



CONSOLIDATED SELF STORAGE
BENSON, NORTH CAROLINA

SUBMITTED TO :

CONSOLIDATED OF NC
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WIND LOAD DESIGN DATA:

ULTIMATE DESIGN WIND SPEED (V_{ULT}): 110 MPH
 NOMINAL DESIGN WIND SPEED (V_{ASD}): 86 MPH
 RISK CATEGORY: I
 WIND EXPOSURE: B
 INTERNAL PRESSURE COEFFICIENT: ± 0.18

SNOW LOAD DESIGN DATA:

GROUND SNOW LOAD (P_g): 15 PSF
 FLAT-ROOF SNOW LOAD (P_f): 12.1 PSF
 SNOW EXPOSURE FACTOR (C_e): 1.2
 SNOW LOAD IMPORTANCE FACTOR (I): 0.8
 THERMAL FACTOR (C_t): 1.2

EARTHQUAKE LOAD DESIGN DATA:

- RISK CATEGORY: I
- SEISMIC IMPORTANCE FACTOR (I): 1.0
- SEISMIC DESIGN CATEGORY: B
- 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": 0.488^K
 - BUILDING "2": 0.488^K
 - BUILDING "3": 0.488^K
- RESPONSE MODIFICATION FACTOR (R): 7.0
- SEISMIC RESPONSE COEFFICIENT (C_s): 0.026
- MAPPED SPECTRAL RESPONSE ACCELERATION
 - (S_B): 17.4% G
 - (S_1): 8.3% G
- SPECTRAL RESPONSE COEFFICIENTS
 - (S_{DB}): 18.5% G
 - (S_{D1}): 13.2% G

BUILDING DATA :

BUILDING DESCRIPTION :
 SINGLE STORY METAL BUILDINGS BOLTED TO CONCRETE SLAB FOUNDATIONS.

BUILDING SIZE :

BUILDING "1"	30' x 125'	=	3,750 sq. ft.	8'-6" EAVE HEIGHT
BUILDING "2"	30' x 125'	=	3,750 sq. ft.	8'-6" EAVE HEIGHT
BUILDING "3"	30' x 125'	=	3,750 sq. ft.	8'-6" EAVE HEIGHT
			TOTAL =	11,250 sq. ft.

PARKING DATA :
 SEE SITE PLAN BY OTHERS

BUILDING CODE :
 THE 2018 NORTH CAROLINA BUILDING CODE

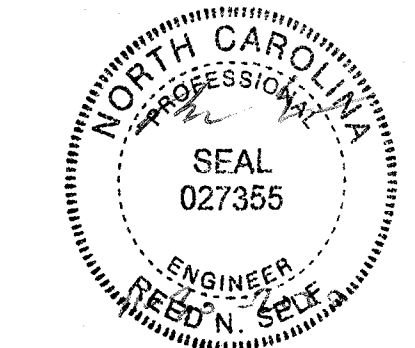
DESIGN CRITERIA :
 THESE BUILDINGS HAVE BEEN DESIGNED TO CONFORM TO THE STRUCTURAL REQUIREMENTS OF THE 2018 NORTH CAROLINA BUILDING CODE, WITH CURRENT REVISIONS.

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 :
 NC20262



NOTE: DETAIL LABELS CONTAINED WITHIN THIS SET OF PLANS MAY REFER TO 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	ERC201X	ERC500X	ERC620X	ERC753X
ERC100X	ERC202X	ERC505X	ERC621X	ERC754X
ERC105X	ERC203X	ERC506X	ERC622X	ERC800X
ERC106X	ERC204X	ERC515X	ERC623X	ERC900X
ERC110X	ERC206X	ERC600X	ERC624X	ERC901X
ERC112X	ERC207X	ERC601X	ERC625X	ERC902X
ERC115X	ERC208X	ERC602X	ERC626X	ERC903X
ERC120X	ERC209X	ERC603X	ERC630X	ERC904X
ERC130X	ERC250X	ERC604X	ERC631X	ERC905X
ERC150X	ERC250XFHP	ERC605X	ERC652X	ERC907X
ERC151X	ERC251X	ERC606X	ERC700X	ERC908X
ERC152X	ERC251XFHP	ERC607X	ERC710X	ERC910X
ERC153X	ERC252X	ERC608X	ERC711X	ERC911X
ERC154X	ERC251XFHP	ERC609X	ERC712X	ERC912X
ERC155X	ERC253X	ERC610X	ERC713X	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(IN)	ERC617X	ERC732XFHP	
ERC182X	ERC410XFL	ERC618X	ERC750X	
ERC183X	ERC411X	ERC618XALT	ERC751X	

SCHEDULE OF DRAWINGS	
DRAWING NO.	DESCRIPTION
CS1	COVER SHEET
CS2	BUILDING NOTES
CS3	APPENDIX B
S1	ELEVATIONS & NOTES
S2	FLOOR PLANS, DETAILS & NOTES
S3	FLOOR PLAN, CROSS SECTION & NOTES
F1	FOUNDATION PLANS & NOTES
F2	FOUNDATION PLAN, DETAILS & NOTES
F2	FOUNDATION DETAILS

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