



Kentucky Children's Hospital
UK HealthCare
Lexington, Kentucky (USA)

SICIS

The Antibacterial properties of SICIS products

The Glass Mosaic produced by SICIS have antibacterial, antimicrobial, anti-mould and self-sanitizing properties, as demonstrated by the certificates obtained by 3 different independent institutes of research, such as the Experimental Station of Glass in Murano, the University of Ferrara and the Ceramic Centre of Bologna (Italy).

The collections of our glass mosaics and Vetrite glass slabs contain anatase, one of the tetragonal phases of titanium dioxide TiO_2 . This substance, in presence of UV rays, is known to produce photocatalytic activity.

The photocatalytic activity, subject of numerous research and development programs all over the world, allows the achievement of some special properties, including self-cleaning, the removal of some pollutants from the air and self-disinfection of bacterial contaminants and moulds.

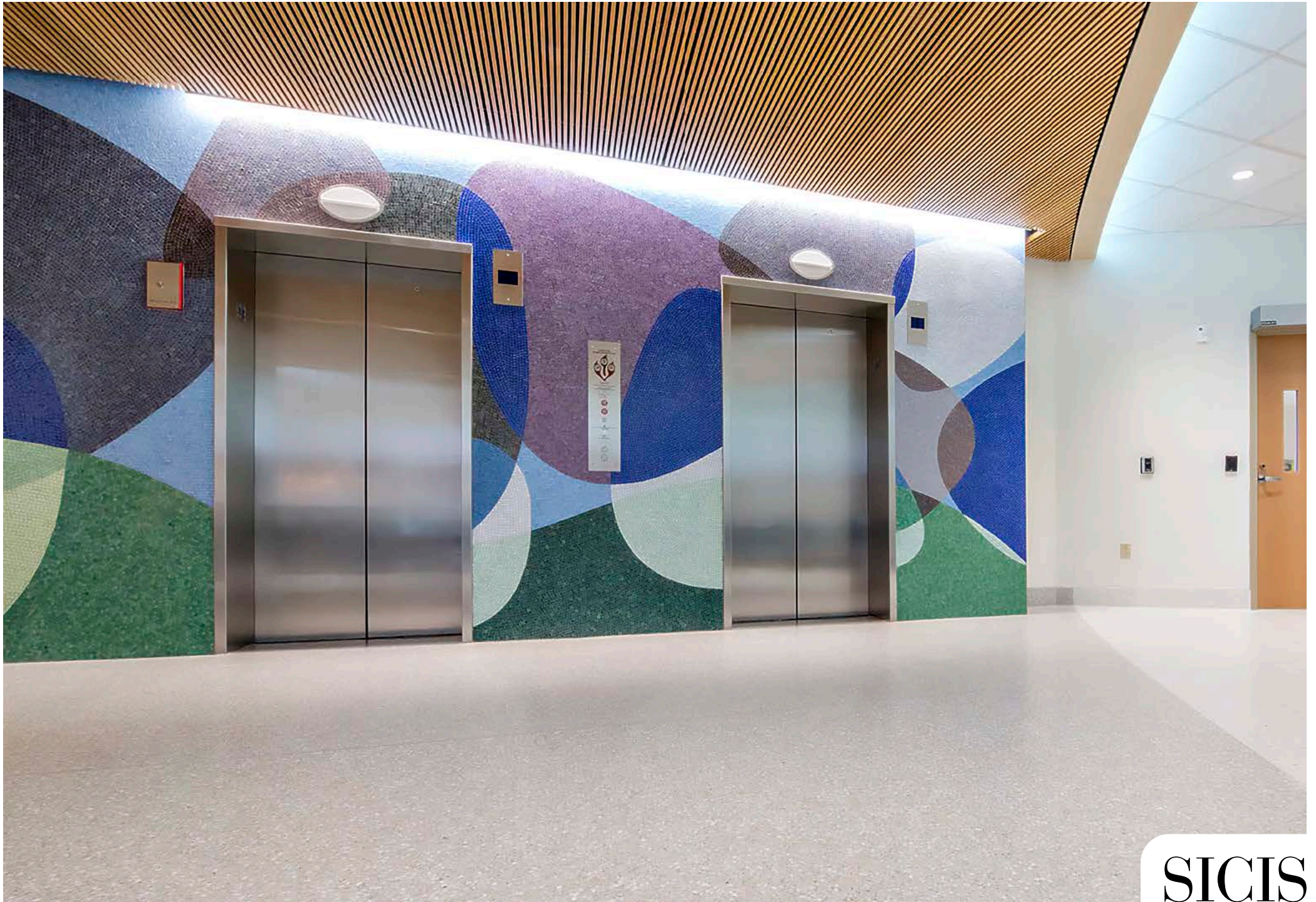
The peculiar special characteristics of the photocatalytic materials and therefore of our products come from the ability to use the light energy (solar or artificial) to activate chemical reactions that lead to the destruction of polluting compounds.

The same light energy allows to activate bactericidal processes, allowing to realize self-sanitizing surfaces thanks to the only exposure to a light source, and it has recently highlighted that surfaces treated with titanium dioxide show evident disinfection capacity following exposure to even modest flows of UV-A.

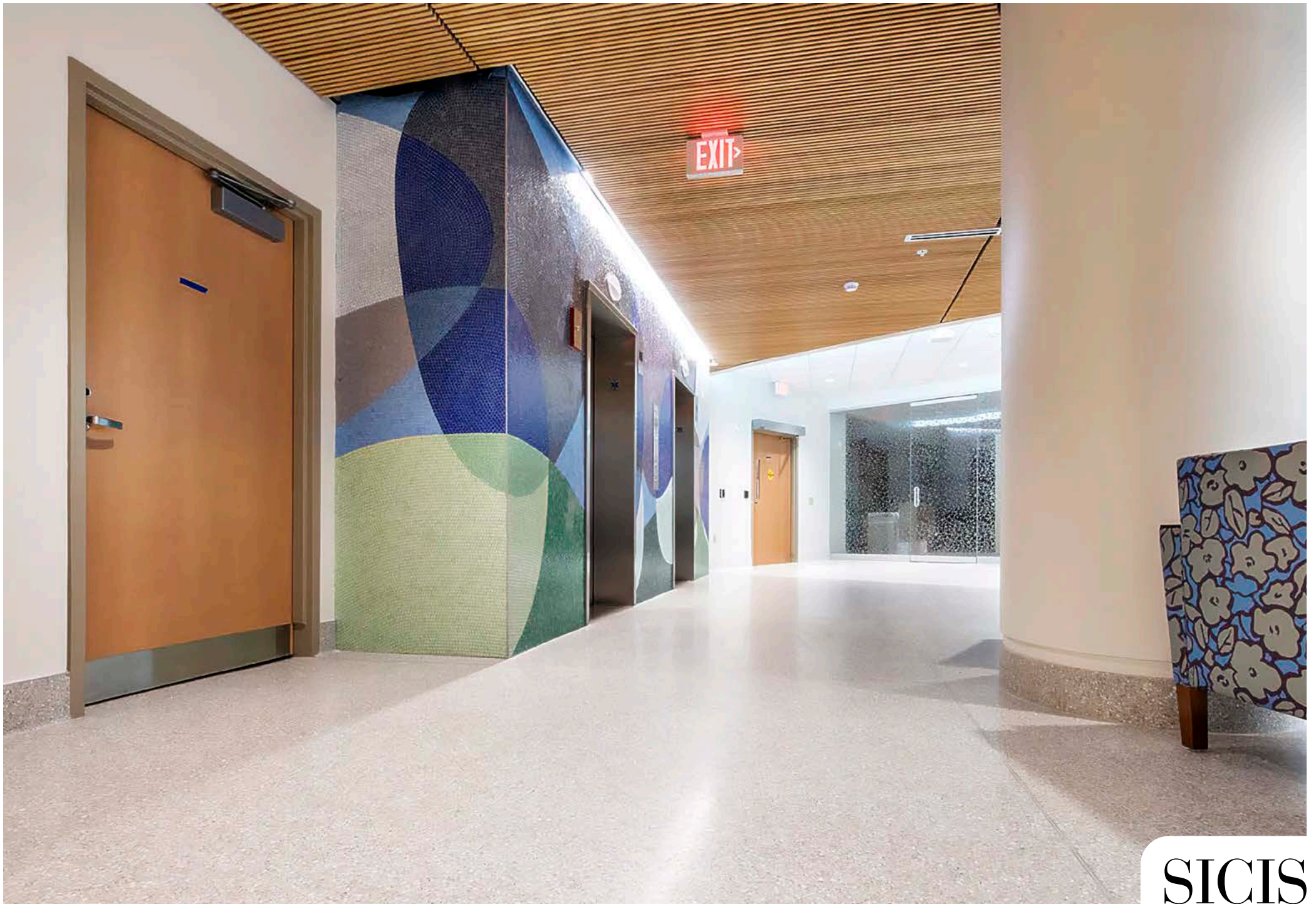
ARTISTIC GLASS MOSAIC
Hygienic, Antimicrobial,
Anti-Mould.



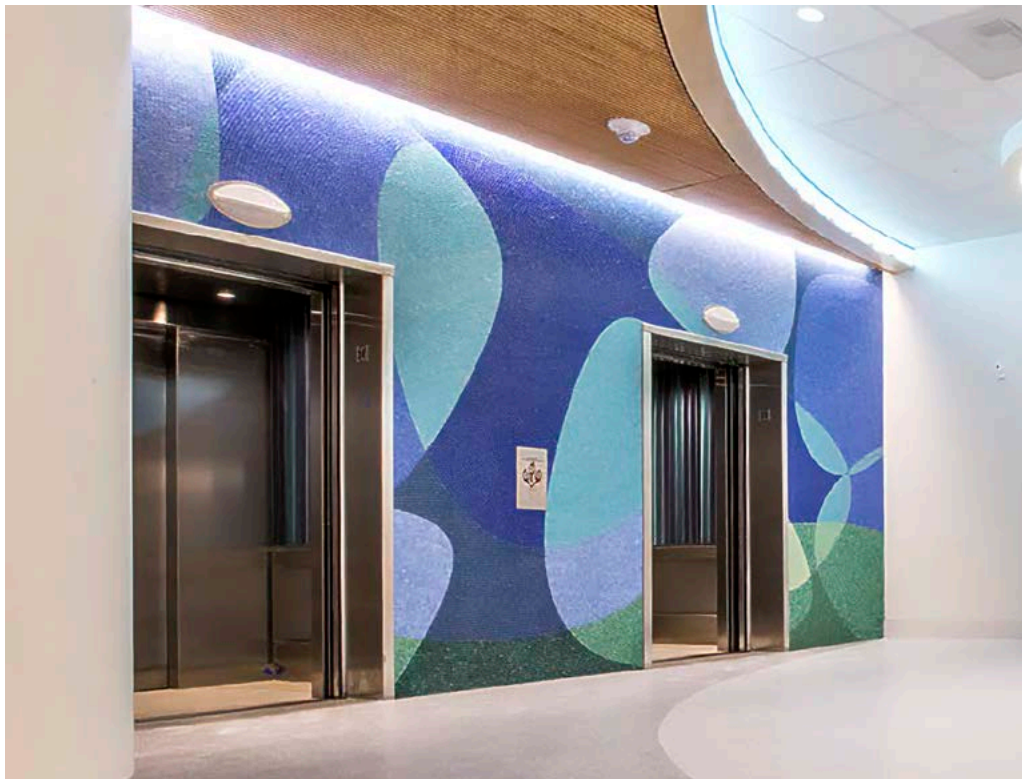
SICIS



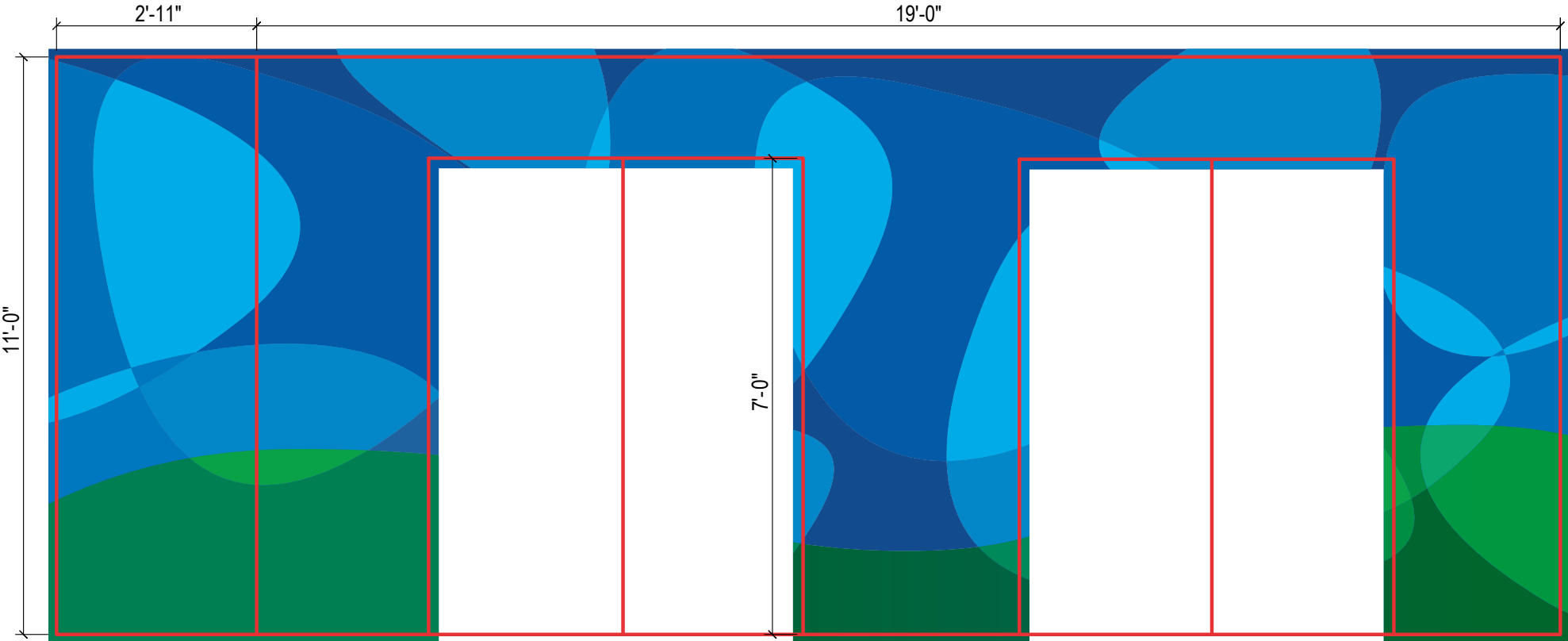
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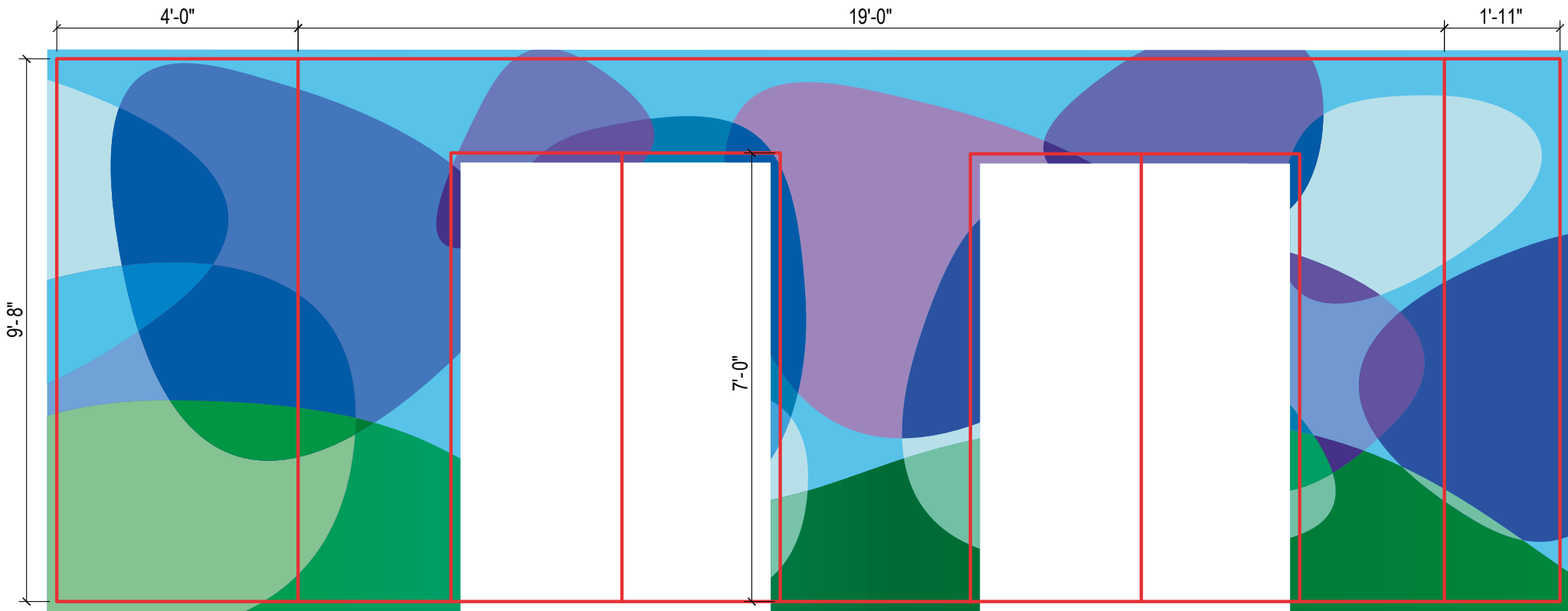
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CT-41 - ELEVATOR LOBBY - GROUND FLOOR



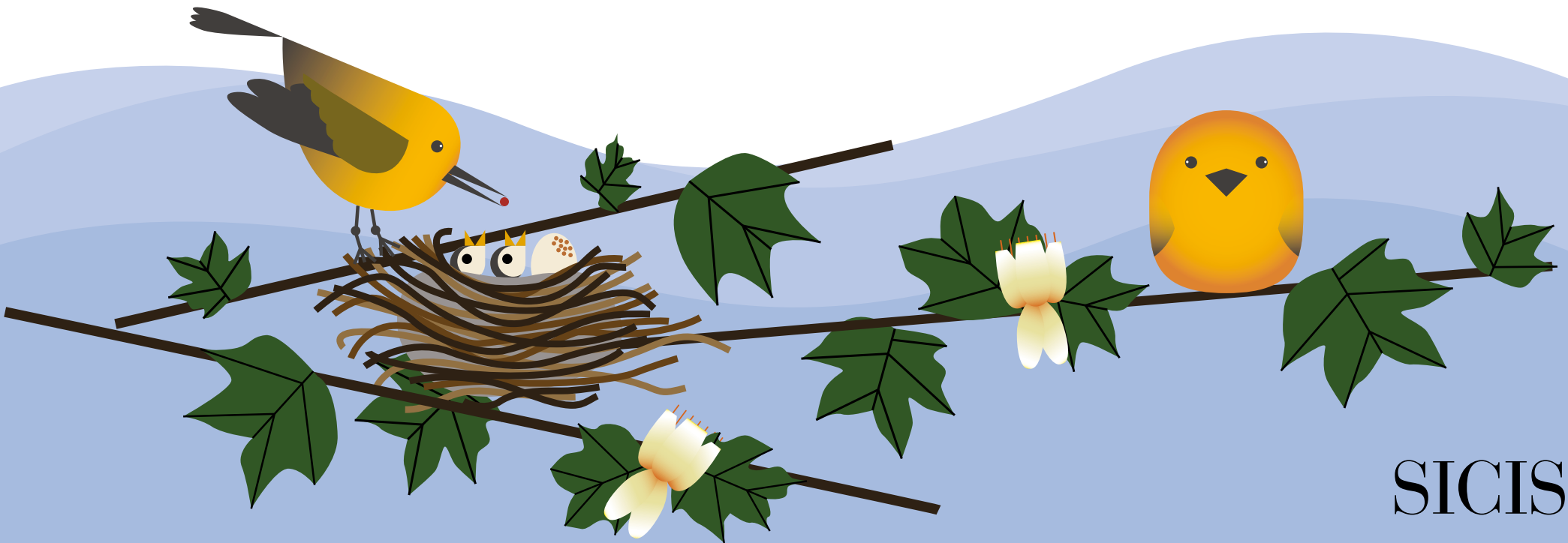
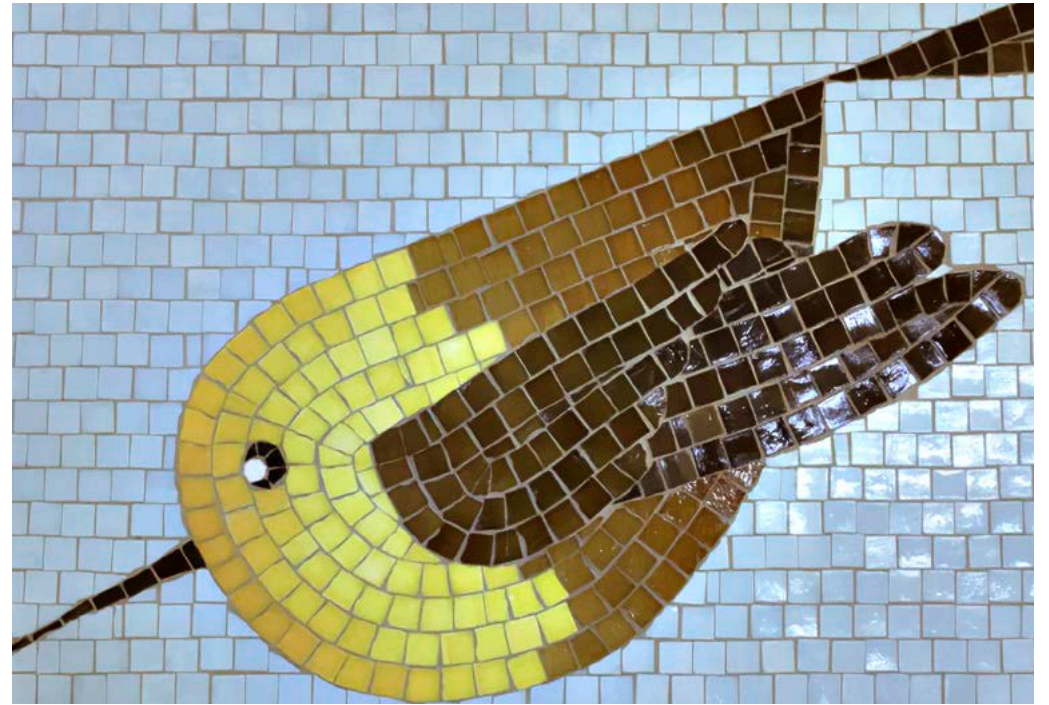
CT-40 - ELEVATOR LOBBY - 1ST FLOOR



SICIS



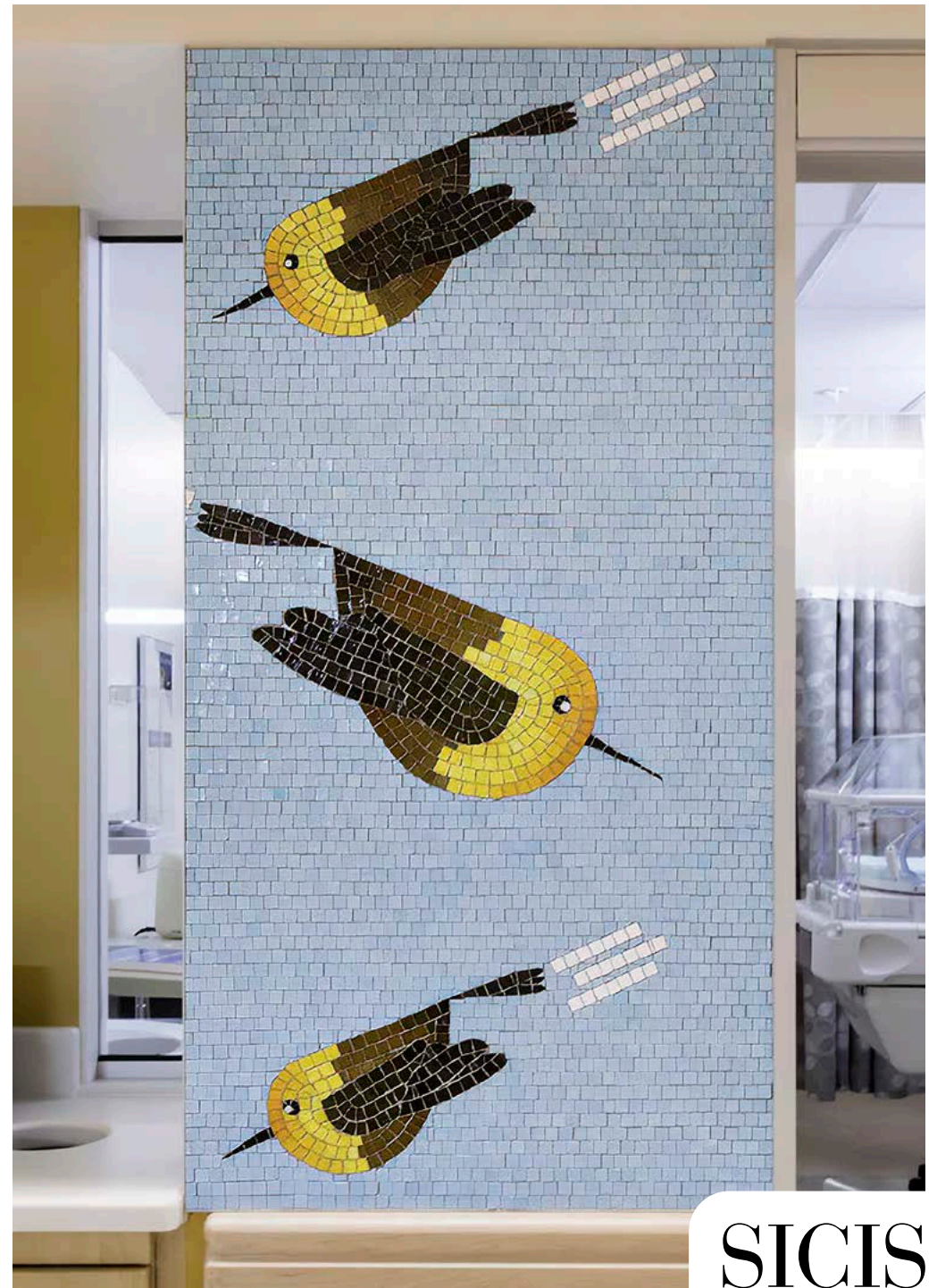
SICIS



SICIS



SICIS



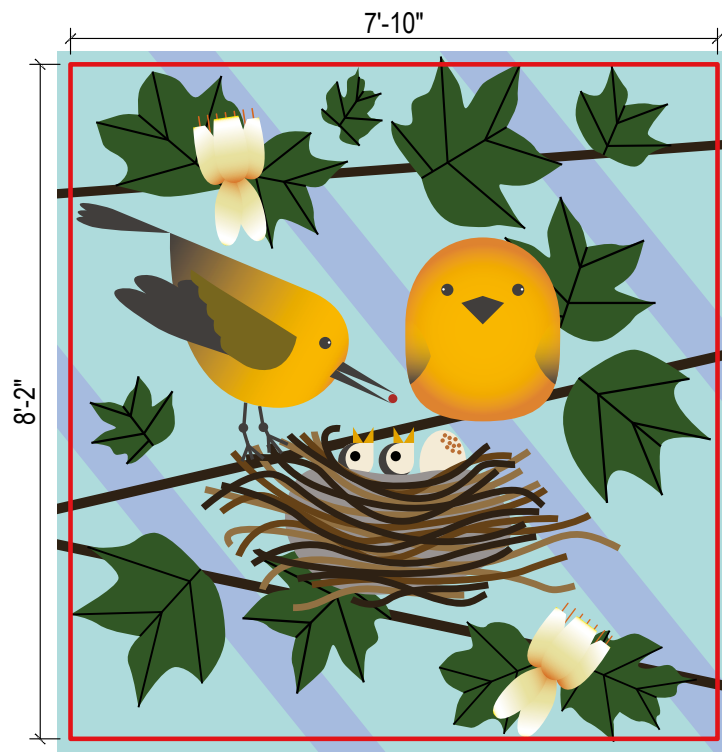
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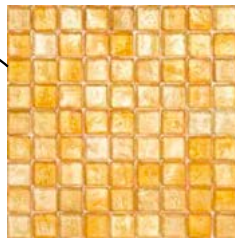
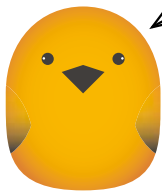
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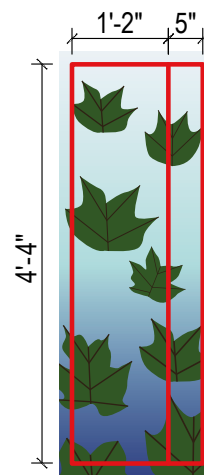
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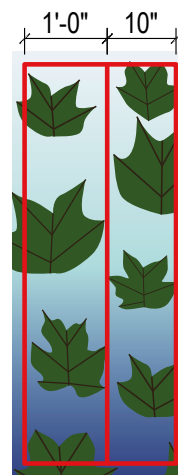
CT-13
WARBLER



KEY SICIS TILE COLOR:
05 SUNDANCE
(PERIMETER OF BIRD)



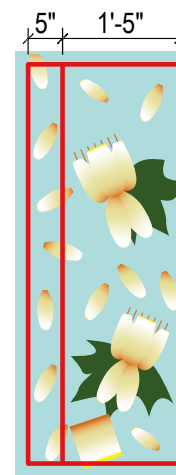
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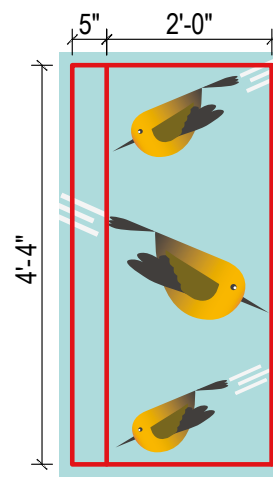
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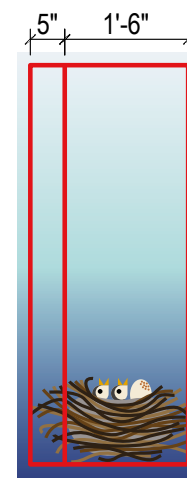
CT-13B



CT-13B



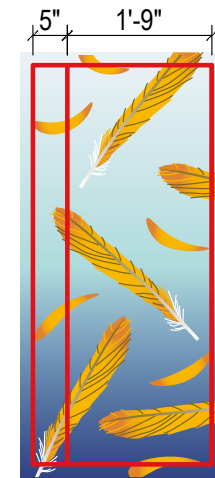
CT-13C



CT-13D



CT-13E



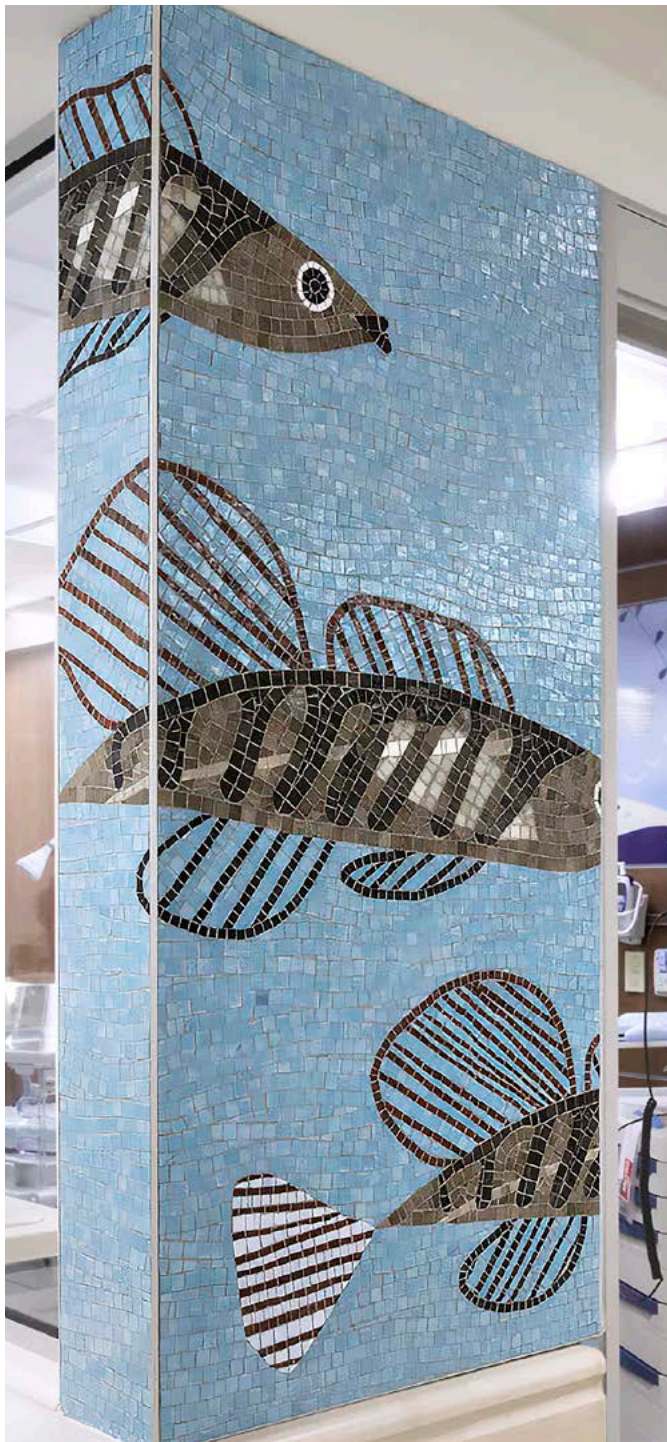
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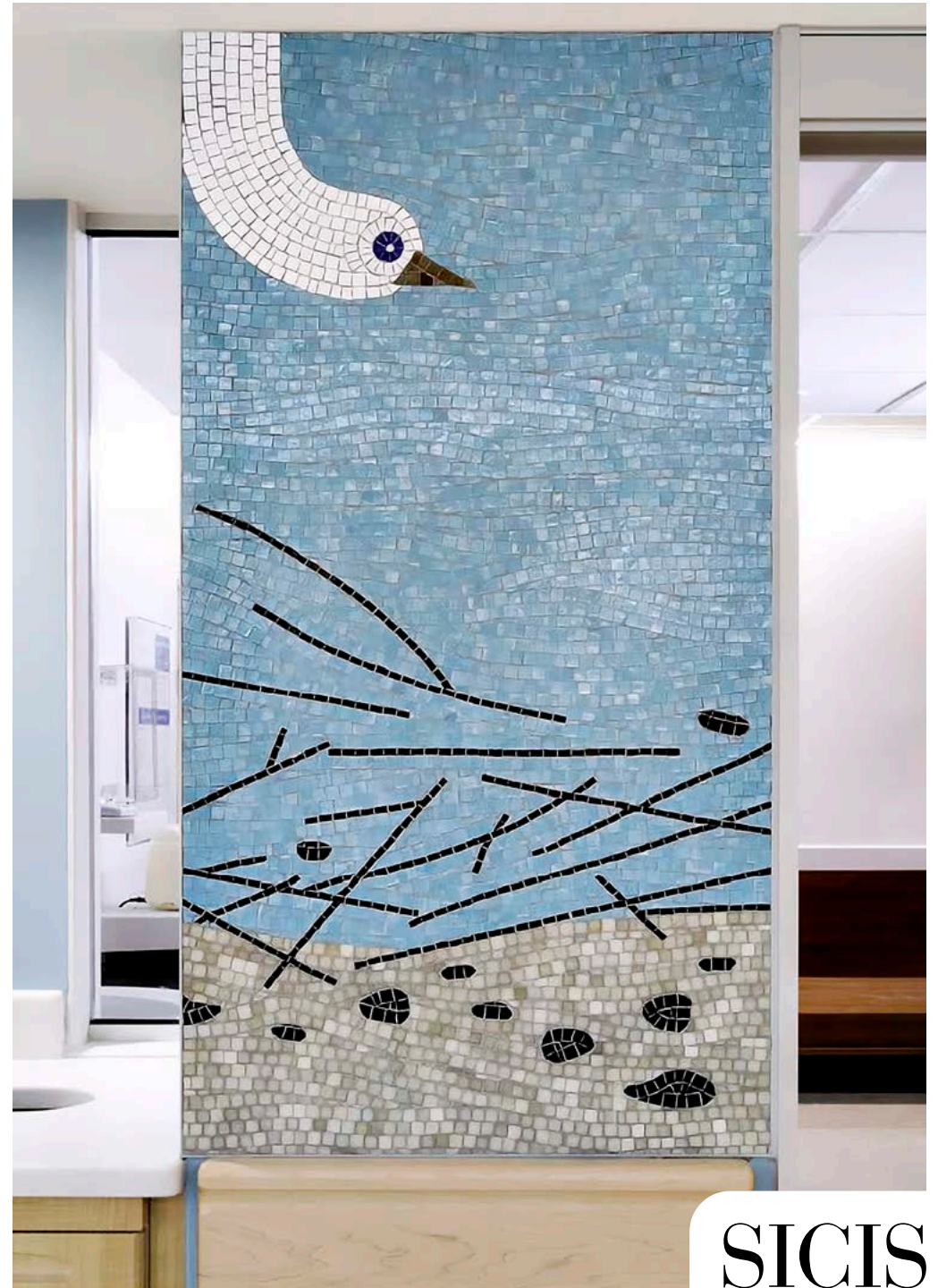
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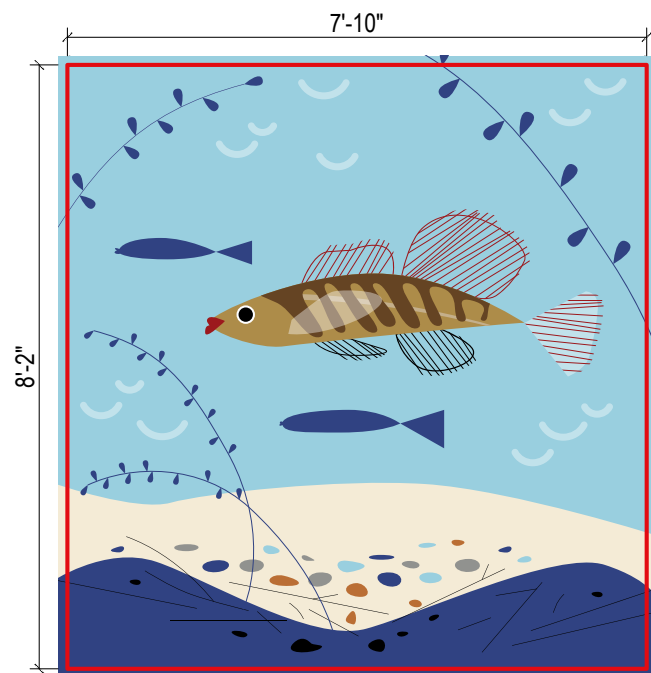
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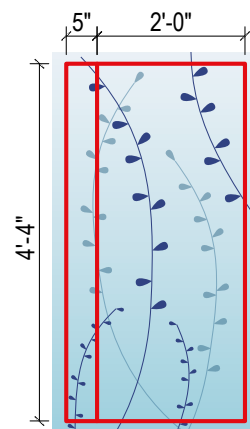
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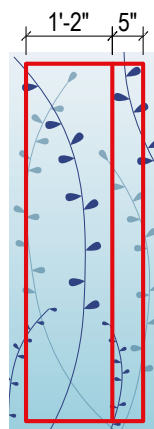
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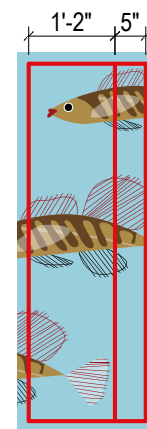
FISH



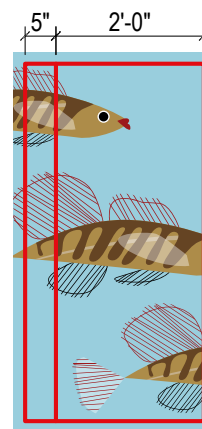
CT-12A.1



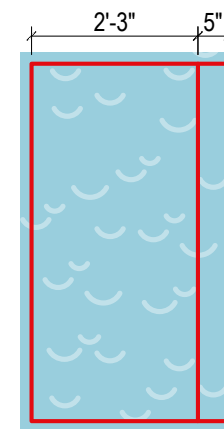
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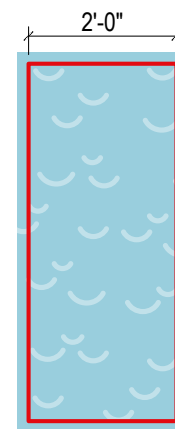
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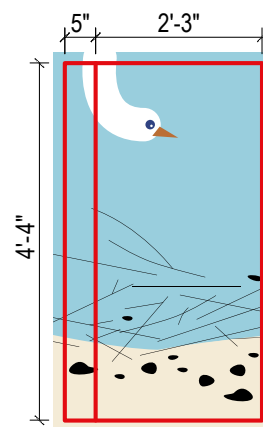
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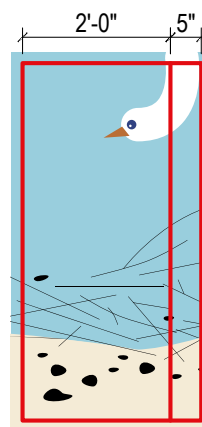
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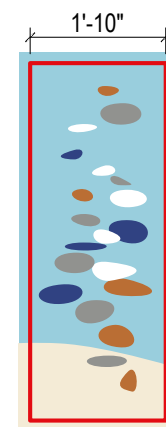
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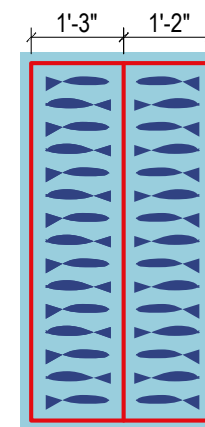
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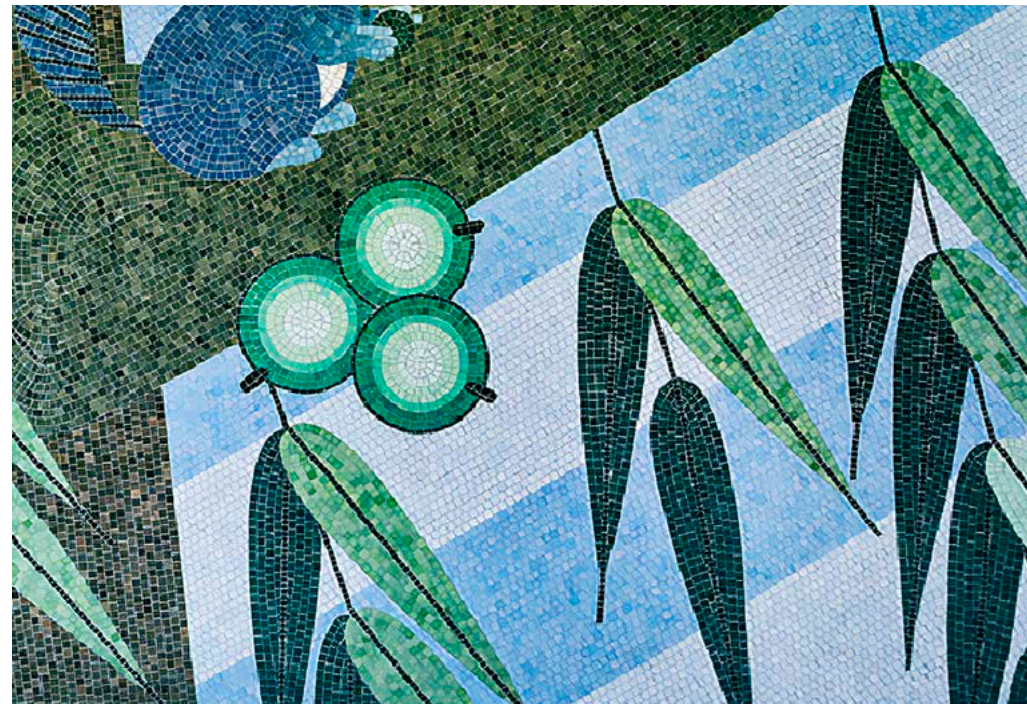
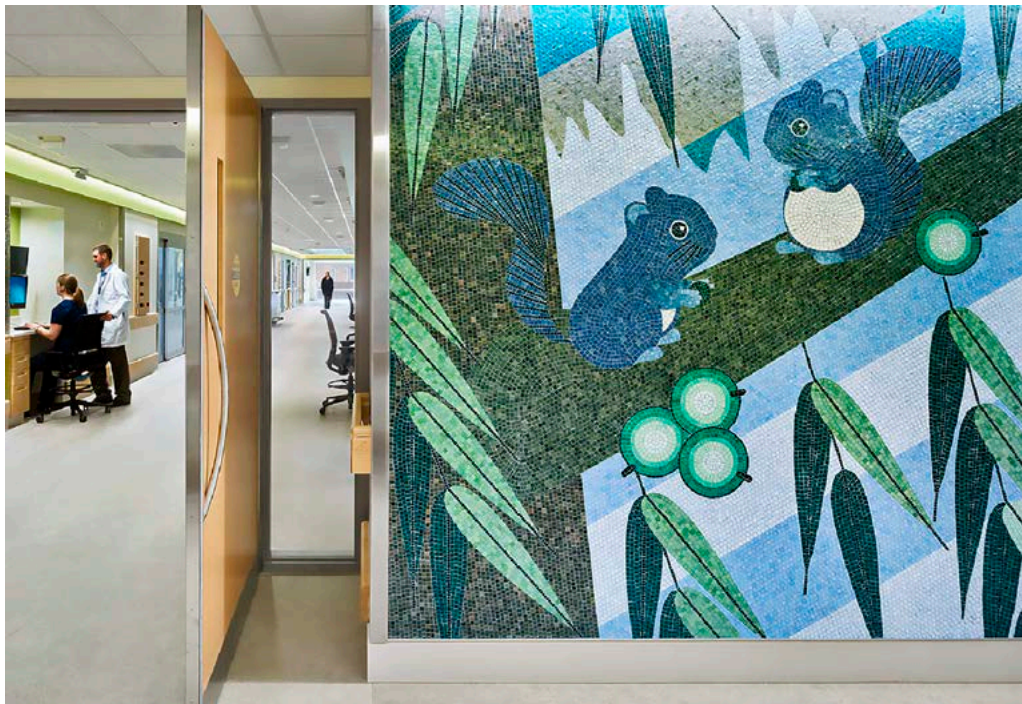
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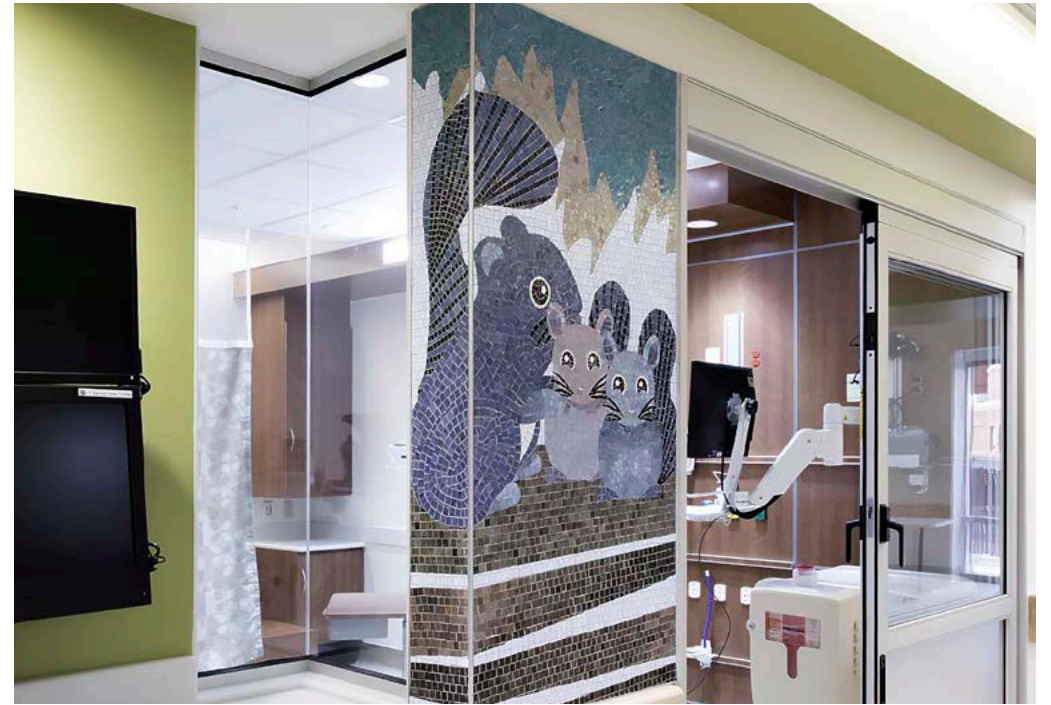
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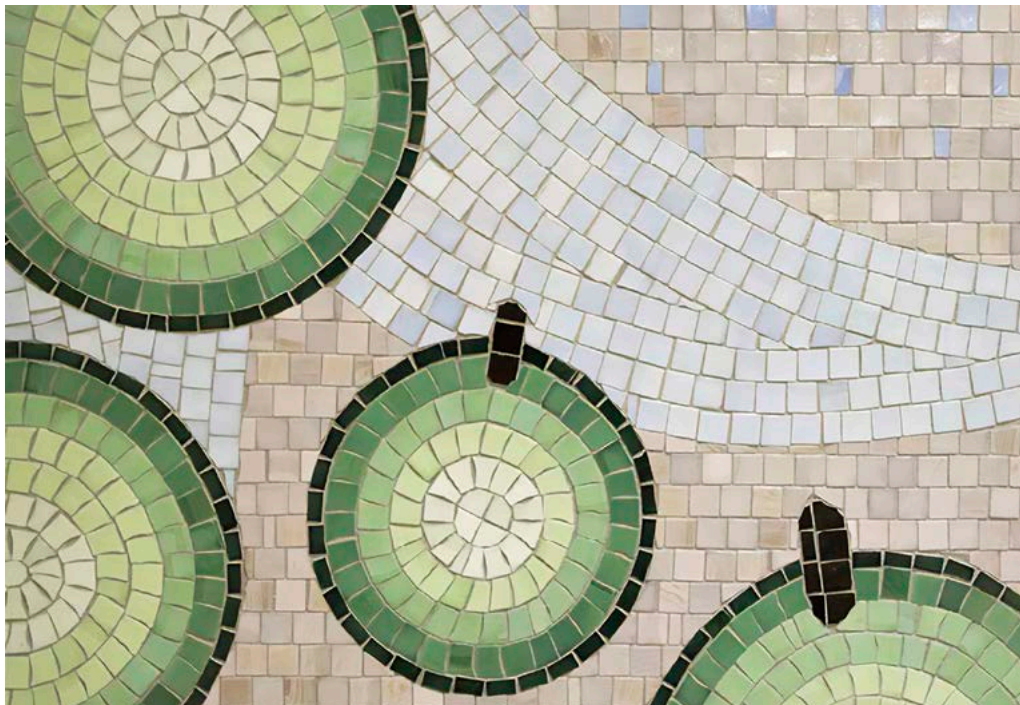
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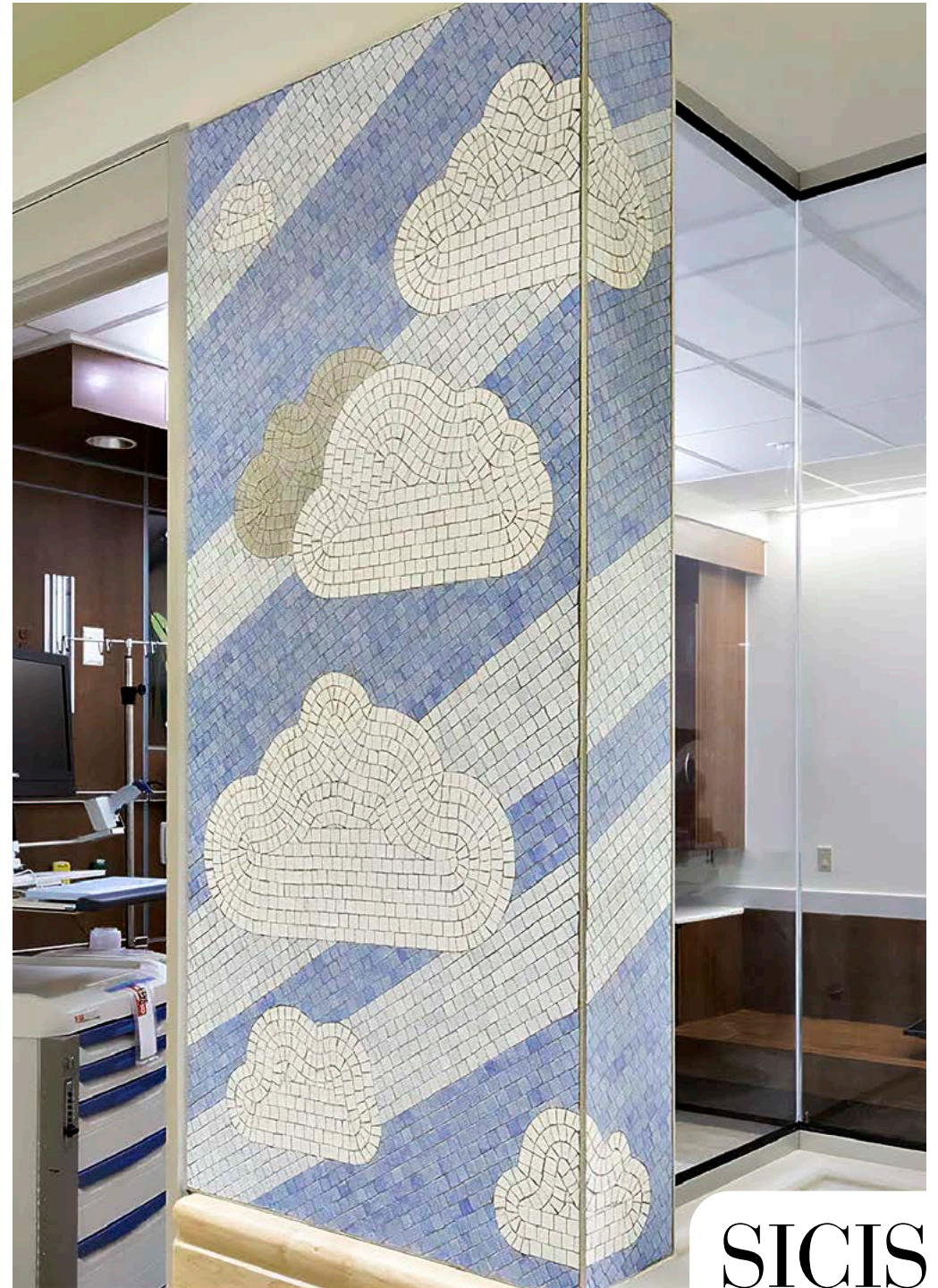
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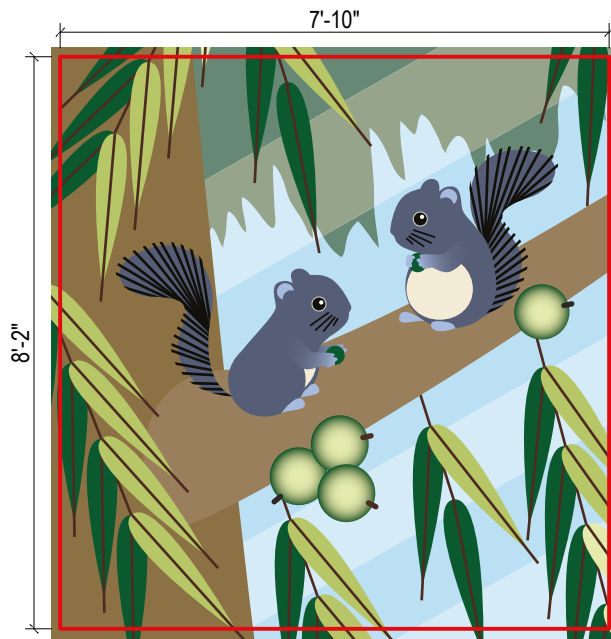
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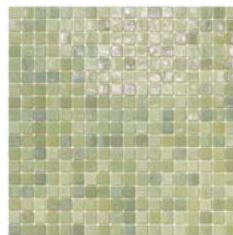
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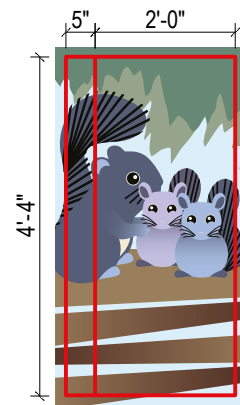
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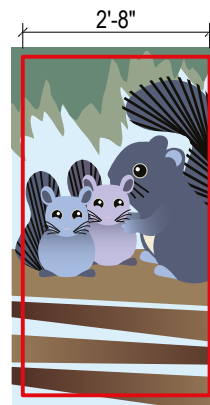
CT-11
SQUIRREL



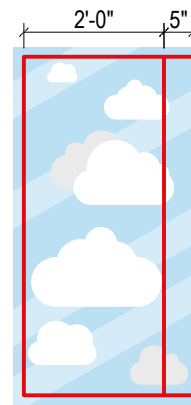
KEY SICISTILE COLOR:
LICHEN



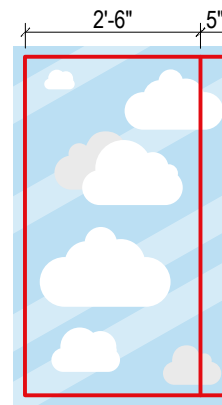
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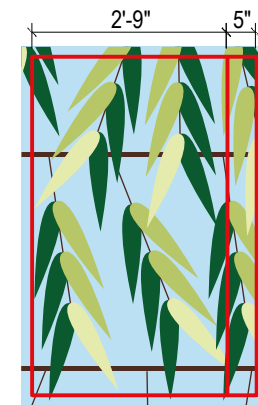
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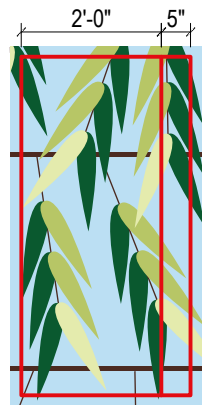
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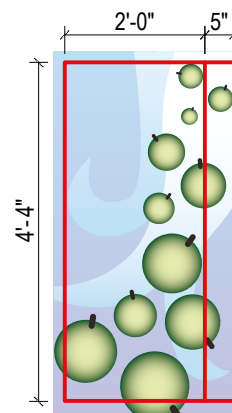
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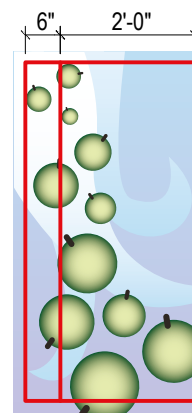
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CT-11C.2



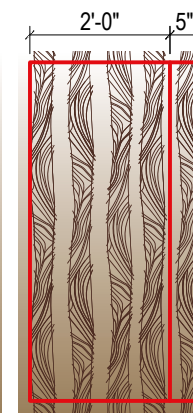
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CT-11E.2



CT-11F.1



CT-11F.2



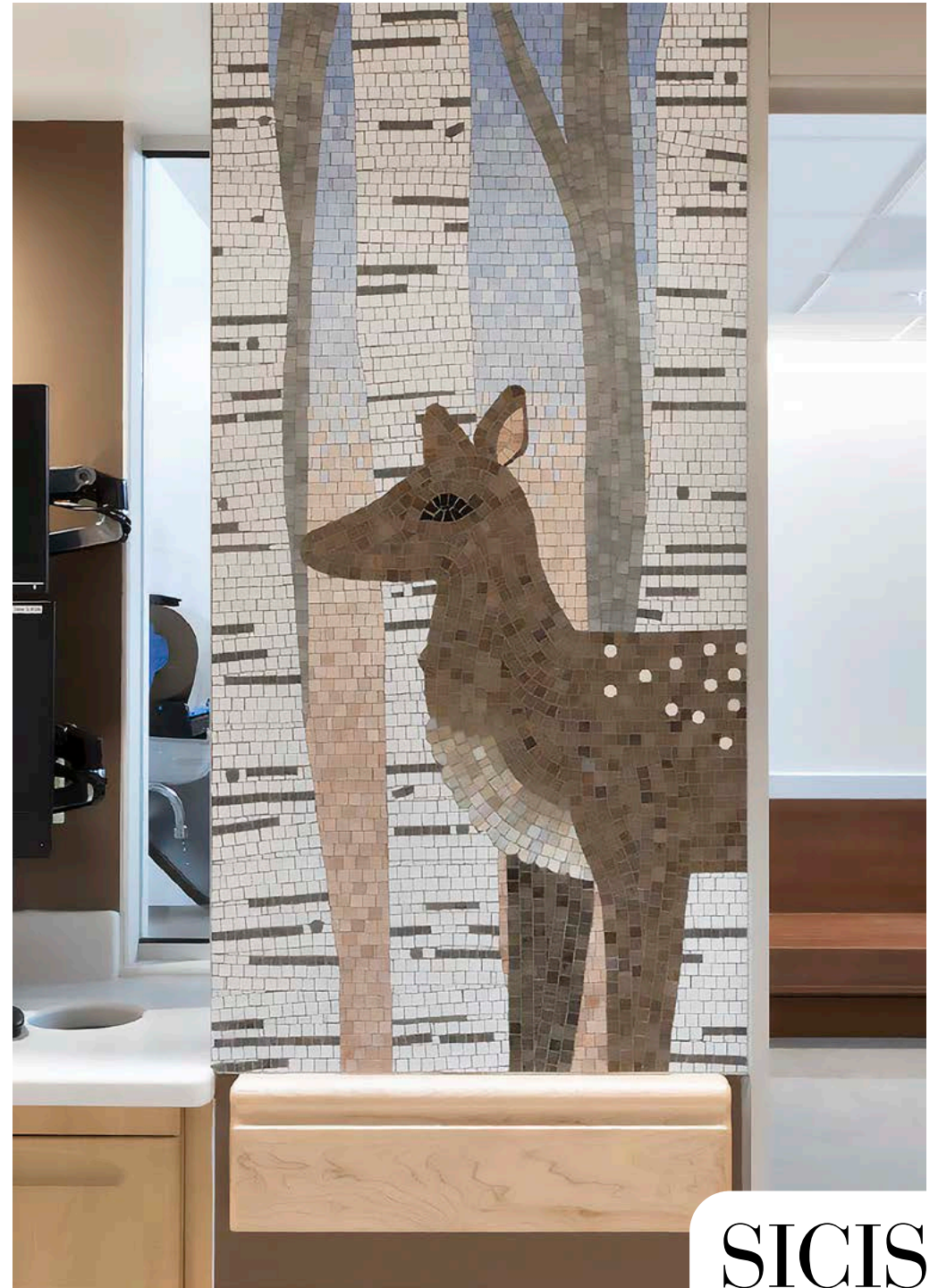
SICIS



SICIS



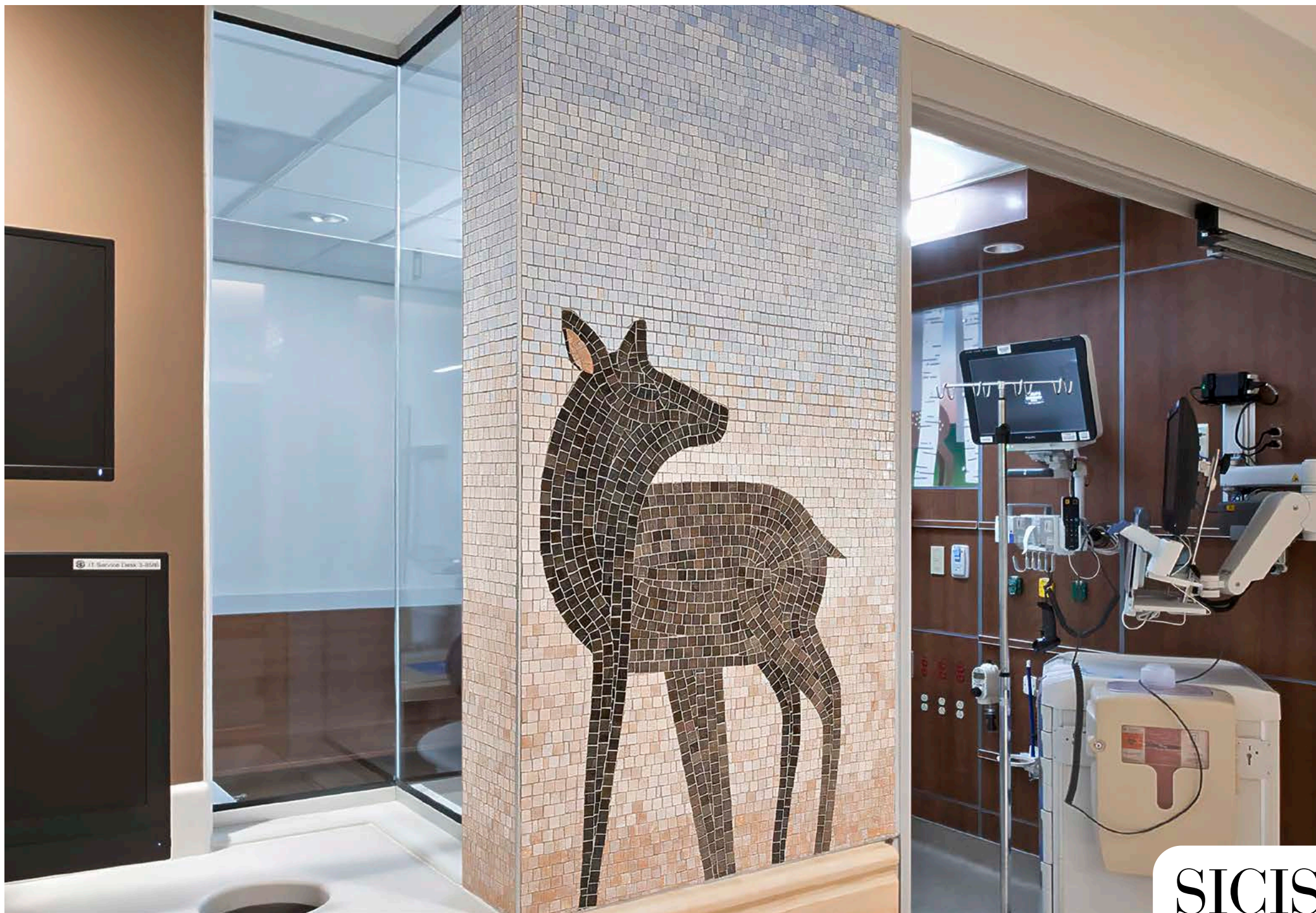
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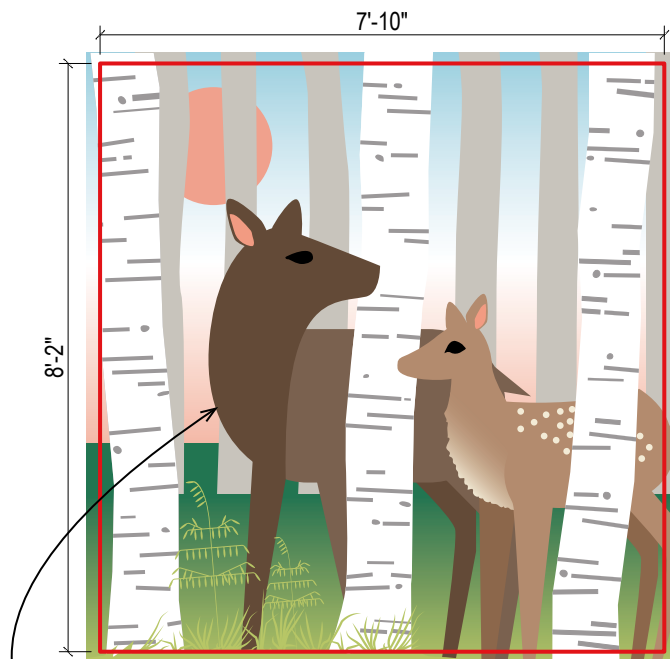
SICIS



SICIS



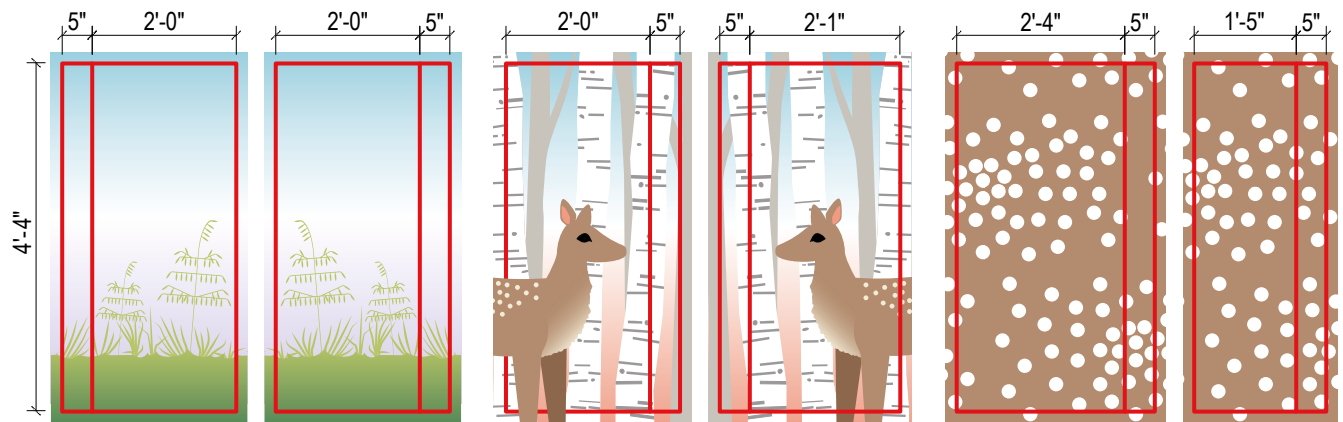
SICIS



CT-14
ELK



KEY SICISTILE COLOR:
ROSEWOOD



CT-14A.1

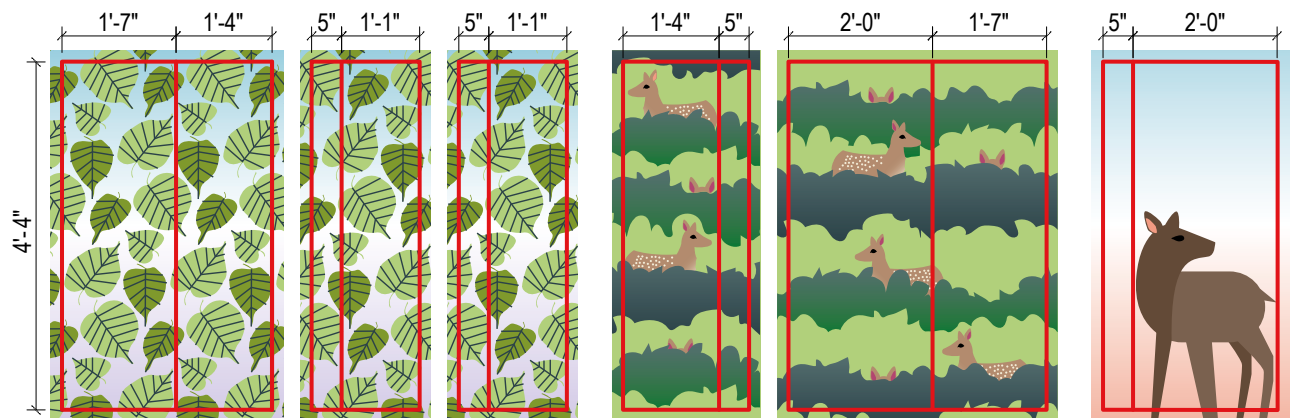
CT-14A.2

CT-14B.1

CT-14B.2

CT-14C.1

CT-14C.2



CT-14D.1

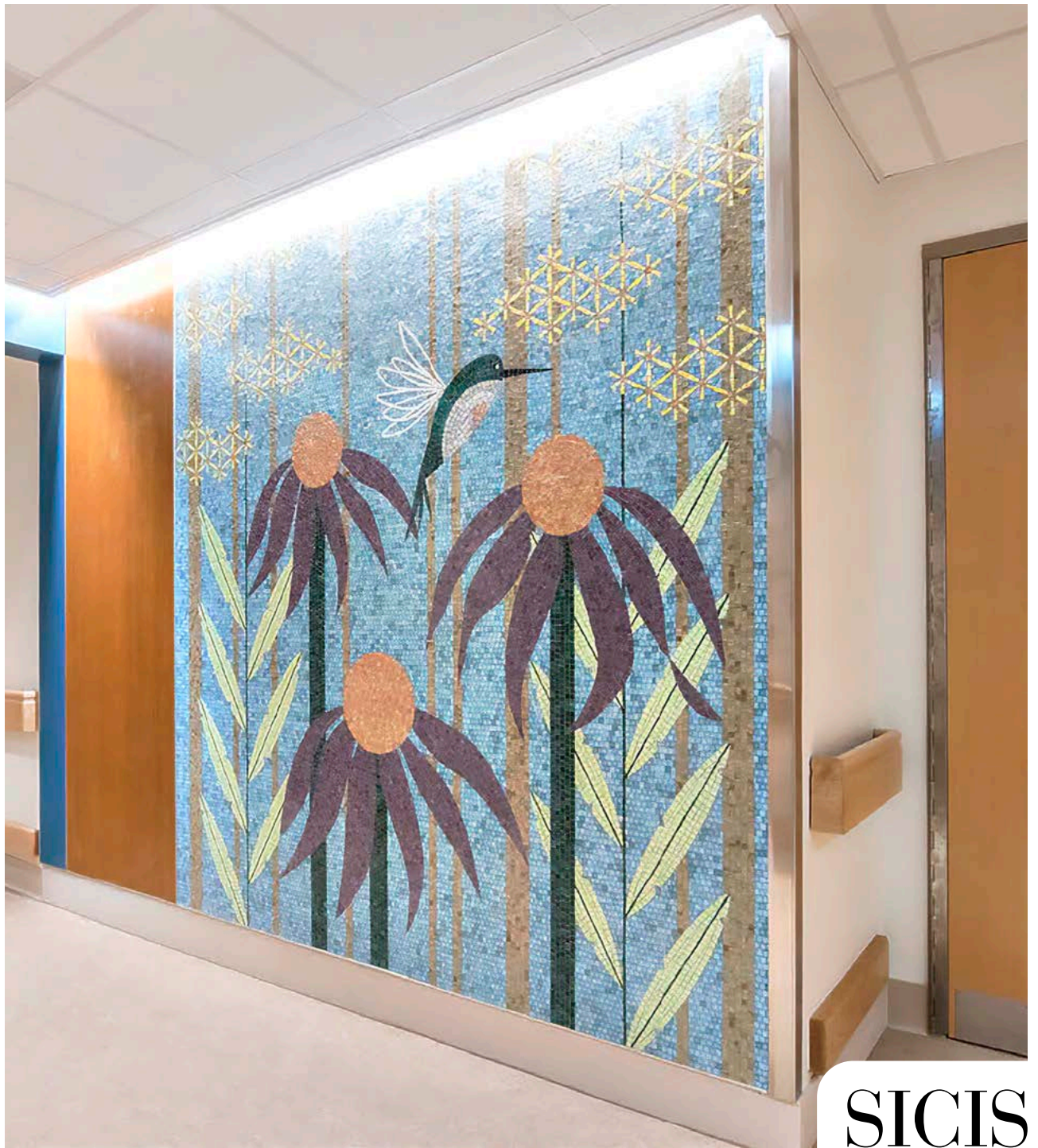
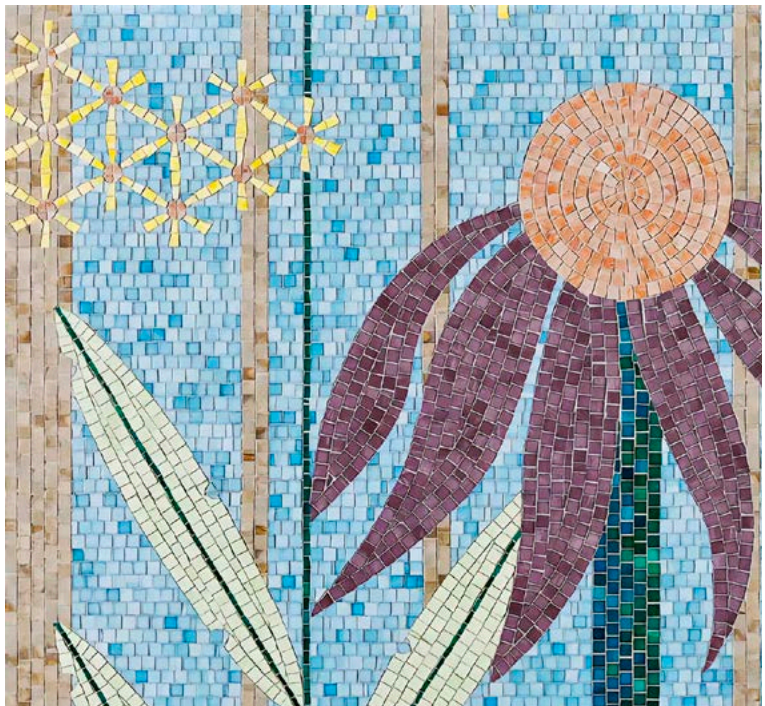
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CT-14D.3

CT-14E.1

CT-14E.2

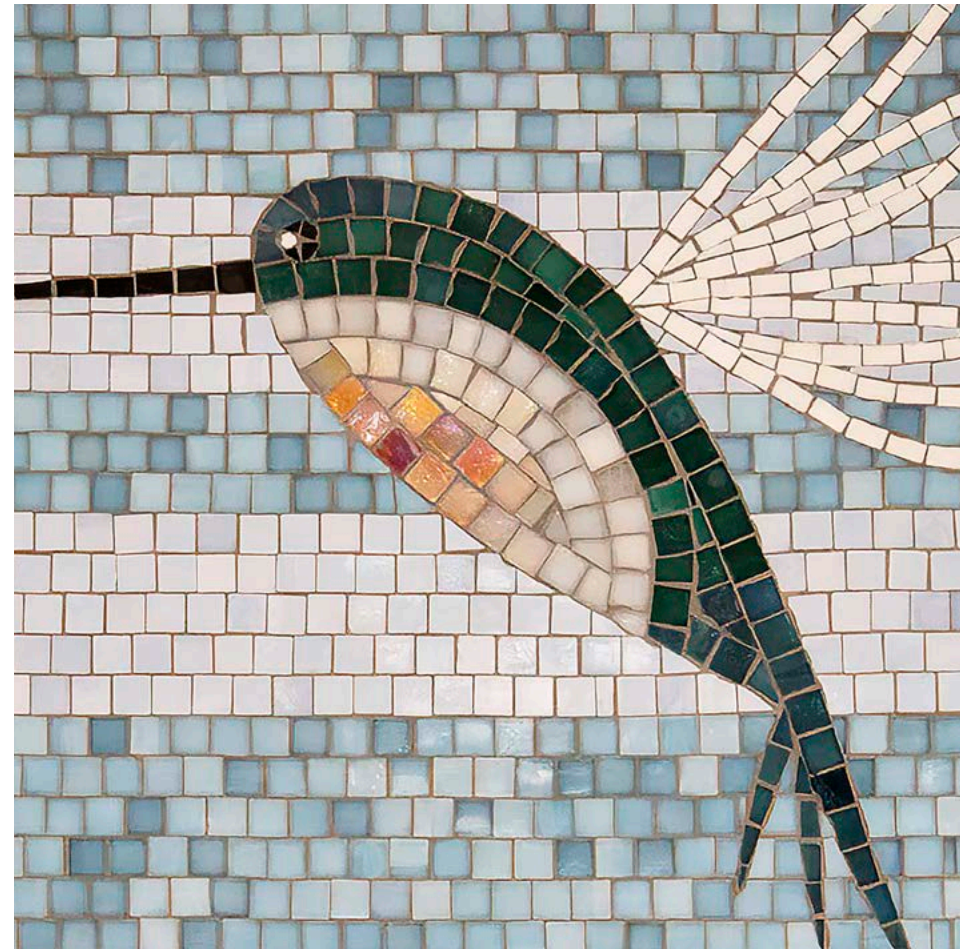
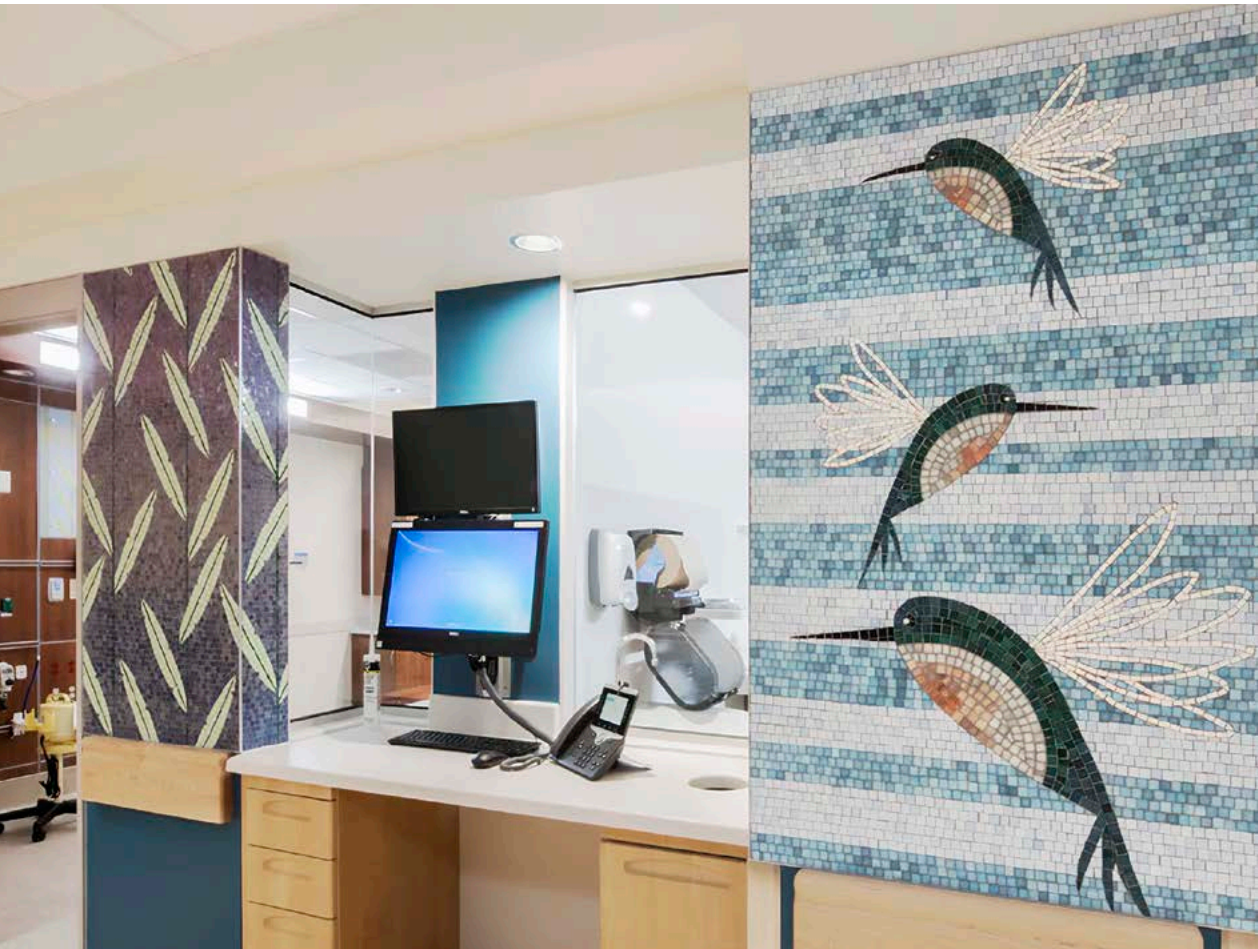
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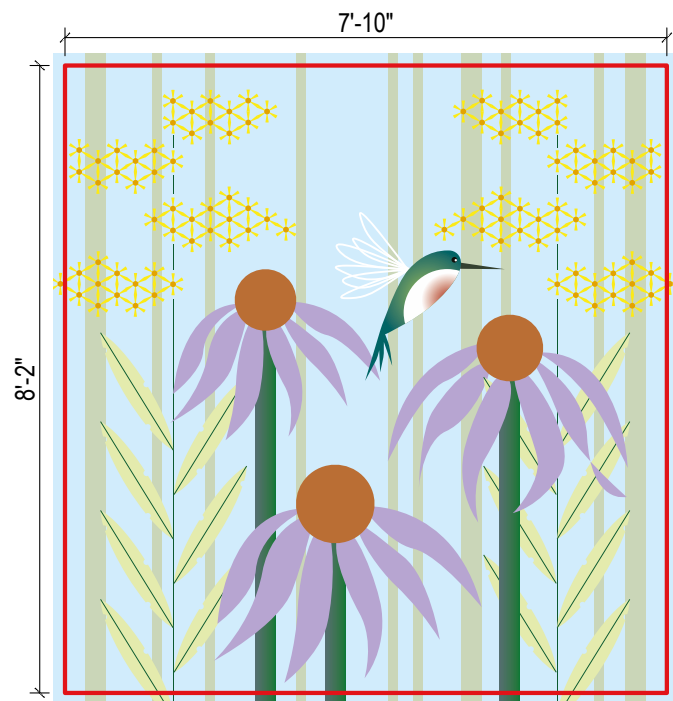
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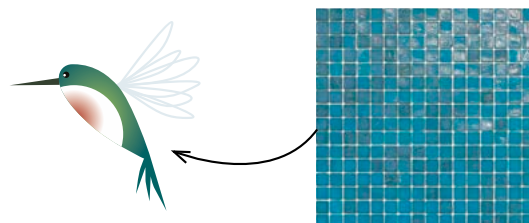
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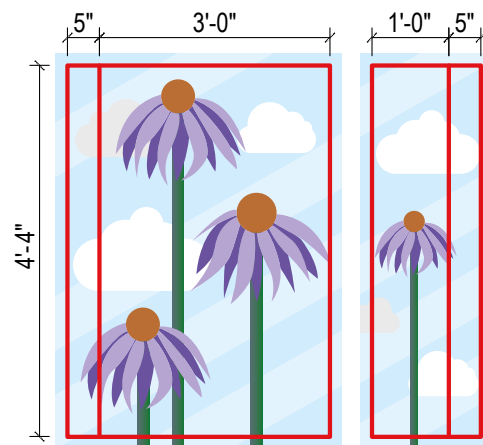
SICIS



CT-15
HUMMINGBIRD

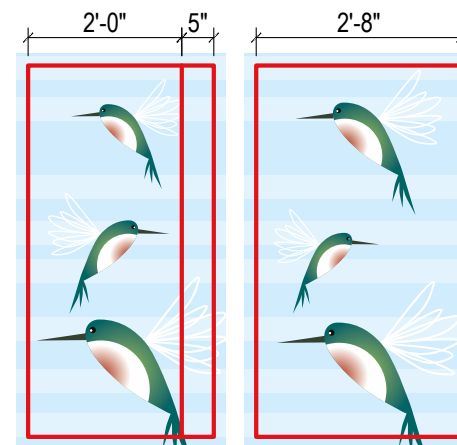


KEY SICISTILE COLOR:
HORIZON



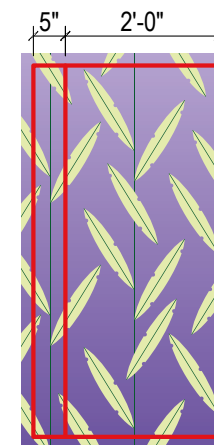
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CT-15A.2

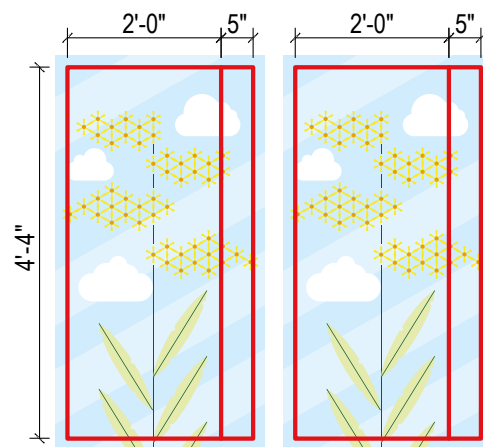


CT-15B.1

CT-15B.2

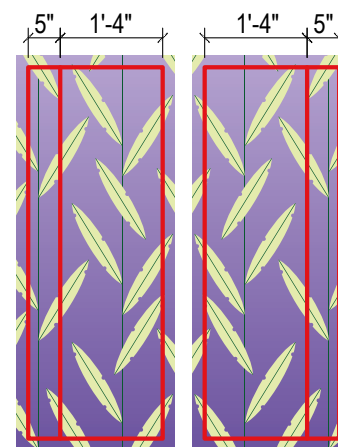


CT-15C.1



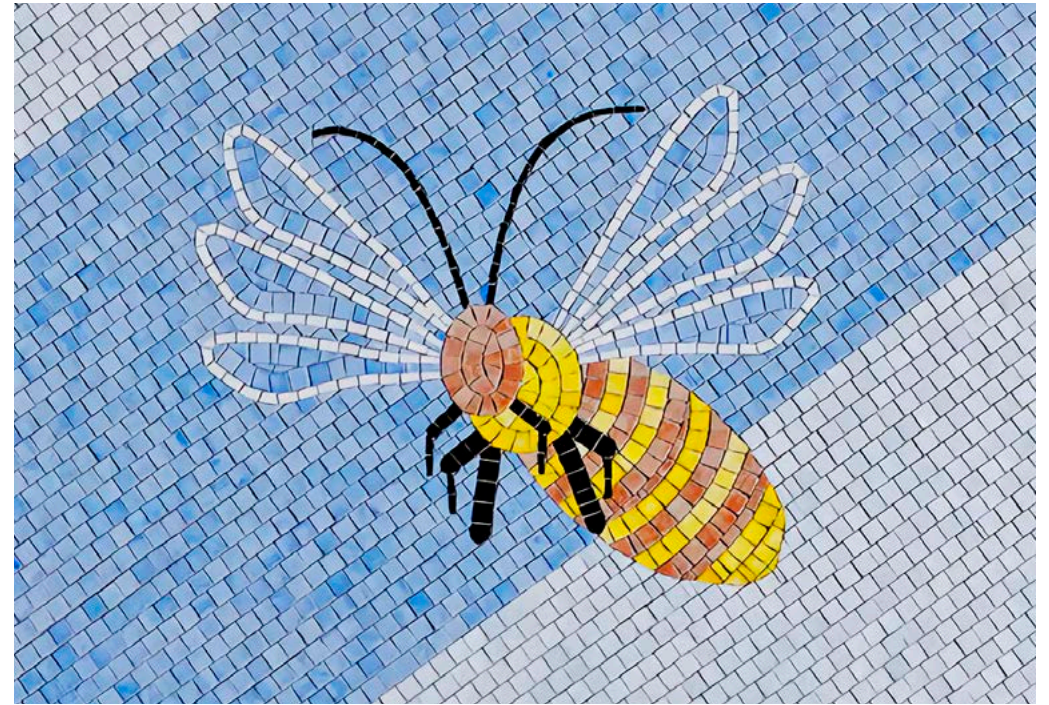
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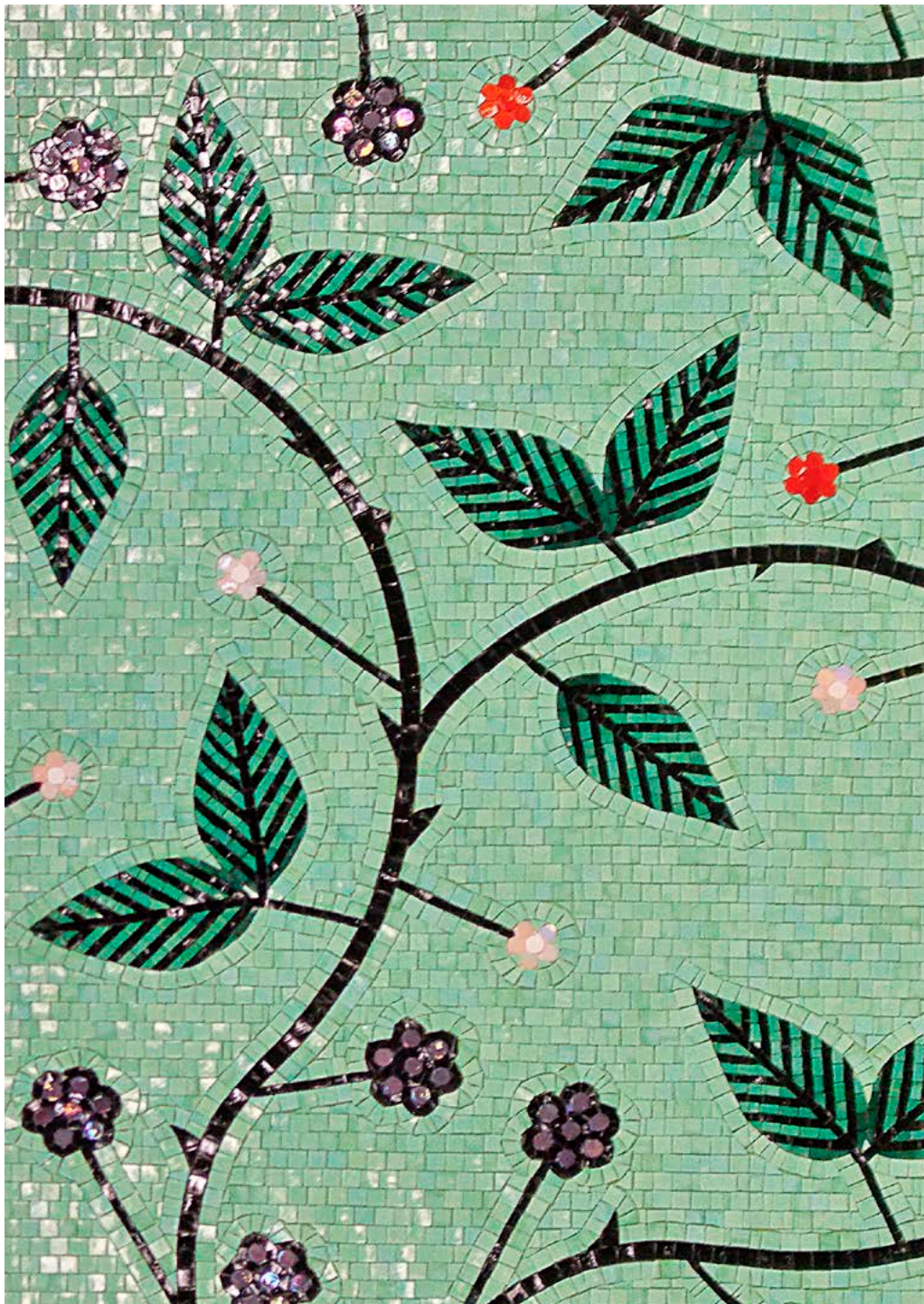


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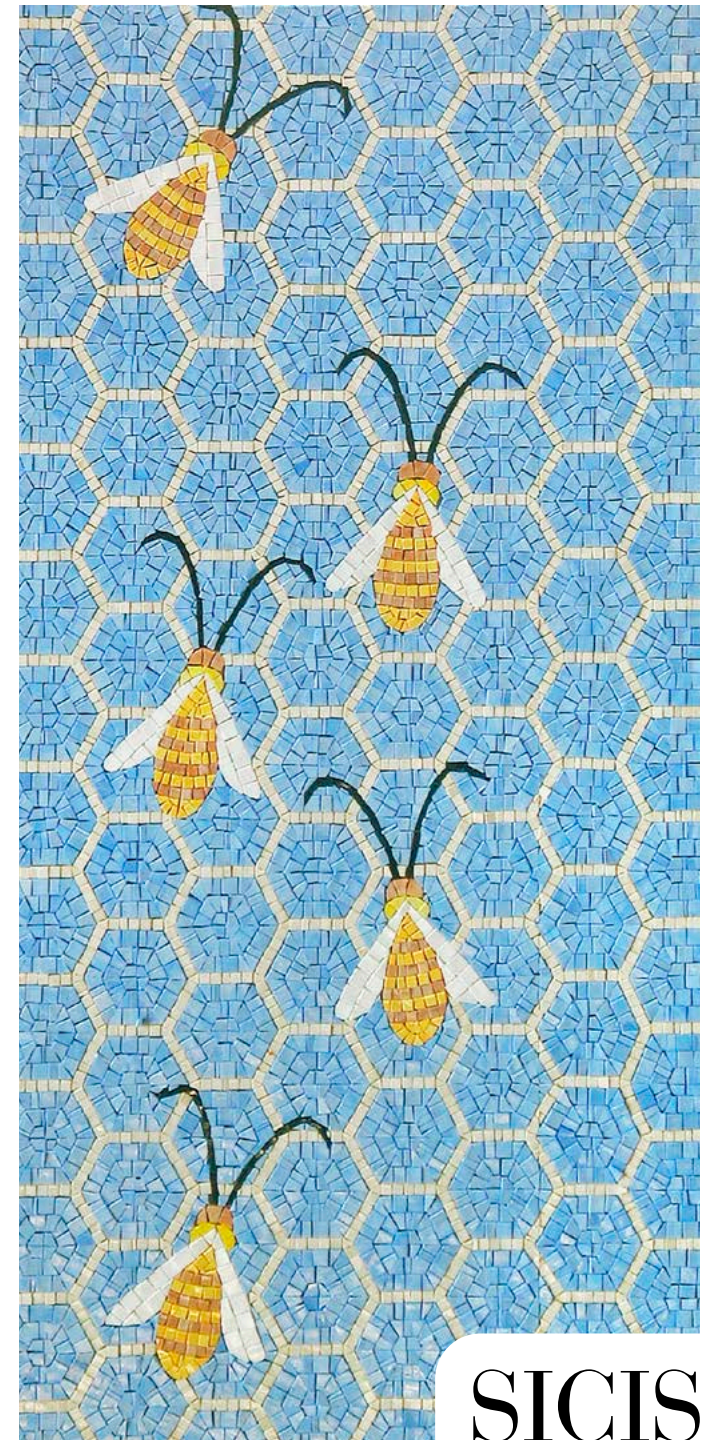
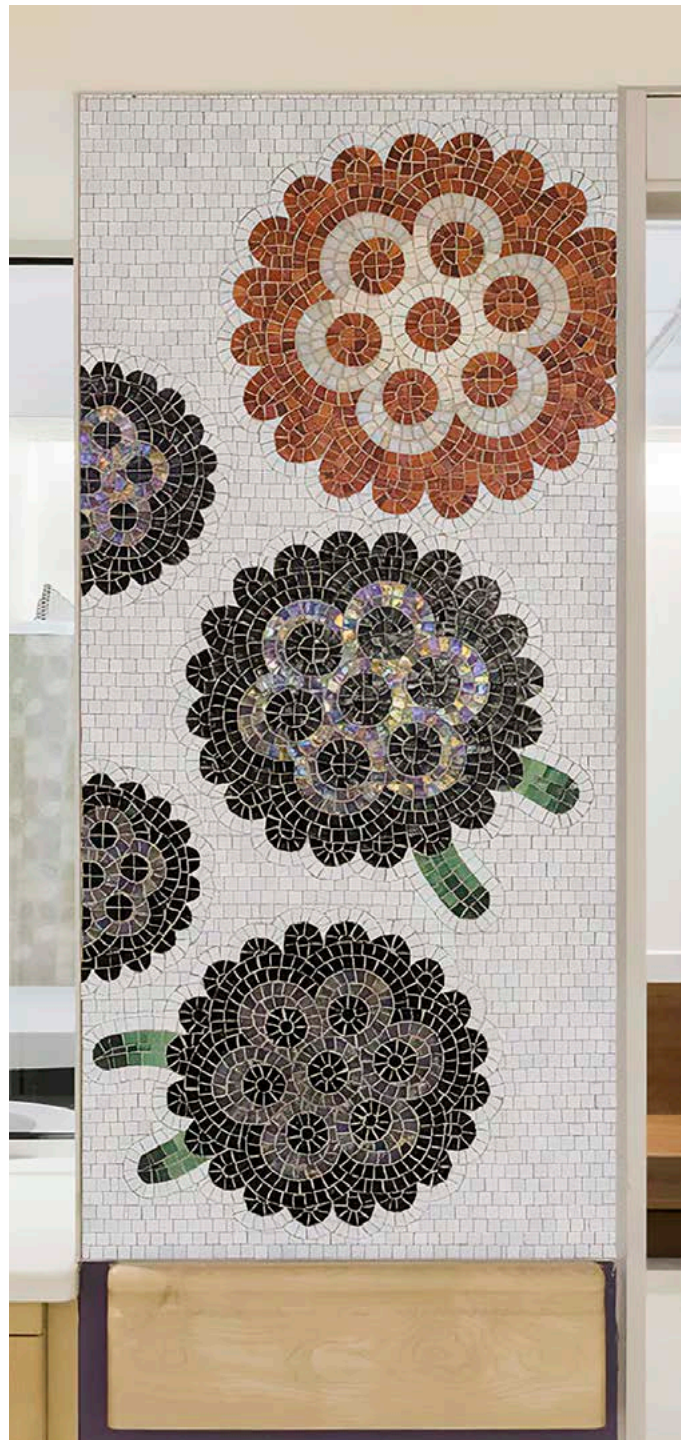
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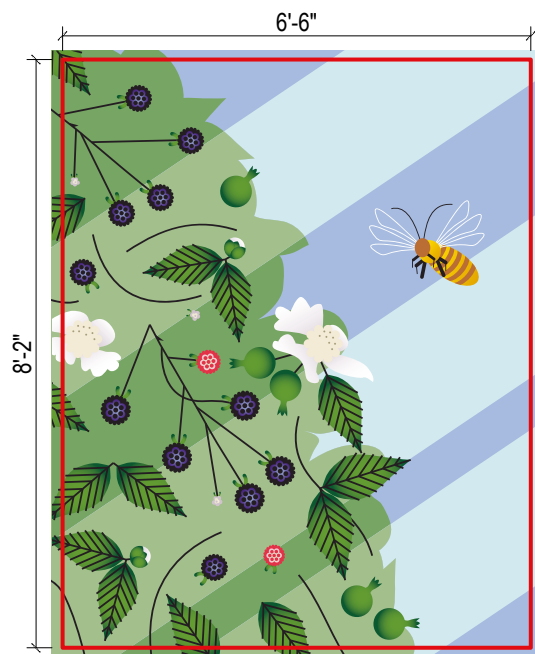
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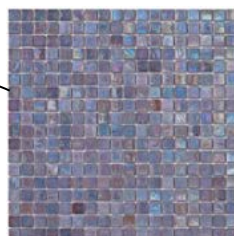
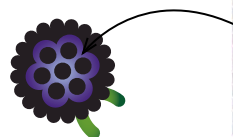
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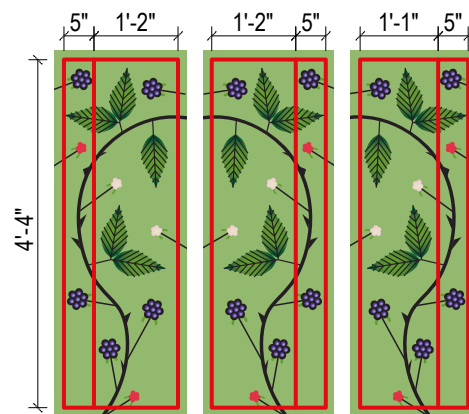
SICIS



CT-10
BLACKBERRIES



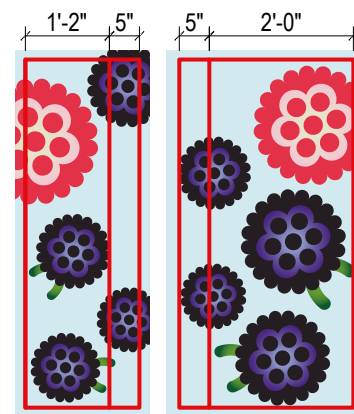
KEY SICIS TILE COLOR:
AZALEA 4
(INNER AREA OF PURPLE BERRY)



CT-10A.1

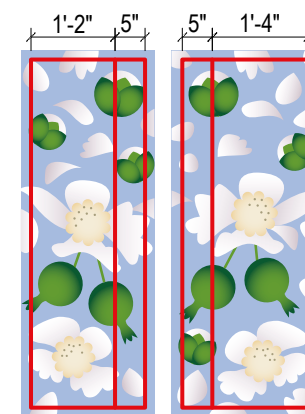
CT-10A.2

CT-10A.3



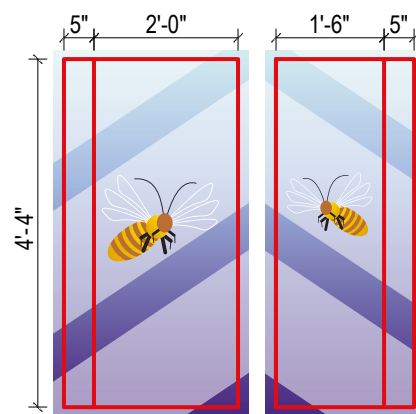
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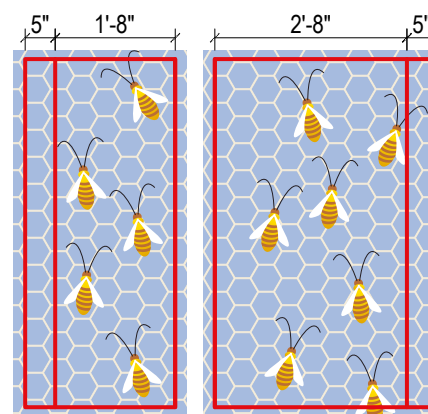
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CT-10C.2



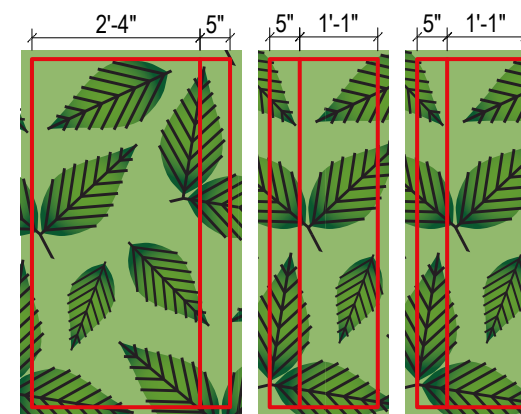
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CT-10D.2



CT-10E.1

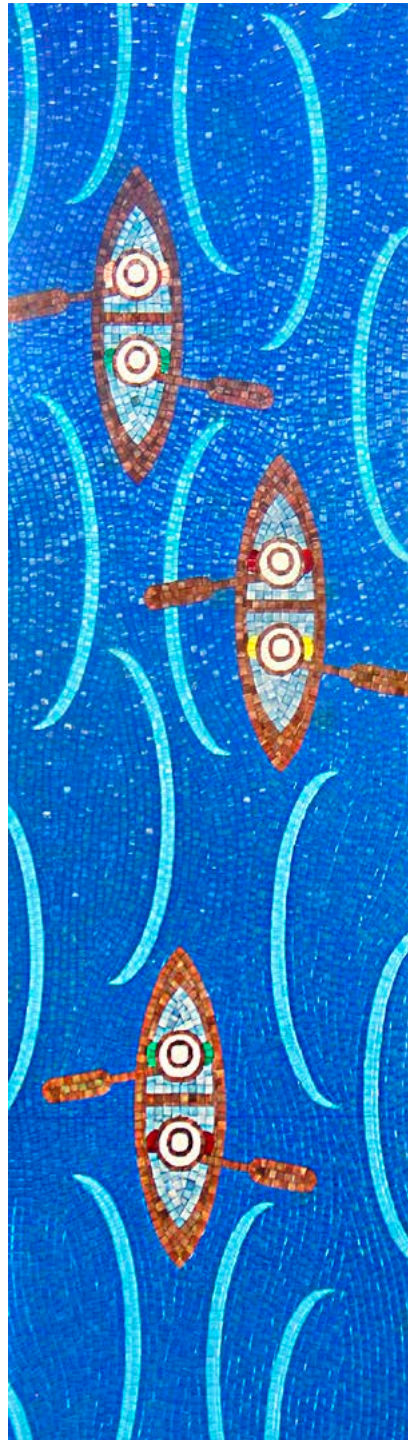
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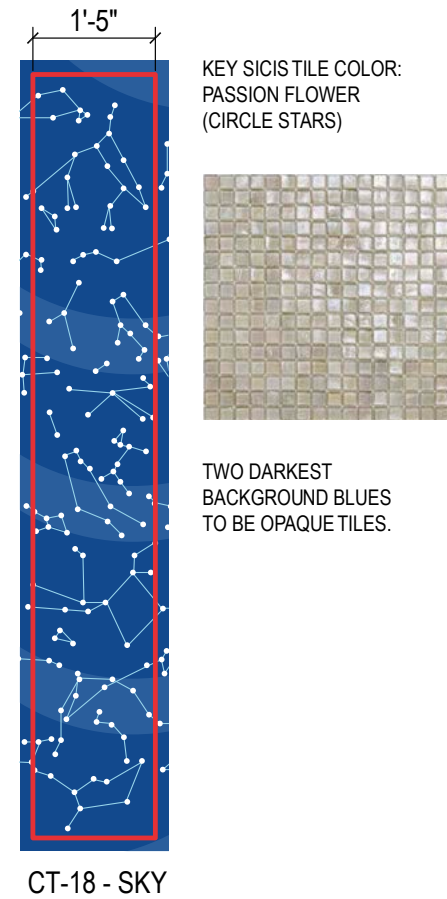
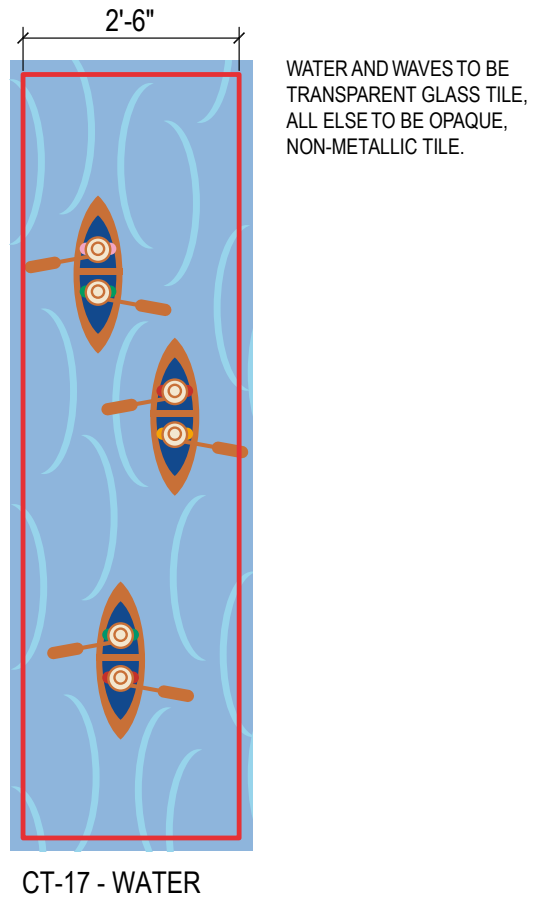
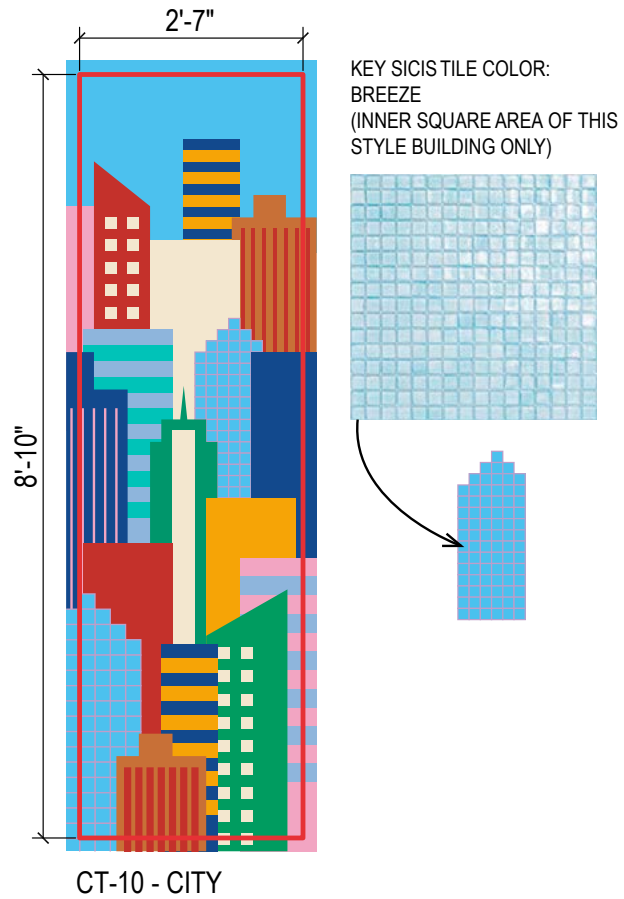
CT-10F.1

CT-10F.2

CT-10F.3



SICIS



MAKING



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***Follow
the Link***



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**The bactericidal properties of
mosaic and Vetrite**



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OnLine**



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