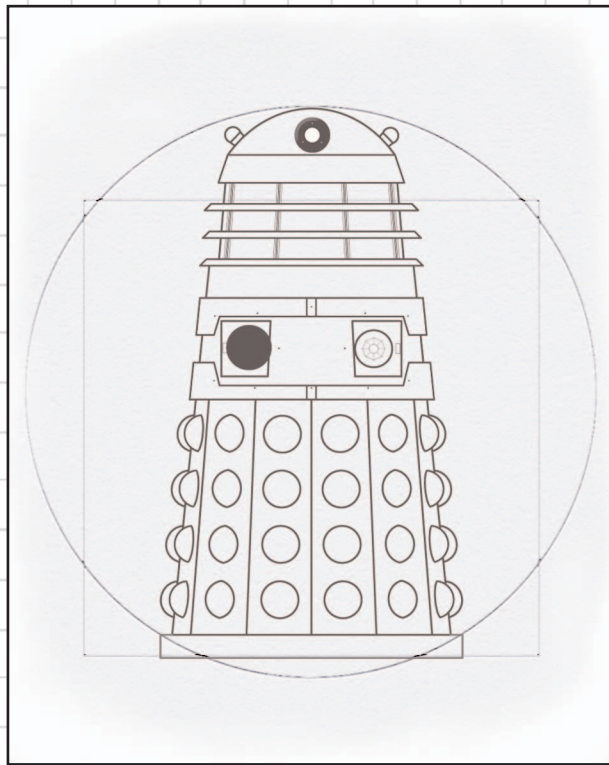

DALEK



Shawcraft TV Dalek
Mk 1, 2, 3

*The "Shawcraft TV Dalek" plans by Malcolm Lear
including additional schematics and design by John Darley,*

Revision 2.2, April 2010

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www.projectdalek.co.uk

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...INTRODUCTION...

In the autumn of 2001 Malcom Lear released a set of Dalek plans detailing the dimensions he'd deduced for the early Shawcraft TV Daleks. At the time, they were the most complete and accurate plans available for download. They were released online to a warm reception from the growing number of Dalek enthusiasts and builders who were beginning to use the internet as a means of swapping information and ideas. They appeared on both Yahoo and MSN groups, on versions of the (now defunct) Dalek Builders Club and Dalek Builders Guild.

By spring 2002 the plans had undergone a number of minor adjustments and (by popular demand) were also included in the "Dalek Builder's Workshop Manual" available from Project Dalek. This version was to become known as 'revision one' and remained the most up-to-date version until summer 2004 when Malcolm revised the plans, tweaking the overall shape. The plans in the "Workshop Manual" were duly updated and skirt panel layouts/hemisphere positions were also added. That version of the plans became known as 'revision two.'

Up until now, the plans have only ever given details of the early "Dead Planet" style Daleks and the later style Daleks which feature mesh and slats around their

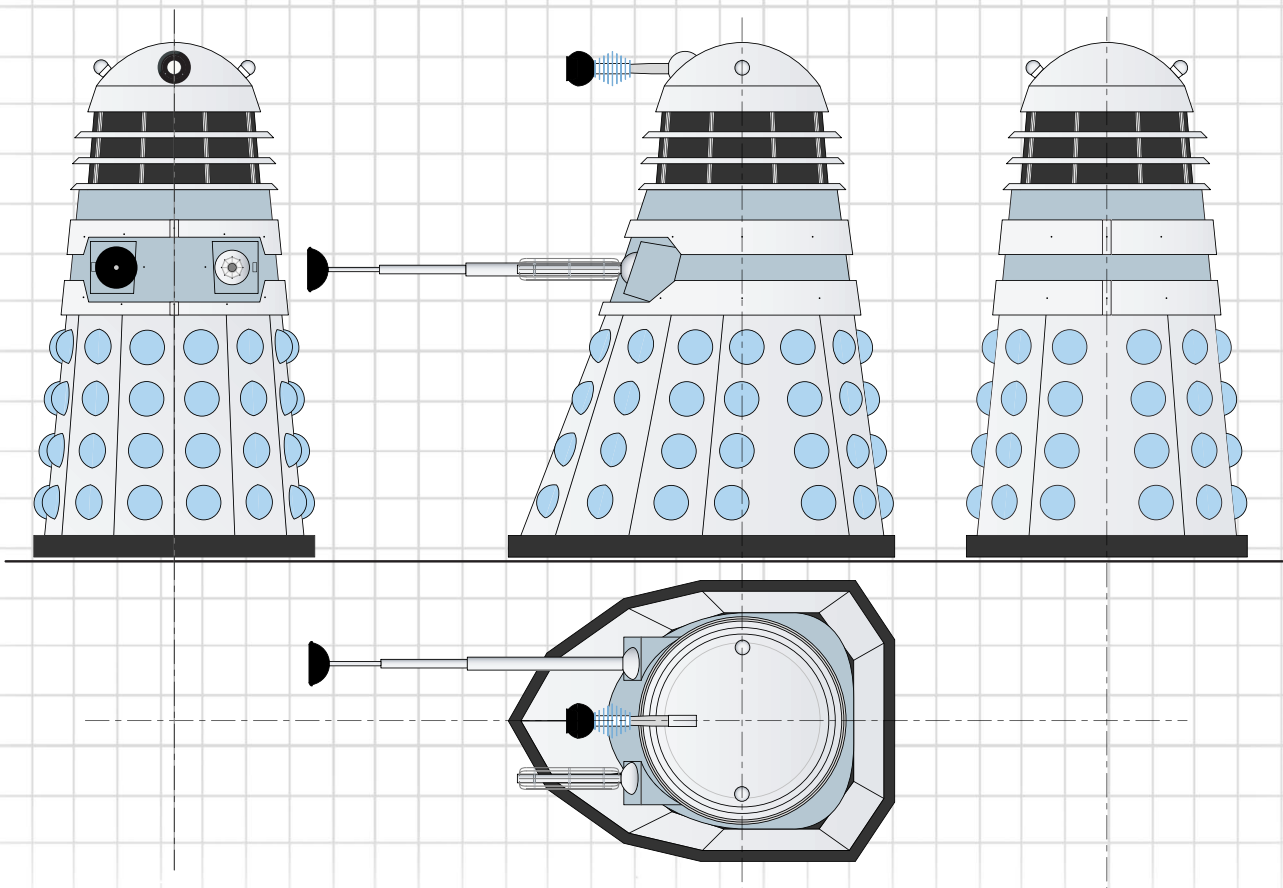
shoulder sections (as per "The Chase" and beyond). These two variants have become known as Mk1 and Mk3 Daleks. The missing Mk2 Dalek design which appears in "The Dalek Invasion of Earth" has always been overlooked. While essentially the same as Mk1, these Daleks sported a large fender section and an 'antenna dish' attached to the rear of their shoulders, along with other minor differences.

The plans as you see them presented here, take all of Malcolm's layouts from 'revision two' and add in the missing information needed to build a Shawcraft Mk2 Dalek. For the first time the plans now contain all three major Dalek variants from the 1960s. The presentation has been given an overhaul and the plans have also been given pride of place in their own separate booklet. All measurements are in inches, unless otherwise stated.

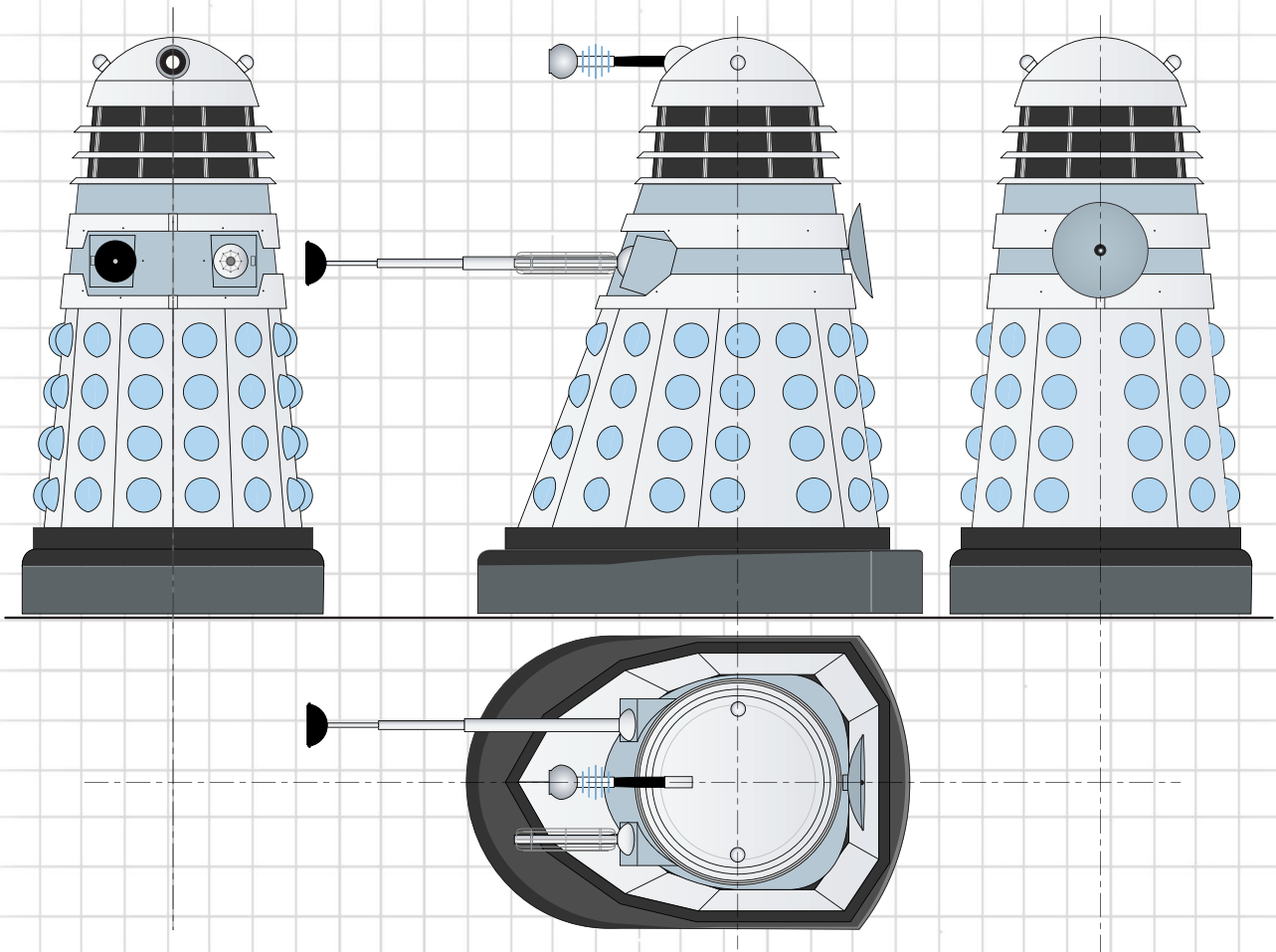
Readers of the "Dalek Builder's Workshop Manual" will find that the presentation of plans is now 'modular'. Because Project Dalek also offers plans for other Dalek variants, no single set of plans is offered within the manual. It is entirely the readers choice which style Dalek and set of plans they choose to use. Simply select the plans booklet you require and start building!

...THE DALEKS...

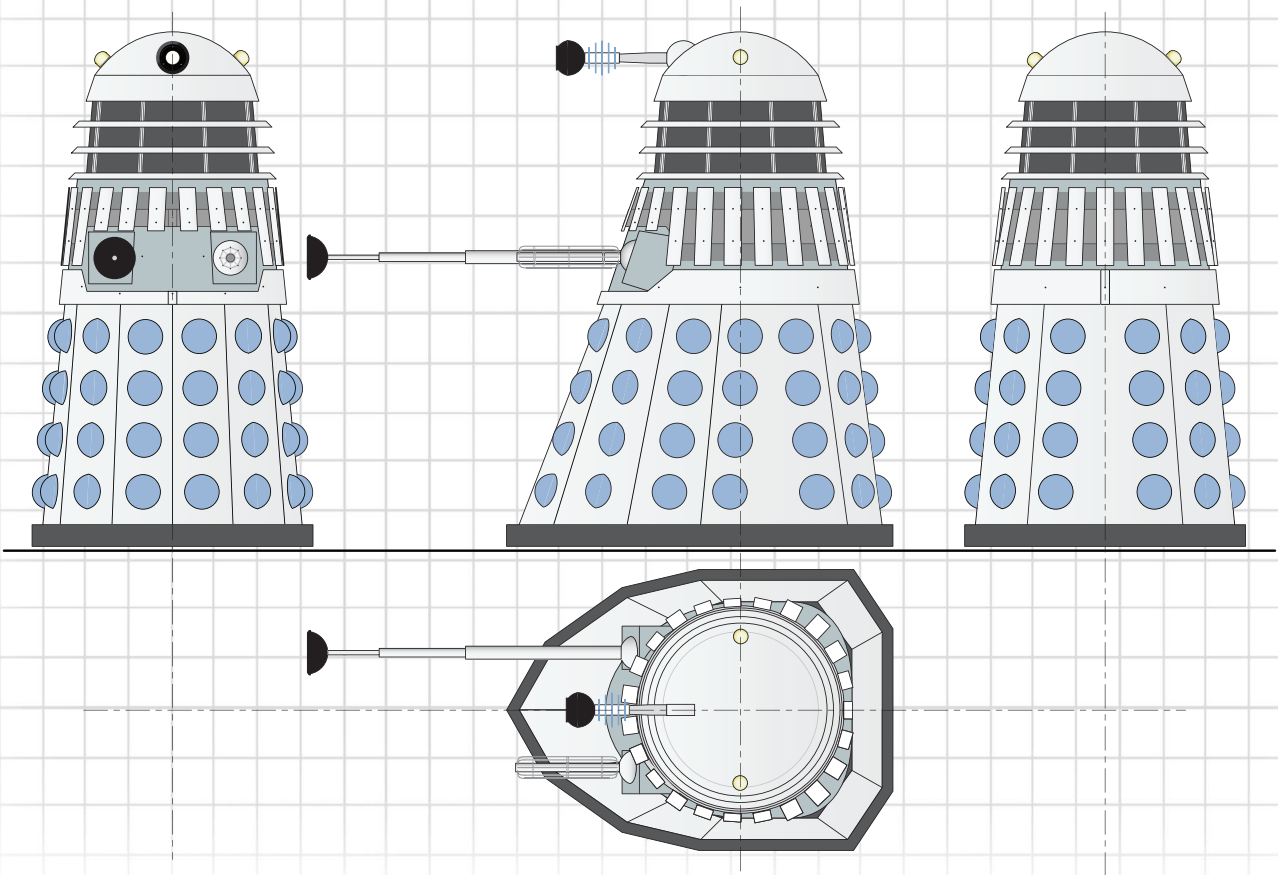
Shawcraft TV Dalek: Mk.1



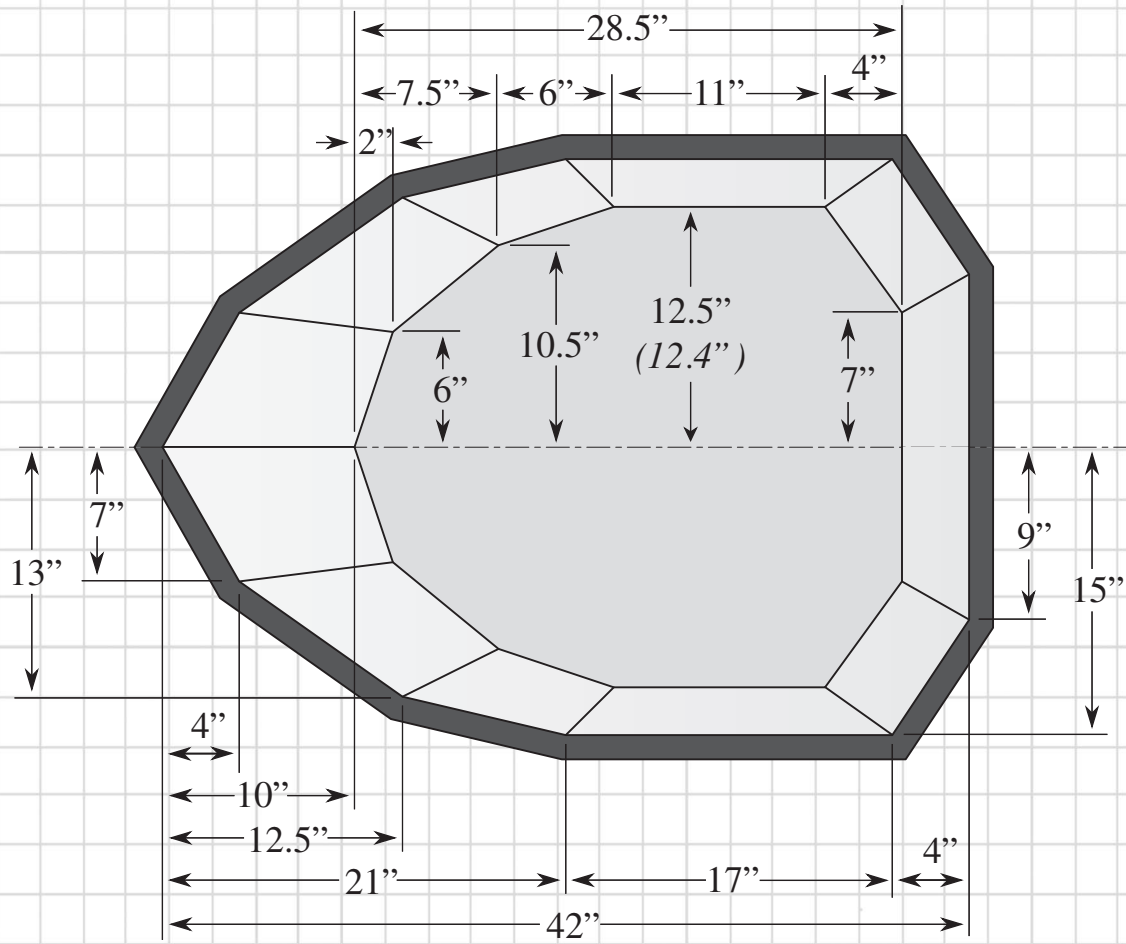
Shawcraft TV Dalek: Mk.2



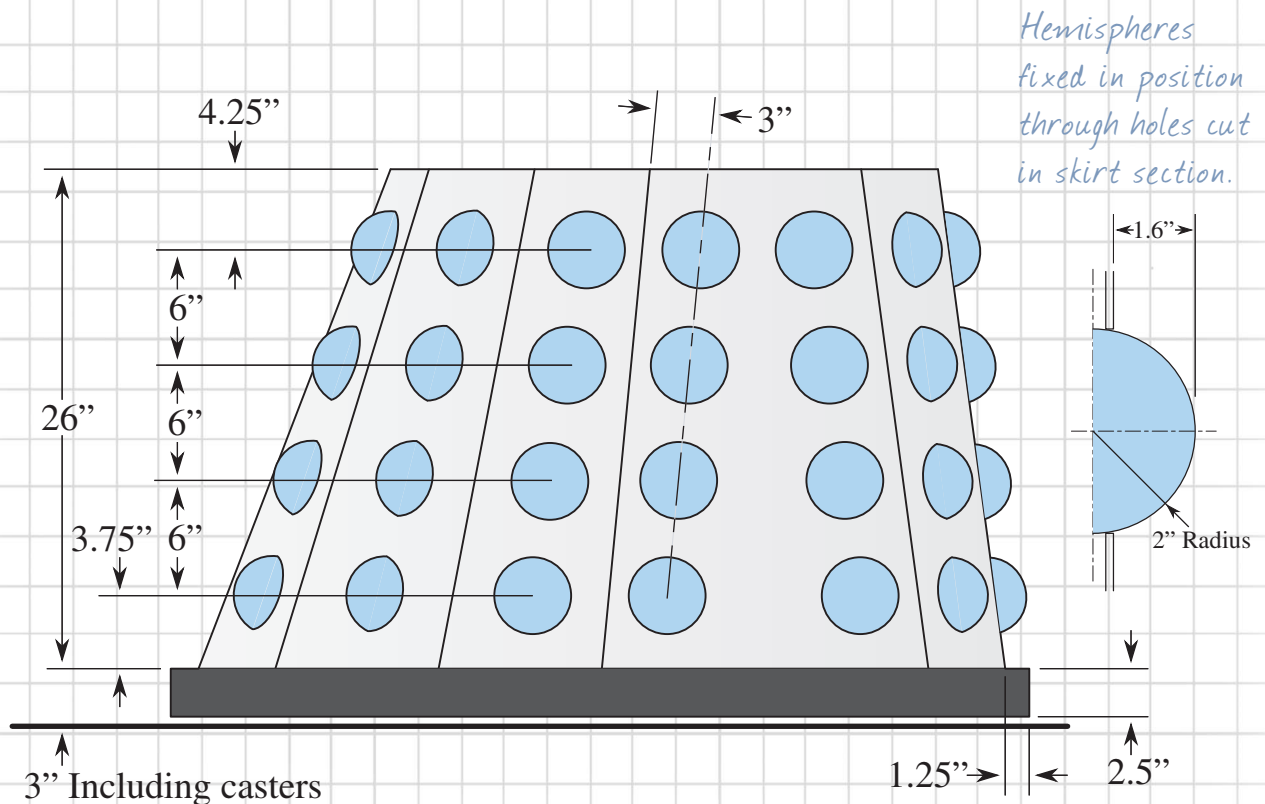
Shawcraft TV Dalek: Mk.3



...THE SKIRT...



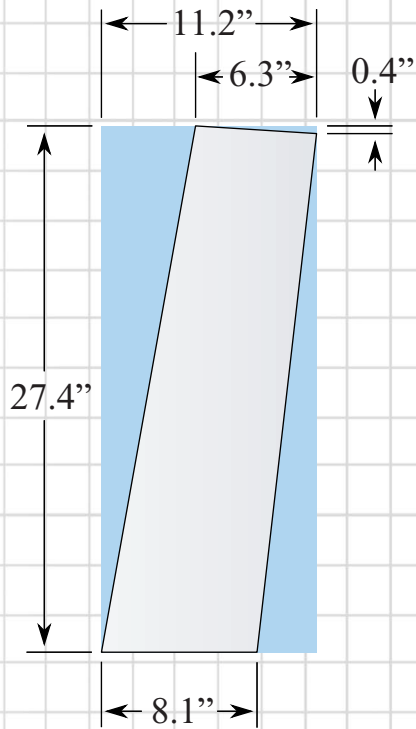
Skirt upper & lower detail measurements



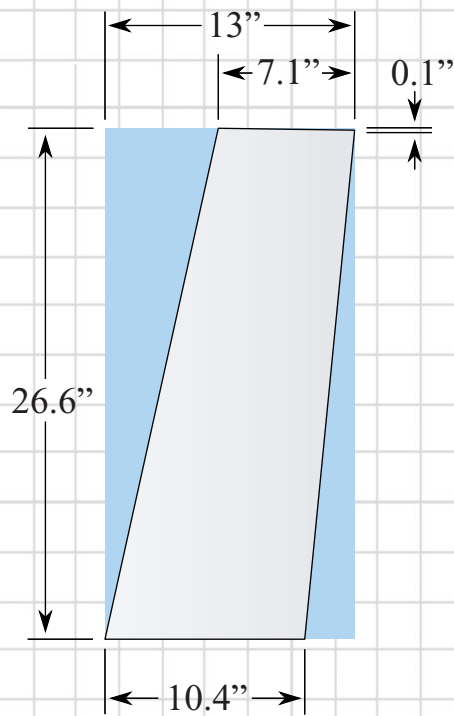
Hemispheres
fixed in position
through holes cut
in skirt section.

Skirt side view

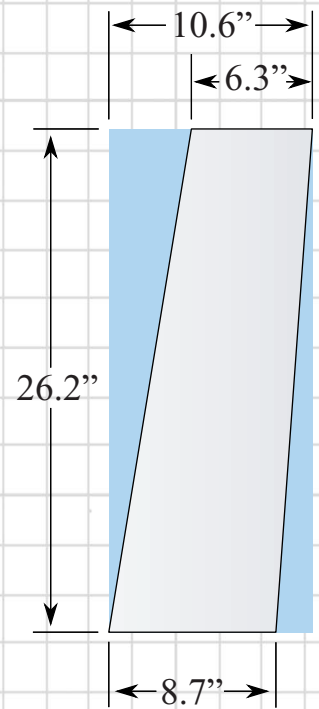
...THE SKIRT PANELS...



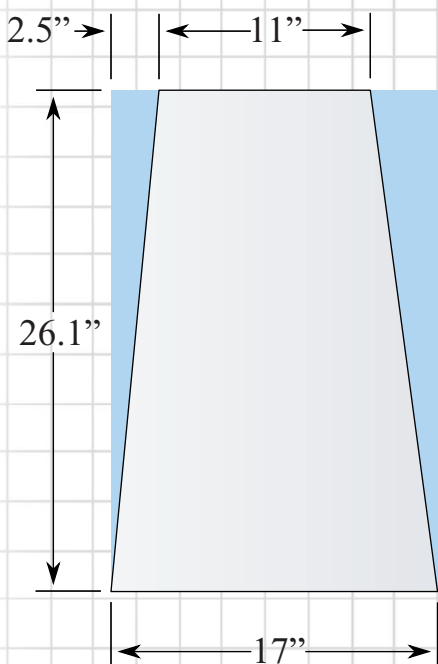
Panel 1 (front)



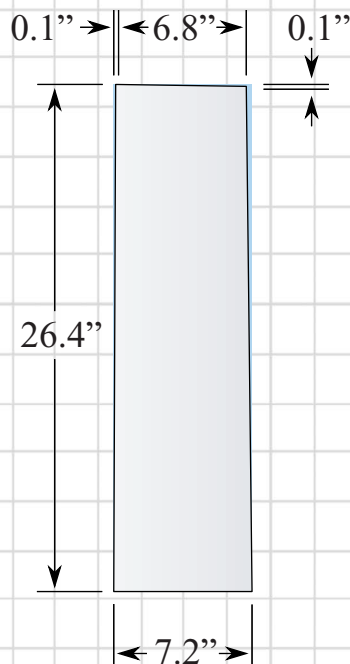
Panel 2



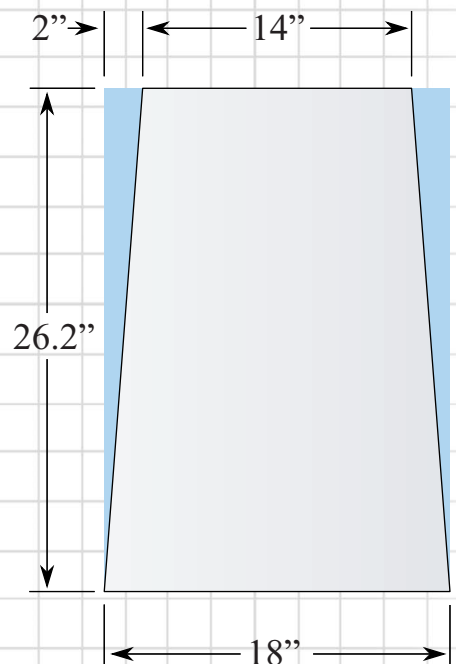
Panel 3



Panel 4

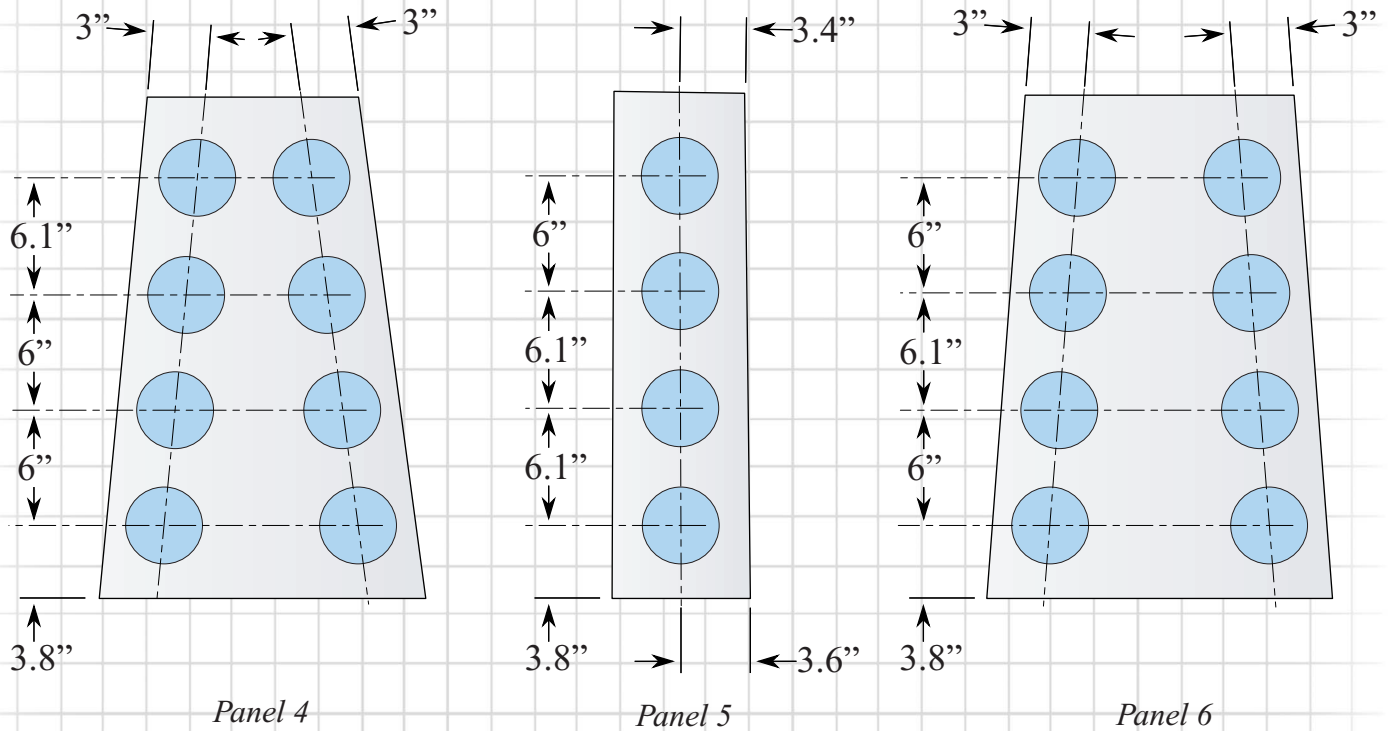
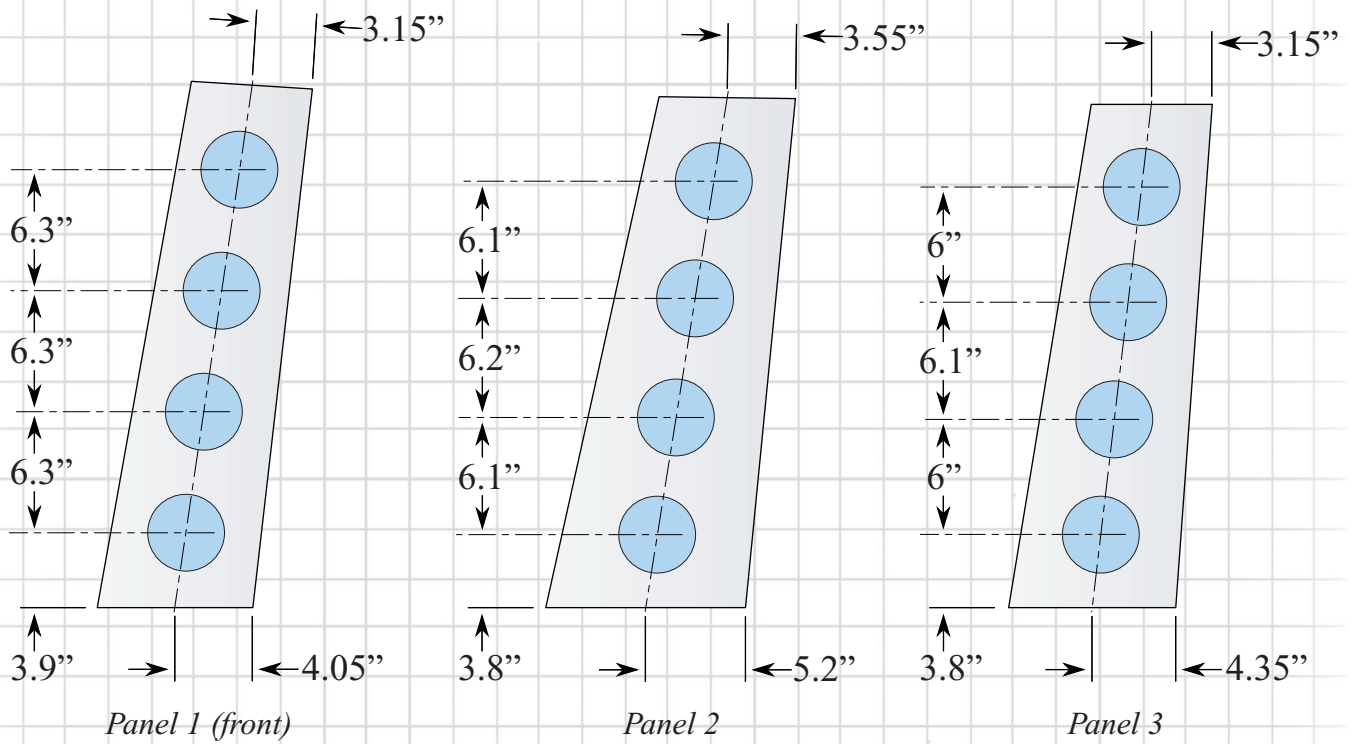


Panel 5

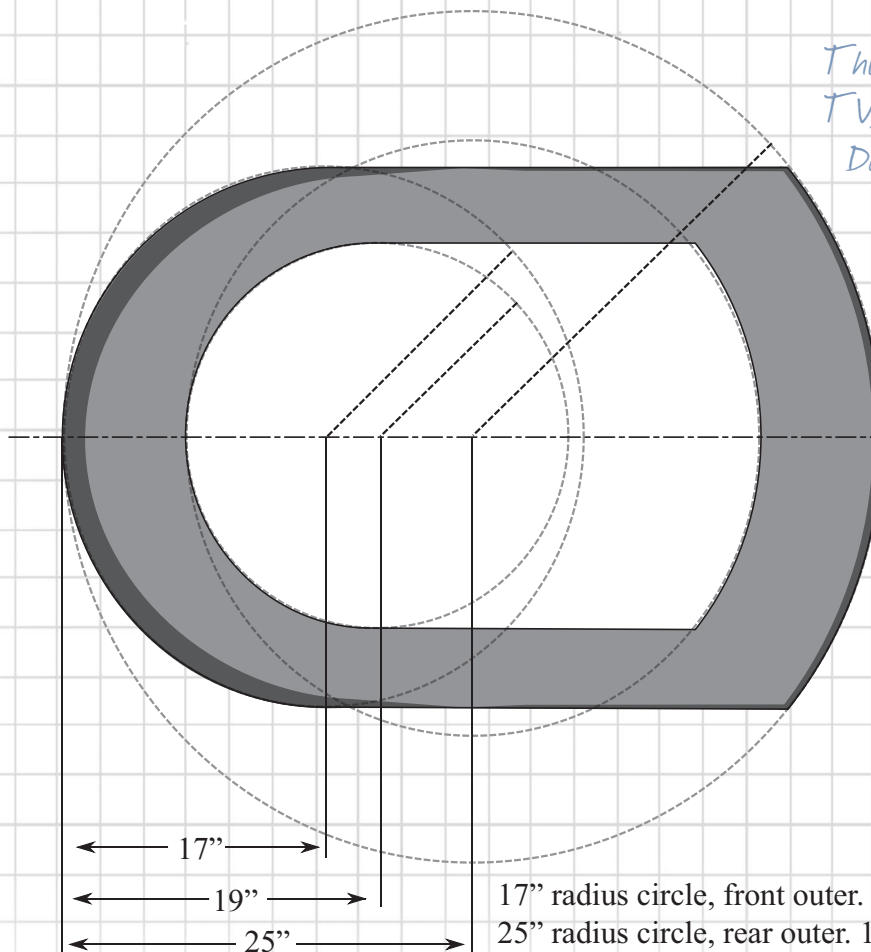
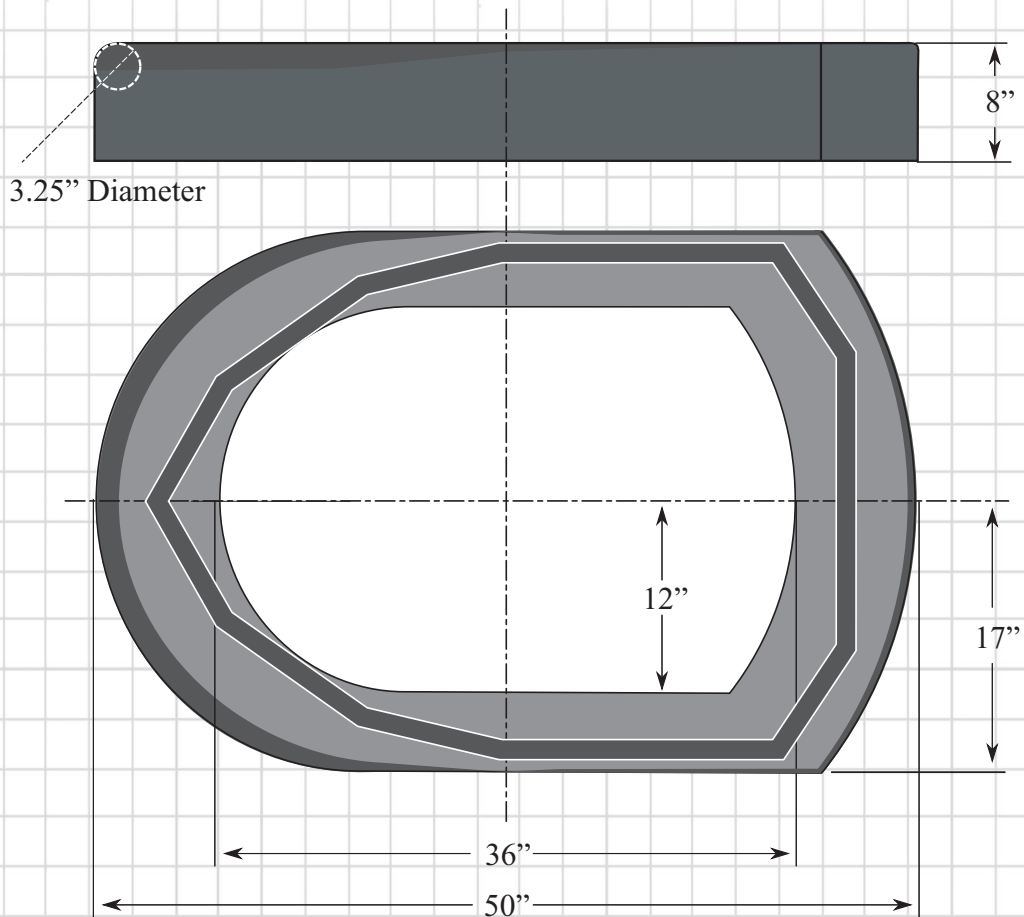


Panel 6

...HEMISPHERE POSITIONS...

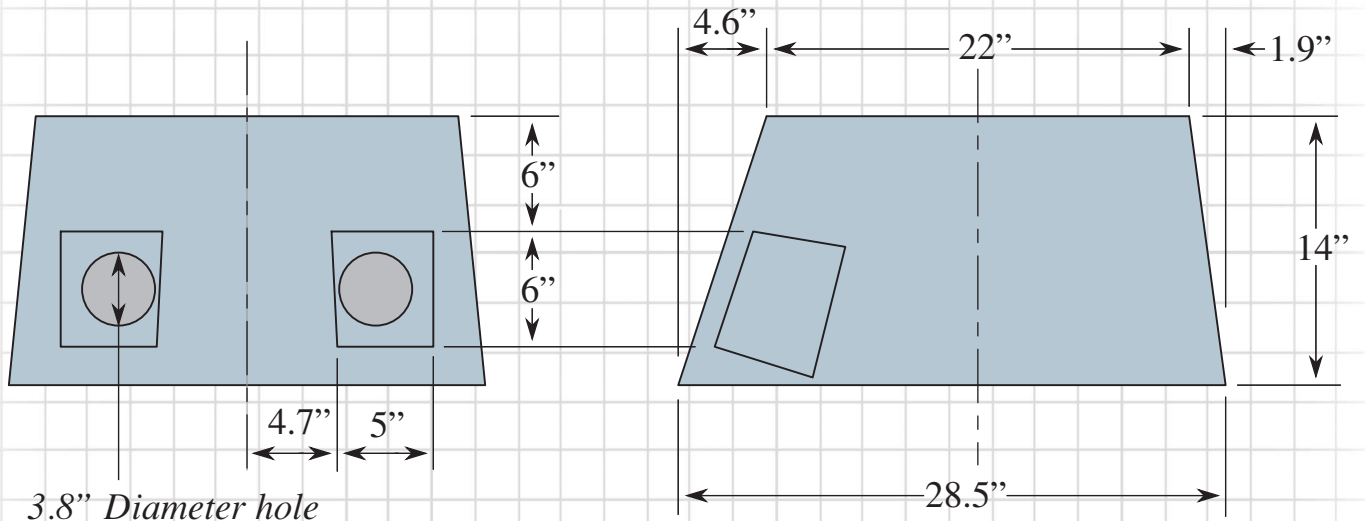


...MK 2 FENDER...

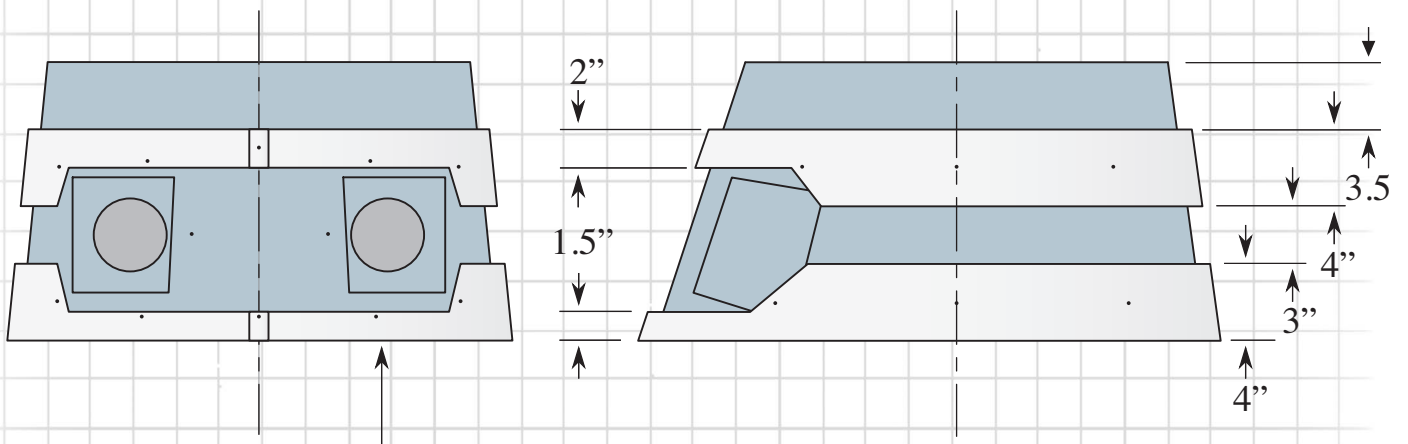


This fender section is unique (on TV) to the Mk2 Daleks from The Dalek Invasion Of Earth. While similar to the 1st Movie Dalek fender, it was constructed with a solid top section and a rubber skirting in much the same way as the fenders produced for the second Dalek movie

...THE SHOULDERS...

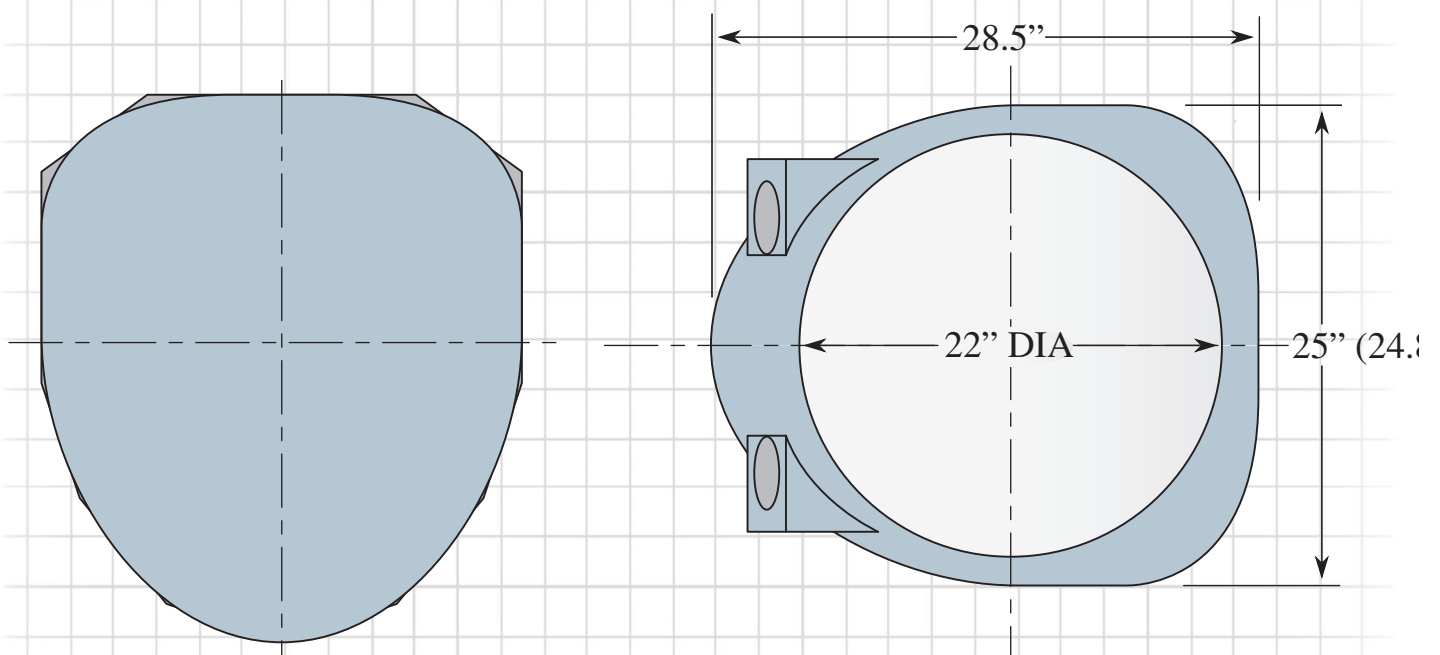


Shoulder Section



Note: 0.5" overhang on lower edge.

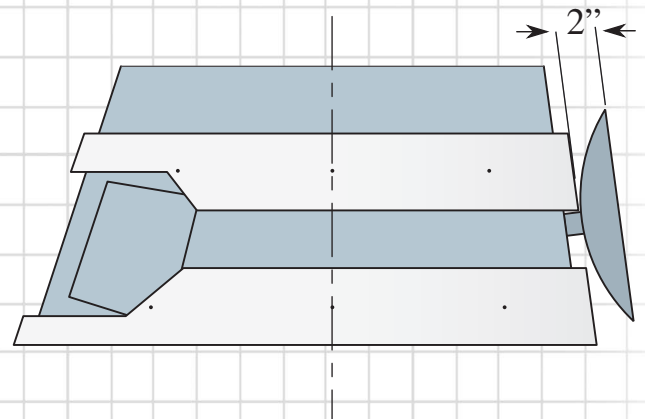
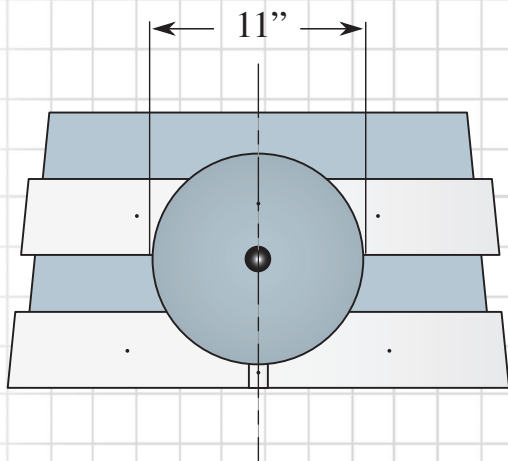
Shoulders with collars



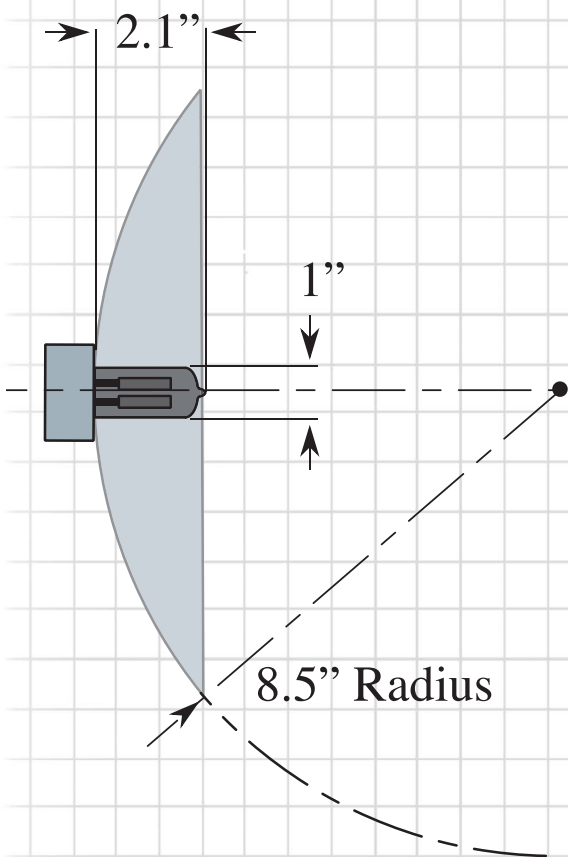
Shoulder-skirt cross section

Upper & lower shoulder dimensions

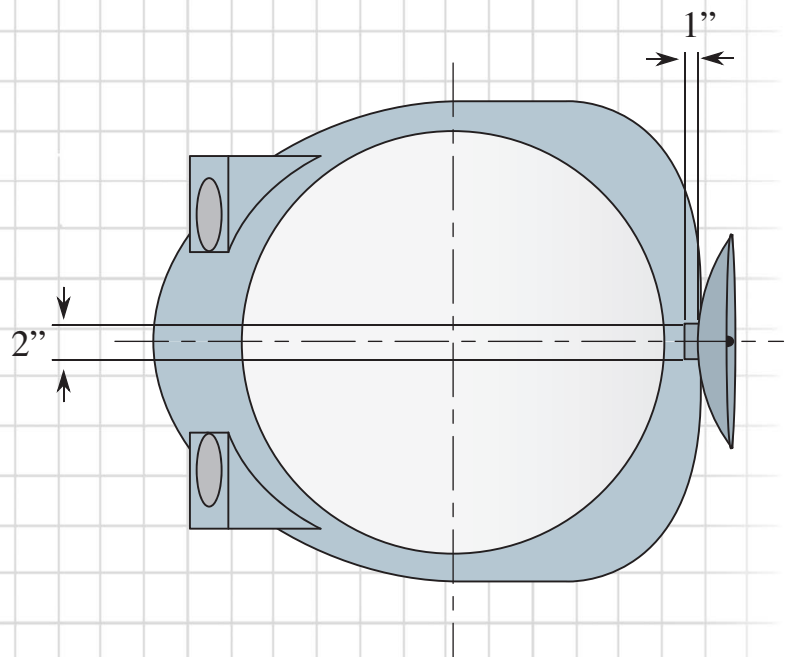
...MK 2 SHOULDER DISH...



Antenna dish rear & side view



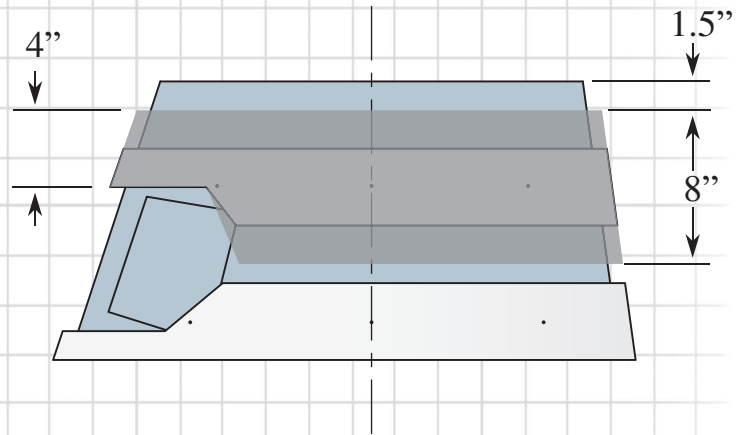
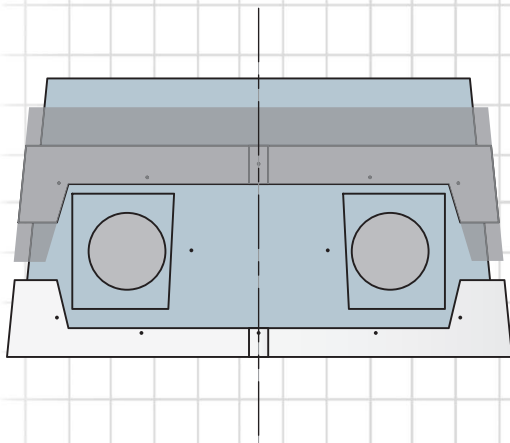
Antenna dish



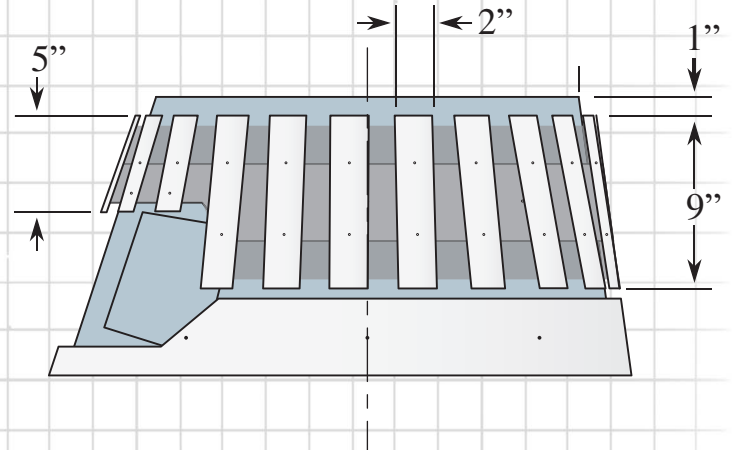
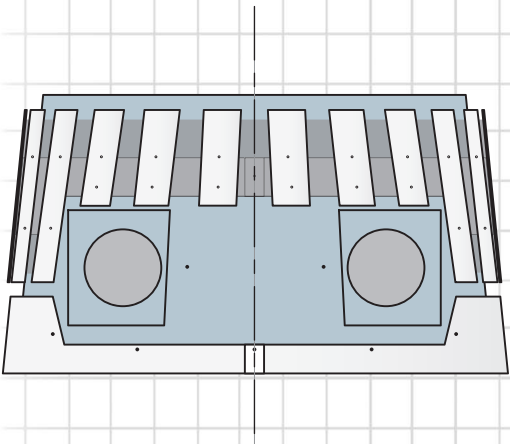
Mounting block

The antenna dish presented here is unique to the Mk2 style Dalek from *The Dalek Invasion Of Earth*. Grey in colour, it was mounted below the upper collar on a simple bracket constructed from a block of wood. The dish was removed in later stories, in favour of the mesh and slats configuration detailed on the following page.

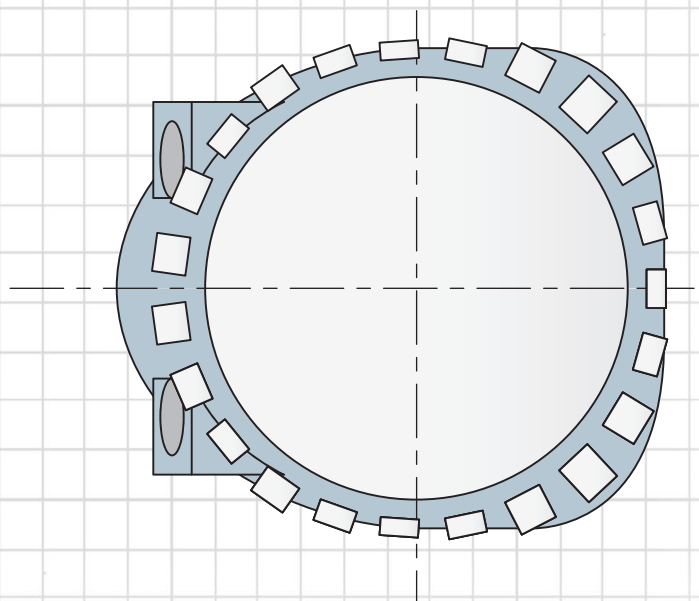
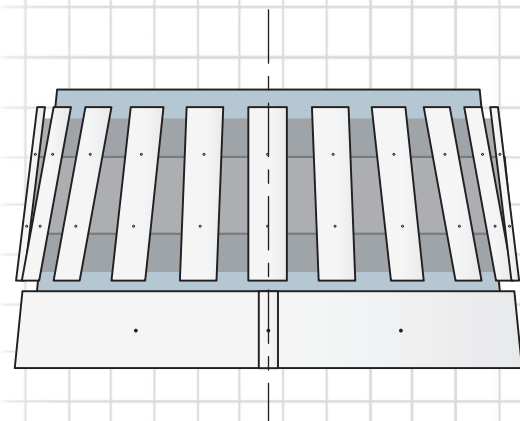
...MK 3 THE MESH & SLATS...



Mesh front & side views

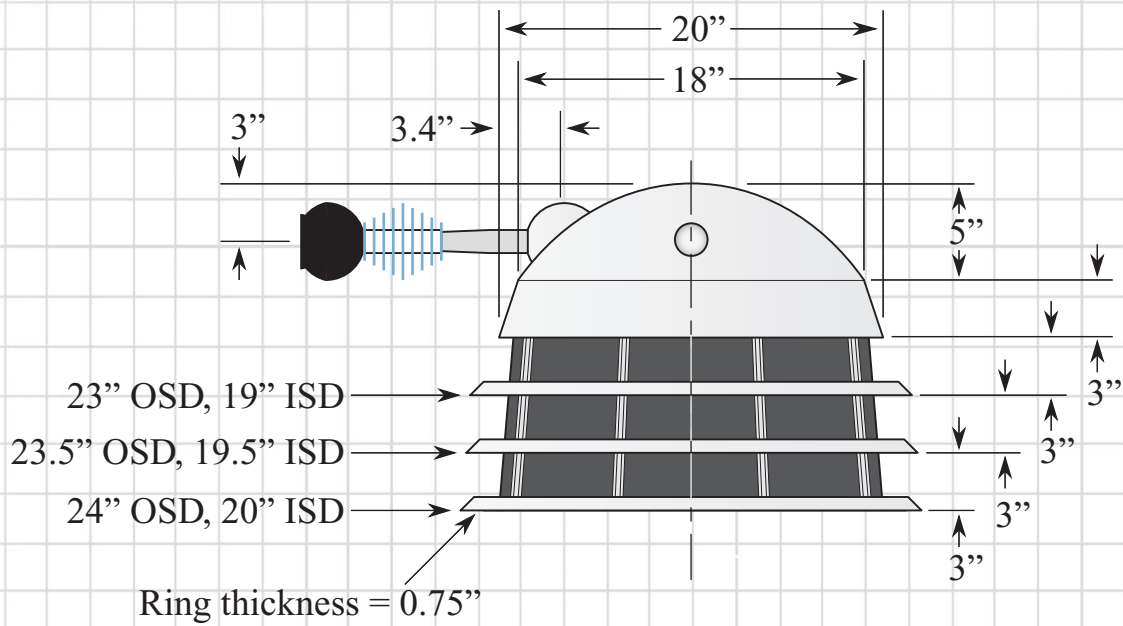


Slats front & side views

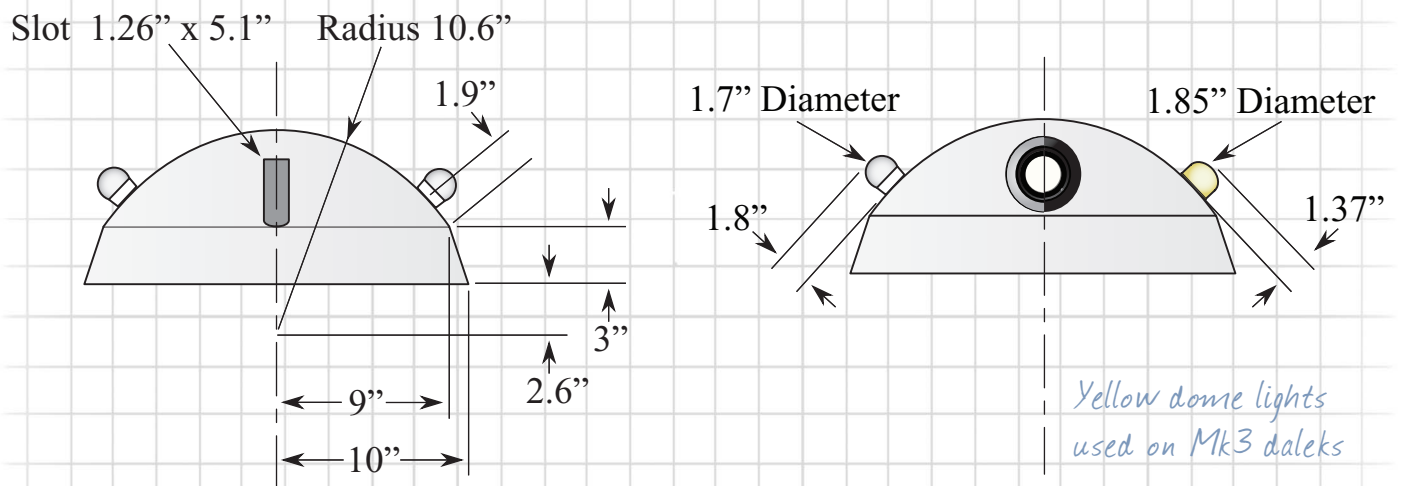


Slats rear & top views

...THE DOME & NECK...

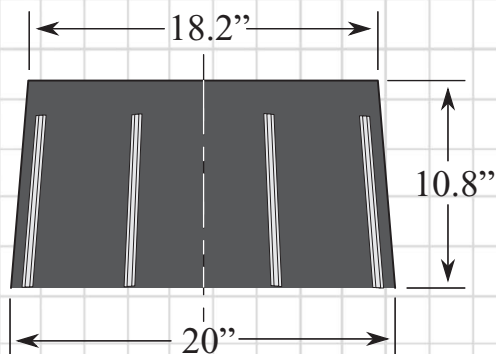


Dome & neck-bin dimensions

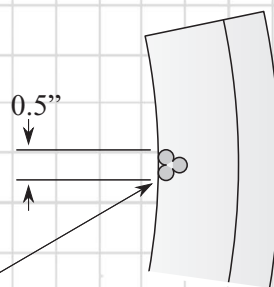


*Yellow dome lights
used on Mk3 daleks*

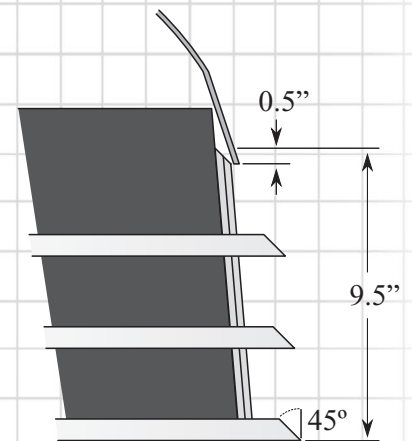
Dome dimensions & details



Neck-bin internal dimensions

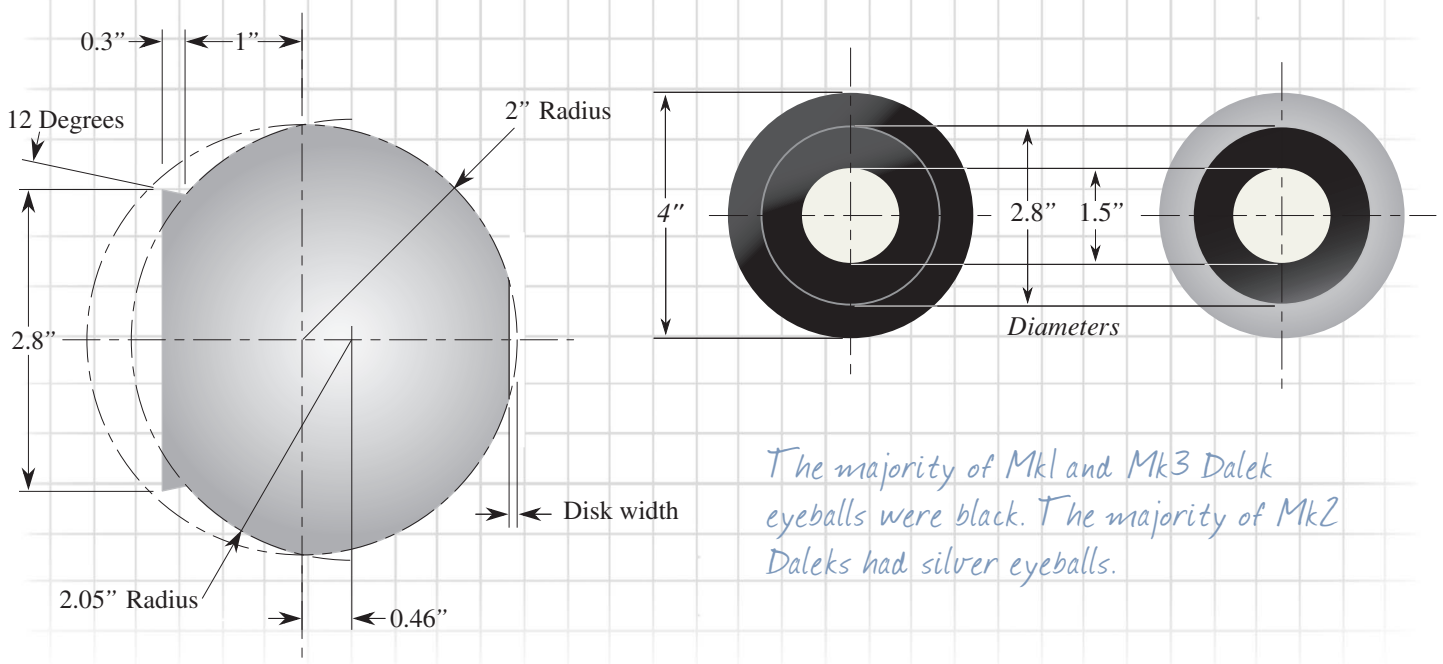
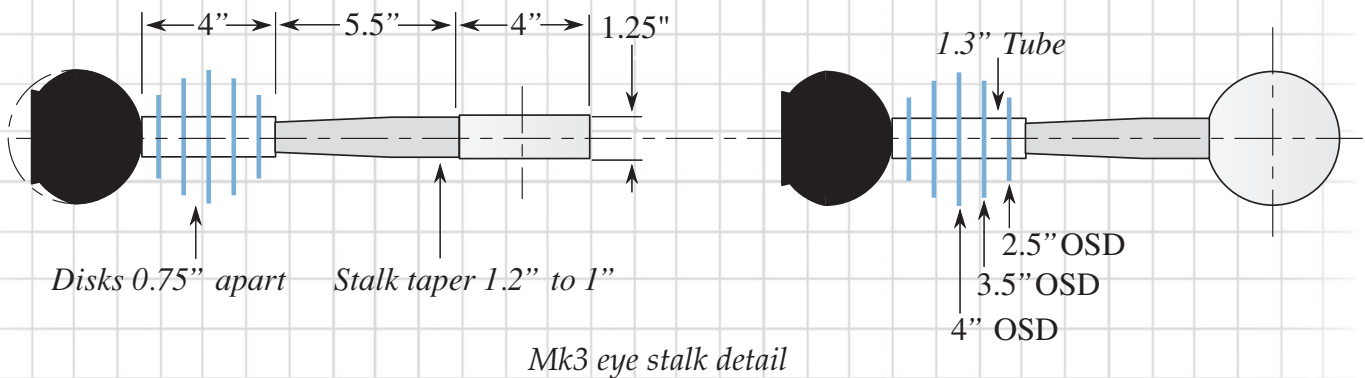
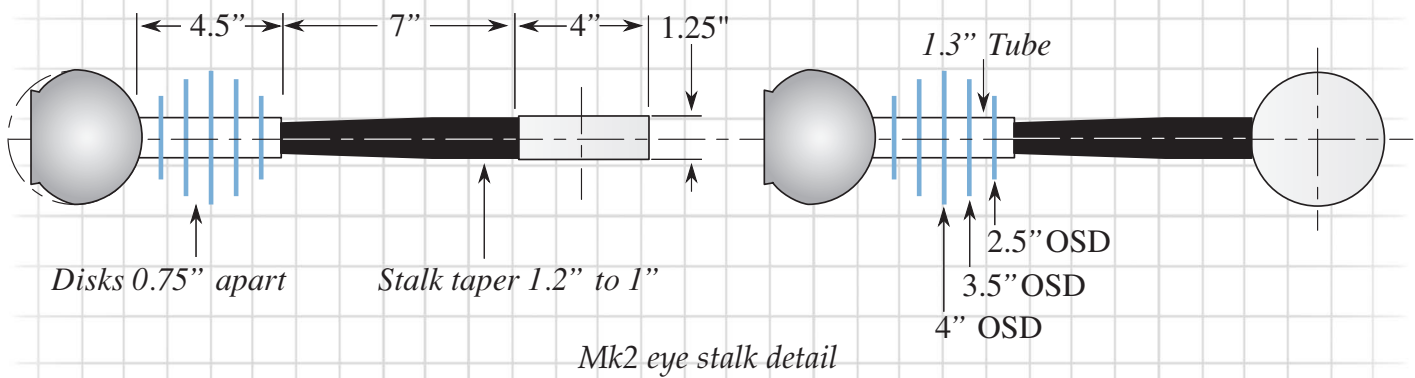
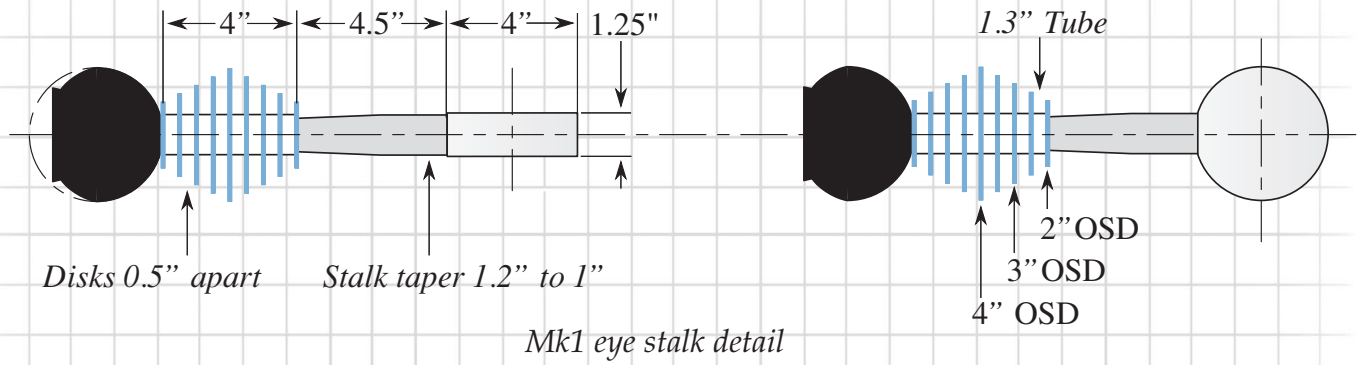


Strut constructed from three 0.25" dowels

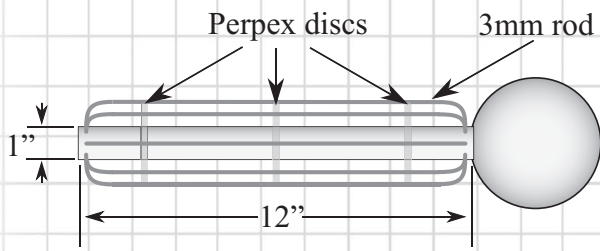


Strut detail

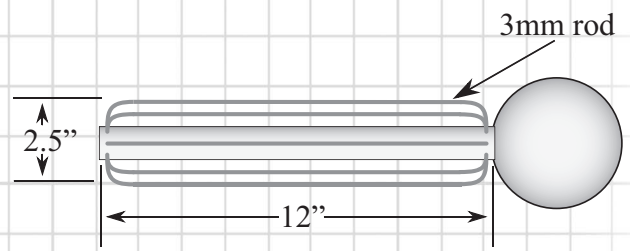
...THE EYE STALK...



...GUN & ARM...

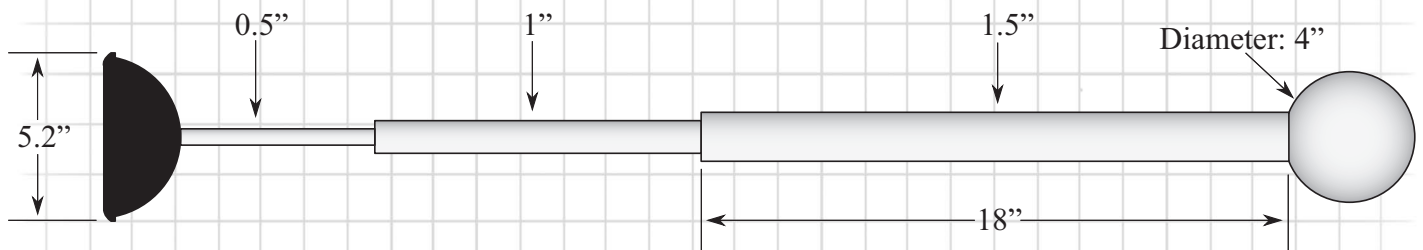


Mk1, Mk2 and Mk3 gun with Perspex octagons.

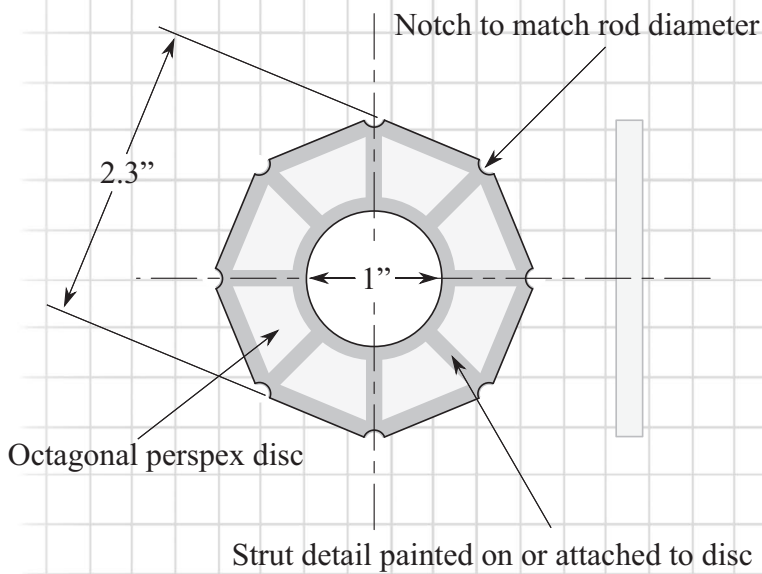


Later Mk3 gun without Perspex octagons.

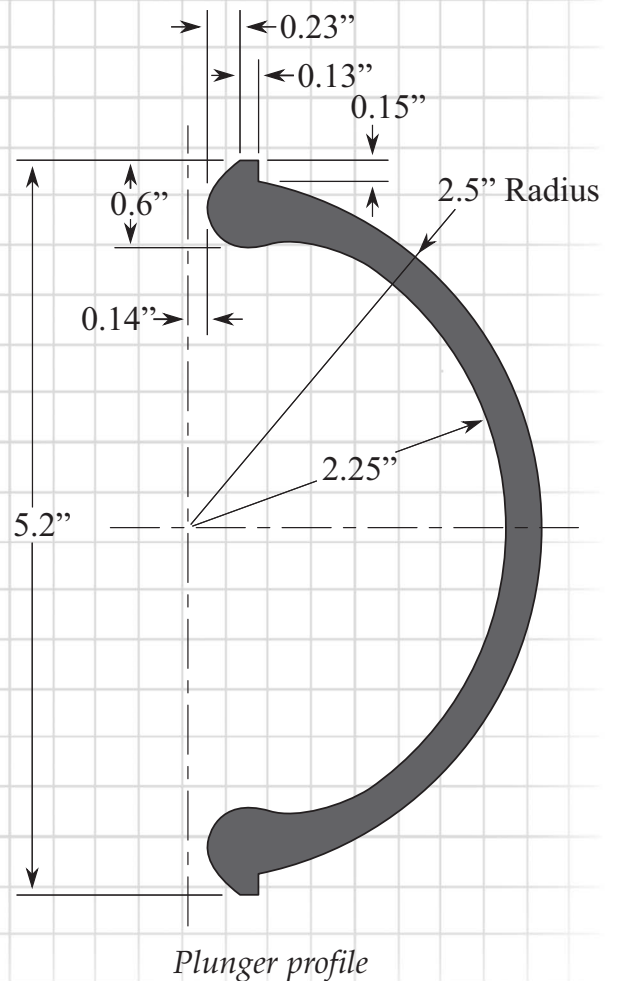
Gun detail



Arm detail



Gun octagon detail



Plunger profile

*If you have any comments or suggestions
regarding plans and dimensions for any Dalek type,
please post your feedback on the Project Dalek Forum:*

www.projectdalek.com

*These plans have been produced for anyone wanting to build a Dalek for their own personal use.
It is not this guide's intention to encourage any commercial activity regarding the selling of daleks.*

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