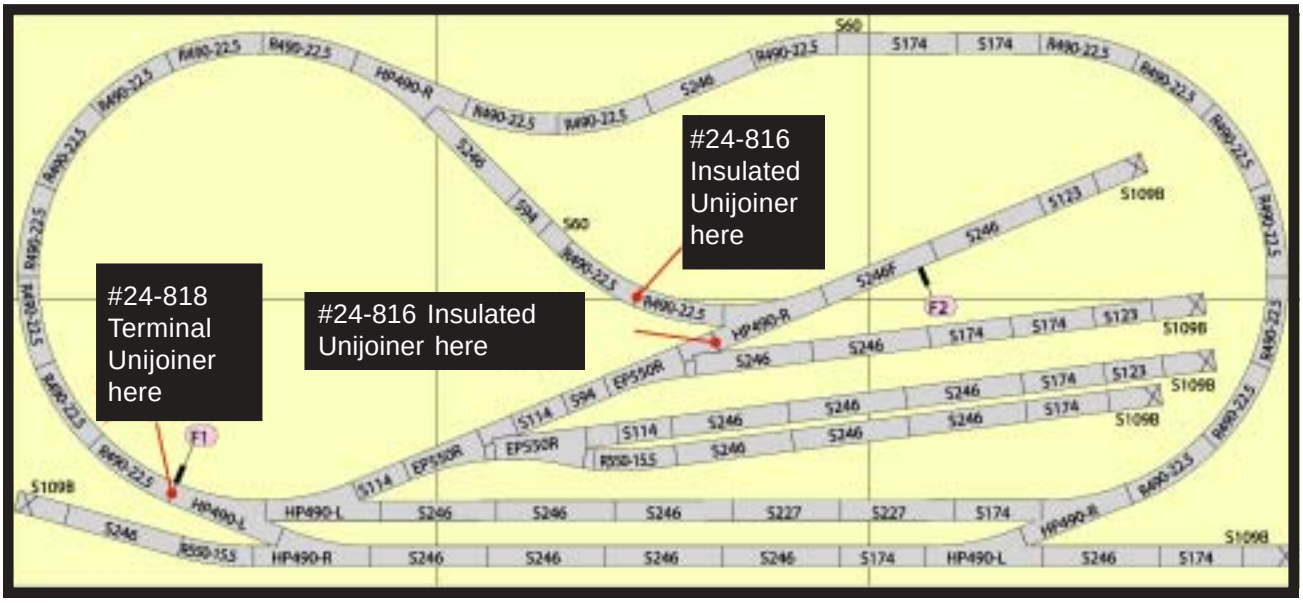
KATO UNITRACK

# HO Plan 9




HO Plan 9 is an interesting layout if for no other reason than the train is able to enter the inside yard from the "top" of the layout and exit from the yard at the "bottom" of the layout. This is achieved through the proper use and placement of the additional Feeder Track F2 and the Insulated Unijoiners.

However, please note that while it is "interesting," a "reversing loop" does require additional wiring by the hobbyist. (You should have a good knowledge of basic wiring and understanding of the concept of polarity to build and operate this layout. If you do not, then you probably will not enjoy this layout.) In this instance, the F2 Feeder Track will need to be connected to a reverse switch -- you could use KATO #24-832 Reversing Switch or a switch by another manufacturer. The reverse switch would then be connected to your power pack.

Also, your train length can not exceed the length of the spur. The train or locomotive enters the spur, travels beyond the entry turnout, stops while the reversing switch is thrown and then travels through the exit turnout.

In addition to the nice inside yard, the plan also features a passing siding and two short spur tracks. The spur tracks are probably too short for any real operation but they could add plenty of interest to your scene if a lonely piece of rolling stock is set out on them or adjacent to a trackside warehouse. You could also choose to eliminate the Bumper from the end of each spur, extend the track to the very edge of the table (it may be necessary to cut the track section to fit ideally), and explain this trackage as connecting to a larger operation beyond the edge of your table.

| Item #: | Description: | Qty: |
|---|---|---|
| #3-103 | HO UNITRACK WGH Plan Set | 1 set |
| #2-105 | 60mm Straight Track | 2 pcs |
| #2-111 | 94mm Straight Track | 2 pcs |
| #2-130 | 174mm Straight Track | 4 pcs |
| #2-150 | 246mm Straight Track | 16 pcs |
| #2-160 | 227mm Straight Track | 2 pcs |
| #2-170 | 109mm Bumper Track | 4 pcs |
| #2-841 | R490 Manual Turnout Right | 2 pcs |
| #2-851 | #4 Electric Turnout Right | 3 pcs |
| #24-816 | Insulated Unijoiner | 1 pc |
| #24-818 | Terminal Unijoiner | 4 pcs |

If you want to operate the turnouts electrically:

| | | |
|---|---|---|
| #2-503 | DC Turnout Machine Left | 3 pcs |
| #2-504 | DC Turnout Machine Right | 4 pcs |
| #24-840 | Turnout Control Switch | 10 pcs |
| #24-842 | DC Converter (not required if using #22-014 KATO Power Pack) | 1 pc |

Some track sold in multi-piece packages. You may have some "left-over" pieces after constructing of layout as drawn.

As drawn, the layout is approximately 3'-8" wide by 8'-8" long. An overall table size of at least 4'-0" X 9'-0" is recommended.

The R490 Manual Turnouts could be operated electrically from a central command station with the addition of the #2-503/504 DC Turnout Machine, #24-840 Turnout Control Switch and a #24-842 DC Converter. Please note that the number of control switches is greater than number of turnouts in list since the #3-103 set includes (4) R490 Manual Turnouts.

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# HO Plan 9 Expanded View

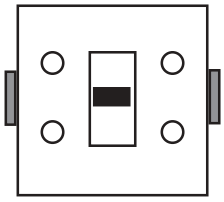
The #22-014 KATO Power Pack for *UNITRACK* is recommended for use with this layout.


**Representative layout drawing.**
"Bridge" is a modeled platform only with UNITRACK section laying over platform.

**Representative illustration of KATO #24-832 Reversing Switch.**
Additional wiring and knowledge of wiring required of hobbyist.

**Power In** from Power Pack >

When switch is set to center of range, power is OFF



< **BLUE** = Polarity is same as Power In

< **Power Out** to Feeder Track

< **WHITE** = Polarity is reverse of Power In

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