

# 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.

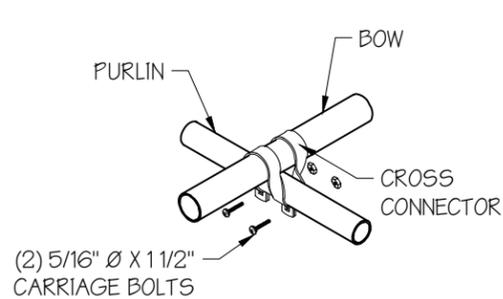
### Additional Tools Recommended

- 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

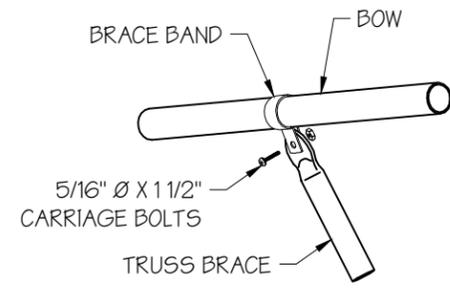
*RGS provides a care kit with a ground post driver, a 5/16” magnetic driver for TEK screws and wood-mate screws, a line level, a 3/8” drill bit and mason line.*

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

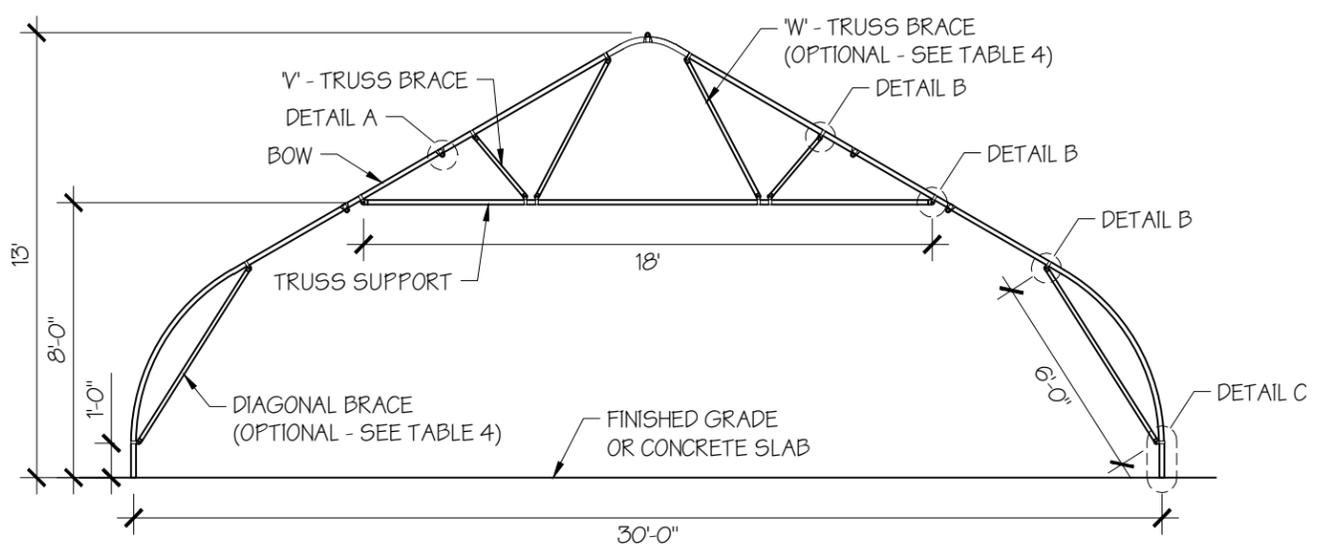
***READ THROUGH EACH SECTION OF THE MANUAL FIRST BEFORE YOU ENGAGE IN THE ASSEMBLY PROCESS. THIS WILL HELP YOU FULLY UNDERSTAND THE CONSTRUCTION PROCESS.***



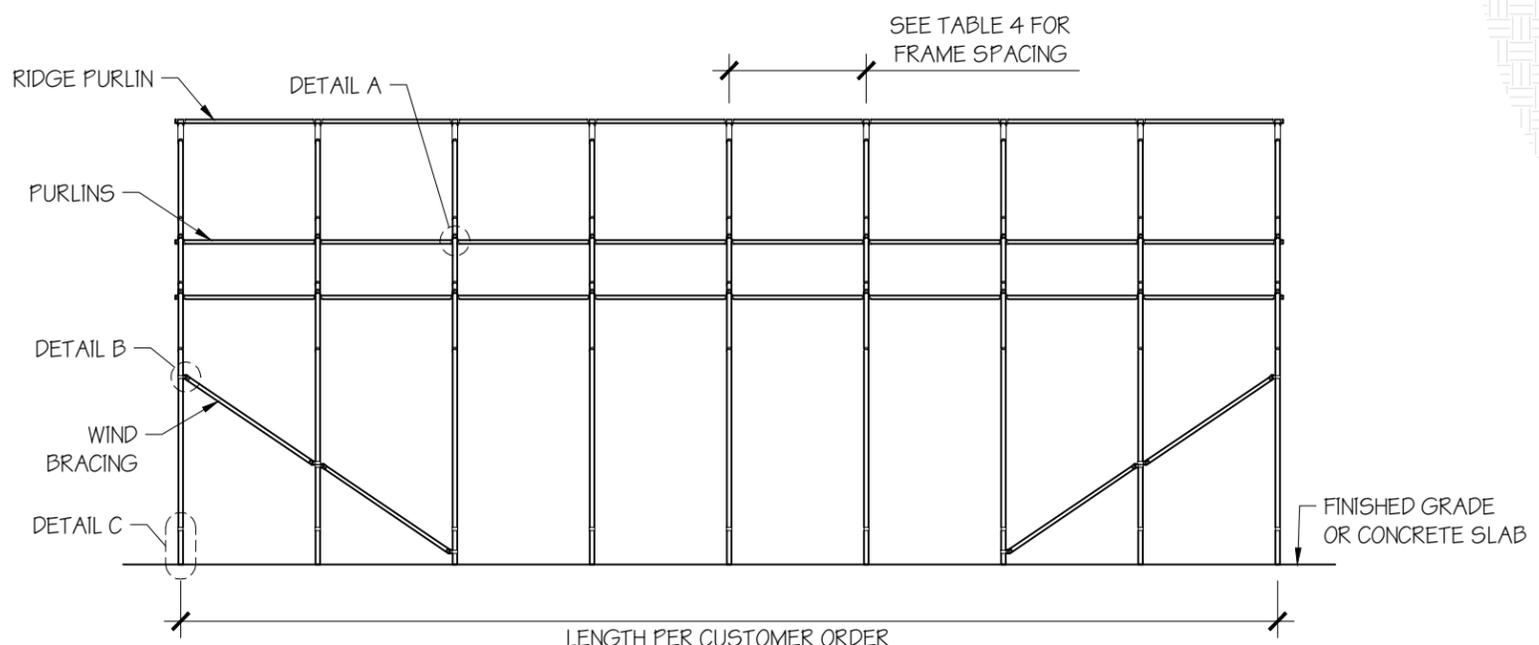
**DETAIL - A**  
SCALE: 1": 1'



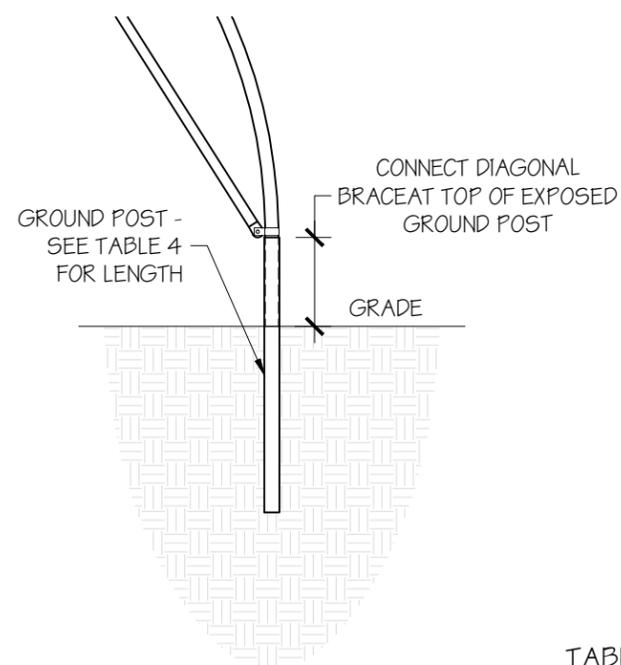
**DETAIL - B**  
SCALE: 1": 1'



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



**SIDE ELEVATION**  
SCALE: 3/16": 1'



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

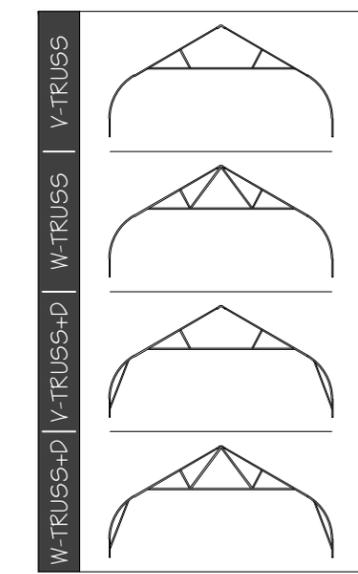
**TABLE 1: MEMBER PROPERTIES<sup>1</sup>**

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**



**TABLE 4: DESIGN PARAMETERS**

TRUSS-STYLE <sup>2</sup>	
GROUND POST <sup>3</sup>	
FRAME SPACING (FT)	

**TABLE 5: LOAD RATINGS**

GROUND SNOW LOAD (PSF)	
WIND SPEED (MPH)	

**NOTES:**

1. MIN. STEEL STRENGTH IS  $F_y=50$ 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,  
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**LEGAL INFORMATION**

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**CUSTOMER INFORMATION**

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

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**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

MANUFACTURED BY:



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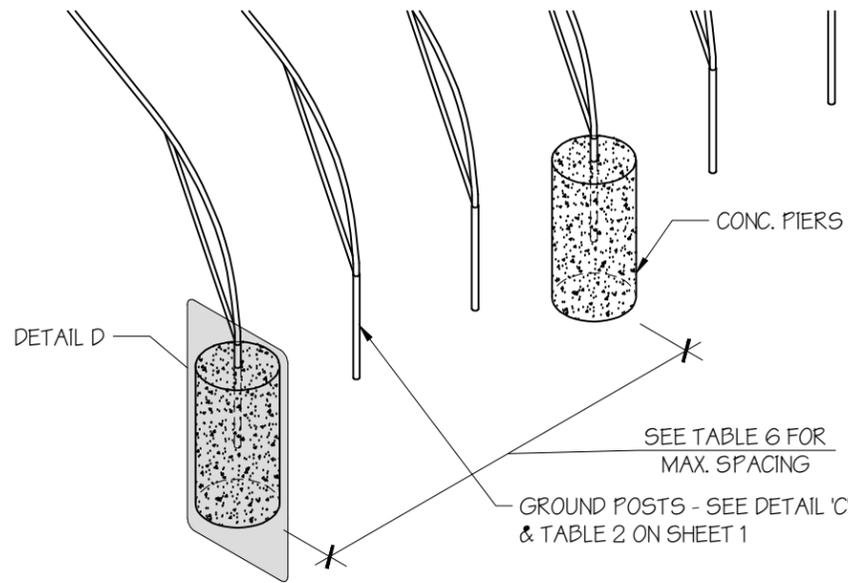
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TABLE 6: CONCRETE PIER SPACING SCHEDULE

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	---	---	---	---

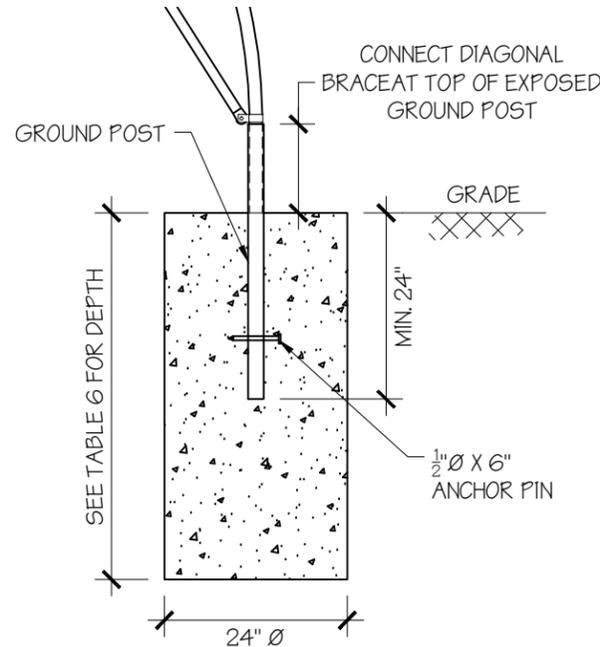
**FOUNDATION NOTES:**

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



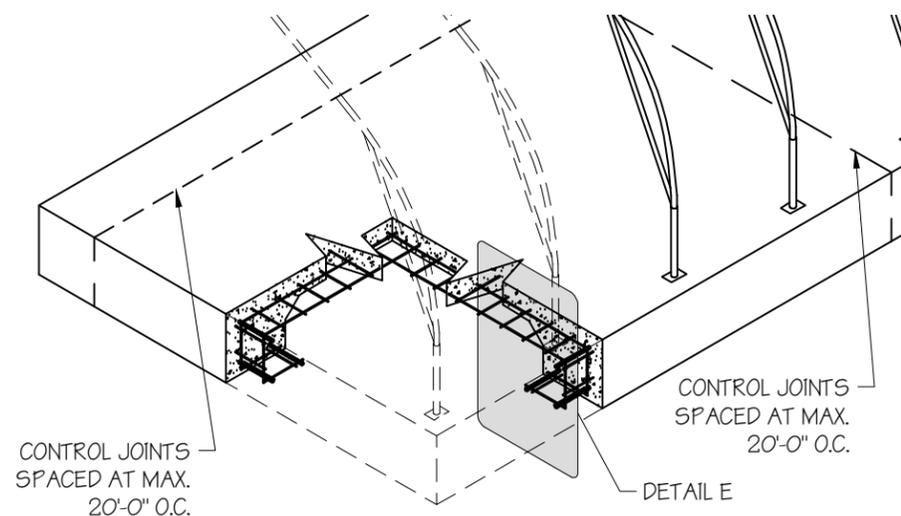
**OPTION 1: CONCRETE PIERS**

SCALE: 3/16": 1'



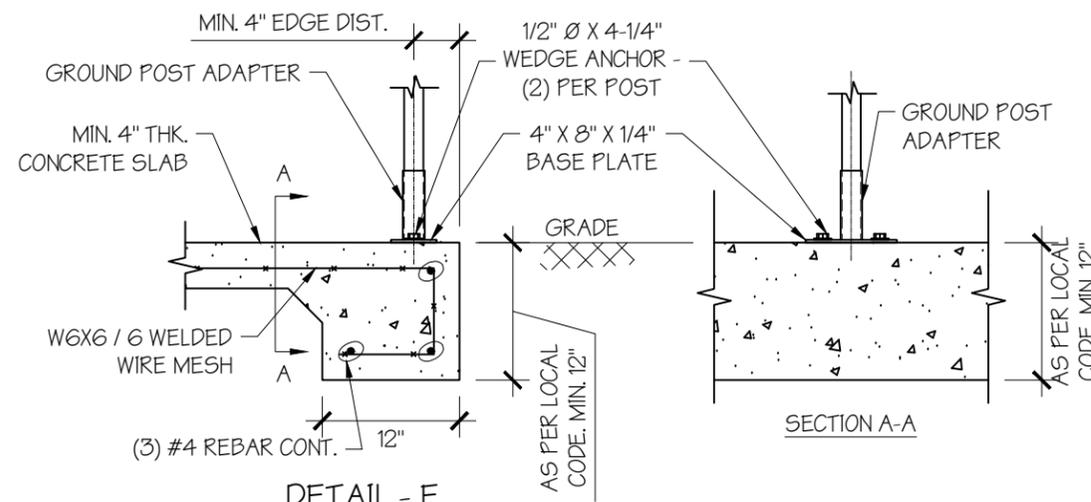
**DETAIL - D**

SCALE: 1/2": 1'



**OPTION 2: CONCRETE SLAB**

SCALE: 3/16": 1'



**DETAIL - E**

SCALE: 3/4": 1'

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**BUILDING INFORMATION**

WIDTH: 30' LENGTH: \_\_\_\_\_ HEIGHT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

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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