



DISTRICT MEP PLANT WITH ADDITIONAL COMMUNITY PROGRAMS



INDICATIVE UTILITY POD AND BUILDING OVERCLAD



INDICATIVE SITE PLAN



AERIAL RENDERING FROM EAST



CAPITAL PROJECTS DIVISION
DISASTER RECOVERY

RED HOOK HOUSES

BROOKLYN, NEW YORK

*PROJECT IS AT THE CONCEPTUAL STAGE

KPF

ARUP OLIN

							Districts			
Development	Current estimated allocation necessary for FEMA scope		Residential Buildings	Apartments	Population	Acreage	Congressional	State Assembly	State Senate	City Council
RED HOOK EAST	\$ 197,483,000	Total #	16	1,408	2,969	19.65	7	51	25	38
Est. Construction Start*	Q4-16	# of Damaged Bldgs. funded by FEMA**	14	1,288	2,699					
FEMA 428 Scope										
	<ul style="list-style-type: none"> ▪ Restoration of play ground surface areas and play structures damaged by Sandy ▪ Site Restoration (sidewalks, fencing and ground fill to positive drain, etc.) of Sandy damaged areas as well as any areas that may be affected by construction ▪ Abate & restore building crawl spaces at damaged buildings ▪ New electrical annexes to be located above the Design Flood Elevation (DFE) to house new C/T cabinets ▪ Full roof replacement at damaged buildings ▪ Repair and restore architectural features (walls, floors) of common areas damaged by flooding. Replace doors, frame & hardware damaged by flooding ▪ Restoration of Sandy damaged portions of mechanical, electrical and plumbing systems ▪ New building to house boiler equipment above the DFE ▪ Remove underground fuel oil storage tank(s) as required. ▪ Replacement of underground conduits & site lighting (in Sandy flooded areas) ▪ CCTV and Layered Access Systems at damaged buildings ▪ Installation of stand-by generators to provide full back-up power for damaged buildings ▪ Installation of stairwell lighting in damaged buildings ▪ Dry flood proofing above DFE to protect damaged building envelope in flood prone areas ▪ Restoration of Senior Center ▪ Contents damaged as a result of Sandy (i.e. equipment and supplies) 									

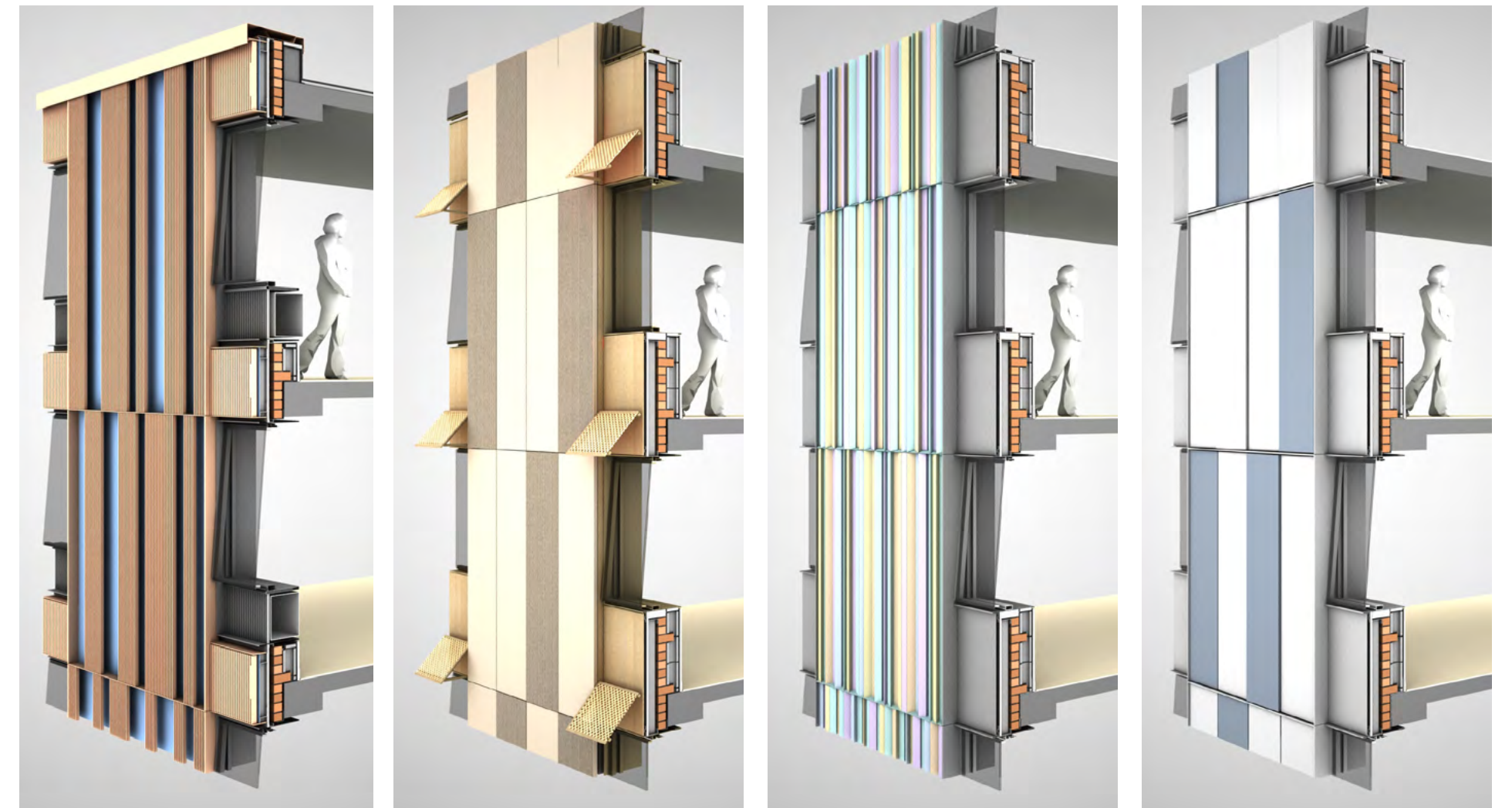
DFE - Design Flood Elevation

* These are estimated dates and are subject to change

**The determination of whether a building was damaged by Sandy and eligible for funding was made by FEMA



SUSTAINABLE BUILDING FACADE AND ELEVATORS



OVERCLAD ALTERNATIVES (LEFT TO RIGHT): TERRACOTTA, FIBER CEMENT BOARD, EXTRUDED ALUMINUM, METAL PANEL



INDICATIVE PROGRAMMING ON THE CENTRE MALL



"LILY PAD" FLOOD PROTECTION TERRACING



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							Districts			
Development	Current estimated allocation necessary for FEMA scope		Residential Buildings	Apartments	Population	Acreage	Congressional	State Assembly	State Senate	City Council
RED HOOK WEST	\$ 240,730,000	Total #	14	1,470	3,248	19.32	7	51	25	38
Est. Construction Start*	Q4-16	# of Damaged Bldgs. funded by FEMA**	All Residential Buildings							
FEMA 428 Scope										
	<ul style="list-style-type: none"> ▪ Restoration of play ground surface areas and play structures damaged by Sandy ▪ Site Restoration (sidewalks, fencing and ground fill to positive drain, etc.) of Sandy damaged areas as well as any areas that may be affected by construction ▪ Site Restoration - (Asphalt resurfacing) of Sandy damaged areas as well as any areas that may be affected by construction ▪ Abate & restore building crawl spaces ▪ New electrical annexes to be located above the Design Flood Elevation (DFE) to house new C/T cabinets ▪ Full roof replacement ▪ Repair and restore architectural features (walls, floors) of common areas damaged by flooding. Replace doors, frame & hardware damaged by flooding ▪ Restoration of Sandy damaged portions of mechanical, electrical and plumbing systems ▪ New building to house boiler equipment above the DFE ▪ Remove underground fuel oil storage tank(s) as required. ▪ Replacement of underground conduits & site lighting (in Sandy flooded areas) ▪ CCTV and Layered Access Systems ▪ Installation of stand-by generators to provide full back-up power ▪ Installation of stairwell lighting ▪ Dry flood proofing above DFE to protect building envelope in flood prone areas ▪ Contents damaged as a result of Sandy (i.e. equipment and supplies) 									

DFE - Design Flood Elevation

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**The determination of whether a building was damaged by Sandy and eligible for funding was made by FEMA