

Nor'Easter 30' Greenhouse Assembly Instruction Manual

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Materials Included

Refer to the separate “pick” list for details on part numbers and quantities.

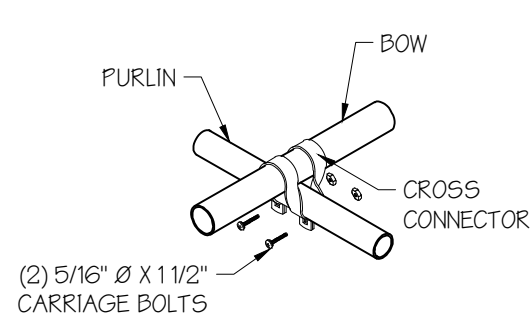
Additional Tools Recommended

- Cordless drill or impact driver
- 8' step ladders
- Utility knife
- Clamps
- 4' level
- 100' or longer tape measure
- Deep socket set with an adaptor for your drill
- Sledgehammer
- Sharpie markers
- Circular saw with wood blade if wood framed ends
- Jigsaw or reciprocating saw with metal blade for polycarbonate or steel framing
- Extension cords

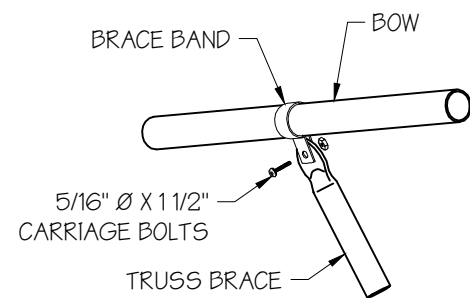
RGS provides a care kit with a ground post driver, a 5/16" magnetic driver for TEK screws and wood-mate screws, a line level, a 3/8" drill bit and mason line.

Always refer to your pick lists for parts to be used in each step of the construction process.

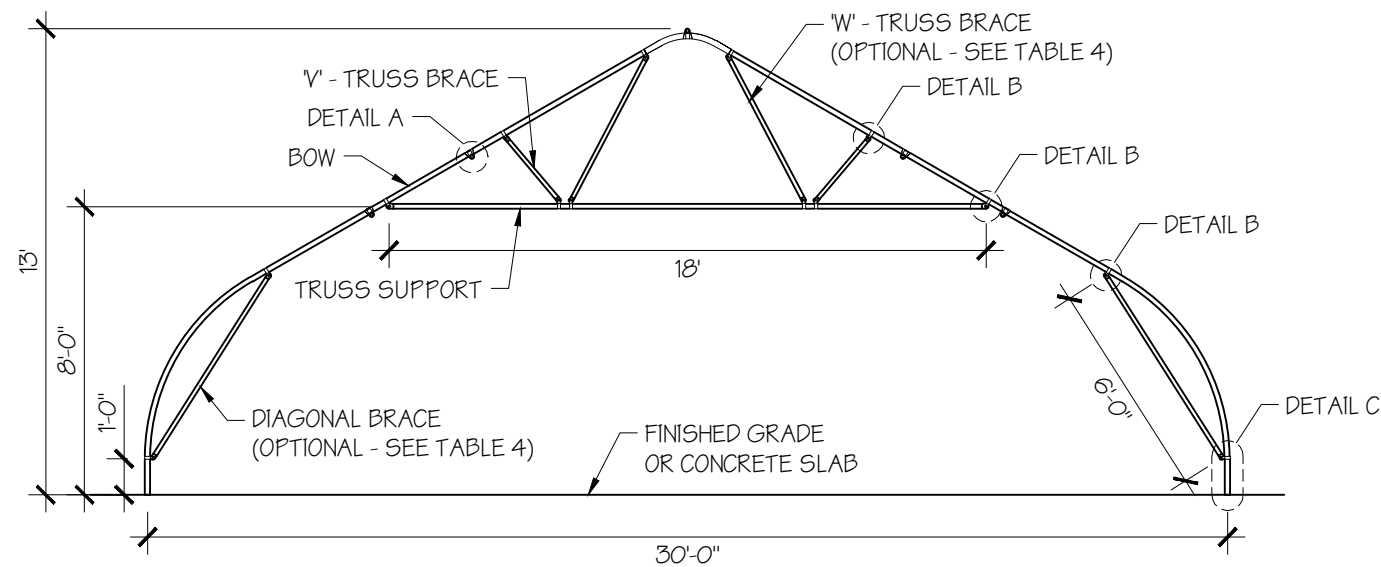
READ THROUGH EACH SECTION OF THE MANUAL FIRST BEFORE YOU ENGAGE IN THE ASSEMBLY PROCESS. THIS WILL HELP YOU FULLY UNDERSTAND THE CONSTRUCTION PROCESS.



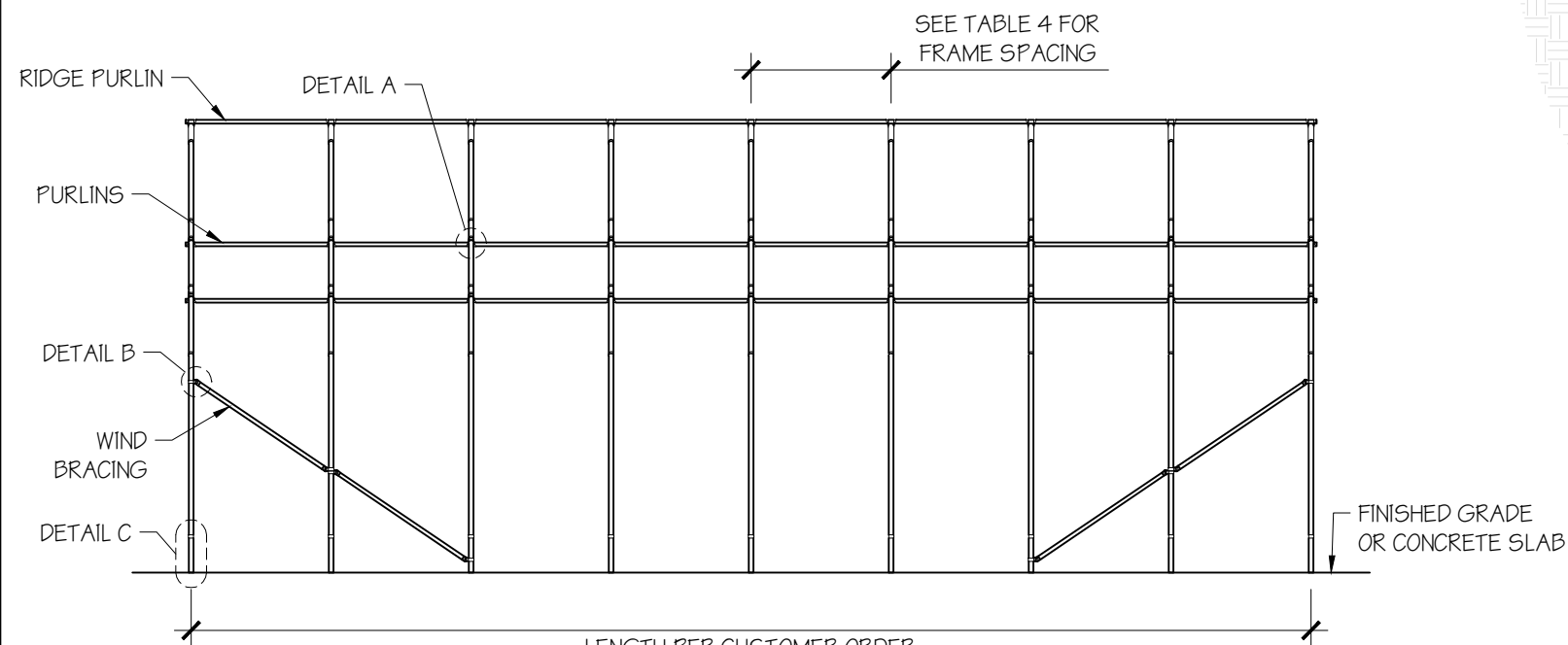
DETAIL - A
SCALE: 1" = 1'



DETAIL - B
SCALE: 1" = 1'



TYP. FRAME SECTION
SCALE: 3/16" = 1'



LENGTH PER CUSTOMER ORDER
SIDE ELEVATION
SCALE: 3/16" = 1'

TABLE 1: MEMBER PROPERTIES¹

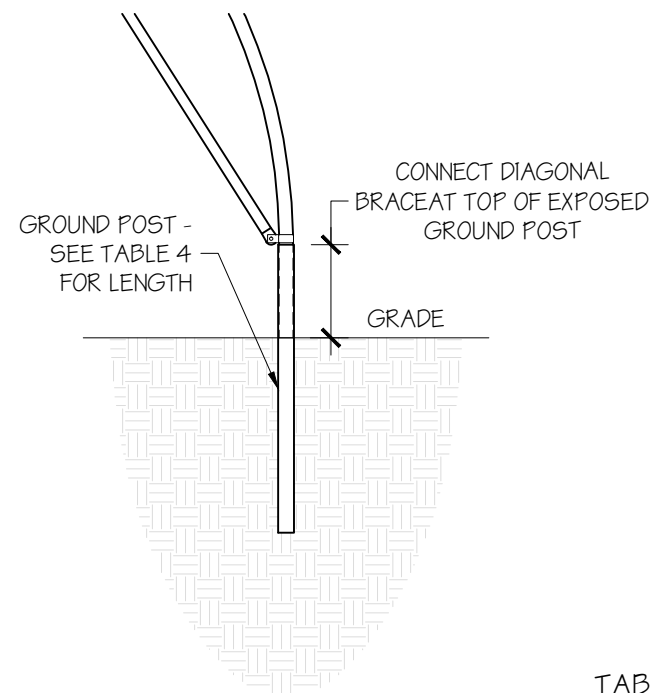
NO.	LABEL	PROPERTY
1	BOWS	1.9" Ø X 13GA TUBE
2	TRUSS SUPPORT	1.315" Ø X 17GA
3	WEB BRACES	1.315" Ø X 17GA
4	PURLINS	1.315" Ø X 17GA TUBE / 1.5" SQ. x 15GA TUBE
5	DIAGONAL BRACES	1.315" Ø X 17GA
6	GROUND POST	1.9" Ø X 13GA TUBE

TABLE 2: GROUND POST OPTIONS

DESCRIPTION	TOTAL LENGTH	BELOW GRADE
STANDARD	36"	24"
12" EXTENDED	48"	24"
18" EXTENDED	60"	30"
24" EXTENDED	72"	36"
36" EXTENDED	84"	36"
48" EXTENDED	108"	48"

TABLE 3: TRUSS STYLES

V-TRUSS	
W-TRUSS	
V-TRUSS+D	
W-TRUSS+D	



DETAIL - C
SCALE: 1/2" = 1'

TABLE 4: DESIGN PARAMETERS

TRUSS-STYLE ²	
GROUND POST ³	
FRAME SPACING (FT)	

TABLE 5: LOAD RATINGS

GROUND SNOW LOAD (PSF)	
WIND SPEED (MPH)	

NOTES:

1. MIN. STEEL STRENGTH IS $F_y=50\text{KSI}$.
2. TRUSS STYLE OPTIONS ARE LISTED IN TABLE 3
3. GROUND POST OPTIONS ARE LISTED IN TABLE 2

MANUFACTURED BY:



Greenhouse Systems

40 Londonderry Turnpike,
Hooksett, NH 03106

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www.rimolgreenhouses.com

LEGAL INFORMATION

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CUSTOMER INFORMATION

NAME: _____

ADDRESS: _____

BUILDING INFORMATION

WIDTH: 30' LENGTH: _____ HEIGHT: _____

ADDRESS: _____

DRAWING INFORMATION

PROJECT NO: _____

SHEET TITLE: _____

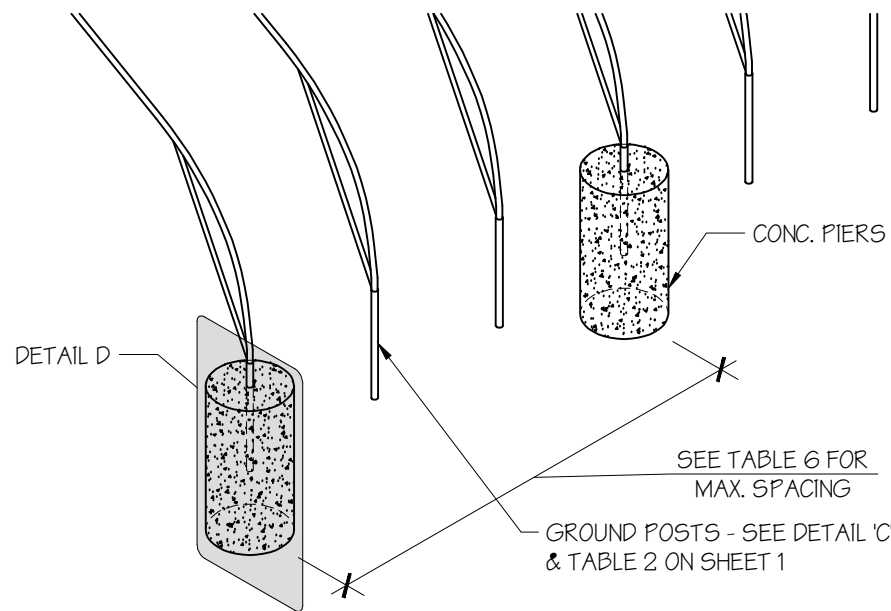
GENERIC DRAWING FOR 30'WIDE

FREESTANDING GREENHOUSE

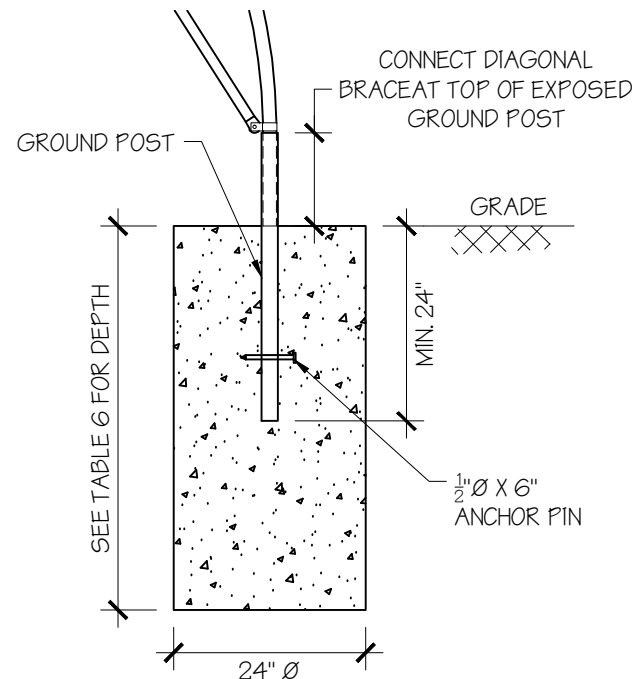
DRAWN BY: LAK DATE: 04/18/2014

CHECKED BY: IZM DATE: 04/18/2014

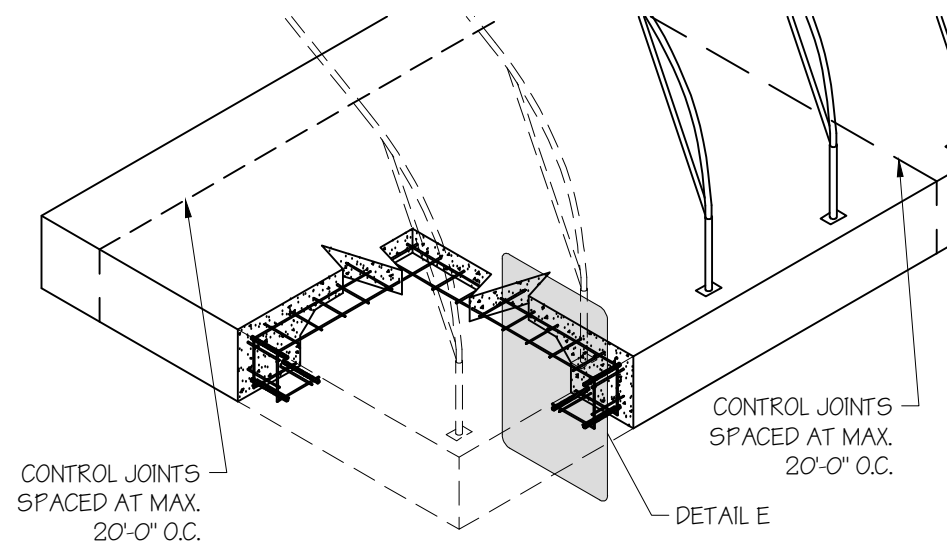
SHEET NO.: 1 / 1



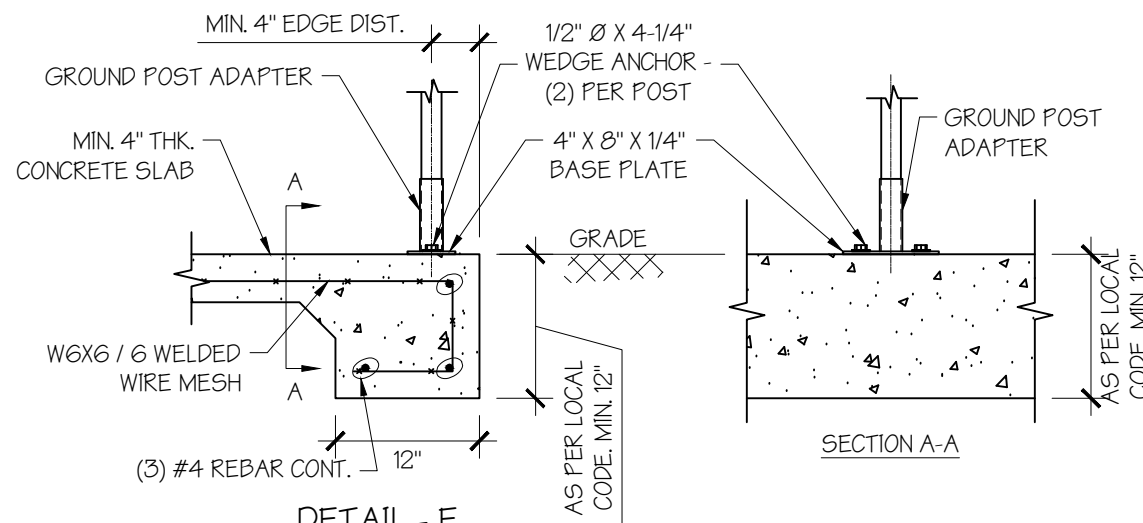
OPTION 1: CONCRETE PIERS
SCALE: 3/16" = 1'



DETAIL - D
SCALE: 1/2" = 1'



OPTION 2: CONCRETE SLAB
SCALE: 3/16" = 1'



DETAIL - E
SCALE: 3/4" = 1'

TABLE 6: CONCRETE PIER SPACING SCHEDULE

DESIGN WIND SPEED (MPH)	SPACING (FT)				
	PIER DEPTH				
	48"	42"	36"	30"	24"
90	12	10	8	6	6
100 TO 110	10	8	6	6	4
120	8	6	6	4	4
130 TO 140	6	4	4	---	---
150	4	---	---	---	---

FOUNDATION NOTES:

- EITHER ONE OF THE FOUNDATIONS SHOWN MAY BE USED.
- ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF.
- CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.
- FOR OPTION 1:
 - PIERS SHALL BE FORMED BY DIGGING A HOLE OF THE SAME SIZE AS THE PIER ON LEVEL GRADE AND FILLING WITH CONCRETE.
 - GROUND POSTS SHOULD BE DROPPED INTO THE PIERS PRIOR TO POURING THE CONCRETE.
 - ALL POSTS NOT SUPPORTED ON CONCRETE PIERS SHALL BE DRIVEN AT INTO THE GROUND THE DEPTH AS SHOWN ON TABLE 2 (SEE DETAIL C ON SHEET 1.)
- FOR OPTION 2:
 - THE MIN. SLAB SIZE SHALL BE EQUAL TO THE OUTSIDE DIMENSIONS OF THE BUILDING PLUS 4" IN EACH DIRECTION.
 - DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
 - CONTROL JOINTS SHALL BE SPACED NO MORE 20' IN EACH DIRECTION.

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NAME: _____

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BUILDING INFORMATION

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DRAWING INFORMATION

PROJECT NO: _____

SHEET TITLE: _____

FOUNDATION OPTIONS FOR 30'

WIDE FREESTANDING GREENHOUSE

DRAWN BY: LAK DATE: 04/18/2014

CHECKED BY: IZM DATE: 04/18/2014

SHEET NO.: 1-A