

# DESIGN REVIEW CHECKLIST

## INCINERATOR/SOLID WASTE

- Reviewers should** - Use Checklists when reviewing any type of VA construction project for the following disciplines:
- Architectural,
  - Electrical,
  - Heating, Ventilating, and Air Conditioning (HVAC),
  - Incineration,
  - Plumbing, Fire Protection, and Sanitary,
  - Site and Landscape,
  - Steam Generation and Distribution, and
  - Structural.
- Reviewers should** - Ensure that A/E Submission Instructions (PG-18-15) for Schematic, Design Development, and Construction Documents are followed for various types of VA construction projects.
- Reviewers should** - Ensure that every VA construction project is in compliance with all life safety issues.
- Reviewers should** - Be aware that these checklists are not all-inclusive but only provide minimum review items.

## INCINERATION / SOLID WASTE DESIGN REVIEW CHECKLIST

TITLE \_\_\_\_\_ PROJECT NO. \_\_\_\_\_  
 LOCATION \_\_\_\_\_ DATE \_\_\_\_\_  
 REVIEWED BY \_\_\_\_\_  
 ORGANIZATION \_\_\_\_\_

### GENERAL INFORMATION FOR REVIEWERS

The reviewer should be thoroughly familiar with the following VA standards before conducting a design review. These are available on CFM website: <https://www.cfm.va.gov/til>

ITEM	DESCRIPTION
1.	<b>DESIGN MANUALS (PG-18-10)</b>
2.	<b>MASTER CONSTRUCTION SPECIFICATIONS (PG-18-1)</b>
3.	<b>STANDARD DETAILS (PG-18-4)</b>
4.	<b>DESIGN AND CONSTRUCTION PROCEDURES (PG-18-3)</b>
5.	<b>DESIGN GUIDES (PG-18-12)</b>
6.	<b>DESIGN ALERTS</b>
8.	<b>A/E SUBMISSION INSTRUCTIONS, PROGRAM GUIDE (PG-18-15)</b>

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**ORGANIZATION** \_\_\_\_\_

### SCHEMATIC 1

NO.	INCINERATION / SOLID WASTE – SCHEMATIC 1 ITEM	COMMENTS/ YES/NO/NA
1	Have DESIGN REVIEW Submission Requirements (PG-18-15) for this review been met? List omissions.	
2	Is seismic anchoring and bracing necessary?	
3	Have the latest VA Master Spec sections been used?	
4	Have latest VA Standard Details been used (for heat recovery boiler)?	
5	Does DESIGN REVIEW have latest VA Design Manual?	

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### SCHEMATIC 2

NO.	INCINERATION / SOLID WASTE – SCHEMATIC 2 ITEM	COMMENTS/ YES/NO/NA
1	Have DESIGN REVIEW Submission Requirements (PG-18-15) for this review been met? List omissions.	
2	Equipment selection and location complies with Solid Waste Processing Systems Design Manual.	
3	Life cycle cost method complies with NIST Handbook 135?	
4	Acceptable responses to previous comments?	

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### DESIGN DEVELOPMENT

NO.	INCINERATION / SOLID WASTE – DESIGN DEVELOPMENT ITEM	COMMENTS/ YES/NO/NA
1	Have DESIGN REVIEW Submission Requirements (PG-18-15) for this review been met? List omissions.	
2	Equipment selection and location complies with Solid Waste Processing Systems Design Manual.	
3	Acceptable responses to previous comments?	
4	Equipment sizing calculations acceptable?	
5	Are calculations complete including loads, equipment and systems?	
6	Plan views and sections of major equipment show proper access to equipment?	
7	Proper ventilation and heating of equipment space shown?	
8	Coordination with other disciplines	
9	Does design comply with VA Design Manual?	
10	Is adequate clearance shown around all equipment?	
11	Are Master Specs utilized on current issue?	

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### CONSTRUCTION DOCUMENTS

NO.	INCINERATION / SOLID WASTE – CONSTRUCTION DOCUMENTS ITEM	COMMENTS/ YES/NO/NA
1	Have DESIGN REVIEW submission Requirements (PG-18-15) for the review been met? List omissions.	
2	Is proper access provided to all items requiring such?	
3	Are access catwalks shown in proper relation to items requiring access?	
4	Do structural and architectural drawings show catwalks and equipment pads?	
5	Acceptable responses to previous comments?	
6	Current review of emissions rules. In compliance?	
7	Coordination with other disciplines	