**Architects’ COVID-19 Response:**

**Explore 3D Printing Face Shields and Respirator Masks**

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When AIA Fort Lauderdale member Jeffrey Huber, AIA contacted AIA Florida, he already had his office’s 3D printers and those at Florida Atlantic University, where he is the Interim Director and Associate Professor at the School of Architecture, printing face shields to provide to health care professionals. He is creating a COVID consortium of several makers to help meet Broward County's demand. COVID-19 has left medical facilities facing the dire situation of running out of N95 face masks and face shields. 3D-printing these face shields is one way architects can help address this need, and ultimately each health care facility can determine whether the masks are suitable for use and would like to use them. Other organizations that provide food and medicine delivery are in need as well.

"There's an opportunity for architects to meet health care professionals' urgent need for personal protective equipment right now by printing these face shields," stated Huber.

Architects can pitch-in in one of two ways – they can either use their 3D printers to print the face shields and/or they can donate transparency film they have on-hand to those who are printing the shields. The University of Southern California files can be found [**here**](https://www.thingiverse.com/thing%3A4225667?fbclid=IwAR32ATkkhEwXQ2Xa_xTyk30lUZqnZzVekz3KT_NWsGU4c9hQrMyGwwFqq54). The face shield file link can be found [**here**](https://www.sabinlab.com/operation-ppe).

Interested architects can connect directly with local health care facilities and non-profit organizations that provide essential services regarding their needs and desire to use these masks, as well as delivery. According to Huber, these face shields were designed by 3Dverkstan, a Swedish 3D printing consultancy.