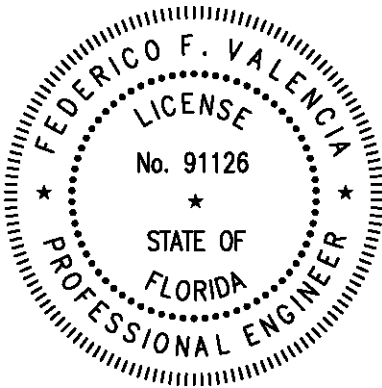

FIRE FLOW CALCULATIONS

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

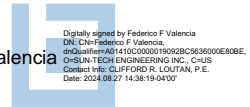


This item has been digitally signed and sealed by
Federico F. Valencia, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered
signed and sealed and the signature must be verified
on any electronic copies.

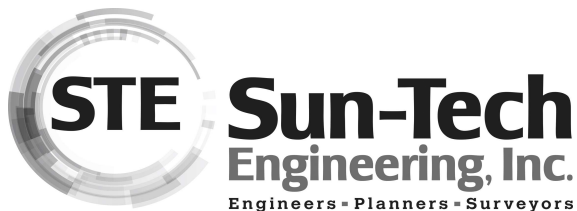
08/27/2024

August 27, 2024

Federico F Valencia



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)		
STEP 1 Input Information			
Bldg. Area (SF)		Existing = <table border="1" style="display: inline-table; width: 100px; text-align: center;">15,000</table>	
		Proposed = <table border="1" style="display: inline-table; width: 100px; text-align: center;">16,929</table>	
Fire Flow Area (SF) =		<table border="1" style="display: inline-table; width: 100px; text-align: center;">31,929</table>	
STEP 2 Minimum Required Fire Flow Per NFPA Table 18.4.5.2.1			
Fire Flow (gpm) =		<table border="1" style="display: inline-table; width: 100px; text-align: center;">4250</table>	
STEP 3 Approved Fire Sprinkler System Credit			
Sprinkler credit (%)		<table border="1" style="display: inline-table; width: 100px; text-align: center;">75%</table>	
Fire Flow Required (gpm) =		<table border="1" style="display: inline-table; width: 100px; text-align: center;">1,063</table>	
STEP 4 Required Fire Flow			
Fire Flow (gpm) =		<table border="1" style="display: inline-table; width: 100px; text-align: center;">1,100</table>	
Flow Duration (hrs) =		<table border="1" style="display: inline-table; width: 100px; text-align: center;">2</table>	