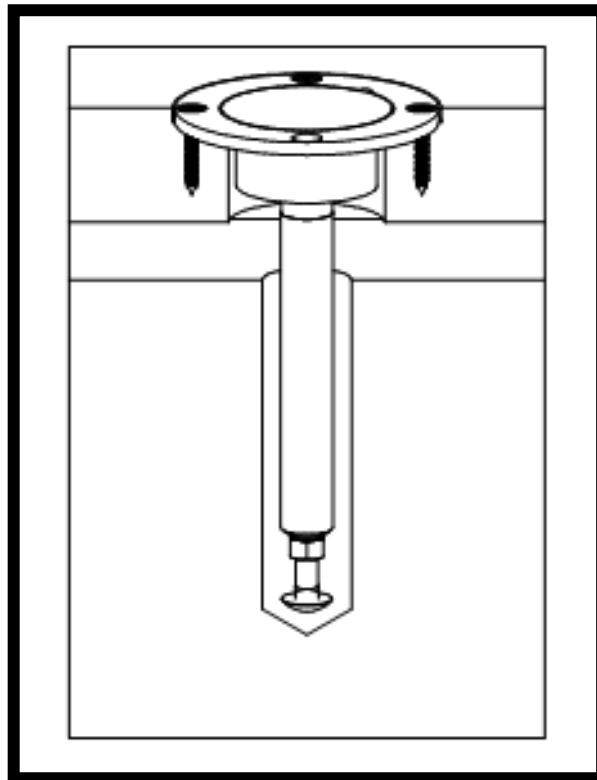


**GARED**  
[www.garedsports.com](http://www.garedsports.com)

Gared Holdings, LLC  
9200 East 146<sup>th</sup> Street, Suite A  
Noblesville, Indiana 46060  
800-325-2682

## ASSEMBLY & INSTALLATION INSTRUCTIONS



### STYLE "E" FLOOR PLATE

MODEL NUMBER

151651463

Gared Holdings, LLC

9200 East 146<sup>th</sup> Street, Suite A

Noblesville, Indiana 46060

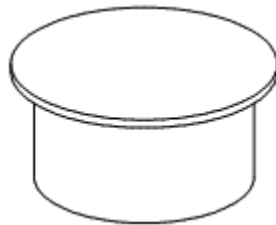
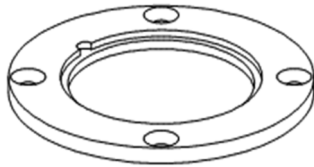
800-325-2682

**MODEL NUMBER**

**151651463**

**ASSEMBLY PARTS LIST**

KEY	DESCRIPTION	QTY
1	¼ X 1-1/2" TAP SCREW	4
2	½-13 X ¾ CAP SCREW	1
3	"B" PLATE ASSEMBLY	1
4	ANCHOR CEMENT BAG	1



**BEFORE YOU BEGIN INSTALLATION**

1. YOUR "E" PLATE COMES IN ONE PACKAGE. MAKE SURE YOU HAVE RECEIVED ALL THE PARTS LISTED ABOVE.
2. YOU WILL NEED THE FOLLOWING TOOLS AVAILABLE DURING INSTALLATION:  
HAMMER DRILL  
REGULAR DRILL  
HACK SAW (IF ANCHOR BODY NEEDS TO BE TRIMMED)  
1-1/2" MASONRY BIT  
5/32" WOOD DRILL BIT  
2-5/8" DIAMETER HOLE SAW  
ROUTER  
SCREWDRIVER WITH WIDE BLADE  
MIXING CONTAINER AND WATER  
SMALL VACUUM CLEANER, TIRE PUMP, OR BATTERY FILLER  
STIFF CIRCULAR BRUSH  
PUTTY KNIFE  
ABSORBENT RAG
3. READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. CALL GARED WITH ANY QUESTIONS REGARDING PROPER INSTALLATION

Prop 65 Warning for California Customers

**⚠ WARNING:** This product can expose you to crystalline silica, which is known to the State of California to cause cancer and Portland cement, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

**CAUTION:** IMPROPER INSTALLATION CAN CREATE A HAZARD WHEN FLOOR PLATES ARE USED WITH APPARATUS. FOLLOW DIRECTIONS CAREFULLY

**INSTALLATION INSTRUCTION:**

1. LOCATE AND MARK THE CENTER LOCATIONS OF THE FLOOR PLATES USING THE LAYOUT DIAGRAM PROVIDED WITH THE APPARATUS BEING INSTALLED. RE-CHECK ALL CENTER LOCATIONS FOR ACCURACY BEFORE INSTALLING THESE PLATES

Gared Holdings, LLC  
9200 East 146<sup>th</sup> Street, Suite A  
Noblesville, Indiana 46060  
800-325-2682

MODEL NUMBER  
151651463

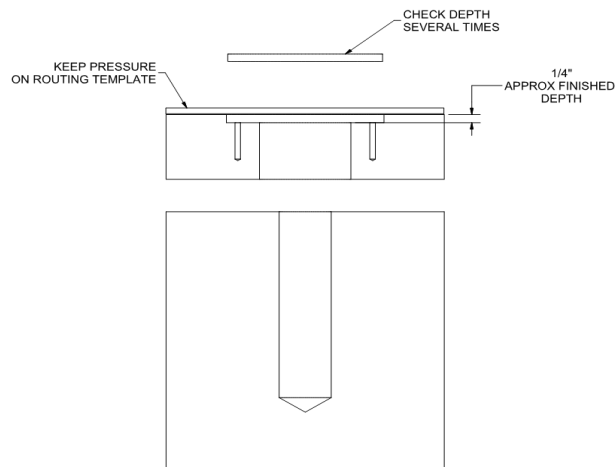
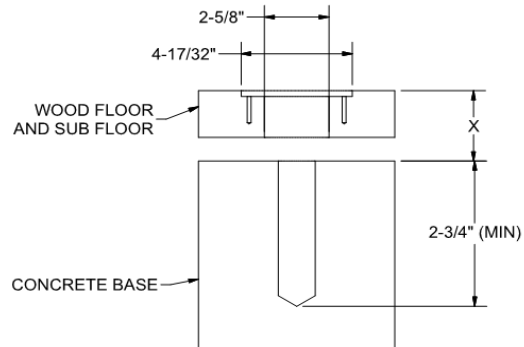
INSTALLATION INSTRUCTION CONT:

2. CUT A 2-5/8" DIAMETER HOLE COMPLETELY THE WOOD FLOOR THICKNESS. CHECK THE DISTANCE "X" FROM THE TOP OF THE FLOOR TO THE CONCRETE.

3. IF "X" IS GREATER THAN 2-7/8", THEN YOU CANNOT USE THE STANDARD "E" PLATES. PLEASE CONTACT YOUR DEALER OR GARED FOR FURTHER OPTIONS.

4. MAKE A TEMPLATE USING A PIECE OF MASONITE OR THICK PLASTIC. MAKE A HOLE IN THE TEMPLATE MATERIAL SO THAT WHEN THE ROUTER IS USED WITH IT, THE COUNTERBORED DIAMETER IS 4-17/32". USE A SCRAP BOARD TO PRACTICE, AND FOR CHECKING THE FINISHED HOLE SIZE BEFORE ATTEMPTING THIS ON YOUR FLOOR.

5. CREATE A COUNTERBORED HOLE 4-17/32" DIAMETER AND 1/4" DEEP CENTERED ON THE 2-5/8" DIAMETER HOLE PREVIOUSLY DRILLED INTO FLOOR. WHEN MAKING THE COUNTERBORE, KEEP PRESSURE ON THE TEMPLATE AT ALL TIMES. THIS WILL KEEP THE TEMPLATE FROM SLIPPING, IT WILL ALSO HELP TO KEEP THE WOOD FLOOR FROM SPLINTERING AROUND THE HOLE. DO NOT SET THE DEPTH AT 1/4" FOR THE FIRST PASS ON THE ROUTING STEP. GRADUALLY WORK DOWN TO THE DEPTH AT WHICH THE FLOOR PLATE IS JUST FLUSH WITH THE SURFACE OF THE FLOOR. PLACE THE FLOOR PLATE INTO THE HOLE SEVERAL TIMES TO ENSURE THAT THE HOLE IS NOT MADE TOO DEEP. THE FLOOR PLATE MUST BE PERFECTLY FLUSH WITH THE TOP SURFACE OF THE FLOOR.



6. USING THE HAMMER DRILL, DRILL AN 1-1/2" DIAMETER HOLE CENTERED IN THE 2-5/8" HOLE DEEP ENOUGH TO ALLOW THE TOP OF THE ANCHOR BODY TO BE 3/8" BELOW THE SURFACE OF THE FLOOR.

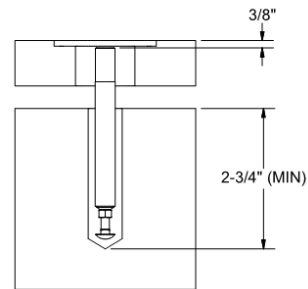
7. COMPLETELY REMOVE THE DUST FROM THE HOLE BY SUCKING IT OUT WITH A VACUUM CLEANER, OR BLOWING IT OUT WITH A TIRE PUMP OR BATTERY FILLER.

Gared Holdings, LLC  
9200 East 146<sup>th</sup> Street, Suite A  
Noblesville, Indiana 46060  
800-325-2682

**MODEL NUMBER**  
**151651463**

**INSTALLATION INSTRUCTION CONT:**

8. CAREFULLY CHECK THE HOLE WITH A FLOOR PLATE ANCHOR BODY AS SHOWN IN THE FIGURE TO THE RIGHT. IN ORDER FOR THIS ANCHOR TO WORK PROPERLY, ALL DIMENSIONS SHOWN IN THE FIGURE MUST BE MAINTAINED. IF THE ANCHOR TUBE PROTRUDES ABOVE THE 3/8" DEPTH LIMIT, THE HOLE IN THE CONCRETE MUST BE DRILLED DEEPER, OR THE ANCHOR CAN BE CUT WITH A SAW TO MAINTAIN THE PROPER DEPTH.



9. FILL THE HOLE WITH WATER AND SCRUB SIDES AND BOTTOM WITH STIFF CIRCULAR BRUSH, SUCH AS A BOTTLE BRUSH. **THIS STEP IS CRITICAL!**
10. REMOVE EXCESS WATER AND ANY LOOSE PARTICLES WITH A RAG OR PAPER TOWEL. THE HOLE MUST BE CLEAN AND UNIFORMLY DAMP.
11. MEASURE ONE-PART WATER TO FIVE PARTS CEMENT BY VOLUME (PROVIDED) AND MIX TOGETHER IN CLEAN CONTAINER. MEASURE WATER TO CEMENT RATIO AS ACCURATELY AS POSSIBLE. MIX SHOULD REACH A FLOWABLE CONSISTENCY.

**CAUTION:**

**DO NOT** ADD SAND, GRAVEL, OR OTHER FOREIGN SUBSTANCES TO THE CEMENT, DOING SO WILL WEAKEN THE CEMENT.

**DO NOT** ADD TOO MUCH WATER, OR ATTEMPT TO "RE-TEMPER" CEMENT THAT HAS BEGUN TO CURE BY ADDING WATER, THIS WILL RESULT IN FAILURE OF THE CEMENT TO ACHIEVE PROPER STRENGTH.

13. POUR CEMENT MIXTURE INTO THE CLEANED DAMP HOLE UNTIL IT IS APPROXIMATELY ¾ FULL.
14. WET THE KNURLED (ROUGH) SURFACE OF THE FLOOR PLATE BODY WITH WATER, DO NOT ALLOW WATER TO GET INTO THE WORKINGS OF THE FLOOR PLATE ASSEMBLY. INSERT THE ANCHOR TUBE INTO THE HOLE, KEEPING IT AS VERTICAL AS POSSIBLE. LOWER IT UNTIL THE ANCHOR BODY IS 3/8" BELOW THE SURFACE OF THE FLOOR. EXCESS CEMENT SHOULD FLOW OUT AROUND THE TOP OF THE ANCHOR TUBE. IF THIS DOES NOT HAPPEN, THE ANCHOR TUBE BODY SHOULD BE REMOVED, MORE CEMENT ADDED, AND RE-INSERTED INTO HOLE. SCRAPE THE EXCESS CEMENT MIXTURE WITH A PUTTY KNIFE OR SCRAPER.

Gared Holdings, LLC

9200 East 146<sup>th</sup> Street, Suite A

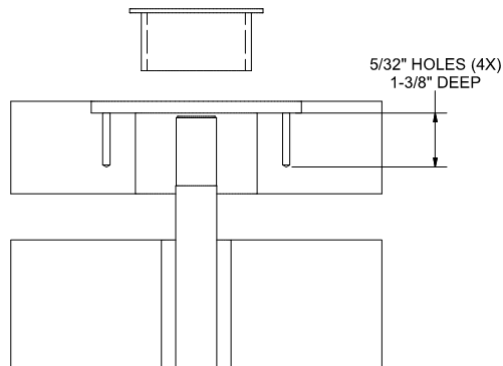
Noblesville, Indiana 46060

800-325-2682

MODEL NUMBER

151651463

TION INSTRUCTION CONT:



15. USING THE TOP OF THE FLOOR PLATE AS A GUIDE, CENTER THE 5/32" DRILL BIT IN EACH HOLE AND DRILL FOUR (4) HOLES IN THE WOOD FLOOR 1-3/8" DEEP FOR THE WOOD SCREWS AS SHOWN ABOVE. INSTALL THE WOOD SCREWS, MAKING SURE THAT THEY ARE STRAIGHT AND WELL SEATED IN THE COUNTERSINK OF THE TOP PLATE.
16. ALLOW 12 HOURS TO FULLY CURE. AFTER 12 HOURS, THE APPARATUS MAY BE SET UP AND USED WITH FLOOR PLATE
17. WHEN INSTALLING THE APPARATUS TO THE FLOOR PLATE, INSERT THE FASTENERS FINGER TIGHT ONLY. NO TOOLS SHOULD BE REQUIRED FOR THIS OPERATION. AFTER THE FASTENER HAS BEEN TIGHTENED FINGER TIGHT, LOOSEN ONLY ENOUGH TO ALLOW PROPER ALIGNMENT BETWEEN APPARATUS ATTACHING BRACKET(S) AND FASTENER.

USE OF YOUR "E" PLATE

1. THIS FLOOR PLATE IS INTENDED FOR USE IN CONCRETE FLOORS WITH A FLOATING WOOD FLOOR INSTALLED DIRECTLY OVER CONCRETE. IF THERE IS ANY QUESTION ABOUT THE APPROPRIATE FLOOR PLATE FOR YOUR FLOOR SURFACE, CONTACT GARED FOR ASSISTANCE BEFORE INSTALLING.
2. CLEAN AND INSPECT FLOOR PLATES REGULARLY. ENSURE THAT THREADS ARE ENGAGING PROPERLY AND THERE IS NO BREAKDOWN OF CEMENT. PROPERLY INSTALLED THIS FLOOR PLATE IS DESIGNED TO WITHSTAND ANY LOAD APPLIED BY THE APPARATUS.
3. IF THERE IS ANY DOUBT AS TO THE INTEGRITY OF THE FLOOR PLATE, **DO NOT USE IT**. CONTACT A PROFESSIONAL INSTALLER OR GARED FOR EVALUATION.