

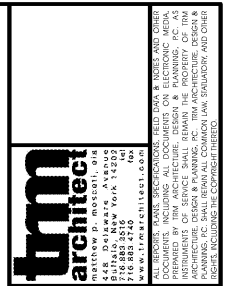
# LIFE STORAGE, INC.

## Life Storage #497

5800 Brookshire Blvd.  
Charlotte, NC 28216

The undersigned hereby certifies, that to the best of his knowledge, information, and belief, the plans and specifications are in accordance with the 2018 IBC - NORTH CAROLINA STATE AMENDMENTS: BUILDING CODE & ENERGY CONSERVATION CODE

Matthew P. Moscati, AIA, LEED AP



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DIRECTORY	DRAWING SCHEDULE	PROJECT SUMMARY	PROJECT LOCATION MAP																																																																																																												
<p><b>OWNER'S REPRESENTATIVE:</b></p> <p>LIFE STORAGE, INC. 6457 MAIN STREET BUFFALO, NY 14221-5890 Contacts: MR. THOMAS WILLETT Phone: (716) 650-6016 Fax: (716) 630-5164 E-mail: twillett@lifestorage.com</p> <p><b>ARCHITECT</b></p> <p>TRM ARCHITECTURE, DESIGN &amp; PLANNING, PC. 448 DELAWARE AVENUE BUFFALO, NEW YORK 14202 Contacts: MATTHEW MOSCATI - Principal Phone: (716) 883-3516 Fax: (716) 883-4740 E-mail: m.moscati@trmarchitect.com</p> <p><b>STRUCTURAL ENGINEER:</b></p> <p>PETRILLI STRUCTURAL AND CONSULTING ENGINEERING, PC 245 KINSEY AVE. KENMORE, NEW YORK 14217 Contacts: AJ PETRILLI PHONE: (716) 854-3508 E-mail: ajpetrilli@petrilliengineering.com</p> <p><b>MEP &amp; FP ENGINEER:</b></p> <p>KROMAC DESIGN, INC 10225 MAIN STREET, STE 10B CLARENCE, NEW YORK 14031 Contacts: KEVIN O'DONNELL PHONE: (716) 803-8787 E-mail: kevin@kromacdesign.com</p>	<p><b>ARCHITECTURAL DRAWINGS</b></p> <p>T1.0 COVER SHEET S1.0 SITE PLAN L51.1 FIRST FLOOR EGRESS PLAN L51.2 SECOND FLOOR EGRESS PLAN 1.0 FIRST FLOOR PLAN 1.1 SECOND FLOOR PLAN 2.0 REFLECTED CEILING PLAN 3.0 ROOF PLAN 4.0 ELEVATIONS 5.0 WALL SECTIONS 5.1 WALL SECTIONS 5.2 WALL SECTIONS 5.3 WALL SECTIONS 6.0 SCHEDULES 7.0 CANOPY DETAILS 7.1 STOREFRONT ELEVATIONS 7.2 STOREFRONT DETAILS 7.3 PARAPET &amp; WALL BASE DETAILS 7.4 EXTERIOR WALL DETAILS 8.0 STAIR &amp; PLANS, SECTION AND DETAILS 8.1 STAIR B PLANS AND SECTION 9.0 DOOR DETAILS FP1.0 NOTES AND SCHEDULES</p> <p><b>STRUCTURAL DRAWINGS</b></p> <p>S0 GENERAL NOTES S1 FOUNDATION PLAN S2 SECOND FLOOR FRAMING PLAN S3 ROOF FRAMING S4 DETAILS S5 DETAILS S6 DETAILS S7 DETAILS S8 DETAILS S9 DETAILS S10 DETAILS S11 DETAILS</p> <p><b>MECHANICAL DRAWINGS</b></p> <p>M1 NOTES AND SCHEDULES M2 FIRST FLOOR PLAN M3 SECOND FLOOR PLAN M4.0 ROOF PLAN</p> <p><b>ELECTRICAL DRAWINGS</b></p> <p>E1.0 FIRST FLOOR PLAN - POWER AND SYSTEMS E2.0 SECOND FLOOR PLAN - POWER AND SYSTEMS E3.0 FIRST FLOOR PLAN - LIGHTING E4.0 SECOND FLOOR PLAN - LIGHTING E5.0 ROOF PLAN - POWER E6.0 ELECTRICAL ONE-LINE DIAGRAM E7.0 ELECTRICAL SCHEDULES AND LEGENDS E8.0 ELECTRICAL DETAILS E9.0 ELECTRICAL SPECIFICATIONS</p> <p><b>PLUMBING DRAWINGS</b></p> <p>P1.0 NOTES AND SCHEDULES P2.0 FIRST FLOOR PLAN P3.0 SECOND FLOOR PLAN P4.0 ROOF PLAN P5.0 GAS RISER AND DETAILS</p> <p><b>FIRE PROTECTION DRAWINGS</b></p> <p>FP1.0 NOTES AND SCHEDULES FP2.0 FIRST FLOOR PLAN FP3.0 SECOND FLOOR PLAN</p>	<p><b>PROJECT SUMMARY</b></p> <table border="1"> <thead> <tr> <th>ITEM</th> <th>PROPOSED</th> <th>ALLOWED</th> <th>CODE REF.</th> </tr> </thead> <tbody> <tr> <td>Occupancy group:</td> <td>S-1 Storage</td> <td>Medium Hazard</td> <td>SECT. 511.2</td> </tr> <tr> <td>Construction type:</td> <td>TYPE IIB</td> <td></td> <td>SECT. 510.1</td> </tr> <tr> <td>Site Area:</td> <td>179,323 S.F.</td> <td></td> <td></td> </tr> <tr> <td>Building Area:</td> <td>11,415 S.F.</td> <td>59,500 max.</td> <td>TABLE 504.5</td> </tr> <tr> <td>Stories above Grade:</td> <td>2</td> <td>3 max.</td> <td>TABLE 504.4</td> </tr> <tr> <td>Building Height:</td> <td>27.5'</td> <td>35' max.</td> <td>TABLE 504.3</td> </tr> <tr> <td>Smoke Alarm:</td> <td>Yes</td> <td></td> <td>SECT. 903.3.1.1</td> </tr> <tr> <td>Carbon Monoxide Detector:</td> <td>Yes</td> <td></td> <td></td> </tr> <tr> <td>Fire resistance Ratings:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Primary Structural Frame:</td> <td>0</td> <td>0</td> <td></td> </tr> <tr> <td>Bearing Wall Ext. / Int.:</td> <td>0/0</td> <td>0/0</td> <td></td> </tr> <tr> <td>Non-Bearing Wall Ext. / Int.:</td> <td>0/0</td> <td>0/0</td> <td></td> </tr> <tr> <td>Floor Const. &amp; 2nd Mem.:</td> <td>0</td> <td>0</td> <td></td> </tr> <tr> <td>Roof Const. &amp; 2nd Mem.:</td> <td>0</td> <td>0</td> <td></td> </tr> <tr> <td>Occupant:</td> <td>47</td> <td></td> <td>TABLE 1004.1.2</td> </tr> <tr> <td>Stair:</td> <td>48"</td> <td>48"</td> <td>SECT. 1009.3</td> </tr> <tr> <td>Exit:</td> <td>146'</td> <td>250'</td> <td>TABLE 1017.2</td> </tr> <tr> <td>1st Floor:</td> <td>198'</td> <td></td> <td></td> </tr> <tr> <td>2nd Floor:</td> <td>0</td> <td></td> <td>TABLE 1020.1</td> </tr> <tr> <td>1st Flr. = 28'</td> <td>60'</td> <td>44'</td> <td>TABLE 1020.2</td> </tr> <tr> <td>2nd Flr. = 36'</td> <td>131'</td> <td>50' max.</td> <td>SECT. 1020.4, EXEMPTION #2</td> </tr> <tr> <td>Number of exits per story:</td> <td>2</td> <td>2</td> <td>TABLE 1006.3.1</td> </tr> <tr> <td>Stairway fire-resistance:</td> <td>2 hour</td> <td>2</td> <td>TABLE 601, SECT. 705, SECT. 1023</td> </tr> <tr> <td>Required water closets:</td> <td>2 TOILETS, 2 LAV</td> <td>1 TOILET/100</td> <td>TABLE 2902.1</td> </tr> <tr> <td>Required drinking fountains:</td> <td>Use of existing facilities within existing building</td> <td>1 LAV/100</td> <td></td> </tr> <tr> <td></td> <td>New office equipped with water dispenser</td> <td></td> <td></td> </tr> </tbody> </table> <p><b>GENERAL NOTES</b></p> <ol style="list-style-type: none"> <li>FIRE EXTINGUISHER LOCATIONS PER LOCAL CODES AND FIRE MARSHALL'S REQUIREMENTS. THE SIZE SHALL BE A MINIMUM OF 2A 10BC AND SHALL BE INSTALLED AT A MAXIMUM OF 48" ABOVE FINISHED FLOOR TO THE TOP OF THE HANDLE, G.C.T. TO REVIEW NUMBER AND LOCATION OF FIRE EXTINGUISHERS WITH FIRE MARSHALL PRIOR TO INSTALLATION, (MAKE ADJUSTMENTS IF NECESSARY).</li> <li>PRE-ENGINEERED METAL BUILDING MANUFACTURER TO SIZE AND LOCATE GUTTERS AND DOWNSPOUTS. DOWNSPOUT LOCATIONS ARE FOR REFERENCE ONLY. INSTALL FLASHING AND COUNTER FLASHING AT ALL ROOF PENETRATIONS PER METAL BLDG. MFR. STANDARD DETAILS.</li> <li>GENERAL CONTRACTOR TO PROVIDE DISABLED ACCESS STORAGE UNITS PER CODE.</li> <li>GENERAL CONTRACTOR TO PROVIDE CONDUIT FOR OWNER'S CAMERA &amp; KEYPAD SYSTEM. GENERAL CONTRACTOR TO CONFIRM &amp; COORDINATE REQUIREMENTS WITH OWNER.</li> <li>THE METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF THE STRUCTURAL SUPPORT OF THE FLOOR, WALLS AND ROOF SYSTEM PER CODE. THE DRAWINGS SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE GOVERNING STATE. THE METAL BUILDING SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND ARCHITECT OF RECORD FOR REVIEW.</li> <li>THE OWNER SHALL PROVIDE AN APPROVED THIRD PARTY INSPECTION AND TESTING AGENCY PER CODE TO PROVIDE ALL INSPECTIONS AND FURNISH REPORTS FOR THIS PROJECT PER CODE.</li> </ol> <p><b>REQUIRED TESTS:</b></p> <ul style="list-style-type: none"> <li>SOIL BEARING CAPACITY &amp; FOUNDATION RECOMMENDATIONS</li> <li>CONCRETE REINFORCEMENT</li> <li>REINFORCED MASONRY, GROUT AND MORTAR</li> <li>STEEL ERECTION AND CONNECTIONS</li> </ul>	ITEM	PROPOSED	ALLOWED	CODE REF.	Occupancy group:	S-1 Storage	Medium Hazard	SECT. 511.2	Construction type:	TYPE IIB		SECT. 510.1	Site Area:	179,323 S.F.			Building Area:	11,415 S.F.	59,500 max.	TABLE 504.5	Stories above Grade:	2	3 max.	TABLE 504.4	Building Height:	27.5'	35' max.	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