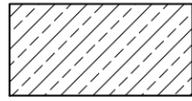


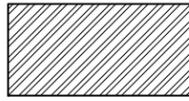
METAL PATTERNS



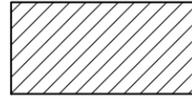
ALUMINUM (IBWC)
Aluminum



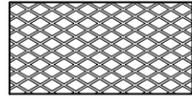
BRASS (AC)
Copper, Brass, or Bronze



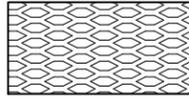
STEEL (AC)
Steel



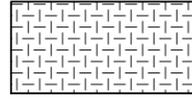
ANSI131 (AC)
Cast Iron, Iron, or Semi-Steel



EXPANDED (IBWC)
Expanded Metal Grates or Rungs



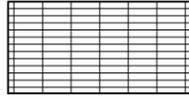
PERFORATED (IBWC)
Perforated Metal Grates or Rungs



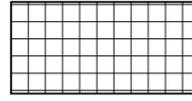
D-PLATE (IBWC)
Diamond Plate



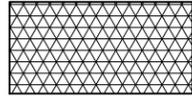
D-TREAD (IBWC)
Diamond Tread



GRATE (AC)
Rectangular Grating

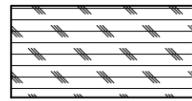


NET (AC)
Wire Mesh

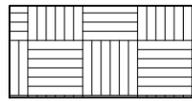


NET3 (AC)
Woven Wire Fencing

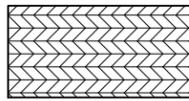
WOOD PATTERNS



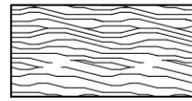
CORK (AC)
Cork



AR-PARQ1 (AC)
Wood Flooring



PLYWOOD (IBWC)
Plywood



WOOD1 (IBWC)
Finished Wood

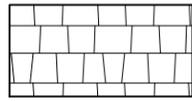


WOOD2 (IBWC)
Finished Wood

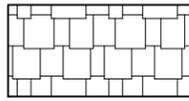
ARCHITECTURAL PATTERNS



AR-ROOF (AC)
Asphalt Shingles



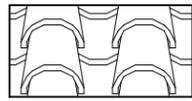
ROOFING (IBWC)
Shingles



SHAKES (IBWC)
Shake Roof Tiles



SIDING (IBWC)
Wood Siding

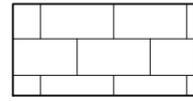


SPANISH (IBWC)
Spanish Roof Tiles

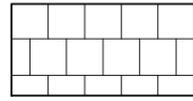


GOST-GLASS (AC)
Glass

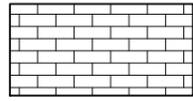
GRAVEL, ROCK, & BRICK PATTERNS



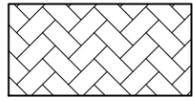
AR-B816 (AC)
8"x16" CMUs



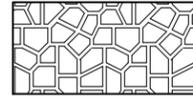
AR-B88 (AC)
8"x8" CMUs



AR-BRSTD (AC)
Standard bricks



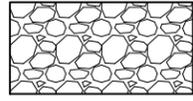
AR-HBONE (AC)
Paving stones



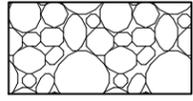
FLAGSTONE (IBWC)
Flagstone



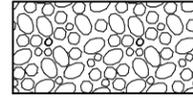
AR-SAND (AC)
Sand



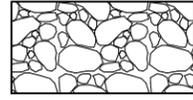
GRAVEL (AC)
Gravel or rock type 1



IMPERVIOUS (IBWC)
Gravel or rock type 2

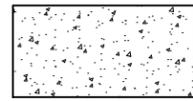


POROUS (IBWC)
Gravel or rock type 3

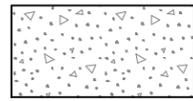


RIPRAP (IBWC)
Riprap

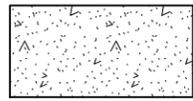
CONCRETE PATTERNS



AR-CONC (AC)
New concrete

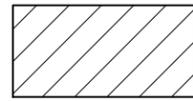


CONCRETE (IBWC)
Existing concrete

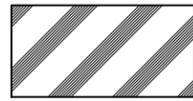


GROUT (IBWC)
Grout or concrete in secondary placement

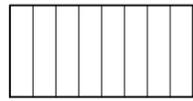
USCS PATTERNS



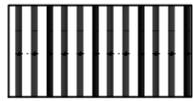
USCS02 (IBWC)
CL-Low Plasticity Clay



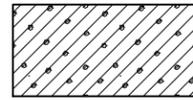
USCS01 (IBWC)
CH-High Plasticity Clay



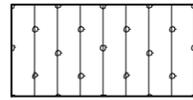
USCS08 (IBWC)
ML-Low Plasticity Silt



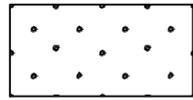
USCS07 (IBWC)
MH-High Plasticity Silt



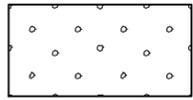
USCS12 (IBWC)
SC-Clayey Sand



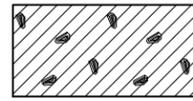
USCS13 (IBWC)
SM-Silty Sand



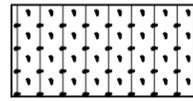
USCS14 (IBWC)
SP-Poorly Graded Sand



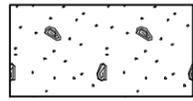
USCS15 (IBWC)
SW-Well Graded Sand



USCS03 (IBWC)
GC-Clayey Gravel



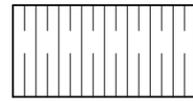
USCS04 (IBWC)
GM-Silty Gravel



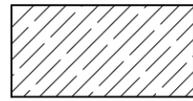
USCS05 (IBWC)
GP-Poorly Graded Gravel



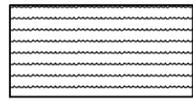
USCS06 (IBWC)
GW-Well Graded Gravel



USCS10 (IBWC)
OL-Low Plasticity Organic Silt

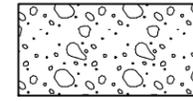


USCS09 (IBWC)
OH-High Plasticity Organic Silt

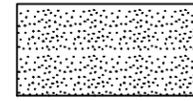


USCS11 (IBWC)
PT-Peat

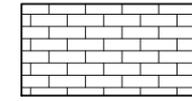
GEOLOGY PATTERNS



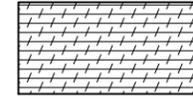
CONGLOMERATE (IBWC)
Conglomerate



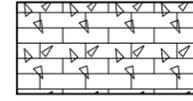
SANDSTONE (IBWC)
Sandstone



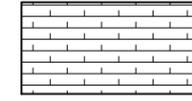
AR-BRSTD (AC)
Limestone



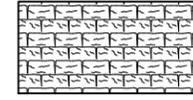
DOLOMITE (IBWC)
Dolomite



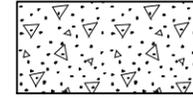
CHERT (IBWC)
Cherty Limestone



CHALK (IBWC)
Chalk or Marl



A-LIMESTONE (IBWC)
Clayey, Shaley, or Argillaceous Limestone



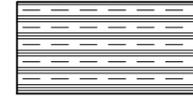
GRAYWACKE (IBWC)
Graywacke



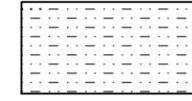
ANSI36 (AC)
Shale



ANSI33 (AC)
Sandy Shale



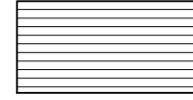
CLAY (AC)
Clay



MUDST (AC)
Mudstone or Siltstone



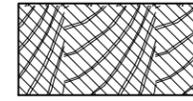
COAL (IBWC)
Coal



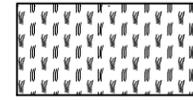
LINE (AC)
Carbonaceous Shale



BRECCIA (IBWC)
Breccia



SLATE (IBWC)
Slate



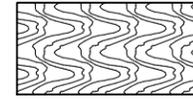
SOAPSTONE (IBWC)
Soapstone



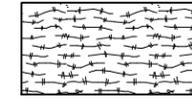
GNEISS (IBWC)
Gneiss



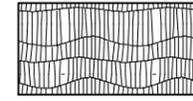
SCHIST (IBWC)
Schist



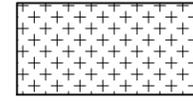
C-SCHIST (IBWC)
Contorted Schist



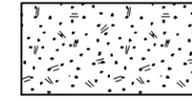
ANDESITE (IBWC)
Andesite



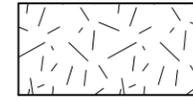
BASALT (IBWC)
Basalt



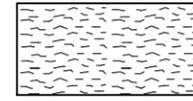
DIORITE (IBWC)
Diorite



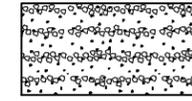
GABBRO (IBWC)
Gabbro



GRANITE (IBWC)
Granite

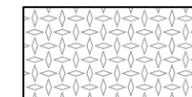


RHYOLITE (IBWC)
Rhyolite



TUFF (IBWC)
Tuff

LEGEND



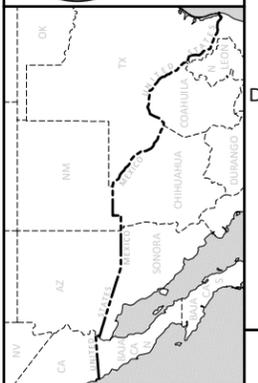
HATCH PATTERN NAME
(AC) = AutoCAD system pattern
(IBWC) = IBWC provided pattern
HATCH DESCRIPTION

NOTES:

- These are examples of USIBWC standard hatch patterns.
- See USIBWC Drawing and CAD Standards for complete guidelines on creating drawings for USIBWC projects.
- IBWC pattern definitions contained in file IBWC_Patterns.pat.



International Boundary & Water Commission
United States Section



INTERNATIONAL BOUNDARY AND WATER COMMISSION
UNITED STATES AND MEXICO
UNITED STATES SECTION
FOR USE ON ALL USIBWC PROJECTS
STANDARD DRAWING
DRAWING LAYOUTS

STANDARD DRAWING

DESIGNED
DRAWN
CHECKED
TECHNICAL APPROVAL
ADMIN APPROVAL
USIBWC HQ-ESD 04-03-2018

HATCH PATTERNS
SOLICITATION/RFP NUMBER
N/A
CONTRACT NUMBER
N/A
26442