

# MY STORAGE UNIT

# LILLINGTON, NORTH CAROLINA

## SUBMITTED TO:

MY STORAGE UNIT, LLC. ATTN: JOE GARDNER 116 TYSINGER ROAD LILLINGTON, NORTH CAROLINA 27546

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NOTE: DETAIL LABELS CONTAINED WITHIN THIS SET OF PLANS MAY REFERENCE THE ERECTION DRAWINGS MARKED IN THIS SCHEDULE. EXAMPLE: DETAIL A/900 REFERS TO DETAIL "A" LOCATED ON ERC900X.

ERECTION DRAWINGS									
ERC010X		ERC200X		ERC420X		ERC619X		ERC752X	
ERC016X	X	ERC201X	X	ERC500X		ERC620X		ERC753X	
ERC100X	X	ERC202X	X	ERC505X	X	ERC621X		ERC754X	
ERC105X	X	ERC203X	X	ERC506X	X	ERC622X		ERC800X	
ERC106X		ERC204X		ERC515X		ERC623X		ERC900X	
ERC110X	X	ERC206X		ERC600X	X	ERC624X		ERC901X	
ERC112X		ERC207X		ERC601X	X	ERC625X		ERC902X	
ERC115X		ERC208X		ERC602X		ERC626X		ERC903X	
ERC120X		ERC209X		ERC603X		ERC630X	X	ERC904X	
ERC130X		ERC250X		ERC604X		ERC631X	X	ERC905X	
ERC150X		ERC250XFHP		ERC605X		ERC652X		ERC907X	
ERC151X		ERC251X		ERC606X		ERC700X	X	ERC908X	
ERC152X		ERC251XFHP		ERC607X		ERC710X		ERC910X	
ERC153X		ERC252X		ERC608X		ERC711X	$\times$	ERC911X	
ERC154X		ERC251XFHP		ERC609X		ERC712X	X	ERC912X	
ERC155X		ERC253X		ERC610X	X	ERC713X	X	ERC913X	
ERC175X		ERC254X		ERC611X		ERC720X		ERC914X	
ERC176X		ERC255X		ERC612X		ERC725X		ERC915X	
ERC177X		ERC256X		ERC613X		ERC730X		ERC916X	
ERC178X		ERC257X		ERC614X		ERC731X		ERC917X	
ERC179X		ERC258X		ERC615X		ERC731XFHP		ERC918X	
ERC180X		ERC302X		ERC616X		ERC732X		ERC919X	
ERC181X		ERC302X(INS)		ERC617X		ERC732XFHP			
ERC182X		ERC410XFL	X	ERC618X		ERC750X			

ERC411X ERC618XALT ERC751X

ERC183X

SCHEDULE OF DRAWINGS DRAWING NO. **DESCRIPTION** CS1..... COVER SHEET CS2. . . . . . . . BUILDING NOTES .... APPENDIX B S1 ELEVATIONS & NOTES
S2 FLOOR PLAN, CROSS SECTION, & NOTES
S3 FLOOR PLAN, DETAILS & NOTES F1 FOUNDATION PLAN, DETAILS & NOTES
F2 FOUNDATION PLAN, DETAILS & NOTES

#### WIND LOAD DESIGN DATA:

ULTIMATE DESIGN WIND SPEED (V<sub>ULT</sub>): 110 MPH NOMINAL DESIGN WIND SPEED (VASD): 86 MPH RISK CATEGORY: I

WIND EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: ± 0.18

#### SNOW LOAD DESIGN DATA:

GROUND SNOW LOAD (Pg): 15 PSF

FLAT-ROOF SNOW LOAD (Pf): 12.1 PSF

SNOW EXPOSURE FACTOR (Ce): 1.2

SNOW LOAD IMPORTANCE FACTOR (I): 0.8

THERMAL FACTOR (Ct): 1.2

#### EARTHQUAKE LOAD DESIGN DATA:

- RISK CATEGORY: I
- SEISMIC IMPORTANCE FACTOR (I): 1.0
- SEISMIC DESIGN CATEGORY: C
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE (ASCE 7-10 SECTION 12.8)
- BASIC SEISMIC-FORCE-RESISTING SYSTEM: LIGHT FRAMED WALLS WITH STEEL SHEAR PANELS
- SITE CLASS: D
- DESIGN BASE SHEAR:

BUILDING "1": 0.700<sup>K</sup> BUILDING "2": 0.364<sup>K</sup>

- RESPONSE MODIFICATION FACTOR (R): 7.0
- SEISMIC RESPONSE COEFFICIENT (C<sub>S</sub>): 0.028
- MAPPED SPECTRAL RESPONSE ACCELERATION

 $(S_s)$ : 18.3% G

 $(S_1)$ : 8.6% G

- SPECTRAL RESPONSE COEFFICIENTS

 $(S_{DS}): 19.5\% G$ 

 $(S_{D1}): 13.8\% G$ 

### BUILDING DATA:

**BUILDING DESCRIPTION:** 

SINGLE STORY METAL BUILDINGS BOLTED TO CONCRETE SLAB FOUNDATIONS.

**BUILDING SIZE:** 

 $20' \times 250' = 5,000 \text{ sq. ft.}$  8'-6" EAVE HEIGHT  $20' \times 130' = 2,600 \text{ sq. ft.}$  8'-6" EAVE HEIGHT BUILDING "1" BUILDING "2"

TOTAL = 7,600 sq. ft.PARKING DATA:

SEE SITE PLAN BY OTHERS

BUILDING CODE:

THE 2018 NORTH CAROLINA BUILDING CODE

DESIGN CRITERIA:

THESE BUILDINGS HAVE BEEN DESIGNED TO CONFORM TO THE STRUCTURAL REQUIREMENTS OF THE 2018 NORTH CAROLINA BUILDING CODE, WITH CURRENT REVISIONS.

THESE BUILDINGS HAVE BEEN DESIGNED FOR THE FOLLOWING LIVE LOADINGS IN ADDITION TO THE DEAD LOADINGS:

ROOF LIVE LOADING:

20 psf

FLOOR LIVE LOADING:

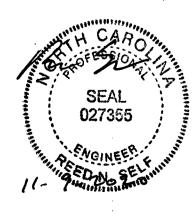
125 psf USE GROUP: S-1

TYPE OF CONSTRUCTION: II-B

IT IS THE RESPONSIBILITY OF THE BUYER/OWNER TO VERIFY THE FIREWALL, LIVE LOAD AND WIND LOAD REQUIREMENTS WITH THE LOCAL CODE AUTHORITY.

PROJECT NUMBER:

NC20251



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Limited Engineering License # D-0140

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