

Architectural Engineering Technology

14

Review Article

Open Access

In industry, one common pattern elicited from published exemplar BIM projects was the deployment of a "Big Room" [20]. The AIA coined this term from the Japanese obeya, which is the place where the team members gather, work, and resolve conflicts. The stakeholders generally selected the architectural room as the initial Big Room setting for the conceptualization phase and criteria design phase activities.

The Big Room then moved to the job site for the latter detailed design and implementation documents phases. The purpose was to improve the coordination amongst the design disciplines then between the designers and construction entities. The Big Room illustrates a shift from performing services at discrete locations towards an open design studio without the physical or competitive barriers. In essence, this industry model is contracting into a university prototype.

In a university setting, the physical place where architectural exploration occurs is a single-room design studio, a home for 12 to 16 students. The studio course accounts for about one-third of the semester

Citation: Hedges KE, Beach DR

Citation:

Citation: Hedges KE, Beach DR

6WURQJ 1 &KDQJH LV QRZ \$,\$UFKLWHFW %HVW 3UDFWLFHV
-RQDVVHQ -2 &KDQJLQJ EXVLQHVW PRGHOV LQ %,0 GULYHQ LQWHJUDWHG
SUDFWL FH \$,\$ 5HSRUW RQ ,QWHJUDWHG 3UDFWLFH
6DZ\HU 7 ,QGXVWU\ LV VHWLQJ WKH VWDJH IRU %,0 FROODERUDWLRQ (QJLQHHULQJ
1HZV 5HFRUG
\$,\$,\$&& ,QWHJUDWHG 3URMHFW 'HOLYHU\ \$ *XLGH 9HUVLRQ \$,\$ 1DWLRQDO
\$,\$ &DOLIRUQLD &RXQFLO
'LDPRQG 50 &XUULFXOD DQG FRXUVHV \$GPLQLVWUDWLYH LVVXHV ,Q 50
'LDPRQG (G)LHOG *XLGH WR \$FDGHPLF /HDGHUVKLS SS 6DQ
)UDQFLVFR -RVVH\ %DVV
7KHDOO 0 (YDOXDWL RQ DQG DVVHVVPHQW \$Q LQVWLWXWLRQDO FRQWH[W ,Q
50 'LDPRQG (G)LHOG *XLGH WR \$FDGHPLF /HDGHUVKLS SS 6DQ
)UDQFLVFR -RVVH\ %DVV
9. +HGJHV . ('HQJHU \$6)URP LQWHJUDWHG SUDFWL FH WR LQWHJUDWHG
DFDGHPLFV %,0 LQ WKH FODVVURRP ,Q 0\$ 0RXQD\DU * &UX] & %RYH (GV
'HVLJQ &RPPXQLFDWL RQV \$VVRFLDWL RQ WK \$QQLYHUVDU\ &RQIHUHQFH 3URFHG LQJV
SS 0XQFLH ,1 %DOO 6WDWH 8QLYHUVLW\
7UHQGV LQ WKH 3URIHVVL RQV 7DVN *URXS 7UHQGV LQ WKH SURIHVVLRQV
GLVFXVVL RQ JURXS 5HSRUW WR WKH 1\$\$% \$FFUHGLWDWL RQ 5HYLHZ &RQIHUHQFH
7UHQGV LQ (GXF DWLRQ 7DVN *URXS 7UHQGV LQ HGXF DWLRQ GLVFXVVL RQ JURXS
5HSRUW WR WKH 1\$\$% \$FFUHGLWDWL RQ 5HYLHZ &RQIHUHQFH
1DWLRQDO \$UFKLWHFWXUDO \$FFUHGLWLQJ %RDUG ,QF 1\$\$% FRQGLWLRQV IRU
accreditation.
%DULVRQ 0% 6DQWRV (7 %,0 WHDFKLQJ VVUDWHJLHV \$Q RYHUYLHZ RI FXUUHQW
DSSURDFK HV ,Q :7LJDQL (G 3URFHG LQJV RI WKH ,QWHUQDWLRQDO &RQIHUHQFH RQ
&RPSXLQJ LQ &LYLO DQG %XLOGLQJ (QJLQHHULQJ 1RWLQJKDP 8QLYHUVLW\ 3UHV