TE-24200 STAGE

Description: This is a Stage, designed so that teams can practice endgame related tasks.

FILES INCLUDED

In this compressed folder, you will find all of the drawings, CAD Files and STEP Files for this design.

Drawings: For your convenience, all drawing files have been exported to PDF Format. Each major field assembly will have both assembly drawings and component drawings.

CAD Files: All SOLIDWORKS files required to build or modify the assembly.

STEP files: STEP files of the assembly are included for the convenience of non-SOLIDWORKS users.

SHOPPING LIST

Plywood and Lumber (Example Cut List is at end of Readme):

- 2” x 4” x 8’ Lumber – 3 Pieces
- 4” x 4” x 10’ Lumber - 3 Pieces
- 4’ x 4’ x 1/8” Thick Hardboard – 1 Sheet
- 4’ x 8’ x 1/2” Thick Plywood – 2 Sheets
- 1.5” Diameter Wood Dowel – 12” Piece

Hardware/Other:

- #8 Wood Screws x 2.5” long – 10 Pieces
- #8 Wood Screws x 1.5” long – Approximately 60 Pieces
- #8 Wood Screws x ¾” long – Approximately 8 Pieces
- 3/8” x 4-1/2” Lag Thread Eye Bolt (Home Depot #319949429 or Lowes #1572529) – 2 Pieces
- Galvanized Post Cap for 4x4 Nominal Lumber (Home Depot #206059722 or Lowes #1944519) – 4 Pieces
- 2”x3” 12 Gauge Galvanized Medium L Angle (Home Depot #308149435 or Lowes #1944288) – 6 Pieces
- Carabiner (McMaster 3216T41 or similar) – 2 Pieces
- Stage Chain (Grade 43 Zinc Plated Chain, 1/4" Trade Size) – Approximately 108”
- 1-1/4” Schedule 40 Black Iron Pipe – 2x 8” Pieces
- Piano Hinge – 14” Piece (see TE-24216 for details)
- ¼-20 x 1” Flat Head Bolts – 8 Pieces
- ¼-20 x 2” Bolt - 4 Pieces
- ¼” Washers – 4 Pieces
- ¼-20 Nylock Nuts – 4 Pieces

Notes about materials:

- Plywood and Hardboard Sheets – quality of plywood is up to the user. Plywood of lower qualities may contain voids and may warp more than high quality plywood. All dimensions listed are “nominal”. For example, ½” plywood is typically 15/32”.
- Lumber - quality of lumber is up to the user. Please keep in mind that lumber of lower qualities may warp more than high quality lumber. All dimensions below are the “mill cut” dimensions. For example, 2” x 4” lumber is really 1½” x 3½”.

Example Cut List (All units are Inches):

2x4 Lumber:

Commented [DF1]: Missing 2X TE-24208 (41.5" 2x4 cut)

4x4 Lumber:

1/8” Hardboard:

1/2” Plywood:

Commented [DF2]: There should be 4X TE-24207. Two should nest together to be cut from one piece of 15-1/8 x 96

Commented [DF3R2]: Also, going to add two strips of 1/2" plywood to limit the movement of the flap.

The strips will be 4" x 47 and 4" x 44".