Harnett COUNTY NORTH CAROLINA

Application # _____

Harnett County Central Permitting
PO Box 65 Lillington, NC 27546
910-893-7525 Fax 910-893-2793 www.harnett.org/permits

* Each section below to be filled out by whomever performing work. Must be owner/occupier or licensed contractor. Address, company name & phone must match information on license.

Application for Residential Building and Trades Permit

Owner's Name: Rufus + Holly Smith Date: _____

Site Address: 54 Paul Clayton Circle Coats NC 27521 Phone: 252-945-3233

Subdivision: Clayton Downs Lot: 10/9

Description of Proposed Work: Build an Approximate 30'x50' Building Total Job Cost: $90,000

General Contractor Information

Burakowski Enterprises LLC — 919-369-9171
Building Contractor's Company Name — Telephone

66 Tims Cir Angier NC 27501 — burakowskienterprises@gmail.com
Address — Email Address

L.87569 — HEATED SQ FT 1200 — GARAGE SQ FT _____
License #

Electrical Contractor Information

Description of Work Install outlets + Lighting Service Size: 100 Amps T-Pole: ___Yes ✓No

JD Johnson Electric Service — 919-210-9269
Electrical Contractor's Company Name — Telephone

8495 Christian Light Rd FV NC 27526 — _____
Address — Email Address

2134 / 100L
License #

Mechanical/HVAC Contractor Information

Description of Work Install mini split

Hooah Heating + Air — 919-586-6147
Mechanical Contractor's Company Name — Telephone

169 Country Folks Ln Hollysprings NC 27540 — _____
Address — Email Address

L33597
License #

Plumbing Contractor Information

Description of Work Intall water and Drains for Bathroom + kitchette # Baths 1

Camden Plumbing — 919-557-1584
Plumbing Contractor's Company Name — Telephone

7229 Oak Village Way F.V. NC 27526 — _____
Address — Email Address

L.18903
License #

Insulation Contractor Information

Allied Spray Foams INC — 919-971-0869
Insulation Contractor's Company Name & Address — Telephone

***NOTE: General Contractor / owner must fill out and sign the second page of this application.**

Harnett COUNTY NORTH CAROLINA

I hereby certify that I have the authority to make necessary application, that the application is correct and that the construction will conform to the regulations in the Building, Electrical, Plumbing and Mechanical codes, and the Harnett County Zoning Ordinance. I state the information on the above contractors is correct as known to me and that **by signing below I have obtained all subcontractors permission to obtain these permits** and if **any** changes occur including listed contractors, site plan, number of bedrooms, building and trade plans, Environmental Health permit changes or proposed use changes, I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes.

EXPIRED PERMIT FEES - 6 Months to 2 years permit re-issue fee is $150.00. After 2 years re-issue fee is as per current fee schedule.

[signature] 10-22-23

Signature of Owner/Contractor/Officer(s) of Corporation — Date

Affidavit for Worker's Compensation N.C.G.S. 87-14

The undersigned applicant being the:

✓ General Contractor _____ Owner _____ Officer/Agent of the Contractor or Owner

Do hereby confirm under penalties of perjury that the person(s), firm(s) or corporation(s) performing the work set forth in the permit:

_____ Has three (3) or more employees and has obtained workers' compensation insurance to cover them.

_____ Has one (1) or more subcontractors(s) and has obtained workers' compensation insurance to cover them.

✓ Has one (1) or more subcontractors(s) who has their own policy of workers' compensation insurance covering themselves.

_____ Has no more than two (2) employees and no subcontractors.

While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker's compensation insurance prior to issuance of the permit and at any time during the permitted work from any person, firm or corporation carrying out the work.

Sign w/Title: [signature] owner Date: 10-22-23

STANDARD CARPORT DETAILS

26 ft to 30 ft SPAN

LIGHT FRAME CONSTRUCTION

NOTE: THESE PLANS MAY BE USED FOR SPANS LESS THAN 26 FEET.

NOTE: USE ◉ 2½" x 2½" 14 Ga.
○ 2½" x 2½" 12 Ga.
STEEL TUBE FOR ALL FRAME AND BASE RAIL MEMBERS UNLESS OTHERWISE SHOWN.

NOTE: THESE PLANS INCLUDE STANDARD DETAILS THAT CAN BE USED FOR A WIDE RANGE OF APPLICATIONS. IF SITE SPECIFIC PLANS ARE REQUIRED, A SEPARATE SET OF PLANS WILL NEED TO BE PREPARED.

CAROLINA CARPORTS INC.
P.O. BOX 1263
DOBSON, NC 27017
TOLL FREE 1-800-670-4262
LOCAL 336-367-6400
FAX 336-367-6410

METAL CARPORT INSTALLATION PLANS AND DETAILS

AND

FRAMING AND FASTENER SPECIFICATIONS

CAROLINA CARPORTS, INC.
187 Cardinal Ridge Trail
DOBSON, NORTH CAROLINA 27017

THE OWNER IS RESPONSIBLE FOR OBTAINING A BUILDING PERMIT, IF NEEDED, AND FOR COMPLYING WITH ALL LOCAL BUILDING CODE REQUIREMENTS.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODES AND THE 2018 NORTH CAROLINA BUILDING CODE.

ISOMETRIC

ISOMETRIC

BUILDING CODE INFORMATION		
OCCUPANCY CATEGORY	I	II
USE GROUP	U or S	
CONSTRUCTION TYPE	2B	
IMPORTANCE FACTORS		
WIND Iw	1.0	
SNOW Is	0.8	1.0
EARTHQUAKE Ie	1.0	

DESIGN LOADS	
MIN. DEAD LOAD	5 PSF
MIN. FLOOR LIVE LOAD	125 PSF
MIN. ROOF LIVE LOAD	20 PSF
MIN. GROUND SNOW LOAD	SEE TABLE 1
MAX. GROUND SNOW LOAD	
MIN. ULTIMATE WIND SPEED	
MAX. ULTIMATE WIND SPEED	
EXPOSURE CATEGORY	
MAX. SEISMIC DESIGN CATEGORY	D2

TABLE 1
BOW/RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS

WIND EXPOSURE CATEGORY	ULTIMATE WIND SPEED (MPH)	NOMINAL WIND SPEED (MPH)	MAXIMUM GROUND SNOW LOAD (PSF)	MAXIMUM POST/RAFTER SPACING (FEET)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)	
					METAL PANELS	SPACING
B or C	105 TO 150	82 TO 117	35	5.0	29 Gauge	8
			40	4.0		
			50	4.0 (12 Ga.)		

NOTES:
1. Specifications applicable to 29 gauge metal panels fastened directly to 12 or 14 gauge steel tube bow frames.
2. Fasteners consist of #12 x ¾" self-drilling screws without control seal washers.
3. Specifications applicable only for mean roof height of 24 feet or less and roof slopes of 7 to 27 degrees (1.5:12 to 6:12 pitch). Spacing requirements for other roof heights and/or slopes may vary.

TABLE 1 (HIGH WIND REGION)
BOW/RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS

WIND EXPOSURE CATEGORY	ULTIMATE WIND SPEED (MPH)	NOMINAL WIND SPEED (MPH)	MAXIMUM GROUND SNOW LOAD (PSF)	MAXIMUM POST/RAFTER SPACING (FEET)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)	
					METAL PANELS	SPACING
B or C	151 TO 170	116 TO 132	20	4.0	26 Gauge	6

NOTES:
1. Specifications applicable to 29 gauge and 26 gauge metal panels fastened directly to 12 or 14 gauge steel tube bow frames.
2. Fasteners consist of #12 x ¾" self-drilling screws without control seal washer.
3. Specifications applicable only for mean roof height of 24 feet or less and roof slopes of 7 to 27 degrees (1.5:12 to 6:12 pitch). Spacing requirements for other roof heights and/or slopes may vary.

GENERAL NOTES:

THESE PLANS PERTAIN ONLY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (MWFRS), COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING, BUT NOT LIMITED TO, PLUMBING, ELECTRICAL, EGRESS/EGRESS, PROPERTY SET-BACKS, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.

THESE STRUCTURES ARE DESIGNED AS UTILITY/STORAGE BUILDINGS CAPABLE OF SUPPORTING THE DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WIND LOADS. IMPROVEMENTS NOT SPECIFICALLY ADDRESSED HEREIN, WHICH EXERT ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. CAROLINA CARPORTS SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGE OR FAILURE DUE TO THE APPLICATION OF ADDITIONAL LOADS.

THE SPACING INDICATED IN THE ABOVE TABLE IS THE MAXIMUM SPACING FOR THE MAIN WIND FORCE RESISTING SYSTEM. A CLOSER SPACING MAY BE NEEDED TO MEET LOCAL BUILDING CODE AND/OR SITE SPECIFIC REQUIREMENTS.

ALL STEEL TUBING SHALL BE 55 KSI STEEL OR BETTER. ALL METAL PANELS SHALL BE 80 KSI STEEL OR BETTER.

FASTEN METAL ROOF AND WALL PANELS TO FRAMING WITH #12" x 1" SELF DRILLING FASTENERS WITH CONTROL SEAL WASHERS AT AN AVERAGE SPACING OF 8" FOR 29 GAUGE PANELS AND 6" FOR 26 GAUGE PANELS.

ALL FIELD CONNECTIONS SHALL BE #12 x 1" SELF DRILLING FASTENERS (SDF) UNLESS NOTED OTHERWISE.

ALL WELDED CONNECTIONS SHALL BE SHOP WELDED UNLESS NOTED OTHERWISE.

GROUND ANCHOR REQUIREMENTS: INSTALL HELICAL ANCHORS ALONG SIDE BASE RAIL WITHIN 8" OF EACH CORNER POST AND AT A MAXIMUM SPACING OF 25' ALONG THE BASE RAIL. INSTALL GROUND ANCHORS (¾4 THREADED REBAR) BETWEEN THE HELICAL ANCHORS WITHIN 8" OF EACH POST ALONG THE BASE RAIL. HELICAL ANCHORS AND GROUND ANCHORS ARE NOT REQUIRED FOR CONCRETE FOOTING AND/OR CONCRETE SLAB CONSTRUCTION.

INSTALL CONCRETE ANCHORS WITHIN 6" OF EACH VERTICAL POST ALONG SIDE AND END BASE RAILS. USE ITW RAMSET/REDHEAD TRUBOLT OR SIMPSON STRONG-TIE STRONG BOLT-2 WEDGE ANCHORS, OR ITW REDHEAD TAPCON+ OR TITEN HD SCREW ANCHORS OR AN APPROVED EQUAL.

POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS AND HEADERS.

GALVANIZATION: METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.

CONCRETE FOUNDATION DESIGN RECOMMENDATIONS:

CONCRETE INFORMATION AND DETAILS SHOWN IN THESE PLANS ARE FOR INFORMATION ONLY. THE CONCRETE SLAB AND FOUNDATION ARE BY OTHERS. THE OWNER IS RESPONSIBLE FOR PROVIDING A SUITABLE FOUNDATION FOR THE PROPOSED STRUCTURE AND COORDINATING CONCRETE STRENGTH AND FOUNDATION DEPTH REQUIREMENTS WITH THE LOCAL BUILDING CODE OFFICIALS.

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS OR AS REQUIRED BY LOCAL BUILDING CODE. THE USE OF HIGHER STRENGTH CONCRETE IS ACCEPTABLE.

COVER OVER REINFORCING STEEL:
MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE 3 INCHES WHERE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 1½" ELSEWHERE.

REINFORCING STEEL:
THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40. THE USE OF FIBER REINFORCED CONCRETE (FRC) OR WELDED WIRE FABRIC (WWF) IS ACCEPTABLE.

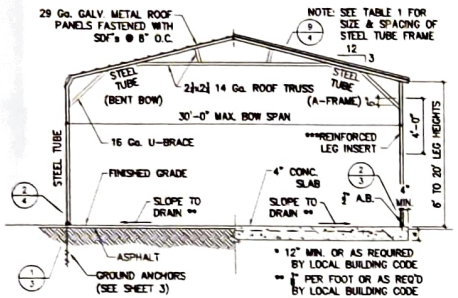
These plans have been provided for the purpose of obtaining a building permit for the construction of the building for:

Name: Keith Burakowski
Address: 54 Paul Clayton Circle
City: Coats State: NC Zip: 27521

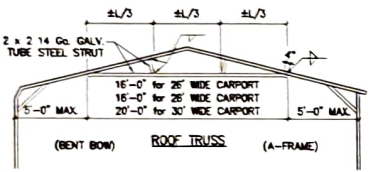
Use of these plans by anyone else or for any other purpose is prohibited.

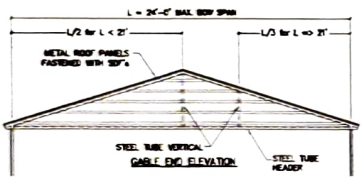
NORTH CAROLINA PROFESSIONAL SEAL 030198 ENGINEER ROBERT L. LUEBBERS

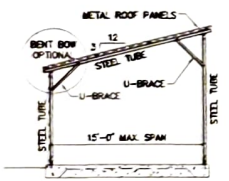
08/13/2023



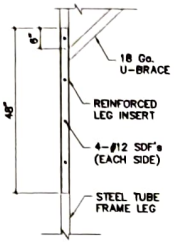
TYPICAL BOW SECTION



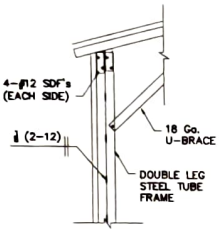




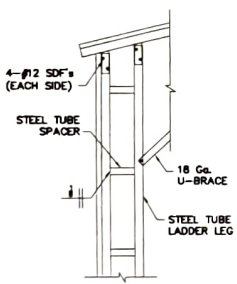
STAND-ALONE LEAN-TO



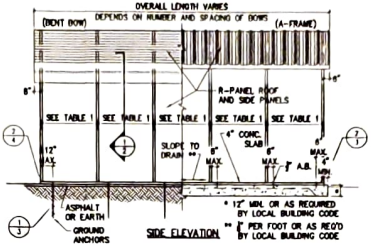
***REINFORCED LEG INSERT
(LEG HEIGHTS 13' to 14')

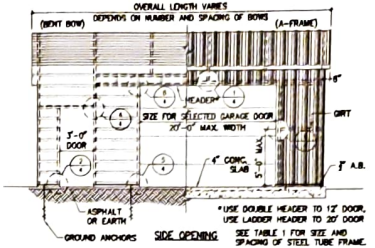


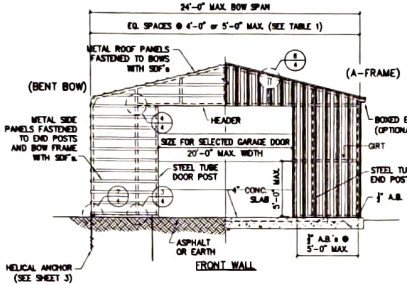
***DOUBLE LEG
(LEG HEIGHTS 15' to 16')

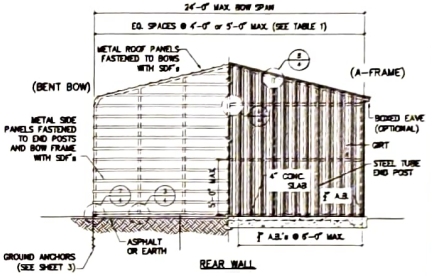


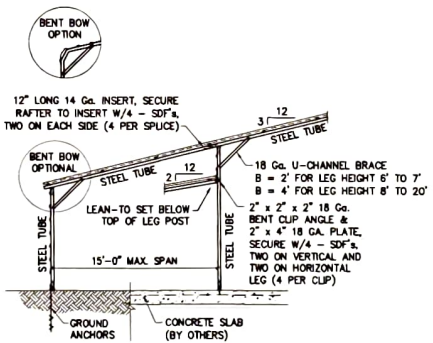
***LADDER LEG
(LEG HEIGHTS 17' to 20')





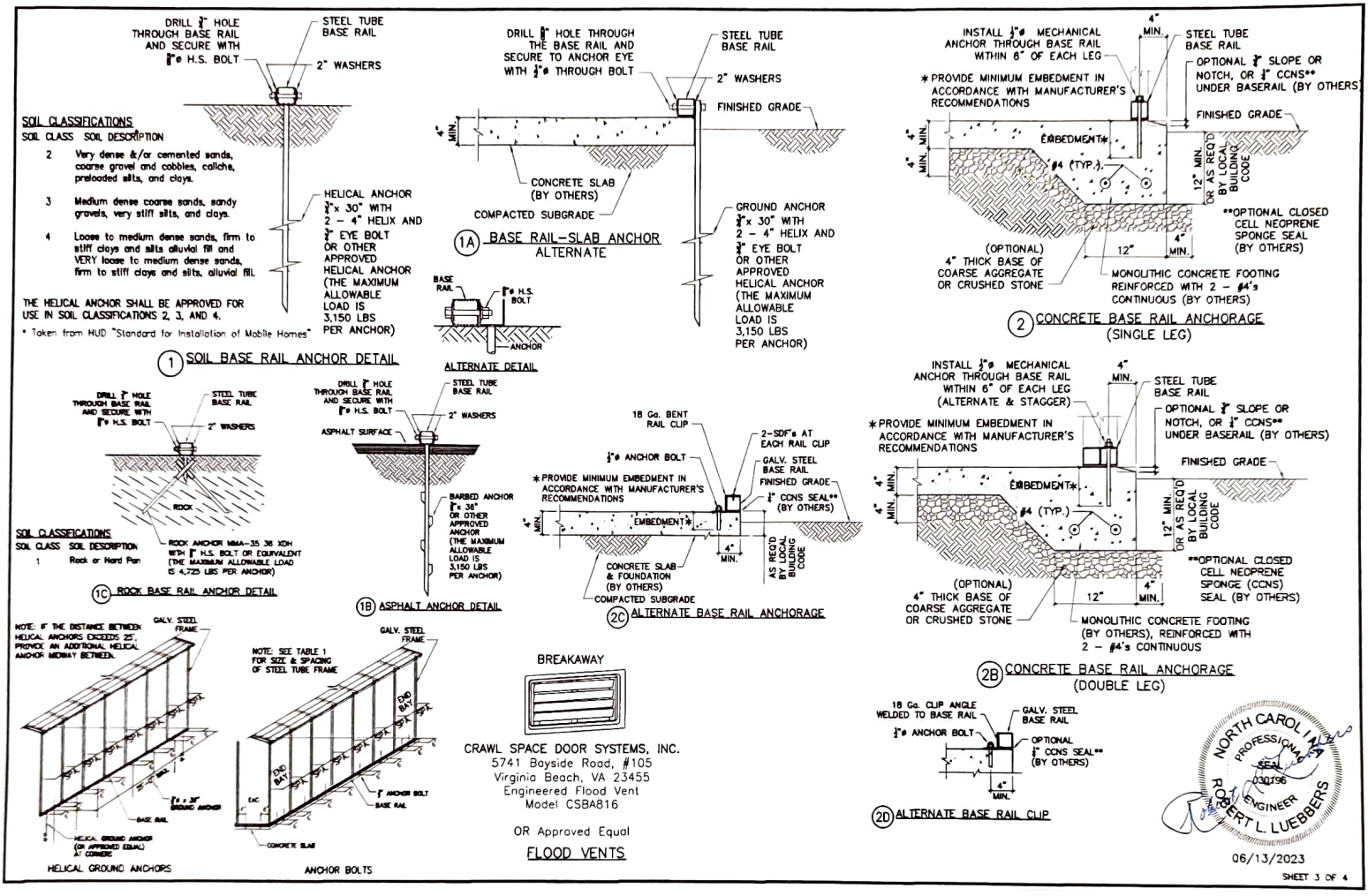


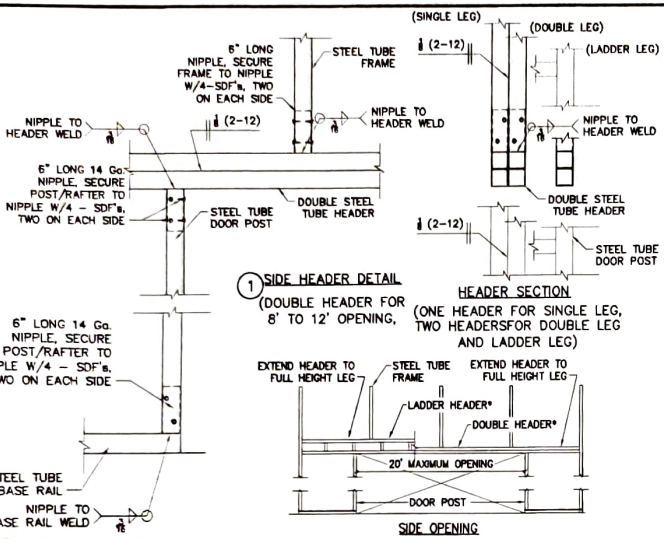




TYPICAL SIDE EXTENSION SECTION

06/13/2023


DRILL ¾" HOLE THROUGH BASE RAIL AND SECURE WITH ¾"ø H.S. BOLT
STEEL TUBE BASE RAIL
2" WASHERS
SOIL CLASSIFICATIONS
SOIL CLASS SOIL DESCRIPTION
2 Very dense &/or cemented sands, coarse gravel and cobbles, caliche, preloaded silts, and clays.
3 Medium dense coarse sands, sandy gravels, very stiff silts, and clays.
4 Loose to medium dense sands, firm to stiff clays and silts alluvial fill and VERY loose to medium dense sands, firm to stiff clays and silts, alluvial fill.
HELICAL ANCHOR ¾"x 30" WITH 2 – 4" HELIX AND ¾" EYE BOLT OR OTHER APPROVED HELICAL ANCHOR (THE MAXIMUM ALLOWABLE LOAD IS 3,150 LBS PER ANCHOR)
THE HELICAL ANCHOR SHALL BE APPROVED FOR USE IN SOIL CLASSIFICATIONS 2, 3, AND 4.
* Taken from HUD "Standard for Installation of Mobile Homes"
1 SOIL BASE RAIL ANCHOR DETAIL
DRILL ¾" HOLE THROUGH THE BASE RAIL AND SECURE TO ANCHOR EYE WITH ¾"ø THROUGH BOLT
STEEL TUBE BASE RAIL
2" WASHERS
FINISHED GRADE
4" MIN.
CONCRETE SLAB (BY OTHERS)
COMPACTED SUBGRADE
GROUND ANCHOR ¾"x 30" WITH 2 – 4" HELIX AND ¾" EYE BOLT OR OTHER APPROVED HELICAL ANCHOR (THE MAXIMUM ALLOWABLE LOAD IS 3,150 LBS PER ANCHOR)
1A BASE RAIL–SLAB ANCHOR ALTERNATE
BASE RAIL
¾"ø H.S. BOLT
ANCHOR
ALTERNATE DETAIL
INSTALL ¾"ø MECHANICAL ANCHOR THROUGH BASE RAIL WITHIN 6" OF EACH LEG
4" MIN.
STEEL TUBE BASE RAIL
OPTIONAL ¾" SLOPE OR NOTCH, OR ½" CCNS** UNDER BASERAIL (BY OTHERS)
* PROVIDE MINIMUM EMBEDMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
FINISHED GRADE
EMBEDMENT*
4" MIN.
#4 (TYP.)
12" MIN. OR AS REQ'D BY LOCAL BUILDING CODE
**OPTIONAL CLOSED CELL NEOPRENE SPONGE SEAL (BY OTHERS)
(OPTIONAL) 4" THICK BASE OF COARSE AGGREGATE OR CRUSHED STONE
12"
4" MIN.
MONOLITHIC CONCRETE FOOTING REINFORCED WITH 2 – #4's CONTINUOUS (BY OTHERS)
2 CONCRETE BASE RAIL ANCHORAGE (SINGLE LEG)
DRILL ¾" HOLE THROUGH BASE RAIL AND SECURE WITH ¾"ø H.S. BOLT
STEEL TUBE BASE RAIL
2" WASHERS
ROCK
SOIL CLASSIFICATIONS
SOIL CLASS SOIL DESCRIPTION
1 Rock or Hard Pan
ROCK ANCHOR MMA–35 3ø XDH WITH ¾" H.S. BOLT OR EQUIVALENT (THE MAXIMUM ALLOWABLE LOAD IS 4,725 LBS PER ANCHOR)
1C ROCK BASE RAIL ANCHOR DETAIL
DRILL ¾" HOLE THROUGH BASE RAIL AND SECURE WITH ¾"ø H.S. BOLT
STEEL TUBE BASE RAIL
2" WASHERS
ASPHALT SURFACE
BARBED ANCHOR ¾"x 36" OR OTHER APPROVED ANCHOR (THE MAXIMUM ALLOWABLE LOAD IS 3,150 LBS PER ANCHOR)
1B ASPHALT ANCHOR DETAIL
18 Ga. BENT RAIL CLIP
2–SDF's AT EACH RAIL CLIP
¾"ø ANCHOR BOLT
GALV. STEEL BASE RAIL
FINISHED GRADE
* PROVIDE MINIMUM EMBEDMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
½" CCNS SEAL** (BY OTHERS)
4" MIN.
EMBEDMENT*
CONCRETE SLAB & FOUNDATION (BY OTHERS)
COMPACTED SUBGRADE
4" MIN.
AS REQ'D BY LOCAL BUILDING CODE
2C ALTERNATE BASE RAIL ANCHORAGE
INSTALL ¾"ø MECHANICAL ANCHOR THROUGH BASE RAIL WITHIN 6" OF EACH LEG (ALTERNATE & STAGGER)
4" MIN.
STEEL TUBE BASE RAIL
OPTIONAL ¾" SLOPE OR NOTCH, OR ½" CCNS** UNDER BASERAIL (BY OTHERS)
* PROVIDE MINIMUM EMBEDMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
FINISHED GRADE
EMBEDMENT*
#4 (TYP.)
12" MIN. OR AS REQ'D BY LOCAL BUILDING CODE
**OPTIONAL CLOSED CELL NEOPRENE SPONGE (CCNS) SEAL (BY OTHERS)
(OPTIONAL) 4" THICK BASE OF COARSE AGGREGATE OR CRUSHED STONE
12"
4" MIN.
MONOLITHIC CONCRETE FOOTING (BY OTHERS), REINFORCED WITH 2 – #4's CONTINUOUS
2B CONCRETE BASE RAIL ANCHORAGE (DOUBLE LEG)
18 Ga. CLIP ANGLE WELDED TO BASE RAIL
GALV. STEEL BASE RAIL
¾"ø ANCHOR BOLT
OPTIONAL ½" CCNS SEAL** (BY OTHERS)
4" MIN.
2D ALTERNATE BASE RAIL CLIP
NOTE: IF THE DISTANCE BETWEEN HELICAL ANCHORS EXCEEDS 25', PROVIDE AN ADDITIONAL HELICAL ANCHOR MIDWAY BETWEEN.
GALV. STEEL FRAME
BASE RAIL
¾"ø x 36" GROUND ANCHOR
HELICAL GROUND ANCHOR (OR APPROVED EQUAL) AT CORNER
HELICAL GROUND ANCHORS
NOTE: SEE TABLE 1 FOR SIZE & SPACING OF STEEL TUBE FRAME
GALV. STEEL FRAME
DVD BAY
EAC
¾" ANCHOR BOLT
BASE RAIL
CONCRETE SLAB
ANCHOR BOLTS
BREAKAWAY
CRAWL SPACE DOOR SYSTEMS, INC.
5741 Bayside Road, #105
Virginia Beach, VA 23455
Engineered Flood Vent
Model CSBA816
OR Approved Equal
FLOOD VENTS
NORTH CAROLINA PROFESSIONAL SEAL 030196 ENGINEER ROBERT L. LUEBBERS
06/13/2023



1 SIDE HEADER DETAIL
(DOUBLE HEADER FOR 8' TO 12' OPENING,

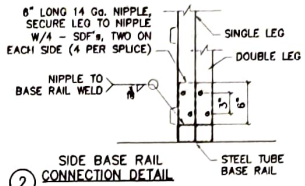
HEADER SECTION
(ONE HEADER FOR SINGLE LEG, TWO HEADERSFOR DOUBLE LEG AND LADDER LEG)

SIDE OPENING

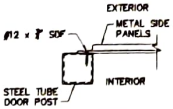
5 POST/BASE RAIL DETAIL

* USE DOUBLE HEADER TO 12' DOOR, USE LADDER HEADER TO 20' DOOR

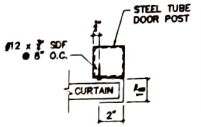
** USE SINGLE DOOR POST TO 12' DOOR, USE DOUBLE DOOR POST TO 20' DOOR.



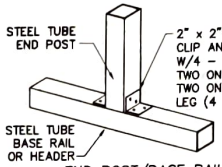
2 SIDE BASE RAIL CONNECTION DETAIL



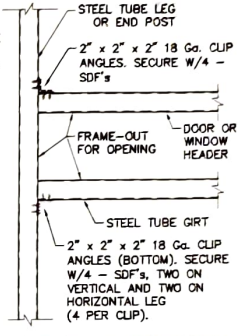
SECTION THROUGH DOOR POST



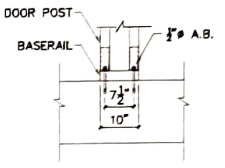
SECTION THROUGH ROLL-UP DOOR POST



3 END POST/BASE RAIL CONNECTION DETAIL

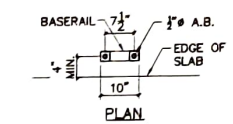


4 ENDWALL TO HEADER AND GIRT TO POST CONNECTION

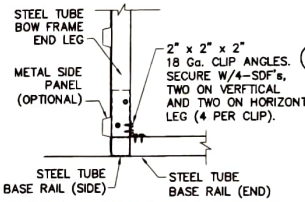


MINIMUM DISTANCE BETWEEN DOORWAYS

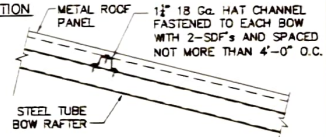
(12" MINIMUM IS PREFERRED, 10" MINIMUM IS ACCEPTABLE.)



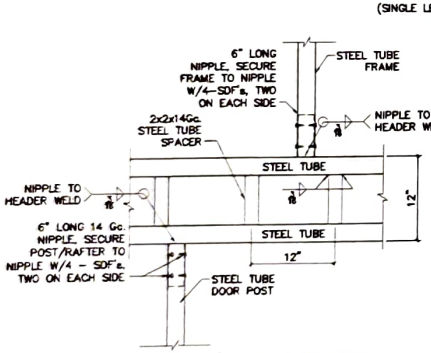
PLAN



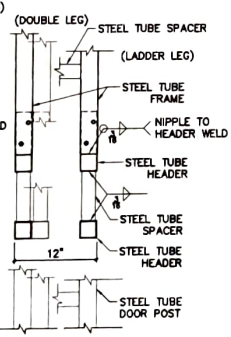
7 END BOW/BASE RAIL CONNECTION



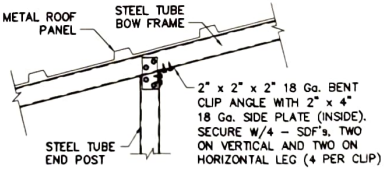
9 VERTICAL PANEL ATTACHMENT



6 SIDE HEADER DETAIL
(LADDER STYLE FOR 13' TO 20' OPENING)



HEADER SECTION
(ONE HEADER FOR SINGLE LEG, TWO HEADERS FOR DOUBLE LEG AND LADDER LEG)



8 END POST TO BOW FRAME CONNECTION

06/13/2023