# LEGEND

**METRIC · HEIGHTS IN METRES**

Every symbol on T.REX ARMS print sheets, drawn at 1:25,000 and 1:24,000 size from the same style as the maps. 1:50,000 and 1:48,000 sheets draw lines and symbols 15% smaller, text unchanged; 1:15,000 sheets use these sizes. Heights, depths and contours in metres; the MGRS grid and the romers are metric on every sheet.

EQUIPPING SERIOUS CITIZENS

## TERRAIN

Shading: hillshade, lit from the north-west.

- Contours: index (every 5th, numbered) and intermediate. Interval per sheet, in the collar.
- Peak, with name and height (m); hilltop height, main summit bold; road junction height — Bald Knob 1104 · 214 · 312
- Saddle, pass
- Pine Ridge — Terrain name: ridge, gap, valley (GNIS)
- Mill Bay — Bay, channel, rapids (GNIS)

## COVER

- Woods: deciduous or mixed
- Woods: evergreen
- Wooded swamp; tidal flat, mangrove
- Wetland, marsh
- Sand, beach
- Bare rock, scree
- Glacier, snow
- Flood zone edge: 1% annual chance (FEMA)
- Regulatory floodway (FEMA)
- City: industrial
- City: commercial
- City: institutional
- City: park
- City: woods
- Military area
- National Guard
- Cemetery
- Quarry / Landfill — Quarry, landfill
- Dam

## WATER

- Lake, river, perennial stream: blue tint in the shading
- Stream flow arrow
- Intermittent stream, ditch, drain, with flow arrow
- River flow arrow
- Duck River — River name
- Lake Ada — Lake name
- Sea: teal in the shading, darker with depth
- 10 — Depth contour, depth (m)
- Light
- Buoy
- Beacon
- Wreck
- Rock, obstruction
- 4.6 — Sounding, depth (m)

## TRANSPORT

- Motorway, freeway
- Trunk road, primary road

## TRANSPORT (CONT.)

- Secondary road
- Tertiary road
- Minor, residential road
- Service road, driveway
- Unpaved road (white dashes)
- Bridge
- Tunnel
- Ferry route
- Main St — Road name
- Track: 4WD, forest road
- Path, trail
- Track, path: no public access
- Ridge Trl — Trail name
- Gate, barrier
- Rail Yard — Railway; yard and siding tracks; rail yard (named on 1:25k and 1:15k sheets)
- 1524m — Runway, with length (m)
- Taxiway
- Airport
- Helipad
- 40 · 440 · 70 · 231 · SR 50 — Interstate, US route, other route
- 148 — Motorway exit number

## STRUCTURES

- Buildings, true size and shape; built-up tint over dense town cores (1:50k)
- Large building, grey inside: from 5,000 m² (1:50k 20,000 m²; 1:15k 2,000 m²)
- 61m — Tower, mast: height above ground (m)
- VZW 91m — Cell tower: carrier, height above ground (m)
- W0DR 145.47 — Radio repeater: callsign,
- 75m — Height above ground (m), FAA obstacles; 1:50k sheets from 60 m
- Stack, cooling tower
- Tank, refinery
- Silo, grain elevator
- Wind turbine
- Crane (temporary)
- Dam (obstacle)
- Oil rig, platform
- Solar farm
- Other obstacle (FAA)
- Utility pole — not on 1:50k sheets
- Power line, 115 kV and over
- Power line, under 115 kV
- 120m — Pylon; height shown from 60 m (1:50k 100 m)
- Substation — Substation
- Power Plant — Power plant
- Pipeline (faded: underground)
- Fence 1:15k sheets only
- Wall 1:15k sheets only

## STRUCTURES (CONT.)

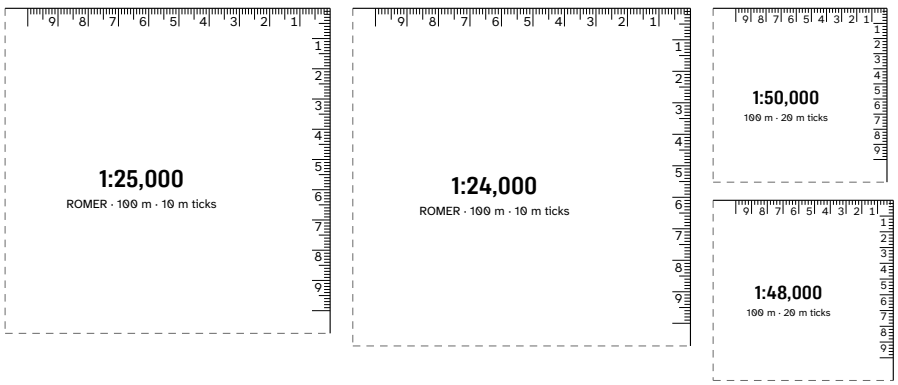
- Hedge 1:15k sheets only
- Guard rail, berm 1:15k sheets only

## PLACES

- CITY — City
- Town — Town
- Village — Village, suburb
- Hamlet — Hamlet, neighbourhood
- Locality — Locality, isolated dwelling
- Church
- Synagogue
- Mosque
- Other worship
- Fire station
- Police
- Hospital
- Clinic, doctor
- School
- College
- Post office
- Courthouse, town hall
- Prison
- Campground
- Cabin, shelter, hut
- Monument, ruins
- Marina, harbour
- Drinking water
- Viewpoint
- Fuel
- Guidepost
- Picnic site
- Water tower
- Spring
- Waterfall
- Trailhead
- Cave entrance
- Mine, adit
- Other landmark
- KNOB 312 — Triangulation station, height (m)
- × BM 140 — Benchmark, height (m) not on 1:50k sheets
- Survey landmark (NGS): its object's icon
- 1204 — House number 1:15k sheets only
- Park, public land: band inside the boundary
- Protected land closed to the public
- Easement; protected land, access limited or unknown
- Cedar Forest — Park, protected land name
- UNITED STATES · CANADA — National boundary, country names
- TENNESSEE · ALABAMA — State, province boundary, names
- HICKMAN · DICKSON — County boundary, names
- City, town limit

## GRID

- MGRS 1 km grid line, 100 m ticks




100 mm — print at Actual size / 100 %. If this bar is not 100 mm, the romers are wrong.

### READING A GRID REFERENCE

Read right, then up. The sheet's SW corner names the grid zone and 100 km square (16S DE); the numbers on the edges name the 1 km lines. Easting: the line west of the point; northing: the line south of it. Put a romer's corner on the point, edges along the grid, and read where those two lines cross its scales. Lines 32 and 66, romer 740 m and 410 m: 16S DE 327 664 to 100 m, 16S DE 3274 6641 to 10 m. Use the romer for the sheet's scale.

### GRID–MAGNETIC ANGLE

Each sheet's collar gives the G–M angle: from grid north (the grid lines) to magnetic north (the compass needle), in degrees, east or west, with its change per year. Map to compass (grid to magnetic azimuth): subtract an easterly angle, add a westerly one. Compass to map: add easterly, subtract westerly.

### ROMERS

Cut along the dashed lines. The top and right edges are the scales and the corner goes on the point. A protractor romer does the same job, more durably.