

# Incomplete submission 3-13-15

Page 1 (3)



**Subject:** Building Enevelop Thermal Summary  
**Page:** Page 1  
**Status:**  
**Citation:** 1 RCNY §5000-01(g)  
**Date:** 3/13/2015 3:34:00 PM  
**Author:** pwliu  
**Depth:**

1 RCNY §5000-01(g)-  
Provide building thermal envelope summary for each elevation. Summary shall document wall type label, Surface Area and Thermal Performance (U-factor/R-value/SHGC) for all above & below grade wall, slab/floor heat loss conditions, roof, floors/slabs and fenestration types that is part of the exterior thermal envelope for proposed project.

The summary information shall be coordinated with provided Energy Analysis reports.

All building envelope components listed shall have a corresponding wall detail/section, window/door schedule specifying thermal performance properties to confirm R-values and U-factors listed in building envelope summary table.

Insufficiet support documentation for NYCECC review.



**Subject:** Image  
**Page:** Page 1  
**Status:**  
**Citation:**  
**Date:** 3/13/2015 3:31:24 PM  
**Author:** pwliu  
**Depth:**

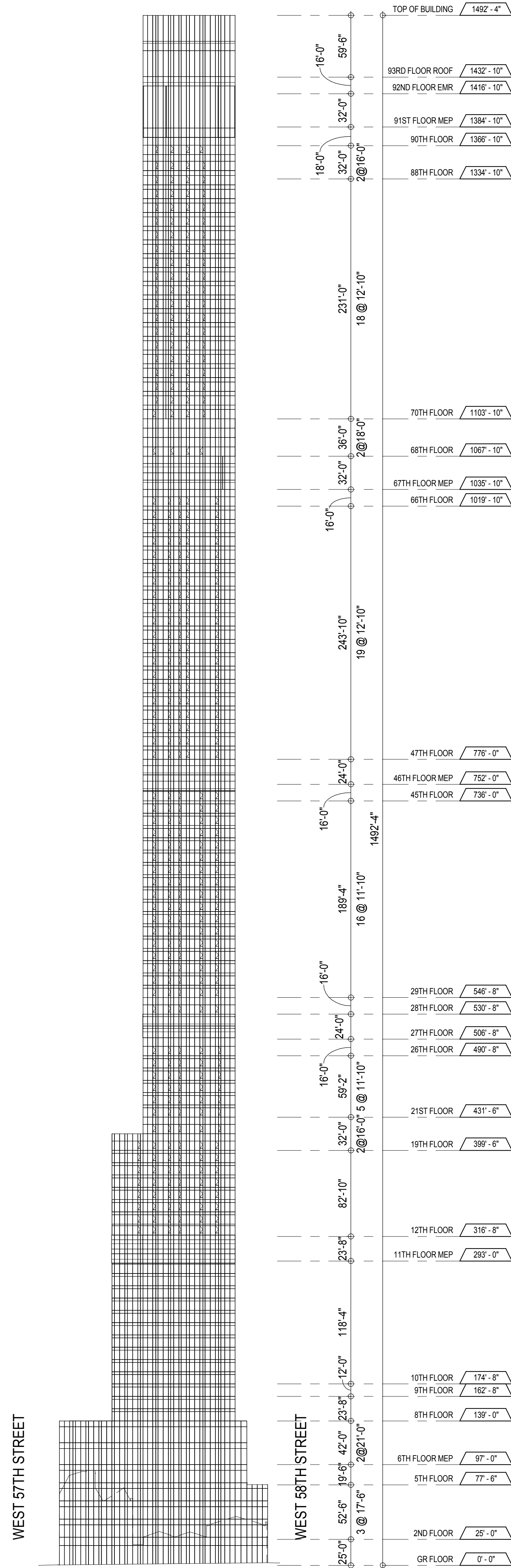


**Subject:** Cloud  
**Page:** Page 1  
**Status:**  
**Citation:**  
**Date:** 3/13/2015 3:36:14 PM  
**Author:** pwliu  
**Depth:**

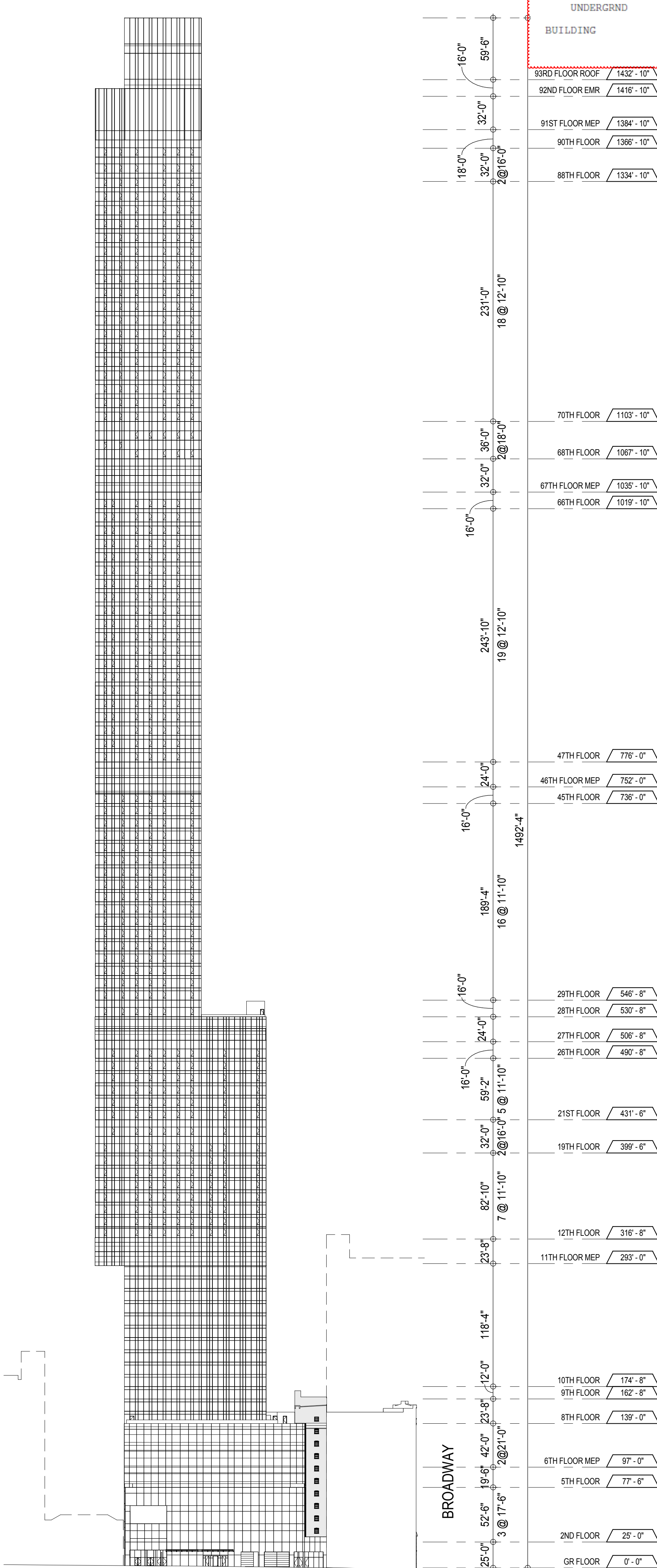
Per energy model report proposed project has 38% glazing. Provide sufficient support documentation to match Energy Analysis. Please refer to documentation requirements per 1 RCNY §5000-01

RCW 65000-01(a)  
Provide building thermal envelope summary for each elevation. Summary shall document wall type label, Surface Area and Thermal Performance (U-factor/R-value/SI/GCI) for all above & below grade wall, slab/floor heat loss conditions, roof, floor/slabs and fenestration types that is part of the exterior thermal envelope for proposed project.  
The summary information shall be coordinated with provided Energy Analysis reports.  
All building envelope components listed shall have a corresponding wall detail/section, window/door schedule specifying thermal performance properties to confirm R-values and U-factors listed in building envelope summary table.  
Insufficient support documentation for NYCCEC review.

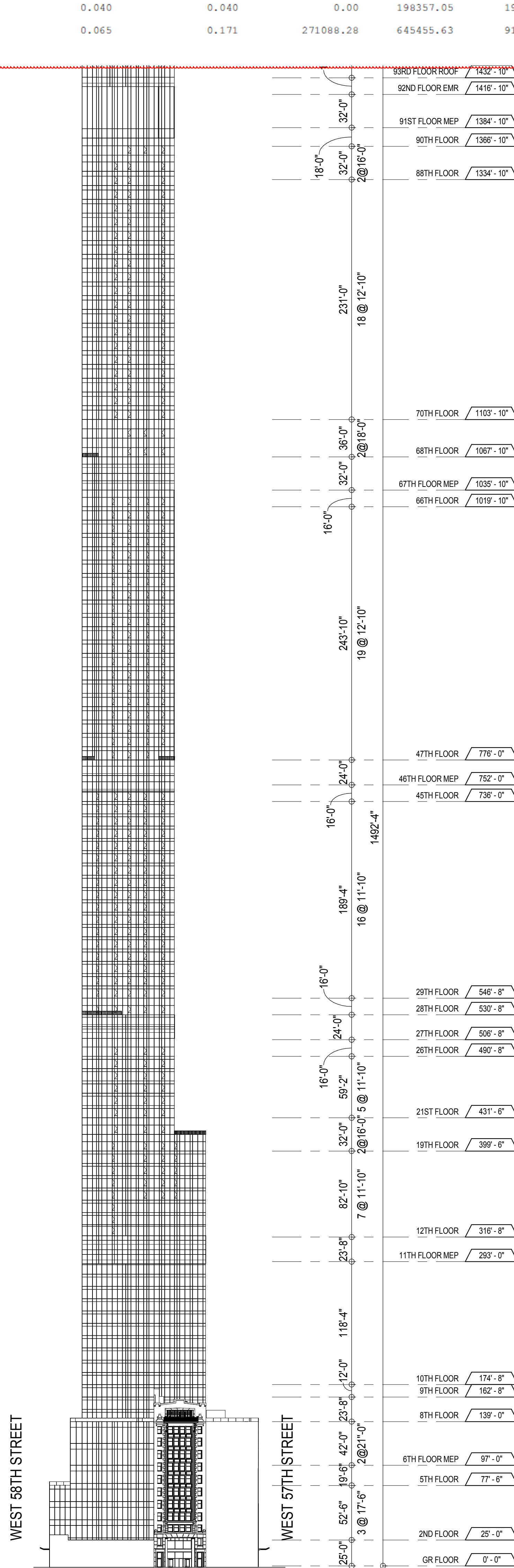
Extell 221 West 57th St				DOE-2.2-47h2 12/15/2014 17:00:38 BDL RUN 1		
REPORT- LV-D Details of Exterior Surfaces				WEATHER FILE- New York CityNY TMY2 (CONTINUED)		
	AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F)	AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F)	AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F)	WINDOW AREA (SQFT)	WALL AREA (SQFT)	WINDOW+WALL AREA (SQFT)
NORTH	0.434	0.090	0.266	96180.20	91631.52	187811.78
EAST	0.366	0.077	0.174	51544.73	101708.23	153253.00
SOUTH-EAST	0.000	0.049	0.049	0.00	390.40	390.40
SOUTH	0.452	0.081	0.212	65211.34	119552.14	184763.47
SOUTH-WEST	1.032	0.049	0.466	2844.99	3855.69	6700.68
WEST	0.393	0.062	0.168	55306.98	117088.98	172395.97
ROOF	0.000	0.047	0.047	0.00	12871.30	12871.30
ALL WALLS	0.423	0.077	0.210	271088.28	434227.52	705315.81
WALLS+ROOFS	0.423	0.076	0.207	271088.28	447098.50	718187.13
UNDERGRND	0.000	0.040	0.040	0.00	198357.05	198357.05
BUILDING	0.423	0.065	0.171	271088.28	645455.63	916544.13



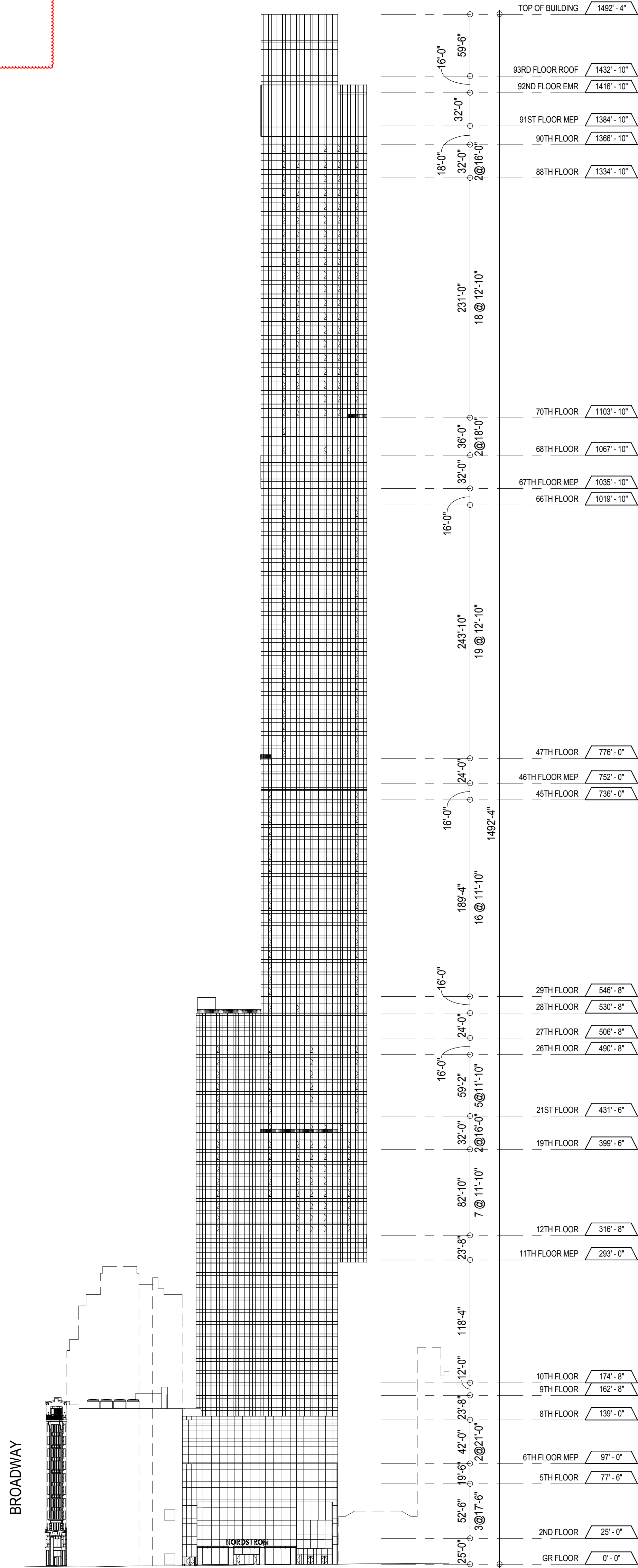
4 EAST ELEVATION  
1/8" = 1'-0"



3 NORTH ELEVATION - WEST 56TH STREET  
1/8" = 1'-0"



2 WEST ELEVATION - BROADWAY  
1/8" = 1'-0"



1 SOUTH ELEVATION - WEST 57TH STREET  
1/8" = 1'-0"

**KEY PLAN**

**PROJECT NORTH**

**DEVELOPER:**  
**EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 17TH FLOOR  
New York, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

**DESIGN ARCHITECT:** Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

**ARCHITECT OF RECORD:** Base Building Shell & Core  
**AAI ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 867 1500 FAX: 416 867 1750

**STRUCTURAL ENGINEERS:**  
**WSP CANTOR SEINUK**  
228 EAST 46th Street  
New York, NY 10017 USA  
TEL: 212 687 9888 FAX: 646 487 5501

**MEP ENGINEERS:**  
**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

**GEOTECHNICAL ENGINEERS:**  
**Langan Engineering & Environmental Services**  
21 Fern Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

**CODE CONSULTANTS:**  
**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1816 FAX: 212 385 1911

**CURTAINWALL CONSULTANT:**  
**AJLP Consulting**  
40 Worth Street, Suite 828  
New York, NY 10013  
TEL: 212 757 5659 FAX: 646 219 8508

**LANDMARK/PRESERVATION CONSULTANT:**  
**Higgins Quasbarth & Partners LLC**  
11 Hanover Square, 16th Floor  
New York, NY 10005  
TEL: 212 274 9468 FAX: 646 274 9380

**LANDMARK/PRESERVATION CONSULTANT:**  
**Jan Hird Pokorny Associates, Inc.**  
30 West 57th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
00	D.O.B. SUBMISSION	09 MAY 14

**0 32'-0" 64'-0" 128'-0"**

**D.O.B. SUBMISSION**

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

**CONSULTANT:**  
**AAI**  
ARCHITECTS, P.C.

**PROJECT:**  
**217 WEST 57TH STREET**  
NEW YORK, NY

**DRAWING TITLE:**  
**BUILDING ELEVATIONS**

SEAL & SIGNATURE:	DATE: 09 MAY 14
PROJECT No: 1216-00	DRAWN: Author
SCALE: 1/8" = 1'-0"	CHECK: Checker
DWG No: A-201.00	DOB PAGE No: 101 of 116
DOE EMPLOYEE STAMP:	DOE B-SCAN: