

1	ADDENDUM 1	03.22.18
NO	ISSUE	DATE
Job Number	152181.000	
Drawn	REE	
Checked	BMT	
Approved	JHT	

ZONE 1, ZONE 2, ZONE 3 - PRESSURE (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

ZONE 1 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-89.9	-89.9	-84.9	-81.9	-79.8	-78.2	-76.9	-75.8	-74.8	-73.9	-73.2	-61.5

ZONE 2 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-141.1	-141.1	-134.1	-129.9	-127.0	-124.7	-122.9	-121.3	-119.9	-118.7	-117.7	-101.3

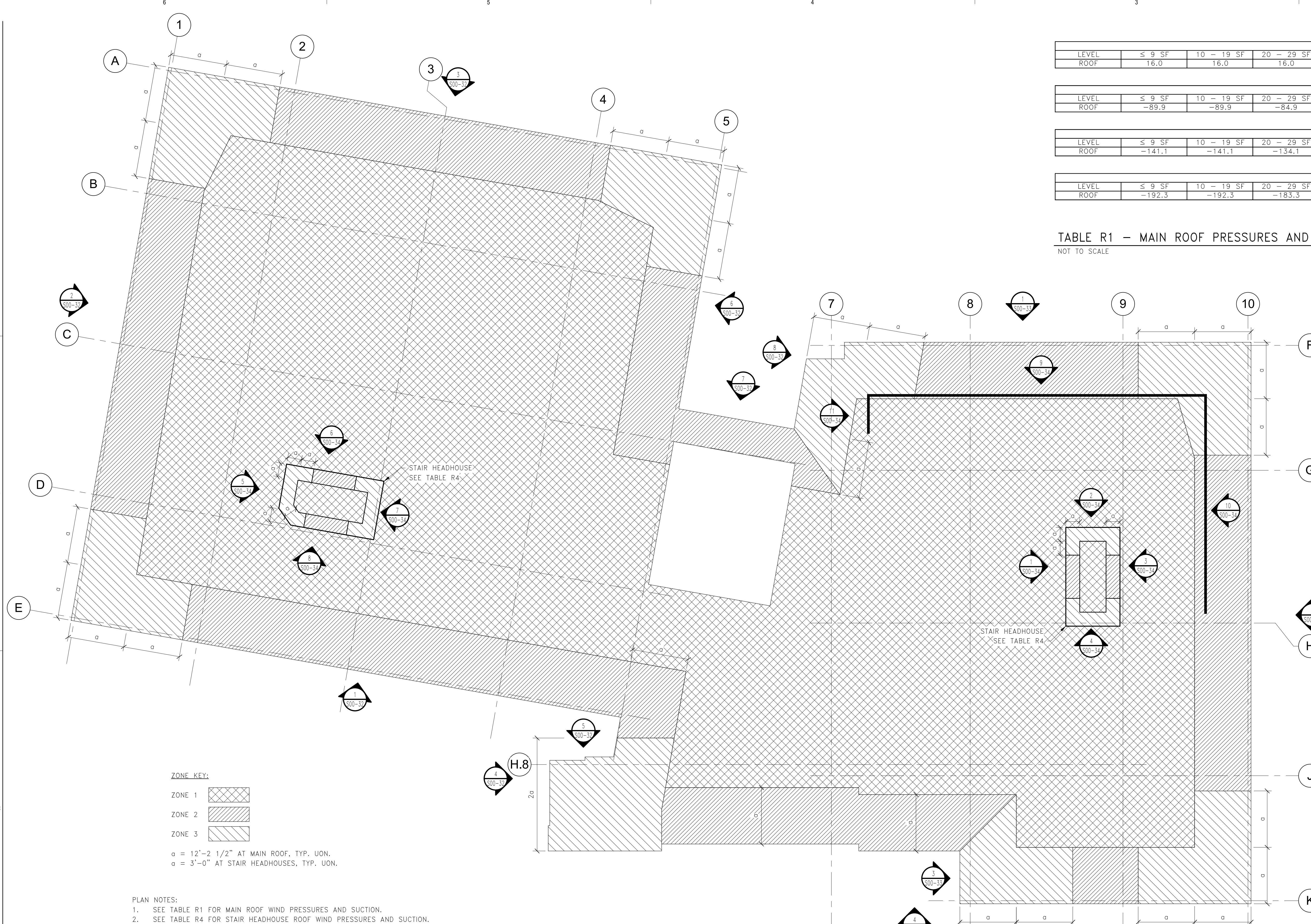
ZONE 3 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-192.3	-192.3	-183.3	-177.9	-174.2	-171.3	-168.9	-166.9	-165.1	-163.6	-162.2	-141.1

TABLE R1 - MAIN ROOF PRESSURES AND SUCTIONS

NOT TO SCALE

COMPONENTS AND CLADDING PRESSURE AND SUCTION NOTES:

- COMPONENT AND CLADDING WIND CRITERIA IS BASED ON FM GLOBAL REQUIREMENTS FOR THE PROJECT REFERENCED IN "FM GLOBAL PROPERTY LOSS PREVENTION DATA SHEETS 1-28 - WIND DESIGN".
- WIND LOAD PARAMETERS:
 A. BASIC STRENGTH DESIGN WIND SPEED (3 SECOND GUST), V_{max} 127 MPH (RISK CATEGORY IV, ASCE 7-10 1700 MRI)
 B. WIND EXPOSURE C (WITH ESCARPMENT) ± 0.18
 C. INTERNAL PRESSURE COEFFICIENT ± 0.18
- WIND PRESSURES AND SUCTIONS SHOWN HERE ARE FOR STRENGTH DESIGN.
- TO DETERMINE THE FM GLOBAL WIND RATING, SELECT THE SMALLEST TRIBUTARY AREA ON THE TABLE AND ROUND UP TO THE NEAREST INTERVAL OF 15.
- FOR DEFLECTION DESIGN, IN ACCORDANCE WITH IBC 2015 TABLE 1604.3, STRENGTH DESIGN WIND PRESSURES AND SUCTIONS MAY BE SCALED BY 0.42.
- WIND PRESSURES AND SUCTIONS ON COMPONENTS AND CLADDING ELEMENTS WITH AFFECTIVE AREAS OTHER THAN SHOWN HERE MAY NOT BE LINEARLY INTERPOLATED FROM THE VALUES SHOWN HERE. SEE ASCE7-10 FOR ADDITIONAL INFORMATION.



ZONE KEY:
 ZONE 1
 ZONE 2
 ZONE 3
 $a = 12'-2 \frac{1}{2}"$ AT MAIN ROOF, TYP. UON.
 $a = 3'-0"$ AT STAIR HEADHOUSES, TYP. UON.

PLAN NOTES:

- SEE TABLE R1 FOR MAIN ROOF WIND PRESSURES AND SUCTION.
- SEE TABLE R4 FOR STAIR HEADHOUSE ROOF WIND PRESSURES AND SUCTION.

MAIN ROOF WIND PRESSURES AND SUCTIONS

NOT TO SCALE

ZONE 1 - PRESSURE (PSF)

LEVEL	≤ 29 SF	30 - 119 SF	≥ 120 SF
HELIPAD	61.6	61.6	61.6

ZONE 1 - SUCTION (PSF)

LEVEL	≤ 29 SF	30 - 119 SF	≥ 120 SF
HELIPAD	-56.5	-56.5	-56.5

ZONE 2 - PRESSURE (PSF)

LEVEL	≤ 29 SF	30 - 119 SF	≥ 120 SF
HELIPAD	92.4	92.4	61.6

ZONE 2 - SUCTION (PSF)

LEVEL	≤ 29 SF	30 - 119 SF	≥ 120 SF
HELIPAD	-87.3	-87.3	-56.5

ZONE 3 - PRESSURE (PSF)

LEVEL	≤ 29 SF	30 - 119 SF	≥ 120 SF
HELIPAD	123.2	92.4	61.6

ZONE 3 - SUCTION (PSF)

LEVEL	≤ 29 SF	30 - 119 SF	≥ 120 SF
HELIPAD	-169.4	-87.3	-56.5

TABLE R2 - HELIPAD PRESSURES

NOT TO SCALE

ZONE 1, ZONE 2, ZONE 3 - PRESSURE (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

ZONE 1 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-95.4	-95.4	-90.1	-86.9	-84.7	-83.0	-81.6	-80.4	-79.4	-78.5	-77.6	-65.2

ZONE 2 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-149.8	-149.8	-142.3	-137.9	-134.8	-132.4	-130.4	-128.7	-127.3	-126.0	-124.9	-107.5

ZONE 3 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-204.1	-204.1	-194.5	-188.8	-184.8	-181.7	-179.2	-177.1	-175.2	-173.6	-172.1	-149.8

TABLE R3 - ELEVATOR HEADHOUSE ROOF PRESSURES

NOT TO SCALE

ZONE 1, ZONE 2, ZONE 3 - PRESSURE (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

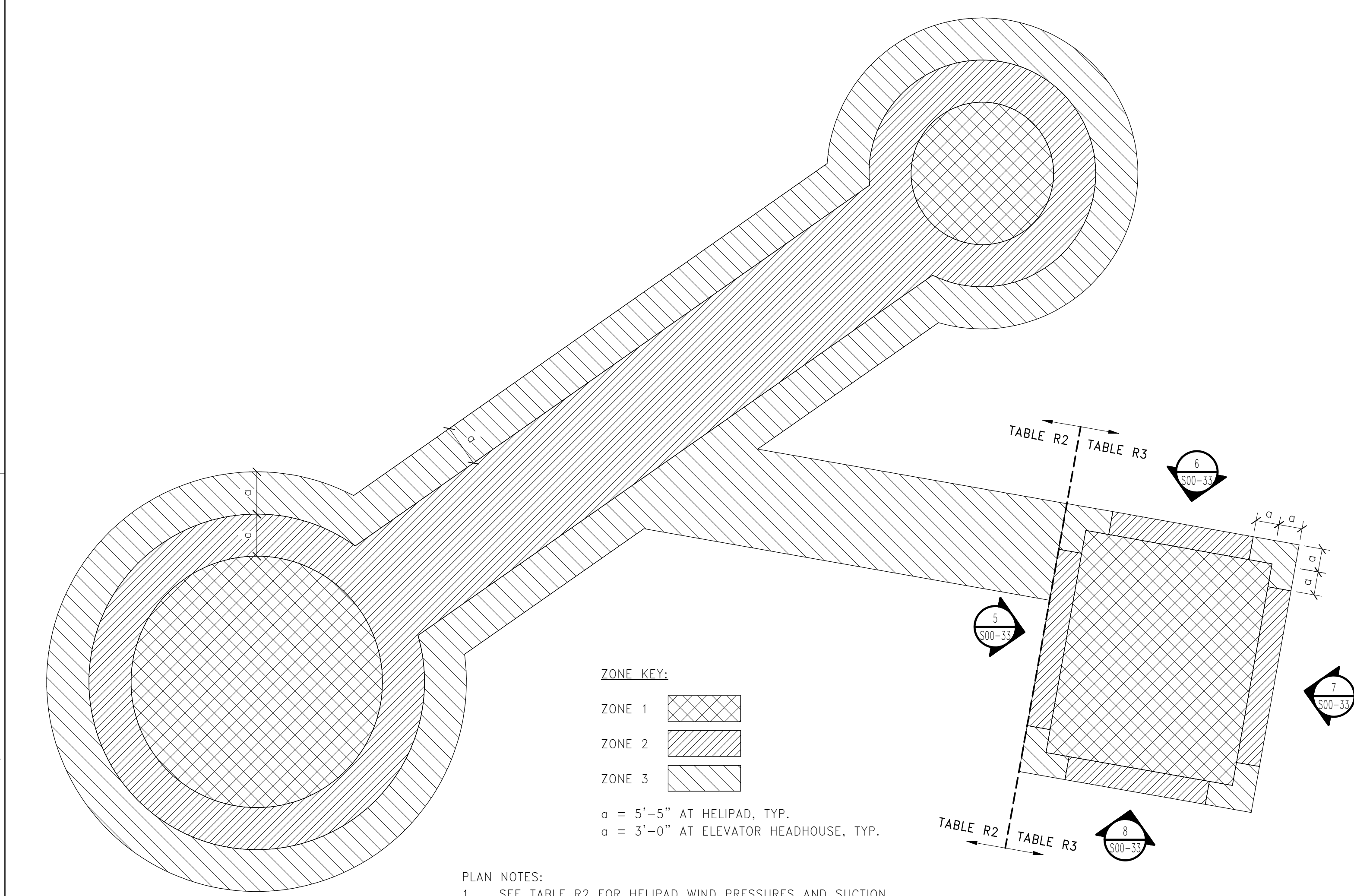
ZONE 1 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-91.9	-91.9	-86.8	-83.8	-81.7	-80.0	-78.7	-77.5	-76.3	-75.7	-74.9	-63.0

ZONE 2 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-144.0	-144.0	-136.9	-132.7	-129.7	-127.4	-125.5	-123.9	-122.5	-121.3	-120.2	-103.5

ZONE 3 - SUCTION (PSF)												
LEVEL	≤ 9 SF	10 - 19 SF	20 - 29 SF	30 - 39 SF	40 - 49 SF	50 - 59 SF	60 - 69 SF	70 - 79 SF	80 - 89 SF	90 - 99 SF	100 - 499 SF	≥ 500 SF
ROOF	-196.1	-196.1	-186.9	-181.5	-177.7	-174.7	-172.3	-170.2	-168.4	-166.9	-165.5	-144.0

TABLE R4 - STAIR HEADHOUSE ROOF PRESSURES

1/8" = 1'-0"



ZONE KEY:
 ZONE 1
 ZONE 2
 ZONE 3
 $a = 5'-5"$ AT HELIPAD, TYP.
 $a = 3'-0"$ AT ELEVATOR HEADHOUSE, TYP.

PLAN NOTES:

- SEE TABLE R2 FOR HELIPAD WIND PRESSURES AND SUCTION.
- SEE TABLE R3 FOR ELEVATOR HEADHOUSE WIND PRESSURES AND SUCTION.
- SEE TABLE R2 FOR HELIPAD SOFFIT WIND PRESSURES AND SUCTION.

HELIPAD AND ELEVATOR HEADHOUSE ROOF WIND PRESSURES AND SUCTIONS

NOT TO SCALE

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