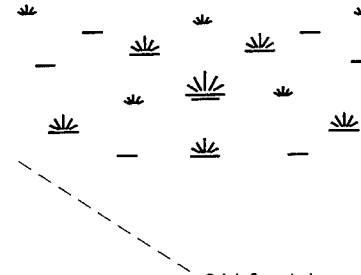
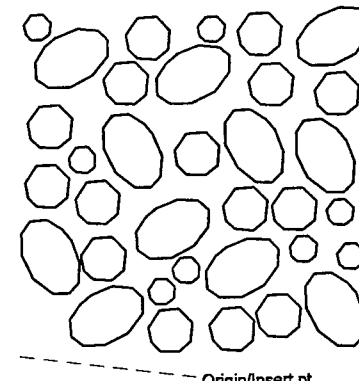
		
Survey/Mapping: CONLMT CONSTRUCTION LIMIT Element type: Line	Survey/Mapping: CULVRT CULVERT PIPE Element type: Line	Survey/Mapping: DITCH DITCH LINE Element type: Line
		
Survey/Mapping: EPARX EXIST ELEC AERIAL PRIMARY Element type: Line	Survey/Mapping: EPUGX EXIST ELEC UNDERG PRIMARY Element type: Line	Survey/Mapping: ESARX EXIST ELEC AERIAL SEC Element type: Line
		
Survey/Mapping: ESUGX EXIST ELEC UNDERG SEC Element type: Line	Survey/Mapping: EUDUCX EXIST UNDERGROUND DUCT BANK Element type: Line	Survey/Mapping: FENCE FENCE Element type: Line

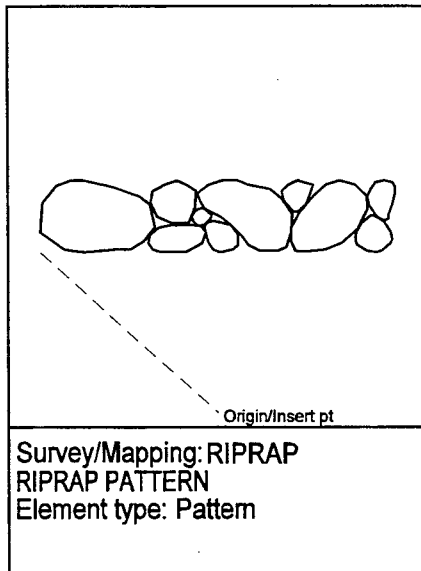
		
Survey/Mapping: FIBOPT FIBER OPTICS LINE Element type: Line	Survey/Mapping: FIRE FIRE PROTECTION WATR SUPPLY Element type: Line	Survey/Mapping: FUELOR FUEL OIL RETURN Element type: Line
		
Survey/Mapping: FUELOS FUEL OIL SUPPLY Element type: Line	Survey/Mapping: FUELOV FUEL OIL TANK VENT Element type: Line	Survey/Mapping: GUARD GUARD RAIL Element type: Line
		
Survey/Mapping: INDXDC INDEX DEPTH CONTOUR Element type: Line	Survey/Mapping: IWASTE INDUSTRIAL WASTE Element type: Line	Survey/Mapping: LIQPET LIQUID PETROLEUM GAS Element type: Line

		
Survey/Mapping: MINRDC MINOR DEPTH CONTOUR Element type: Line	Survey/Mapping: NONPOT NONPOTABLE WATER Element type: Line	Survey/Mapping: NTGASX EXISTING NATURAL GAS Element type: Line
		
Survey/Mapping: PROJBL PROJECT BOUNDARY LINE Element type: Line	Survey/Mapping: PROPL PROPERTY LINE Element type: Line	Survey/Mapping: RAILS SINGLE RAILROAD Element type: Line
		
Survey/Mapping: RTOFWY RIGHT OF WAY Element type: Line	Survey/Mapping: SSWAFX EXISTING SANITARY SEWER Element type: Line	Survey/Mapping: STRAFX EXISTING STORM DRAIN Element type: Line

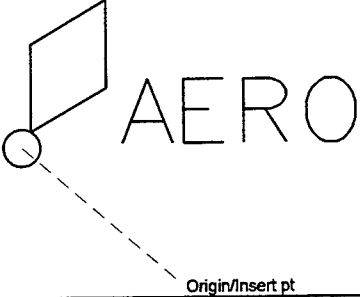
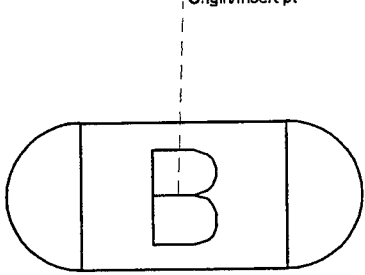
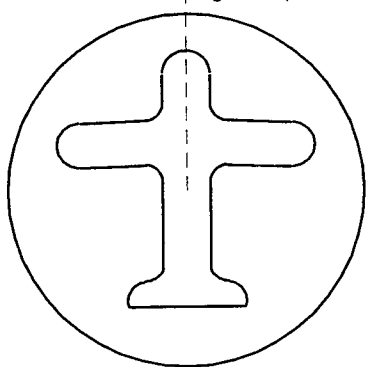
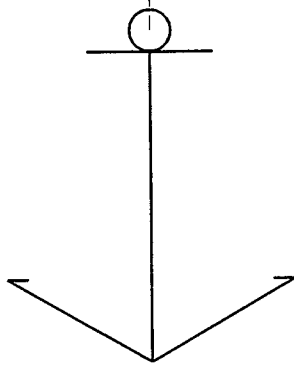
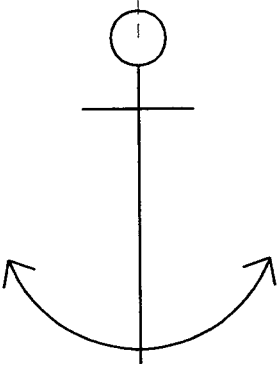
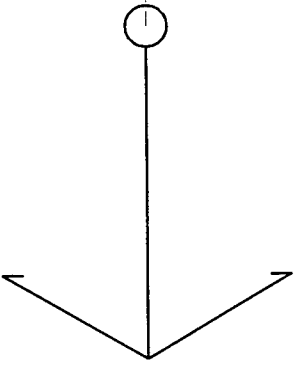
	
Survey/Mapping: TREEL TREE LINE Element type: Line	Survey/Mapping: WATRX EXISTING WATER LINE Element type: Line

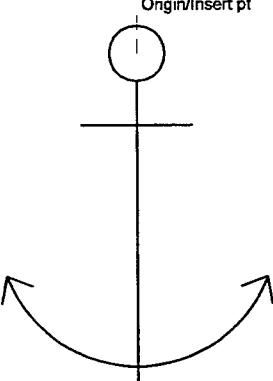
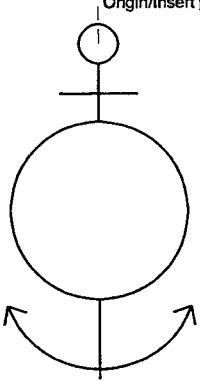
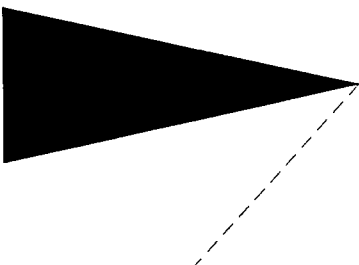
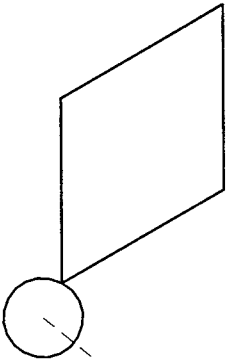
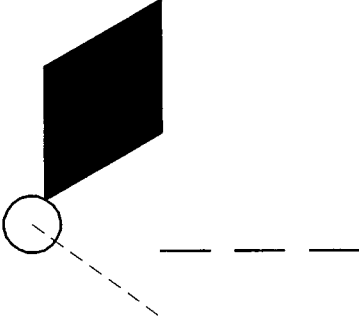
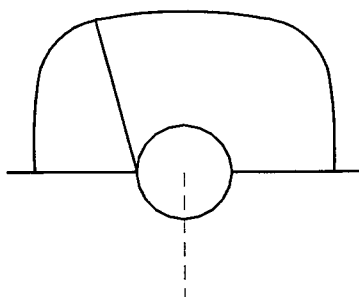
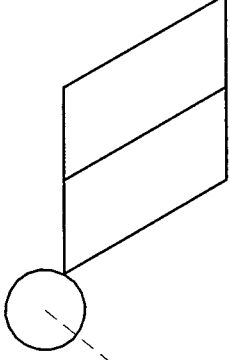
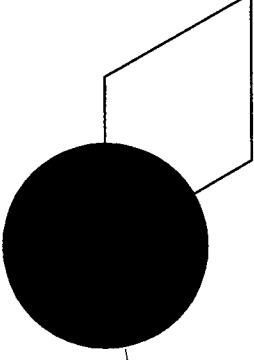
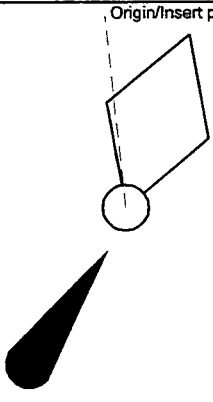
3 Survey/Mapping Patterns Library

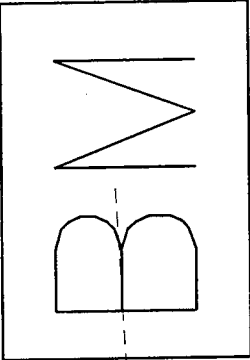
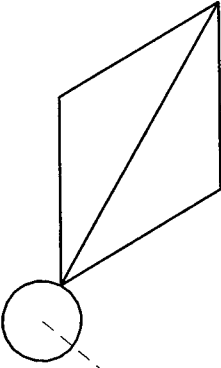
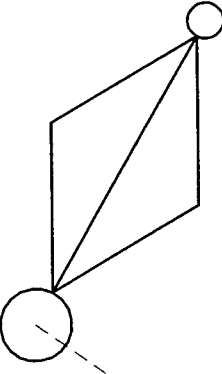
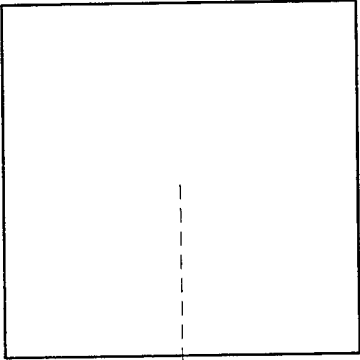
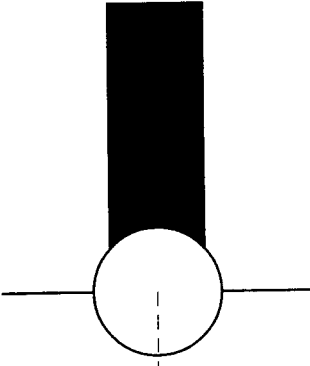
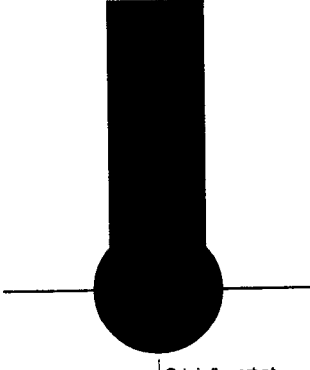
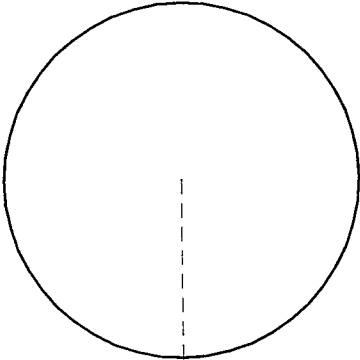
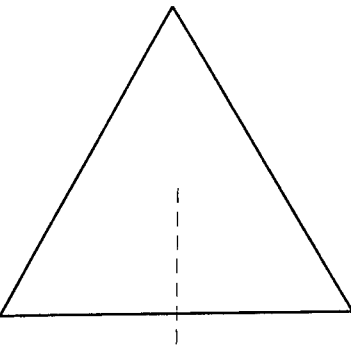
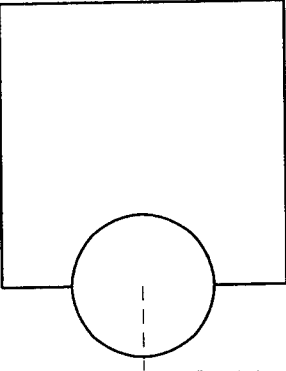
		
Survey/Mapping: CONC CONCRETE Element type: Pattern	Survey/Mapping: CONCAST CONCRETE STONE Element type: Pattern	Survey/Mapping: EEARTH EXISTING EARTH Element type: Pattern
		
Survey/Mapping: EROCK EXISTING ROCK Element type: Pattern	Survey/Mapping: FILLSC FILL SECTION Element type: Pattern	Survey/Mapping: GRAVEL GRAVEL Element type: Pattern
		
Survey/Mapping: GROUT GROUT Element type: Pattern	Survey/Mapping: LSWAMP LARGE SWAMP Element type: Pattern	Survey/Mapping: POROUS POROUS Element type: Pattern

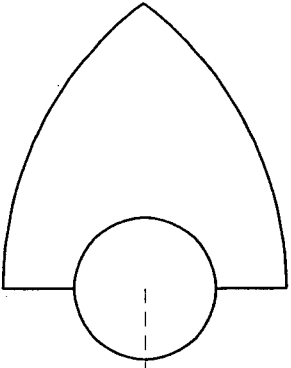
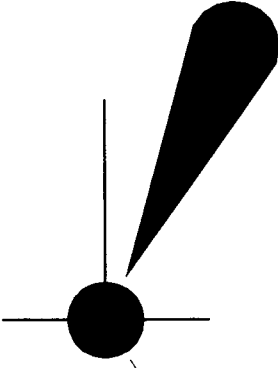
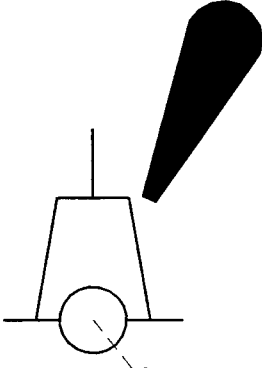
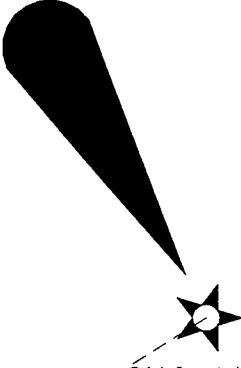
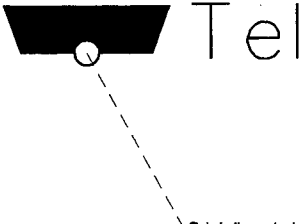
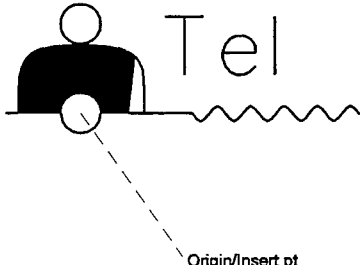
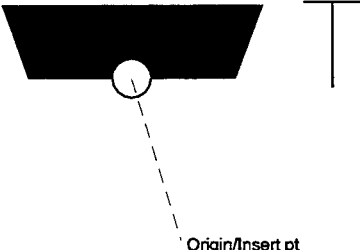
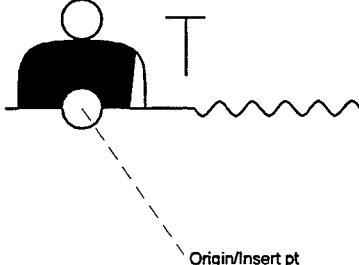


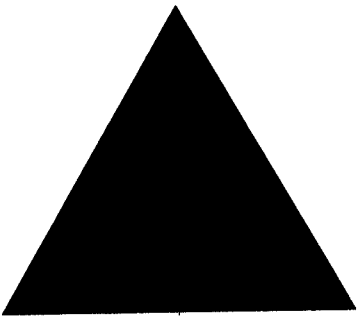
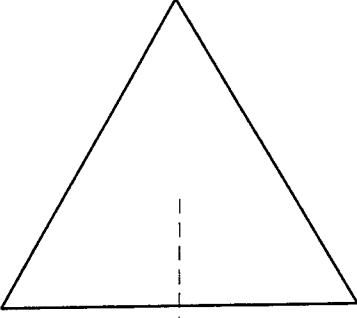
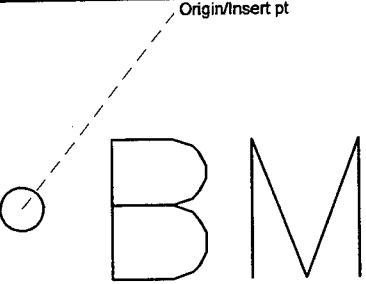
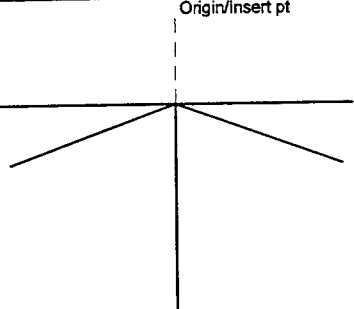
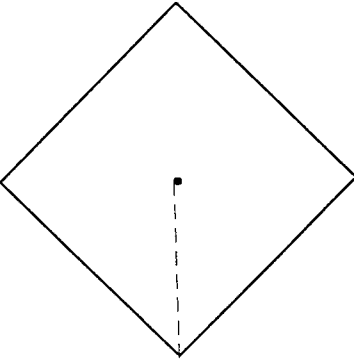
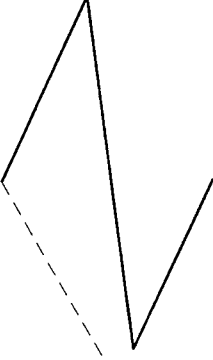
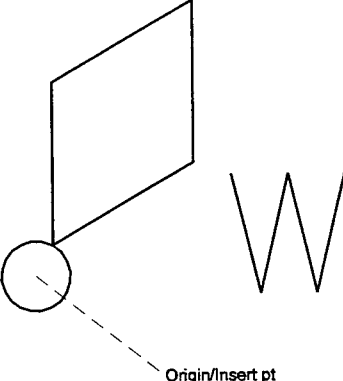
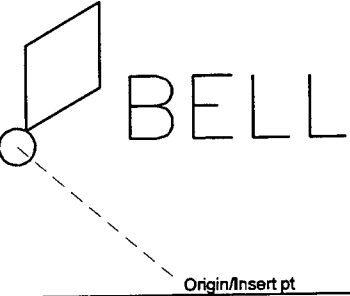
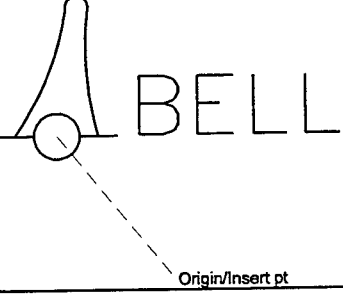
3 Survey/Mapping Symbols Library

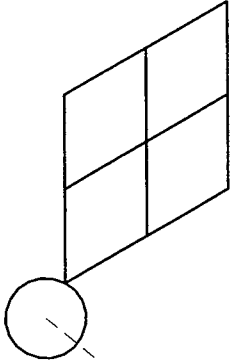
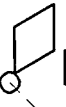
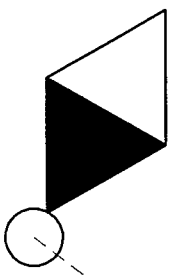
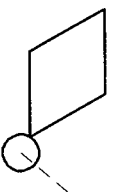
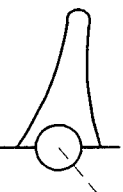
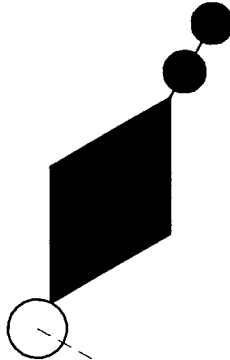
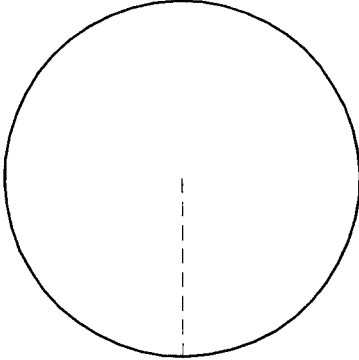
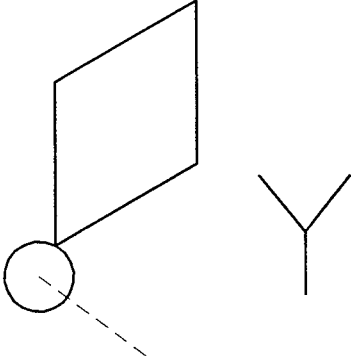
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Survey/Mapping: ACLLEL APPROACH LIGHTBAR_ELEVATED Element type: Symbol	Survey/Mapping: ACLLSF APPROACH LIGHTBAR_SEMIFLUSH Element type: Symbol	Survey/Mapping: AERO SEAPLANE ANCHORAGE BUOY Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: AFBCN AIRFIELD BEACON Element type: Symbol	Survey/Mapping: AIRFLD AIRFIELD SYMBOL Element type: Symbol	Survey/Mapping: ANCHR1 ANCHORAGE LARGE VESSEL Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: ANCHR2 ANCHORAGE LARGE VESSEL Element type: Symbol	Survey/Mapping: ANCHR3 ANCHORAGE SMALL VESSEL Element type: Symbol	Survey/Mapping: ANCHR4 ANCHORAGE SMALL VESSEL Element type: Symbol

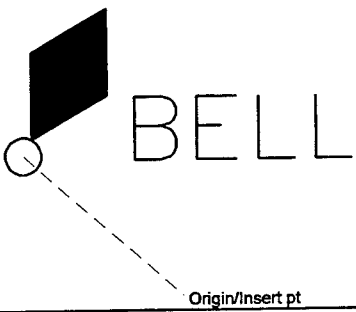
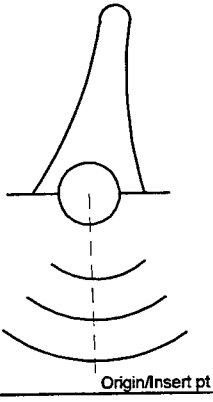
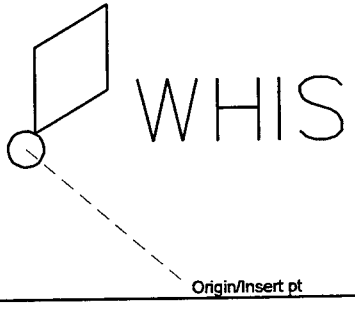
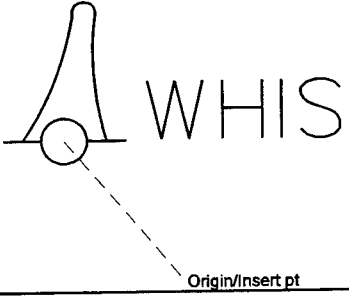
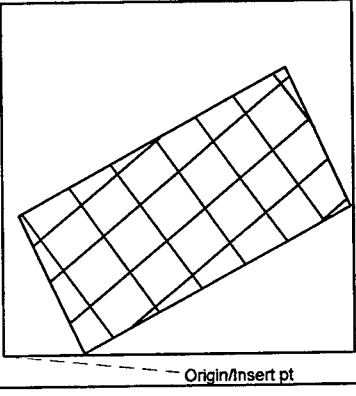
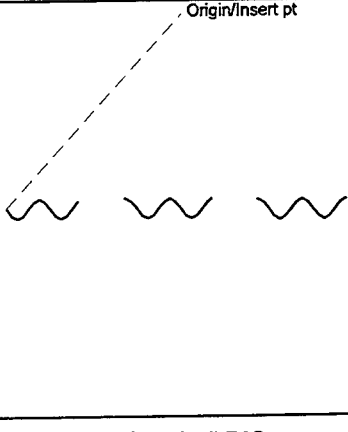
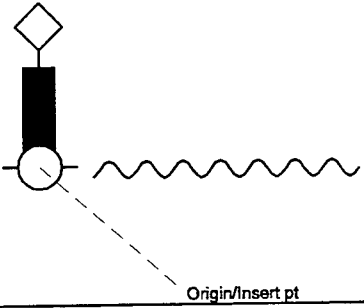
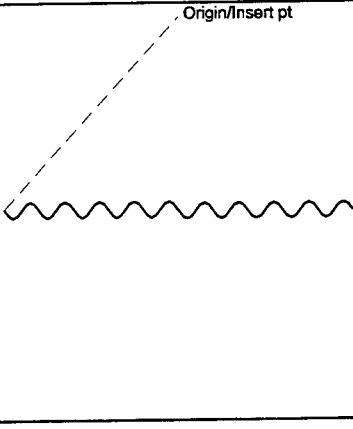
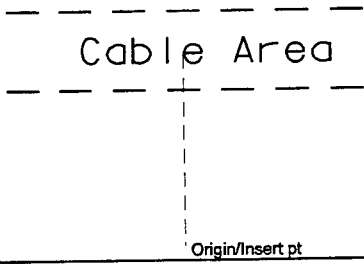
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Survey/Mapping: BAR1 BARREL BUOY Element type: Symbol	Survey/Mapping: BAR1C BARREL BUOY INDICATE COLOR Element type: Symbol	Survey/Mapping: BAR2 BARREL BUOY Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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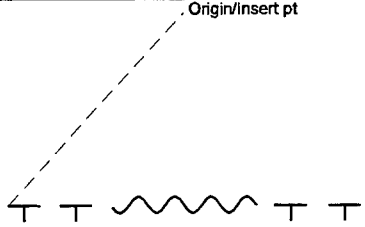
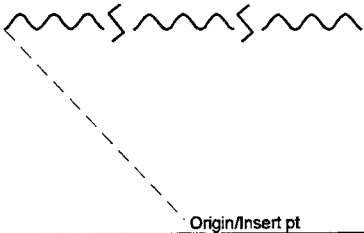
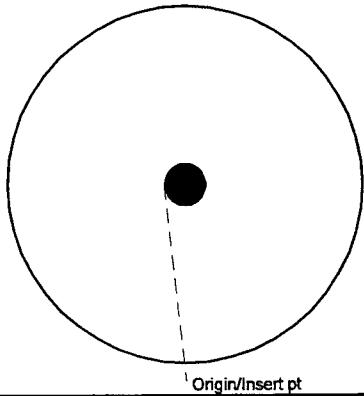
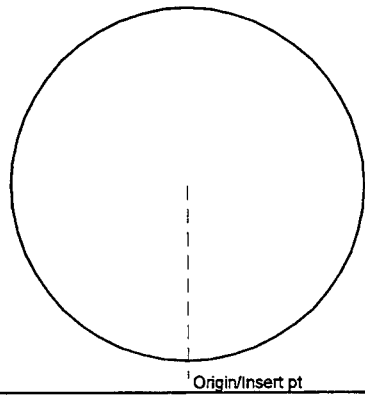
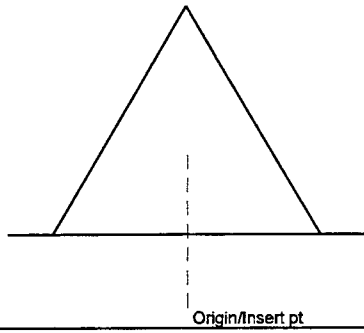
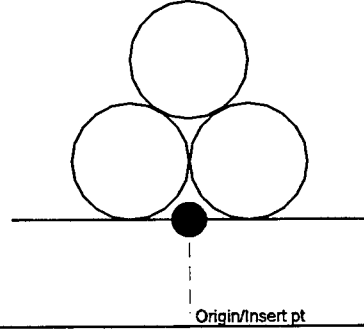
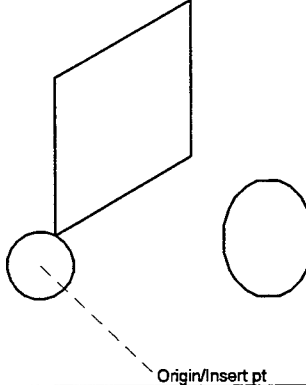
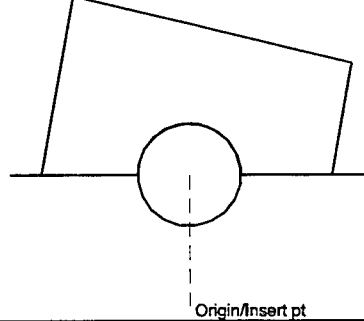
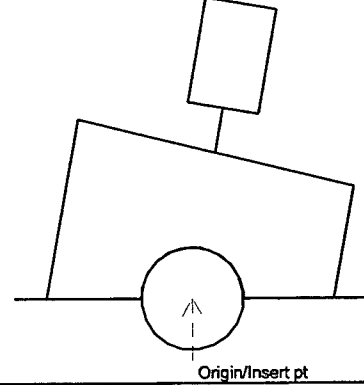
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 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: BCN1 GENERAL BEACON Element type: Symbol	Survey/Mapping: BCN2 GENERAL BEACON Element type: Symbol	Survey/Mapping: BCN3 GENERAL BEACON Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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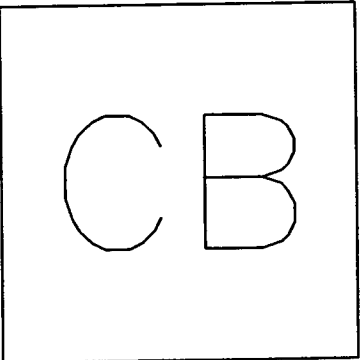
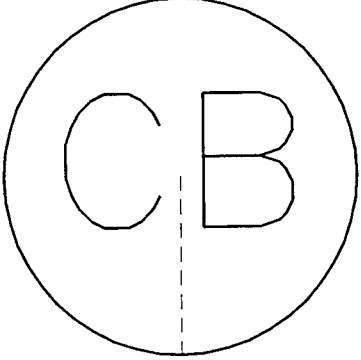
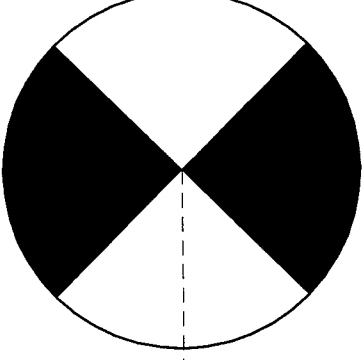
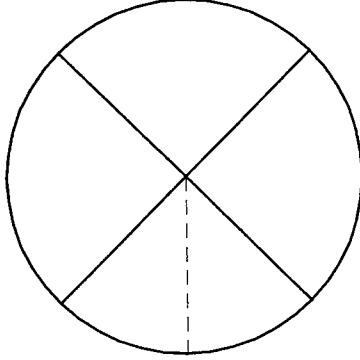
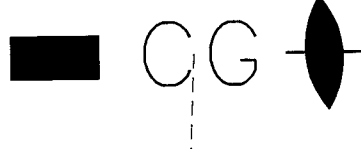
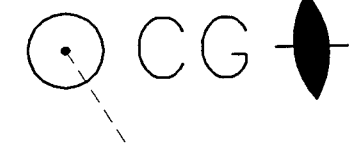
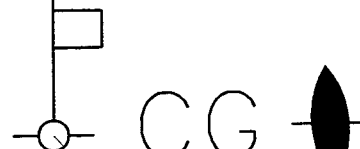
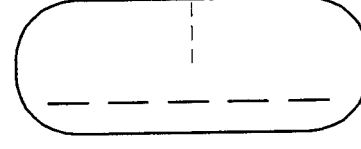
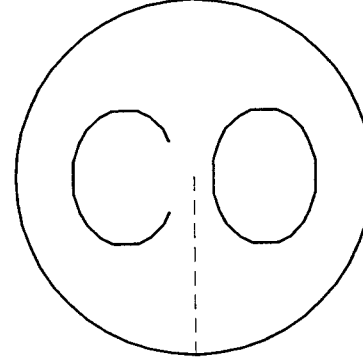
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Survey/Mapping: BCNBY2 BUOYANT BEACON Element type: Symbol	Survey/Mapping: BCNLT1 LIGHTED BEACON Element type: Symbol	Survey/Mapping: BCNLT2 LIGHTED BEACON Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: BCNLT3 LIGHTED BEACON Element type: Symbol	Survey/Mapping: BCNRES RESILIENT BEACON Element type: Symbol	Survey/Mapping: BCNTG1 TELEGRAPHIC MOORING BEACON Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: BCNTG2 TELEGRAPHIC MOORING BEACON Element type: Symbol	Survey/Mapping: BCNTP1 TELEPHONIC MOORING BEACON Element type: Symbol	Survey/Mapping: BCNTP2 TELEPHONIC MOORING BEACON Element type: Symbol

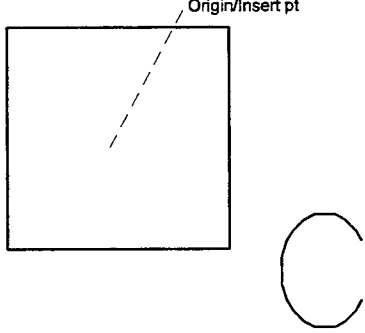
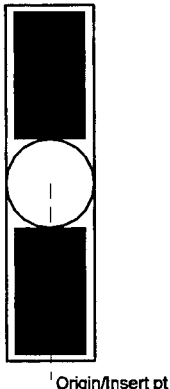
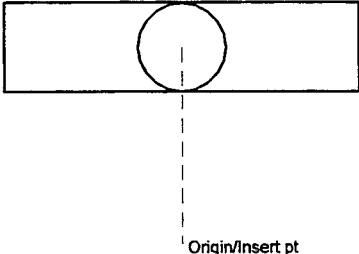
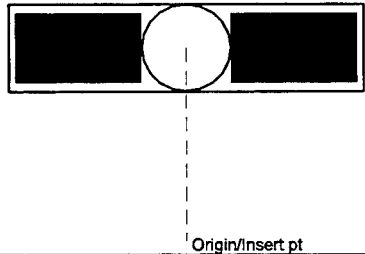
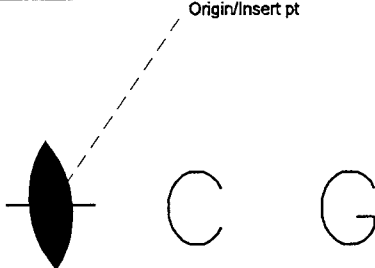
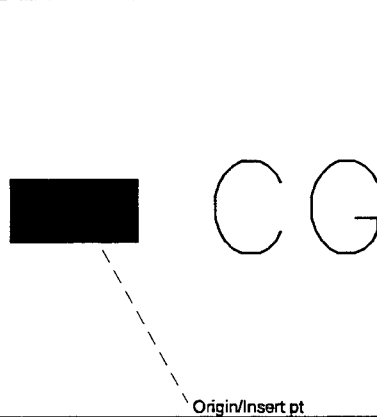
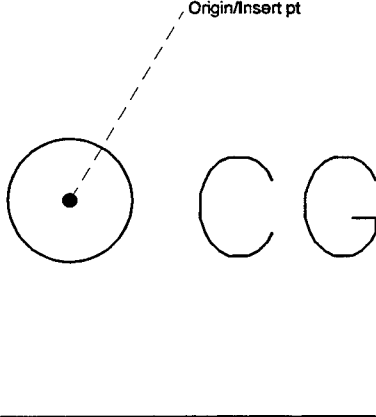
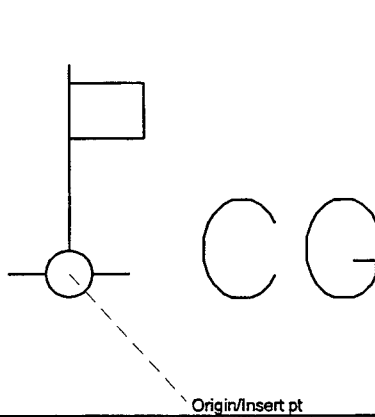
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 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: BMALT BENCH MARK ALTERNATE Element type: Symbol	Survey/Mapping: BNDMRK BOUNDARY MARK Element type: Symbol	Survey/Mapping: BREAK BREAK LINE SYMBOL Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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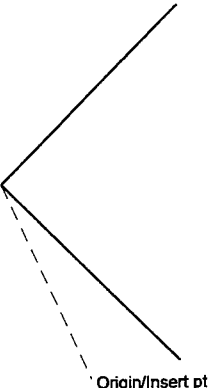
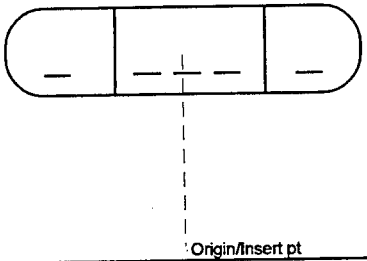
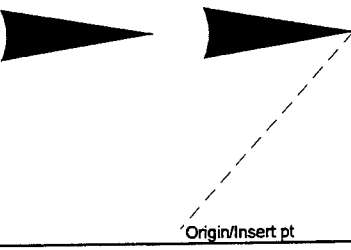
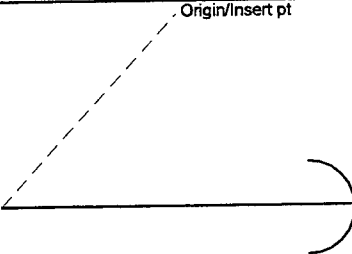
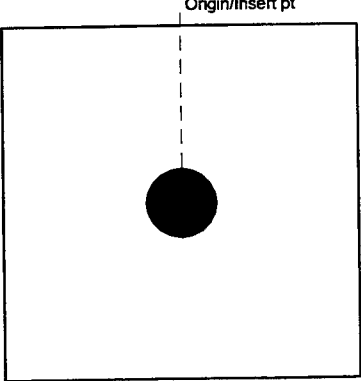
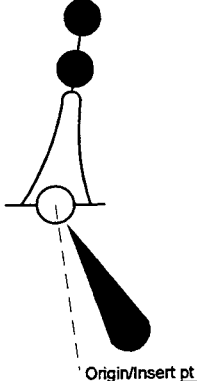
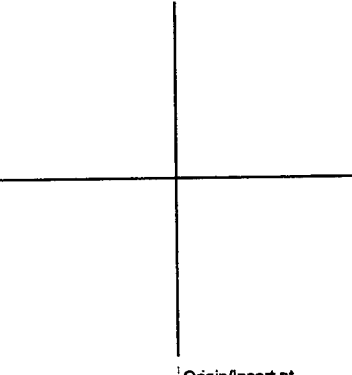
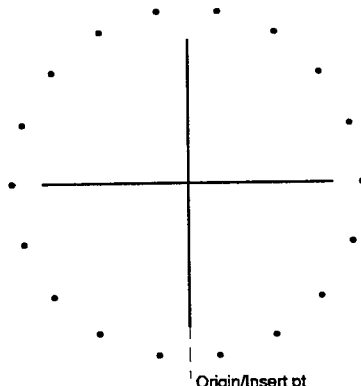
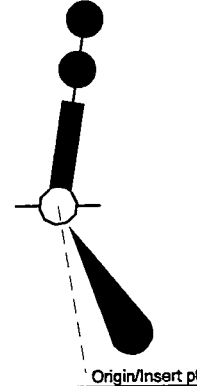
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 BW Origin/Insert pt	 GONG Origin/Insert pt	 GONG Origin/Insert pt
Survey/Mapping: BYFISH FISH TRAP BUOY Element type: Symbol	Survey/Mapping: BYGONB GONG BARREL BUOY Element type: Symbol	Survey/Mapping: BYGONP GONG PILLAR BUOY Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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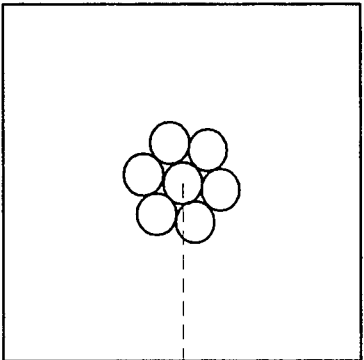
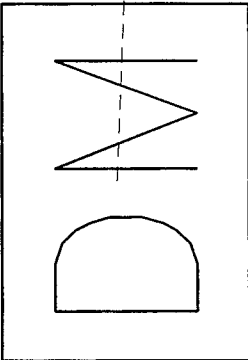
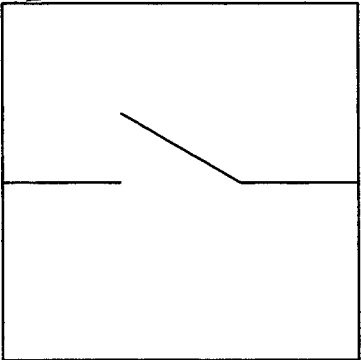
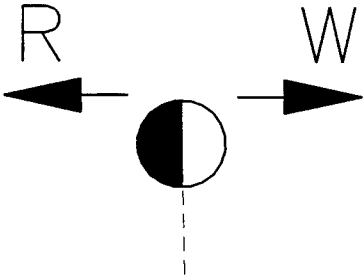
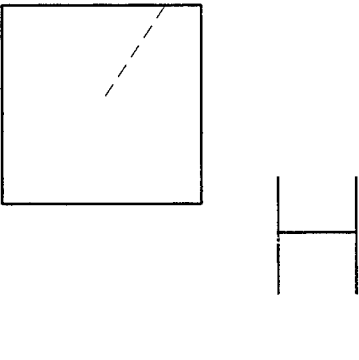
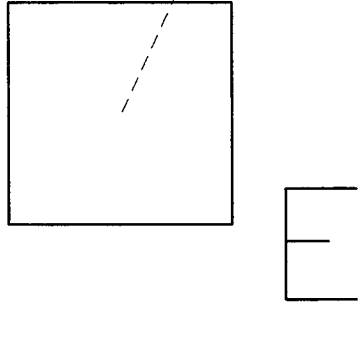
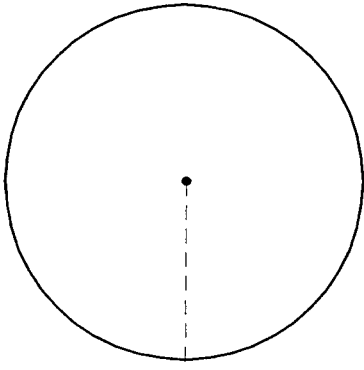
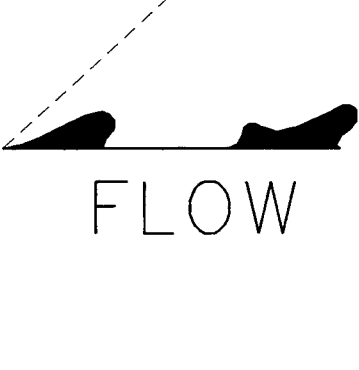
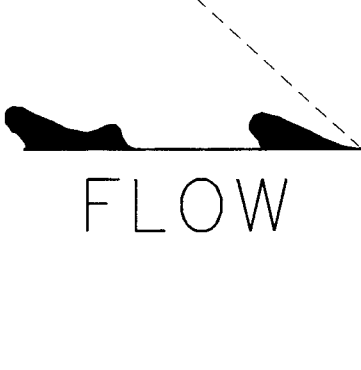
		
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Survey/Mapping: BYWHIP WHISTLE PILLAR BUOY Element type: Symbol	Survey/Mapping: CABCNZ CABLE CROSSING ZONE Element type: Symbol	Survey/Mapping: CABDIS DISUSED SUBMARINE CABLE Element type: Symbol
		
Survey/Mapping: CABLAN CABLE LANDING BEACON Element type: Symbol	Survey/Mapping: CABLE SUBMARINE CABLE Element type: Symbol	Survey/Mapping: CABLE1 SUBMARINE CABLE AREA Element type: Symbol

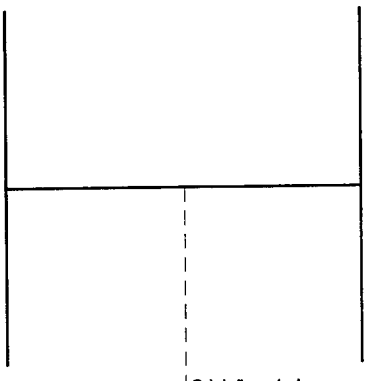
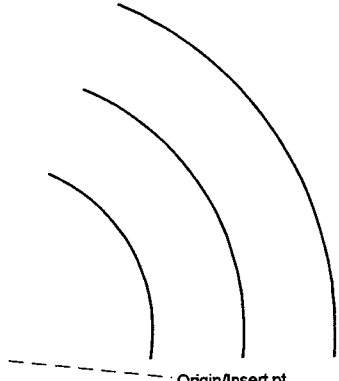
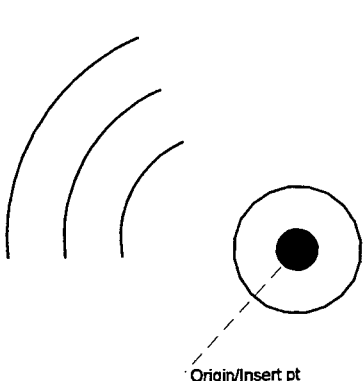
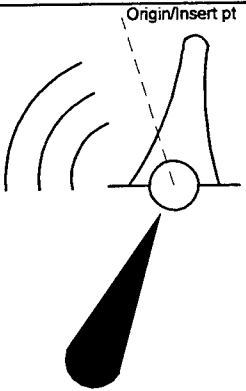
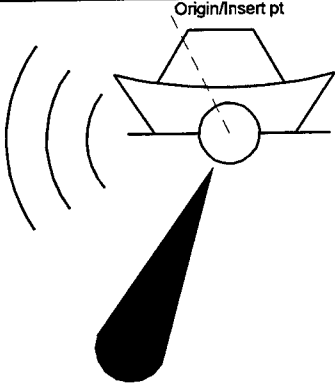
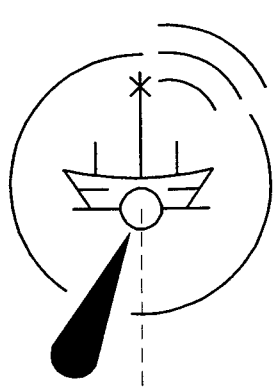
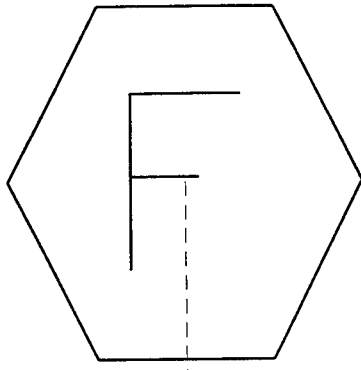
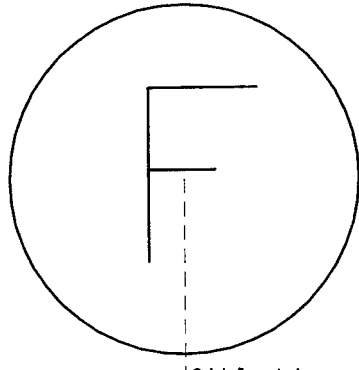
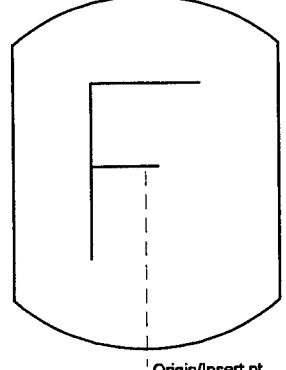
		
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Survey/Mapping: CAIRN2 CAIRN Element type: Symbol	Survey/Mapping: CAIRN3 CAIRN Element type: Symbol	Survey/Mapping: CAIRN4 CAIRN Element type: Symbol
		
Survey/Mapping: CAN1 CAN BUOY Element type: Symbol	Survey/Mapping: CAN2 CAN BUOY Element type: Symbol	Survey/Mapping: CANWT WHITE CAN BUOY W TOPMARK Element type: Symbol

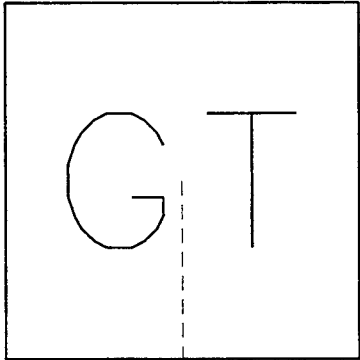
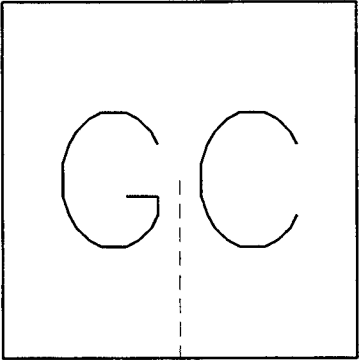
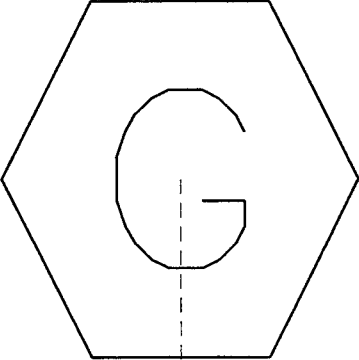
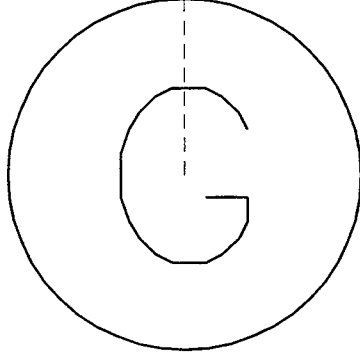
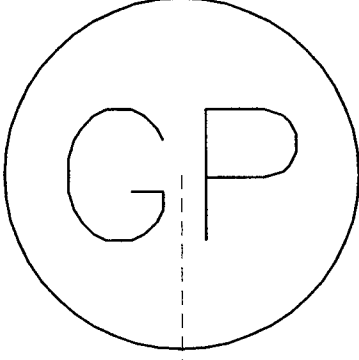
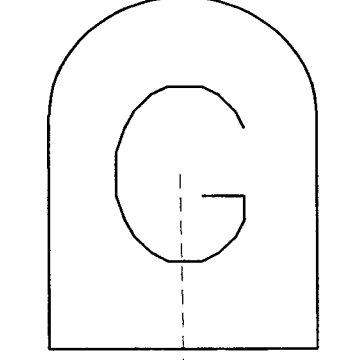
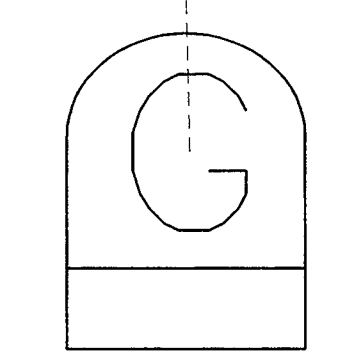
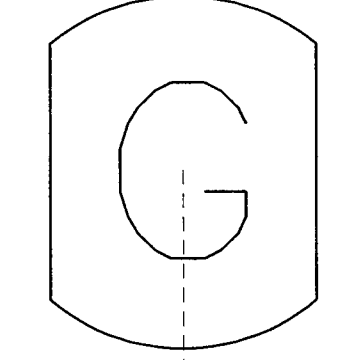
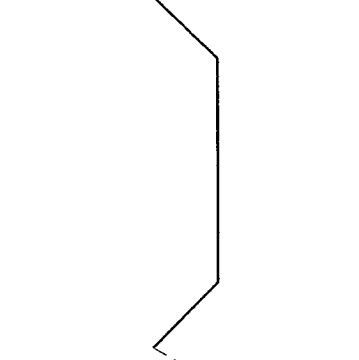
		
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Survey/Mapping: CDHDDR CORE DRILL HOLE UNDRILLED Element type: Symbol	Survey/Mapping: CGRES1 COAST GUARD RESCUE STA Element type: Symbol	Survey/Mapping: CGRES2 COAST GUARD RESCUE STA Element type: Symbol
		
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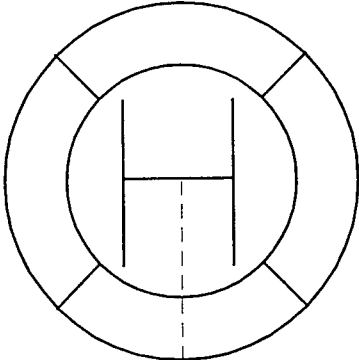
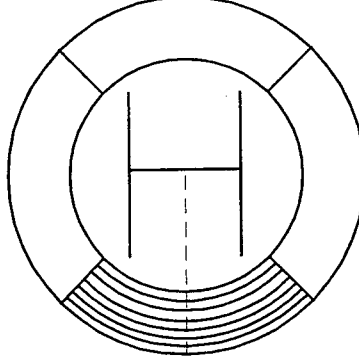
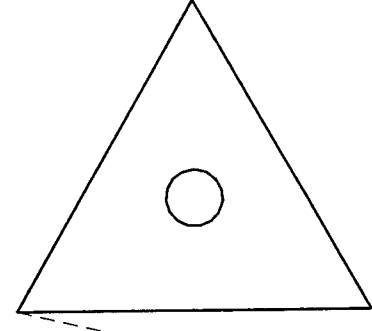
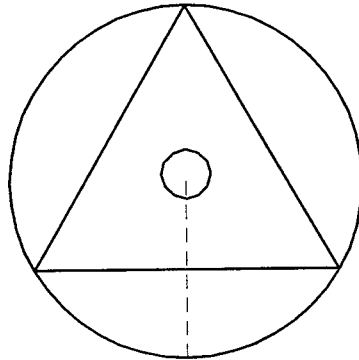
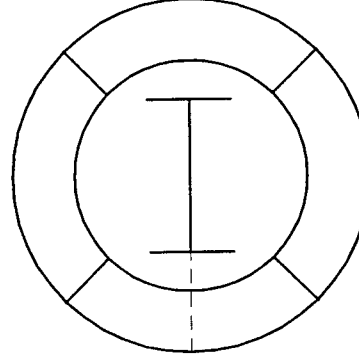
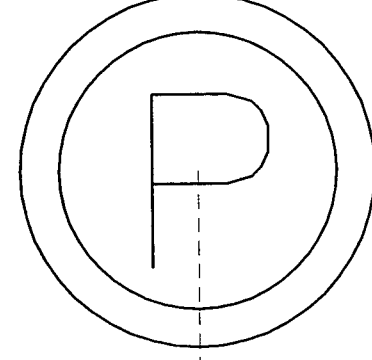
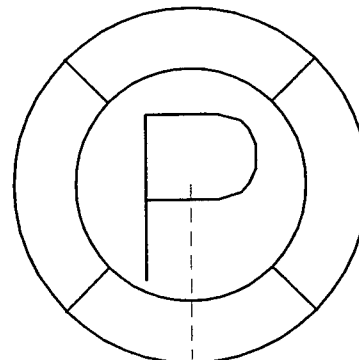
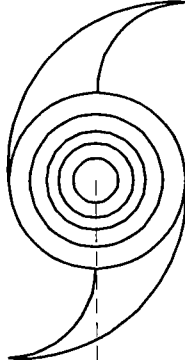
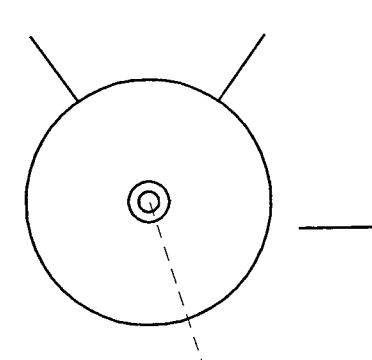
		
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Survey/Mapping: CNRSF CORNER SOLID FLAT Element type: Symbol	Survey/Mapping: CNTLIN CENTERLINE SYMBOL Element type: Symbol	Survey/Mapping: COAST1 COAST GUARD STATION Element type: Symbol
		
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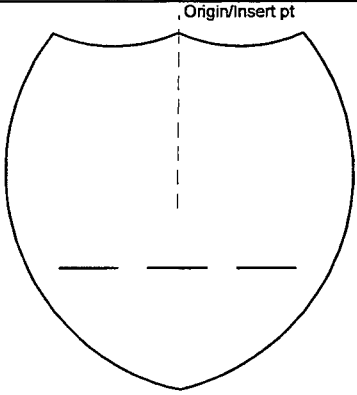
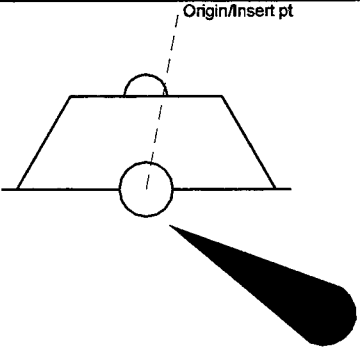
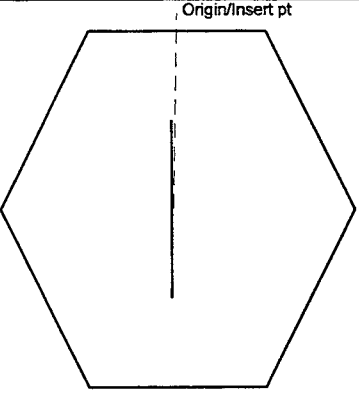
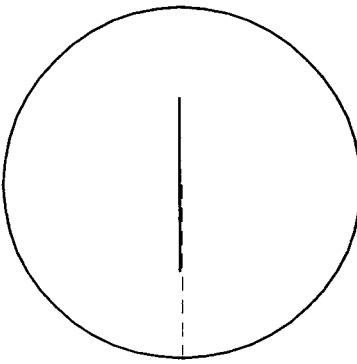
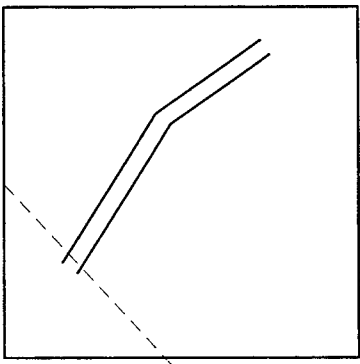
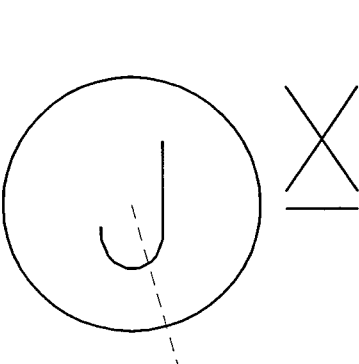
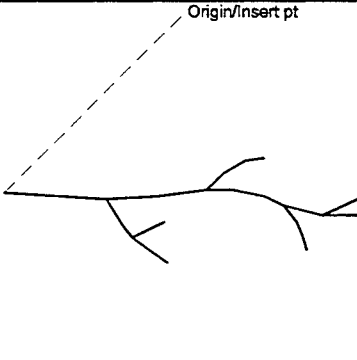
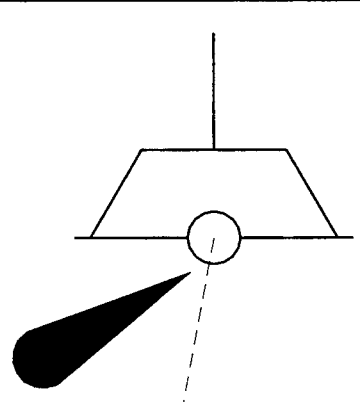
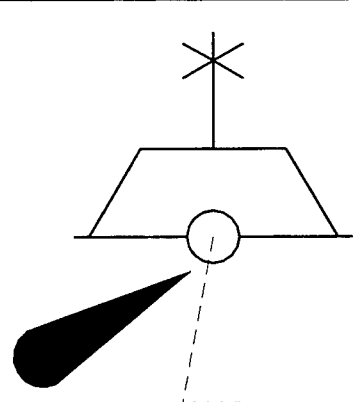
		
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Survey/Mapping: DGUYX DOWNGUY_EXISTING Element type: Symbol	Survey/Mapping: DISPLT DISUSED PLATFORM Element type: Symbol	Survey/Mapping: DNGPB LIGHTED DANGER BUOY PILLAR Element type: Symbol
		
Survey/Mapping: DNGRK DANGER U W ROCK DEPTH UNKNW Element type: Symbol	Survey/Mapping: DNGRK1 DANGER U W ROCK DEPTH UNKNW Element type: Symbol	Survey/Mapping: DNGSB LIGHTED DANGER BUOY SPAR Element type: Symbol

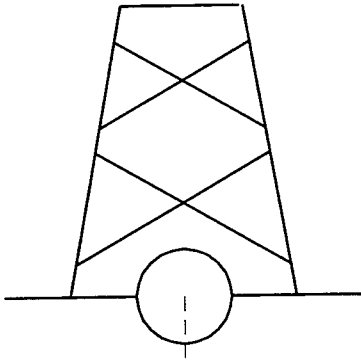
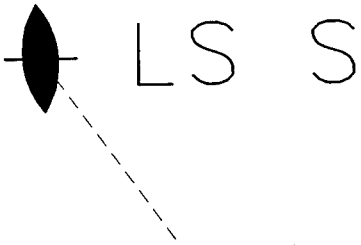
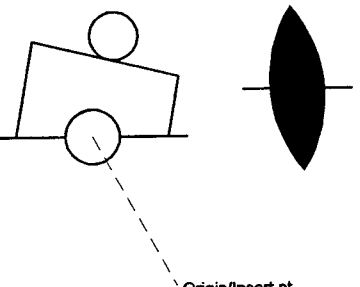
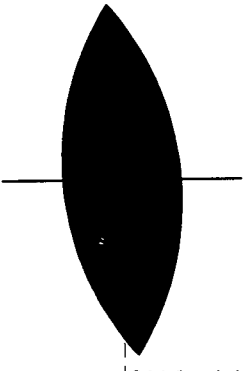
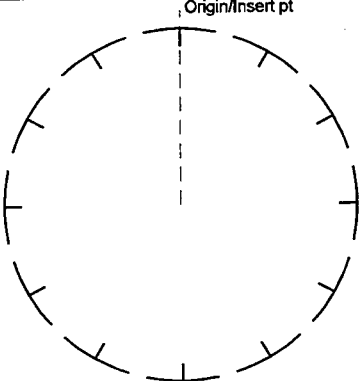
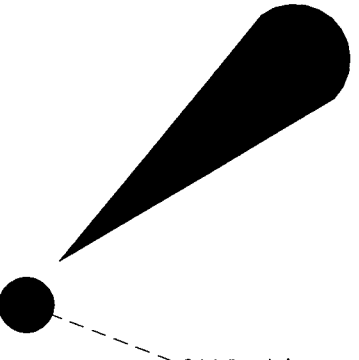
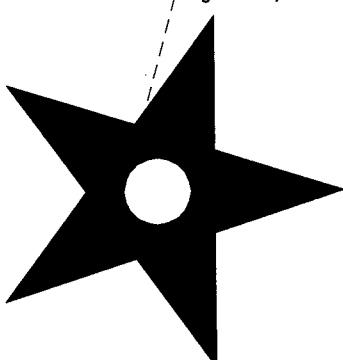
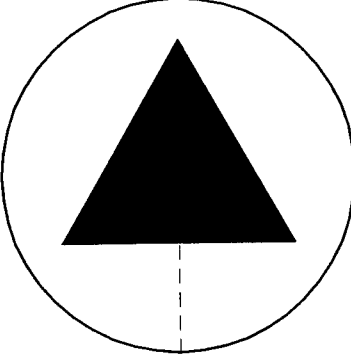
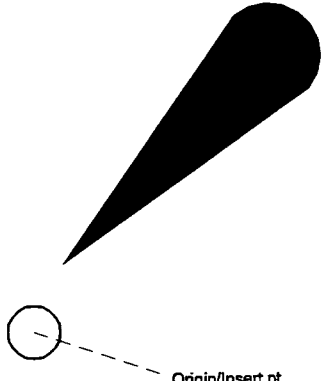
		
Survey/Mapping: DOLPHN DOLPHIN Element type: Symbol	Survey/Mapping: DSTMKR RW DISTANCE MARKER Element type: Symbol	Survey/Mapping: DSWTCH DIST SWITCH SWITCHING STAT Element type: Symbol
		
Survey/Mapping: DTHL DISPLACE THRESHOLD LIGHT Element type: Symbol	Survey/Mapping: EHLX ELEC HANDHOLE_EXIST Element type: Symbol	Survey/Mapping: EMHLX ELEC MANHOLE_EXIST Element type: Symbol
		
Survey/Mapping: FIXPNT FIXED POINT Element type: Symbol	Survey/Mapping: FLARRL FLOW ARROW LEFT IN 0 POINT Element type: Symbol	Survey/Mapping: FLARRR FLOW ARROW RIGHT IN 0 POINT Element type: Symbol

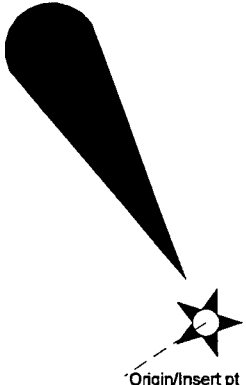
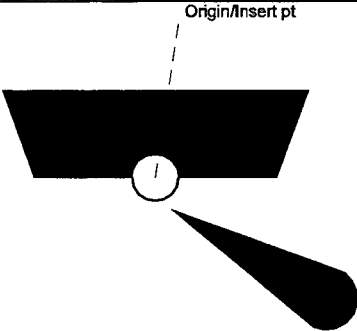
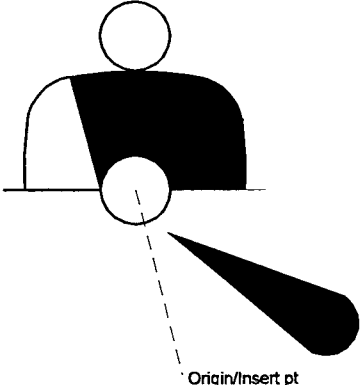
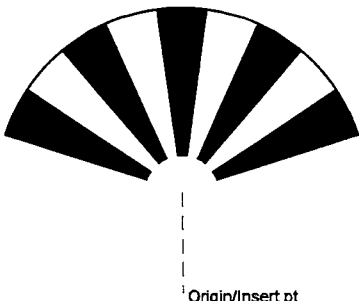
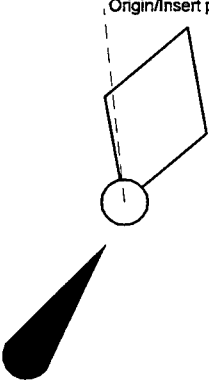
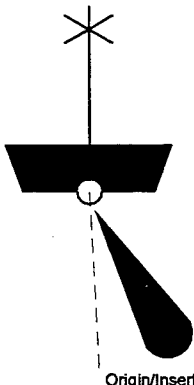
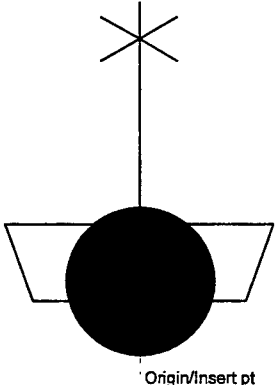
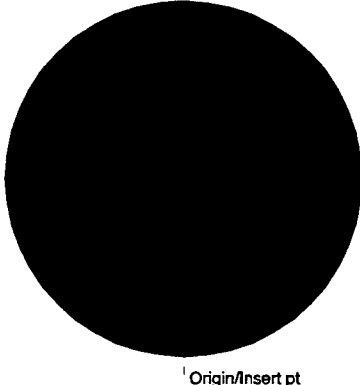
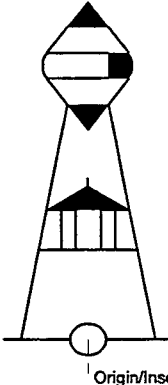
		
Survey/Mapping: FLDGAT FLOOD GATE Element type: Symbol	Survey/Mapping: FOG FOG SIGNAL Element type: Symbol	Survey/Mapping: FOGBCN FOG SIGNAL BEACON Element type: Symbol
		
Survey/Mapping: FOGBY FOG SIGNAL BUOY Element type: Symbol	Survey/Mapping: FOGLS FOG SIGNAL LIGHT SHIP Element type: Symbol	Survey/Mapping: FOGLSM FOG SIG LIGHT SHIP MANNED Element type: Symbol
		
Survey/Mapping: FOMETR FUEL OIL METER Element type: Symbol	Survey/Mapping: FOMHOL FUEL OIL MANHOLE Element type: Symbol	Survey/Mapping: FOVALT FUEL OIL VAULT Element type: Symbol

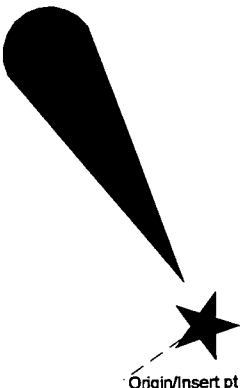
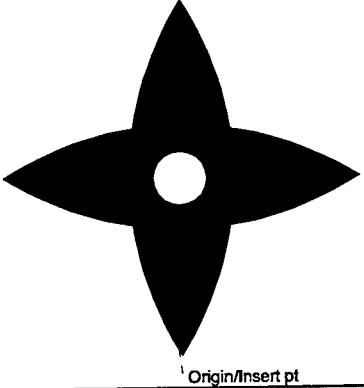
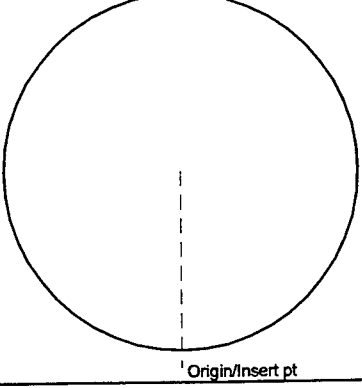
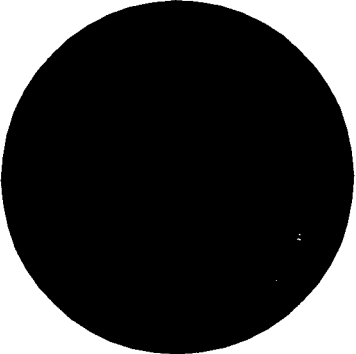
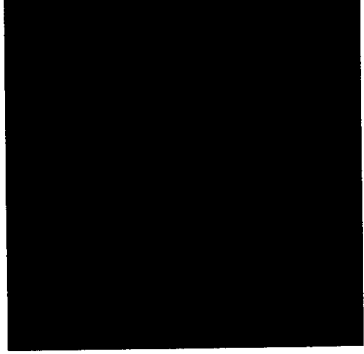
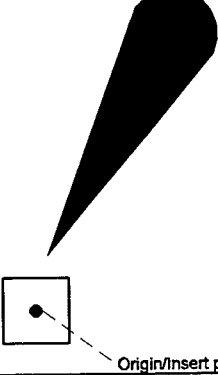
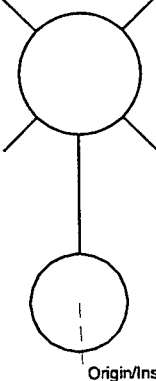
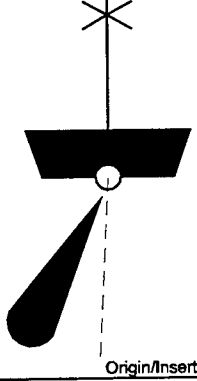
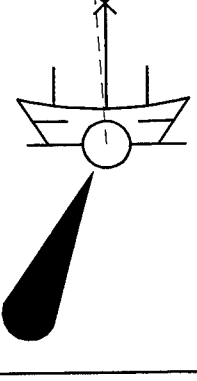
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Survey/Mapping: GREASE GREASE TRAP Element type: Symbol	Survey/Mapping: GRITCH GRIT CHAMBER Element type: Symbol	Survey/Mapping: GSMETR GAS METER Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: GSMHOL GAS MANHOLE Element type: Symbol	Survey/Mapping: GSPLNT GAS PLANT Element type: Symbol	Survey/Mapping: GSRECR GAS RECEIVER Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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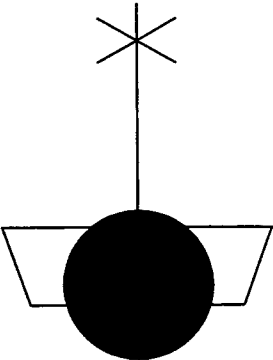
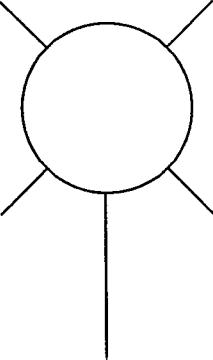
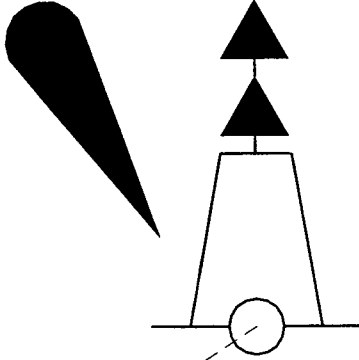
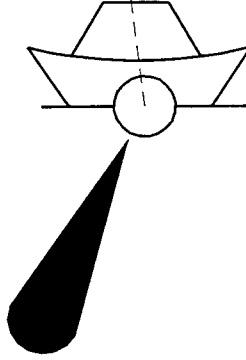
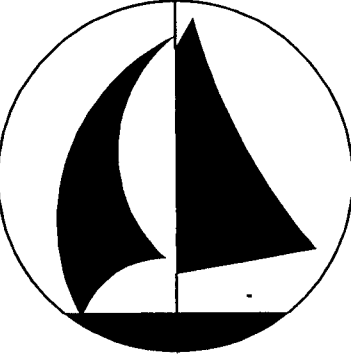
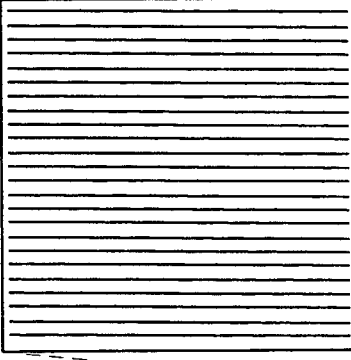
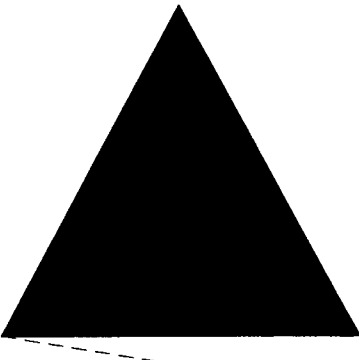
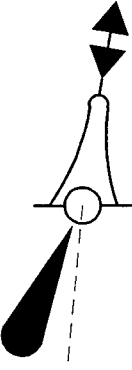
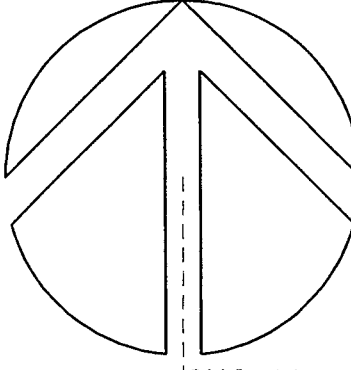
		
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Survey/Mapping: HOVCPT HORIZ VERT CONTROL PT Element type: Symbol	Survey/Mapping: HPIL HELIPAD INSET LIGHT Element type: Symbol	Survey/Mapping: HPPLLEL HELIPAD PER LIGHT_ELEVATED Element type: Symbol
		
Survey/Mapping: HPPLSF HELIPAD PERLIGHT_SEMIFLUSH Element type: Symbol	Survey/Mapping: HUREYE HURRICANE EYE Element type: Symbol	Survey/Mapping: HYDRNT HYDRANT Element type: Symbol

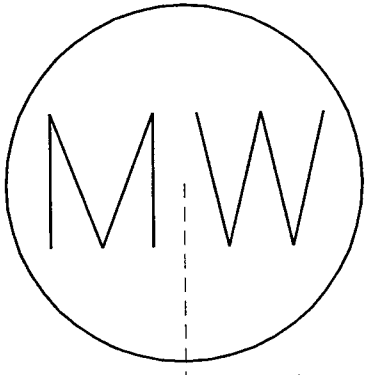
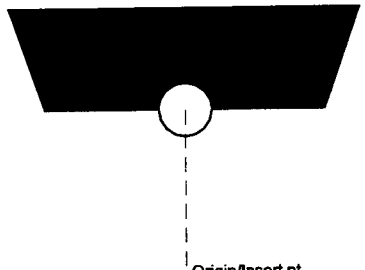
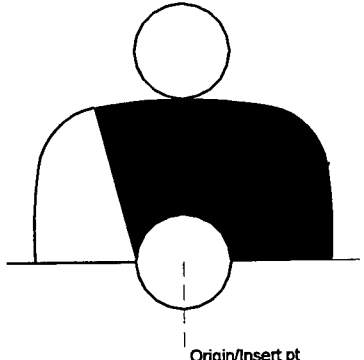
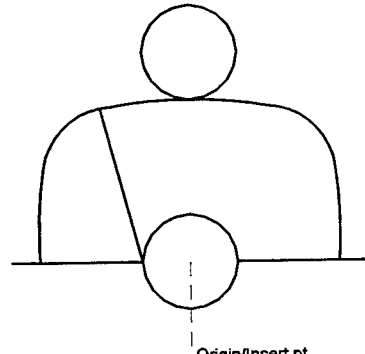
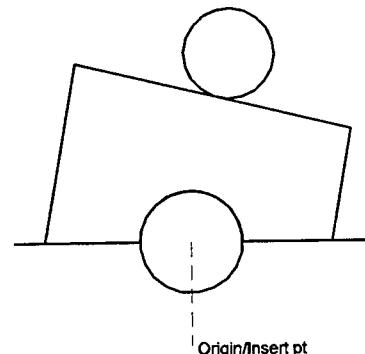
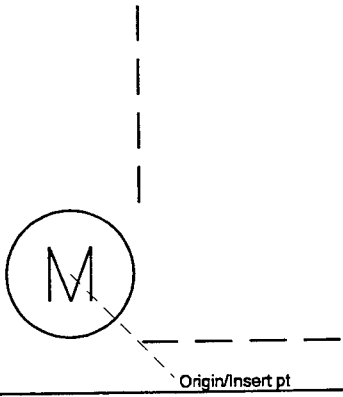
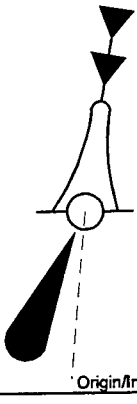
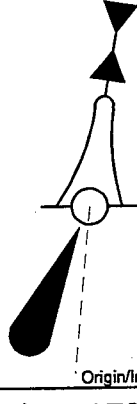
		
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Survey/Mapping: IWMHOL INDUSTRIAL WASTE WATR MANHL Element type: Symbol	Survey/Mapping: JETTY JETTY Element type: Symbol	Survey/Mapping: JNBX EXTERIOR UTIL JUNCTION BOX Element type: Symbol
		
Survey/Mapping: KELP KELP SEAWEED Element type: Symbol	Survey/Mapping: LANBY1 LANBY SUPERBUOY NAVAID Element type: Symbol	Survey/Mapping: LANBY2 LANBY SUPERBUOY NAVAID Element type: Symbol

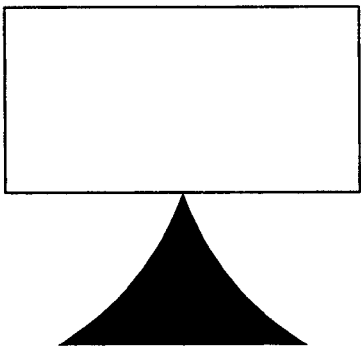
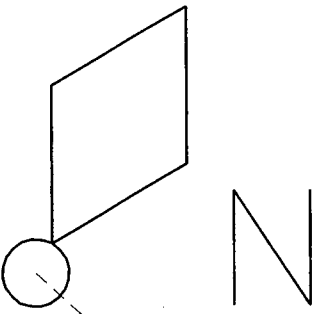
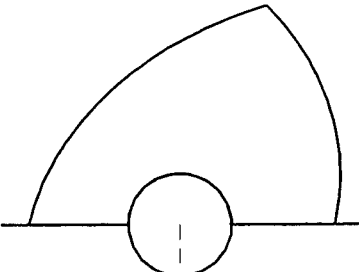
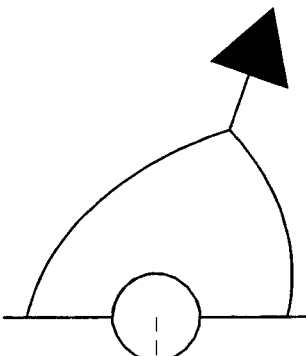
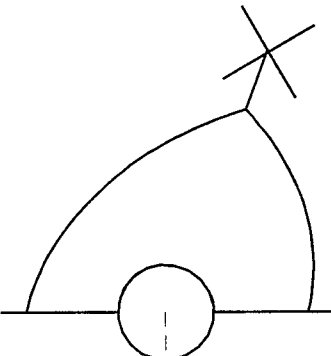
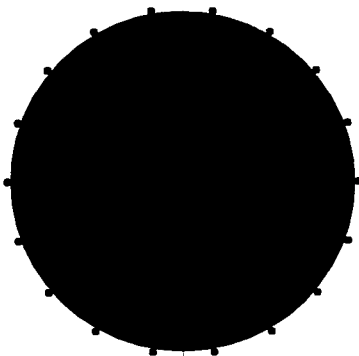
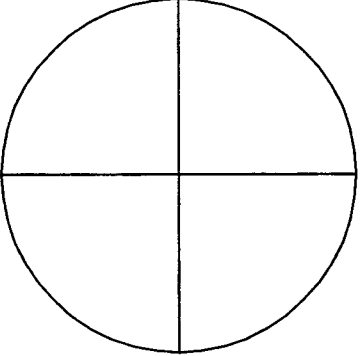
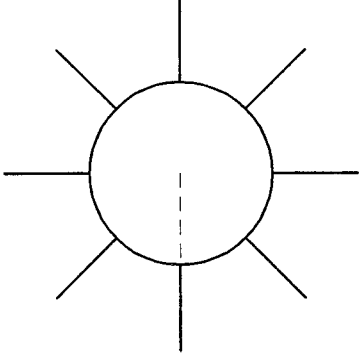
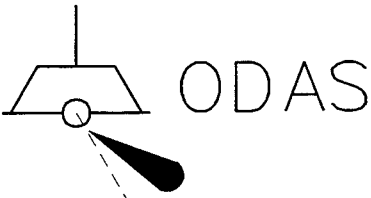
		
Survey/Mapping: LATBCN LATTICE BEACON Element type: Symbol	Survey/Mapping: LIFEBOAT LIFEBOAT STATION Element type: Symbol	Survey/Mapping: LIFEBOAT1 LIFEBOAT AT MOORING Element type: Symbol
		
Survey/Mapping: LIFEBOAT2 LIFEBOAT AT MOORING Element type: Symbol	Survey/Mapping: LIMIT LIMIT OF SAFETY ZONE Element type: Symbol	Survey/Mapping: LITSV1 FLOATING LIGHT Element type: Symbol
		
Survey/Mapping: LITSV2 FLOATING LIGHT Element type: Symbol	Survey/Mapping: LOOKTR LOOKOUT STATION WATCH Element type: Symbol	Survey/Mapping: LTART ARTICULATED LIGHT Element type: Symbol

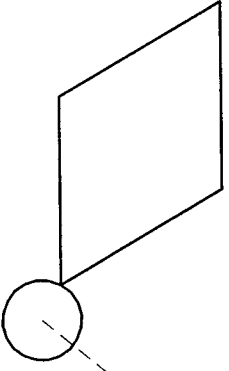
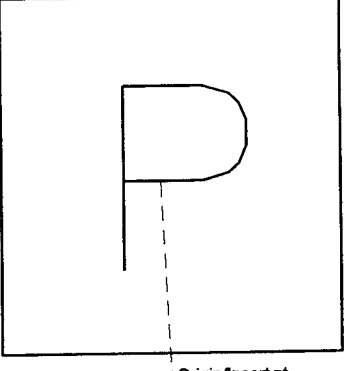
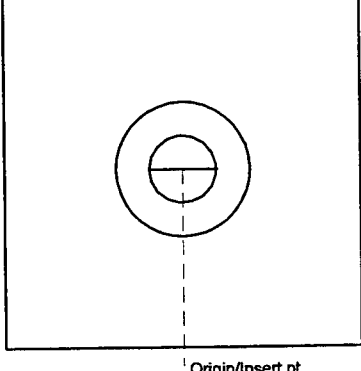
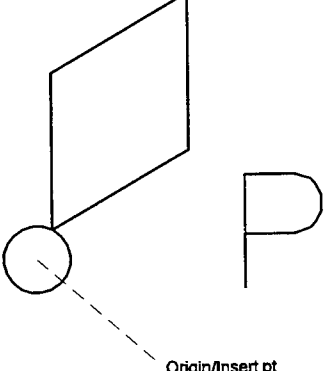
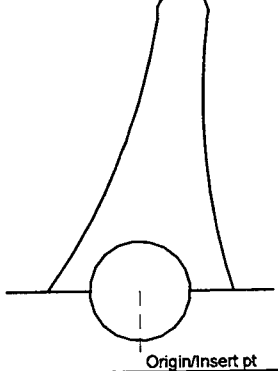
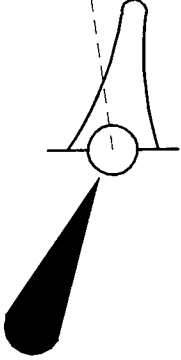
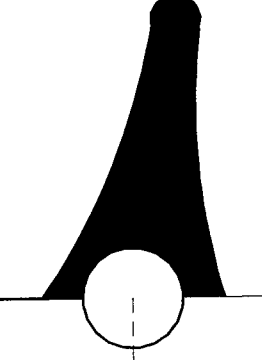
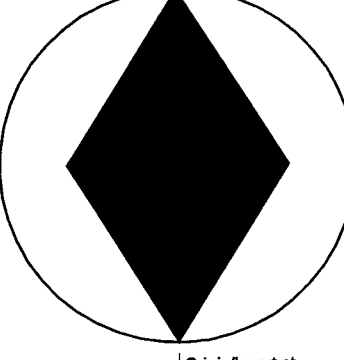
		
Survey/Mapping: LTBEAC LIGHTED BEACON Element type: Symbol	Survey/Mapping: LTBY LIGHTED BUOY Element type: Symbol	Survey/Mapping: LTBYBB LIGHTED BARREL BUOY BLACK Element type: Symbol
		
Survey/Mapping: LTFLD FLOODLIGHT Element type: Symbol	Survey/Mapping: LTFLT LIGHT FLOAT Element type: Symbol	Survey/Mapping: LTFLT1 LIGHT FLOAT IALA Element type: Symbol
		
Survey/Mapping: LTFLT2 LIGHT FLOAT IALA Element type: Symbol	Survey/Mapping: LTHOU1 LIGHTHOUSE Element type: Symbol	Survey/Mapping: LTHOU2 LIGHTHOUSE Element type: Symbol

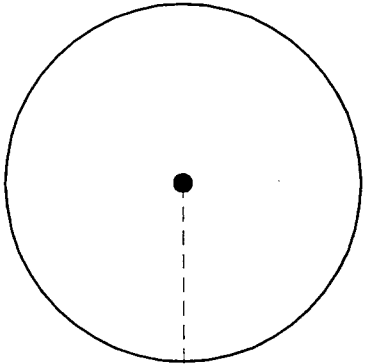
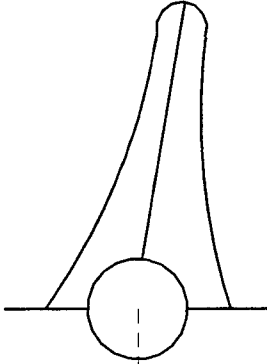
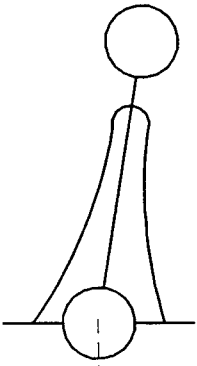
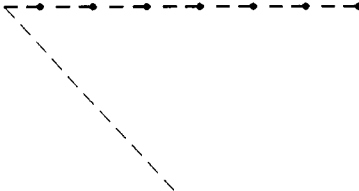
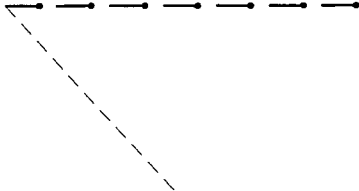
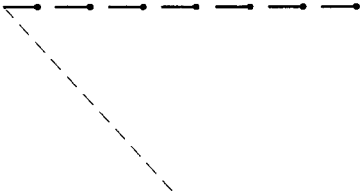
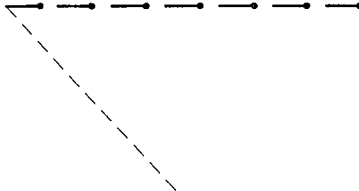
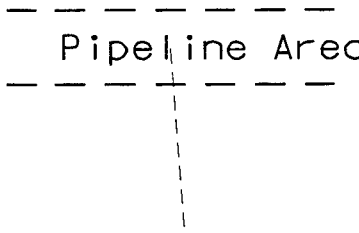
		
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Survey/Mapping: LTMIN2 MINOR FLOATING LIGHT Element type: Symbol	Survey/Mapping: LTPLT1 LIGHTED PLATFORM Element type: Symbol	Survey/Mapping: LTPLT2 LIGHTED PLATFORM Element type: Symbol
		
Survey/Mapping: LTPLX LIGHT POLE_EXISTING Element type: Symbol	Survey/Mapping: LTSHP1 LIGHTED VESSEL LIGHTSHIP Element type: Symbol	Survey/Mapping: LTSHP2 LIGHTED VESSEL LIGHTSHIP Element type: Symbol

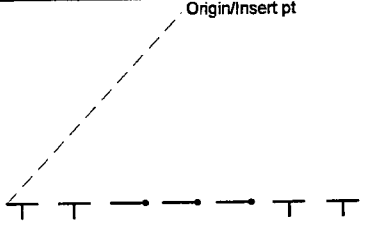
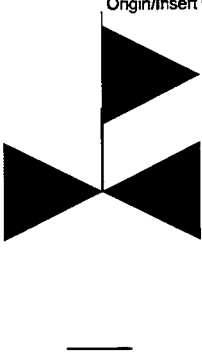
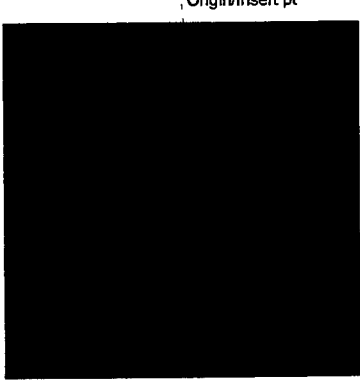
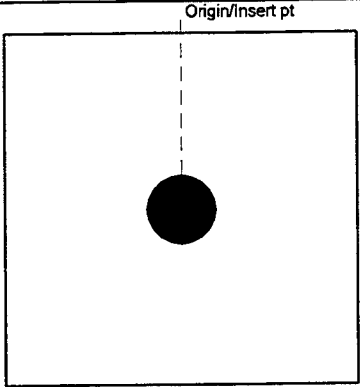
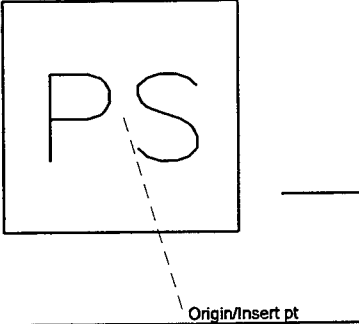
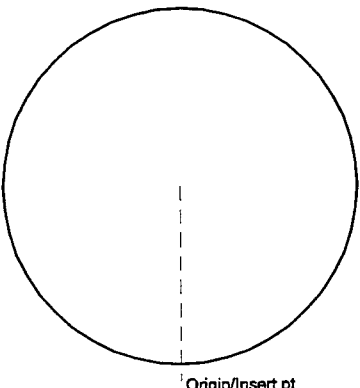
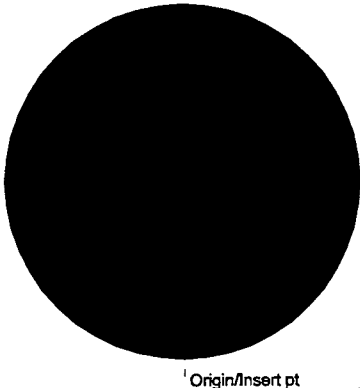
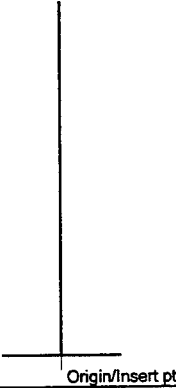
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 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: LTVES2 UNMANNED LIGHT VESSEL Element type: Symbol	Survey/Mapping: MARINA BOAT HARBOR MARINA Element type: Symbol	Survey/Mapping: MARKGD GREEN DAY MARKER Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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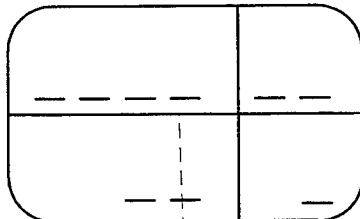
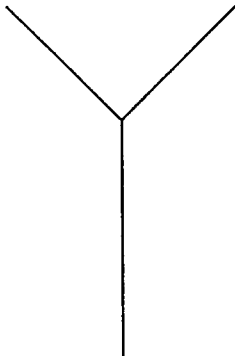
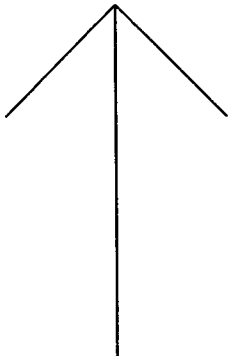
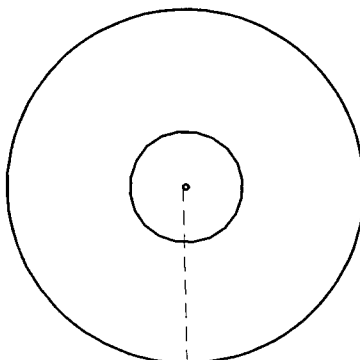
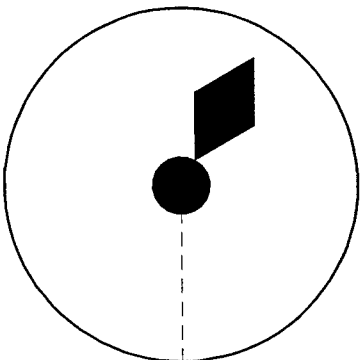
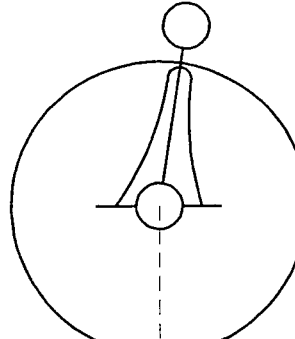
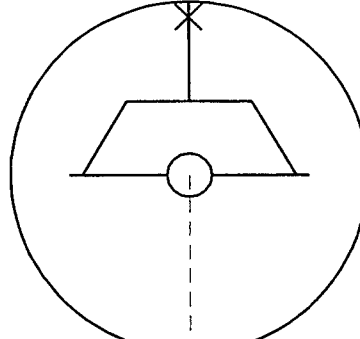
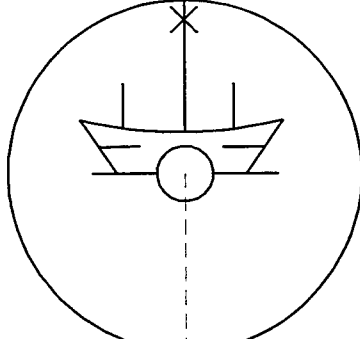
		
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Survey/Mapping: MORBBW MOORING BARREL BUOY WHITE Element type: Symbol	Survey/Mapping: MORBCW MOORING CAN BUOY WHITE Element type: Symbol	Survey/Mapping: MORTWR MOORING TOWER Element type: Symbol
		
Survey/Mapping: MOTRHP MOTOR HP Element type: Symbol	Survey/Mapping: MSOUTH LIGHTED SOUTH MARKER BUOY Element type: Symbol	Survey/Mapping: MWEST LIGHTED WEST MARKER BUOY Element type: Symbol

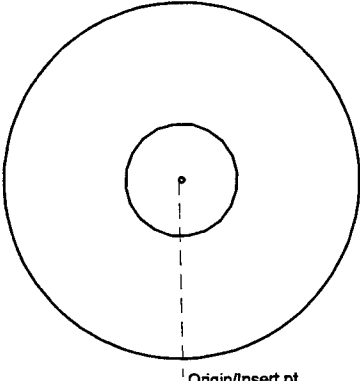
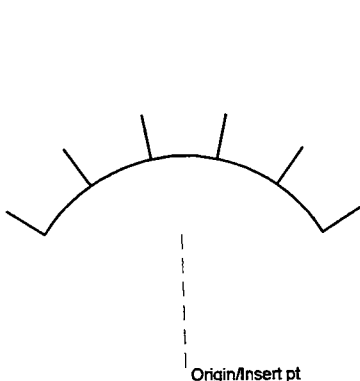
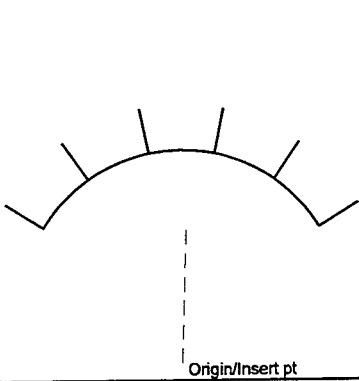
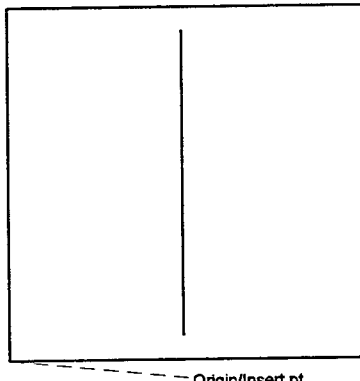
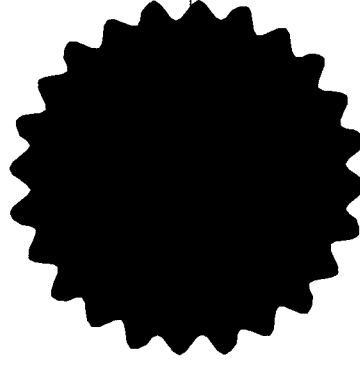
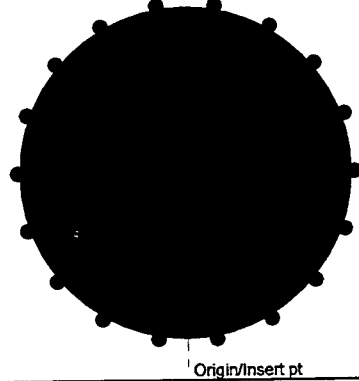
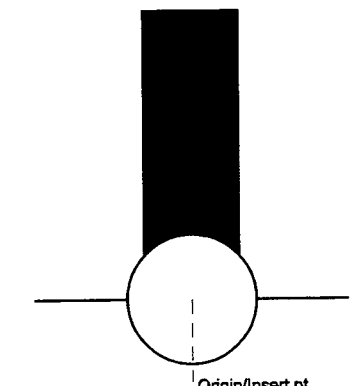
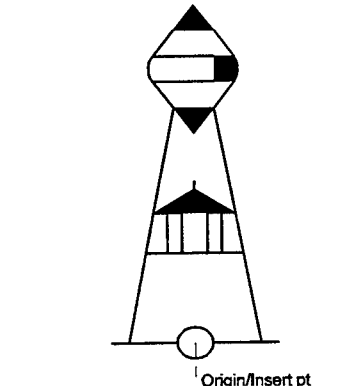
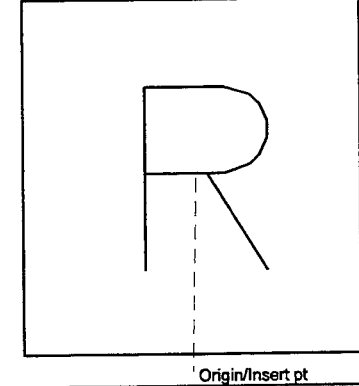
		
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Survey/Mapping: NUNBT BLACK NUN BUOY W TOPMARK Element type: Symbol	Survey/Mapping: NUNWT WHITE NUN BUOY W TOPMARK Element type: Symbol	Survey/Mapping: OBS OBSTRUCTION Element type: Symbol
		
Survey/Mapping: OBSSPT OBSERVATION SPOT Element type: Symbol	Survey/Mapping: OBSTRL OBSTRUCTION LIGHT Element type: Symbol	Survey/Mapping: ODAS ODAS BUOY DATA COLLECT Element type: Symbol

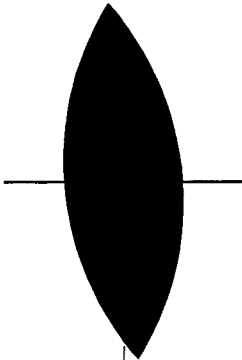
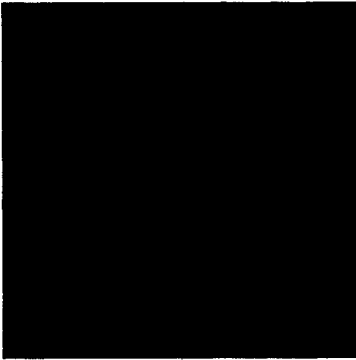
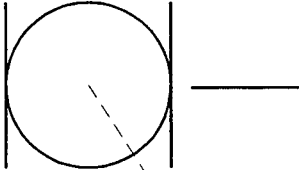
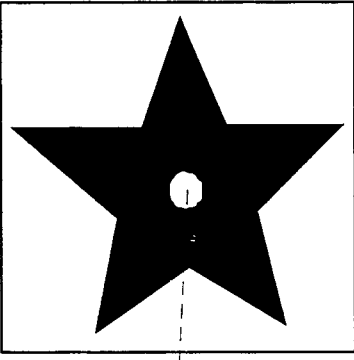
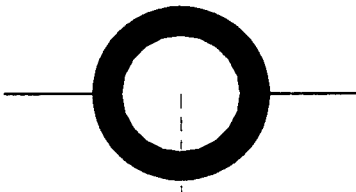
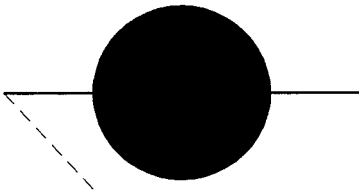
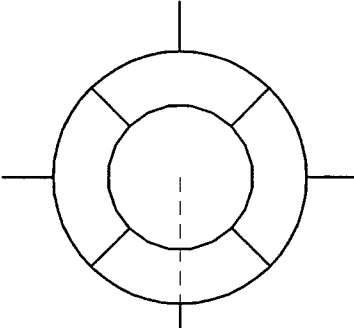
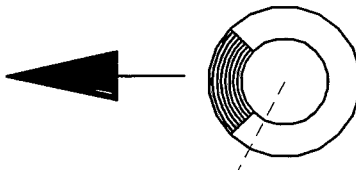
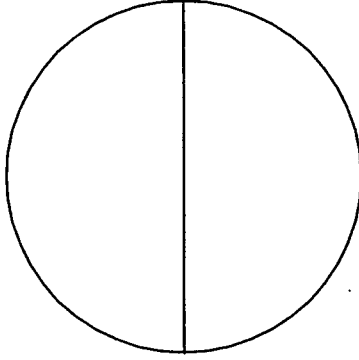
		
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Origin/Insert pt P.I. = ----- P.C. = ----- P.T. = ----- Δ = ----- D = ----- R = ----- T = ----- L = -----		
Survey/Mapping: PI1 PI INFORMATION Element type: Symbol	Survey/Mapping: PI1 PILLAR BUOY Element type: Symbol	Survey/Mapping: PI2 PILLAR BUOY Element type: Symbol
		
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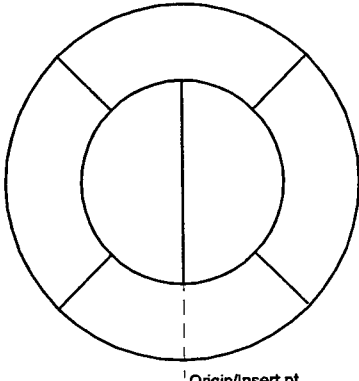
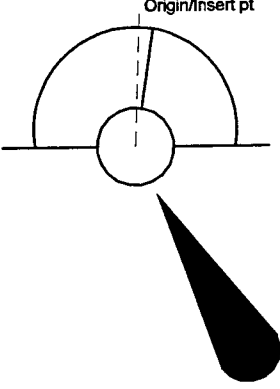
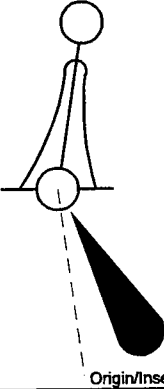
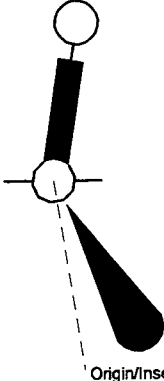
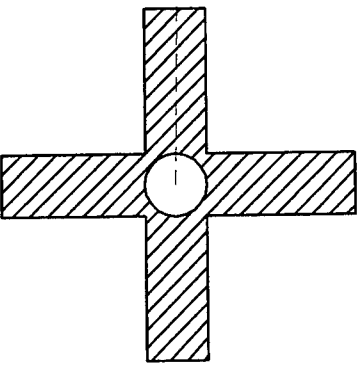
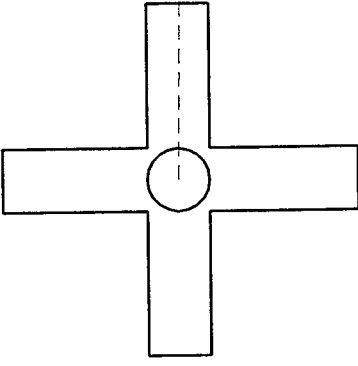
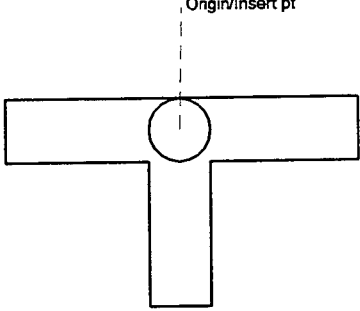
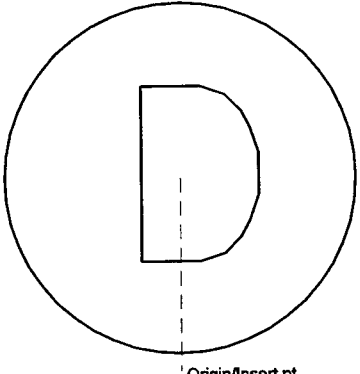
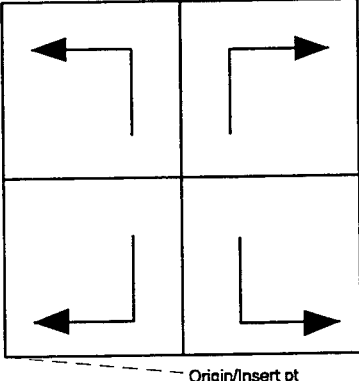
		
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Survey/Mapping: PILVT V STRP PILLAR BUOY W TOPMK Element type: Symbol	Survey/Mapping: PIPDIS DISUSED PIPELINE PIPE Element type: Symbol	Survey/Mapping: PIPE WATER SEWER OUTFALL INTAKE Element type: Symbol
		
Survey/Mapping: PIPE1 OIL GAS PIPELINE Element type: Symbol	Survey/Mapping: PIPE2 OIL GAS PIPELINE Element type: Symbol	Survey/Mapping: PIPES1 OIL GAS PIPELINE AREA Element type: Symbol

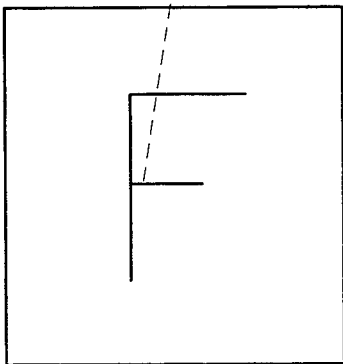
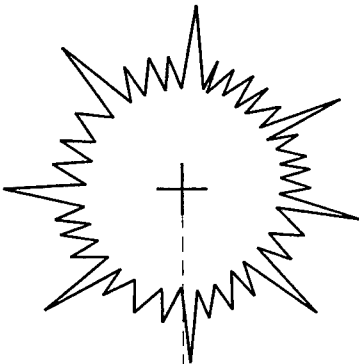
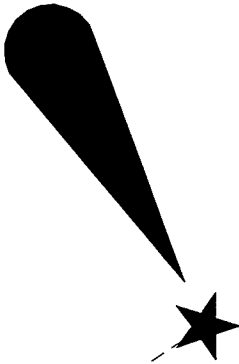
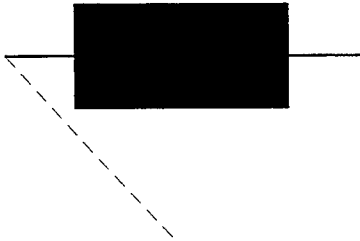
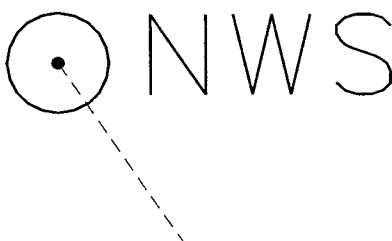
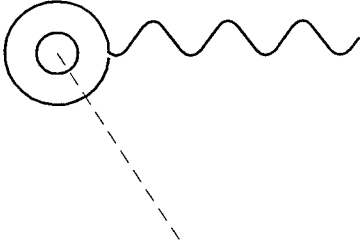
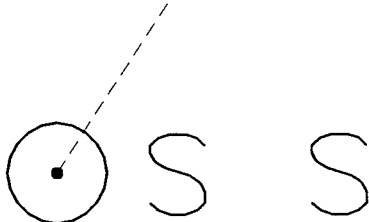
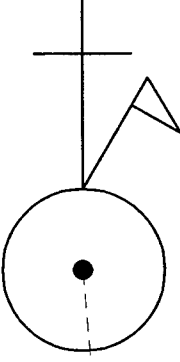
		
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Survey/Mapping: PLAT2 PROD PLATFORM OIL DERRICK Element type: Symbol	Survey/Mapping: PLAT3 PROD PLATFORM OIL DERRICK Element type: Symbol	Survey/Mapping: PMPSTA PUMP STATION Element type: Symbol
		
Survey/Mapping: POLE1 POLE STAKE PERCH Element type: Symbol	Survey/Mapping: POLE2 POLE STAKE PERCH Element type: Symbol	Survey/Mapping: POLE3 POLE STAKE PERCH Element type: Symbol

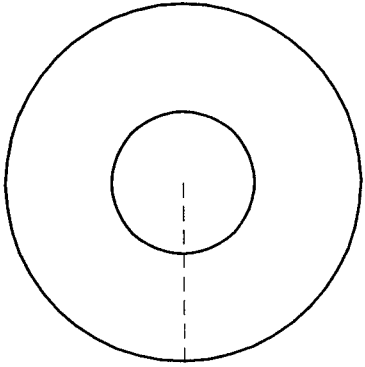
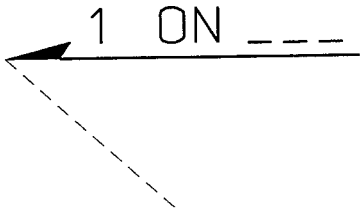
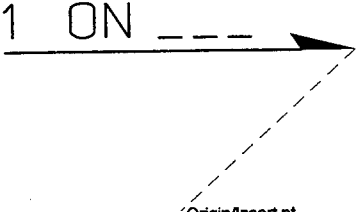
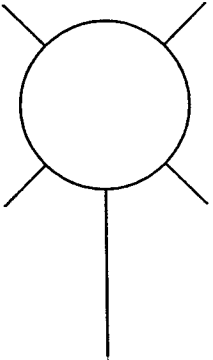
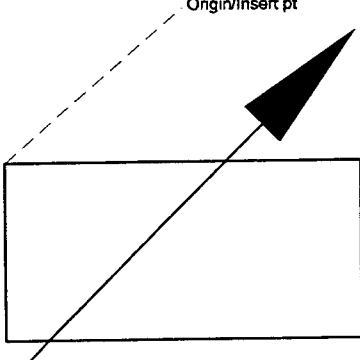
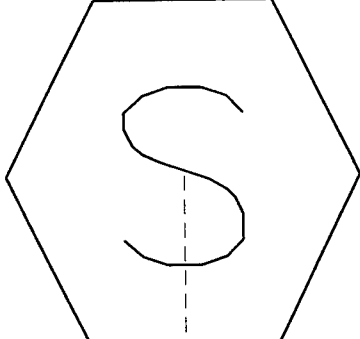
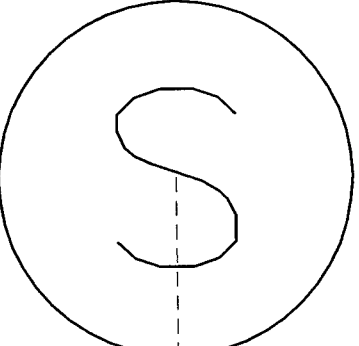
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Survey/Mapping: POLEID POLE IDENT. SYMBOL Element type: Symbol	Survey/Mapping: POLEP PORT HAND STAKE POLE Element type: Symbol	Survey/Mapping: POLES STARBOARD HAND POLE STAKE Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: PRIVB PRIVATE BARREL BUOY Element type: Symbol	Survey/Mapping: RADAR RADAR STATION OR BEACON Element type: Symbol	Survey/Mapping: RADAR1 FLOATING RADAR BEACON Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: RADAR2 FLOATING RADAR BEACON Element type: Symbol	Survey/Mapping: RADAR3 FLOATING RADAR BEACON Element type: Symbol	Survey/Mapping: RADAR4 FLOATING RADAR BEACON Element type: Symbol

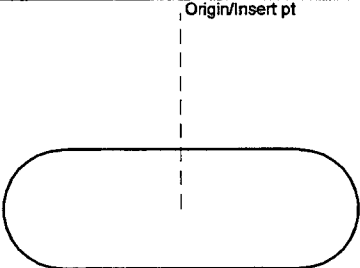
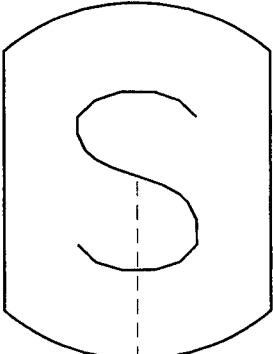
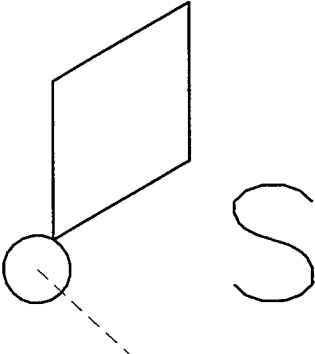
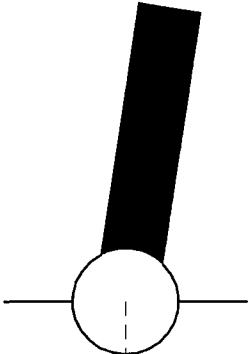
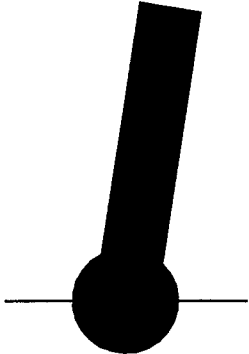
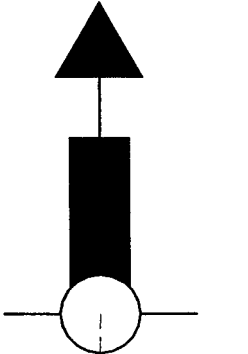
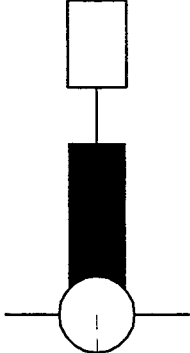
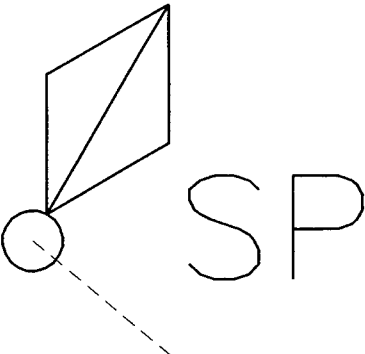
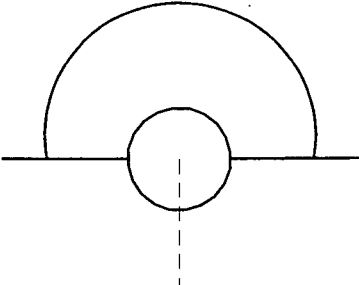
		
Survey/Mapping: RADIO RADIO BEACON GENERAL Element type: Symbol	Survey/Mapping: RADRF1 RADAR REFLECTOR OR FEATURE Element type: Symbol	Survey/Mapping: RADRF2 RADAR REFLECTOR OR FEATURE Element type: Symbol
		
Survey/Mapping: RANGEX RANGE EXTENSION Element type: Symbol	Survey/Mapping: REEF CORAL REEF LARGE ICON Element type: Symbol	Survey/Mapping: REEF1 CORAL REEF SMALL ICON Element type: Symbol
		
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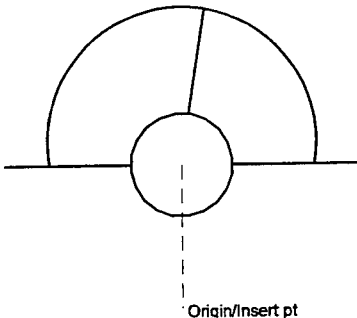
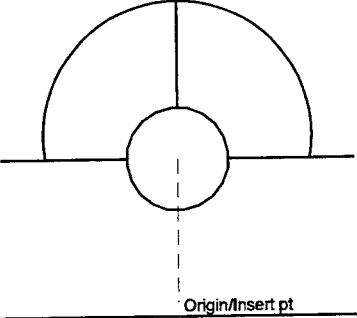
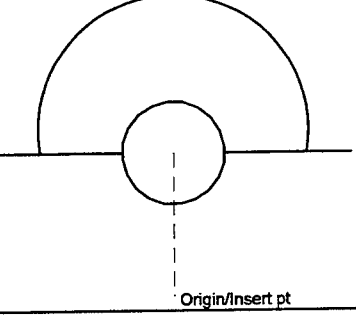
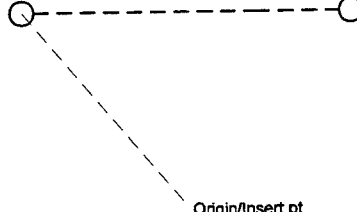
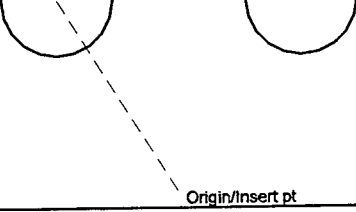
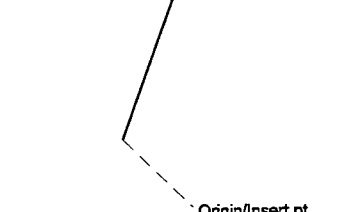
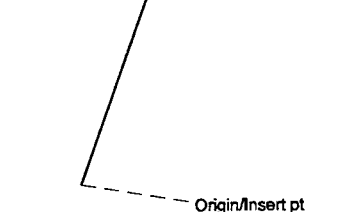
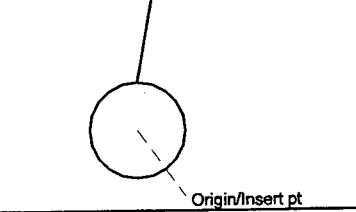
		
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Survey/Mapping: RSTAR RANGE STAR Element type: Symbol	Survey/Mapping: RVMMOP OPEN RIVER MILE MARKER Element type: Symbol	Survey/Mapping: RVMMSO SOLID RIVER MILE MARKER Element type: Symbol
		
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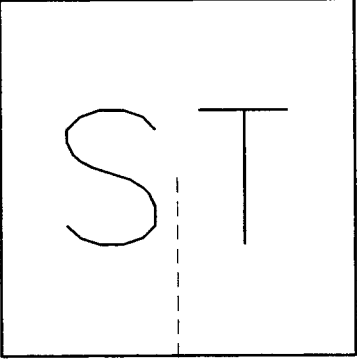
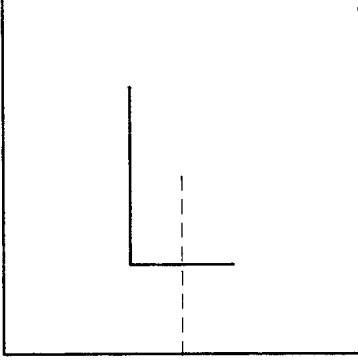
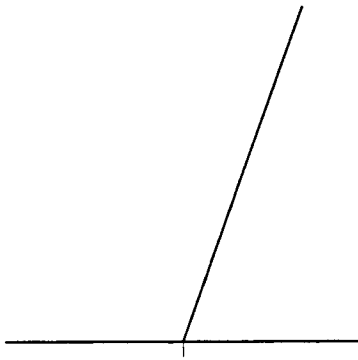
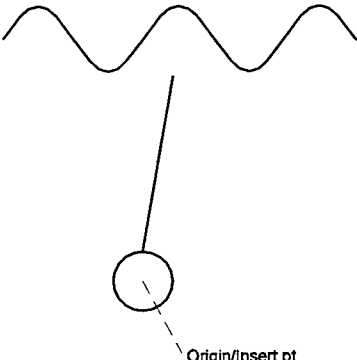
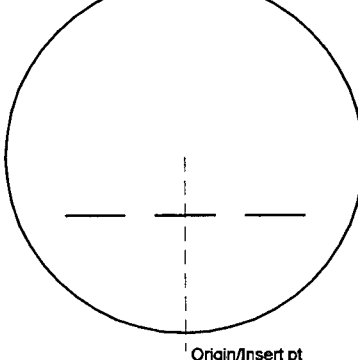
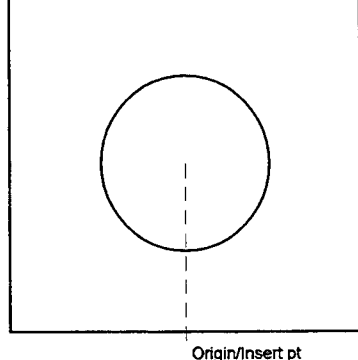
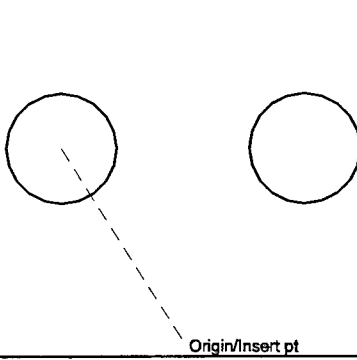
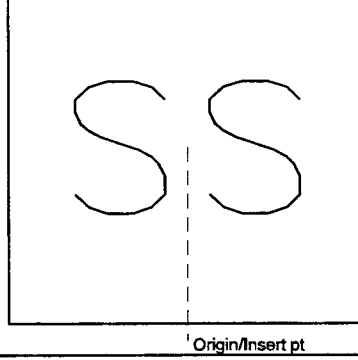
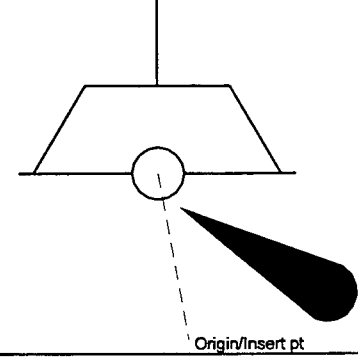
		
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Survey/Mapping: SAFE3 LIGHTED SAFE WATER MARK Element type: Symbol	Survey/Mapping: SCNRH SECTION CORNER HATCHED Element type: Symbol	Survey/Mapping: SCNRO SECTION CORNER OPEN Element type: Symbol
		
Survey/Mapping: SCNRTO SECTION CORNER T OPEN Element type: Symbol	Survey/Mapping: SDMHOL STORM DRAINAGE MANHOLE Element type: Symbol	Survey/Mapping: SECCUT TYPICAL SECTION CUT Element type: Symbol

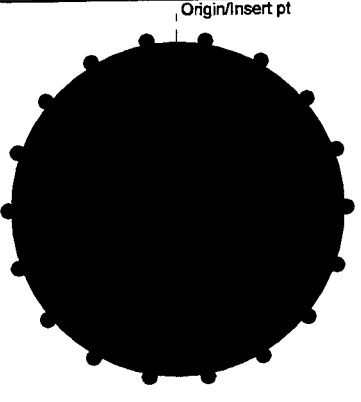
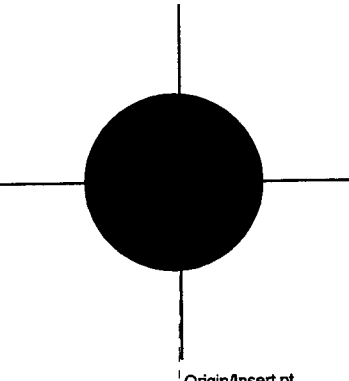
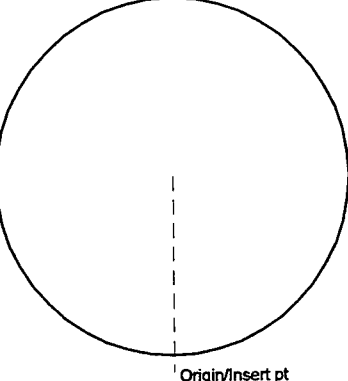
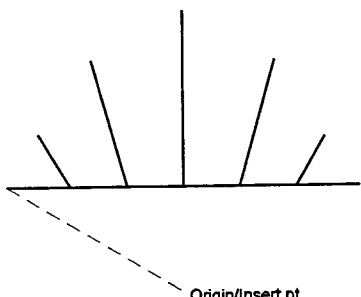
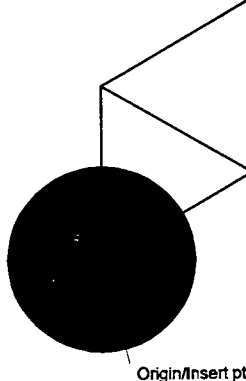
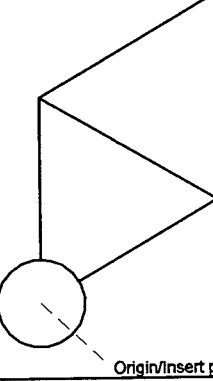
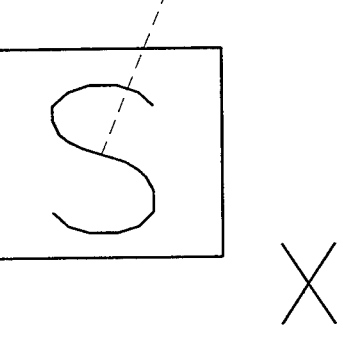
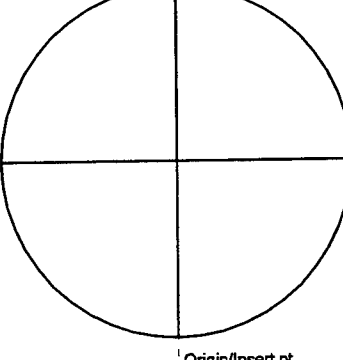
		
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Survey/Mapping: SIGN SIGN Element type: Symbol	Survey/Mapping: SIGNWS NAT WEATHER SVC STATION Element type: Symbol	Survey/Mapping: SIGSHO SUB SIGNAL CONNECT SHORE Element type: Symbol
		
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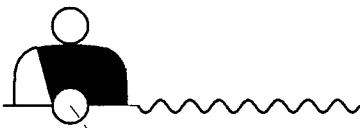
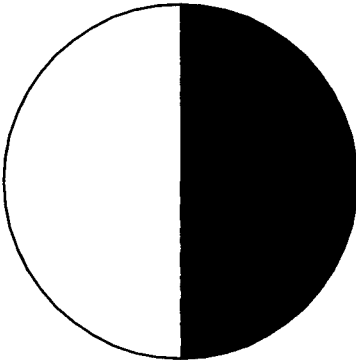
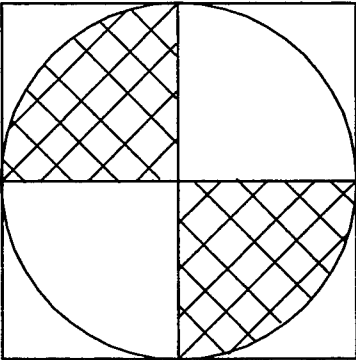
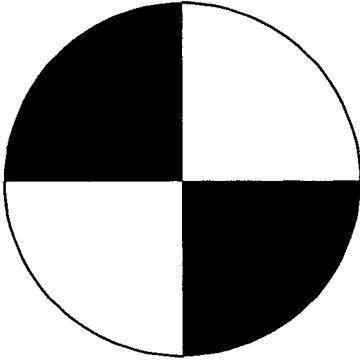
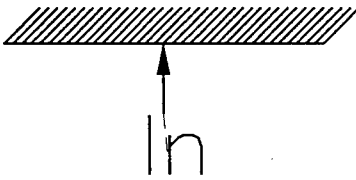
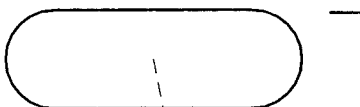
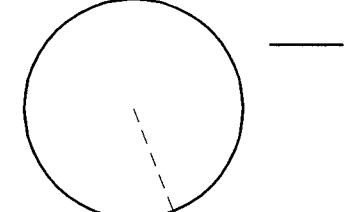
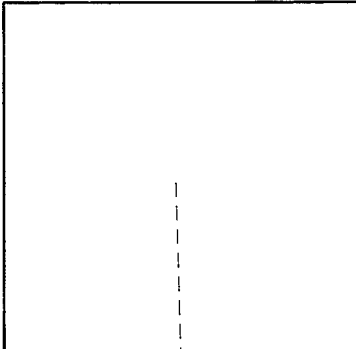
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 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Survey/Mapping: SLARRL SLOPE AR W ENTER DATA FIELD Element type: Symbol	Survey/Mapping: SLARRR SLOPE AR W ENTER DATA FIELD Element type: Symbol	Survey/Mapping: SLLX STREETLITE LUMINAIRE_EXIST Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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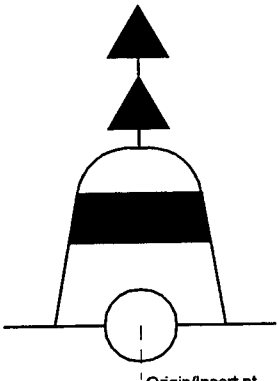
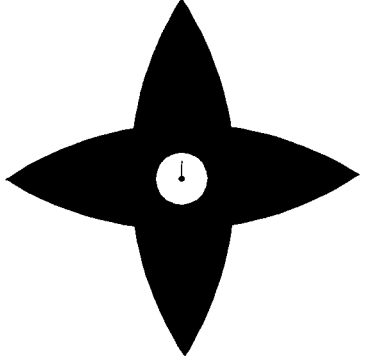
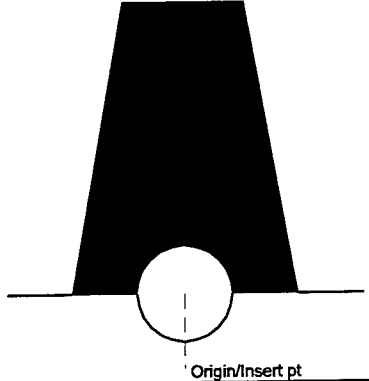
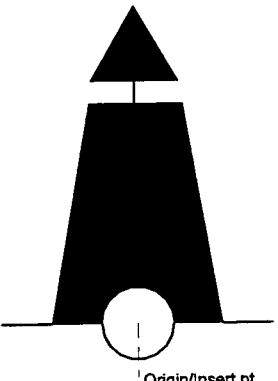
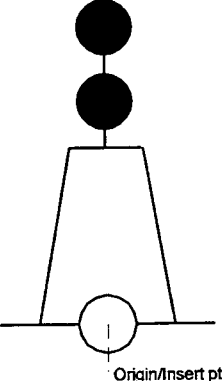
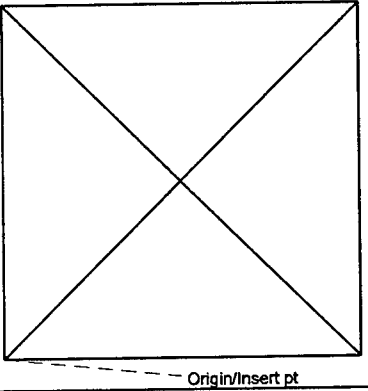
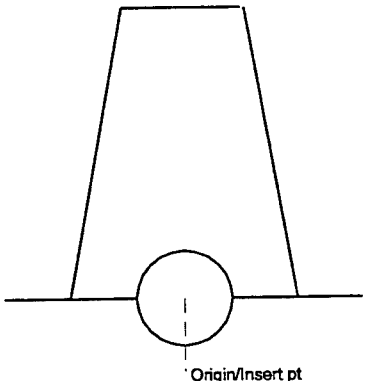
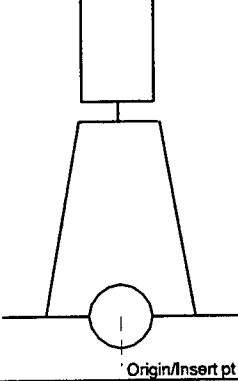
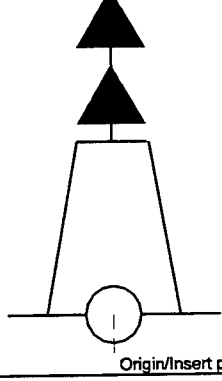
		
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Survey/Mapping: SPAR2 SPAR BUOY SPINDLE BUOY Element type: Symbol	Survey/Mapping: SPARB BLACK SPARBUOY Element type: Symbol	Survey/Mapping: SPARBT BLACK SPAR BUOY W TOPMARK Element type: Symbol
		
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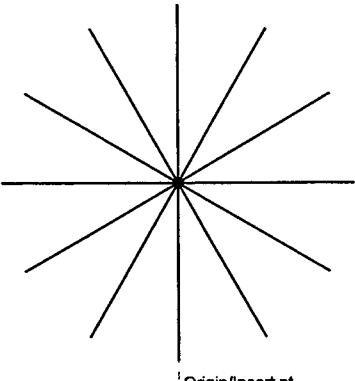
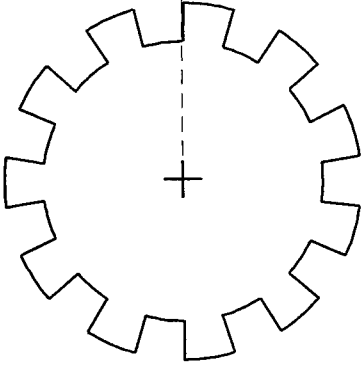
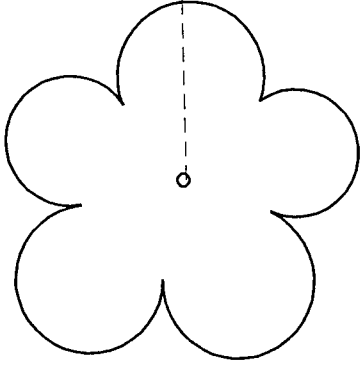
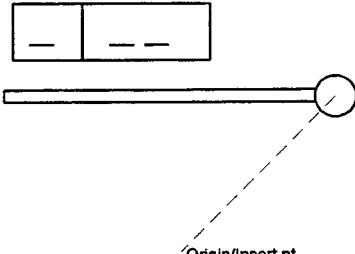
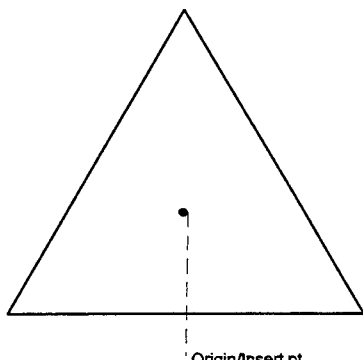
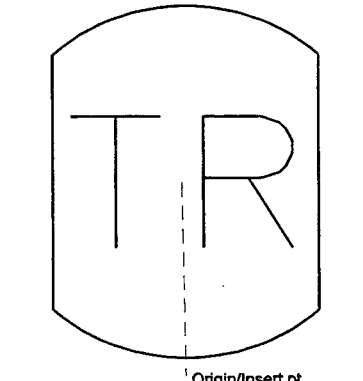
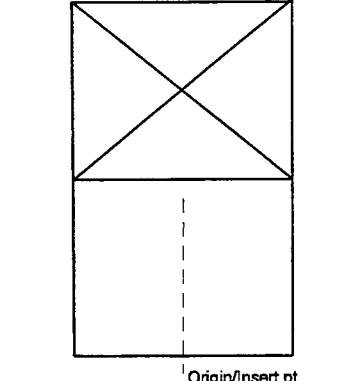
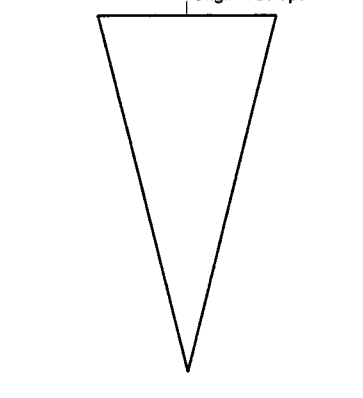
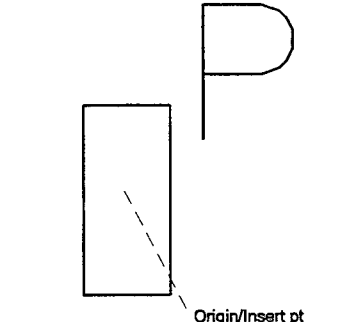
		
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Survey/Mapping: SPILE SUBMERGED PILING Element type: Symbol	Survey/Mapping: SPILE1 SUBMERGED PILES Element type: Symbol	Survey/Mapping: SPILES SUBMERGED PILES Element type: Symbol
		
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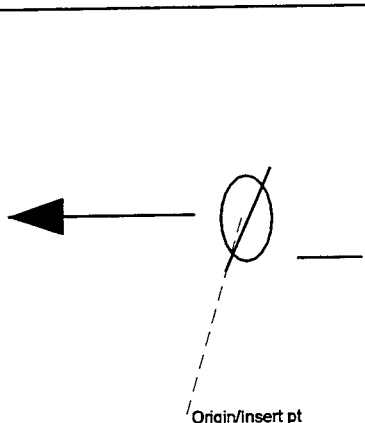
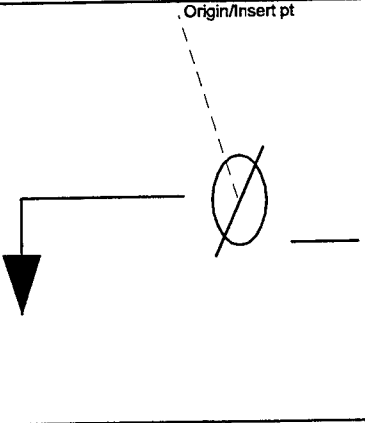
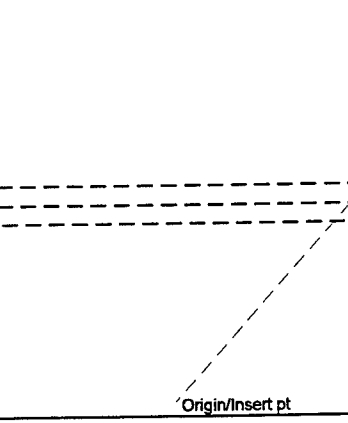
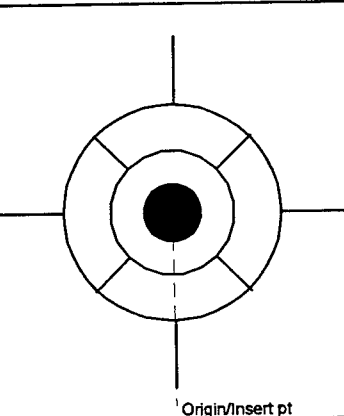
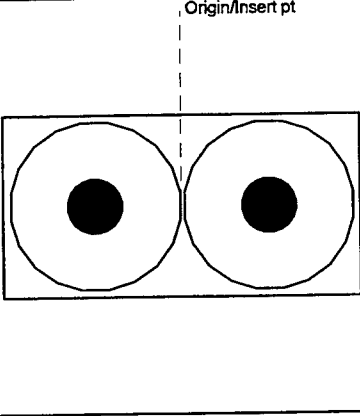
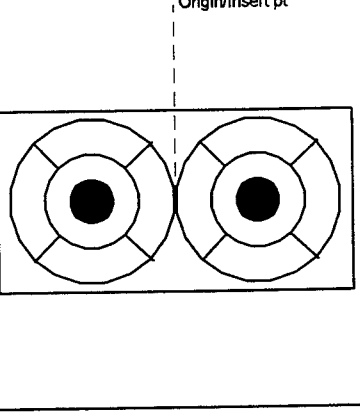
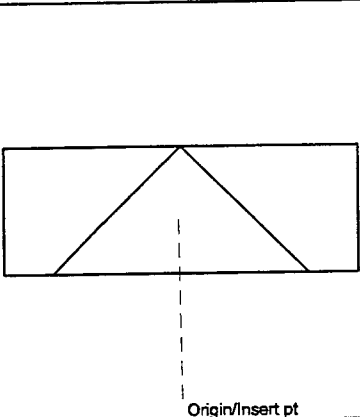
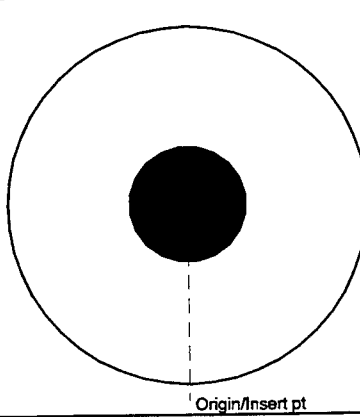
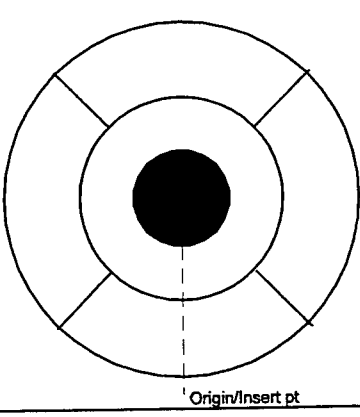
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Survey/Mapping: SPTANK SEPTIC TANK Element type: Symbol	Survey/Mapping: SSLSTA SANITARY SEWER LIFT STATION Element type: Symbol	Survey/Mapping: STAKE STAKE PERCH Element type: Symbol
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Survey/Mapping: STAKEX STAKE WITH POSITION Element type: Symbol	Survey/Mapping: STHWY STATE HIGHWAY SYMBOL Element type: Symbol	Survey/Mapping: STMPIT STEAM PIT Element type: Symbol
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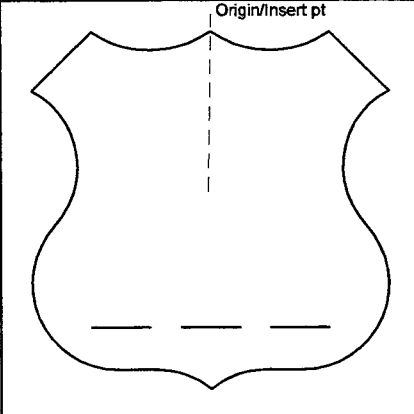
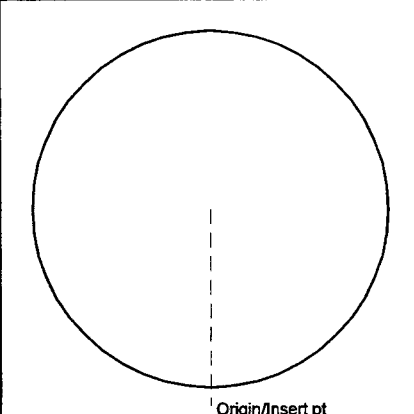
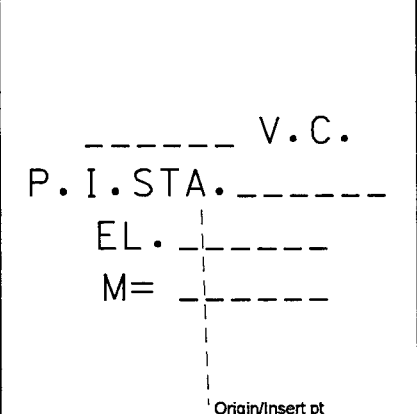
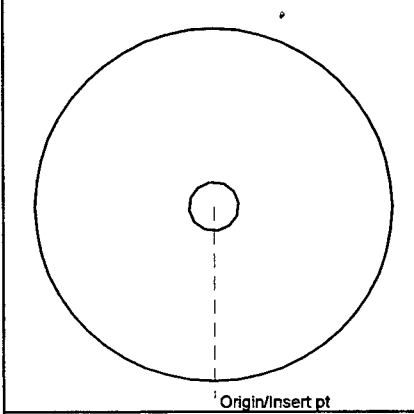
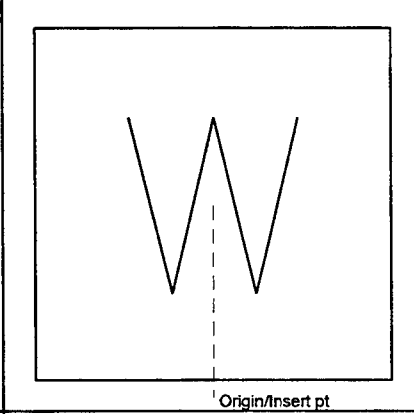
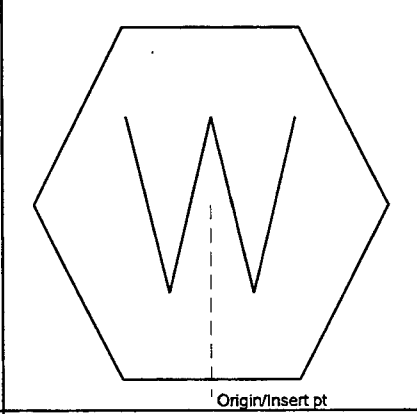
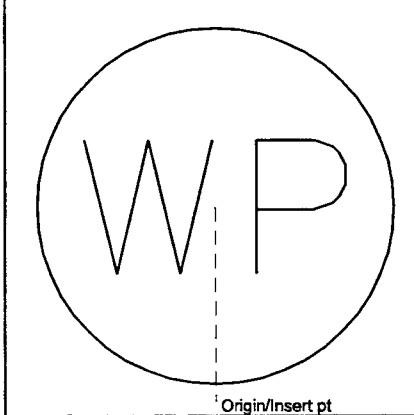
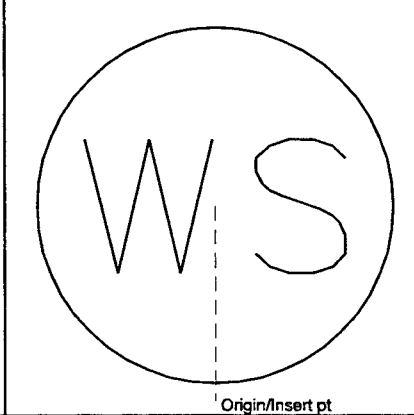
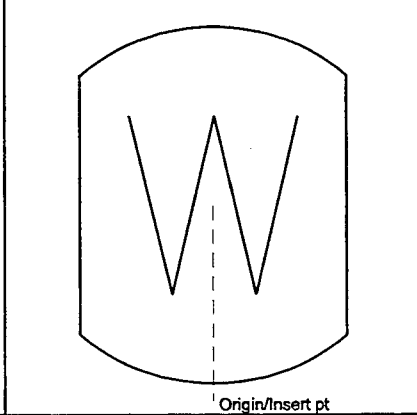
		
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Survey/Mapping: SWAMP SWAMP Element type: Symbol	Survey/Mapping: SWELB1 SUBMERGED WELL W BUOY Element type: Symbol	Survey/Mapping: SWELB2 SUBMERGED WELL W BUOY Element type: Symbol
		
Survey/Mapping: SWELL5 SUBMERGED PROD WELL Element type: Symbol	Survey/Mapping: SWPADX SWITCH_PAD_EXIST Element type: Symbol	Survey/Mapping: TDZL TOUCHDOWN ZONE LIGHT Element type: Symbol

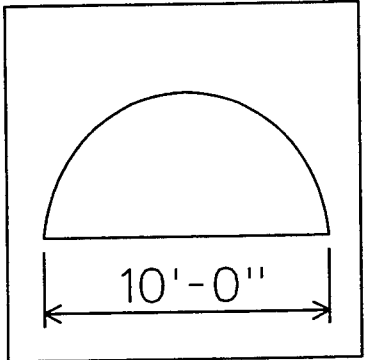
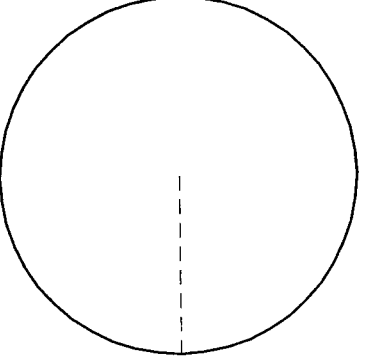
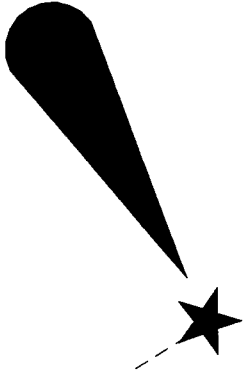
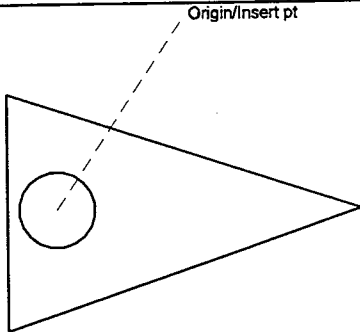
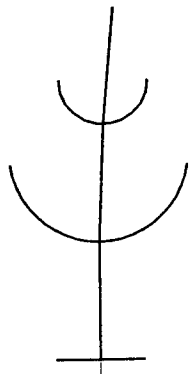
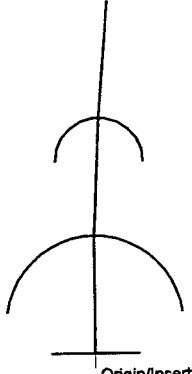
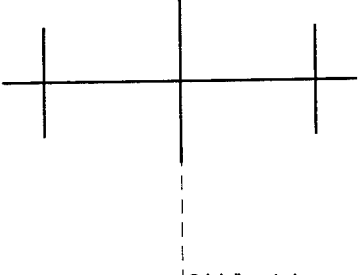
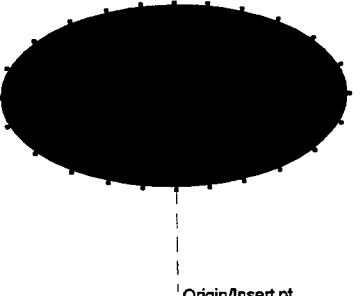
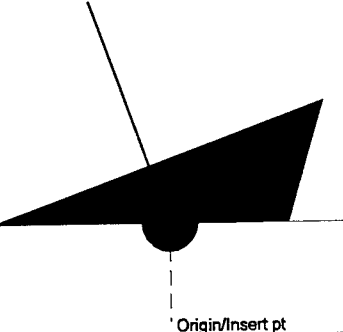
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Survey/Mapping: TELBBB TELEGRAPHIC BARREL BUOY BLK Element type: Symbol	Survey/Mapping: THL THRESHOLD LIGHT Element type: Symbol	Survey/Mapping: TIDEG TIDE GAGE Element type: Symbol
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Survey/Mapping: TIDSTF TIDESTAFF Element type: Symbol	Survey/Mapping: TIRETR TIRE TREDDLE Element type: Symbol	Survey/Mapping: TNKBG TANK BELOW GROUND Element type: Symbol
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Survey/Mapping: TNKHAG TANK HORIZ ABOVE GROUND Element type: Symbol	Survey/Mapping: TNKVAG TANK VERTICAL ABOVE GROUND Element type: Symbol	Survey/Mapping: TOW1 BEACON TOWER Element type: Symbol

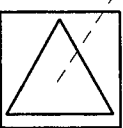
		
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Survey/Mapping: TOWBT1 BLACK BEACON TOWER W TOP Element type: Symbol	Survey/Mapping: TOWBT2 BLACK BEACON TOWER W TOP Element type: Symbol	Survey/Mapping: TOWER TRANSMISSION TOWER Element type: Symbol
		
Survey/Mapping: TOWW WHITE BEACON TOWER Element type: Symbol	Survey/Mapping: TOWWT1 WHITE BEACON TOWER W TOP Element type: Symbol	Survey/Mapping: TOWWT2 WHITE BEACON TOWER W T Element type: Symbol

		
Survey/Mapping: TREEC CONIFEROUS TREE Element type: Symbol	Survey/Mapping: TREED DECIDUOUS TREE Element type: Symbol	Survey/Mapping: TREEG GENERIC TREE Element type: Symbol
		
Survey/Mapping: TRFSIG TRAFFIC SIGNAL MAST ARM Element type: Symbol	Survey/Mapping: TRIPNT TRIANGULATION POINT Element type: Symbol	Survey/Mapping: TRVALT TRANSFORMER VAULT Element type: Symbol
		
Survey/Mapping: TSCTRL TR SIGNAL CONTROLLER Element type: Symbol	Survey/Mapping: TSHEAD TRAFFIC SIGNAL HEAD Element type: Symbol	Survey/Mapping: TSPBX TR SIGNAL PULLBOX Element type: Symbol

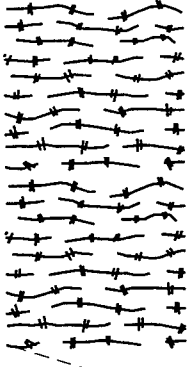
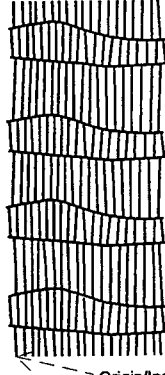
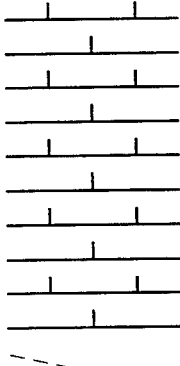
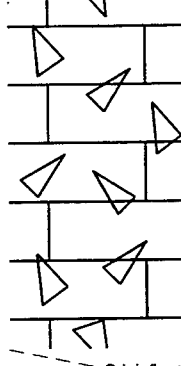
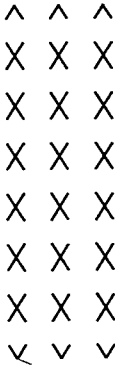
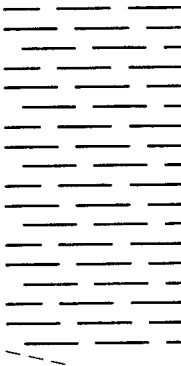
		
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Survey/Mapping: TWCLL TW CENTERLINE LIGHT Element type: Symbol	Survey/Mapping: TWELEL TW END LIGHT ELEVATED Element type: Symbol	Survey/Mapping: TWLSF TW END LIGHT SEMIFLUSH Element type: Symbol
		
Survey/Mapping: TWGSGN TW GUIDANCE SIGN Element type: Symbol	Survey/Mapping: TWLEL TW EDGE LIGHT ELEVATED Element type: Symbol	Survey/Mapping: TWLSF TW EDGE LIGHT SEMIFLUSH Element type: Symbol

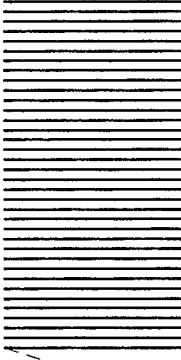
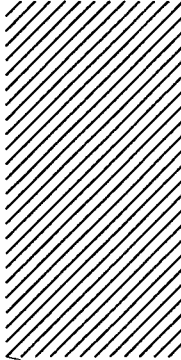
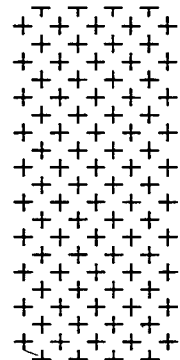
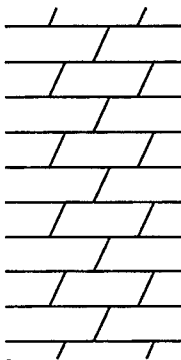
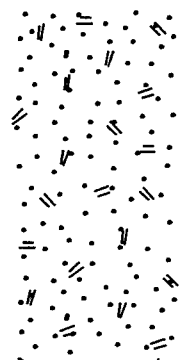
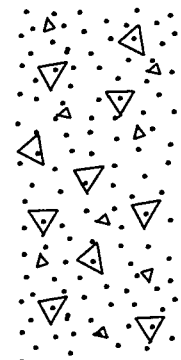
		
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Survey/Mapping: VERCPT VERTICAL CONTROL POINT Element type: Symbol	Survey/Mapping: WAHHOL WATER HANDHOLE Element type: Symbol	Survey/Mapping: WAMETR WATER METER Element type: Symbol
		
Survey/Mapping: WAPLNT WATER PLANT Element type: Symbol	Survey/Mapping: WASOFT WATER SOFTENER Element type: Symbol	Survey/Mapping: WAVALT WATER VALVE VAULT Element type: Symbol

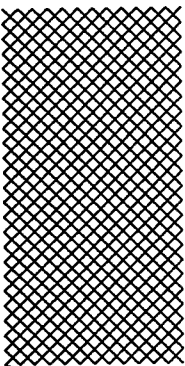
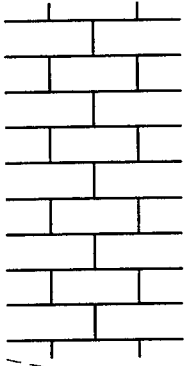
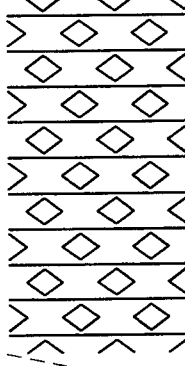
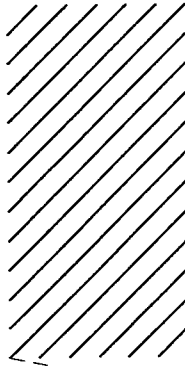
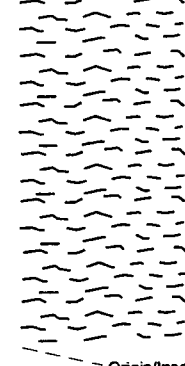
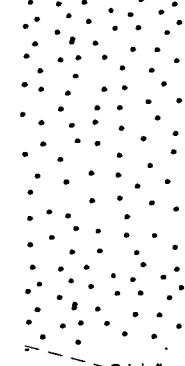
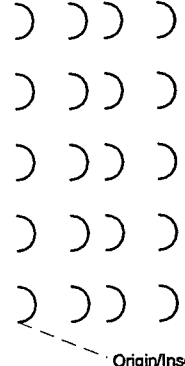
		
Survey/Mapping: WEIR WEIR Element type: Symbol	Survey/Mapping: WELL1 ABOVE WATER WELLHEAD Element type: Symbol	Survey/Mapping: WELL3 ABOVE WATER WELLHEAD Element type: Symbol
		
Survey/Mapping: WINDCN WINDCONE Element type: Symbol	Survey/Mapping: WITHYP PORT HAND WITHY Element type: Symbol	Survey/Mapping: WITHYS STARBOARD HAND WITHY Element type: Symbol
		
Survey/Mapping: WRECK WRECK NOT DANGEROUS Element type: Symbol	Survey/Mapping: WRKDNG DANGER WRECK DEPTH UNKNOWN Element type: Symbol	Survey/Mapping: WRKEXP WRECK PARTLY EXPOSED Element type: Symbol

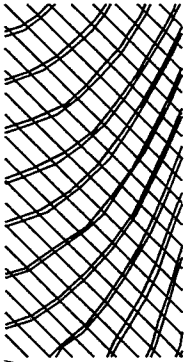
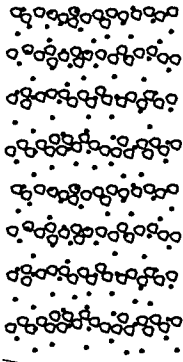
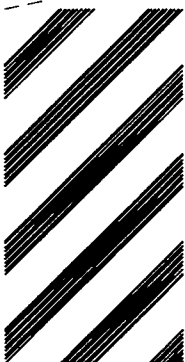
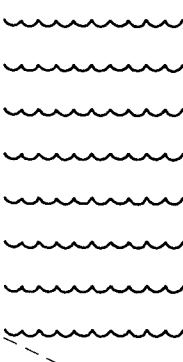
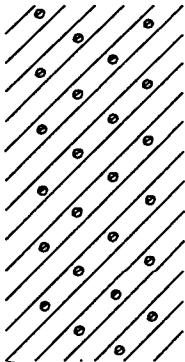
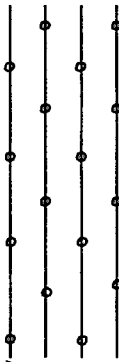
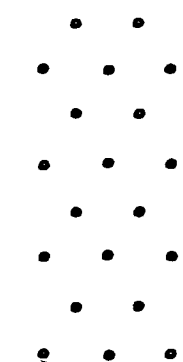
 	 
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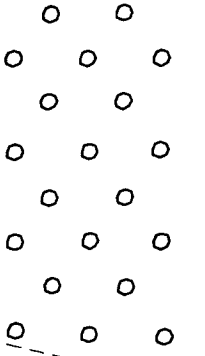
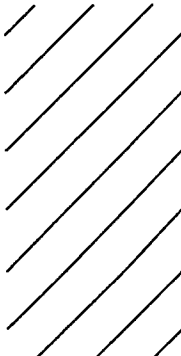
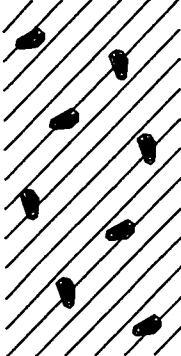
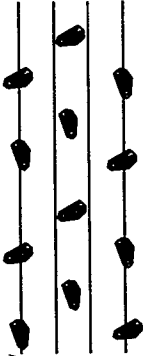
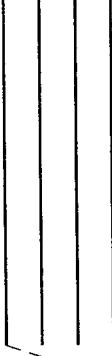
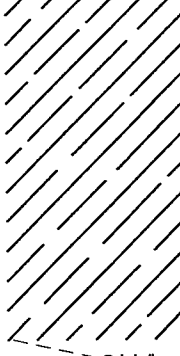
4 Geotechnical Patterns Library

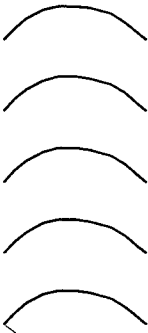
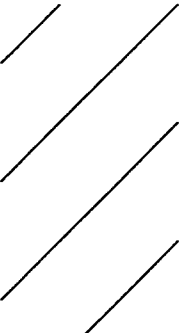
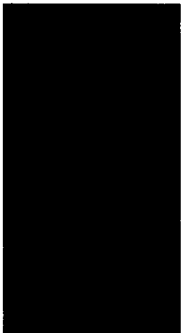
		
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Geotechnical: BRECCA BRECCIA Element type: Pattern	Geotechnical: CHALK CHALK OR MARL Element type: Pattern	Geotechnical: CHERT CHERT Element type: Pattern
		
Geotechnical: CLAYST CLAYSTONE OR SILTSTONE Element type: Pattern	Geotechnical: CMPSHL COMPACTION SHALE Element type: Pattern	Geotechnical: COAL COAL Element type: Pattern

 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: CONGLM CONGLOMERATE Element type: Pattern	Geotechnical: CSHALE CEMENTED SHALE Element type: Pattern	Geotechnical: CSJNT CLOSELY SPACED JOINTS Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: DIORIT DIORITE Element type: Pattern	Geotechnical: DOLOM DOLOMITE Element type: Pattern	Geotechnical: GABBRO GABBRO Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: GNEISS GNEISS Element type: Pattern	Geotechnical: GRANIT GRANITE Element type: Pattern	Geotechnical: GRAYWC GRAYWACKE Element type: Pattern

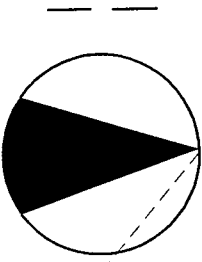
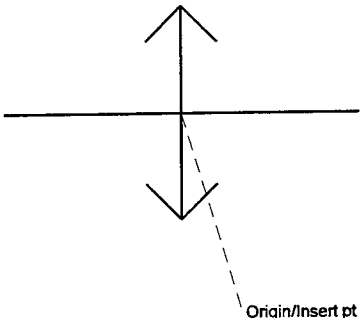
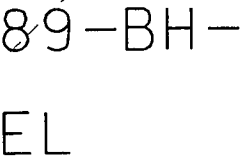
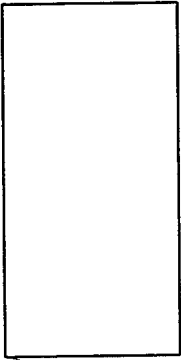
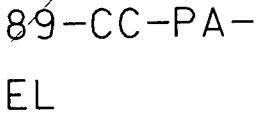
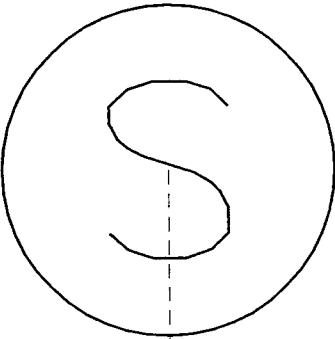
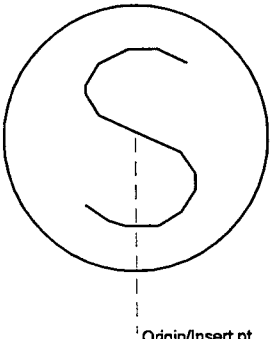
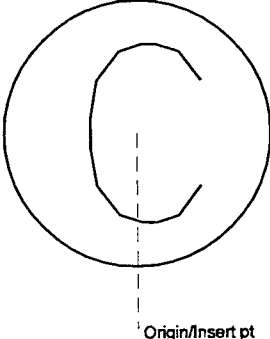
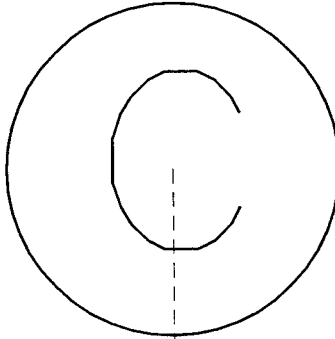
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 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: MSJNT MODERATELY SPACED JOINTS Element type: Pattern	Geotechnical: QUARTZ QUARTZITE Element type: Pattern	Geotechnical: RHYOLT RHYOLITE Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: SANDST SANDSTONE Element type: Pattern	Geotechnical: SCHIST SCHIST Element type: Pattern	Geotechnical: SHELL SHELLS Element type: Pattern

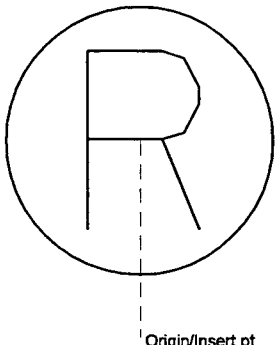
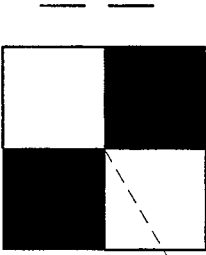
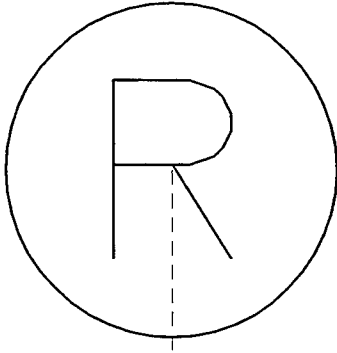
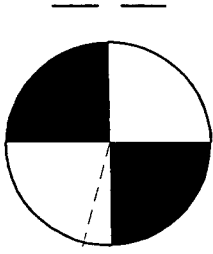
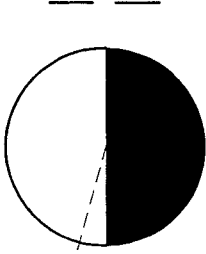
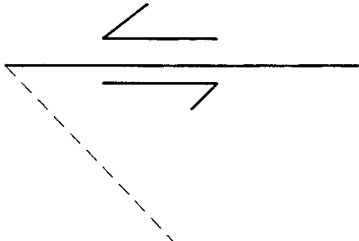
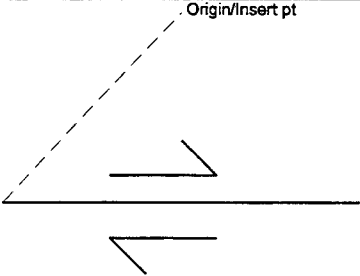
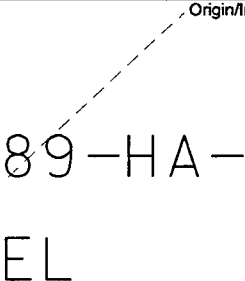
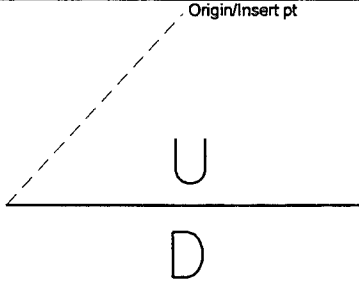
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: SLATE SLATE Element type: Pattern	Geotechnical: SOAPST SOAPSTONE OR SERPENTINE Element type: Pattern	Geotechnical: TUFF TUFF OR TUFF BRECCIA Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: USCS1 USCS SOIL SYMBOL Element type: Pattern	Geotechnical: USCS10 OL ORGANIC CLAY OR SILT LOW Element type: Pattern	Geotechnical: USCS11 PT PEAT Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: USCS12 SC CLAYEY SAND Element type: Pattern	Geotechnical: USCS13 SM SILTY SAND Element type: Pattern	Geotechnical: USCS14 SP POORLY GRADED SAND Element type: Pattern

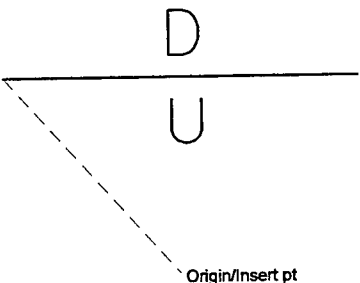
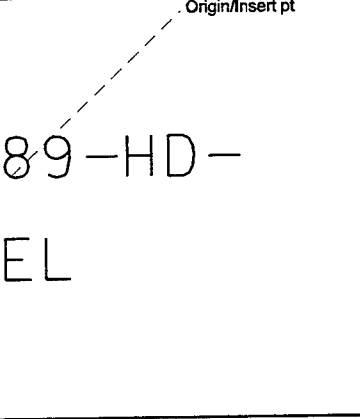
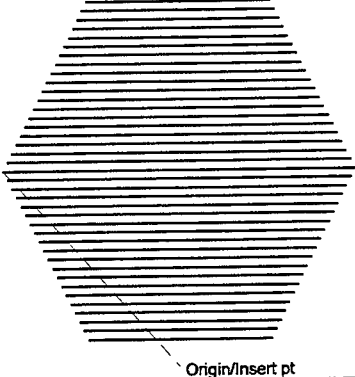
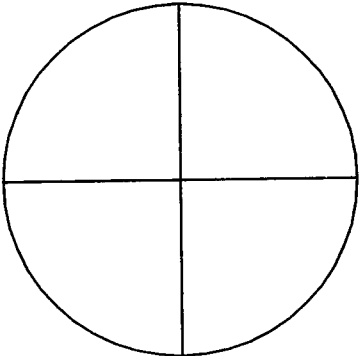
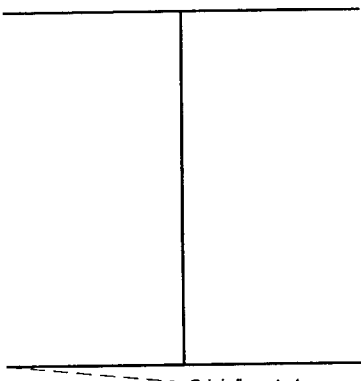
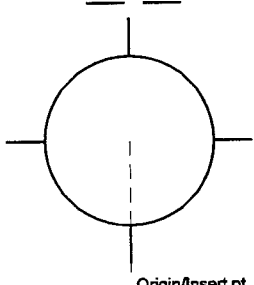
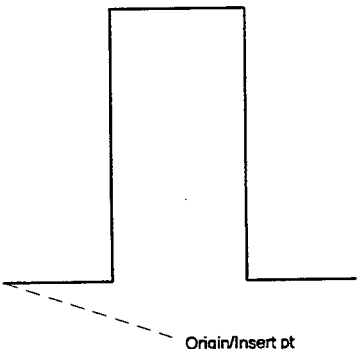
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: USCS15 SW WELL GRADED SAND Element type: Pattern	Geotechnical: USCS2 CL LEAN CLAY Element type: Pattern	Geotechnical: USCS3 GC CLAYEY GRAVEL Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: USCS4 GM SILTY GRAVEL Element type: Pattern	Geotechnical: USCS5 GP POORLY GRADED GRAVEL Element type: Pattern	Geotechnical: USCS6 GW WELL GRADED GRAVEL Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: USCS7 MH INORGANIC SILT HIGH LIQUID Element type: Pattern	Geotechnical: USCS8 ML INORGANIC SILT LOW LIQUID Element type: Pattern	Geotechnical: USCS9 OH ORGANIC CLAY OR SILT HIGH LIQUID Element type: Pattern

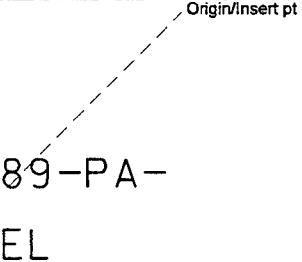
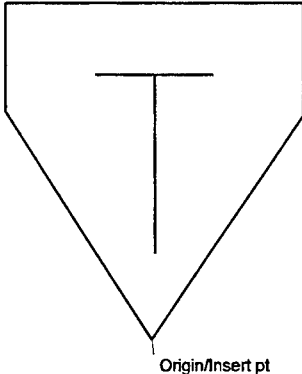
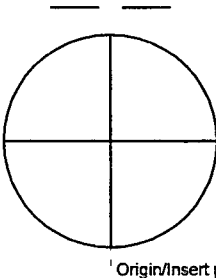
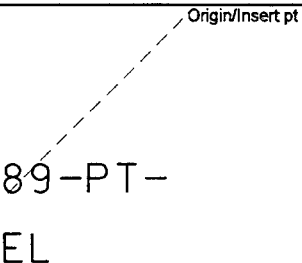
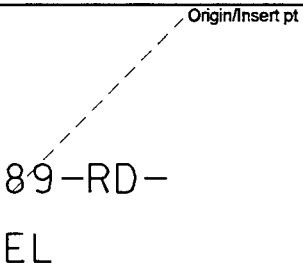
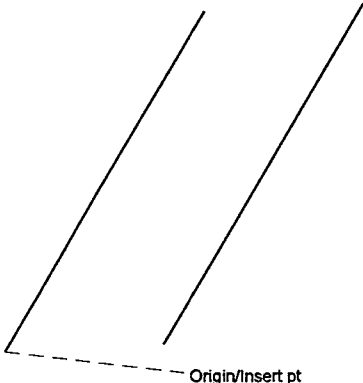
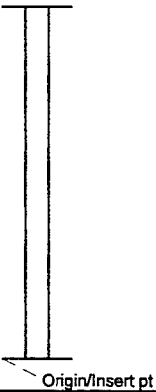
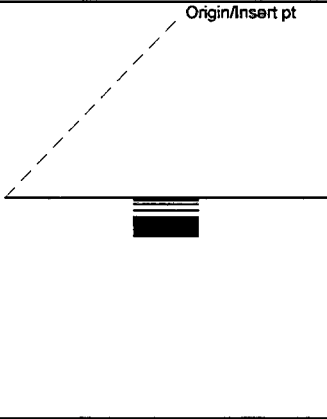
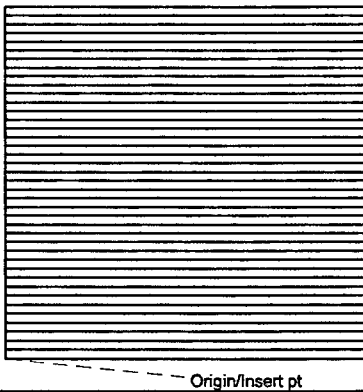
		
Geotechnical: WOOD WOOD SYMBOL Element type: Pattern	Geotechnical: WSJNT WIDELY SPACED JOINTS Element type: Pattern	Geotechnical: ZONECL ZONES OF CORE LOSS Element type: Pattern

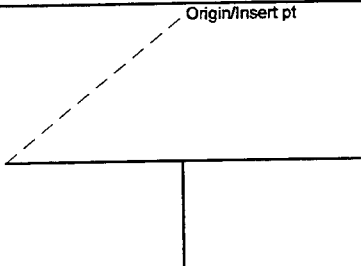
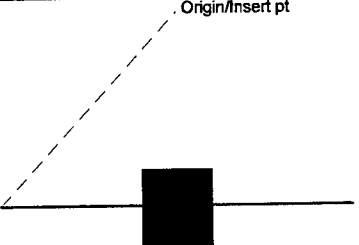
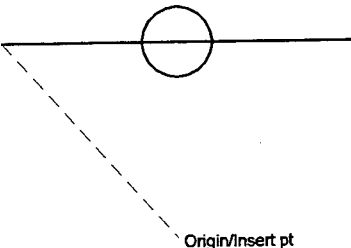
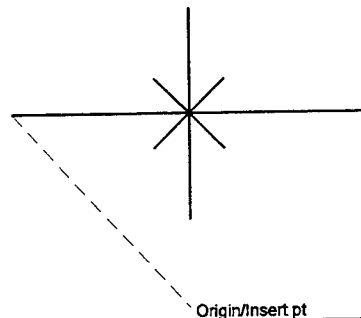
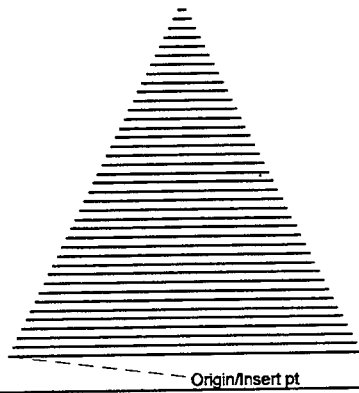
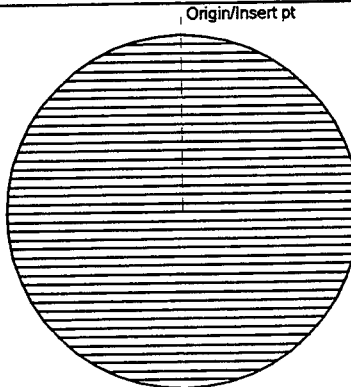
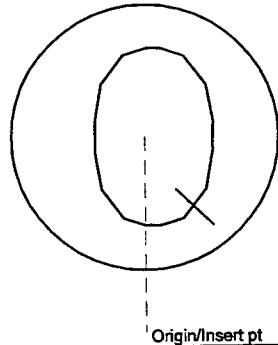
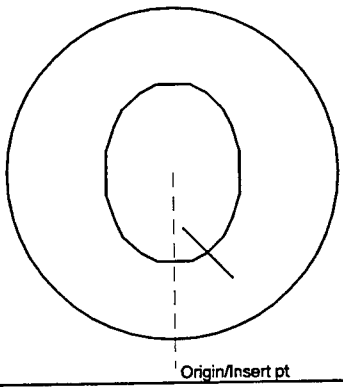
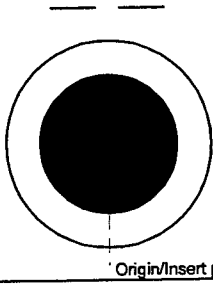
4 Geotechnical Symbols Library

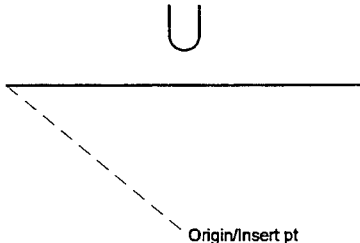
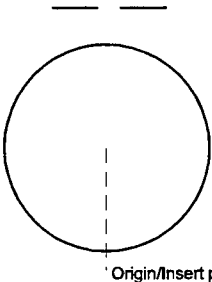
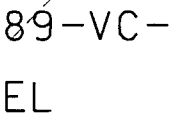
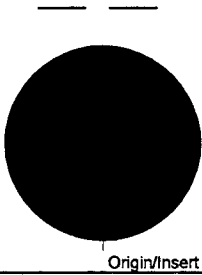
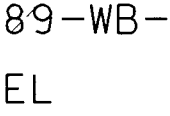
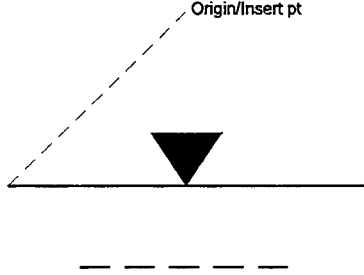
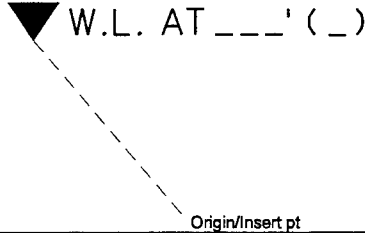
		
Geotechnical: ANCHOL ANG CORED HOLE AR EQ D Element type: Symbol	Geotechnical: ANTICL ANTICLINE Element type: Symbol	Geotechnical: BHHNUM BACKHOE HOLE NUMBER Element type: Symbol
		
Geotechnical: BOLOGR BORING LOG REFUSAL Element type: Symbol	Geotechnical: CCHNUM CONCRETE CORE HOLE NO. Element type: Symbol	Geotechnical: CDRDSH CONSOL DRAINED DIR SHEAR Element type: Symbol
		
Geotechnical: CONDRA CONSOLIDATED DRAINED Element type: Symbol	Geotechnical: CONSOL CONSOLIDATION Element type: Symbol	Geotechnical: CONTST CONSOLIDATION TEST Element type: Symbol

 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: CONUDR CONSOLIDATED UNDRAINED Element type: Symbol	Geotechnical: CPNHOL CONE PENETROMETER HOLE Element type: Symbol	Geotechnical: CUDRTT CONSOL UNDRND TRIAXIAL TEST Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: DSCHOL DRIVE SAMPLED SPT AND COR Element type: Symbol	Geotechnical: DSHOL DRIVE SAMPLE SPT HOLE Element type: Symbol	Geotechnical: FBLOCK1 FAULT BLOCK MOVEMENT 1 Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Geotechnical: FBLOCK2 FAULT BLOCK MOVEMENT 2 Element type: Symbol	Geotechnical: HAHNUM HAND AUGER HOLE NUMBER Element type: Symbol	Geotechnical: HANGF1 HIGH ANGLE FAULT 1 Element type: Symbol

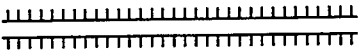
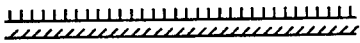
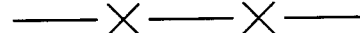
		
Geotechnical: HANGF2 HIGH ANGLE FAULT 2 Element type: Symbol	Geotechnical: HDHNUM HAND DUG HOLE NUMBER Element type: Symbol	Geotechnical: HEXAGN HEXAGON SYMBOL Element type: Symbol
		
Geotechnical: HOLNUM HOLE NUMBER ELEVATION Element type: Symbol	Geotechnical: HRZBED HORIZONTAL BEDS Element type: Symbol	Geotechnical: MOISTC MOISTURE CONTENT Element type: Symbol
		
Geotechnical: NSAHOL NONSAMPLED AREA OF HOL Element type: Symbol	Geotechnical: OBSHOL PIEZOMETER OR OBSERVAT HOLE Element type: Symbol	Geotechnical: OPBLOG OPEN BORING LOG Element type: Symbol

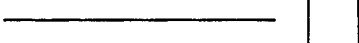
 89-PA- EL		
Geotechnical: PAHNUM POWER AUGER HOLE NUMBER Element type: Symbol	Geotechnical: PIEZOM PIEZOMETER Element type: Symbol	Geotechnical: PROPEX PROPOSED EXPLORATION Element type: Symbol
 89-PT- EL	 89-RD- EL	
Geotechnical: PTHNUM PERC TEST HOLE NUMBER Element type: Symbol	Geotechnical: RDHNUM ROTARY DRILL HOLE NUMBER Element type: Symbol	Geotechnical: RSLASH REFUSAL SLASHES Element type: Symbol
		
Geotechnical: SAMPLE SAMPLE Element type: Symbol	Geotechnical: SDIJNT STRIKE DIP OF INCLINED Element type: Symbol	Geotechnical: SQUARE SQUARE SYMBOL Element type: Symbol

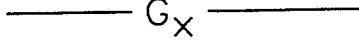
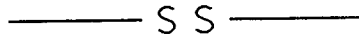
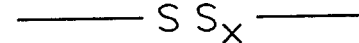
		
Geotechnical: STRKDP STRIKE DIP Element type: Symbol	Geotechnical: STRKVJ STRIKE OF VERTICAL JOI Element type: Symbol	Geotechnical: STRKVP STRIKE W VERTICAL DIP Element type: Symbol
		
Geotechnical: SYNCLN SYNCLINE Element type: Symbol	Geotechnical: TRIANG TRIANGLE SYMBOL Element type: Symbol	Geotechnical: TSTHOL TEST HOLE SYMBOL Element type: Symbol
		
Geotechnical: UCONUD UNCONSOLIDATED UNDRAINED Element type: Symbol	Geotechnical: UCONUT UNCONSOL UNDRND TAXIAL TEST Element type: Symbol	Geotechnical: UDENIS UNDISTURBED DENIS OR PUSH Element type: Symbol

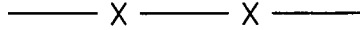
		
Geotechnical: ULIMIT UNSATISFACTORY LIMIT Element type: Symbol	Geotechnical: VCHOL VERTICAL CORE HOLE Element type: Symbol	Geotechnical: VHNUM VIBRACORE HOLE NUMBER Element type: Symbol
		
Geotechnical: WASHBR WASHBORED Element type: Symbol	Geotechnical: WBHNUM WASH BORING HOLE NUMBER Element type: Symbol	Geotechnical: WLEVDL WATER LEVEL DATA LEFT Element type: Symbol
 Geotechnical: WTRLEV WATER LEVEL Element type: Symbol		

5 Civil Lines Library

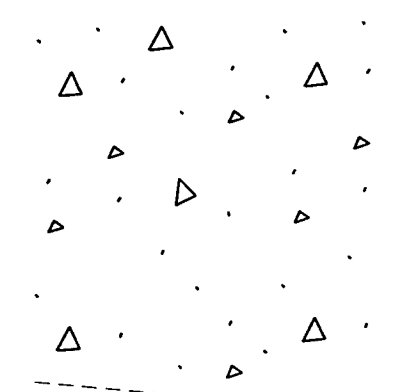
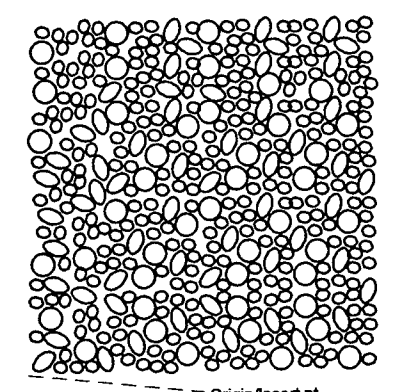
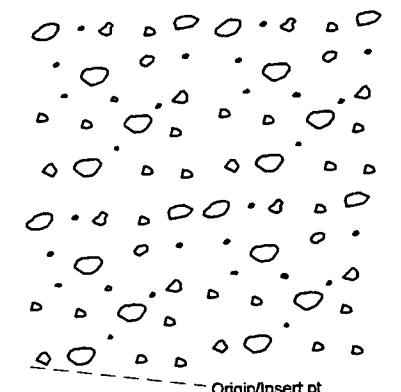
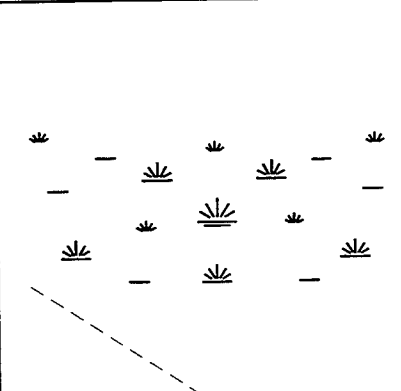
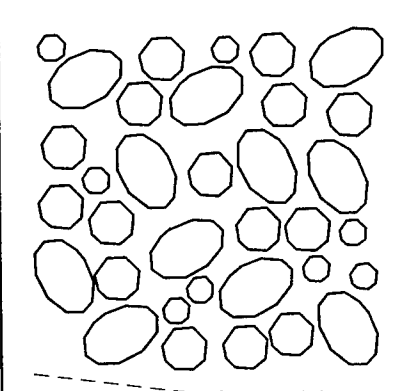
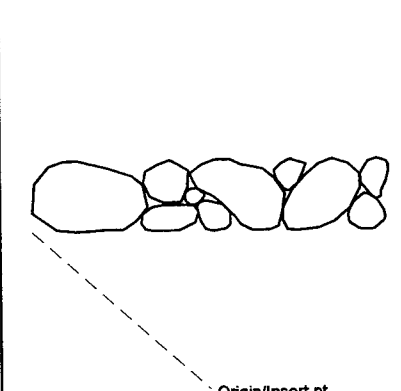
		
Civil: BARDIT DITCH BARRIER Element type: Line	Civil: BARDTB DITCH AND BEAM BARRIER Element type: Line	Civil: BARGEN GENERIC SECURITY BARRIER Element type: Line
		
Civil: BARMAS SECURITY MASONRY BARRIER Element type: Line	Civil: CONLMT CONSTRUCTION LIMIT Element type: Line	Civil: CULVRT CULVERT PIPE Element type: Line
		
Civil: DITCH DITCH LINE Element type: Line	Civil: FENCE FENCE Element type: Line	Civil: FIRE FIRE PROTECTION WATR SUPPLY Element type: Line

		
Civil:FUELOR FUEL OIL RETURN Element type: Line	Civil:FUELOS FUEL OIL SUPPLY Element type: Line	Civil:FUELOV FUEL OIL TANK VENT Element type: Line
		
Civil:GOVTKL GOVERNMENT TAKING LINE Element type: Line	Civil:GUARD GUARD RAIL Element type: Line	Civil:INDXDC INDEX DEPTH CONTOUR Element type: Line
		
Civil:IWASTE INDUSTRIAL WASTE Element type: Line	Civil:LIQPET LIQUID PETROLEUM GAS Element type: Line	Civil:MINRDC MINOR DEPTH CONTOUR Element type: Line

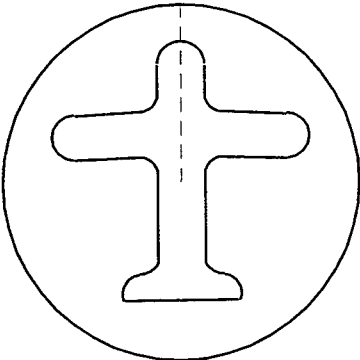
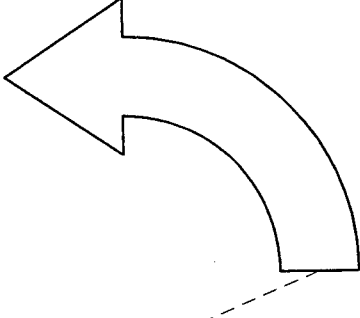
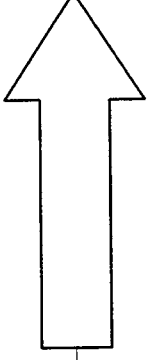
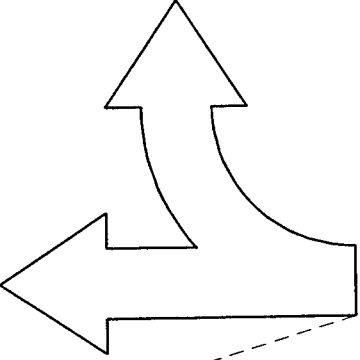
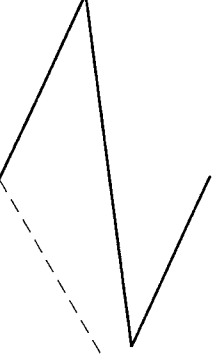
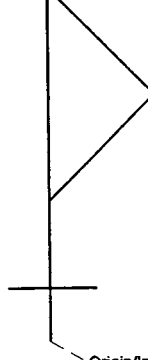
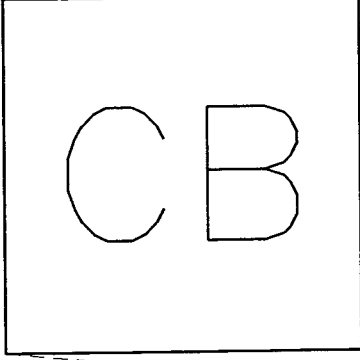
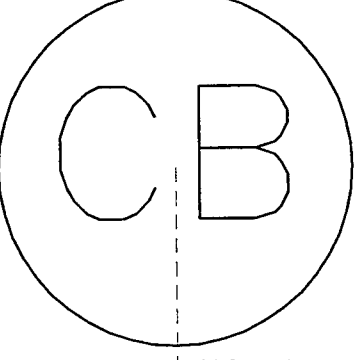
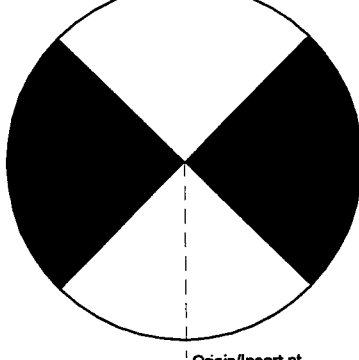
		
Civil:NONPOT NONPOTABLE WATER Element type: Line	Civil:NTGASN NATURAL GAS Element type: Line	Civil:NTGASX EXIST NATURAL GAS Element type: Line
		
Civil:PROJBL PROJECT BOUNDARY LINE Element type: Line	Civil:PROPL PROPERTY LINE Element type: Line	Civil:RAILRD RAILROAD Element type: Line
		
Civil:RTOFWY RIGHT OF WAY Element type: Line	Civil:SSWAF SANITARY SEWER Element type: Line	Civil:SSWAFX EXISTING SANITARY SEWER Element type: Line

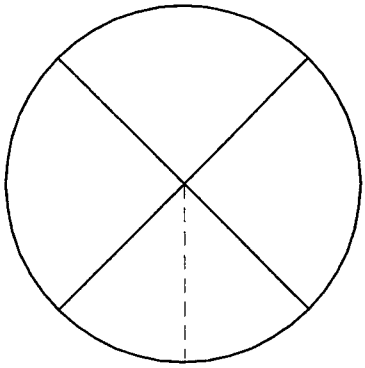
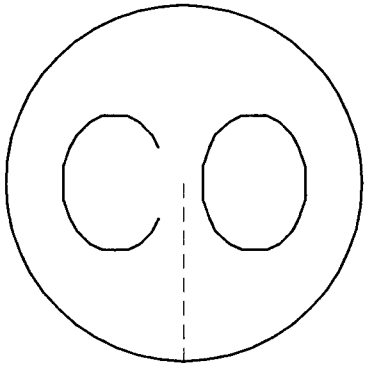
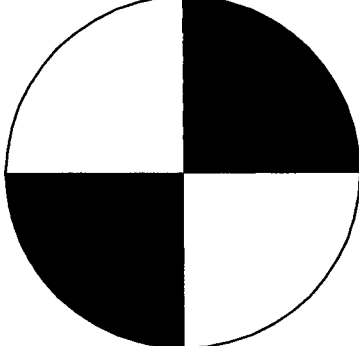
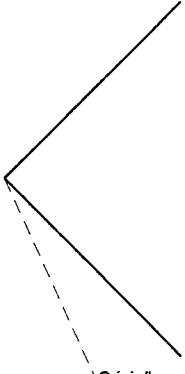
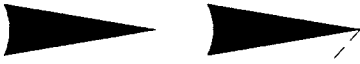
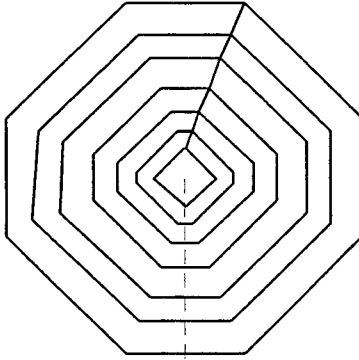
		
Civil:STRAF STORM DRAIN Element type: Line	Civil:STRAFX EXISTING STORM DRAIN Element type: Line	Civil:TREEL TREE LINE Element type: Line
		
Civil:WATERL WATER LINE Element type: Line	Civil:WATRX EXISTING WATER LINE Element type: Line	Civil:WWFBRC WELDED WIRE FABRIC Element type: Line

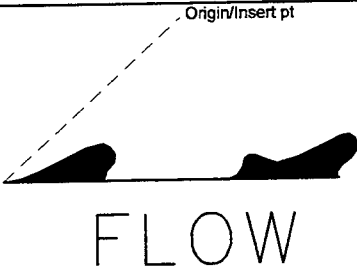
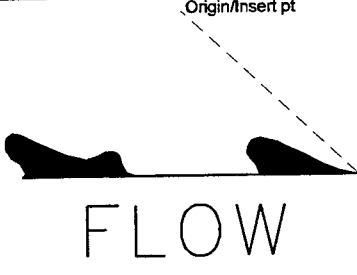
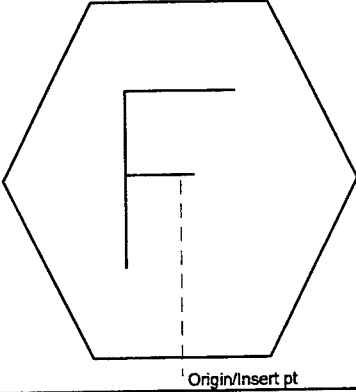
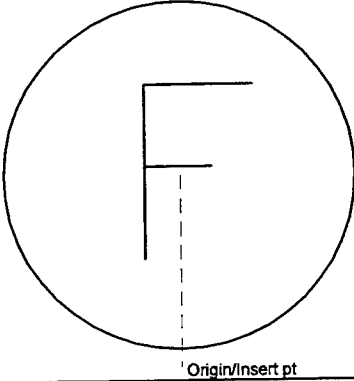
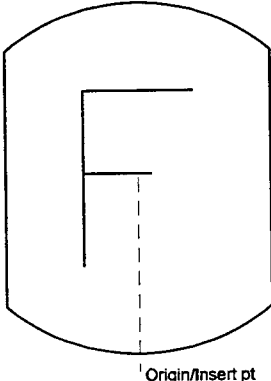
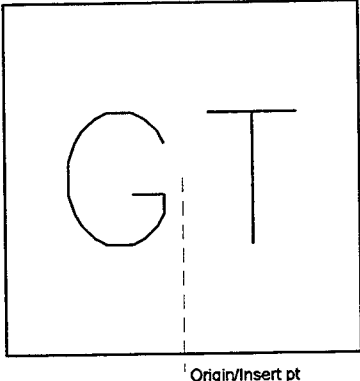
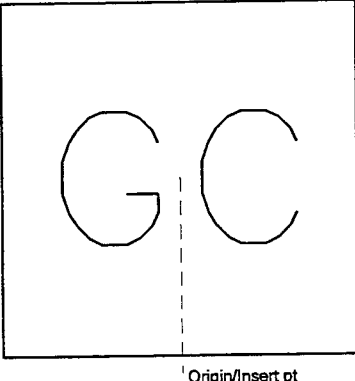
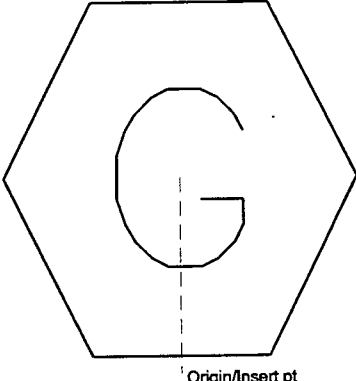
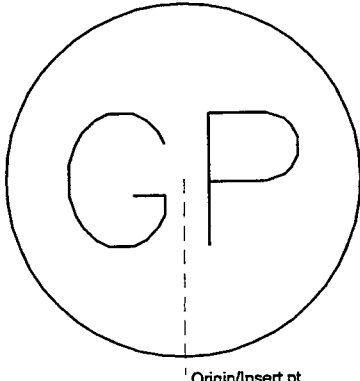
5 Civil Patterns Library

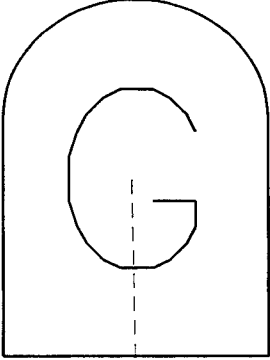
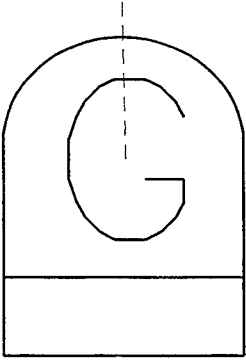
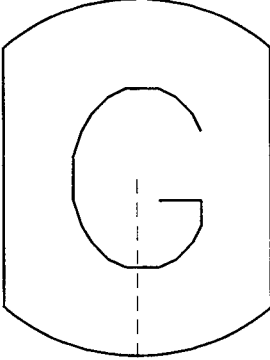
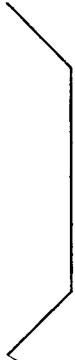
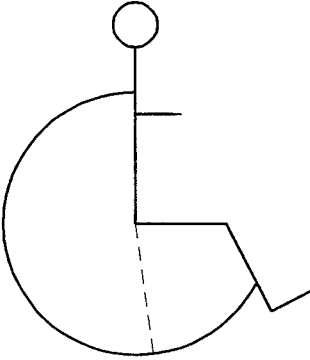
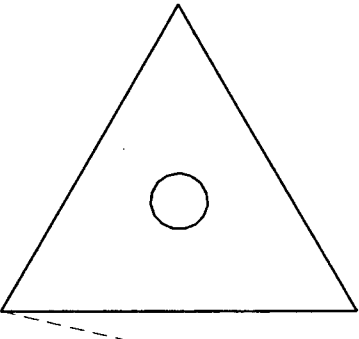
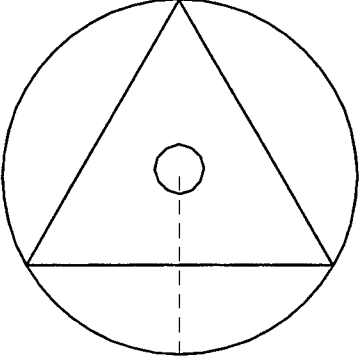
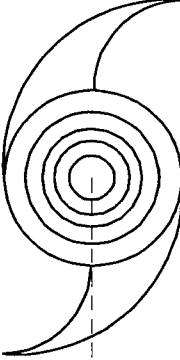
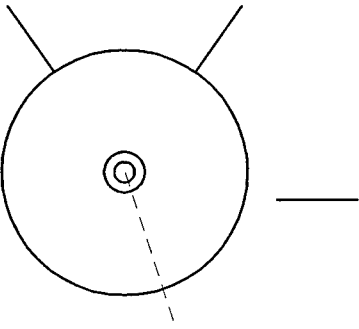
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Civil:CONCST CONCRETE STONE Element type: Pattern	Civil:FILTBD FILTRATION BED Element type: Pattern	Civil:GRAVEL GRAVEL Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Civil:LSWAMP LARGE SWAMP Element type: Pattern	Civil:POROUS POROUS Element type: Pattern	Civil:RIPRAP RIPRAP PATTERN Element type: Pattern

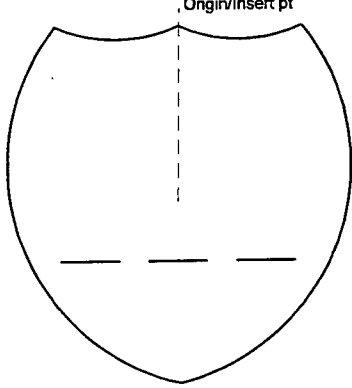
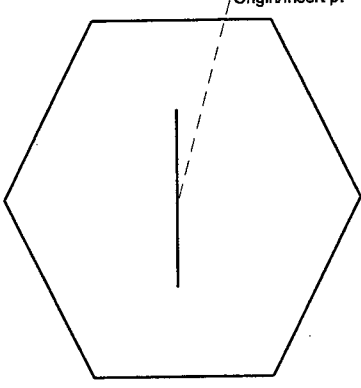
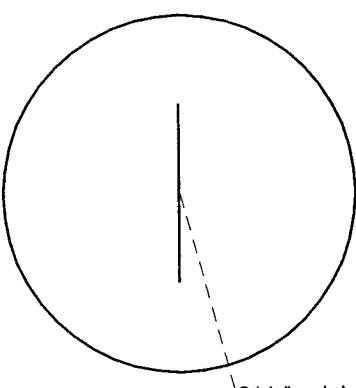
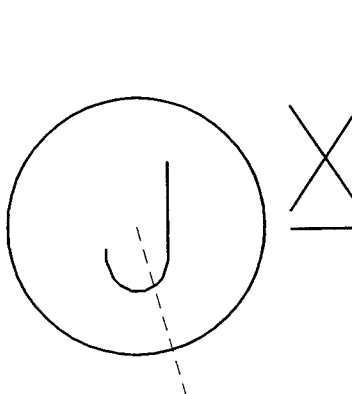
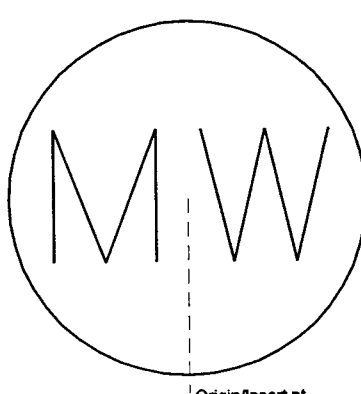
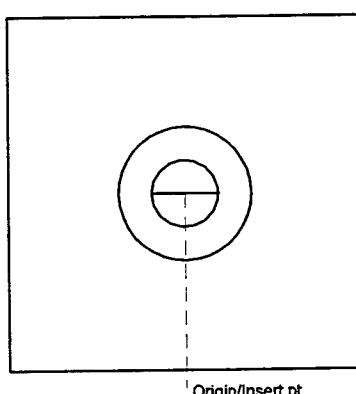
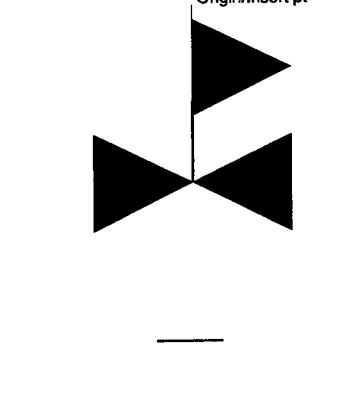
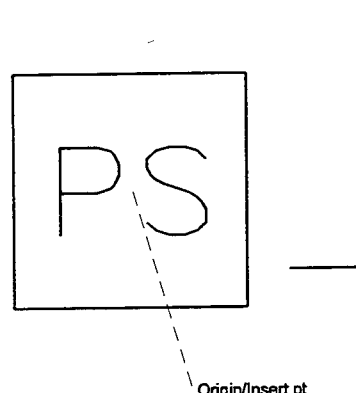
5 Civil Symbols Library

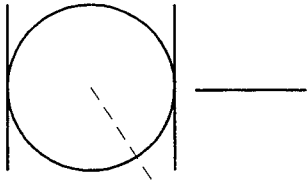
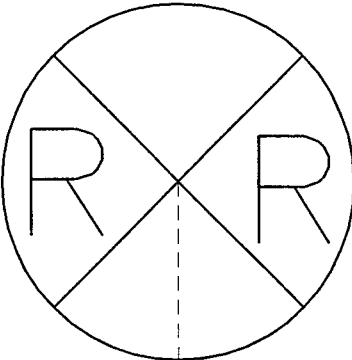
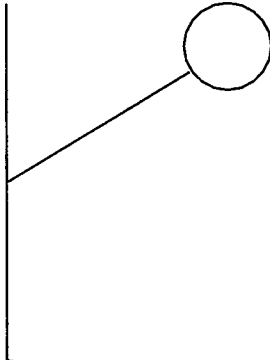
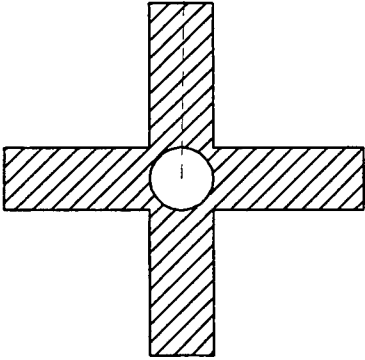
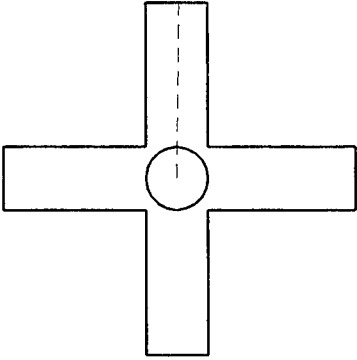
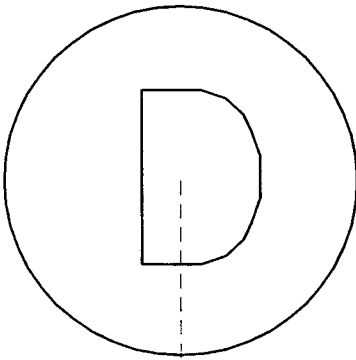
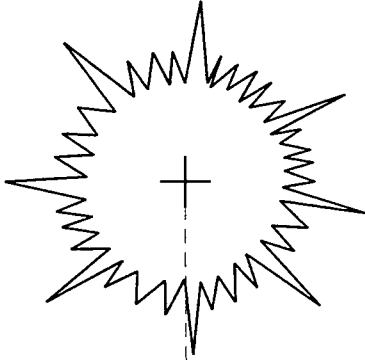
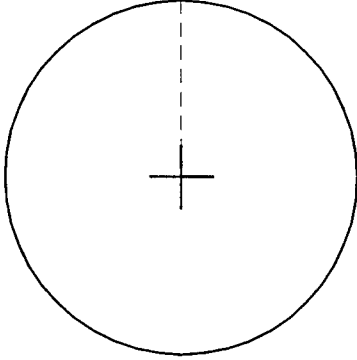
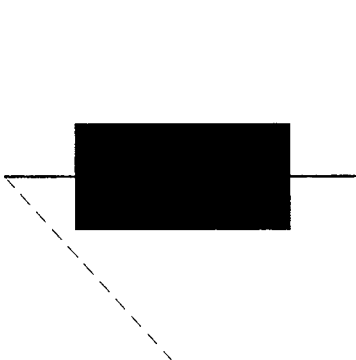
		
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Civil: ARRST STRAIGHT AND TURN ARROW Element type: Symbol	Civil: BREAK BREAK LINE SYMBOL Element type: Symbol	Civil: BUOY BUOY Element type: Symbol
		
Civil: CATBSN CATCH BASIN Element type: Symbol	Civil: CATBSR ROUND CATCH BASIN Element type: Symbol	Civil: CDHDR CORE DRILL HOLE DRILLED Element type: Symbol

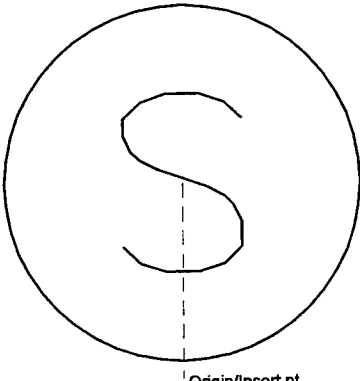
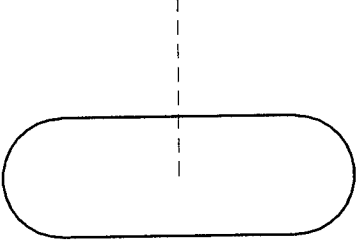
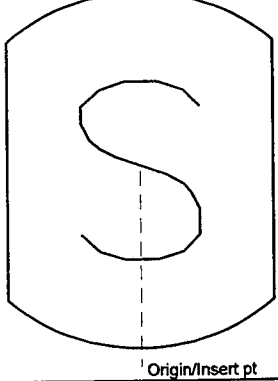
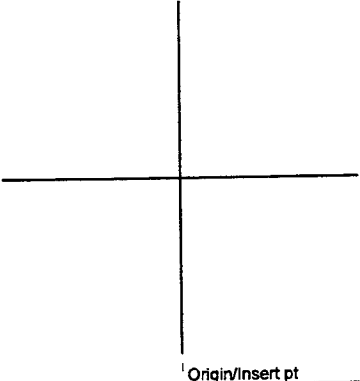
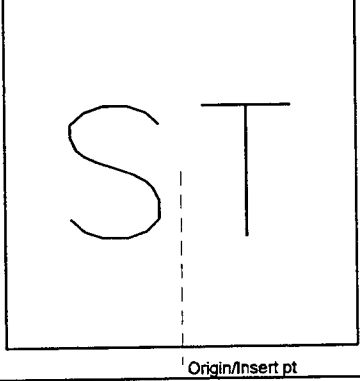
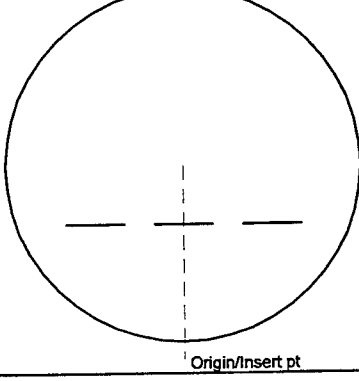
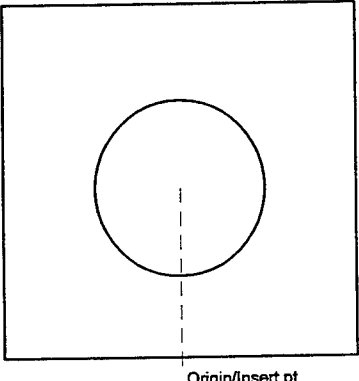
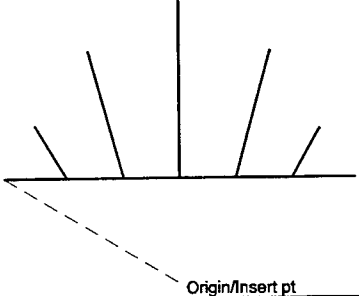
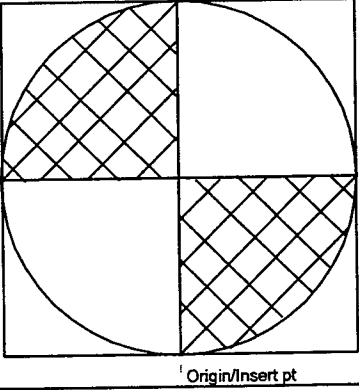
		
Civil:CDHUDR CORE DRILL HOLE UNDRILLED Element type: Symbol	Civil:CLNOUT CLEANOUT Element type: Symbol	Civil:CNR90 CORNER SOLID 90 Element type: Symbol
		
Civil:CNRSF CORNER SOLID FLAT Element type: Symbol	Civil:CNTLIN CENTERLINE SYMBOL Element type: Symbol	Civil:COGRAV CENTER OF GRAVITY SYMBOL Element type: Symbol
		
Civil:CULVEE CULVERT END SYMBOL Element type: Symbol	Civil:DBLARR DOUBLE ARROW TERMINATOR Element type: Symbol	Civil:DRLHOL DRILL HOLE Element type: Symbol

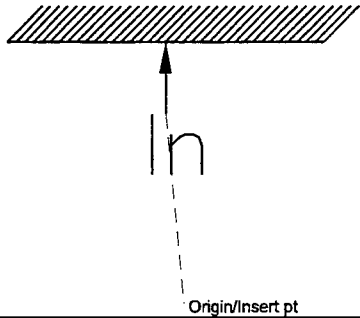
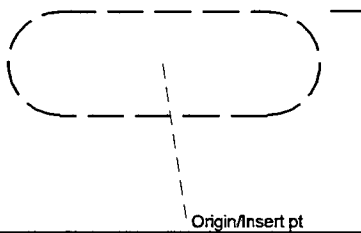
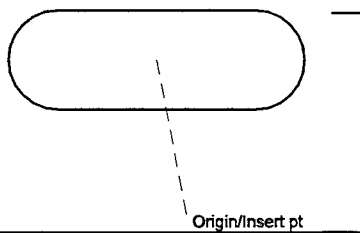
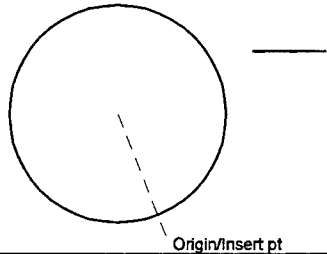
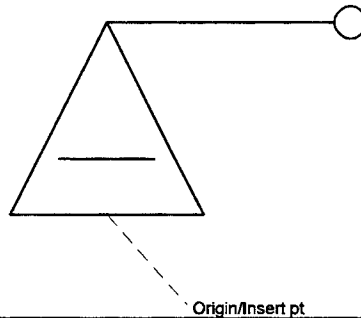
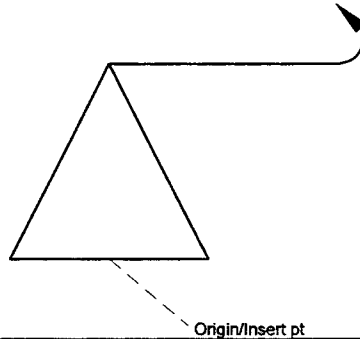
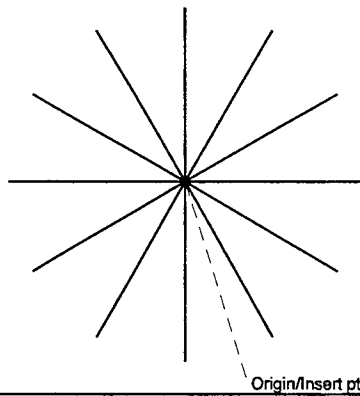
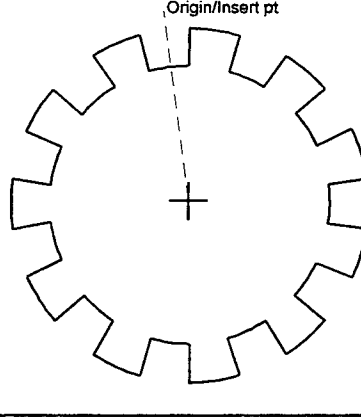
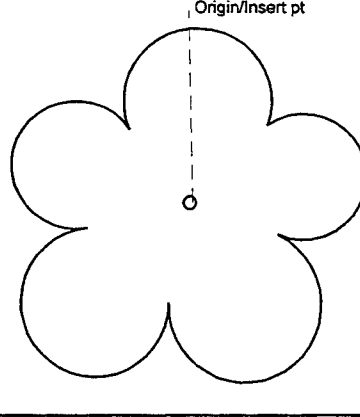
		
Civil: FLARRL FLOW ARROW LEFT IN 0 POINT Element type: Symbol	Civil: FLARRR FLOW ARROW RIGHT IN 0 POINT Element type: Symbol	Civil: FOMETR FUEL OIL METER Element type: Symbol
		
Civil: FOMHOL FUEL OIL MANHOLE Element type: Symbol	Civil: FOVALT FUEL OIL VAULT Element type: Symbol	Civil: GREASE GREASE TRAP Element type: Symbol
		
Civil: GRITCH GRIT CHAMBER Element type: Symbol	Civil: GSMETR GAS METER Element type: Symbol	Civil: GSPLNT GAS PLANT Element type: Symbol

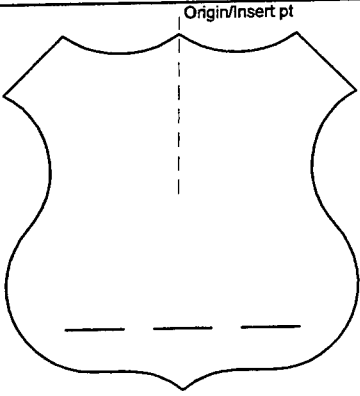
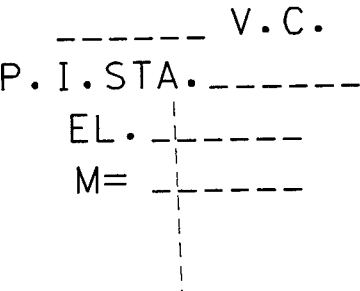
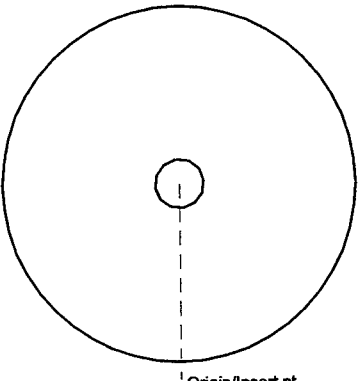
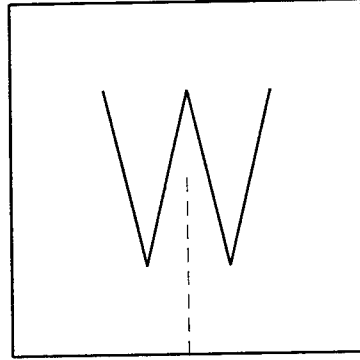
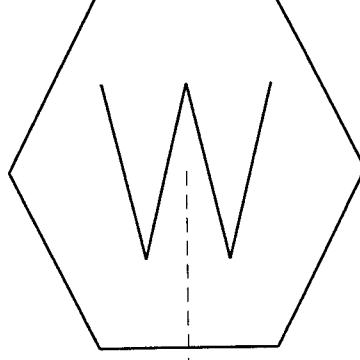
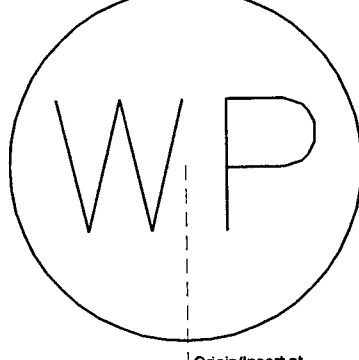
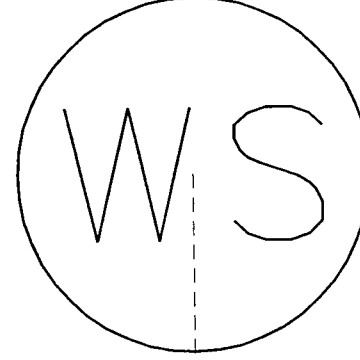
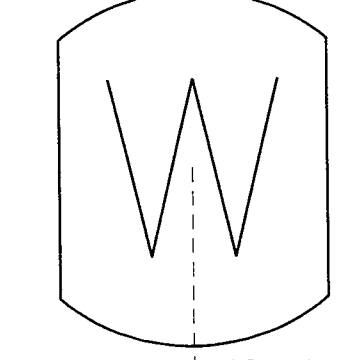
		
Civil:GSRECR GAS RECEIVER Element type: Symbol	Civil:GSTRAP GAS TRAP Element type: Symbol	Civil:GSVALT GAS VALVE VAULT Element type: Symbol
		
Civil:HEADWL HEADWALL Element type: Symbol	Civil:HNDCAP HANDICAP CHAIR SYMBOL Element type: Symbol	Civil:HORCPT HORIZONTAL CONTROL PT Element type: Symbol
		
Civil:HOVCPT HORIZ VERT CONTROL PT Element type: Symbol	Civil:HUREYE HURRICANE EYE Element type: Symbol	Civil:HYDRNT HYDRANT Element type: Symbol

		
Civil: INSHWY INTERSTATE HIGHWAY SYMBOL Element type: Symbol	Civil: IWMETR INDUSTRIAL WASTE WATR METER Element type: Symbol	Civil: IWMHOL INDUSTRIAL WASTE WATR MANHL Element type: Symbol
		
Civil: JNBX EXTERIOR UTIL JUNCTION BOX Element type: Symbol	Civil: MONWEL MONITORING WELL Element type: Symbol	Civil: PHOCPT PHOTO CONTROL POINT Element type: Symbol
P.I. = _____ P.C. = _____ P.T. = _____ Δ = _____ D = _____ R = _____ T = _____ L = _____		
Civil: PIINFO PI INFORMATION Element type: Symbol	Civil: PIVALV POST INDICATOR VALVE Element type: Symbol	Civil: PMPSTA PUMP STATION Element type: Symbol

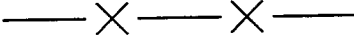
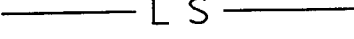
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Civil:RGVALV REGULATOR VALVE Element type: Symbol	Civil:RRSIGN RAIL SIGNAL Element type: Symbol	Civil:RRSWTC RAIL SWITCH Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Civil:SCNRH SECTION CORNER HATCHED Element type: Symbol	Civil:SCNRO SECTION CORNER OPEN Element type: Symbol	Civil:SDMHOL STORM DRAINAGE MANHOLE Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Civil:SHRUBC CONIFEROUS SHRUB Element type: Symbol	Civil:SHRUBD DECIDUOUS SHRUB Element type: Symbol	Civil:SIGN SIGN Element type: Symbol

		
Civil: SNMHOL SANITARY MANHOLE Element type: Symbol	Civil: SNPVSL SANITARY PRESSURE VESSEL Element type: Symbol	Civil: SNVALT SANITARY VALVE VAULT Element type: Symbol
		
Civil: SPOTEL GROUND SPOT ELEVATION Element type: Symbol	Civil: SPTANK SEPTIC TANK Element type: Symbol	Civil: STHWY STATE HIGHWAY SYMBOL Element type: Symbol
		
Civil: STMPIT STEAM PIT Element type: Symbol	Civil: SWAMP SWAMP Element type: Symbol	Civil: TIDEG TIDE GAGE Element type: Symbol

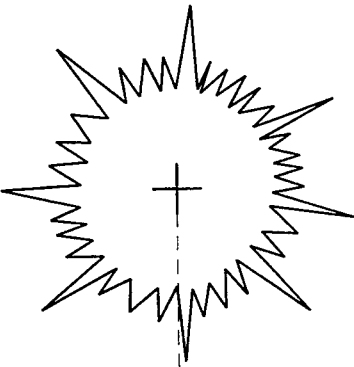
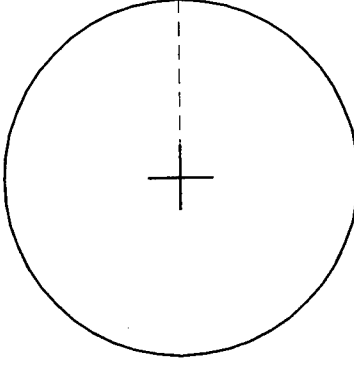
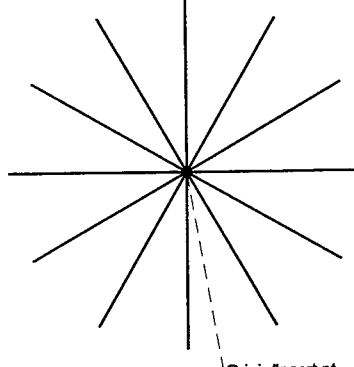
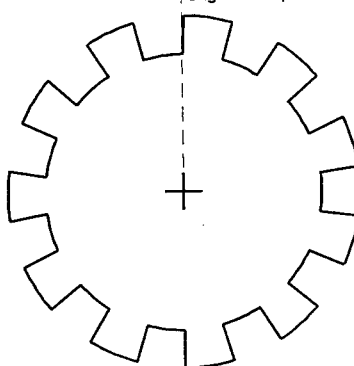
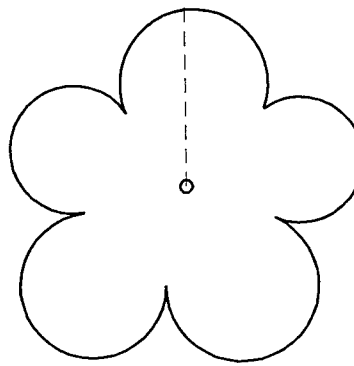
		
Civil: TIRETR TIRE TREDDLE Element type: Symbol	Civil: TNKBG TANK BELOW GROUND Element type: Symbol	Civil: TNKHAG TANK HORIZ ABOVE GROUND Element type: Symbol
		
Civil: TNKVAG TANK VERTICAL ABOVE GROUND Element type: Symbol	Civil: TRACR TRAFFIC ARM WITH CARD READER Element type: Symbol	Civil: TRAMS TRAFFIC ARM MECHANCL SWING Element type: Symbol
		
Civil: TREEC CONIFEROUS TREE Element type: Symbol	Civil: TREED DECIDUOUS TREE Element type: Symbol	Civil: TREEG GENERIC TREE Element type: Symbol

 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Civil: USHWY US HIGHWAY SYMBOL Element type: Symbol	Civil: VCDATA VERTICAL CURVE DATA Element type: Symbol	Civil: VERCPT VERTICAL CONTROL POINT Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Civil: WAHHOL WATER HANDHOLE Element type: Symbol	Civil: WAMETR WATER METER Element type: Symbol	Civil: WAPLNT WATER PLANT Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	
Civil: WASOFT WATER SOFTENER Element type: Symbol	Civil: WAVALT WATER VALVE VAULT Element type: Symbol	

6 Landscape Lines Library

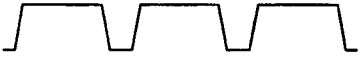
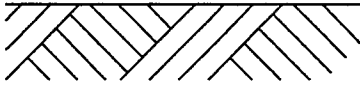
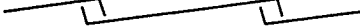
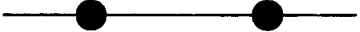
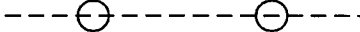
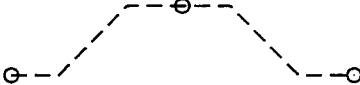
		
Landscape:FENCE FENCE Element type: Line	Landscape:LAWNSP LAWN SPRINKLER SUPPLY Element type: Line	Landscape:TREEL TREE LINE Element type: Line

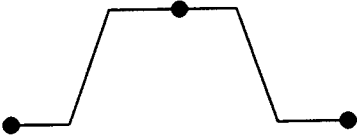
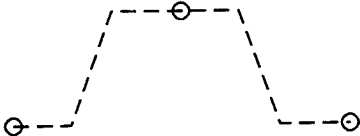
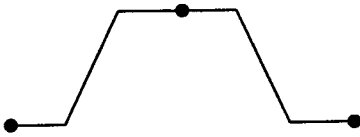
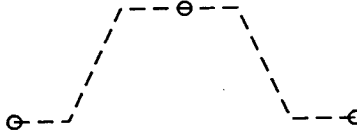
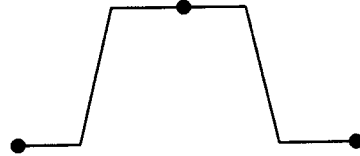
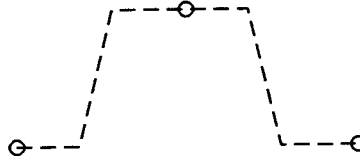
6 Landscape Symbols Library

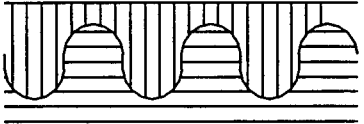
		
Landscape: SHRUBC CONIFEROUS SHRUB Element type: Symbol	Landscape: SHRUBD DECIDUOUS SHRUB Element type: Symbol	Landscape: TREEC CONIFEROUS TREE Element type: Symbol
		
Landscape: TREED DECIDUOUS TREE Element type: Symbol	Landscape: TREEG GENERIC TREE Element type: Symbol	

7 Structural Lines Library

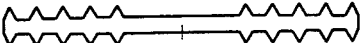
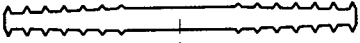
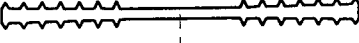
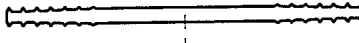
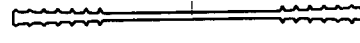
		
Structural:BERM BERM Element type: Line	Structural:CMP127 CMP 127MMX25MM OR 5IN X 1IN Element type: Line	Structural:CMP152 CMP 152MMX51MM OR 6IN X 2IN Element type: Line
		
Structural:CMP38 CMP38MMX6MM OR 1.5INX.25IN Element type: Line	Structural:CMP51 CMP51MMX13MM OR 2IN X .5IN Element type: Line	Structural:CMP68 CMP68MMX13MM OR 2.7INX.5IN Element type: Line
		
Structural:CMP76 CMP76MMX25MM OR 3IN X 1IN Element type: Line	Structural:DECKCR CORRUGATED METAL DECK Element type: Line	Structural:DECKFL METAL DECK FLOOR Element type: Line

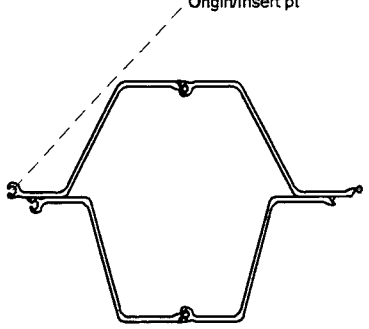
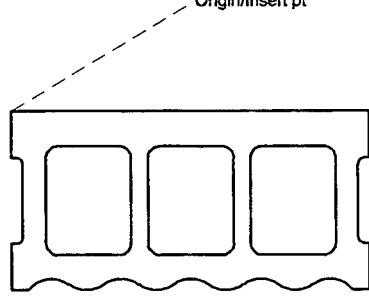
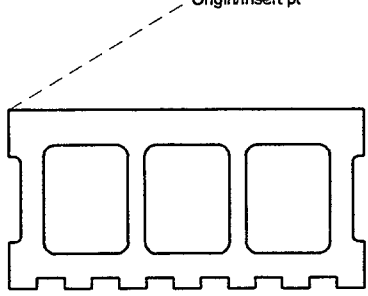
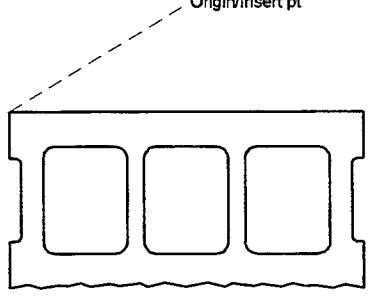
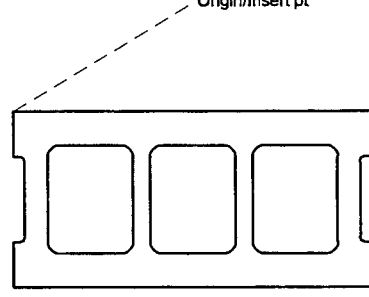
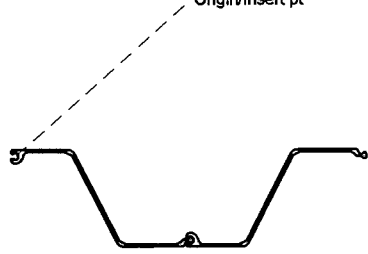
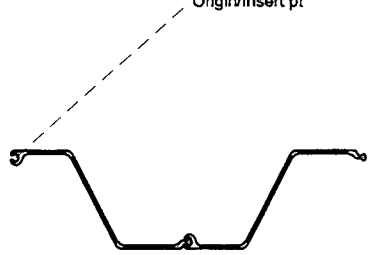
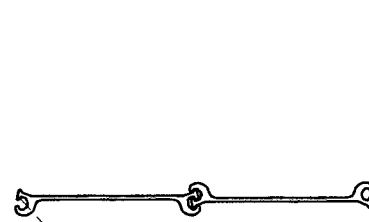
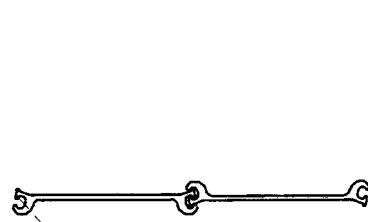
		
Structural:DECKRF METAL DECK ROOF Element type: Line	Structural:GROUND GROUND Element type: Line	Structural:INTRLK INTERLOCK SLOPE PROTECTION Element type: Line
		
Structural:PS31 PS31 SHEET PILE Element type: Line	Structural:PS31H PS31 SHEET PILE HIDDEN Element type: Line	Structural:PSA23 PSA23 SHEET PILE Element type: Line
		
Structural:PSA23H PSA23 SHEET PILE HIDDEN Element type: Line	Structural:PZ22 PZ22 SHEET PILE Element type: Line	Structural:PZ22H PZ22 SHEET PILE HIDDEN Element type: Line

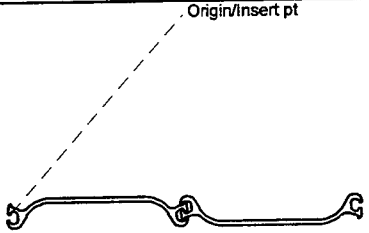
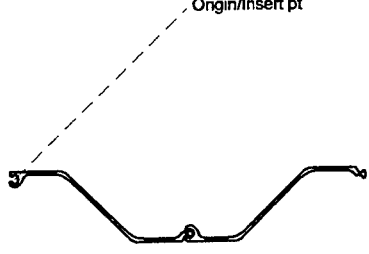
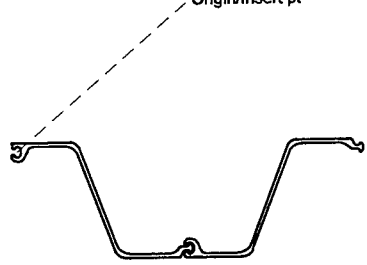
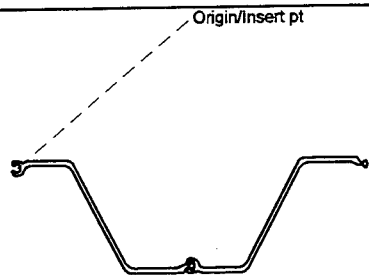
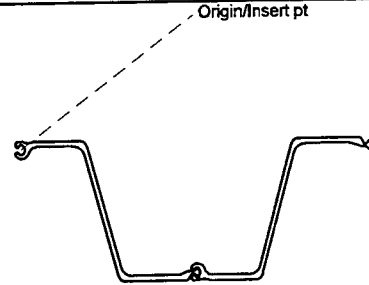
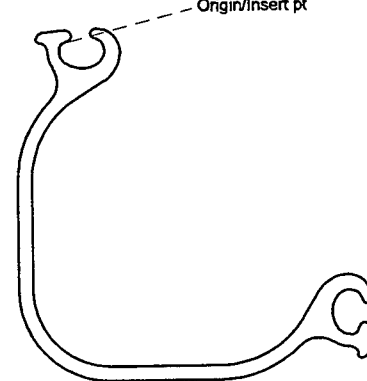
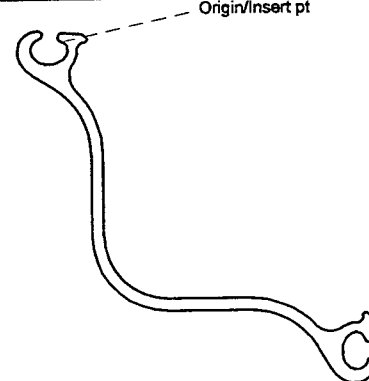
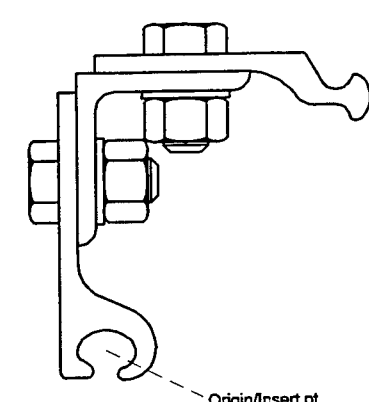
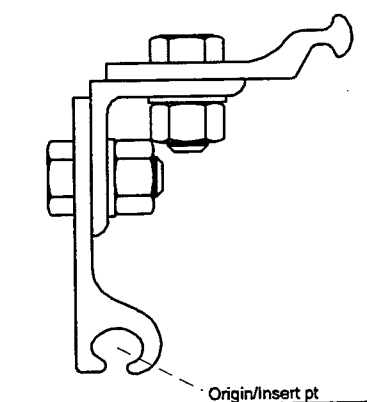
		
Structural:PZ27 PZ27 SHEET PILE Element type: Line	Structural:PZ27H PZ27 SHEET PILE HIDDEN Element type: Line	Structural:PZ35 PZ35 SHEET PILE Element type: Line
		
Structural:PZ35H PZ35 SHEET PILE HIDDEN Element type: Line	Structural:PZ40 PZ40 SHEET PILE Element type: Line	Structural:PZ40H PZ40 SHEET PILE HIDDEN Element type: Line
		
Structural:REBR12 REBAR AT 12IN Element type: Line	Structural:REBR18 REBAR AT 18IN Element type: Line	Structural:REBR6 REBAR AT 6IN Element type: Line

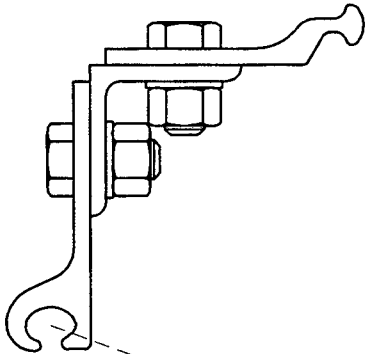
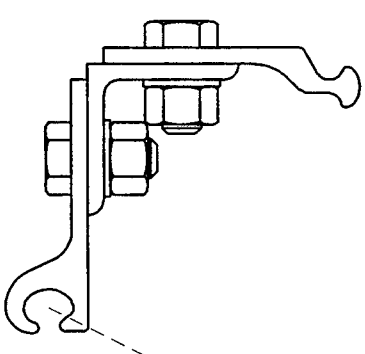
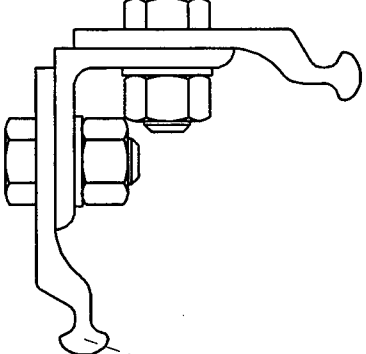
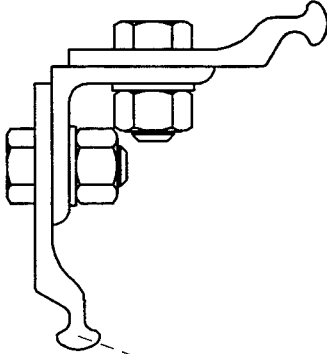
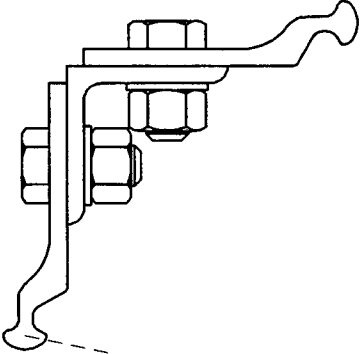
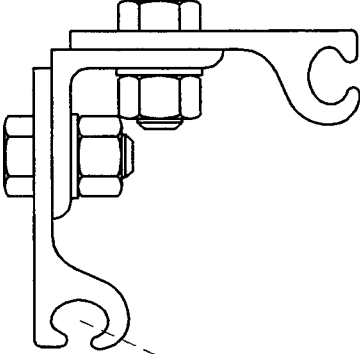
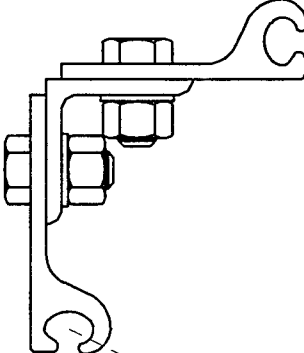
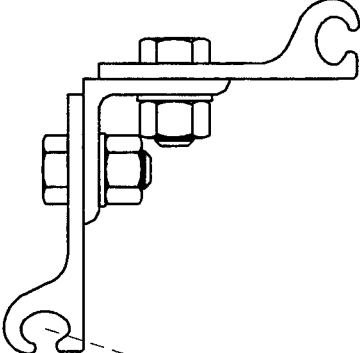
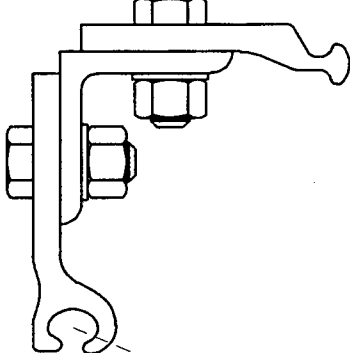
		
Structural:REBR9 REBAR AT 9IN Element type: Line	Structural:RIPPLN RIPRAP PLAN VIEW Element type: Line	Structural:ROCK ROCK Element type: Line
		
Structural:SHORLN SHORE LINE Element type: Line	Structural:WWFBRC WELDED WIRE FABRIC Element type: Line	

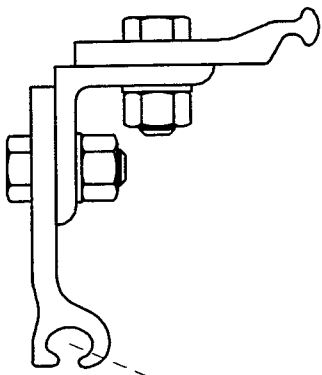
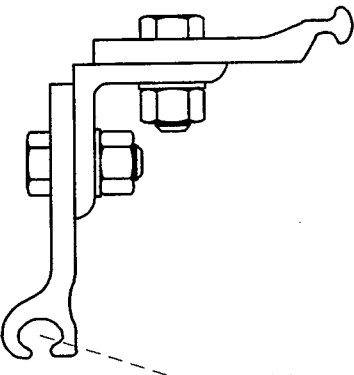
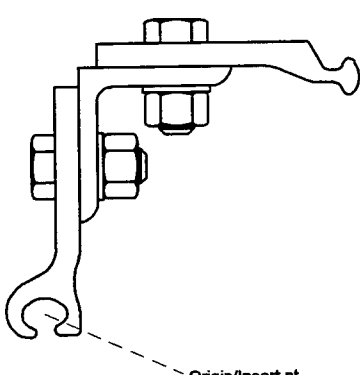
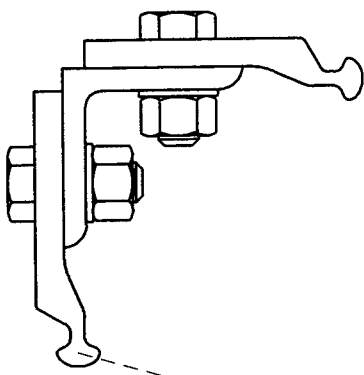
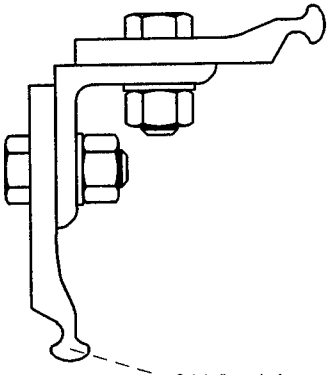
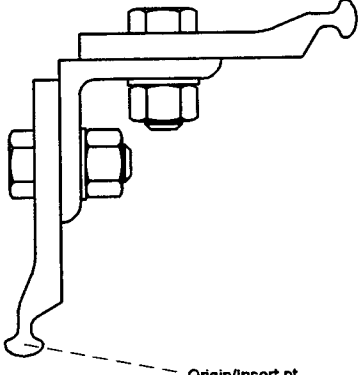
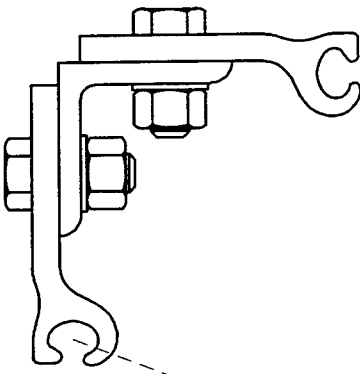
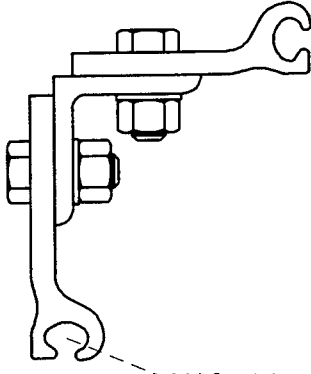
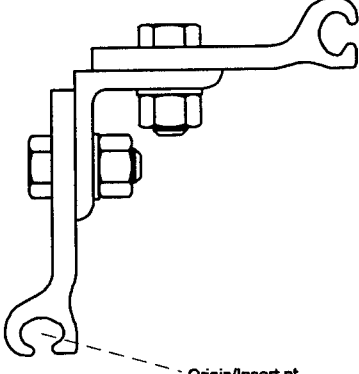
7 Structural Objects Library

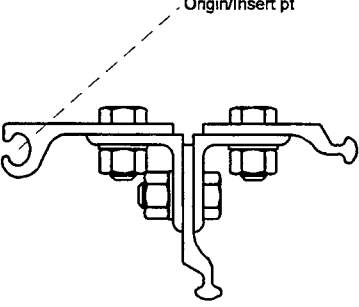
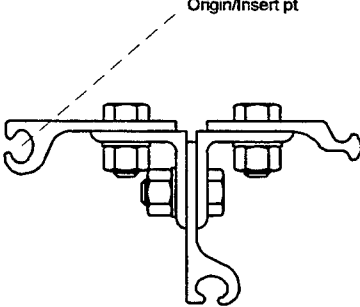
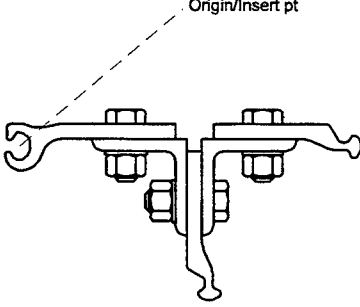
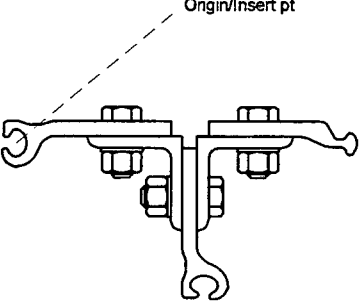
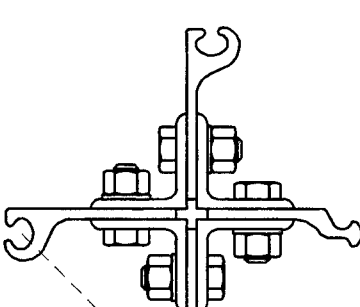
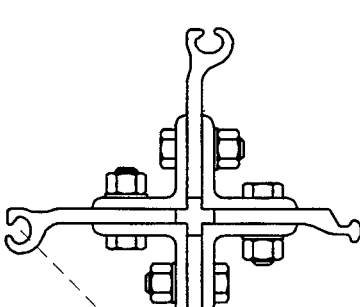
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 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Structural:6RCBHD 6 IN RIB W CTR BULB HVY DTY Element type: Object	Structural:6RCBLW 6 IN RIB W CTR BULB LT WT Element type: Object	Structural:9FLBHD 9 IN FLAT RIBBED HVY DTY Element type: Object
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Structural:9FRBLW 9 IN FLAT RIBBED LT WT Element type: Object	Structural:9RCBHD 9 IN RIB W CTR BULB HVY DTY Element type: Object	Structural:9RCBLW 9 IN RIB W CTR BULB LT WT Element type: Object

		
Structural:BOX BOX PILE Element type: Object	Structural:CMUFL FLUTED CONC BLK 8X8X16 Element type: Object	Structural:CMURIB RIBBED CONC BLK 8X8X16 Element type: Object
		
Structural:CMUSF SPLIT FACE CONC BLK 8X8X16 Element type: Object	Structural:CMUSTR CONC BLOCK 8X8X16 STR. Element type: Object	Structural:PLZ23 PLZ23 SHEET PILING Element type: Object
		
Structural:PLZ25 PLZ25 SHEET PILING Element type: Object	Structural:PS27.5 PS27.5 SHEET PILE Element type: Object	Structural:PS31 PS31 SHEET PILE Element type: Object

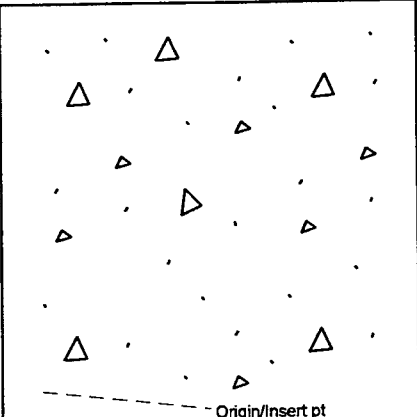
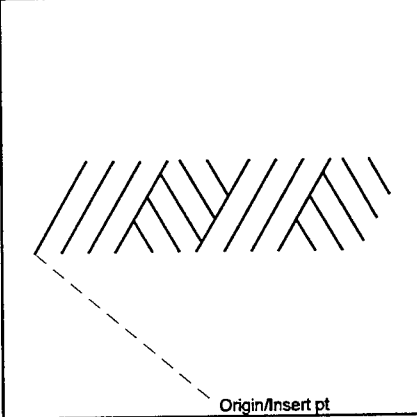
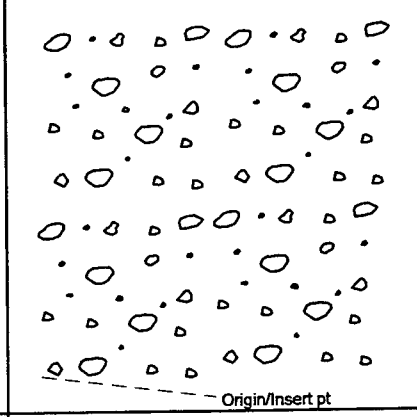
		
Structural: PSA23 PSA23 SHEET PILE Element type: Object	Structural: PZ22 PZ22 SHEET PILE Element type: Object	Structural: PZ27 PZ27 SHEET PILE Element type: Object
		
Structural: PZ35 PZ35 SHEET PILE Element type: Object	Structural: PZ40 PZ40 SHEET PILE Element type: Object	Structural: RC230 RC230 SHEET PILE CONNECTION Element type: Object
		
Structural: RC231 RC231 SHEET PILE CONNECTION Element type: Object	Structural: ZC270 PZ22 PZ27 L CONNECTION Element type: Object	Structural: ZC271 PZ22 PZ27 L CONNECTION Element type: Object

		
Structural:ZC272 PZ22 PZ27 L CONNECTION Element type: Object	Structural:ZC273 PZ22 PZ27 L CONNECTION Element type: Object	Structural:ZC274 PZ22 PZ27 L CONNECTION Element type: Object
		
Structural:ZC275 PZ22 PZ27 L CONNECTION Element type: Object	Structural:ZC276 PZ22 PZ27 L CONNECTION Element type: Object	Structural:ZC277 PZ22 PZ27 L CONNECTION Element type: Object
		
Structural:ZC278 PZ22 PZ27 L CONNECTION Element type: Object	Structural:ZC279 PZ22 PZ27 L CONNECTION Element type: Object	Structural:ZC350 PZ35 PZ40 L CONNECTION Element type: Object

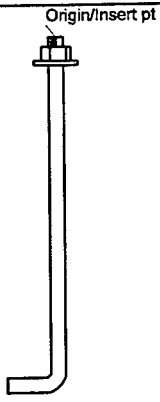
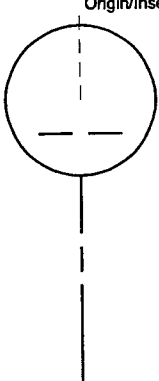
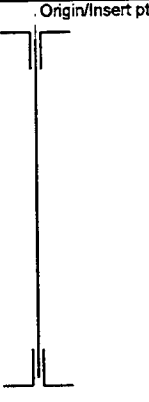
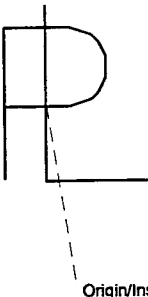
		
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Structural:ZC354 PZ35 PZ40 L CONNECTION Element type: Object	Structural:ZC355 PZ35 PZ40 L CONNECTION Element type: Object	Structural:ZC356 PZ35 PZ40 L CONNECTION Element type: Object
		
Structural:ZC357 PZ35 PZ40 L CONNECTION Element type: Object	Structural:ZC358 PZ35 PZ40 L CONNECTION Element type: Object	Structural:ZC359 PZ35 PZ40 L CONNECTION Element type: Object

		
Structural: ZT270 PZ22 PZ27 T CONNECTION Element type: Object	Structural: ZT271 PZ22 PZ27 T CONNECTION Element type: Object	Structural: ZT350 PZ35 PZ40 T CONNECTION Element type: Object
		
Structural: ZT351 PZ35 PZ40 T CONNECTION Element type: Object	Structural: ZX270 PZ22 PZ27 CROSS CONNECTION Element type: Object	Structural: ZX350 PZ35 PZ40 CROSS CONNECTION Element type: Object

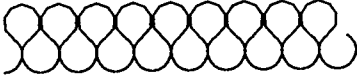
7 Structural Patterns Library

		
Structural:CONCST CONCRETE STONE Element type: Pattern	Structural:EEARTH EXISTING EARTH Element type: Pattern	Structural:GRAVEL GRAVEL Element type: Pattern

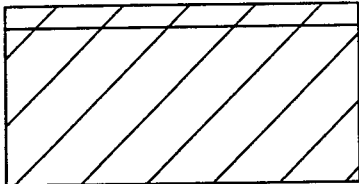
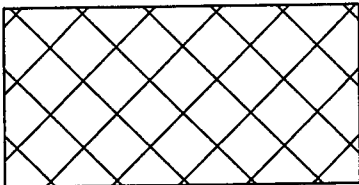
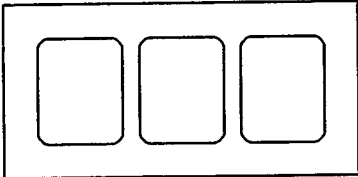
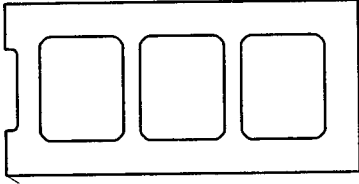
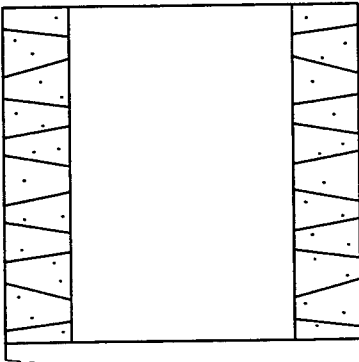
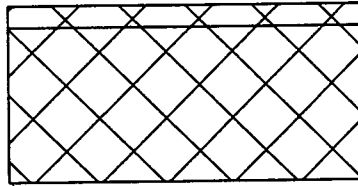
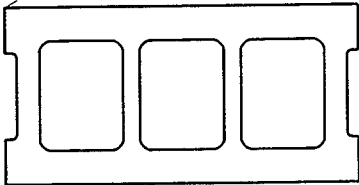
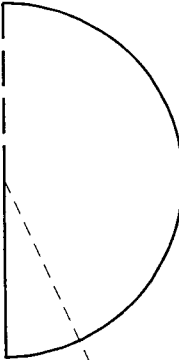
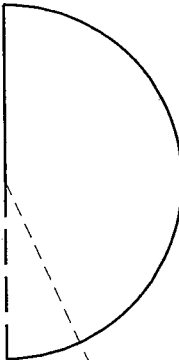
7 Structural Symbols Library

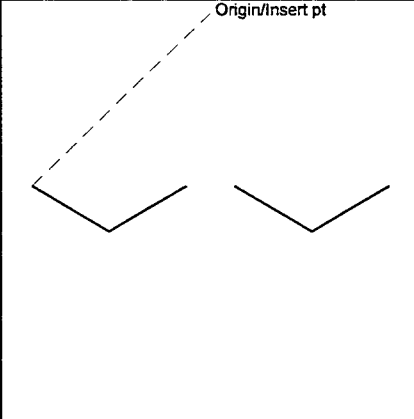
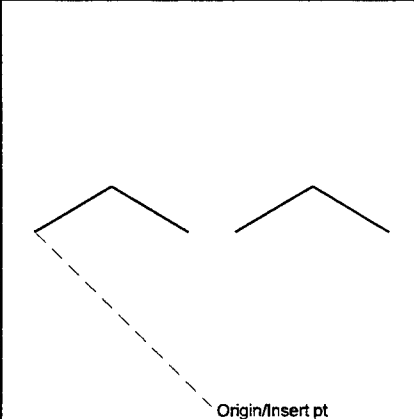
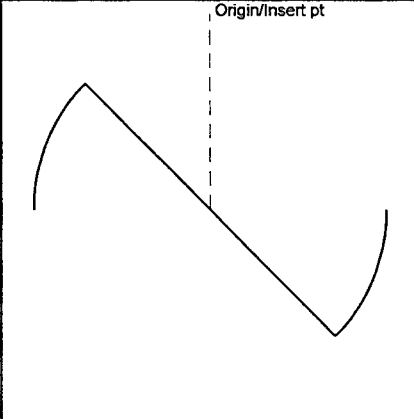
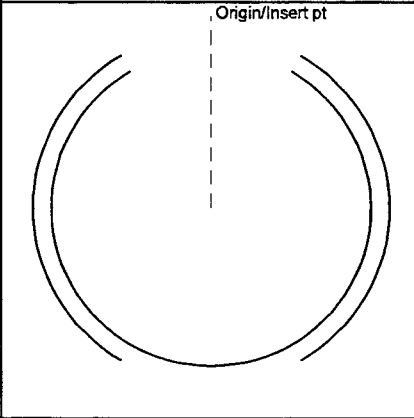
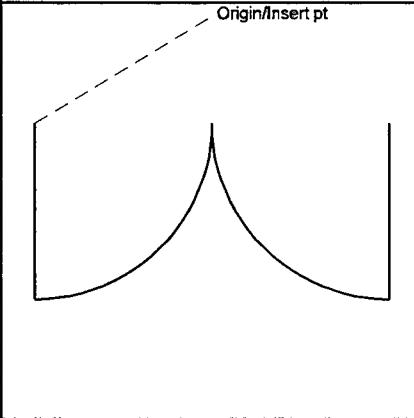
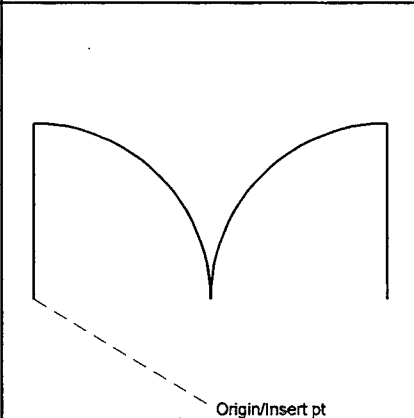
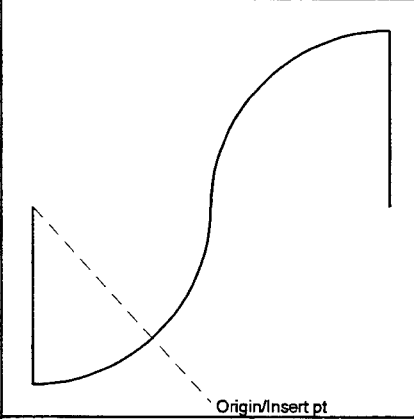
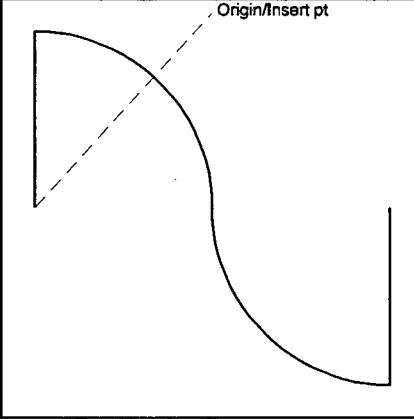
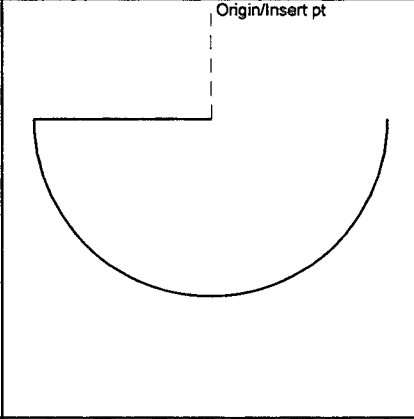
		
Structural:ANBOLT ANCHOR BOLT Element type: Symbol	Structural:CNTLIN CENTERLINE SYMBOL Element type: Symbol	Structural:COLLIN COLUMN LINE GRID INDICATOR Element type: Symbol
		
Structural:JSTBR1 JOIST BAR SINGLE LINE Element type: Symbol	Structural:JSTBR2 JOIST BAR DOUBLE LINE Element type: Symbol	Structural:PLATE PLATE SYMBOL Element type: Symbol

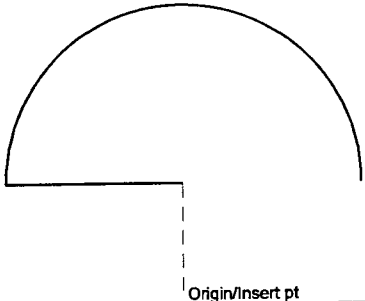
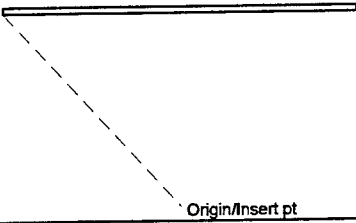
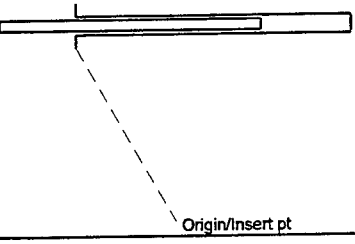
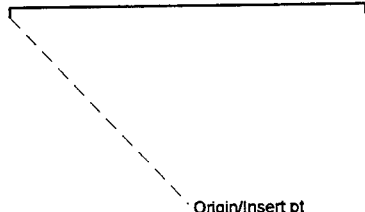
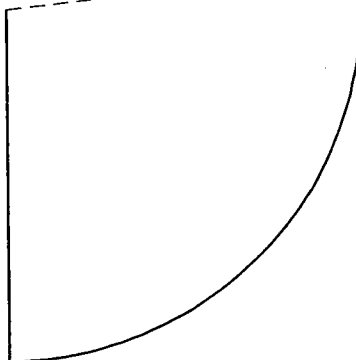
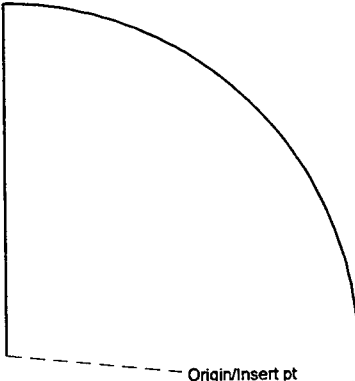
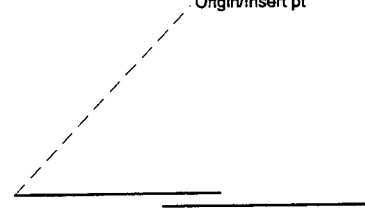
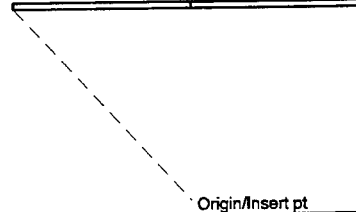
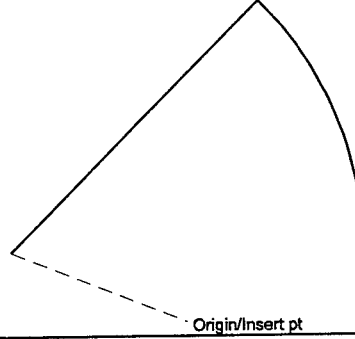
8 Architectural Lines Library

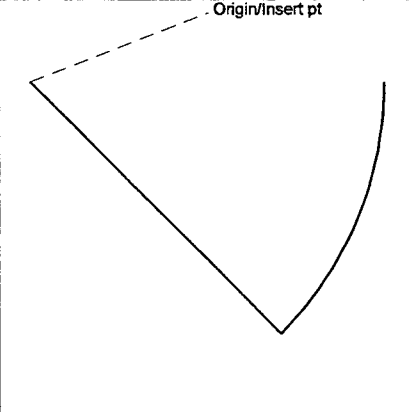
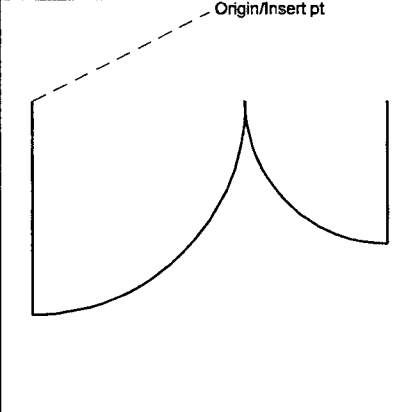
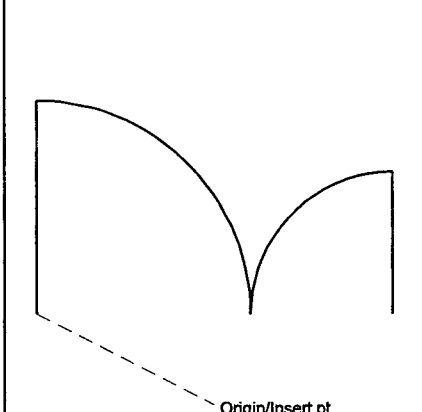
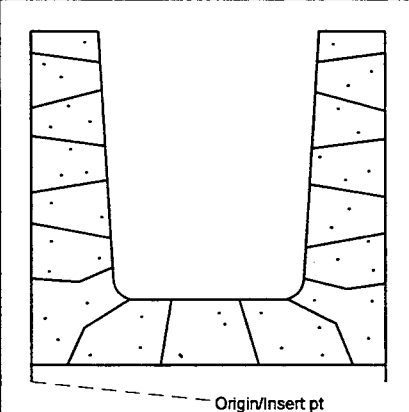
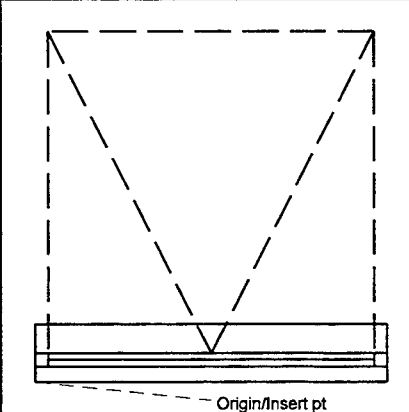
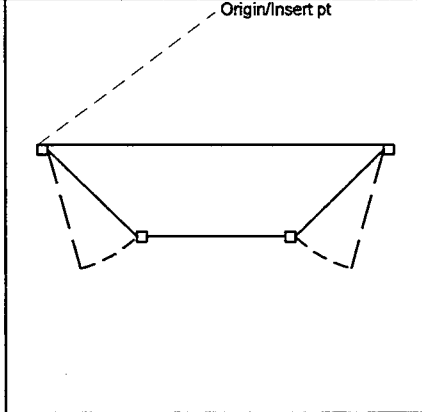
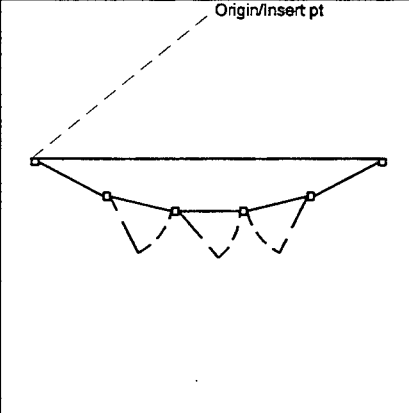
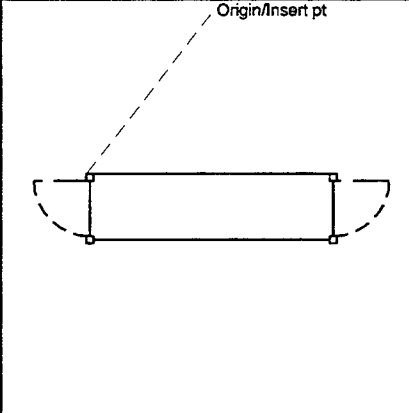
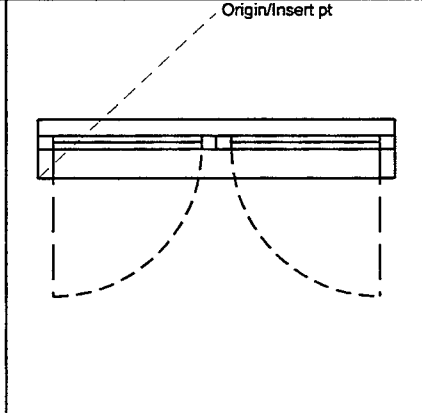
	
Architectural: INBATT LOOSE FILL BATT INSULATION Element type: Line	Architectural: WWFBRC WELDED WIRE FABRIC Element type: Line

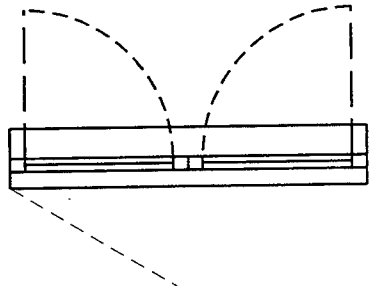
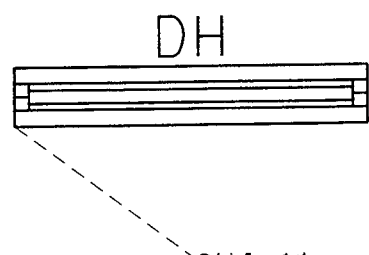
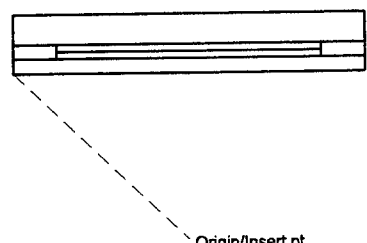
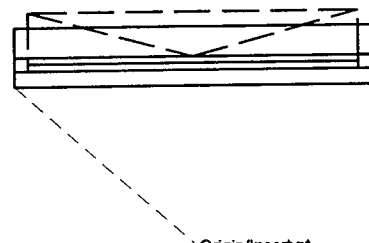
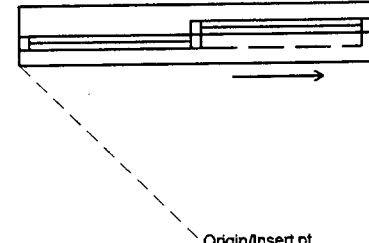
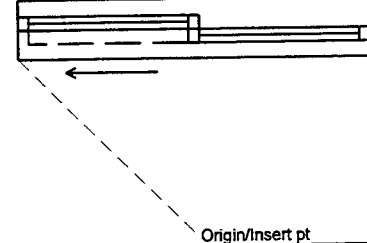
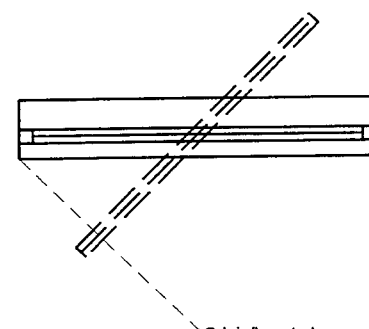
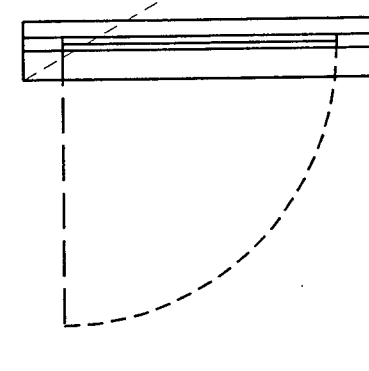
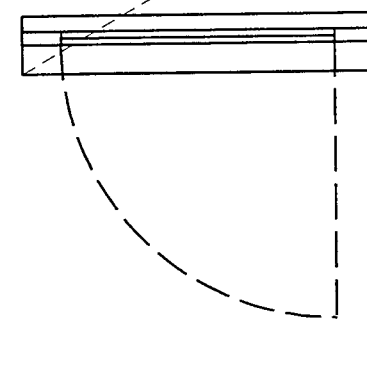
8 Architectural Objects Library

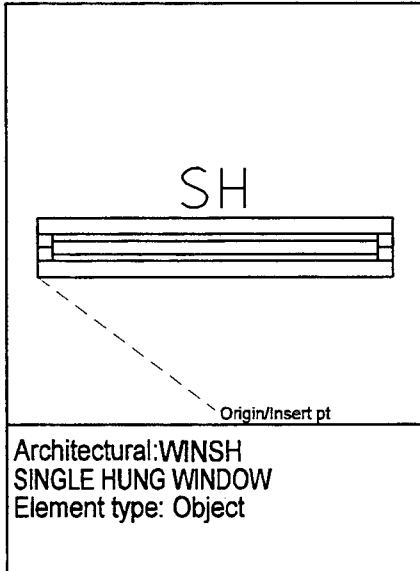
		
Architectural:BRKGL GLAZED BRICK Element type: Object	Architectural:CMU MASONRY UNIT Element type: Object	Architectural:CMUBLK CONC BLOCK 8X8X16 Element type: Object
		
Architectural:CMUCOR CONC BLOCK 8X8X16 COR. Element type: Object	Architectural:CMUEND CONC BLOCK 8X8X16 END Element type: Object	Architectural:CMUGL GLAZED CONCRETE BLOCK Element type: Object
		
Architectural:CMUSTR CONC BLOCK 8X8X16 STR. Element type: Object	Architectural:DOR18L LEFT DOOR 180 DEGREE SWING Element type: Object	Architectural:DOR18R RIGHT DOOR 180 DEGREE SWING Element type: Object

		
Architectural: DORBFL LEFT BIFOLD DOOR Element type: Object	Architectural: DORBFR RIGHT BIFOLD DOOR Element type: Object	Architectural: DORCPV DOOR CENTER PIVOT Element type: Object
		
Architectural: DORCYL CYLINDRICAL DOOR Element type: Object	Architectural: DORDBL LEFT DOUBLE DOOR Element type: Object	Architectural: DORDBR RIGHT DOUBLE DOOR Element type: Object
		
Architectural: DORDEL LEFT DOUBLE EGRESS DOOR Element type: Object	Architectural: DORDER RIGHT DOUBLE EGRESS DOOR Element type: Object	Architectural: DORFSL LEFT SINGLE FULL SWING DOOR Element type: Object

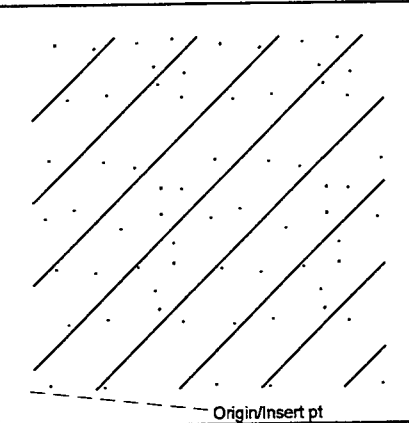
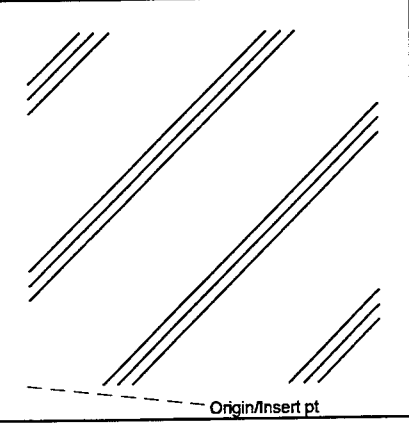
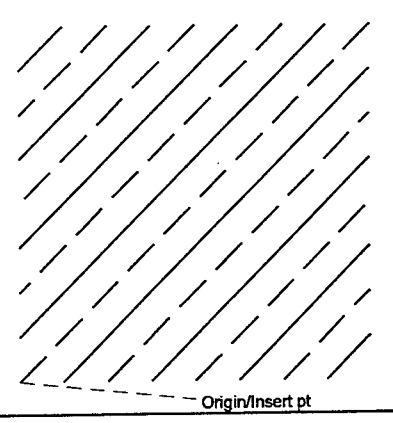
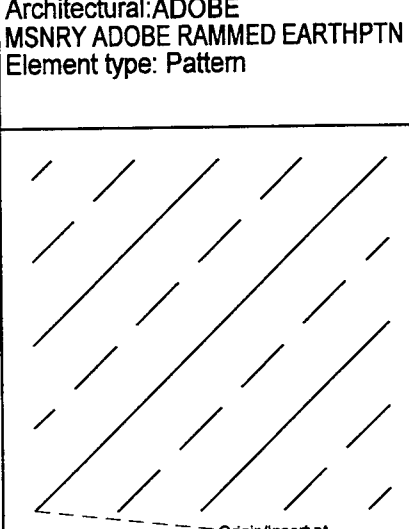
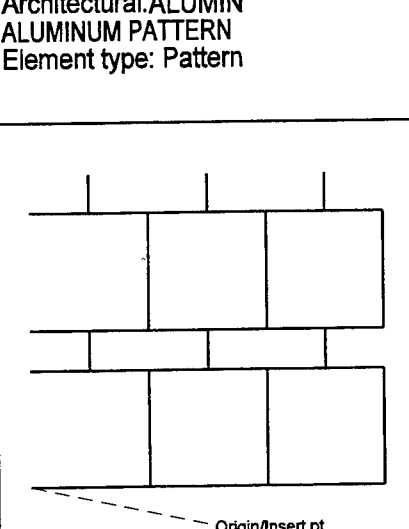
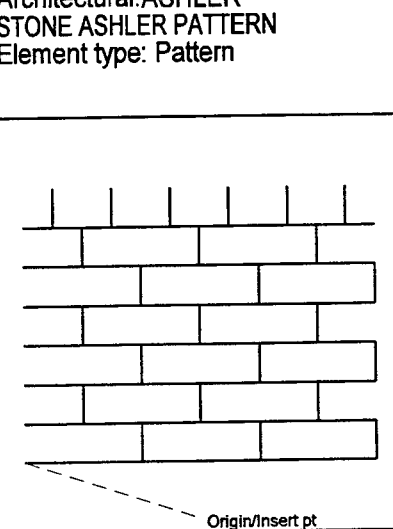
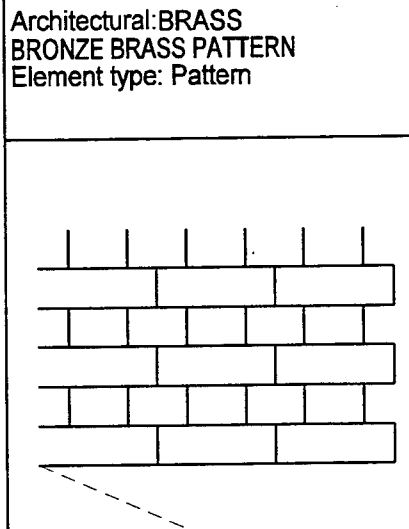
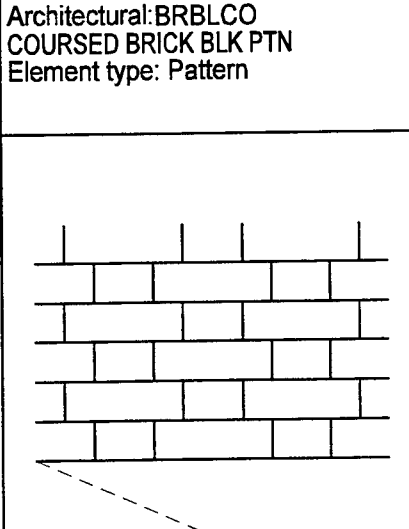
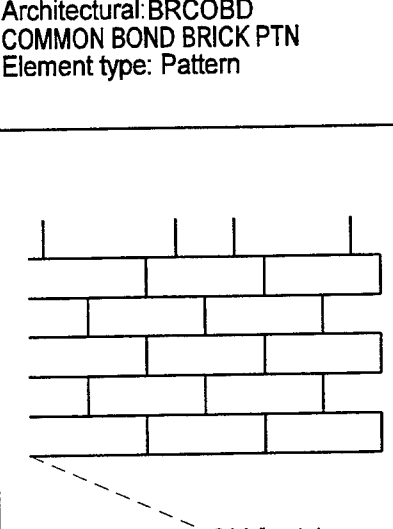
		
Architectural:DORFSR RIGHT SINGLE FULL SWING DOOR Element type: Object	Architectural:DOROVH OVERHEAD DOOR Element type: Object	Architectural:DORPOC DOOR POCKET Element type: Object
		
Architectural:DORRUP ROLL UP DOOR Element type: Object	Architectural:DORSHL LEFT SINGLE HINGED DOOR Element type: Object	Architectural:DORSHR RIGHT SINGLE HINGED DOOR Element type: Object
		
Architectural:DORSLD SLIDING DOOR Element type: Object	Architectural:DORSLS SLIDING SURFACE DOOR Element type: Object	Architectural:DORSPL LEFT SINGLE PIVOT DOOR Element type: Object

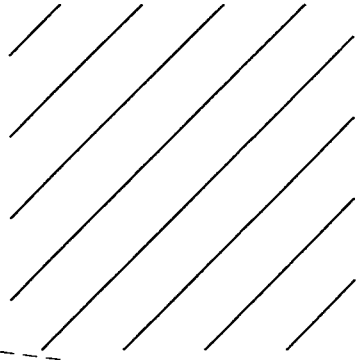
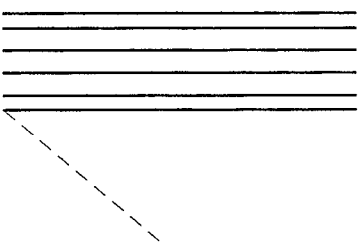
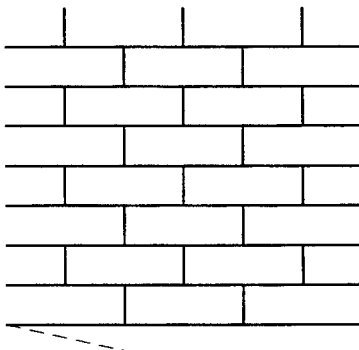
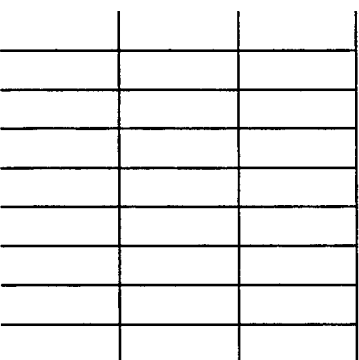
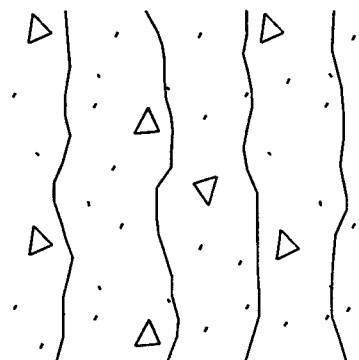
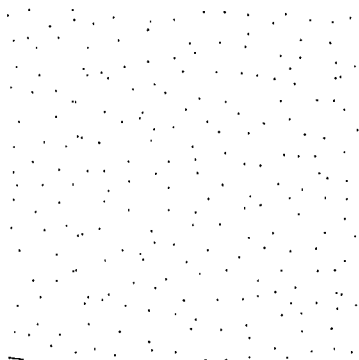
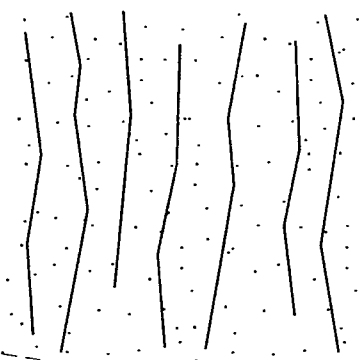
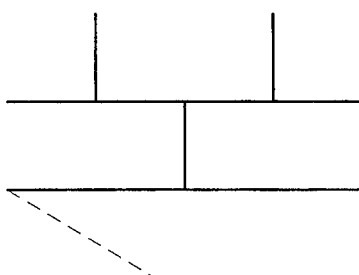
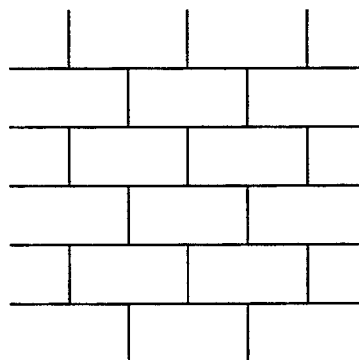
		
Architectural:DORSPR RIGHT SINGLE PIVOT DOOR Element type: Object	Architectural:DORUDL LEFT UNEVEN DOUBLE DOOR Element type: Object	Architectural:DORUDR RIGHT UNEVEN DOUBLE DOOR Element type: Object
		
Architectural:LINTEL CONC BEAM BOND LINTEL Element type: Object	Architectural:WINAWN WINDOW AWNING Element type: Object	Architectural:WINBAY PROJECTED BAY WINDOW Element type: Object
		
Architectural:WINBOW PROJECTED BOW WINDOW Element type: Object	Architectural:WINBOX PROJECTED BOX WINDOW Element type: Object	Architectural:WINDCI WNDW DBLCASEMNT INWRD OPEN Element type: Object

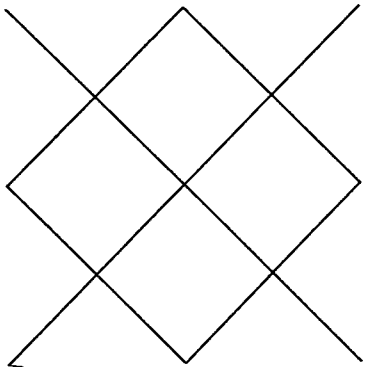
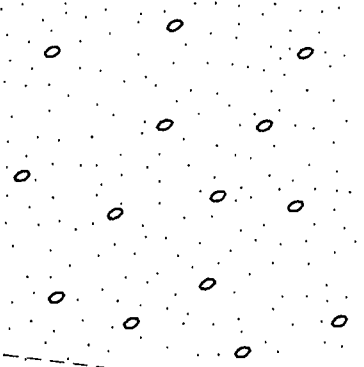
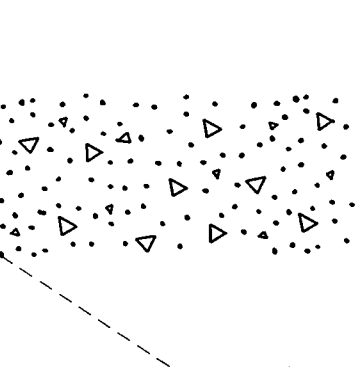
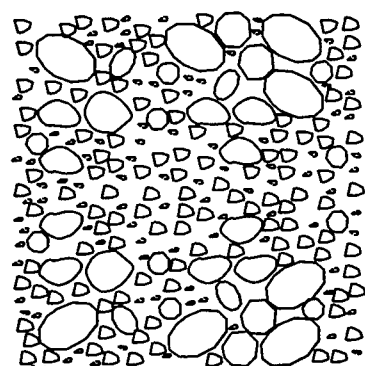
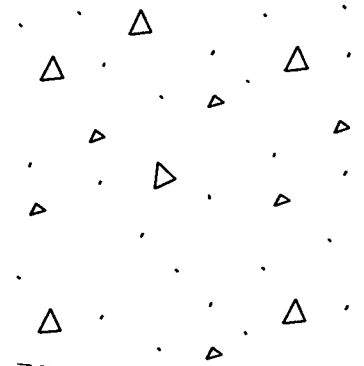
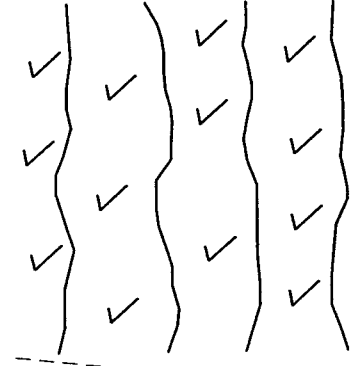
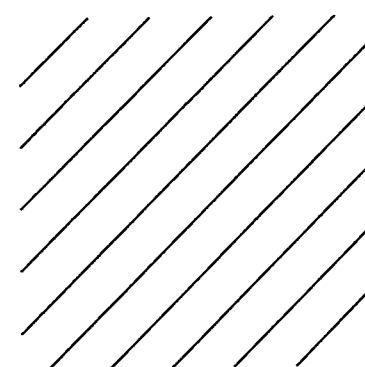
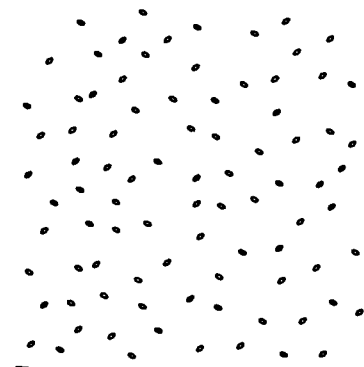
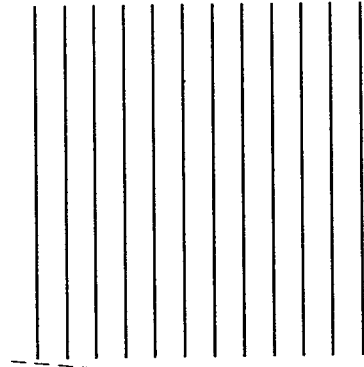
		
Architectural:WINDCO WNDW DBLCASEMNT OUTWARD OPE Element type: Object	Architectural:WINDH DOUBLE HUNG WINDOW Element type: Object	Architectural:WINFIX FIXED 1 FOOT WINDOW Element type: Object
		
Architectural:WINJAL JALOUSIE WINDOW Element type: Object	Architectural:WINOSL SLIDNG WNDW LFT OPRTNG SASH Element type: Object	Architectural:WINOSR SLDNG WNDW RGHT OPRTNG SASH Element type: Object
		
Architectural:WINPIV PIVOT WINDOW Element type: Object	Architectural:WINSCL WNDWSNGLCASEMNTLEFTJAMBHING Element type: Object	Architectural:WINSR WNDWSNGLCASEMNTRGHTJAMBHING Element type: Object

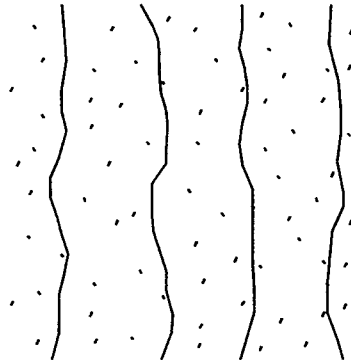
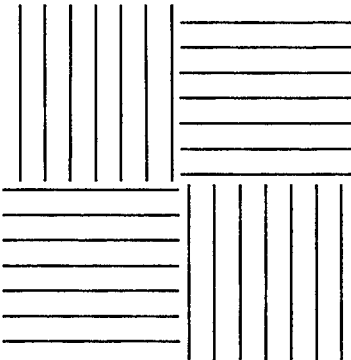
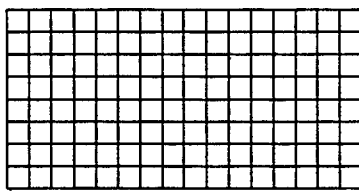
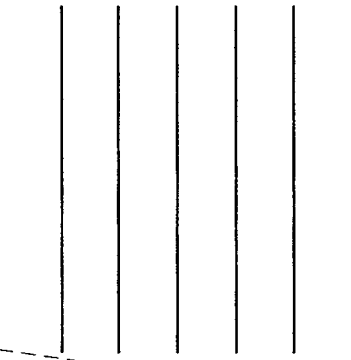
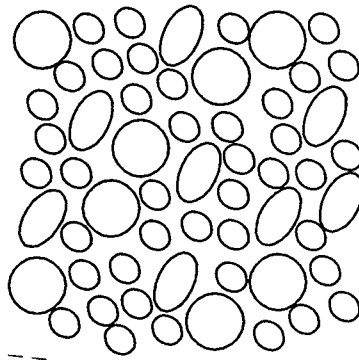
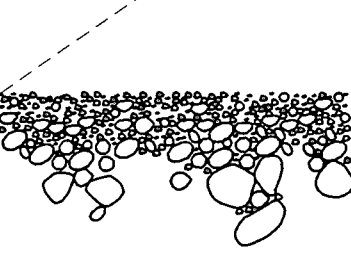
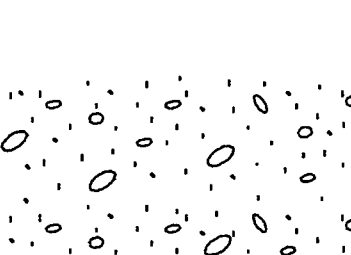


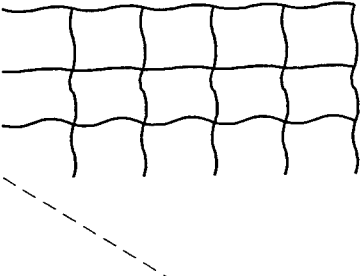
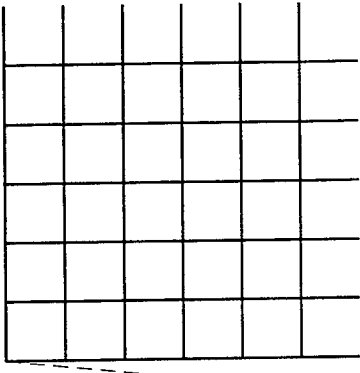
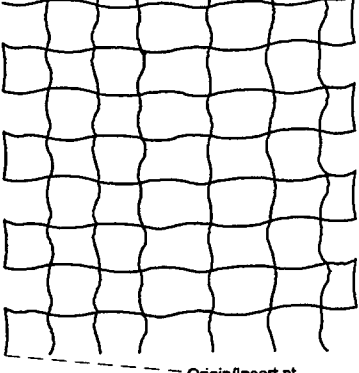
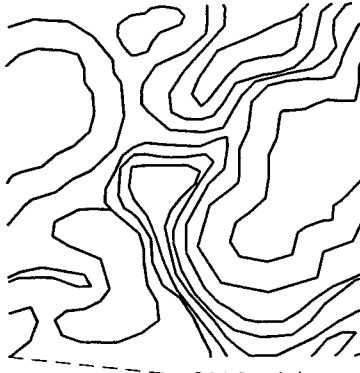
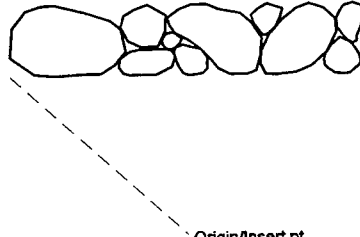
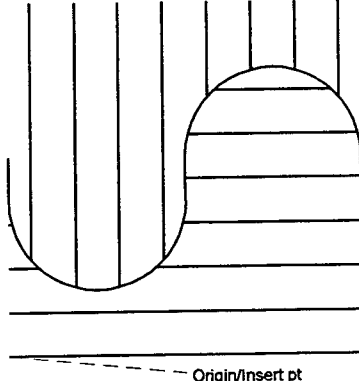
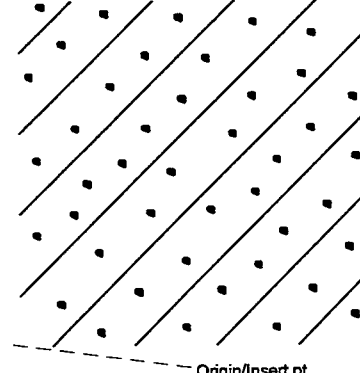
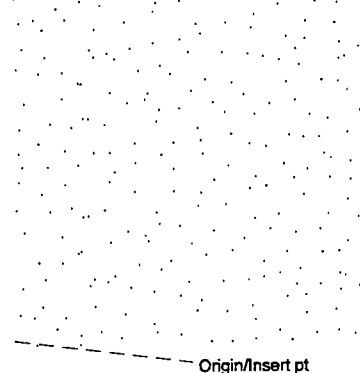
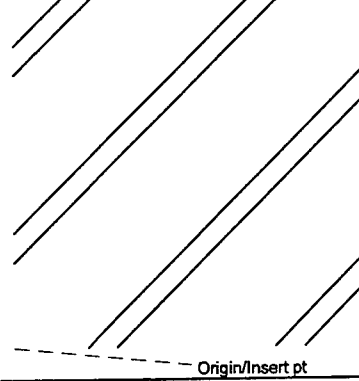
8 Architectural Patterns Library

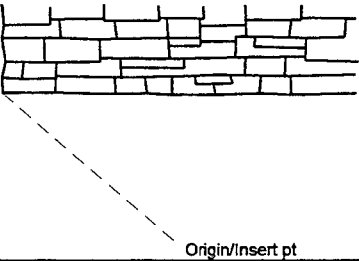
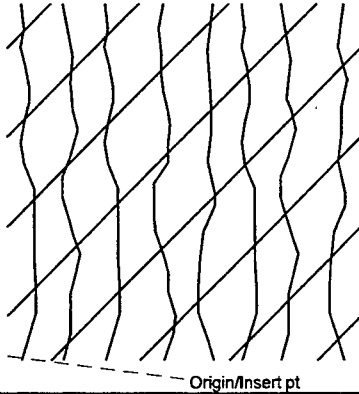
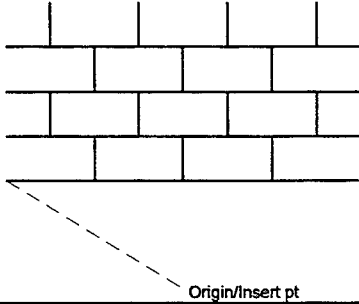
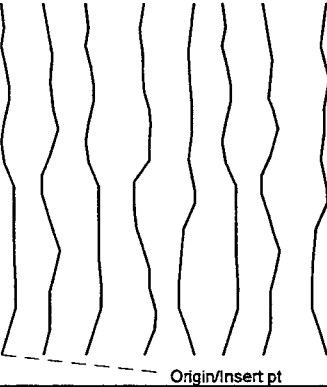
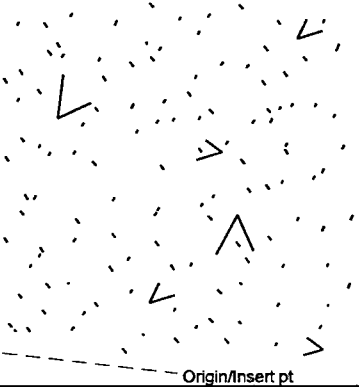
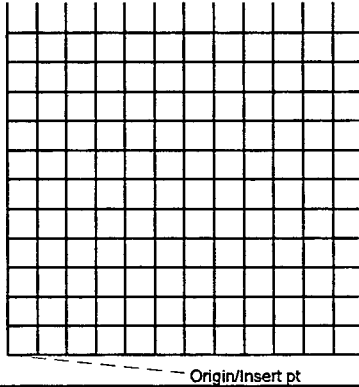
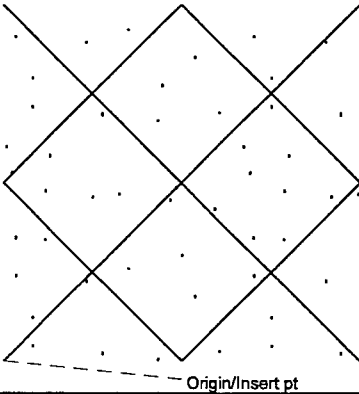
		
Architectural: ADOBE MSNRY ADOBE RAMMED EARTHPTN Element type: Pattern	Architectural: ALUMIN ALUMINUM PATTERN Element type: Pattern	Architectural: ASHLER STONE ASHLER PATTERN Element type: Pattern
		
Architectural: BRASS BRONZE BRASS PATTERN Element type: Pattern	Architectural: BRBLCO COURSED BRICK BLK PTN Element type: Pattern	Architectural: BRCOBD COMMON BOND BRICK PTN Element type: Pattern
		
Architectural: BRENBD ENGLISH BOND BRICK PTN Element type: Pattern	Architectural: BRFLBD FLEMISH BOND BRICK PTN Element type: Pattern	Architectural: BRFLCB FLEMISH COM BOND PTN Element type: Pattern

 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Architectural:BRKCF COMMON FACE BRICK PTN Element type: Pattern	Architectural:BRKELE BRICK ELEVATION PTN Element type: Pattern	Architectural:BRNBD BRICK RUNNING BOND PTN Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Architectural:BRSTBD BRICK STACK BOND PATTERN Element type: Pattern	Architectural:CCBSS CAST CONC BLK SM SCALE PTN Element type: Pattern	Architectural:CCELEV CONC CEMENT ELEV PTN Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Architectural:CDTOP CEMENTITIOUSDECK TOPPINGPTN Element type: Pattern	Architectural:CMUBP CMU BLOCK PATTERN Element type: Pattern	Architectural:CMUEL B ELEVATION BLOCK PTN Element type: Pattern

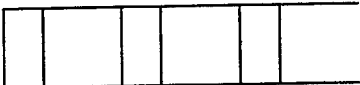
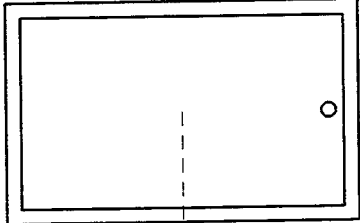
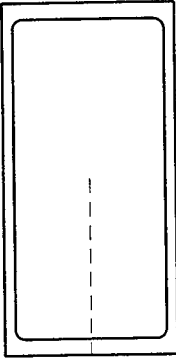
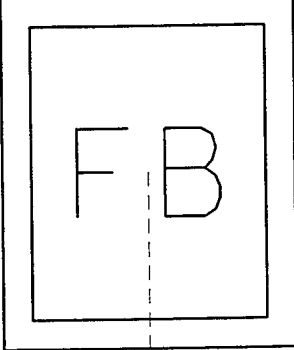
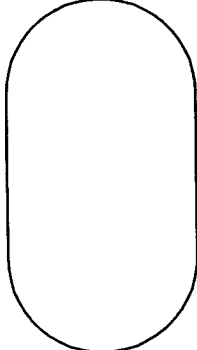
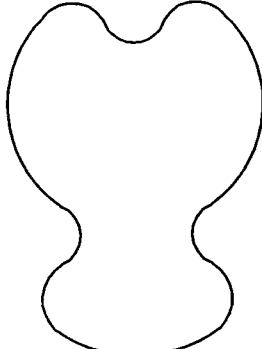
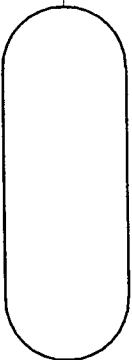
		
Architectural: CONBLK CONCRETE BLOCK PATTERN Element type: Pattern	Architectural: CONCCN CONCRETE CINDER Element type: Pattern	Architectural: CONCLW CONCRETE LIGHT WEIGHT Element type: Pattern
		
Architectural: CONCPR PRECAST CASTIN PLACECONCPTN Element type: Pattern	Architectural: CONCST CONCRETE STONE Element type: Pattern	Architectural: CONPBS PUMICE BLK CONC SMSCALE PTN Element type: Pattern
		
Architectural: CSTIRN CAST IRON PATTERN Element type: Pattern	Architectural: CSTSTN CAST STONE PATTERN Element type: Pattern	Architectural: CTILSS CERAMIC TILE SM SCALE Element type: Pattern

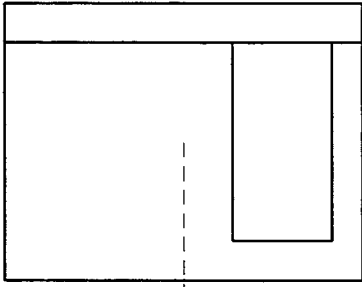
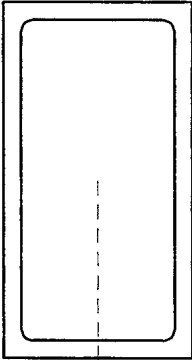
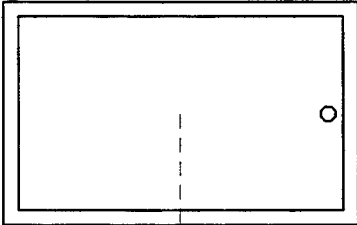
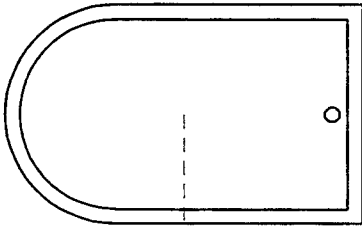
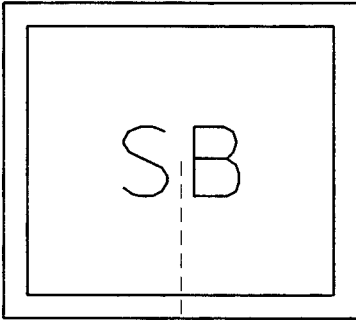
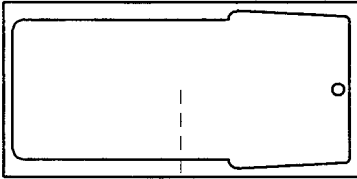
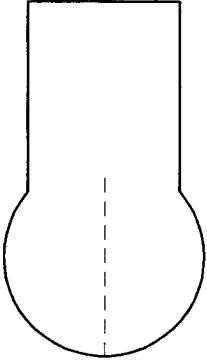
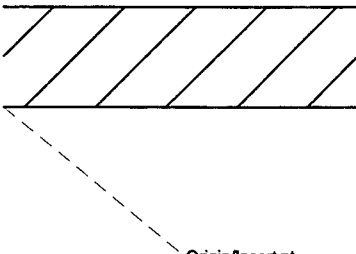
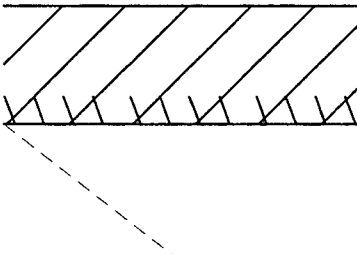
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Architectural: CUTSTN CUT STONE PATTERN Element type: Pattern	Architectural: EARTH COMPACTD FILL EARTHWRK PTN Element type: Pattern	Architectural: FIBFSF FIBROUS FIRE SAFING PTN Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Architectural: GLASS STRUCTURAL GLASS PTN Element type: Pattern	Architectural: GROUT GROUT Element type: Pattern	Architectural: GRVCRE CRUSHED ROCK EARTH GRVL PTN Element type: Pattern
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Architectural: GRVPFE POROUSFILLGRAVLEARTHWRKPTN Element type: Pattern	Architectural: GRVSCL SAND CLAY GRAVEL PATTERN Element type: Pattern	Architectural: GYPPE GYPSUM PLASTERPLAN ELEV PTN Element type: Pattern

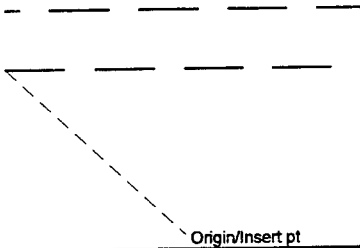
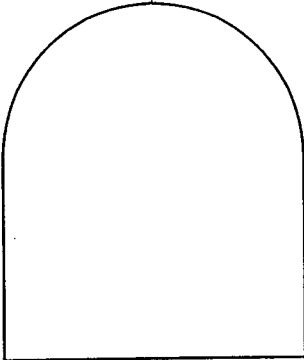
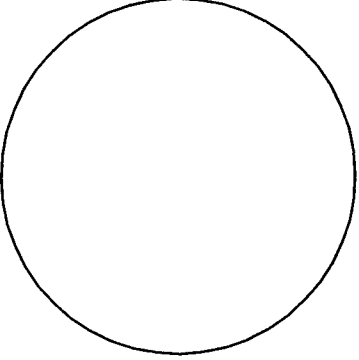
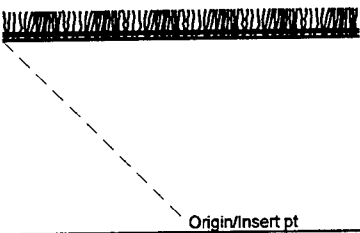
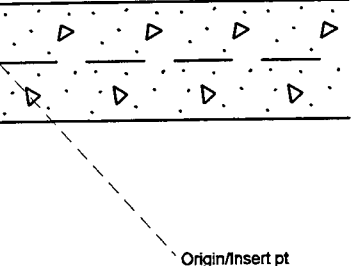
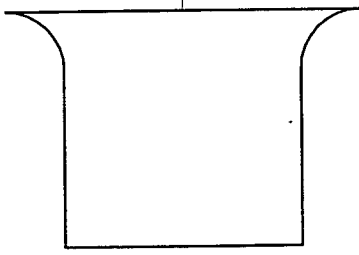
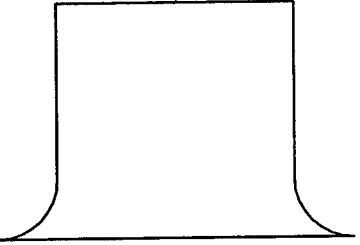
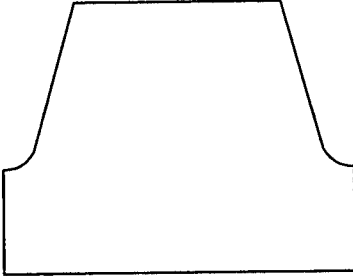
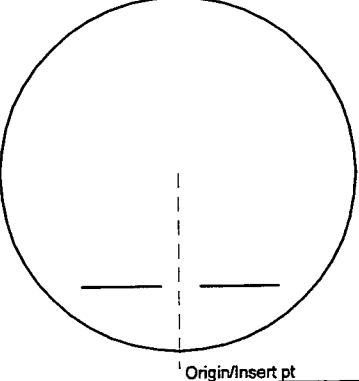
		
Architectural:INSQTL LRGSCALE INSULATNQUILTSPN Element type: Pattern	Architectural:INSRIG RIGID INSULATION PATTERN Element type: Pattern	Architectural:INSSCM SOLIDCORKMAGNESIA INSULPTN Element type: Pattern
		
Architectural:MARBL2 MARBLE STONE PLAN VIEW Element type: Pattern	Architectural:RIPRAP RIPRAP PATTERN Element type: Pattern	Architectural:ROCK ROCK EARTHWORK PATTERN Element type: Pattern
		
Architectural:RUBBLE STONE RUBBLE PATTERN Element type: Pattern	Architectural:SAND SAND PATTERN Element type: Pattern	Architectural:STEEL STEEL OTHER METALS PATTERN Element type: Pattern

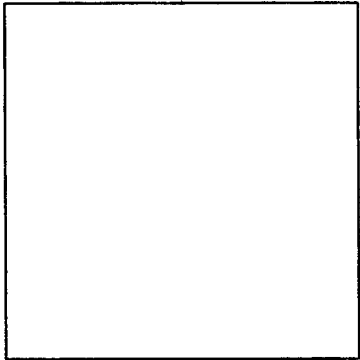
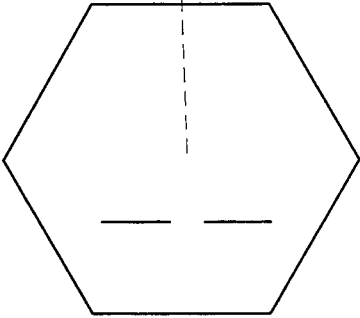
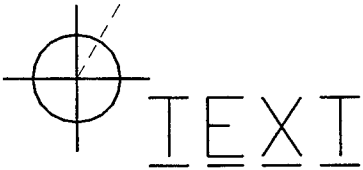
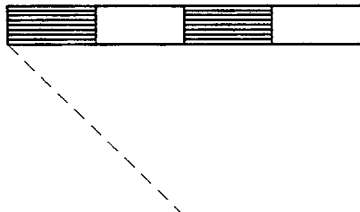
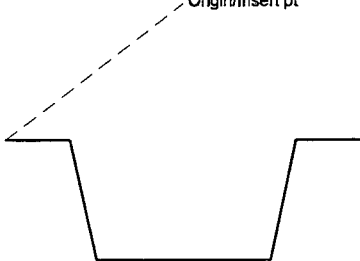
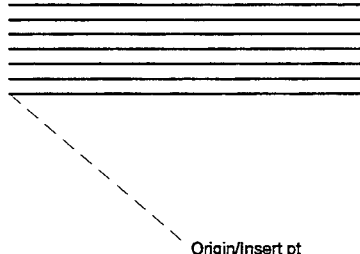
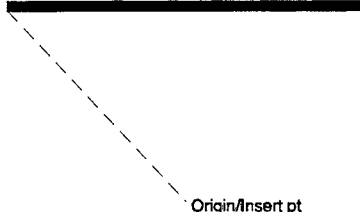
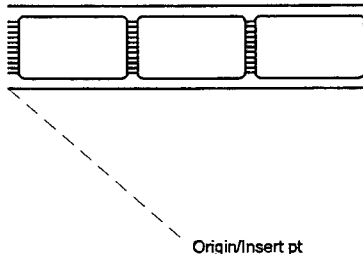
		
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Architectural:TCUSS TERACOTA SMSCALE UNGLZDPTN Element type: Pattern	Architectural:TERRZO TERRAZZO PATTERN Element type: Pattern	Architectural:TILCER CERAMIC TILE ELEVATION PTN Element type: Pattern
 Architectural:TILESF STRUCTURAL FACING TILE PTN Element type: Pattern		

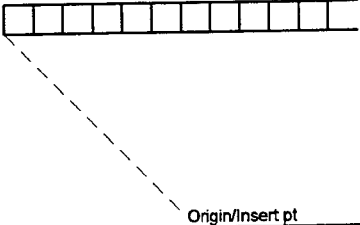
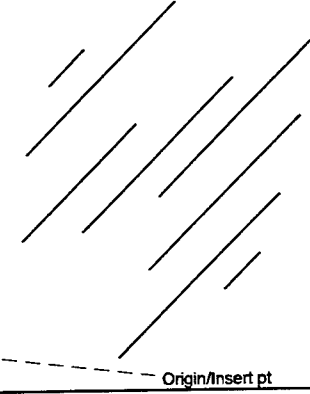
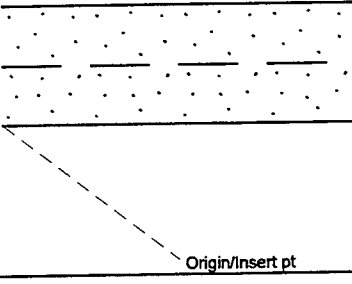
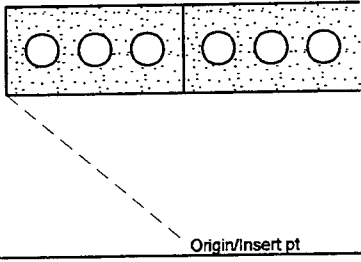
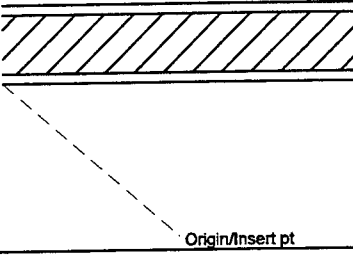
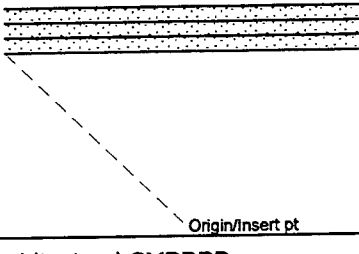
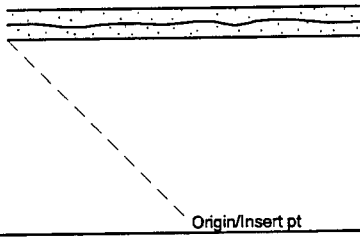
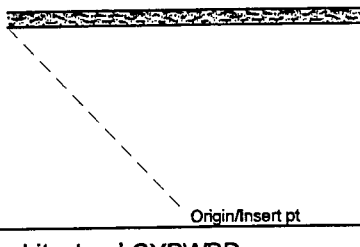
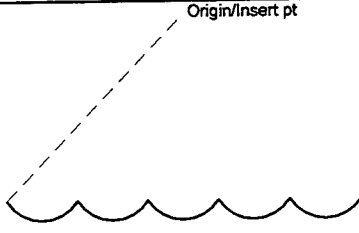
8 Architectural Symbols Library

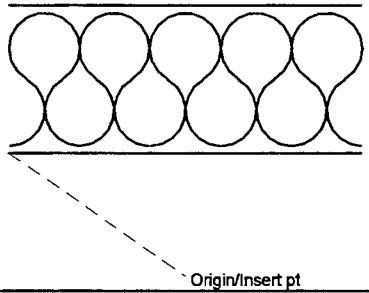
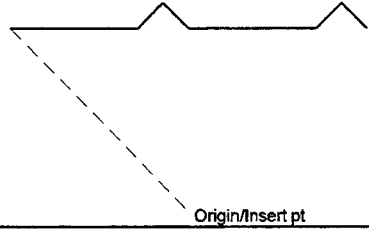
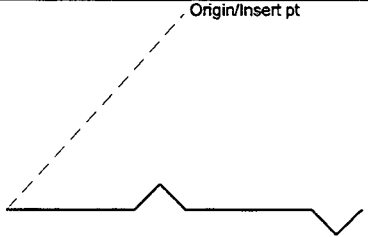
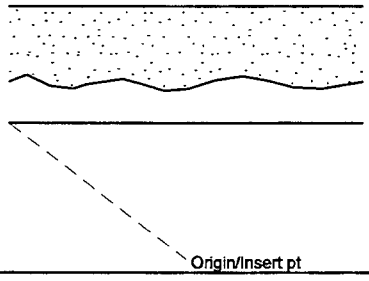
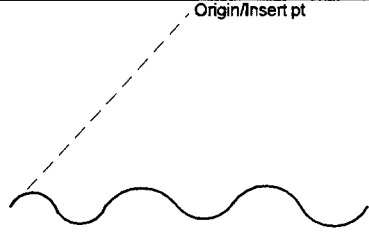
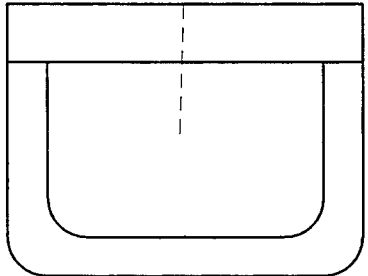
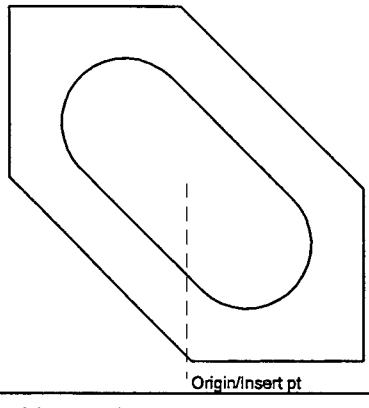
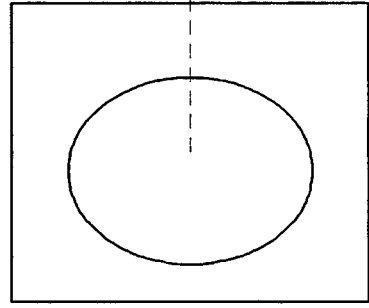
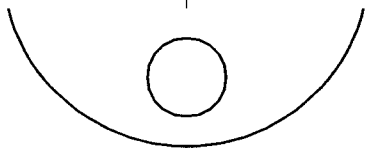
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Architectural:ARCPBW ARCHTCTRL PARTICLEBRD WDWK Element type: Symbol	Architectural:ASBDLS LARGE SCALE ASBESTOS BOARD Element type: Symbol	Architectural:ASBDSS SMALL SCALE ASBESTOS BOARD Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Architectural:BATHCO CORNER BATH Element type: Symbol	Architectural:BATHEM EMERGENCY BATH Element type: Symbol	Architectural:BATHFT FOOT BATH Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Architectural:BATHHA HYDROTHERAPY ARM BATH Element type: Symbol	Architectural:BATHHH HYDROTHERAPY HUBBARD BATH Element type: Symbol	Architectural:BATHHL HYDROTHERAPY LEG BATH Element type: Symbol

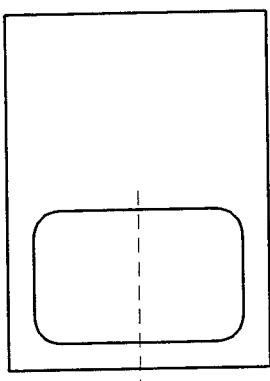
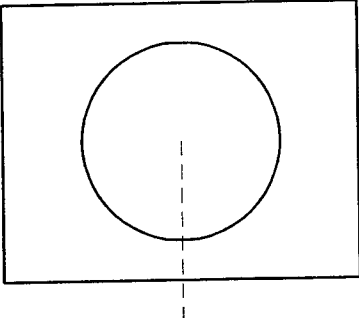
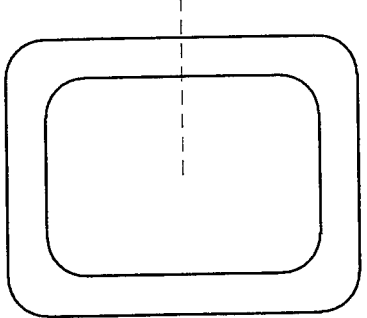
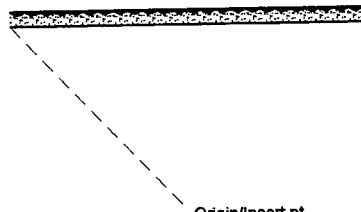
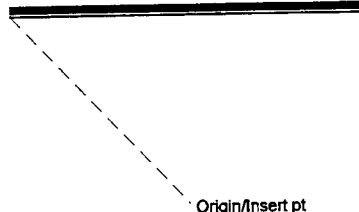
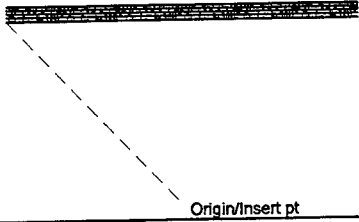
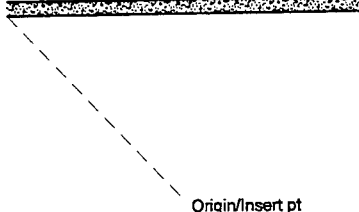
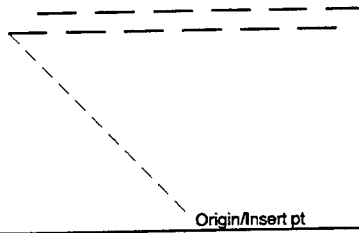
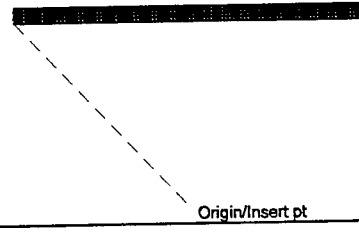
		
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Architectural: BATHRR ROLL RIM BATH Element type: Symbol	Architectural: BATHSZ SITZ BATH Element type: Symbol	Architectural: BATHWP WHIRLPOOL BATH Element type: Symbol
		
Architectural: BIDET WATERCLOSET BIDET Element type: Symbol	Architectural: BRFACC BRICK FACE ON COMMON Element type: Symbol	Architectural: BRFIRE FIRE BRICK Element type: Symbol

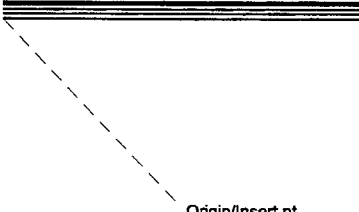
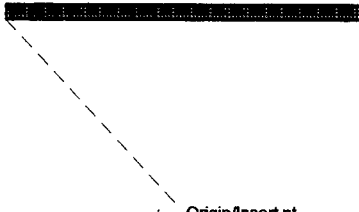
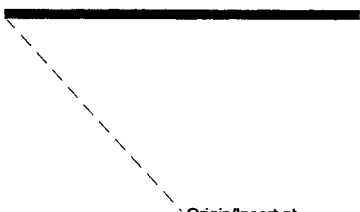
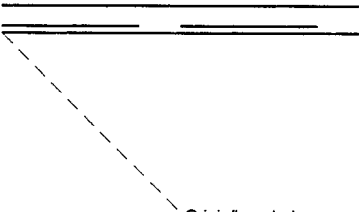
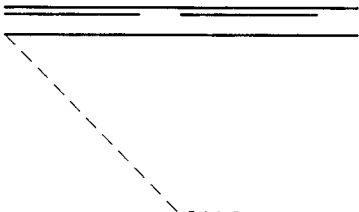
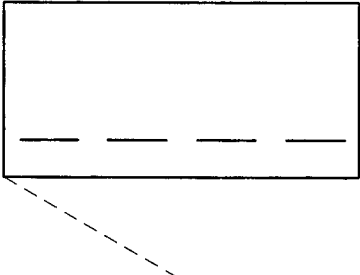
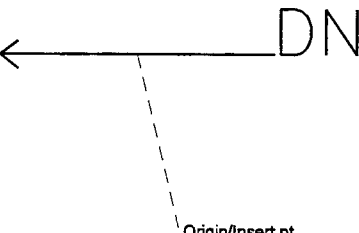
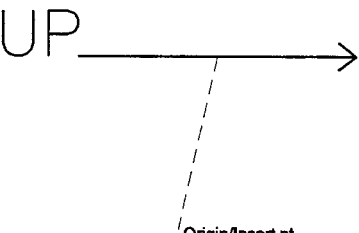
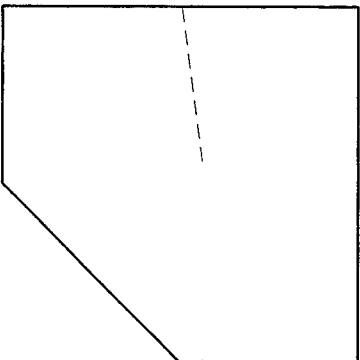
		
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Architectural: CARPET CARPET AND PAD Element type: Symbol	Architectural: CPLANK CONCRETE PLANK Element type: Symbol	Architectural: DFPROJ DRINK FOUNTAIN PROJECTING TYP Element type: Symbol
		
Architectural: DFRECS DRINK FOUNTAIN RECESSED TYP Element type: Symbol	Architectural: DFSREC DRINK FOUNTN SEMIREC SSD TYP Element type: Symbol	Architectural: DOORID DOOR OPENING IDENTIFIER Element type: Symbol

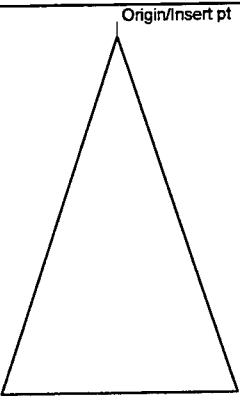
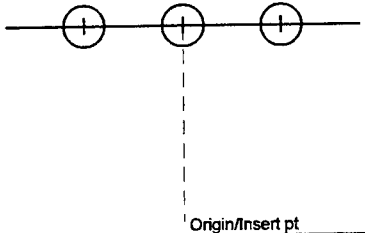
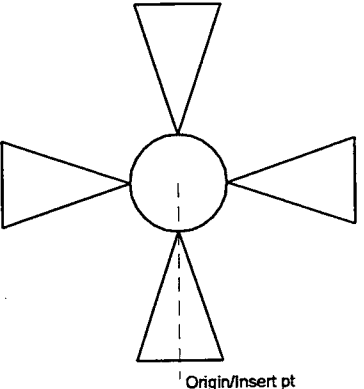
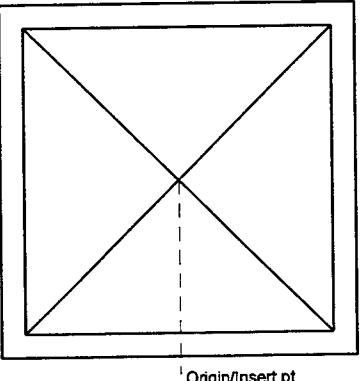
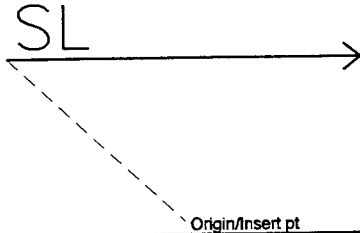
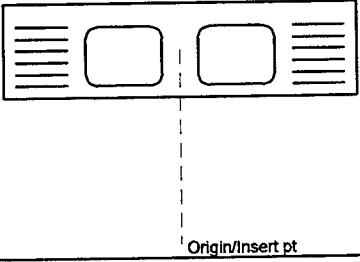
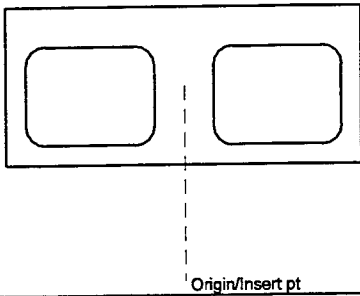
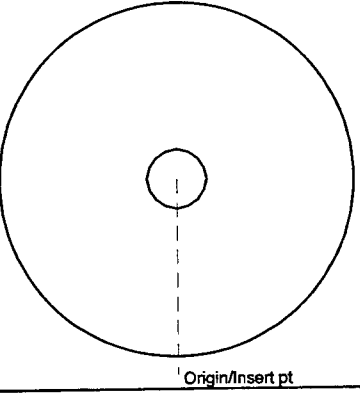
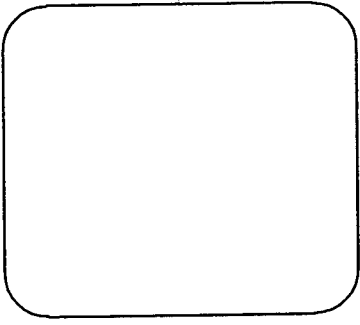
		
Architectural: DSHWSH COMMERCIAL DISHWASHER Element type: Symbol	Architectural: EQPMID EQUIPMENT IDENTIFIER Element type: Symbol	Architectural: FASTEN FASTENER Element type: Symbol
		
Architectural: FLRRPL FLOORING RESILIENT PLSTC LAM Element type: Symbol	Architectural: FURCHH FURRING CHANNEL HAT Element type: Symbol	Architectural: FURCHN FURRING CHANNEL Element type: Symbol
		
Architectural: GLASLS LARGE SCALE GLASS Element type: Symbol	Architectural: GLASSS SMALL SCALE GLASS Element type: Symbol	Architectural: GLBLLS GLASS BLOCK LARGE SCALE Element type: Symbol

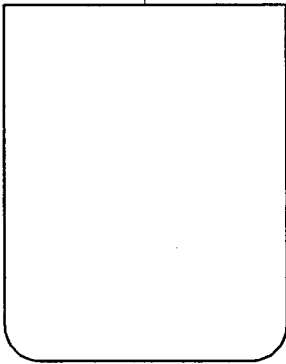
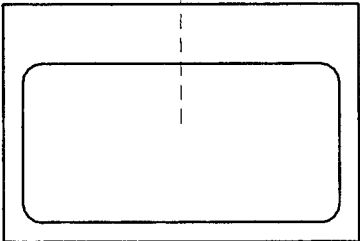
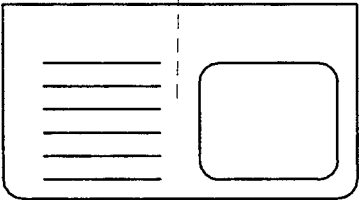
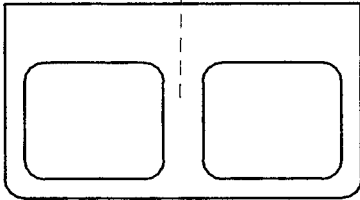
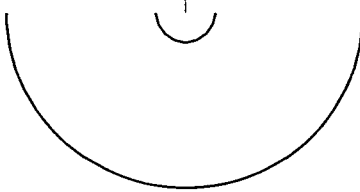
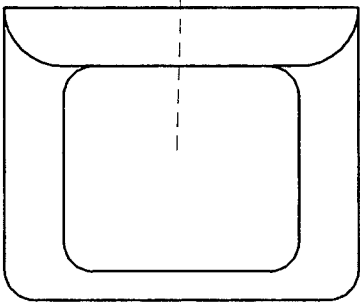
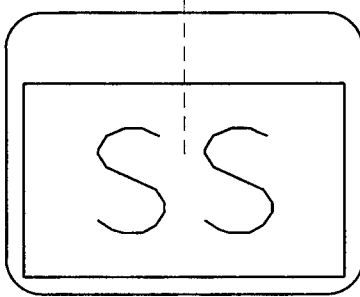
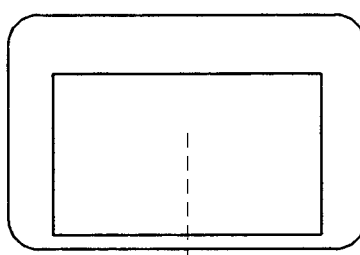
		
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Architectural:GYPBLK GYPSUM BLOCK TILE Element type: Symbol	Architectural:GYPPOM GYPSUM PLASTER ON MASONRY Element type: Symbol	Architectural:GYPPPB GYPSUM PLASTER PARTICLE BR Element type: Symbol
		
Architectural:GYPSP GYPSUMSOLIDPLASTERPARTITION Element type: Symbol	Architectural:GYPWBD GYPSUM WALLBOARD FINISHES Element type: Symbol	Architectural:INFBSS SMSCALE FLXBL BLANKET INSUL Element type: Symbol

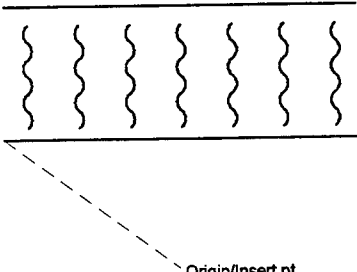
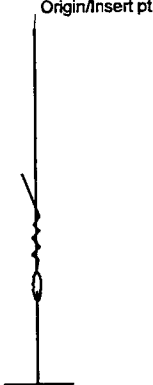
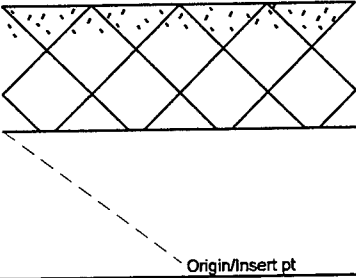
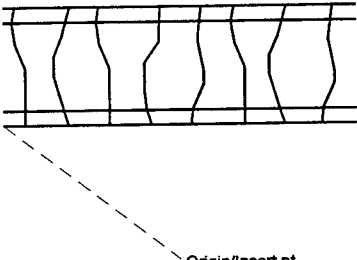
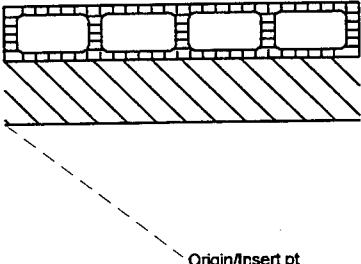
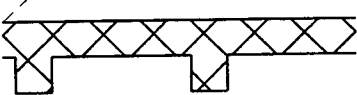
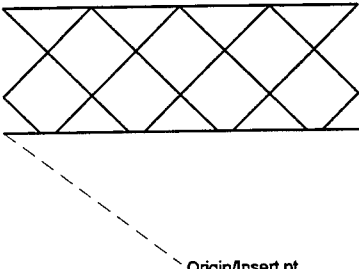
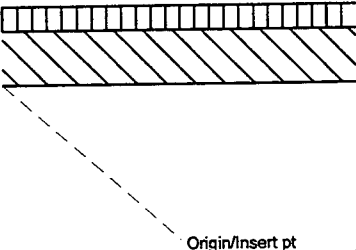
		
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Architectural:INSFOM SPRAY FOAM INSULATION Element type: Symbol	Architectural:INSTND INSUL TYPE NOT DETER LRGSC Element type: Symbol	Architectural:LAVBCK BACK LAVATORY Element type: Symbol
		
Architectural:LAVCOR CORNER LAVATORY Element type: Symbol	Architectural:LAVCOU LAVATORY IN COUNTER Element type: Symbol	Architectural:LAVDNT DENTAL LAVATORY Element type: Symbol

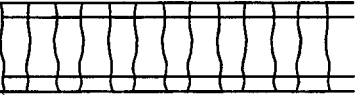
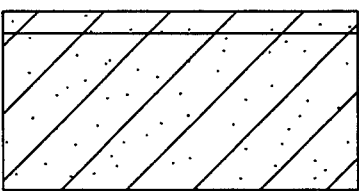
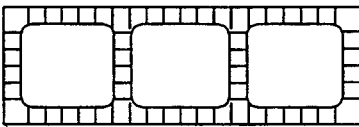
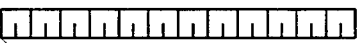
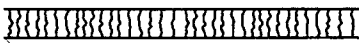
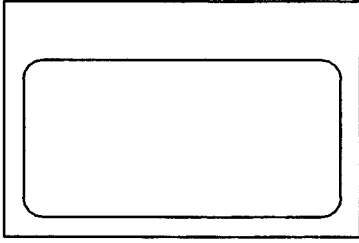
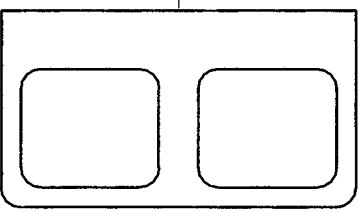
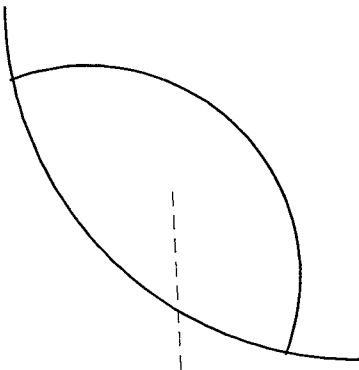
		
Architectural: LAVHND HANDICAPPED LAVATORY Element type: Symbol	Architectural: LAVMDM MEDICAL MANICURE LAVATORY Element type: Symbol	Architectural: LAVSLB SLAB TYPE LAVATORY Element type: Symbol
		
Architectural: MTLPL METAL LATH AND PLASTER Element type: Symbol	Architectural: MTLSHT METAL SHEET ALL METAL SCALES Element type: Symbol	Architectural: ORISTB ORIENTED STRAND BOARD Element type: Symbol
		
Architectural: PARTBD PARTICLEBOARD Element type: Symbol	Architectural: PLASTC PLASTIC FINISHES Element type: Symbol	Architectural: PLPLLS LRGSCALE PLASTIC ON PLYWOOD Element type: Symbol

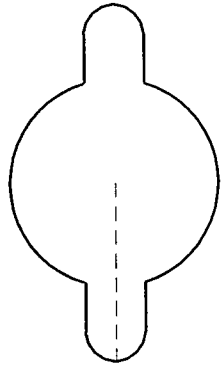
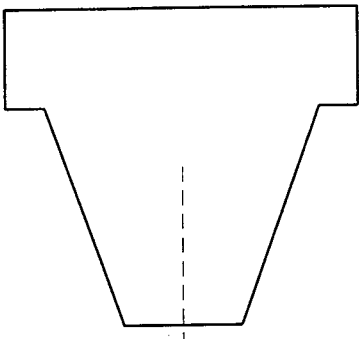
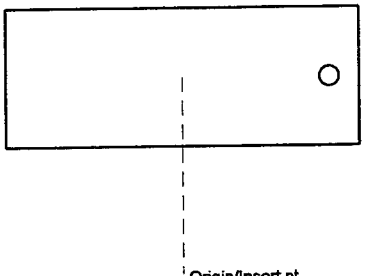
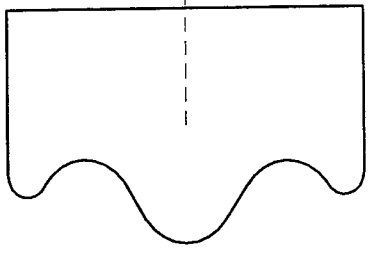
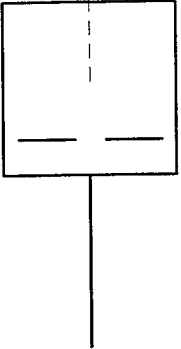
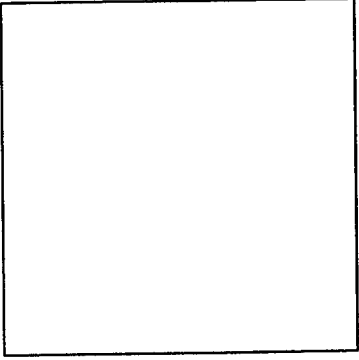
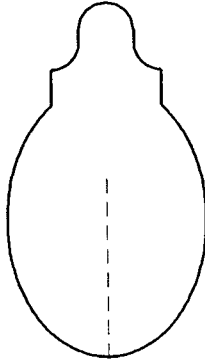
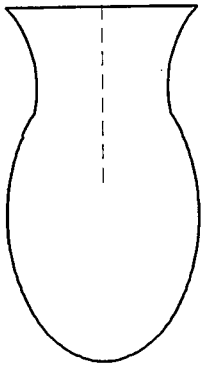
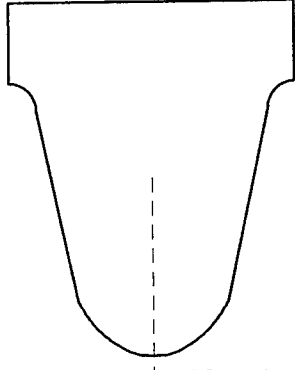
		
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Architectural: RBIILS RGD BRD INTRR INSUL LRGSC Element type: Symbol	Architectural: RBISLS INSUL RGD BRD ASSHTNG LRGSC Element type: Symbol	Architectural: ROOMID ROOM IDENTIFIER Element type: Symbol
		
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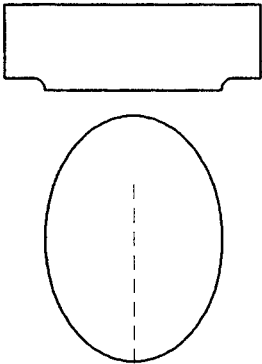
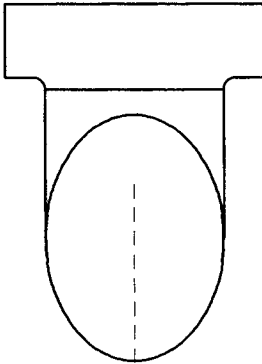
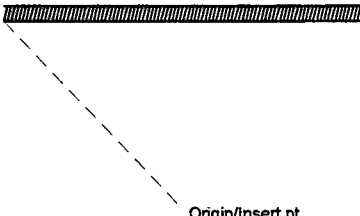
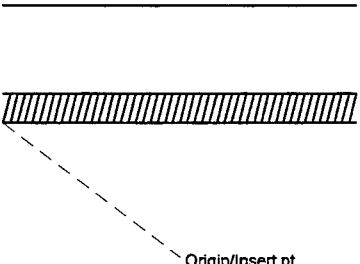
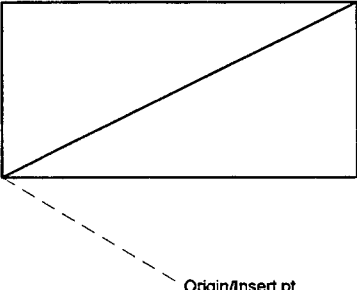
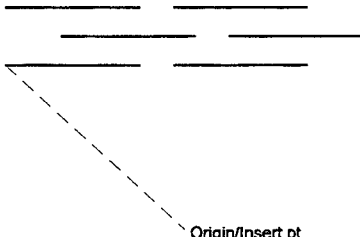
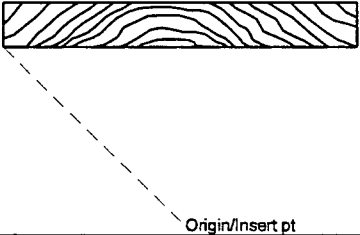
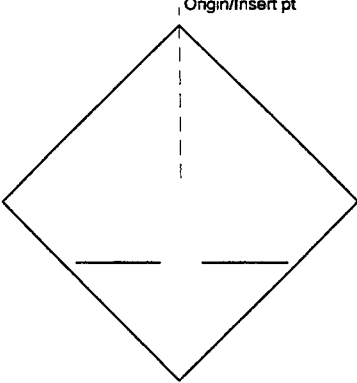
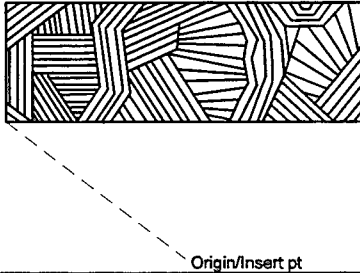
		
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Architectural: SHWRST SHOWER STALL Element type: Symbol	Architectural: SLOPE DIRECTION OF LINE SLOPE Element type: Symbol	Architectural: SNK2BD DBLE SINK W DRAINBOARDS Element type: Symbol
		
Architectural: SNK2CT SINK TWO COMPARTMENT TYPE Element type: Symbol	Architectural: SNKCWT CIRCULAR WASH TYPE SINK Element type: Symbol	Architectural: SNKDSP SINK DISPOSER Element type: Symbol

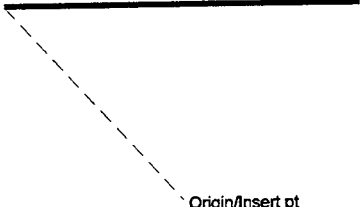
		
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Architectural:SNKLDB SINK W LEFT DRAINBOARD Element type: Symbol	Architectural:SNKLTR SINK LAUNDRY TRAY Element type: Symbol	Architectural:SNKSCW SEMICIRULAR WASH SINK Element type: Symbol
		
Architectural:SNKSLP SLOP TYPE SINK Element type: Symbol	Architectural:SNKSRV SERVICE SINK Element type: Symbol	Architectural:SNKSSC SURGEON SCRUB SINK Element type: Symbol

		
Architectural:STLCSS STRUCTURAL CLAY TILE SM SCL Element type: Symbol	Architectural:SUSPNT SUSPENSION TEE Element type: Symbol	Architectural:TC1FLS TERACOTA GLZD1FACE LRGSCALE Element type: Symbol
		
Architectural:TC2FSS TERACOTA GLZD2FACES SMSCALE Element type: Symbol	Architectural:TCHOLW HOLLOW TERRA COTTA Element type: Symbol	Architectural:TCLS LARGE SCALE TERRA COTTA Element type: Symbol
		
Architectural:TCQLS TERA COTA QUARRY LRGSCALE Element type: Symbol	Architectural:TCUGLS TERACOTA UNGLAZED LRGSCALE Element type: Symbol	Architectural:TCVENR VENEER TERRA COTTA Element type: Symbol

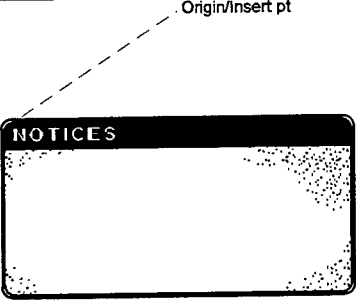
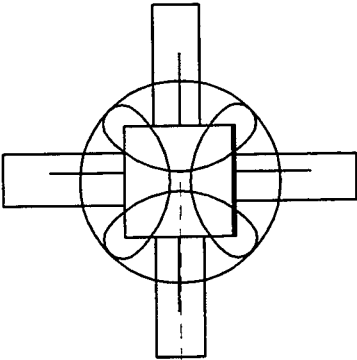
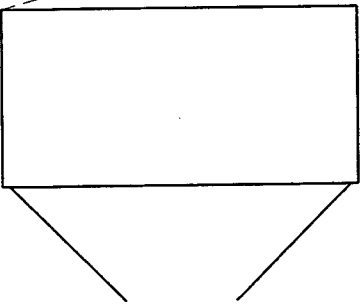
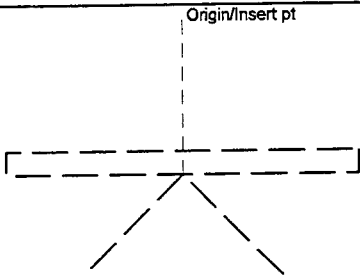
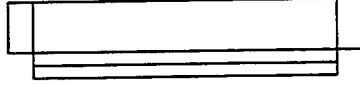
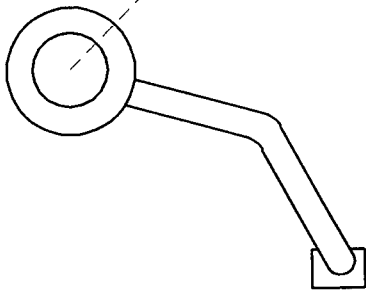
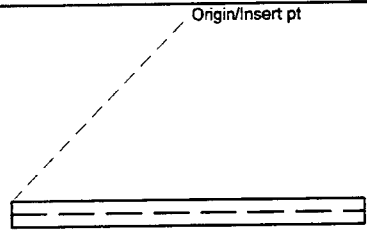
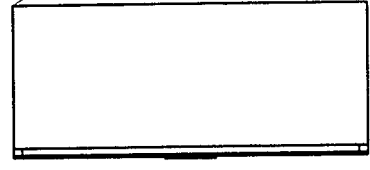
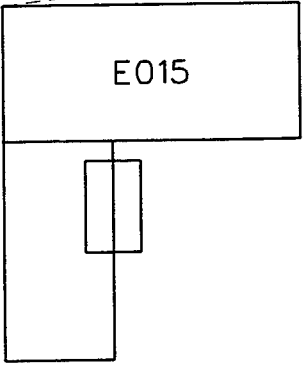
		
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Architectural: TILSFU TILE STRUCTURAL FLOOR UNITS Element type: Symbol	Architectural: TLACOU ACOUSTICAL TILE FINISH Element type: Symbol	Architectural: TLCRLS CERAMICTILE FINISH LRGSCALE Element type: Symbol
		
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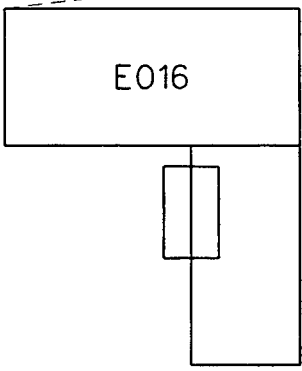
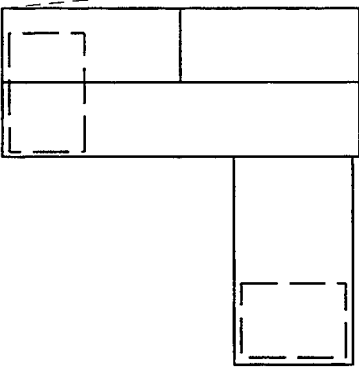
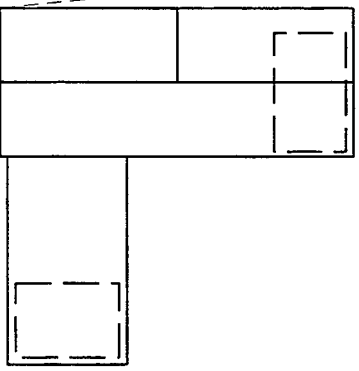
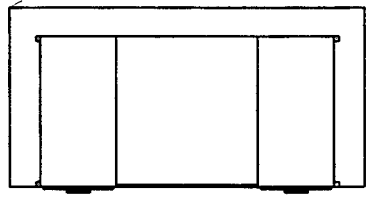
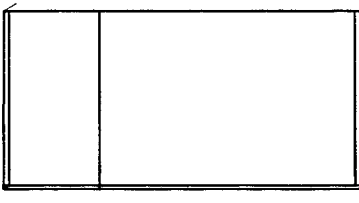
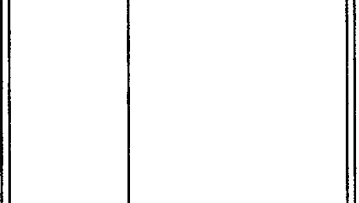
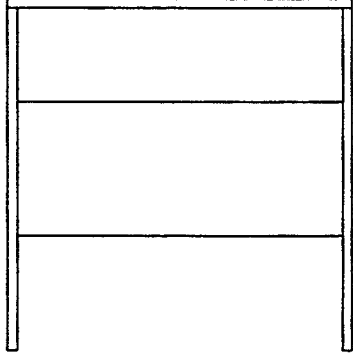
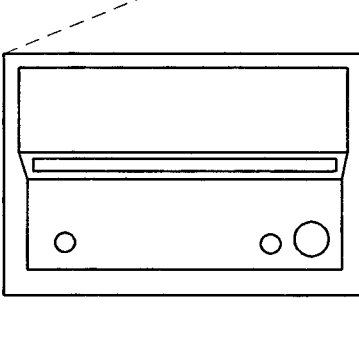
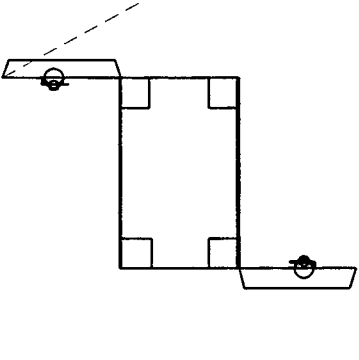
		
Architectural:URNLPD PEDESTAL TYPE URINAL Element type: Symbol	Architectural:URNLST URINAL STALL Element type: Symbol	Architectural:URNLTR TROUGH TYPE URINAL Element type: Symbol
		
Architectural:URNLWH WALL HUNG URINAL Element type: Symbol	Architectural:WALLID WALL TYPE IDENTIFIER Element type: Symbol	Architectural:WCELWH ELEC WALLHUNG WATER COOLER Element type: Symbol
		
Architectural:WCFVFO F.V. FLR OUTLET WATERCLOSET Element type: Symbol	Architectural:WCFVWH F.V. WALL HUNG WATERCLOSET Element type: Symbol	Architectural:WCITNK INTEGRAL TANK WATERCLOSET Element type: Symbol

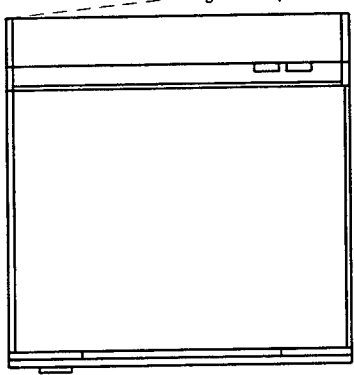
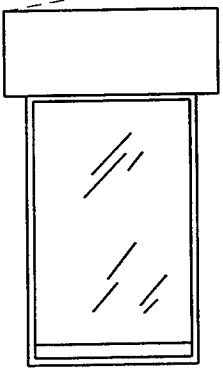
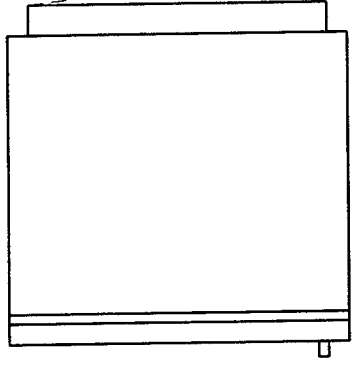
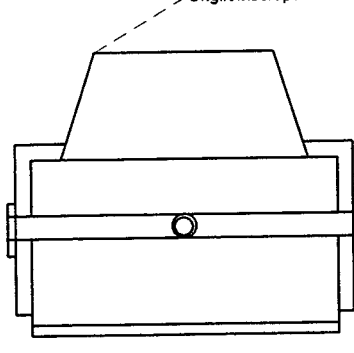
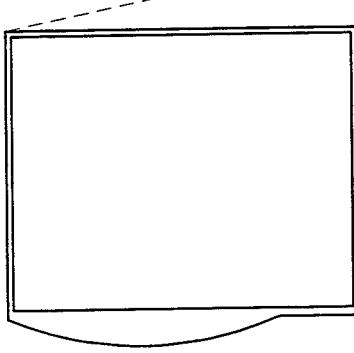
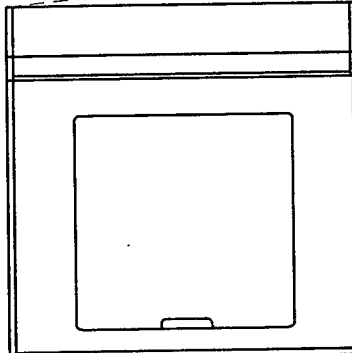
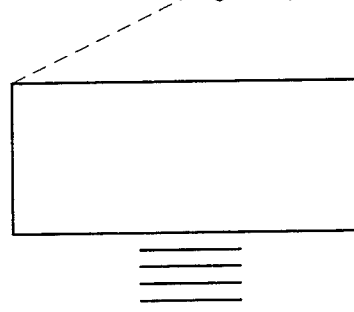
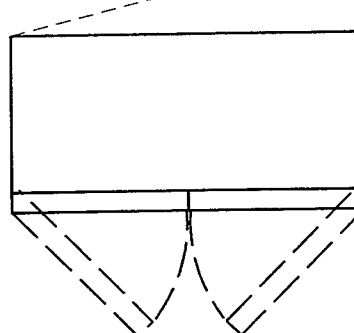
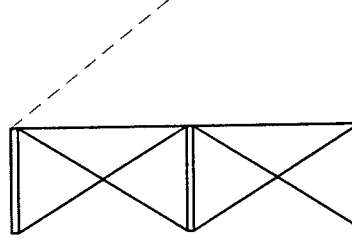
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Architectural:WCTANK TANK TYPE WATERCLOSET Element type: Symbol	Architectural:WCWHTN WALL HUNG TANK WATERCLOSET Element type: Symbol	Architectural:WDFLBD WOOD FLOOR BOARD Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Architectural:WDFNOS WOOD FINISH ON STUDS Element type: Symbol	Architectural:WDFRAM CONTINUOUS WOOD FRAMING Element type: Symbol	Architectural:WDSHSD WOOD SHINGLES SIDING Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
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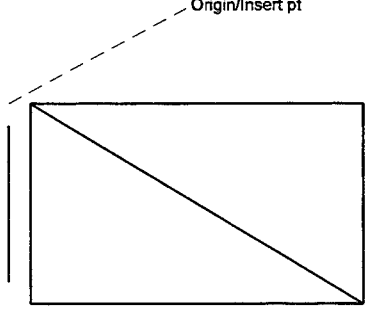
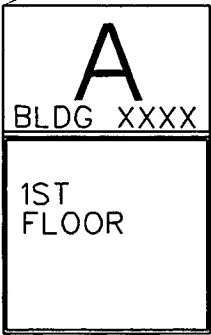
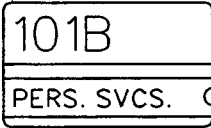
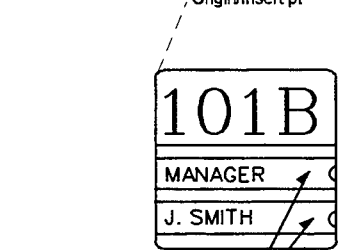
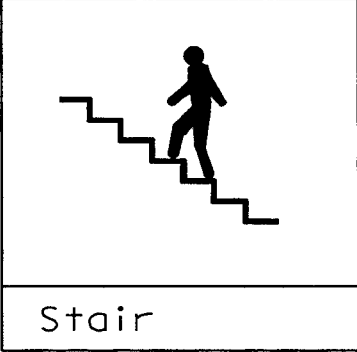
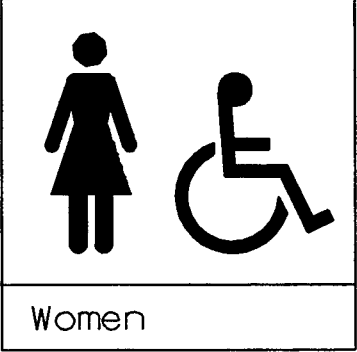
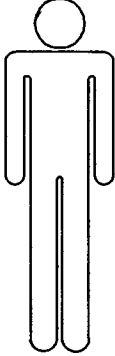
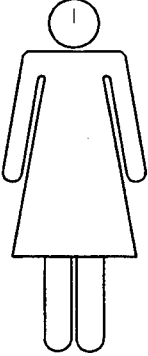
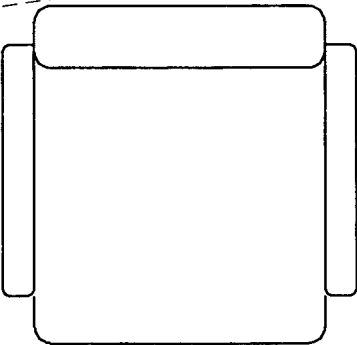
	
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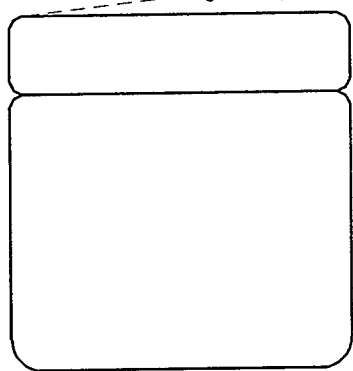
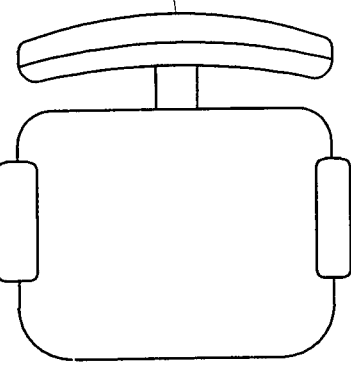
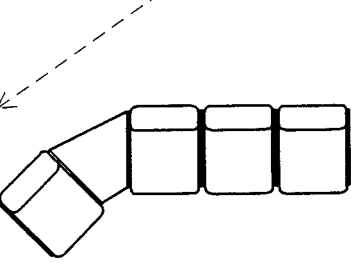
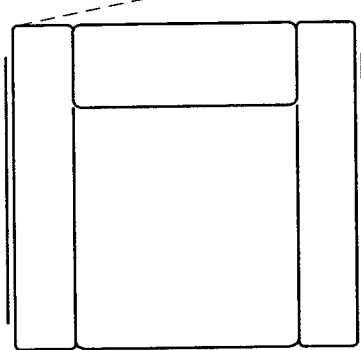
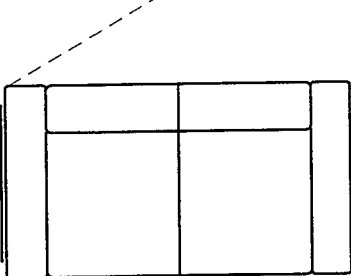
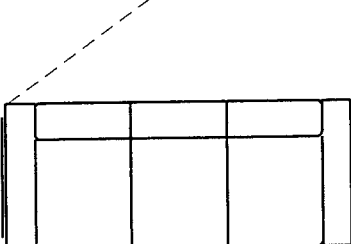
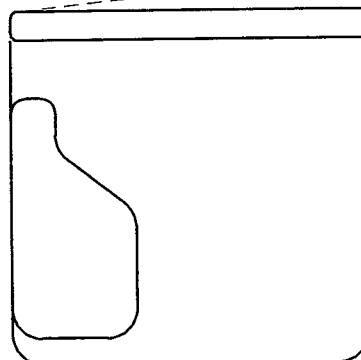
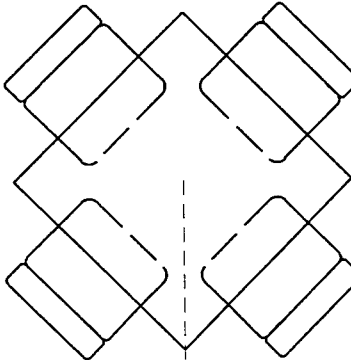
9 Interiors Objects Library

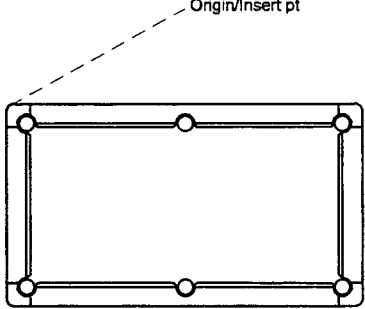
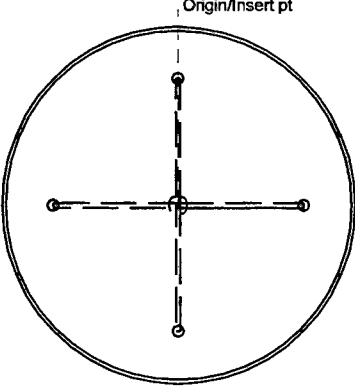
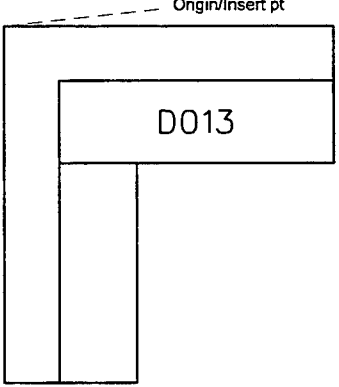
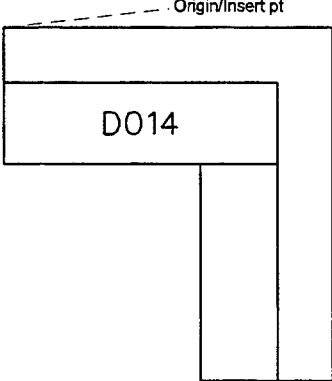
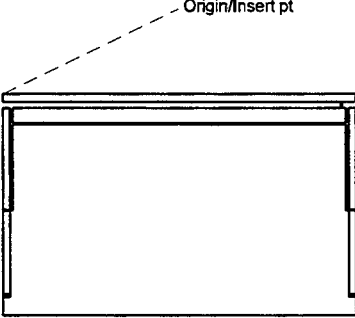
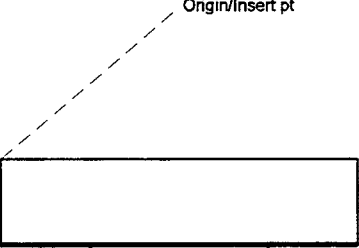
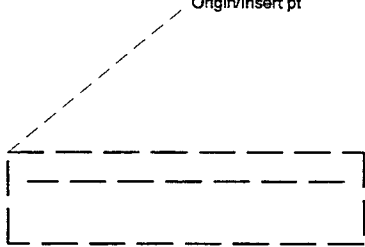
		
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Interiors: AEAS30 EASEL 30W HIDDEN Element type: Object	Interiors: AMAG15 MAGAZINE RACK 15W X 3D Element type: Object	Interiors: AMAGLT MAGNIFYING LIGHT Element type: Object
		
Interiors: APRJSC PROJECTION SCR N CEILNG MNTD Element type: Object	Interiors: ASTCAB STORAGE CABINET Element type: Object	Interiors: D65CLR DESK 65 COMP LR Element type: Object

		
Interiors: D65CRR DESK 65 COMP RR Element type: Object	Interiors: D7230L LH SNGL PED DESK 72W X 30D2 Element type: Object	Interiors: D7230R RH SNGL PED DESK 72W X 30D2 Element type: Object
		
Interiors: DPFF DESK DOUBLE FILE PEDESTAL Element type: Object	Interiors: DPFL DESK LEFT PEDESTAL Element type: Object	Interiors: DPFR DESK RETURN PEDESTAL FILE Element type: Object
		
Interiors: DSC1 DESK STUDY CARREL SINGLE Element type: Object	Interiors: ECGAME FREESTANDING COMPUTER GAME Element type: Object	Interiors: ECOMCN COMSEC CONTAINER Element type: Object

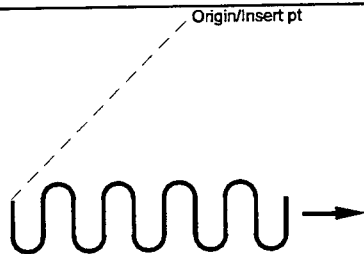
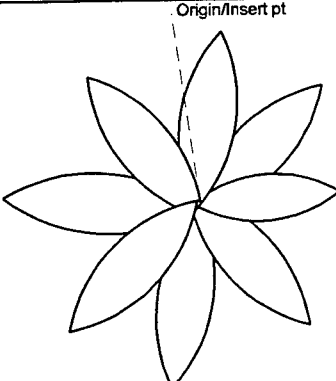
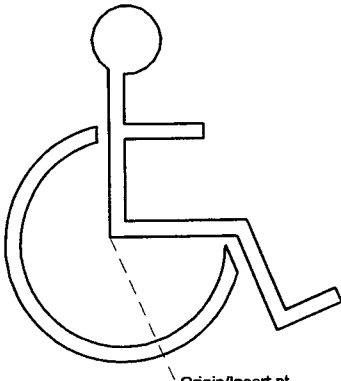
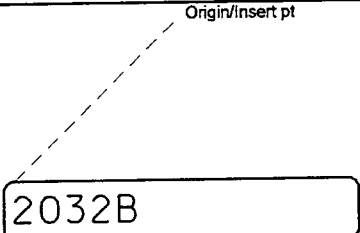
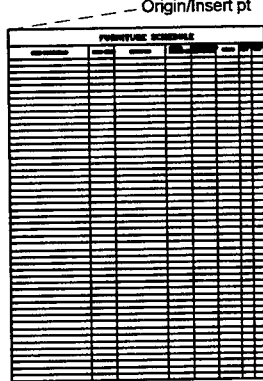
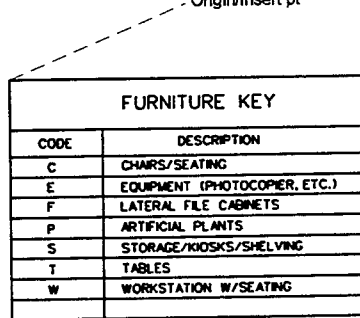
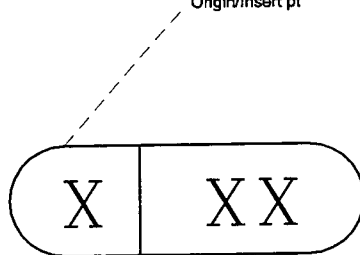
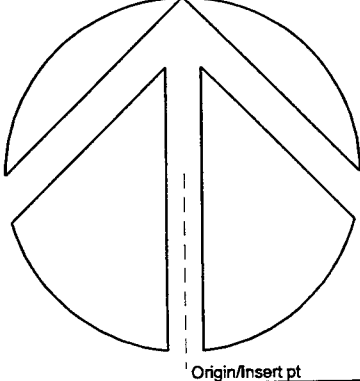
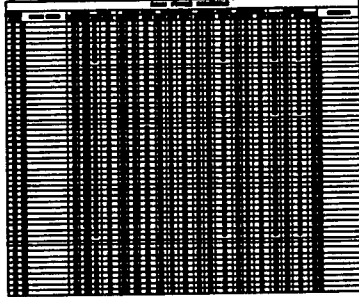
		
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Interiors:ETV TELEVISION Element type: Object	Interiors:EVEND VENDING MACHINE Element type: Object	Interiors:EWASHM WASHING MACHINE Element type: Object
		
Interiors:F4DL LATERAL FILE CABINET 4 DRAW Element type: Object	Interiors:FC3618 STORAGE CABINET 36W X 18D Element type: Object	Interiors:FE7422 EQUIP SHELUNG 74WX22D BRRKS Element type: Object

		 REMOVABLE NAME SLOTS
Interiors: FV1833 VERTICAL FILE 18W X 33D Element type: Object	Interiors: GIDIR DIRECTORY Element type: Object	Interiors: GIIS1 IDENT SIGN WITH 1 SLOT Element type: Object
 REMOVABLE NAME SLOTS	 Stair	 Women
Interiors: GIIS2 IDENT SIGN WITH 2 SLOTS Element type: Object	Interiors: GIPIC1 PICTOGRAM 1 Element type: Object	Interiors: GIPIC2 PICTOGRAM 2 Element type: Object
		
Interiors: GMAN MAN SYM FR RESTROOM SIGNAGE Element type: Object	Interiors: GWOMAN WOMAN SYMFOR RESTRM SGNAGE Element type: Object	Interiors: SDMG MGMNT CHAIR W ARMS 24WX22D Element type: Object

		
Interiors: SDSEC SECCTRL CHR NO ARMS 23WX22D Element type: Object	Interiors: SDTASK TASK CHAIR Element type: Object	Interiors: SGANG GANG SEATING W TABLE Element type: Object
		
Interiors: SSOF37 SOFA CHAIR 37W X 34D Element type: Object	Interiors: SSOF63 2 CUSHION SOFA 63W X 34D Element type: Object	Interiors: SSOF82 3 CUSHION SOFA 82.5W X 34D Element type: Object
		
Interiors: STAB24 CHAIR TABLET ARM 24W X 24D Element type: Object	Interiors: T42SQ TABLE 42SQ W ARMLESS CHR Element type: Object	Interiors: TMS30 MAILSORT TBLE 160H SLOTS30W Element type: Object

		
Interiors:TPOOL POOL TABLE Element type: Object	Interiors:TROUND ROUND TABLE Element type: Object	Interiors:W7230L WORKSTATION L UNIT LR Element type: Object
		
Interiors:W7230R WORKSTATION L UNIT RR Element type: Object	Interiors:WCPDSK DESK COMPUTER Element type: Object	Interiors:WFLIPR FLIPPER DOOR UNIT Element type: Object
		
Interiors:WLIGHT WORKSTATION LIGHT Element type: Object	Interiors:WPED WORKSTATION PEDESTAL Element type: Object	

9 Interiors Symbols Library

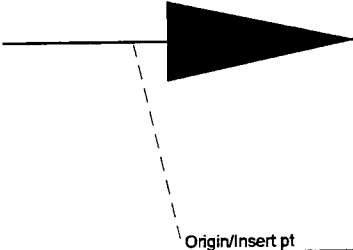
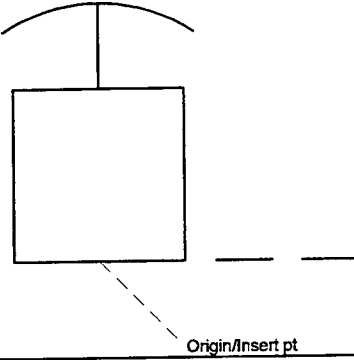
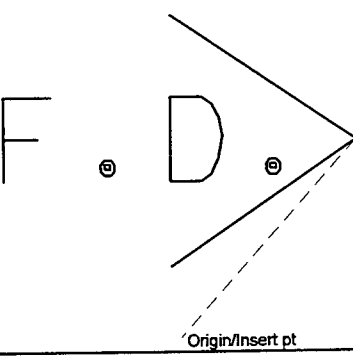
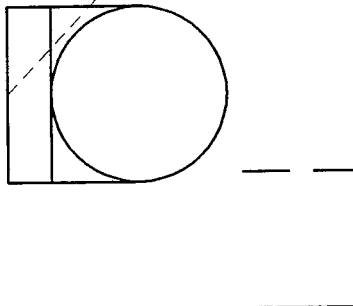
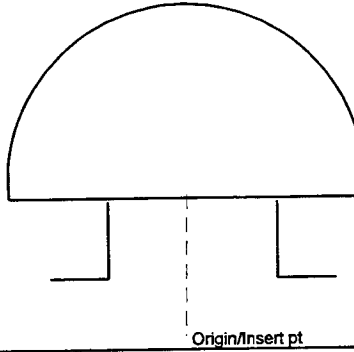
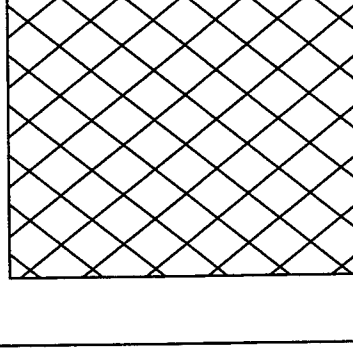
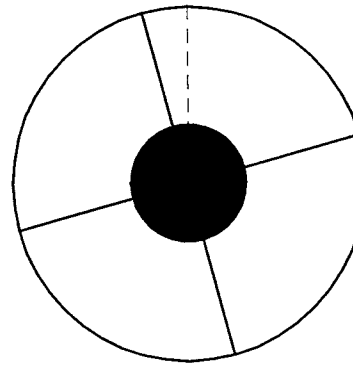
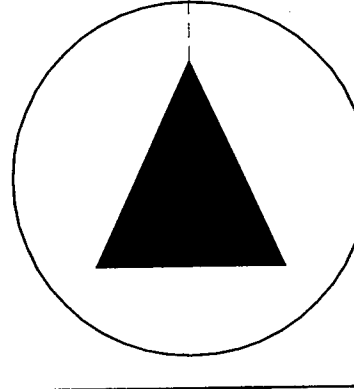
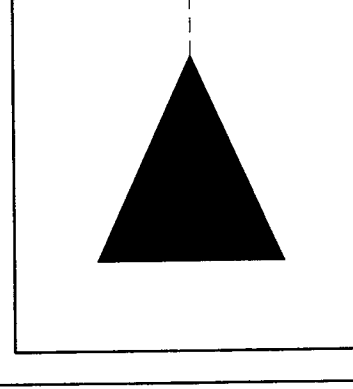
																				
Interiors: ACURTN CURTAIN Element type: Symbol	Interiors: APLANT ARTIFICIAL PLANT Element type: Symbol	Interiors: GHNDPC UNIVERSAL HANDICAP SYMBOL Element type: Symbol																		
		 <table><tr><th colspan="2">FURNITURE KEY</th></tr><tr><th>CODE</th><th>DESCRIPTION</th></tr><tr><td>C</td><td>CHAIRS/SEATING</td></tr><tr><td>E</td><td>EQUIPMENT (PHOTOCOPIER, ETC.)</td></tr><tr><td>F</td><td>LATERAL FILE CABINETS</td></tr><tr><td>P</td><td>ARTIFICIAL PLANTS</td></tr><tr><td>S</td><td>STORAGE/KIOSKS/SHELVING</td></tr><tr><td>T</td><td>TABLES</td></tr><tr><td>W</td><td>WORKSTATION W/SEATING</td></tr></table>	FURNITURE KEY		CODE	DESCRIPTION	C	CHAIRS/SEATING	E	EQUIPMENT (PHOTOCOPIER, ETC.)	F	LATERAL FILE CABINETS	P	ARTIFICIAL PLANTS	S	STORAGE/KIOSKS/SHELVING	T	TABLES	W	WORKSTATION W/SEATING
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W	WORKSTATION W/SEATING																			
Interiors: GIID IDENTIFICATION SIGN Element type: Symbol	Interiors: MFMATL FURNITURE MATERIAL LIST Element type: Symbol	Interiors: MFSCHD FURNITURE SCHEDULE Element type: Symbol																		
																				
Interiors: MFSYMB FURNITURE SYMBOL Element type: Symbol	Interiors: MNORTH NORTH ARROW Element type: Symbol	Interiors: MRSCHD ROOM FINISH SCHEDULE Element type: Symbol																		

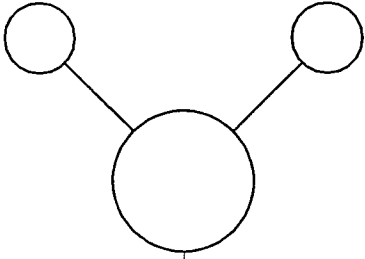
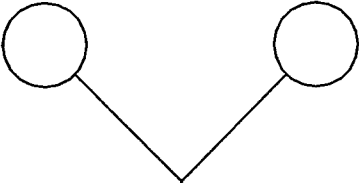
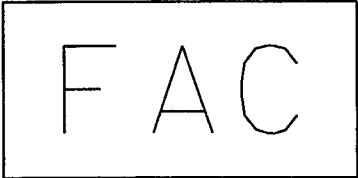
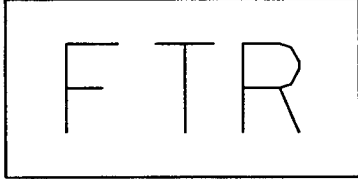
-- Origin/Insert pt	
LEGEND	
TYPE	DESCRIPTION
A	DIRECTIONALS
B1	IDENTIFICATION
B2	ROOM OCCUPANT SIGN
B3	IDENTIFICATION - SERVICE
C	SERVICE PICTOGRAMS
D	EXTERIOR - ENTRANCE
E	EXTERIOR - EXIT
NUMBER  SIGN TYPE	
SEE SPECIFICATION 10430 AND 10440	
Interiors: MSSCHD SIGNAGE SCHEDULE Element type: Symbol	

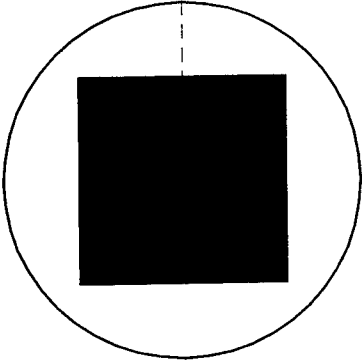
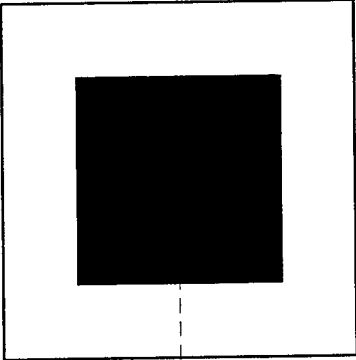
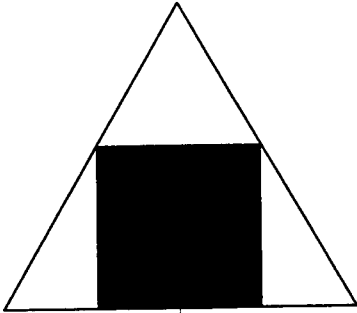
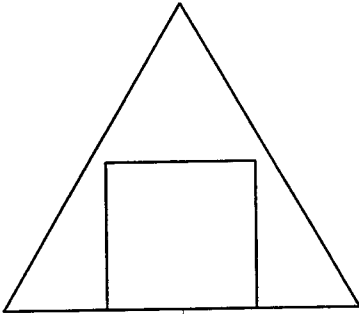
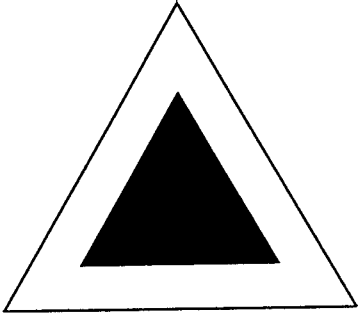
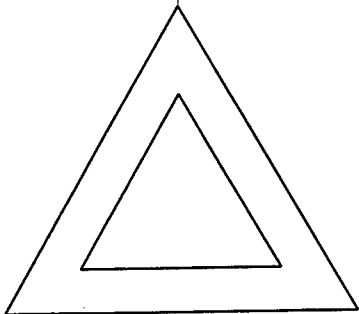
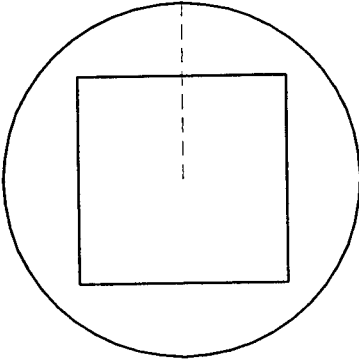
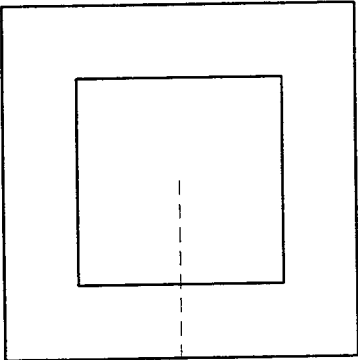
10 Fire Protection Lines Library

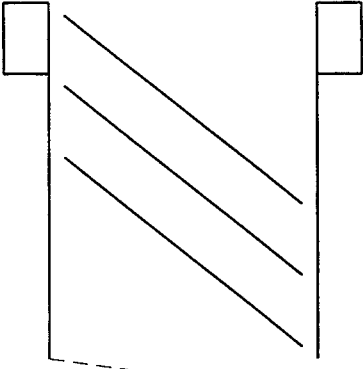
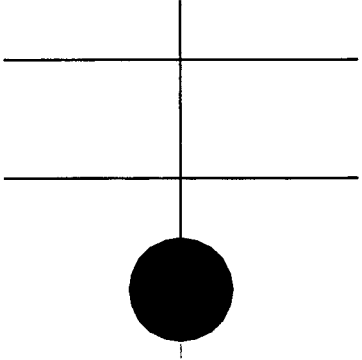
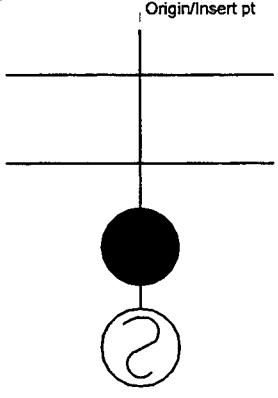
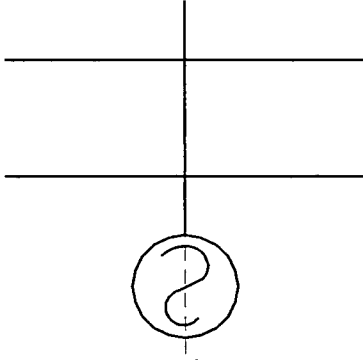
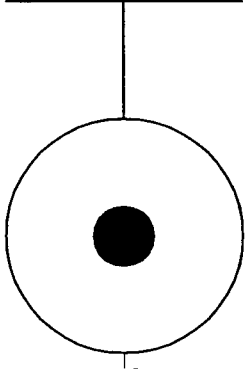
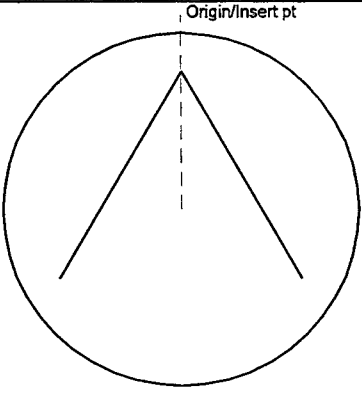
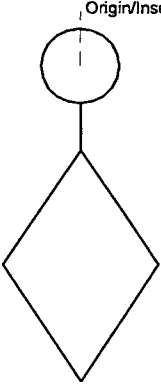
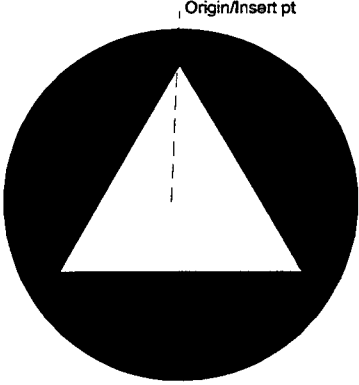
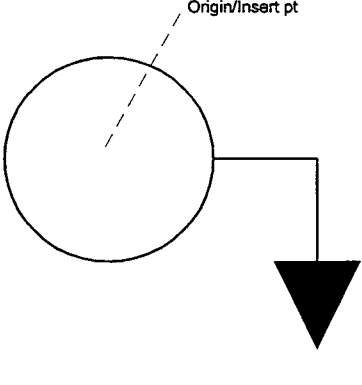
———— F ————		———— S ————
Fire Protection: FIRE FIRE PROTECTION WATR SUPPLY Element type: Line	Fire Protection: MANSUC SUCTION MAIN Element type: Line	Fire Protection: SPRINK MAIN SUPPLY SPRINKLER Element type: Line
———— C S P ————	———— D S P ————	———— W S P ————
Fire Protection: STDCOM COMBINATION STANDPIPE Element type: Line	Fire Protection: STDDRY DRY STANDPIPE Element type: Line	Fire Protection: STDWET WET STANDPIPE Element type: Line

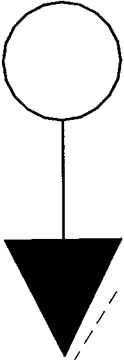
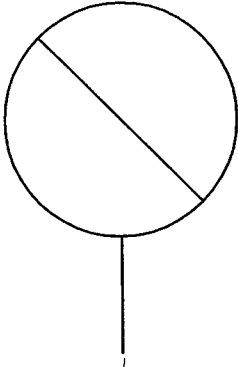
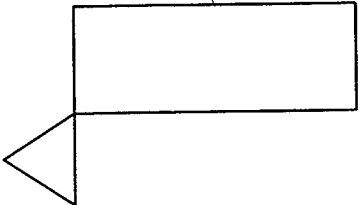
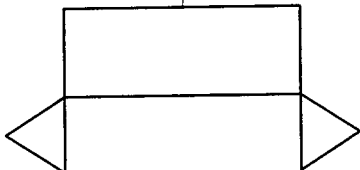
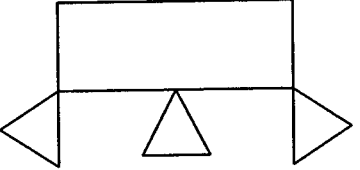
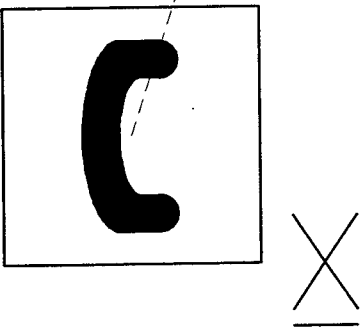
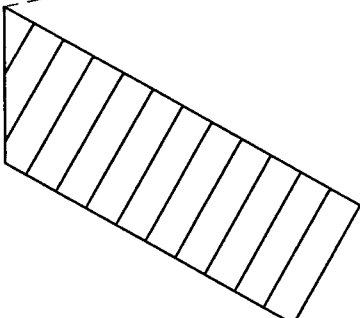
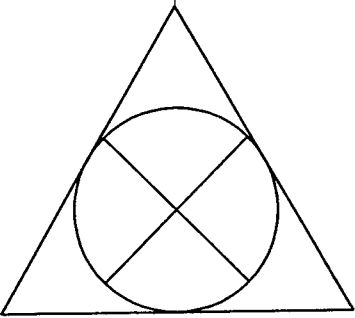
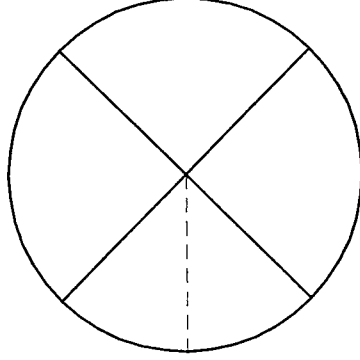
10 Fire Protection Symbols Library

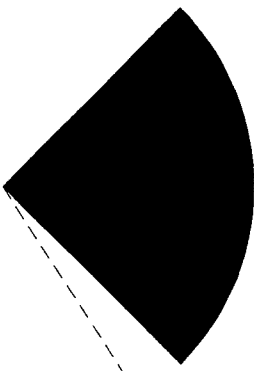
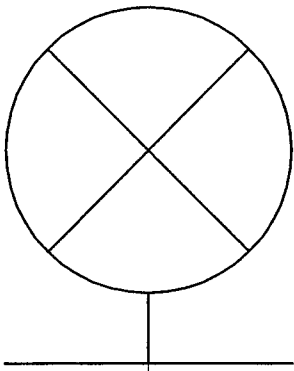
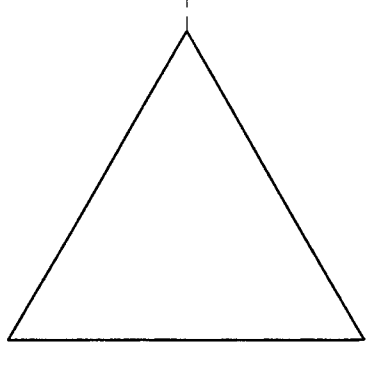
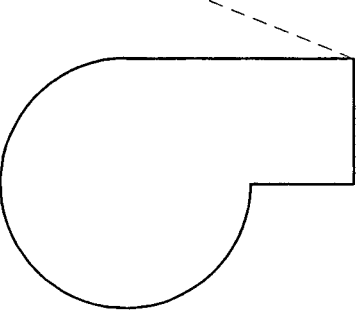
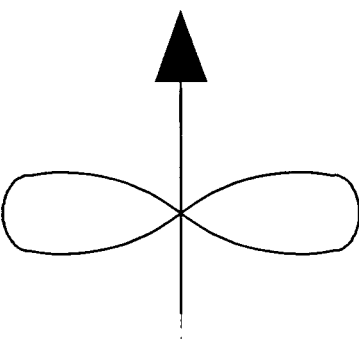
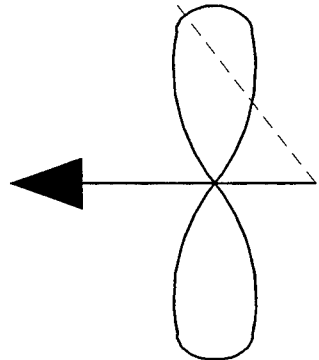
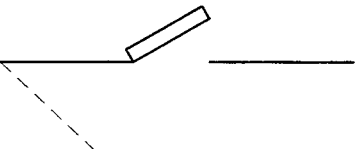
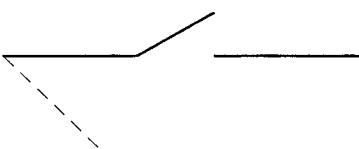
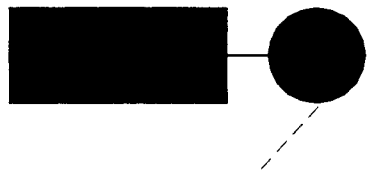
		
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Fire Protection: AGSTCN AGENT STORAGE CONTAINER Element type: Symbol	Fire Protection: BELLFA FIRE ALARM BELL Element type: Symbol	Fire Protection: BOILER BOILER Element type: Symbol
		
Fire Protection: CHIMNY CHIMNEY Element type: Symbol	Fire Protection: CO2AA CO2 AUTO ACTUATED EXNGSHR Element type: Symbol	Fire Protection: CO2MA CO2 MAN ACTUATED EXNGSHR Element type: Symbol

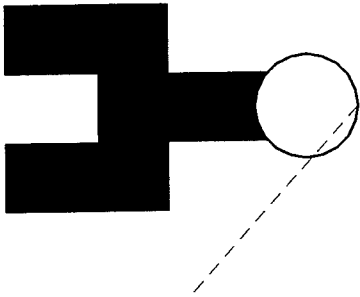
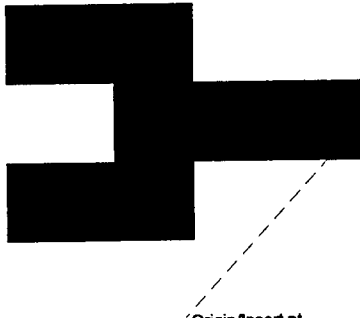
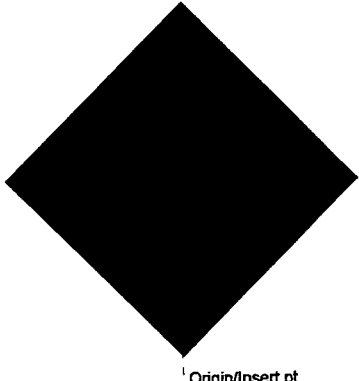
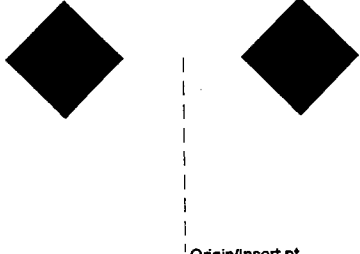
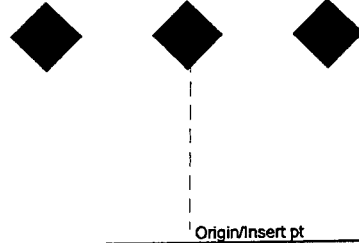
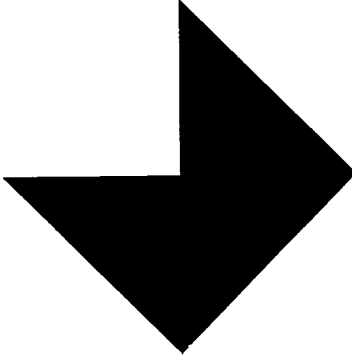
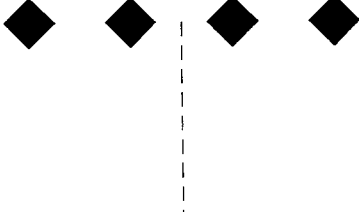
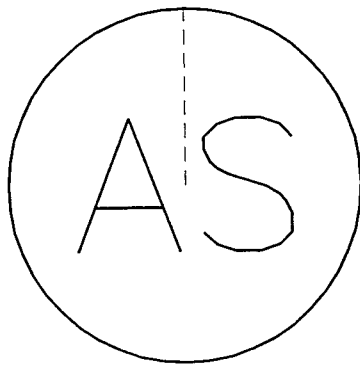
		
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Origin/Insert pt 	Origin/Insert pt 	Origin/Insert pt 
Fire Protection:CPESR ELEVATOR STATUS RECALL Element type: Symbol	Fire Protection:CPFAC FIRE AL COMMUNICATOR Element type: Symbol	Fire Protection:CPFACP F A CONTROL PANEL Element type: Symbol
Origin/Insert pt 	Origin/Insert pt 	Origin/Insert pt 
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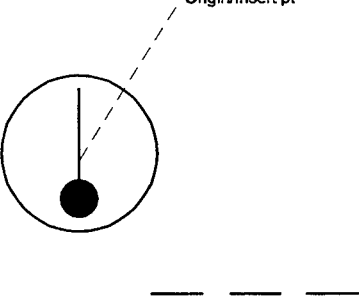
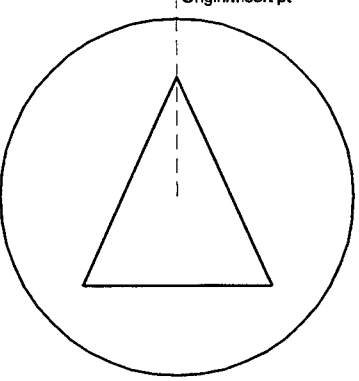
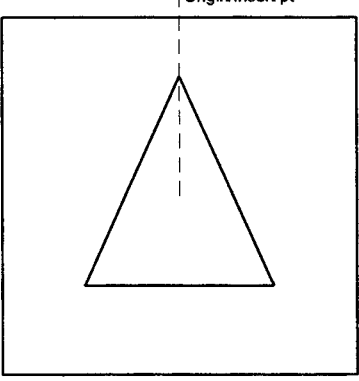
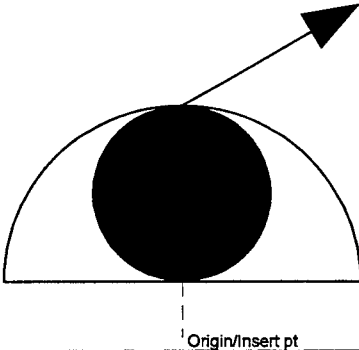
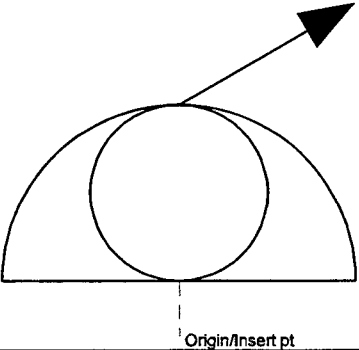
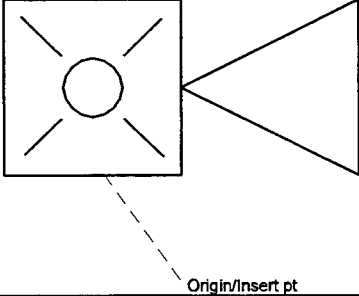
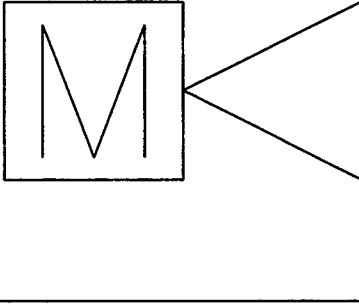
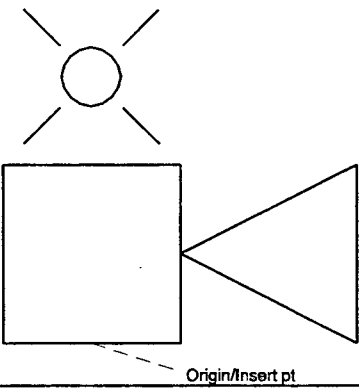
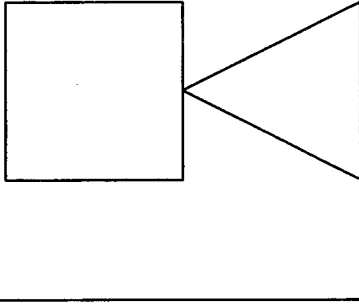
		
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Fire Protection:DCEABC DRY CHEM EXTNGSHR ABC TYPE Element type: Symbol	Fire Protection:DCEBC DRY CHEM EXTNGUISHR BC TYPE Element type: Symbol	Fire Protection:DCECO2 C02 EXTINGUISHER Element type: Symbol
		
Fire Protection:DCEHLN HALON OR CLEANAGENTEXTNGSHR Element type: Symbol	Fire Protection:DCLGAA DRY CHEM AUTO ACT EXTNGSHR Element type: Symbol	Fire Protection:DCLGMA DRY CHEM MAN ACTUATED Element type: Symbol

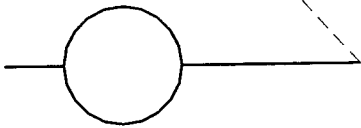
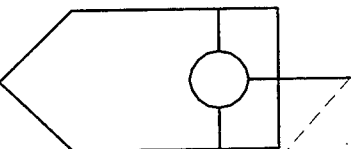
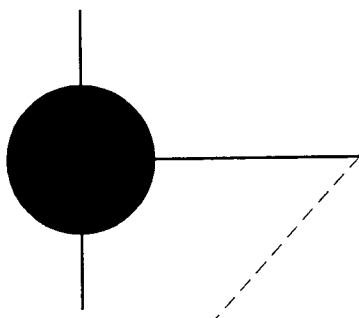
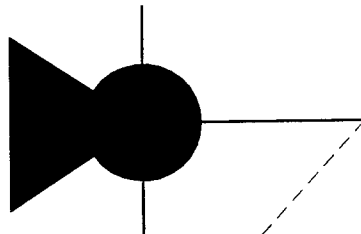
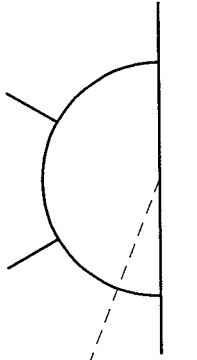
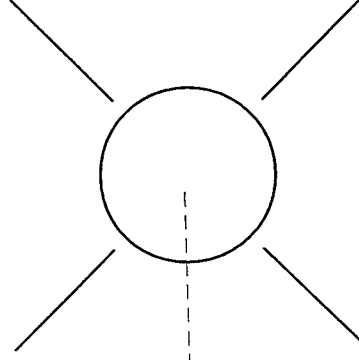
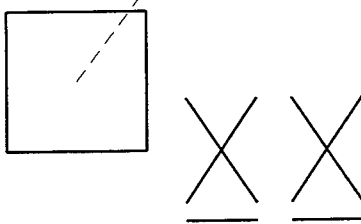
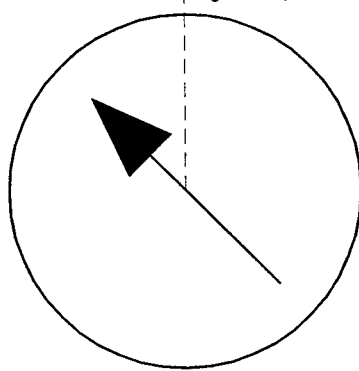
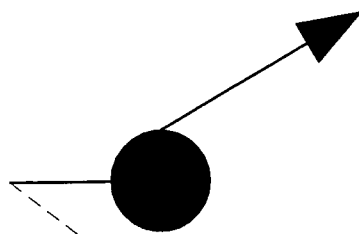
		
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Fire Protection:DMPSMK SMOKE DAMPER Element type: Symbol	Fire Protection:DRHOLD DOOR HOLDER Element type: Symbol	Fire Protection:DTFLAM FLAME DETECTOR Element type: Symbol
		
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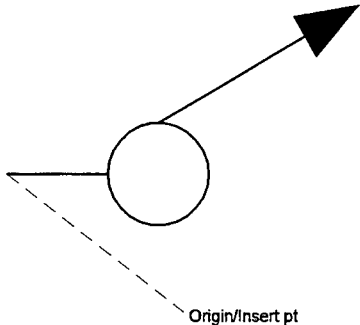
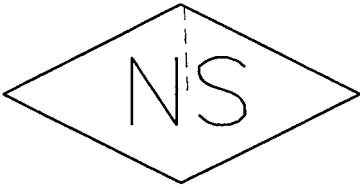
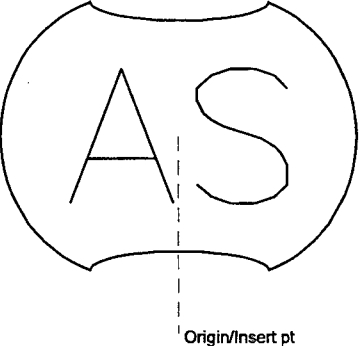
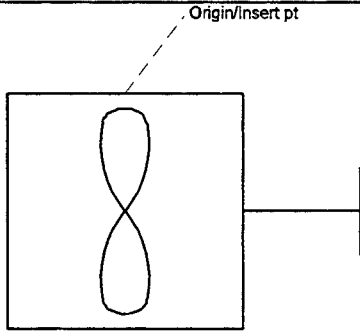
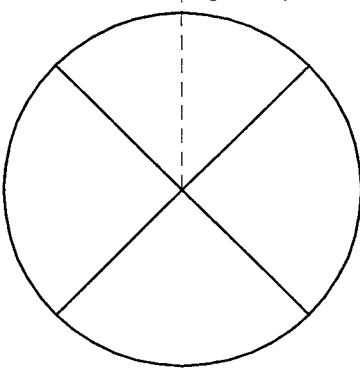
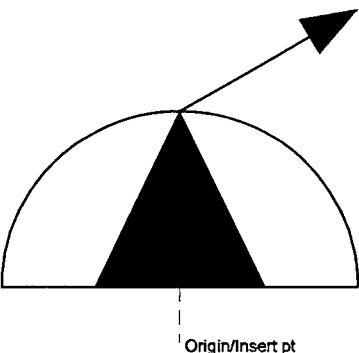
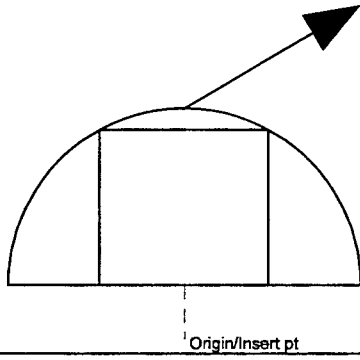
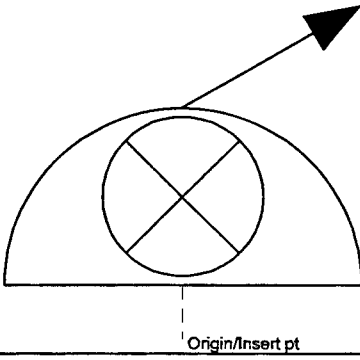
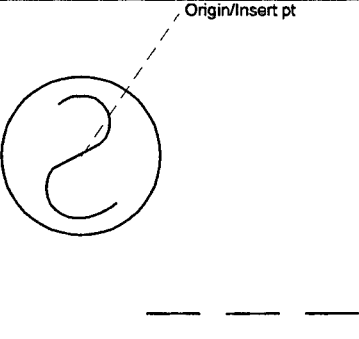
		
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Fire Protection:ELBP2L 2LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol	Fire Protection:ELBP3L 3LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol	Fire Protection:EPSTA EMERGENCY PHONE STATION Element type: Symbol
		
Fire Protection:ESCAPE FIRE ESCAPE Element type: Symbol	Fire Protection:EXFOAM FOAM EXTINGUISHER Element type: Symbol	Fire Protection:EXITCM CEILING MNTD EXITSIGN LIGHT Element type: Symbol

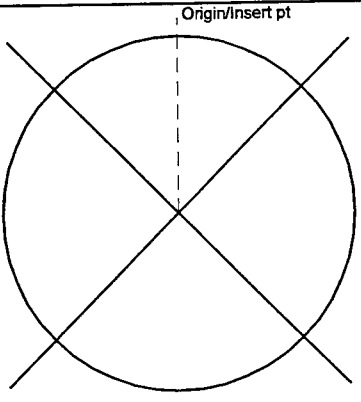
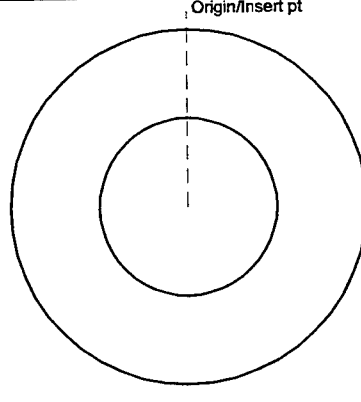
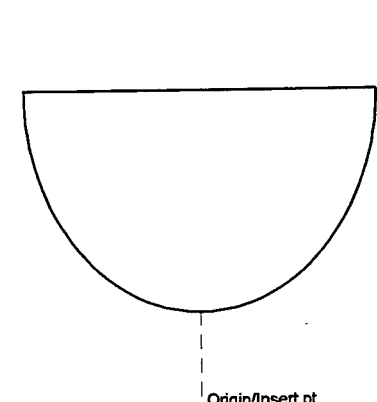
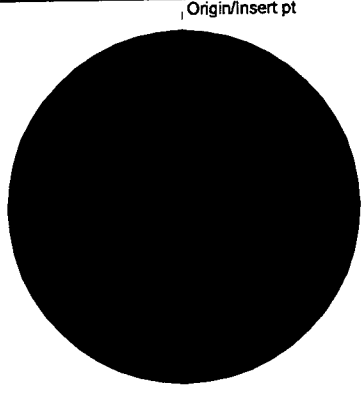
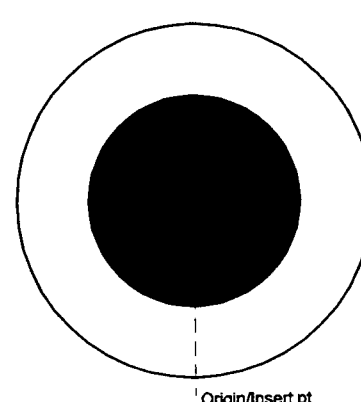
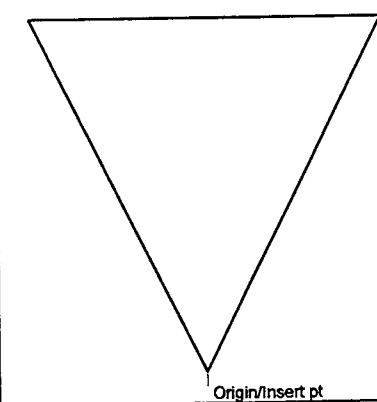
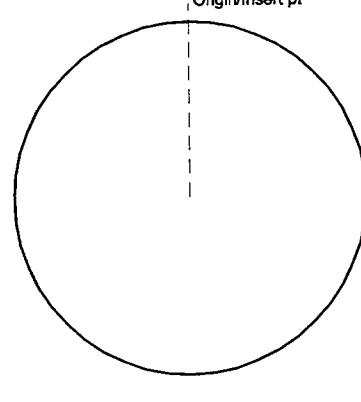
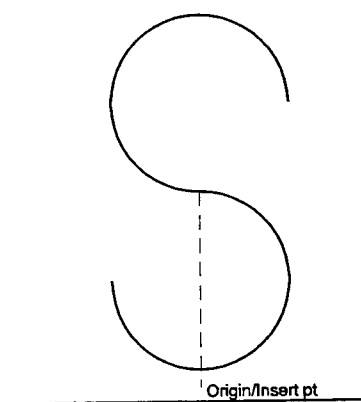
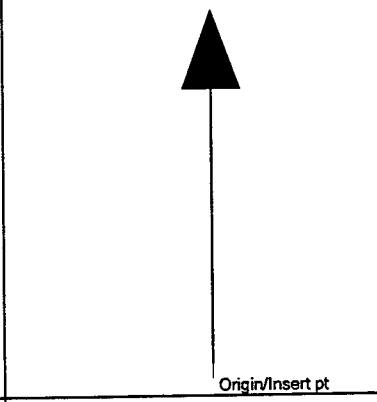
		
Fire Protection:EXITLF EXIT SIGN LIGHTED FACE Element type: Symbol	Fire Protection:EXITWM WALL MOUNTD EXIT SIGN LIGHT Element type: Symbol	Fire Protection:EXWATR WATER EXTINGUISHER Element type: Symbol
		
Fire Protection:FANDCT DUCT FAN Element type: Symbol	Fire Protection:FANGEN GENERAL FAN Element type: Symbol	Fire Protection:FANWAL WALL FAN Element type: Symbol
		
Fire Protection:FDOR3 3HR RATED FIRE DOOR IN WALL Element type: Symbol	Fire Protection:FDORL3 WALL W 3 HOUR RATED DOOR Element type: Symbol	Fire Protection:FPDRIV FIRE PUMP WITH DRIVES Element type: Symbol

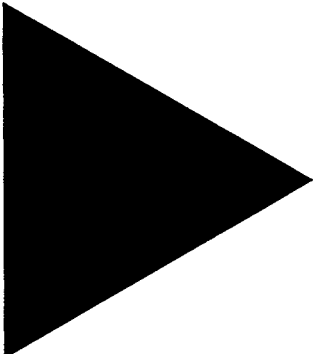
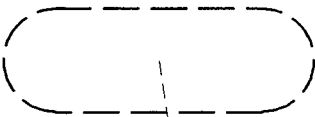
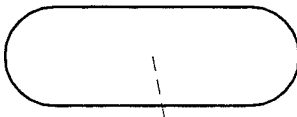
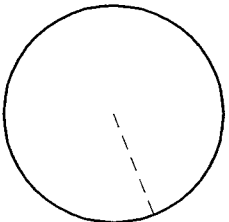
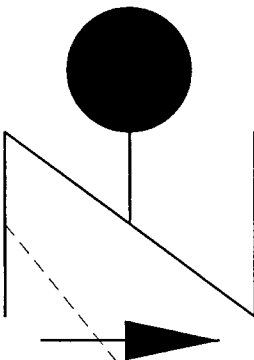
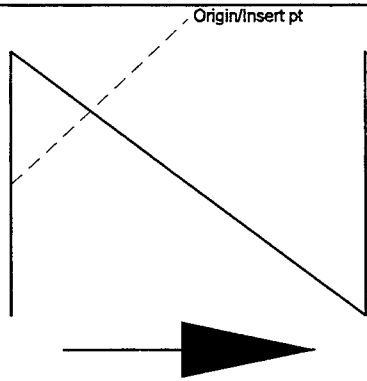
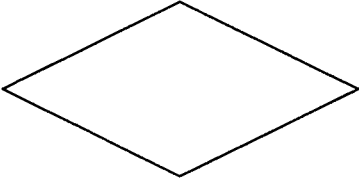
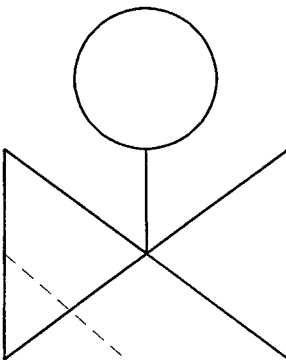
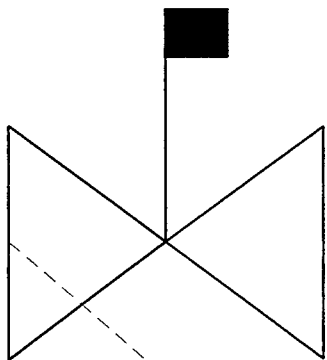
		
Fire Protection:FPFREE FREE STANDING TEST HEADER Element type: Symbol	Fire Protection:FPTEST WALL MOUNTED TEST HEADER Element type: Symbol	Fire Protection:FRR1HR 1 HR FIRE RATING Element type: Symbol
		
Fire Protection:FRR2HR 2 HR FIRE RATING Element type: Symbol	Fire Protection:FRR30M 30 MIN FIRE RATING Element type: Symbol	Fire Protection:FRR3HR 3 HR FIRE RATING Element type: Symbol
		
Fire Protection:FRR45M 45 MIN FIRE RATING Element type: Symbol	Fire Protection:FRR4HR 4 HR FIRE RATING Element type: Symbol	Fire Protection:FULLSS FULLY SPRINKLERED SPACE Element type: Symbol

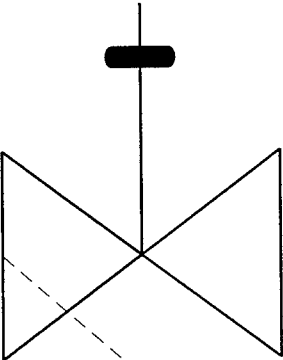
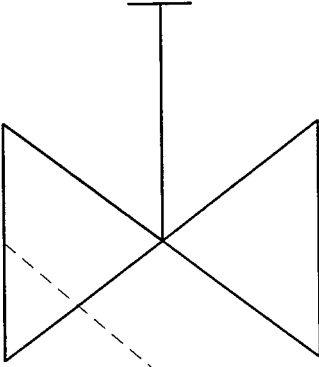
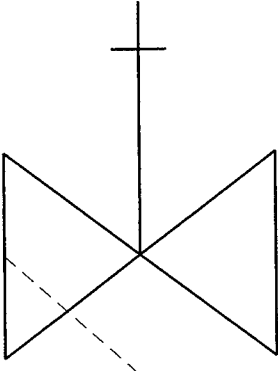
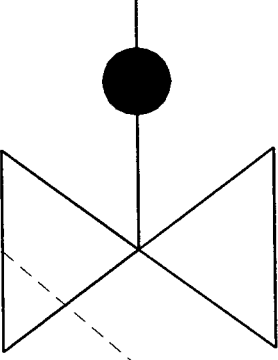
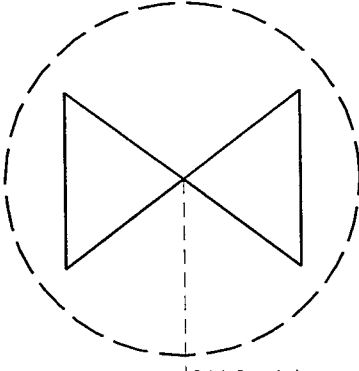
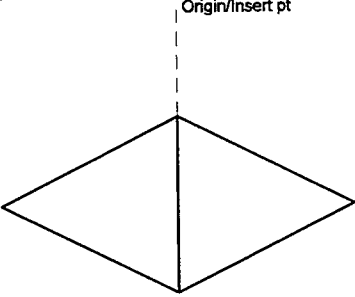
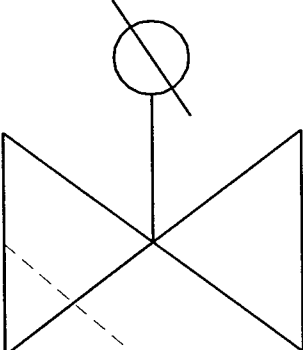
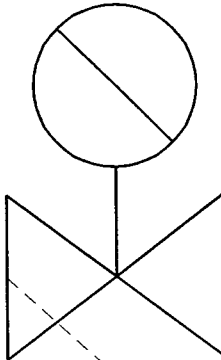
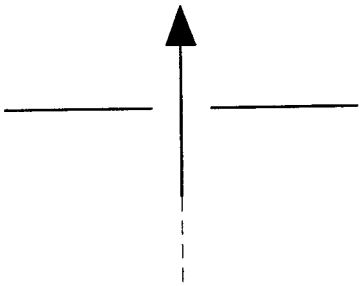
		
Fire Protection:HD HEAT DETECTOR Element type: Symbol	Fire Protection:HLNAA AUTO ACT HALON EXTINGUISHER Element type: Symbol	Fire Protection:HLNMA MAN ACT HALON EXTNGSHR Element type: Symbol
		
Fire Protection:HOSECS HOSE STATION CHRGD STNDPIPE Element type: Symbol	Fire Protection:HOSEDS HOSE STATION DRY STANDPIPE Element type: Symbol	Fire Protection:HRN1A HORN LIGHT 1 ASSY Element type: Symbol
		
Fire Protection:HRNMIN MINI HORN Element type: Symbol	Fire Protection:HRNSA SEPARATE ASSEMBLY HORN LGHT Element type: Symbol	Fire Protection:HRNSPK HORN SPEAKER Element type: Symbol

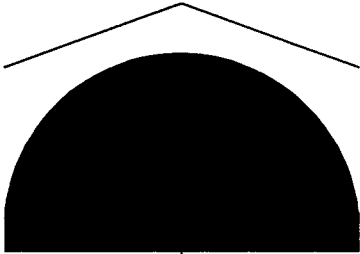
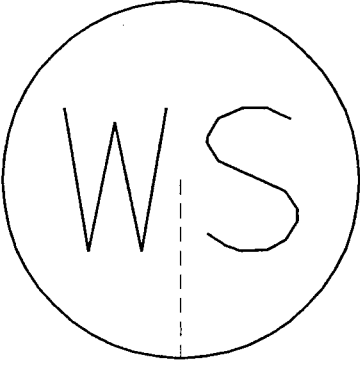
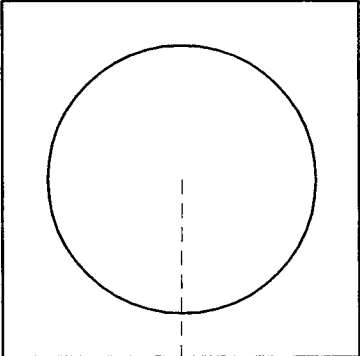
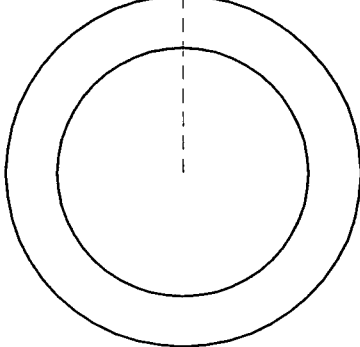
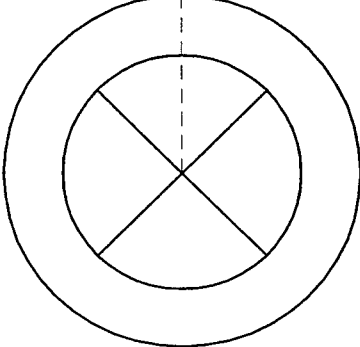
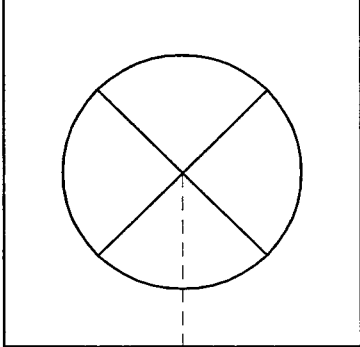
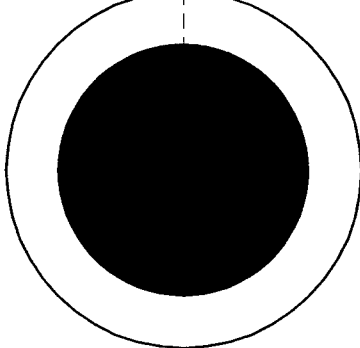
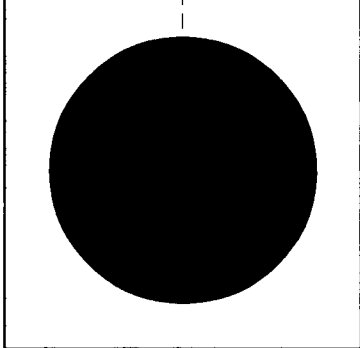
		
Fire Protection:HYDPR1 PRIV HYDRANT 1 HOSE OUTLET Element type: Symbol	Fire Protection:HYDPR2 PRIVATE HOUSED HYDRANT Element type: Symbol	Fire Protection:HYDPU2 PUBLIC TWO HOSE OUTLET HYD Element type: Symbol
		
Fire Protection:HYDPUP PUBHYDRNT2HOSOUTLTPMPCONN Element type: Symbol	Fire Protection:HYDW2H WALL HYDRANT 2 HOSE OUTLET Element type: Symbol	Fire Protection:LITFAS FA STROBE LIGHT Element type: Symbol
		
Fire Protection:MANSTA MANUAL STATION Element type: Symbol	Fire Protection:METRFP FP METER Element type: Symbol	Fire Protection:MNCHRG MONITOR NOZZLE CHARGED Element type: Symbol

		
Fire Protection:MNDRY MONITOR NOZZLE DRY Element type: Symbol	Fire Protection:NONSS NONSPRINKLERED SPACE Element type: Symbol	Fire Protection:PARTSS PARTIALLY SPRINKLERED SPACE Element type: Symbol
		
Fire Protection:PURGE MANUAL PURGE CONTROL Element type: Symbol	Fire Protection:RISER RISER Element type: Symbol	Fire Protection:RSC02 C02 REEL STATION Element type: Symbol
		
Fire Protection:RSDRYC DRY CHEMICAL REEL STATION Element type: Symbol	Fire Protection:RSFOAM FOAM REEL STATION Element type: Symbol	Fire Protection:SD SMOKE DETECTOR Element type: Symbol

		
Fire Protection:SHGARD SPRINKLER HEAD W GUARD Element type: Symbol	Fire Protection:SHNUU NIPPLED UP UPRIGHT SPRNKLR Element type: Symbol	Fire Protection:SHOUT OUTSIDE SPRINKLER HEAD Element type: Symbol
		
Fire Protection:SHPEND PENDENT SPRINKLER HEAD Element type: Symbol	Fire Protection:SHPNDN PENDENTSPRINKLR DROP NIPPL Element type: Symbol	Fire Protection:SHSIDE SIDEWALL SPRINKLER HEAD Element type: Symbol
		
Fire Protection:SHUPRT UPRIGHT SPRINKLER HEAD Element type: Symbol	Fire Protection:SMKBR SMOKE BARRIER Element type: Symbol	Fire Protection:SSNOZZ SPECIAL SPRAY NOZZLE Element type: Symbol

		
Fire Protection:THRUST THRUST BLOCK Element type: Symbol	Fire Protection:TNKBG TANK BELOW GROUND Element type: Symbol	Fire Protection:TNKHAG TANK HORIZ ABOVE GROUND Element type: Symbol
		
Fire Protection:TNKVAG TANK VERTICAL ABOVE GROUND Element type: Symbol	Fire Protection:VLVCHA ALARM CHECK VALVE Element type: Symbol	Fire Protection:VLVCHK CHECK VALVE Element type: Symbol
		
Fire Protection:VLVDEL DELUGE VALVE Element type: Symbol	Fire Protection:VLVDRY DRY PIPE VALVE Element type: Symbol	Fire Protection:VLVIBF INDICATING BUTTERFLY VALVE Element type: Symbol

		
Fire Protection:VLVKEY KEY OPERATED VALVE Element type: Symbol	Fire Protection:VLVNON VALVE NONRISING STEM Element type: Symbol	Fire Protection:VLVOSY OS Y VALVE Element type: Symbol
		
Fire Protection:VLVPI POST INDICATOR VALVE Element type: Symbol	Fire Protection:VLVPIT VALVE IN PIT Element type: Symbol	Fire Protection:VLVPRE PREACTION VALVE Element type: Symbol
		
Fire Protection:VLVQOD VALVE W QUICK OPENING DEVICE Element type: Symbol	Fire Protection:VLVTD VALVE TAMPERDETECTION SWTC Element type: Symbol	Fire Protection:VNTOPN VENTILATION OPENINGS Element type: Symbol

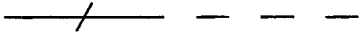
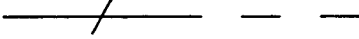
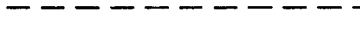
		
Fire Protection:WALARM WATER MOTOR ALARM Element type: Symbol	Fire Protection:WATRSS WATER SPRAY SYSTEM Element type: Symbol	Fire Protection:WBD SMA WATER BASED DRY SYS MAN ACT Element type: Symbol
		
Fire Protection:WBD SSA WATERBASED DRY SYS AUTO ACT Element type: Symbol	Fire Protection:WBF SAA WATR BASED FOAM SYS AUTOACT Element type: Symbol	Fire Protection:WBF SMA WATR BASED FOAM SYS MANACT Element type: Symbol
		
Fire Protection:WBWSAA WATERBASED WET SYS AUTO ACT Element type: Symbol	Fire Protection:WBWSMA WATER BASED WET SYS MAN ACT Element type: Symbol	

11 Plumbing Lines Library

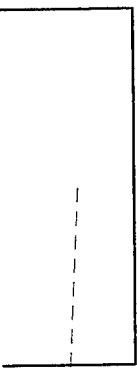
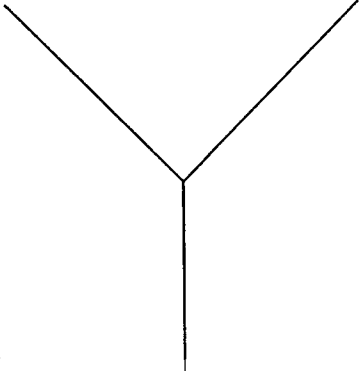
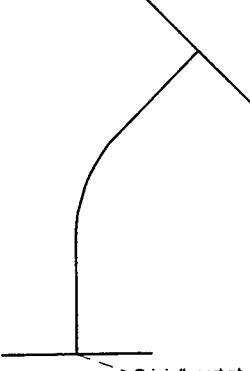
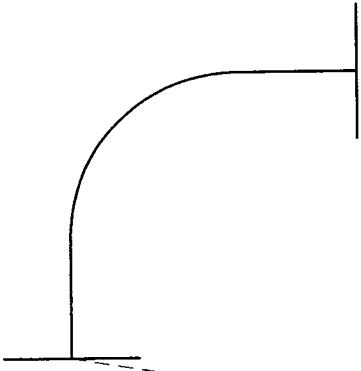
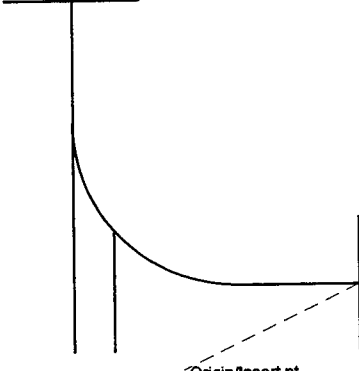
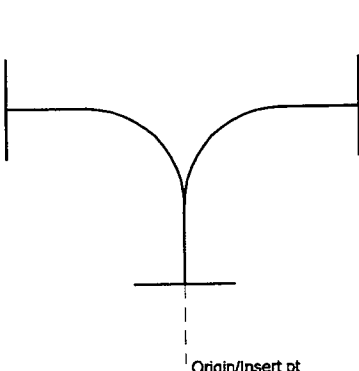
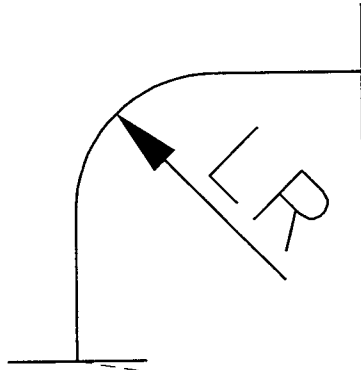
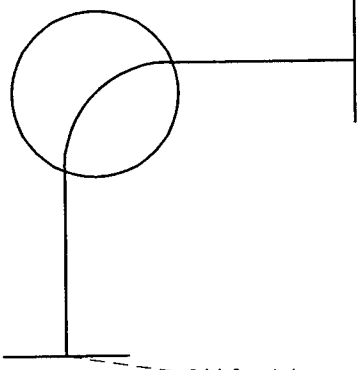
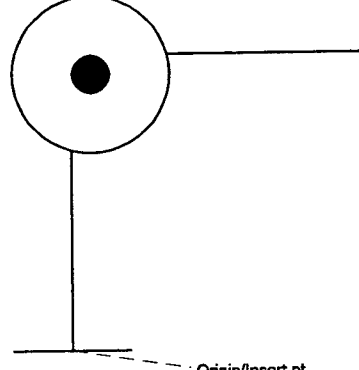
———— C D ————	-----	———— A ————
Plumbing:CDRNAF CONDENSATE DRAIN Element type: Line	Plumbing:CLDWTR POTABLE COLD WATER Element type: Line	Plumbing:CMPAIR COMPRESSED AIR Element type: Line
———— D E ————	———— D I ————	———— F ————
Plumbing:DIEWTR DEIONIZED WATER Element type: Line	Plumbing:DSTWTR DISTILLED WATER Element type: Line	Plumbing:FIRE FIRE PROTECTION WATR SUPPLY Element type: Line
———— F O R ————	———— F O S ————	———— F O V ————
Plumbing:FUELOR FUEL OIL RETURN Element type: Line	Plumbing:FUELOS FUEL OIL SUPPLY Element type: Line	Plumbing:FUELOV FUEL OIL TANK VENT Element type: Line

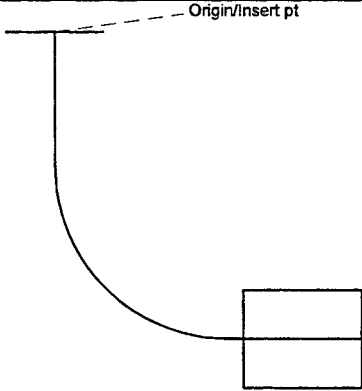
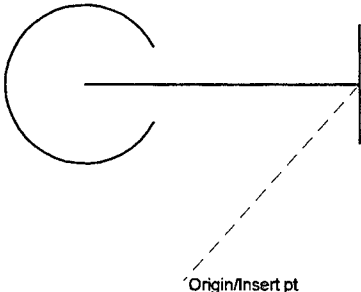
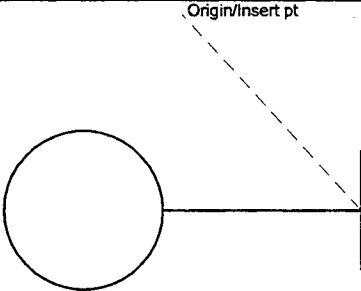
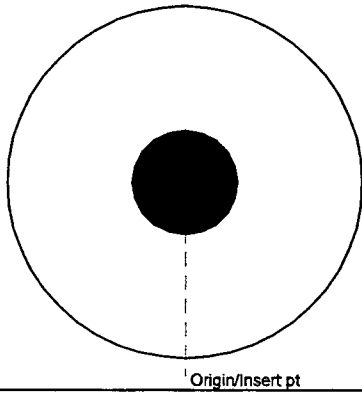
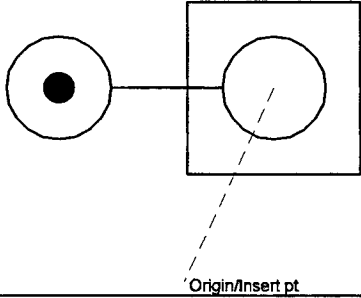
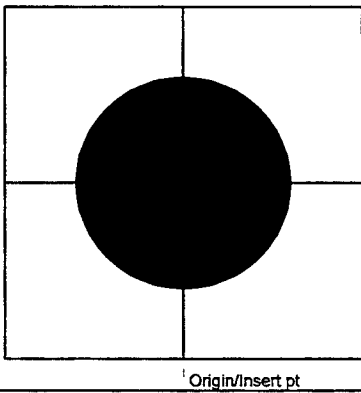
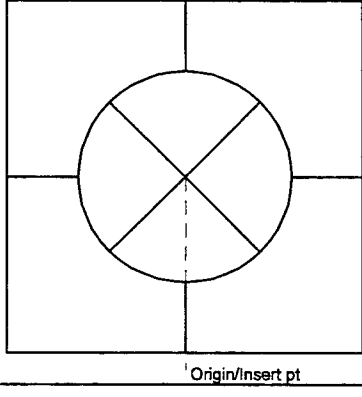
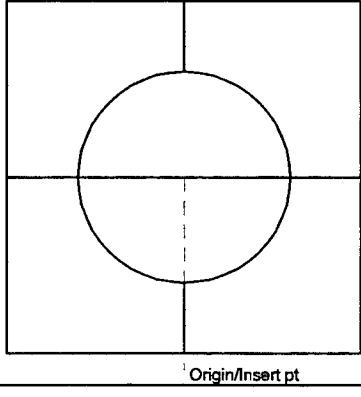
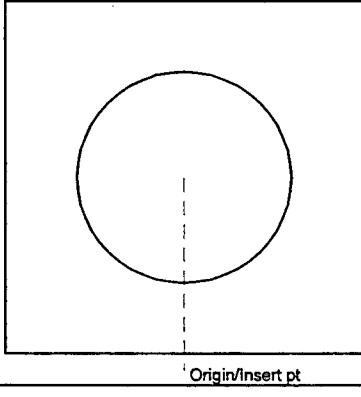
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Plumbing:HELIUM HELIUM Element type: Line	Plumbing:HWTR POTABLE HOT WATER Element type: Line	Plumbing:HWTRR POTABLE HOT WATER RETURN Element type: Line
———— H ————	———— I C W ————	———— I H R ————
Plumbing:HYDRGN HYDROGEN Element type: Line	Plumbing:ICWTR INDUSTRIAL COLD WATER Element type: Line	Plumbing:IHWTRR INDUSTRIAL HOT WATER RETURN Element type: Line
———— I H W ————	———— I D ————	———— L N ————
Plumbing:IHWTRS INDUSTRIAL HOT WATER SUPPLY Element type: Line	Plumbing:INDDRN INDIRECT DRAIN Element type: Line	Plumbing:LIQNIT LIQUID NITROGEN Element type: Line

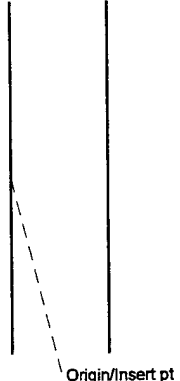
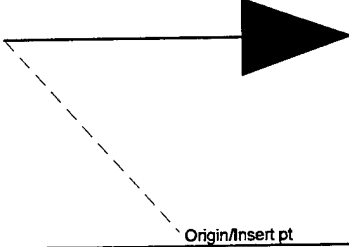
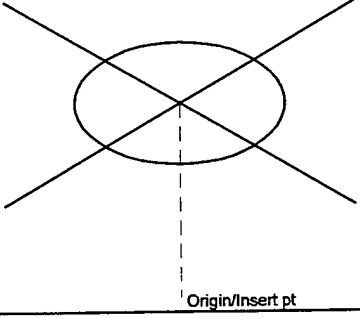
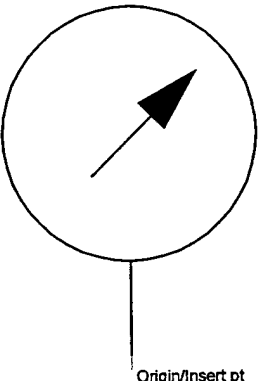
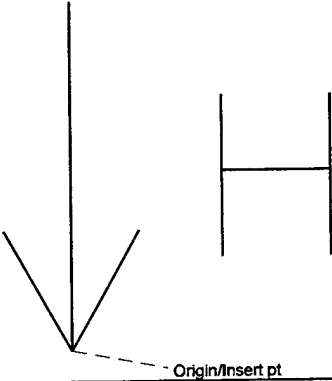
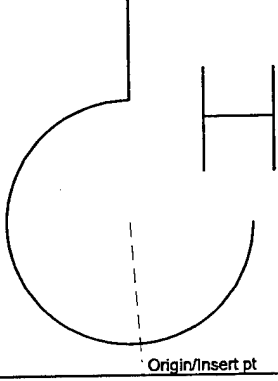
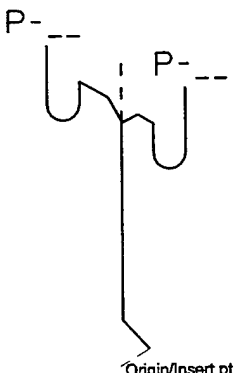
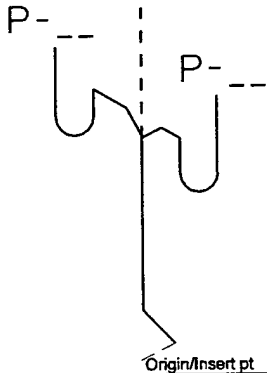
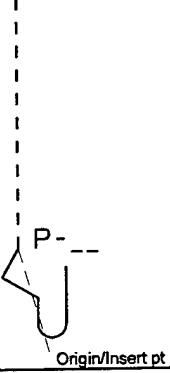
—— L O X ——	—— L P G ——	—— N O ——
Plumbing: LIQOXY LIQUID OXYGEN Element type: Line	Plumbing: LIQPET LIQUID PETROLEUM GAS Element type: Line	Plumbing: NITOXI NITROUS OXIDE Element type: Line
—— N ——	—— N P W ——	—— G ——
Plumbing: NITROG NITROGEN Element type: Line	Plumbing: NONPOT NONPOTABLE WATER Element type: Line	Plumbing: NTGASN NATURAL GAS Element type: Line
—— O X ——	—— P N ——	—— R D ——
Plumbing: OXYGEN OXYGEN Element type: Line	Plumbing: PNTUBE PNEUMATIC TUBE RUNS Element type: Line	Plumbing: ROOFDN ROOF DRAIN Element type: Line

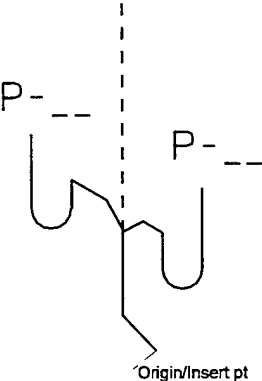
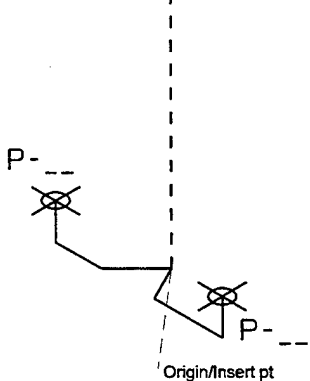
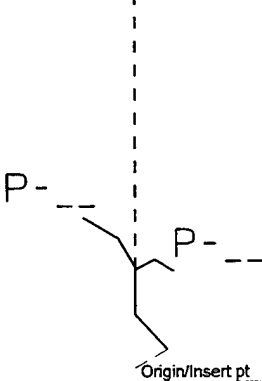
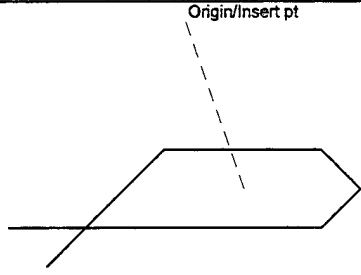
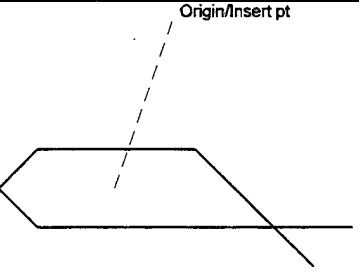
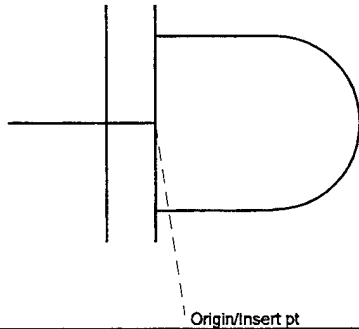
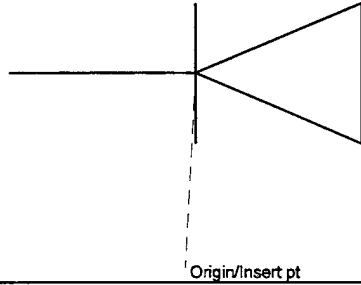
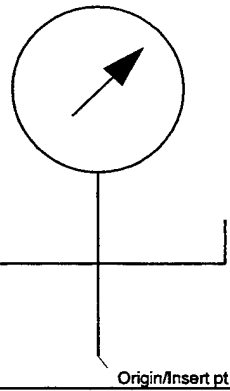
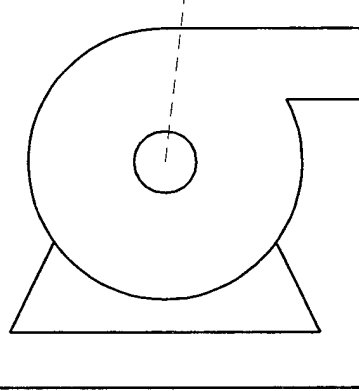
		
Plumbing:SFCWTR SOFT WATER Element type: Line	Plumbing:SHWTRR SANITIZING HOT WATER RETURN Element type: Line	Plumbing:SHWTRS SANITIZING HOT WATER SUPPLY Element type: Line
		
Plumbing:SSWAF SANITARY SEWER Element type: Line	Plumbing:STRAF STORM DRAIN Element type: Line	Plumbing:VACAIR VACUUM AIR Element type: Line
		
Plumbing:VENT VENT Element type: Line	Plumbing:VENTWS VENT AND WASTE COMBINATION Element type: Line	

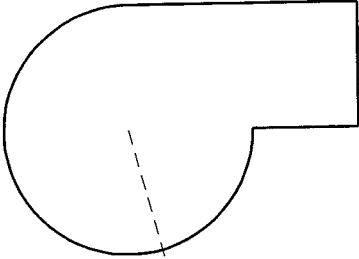
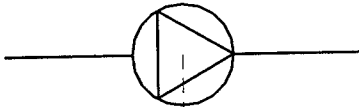
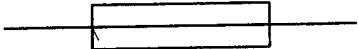
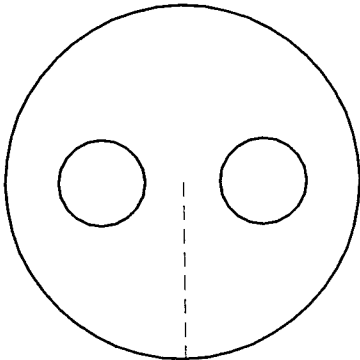
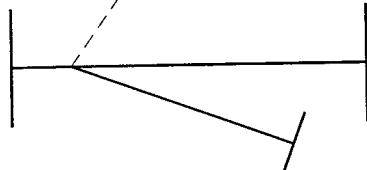
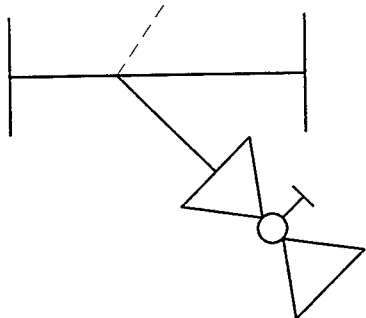
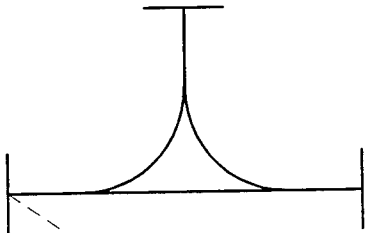
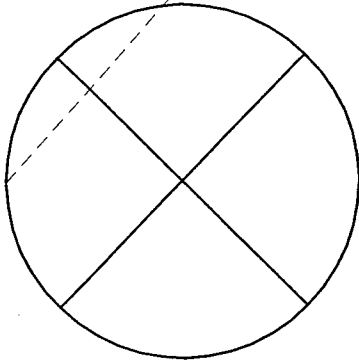
11 Plumbing Symbols Library

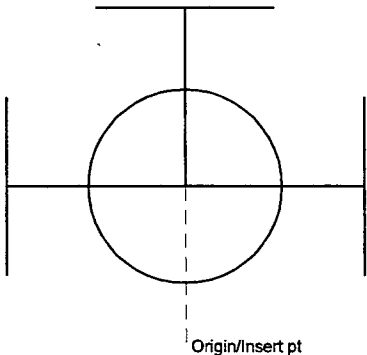
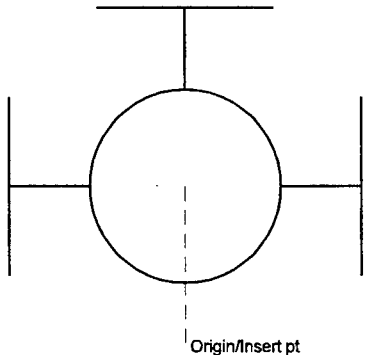
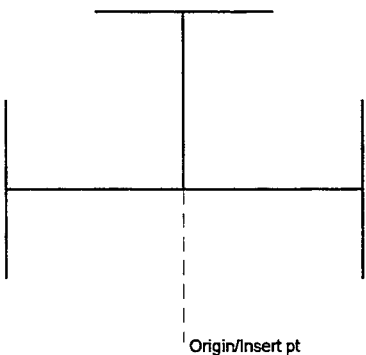
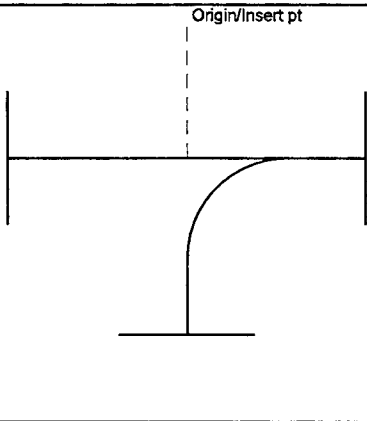
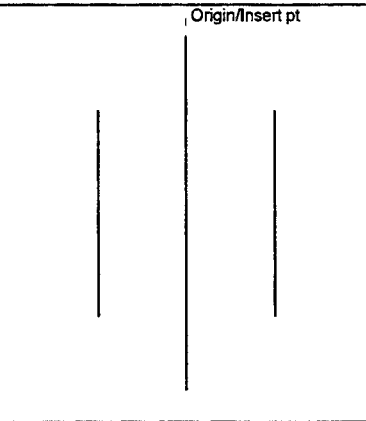
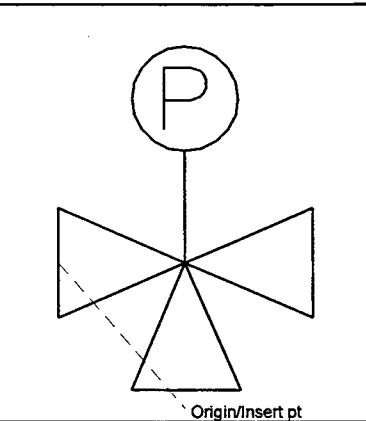
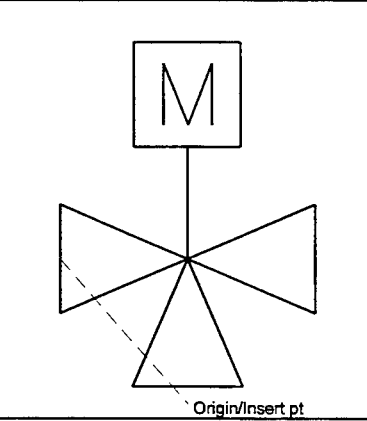
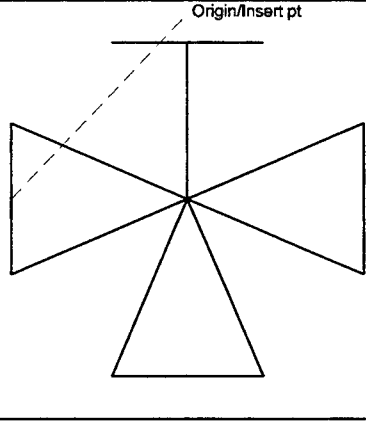
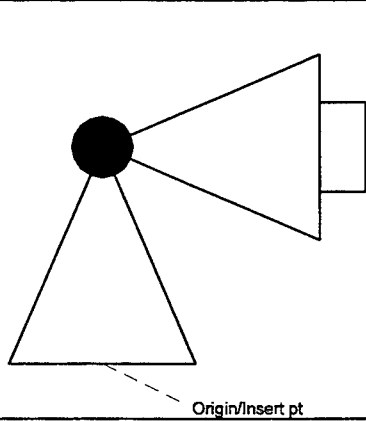
		
Plumbing:CAPSC CAP Element type: Symbol	Plumbing:DRNFUN OPEN DRAIN FUNNEL Element type: Symbol	Plumbing:EL45SC 45 DEGREE ELBOW Element type: Symbol
		
Plumbing:EL90SC 90 DEGREE ELBOW Element type: Symbol	Plumbing:ELBSC BASE ELBOW Element type: Symbol	Plumbing:ELDBSC DOUBLE BRANCH ELBOW Element type: Symbol
		
Plumbing:ELLRSC LONG RADIUS ELBOW Element type: Symbol	Plumbing:ELODSC ELBOW SIDE OUTLET DOWN Element type: Symbol	Plumbing:ELOUSC ELBOW SIDE OUTLET UP Element type: Symbol

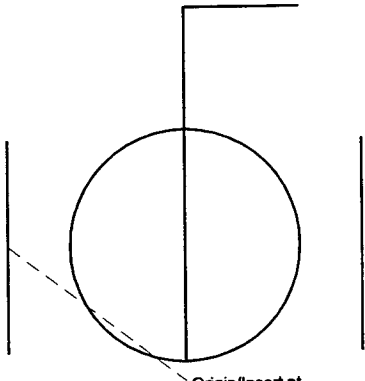
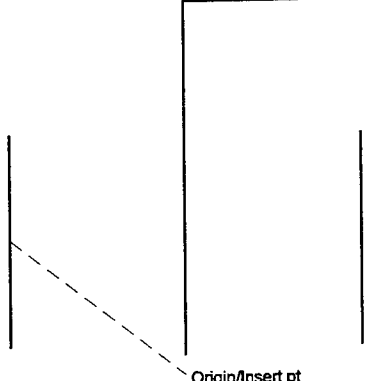
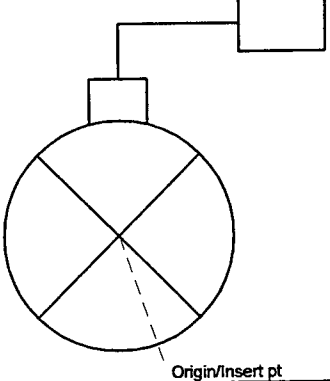
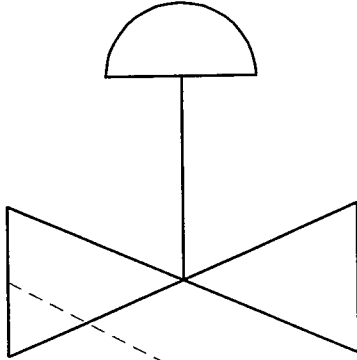
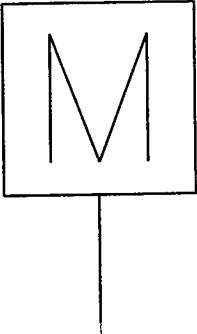
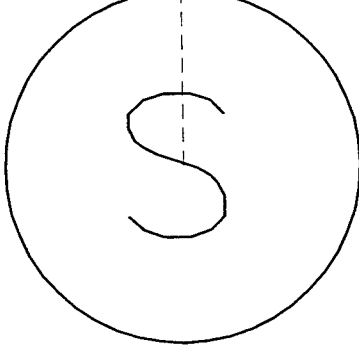
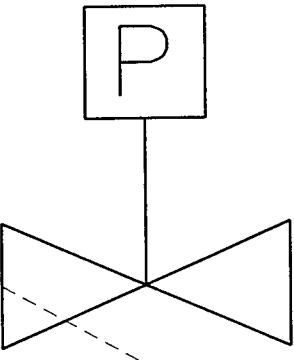
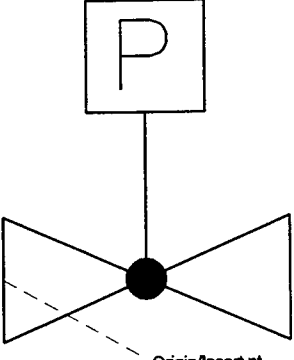
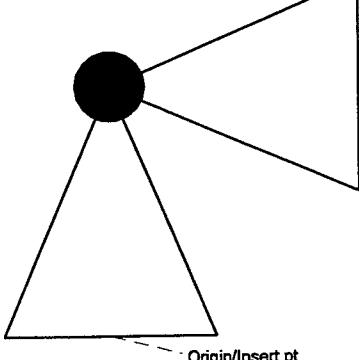
		
Plumbing:ELSTRT STREET ELBOW Element type: Symbol	Plumbing:ELTDSC TURNED DOWN ELBOW Element type: Symbol	Plumbing:ELTUSC TURNED UP ELBOW Element type: Symbol
		
Plumbing:FCO FLOOR CLEANOUT Element type: Symbol	Plumbing:FDCO FLOOR DRAIN WITH CLEANOUT Element type: Symbol	Plumbing:FDDT FLOOR DRAIN WITH DEEP TRAP Element type: Symbol
		
Plumbing:FDNT FLOOR DRAIN WITH NO TRAP Element type: Symbol	Plumbing:FDTP FLOOR DRAIN WITH TRAP PRIME Element type: Symbol	Plumbing:FDWT FLOOR DRAIN WITH TRAP Element type: Symbol

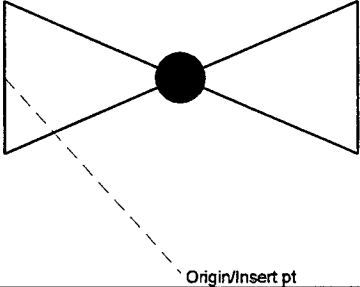
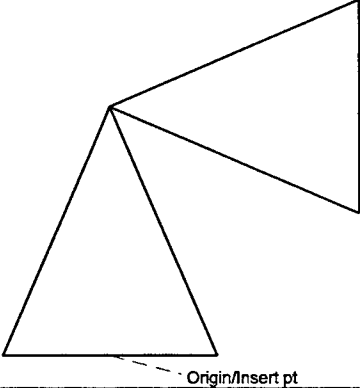
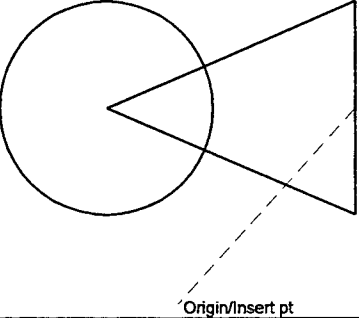
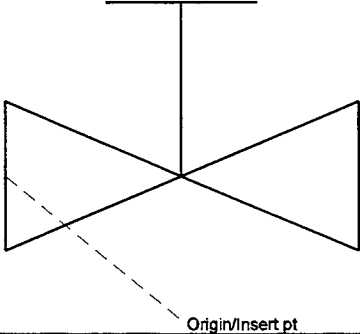
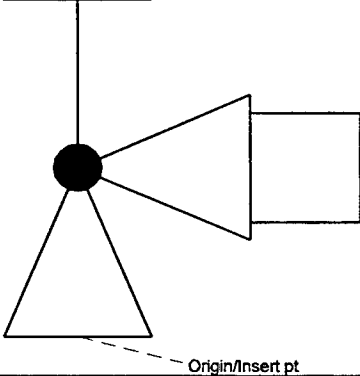
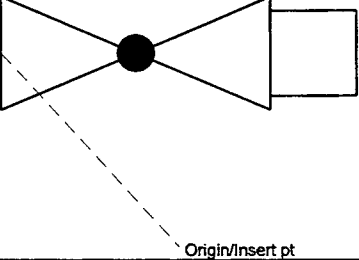
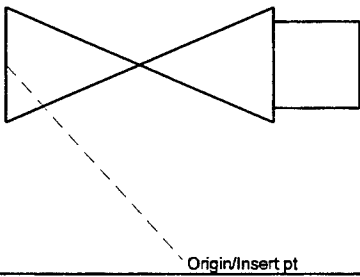
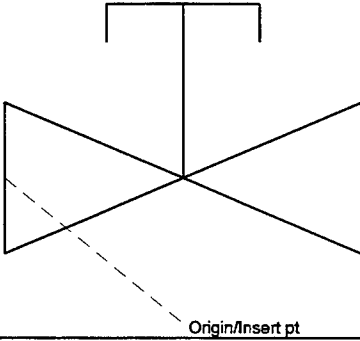
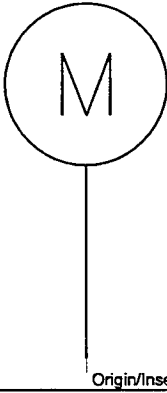
		
Plumbing:FLBLND BLIND FLANGE Element type: Symbol	Plumbing:FLOW3 FLOW ARROW Element type: Symbol	Plumbing:FLRPEN FLOOR PENETRATION ISO Element type: Symbol
		
Plumbing:GAUGE GAUGE Element type: Symbol	Plumbing:HANGRD HANGER ROD Element type: Symbol	Plumbing:HANGSP HANGER SPRING Element type: Symbol
		
Plumbing:ISOEWC ISOMETRIC EWC Element type: Symbol	Plumbing:ISOLAV ISOMETRIC LAVATORIES Element type: Symbol	Plumbing:ISOMOP ISO MOP SINK Element type: Symbol

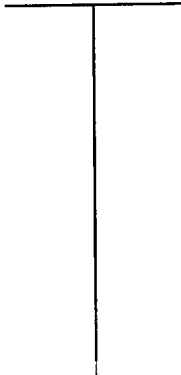
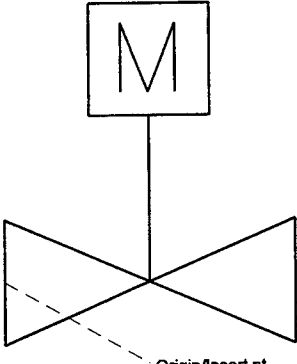
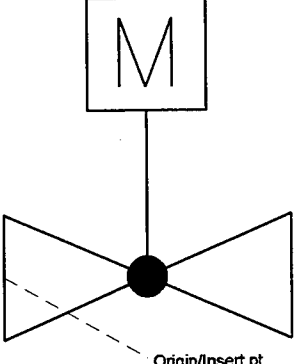
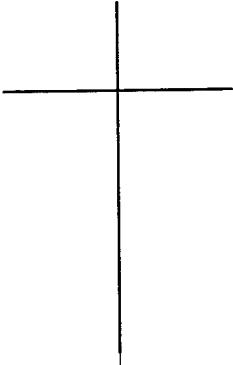
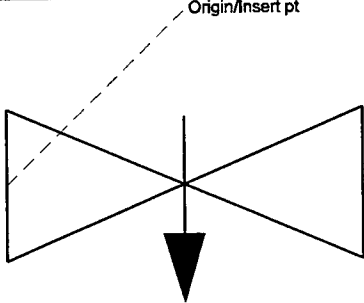
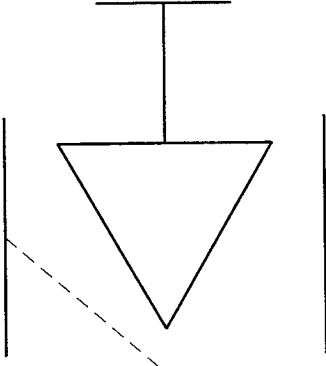
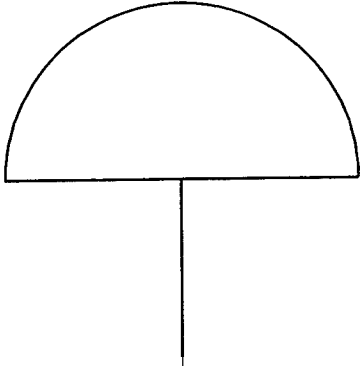
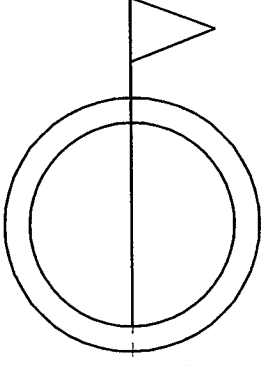
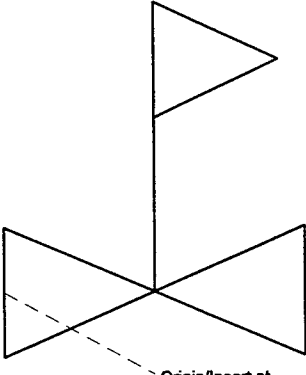
		
Plumbing:ISO UR1 ISO WALL MOUNTED URINAL Element type: Symbol	Plumbing:ISO WC1 ISO FLOOR MOUNTED WC Element type: Symbol	Plumbing:ISO WC2 ISO WALL MOUNTED WC Element type: Symbol
		
Plumbing:LOOPL LEFT DIMENSION LOOP Element type: Symbol	Plumbing:LOOPR RIGHT DIMENSION LOOP Element type: Symbol	Plumbing:PLGBFL BULL PLUG FLANGED Element type: Symbol
		
Plumbing:PLGPSC PIPE PLUG Element type: Symbol	Plumbing:PRGGCO PRESSURE GAGE AND COCK Element type: Symbol	Plumbing:PUMP PUMP Element type: Symbol

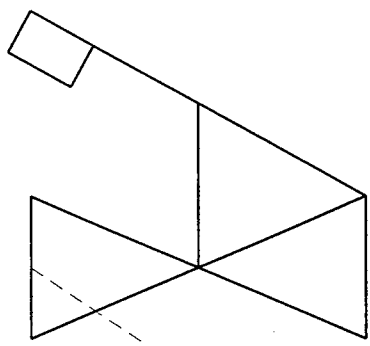
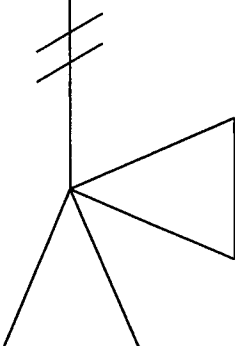
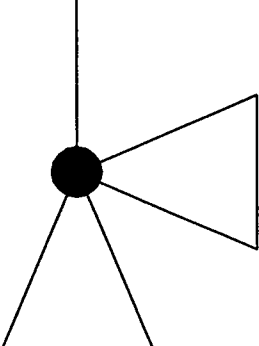
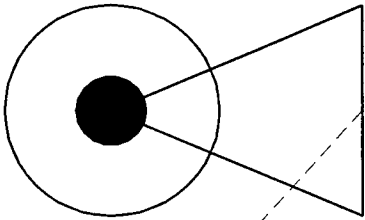
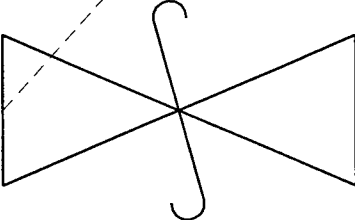
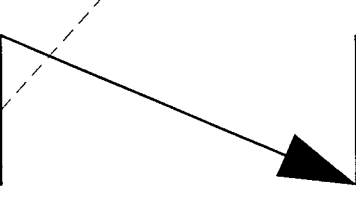
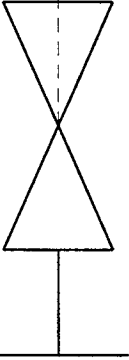
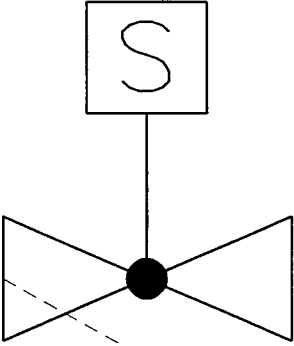
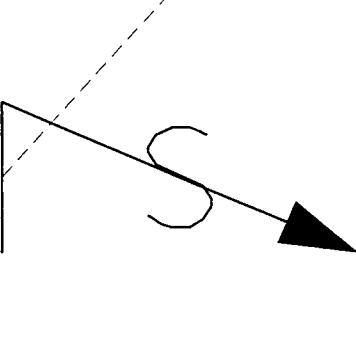
		
Plumbing:PUMPP PUMP SCHEMATIC Element type: Symbol	Plumbing:PUMPS INLINE PUMP Element type: Symbol	Plumbing:SLEEVE SLEEVE Element type: Symbol
		
Plumbing:STGLAS SIGHT GLASS Element type: Symbol	Plumbing:STRAIN STRAINER Element type: Symbol	Plumbing:STRBLO BLOW OFF STRAINER Element type: Symbol
		
Plumbing:TDSSC DOUBLE SWEEP TEE Element type: Symbol	Plumbing:THERM THERMOMETER Element type: Symbol	Plumbing:TRAPST STEAM TRAP Element type: Symbol

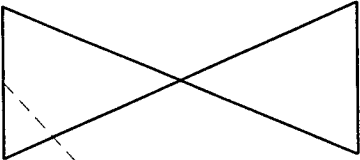
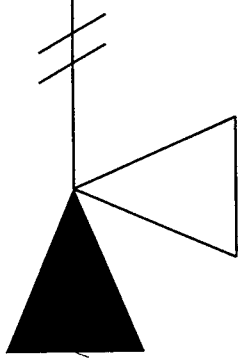
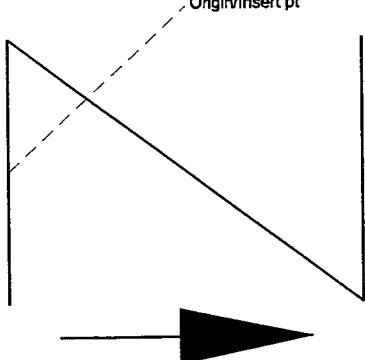
		
Plumbing:TSODSC TEE SIDE OUTLET DOWN Element type: Symbol	Plumbing:TSOUSC TEE SIDE OUTLET UP Element type: Symbol	Plumbing:TSSC TEE Element type: Symbol
		
Plumbing:TSSWSC SINGLE SWEEP TEE Element type: Symbol	Plumbing:UNIOSC UNION Element type: Symbol	Plumbing:VA3WAM 3WAY AIRMOTOR CONTROLER Element type: Symbol
		
Plumbing:VA3WEM 3WAY ELEC MOTOR CONTRLE Element type: Symbol	Plumbing:VA3WM 3 WAY MANUAL VALVE Element type: Symbol	Plumbing:VAAHOS ANGLE HOSE VALVE Element type: Symbol

		
Plumbing:VABALL BALL VALVE PLAN Element type: Symbol	Plumbing:VABFLY BUTTERFLY VALVE Element type: Symbol	Plumbing:VACWR CONDENSATE WATER REGULATING VALVE Element type: Symbol
		
Plumbing:VADISC DIAPHRAGM VALVE Element type: Symbol	Plumbing:VAEMTR PNEUMATIC MOTOR Element type: Symbol	Plumbing:VAESOL SOLENOID VALVE ACTUATOR Element type: Symbol
		
Plumbing:VAGAMC PNEUMATIC CONTROLLED GATE VALVE Element type: Symbol	Plumbing:VAGLAM PNEUMATIC CONTROLLED GLOBE VALVE Element type: Symbol	Plumbing:VAGLE ANGLE GLOBE VALVE Element type: Symbol

		
Plumbing:VAGLSE GLOBE VALVE Element type: Symbol	Plumbing:VAGSE ANGLE GATE VALVE Element type: Symbol	Plumbing:VAGSP ANGLE GATE VALVE PLAN Element type: Symbol
		
Plumbing:VAGTSE GATE VALVE Element type: Symbol	Plumbing:VAHASC GATE VALVE PLAN Element type: Symbol	Plumbing:VAHGLS HOSE GLOBE VALVE Element type: Symbol
		
Plumbing:VAHGSC HOSE GATE VALVE Element type: Symbol	Plumbing:VALSSC LOCK SHIELD VALVE Element type: Symbol	Plumbing:VAMAGS MAGNETIC STOP VALVE Element type: Symbol

		
Plumbing:VAMNNS VLV ACTUA MAN NONRISINGSTEM Element type: Symbol	Plumbing:VAMOGS MOTOR OPERATD GATE VALVE Element type: Symbol	Plumbing:VAMOLS MOTOR OPERATD GLOBE VALVE Element type: Symbol
		
Plumbing:VAMOSY VLV ACTOR MAN OUTSTEM Element type: Symbol	Plumbing:VANEED NEEDLE VALVE Element type: Symbol	Plumbing:VAPLUG PLUG VALVE Element type: Symbol
		
Plumbing:VAPMTD VALVE ACTUATOR PNEUMOT Element type: Symbol	Plumbing:VAPRED PRESSURE REDUCING VALVE Element type: Symbol	Plumbing:VAPRRD PRESSURE REDUCING VALVE Element type: Symbol

		
Plumbing:VAQOSC QUICK OPENING VALVE Element type: Symbol	Plumbing:VARELF RELIEF OR SAFETY VALVE Element type: Symbol	Plumbing:VASCE ANGLE GLOBE VALVE Element type: Symbol
		
Plumbing:VASCP ANGLE GLOBE VALVE PLAN Element type: Symbol	Plumbing:VASFSC SAFETY VALVE Element type: Symbol	Plumbing:VASGCH SWING GATE CHECK VALVE Element type: Symbol
		
Plumbing:VASNAP SNAP ACTION VALVE Element type: Symbol	Plumbing:VASOLN SOLENOID VALVE Element type: Symbol	Plumbing:VASPCH SPRING CHECK VALVE Element type: Symbol

		
Plumbing:VASTSC GATE VALVE Element type: Symbol	Plumbing:VASWSC STRAIGHT WAY CHECK VALVE Element type: Symbol	Plumbing:VATPR TEMP PRESSURE RELIEF VALVE Element type: Symbol
		
Plumbing:VLVCHK CHECK VALVE Element type: Symbol		

12 Mechanical Lines Library

—— A C I D ——	—— A T V ——	—— B B D ——
Mechanical: ACIDWS ACID WASTE Element type: Line	Mechanical: AIRRLF ATMOSPHERIC VENT Element type: Line	Mechanical: BOILBD BOILER BLOW DOWN Element type: Line
—— B R ——	—— B ——	—— C D ——
Mechanical: BRINER BRINE RETURN Element type: Line	Mechanical: BRINES BRINE SUPPLY Element type: Line	Mechanical: CDRNAF CONDENSATE DRAIN Element type: Line
—— A ——	—— P C ——	—— C R ——
Mechanical: CMPAIR COMPRESSED AIR Element type: Line	Mechanical: CONDP PUMPED CONDENSATE Element type: Line	Mechanical: CONDWR CONDENSER WATER RETURN Element type: Line

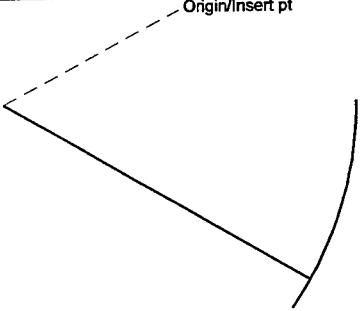
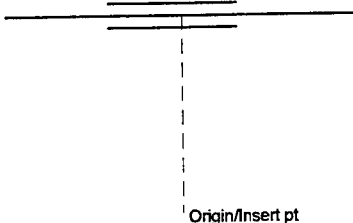
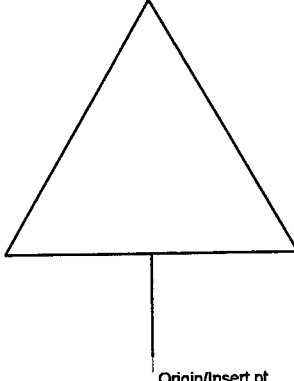
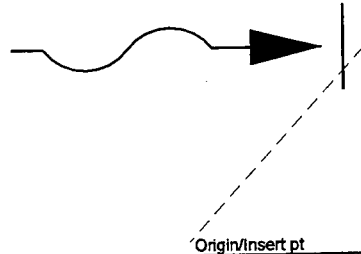
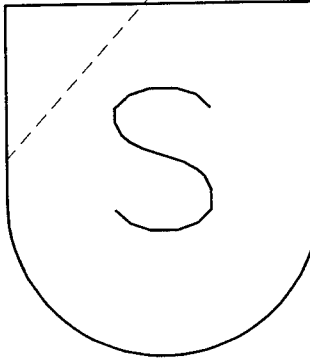
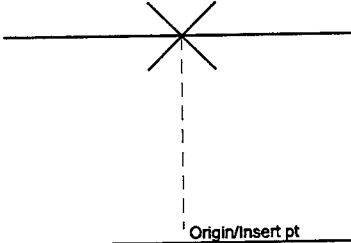
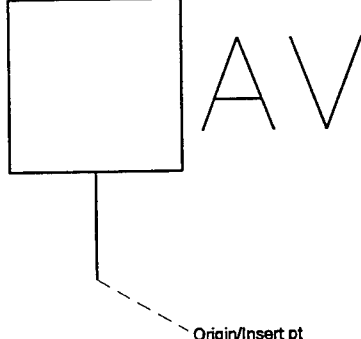
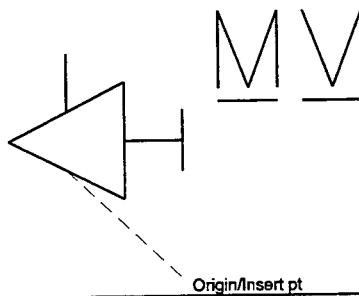
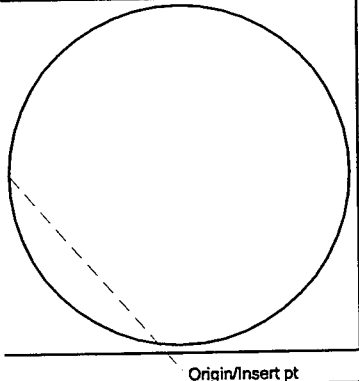
———— C ————	———— C W R ————	———— C W S ————
Mechanical: CONDWS CONDENSER WATER SUPPLY Element type: Line	Mechanical: CWR CHILLED WATER RETURN Element type: Line	Mechanical: CWS CHILLED WATER SUPPLY Element type: Line
———— H C R ————	———— H C S ————	———— F I L L ————
Mechanical: DTR DUAL TEMPERATURE RETURN Element type: Line	Mechanical: DTS DUAL TEMPERATURE SUPPLY Element type: Line	Mechanical: FILL FILL LINE Element type: Line
———— G H R ————	———— G H S ————	———— H P C ————
Mechanical: GHR GLYCOL HEATING RETURN Element type: Line	Mechanical: GHS GLYCOL HEATING SUPPLY Element type: Line	Mechanical: HPCNDR HIGH PRESSURE CONDENSATE Element type: Line

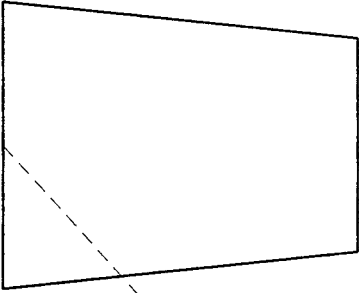
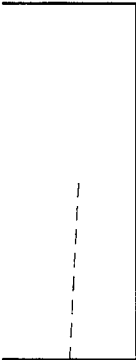
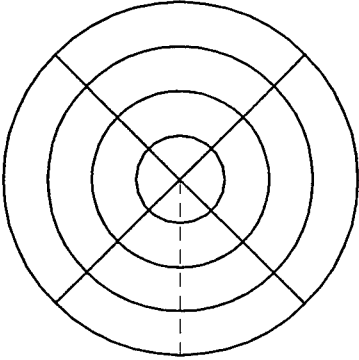
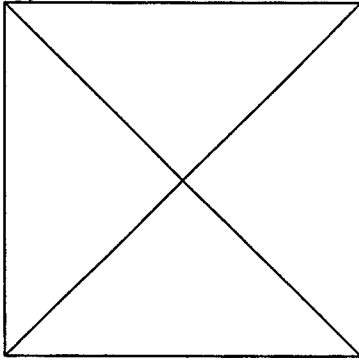
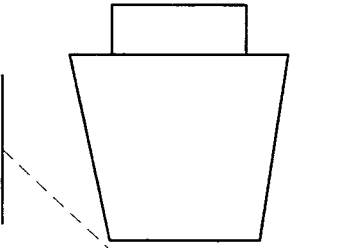
—— H T W R ——	—— H T W S ——	—— H ——
Mechanical: HTHWR HIGH TEMP HOT WATER RETURN Element type: Line	Mechanical: HTHWS HIGH TEMP HOT WATER SUPPLY Element type: Line	Mechanical: HUMID HUMIDIFICATION LINE Element type: Line
—— H W R ——	—— H W S ——	—— I C W ——
Mechanical: HWR LOW TEMP HOT WATER RETURN Element type: Line	Mechanical: HWS LOW TEMP HOT WATER SUPPLY Element type: Line	Mechanical: ICWTR INDUSTRIAL COLD WATER Element type: Line
—— I H R ——	—— I H W ——	—— I W ——
Mechanical: IHWTRR INDUSTRIAL HOT WATER RETURN Element type: Line	Mechanical: IHWTRS INDUSTRIAL HOT WATER SUPPLY Element type: Line	Mechanical: IWASTE INDUSTRIAL WASTE Element type: Line

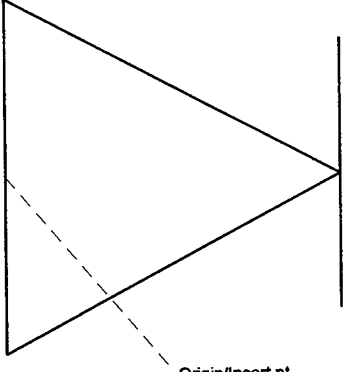
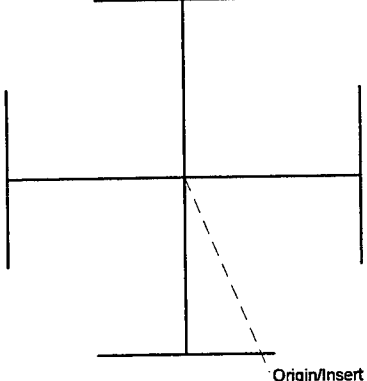
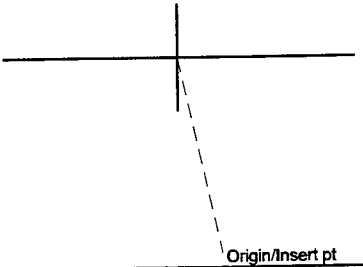
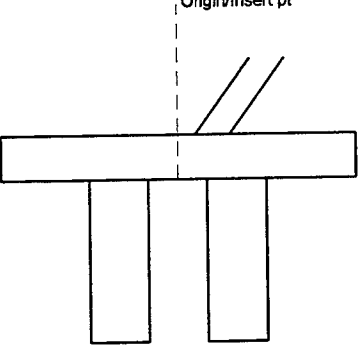
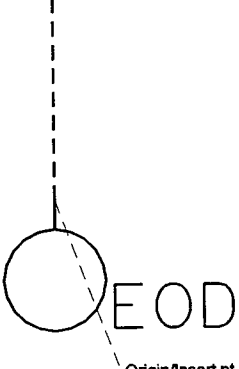
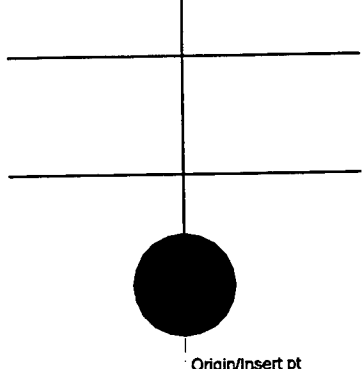
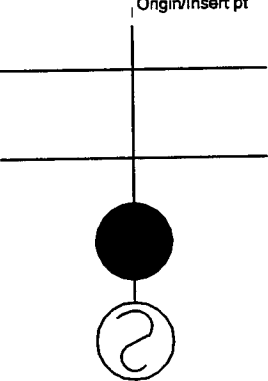
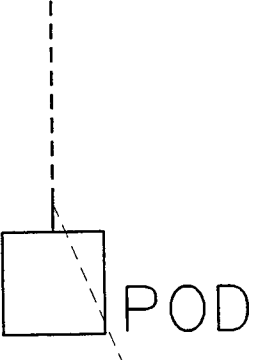
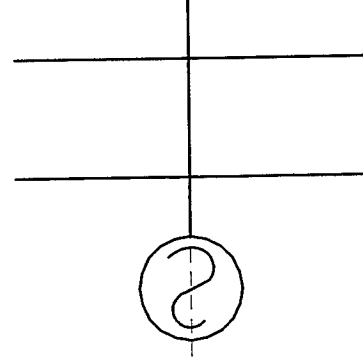
—— L P C ——	—— M U ——	—— M P C ——
Mechanical: LPCNDR LOW PRESSURE CONDENSATE Element type: Line	Mechanical: MAKEUP MAKEUP WATER Element type: Line	Mechanical: MPCNDR MED PRESSURE CONDENSATE Element type: Line
—— M T W R ——	—— M T W S ——	—— N P W ——
Mechanical: MTHWR MED TEMP HOT WATER RETURN Element type: Line	Mechanical: MTHWS MED TEMP HOT WATER SUPPLY Element type: Line	Mechanical: NONPOT NONPOTABLE WATER Element type: Line
—— P N ——	—— R L ——	—— R S ——
Mechanical: PNTUBE PNEUMATIC TUBE RUNS Element type: Line	Mechanical: REFRL REFRIGERANT LIQUID Element type: Line	Mechanical: REFRS REFRIGERANT SUCTION Element type: Line

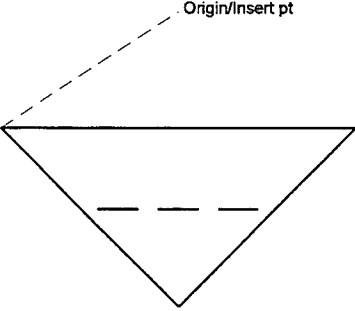
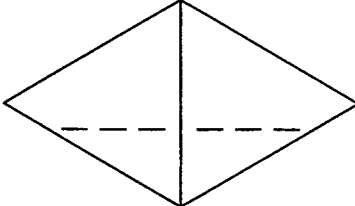
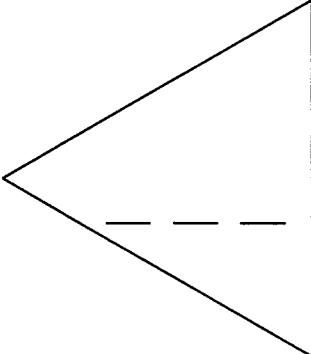
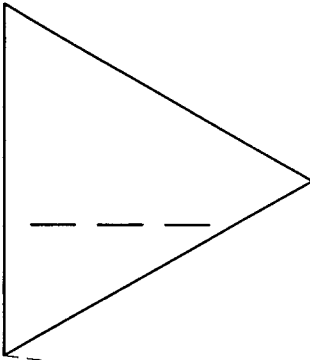
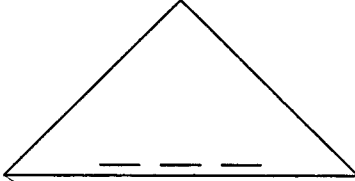
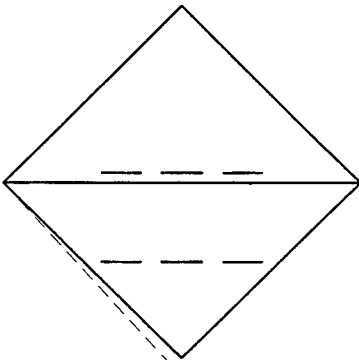
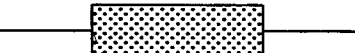
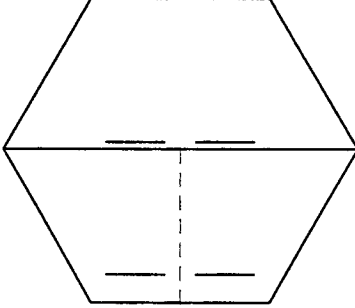
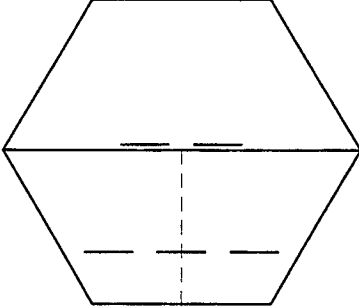
—— H P S ——	—— L P S ——	—— M P S ——
Mechanical: STEAMH HIGH PRESSURE STEAM Element type: Line	Mechanical: STEAML LOW PRESSURE STEAM Element type: Line	Mechanical: STEAMM MED PRESSURE STEAM Element type: Line
(((((((((	—— V A C ——	—— V P D ——
Mechanical: TUVANE TURNING VANES Element type: Line	Mechanical: VACAIR VACUUM AIR Element type: Line	Mechanical: VACPD VACUUM PUMP DISCHARGE Element type: Line

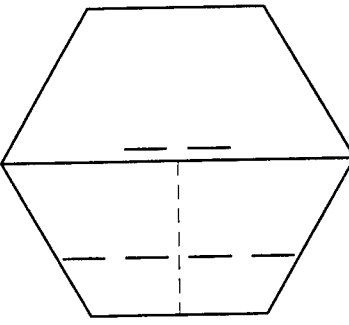
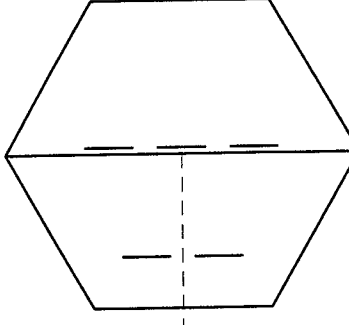
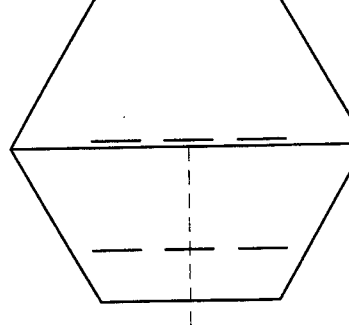
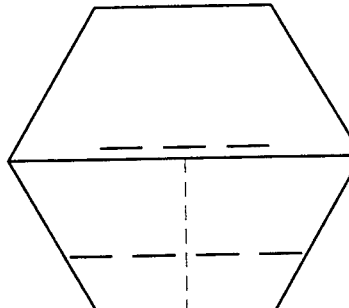
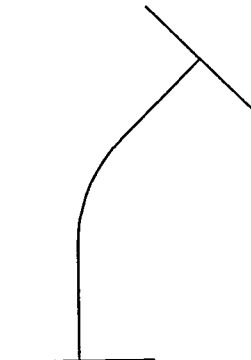
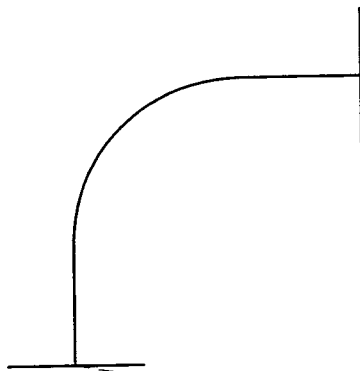
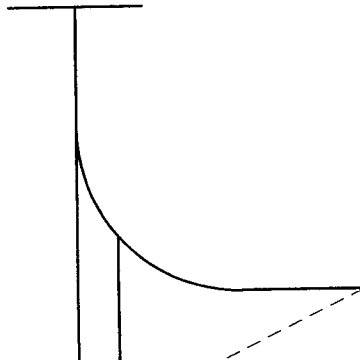
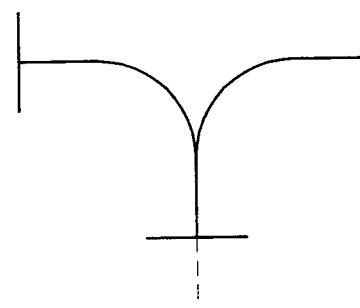
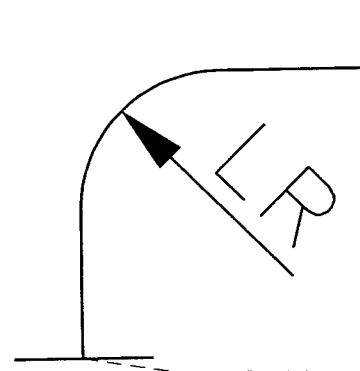
12 Mechanical Symbols Library

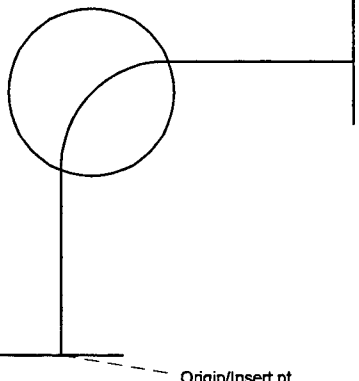
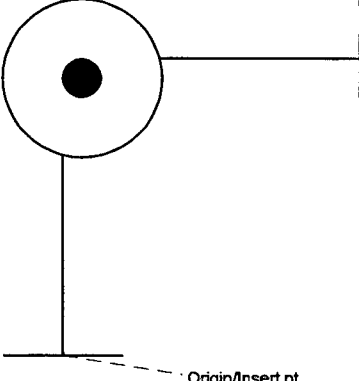
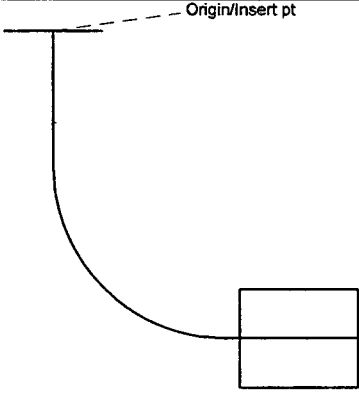
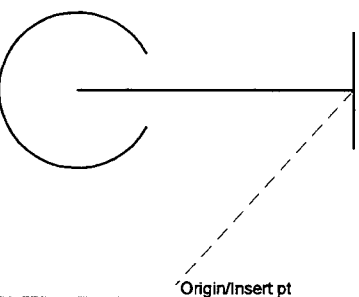
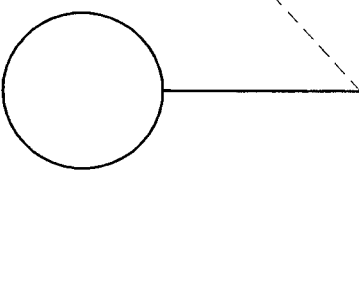
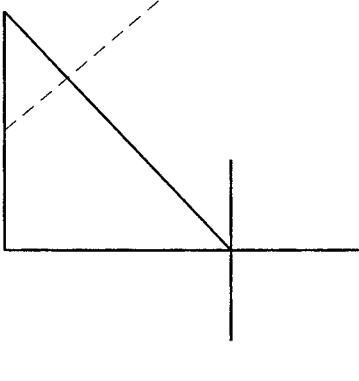
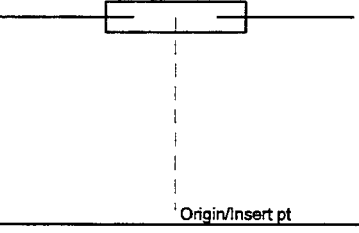
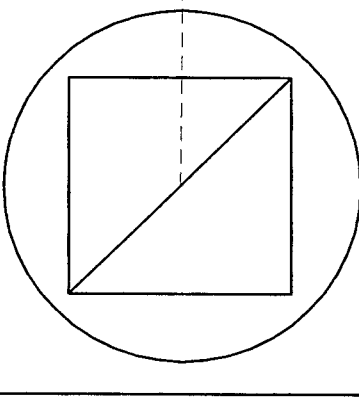
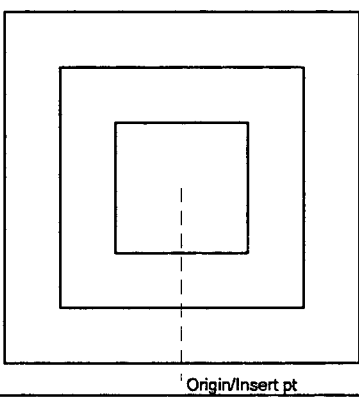
		
Mechanical: ACCDOR DUCT ACCESS DOOR Element type: Symbol	Mechanical: AGUIDE ALIGNMENT GUIDE Element type: Symbol	Mechanical: AIRELM AIR ELIMINATOR Element type: Symbol
		
Mechanical: AIRIN AIR IN Element type: Symbol	Mechanical: AIRSEP AIR SEPARATOR Element type: Symbol	Mechanical: ANCHRI ANCHOR Element type: Symbol
		
Mechanical: AVENTA AUTOMATIC AIR VENT Element type: Symbol	Mechanical: AVENTM MANUAL AIR VENT Element type: Symbol	Mechanical: BALLJT BALL JOINT Element type: Symbol

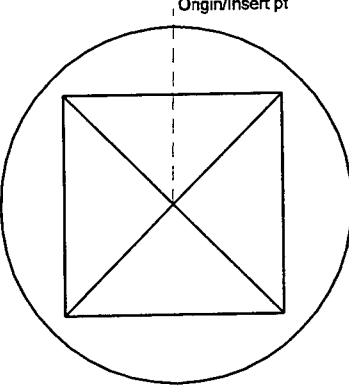
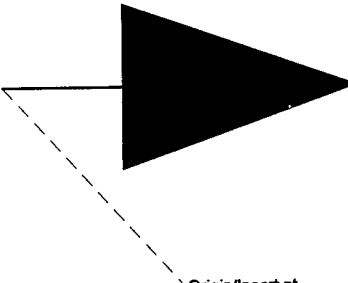
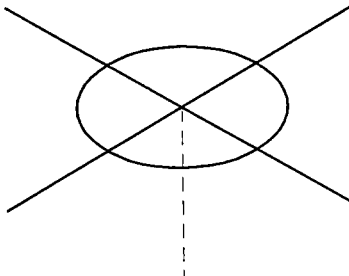
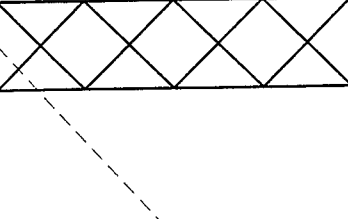
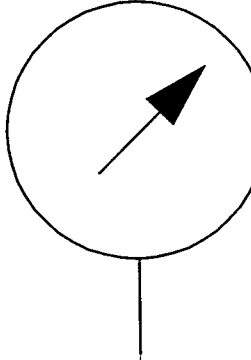
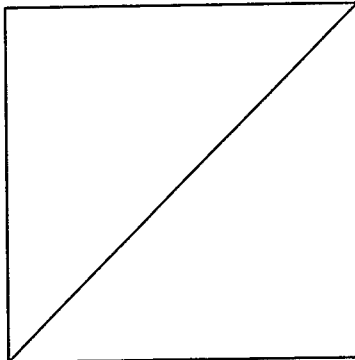
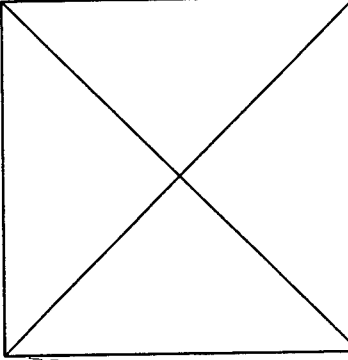
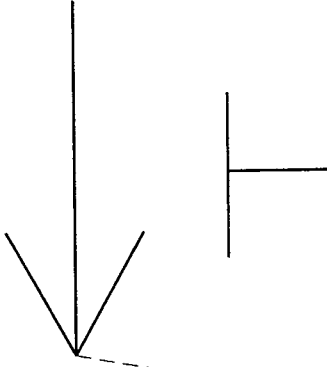
		
Mechanical: BUSHSC BUSHING Element type: Symbol	Mechanical: CAPSC CAP Element type: Symbol	Mechanical: CAPTUB CAPILLARY TUBE Element type: Symbol
		
Mechanical: CDRND ROUND CEILING DIFFUSER Element type: Symbol	Mechanical: CDSQR SQUARE CEILING DIFFUSER Element type: Symbol	Mechanical: CFM2X3 AIRFLOW CFM Element type: Symbol
		
Mechanical: CFM2X4 AIRFLOW CFM Element type: Symbol	Mechanical: CFM3X4 AIRFLOW CFM Element type: Symbol	Mechanical: COCKSC COCK Element type: Symbol

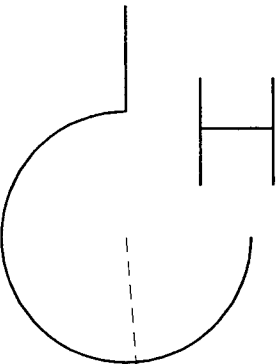
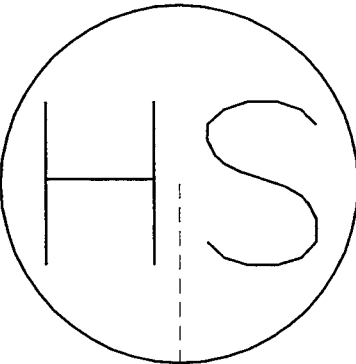
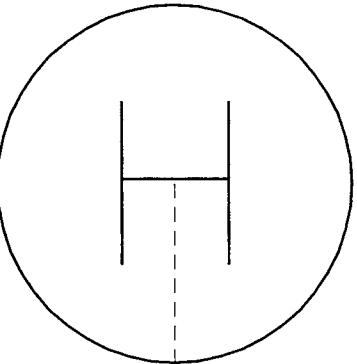
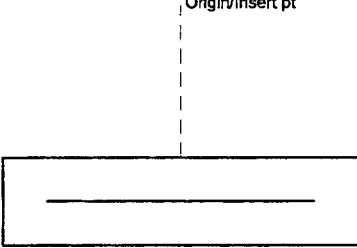
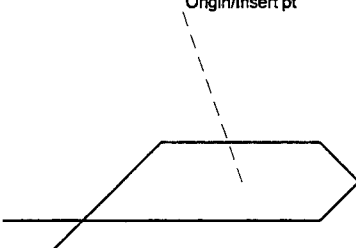
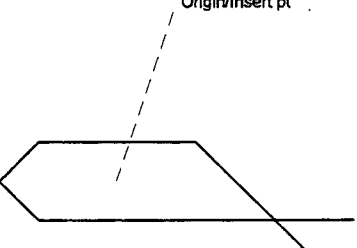
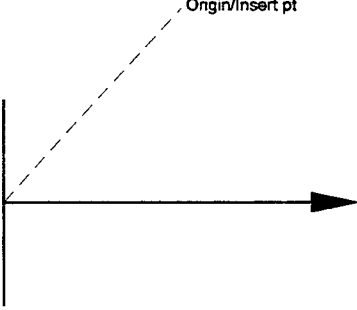
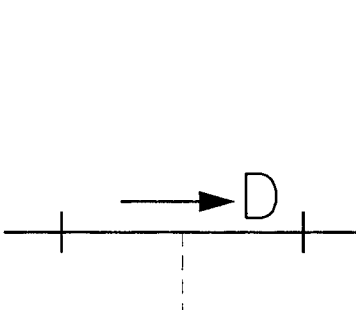
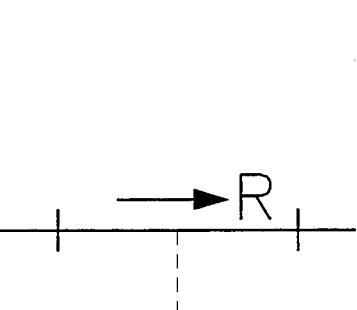
		
Mechanical: CREDSC REDUCER CONCENTRIC Element type: Symbol	Mechanical: CRSRSC CROSS Element type: Symbol	Mechanical: CUPJNT COUPLING JOINT Element type: Symbol
		
Mechanical: DCTHTR ELECTRIC DUCT HEATER Element type: Symbol	Mechanical: DMPEOC ELECT OPERATED DAMPER Element type: Symbol	Mechanical: DMPFIR FIRE DAMPER Element type: Symbol
		
Mechanical: DMPFS FIRE SMOKE DAMPER Element type: Symbol	Mechanical: DMPPOD PNEUMATIC DAMPER Element type: Symbol	Mechanical: DMPSMK SMOKE DAMPER Element type: Symbol

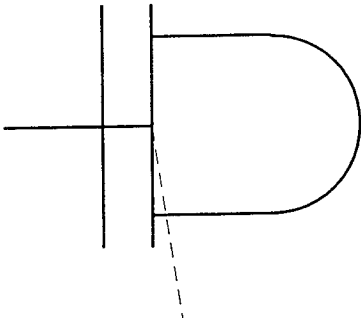
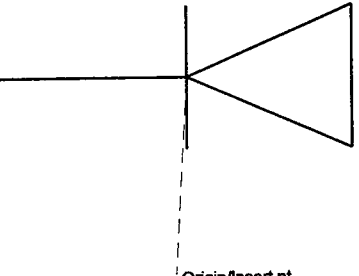
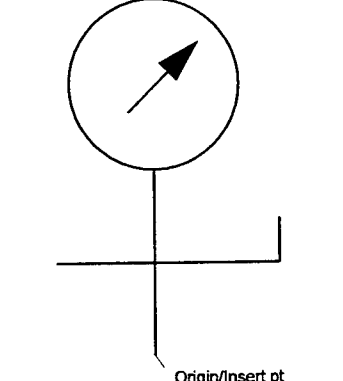
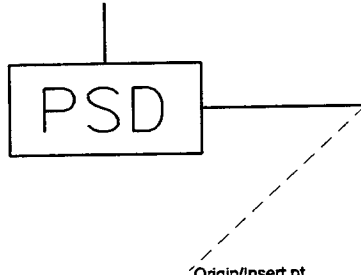
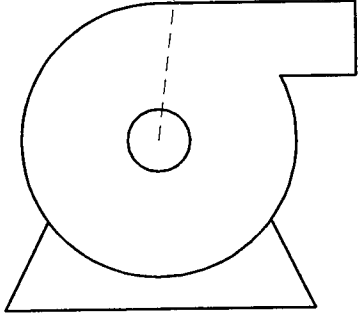
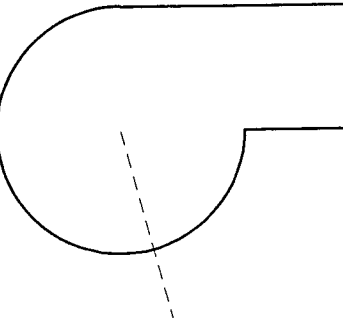
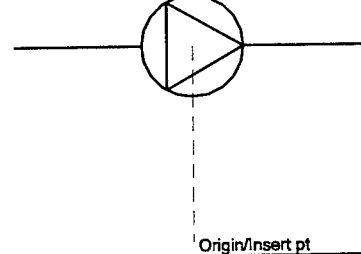
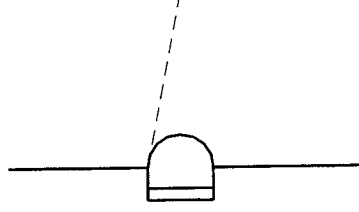
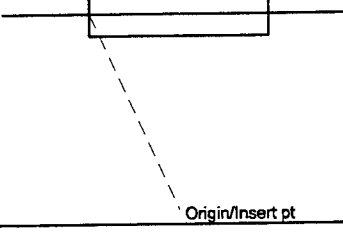
		
Mechanical: DPRSD DUCT PRESSURE CLASS DOWN Element type: Symbol	Mechanical: DPRSH DUCT PRESSURE HORIZONTAL Element type: Symbol	Mechanical: DPRSL DUCT PRESSURE LEFT Element type: Symbol
		
Mechanical: DPRSR DUCT PRESSURE RIGHT Element type: Symbol	Mechanical: DPRSU DUCT PRESSURE CLASS UP Element type: Symbol	Mechanical: DPRSV DUCT PRESSURE CLASS VERT Element type: Symbol
		
Mechanical: DRIER DRIER Element type: Symbol	Mechanical: EEQ2X2 ELEC. EQUIP 2X2 MARK Element type: Symbol	Mechanical: EEQ2X3 ELEC. EQUIP 2X3 MARK Element type: Symbol

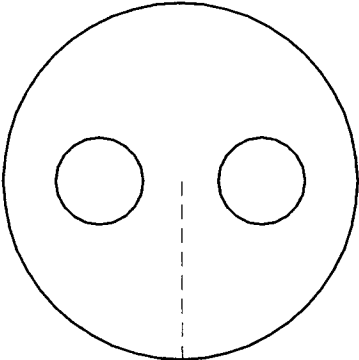
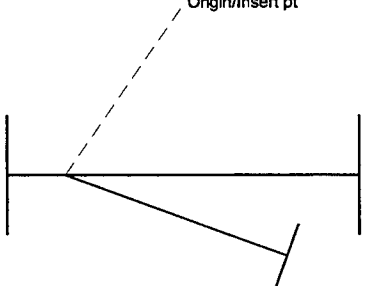
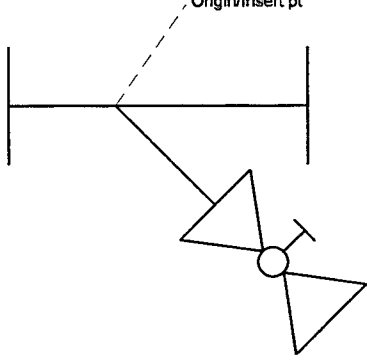
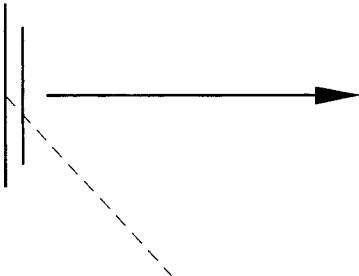
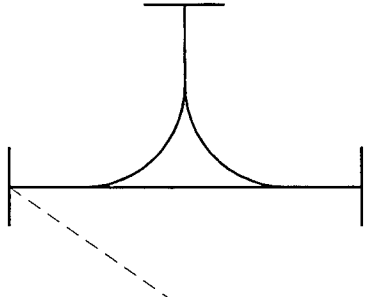
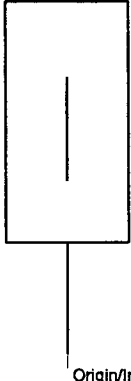
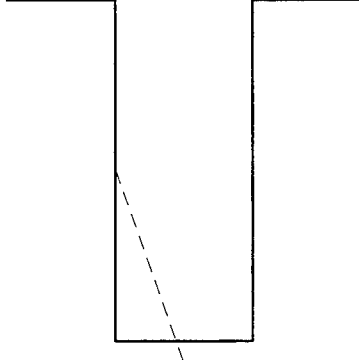
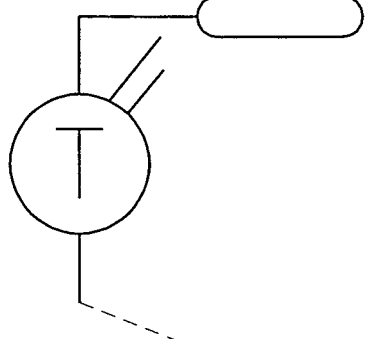
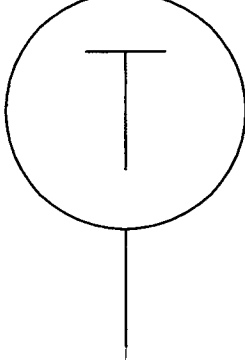
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Mechanical: EEQ2X4 ELEC EQUIP 2X4 MARK Element type: Symbol	Mechanical: EEQ3X2 ELEC EQUIP 3X2 MARK Element type: Symbol	Mechanical: EEQ3X3 ELEC EQUIP 3X3 MARK Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Mechanical: EEQ3X4 ELEC EQUIP 3X4 MARK Element type: Symbol	Mechanical: EL45SC 45 DEGREE ELBOW Element type: Symbol	Mechanical: EL90SC 90 DEGREE ELBOW Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Mechanical: ELBSC BASE ELBOW Element type: Symbol	Mechanical: ELDBSC DOUBLE BRANCH ELBOW Element type: Symbol	Mechanical: ELLRSC LONG RADIUS ELBOW Element type: Symbol

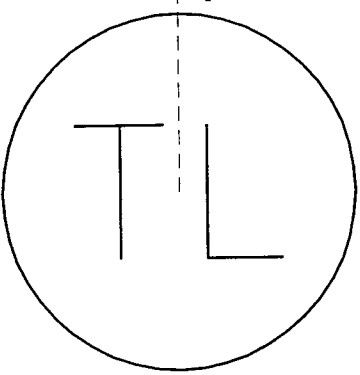
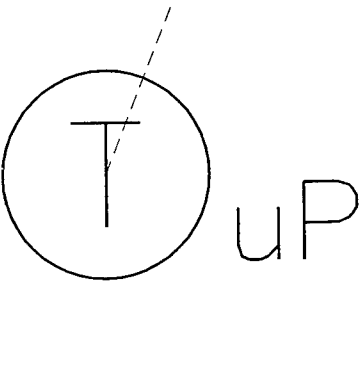
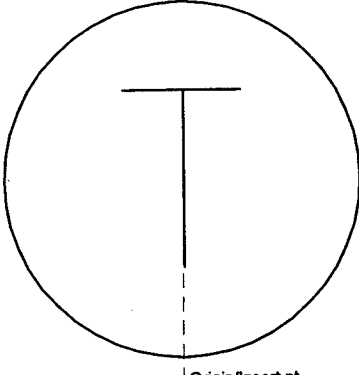
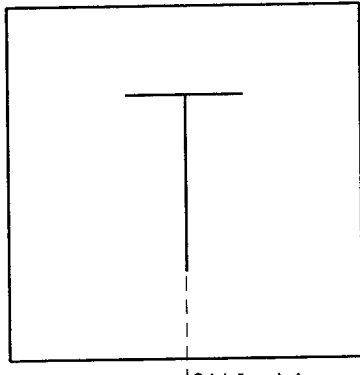
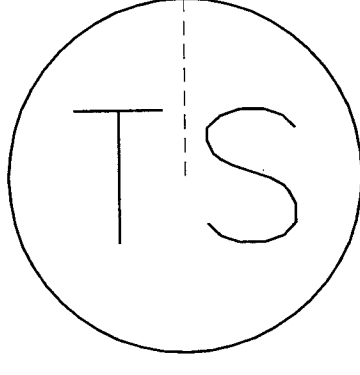
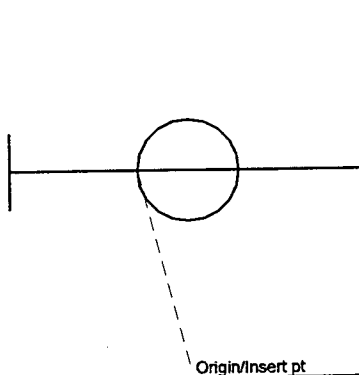
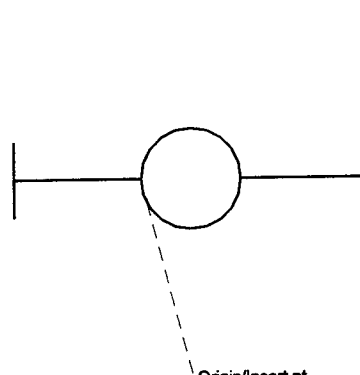
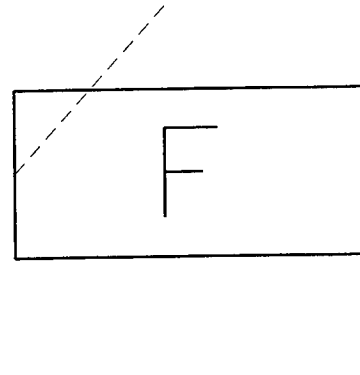
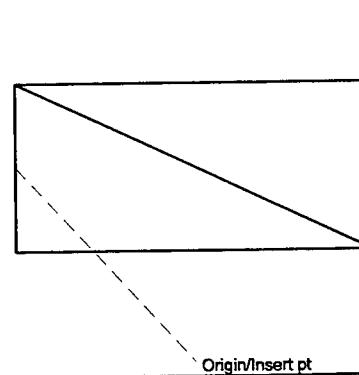
		
Mechanical: ELODSC ELBOW SIDE OUTLET DOWN Element type: Symbol	Mechanical: ELOUSC ELBOW SIDE OUTLET UP Element type: Symbol	Mechanical: ELSTRT STREET ELBOW Element type: Symbol
		
Mechanical: ELTDSC TURNED DOWN ELBOW Element type: Symbol	Mechanical: ELTUSC TURNED UP ELBOW Element type: Symbol	Mechanical: EREDSC ECCENTRIC REDUCER Element type: Symbol
		
Mechanical: EXPJNT EXPANSION JOINT Element type: Symbol	Mechanical: FANERV EXHAUST ROOF VENT FAN Element type: Symbol	Mechanical: FANLRV LOUVERED ROOF VENT FAN Element type: Symbol

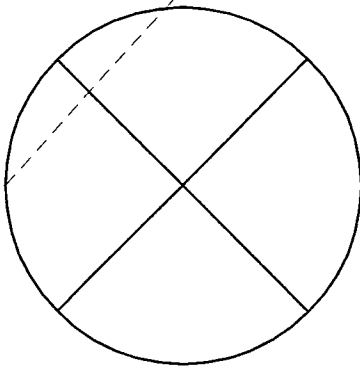
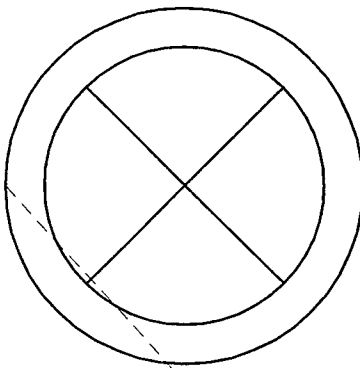
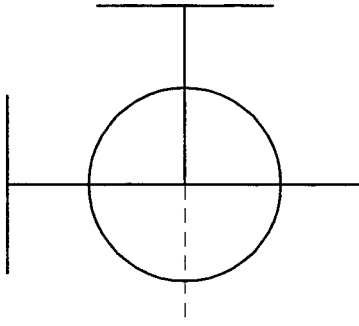
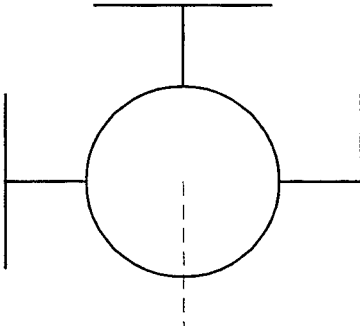
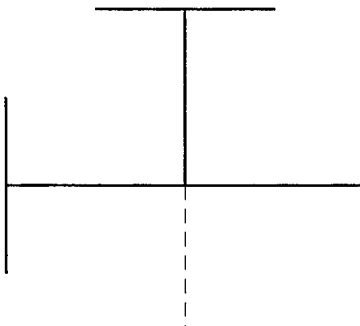
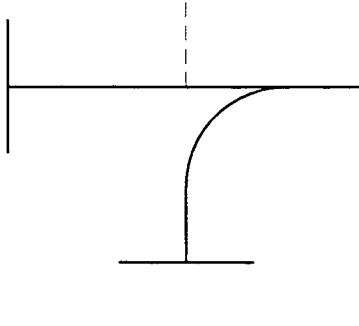
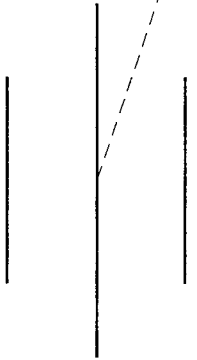
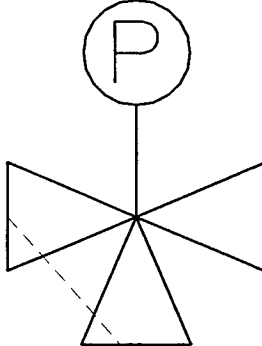
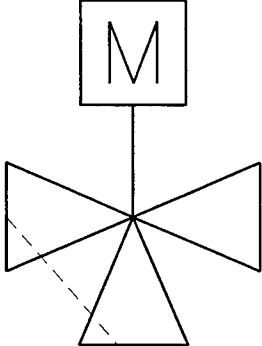
		
Mechanical: FANSRV INTAKE ROOF VENT FAN Element type: Symbol	Mechanical: FLBLND BLIND FLANGE Element type: Symbol	Mechanical: FLOW1 AIR FLOW DIRECTION ARROW Element type: Symbol
		
Mechanical: FLRPEN FLOOR PENETRATION ISO Element type: Symbol	Mechanical: FLXCON FLEXIBLE CONNECTOR Element type: Symbol	Mechanical: GAUGE GAUGE Element type: Symbol
		
Mechanical: GRILEX EXHAUST GRILLE Element type: Symbol	Mechanical: GRILSU SUPPLY GRILLE Element type: Symbol	Mechanical: HANGRD HANGER ROD Element type: Symbol

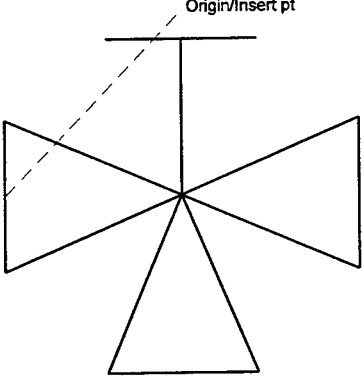
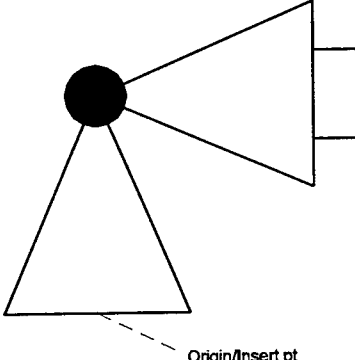
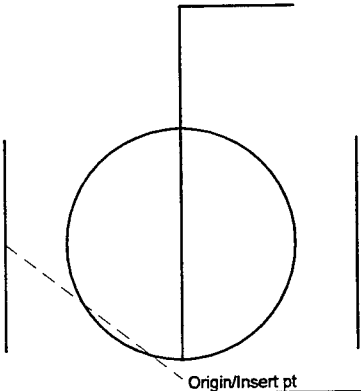
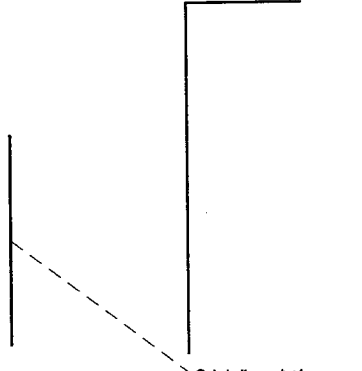
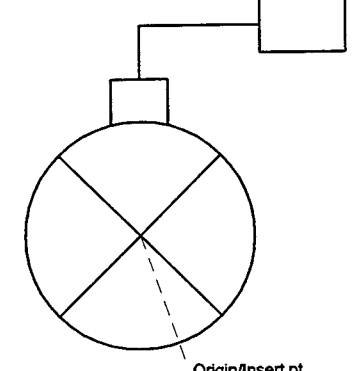
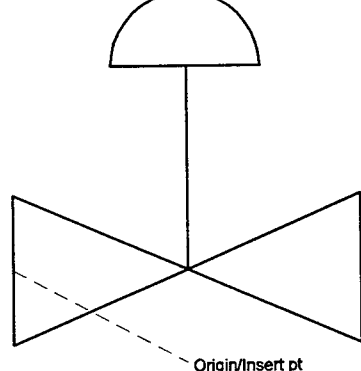
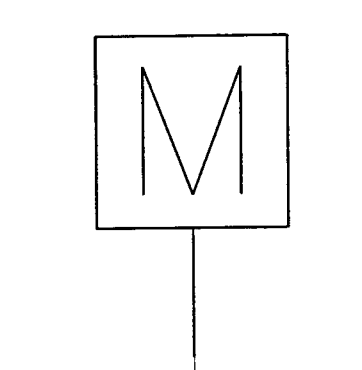
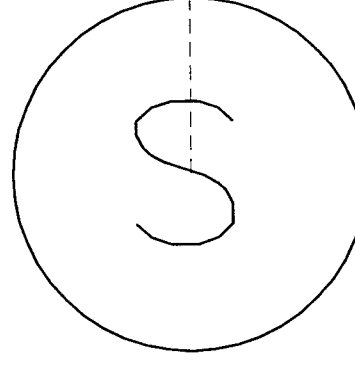
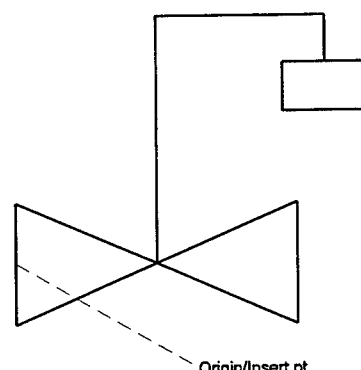
		
Mechanical: HANGSP HANGER SPRING Element type: Symbol	Mechanical: HSENS HUMIDITY SENSOR Element type: Symbol	Mechanical: HSTAT HUMIDISTAT Element type: Symbol
		
Mechanical: LNDIFF LINEAR DIFFUSER Element type: Symbol	Mechanical: LOOPL LEFT DIMENSION LOOP Element type: Symbol	Mechanical: LOOPR RIGHT DIMENSION LOOP Element type: Symbol
		
Mechanical: LOUOPN DOOR OR WALL LOUVER Element type: Symbol	Mechanical: PIDROP PITCH OR PIPE DROP Element type: Symbol	Mechanical: PIRISE PITCH OR PIPE RISE Element type: Symbol

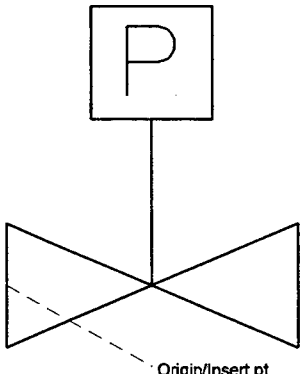
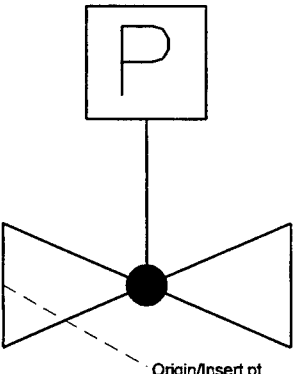
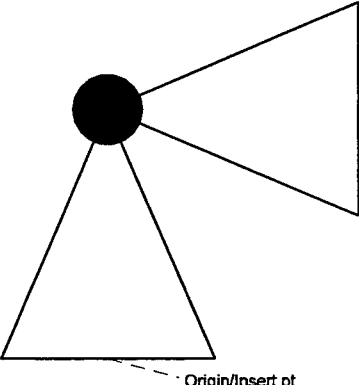
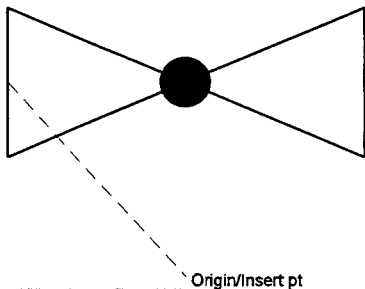
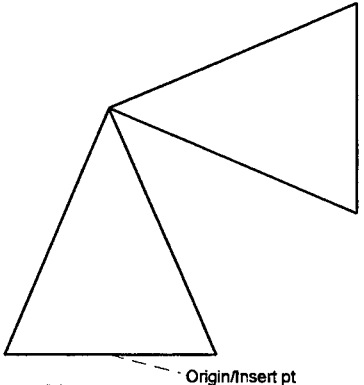
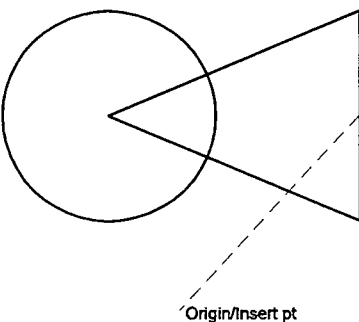
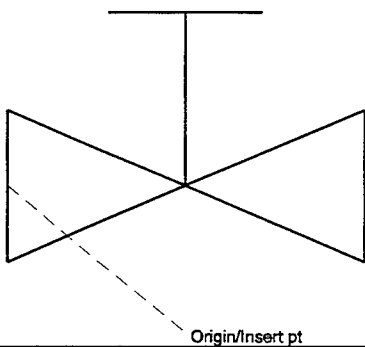
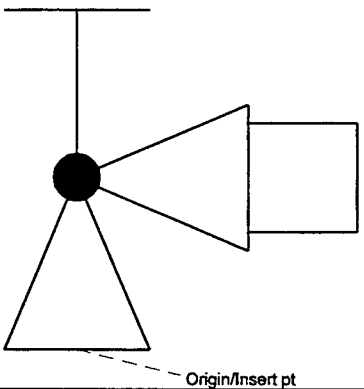
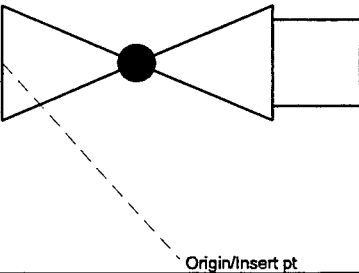
		
Mechanical: PLGBFL BULL PLUG FLANGED Element type: Symbol	Mechanical: PLGPSC PIPE PLUG Element type: Symbol	Mechanical: PRGGCO PRESSURE GAGE AND COCK Element type: Symbol
		
Mechanical: PSDIFF PUMP SUCTION DIFFUSER Element type: Symbol	Mechanical: PUMP PUMP Element type: Symbol	Mechanical: PUMPP PUMP SCHEMATIC Element type: Symbol
		
Mechanical: PUMPS INLINE PUMP Element type: Symbol	Mechanical: SCALET SCALE TRAP Element type: Symbol	Mechanical: SLEEVE SLEEVE Element type: Symbol

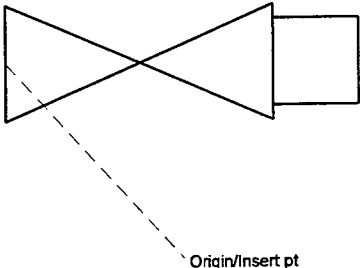
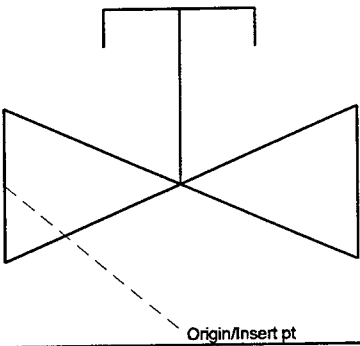
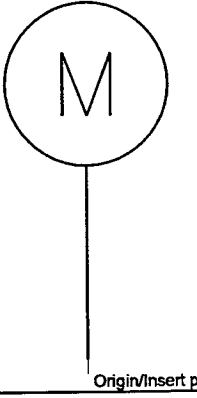
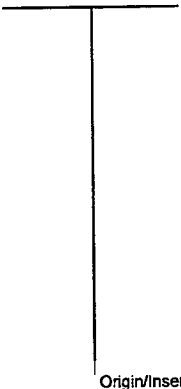
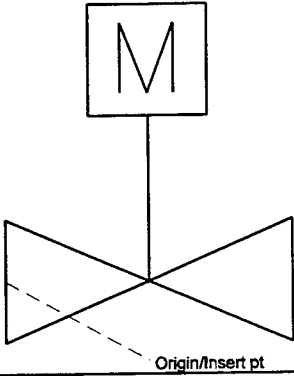
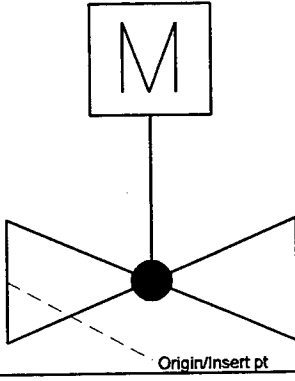
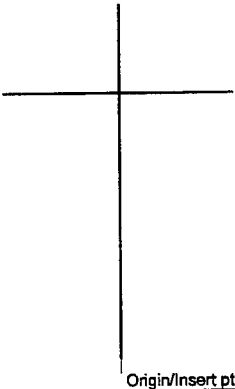
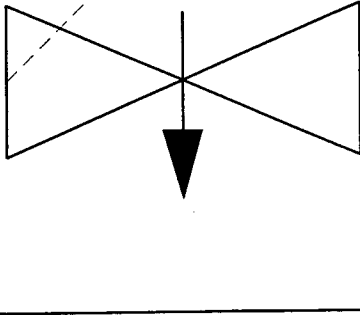
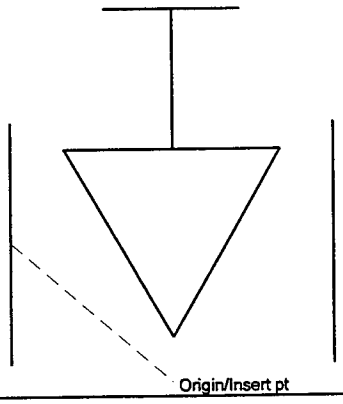
		
Mechanical: STGLAS SIGHT GLASS Element type: Symbol	Mechanical: STRAIN STRAINER Element type: Symbol	Mechanical: STRBLO BLOW OFF STRAINER Element type: Symbol
		
Mechanical: SUPOUT SUPPLY OUTLET WALL SUPPLY Element type: Symbol	Mechanical: TDSSC DOUBLE SWEEP TEE Element type: Symbol	Mechanical: THERM THERMOMETER Element type: Symbol
		
Mechanical: THERMW THERMOMETER WELL Element type: Symbol	Mechanical: THHRB THERMOSTAT REMOTE BULB Element type: Symbol	Mechanical: THHSC THERMOSTAT SELF-CONTAINED Element type: Symbol

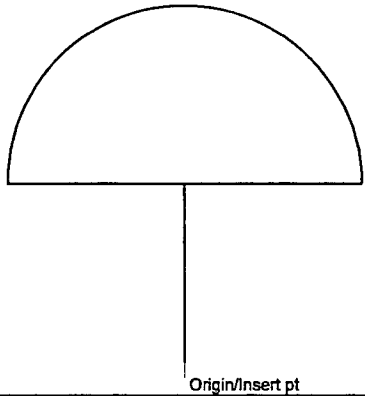
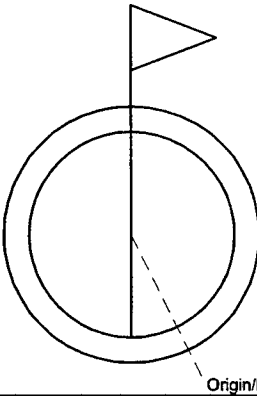
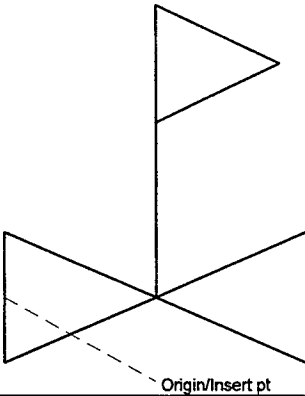
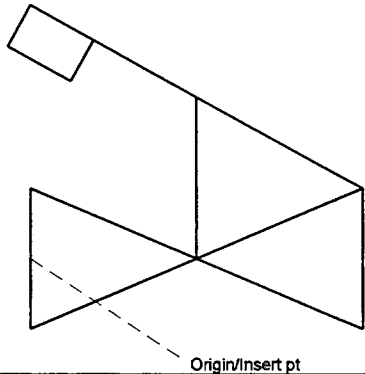
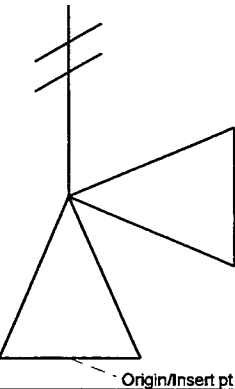
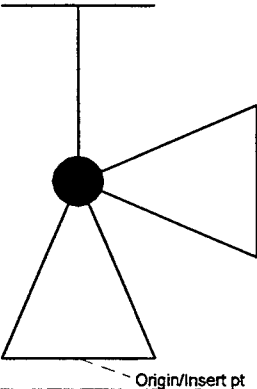
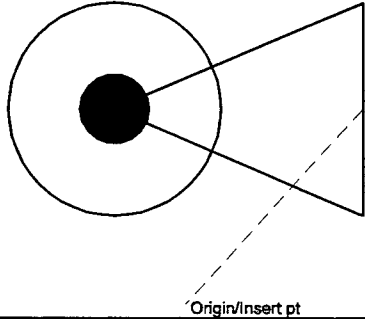
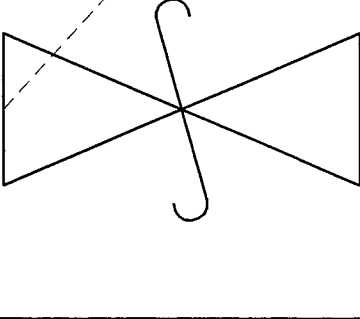
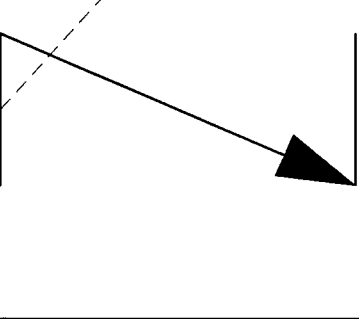
		
Mechanical: THLPRS THERMOSTAT LOW PRESSURE Element type: Symbol	Mechanical: THMCP MICROPROCESSOR THERMOSTAT Element type: Symbol	Mechanical: THPELE THERMOSTAT ELECTRIC Element type: Symbol
		
Mechanical: THPPNE THERMOSTAT PNEUMATIC PIPE Element type: Symbol	Mechanical: TMPSEN TEMPERATURE SENSOR Element type: Symbol	Mechanical: TODSC TEE OUTLET DOWN Element type: Symbol
		
Mechanical: TOUSC TEE OUTLET UP Element type: Symbol	Mechanical: TRAPFL FLOAT TRAP Element type: Symbol	Mechanical: TRAPFT FLOAT THERMOSTATIC TRAP Element type: Symbol

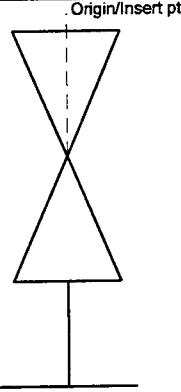
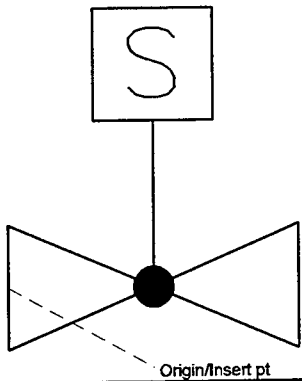
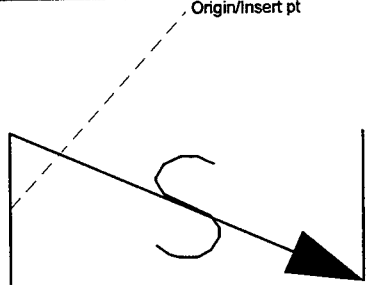
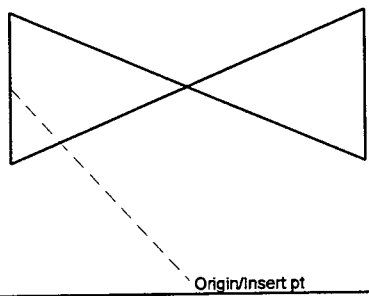
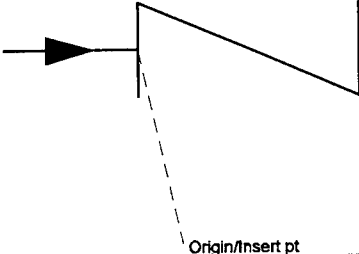
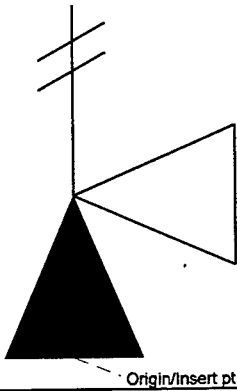
		
Mechanical: TRAPST STEAM TRAP Element type: Symbol	Mechanical: TRAPT THERMOSTATIC BLAST TRAP Element type: Symbol	Mechanical: TSODSC TEE SIDE OUTLET DOWN Element type: Symbol
		
Mechanical: TSOU TEE SIDE OUTLET UP Element type: Symbol	Mechanical: TSSC TEE Element type: Symbol	Mechanical: TSSWSC SINGLE SWEEP TEE Element type: Symbol
		
Mechanical: UNIO UNION Element type: Symbol	Mechanical: VA3WAM 3WAY AIMOTOR CONTROLER Element type: Symbol	Mechanical: VA3WEM 3WAY ELEC MOTOR CONTRLE Element type: Symbol

		
Mechanical: VA3WM 3 WAY MANUAL VALVE Element type: Symbol	Mechanical: VAAHOS ANGLE HOSE VALVE Element type: Symbol	Mechanical: VABALL BALL VALVE PLAN Element type: Symbol
		
Mechanical: VABFLY BUTTERFLY VALVE Element type: Symbol	Mechanical: VACWR CONDENS WATER REGULATVALVE Element type: Symbol	Mechanical: VADISC DIAPHRAGM VALVE Element type: Symbol
		
Mechanical: VAEMTR PNEUMATIC MOTOR Element type: Symbol	Mechanical: VAESOL SOLENOID VALVE ACTUATOR Element type: Symbol	Mechanical: VAFISC FLOAT VALVE Element type: Symbol

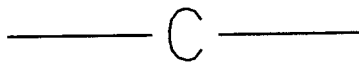
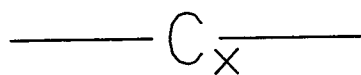
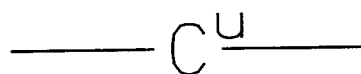
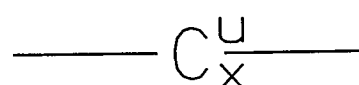
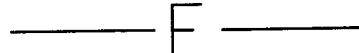
		
Mechanical: VAGAMC PNEUMATIC CTRLD GATE VALVE Element type: Symbol	Mechanical: VAGLAM PNEUMATIC CTRLD GLOBE VLV Element type: Symbol	Mechanical: VAGLE ANGLE GLOBE VALVE Element type: Symbol
		
Mechanical: VAGLSE GLOBE VALVE Element type: Symbol	Mechanical: VAGSE ANGLE GATE VALVE Element type: Symbol	Mechanical: VAGSP ANGLE GATE VALVE PLAN Element type: Symbol
		
Mechanical: VAGTSE GATE VALVE Element type: Symbol	Mechanical: VAHASC GATE VALVE PLAN Element type: Symbol	Mechanical: VAHGLS HOSE GLOBE VALVE Element type: Symbol

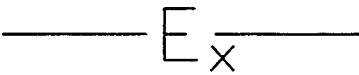
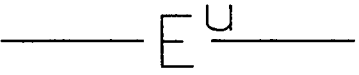
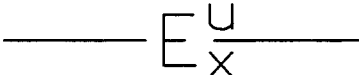
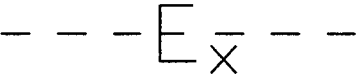
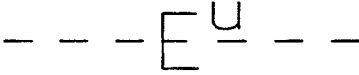
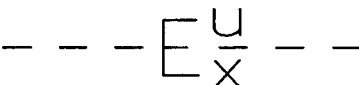
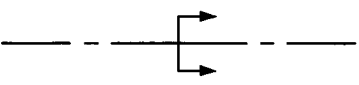
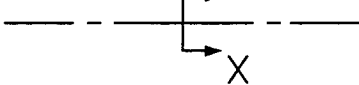
		
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Mechanical: VAMNNS VLV ACTUA MAN NONRISINGSTEM Element type: Symbol	Mechanical: VAMOGS MOTOR OPERATD GATE VALVE Element type: Symbol	Mechanical: VAMOLS MOTOR OPERATD GLOBE VALVE Element type: Symbol
		
Mechanical: VAMOSY VLV ACTOR MAN OUTSTEM Element type: Symbol	Mechanical: VANEED NEEDLE VALVE Element type: Symbol	Mechanical: VAPLUG PLUG VALVE Element type: Symbol

		
Mechanical: VAPMTD VALVE ACTUATOR PNEUMOT Element type: Symbol	Mechanical: VAPRED PRESSURE REDUCING VALVE Element type: Symbol	Mechanical: VAPRRD PRESSURE REDUCING VALVE Element type: Symbol
		
Mechanical: VAQOSC QUICK OPENING VALVE Element type: Symbol	Mechanical: VARELF RELIEF OR SAFETY VALVE Element type: Symbol	Mechanical: VASCE ANGLE GLOBE VALVE ELEVATION Element type: Symbol
		
Mechanical: VASCP ANGLE GLOBE VALVE PLAN Element type: Symbol	Mechanical: VASFSC SAFETY VALVE Element type: Symbol	Mechanical: VASGCH SWING GATE CHECK VALVE Element type: Symbol

		
Mechanical: VASNAP SNAP ACTION VALVE Element type: Symbol	Mechanical: VASOLN SOLENOID VALVE Element type: Symbol	Mechanical: VASPCH SPRING CHECK VALVE Element type: Symbol
		
Mechanical: VASTSC GATE VALVE Element type: Symbol	Mechanical: VASWSC STRAIGHT WAY CHECK VALVE Element type: Symbol	Mechanical: VATPR TEMP PRESSURE RELIEF VALVE Element type: Symbol

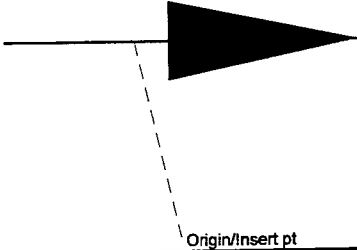
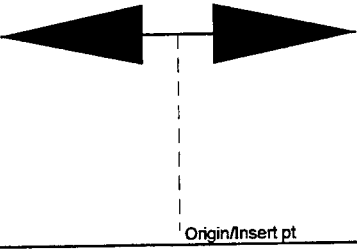
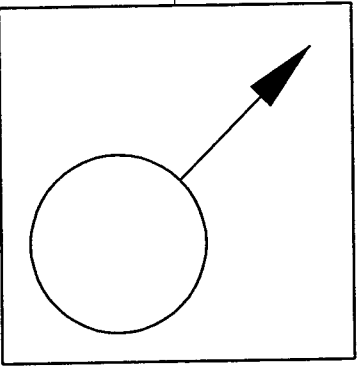
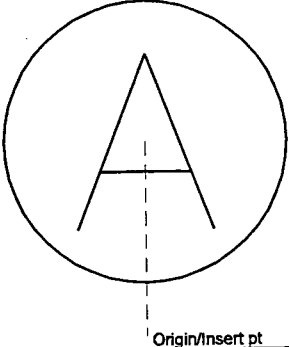
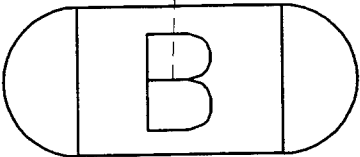
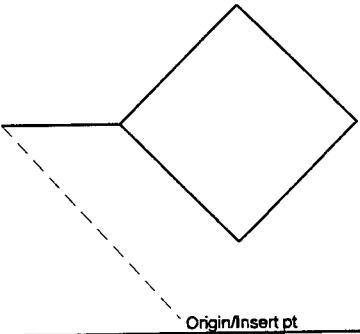
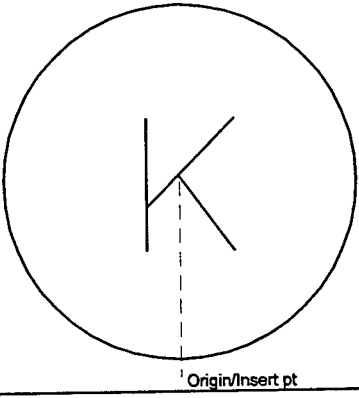
13 Electrical Lines Library

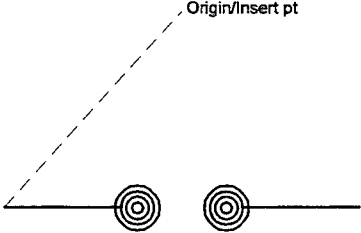
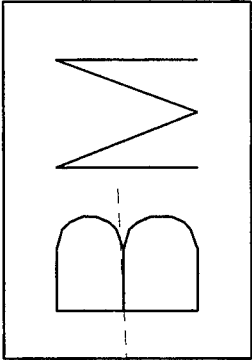
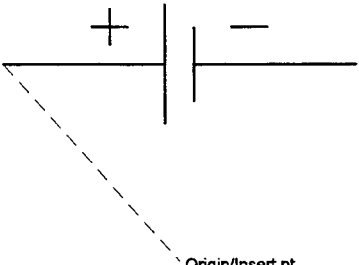
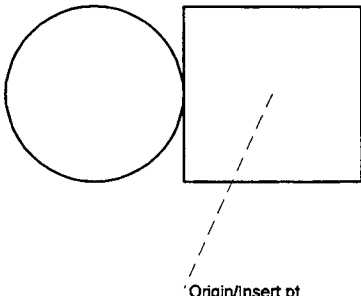
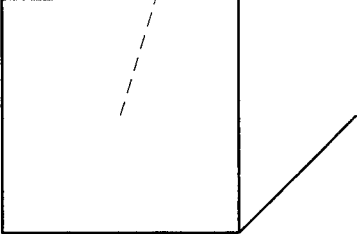
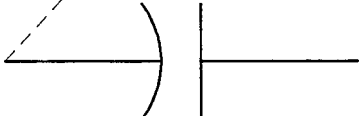
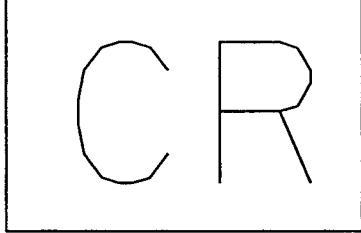
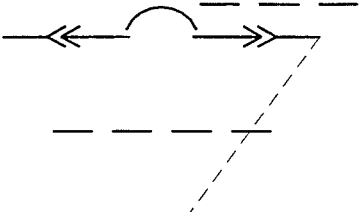
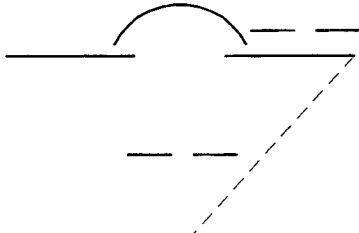
		
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Electrical: COMARX EXIST COMMUNCATION AERIAL Element type: Line	Electrical: COMUGN NEW COMMUNICATION UNDERG Element type: Line	Electrical: COMUGX EXIST COMMUNICATION UNDERG Element type: Line
		
Electrical: CONDFL FLEXIBLE CONDUIT Element type: Line	Electrical: DUCTTR TROLLEY DUCT Element type: Line	Electrical: EPARN NEW ELEC AERIAL PRIMARY Element type: Line

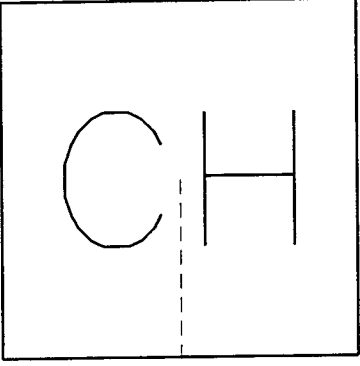
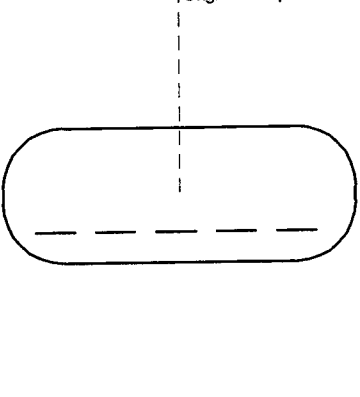
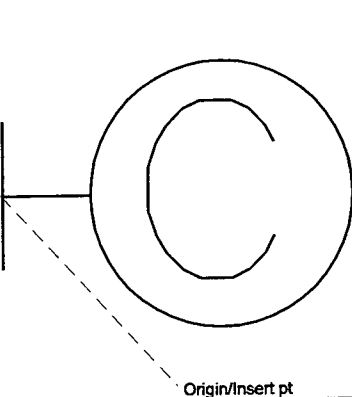
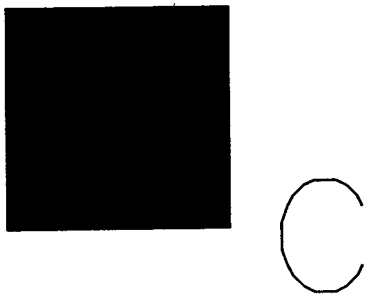
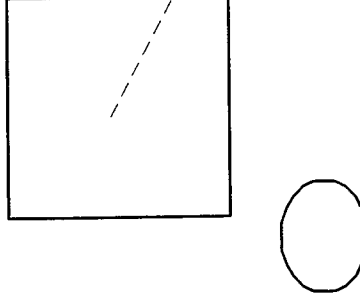
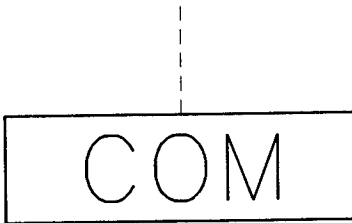
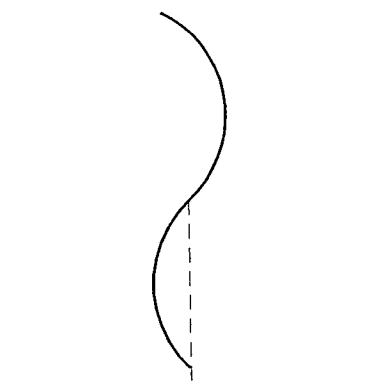
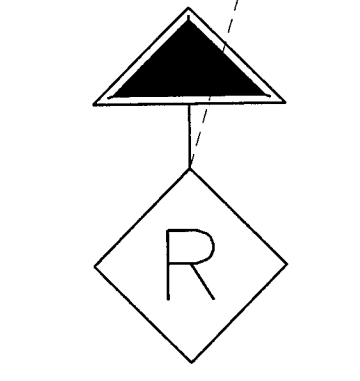
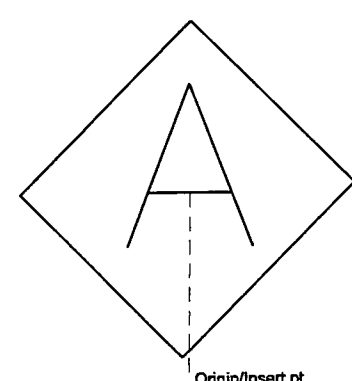
		
Electrical:EPARX EXIST ELEC AERIAL PRIMARY Element type: Line	Electrical:EPUGN NEW ELEC UNDERG PRIMARY Element type: Line	Electrical:EPUGX EXIST ELEC UNDERG PRIMARY Element type: Line
		
Electrical:ESARN NEW ELEC AERIAL SEC Element type: Line	Electrical:ESARX EXIST ELEC AERIAL SEC Element type: Line	Electrical:ESUGN NEW ELEC UNDERG SEC Element type: Line
		
Electrical:ESUGX EXIST ELEC UNDERG SEC Element type: Line	Electrical:EUDUCN NEW UNDERGROUND DUCT BANK Element type: Line	Electrical:EUDUCX EXIST UNDERGROUND DUCT BANK Element type: Line

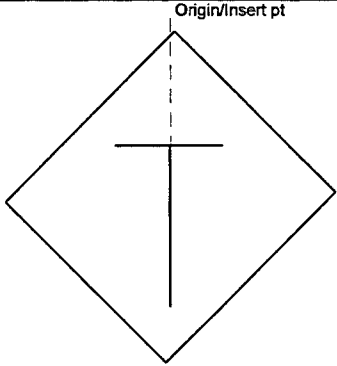
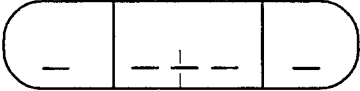
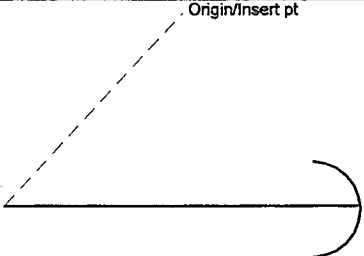
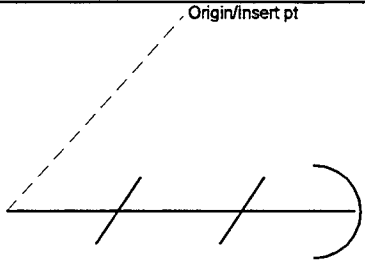
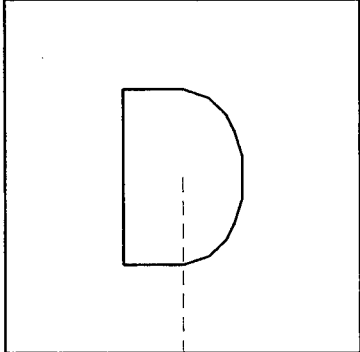
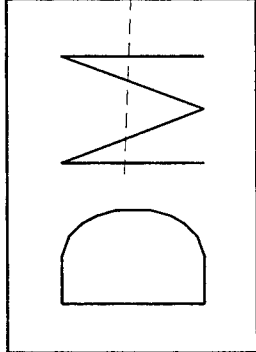
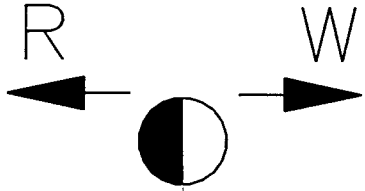
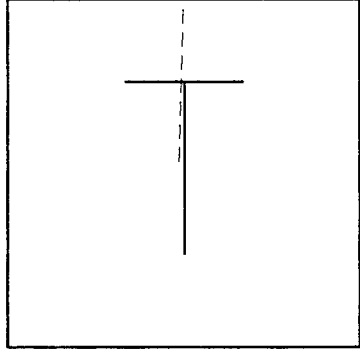
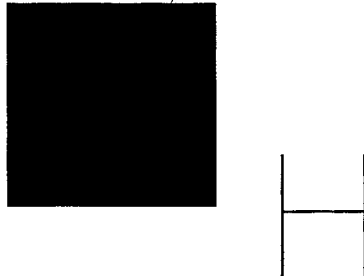
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C		C		C		C												
W		W		W		W												
Electrical:FIBOPT FIBER OPTICS LINE Element type: Line	Electrical:LADDER CABLE LADDER Element type: Line	Electrical:WIREWY WIREWAY Element type: Line																

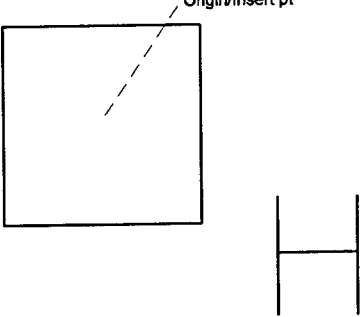
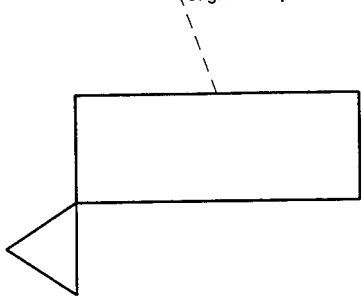
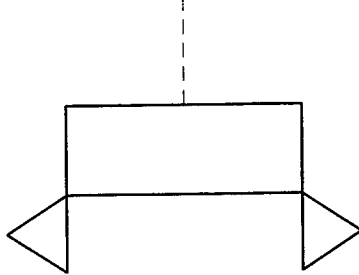
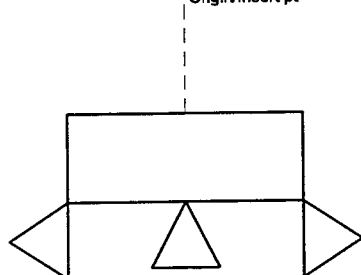
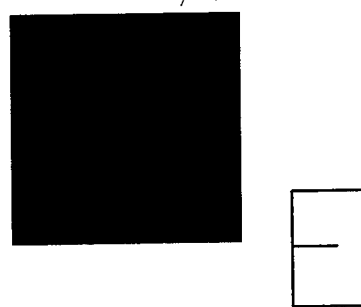
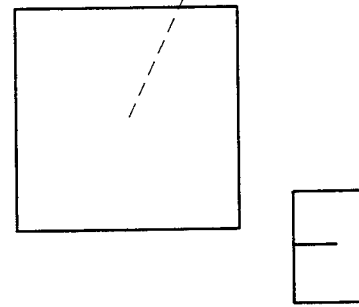
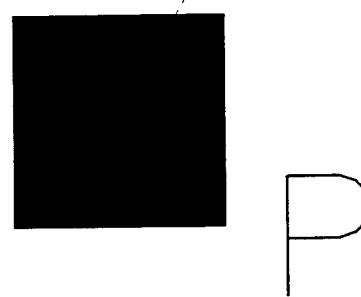
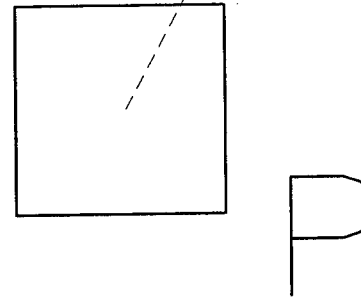
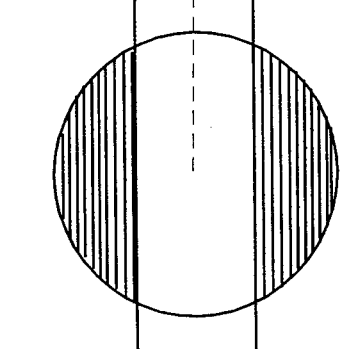
13 Electrical Symbols Library

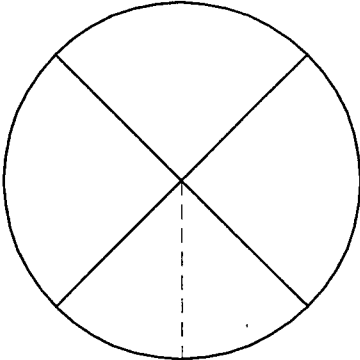
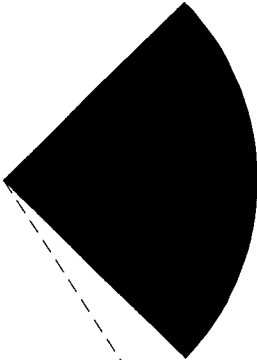
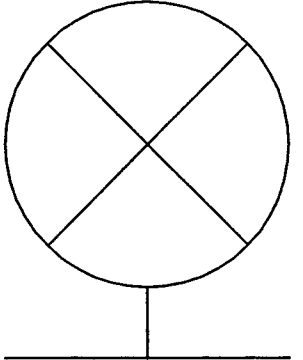
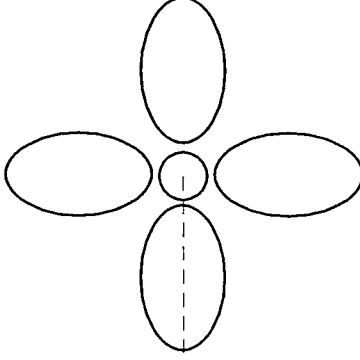
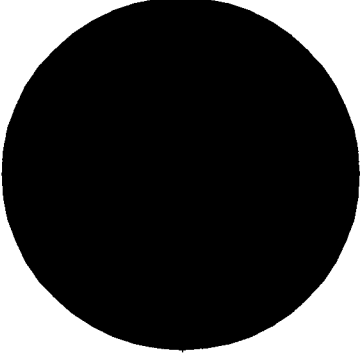
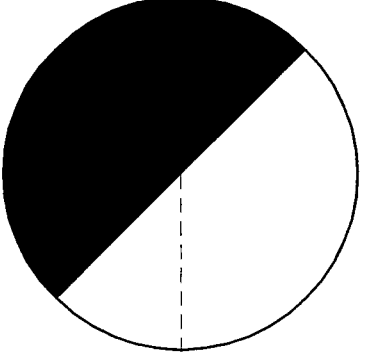
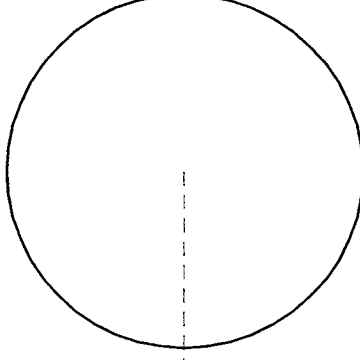
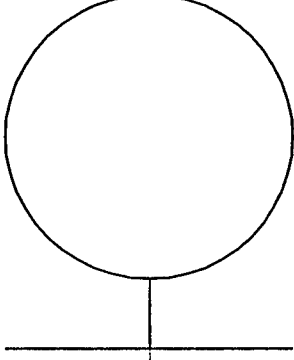
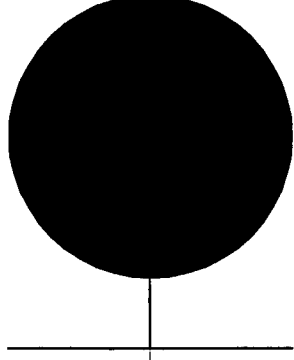
		
Electrical:1DIR DIRECTION ARROW Element type: Symbol	Electrical:2DIR DOUBLE DIRECTION ARROW Element type: Symbol	Electrical:ACCBIO BIOMETRIC ACCESS CONTROL Element type: Symbol
		
Electrical:ACLEL APPROACH LIGHTBAR_ELEVATED Element type: Symbol	Electrical:ACLLSF APPROACH LIGHTBAR_SEMIFLUSH Element type: Symbol	Electrical:AERROD AERIAL ROD Element type: Symbol
		
Electrical:AFBCN AIRFIELD BEACON Element type: Symbol	Electrical:ANNUN ANNUNCIATOR Element type: Symbol	Electrical:ANNUNT LOCAL CNTRL ANNUNCIATION UNIT Element type: Symbol

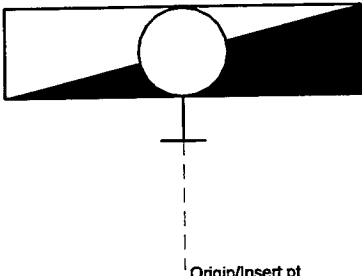
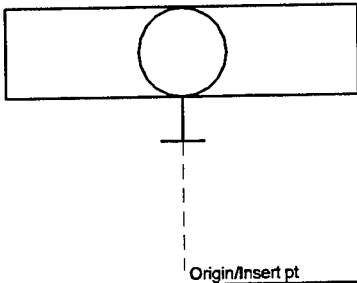
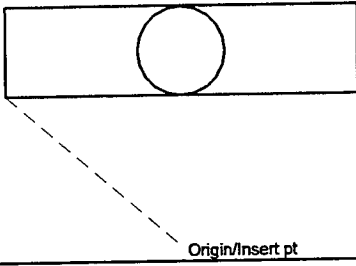
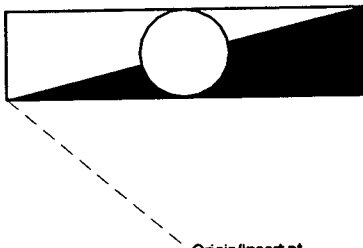
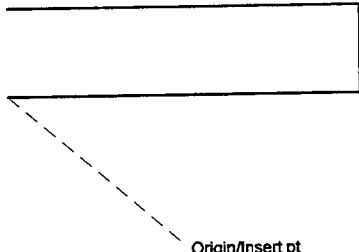
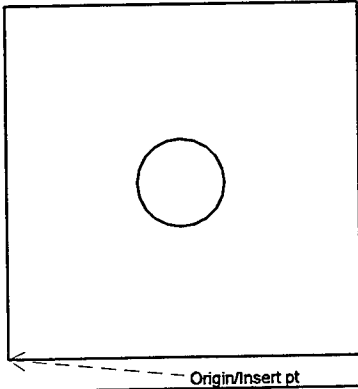
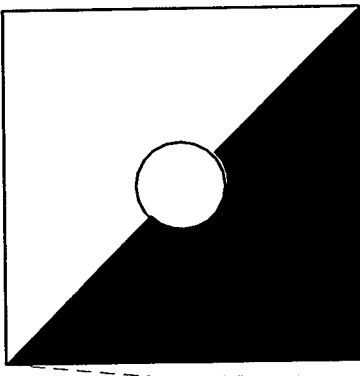
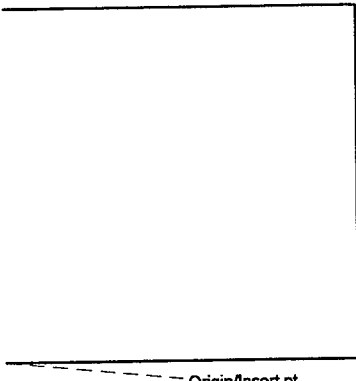
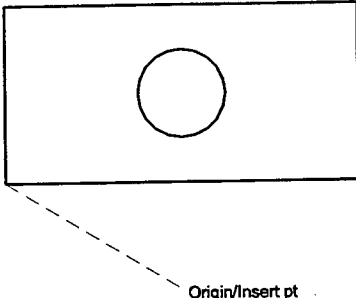
		
Electrical:ARREST LIGHTNING ARRESTOR Element type: Symbol	Electrical:BARMKR BARRIER MARKER Element type: Symbol	Electrical:BATTRY BATTERY Element type: Symbol
		
Electrical:BELL BELL Element type: Symbol	Electrical:BUZZER BUZZER Element type: Symbol	Electrical:CAPCTR CAPACITOR Element type: Symbol
		
Electrical:CARDRD CARD READER Element type: Symbol	Electrical:CBDOUT DRAWOUT CIRCUIT BREAKER Element type: Symbol	Electrical:CBMCAS MOLDED CASE CKT BREAKER Element type: Symbol

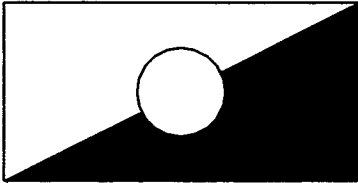
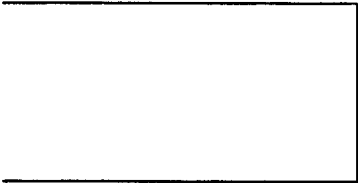
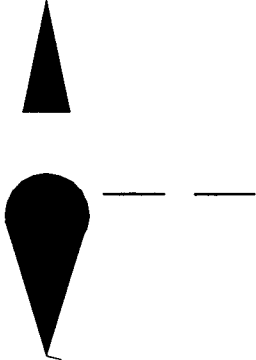
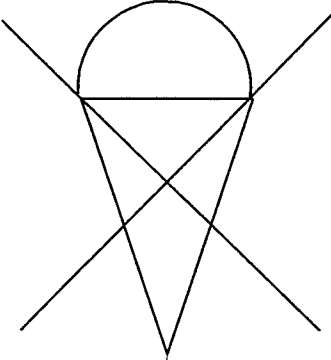
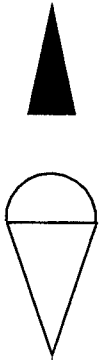
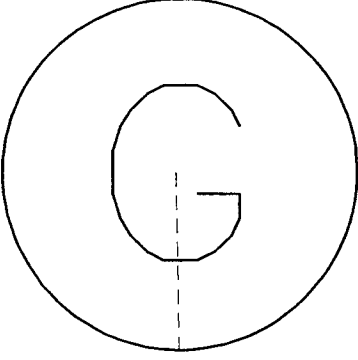
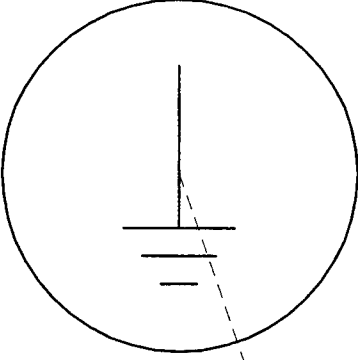
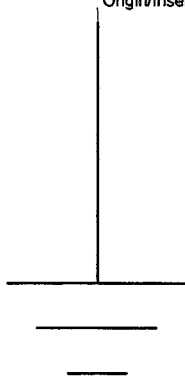
		
Electrical:CHIME CHIME Element type: Symbol	Electrical:CKTID CIRCUIT ID SYMBOL Element type: Symbol	Electrical:CLOCKW CLOCK OUTLET WALL MOUNTED Element type: Symbol
		
Electrical:CMHLN COMMO MANHOLE NEW Element type: Symbol	Electrical:CMHLX COMMO MANHOLE_EXIST Element type: Symbol	Electrical:CMPANL COMMUNICATION PANEL Element type: Symbol
		
Electrical:CPLTM CKT LINE TERMINATOR Element type: Symbol	Electrical:CPREC2 CP RECTIFIER Element type: Symbol	Electrical:CPSAN CP SACRIFICIAL ANODE Element type: Symbol

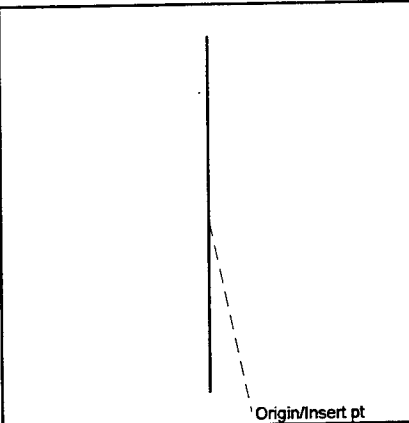
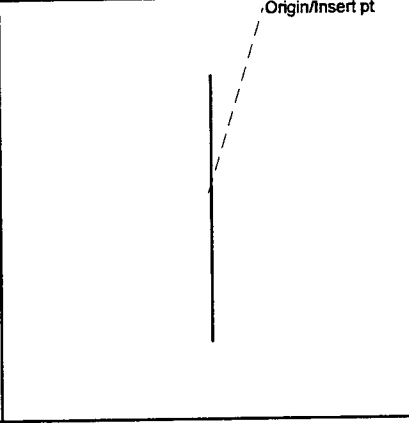
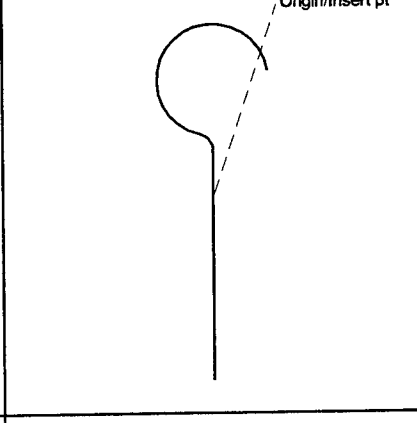
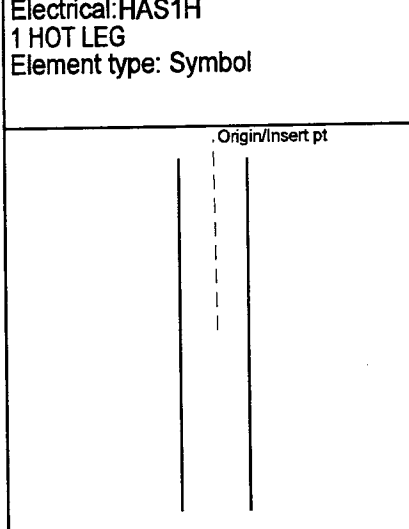
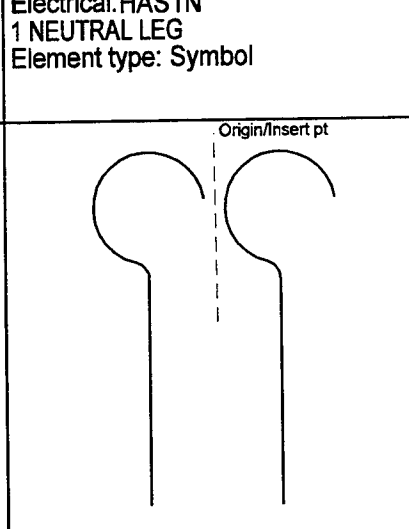
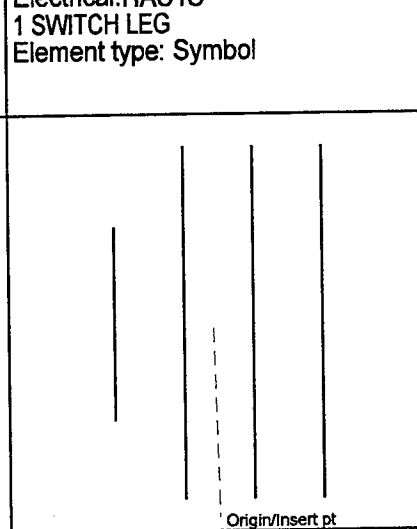
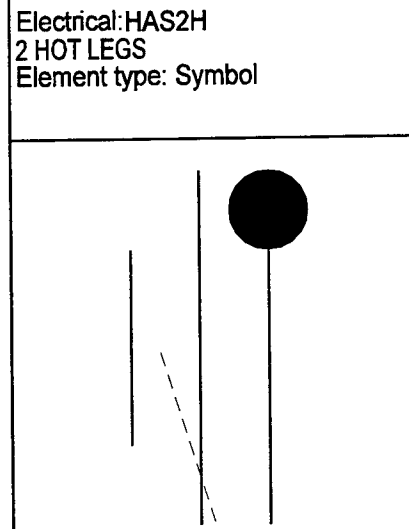
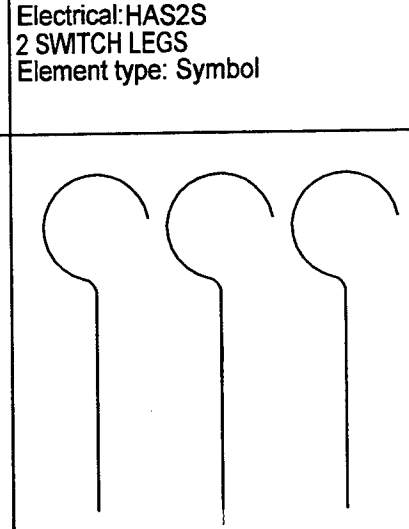
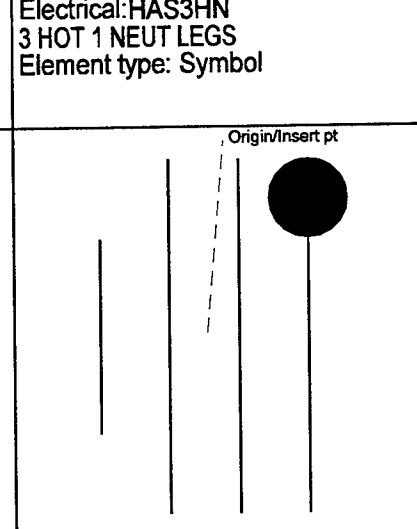
		
Electrical:CPTEST CATHODIC PROTECT TEST STATN Element type: Symbol	Electrical:DBID DUCTBANK ID SYMBOL Element type: Symbol	Electrical:DGUYN DOWNGUY_NEW Element type: Symbol
		
Electrical:DGUYR DOWNGUY_REMOVE Element type: Symbol	Electrical:DOROPN ELECTRIC DOOR OPENER Element type: Symbol	Electrical:DSTMKR RW DISTANCE MARKER Element type: Symbol
		
Electrical:DTHL DISPLACE THRESHOLD LIGHT Element type: Symbol	Electrical:DXFMR DRY TYPE TRANSFORMER Element type: Symbol	Electrical:EHHLN ELEC HANDHOLE_NEW Element type: Symbol

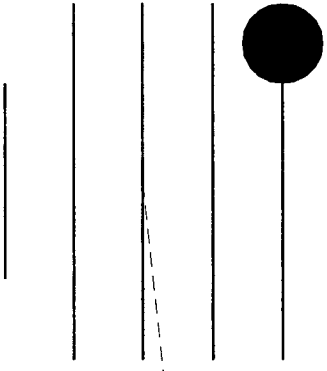
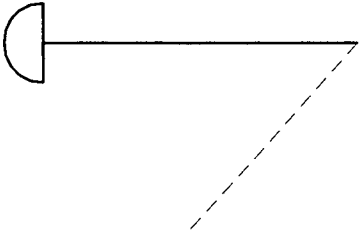
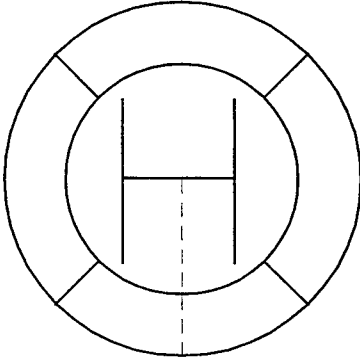
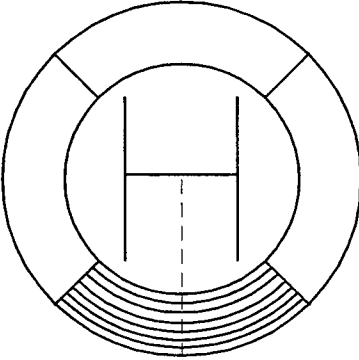
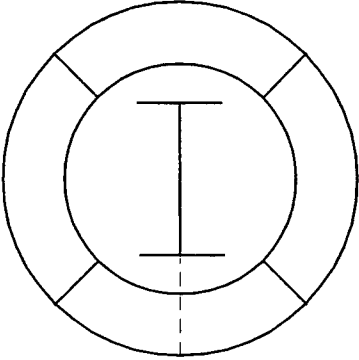
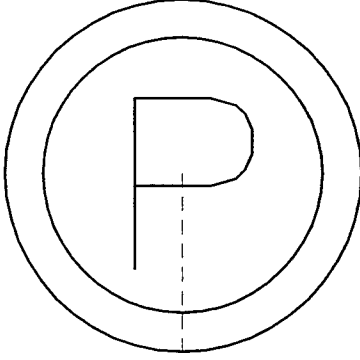
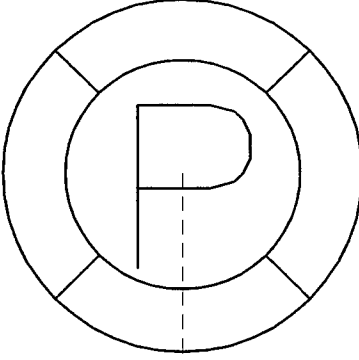
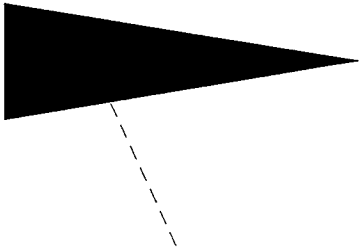
		
Electrical: EHLX ELEC HANDHOLE_EXIST Element type: Symbol	Electrical: ELBP1L 1LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol	Electrical: ELBP2L 2LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol
		
Electrical: ELBP3L 3LAMP EMRGNCY LGHTBTTRY PWR Element type: Symbol	Electrical: EMHLN ELEC MANHOLE_NEW Element type: Symbol	Electrical: EMHLX ELEC MANHOLE_EXIST Element type: Symbol
		
Electrical: EPBXN ELEC PULLBOX_NEW Element type: Symbol	Electrical: EPBXX ELEC PULLBOX_EXIST Element type: Symbol	Electrical: ERECPT EMERGENCY RECEPTACLE Element type: Symbol

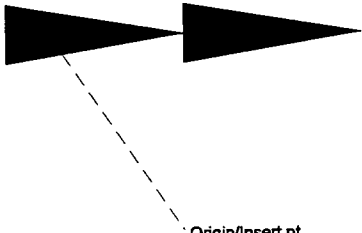
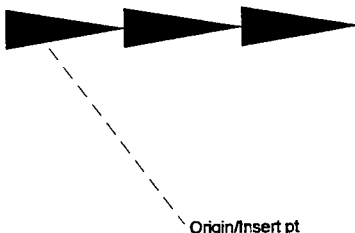
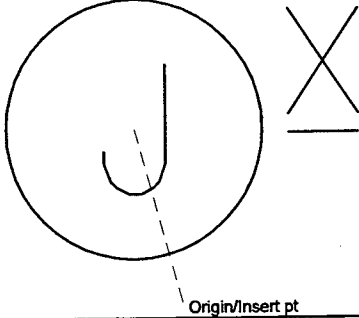
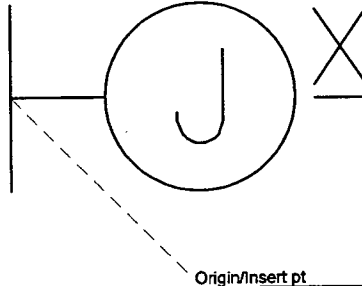
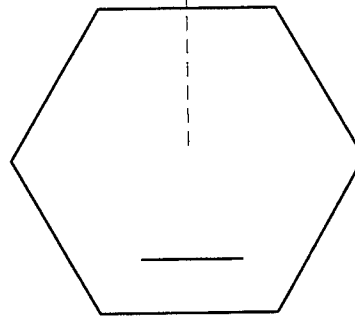
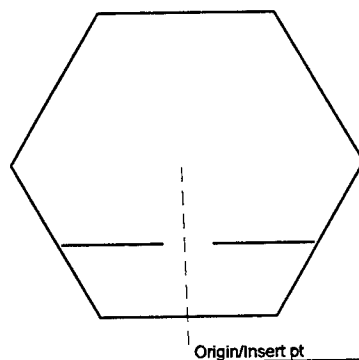
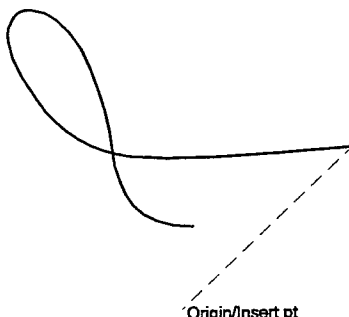
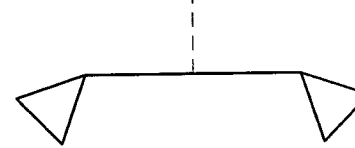
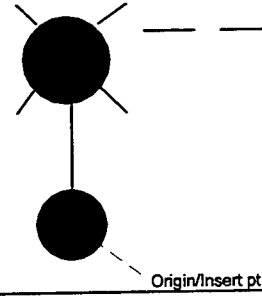
		
Electrical:EXITCM CEILING MNTD EXITSIGN LIGHT Element type: Symbol	Electrical:EXITLF EXIT SIGN LIGHTED FACE Element type: Symbol	Electrical:EXITWM WALL MOUNTD EXIT SIGN LIGHT Element type: Symbol
		
Electrical:FAN CEILING FAN Element type: Symbol	Electrical:FIXSPB PENDANT BATTERY FIXTURE Element type: Symbol	Electrical:FIXSPQ PENDANT QUARTZ RESTRIKE Element type: Symbol
		
Electrical:FIXSPR PENDANT FIXTURE Element type: Symbol	Electrical:FIXWM WALL MOUNTED FIXTURE Element type: Symbol	Electrical:FIXWMB WALL MOUNTED BATTERY FIXTURE Element type: Symbol

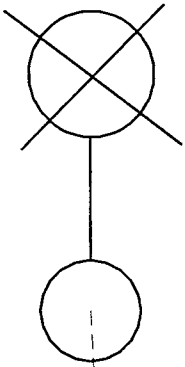
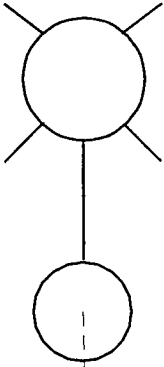
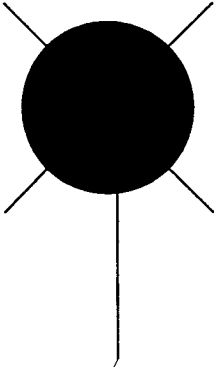
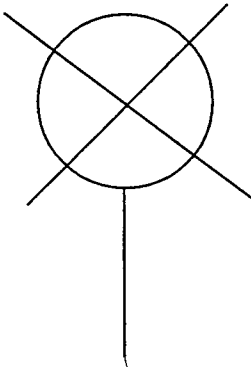
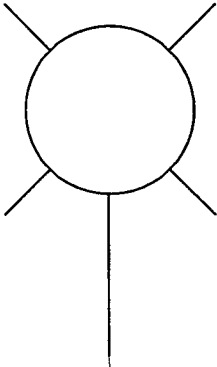
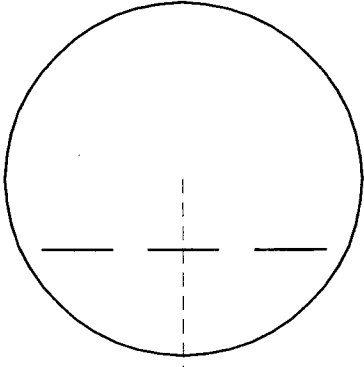
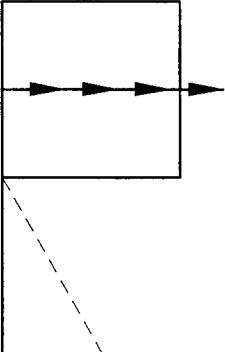
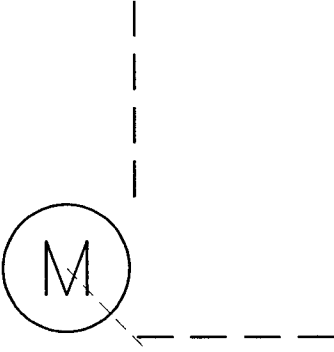
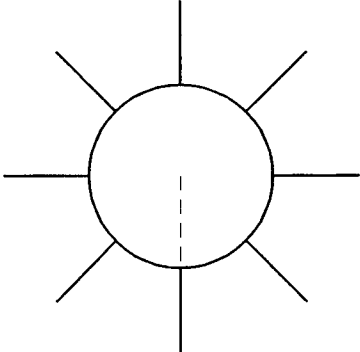
		
Electrical: FL14WB 1X4 WALL MNT FIXT W BATTERY Element type: Symbol	Electrical: FL14WM 1X4 WALL MNT FIXTURE Element type: Symbol	Electrical: FL1X4 1X4 LIGHT FIXTURE Element type: Symbol
		
Electrical: FL1X4B 1X4 LIGHT FIXTURE W BATTERY Element type: Symbol	Electrical: FL1X4C 1X4 LIGHT CONTINUOUS Element type: Symbol	Electrical: FL2X2 2X2 LIGHT FIXTURE Element type: Symbol
		
Electrical: FL2X2B 2X2 LIGHT FIXTURE W BATTERY Element type: Symbol	Electrical: FL2X2C 2X2 LIGHT CONTINUOUS Element type: Symbol	Electrical: FL2X4 2X4 LIGHT FIXTURE Element type: Symbol

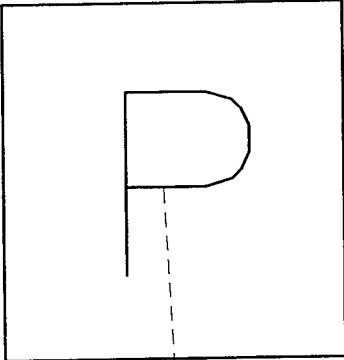
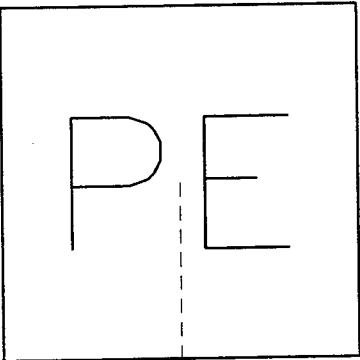
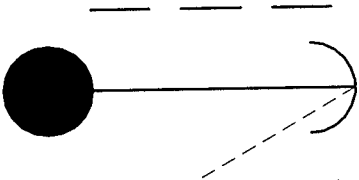
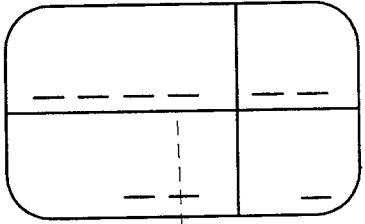
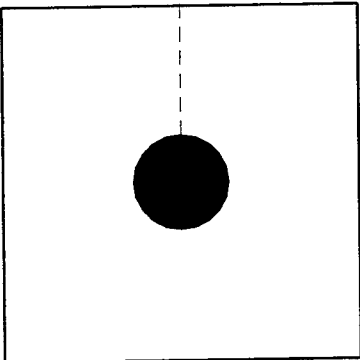
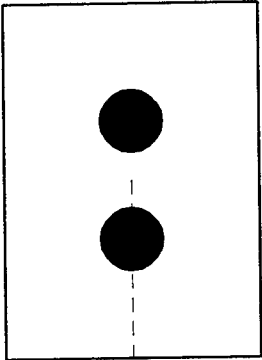
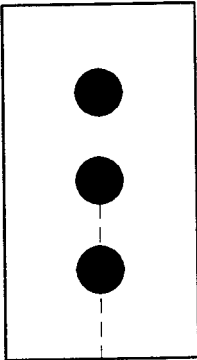
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Electrical:FL2X4B 2X4 LIGHT FIXTURE W BATTERY Element type: Symbol	Electrical:FL2X4C 2X4 LIGHT CONTINUOUS Element type: Symbol	Electrical:FLTN FLOODLIGHT_NEW Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Electrical:FLTR FLOODLIGHT_REMOVE Element type: Symbol	Electrical:FLTX FLOODLIGHT_EXISTING Element type: Symbol	Electrical:FUSRAT FUSE WITH RATING Element type: Symbol
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Electrical:GENRTR GENERATOR Element type: Symbol	Electrical:GRDROD GROUNDING ROD Element type: Symbol	Electrical:GROUND EARTH GROUND Element type: Symbol

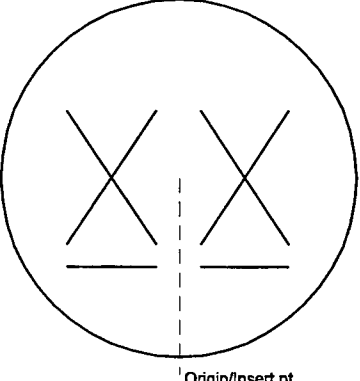
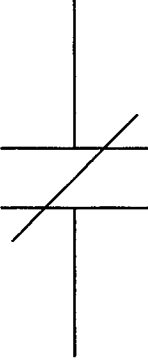
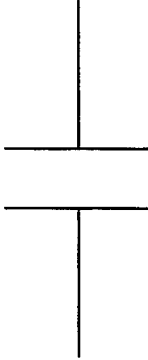
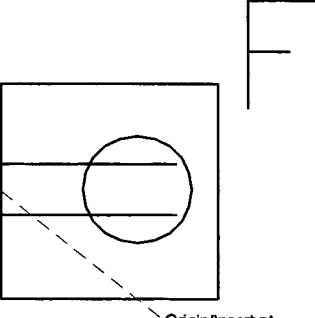
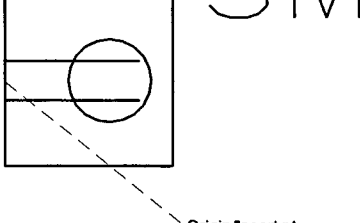
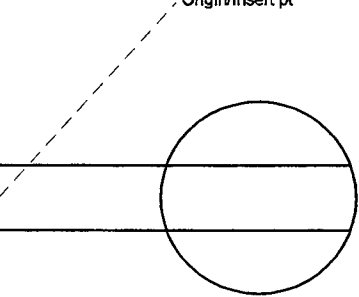
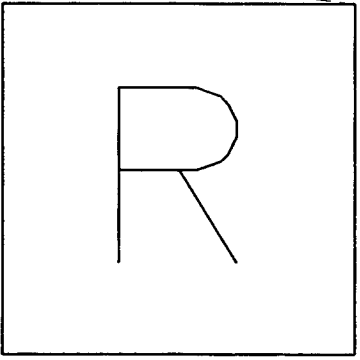
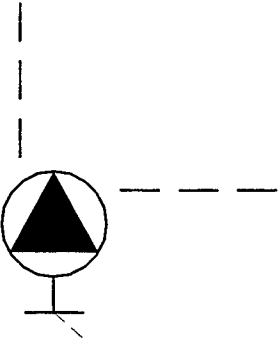
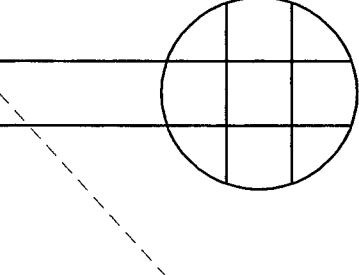
		
Electrical:HAS1H 1 HOT LEG Element type: Symbol	Electrical:HAS1N 1 NEUTRAL LEG Element type: Symbol	Electrical:HAS1S 1 SWITCH LEG Element type: Symbol
		
Electrical:HAS2H 2 HOT LEGS Element type: Symbol	Electrical:HAS2S 2 SWITCH LEGS Element type: Symbol	Electrical:HAS3HN 3 HOT 1 NEUT LEGS Element type: Symbol
		
Electrical:HAS3MK HOT NEUTRAL GROUND Element type: Symbol	Electrical:HAS3S 3 SWITCH LEG Element type: Symbol	Electrical:HAS4MK 2 HOT NEUTRAL GROUND Element type: Symbol

		
Electrical:HAS5MK 3 HOT NEUTRAL GROUND Element type: Symbol	Electrical:HASGND 1 GROUND LEG Element type: Symbol	Electrical:HEDASW AERIAL SERVICE WEATHER HEAD Element type: Symbol
		
Electrical:HLL HOVERLANE Element type: Symbol	Electrical:HLLL HOVERLANE LIMIT LIGHT Element type: Symbol	Electrical:HPIL HELIPAD INSET LIGHT Element type: Symbol
		
Electrical:HPPLEL HELIPAD PER LIGHT_ELEVATED Element type: Symbol	Electrical:HPPLSF HELIPAD PERLIGHT_SEMIFLUSH Element type: Symbol	Electrical:HRUN1 HOME RUN 1 Element type: Symbol

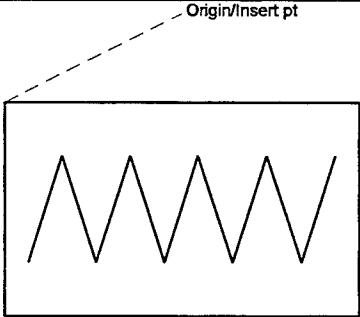
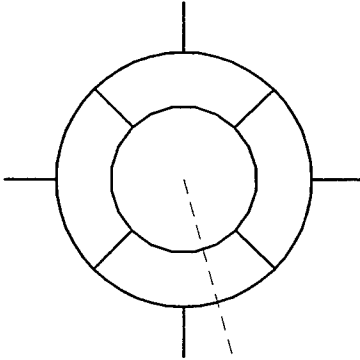
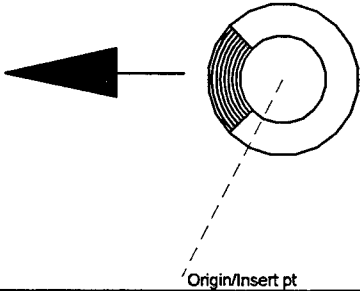
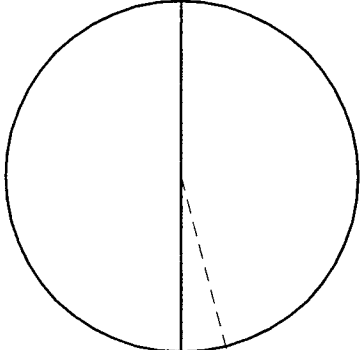
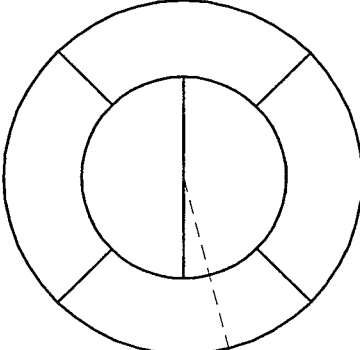
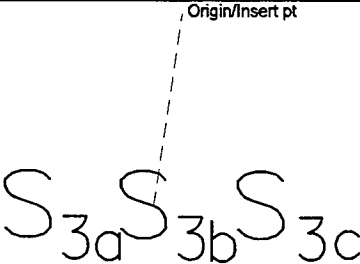
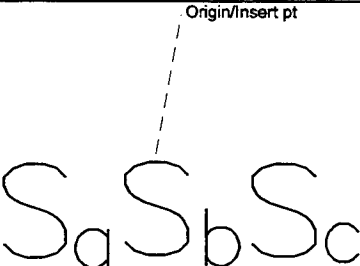
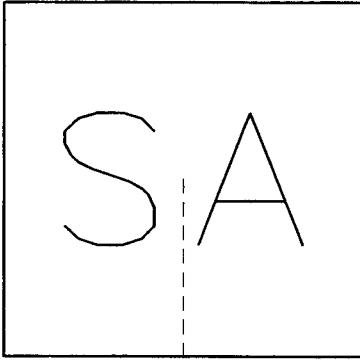
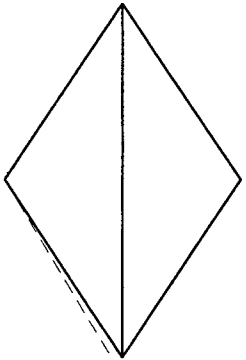
		
Electrical:HRUN2 HOME RUN 2 Element type: Symbol	Electrical:HRUN3 HOME RUN 3 Element type: Symbol	Electrical:JNBX EXTERIOR UTIL JUNCTION BOX Element type: Symbol
		
Electrical:JNBXWM JUNCTION BOX WALL MT Element type: Symbol	Electrical:KNR KEYED NOTE REFERENCE Element type: Symbol	Electrical:KNRM KEYED NOT MULTIPLE Element type: Symbol
		
Electrical:LEADER LEADER LINE Element type: Symbol	Electrical:LITEBR EMRGNCYBTTRY PWRLGHTREMOT Element type: Symbol	Electrical:LTPLN LIGHT POLE_NEW Element type: Symbol

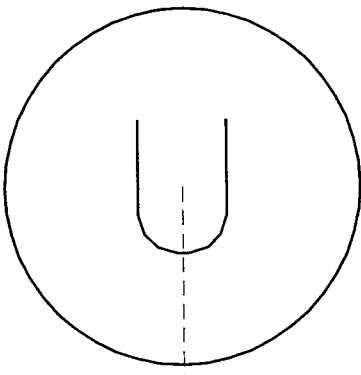
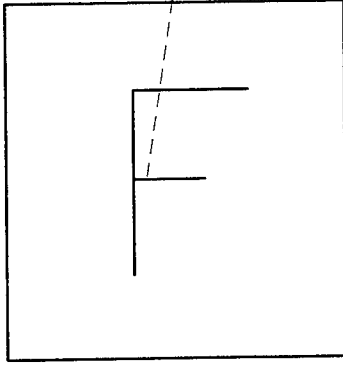
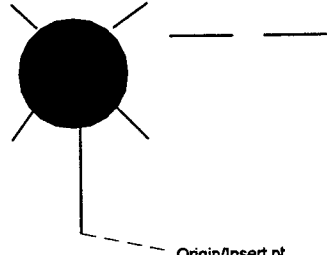
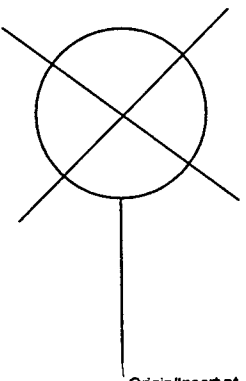
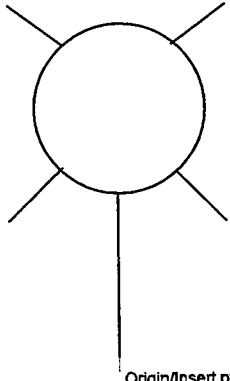
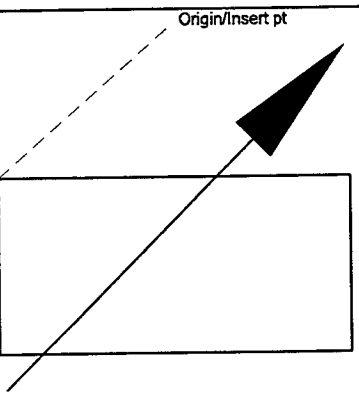
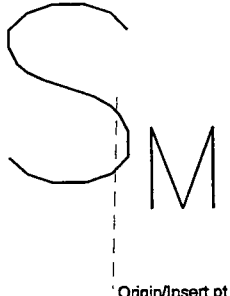
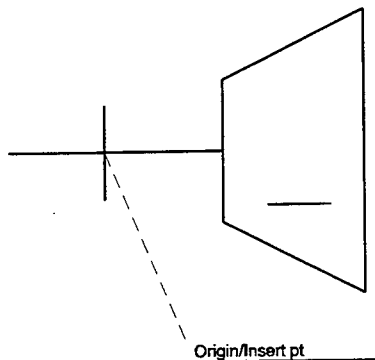
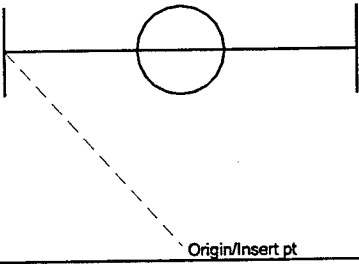
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Electrical:LTPLR LIGHT POLE_REMOVE Element type: Symbol	Electrical:LTPLX LIGHT POLE_EXISTING Element type: Symbol	Electrical:LTSTRN STREET LITE BRACKET_NEW Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Electrical:LTSTRR STREET LITE BRACKET_REMOVE Element type: Symbol	Electrical:LTSTRX STREET LITE BRACKET_EXIST Element type: Symbol	Electrical:METREL ELECTRICAL METER Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Electrical:MICROW OUTDOOR MICROWAVE XMIT UNT Element type: Symbol	Electrical:MOTRHP MOTOR HP Element type: Symbol	Electrical:OBSTRL OBSTRUCTION LIGHT Element type: Symbol

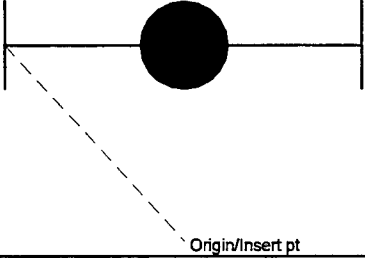
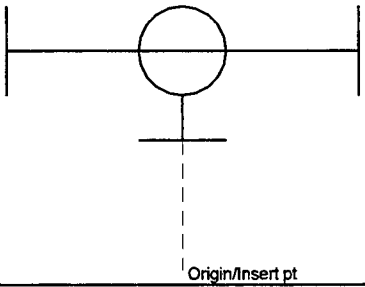
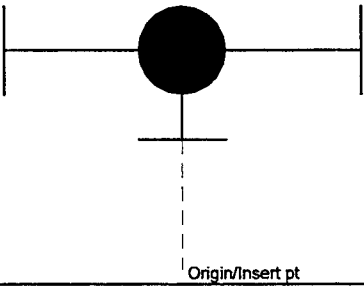
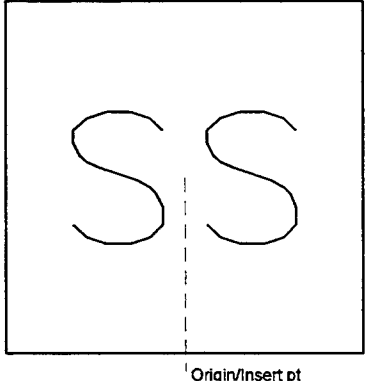
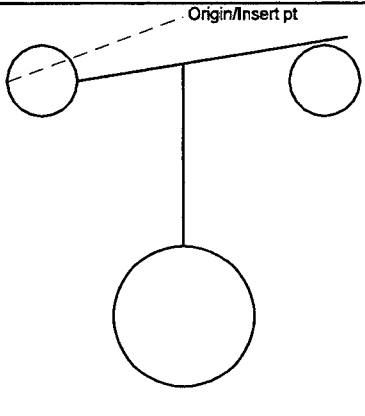
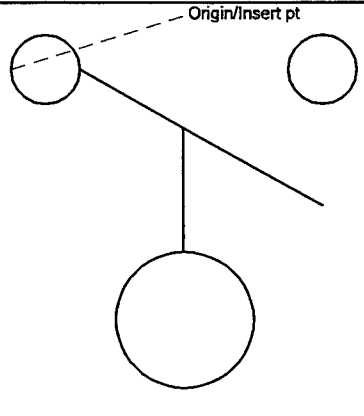
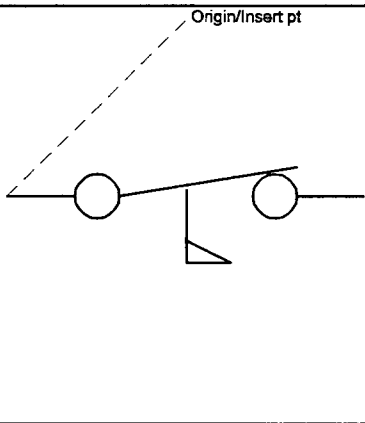
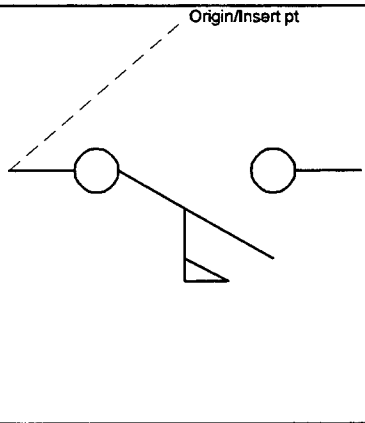
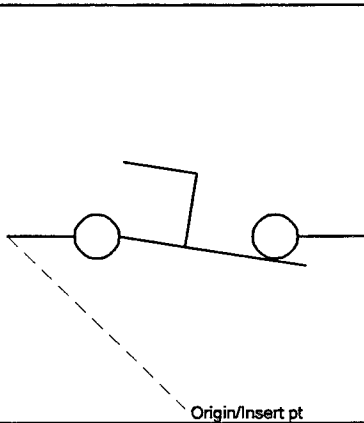
		
Electrical:PAPI PAPI LIGHT UNIT Element type: Symbol	Electrical:PBPMC FLUSH MNTD PANELBRD CABINET Element type: Symbol	Electrical:PBSMC SURFACE MNTD PANELBRD CAB Element type: Symbol
		
Electrical:PHOTO PHOTOELECTRIC RELAY Element type: Symbol	Electrical:POLEAR AERIAL POLE W GUYING Element type: Symbol	Electrical:POLEID POLE IDENT. SYMBOL Element type: Symbol
		
Electrical:PSHST1 ONE PUSHBUTTON STATION Element type: Symbol	Electrical:PSHST2 TWO PUSHBUTTON STATION Element type: Symbol	Electrical:PSHST3 THREE PUSHBUTTON STATION Element type: Symbol

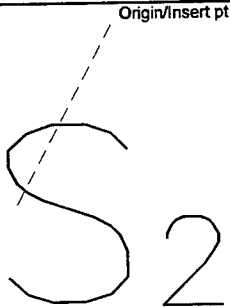
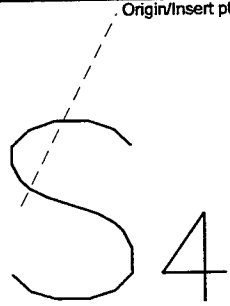
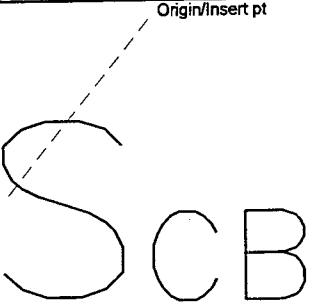
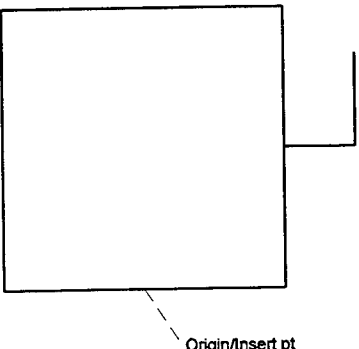
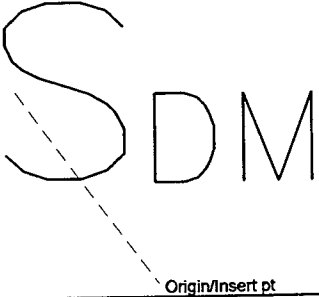
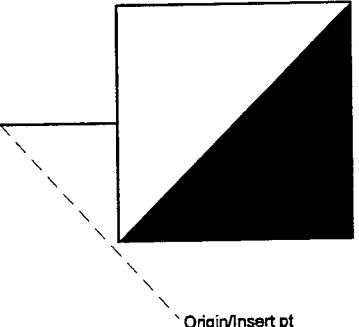
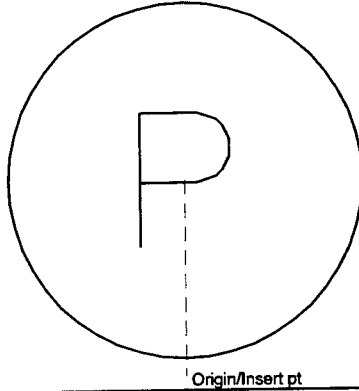
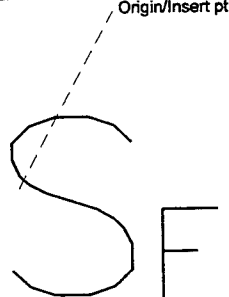
		
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Electrical:RECDFM DOUBLEFLUSHMOUNTFLOOROUTLET Element type: Symbol	Electrical:RECDSM DOUBLESURFMOUNTFLOOROUTLET Element type: Symbol	Electrical:RECDUP DUPLEX RECEPTACLE Element type: Symbol
		
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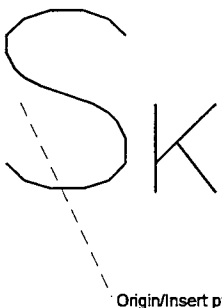
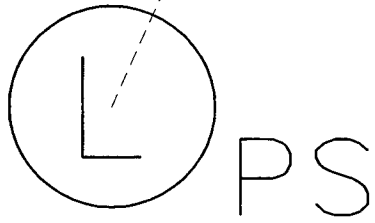
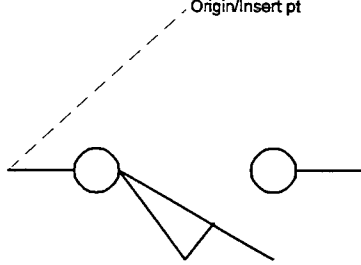
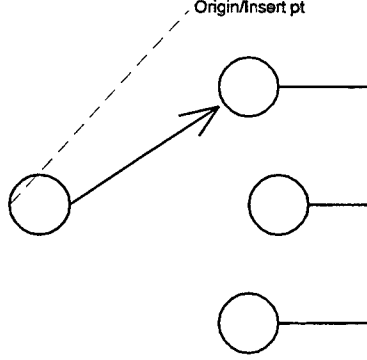
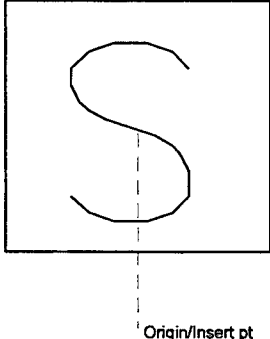
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Electrical: RECSIN SINGLE RECEPTACLE Element type: Symbol	Electrical: RECSNS SNGL RECEPTACLE WITH SWITCH Element type: Symbol	Electrical: RECSPR SPECIAL PURPOSE RECEPTACLE Element type: Symbol
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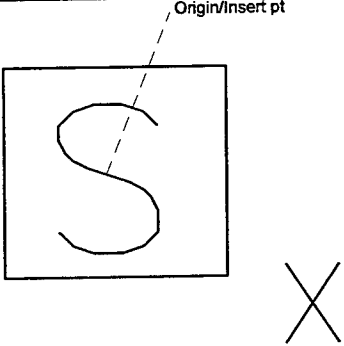
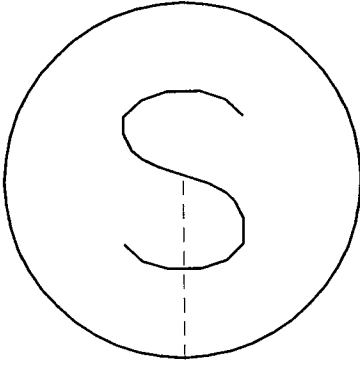
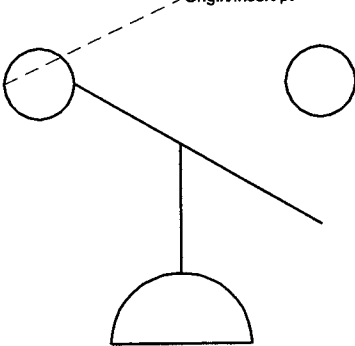
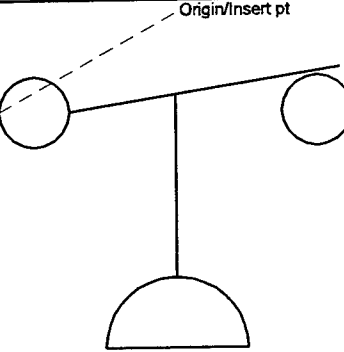
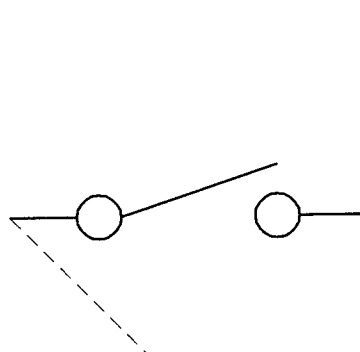
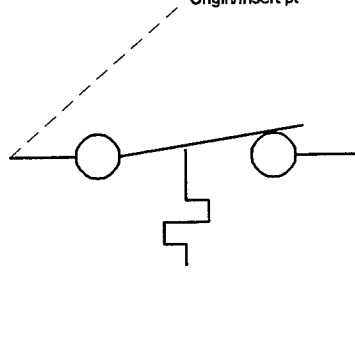
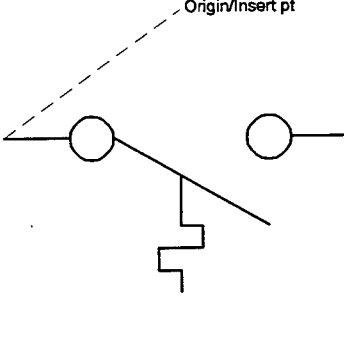
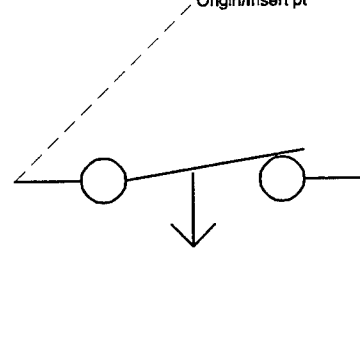
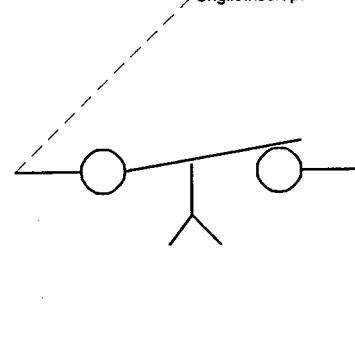
		
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Electrical: RWLEL RW EDGE LIGHT_ELEVATED Element type: Symbol	Electrical: RWLSF RW EDGE LIGHT_SEMIFLUSH Element type: Symbol	Electrical: S3ABC 3 THREE WAY SWITCHES Element type: Symbol
		
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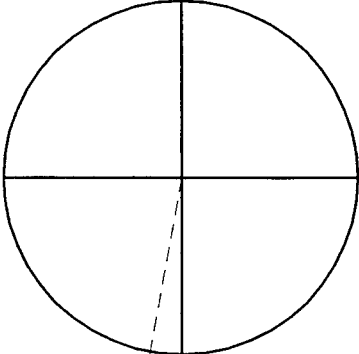
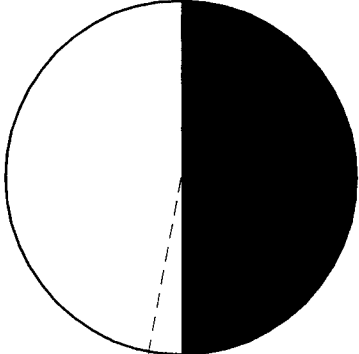
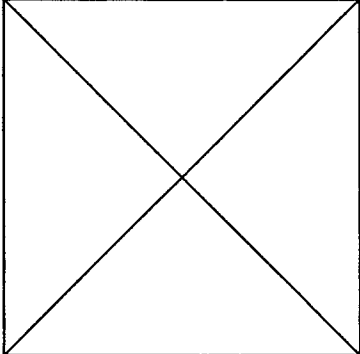
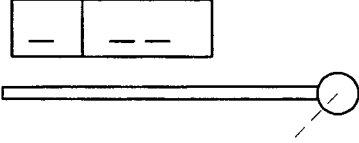
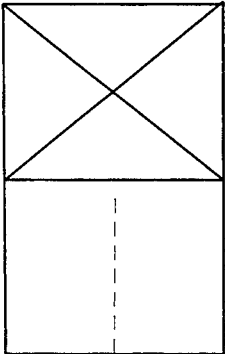
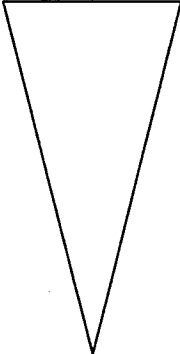
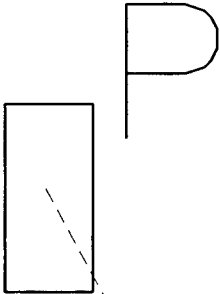
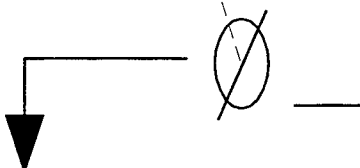
		
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Electrical: SLLR STLTL LUMINAIRE_REMOVE Element type: Symbol	Electrical: SLLX STLTL LUMINAIRE_EXISTING Element type: Symbol	Electrical: SLREG CONSTNT CURRENT TRANSFORMER Element type: Symbol
		
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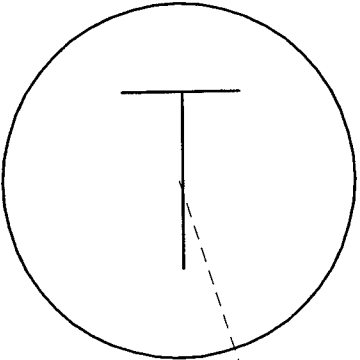
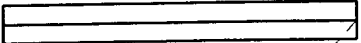
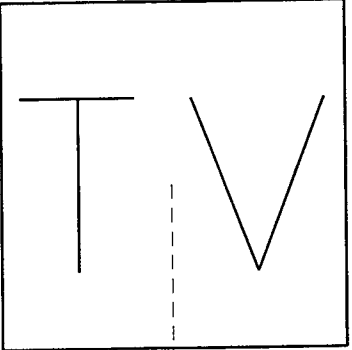
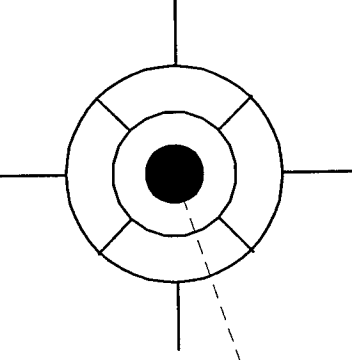
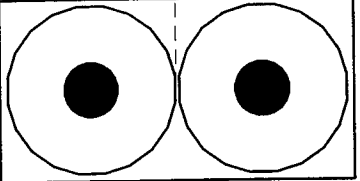
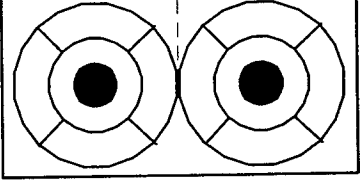
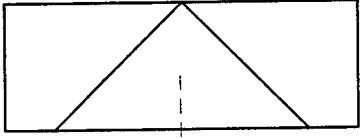
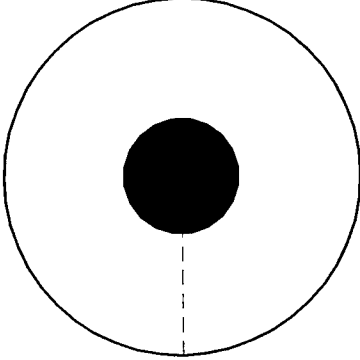
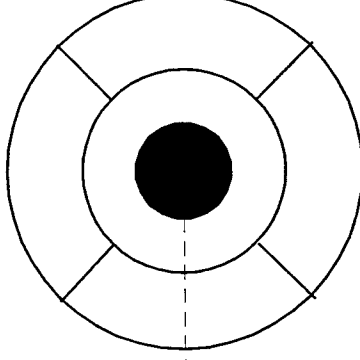
		
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Electrical: SUBSTA SUBSTATION Element type: Symbol	Electrical: SWFLNC NORMALLY CLOSED FLOAT SWITCH Element type: Symbol	Electrical: SWFLNO NORMALLY OPEN FLOAT SWITCH Element type: Symbol
		
Electrical: SWFNC NORMALLY CLOSED FLOW SWITCH Element type: Symbol	Electrical: SWFNO NORMALLY OPEN FLOW SWITCH Element type: Symbol	Electrical: SWFONC NORM CLSD FOOT OPRTD SWITCH Element type: Symbol

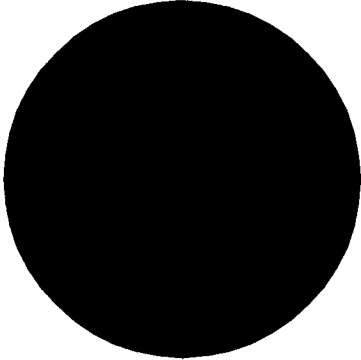
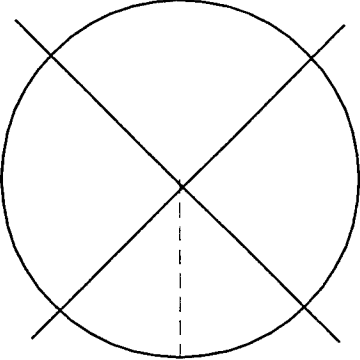
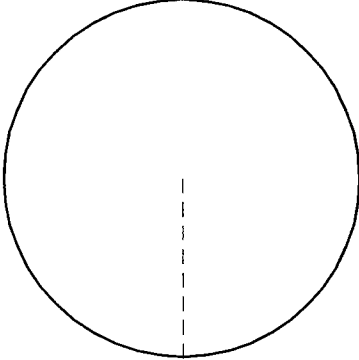
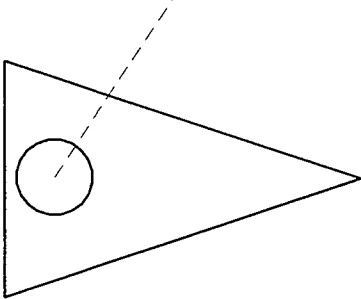
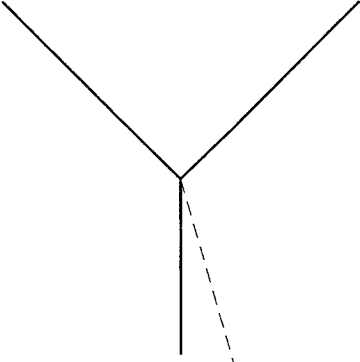
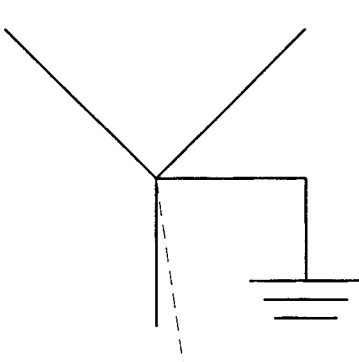
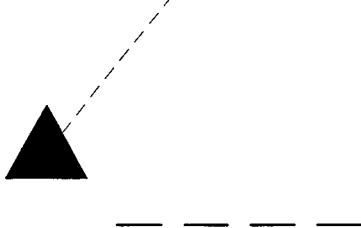
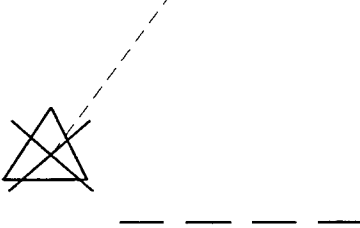
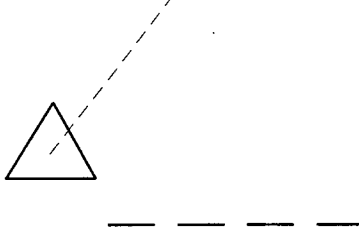
		
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Electrical: SWICB CIRCUIT BREAKER Element type: Symbol	Electrical: SWIDIS DISCONNECT SWITCH Element type: Symbol	Electrical: SWIDM1 DIMMER Element type: Symbol
		
Electrical: SWIDM2 DIMMER SWITCH Element type: Symbol	Electrical: SWIDUR DURESS SWITCH Element type: Symbol	Electrical: SWIFUS FUSED SWITCH Element type: Symbol

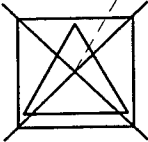
		
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Electrical:SWTIM TIMER OPERATED SWITCH Element type: Symbol	Electrical:SWLAMP LAMP HOLDER POLE SWITCH Element type: Symbol	Electrical:SWLNC NORMALLY CLOSED LIMIT SWITCH Element type: Symbol
		
Electrical:SWLNO NORMALLY OPEN LIMIT SWITCH Element type: Symbol	Electrical:SWMULT MULTIPOSITION SWITCH Element type: Symbol	Electrical:SWPADN SWITCH_PAD_NEW Element type: Symbol

		
Electrical:SWPADX SWITCH_PAD_EXIST Element type: Symbol	Electrical:SWPCM CEILING MOUNTED PULL SWITCH Element type: Symbol	Electrical:SWPCOI PRES SWITCH CLSE ON INCREASE Element type: Symbol
		
Electrical:SWPOOI PRESS SWITCH OPN ON INCREASE Element type: Symbol	Electrical:SWSBRK SINGLE BREAK SWITCH Element type: Symbol	Electrical:SWTANC NORMCLSDTEMPACTIVATEDSWTCH Element type: Symbol
		
Electrical:SWTANO NORMOPNTEMPACTIVATEDSWTCH Element type: Symbol	Electrical:SWTDNC NORM CLSD TIME DELAY SWITCH Element type: Symbol	Electrical:SWTDNO NORM OPEN TIME DELAY SWITCH Element type: Symbol

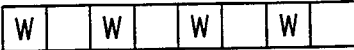
		
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Electrical:TRFSIG TRAFFIC SIGNAL MAST ARM Element type: Symbol	Electrical:TSCTRL TR SIGNAL CONTROLLER Element type: Symbol	Electrical:TSHEAD TRAFFIC SIGNAL HEAD Element type: Symbol
		
Electrical:TSPBX TR SIGNAL PULLBOX Element type: Symbol	Electrical:TSPHS TR SIGNAL PH NO_THRU Element type: Symbol	Electrical:TSPHT TR SIGNAL PH NO_TURN Element type: Symbol

		
Electrical: TSTAT THERMOSTAT Element type: Symbol	Electrical: TSVLDT TR SIGNAL VEH LOOP DETECTOR Element type: Symbol	Electrical: TVOUT TELEVISION OUTLET Element type: Symbol
		
Electrical: TWCLL TW CENTERLINE LIGHT Element type: Symbol	Electrical: TWELEL TW END LIGHT ELEVATED Element type: Symbol	Electrical: TWELSF TW END LIGHT SEMIFLUSH Element type: Symbol
		
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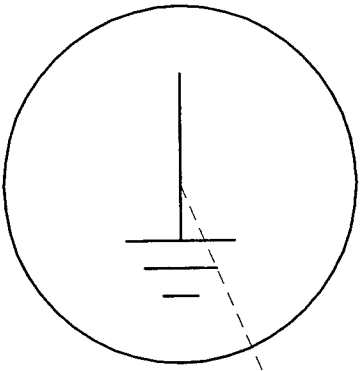
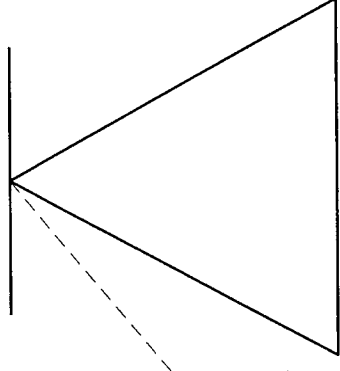
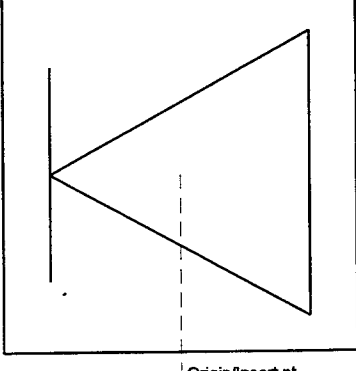
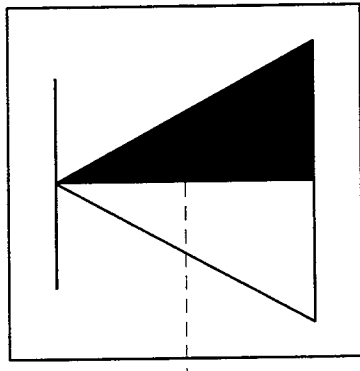
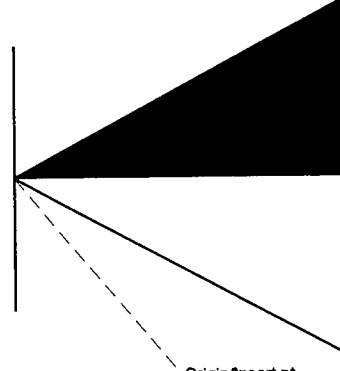
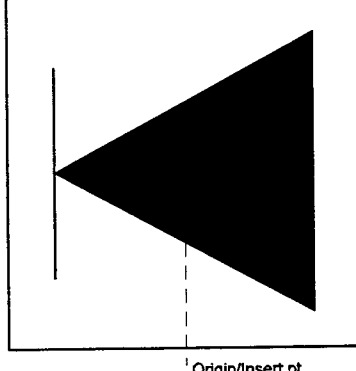
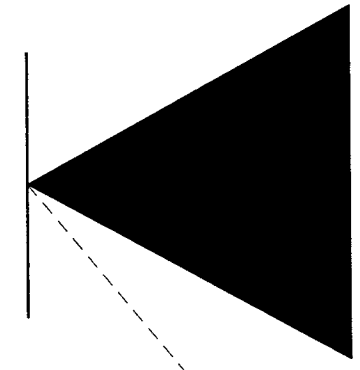
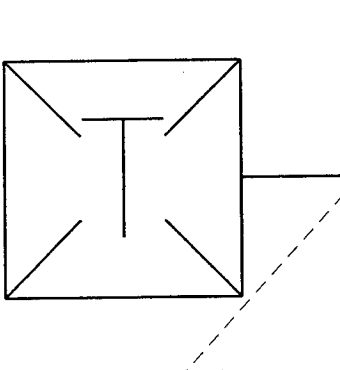
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 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Electrical:WINDCN WINDCONE Element type: Symbol	Electrical:WYECON XFMR WYE CONNECTION Element type: Symbol	Electrical:WYEXGC XFMR GROUNDED CONNECTION Element type: Symbol
 Origin/Insert pt	 Origin/Insert pt	 Origin/Insert pt
Electrical:XFRPLN XFMR_POLE_NEW Element type: Symbol	Electrical:XFRPLR XFMR_POLE_REMOVE Element type: Symbol	Electrical:XFRPLX XFMR_POLE_EXIST Element type: Symbol

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14 Telecommunications Lines Library

	
Telecommunications: FIBOPT FIBER OPTICS LINE Element type: Line	Telecommunications: WIREWY WIREWAY Element type: Line

14 Telecommunications Symbols Library

		
Telecommunications: GRDROD GROUNDING ROD Element type: Symbol	Telecommunications: RECDC DATACOMM WALL RECEPTACLE Element type: Symbol	Telecommunications: RECDCF DATACOMM FLOOR RECEPTACLE Element type: Symbol
		
Telecommunications: RECTDF TELEPHONE DATA FLOOR RECPTL Element type: Symbol	Telecommunications: RECTDW TELEPHONE DATA WALL RECPTL Element type: Symbol	Telecommunications: RECTEF TELEPHONE FLOOR RECEPTACLE Element type: Symbol
		
Telecommunications: RECTEL TELEPHONE WALL RECEPTACLE Element type: Symbol	Telecommunications: TBOOTH TELEPHONE BOOTH Element type: Symbol	

REPORT DOCUMENTATION PAGE				<i>Form Approved</i> OMB No. 0704-0188	
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				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S) The CADD/GIS Technology Center				5d. PROJECT NUMBER	
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				5f. WORK UNIT NUMBER	
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14. ABSTRACT The "A/E/C CADD Standard Manual" has been developed by the CADD/GIS Technology Center (CGTC) to reduce redundant CADD standardization efforts within the Army, Navy, and Air Force. The manual is part of an initiative to consolidate existing CADD drafting standards and to develop data standards that address the entire life-cycle of facilities within the Department of Defense Tri-Service. The CADD drafting standards addressed in the "A/E/C CADD Standard Manual" include presentation graphics, level/layer assignments, metric/English scales, electronic file naming, and standard symbology. As the manual evolves, it will also include nongraphic database standards that address issues such as cost engineering and specification generation. The CGTC's primary goal is to develop a CADD standard that is generic enough to operate under various CADD software packages (such as Intergraph's MicroStation and Autodesk's AutoCAD) and incorporate existing industry standards when possible.					
15. SUBJECT TERMS A/E/C CADD			CADD standards Drafting standards		
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES 284	19a. NAME OF RESPONSIBLE PERSON
a. REPORT UNCLASSIFIED	b. ABSTRACT UNCLASSIFIED	c. THIS PAGE UNCLASSIFIED			19b. TELEPHONE NUMBER (include area code)