Reed Pipe Check Sheet

Date:____/____/____

TOTAL PIPE ORGAN RESOURCES
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 Reed 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 STANDARD CONSTRUCTION TECHNIQUES

Stop Name	Scale	Total # of Pipes	# Reeds	#Flues	Harmonic @ #	Shallot Style	Pipes Racked on OSI Chests?	Wind Pressure	Special Instructions
1									
2									
3									
4									
5									
6									

Shallot Options

1 Tapered English (3 Degree) (OSI Default)
2 Tapered German (1 Degree)
3 Parallel
4 Domed Parallel
5 Beveled (Duck Bill or Boat) Parallel
6 Other: I have supplied details

Exceptions to OSI Default Shallot Style

Trumpet en Chamade	(Parallel)
Rohr Schalmei	(Parallel)
Krummhorn/Cromorne	(Parallel)
EMS English Horn	(Parallel)
Post Horn	(Parallel)

Pipe Material

☐ 16' Zinc/SM Resonators (Default)
☐ 16' Zinc with Tuner Inserts

☐ 8'/4' Zinc/Spotted Metal Resonators (Default)
☐ 8'/4' Zinc with Tuner Inserts
☐ 8'/4' Copper with Tuner Inserts
☐ 8'/4' All Spotted Metal with Scroll Tuners
☐ 8'/4' All 75% Tin with Scroll Tuners

16' Tuner Options

☐ Scroll Inserts (Default)
☐ Track Tuners (For 16' Octave Only)

Zinc/Copper Finishing Options

☐ Aluminum Lacquer (Default)
☐ Pale Gold #12
☐ Metal Gold #14
☐ Rich Gold #91
☐ Silvertone #2025
☐ Copper Lacquer
☐ Brushed and Clear Lacquer
☐ Polished and Clear Lacquer
☐ Flamed Copper and Clear Lacquer

16' Full Length Pipes

☐ I would like Slip Joints #_____ to ____

Notes:
***All Scroll tuners or tuner flaps are cut opposite pipe seam in standard reeds unless otherwise specified.**
***Scroll Tuners for En Chamade Pipes are cut into inserts in seam.**
***Tuning wires are placed opposite pipe seam on standard reeds unless otherwise specified.**
***En Chamade reed tuning wire is 90 Degrees from pipe seam.**

Install Pipe Hooks #1-24 Standard Reeds

- ☐ "V" Style
- ☐ "D" Style
- ☐ Round

☐ I would like the hooks provided separately

Trumpet en Chamade Appointments

#43-54 Harmonic (Default)
Pipe Hooks Provided Separately Unless OSI is Racking
Tuner Inserts #1-54

Additional TEC Options

- ☐ Please add Flared Bells (Tin Bells Soldered to Resonators)
- ☐ Please Provide Hooks Separately

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

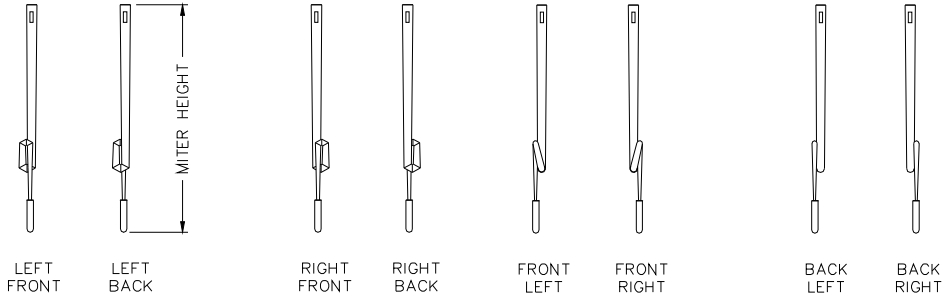
- ☐ Voiced (Standard)
- ☐ Unvoiced

Tongues Provided Unpolished, All Components Assembled

Chest Type

- ☐ Pitman/Pouch
- ☐ Slider
- ☐ Electro-Mechanical

Mitering Instructions and Directions



ORIENTATION IS ALWAYS FRONT.

WAIT! I have height restrictions!

☐ Please Miter pipes to _____ High Overall

Please List Ranks and Pipe Numers to be shortened

1 _____ #____ to ____
2 _____ #____ to ____
3 _____ #____ to ____

NOTE:
All OSI Reeds, New and Revoiced, are voiced on the listed toe hole schedule. If your chest has smaller toe holes, PLEASE LET US KNOW. Reeds are very sensitive to toe holes smaller than those on which they have been voiced.

NOTE	Toe Hole
16' #1-4	1-1/4"
16' #5-8	1-1/8"
16' #9-12	1"

NOTE	Toe Hole
8' #1-4	7/8"
8' #5-12	3/4"
8' #13-20	5/8"
8' #21-28	1/2"
8' #29-36	7/16"
8' #37-49/54	3/8"

Voicing Instructions: **Room Size, Room Acoustics, Pipe Location (Chamber, Encased, Exposed), Builder, Date and Stoplist of Existing Instrument, Metal Thickness, Power Level, Expectations, Etc.**

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

OSI Standard Construction - Page 9-17 of Catalog

Pitch/Stop	Normal Scale Range Scale	mm	Zinc	Number of Pipes Reeds	Flues
16' Trumpet	4-1/2" - 8"	114 - 203	12		
16' Trumpet 1/2L	4" - 6"	102 - 152	12		
8' Trumpet	3" - 5"	76 - 127		49 - 54	12 - 7
4' Clarion	2-3/16" - 3-7/8"	56 - 98		37 - 42	24 -19
16' Fagotto/Oboe	5"	127	12		
16' Fagotto/Oboe 1/2L	4-1/2"	114	12		
8' Oboe/Hautbois	3-1/2"	89		49	12
4' Oboe/Hautbois	2-3/4"	70		37	24
8' Capped Oboe	2-1/4"	57		49	12
4' Capped Oboe	1-3/4"	45		37	24
8' French Horn	5"	127		49	12
8' Cor Anglais	4-3/4"	121		49	12
8' English Horn	3-5/8"	92		49	12
8' Post Horn (Gottfried)	SPEC			49 - 54	12 - 7
16' Clarinet	2-1/2"	64	12		
8' Clarinet	1-1/2" - 2"	38 - 51		49	12
4' Clarinet	1-5/16" - 1-1/2"	33 - 38		37	24
8' Krummhorn	1" - 1-1/4"	25 - 32		49	12
8' Rohr Schalmey	1-1/2"	38		49	12
4' Rohr Schalmey	1-1/4"	32		37	24
8' Vox Humana	1-1/2"	38		49	12

SOME STANDARD PROGRESSIONS TO CONSIDER

Full Length

16' Trumpet, 8" scale to 5" @ 8'
16' Trumpet, 7" scale to 4" / 4.5" @ 8'
16' Trumpet, 6" scale to 3" / 3.5" / 4" @ 8'
16' Trumpet, 4.5" scale to 3.5" @ 8'
16' Faggotto, 5" scale to 3.5" @ 8'

1/2 Length or Fractional

16' Trumpet (1/2L), 6" scale to 3" / 3.5" / 4" @ 8'
16' Trumpet (1/2L), 5.5" scale to 4.5" @ 8'
16' Trumpet (1/2L), 4.5" scale to 3" / 3.5" @ 8'
16' Trumpet (1/2L), 4" scale to 3" @ 8'
16' Fagotto (1/2L), 4.5" scale to 3.5" @ 8'
16' Clarinet (F), 2.5" scale to 1.5" @ 8'

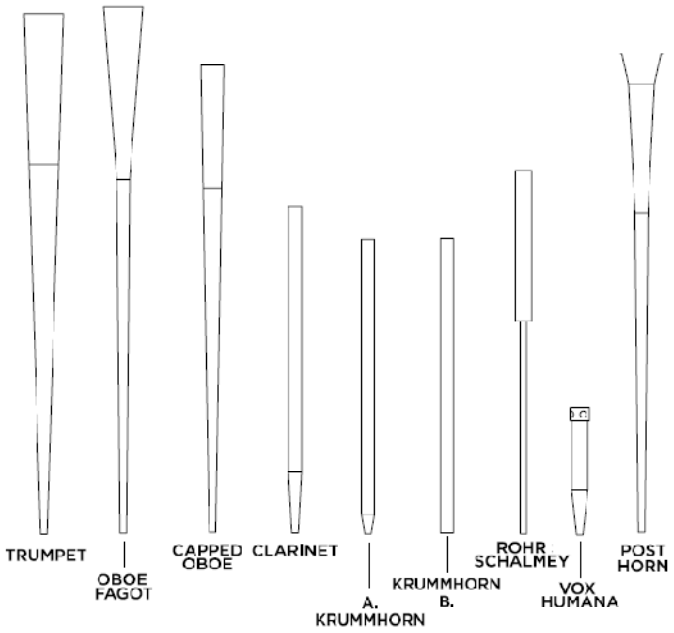
Resonator Length

Full Length reed resonators in the 16' and 8' Octaves are always preferable for complete development of sound, tonal weight, and color. When a full length or mitered full length bass is not practical, 1/2L resonators are an option for brighter chorus reeds such as Trumpet, Trompette, Posaune, Fagotto and Oboe Stops.

Harmonic Length

Harmonic Length reed resonators (double length) are employed to strengthen the fundamental overtones of the treble range of chorus reeds. Recommended 3" or higher wind pressure. Normal Harmonic Break 1' F# (43)

Standard Resonator Forms



Base Assembly OSI Standard Construction

Blocks: All reed blocks are stepped style for added shallot support.
Wires: Made from spring temper phosphor bronze.
Wedges: Made from rock maple and individually fitted to block & shallot. (Brass Wedges Available on Special Request)
Tongues: Made from Reed Brass, appropriate thickness determined by wind pressure and sound timbre.
Ferrules (Sockets): Provided on all 16' and 8' Octaves of full length and 16' 1/2L reeds for ease of service.
Boots: Tapered Zinc Boots with lead toes provide maximum stability and support of reed block and resonator.

Average Pipe Weights - Crated	LBS
16' Trumpet 1-12 Full Length	365
16' Trumpet 1-12 1/2 Length	241
8' Trumpet 1-61	375
8' Oboe 1-61	352
8' Clarinet 1-61	135