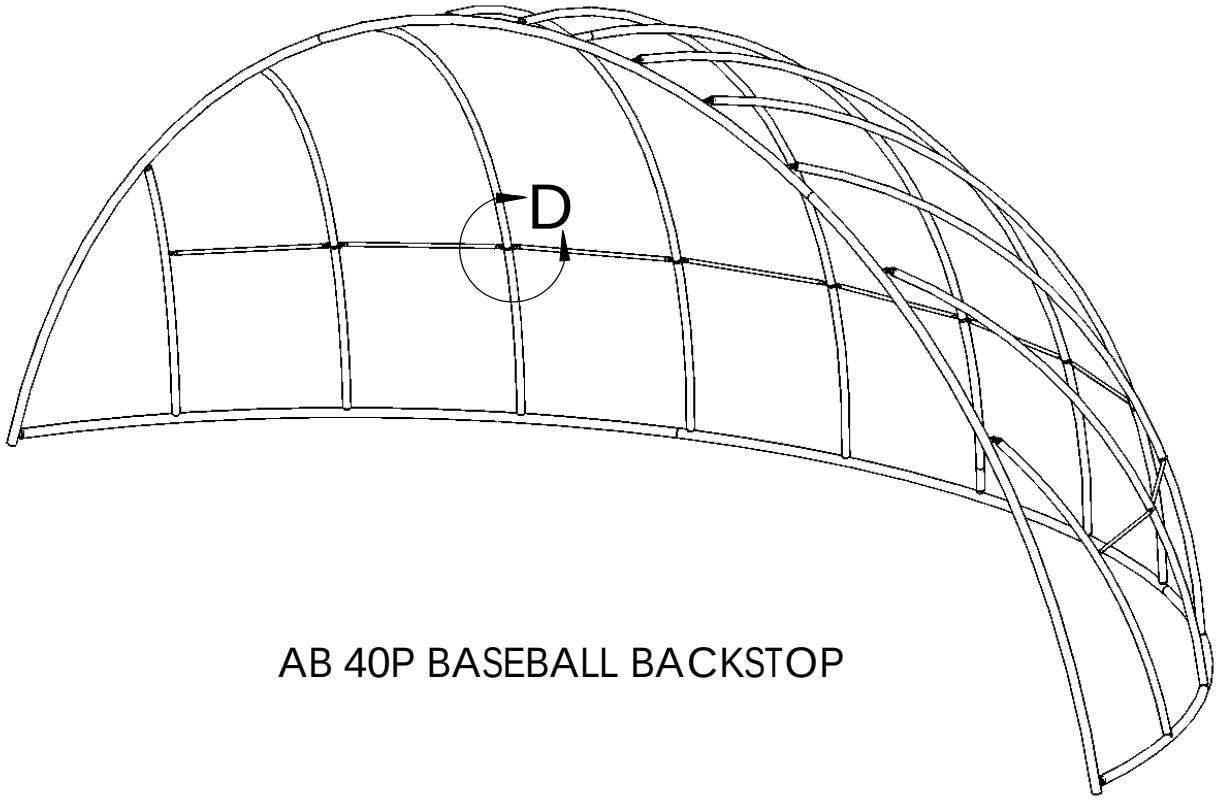
STEELCRAFT PRODUCTS

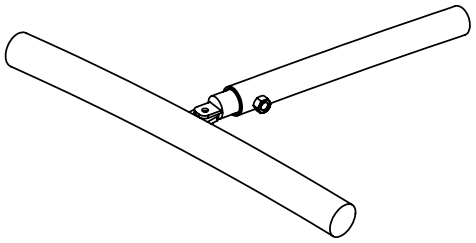
P.O. Box 90365 - Pasadena, CA 91109
PHN 626-798-7401 FAX 626-798-1482

MODEL
AB-40P
BASEBALL BACKSTOP

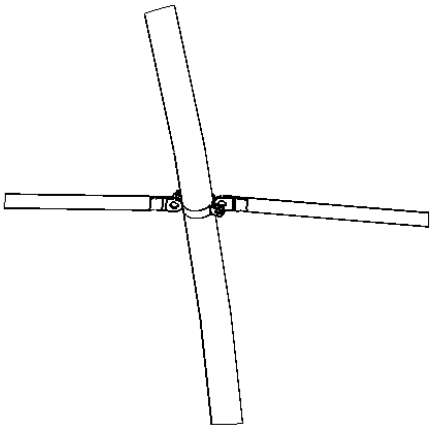
DO NOT SCALE DRAWING



AB 40P BASEBALL BACKSTOP



RIB TO ARCH CONNECTION



DETAIL D
BRACE TO RIB

ALL WELDS TO BE TREATED WITH FESCO DRY GALV. (95% ZINC) METAL COATING. FABRIC TO BE 2" X 9 GA. (KNUCKLE KNUCKLE) w/ TENSION BARS. FABRIC ON OUTSIDE OF FRAMEWORK.

NOTE: SPECIFICATIONS ARE SUBJECT TO CHANGE

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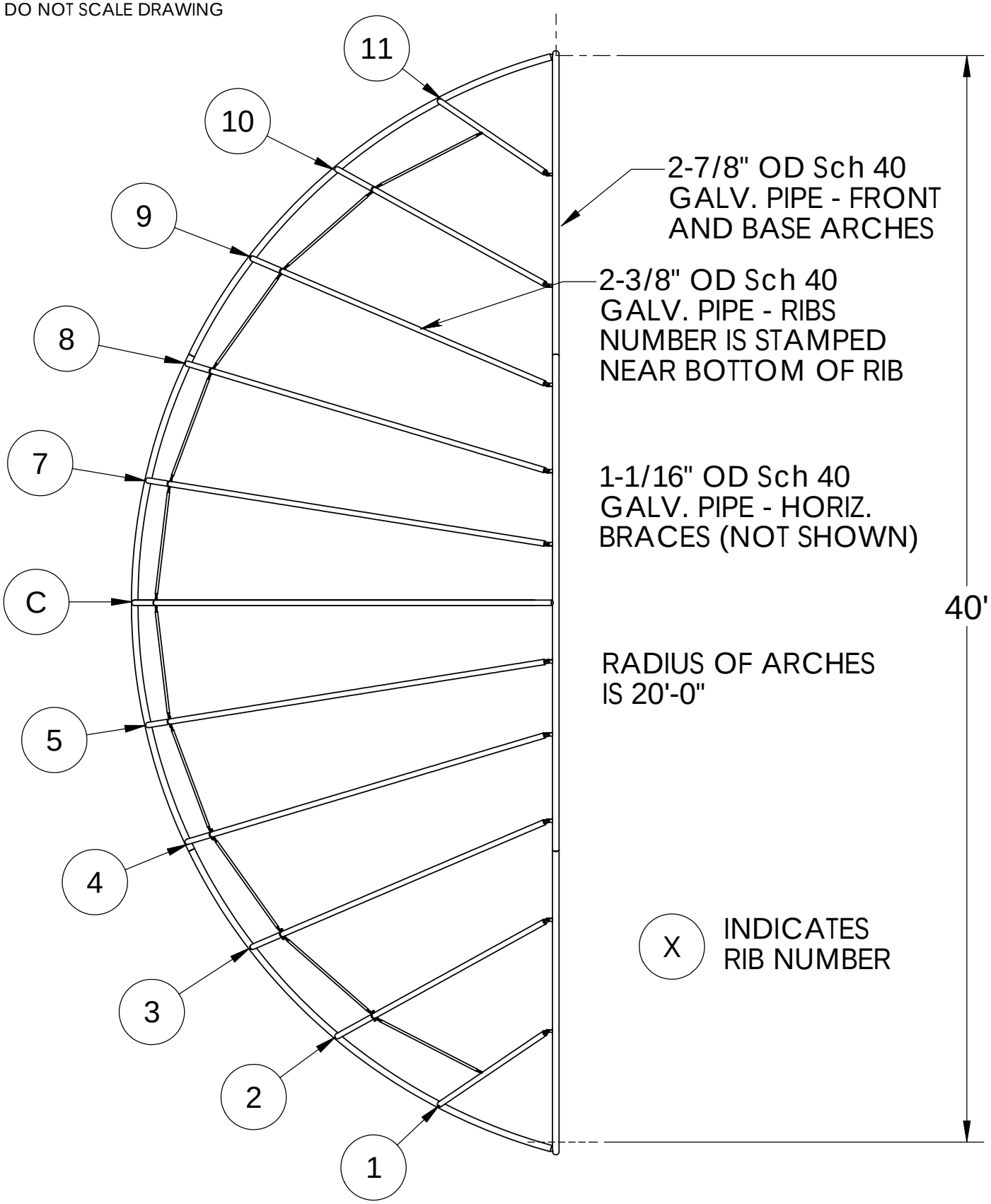

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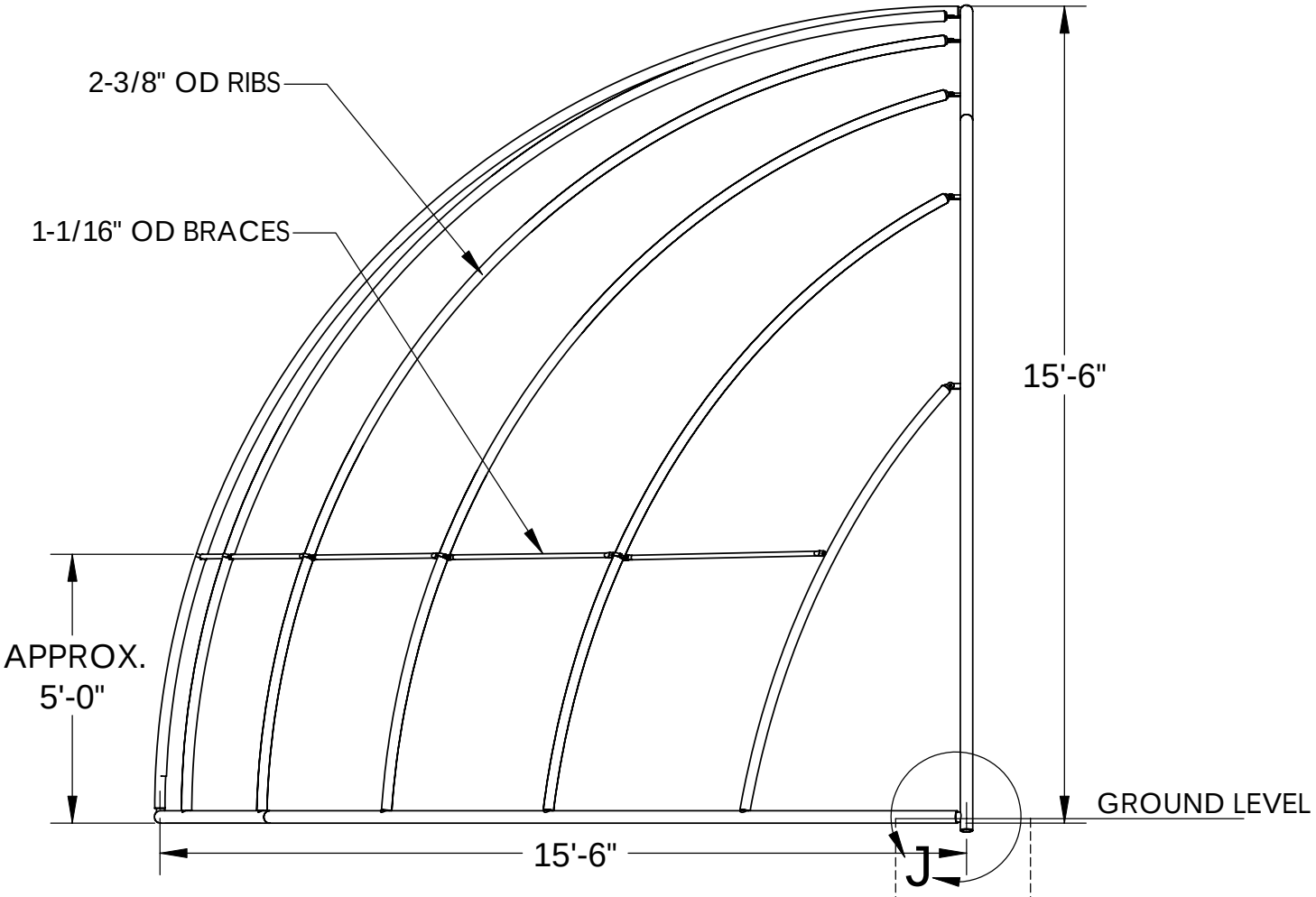
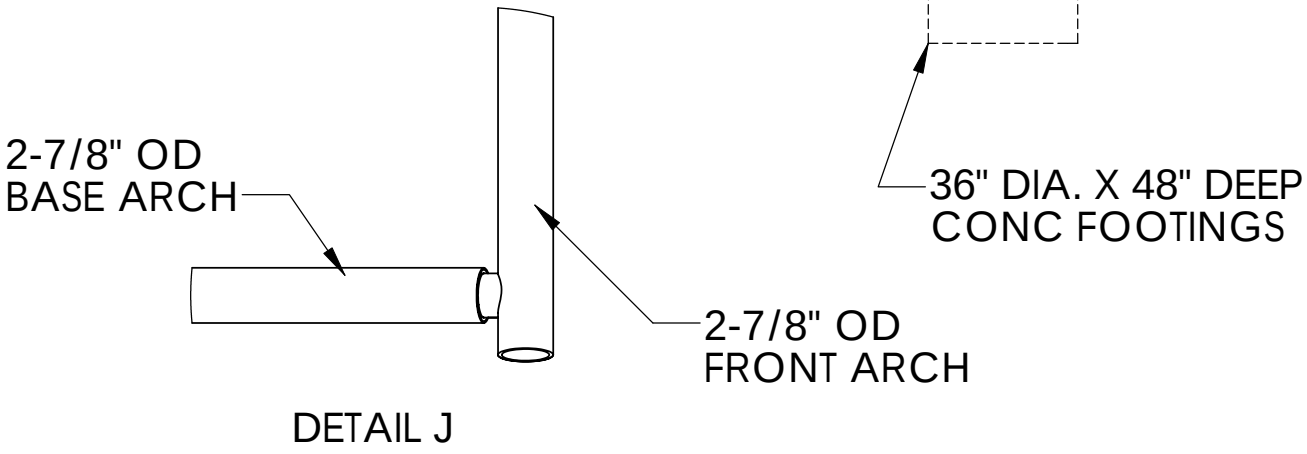


SIDE ELEVATION



DETAIL J

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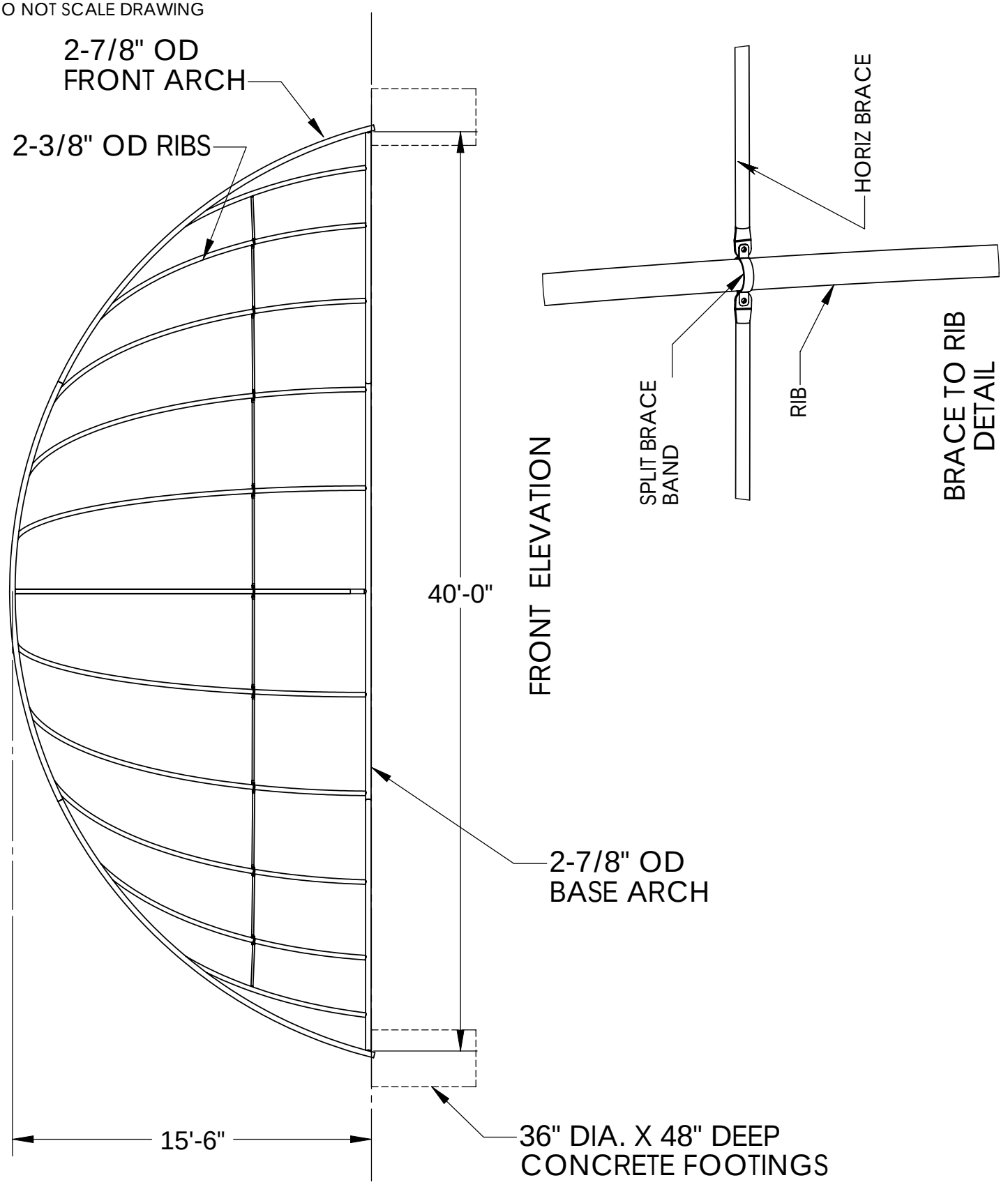

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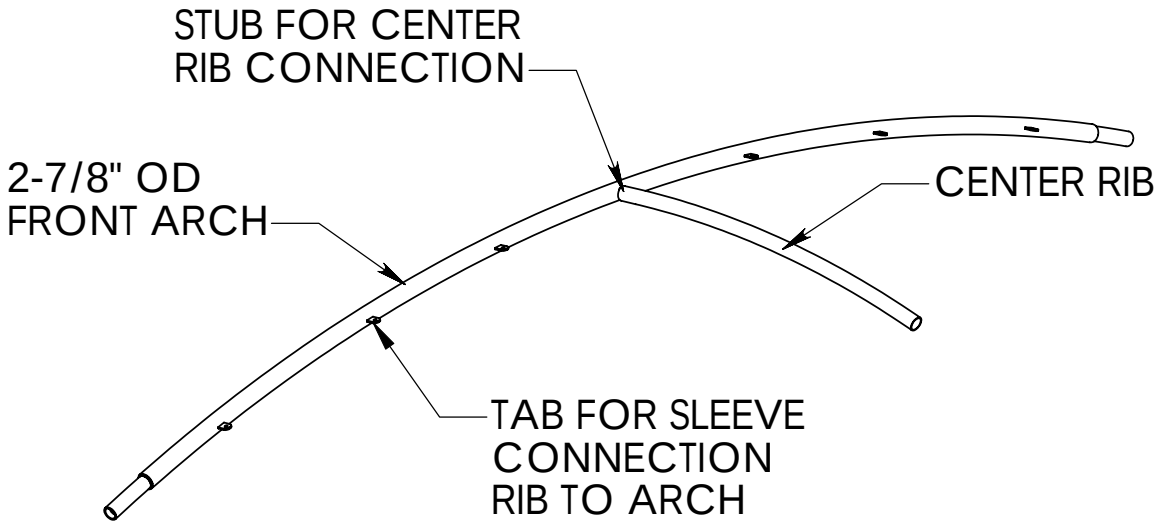
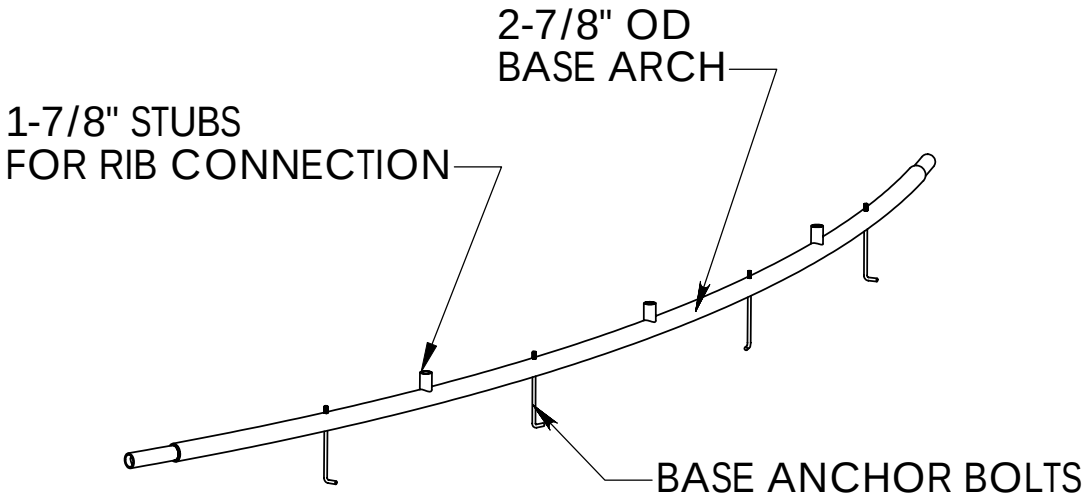


TOP CENTER ARCH



BOTTOM CENTER ARCH

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ASSEMBLY AND INSTALLATION INSTRUCTIONS

THE SITE MUST BE LEVEL. YOU WILL HAVE MAJOR PROBLEMS IF IT IS NOT.
A VARIATION OF +/- 1" IS ACCEPTABLE.
LIFTING EQUIPMENT AND SCAFFOLDING IS NECESSARY TO ASSEMBLE FRAMES AND ATTACH FABRIC
BECOME FAMILIAR WITH THE PARTS OF THE STRUCTURE. THERE ARE TWO SECTIONS EACH OF THE BASE AND FRONT ARCH. THESE ARE 2-7/8" OD AND EACH HAS A MATING END AND APPROPIRATE FITTINGS. THE BASE ARCH HAS STUBS AT APPROXIMATELY 5'-0" ON CENTER THAT RECEIVE THE RIBS. THE FRONT ARCH HAS A CENTER STUB AND TABS TO WHICH THE RIBS ARE ATTACHED.
THE RIBS ARE 2-3/8" OD AND ARE NUMBERED AS SHOWN ON THE PLAN VIEW.

1. SET THE CENTER BOTTOM ARCH SECTION IN THE PROPER LOCATION. THIS IS THE ONE WITH THE STUBS GOING VERTICAL. ATTACH THE RIGHT AND LEFT SIDE OF THE BOTTOM ARCH. DO NOT COMPLETELY TIGHTEN THE SET SCREWS AT THIS POINT. THE MAIN ARCH MUST BE 40'-0" ACROSS. IF IT IS LESS OR MORE, ADJUST TO THIS WIDTH.
2. MARK THE POSITION OF THE TEN (10) ANCHOR FOOTINGS AND THE TWO (2) MAIN FOOTINGS. MOVE THE BASE ARCH AWAY AND DIG THE FOOTINGS AS SHOWN ON THE DRAWINGS. PLACE THE BASE ARCH BACK INTO POSITION AND TIGHTEN THE SET SCREWS ONE FULL TURN PAST HAND TIGHT USING A WRENCH AND EXTENSION BAR. STAKE THE BOTTOM ARCH INTO POSITION SO IT WILL NOT MOVE WHILE INSTALLING THE FRONT ARCH.
3. ASSEMBLE THE FRONT ARCH ON THE GROUND IN FRONT OF THE BASE ARCH. THERE ARE CENTER, RIGHT AND LEFT SECTIONS SIMILAR TO THE BASE. MAKE SURE THE STUB AND TABS ALL FACE THE SAME DIRECTION. ie. GET RIGHT AND LEFT CORRECT. TIGHTEN THE SET SCREWS WITH WRENCH AND EXTENSION BAR.
4. RAISE THE ASSEMBLED FRONT ARCH USING LIFTING EQUIPMENT. (THIS ARCH WEIGHS APPROXIMATELY 350 lbs.) INSERT THE STUB FITTINGS OF THE FRONT ARCH INTO THE ENDS OF THE BASE ARCH. MAKE SURE THE FITTINGS ARE SEATED AS FAR AS POSSIBLE. TIGHTEN THE SET SCREWS ONE FULL TURN PAST HAND TIGHT USING A WRENCH AND EXTENSION BAR. KEEP THE FRONT ARCH SUPPORTED IN A VERTICAL POSITION AS YOU PROCEED WITH THE NEXT STEPS.
5. LOCATE THE NUMBERS ON THE RIBS AND MATCH THEM TO THE NUMBERS ON THE BASE ARCH.
6. INSTALL THE CENTER RIB FIRST. IT WILL INSERT INTO THE BOTTOM AND FRONT ARCH STUBS.
7. THE REMAINDER OF THE RIBS SLIP ONTO THE STUBS IN THE BASE ARCH AND USE THE "SLIP" FITTING AT THE TOP ARCH TO ATTACH TO THE TABS. (SEE DRAWING)
8. INSTALL RIBS No. 1 NEXT. IT IS BEST TO PLACE THE NUT WELDED TO THE TOP OF THE RIB TOWARDS THE CENTER OF THE ASSEMBLY. INSERT THE RIB ONTO THE STUB ON THE BASE ARCH AND DO THE SAME WITH THE INSERT ON THE FRONT ARCH. YOU CAN MOVE THE FRONT ARCH AS NECESSARY TO MAKE THIS CONNECTION. DO NOT TIGHTEN RIB SET SCREWS UNTIL THE FRAME IS COMPLETE.

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9. REPEAT THIS PROCEDURE ALTERNATING FROM RIGHT TO LEFT. CHECK AS YOU PROCEED TO MAKE SURE THAT THE FRONT ARCH IS PLUMB. IT IS BEST TO HAVE THE ARCH SLIGHTLY LAID BACK RATHER THAN LEANING TO THE FRONT. PLUMB IS IDEAL.
10. AFTER ALL RIBS ARE IN PLACE, MAKE SURE ALL THE JOINTS ARE SEATED ON ALL RIBS AND ARCH CONNECTIONS. ALIGN EVERYTHING TO THE BEST OF YOUR ABILITY. TIGHTEN THE SET SCREWS ON THE FRONT ARCH WITH A WRENCH AND EXTENSION BAR. DON'T TIGHTEN THE SET SCREWS FOR THE RIBS YET.
11. INSTALL THE HORIZONTAL STIFFENERS APPROXIMATELY 5'-0" ABOVE GRADE. START WITH THE SHORT ONES BETWEEN RIBS 4 AND 5. ATTACH THE BEGINNING END WITH A BRACE BAND AND BOLT w/ NUT. THE INSIDE CONNECTION USES SPLIT BRACE BANDS AND BOLT w/ NUT. DO NOT TIGHTEN BOLTS UNTIL ALL THE STIFFENERS ARE IN PLACE.
12. INSTALL THE ANCHOR BOLTS AND NUTS IN THE HOLES IN THE BOTTOM ARCH. THREAD THE NUTS ONTO THE ANCHOR BOLTS UNTIL ONE THREAD IS SHOWING.
13. POUR CONCRETE IN THE FOOTING HOLES. THE MAIN FOOTING HOLES SHOULD BE POURED TO WITHIN 2" OF FINISHED GRADE. THE ANCHOR BOLT HOLES CAN BE POURED UP TO FINISHED GRADE. WAIT AT LEAST 72 HOURS BEFORE ATTACHING THE FABRIC.
14. NOW THE FUN BEGINS. THERE ARE TWO ROLLS OF FABRIC. ONE IS 9 ga. 10' X 75' AND THE OTHER IS 8' X 55'. LOCATE THE TENSION BARS AND TENSION BANDS AND OTHER MISCELLANEOUS FENCING HARDWARE.
15. THE CIRCUMFRENCE AT THE BASE OF THE ARCH IS 55 ft. STAND THE SHORT ROLL ON EDGE AND PLACE THE FABRIC SO IT IS CENTERED ON THE OUTSIDE OF THE FRAME AND JUST ENOUGH ABOVE THE BOTTOM ARCH SO THE TENSION BARS CAN BE INSTALLED. PUT TIE WIRES ON THE CENTER RIB AND THE FABRIC. STRECH THE FABRIC AROUND THE BOTTOM AS BEST AS YOU CAN AND INSTALL THE TENSION BARS IN THE BOTTOM AND ATTACH BARS TO TENSION BANDS.
16. WHEN THE BOTTOM COURSE IS SUFFICIENTLY TIGHT, INSTALL TENSION BARS AND BANDS ON THE FRONT ARCH AND CUT THE EXCESS FABRIC OFF ON THE BIAS. THE BOTTOM OF THIS COURSE WILL BE EASILY STRECHED AND THE TOP WILL NOT BE REAL TIGHT. IT WILL REQUIRE A BIAS CUT ON THE TOP OF THE COURES WHERE IT MEETS THE FRONT ARCH. IT DOESN'T GET EASIER THAN THIS.
17. PLACE THE REMAINDER OF THE FABRIC IN THE CENTER OF THE BACKSTOP LIKE ABOVE. SLIDE IT UP THE BACKSTOP UNTIL IT IS CLOSE TO THE FRONT ARCH. THERE SHOULD BE AMPLE OVERLAP OVER THE FIRST COURSE OF FABRIC. STRECH THIS COURSE AS BEST YOU CAN AND HOG TIE THE OVERLAP TO THE BOTTOM COURSE. THIS COURSE WILL HAVE TO BE BIAS CUT AT THE ENDS BEFORE THE TENSION BE INSTALLED.
18. TIE THE FABRIC TO THE RIBS USING TIE WIRE. CLEAN UP AND YOU ARE DONE.

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