

DESIGN CHECKLIST

GREASE DUCT

Request for:

Budget Quote
Final BOM, CAD, Submittal & Install Drawings
Revision Required
Previous Rfq # _____

Requested by:

Our team strives to maintain standard turn-around time for quote requests at 48 hours. Urgent requests will be fulfilled pending work load and the order in which request was received.

Standard
Urgent _____
(Enter date and time [eastern])
Other _____
(Enter date)

Project Info:

Project Name & City: _____
Your Name: _____
Quick Contact Info: Phone Or Email _____

Routing: (lengths, diameters, offsets)

Specification & Scaled Mechanical Plans w/ Elevations
Hand Drawing – Center Line Dimensions, Route, Lengths, Diameters, & Elevations
Security Chimneys Parts List - _____

Aesthetics: Stainless Outer Wall: YES NO

Code: UL 2221(2-hr Fire Rating) YES NO

Clearance to Combustibles: Reference Table on Page 2

≥18" Single Wall Clearance	Double Wall Clearance	Mix & Match
0" Zero Clearance	1" 2" 3" 7"	

Connection:

Hood Info: _____

Fan Info: _____

Submitting: Send To layouts@securitychimneys.com - You Will Receive A Confirmation Email.



Reference Tools:

CHART 1

How to Design Build - Choices based on Design Requirements		
Customer Needs	Design Requirement	Choice(s)
Code	UL 2221 - (2-hr Fire Rating)	Zero Clearance
	Not UL 2221 (UL 1978)	Double Wall or Single Wall
Aesthetics	Speced Stainless	304/304
	No Stainless Spec Stainless Aesthetics (visible/modern)	304/304
	No Aesthetic Requirement	Galvalume
Clearance to Combustibles	≥ 18"	Single Wall
	≥ 1" and ≤18"	Double Wall - UL 1978
	0"	Zero Clearance - UL 2221

Lower Costs - Options			
	Less Expensive \$	← →	More Expensive \$\$\$
Materials (1)	Galvalume	304 Stainless	316 Stainless
Product Type (1)	Single Wall	Double Wall	Zero Clearance
Diameter**	Smaller Diameter <i>**Increase fan speed or size</i>		Larger Diameter

Note (1) - Can you mix & match Materials and or Product Type?

For Reference: Product Options based on Clearance to Combustibles.

TABLE 2 - Clearance to Combustible (Unenclosed Surrounding)
(from the outer band)
Grease Duct - UL 1978 (500°F)

x	SCL	CAX1	CIX1	CIX2 & CIX4	CIX3Z
5	18	4	2	1	0
6	18	5	2	1	0
7	18	5	2	1	0
8	18	5	2	1	0
9	18	5	2	1	0
10	18	5	2	1	0
11	18	5	2	1	0
12	18	6	2	1	0
13	18	6	2	1	0
14	18	6	3	1	0
16	18	6	3	1	0
18	18	7	3	2	0
20	18	7	3	2	0
22	18	7	3	2	0
24	18	8	3	2	0
26	18	8	4	2	0
28	18	8	4	2	0
30	18	9	4	2	0
32	18	9	4	3	0
34	18	9	4	3	0
36	18	10	5	3	0

Dimensions are in inches
Note: Clearance to non combustible is 0" for all models and diameter

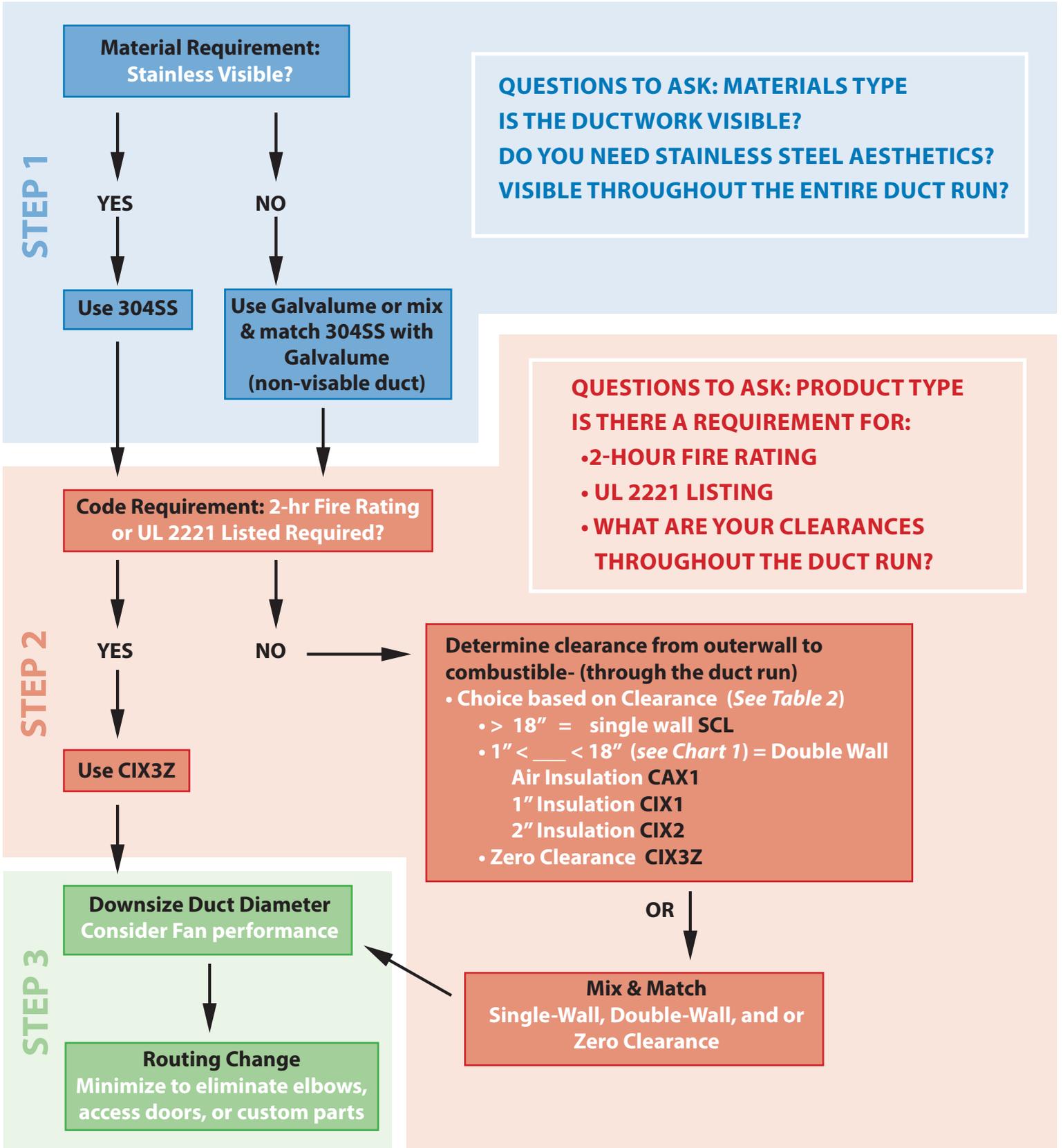
TIPS:

- 1-No square hood connection
- 2-Know Aesthetics – Galvalume-ok? Mix and Match?
- 3-Confirm no UL 2221 (2-hr, zero clearance)
- 4-Know your clearances throughout the run Mix and Match?
- 5-Minimize Access Doors, Elbows, & Tees
- 6-Roof – single wall (no UL 2221 or clearance issue)



Prefab, Round, UL Listed Grease Duct Functional & Value Engineering Decisions

Engineering the Right System for your Application, at the Lowest Cost

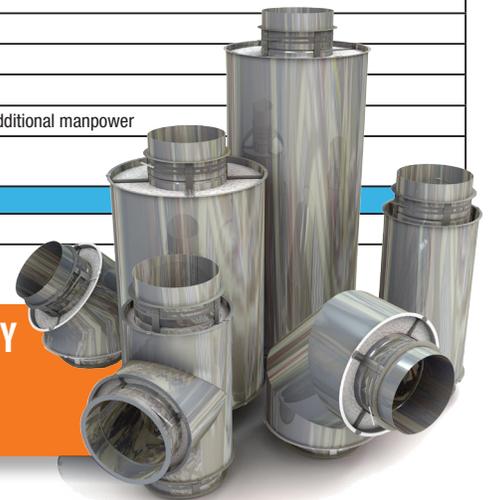


WHAT CONTRACTORS NEED TO KNOW: SECURITY CHIMNEY PREFAB GREASE DUCT

Lower Costs AND Save Time. Reduce Risks, Headaches and Conflicts!

BENEFITS TO INSTALLING CONTRACTOR WHEN USING SECURITY CHIMNEY vs SITE-BUILT

	Dollar Savings & Times Savings	Quality/Reliability / Durability	Notes:
REDUCE RISKS & HEADACHES TO PROJECT SCHEDULE			
Code Compliance & Reduced Project schedule	YES		Code Compliant Factory Generated Design & Materials
No Leaks, No Inspection failures	YES	YES	No inspection leak failures... install and forget it
Outer Wall vs. Insulation	YES	YES	Reduced Inspections & AHJ involvement
Ease of install	YES	YES	Keeps project on Schedule
SUPPORT - INDUSTRIES BEST & QUICKEST TURNAROUND - NO CHARGE			
Design - BOM & Drawings	YES	YES	East Coast & West Coast Coverage
Option: On-Line Design Tool	YES	YES	Training Provided or use our team.
Application Support	YES	YES	Value Engineering - Meet project needs at lowest cost.
Code familiarity	YES	YES	We know codes... and they are always changing.
Installation Support	YES	YES	Code Compliant Design & Materials. No jobsite "shortcuts"
SUPERIOR MATERIALS			
Outer wall aesthetics		YES	Outer wall aesthetics superior to fire wrap insulation... even before the insulation rips
Broad product line	YES		Voice of Customer driven options. Adjustable lengths, transitions, adapters, square to round to connect to rectangle duct.
LOWER INSTALL COSTS - SIMPLICITY, TIME & EXPENSE SAVINGS			
Lower Skilled Labor - no welders	YES	YES	No expensive & hard to find welders.
Centering "Alignment" Sleeve	YES	YES	Awesome innovation - Voice of Customer, one person operation
V-Band Flange	YES	YES	Ease of install
Access Door Gasket Factory Applied	YES	YES	Another savings ... one less step for the installer
More Space Between Outers	YES	YES	Voice of Customer innovation - space for real world contractor h&s
Quicker install - "Plug-N-Play"	YES	YES	Less time on jobsite. After hours installation for rehab projects. No need to shut down
No Welding	YES	YES	No site welding & additional safety requirements
No insulation exposed	YES	YES	No damage to insulation during installation or maintenance
Reduced Inspections	YES		No Fire Wrap inspections required
Captured Nut & Bolt	YES	YES	Voice of Customer innovation
Specialised parts	YES	YES	Makes installation easier
Less Slope Requirement	YES		CODE DRIVEN SPACE SAVINGS
No "fire monitoring" on jobsite	YES		Site-welded duct requires fire prevention, active monitoring & additional manpower
Smaller footprint - No Fire rated Chase required	YES		No fire rated chase saves space and cost
WARRANTY			
Limited Lifetime			Vs. Site-built warranty of 1-year or less



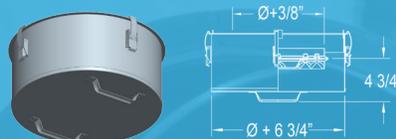
WHY SECURITY CHIMNEY PREFAB GREASE DUCT: GREATER PROFITABILITY

- Lower Installation Costs
- Save Time
- Reduce Risks and Headaches
- Design, Application and Training Support

CENTERING SLEEVE: DURABILITY
Protects sealant from degradation & loss during cleaning.



NO TOOL ACCESS TEE CAP
Labor savings during maintenance. Easy and toolless inspection.



NO TOOL ACCESS DOOR
Labor savings during install, maintenance and inspection.

