

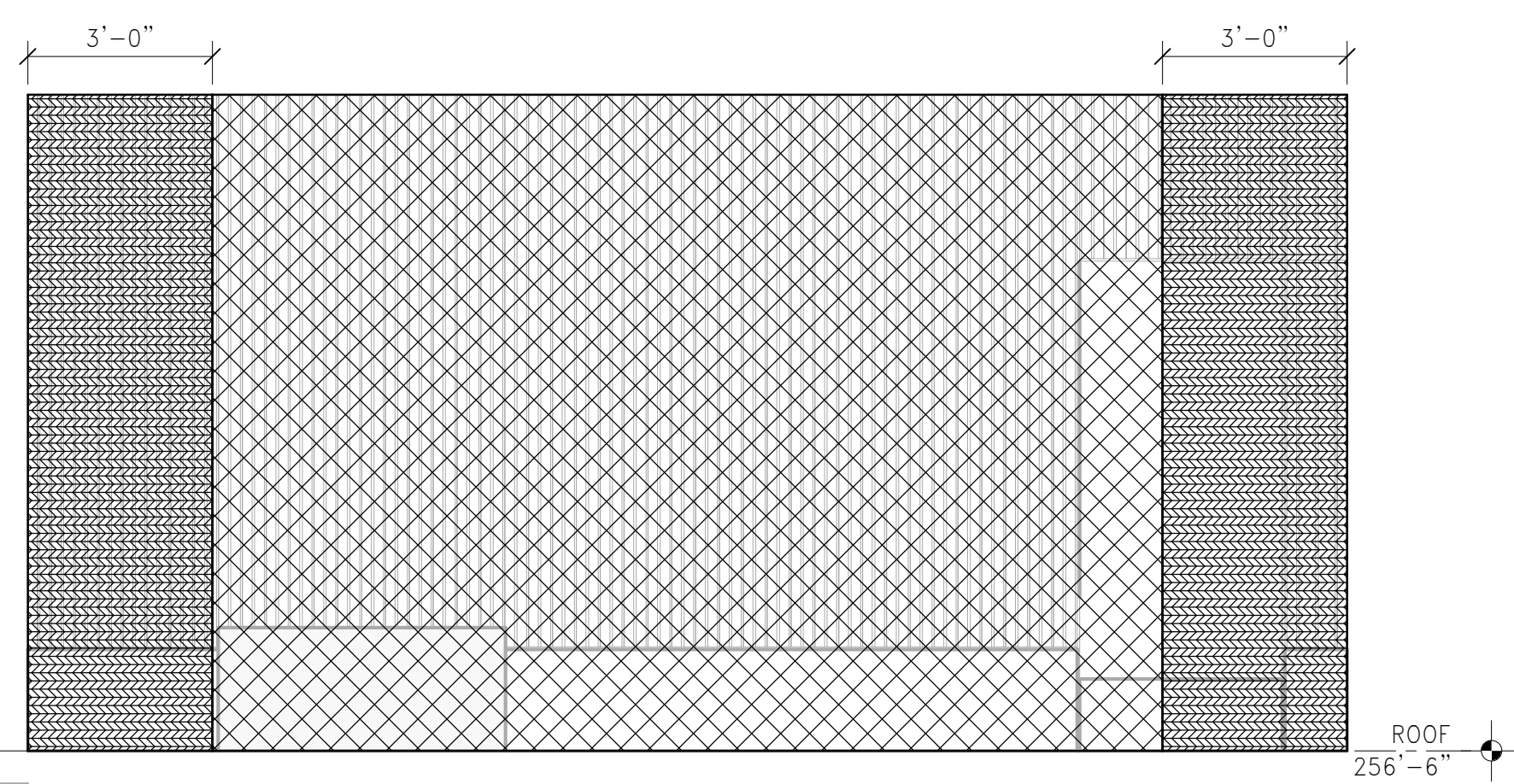
CONSTRUCTION DOCUMENTS
JANUARY 26, 2018

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

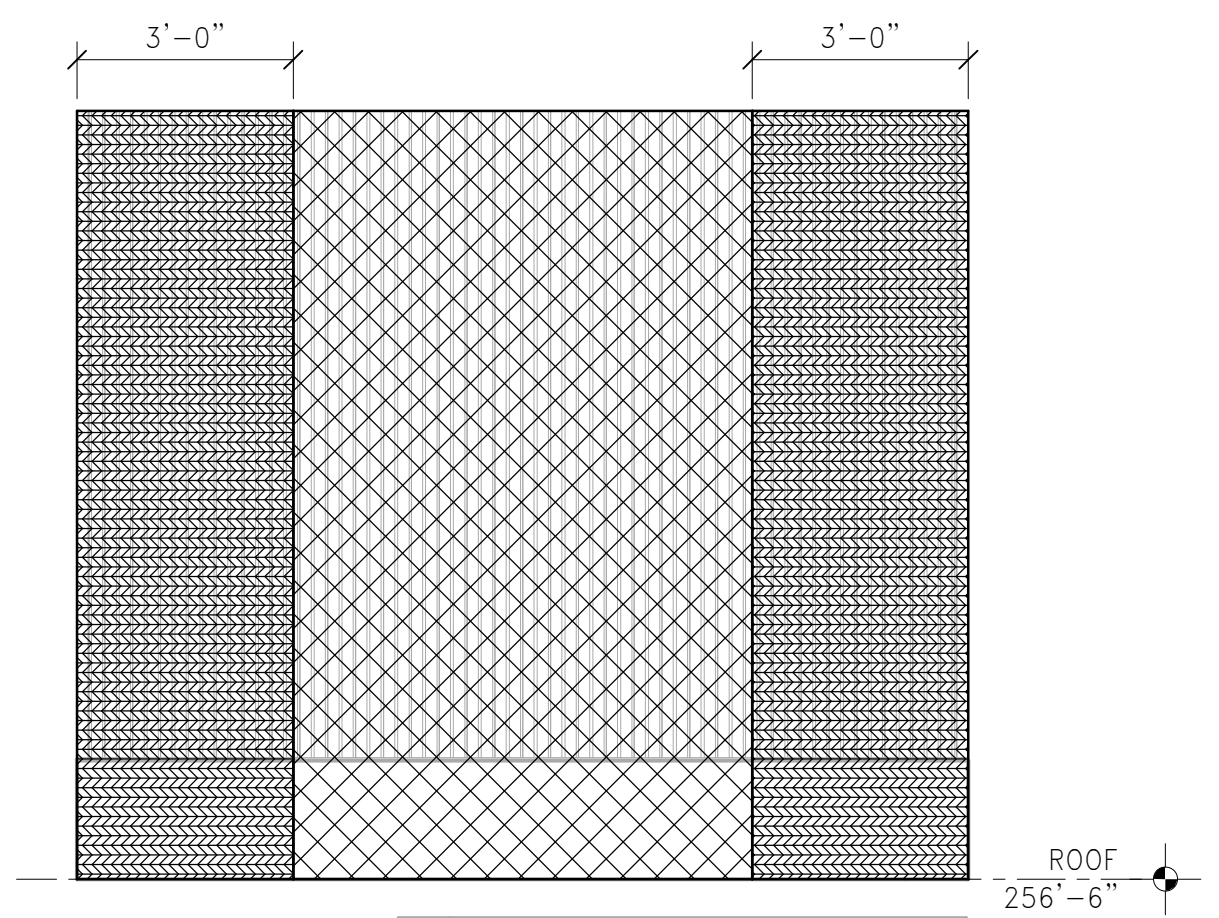
TITLE
COMPONENTS AND CLADDING WIND PRESSURES

SHEET NUMBER

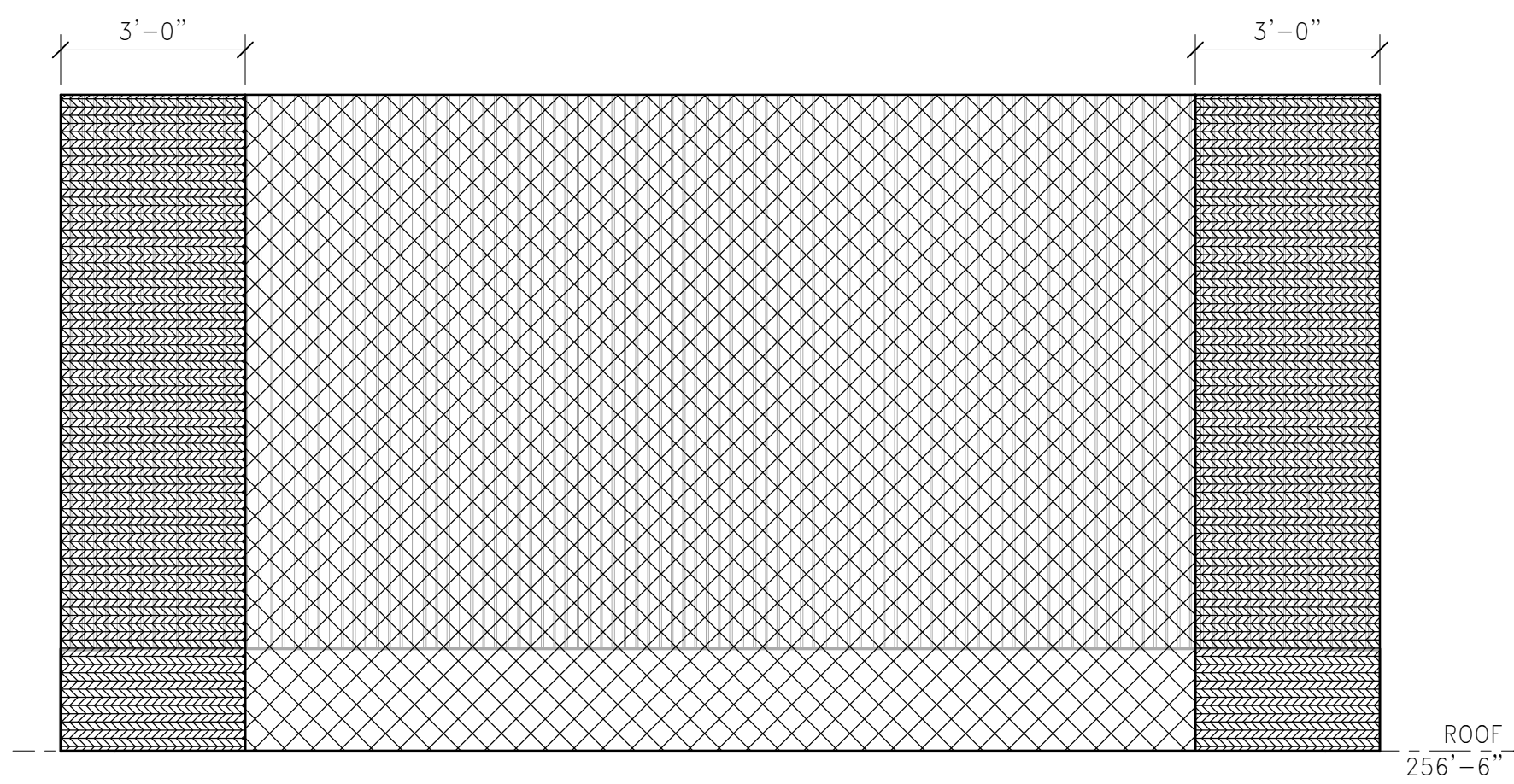
S00-34



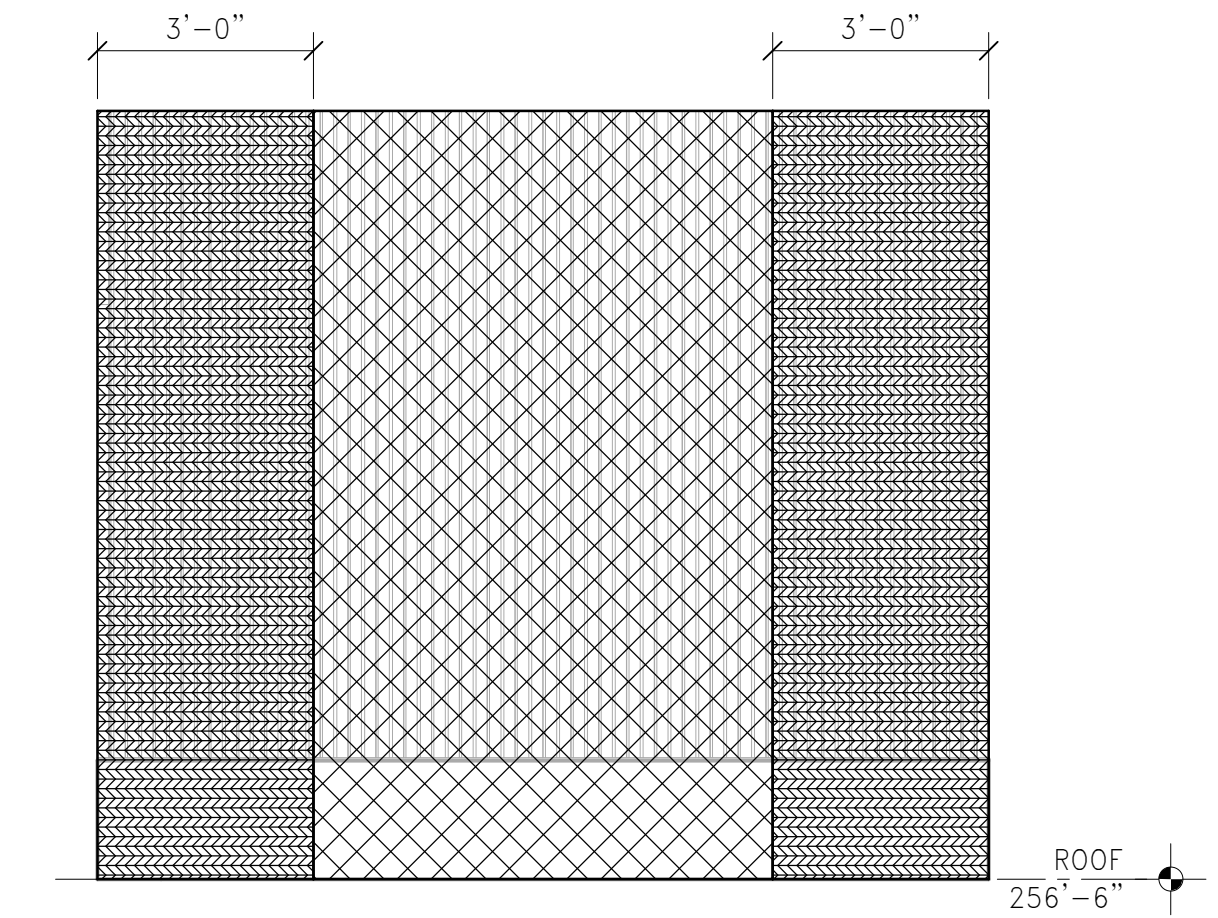
1 SOUTHERN STAIR HEADHOUSE – NORTH ELEVATION
3/8" = 1'-0"



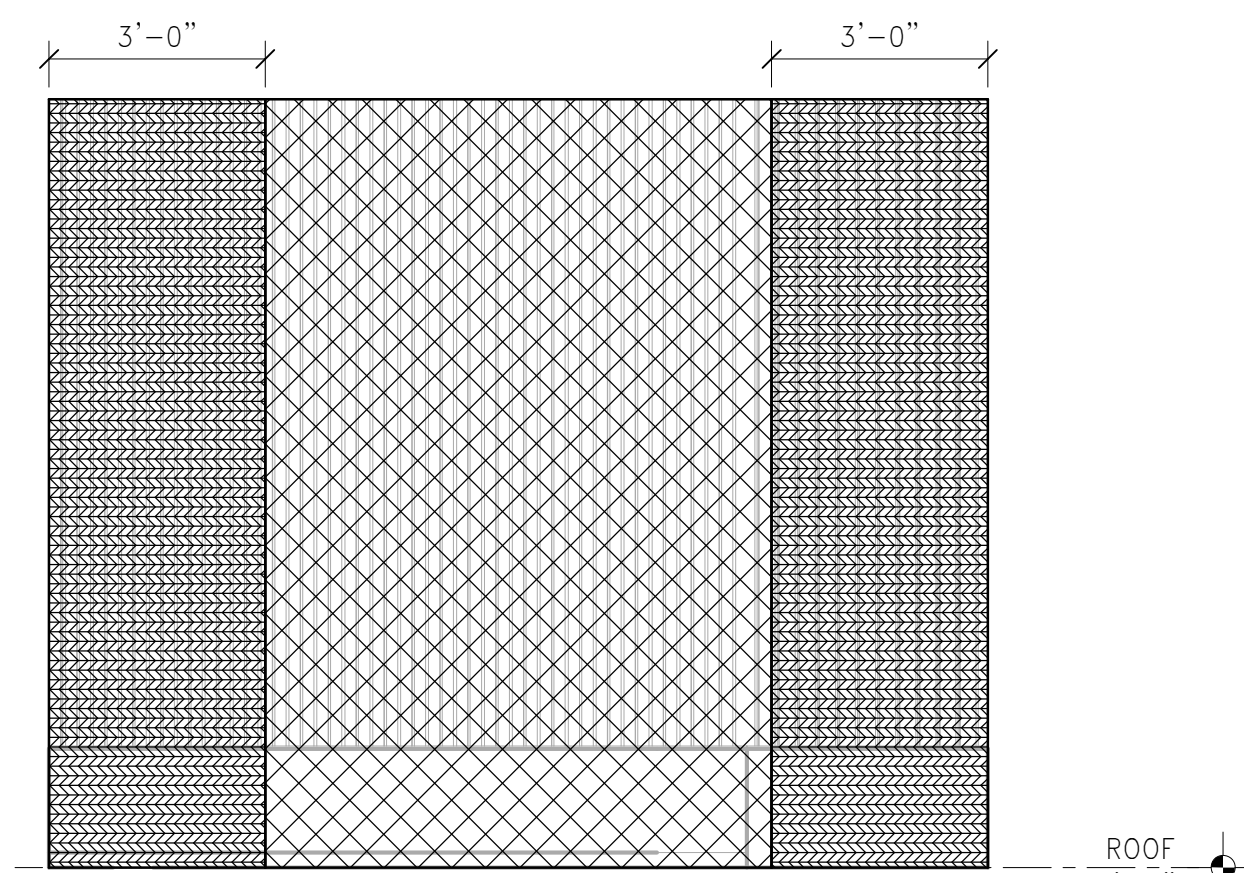
2 SOUTHERN STAIR HEADHOUSE – EAST ELEVATION
3/8" = 1'-0"



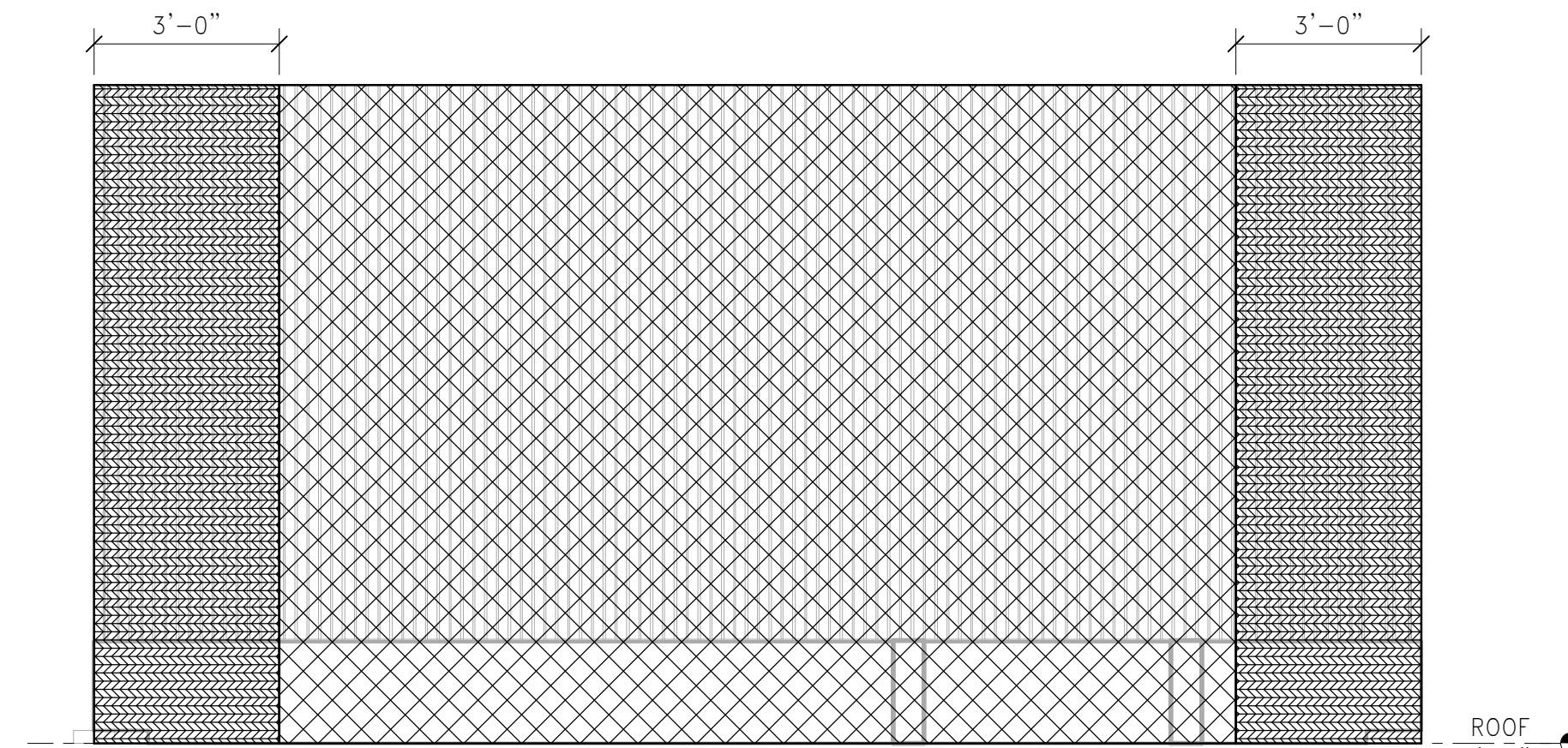
3 SOUTHERN STAIR HEADHOUSE – SOUTH ELEVATION
3/8" = 1'-0"



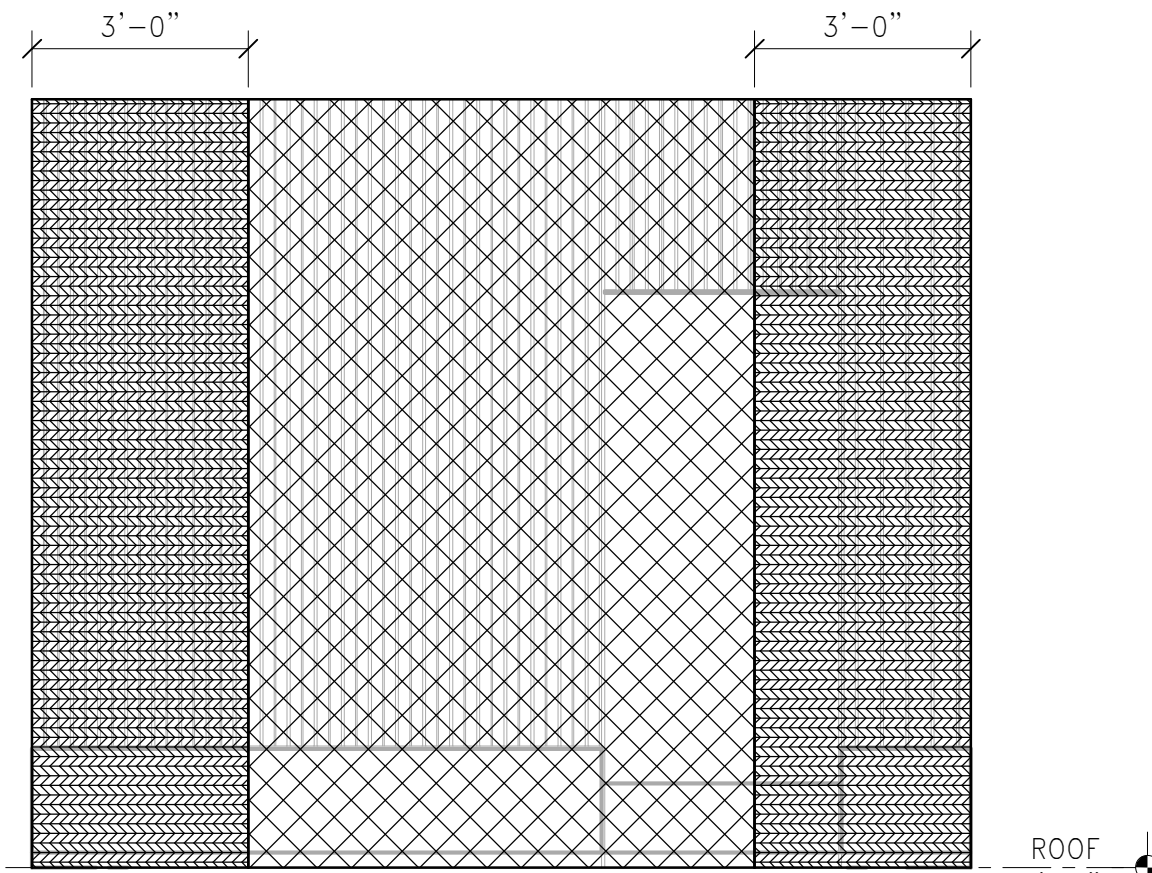
4 SOUTHERN STAIR HEADHOUSE – WEST ELEVATION
3/8" = 1'-0"



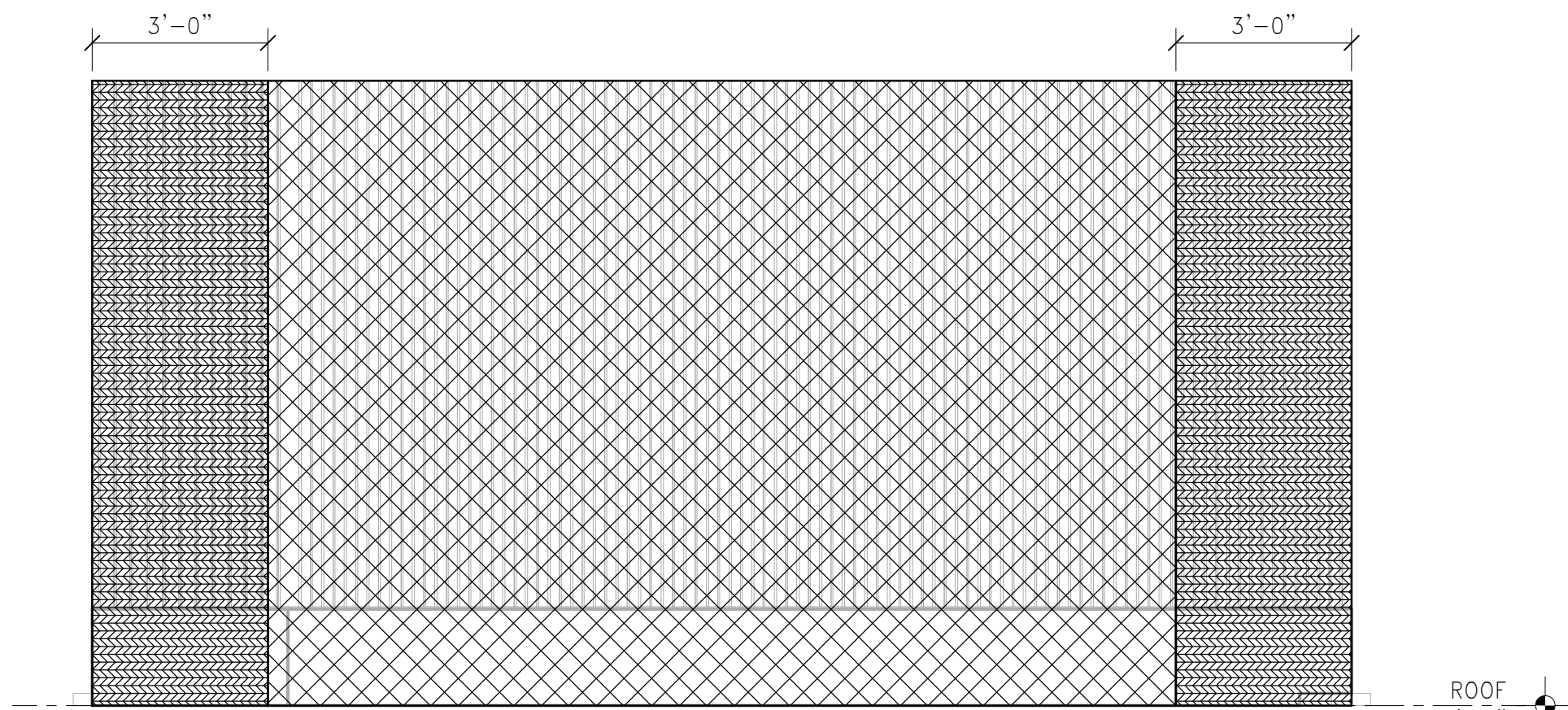
5 NORTHERN STAIR HEADHOUSE – NORTH ELEVATION
3/8" = 1'-0"



6 NORTHERN STAIR HEADHOUSE – EAST ELEVATION
3/8" = 1'-0"



7 NORTHERN STAIR HEADHOUSE – SOUTH ELEVATION
3/8" = 1'-0"

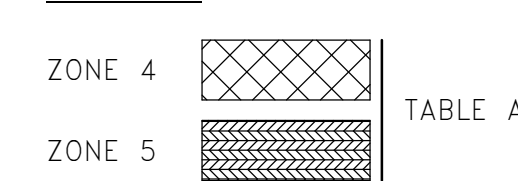


8 NORTHERN STAIR HEADHOUSE – WEST ELEVATION
3/8" = 1'-0"

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_{WS} 127 MPH (RISK CATEGORY IV, ASCE 7-10 1700 MRI)
B. WIND EXPOSURE C (WITH ESCARPMENT)
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.

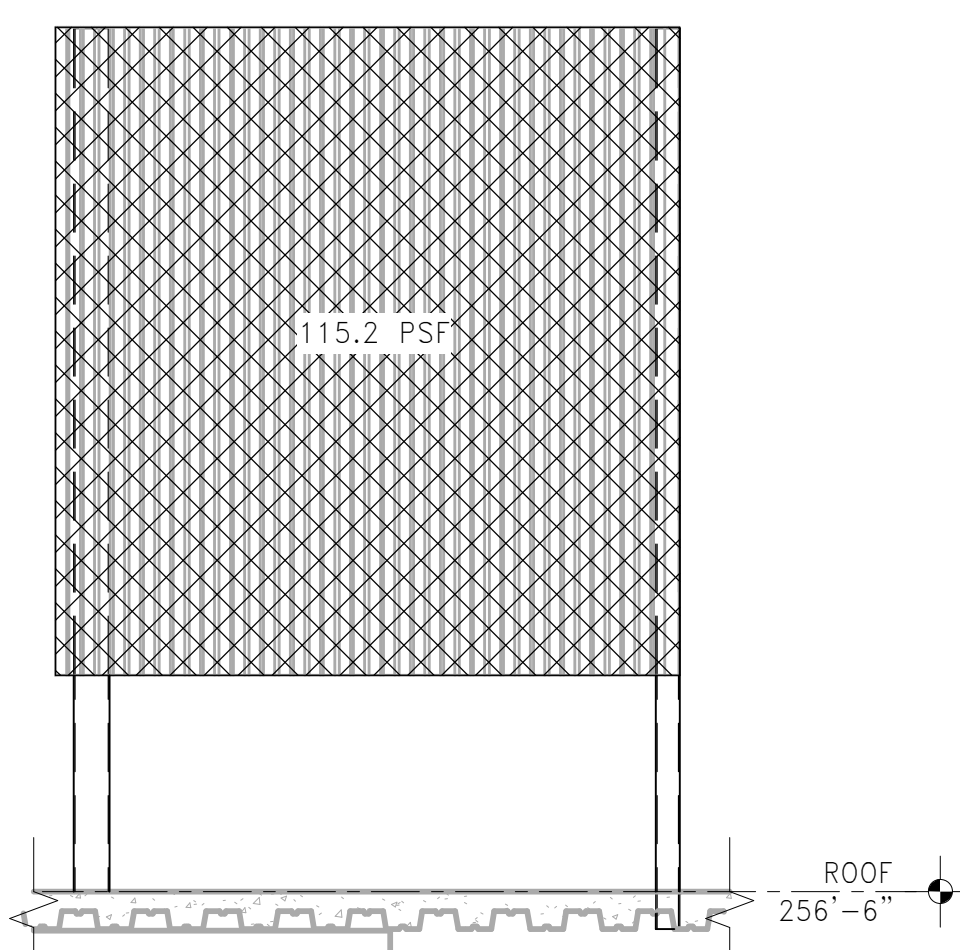
ZONE KEY:



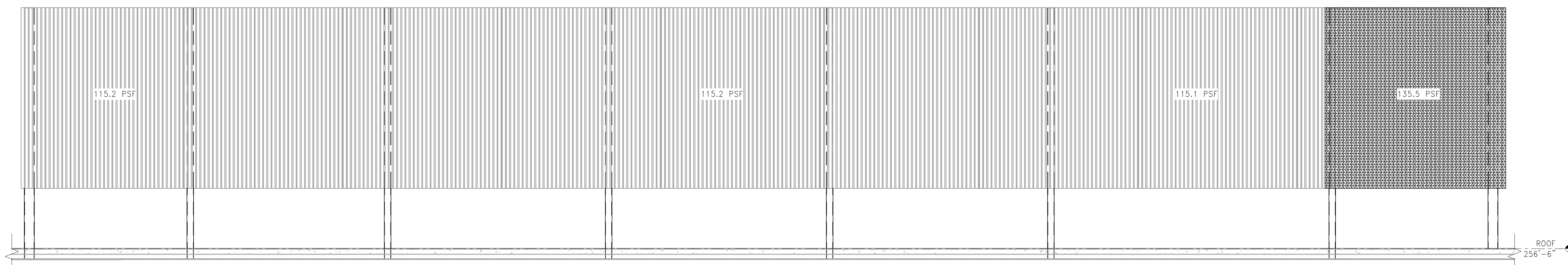
ZONE 4 – PRESSURE (PSF)											
LEVEL	≤ 19 SF	20 – 29 SF	30 – 39 SF	40 – 49 SF	50 – 59 SF	60 – 69 SF	70 – 79 SF	80 – 89 SF	90 – 99 SF	100 – 499 SF	≥ 500 SF
STAIR HEADHOUSE	64.1	64.1	61.9	60.3	59.0	58.0	57.2	56.4	55.8	55.2	46.2
ZONE 4 – SUCTION (PSF)											
LEVEL	≤ 19 SF	20 – 29 SF	30 – 39 SF	40 – 49 SF	50 – 59 SF	60 – 69 SF	70 – 79 SF	80 – 89 SF	90 – 99 SF	100 – 499 SF	≥ 500 SF
STAIR HEADHOUSE	-62.5	-62.5	-61.1	-60.0	-59.2	-58.6	-58.0	-57.5	-57.1	-56.7	-50.9
ZONE 5 – PRESSURE (PSF)											
LEVEL	≤ 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
STAIR HEADHOUSE	64.1	64.1	61.9	60.3	59.0	58.0	57.2	56.4	55.8	55.2	46.2
ZONE 5 – SUCTION (PSF)											
LEVEL	≤ 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
STAIR HEADHOUSE	-114.6	-114.6	-108.8	-104.7	-101.4	-98.8	-96.6	-94.7	-93.0	-91.5	-68.3

TABLE A – STAIR HEADHOUSE WALL PRESSURES

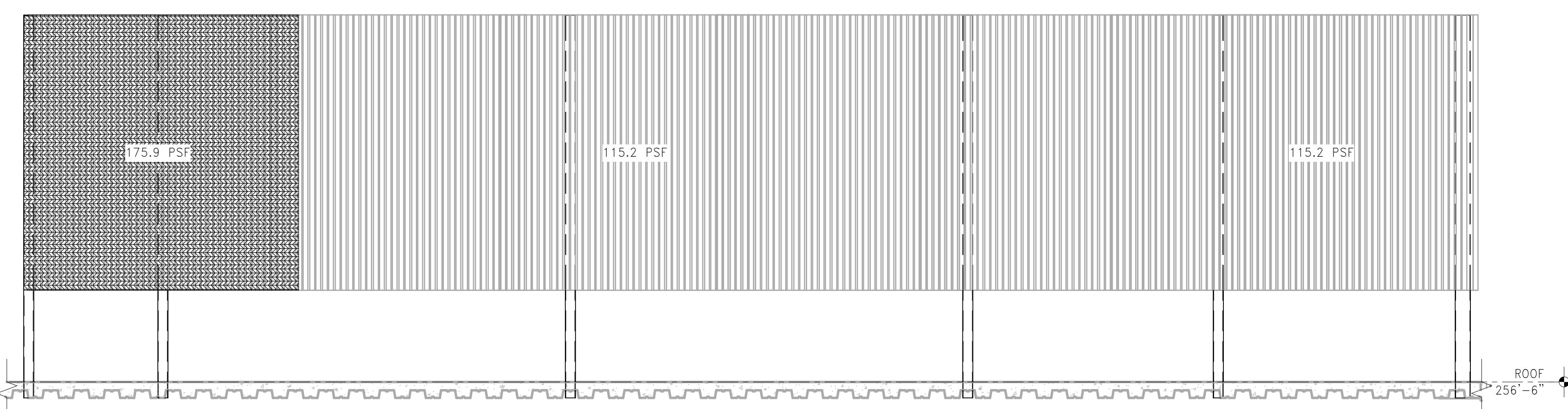
NOT TO SCALE



11 SCREEN WALL NORTH ELEVATION
3/8" = 1'-0"



9 SCREEN WALL EAST ELEVATION
3/8" = 1'-0"



10 SCREEN WALL SOUTH ELEVATION
3/8" = 1'-0"

SCREEN WALL COMPONENTS AND CLADDING 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_{WS} 127 MPH (RISK CATEGORY IV, ASCE 7-10 1700 MRI)
B. WIND EXPOSURE C (WITH ESCARPMENT)
C. INTERNAL PRESSURE COEFFICIENT ± 0.18
- NET WIND PRESSURES SHOWN HERE ARE FOR STRENGTH DESIGN.
- FOR DEFLECTION DESIGN, IN ACCORDANCE WITH IBC 2015 TABLE 1604.3, STRENGTH DESIGN WIND PRESSURES AND SUCTIONS MAY BE SCALED BY 0.42.

TABLE B – SCREEN WALL PRESSURES

NOT TO SCALE