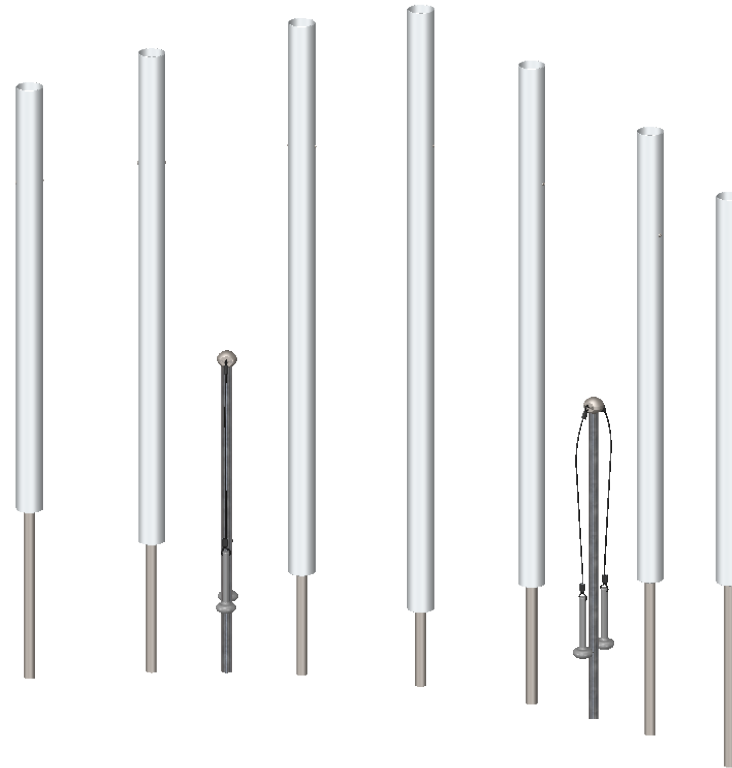
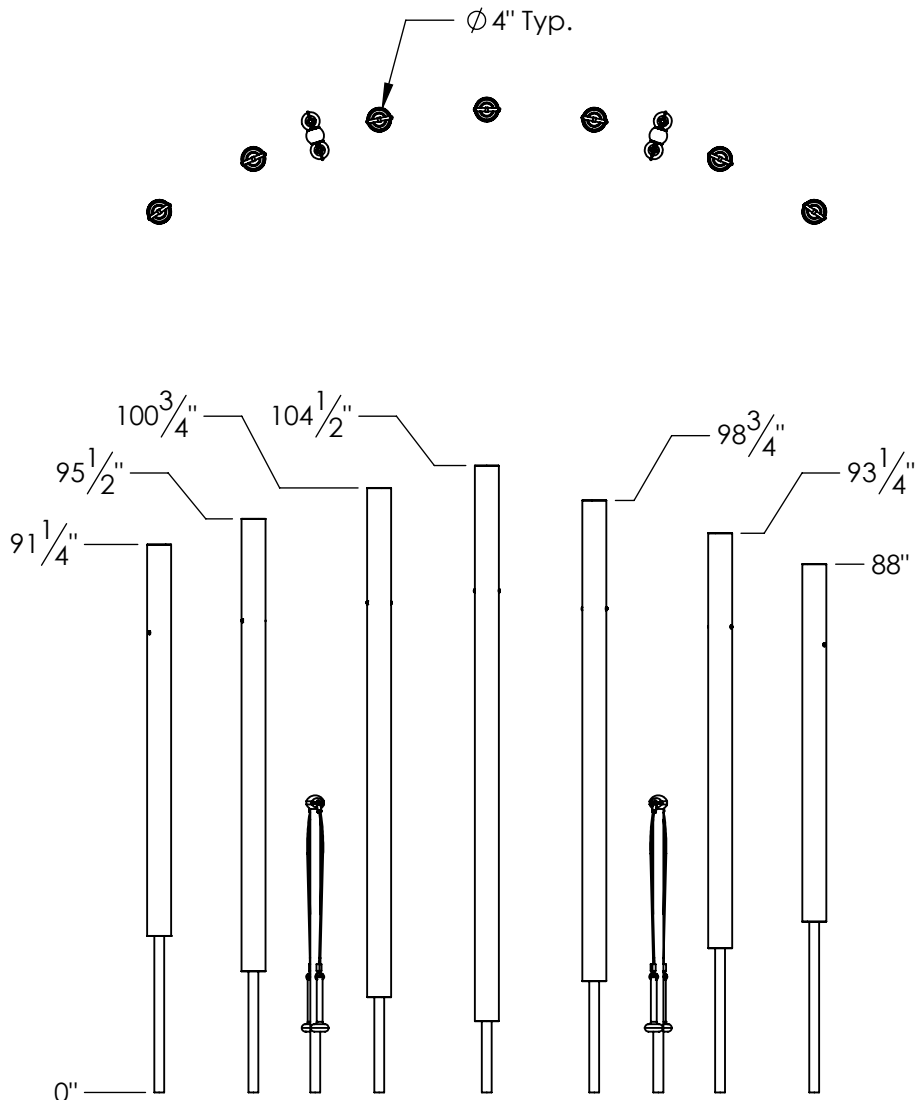


# CONTRABASS CHIMES INSTALLATION GUIDE



### Main Features:

- C Major Pentatonic
- Steel Powder Coated Support Poles
- Anodized Aluminum Chimes
- Stainless Steel Hardware

### Contents:

- SHEET 2 - In Ground Installation w/ Parts List
- SHEET 3 - Surface Mount Installation w/ Parts List

### Weights:

- Instrument Weight, 30-35lbs per chime
- Boxed Instrument Weight, 35-40lbs. per chime
- Mallet Pole Weight, 37lbs.
- Boxed Mallet Pole Weight, 40lbs.

TITLE:  
**Contrabass Chimes - Installation Guide**

DWG. NO. CCH-INSTALL

REVISION: A

SCALE: 1:32

DATE: 2/7/2018

SHEET 1 OF 3

**Parts List:**

ITEM NO.	DESCRIPTION	QTY.
1	Contrabass Chimes - In Ground Chime Assembly 1	1
2	Contrabass Chimes - In Ground Chime Assembly 2	1
3	Contrabass Chimes - In Ground Chime Assembly 3	1
4	Contrabass Chimes - In Ground Chime Assembly 4	1
5	Contrabass Chimes - In Ground Chime Assembly 5	1
6	Contrabass Chimes - In Ground Chime Assembly 6	1
7	Contrabass Chimes - In Ground Chime Assembly 7	1
8	Contrabass Chimes - In Ground Mallet Pole Assembly	2



FREENOTES HARMONY PARK  
 194 BODO DRIVE, UNIT F  
 DURANGO CO 81303  
 TEL: (970) 375-7825  
 FAX: (970) 247-0856  
 WWW.FREENOTESHARMONYPARK.COM

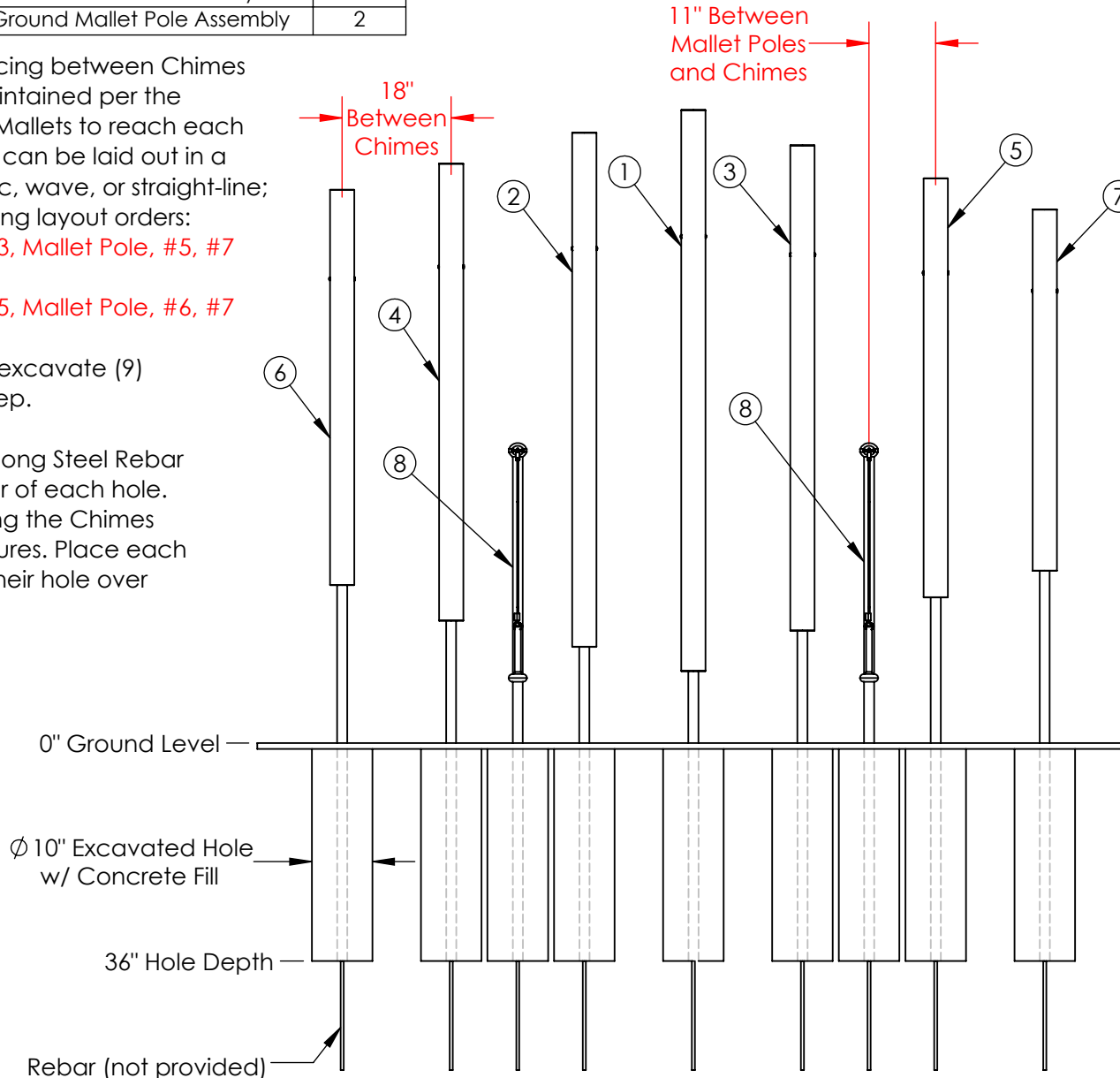
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**Step 1:** Determine your layout. Spacing between Chimes and Mallet Poles must be maintained per the diagram shown to allow the Mallets to reach each Chime. Although the Chimes can be laid out in a variety of styles such as an arc, wave, or straight-line; we suggest one of the following layout orders:  
 #6, #4, Mallet Pole, #2, #1, #3, Mallet Pole, #5, #7  
 or  
 #1, #2, Mallet Pole, #3, #4, #5, Mallet Pole, #6, #7

**Step 2:** After choosing your layout, excavate (9) 10" Diameter holes, at 36" deep.

**Step 3 (Optional):** Pound 18" of 36" long Steel Rebar (not provided) into the center of each hole. This process helps with keeping the Chimes vertical while the concrete cures. Place each Chime and Mallet Pole into their hole over the rebar.

**Step 4:** Place each Chime and Mallet Pole into their hole, then pour concrete around the poles within the holes. Check that everything is level. Leave concrete to set according to the concrete manufacturer's guidelines. If necessary, brace the Chimes to hold them rigid during the curing process. Approximately (27) 80lb. bags will be needed.  
 (Chimes must be as vertical as possible for best sound)



TITLE: In Ground Installation with Parts List  
 DWG. NO. CCH-INSTALL

REVISION: A  
 SCALE: 1:28  
 DATE: 2/7/2018  
 SHEET 2 OF 3

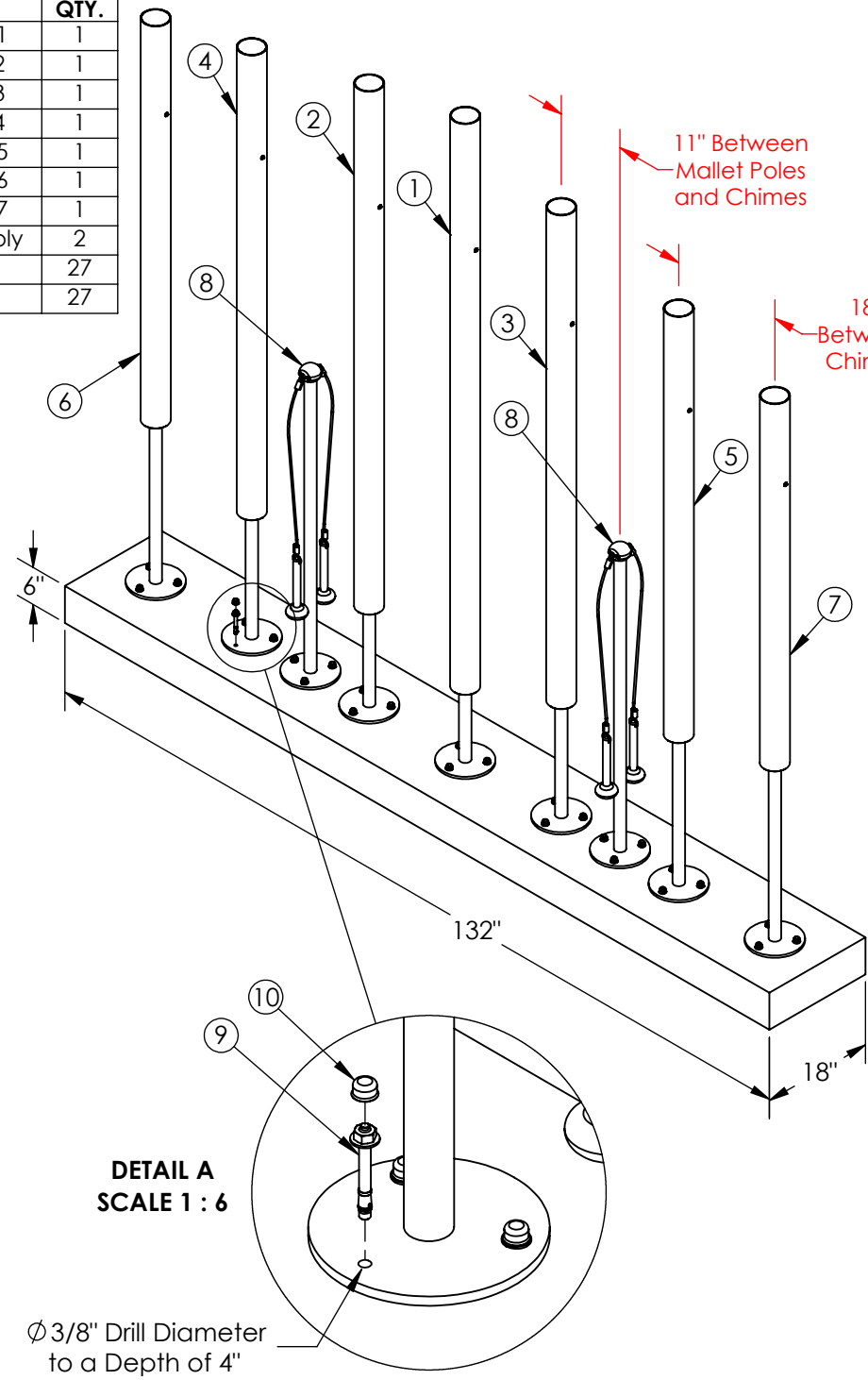
ITEM NO.	DESCRIPTION	QTY.
1	Contrabass Chimes - Surface Mount Chime Assembly 1	1
2	Contrabass Chimes - Surface Mount Chime Assembly 2	1
3	Contrabass Chimes - Surface Mount Chime Assembly 3	1
4	Contrabass Chimes - Surface Mount Chime Assembly 4	1
5	Contrabass Chimes - Surface Mount Chime Assembly 5	1
6	Contrabass Chimes - Surface Mount Chime Assembly 6	1
7	Contrabass Chimes - Surface Mount Chime Assembly 7	1
8	Contrabass Chimes - Surface Mount Mallet Pole Assembly	2
9	3/8"-16 Wedge Expansion Anchor, 3.75"lg. SS	27
10	35/64" Hex Nut Cap	27

**Step 1:** Determine your layout. Spacing between Chimes and Mallet Poles must be maintained per the diagram shown to allow the Mallets to reach each Chime. Although the Chimes can be laid out in a variety of styles such as an arc, wave, or straight-line; we suggest one of the following layout orders:  
 #6, #4, Mallet Pole, #2, #1, #3, Mallet Pole, #5, #7  
 or  
 #1, #2, Mallet Pole, #3, #4, #5, Mallet Pole, #6, #7

**Step 2:** Determine installation location. Verify concrete footing is a minimum of 132" long x 18" wide x 6" thick, depending on the layout you go with. If the concrete pad is at an angle, steel washers are required to act as shims (Shims not provided). If there is not already an existing pad, approximately (23) 80lb. bags will be needed. Allow concrete to cure per concrete manufacturers guidelines.

**Step 3:** With two people place the Chimes and Mallet Poles individually onto the concrete pad and mark the center of the holes on the surface mount plates. After you have made your marks, set aside the Chimes and Mallet poles in order to drill for anchor holes. With a hammer or rotary drill, drill through concrete at marked locations. Drill to a minimum depth of 4". A 3/8" masonry drill bit will be needed.

**Step 4:** Place the Chimes and Mallet Poles back over the drilled out holes. Insert provided anchor bolts into aligned holes. Position anchor nut so that it is flush with the top of the bolt. Pound anchor bolts into the hole until the anchor washer is flush with the surface mount base. Tighten anchor bolts until they are snug. Cover remaining bolt sections with provided nut caps.



Ø 3/8" Drill Diameter to a Depth of 4"