

## LEGEND:

(HS) - HOT STACK FROM HEATER; SEVEN (7) LOCATIONS

(SD) - SCUPPER & DOWNSPOUT; ELEVEN (11) LOCATIONS

(EO) - EMERGENCY OVERFLOW; SIX (6) LOCATIONS

(PS) - PLUMBING STACK; ONE (1) LOCATION

## ROOF SYSTEM MUST COMPLY WITH THE FOLLOWING CODES AND REGULATIONS

- 1. BUILDING SUBCODE (NJAC 5:23-3.14)
- 2. INTERNATIONAL BUILDING CODE / 2018, NJ ED (IBC W/ NJ EDITS FROM 3.14)
- 3. I-CODES (IFC / 2018; ISPSC / 2018; ETC.)
- 4. ICC STANDARDS (ICC / ANSI A117.1-2009; ICC 300-2017; ETC.)
- 5. ENERGY SUBCODE (NJAC 5:23-3.18)
- 6. ASHRAE 90.1-2016 (COMMERCIAL & ALL OTHER RESIDENTIAL)
- 7. NRCA ROOFING MANUAL: MEMBRANE ROOF SYSTEMS

WIND UPLIFT DESIGN ASCE 7-16					
TABLE 27.5-2 PAGE 305 V = 15 MPH					
ZONE 3 = -30.0 PSF < 15 FEET FROM EDGE					
ZONE 4 = -26.7 PSF > 15 FEET & < 30 FEET FROM EDGE					
ZONE 5 = -21.9 PSF > 30 FEET FROM EDGE					
MINIMUM SAFETY FACTOR FOR ROOD SYSTEM = 2.0					
ZONE 5					
ZONE 4					

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