

Hornresp flowchart

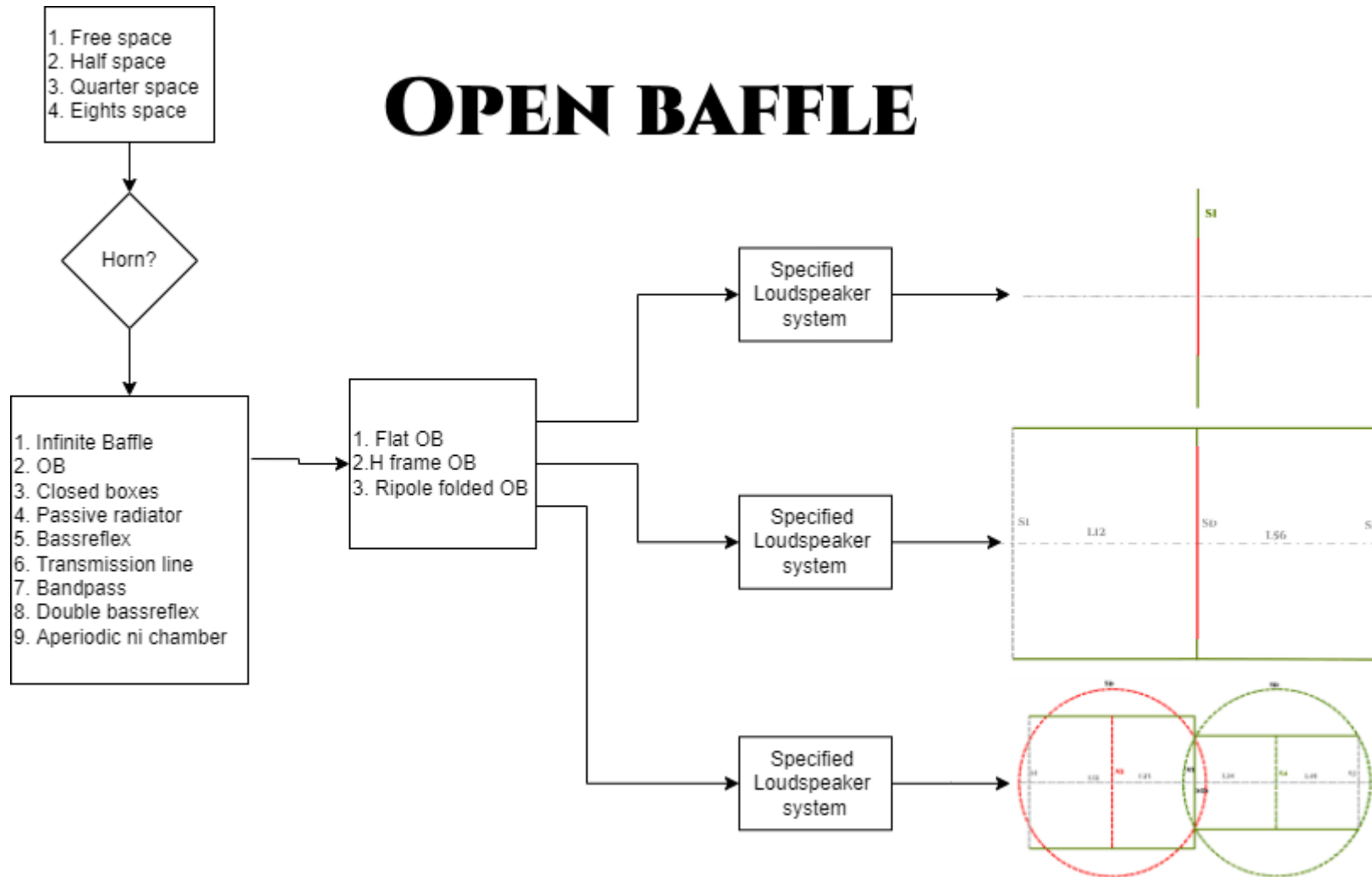


Harald Karlsson

Open Baffle	4	Oblate Spheroidal	31
Closed Boxes	5	Parabolic	32
Passive Radiator	6	Radius	33
Bassreflex	7	Spherical wave	34
Transmission Line	8-9	Tracktrix	35
Bandpass	10	Offset Horn	36-38
Double Bassreflex	11	Tapped Horn	39-41
Aperiodic Bi Chamber	12	Compound Horn	42-44
Frontloaded Horn	13-14	Paraflex Horn	45
Bessel	15	Stubbed Horn	46-48
Conical	16		
Exponential	17		
Hyperbolic	18		
Le Clèac'h	19		
Oblate Spheroidal	20		
Parabolic	21		
Radius	22		
Spherical Wave	23		
Tracktrix	24		
Backloaded Horn	25		
Bessel	26		
Conical	27		
Exponential	28		
Hyperbolic	29		
Le Clèac'h	30		



OPEN BAFFLE



1. Free space
2. Half space
3. Quarter space
4. Eights space

Closed boxes

Horn?

1. Infinite Baffle
2. OB
3. Closed boxes
4. Passive radiator
5. Bassreflex
6. Transmission line
7. Bandpass
8. Double bassreflex
9. Aperiodic ni chamber

1. Normal
2. Offset driver
3. Offset driver & stub

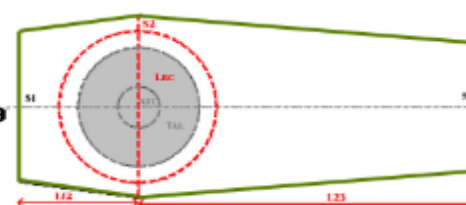
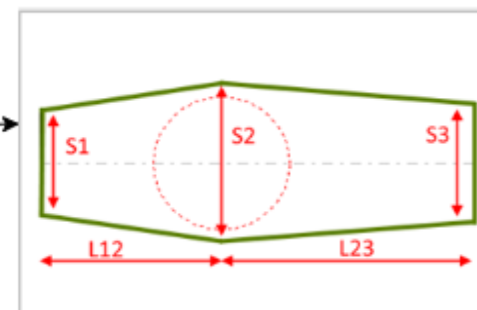
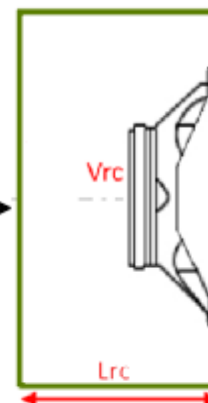
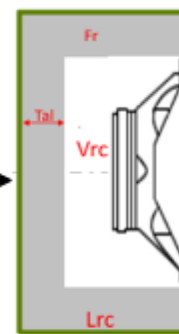
Acoustic lining?

Specified
Loudspeaker
system

Specified
Loudspeaker
system

Specified
Loudspeaker
system

Specified
Loudspeaker
system



1. Free space
2. Half space
3. Quarter space
4. Eights space

PASSIVE RADIATOR

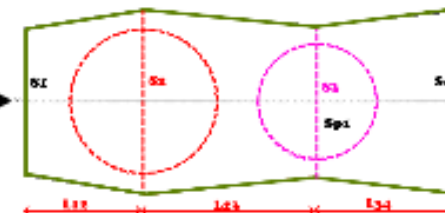
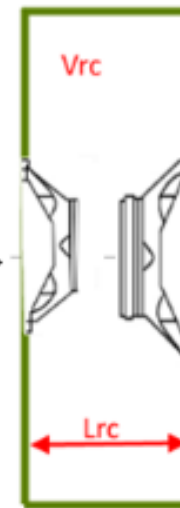
Horn?

1. Infinite Baffle
2. Flat OB
3. H or U OB
4. Closed boxes
5. Passive radiator
6. Bassreflex
7. Transmission line
8. Bandpass
9. Double bassreflex
10. Aperiodic ni chamber

1. Normal
2. Offset driver

Specified
Loudspeaker
system

Specified
Loudspeaker
system



1. Free space
2. Half space
3. Quarter space
4. Eights space

Horn?

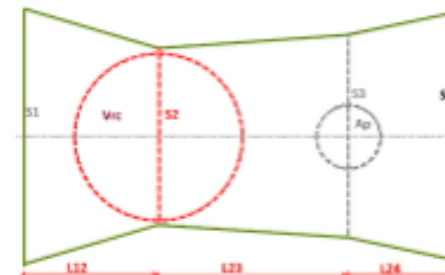
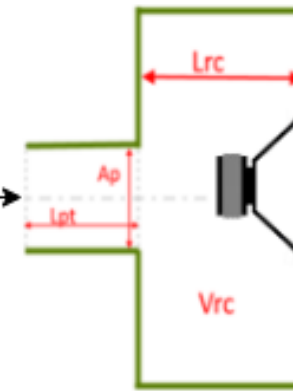
BASSREFLEX

1. Infinite Baffle
2. Flat OB
3. H or U OB
4. Closed boxes
5. Passive radiator
6. Bassreflex
7. Transmission line
8. Bandpass
9. Double bassreflex
10. Aperiodic ni chamber

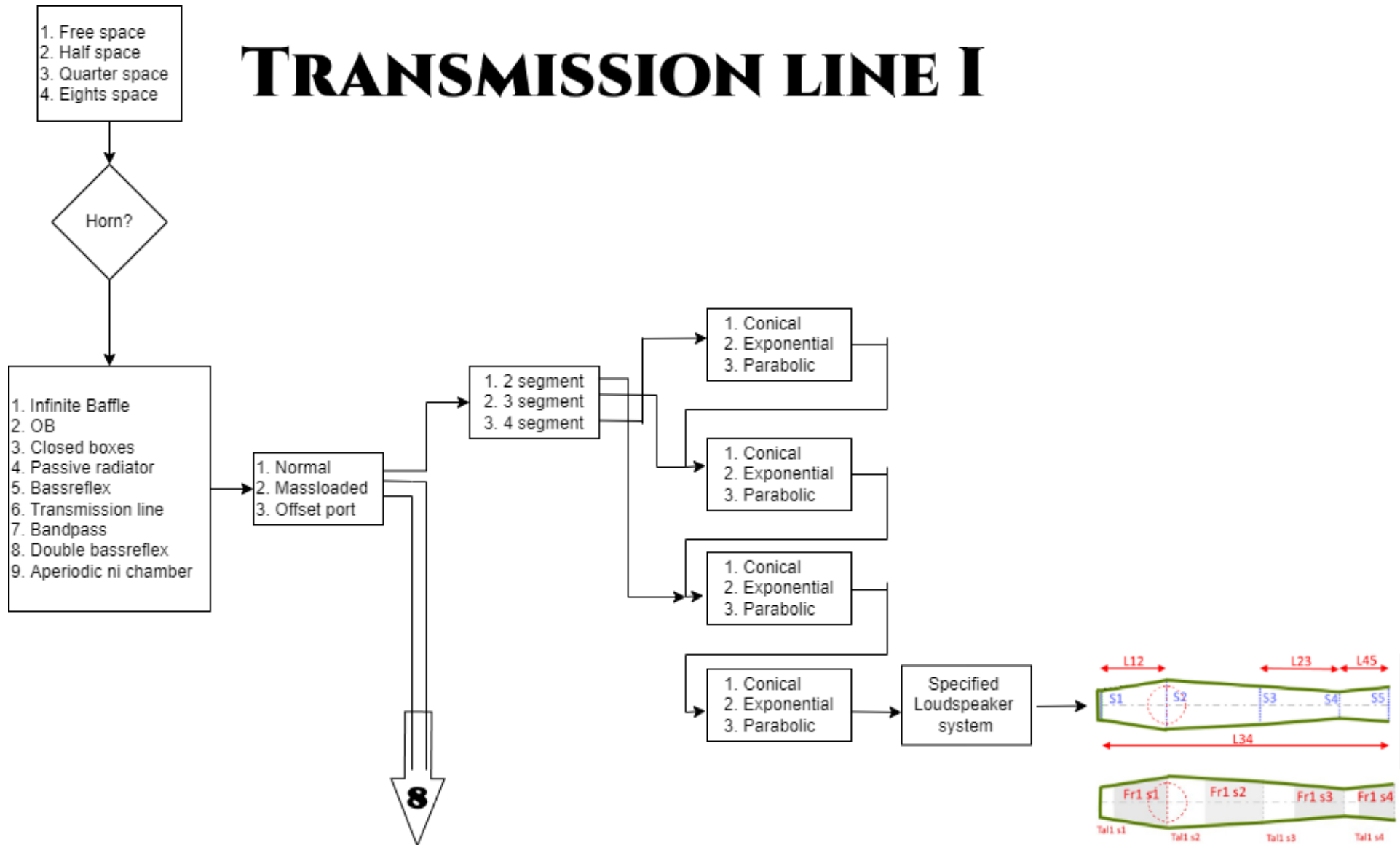
1. Normal
2. Offset driver

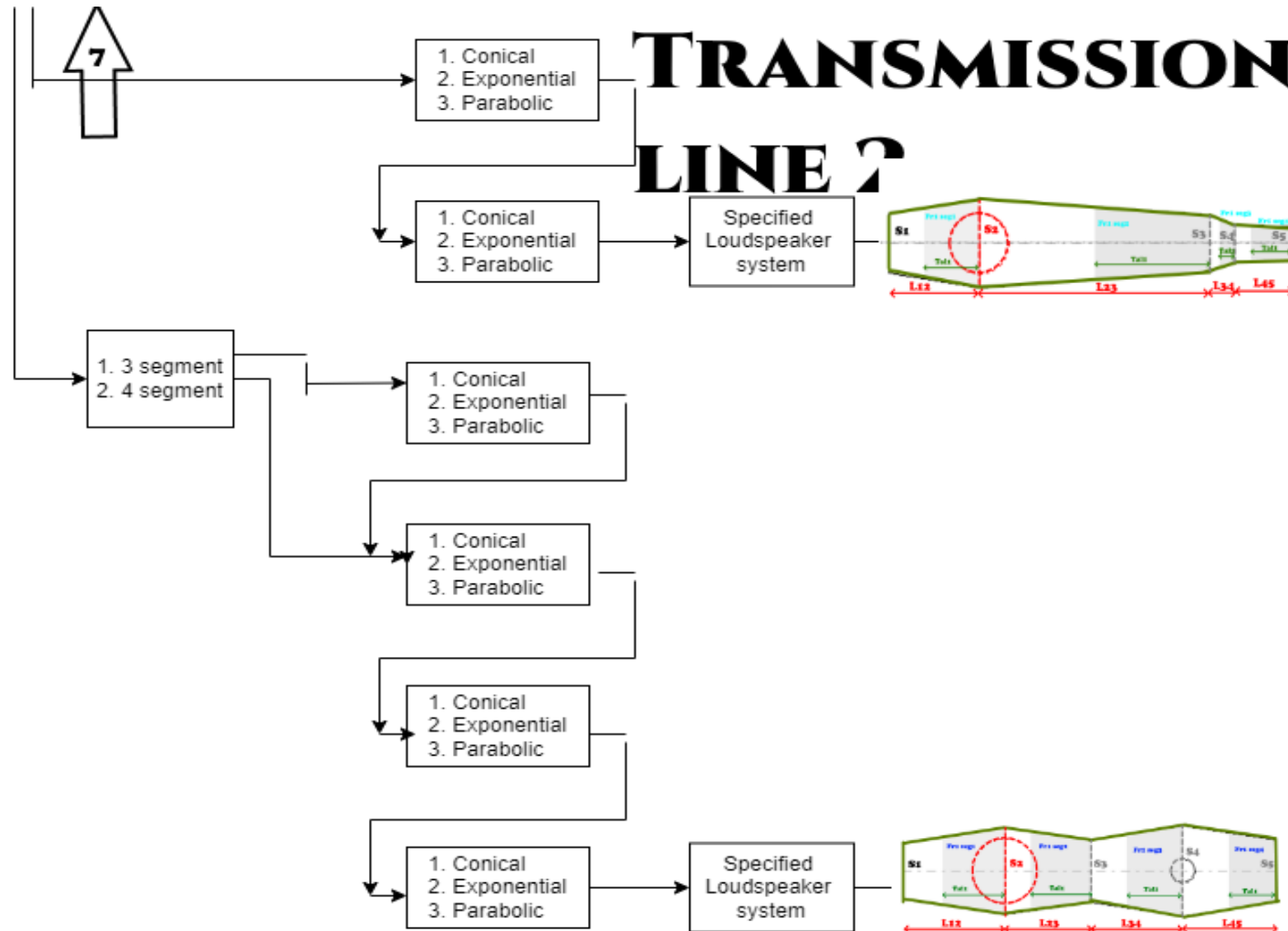
Specified
Loudspeaker
system

Specified
Loudspeaker
system



TRANSMISSION LINE I





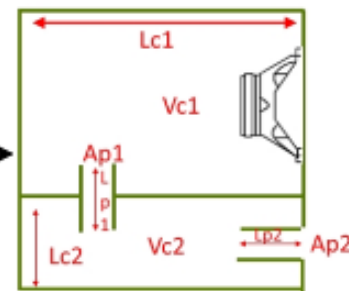
1. Free space
2. Half space
3. Quarter space
4. Eights space

Horn?

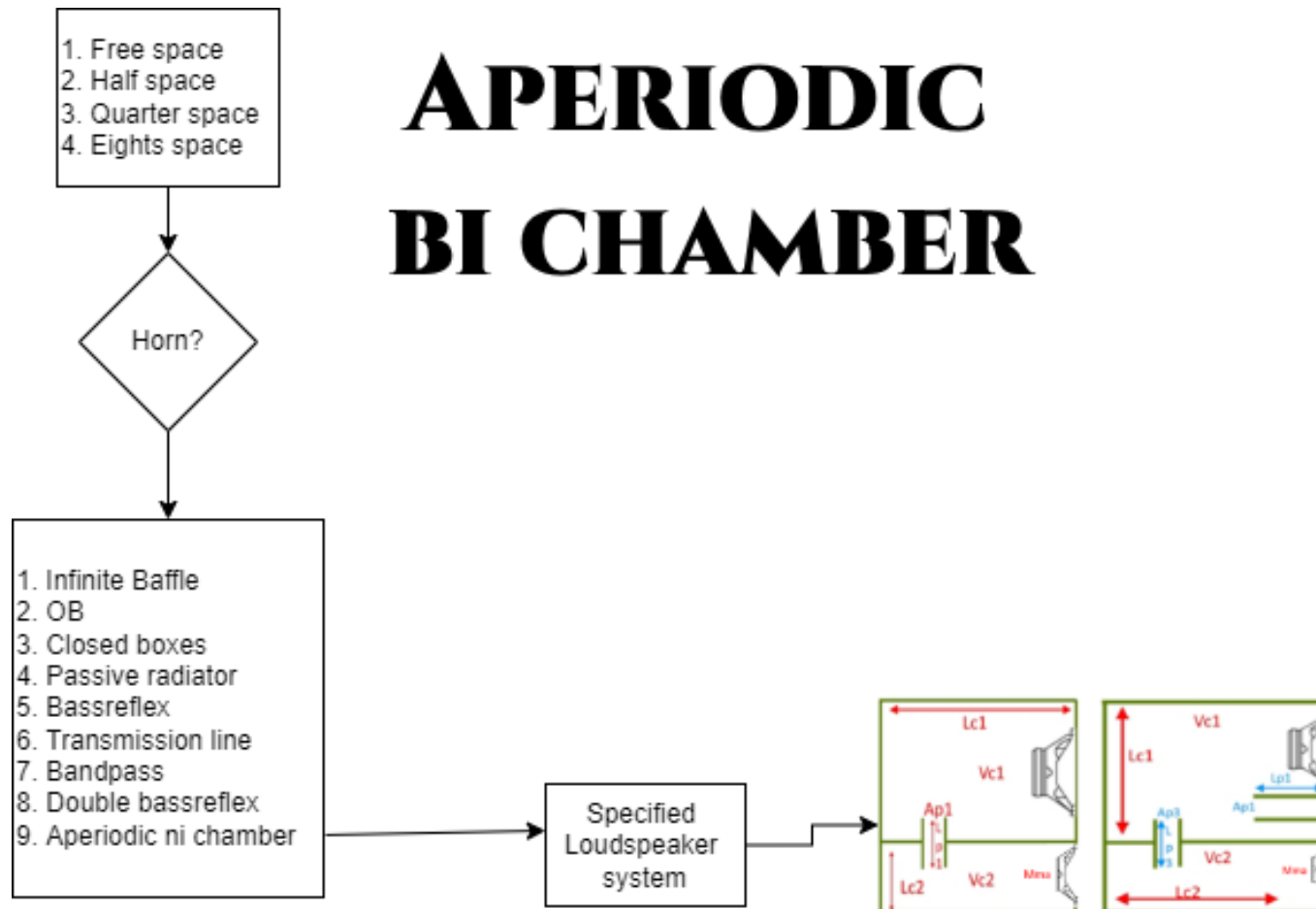
1. Infinite Baffle
2. OB
3. Closed boxes
4. Passive radiator
5. Bassreflex
6. Transmission line
7. Bandpass
8. Double bassreflex
9. Aperiodic ni chamber

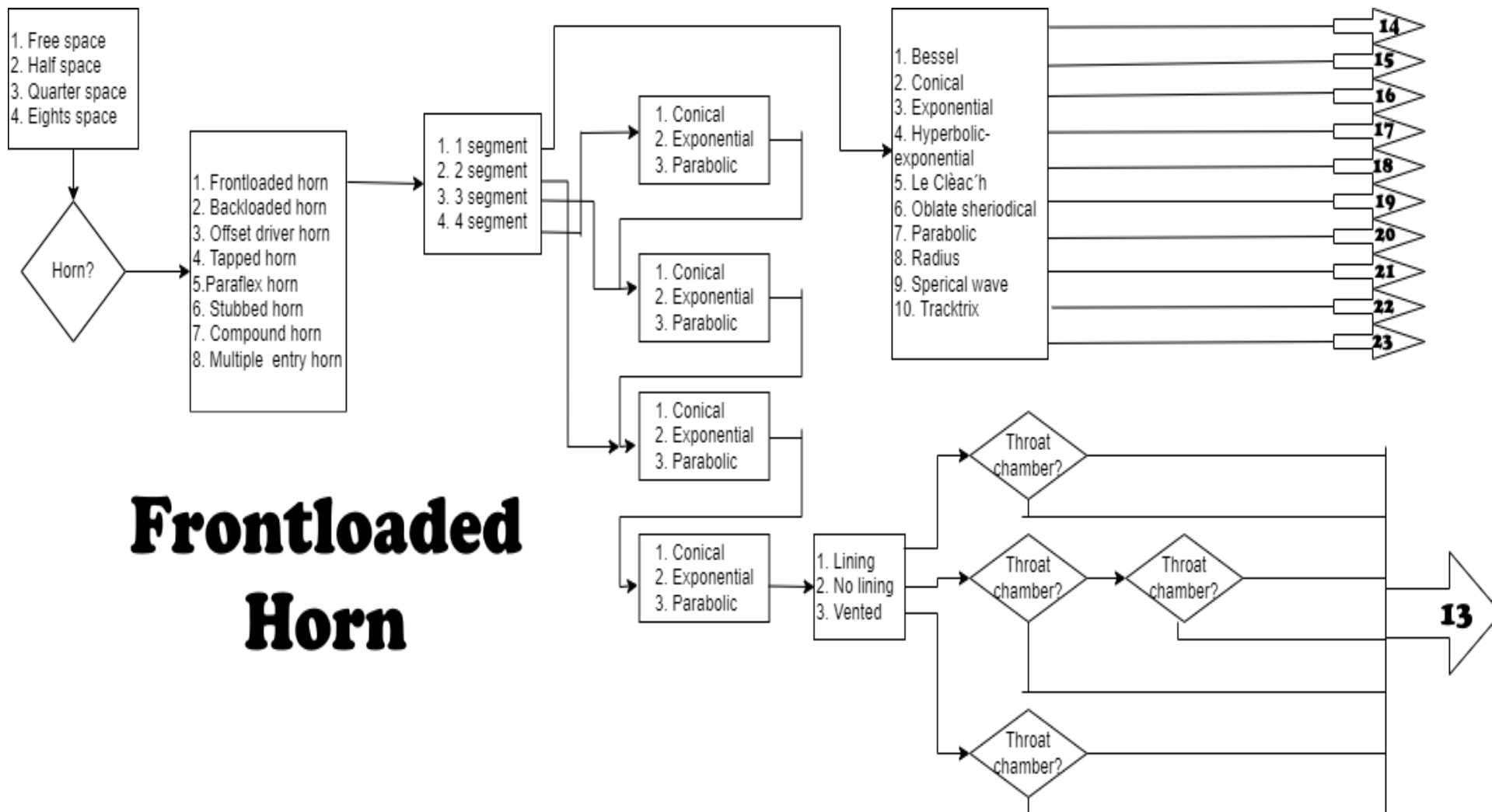
DOUBLE BASSREFLEX

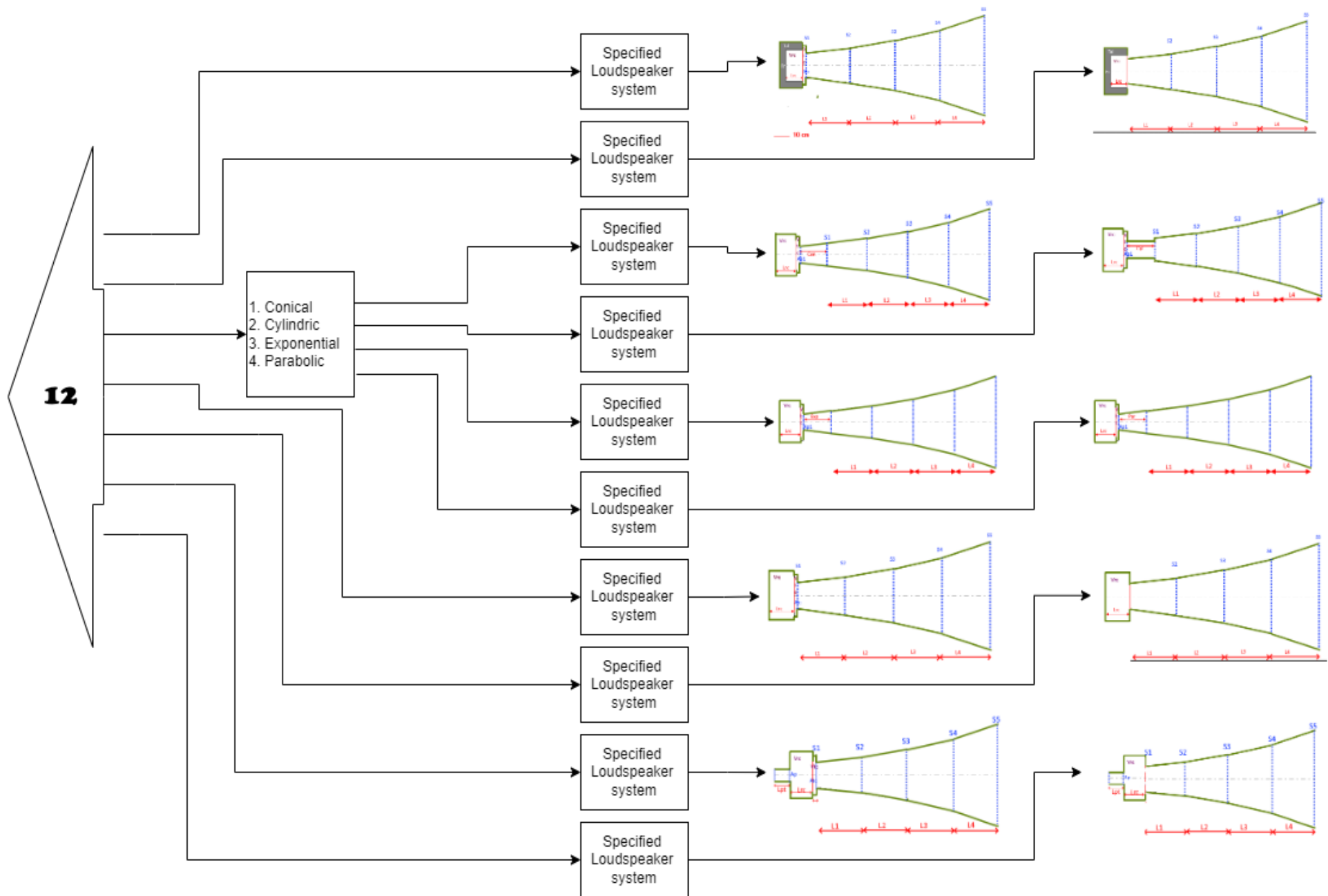
Specified
Loudspeaker
system



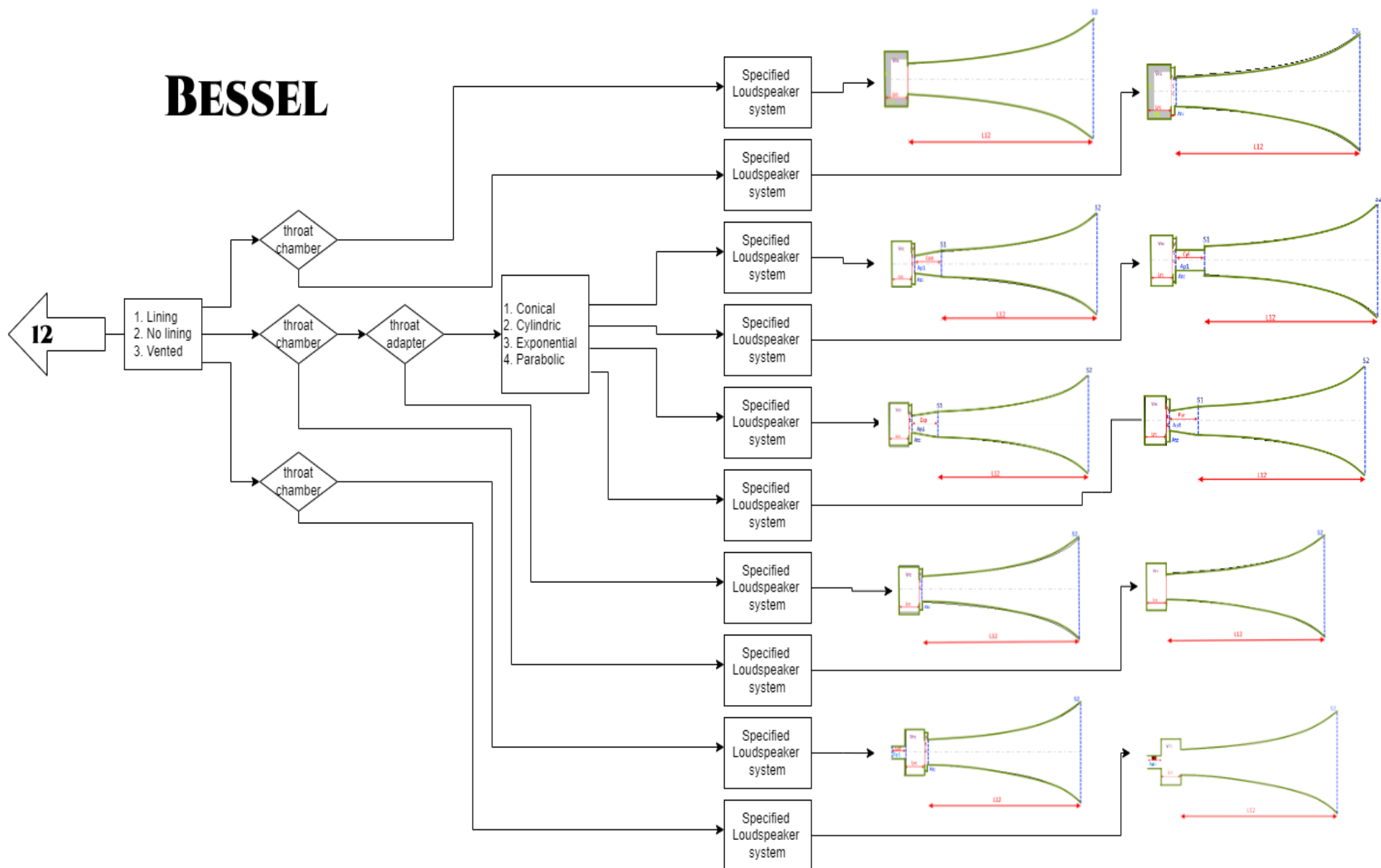
APERIODIC BI CHAMBER







BESSEL



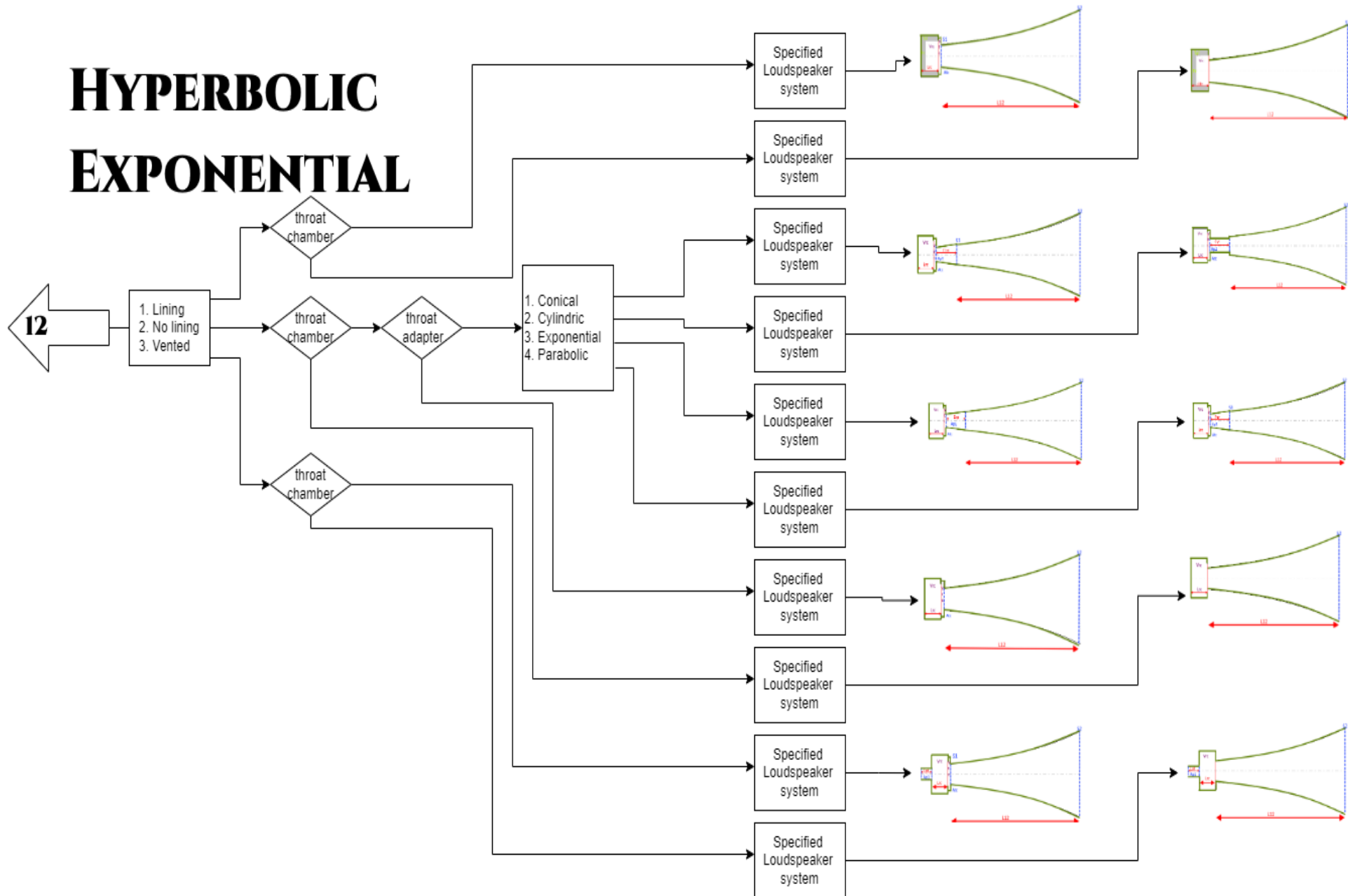
12



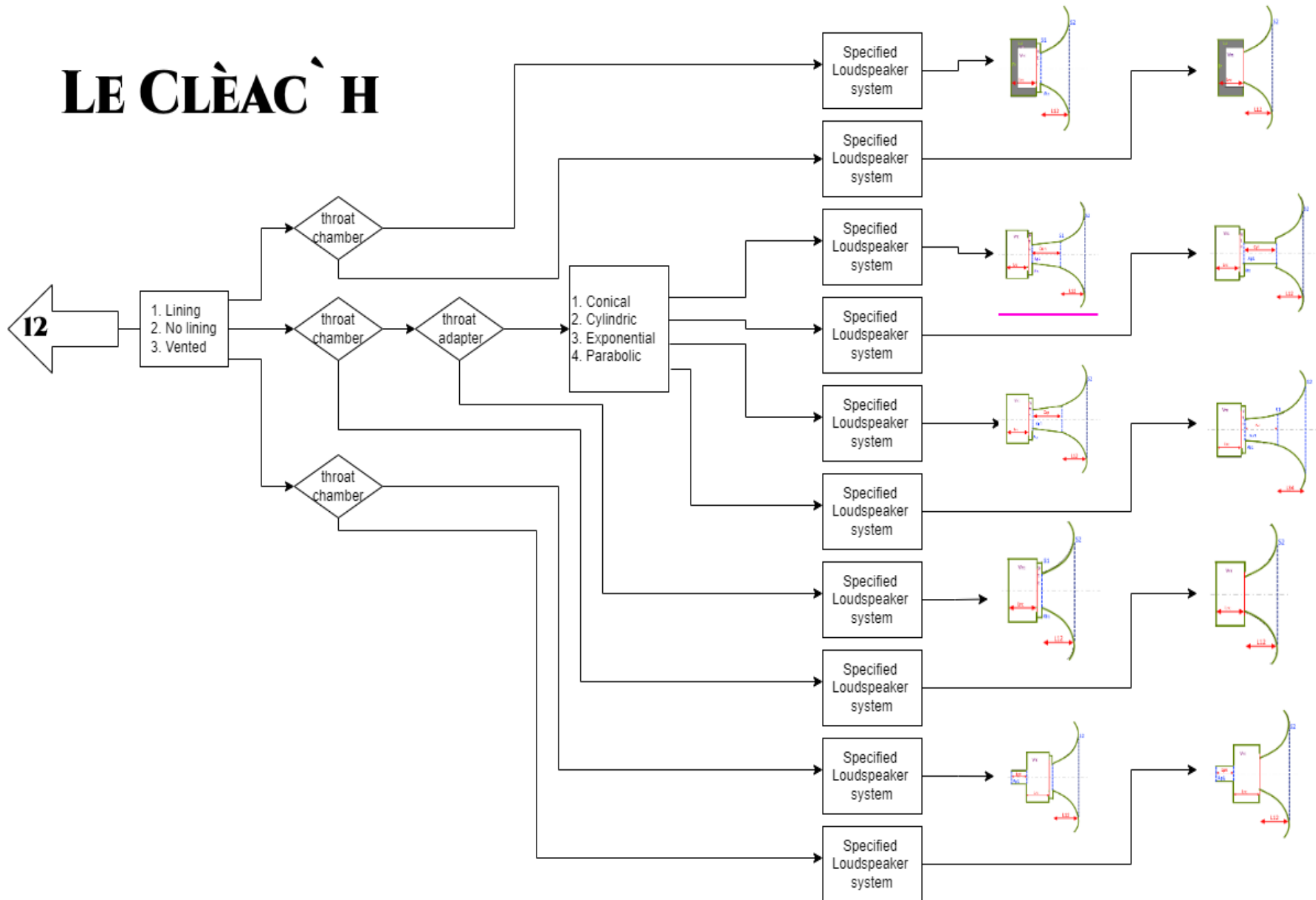
12



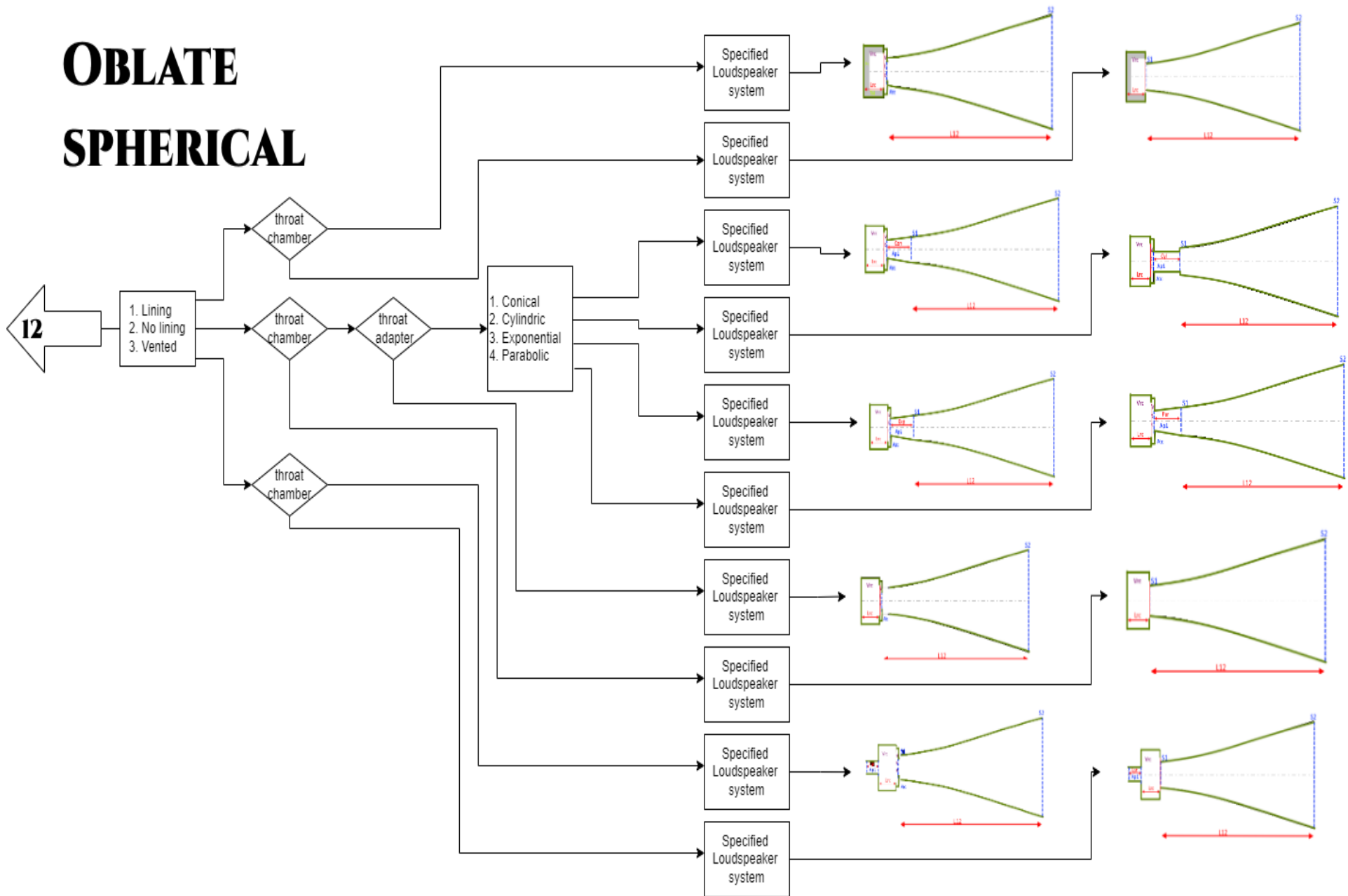
HYPERBOLIC EXPONENTIAL



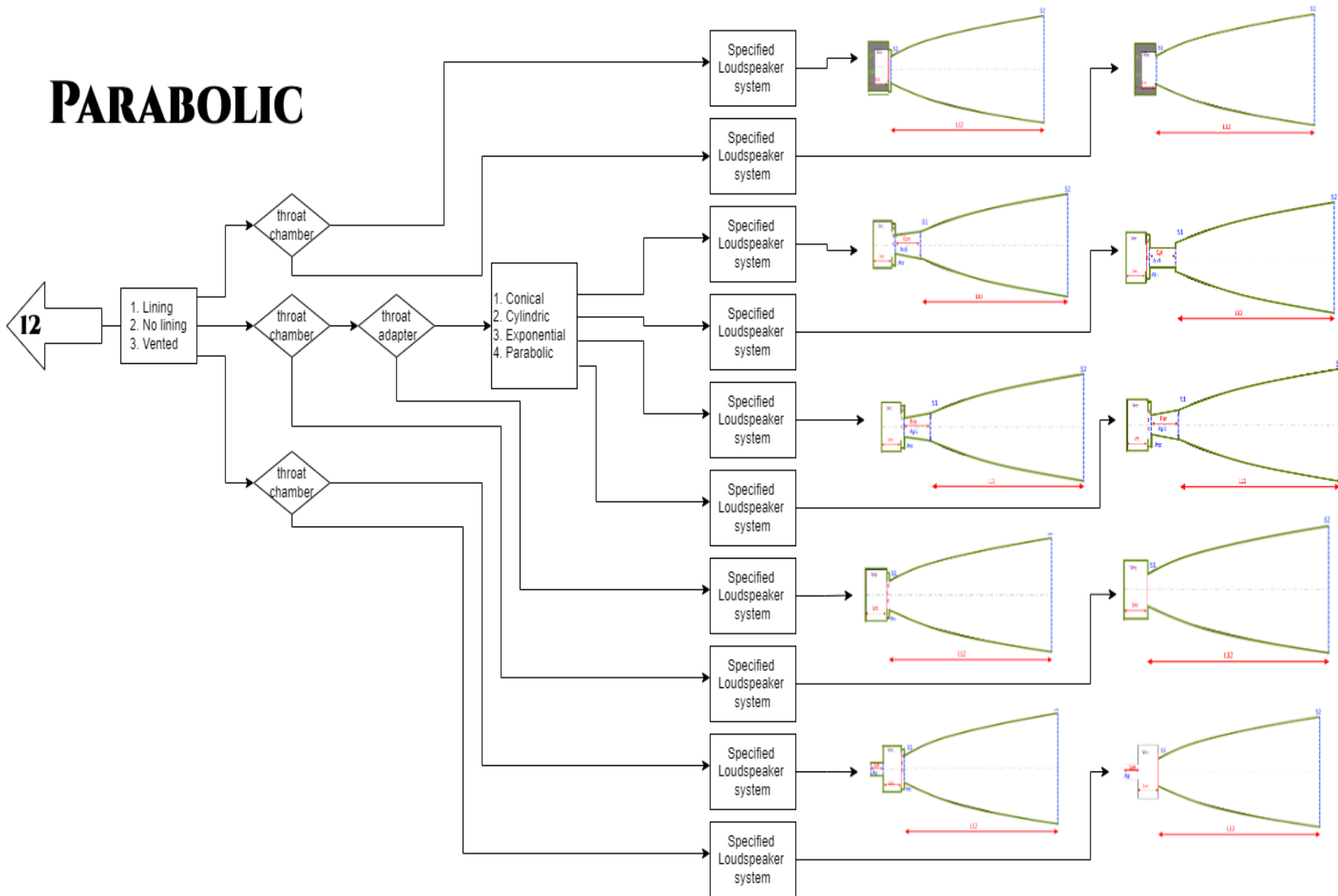
LE CLÈAC' H



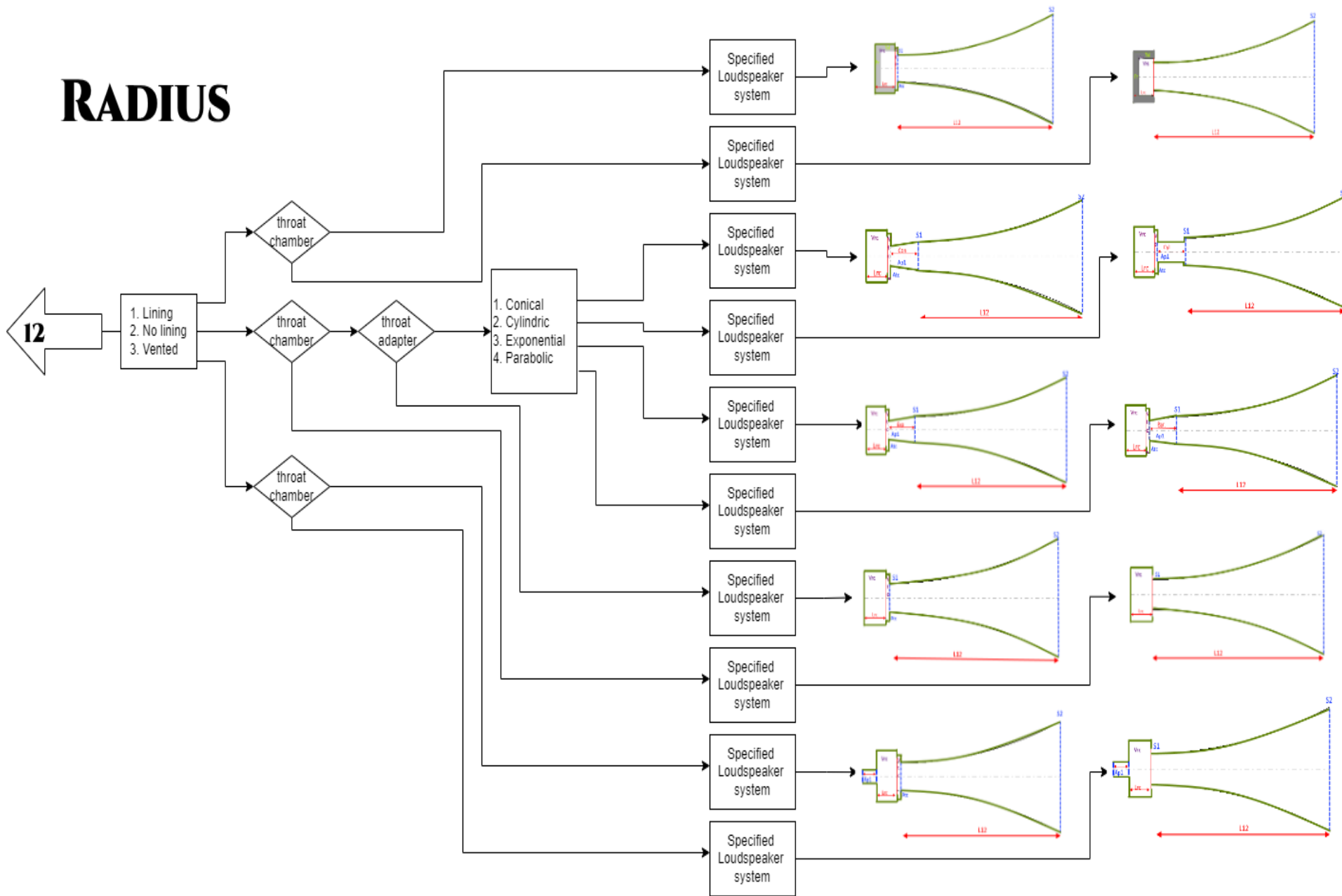
OBLATE SPHERICAL



PARABOLIC



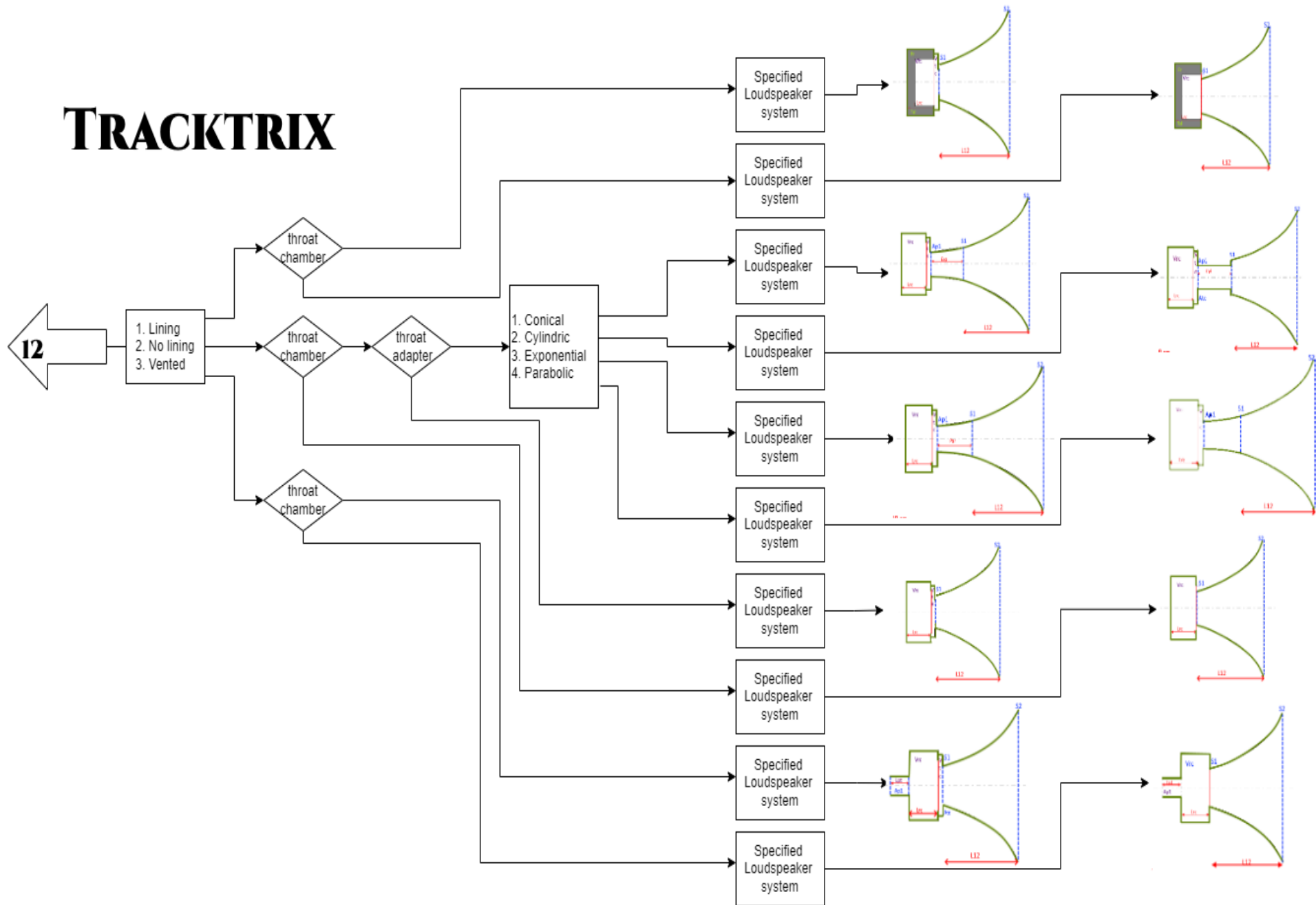
RADIUS



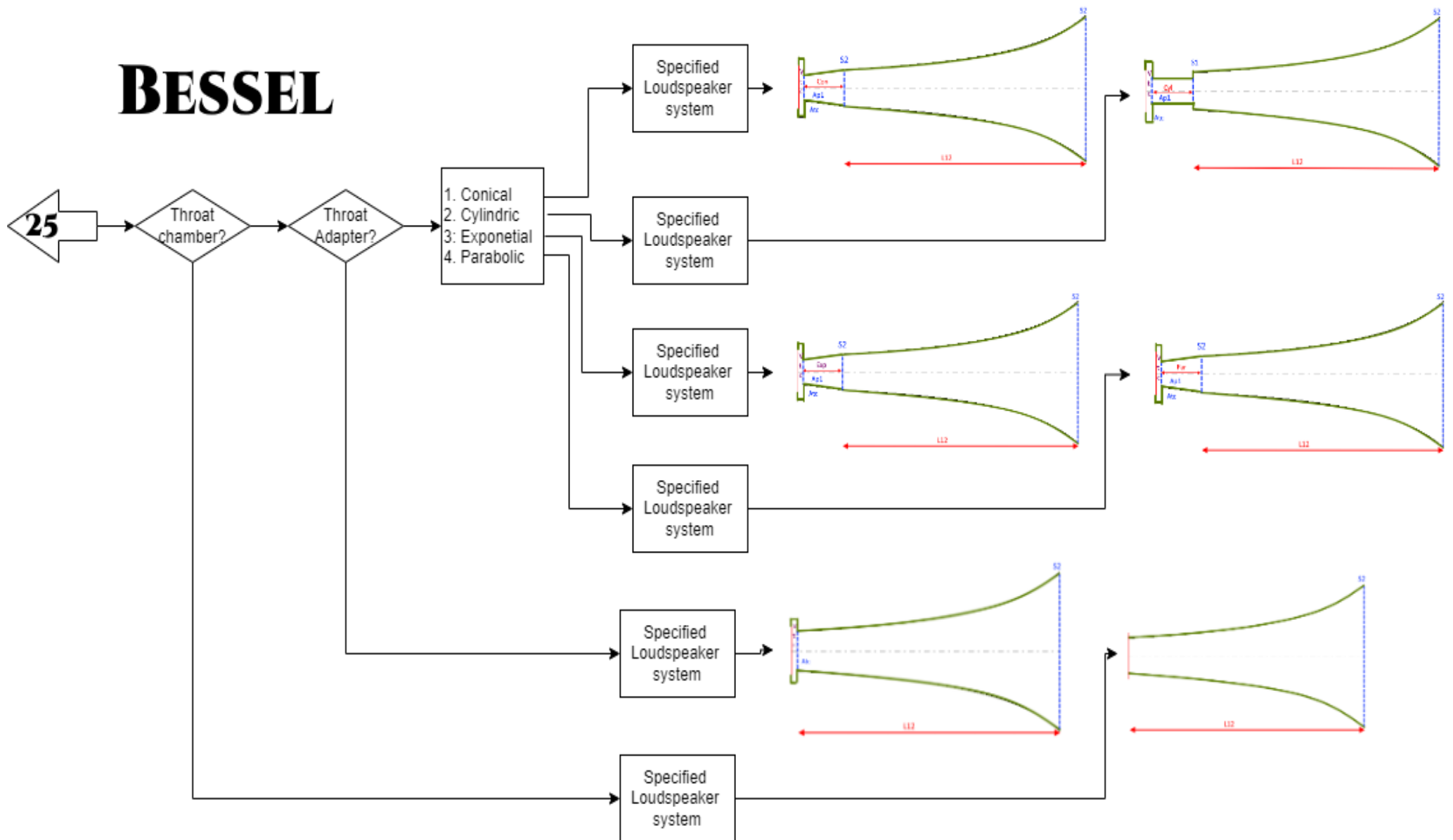
12



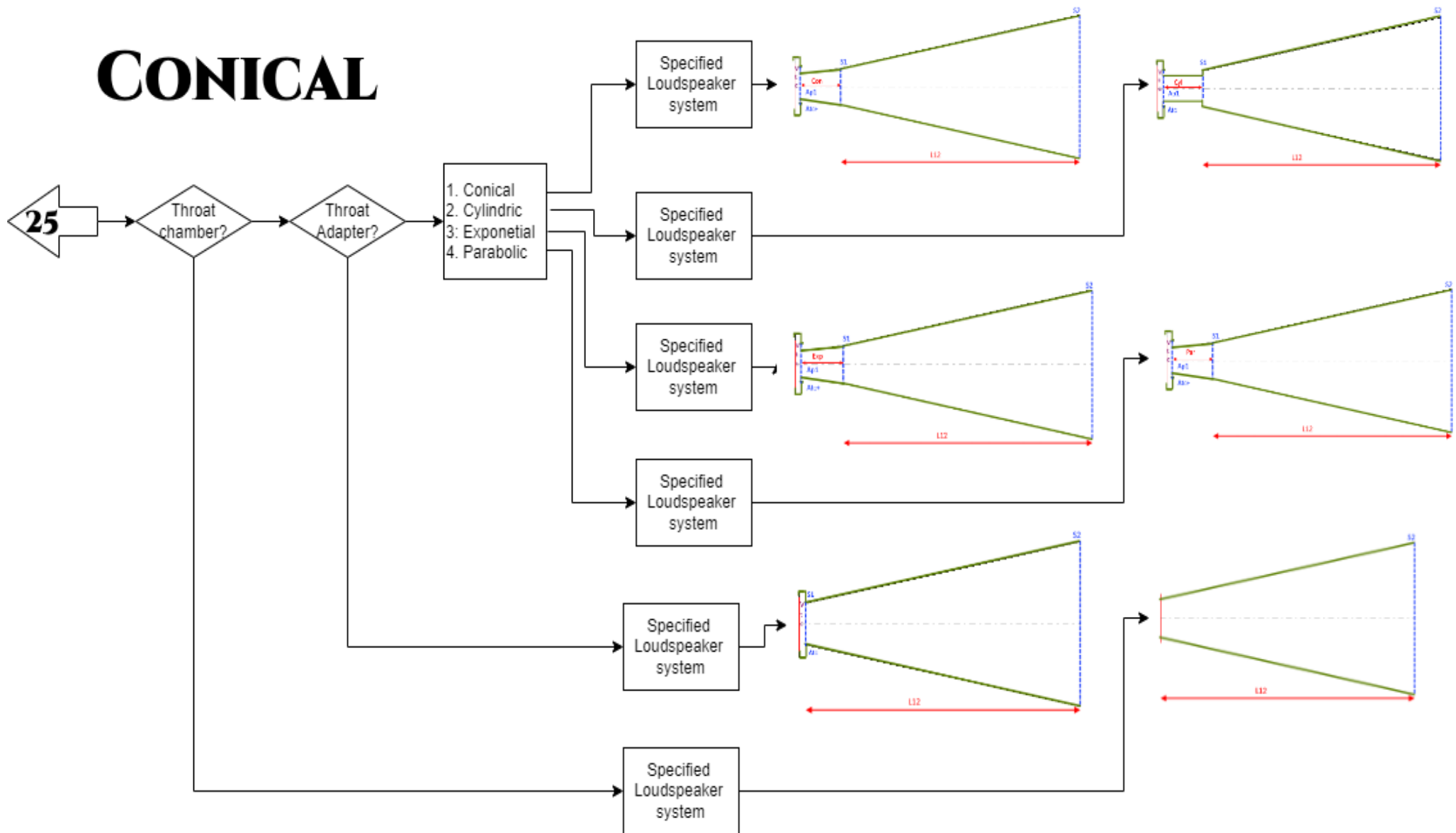
TRACKTRIX



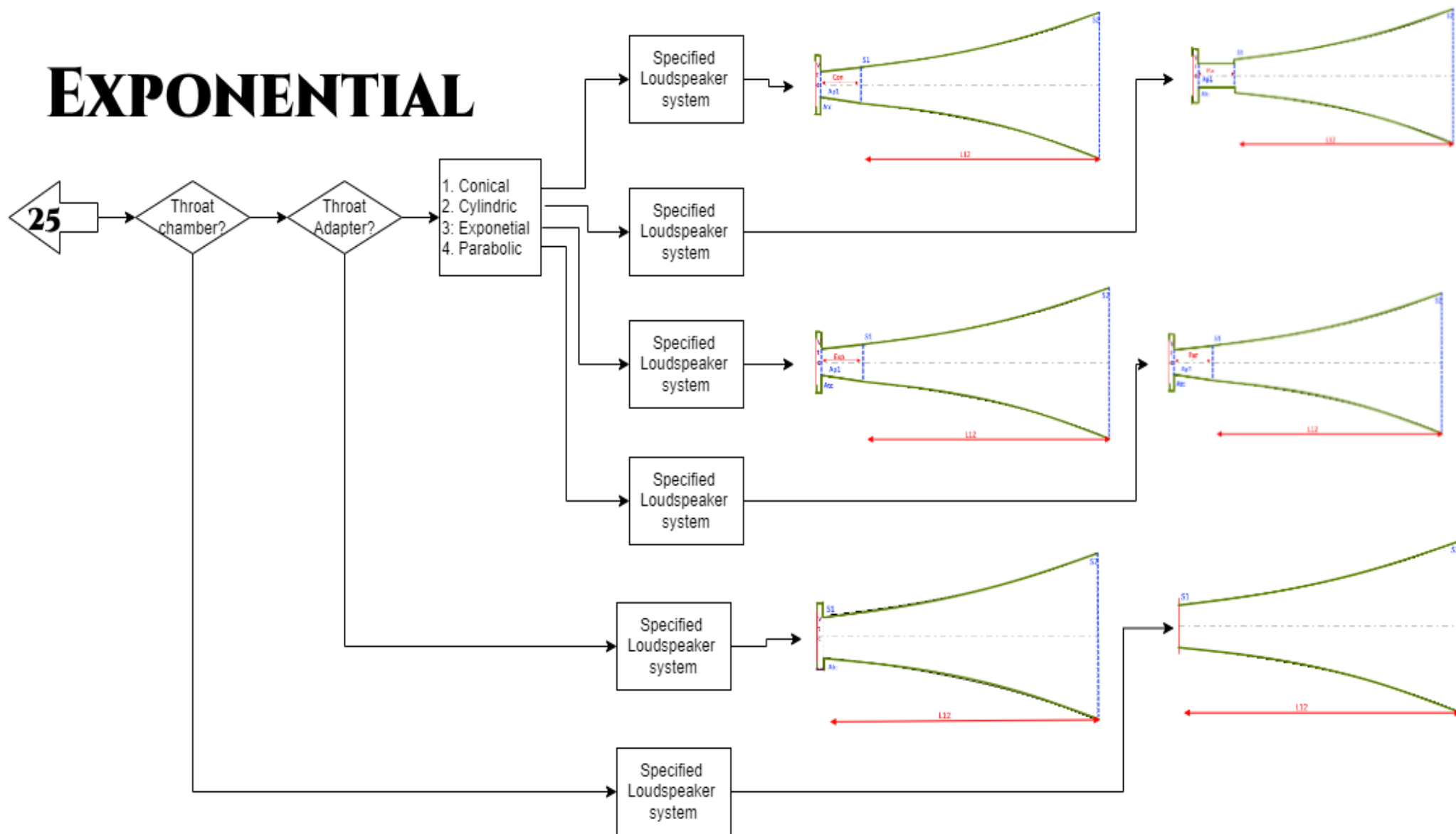
BESSEL



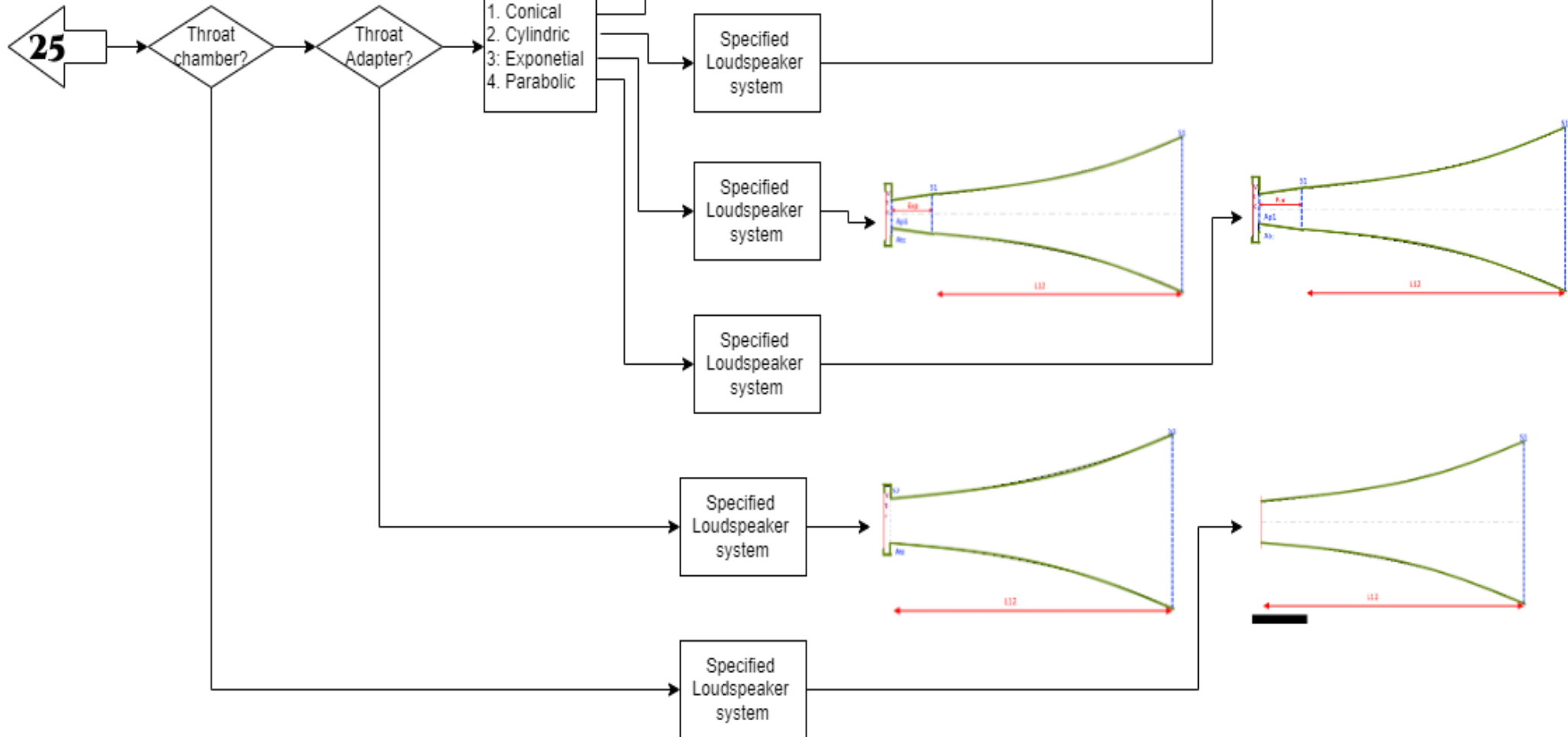
CONICAL



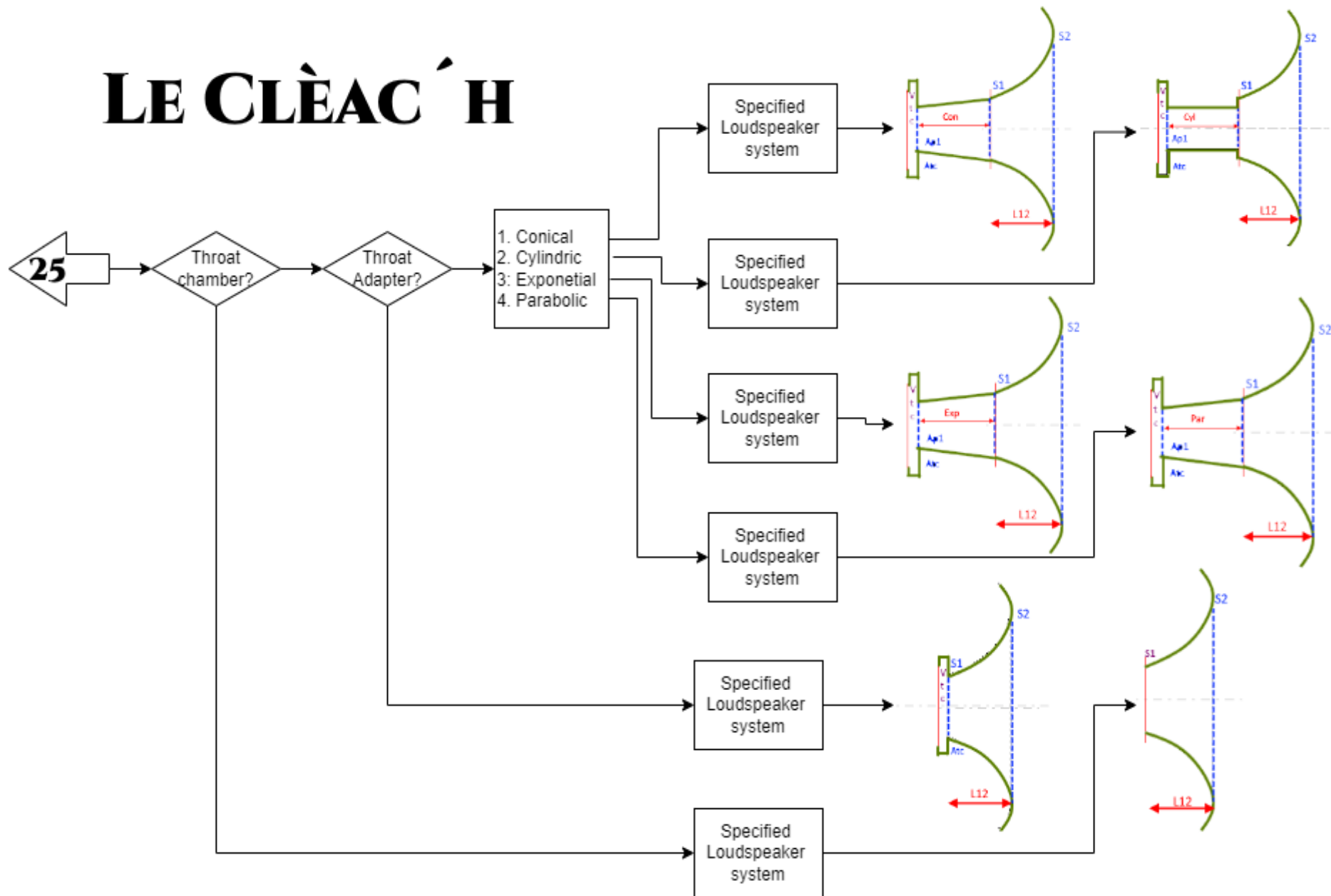
EXPONENTIAL



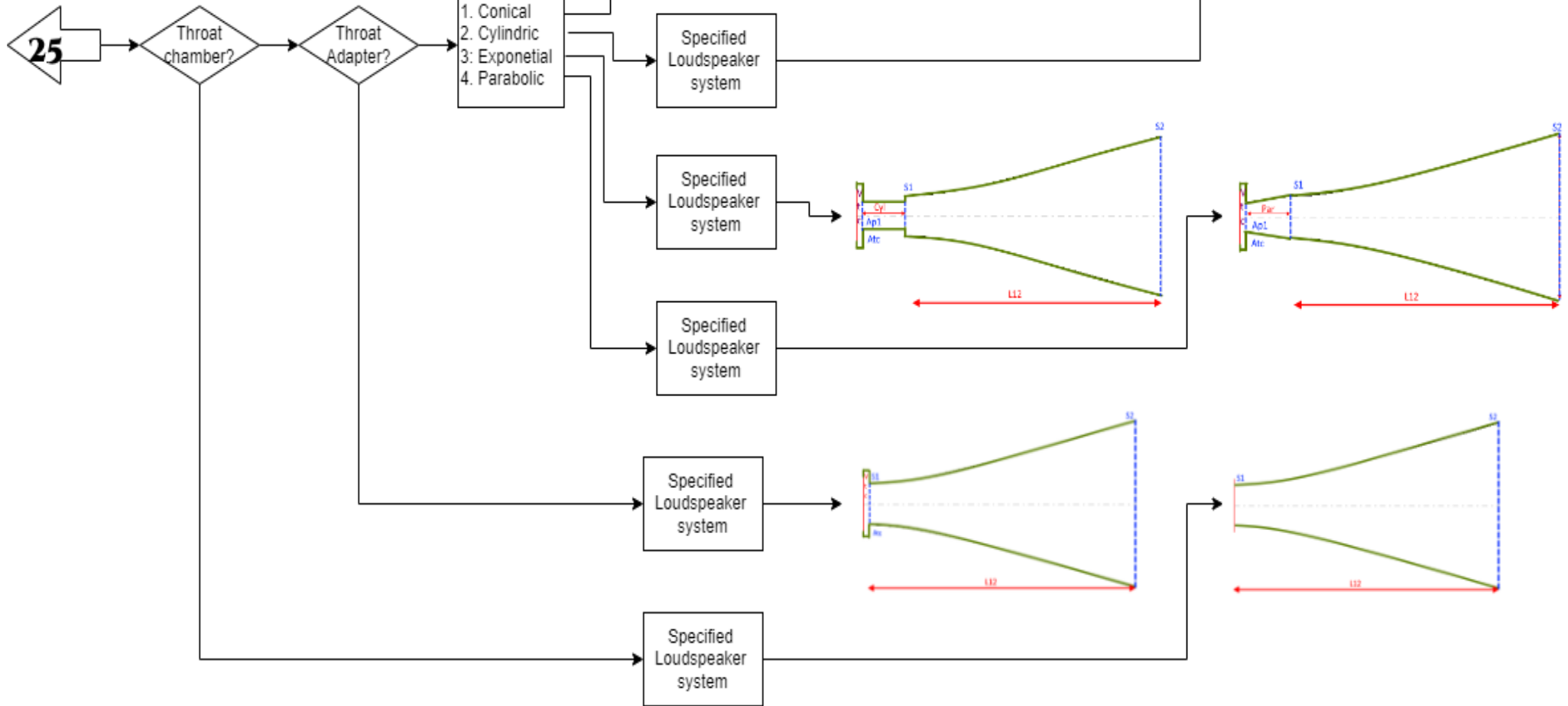
HYPERBOLIC- EXPONENTIAL



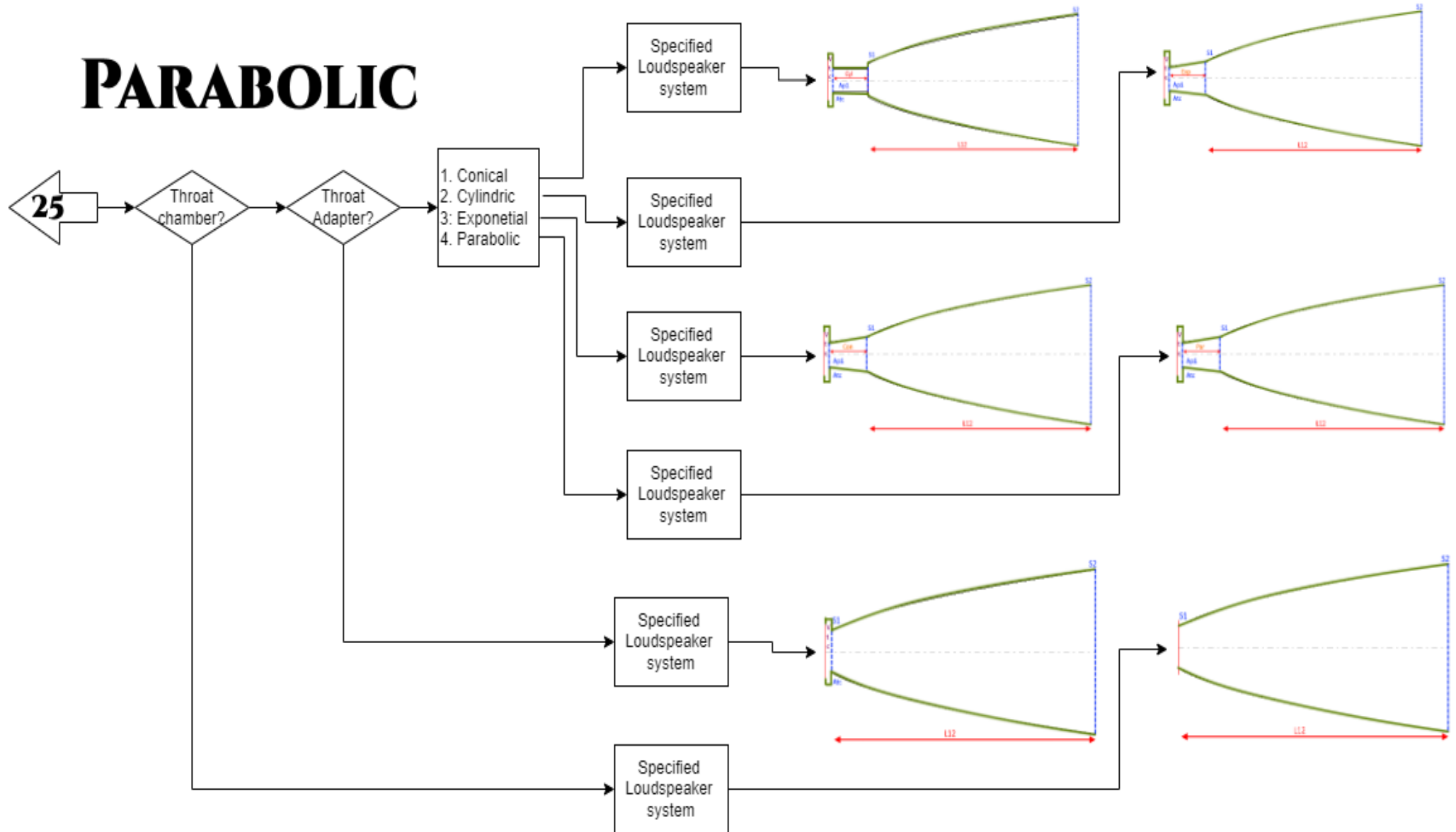
LE CLÈAC' H



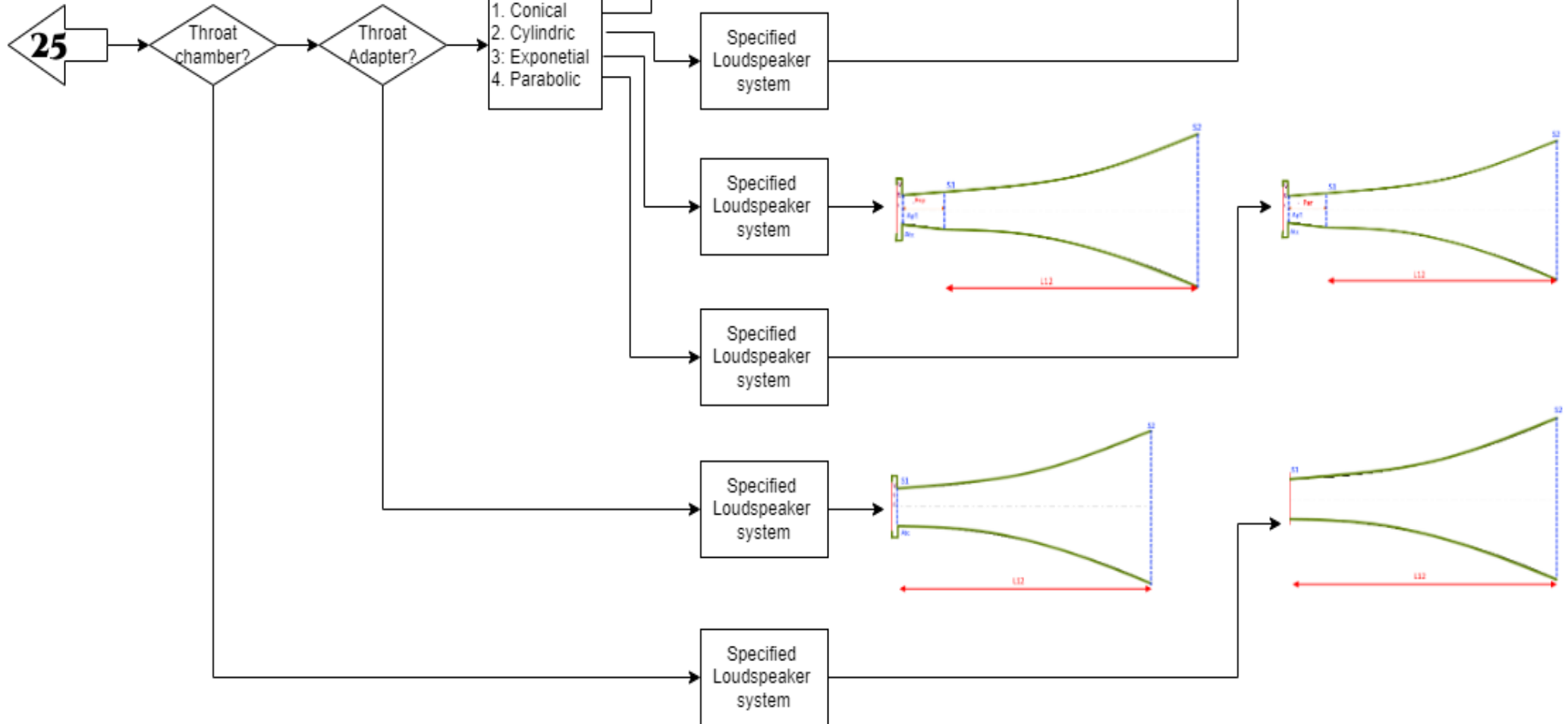
OBLATE SPHERIODICAL



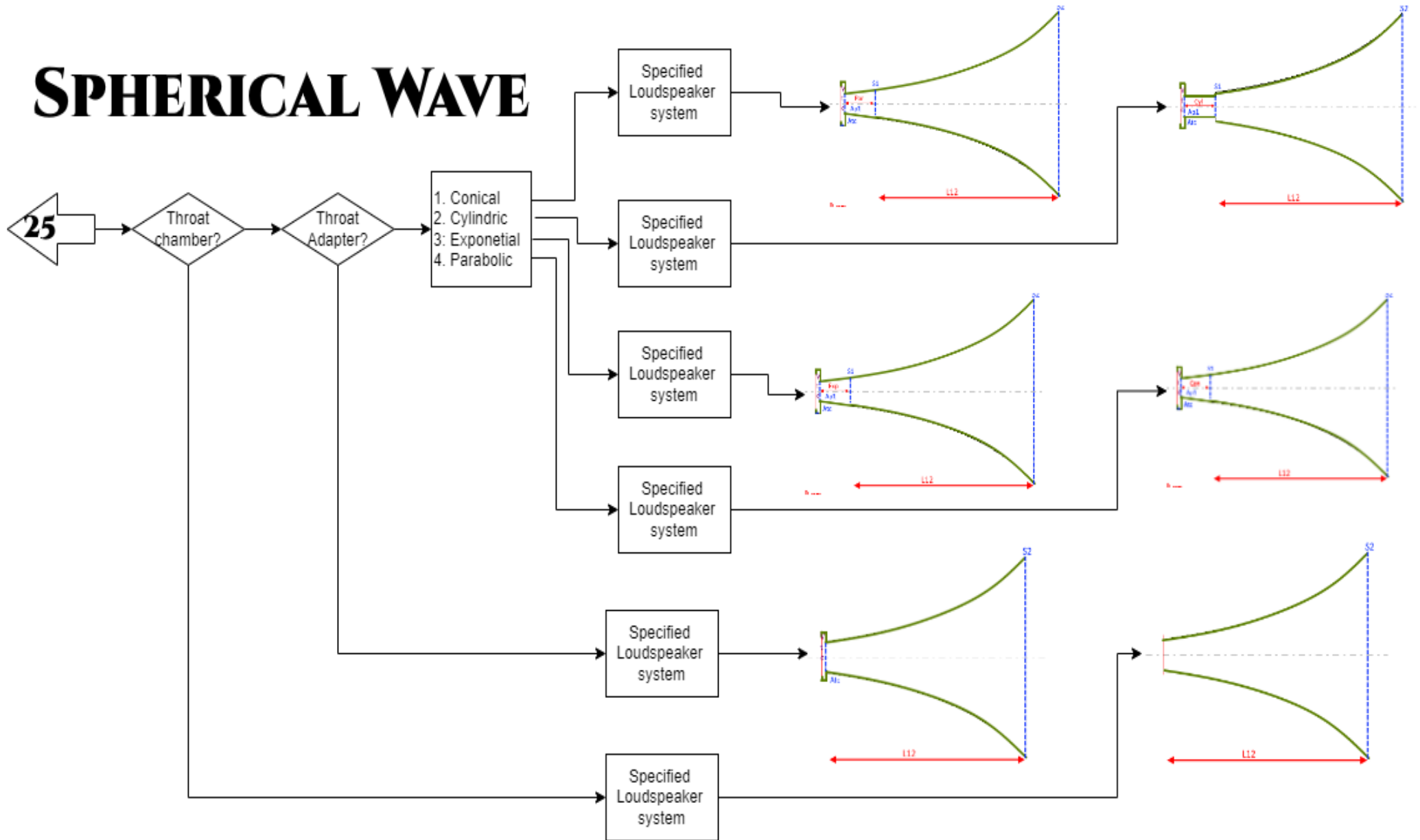
PARABOLIC



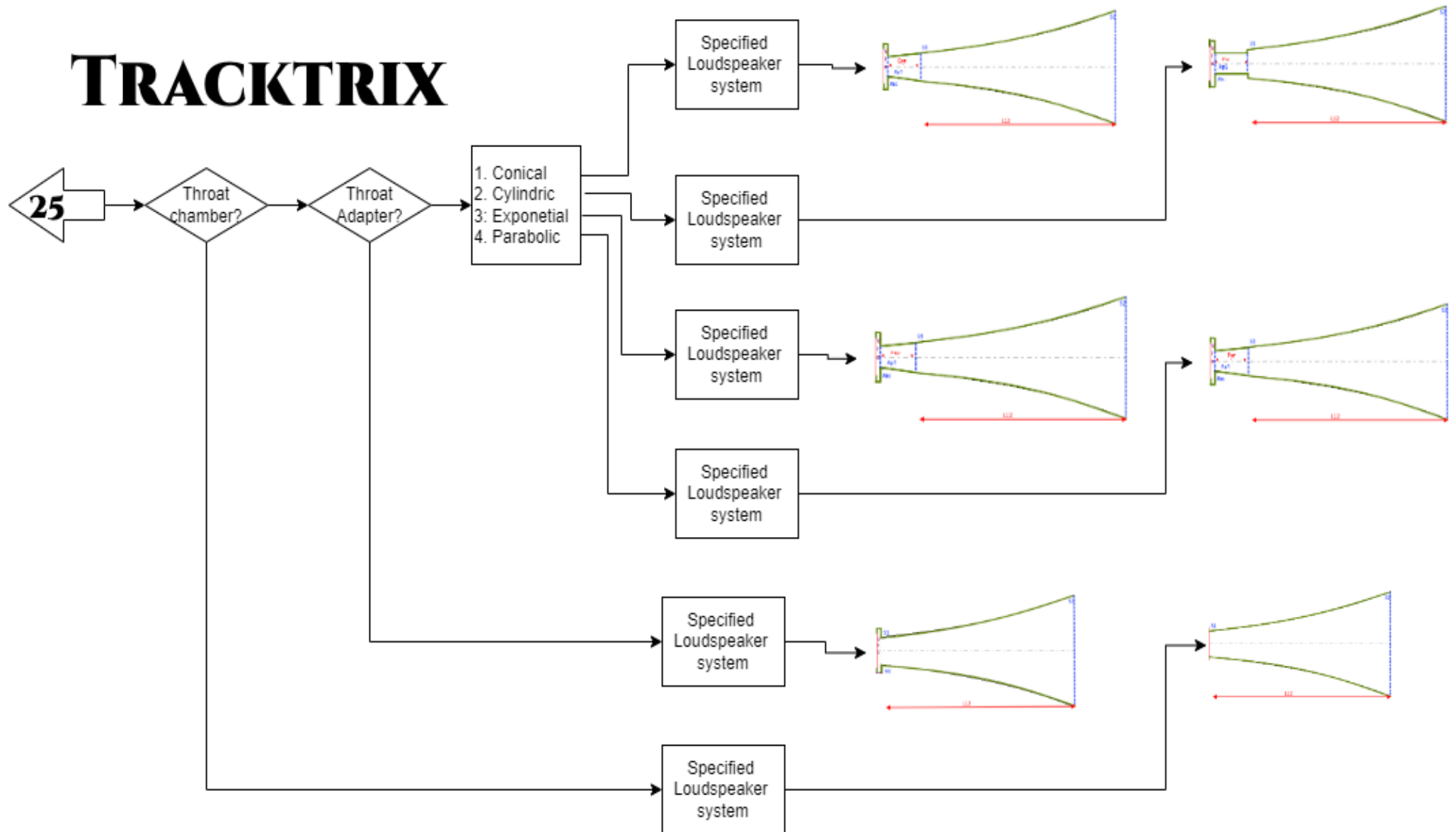
RADIUS

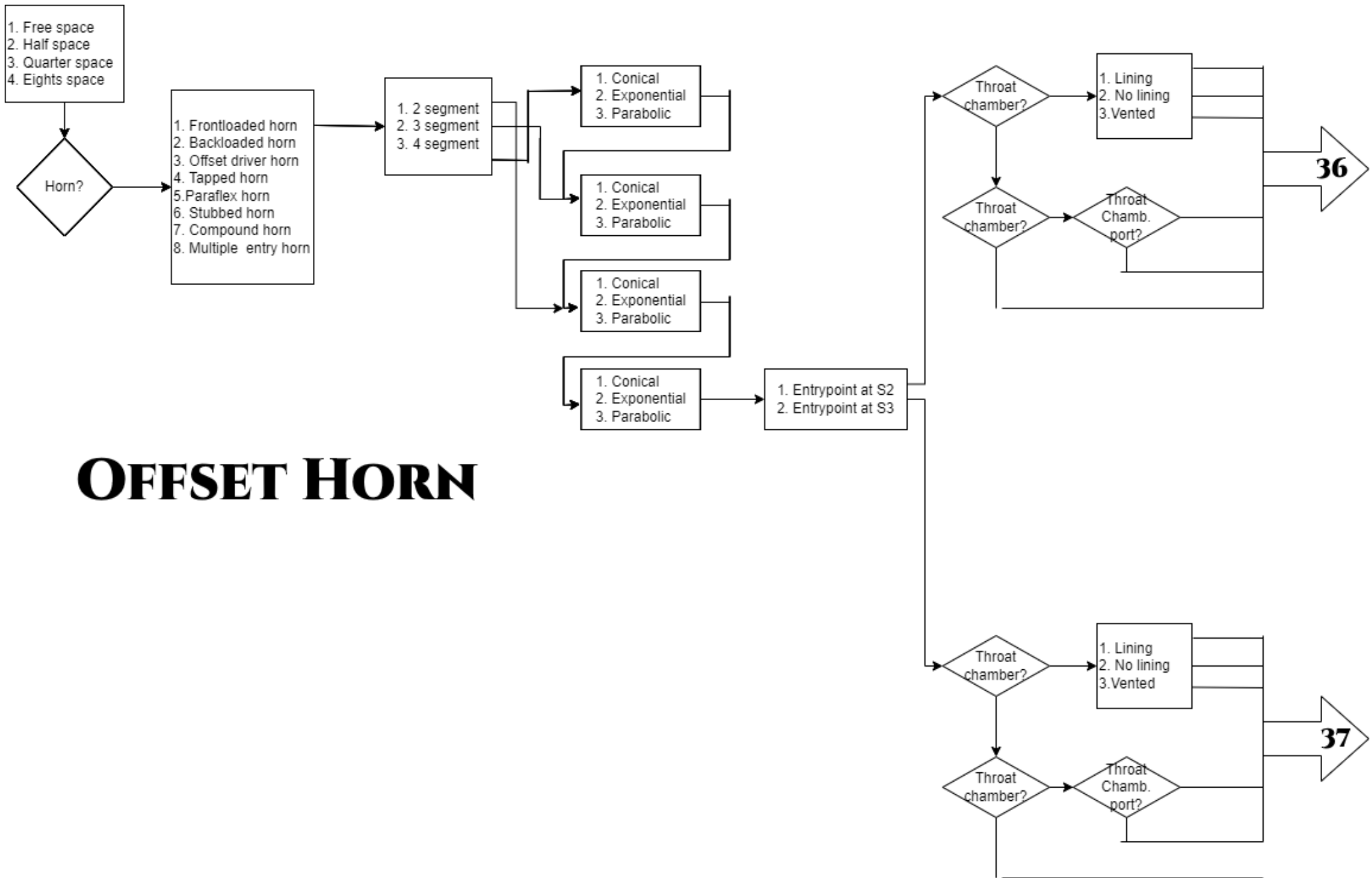


SPHERICAL WAVE



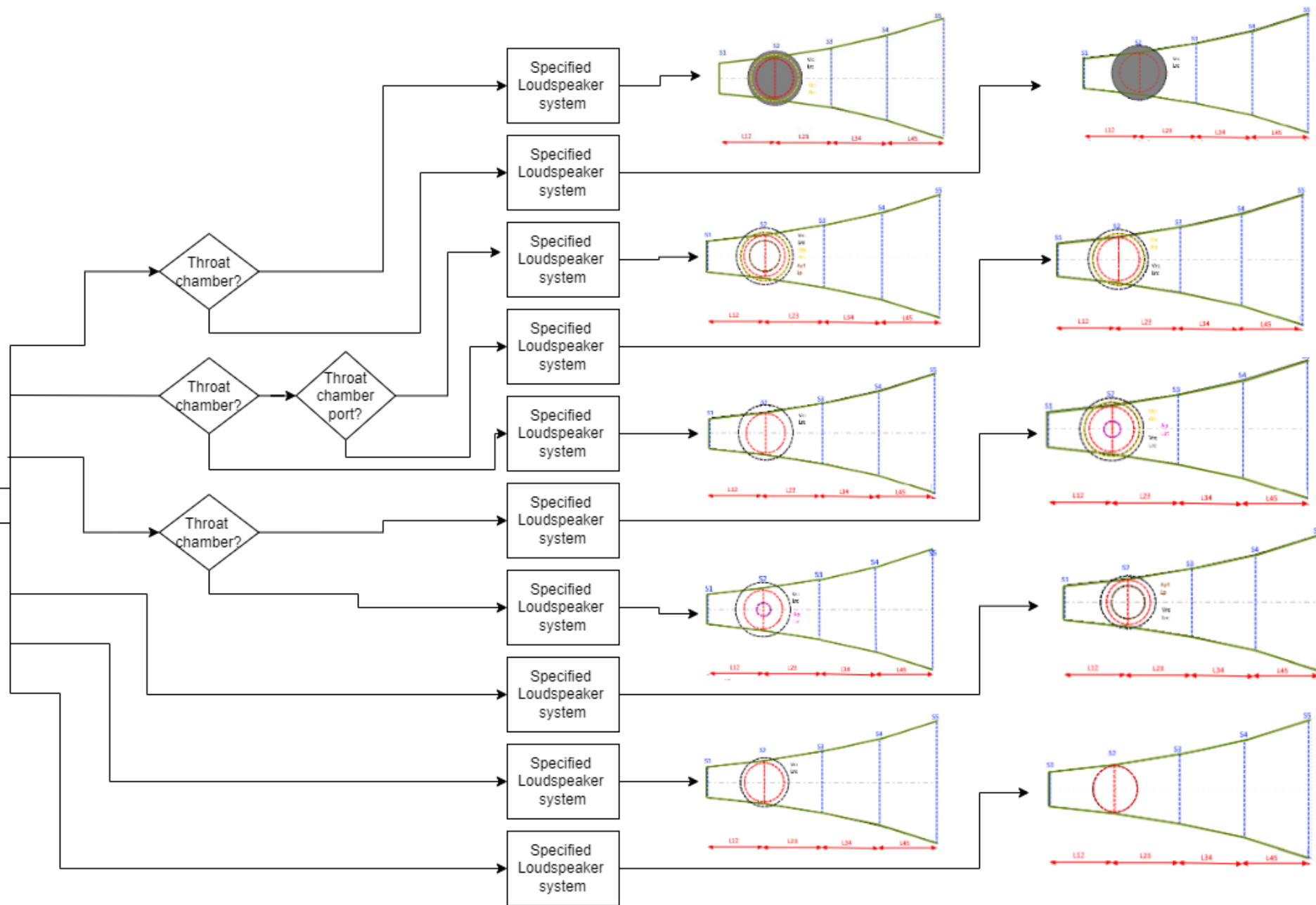
TRACKTRIX



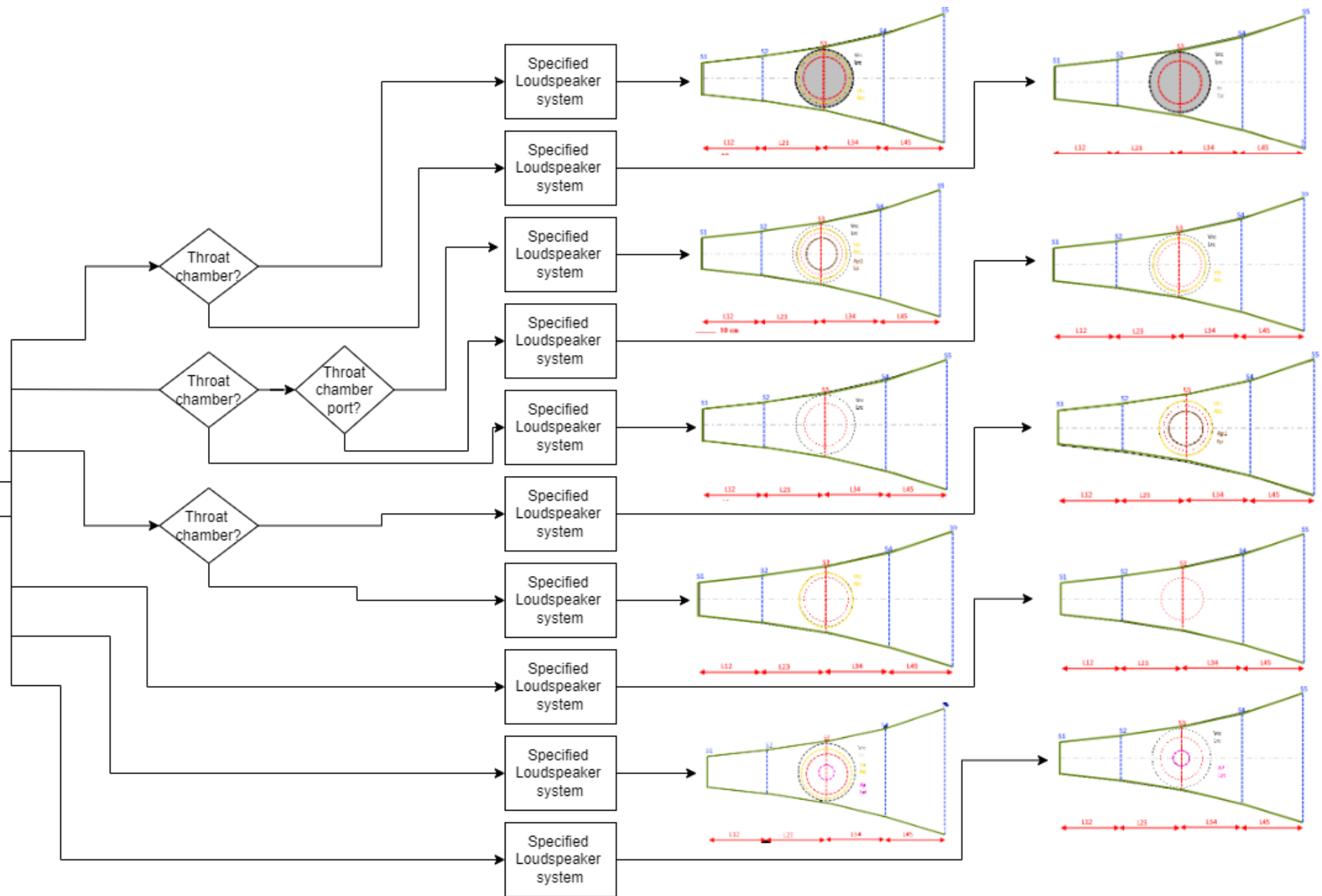


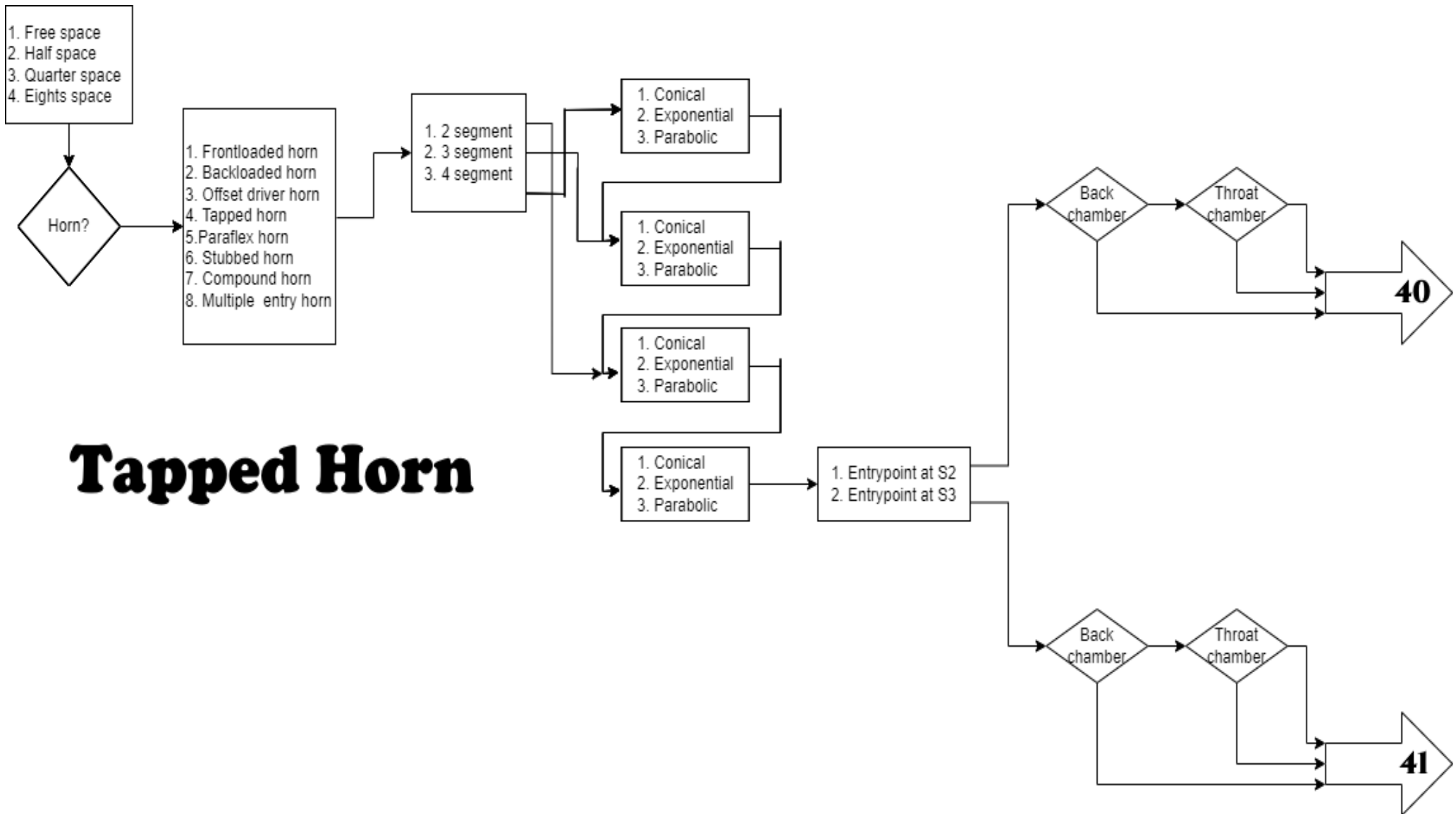
OFFSET HORN

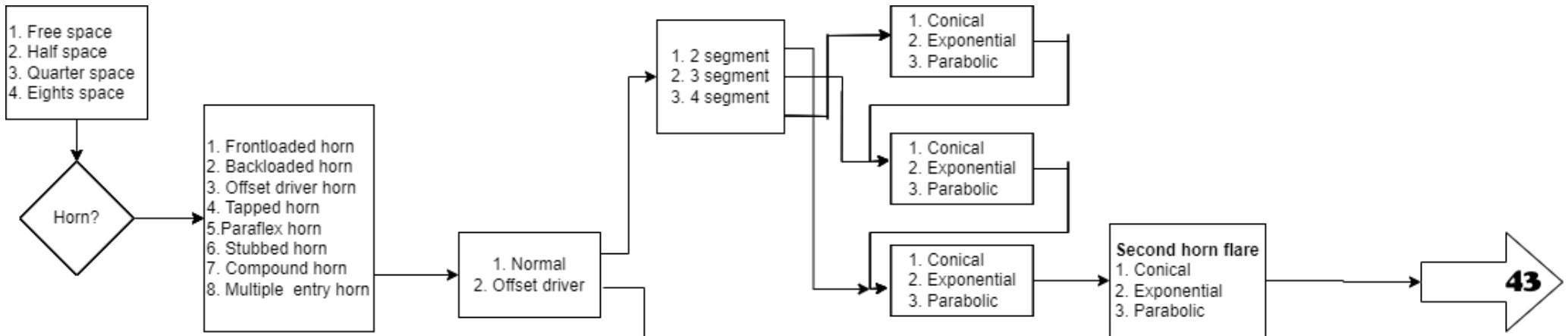
36



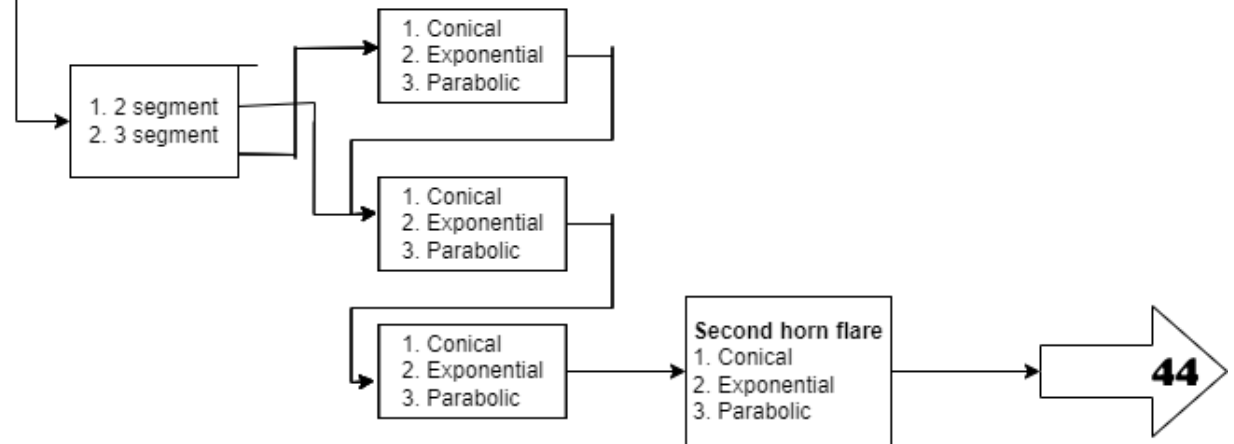
36

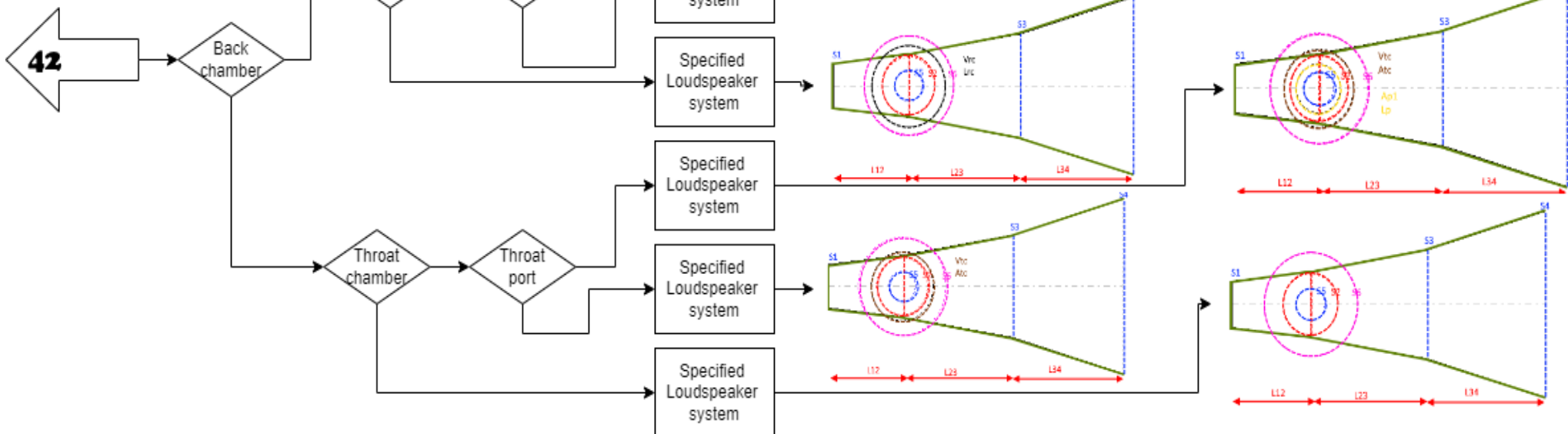




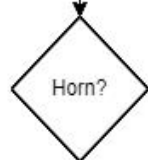


Compound Horn





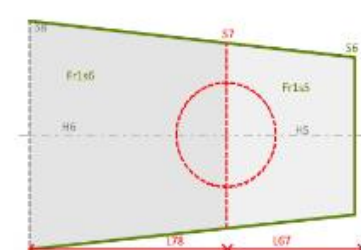
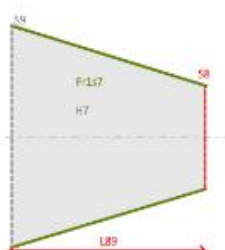
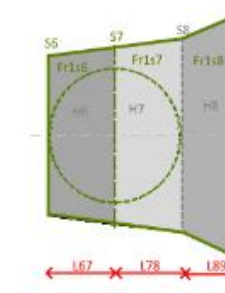
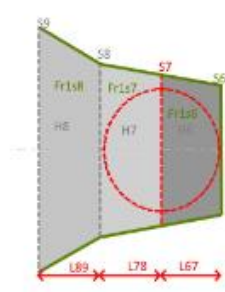
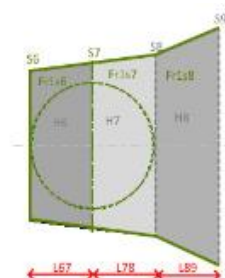
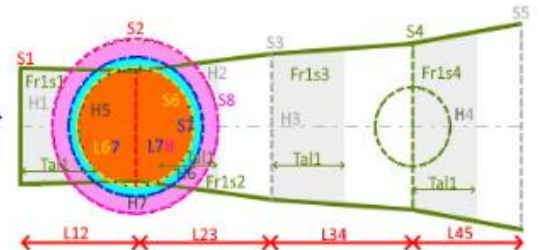
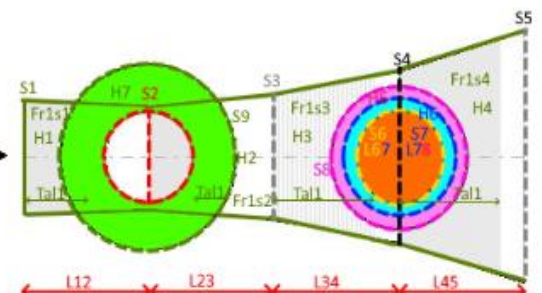
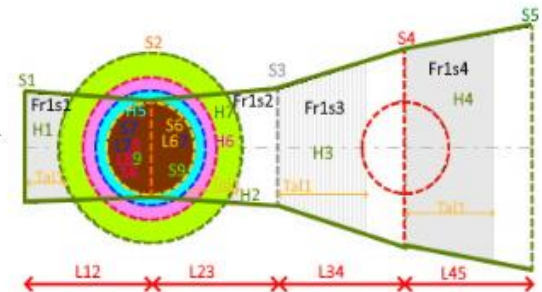
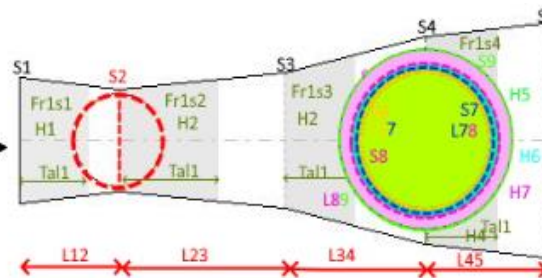
1. Free space
2. Half space
3. Quarter space
4. Eights space



1. Frontloaded horn
2. Backloaded horn
3. Offset driver horn
4. Tapped horn
5. Paraflex horn
6. Stuffed horn
7. Compound horn
8. Multiple entry horn

1. Type 1
2. Type 2
3. Type 3
4. Type 4

Paraflex Horn



1. Free space
2. Half space
3. Quarter space
4. Eights space

Horn?

1. Frontloaded horn
2. Backloaded horn
3. Offset driver horn
4. Tapped horn
5. Paraflex horn
6. Stuffed horn
7. Compound horn
8. Multiple entry horn

1. Normal
2. Absorber chamber

1. 1 segment
2. 2 segment
3. 3 segment

1. Conical
2. Exponential
3. Parabolic

1. Conical
2. Exponential
3. Parabolic

1. Conical
2. Exponential
3. Parabolic

1. Conical
2. Exponential
3. Parabolic

- Stub flare
1. Conical
2. Exponential
3. Parabolic

1. Stub at S1
2. Stub at S2
3. Stub at S3
4. Stub at S4

47

1. 1 segment
2. 2 segment
3. 3 segment

1. Conical
2. Exponential
3. Parabolic

1. Conical
2. Exponential
3. Parabolic

1. Conical
2. Exponential
3. Parabolic

1. Conical
2. Exponential
3. Parabolic

- Chamber flare
1. Conical
2. Exponential
3. Parabolic

1. Chamber at S1
2. Chamber at S2
3. Chamber at S3
4. Chamber at S4

48

Stuffed Horn

I hope someone can benefit from this flow chart. It might make it easier to understand Hornresp a little better. Fits the "Hornresp Manual.pdf" booklet.



Me 2019