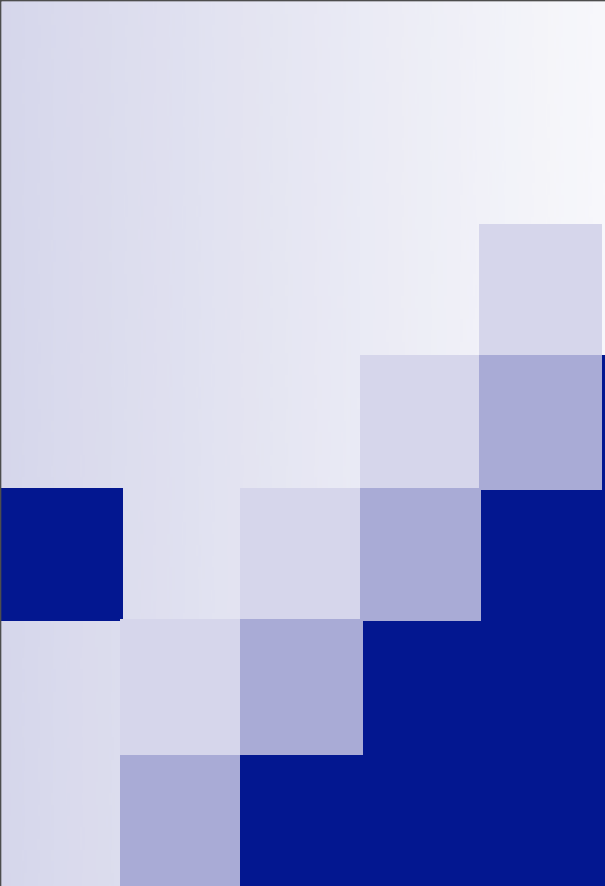


# Expandable Theatre Networking Systems

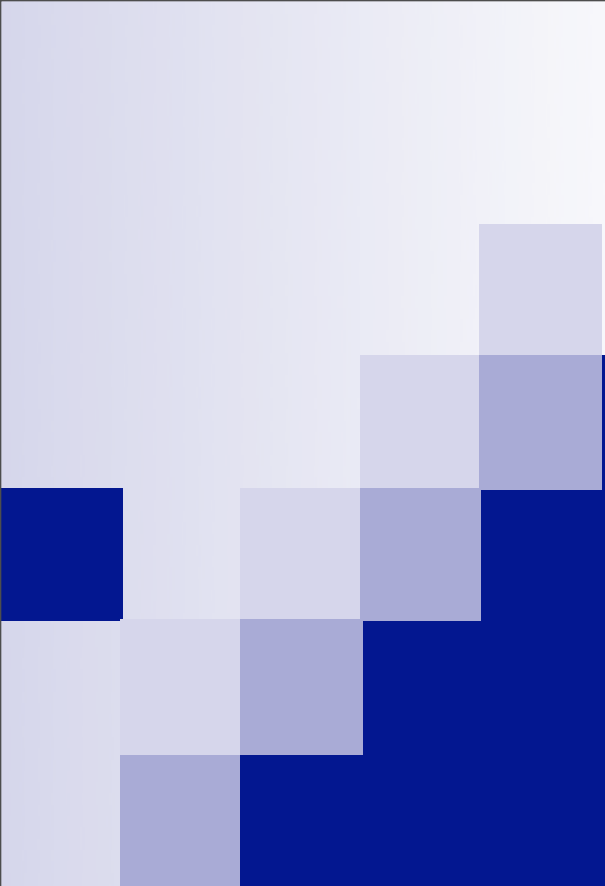




# Expandable Theatre Networking Systems

Harry Mathias



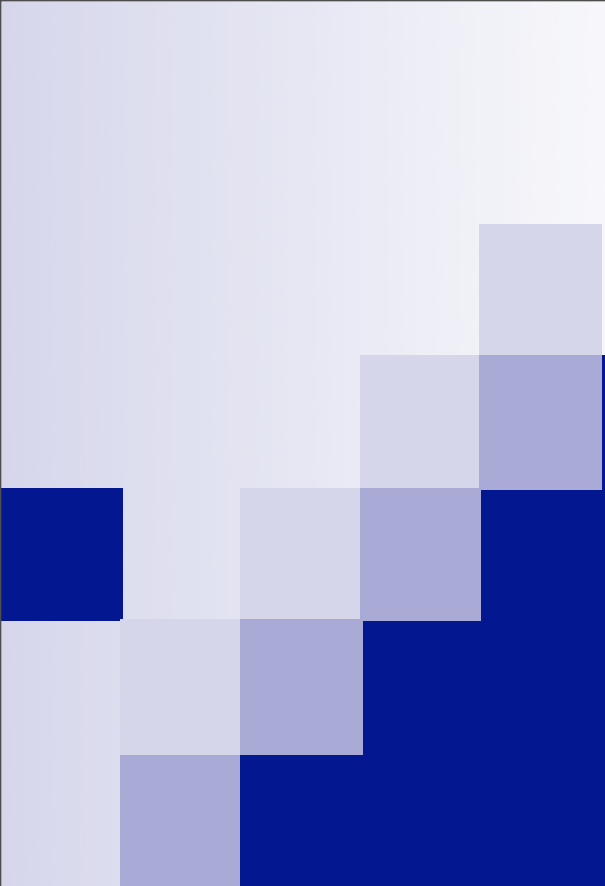


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**Harry Mathias**

CTO / CEO





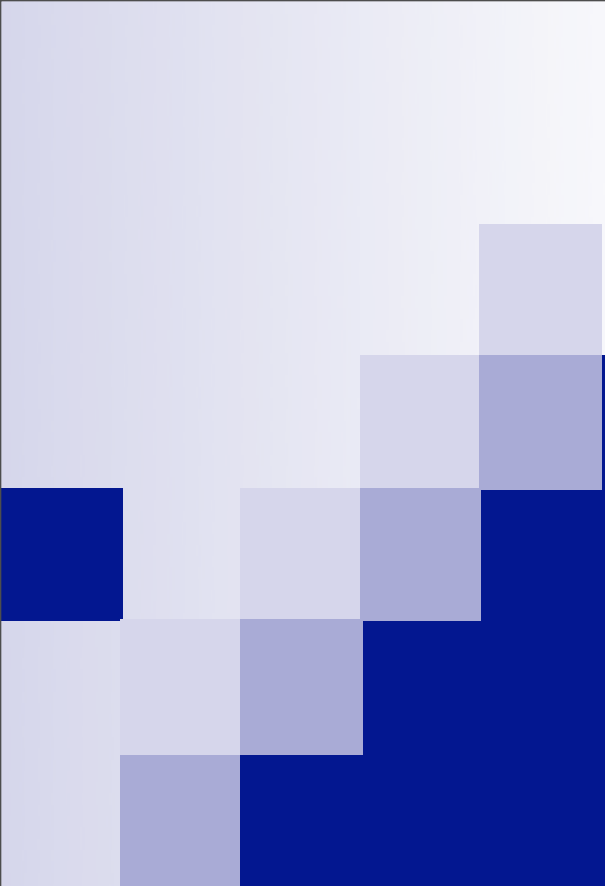
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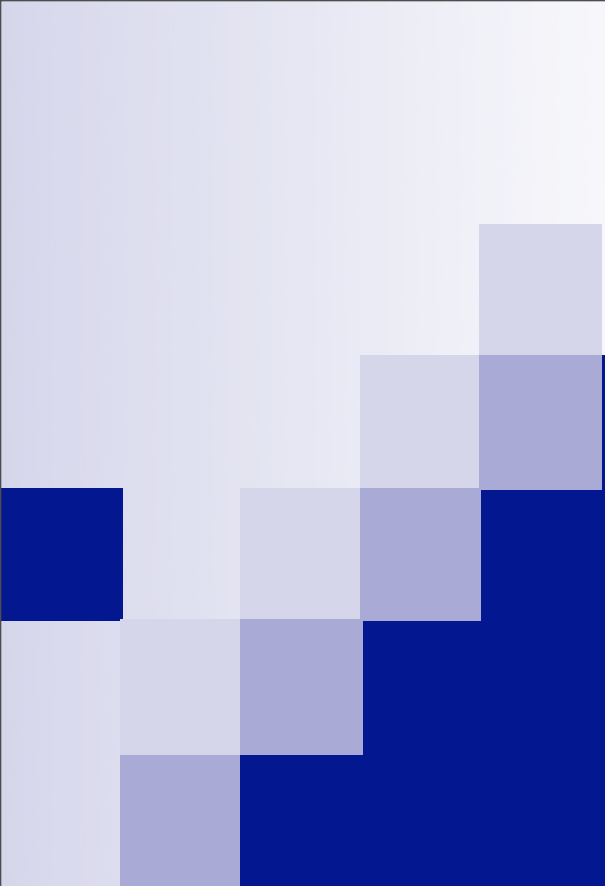
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**DCMP Consulting**



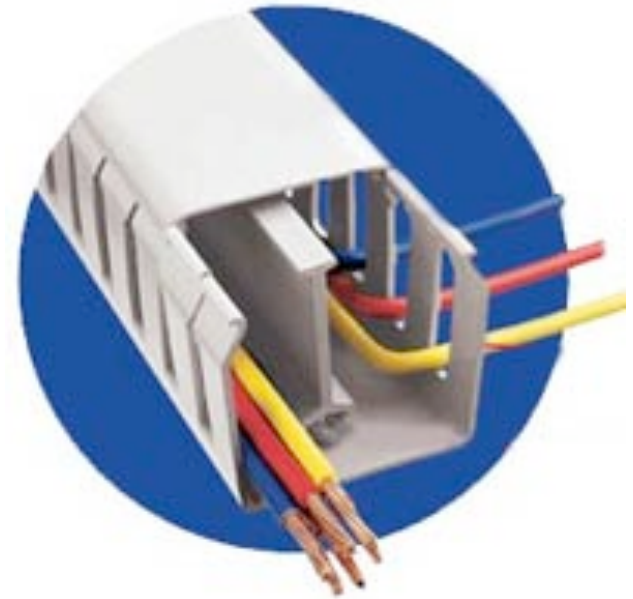


# Planning an architecture for Cinema Advertising that can grow to a Multiplex-Wide D-Cinema System



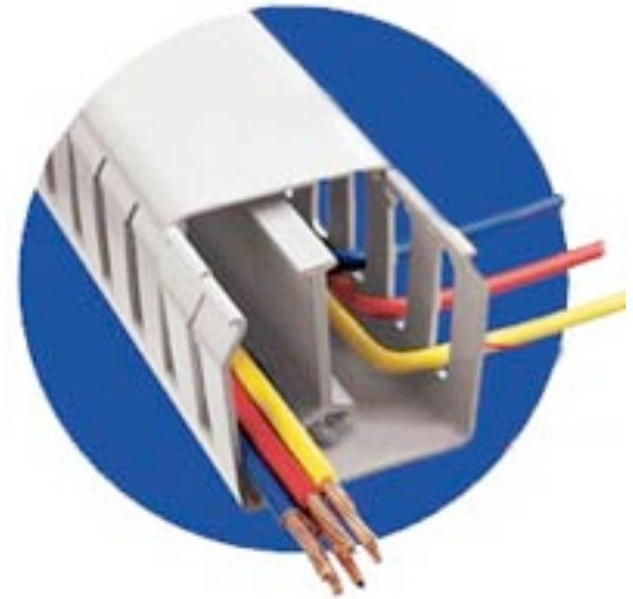
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# Theatre Network Planning



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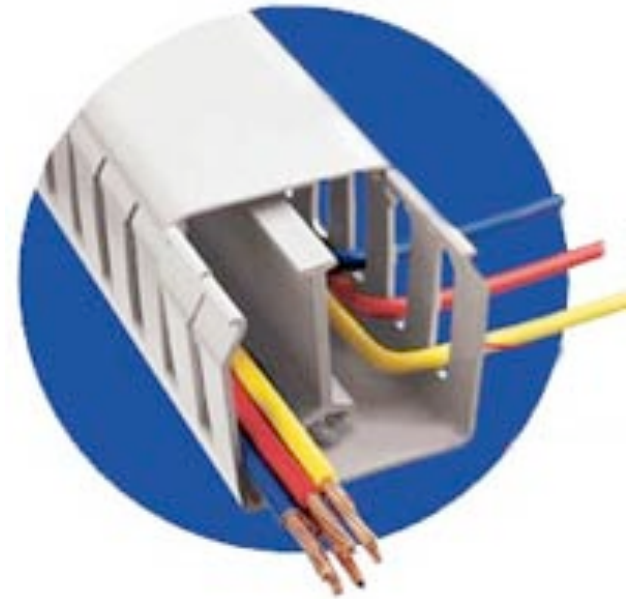
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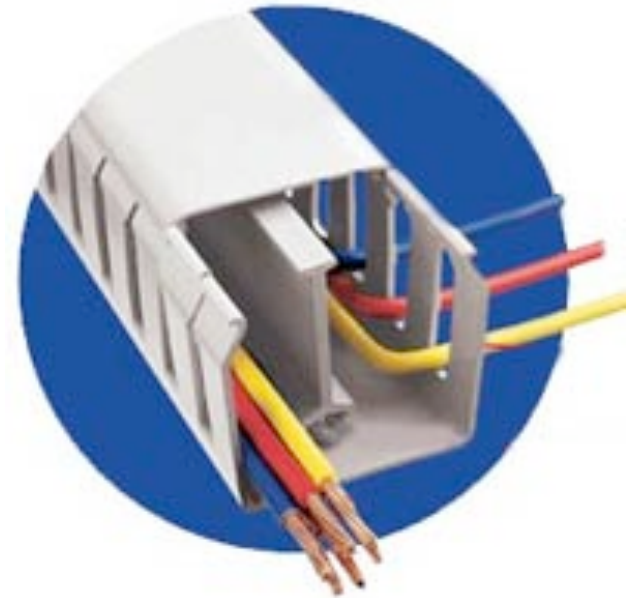
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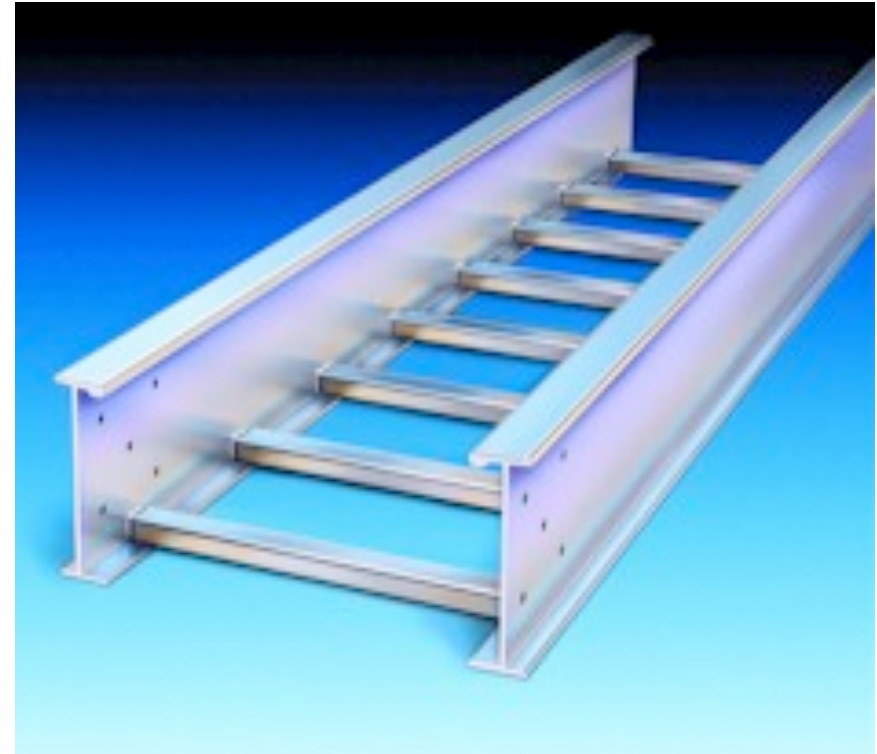


# Theatre Network Planning

- Modern cinema office computers may have internet access, but not the booth.
- Most cinemas currently have modem dialup internet access in the booth, at the *very most*.

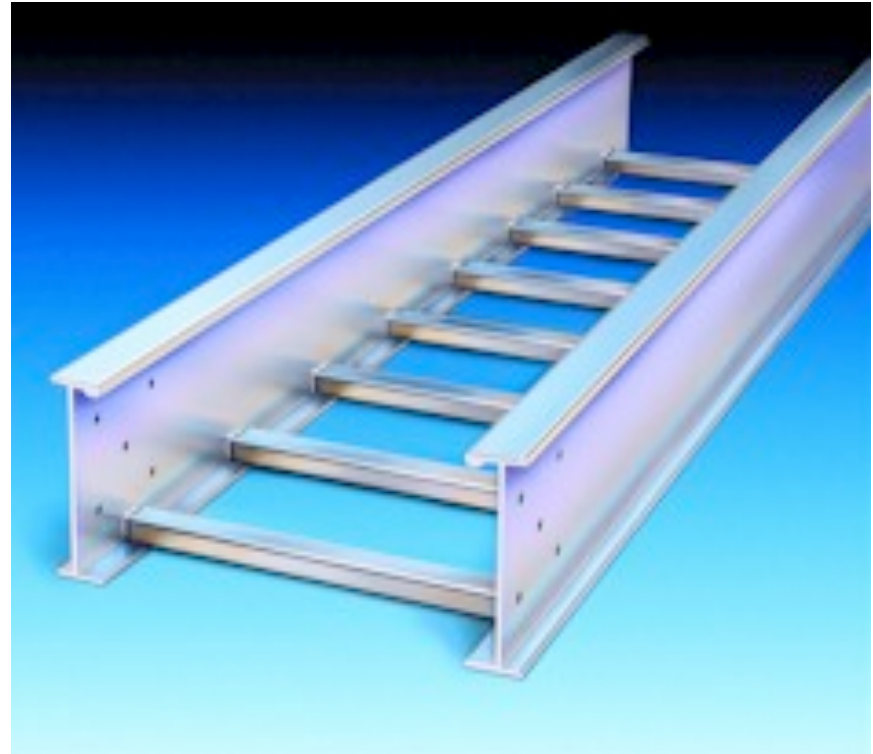


# Flexible & Future-proof Mechanical Layout is the Key



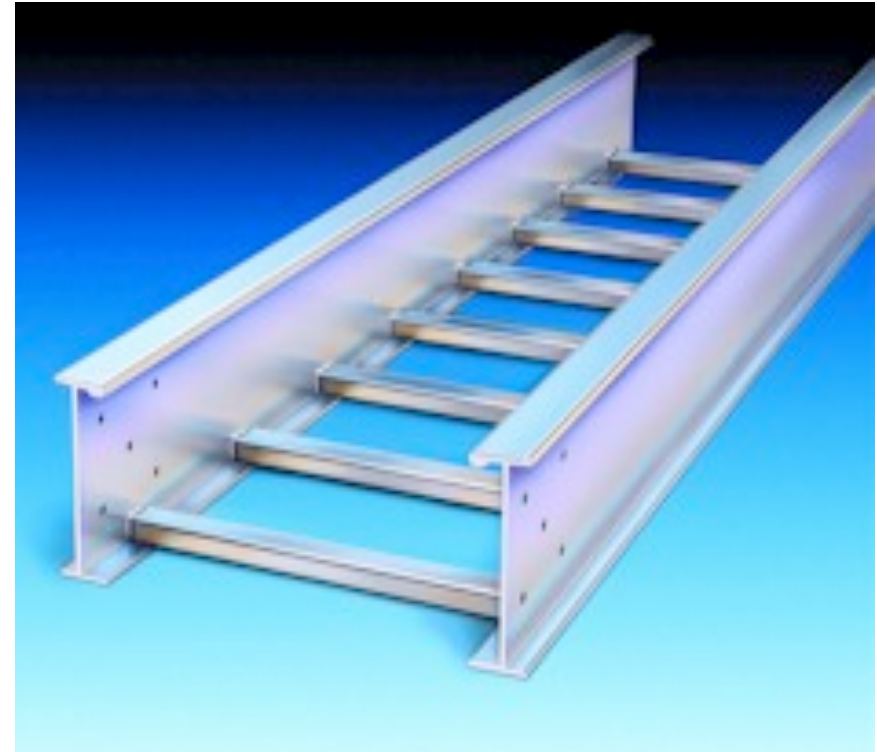
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- If good planning is done in advance, then high speed hubs and routers can be added, as needed, and at low labor cost.



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- If Ethernet cabling is used then it should be high quality and at least Cat6 rated for Gig-E speeds.
- Of course analogue & CobraNet audio cable can also be run on these raceways.



# Cable Crossing Floor...



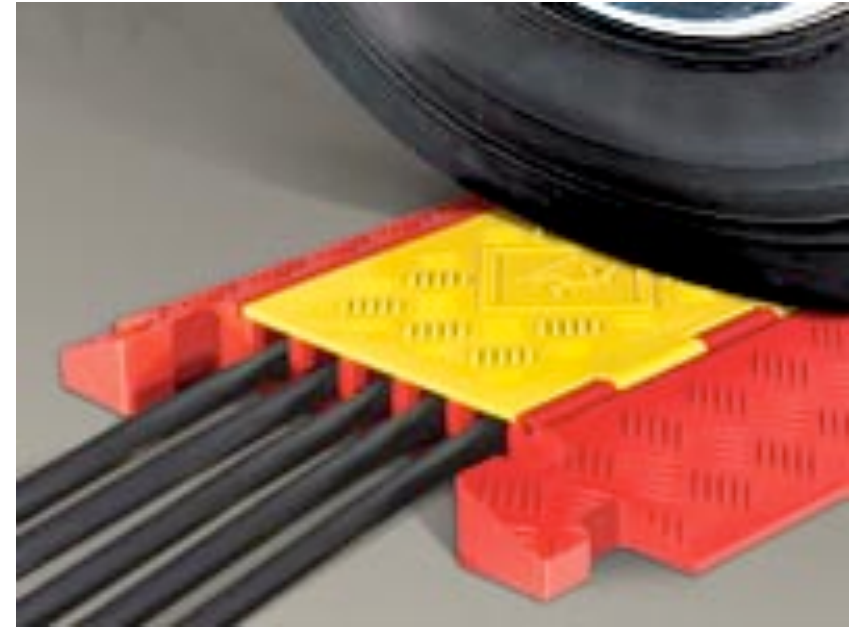
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- If network or an HDSDI Coax must cross the floor cable crossings should be used.
- Floor crossings are common from wall to projector pedestal, for example.



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- Fibre Channel networks are not affected by “dirty” booth power or projector lamp strikes, because they are optical data links.





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# Central Storage or NAS



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- If D-Cinema content is stored in a secure central storage NAS system, then a high speed Fibre Channel networking system in the theatre is highly desirable.
- If this is not done at first, allowing for it's future deployment is wise planning.

# Skilled Network Cabling People...



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- If you investigate the network cabling business, you will find a great many highly-skilled people in this well-established industry.
- It is very common today to use Cat6 wiring for both office computer networks, and for office telephone systems.
- As a result tools, materials, and system test equipment are now readily available, and not expensive.

Thank You

