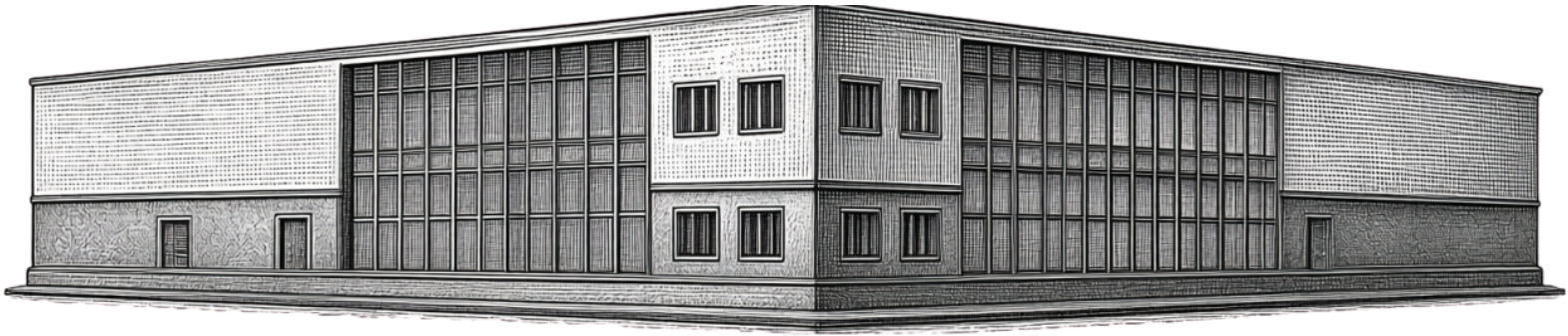
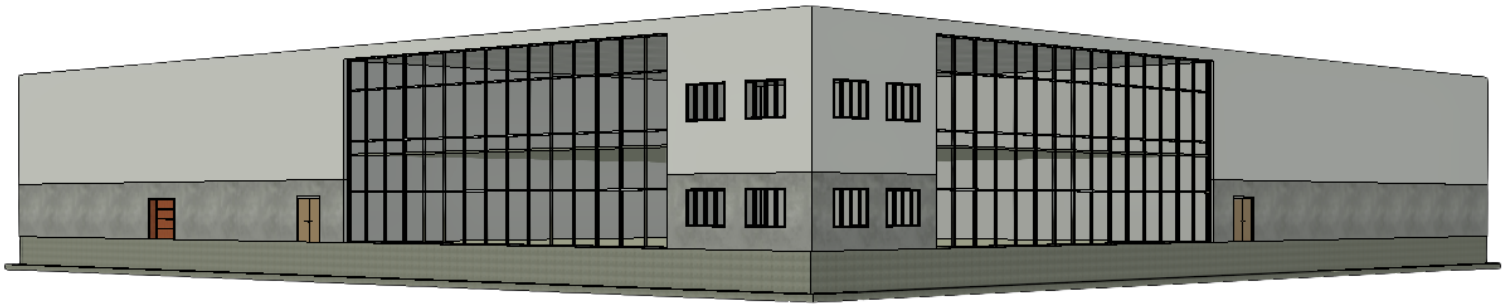




N&J WAREHOUSE

221-690-VA

ESTIMATION

PROJECT PART 3

TEACHER: MICHAEL LANCIONE

WORK BY: NILAM AMIRI AND JOHANNA SONOKPON

MAY 15, 2026

REVIT SCHEDULE

SCHEDULE				
Level	Count	Family and Type	Category	Type
	1	Basic Roof: Generic - 12"	Roofs	Generic - 12"
	3	Fascia: Fascia-Flat 1x12	Roofs: Fascias	Fascia-Flat 1x12
	4	Wall Foundation: Retaining Footing - 24" x 12" x 12"	Structural Foundations	Retaining Footing - 24" x 12" x 12"
	4	Basic Wall: Foundation - 12" Concrete	Walls	Foundation - 12" Concrete
	2	Basic Wall: Generic - 12"	Walls	Generic - 12"
	2	Curtain Wall: Storefront	Walls	Storefront
	4	Basic Wall: W1-METAL PANEL	Walls	W1-METAL PANEL
	4	Basic Wall: W2-Precast concrete	Walls	W2-Precast concrete
T.O. SLAB	120	System Panel: Glazed	Curtain Panels	Glazed
T.O. SLAB	277	Rectangular Mullion: 2.5" x 5" rectangular	Curtain Wall Mullions	2.5" x 5" rectangular
T.O. SLAB	3	Door-Passage-Double-Flush: 72" x 84"	Doors	72" x 84"
T.O. SLAB	3	Door-Garage-Flush_Panel: 96" x 84"	Doors	96" x 84"
T.O. SLAB	1	W Shapes-Column: W18X119	Structural Columns	W18X119
T.O. SLAB	1	Foundation Slab: Conc 8	Structural Foundations	Conc 8
T.O. SLAB	4	Window-Casement-Multi-Sash-Horizontal: 85" x 60"	Windows	85" x 60"
2ND FLOOR	1	Foundation Slab: Conc 4	Structural Foundations	Conc 4
2ND FLOOR	4	Window-Casement-Multi-Sash-Horizontal: 85" x 60"	Windows	85" x 60"

Grand total: 438

ESTIMATE SPREADSHEET

ASSEMBLY	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
A10	FOUNDATIONS				
SECTION D A11	FOOTINGS	800	LF	38.1	\$30,480.00
SECTION D A11	FOUNDATION WALLS FIRST 40"	800	LF	72.1	\$57,680.00
SECTION D A11	FOUNDATION WALLS EXTRA 24"	800	LF	43.2	\$34,560.00
A1030 120 5640	GROUND FLOOR SLAB	40000	SF	9.4764	\$379,056.00
	SUBTOTAL				\$501,776.00
B10	SUPERSTRUCTURE				
B1010 250 9300	SECOND FLOOR SLAB & STRUCTURE FOR SECOND FLOOR OFFICES	10000	SF	27.25	\$272,500.00
B1020 112 5300	ROOF STRUCTURE	40000	SF	11.07	\$442,800.00
	SUBTOTAL				\$715,300.00
B20	EXTERIOR ENCLOSURE				
B2010 102 3200	PRECAST CONCRETE Flat precast concrete 6" thick with insulation	6105.46	SF	28.143	\$171,825.96
B2010 130 8100	BRICK VENEER ON METAL STUD	531.08	SF	21.889	\$11,624.81
B2010 146 1850, B2010 154 5300	METAL PANEL FINISH	6966.69	SF	19.0694	\$132,850.60
B2010 146 5100, B2010 154 5300	ALUMINUM PANELS	6491.5	SF	8.9782	\$58,281.99
08 44 13, 08 81 30	CURTAIN WALLS	4167.6	SF	97.3	\$405,507.48
	SUBTOTAL				\$780,090.83
	OPENINGS				
B2030 220 3700	FRONT ENTRANCE	1	PER OPNG.	5883	\$5,883.00
B2030 220 3700	OTHER EXTERIOR DOORS	2	PER OPNG.	5883	\$11,766.00
B2030 220 5050	GARAGE DOORS	3	PER OPNG.	3471.5	\$10,414.50
B2020 106 8250	WINDOWS	4	PER UNIT	885.1	\$3,540.40
	SUBTOTAL				\$31,603.90
B30	ROOFING				
B3010 140 1550, B3010 320 2750	ROOF COVERING	40000	SF	10.642	\$425,696.00
B3010 420 2800	ROOF EDGES	800	LF	34.132	\$27,305.60
	SUBTOTAL				\$453,001.60
C	INTERIORS				
	SUBTOTAL				\$189,649.38
SECTION E GROSS BUILDING COSTS	SERVICES				
C1	WAREHOUSE MECHANICAL	30000	SF	12.73	\$381,900.00
C1	OFFICE MECHANICAL	20000	SF	39.57	\$791,400.00
C2	WAREHOUSE ELECTRICAL	30000	SF	7.31	\$219,300.00
C2	OFFICE ELECTRICAL	20000	SF	17.17	\$343,400.00
	SUBTOTAL				\$1,736,000.00
	SUBTOTAL				\$4,407,421.71
	TAXES			14.975%	\$660,011.40
	GENERAL REQUIREMENTS			10.000%	\$440,742.17
	SUBTOTAL				\$5,508,175.29
	GC OVERHEAD AND PROFIT			7.000%	\$385,572.27
	SUBTOTAL				\$5,893,747.56
	CONSULTANT FEES			5.300%	\$312,368.62
	CONTINGENCY			5.000%	\$294,687.38
	PROJECT TOTAL COST				\$6,500,803.56

CONCLUSION

IN CONCLUSION, THE ESTIMATION PROCESS CHANGED A LITTLE FROM THE BEGINNING OF THE COURSE TO THE END. AT FIRST, BEFORE THE MIDTERM AND DURING PROJECT PART 2, THERE WERE A LOT MORE CALCULATIONS AND DETAILS TO FIGURE OUT, WHICH MADE THE PROCESS MORE CHALLENGING. AS THE COURSE PROGRESSED, THE CALCULATIONS BECAME CLEARER AND EASIER TO UNDERSTAND. EVEN THOUGH SOME OF OUR ESTIMATES WERE SLIGHTLY DIFFERENT FROM THE EARLIER ONES, THEY WERE NOT WILDLY DIFFERENT. THE MORE DETAILED THE ESTIMATE BECAME, THE MORE ACCURATE AND ORGANIZED THE PROCESS FELT.

OVERALL, WE THINK THE ESTIMATION PROCESS IS PRETTY ACCURATE AND USEFUL. LEARNING HOW TO USE RS MEANS AND HANSCOMB HELPED US BETTER UNDERSTAND HOW PROFESSIONAL ESTIMATES ARE MADE. AT SOME POINTS, WE WERE SURPRISED BECAUSE WE MADE MISTAKES OR GOT CONFUSED WITH CERTAIN CALCULATIONS, BUT OVER TIME THE PROCESS BECAME MUCH CLEARER AND WE LEARNED FROM THOSE MISTAKES. WE ALSO ENJOYED THE COURSE BECAUSE IT WAS INTERESTING TO LEARN NEW THINGS AND SOLVE CHALLENGES ALONG THE WAY. ONCE YOU UNDERSTAND THE BASICS AND BUILD THE SKILLS, ESTIMATION BECOMES MUCH EASIER AND MORE STRAIGHTFORWARD. OVERALL, NEITHER I NOR MY TEAMMATES HAD ANY MAJOR DISLIKES ABOUT THE COURSE, AND WE FOUND IT TO BE A USEFUL EXPERIENCE.