



# Metal Pipe Check Sheet

Date: \_\_\_/\_\_\_/\_\_\_



P.O. Box 8325 \* Erie, PA 16505-0325  
(814) 835-2244 Voice \* (814) 838-0349 Fax

- Quote Only
- Order

Customer: \_\_\_\_\_

Order Number: \_\_\_\_\_

Project Name: \_\_\_\_\_

**NOTE: Please make an effort to provide us with a reasonable delivery date. We will make every effort to meet or exceed that date. Our typical production time on Zinc and Spotted Metal Pipes is 60 to 90 days average. Complete details and deposit must accompany the order to be placed in production.**

**PLEASE SEE PAGE 3 FOR ADDITIONAL DETAILS ON TUNER STYLE AND STANDARD CONSTRUCTION TECHNIQUES**

Stop Name	Scale	Total # of Pipes	# Zinc	Remaining Pipes (30/50/75%)	Mouth Width	Halving Ratio	Taper	Tuner Style	Wind Pressure	Special Instructions (Display or Façade?)
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

### Languid Bevel

- 58 Degree (Standard)
- Special: \_\_\_\_\_ Degrees

### Slide Tuners

- Aluminum
- Stainless Steel

- With Flare (56 Scale and Up)

### Pipe Feet

- Standard
- European
- Special: \_\_\_\_\_

### Organ Metal Finishes

- Standard - As Cast
- Planed Side Out
- Burnished
- Polished

### Capped Flues Felt Color

- Black
- Blue
- Green
- Red

### Strings/Slotting

- Not Slotted (Standard)
- Yes, I have indicated above

### Façade/Zinc Appointments

- Gothic Mouth (Standard)
- English Bay
- Roman
- Raised Roman
- Other: \_\_\_\_\_
- I want a 2-tone look, please Polish/Paint

### Façade/Zinc Finishes

- Aluminum Lacquer (Standard)
- Pale Gold #12     Rich Gold #91
- Metal Gold #14
- Silvertone #2025
- Copper Lacquer
- Brushed and Clear Lacquer
- Polish and Clear Lacquer

**Special Requests? Beards, Ears, Haskell, Miter, Something we haven't Covered? Please attach details to separate sheet, we will be more than happy to assist as we are able. See page 3 for more assistance**

### Façade/Copper Finishes

- Brushed and Clear Lacquer
- Flamed and Clear Lacquer
- Polished and Clear Lacquer
- Please Polish the Mouths
- PLEASE SEND ME COLOR SAMPLES

**Install Pipe Hooks on 16' and 8' Open Pipes**

- "V" Style
- "D" Style
- Round

**Please Provide Hook Height Dimensions from Toe of Pipe to Bottom of Hook**

- 16' Open Pipes (2 Hooks)
- 8' Open Pipes (1 Hook)

**Are these Pipes to be Racked on OSI Chests?**

- Yes
- No

**Voicing (All Pipes Voiced at A=440 @ 70 Degrees Unless Otherwise Specified)**

- Voiced (Standard)
- Cut-Up per Instructions, Unvoiced
- Unvoiced with Pipemaker's Cut-Up

**Chest Type**

- Pitman/Pouch
- Slider
- Electro-Mechanical

**ELEVATION! - (if over 1000 foot above sea level)**  
 \_\_\_\_\_ Feet

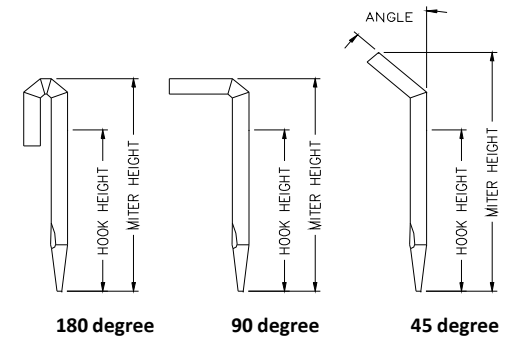
**WAIT! I have height restrictions!**

- Please Miter pipes to \_\_\_\_\_ High Overall
  - Please Haskell pipes to \_\_\_\_\_ High Overall
- Note: Haskell pipes will require 2/9 mouth and will have beards installed

**Please List Ranks and Pipe Numers to be shortened**

- 1 \_\_\_\_\_ # \_\_\_\_\_ to \_\_\_\_\_
- 2 \_\_\_\_\_ # \_\_\_\_\_ to \_\_\_\_\_
- 3 \_\_\_\_\_ # \_\_\_\_\_ to \_\_\_\_\_

**Mitering Instructions**



**Miter Over**

- Front  Left
- Back  Right

**Tuner Slot Location**

- Front
- Back

**Voicing Instructions/Special Details:** Items to consider, Room Size, Acoustics, Pipe Location (Chamer, Encased, Exposed, Builder, Date and Current Stop List, Metal Thickness, Cut-Ups, Nicking, Open Toe, Variable Scale Requirements, Mixture Composition

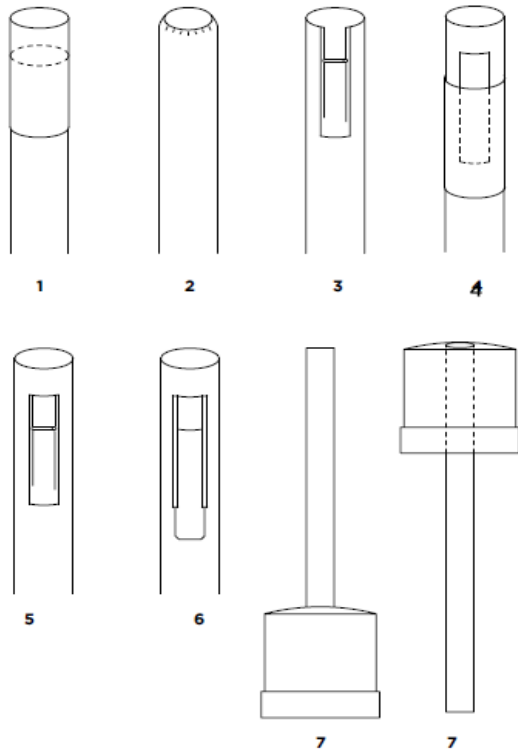
**Signature**

\_\_\_\_\_ Date \_\_\_\_\_

In order to release this information for production scheduling, a customer's signature and date MUST be present. By signing this document you are authorizing OSI to begin work on this project and verifying all information to be accurate. If additional notes are required, please provide on a separate sheet.

# Pipe Worksheet and Information Page

## Tuner Styles



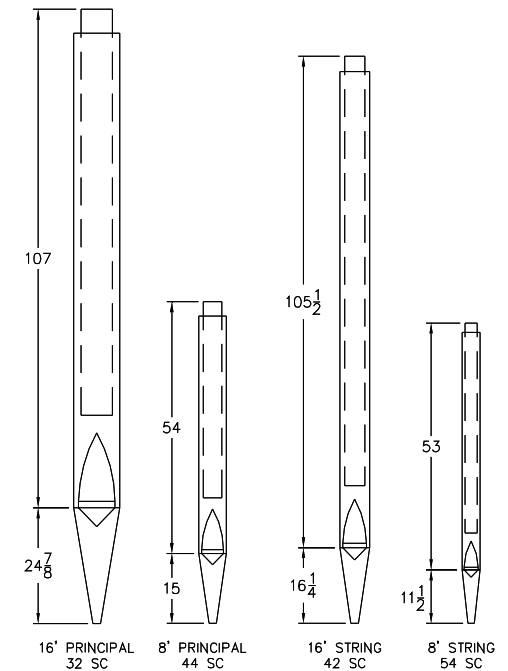
## Ears and Beards



## Façade Mouth Styles



## Shortest Lengths for Haskell Pipes



## About the Mouth - Flattening

2/7 Mouth	= 0.2857	X Cir
1/4 Mouth	= 0.25	X Cir
2/9 Mouth	= 0.2222	X Cir
1/5 Mouth	= 0.2	X Cir
1/6 Mouth	= .1667	X Cir

## Other Useful Formulas

17th Halving = 1.0442738  
 18th Halving = 1.041616

Circumference =  $\pi D$   
 Area of Circle =  $\pi r^2$   
 Area of Wood Pipe =  $W \times D$

$\sqrt{\text{Area of Wood Pipe} / 3.1416} \times 2 = \text{Diameter of Metal Pipe}$

## Basic OSI Metal Compositions

Others available upon request

- Common Metal (30% tin, 70% lead, planed on top side)
- Spotted Metal (50% tin, 50% lead, planed on linen side)
- Plain Tin (75% tin, 24% lead, planed on both sides)
- Antimonial Lead (94% lead, 6% Antimony)

## Mouth Inserts

Default Soldered in Mouths for Zinc and copper pipes are spotted metal.  
 Common Metal, Spotted Metal, or 75% Tin lips are options for visual reasons.

Polished Copper and Zinc pipes are furnished with 75% Tin Upper and Lower Lips

## Average Pipe Weights - Crated LBS

16' Principal, 32 SC, 1-12	1380	NM-1/2
8' Principal, 44 SC, 1-12	240	NM - Base
4' Principal, 58 SC, 1-61	110	NM -2
2-2/3' Quint, 64 SC, 1-61	45	NM -1/2
2' Principal, 70 SC, 1-61	40	NM -1/2
III Mixture, 15-19-22	62	NM -4 @ 8'
IV Mixture, 19-22-26-29	49	NM -4 @ 8'
8' Rohrflote, 48 SC, 1-61	180	NM -6
4' Rohrflote, 60 SC, 1-61	82	NM -4
8' String, 54 SC, 1-61	210	NM -11