# ZONING CASE STUDY OF

# HUDSON YARDS

#### **ASSIGNMENT 1**

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- 6 CRITICAL OPINIONS & SUGGESTIONS

# Introduction to Special Hudson Yards District

What is special about this district?

There is an emphasis on events, expositions, presentations, festivals and fairs. This needs to incorporate visual arts, performing arts, culinary arts, literature, journalism, crafts, fashion and design, or any similar artistic activity.

# When was it created and why?

Phase 1 was opened on March 15,2019 having only the public green space and eight structures that contain residences, a hotel, office buildings, a mall, and a cultural facility along with other commercial spaces. Bringing all these important spaces together for everything and everyone could stay in the hudson yards neighborhood. Keeping everything hyper local.

### **Definitions**

Improving the highline and incorporating Hudson Yards Phase 1 and Phase 2.

ERY Culture, Festival and Exhibit Facility constantly changing exhibits, festivals, fairs, etc.

Hudson Yards District Improvement Fund can be used to fund further projects and additions that are necessary for Hudson Yards development.

### LOCATION

Hudson Yards is a neighborhood located on the West side of Midtown Manhattan. Is is bounded roughly by 30th street in the South, 43rd street in the North, the West Side \Highway in the West, and Eighth Avenue in the east.



## DIFFERENCE BETWEEN PRIOR ZONING & SPECIAL DISTRICT

PRIOR ZONING MAP

USE: PROPERTY:

FETTY and SHIP URBAN DEMAND SUPPLY

train yard city infrastructure service

Sanitation garages TRAFFIC NODE

**ZONING MAP** THE NEW YORK CITY PLANNING COMMISSION PRIOR ZONING MAP Major Zoning Classifications: The number(s) and/or letter(s) that follows an **R**, **C** or **M** District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution. R - RESIDENTIAL DISTRICT C - COMMERCIAL DISTRICT M - MANUFACTURING DISTRICT .....: AREA(S) REZONED EFFECTIVE DATE(S) OF REZONING: \*10-11-2005 C 060006 ZMM 6-23-2005 C 050162(A) ZMM SPECIAL PURPOSE DISTRICT The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution. (D) - RESTRICTIVE DECLARATION CITY ENVIRONMENTAL QUALITY REVIEW DECLARATION REFERS TO BLOCKS WITH LOTS SUBJECT TO CEOR DESIGNATION E-137. SEE Z.R. APPENDICES (CEOR DECLARATIONS) FOR LIST OF AFFECTED BLOCK AND LOTS. CITY MAP CHANGE(S): ▲ 11-04-2006 C 040507 MMM 9 MAP KEY 8c 8a 8 b 8d  $\infty$ 4 12a 12c Copyrighted by the City of New York NOTE: Zoring information as shown on this map is subject to change. For the most up-to-date zoring information for this map # NOTE: STREETS FOR THE STREET MAP CHANGE C 040508MMM ARE SHOWN ON THIS MAP PRIOR TO BECOMING EFFECTIVE IN ORDER TO C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 check the Department of City Planning website: C/// XXXX C/// XXXX C/// XXXX X/// XXXX LOCATEZONING DISTRICT BOUNDARIES. http://www.nyc.gov/html/dop.html/subcats.koning.html or contact the Zoning Information Desk at (212) 720-3291.

NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 6 (Location of District Boundaries) of the Zoning Resolution.

## DIFFERENCE BETWEEN PRIOR ZONING & SPECIAL

SPECIAL PURPOSE DISTRICT

USE:

ART CENTER

SHOPPING CENTER

TOURISM CENTER

LUXURY RESIDENTIAL

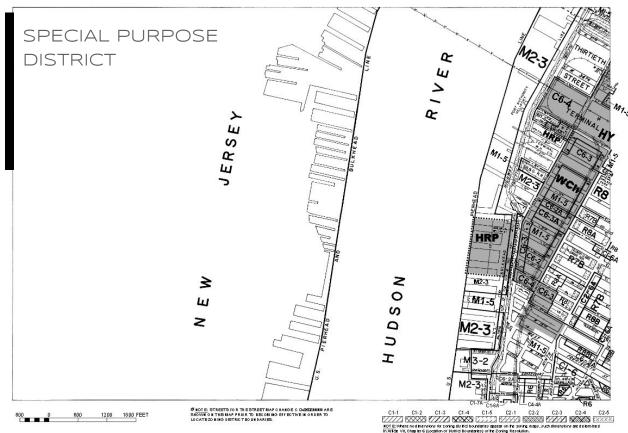
TRANSITION CENTER

COMPANY OFFICE

TRAFFIC TERMINAL



### DIFFERENCE BETWEEN PRIOR ZONING & SPECIAL DISTRICT



ZONING MAP
THE KBN/YORKOTTY PLANKING COMMISSION

#### Major Zoning Classifications:

The number(s) and/or letter(s) that follows an R, Cor M District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

- R RESIDENTIAL DISTRICT
- C COMMERCIAL DISTRICT
- M MANUFACTURING DISTRICT



AREA(S) REZONED

#### Effective Date(s) of Rezoning:

\*06-28-2018 C 180150 ZMM 06-28-2018 C 180127 ZMM

#### Special Requirements:

For a list of lots subject to CEQR environmental requirements, see APPENDIX C.

For a list of lots subject to "D" restrictive declarations, see APPENDIX D.

For Inclusionary Housing designated areas and Mandatory Inclusionary Housing areas on this map, see APPENDIX F.

MAP KI	Υ	Ŏ
	8a	8c
	8b	8d
	12a	12c

KOT El-Zoring Information as shown on his map is subtled to drange. For he most up-toda bizoning Information for his map, still the Zoring section of he begarinent of oilly Planning websites www.nya.go spilanning or contact he Zoring Information Besk at (212) 720-3291.

### DIFFFRENCE BETWEEN PRIOR ZONING & SPECIAL DISTRICT

GENERAL PURPOSE: MONEY+MONEY+MONEY = CAPITAL INTERESTS

EXTRACTING RESIDUAL VALUE OF HIGH LINE, BENEFIT MAXIMIZE

PROMOTE LOCAL CONSUMPTION

COMPOSE THE FINAL LANDSCAPE IN THE END OF HIGHLINE

CREATE AN ATTRACTIVE, VITALITY BUSINESS DISTRICT.

IMPROVE THE TRANSITIONS IN DIFFERENT FUNCTIONAL AREA

IMPROVE THE CAPACITY OF INFRASTRUCTURE AND TRAFFIC FOR HIGH DENSITY POPULATION

PROMOTE THE BETTER LIGHT, AIR AND LIVING QUALITIES FOR RESIDENTS, TOURISTS AND WORKERS

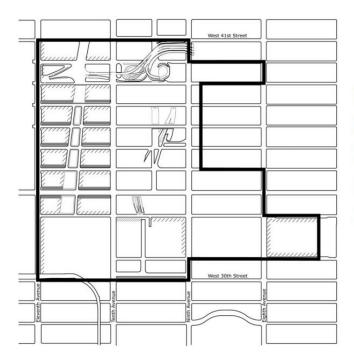
GUARANTEE THE PRICE AND VALUE OF LAND

FLEXIBLE ON LOCAL CHARACTERISTICS

PROVIDEA NEIGHBORHOOD THAT BENEFIT PUBLIC HEALTH AND SAFETY.

CREATE MORE JOBS AND GOVERNMENT TAX INCOME

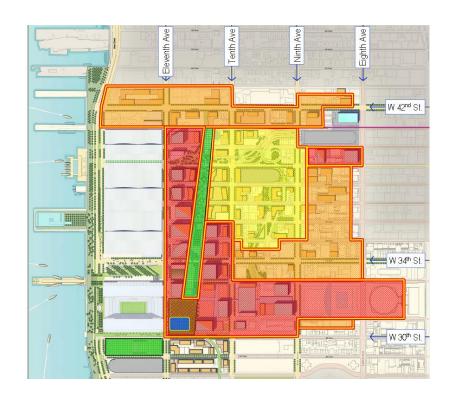
# SPECIAL HUDSON YARDS DISTRICT



Land Use & Density

#### Land Use

- predominantly residential with limited retail
- mixed use
- predominantly commercial with limited residential
- open space
- institutional



### SUBDISTRICTS

**ULURP** Actions

# Special HY District Subdistricts:

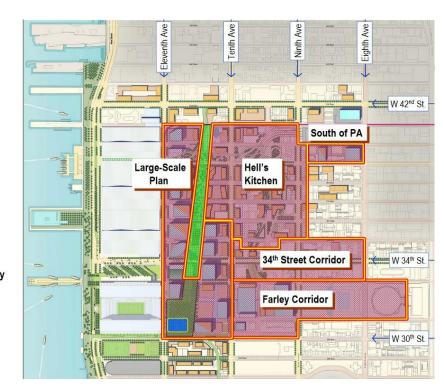
Hell's Kitchen

Large-Scale Plan

**Farley Corridor** 

34th St Corridor

South of Port Authority



### FLOOR AREA RATIO OF HUDSON YARD

Land Use & Density

**Density** 

base FAR



PREDOMINANTI Y RESIDENTIAL Land Use HILL'S KITCHEN predominantly MID/HIGH RISE residential FAR: MIN 6,6,6,5,7,5 mixed use MIXED USE predominantly commercial W42ND ST, 34TH CORRIDOR NY-495 open space HIGH RISE institutional FAR: MIN 9,10,10,10

> PREDOMINANTLY COMMERCIAL LARGE-SCALE PLAN FARLEYCOTTIDOR HIGH RISE FAR: MIN 10,10,10,10,10,10,12.19

### FLOOR AREA RATIO OF HUDSON YARD CC

Land Use & Density

#### **Density**



Land Use
PREDOMINANTLY RESIDENTIAL
HILL'S KITCHEN
MID/HIGH RISE
FAR: MAX 6,6,12,13,13+2

mixed use

predominantly commercial

MIXED USE
W42ND ST, 34TH CORRIDOR

NY-495
HIGH RISE

institutional

PREDOMINANTLY COMMERCIAL LARGE-SCALE PLAN FARLEYCOTTIDOR HIGH RISE FAR: MAX 10.19,19,19.5,20,21.6,24,33,33

FAR: MAX 12,12,12+3,13

# FLOOR AREA RATIO OF HUDSON YARD CC

#### WESTERN YARD

Office 2,000,000 Residential 4,000,000 100,000 Retail School 120,000

6,220,000 GSF

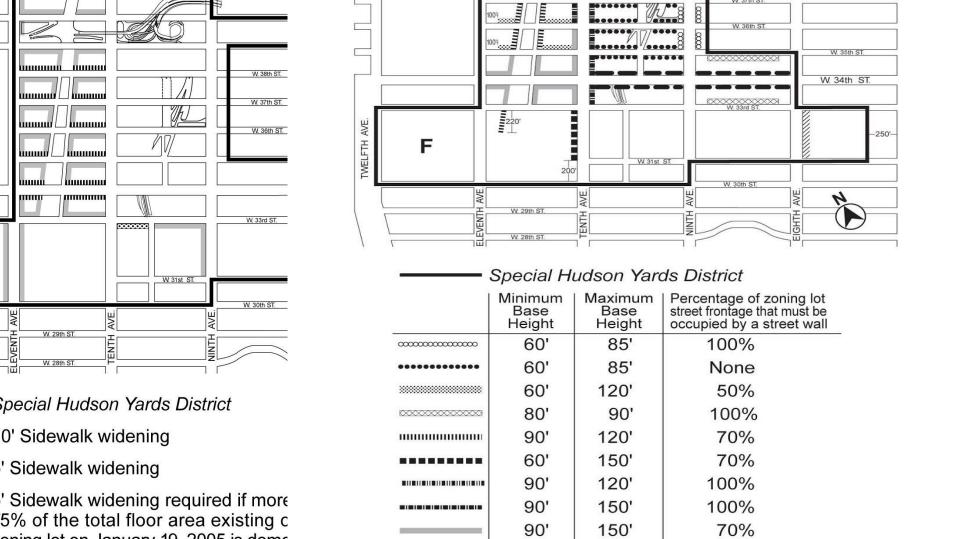
OFFICE RETAIL RESIDENTIAL HOTEL

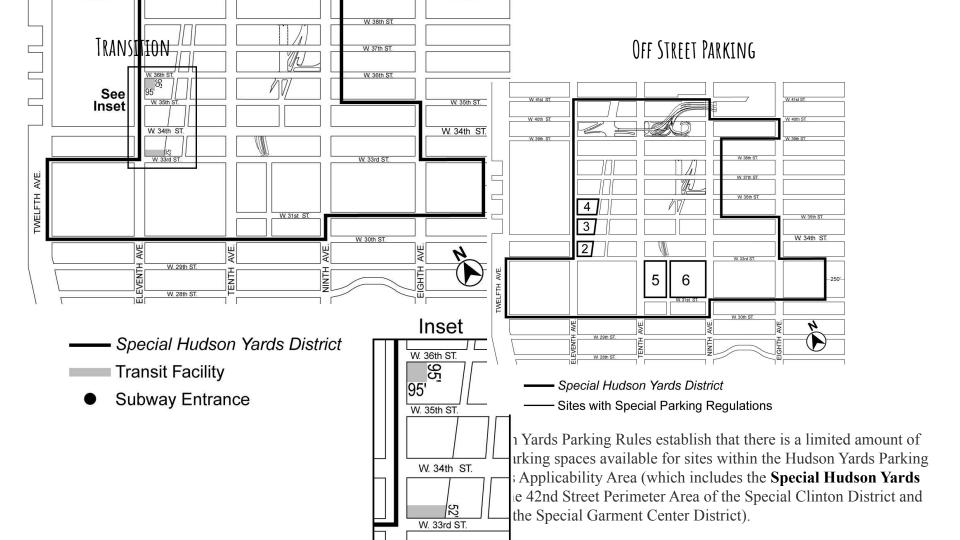
#### **EASTERN YARD**

10 Hudson Yards	1,800,000
30 Hudson Yards	2,600,000
50 Hudson Yards	2,900,000
55 Hudson Yards	1,300,000
The Shops & Restaurants	1,000,000
Retail Pavilion	50,000
Hotel	220,000
Residential	1,870,000
The Shed	200,000

11,940,000 GSF







## PARKING REGULATIONS

### **Parking**

Required parking below-grade:

**Hudson Yards Plan** 

Commercial:

Min: 1 space per 3,350 sqft

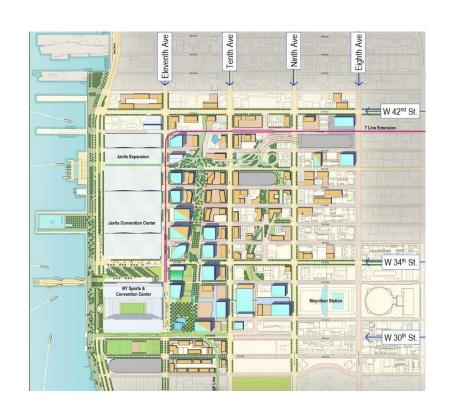
Max: 1 space per 3,075 sqft

Residential

Min: 1 space for 33% of units

Max: 1 space for 40% of units





### OFF STREET PARKING REGULATIONS

#### <u>Permitted parking when the reservoir surplus is greater than or equal to zero</u>

- For residences, accessory off-street parking spaces may be provided for no more than 30 percent of the total number of dwelling units, except where the dwelling units are comprised of low income floor area, moderate income floor area, or middle income floor area
   (off-street parking spaces may be provided for no more than eight percent of the total number of dwelling units.)
- For transient hotels (Permitted Parking for Non-residential Uses) will apply to the number of permitted accessory off-street parking spaces, provided that the number of spaces does not exceed 0.16 for every 1,000 square feet of floor area.
- For Offices no more than 0.16 accessory off-street parking spaces may be provided for every 1,000 square feet of floor area.

#### Permitted parking when a reservoir deficit exists

- For hotels it may exceed 0.16 for every 1,000 square feet of floor area
- For Offices it may be increased by up to 33 percent

### OFF STREET PARKING REGULATIONS

#### <u>use and Location of Parking Facilities</u>

All off-street parking spaces accessory to residences will be used exclusively by the occupants of such residences (Except in The Eastern Rail Yard Subarea)

All off-street parking spaces of offices and transient hotels may be made available for public use

All off-street parking spaces shall be located within facilities, except for entrances and exits, that:

- Are entirely below the level of any street or publicly accessible open area.
- Are located at every level above-grade, or behind the commercial, community facility, and residential floor areas, so that no portion of the parking facility is visible from adjoining streets or publicly accessible open areas.

#### AUTHORIZATION FOR ABOVE-GRADE PARKING

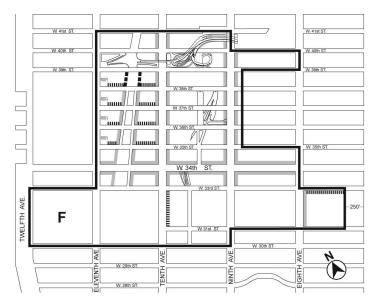
Floor space used for parking may be exempt from the definition of "Floor Area" if it is located above a height of 23 feet

#### STREET TREE PLANTING



In addition to the applicable underlying street tree planting requirements, in the Four Corners Subarea A2 of the Large-Scale Plan Subdistrict A, trees shall also be provided along the street edge of the mandatory sidewalk widenings along West 34th Street. All such trees shall be provided for the entire length of the street frontage of the zoning lot, at maximum intervals of 25 feet. Trees shall be planted in gratings flush to grade in at least 200 cubic feet of soil per tree with a depth of soil at least three feet, six inches.

### MANDATORY GROUND FLOOR RETAIL



- Special Hudson Yards District
- 100% Retail and Glazing Requirement
- 50% Retail and Glazing Requirement
- ----- Glazing Requirement Only
  - Subdistrict F (See Map 9 for Mandatory Ground Floor requirements)



# ADDITIONAL BULK REGULATIONS

#### SPECIAL HUDSON YARDS DISTRICT Map 1 - Special Hudson Yards District, Subdistricts and Subareas 01 02 04 05 A4 A2 A2 (c) **B2 B3** 84 Special Hudson Yards District boundary A Large Scale Plan Subdistrict (83) Farley Post Office Subarea (A1) Eastern Railyard Subarea 84 Pennsylvania Station Subarea A2 Four Corners Subarea 34t h Street Corridor Subdistrict (A3) Subarea A3 (A4) Subarea A4 Hell's Kitchen Subdistrict AS Subarea A5 3 Subarea D1 Phase 1 Hudson Boulevard and Park Phase 2 Hudson Boulevard and Park (02) Subarea D2 Subarea D3

( Subarea D4

Subarea D5

E South of Port Authority Subdistrict

B Farley Corridor Subdistrict

(B1) Western Blocks Subarea

(82) Central Blocks Subarea

	Sidewalk Widening	Street Wall Height	Street Wall Location	
West 34 <sup>th</sup> Street	10 ft	90 -150 ft	@ sidewalk widening	
Eleventh Avenue	5 ft	150 ft max (Not Req.)	-	
Hudson Blvd	5 ft	90 - 150 ft	@ sidewalk widening	
Tenth Avenue	None	90 - 150 ft	w/in 10 ft of street line <sup>2</sup>	
Narrow Street (North Side)	10 ft	60 - 120 ft	@ sidewalk widening	
Narrow Street (South Side)	5 ft	120 ft max (Not Req.)	50	

Additional Daik Regulations.

Notes:

- For full block frontage sites, development above the base may rise with the building must adhere to the required tower setback.
- 2. Optional street wall allowed for full block frontage sites.

	Street Wall Height	Retail Continuity	Tower Setback from Street Line
	150 ft max (Not Req.)	50 % of frontage	15 ft
5	150 ft max (Not Req.)		20 ft <sup>1</sup>
	150 ft max (Not Req.)	(#K)	10 ft <sup>2</sup>

MEDI 0101 IO MED	I DONVOINCEID,	TIGHTH AVENUE	1331 0 ( 2 01	1V1C 1U 1C1W	<u> </u>
Tower covera	ige is limite	d to 60 perce	ent of the	zoning lo	t, and
nortions of to	xxxora locato	d above 500	fact in he	ight ora li	mitad t

portions of towers located above 500 feet in height are limited 250 feet in width.

	( - · · · · · · · · · · · · · · · · · ·							
	12 (1995) (1996) (1997) 1 T. J.	L.		Sidewalk Widening	Street Wall Height	Street Wall Location	Street Wall Length	Tower S from Str
if no portion of the building is located within 15 feet, no tower setback is  of the tower to the streetline is allowed for 50 percent of the lot frontage WEST SIST TO WEST SERD STREETS, FIGHTH AVENUE TO 250 FEET WEST OF SEVENTH AVENUE.			5 ft	90 – 150 ft	w/in 10 ft of street line <sup>1</sup>	35 percent min w/in 10 ft of street line	15 ft <sup>2</sup>	
<u>M()( )())</u>	TO WEST SORD STREETS, ELGHTH AVENU	E TO 2 TO FEEL WEST OF SEVENTH AVEL	West 31 <sup>st</sup> Street	5ft	150 ft max (Not Req.)	-	ч	15 ft <sup>3</sup>
	coverage is limited to 60 percs of towers located above 500	<u> </u>	West 33 <sup>rd</sup> Street	5 ft	150 ft max (Not Req.)	5	17	15 ft <sup>3</sup>
250 foo	t in width		Motos:					

1. If a streetwall is not located within 10 feet of the streetline, it must be located at least 60 feet from the streetline to

#### Notes:

- plaza.
- 2. If the building is located 10 feet from the streetline, no tower setback is required.
- 3. If the building is not located within 10 feet of the streetline, a tower setback is not required.

# EXAMPLE OF CREATION IN SPECIAL DISTRICT



10 HUDSON Yards

15 HUDSON Yards

30 HUDSON Yards

35 HUDSON Yards

50 HUDSON Yards

55 HUDSON Yards

THE SHED

Vessel

7 Train

HUDSON PARK & BLVD

THE SHOP & restaurants

# EXAMPLE OF CREATION IN SPECIAL DISTRICT



#### 10 HUDSON YARDS

(NOW OPEN!)

1.8M GSF, 895 Ft. tall Commercial Office, Retail Kohn Pedersen Fox Associates

### tapestry

COACH | kate spade | STUART WEITZMAN

WAYNERMEDIA

Intersection

L'ORÉAL

SIDE WALK LABS



Intercept []









#### 10 HUDSON YARDS

THIS SKYSCTAPET WAS THE FIRST BUILDING
TO OPEN WITHIN HUDSON YARDS,DESIGN BY
KOHN PEDERSEN FOX. IN 2012,THE
CONSTRUCTION STARTED. BEFORE IT
COMPLETED, IT ALREADY BECAME THE
HOME TO TENANTS, SOFTWARE
COMPANIES, AND SOCIAL MEDIA AGENCIES

10 HUDSON YARD



#### 2 15 HUDSON YARDS

960,000 GSF, 910 Ft. tall Residential Diller Scofidio + Renfro, Rockwell Group



# 15 HUDSON YARD

#### 15 Hudson Yards

THIS TOWER IS DESIGNED BY DILLER SCOFIDIO AND RENFRO ARCHITECT. THE ROCKWELL GROUP DESIGNED THE INTERIOR. IT HAS 917 FEET TALL. AND THEY PROMISED THE RESIDENTS THEY CAN MOVE IN WHEN THE MEGA PROJECT'S AND PUBLIC ELEMENTS OPEN IN THIS 2019.

IT HAS 285 CONDOS. BASE ON DEVELOPER
CLAIMED THE LARGEST ONE INCLUDED A 75-FOOT
SWIMMING POOL, SCREENING ROOM, A
3,500-SQUARE-FOOT FITNESS CENTER, A ROOFTOP
LOUNGE AND A PRIVATE CO-WORKING SPACE IN IT.



2.6M GSF, 1,296 Ft. tall Commercial Office Kohn Pedersen Fox Associates

KKR WELLS WARNERMEDIA















30 HUDSON YARD

## 30 HUDSON YARD



The 1,000-foot-high outdoor deck, which will be the highest in the western hemisphere, will feature a large glass floor with views 1,000 feet downward towards the neighborhood below. Visitors can also lean against the nine-foot curtain wall that angle outward from the deck.

The deck will also consider to have a 1000 square foot restaurant and multiple use space. The visitors will also have the views of Manhattan skyline and the hudson river scenery.

# 35 HUDSON YARD

#### 35 HUDSON Yard

IT IS MIX USE TOWER, AND IT WILL BE A SUPERTALL, EACH OVER 1,000 FEET TALL. IT IS DESIGNED BY SKIDMORE, OWINGS AND MERRILL'S DAVID CHILDS,

#### 4 35 HUDSON YARDS

1.1M GSF, 1,000 Ft. tall Hotel, Residential, Retail, Office, Fitness Club & Spa David M. Childs / Skidmore, Owings & Merrill



## 50 HUDSON YARD

#### 50 Hupson Yards

IT IS A BUILDING STILL UNDER CONSTRUCTION. IN FINAL IT WILL HAVE LEAST 58 STORIES, THEN IT WILL BECOMING THE SECOND TALLEST TOWER IN THE HUDSON YARDS. THE WORK IS DESIGNED BY BRITISH ARCHITECT NORMAN FOSTER. IT WILL USE AS RESIDENTIAL AND OFFICE BUILDING.



2.9M GSF, 985 Ft. tall Commercial Office Foster + Partners

BLACKROCK\*





6 55 HUDSON YARDS

1.3M GSF, 780 Ft. tall Commercial Office

A. Eugene Kohn / Kohn Pedersen

Fox Associates







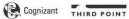


ENGINEERS GATE

SILVERLAKE Milbank

















THIS IS A 780-FOOT OFFICE TOWER Designed by architects at KOHN PEDERSEN FOX WITH KEVIN ROCHE JOHN DINKELOO AND some associates. IT WILL Be a multiple functional office BUILDING THAT Prevent PUBLIC service and Health care.

55 HUDSON YARD

55 HUDSON YARD

ALSO CALLED THE CULTURE SHED, IT HAS 200,000-SQUARE-FOOT CULTURAL CENTER, EXHIBITION SPACE, AND RISING STAGE FOR PERFORMING ARTS. THE SHED IS DESIGNED BY DILLER SCOFIDIO AND RENFRO IN COLLABORATION WITH ROCKWELL GROUP. IT WILL FINALLY HAVE 6 STORIES AND TOTAL ALLOW 2700 AUDIENCES. THE SHED WILL ALSO CONTAINING AS SPACE FOR ARTISTS LAB, REHEARSAL, AND MULTIPLE EVENTS. ON THE TOP LEVEL, IT WILL BECOME A FLEXIBLE ART AND CULTURE CENTER AND THE WHOLE SHAPE OF STRUCTURE WILL ALSO FLEXIBLE TO CHANGE.

#### THE SHED





200,000 GSF, 6 Levels Diller Scofidio + Renfro, Rockwell Group





# VESSEL.....

DESIGNED BY BrITISH DESIGNER THOMAS HEATHERWICK. AND IT IS AIMING IONE A NEW "PUBLIC LANDMARK" THAT SITS ON A FIVE-ACRE PUBLIC PARK IN HUDSON YARDS. EVEN THOUGH IT HAS A NAME THAT BEEN KNOWN AS VESSEL BUT THE DEVELOPER ARE CLAIMING IT IS STILL CONTEMPLATING A NEW NAME FOR THIS LANDSCAPE. BY THE WAY, TO ENJOY THE VIEW BY THIS BEAUTIFUL LANDSCAPE WE HAVE TO CLIMB ON 154 INTERCONNECTING FLIGHTS OF STAIRS WITH 2,500 STEPS AND 80 LANDINGS

"lift people up to be more visible and enjoy new views and perspectives of each other." -THOMAS HEATHERWICK





**TURKISH KEBAB** 

3 PUBLIC SQUARE AND GARDENS, VESSEL 5 Acres

Nelson Byrd Woltz, Heatherwick Studio



IT IS a seven-story retail building. SIMPLY KNOWN as THE SHOPPING MALL, THE SPACIAL IS THIS HAS MORE THAN 25 **DIFFERENTS** RESTAURANT IN IT. (OBVIOUSLY)

RESTAURANTS

THE SHOP

THE SHOPS & RESTAURANTS AT HUDSON YARDS 1M GSF\* • 7 Levels, Retail, Food & Beverage • Elkus Manfredi Architects AG Cuitzia BANANA REPUBLIC BELCAMPO" BAKERY Cartier Citarella COACH ROLEX SEPHORA SHAKE SHACK STUART WEITZMAN THOMAS KELLER TORY MOBURCH Van Cleef & Arpels SWITZERLAND ZARA

ADDITIONAL DINING AT HUDSON YARDS















