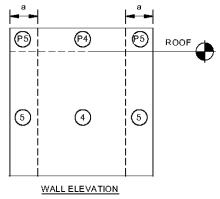
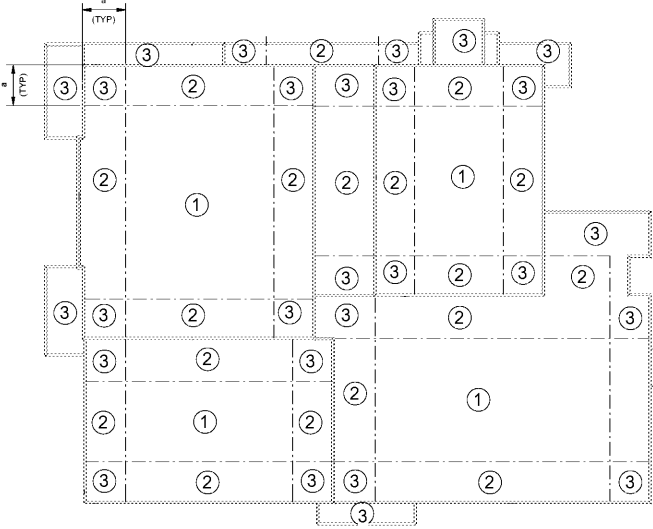


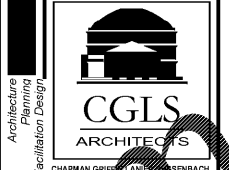
**COMPONENTS & CLADDING  
EXTERNAL PRESSURE LOADS (PSF)**

IBC 2012 LOCATION PER ASCE 7-10: FIGURE 30.4-1, 30.4-2A

EFFECTIVE WIND AREA (FT <sup>2</sup> )	1	2	3	4	5	NOTES:
<10	16.0 -31.4	16.0 -52.7	16.0 -79.3	28.7 -31.1	28.7 -38.3	1. $a = 25'-0"$ , SEE ROOF PLAN MAP BELOW FOR LOCATION OF $a$ -ZONES, WALL $a$ -ZONE LOCATIONS TO MATCH ROOF $a$ -ZONES. 2. POSITIVE PRESSURE VALUES REFER TO FORCES ACTING TOWARDS BUILDING OR COMPONENT FACE, NEGATIVE PRESSURE VALUES REFER TO FORCES ACTING AWAY FROM BUILDING OR COMPONENT FACE. 3. EACH COMPONENT AND ITS CONNECTION SHALL BE DESIGNED FOR MAXIMUM POSITIVE AND NEGATIVE FORCES. 4. FOR COMPONENTS HAVING EFFECTIVE AREAS IN BETWEEN TABULATED VALUES, DESIGN LOADS MAY BE INTERPOLATED. OTHERWISE DESIGN LOAD SHALL BE TAKEN FROM THE NEXT LOWEST TABULATED EFFECTIVE AREA. 5. DESIGN VALUES SHOWN IN THIS TABLE ARE ULTIMATE VALUES FOR USE WITH LRFD DESIGN. VALUES MAY BE MULTIPLIED BY 0.6 FOR USE WITH SERVICE LEVEL OR ASD DESIGN. REFER TO THE BUILDING CODE FOR APPLICABLE LOAD COMBINATIONS.
20	16.0 -30.6	16.0 -47.1	16.0 -55.7	27.5 -29.8	27.5 -35.8	
50	16.0 -29.9	16.0 -39.7	16.0 -47.7	25.8 -28.2	25.8 -32.4	
>100	16.0 -28.7	16.0 -34.0	16.0 -34.0	24.5 -26.9	24.5 -29.8	
>500	--	--	--	21.5 -23.9	21.5 -23.9	



EFFECTIVE WIND AREA (FT <sup>2</sup> )	DESIGN OF SHEATHING		DESIGN OF STUDS		ROH1/2		ROH3		NOTES:
	P4	P5	Pc-4	Pc-5	ROH1/2	ROH3	ROH3		
<10	31.7 -53.2	31.7 -80.0	75.2 -75.2	102.1 -102.1	--	--	--	-79.3	6. PARAPET COMPONENTS AND CLADDING ARE THOSE ELEMENTS WHICH EXIST ABOVE THE HORIZONTAL PLANE OF THE ROOF AND SHALL BE DESIGNED FOR: • POSITIVE AND NEGATIVE PRESSURES 4 OR 5 APPLIED TO THE SHEATHING OR PANELING AND ITS CONNECTION ON OUTSIDE FACE. • POSITIVE PRESSURES 4 OR 5 APPLIED TO THE SHEATHING OR PANELING AND ITS CONNECTION ON ROOF SIDE FACE. • NEGATIVE PRESSURES 2 OR 3 APPLIED TO THE SHEATHING OR PANELING AND ITS CONNECTION ON ROOF SIDE FACE. • P4'S SHALL BE APPLIED TO THE DESIGN OF THE STRUCTURAL ELEMENT OF THE PARAPET AND ITS CONNECTION, INCLUDING BUT NOT LIMITED TO THE STUD FRAMING OF THE PARAPET. 7. A DESIGN WIND PRESSURE HORIZONTAL VALUE OF 50.5 PSF AND VERTICAL VALUE OF -39.9 PSF SHALL APPLIED TO COMPONENTS WHICH ARE EITHER ROOFTOP STRUCTURES OR ROOFTOP APPURTENANCES AND THEIR CONNECTION. EXAMPLES OF THIS ARE RTU's, AHU's, AND SCREEN WALLS. 8. ROH1/2 DENOTES DESIGN WIND PRESSURE VALUES WHICH SHALL BE APPLIED TO ROOF OVERHANGS TO TOP SURFACE CLADDING OR SHEATHING AND ITS CONNECTION. SOFFIT CLADDING OR SHEATHING SHALL BE DESIGNED FOR SIMILAR PRESSURE TO THE ADJACENT WALL PRESSURE. A COMBINATION OF THESE FORCES SHALL BE APPLIED TO THE STRUCTURAL ELEMENT OF THE OVERHANG AND ITS CONNECTION, INCLUDING BUT NOT LIMITED TO THE STUD FRAMING OF THE OVERHANG.
20	30.3 -47.5	30.3 -66.3	68.1 -68.1	86.9 -86.9	--	--	--	-63.3	
50	28.4 -40.0	28.4 -48.1	58.7 -58.7	66.8 -66.8	--	--	--	-42.1	
>100	26.9 -34.4	26.9 -41.7	51.7 -51.7	51.7 -51.7	--	--	--	-26.1	
>500	23.6 -34.4	23.6 -41.7	48.3 -48.3	48.3 -48.3	--	--	--	-26.1	



CHAPMAN GRIFFIN LANIER SUSENBACH ARCHITECTS  
2017  
RELEASED FOR CONSTRUCTION



DATE	NO.	DESCRIPTION
06/18/18		SIZE CONSTRUCTION DOCUMENTS
09/17/18		DOE CHECK-SEAL PERMIT SET
10/18/18		FINAL SCHE SUBMITTAL ISSUED FOR PROPOSALS
11/01/18		

**CHAPMAN GRIFFIN LANIER SUSENBACH ARCHITECTS**  
DOE FACILITY CODE: 680-3086  
RIVERWOOD HIGH SCHOOL - PHASE 3 - AUDITORIUM/GYMNASIUM ADDITION  
5900 RAIDER DRIVE NW SANDY SPRINGS, GA 30328  
FULTON COUNTY SCHOOLS RFP NO. XXX-XX

**GENERAL SCHEDULES**

PROJECT NO. 0217302.00  
DATE: 09/17/18  
DRAWN BY: RAS  
CHECKED BY: ACS

**S-0.03**

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