

---

---

# FIRE FLOW CALCULATIONS

---

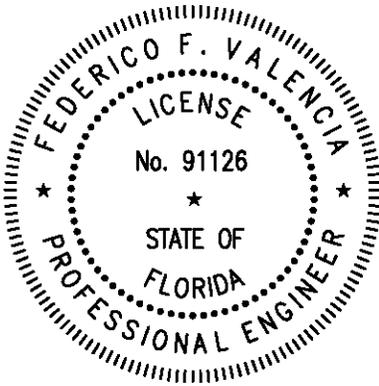
---

**Project:**

3081 MCNAB WAREHOUSE  
BROWARD COUNTY, FLORIDA  
STE PROJECT #23-4215

**Prepared by :**

SUN-TECH ENGINEERING, INC.  
4577 Nob Hill Road, Suite 102  
Sunrise, FL 33351



This item has been digitally signed and sealed by Federico F. Valencia, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

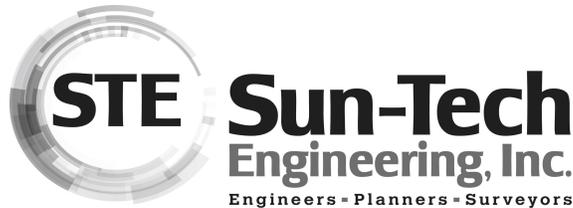
August 27, 2024

08/27/2024



---

Federico Valencia, P.E.  
FL REG. No. 91126



---

# DRC

PZ24-12000016

10/16/2024

3081 MCNAB WAREHOUSE STE PROJECT #23-4215			
FIRE FLOW CALCULATION (NFPA)			
NFPA 18.4 (FFPC 8th Ed.)			
Address:	3081 McNab Road, Pompano Beach, FL 33069	Calc Method:	NFPA
Project Name:	3081 MCNAB WAREHOUSE	Number of Stories:	1
Construction Type:	Existing Building: Type V(000) & Proposed Building: Type III(200)		
<b>STEP 1      Input Information</b>			
Bldg. Area (SF)			
	Existing =	15,000	
	Proposed =	16,929	
Fire Flow Area (SF) =		31,929	
<b>STEP 2      Minimum Required Fire Flow Per NFPA Table 18.4.5.2.1</b>			
Fire Flow (gpm) =		4250	
<b>STEP 3      Approved Fire Sprinkler System Credit</b>			
Sprinkler credit (%)		75%	
Fire Flow Required (gpm) =		1,063	
<b>STEP 4      Required Fire Flow</b>			
Fire Flow (gpm) =		1,100	
Flow Duration (hrs) =		2	