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CHARLOTTE, NC

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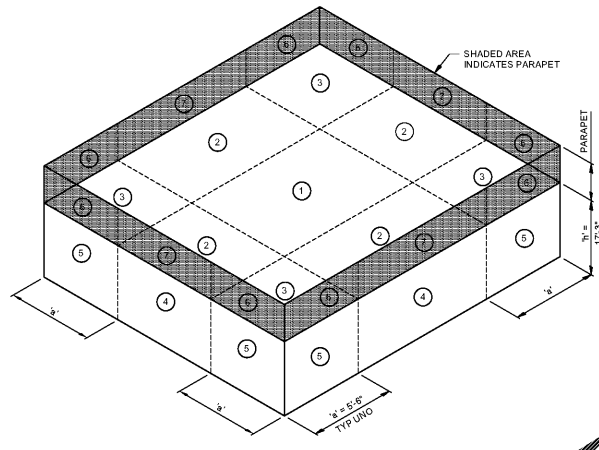
DRAWING DATA

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ROOF FRAMING
PLAN

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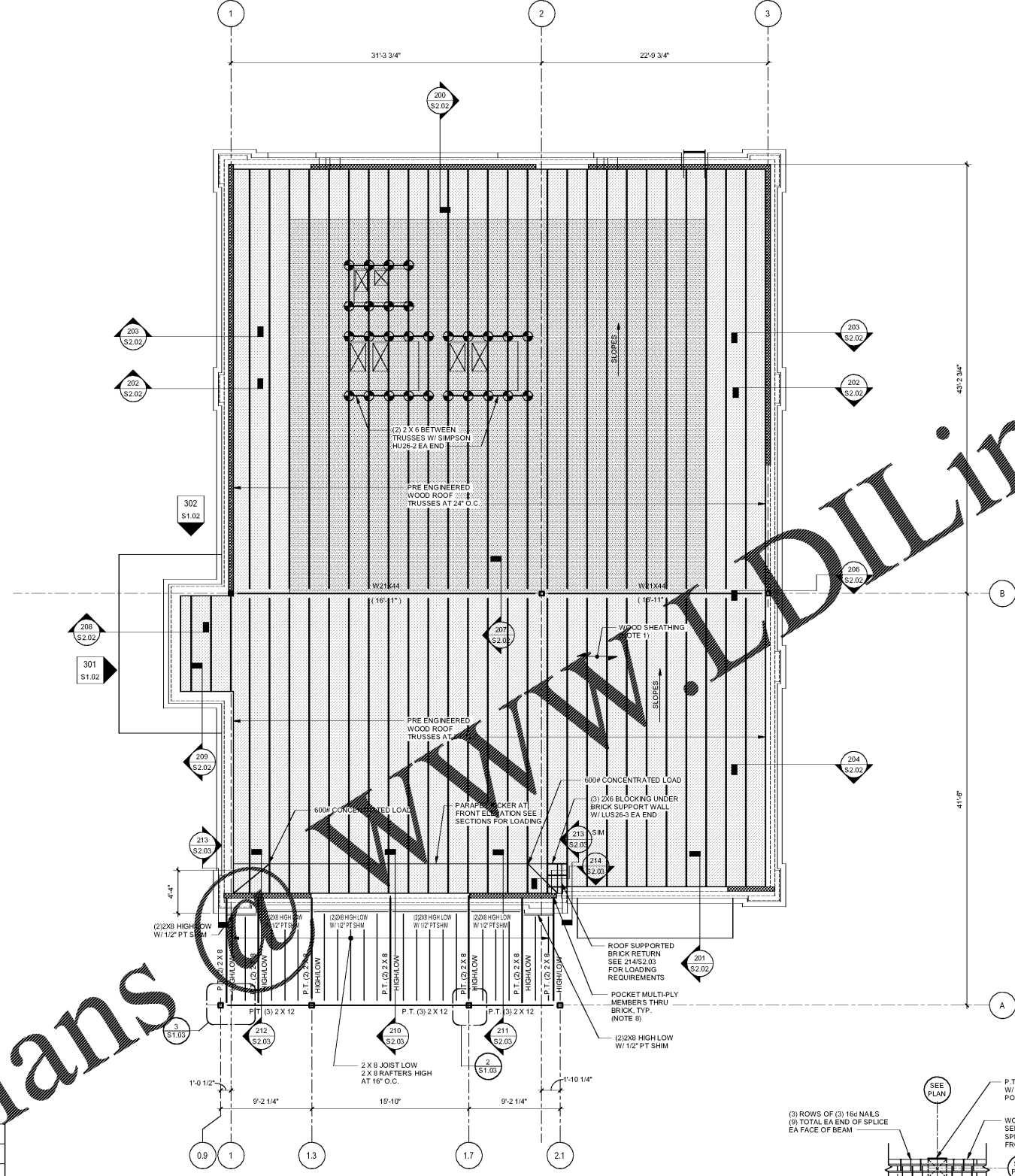
S1.03



ROOF AND WALL ZONES

TRIBUTARY AREA (SF)	COMPONENT AND CLADDING WIND PRESSURES						
	ROOF ZONE			WALL ZONE		PARAPET	
	1	2	3	4	5	6	7
10	+12.4 / -30.4	+12.4 / -51.0	+12.4 / -76.7	+24.8 / -30.1	+27.8 / -33.1	+24.4 / -46.3	+24.4 / -72.1
20	+11.6 / -29.6	+11.6 / -45.6	+11.6 / -63.6	+26.8 / -29.0	+26.8 / -31.6	+23.1 / -40.9	+23.1 / -58.9
50	+10.6 / -28.6	+10.6 / -38.4	+10.6 / -53.0	+24.9 / -27.9	+24.9 / -31.4	+21.4 / -33.7	+21.4 / -41.5
100	+9.8 / -27.8	+9.8 / -33.0	+9.8 / -43.0	+23.7 / -28.9	+23.7 / -31.4	+20.1 / -28.3	+20.1 / -28.3
200	+9.8 / -27.8	+9.8 / -33.0	+9.8 / -43.0	+22.5 / -24.8	+22.5 / -26.4	+18.8 / -28.3	+18.8 / -28.3
500	+9.8 / -27.8	+9.8 / -33.0	+9.8 / -43.0	+20.9 / -23.2	+20.9 / -23.2	+17.1 / -28.3	+16.6 / -28.3

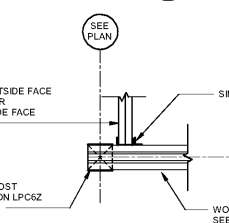
- ALL LOADS ARE IN POUNDS PER SQUARE FOOT (PSF).
- TABULATED COMPONENT AND CLADDING PRESSURES (Pw) HAVE BEEN CALCULATED IN ACCORDANCE WITH THE DESIGN BUILDING CODE PER NOTE 100.1 BASED ON ULTIMATE DESIGN WIND SPEED (Vw) PER NOTE 100.5A AND SHOULD BE USED IN CONJUNCTION WITH ASCE 7-10 LOAD COMBINATIONS. TABULATED PRESSURES CAN BE CONVERTED TO NOMINAL VALUES BY MULTIPLYING BY 0.6.
- (+) DENOTES PRESSURE, (-) DENOTES SUCTIONS.
- "s" SHALL BE 10% OF LEAST HORIZONTAL DIMENSION OR 0.8', WHICHEVER IS SMALLER, NOT LESS THAN 4% OF LEAST HORIZONTAL DIMENSION OR 3'-0".
- "t" = MEAN ROOF HEIGHT.



ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"

- ROOF PLAN NOTES:
- SEE GENERAL NOTES FOR WOOD SHEATHING REQUIREMENTS.
 - PRE-ENGINEERED WOOD ROOF TRUSSES AT 2'-0" O.C. SEE GENERAL NOTES FOR REQUIREMENTS.
 - SHADING DENOTES SHEAR WALL BELOW. PROVIDE CONTINUOUS SHEAR PANEL BLOCKING OVER SHEAR WALLS. SEE TYPICAL SHEAR PANEL BLOCKING DETAIL ON S3.01.
 - DENOTES 200 POUND CONCENTRATED LOAD ON TRUSS TOP CHORD.
 - VERIFY SIZE AND LOCATION OF MECHANICAL EQUIPMENT WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. FINAL MECHANICAL SHOP DRAWINGS AND EQUIPMENT PURCHASED. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING FINAL UNIT LOCATIONS, INCLUDING SUPPLY AND RETURN ROOF OPENING LOCATIONS AND ASSOCIATED REVISED LOADING WITH THE WOOD TRUSS SHOP DRAWINGS PRIOR TO TRUSS FABRICATION. SUPPLY AND RETURN OPENINGS SHALL BE ALIGNED TO DROP BETWEEN TRUSSES WHERE POSSIBLE. PROVIDE HEADER AND MULTIPLE PLY TRUSSES AS REQUIRED TO ACCOMMODATE OPENING LOCATIONS AND LOADING REQUIREMENTS. MAXIMUM OPERATING WEIGHT SHALL NOT EXCEED THE FOLLOWING: 1500 LB.
 - SEE S4.01 FOR ROOF TOP UNIT SUPPORT DETAIL.
 - RTU ZONE DESIGNED FOR A 20 PSF ALLOWANCE FOR FUTURE UNITS. GENERAL CONTRACTOR AND FUTURE TENANT SHALL COORDINATE/CONFIRM THE LOCATION AND WEIGHT OF ADDED UNITS AND ENSURE ADDED LOADS FALL WITHIN THE ABOVE ALLOWANCE. FUTURE LAYOUT SHALL BE REVIEWED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NORTH CAROLINA.
 - COAT ALL WOOD IN CONTACT WITH MASONRY IN BITUMEN PAINT. MASK ADJACENT BEAM PRIOR FINISHES. SEE ARCHITECTURAL DRAWINGS.

DETAIL 2
SCALE: 3/4" = 1'-0"
S1.03



DETAIL 3
SCALE: 3/4" = 1'-0"
S1.03

