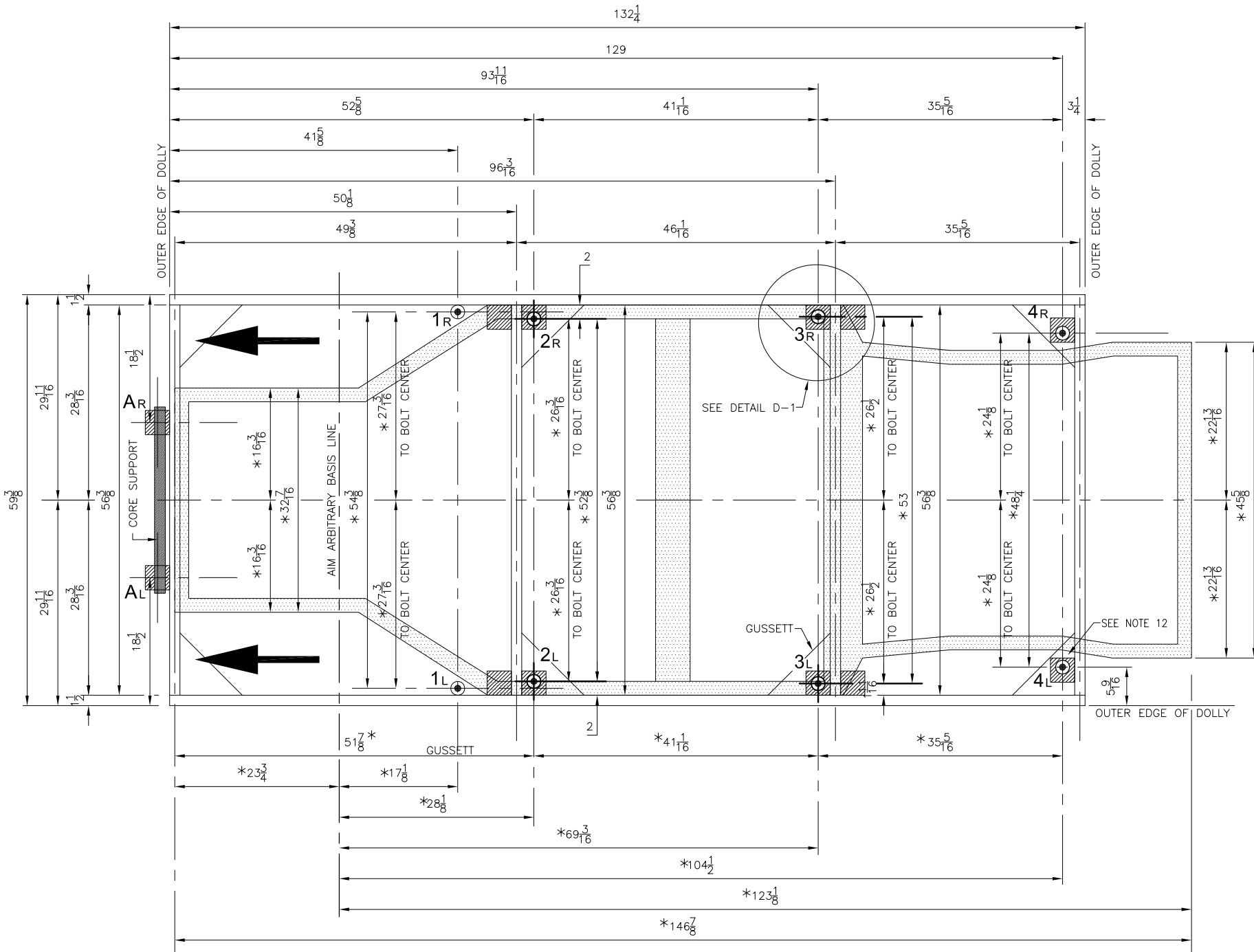
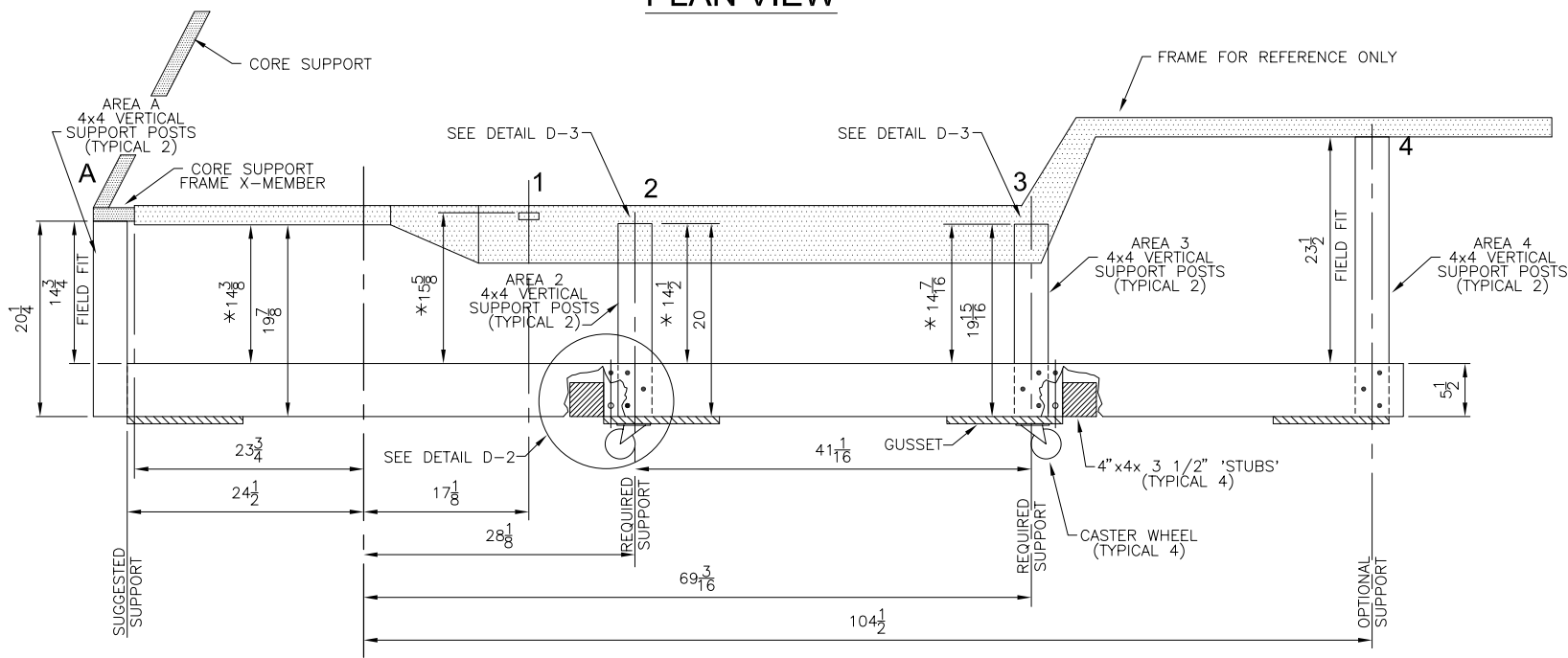


# C-3 CORVETTE BODY DOLLY (Based on 1969 Coupe)



**PLAN VIEW**



**ELEVATION VIEW**

**NOTES:**

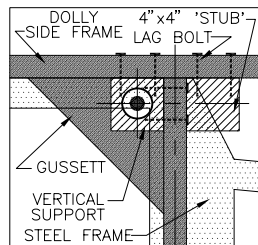
1. The outline of the frame is for reference only and is drawn to scale in dimensioned areas only
2. Accurate layout and assembly in Areas 2 and 3 of dolly is critical to achieve proper support in Areas 2 & 3. Support in Area A is strongly recommended. Support in Area 4 is optional, but recommended and support in Area 1 is not required.
3. The top face of the 2 vertical 4x4's in Area A will support the core support. These 2 supports are strongly suggested. These 2 supports should be cut and installed after the Corvette body is on the Dolly. See note 14.
4. Support Area 4 (optional) by measuring the vertical rise required & field fit support in both L&R locations. These 2 rear supports should also be cut and installed after the Corvette body is on the Dolly. See note 14.
5. Note that the 'Body to Frame' Holes 2, 3 & 4 are 'close' to the center of 4x4 posts, but not in center of 4x4 posts.
6. Gussetts are 3/4" Plywood and are screwed from the underside of the Dolly structure. Gussetts are min. 20" diagonal.
7. The tops of the 4x4's for Areas 2 & 3 need chamfered to fit up into the body side channels as the face of the 4x4 is too large. This is applicable to both the inboard and outboard edges of the 4x4 face. It provides clearance for the 4x4 to nest into the mounting areas. Each Mounting Area may vary in adjustment on chamfers. Also, each mounting area may be shimmed vertically if desired by using large washers as shims.
8. Use a minimum of 4 caster wheels. One on each of the center 4 supports (2L,2R,3L,3R). Add additional if preferred.
9. Caster mounting face plates have 4 bolt holes. Position face plate to obtain strongest areas to mount at least 3 of the 4 mtg. holes. Add add'l wood supports ('Stubs') if required to gain more mounting surface for the 4th bolt hole of caster.
10. The 4x4's for Areas 2L,2R, 3L, 3R are installed 'flush' into each corner of the dolly frame to gain maximum support upon installation. These 4 supports should be re-measured after installation to ensure proper height. Note the placement of the Lag Screws/Bolts into the face of the 4x4 is not quite centered. Drill and place Lag Screw/Bolt after these 4 vertical supports are installed, properly measured for height. Dimensions/layout of these posts should be as accurate as possible.
11. It is strongly suggested you verify all dimensions and structural design/integrity and suitability for your application. This sketch is a draft and you assume all risk and liability for your application.
12. If one of the vertical posts does not quite fit into the body mount hole, use a ratcheting style tie-down strap to 'pull' the post in a particular direction. This mainly applies to the center 4 vertical posts.
13. Space Lag Screws as desired. My installation used 3 or 4 lag screws (staggered) in most intersecting areas. The areas around the casters and 'stub' supports may require some thought for lag screw placement to ensure sturdiness.
14. Once body is on Dolly, use 4 Wing Nuts/Washers to tie the body to the Dolly in Areas 2L,2R,3L,3R. My installation did not use any Lag Screws in Areas AL, AR, 4L or 4R. Field fit the vertical posts in Area 4L & 4R. Last task, field fit the vertical posts in Areas AL & AR under the bottom edge of the core support while lifting the front end to relieve any stress and to maintain proper front clip alignment.
15. By leaving the core support in the Body while lifting the Body, stress on the front clip is greatly reduced. A ratcheting style tie-strap from the bottom of the core support to the T-Top T-Bar can be used.
16. Any suggestions, updates or corrections are appreciated.

**LEGEND:**

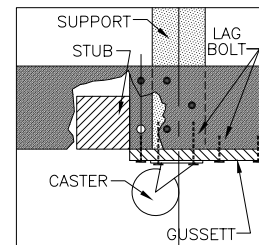
- 4 x 4 Post
- 4 x 4 Post with Stud for Body Bolt

**MATERIALS:**

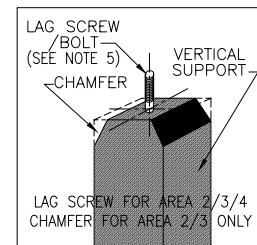
- DOLLY FRAME:**
- 4 2" x 6" x 12' Treated - Cut as necessary
  - 100 Lag Screws, 3/8" Ø, 4" Lg., Galvanized
  - 100 Washers, 5/8" Ø ID, 1" Ø OD, Galvanized
- GUSSETTS:**
- 1 3/4" Plywood, 1/2" Sheet 48" x 48" - Cut to Min. 20" (Diagonal) Gussetts
  - 75 Lag Screws, 3/8" Ø, 2" Lg., Galvanized
  - 75 Washers, 3/8" Ø ID, 3/4" Ø OD, Galvanized
- WHEELS:**
- 4 Poly Swivel Caster Wheels (5 1/2" Ø plastic wheels)
  - 16 Lag Screws, 3/8" Ø, 3" Lg., Galvanized
  - 16 Washers, 3/8" Ø ID, 3/4" Ø OD, Galvanized
- LAG STUDS:**
- 6 Lag Screw/Bolt Studs 3/8" Ø OD, 4" Lg., Galvanized (Wood thread x Machine thread)
  - 6 Washers, 3/8" Ø OD, 1" Ø OD, Galvanized
  - 6 Hex Head Nuts 3/8" ID (Preferably Wing Nuts)
- VERT. SUPPORTS:**
- 2 4" x 4" x 10' Treated - Cut as necessary



**DETAIL D-1  
GUSSETT/SUPPORT AREA**



**DETAIL D-2  
STUB/CASTER AREA**



**DETAIL D-3  
VERT. SUPPORT CHAMFER**

**WARNING!!!**  
It is the responsibility of the user to review and confirm the worthiness and suitability of this body dolly design to their individual application. User assumes all risks and liabilities.

**NOTE:**  
If someone is interested in creating a complete list of tasks in sequential order to enable removal and re-assembly of body, I will add to this drawing. Just PM me.