



Komfort Zone Kit #KZK-1510

For use with Bellingham 52 (#BHM-52 & #BHM-52-BW),
Callaway 72 (#CLW-72), Generation 6020 (#GEN-6020), and
Generation 6020 Screen (#GEN-6020S).

READ ALL THESE STEPS BEFORE STARTING INSTALLATION. LEAVE THESE INSTRUCTIONS WITH THE APPLIANCE.

This kit must be installed by a qualified installer, service agency, or gas supplier at the time of the heater installation. These instructions must be used in conjunction with the installation and operation manual provided with the appliance.

Please read all appliance owner's manual completely before performing any procedures in these instructions.



1.0	Introduction.....	3
1.1	Kit Contents	3
1.2	Unit Specific Requirements	3
1.3	Suggested Configurations	4
1.4	Dimensions and Overview	5
1.5	Air Duct Run	5
2.0	Framing and Clearances	6
2.1	Clearance to Sprinkler & Ceiling	6
2.2	Plenum Framing	6
2.3	Enclosure Framing	8
2.4	Shelf Requirements	10
3.0	Facing and Finishing	12
3.1	Non-Combustible Requirements	12
3.2	Finishing Requirements.....	15
3.3	Hearth and Mantel Clearances.....	20
4.0	Fireplace Preparation & Installation	25
4.1	Callaway 72	25
4.2	Bellingham 52.....	27
4.3	Generation 6020 & Generation 6020S	28

English and French installation manuals are available through your local dealer. Visit our website www.kozyheat.com.

Les manuels d'installation en français et en anglais sont disponibles chez votre détaillant local. Visitez www.kozyheat.com.

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

IMPORTANT: Failure to read and follow these instructions may create a possible hazard and will void the fireplace warranty.

CozyCabin.com 518-623-4349

1.0 Introduction

1.1 Kit Contents

ALL kit contents must be installed.

- (2) 15" plenums
- (2) air grilles
- (12) 6" collars - (6) to attach to the bottom of the plenums; (6) to attach to where the cover plates are removed.

Additional Required Items

- (1) KZK-610 (sold separately) is used for a 10' vent run. If you are mounting the plenums above the fireplace 10' (3m) or less, use (1) KZK-610 kit.

Optional Items

- If you are mounting the plenums above the fireplace between 10' to 20', you will need (2) KZK-610 kit and (1) #KZK-CPL6 coupler kit. KZK-CPL6 (sold separately) is (6) 6" couplers that connect (2) KZK-610.

1.2 Unit Specific Requirements

1.2.1 Generation 6020 / Generation 6020S

Both the Generation 6020 and 6020S have all of the KZK requirements outlined in the fireplace manual. Please refer to fireplace manual for installation information.

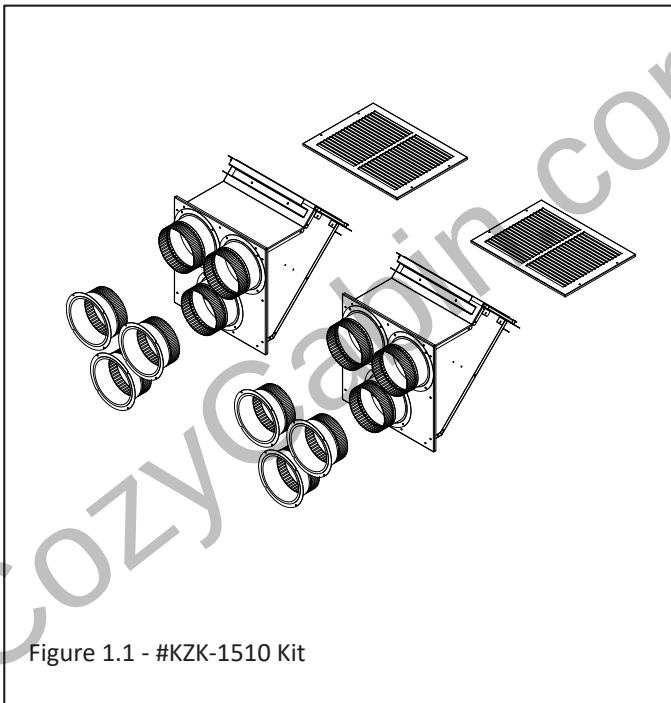


Figure 1.1 - #KZK-1510 Kit

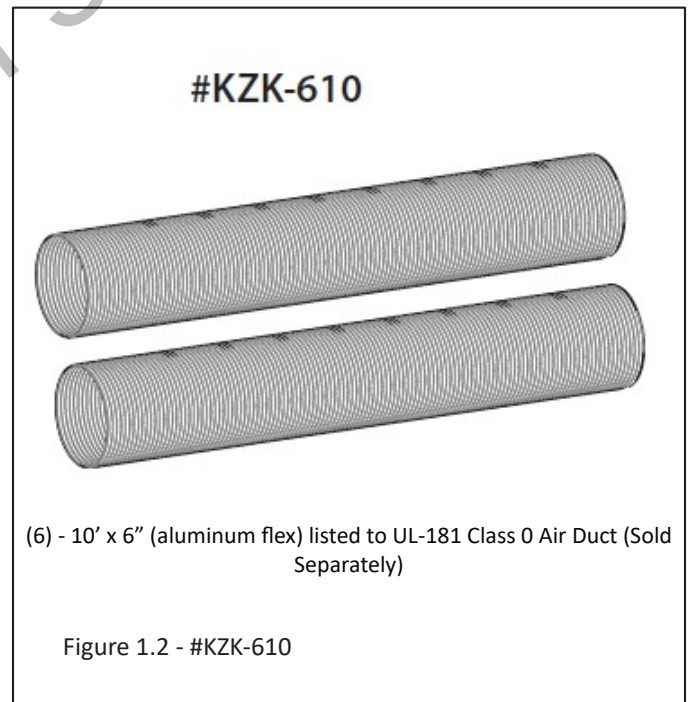


Figure 1.2 - #KZK-610

1.3 Suggested Configurations

When installing the #KZK-1510, take in consideration the fireplace venting and the plenum tube configuration. The (2) plenums and the (2) air grilles in this kit are required and both must be installed.

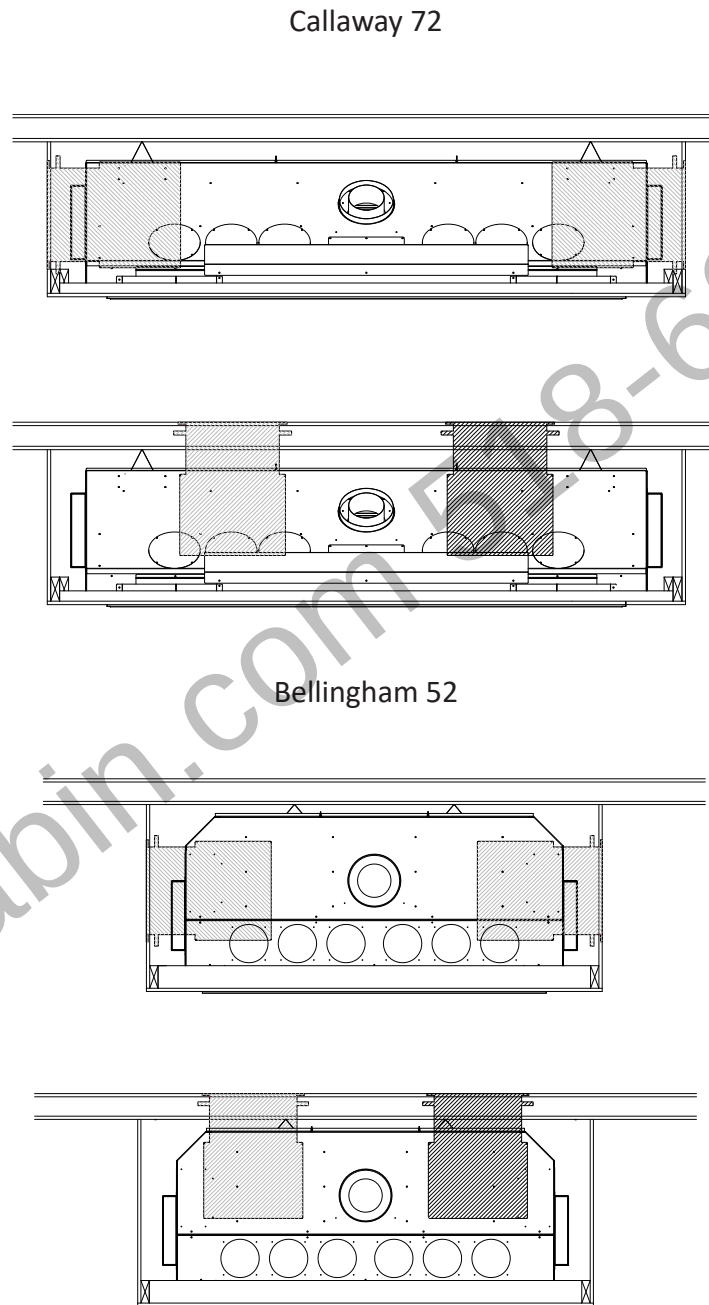


Figure 1.3 - Suggested Configurations

1.4 Dimensions and Overview

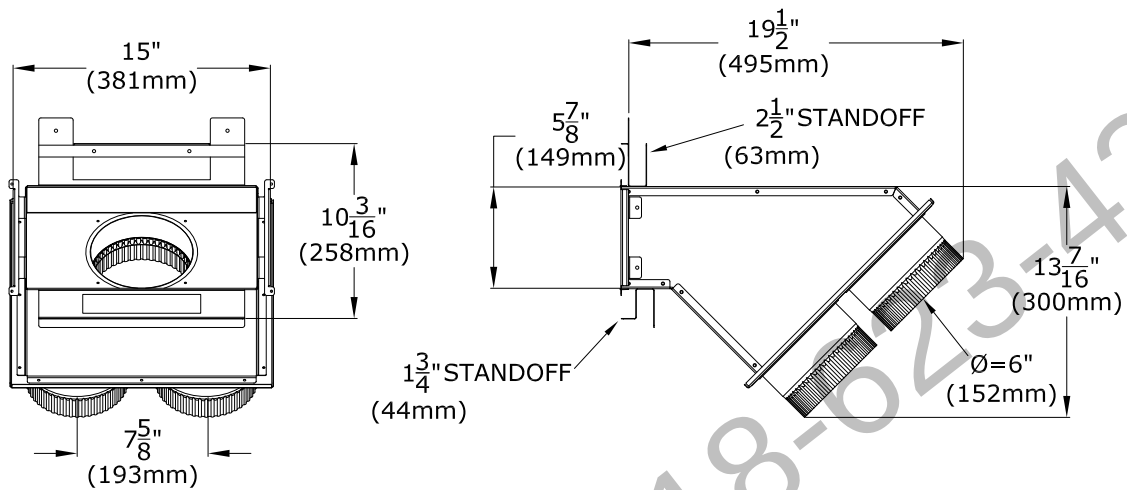


Figure 1.4 - KZK-1510 Plenum Dimensions

1.5 Air Duct Run

IMPORTANT: The air duct run cannot run horizontally without a vertical rise. A minimum 4" (102mm) vertical rise for every 12" (305mm) horizontal run.

IMPORTANT CLEARANCES: The BHM-52 requires a 1/2" (13mm) clearance around the air ducts and the CLW-72 requires 1-1/2" (38mm) around the air ducts must be maintained.

Use #KZK-610 UL181 Class 0 Air Duct piping to connect the plenums to the unit. Hussong Mfg. Co., Inc. requires pipes to be listed as UL181 Class 0 Air Duct to connect the plenums to the unit.

Maximum Vent Run: 20' (6.10m)

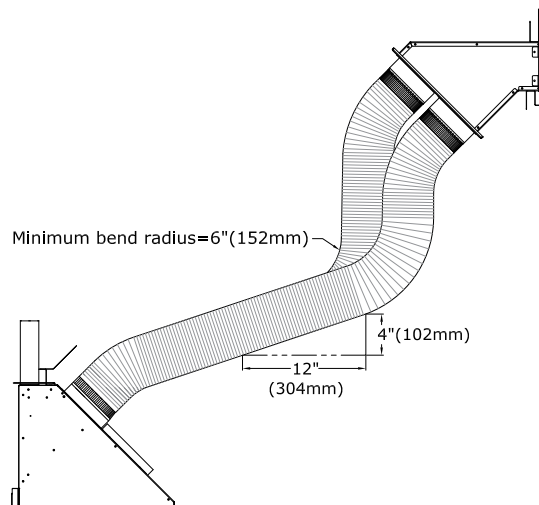


Figure 1.5 - Air Duct Rise

2.0 Framing and Clearances

Both the Generation 6020 and 6020S have all of the KZK requirements outlined in the fireplace manual please refer to fireplace manual for installation information.

2.1 Clearance to Sprinkler & Ceiling

- In a situation where a sprinkler head is installed within the proximity to a #KZK discharge opening, the diagram below MUST be followed.
- The distance between a sprinkler head and discharge opening cannot be less than 60" (1524mm) in length at every point from the origin of the discharge opening. You must also verify the sprinkler head sensor is set to the proper heat setting so it does not activate when the room heats up from the fireplace being operated normally.
- Please follow local building codes to determine what temperature setting is relevant for your installation.

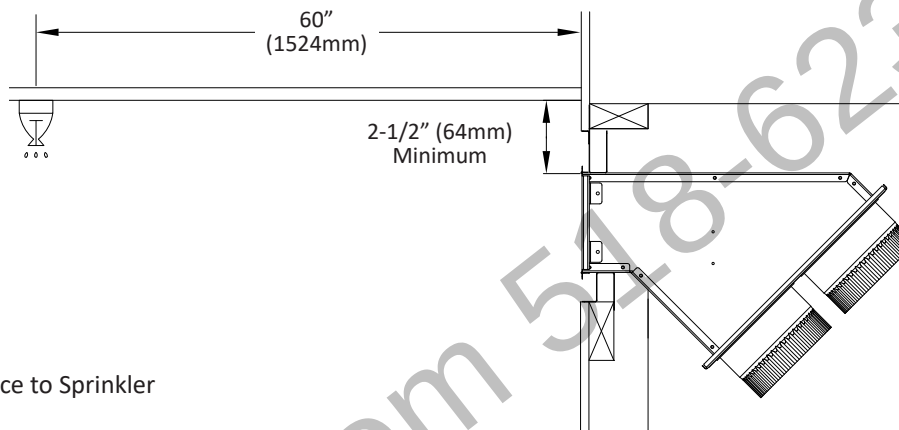


Figure 2.1 - Clearance to Sprinkler

2.2 Plenum Framing

- This section shows the plenum rough framing dimensions and clearances. There may be additional information for the fireplace installation in the fireplace manual.
- The framing dimensions for the rough opening should allow for the wall covering thickness and facing materials. Please refer to Section 3.0 for specific facing and finishing options.

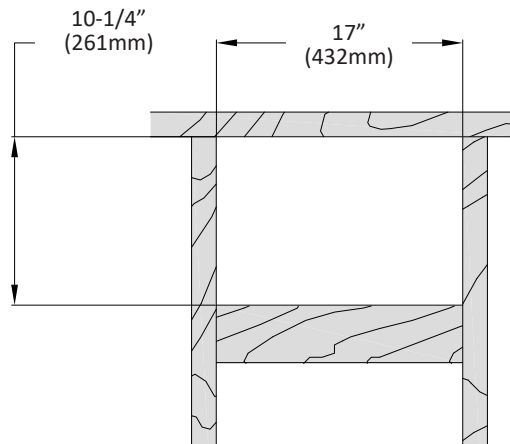
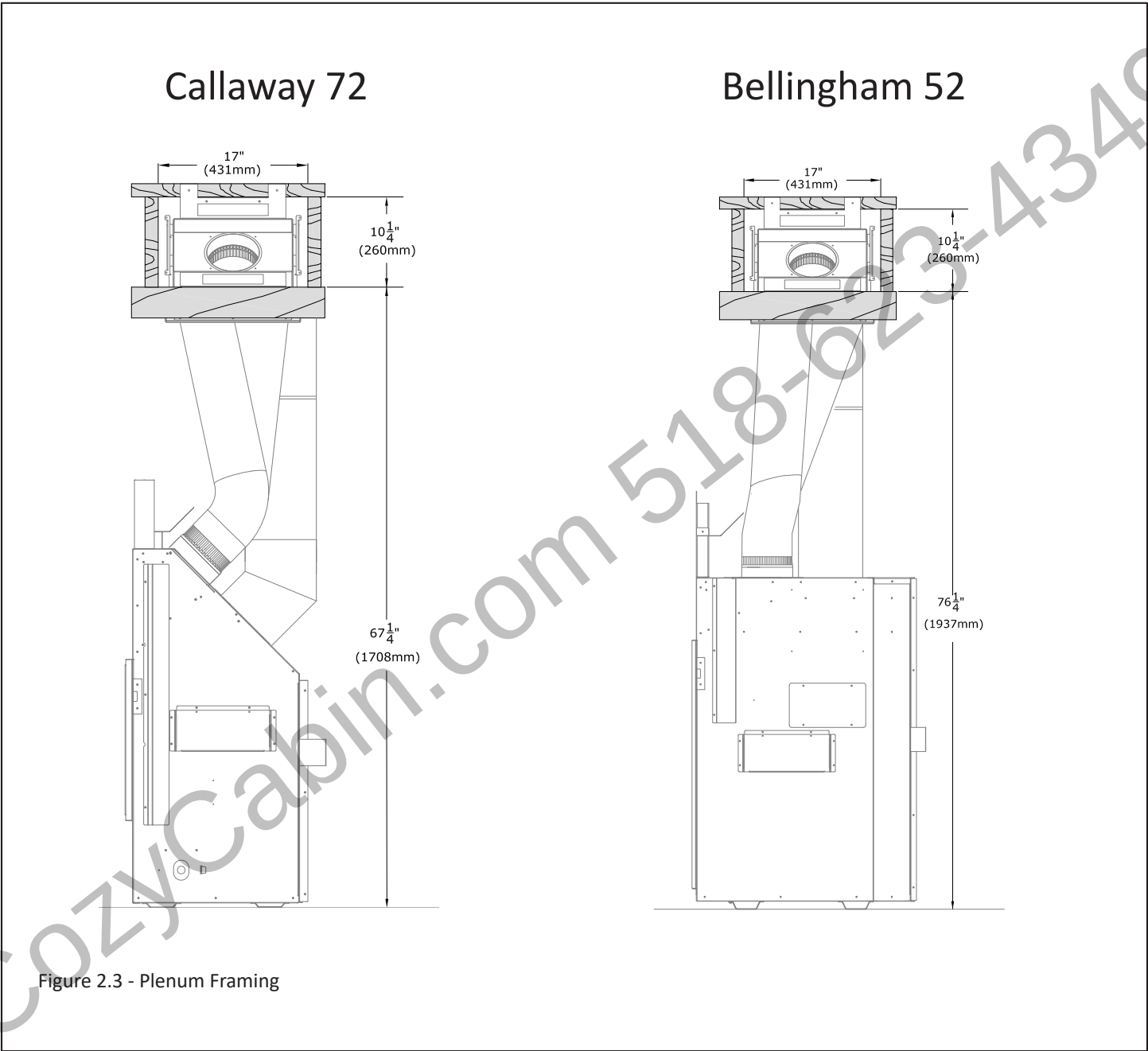


Figure 2.2 - Plenum Framing

2.2 Plenum Framing (Continued)



2.3 Enclosure Framing

All figures are shown using nominal 2"x4" framing used in interior enclosure framing.

2.3.1 Callaway 72 Enclosure Framing

The top image in Figure 2.4 has all the framing flush with the fireplace. The bottom image shows the minimum clearance to the recessed TV pocket from the base of the fireplace. The allowed TV recess of 4-1/4" (108mm) measures from the front of the nominal 2x4" framing to the backside of the finishing material of the pocket.

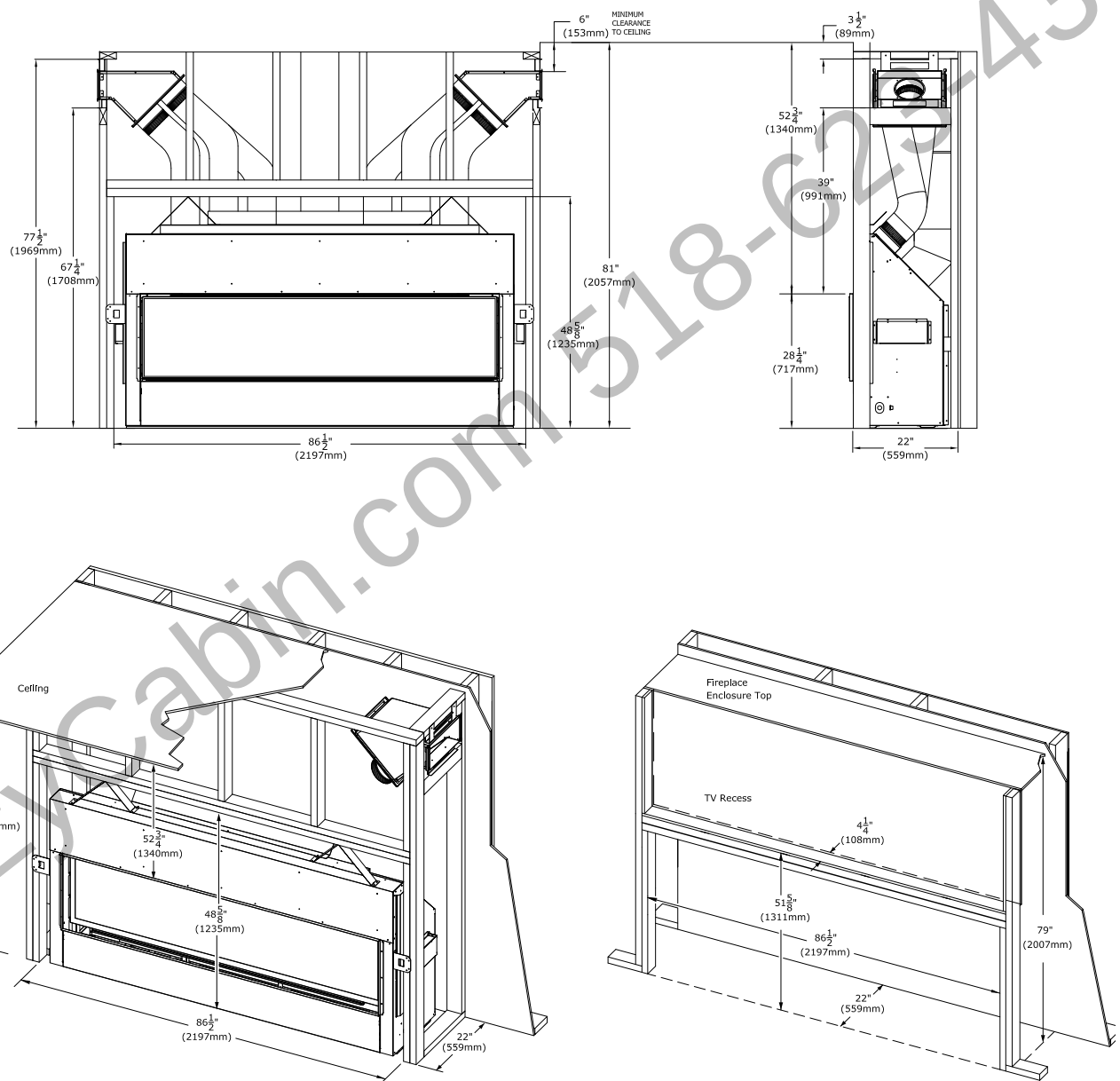


Figure 2.4 - Callaway 72 Enclosure Framing

2.3.2 Bellingham 52 Enclosure Framing

The top image in Figure 2.5 has all the framing flush with the fireplace. The bottom image shows the minimum clearance to the recessed TV pocket from the base of the fireplace. The allowed TV recess of 4-1/4" (108mm) measures from the front of the nominal 2x4" framing to the backside of the finishing material of the pocket.

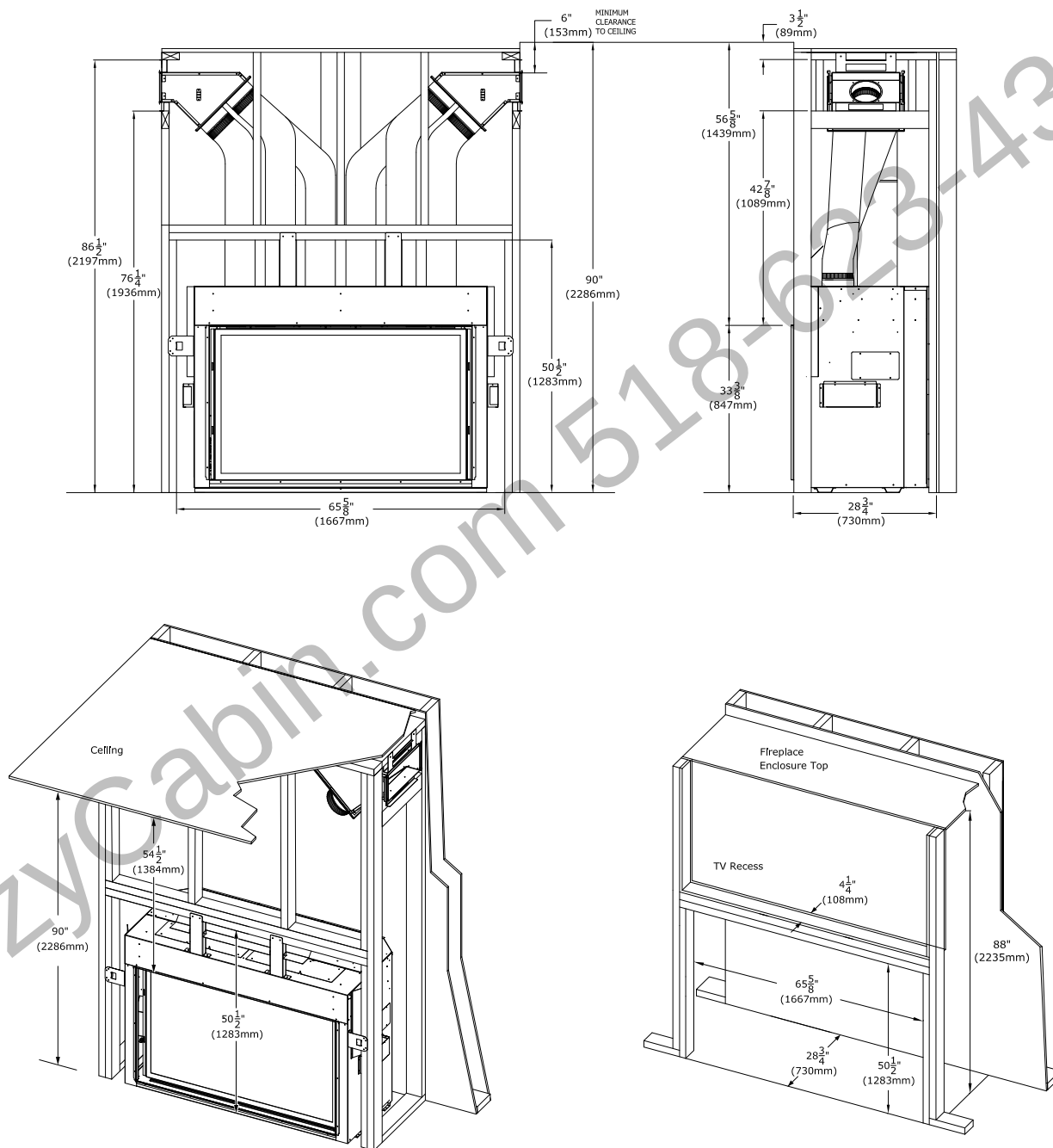


Figure 2.5 - Bellingham 52 Enclosure Framing

2.4 Shelf Requirements

The drawings in this section show the framing requirements if you desire the air discharge opening to be located within the bump-out or bookshelf framing.

NOTE: Take careful consideration in the difference of the minimum chamber height of the fireplace compared to the minimum height of the shelf enclosure, as shown in Figure 2.6.

2.4.1 Callaway 72 Shelf Requirements

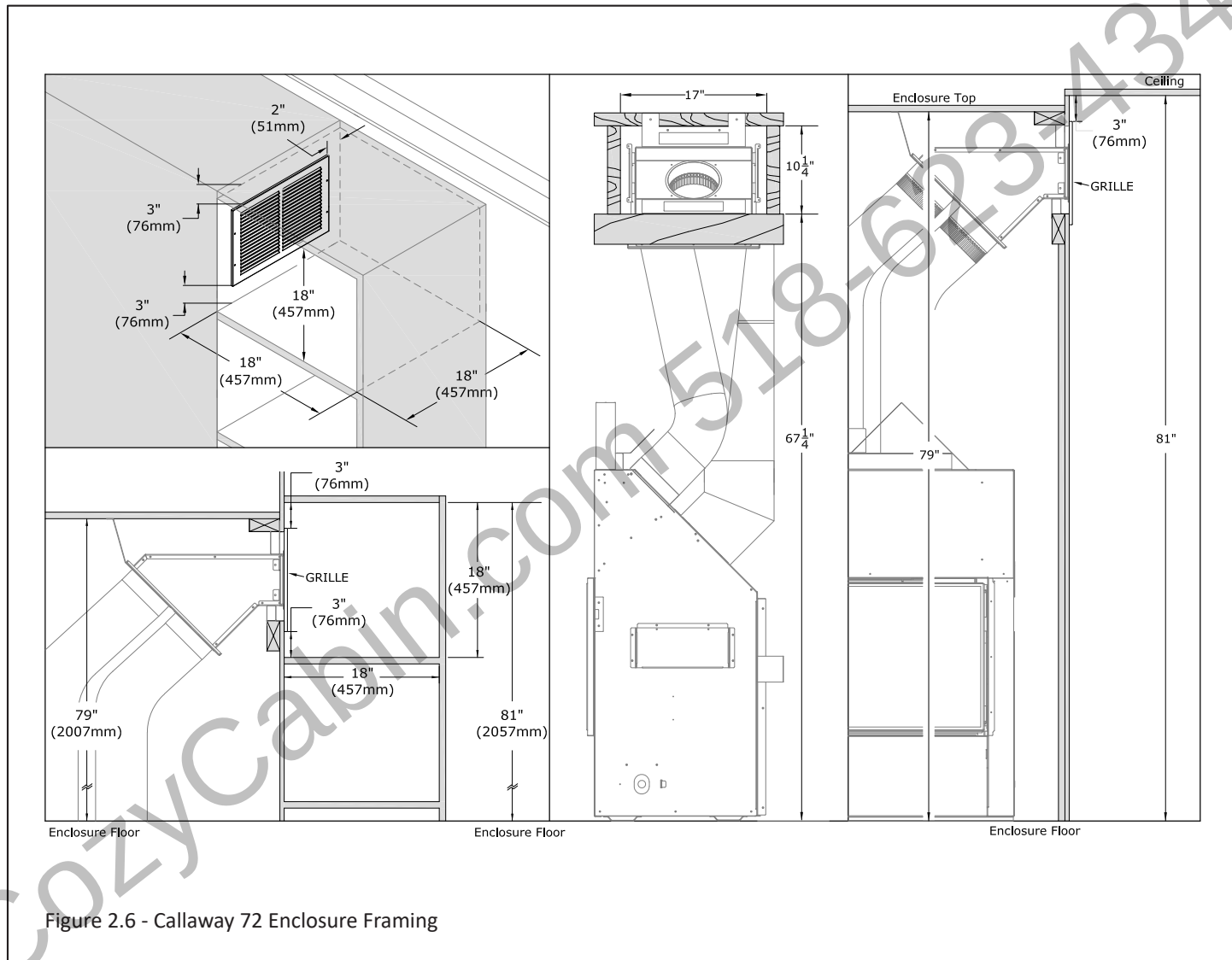


Figure 2.6 - Callaway 72 Enclosure Framing

2.4.2 Bellingham 52 Shelf Requirements

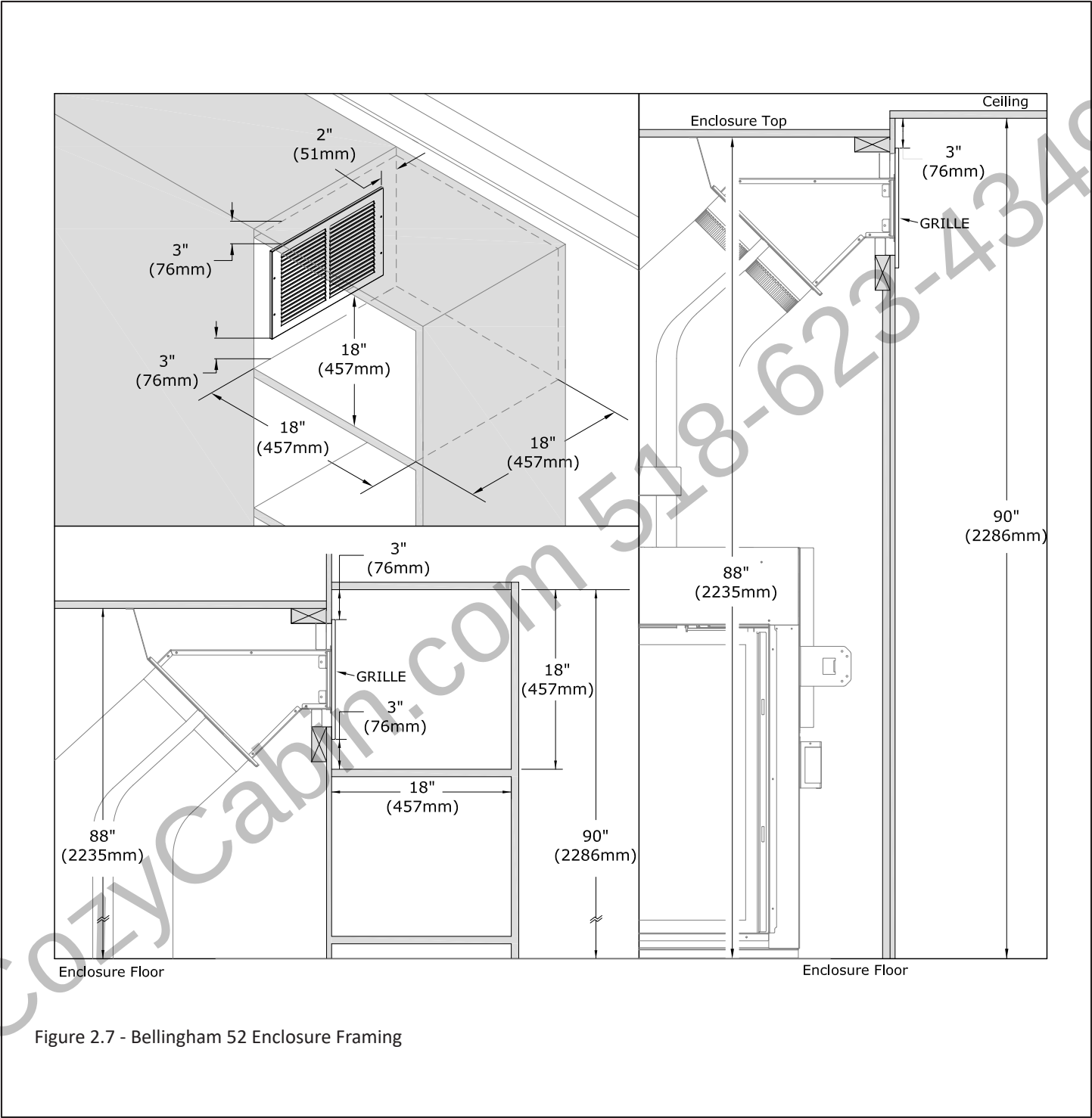


Figure 2.7 - Bellingham 52 Enclosure Framing

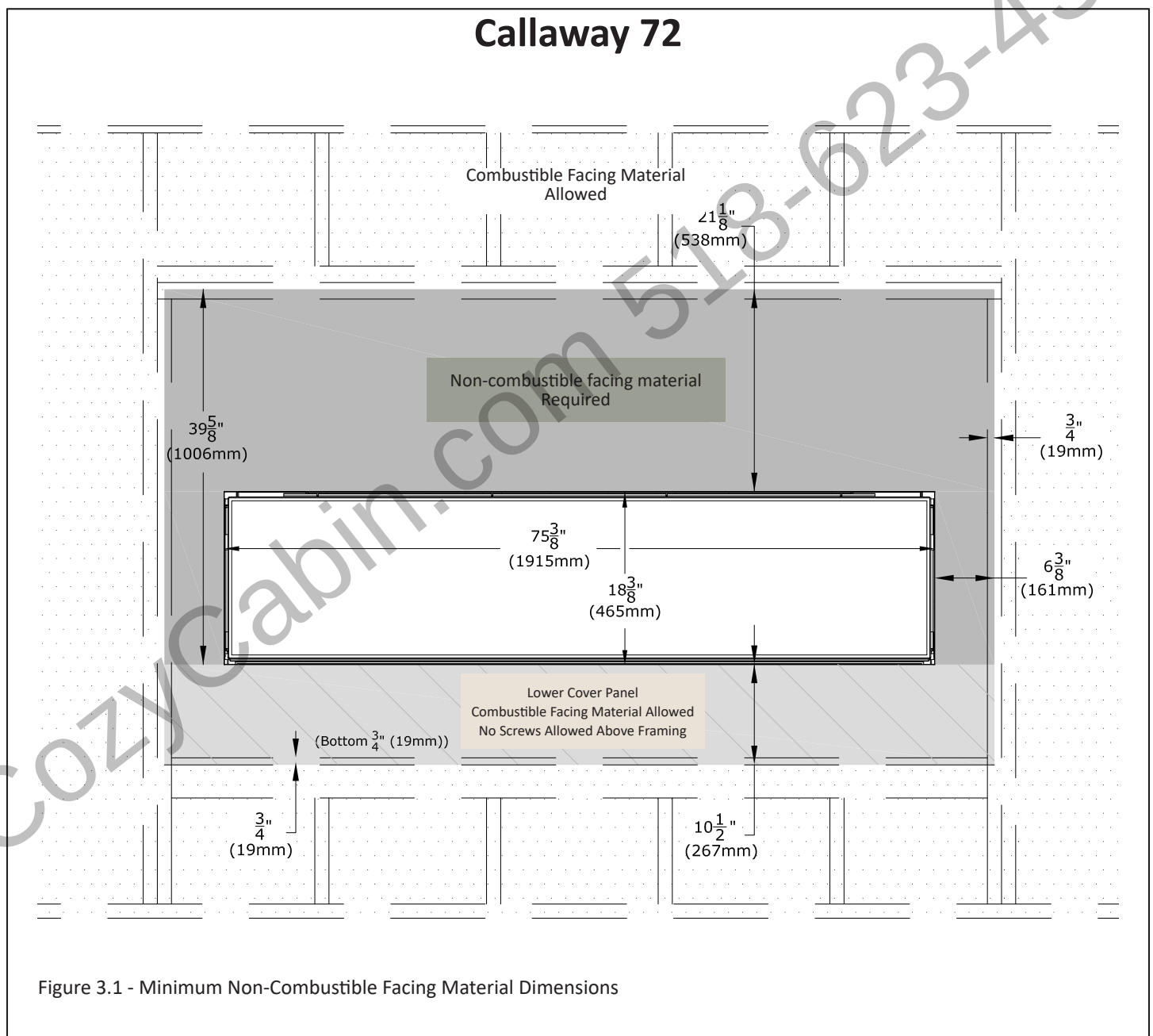
3.0 Facing and Finishing

Both the Generation 6020 and 6020S have all of the KZK requirements outlined in the fireplace manual please refer to fireplace manual for installation information.

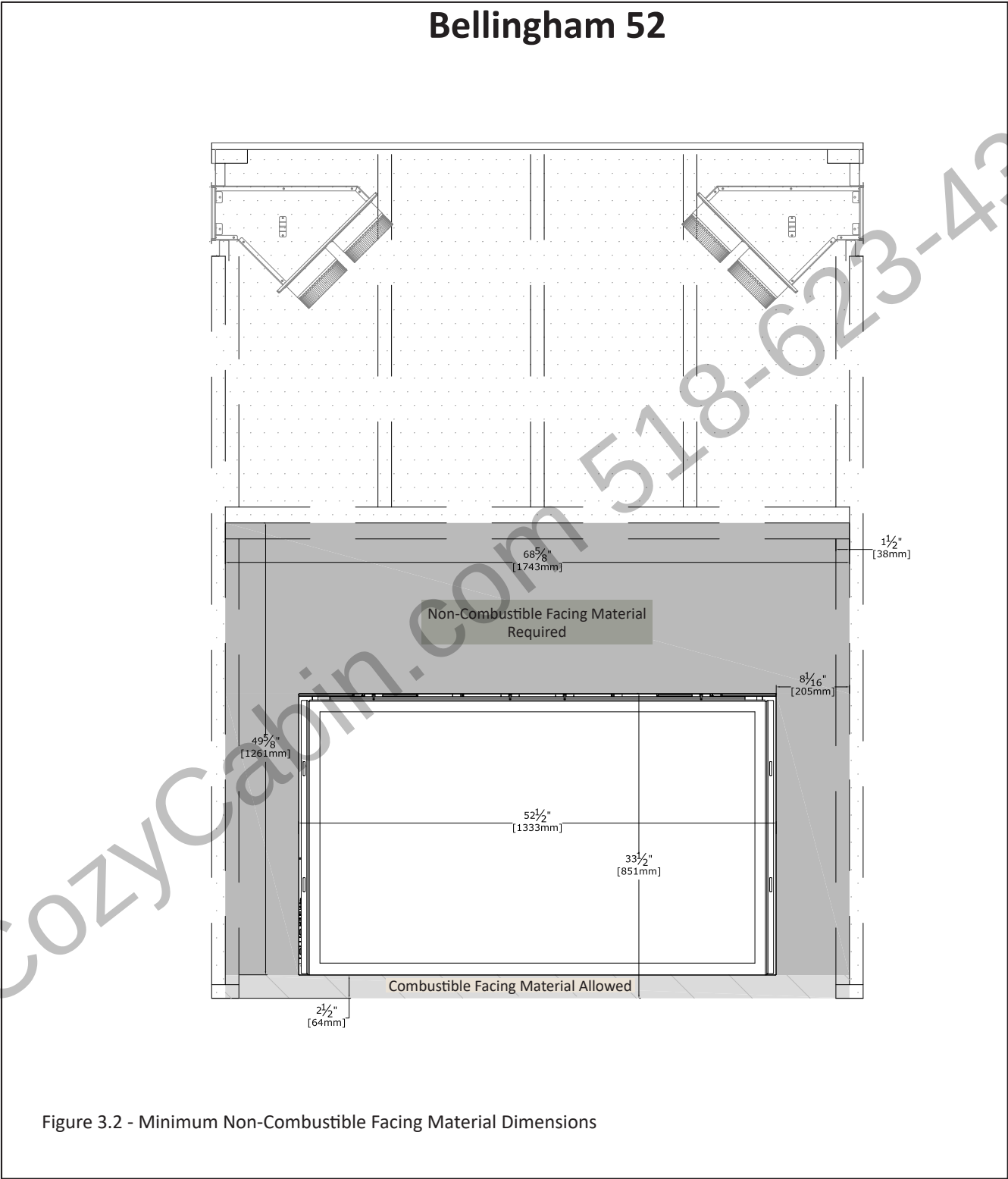
Note: It is acceptable to pre-drill and to use self-tapping screws prior to attaching the facing material. Screw can only penetrate the fireplace outer shell up to 1/2" (13mm) in the allowed areas.

3.1 Non-Combustible Requirements

Figure 3.1 and Figure 3.2 show the non-combustible facing material requirements.

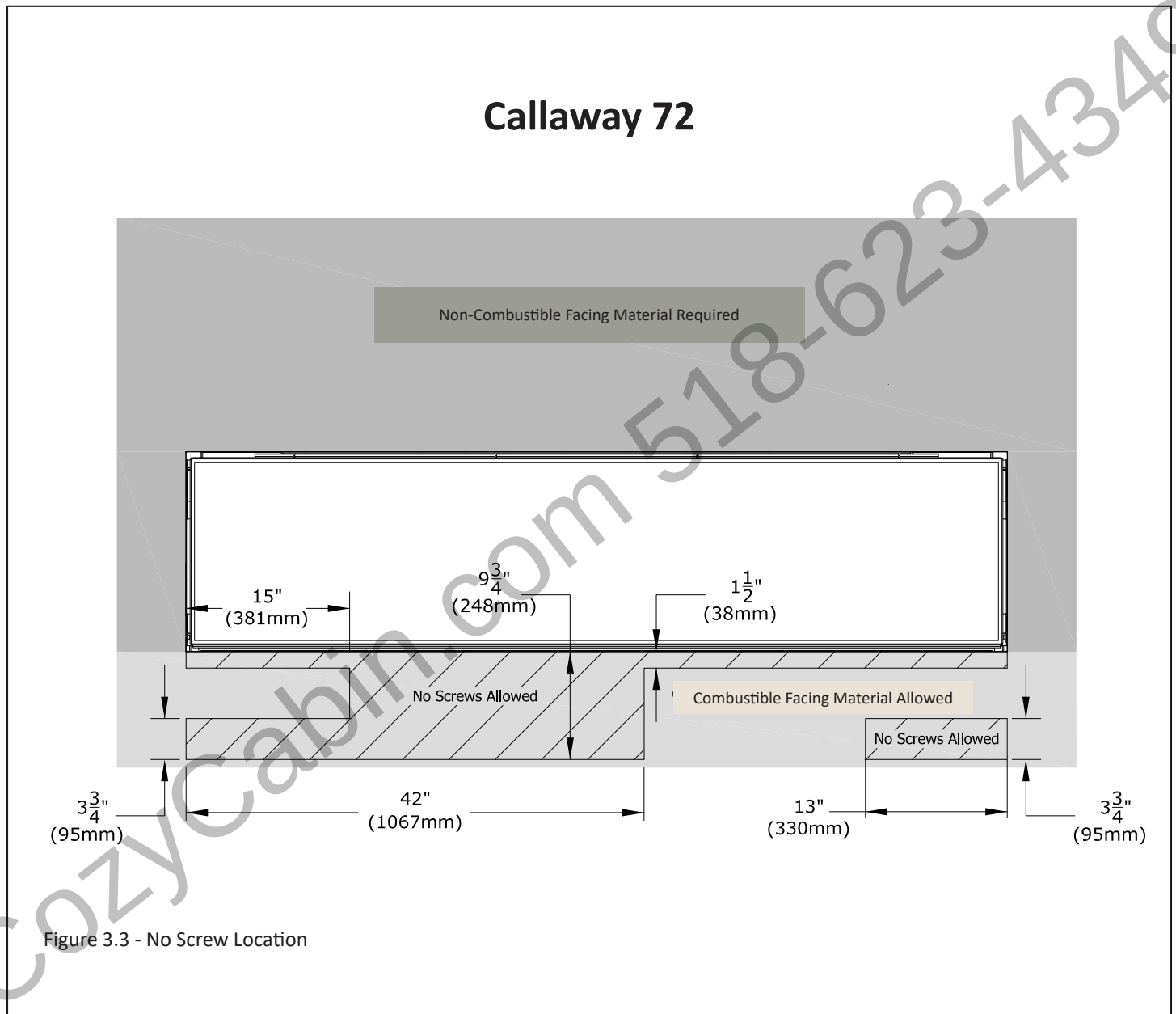


3.1 Non-Combustible Requirements (Continued)



3.1 Non-Combustible Requirements (Continued)

Figure 3.3 shows the location where no screws are allowed in the combustible facing material of the Callaway 72.



3.2 Finishing Requirements

3.2.1 Finishing Options - Plenum(s) Air Discharge

NOTE: If you desire to run finishing material up to the edge of the discharge opening, finishing material must not block the air discharge grille and must run evenly along the plenum opening.

WARNING! RISK OF OVERHEATING AND FIRE! Ensure the KZK duct system is installed in accordance to this manual and the convection baffle is removed when using these combustible clearances.

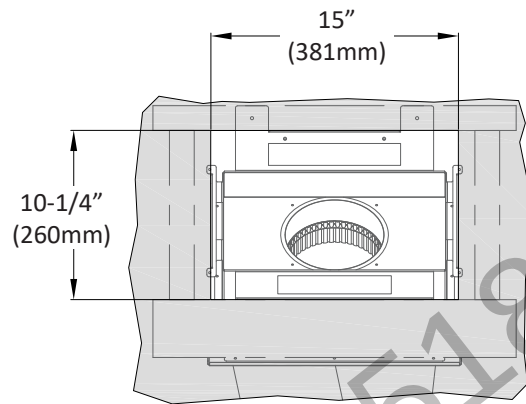


Figure 3.4 - #KZK-1510 Drywall Finish

Up to 1" (25mm) thick combustible material up to the edge of the air discharge opening is allowed. The 1" (25mm) combustible material cannot go closer to the discharge openings. The 1" (25mm) combustible material goes on top of any required non-combustible material required on the fireplace.

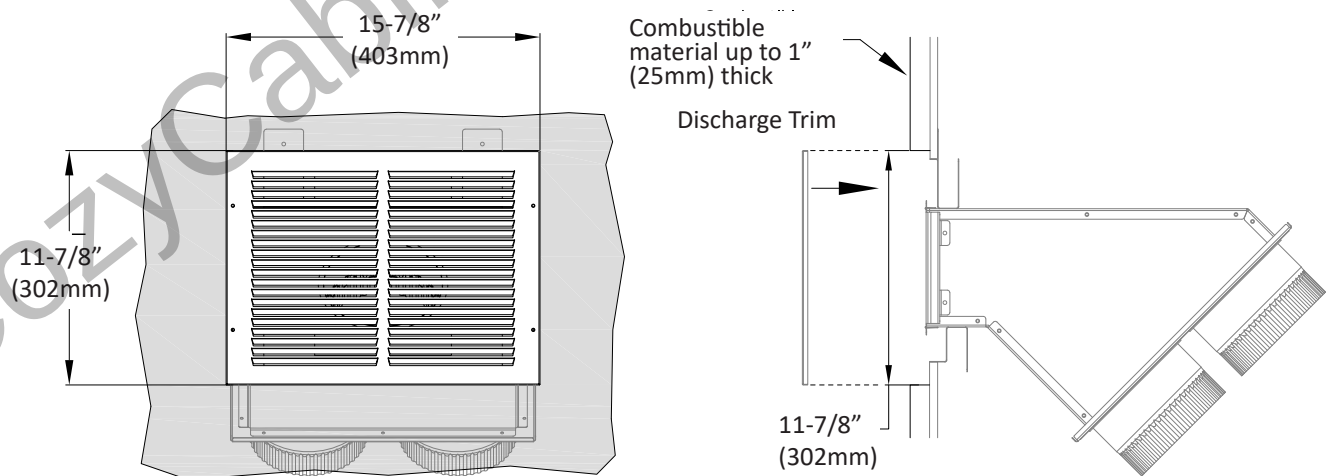


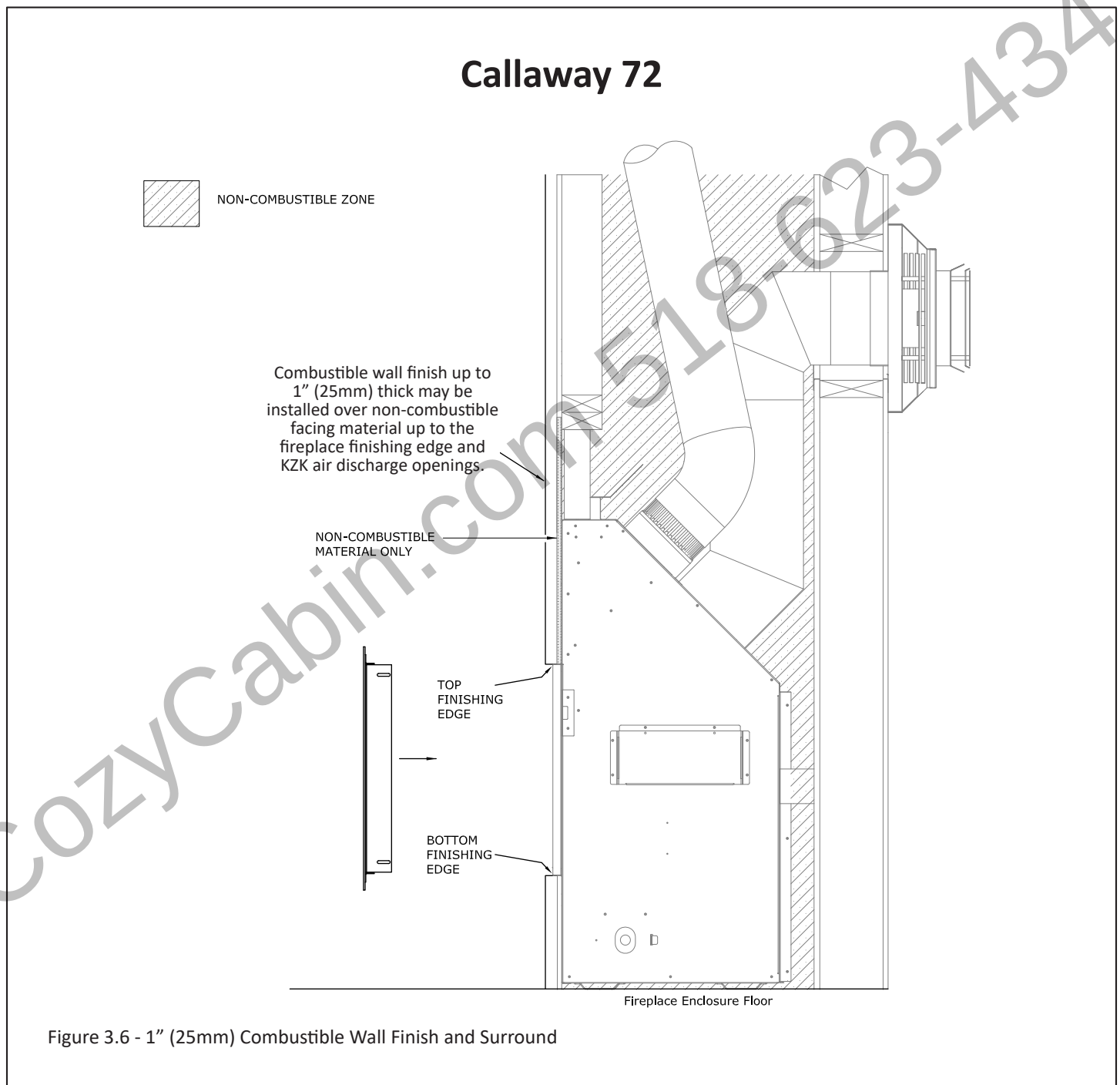
Figure 3.5 - KZK Air Discharge Grille Finishing Trim

3.2.2 Combustible Wall Finish

Figure 3.6 shows the installation of combustible wall finish up to 1" (25mm) thick. This combustible material goes on top of any required non-combustible materials.

This 1" (25mm) combustible material is able to go down to the fireplace finishing edge.

See Figure 3.5 for combustible material around the KZK air discharge grille.



3.2.2 Combustible Wall Finish (continued)

Figure 3.7 shows the installation of combustible wall finish up to 1" (25mm) thick. This combustible material goes on top of any required non-combustible materials.

This 1" (25mm) combustible material is able to go down to the fireplace finishing edge.

See Figure 3.5 for combustible material around the KZK air discharge grille.

Bellingham 52

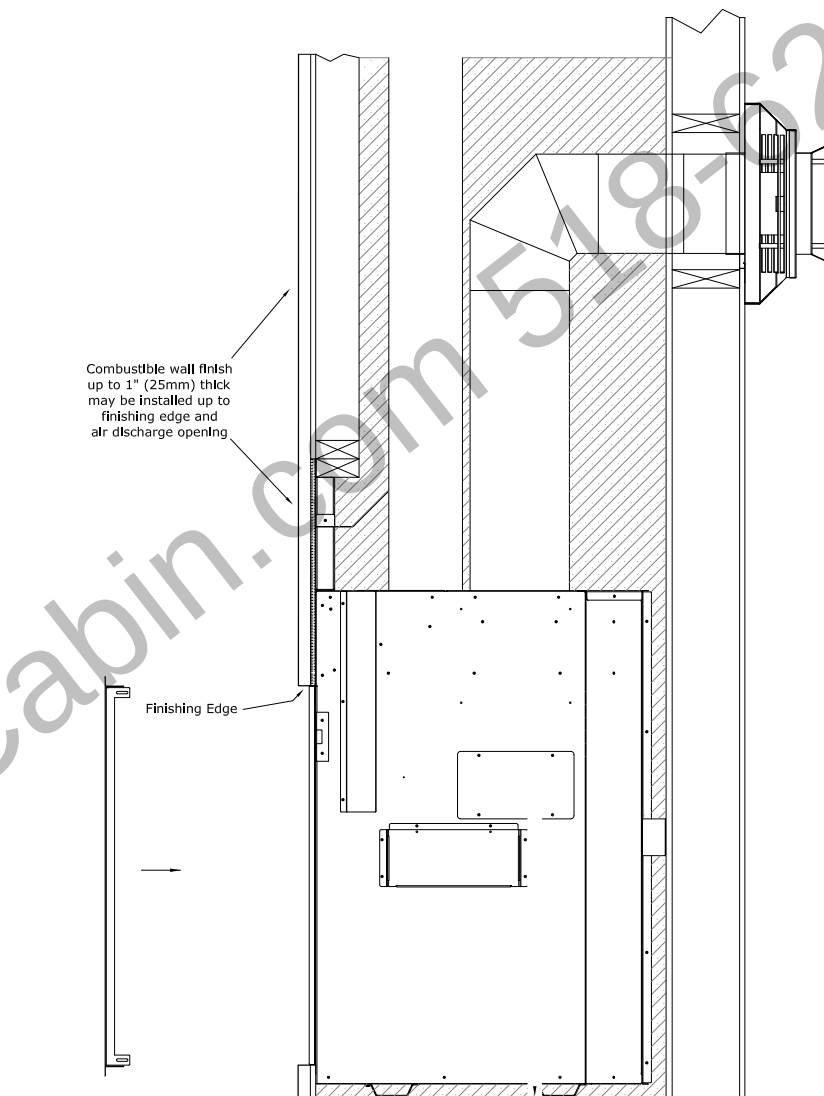


Figure 3.7 - 1" (25mm) Combustible Wall Finish and Surround

3.2.2 Combustible Wall Finish (continued)

Figure 3.8 shows the front facing view of the combustible wall finish. The fireplace shown might look different than your installation. The 1" (25mm) combustible facing material can go up to the finishing edge of the fireplace.

The 1" (25mm) combustible wall finish is required to go on top of any noncombustible finishing material requirements outlined in this manual or the fireplace manual. See Section 3.1 for those requirements.

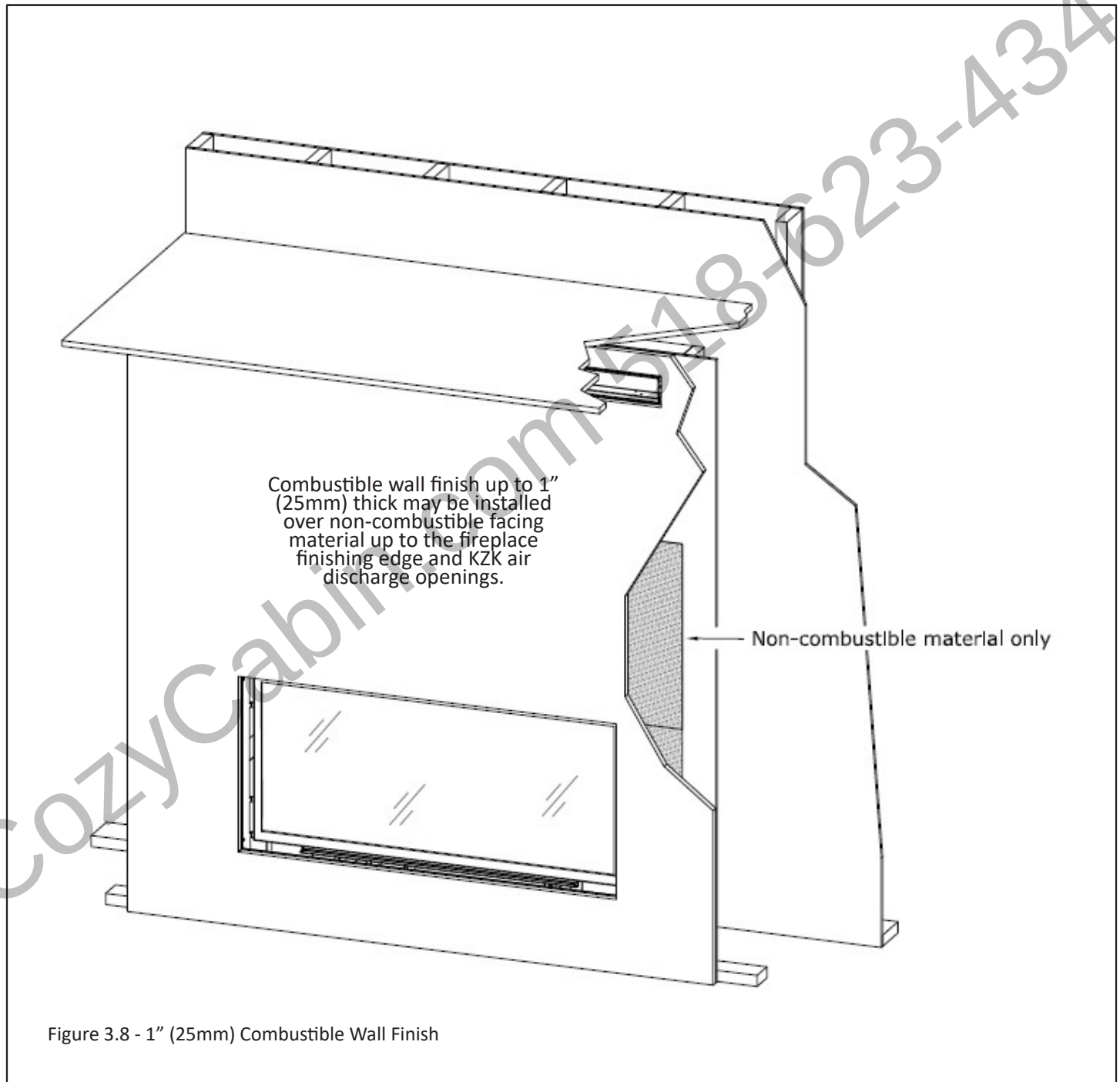


Figure 3.8 - 1" (25mm) Combustible Wall Finish

3.2.3 Non-Combustible Zone

- Figure 3.1 and 3.3 (Callaway 72) and Figure 3.2 (Bellingham 52) show the Non-Combustible Finishing Zone for the minimum requirement of noncombustible facing material.
- Paper faced gypsum board, commonly known as drywall; including Type X Fire Rated board is not a non-combustible material. This material is not approved for use as a non-combustible material around the fireplace.
- WonderBoard brand boards are commonly used as a backerboard for tile. WonderBoard backerboard is not a non-combustible material and is not approved for use in the non-combustible material is required around the fireplace.
- Noncombustible facing and finishing materials must meet ASTM E 136.

3.2.4 Finishing Recommendations

NOTE: The surface area above the appliance may be affected by high temperatures emitted from this appliance. To help avoid or reduce the possibility of the sheetrock to crack, Hussong Mfg. recommends the following methods:

- Ensure the non-combustible material and sheetrock is dry and dust free.
- For taping and mudding seams, we recommend heat resilient tape, mesh and joint compounds, such as Durabond. Mud must be cured as per manufacturers recommendations.
- For a painted surface, use a high quality acrylic latex primer and finish coat. Avoid flat or light-colored paints to prevent discoloring.

Disclaimer: Kozy Heat does not guarantee any materials used around the fireplace. Kozy Heat disclaims any and all liability for any damage to finishing materials including warping, discoloring, cracking, peeling or flaking. This also includes any off-gassing or unpleasant smells from materials when they are heated.

3.3 Hearth and Mantel Clearances

- Do not run any hearth or mantel projection past the fireplace finishing edge which would impede the airflow around the screen barrier.
- If you are using an optional surround ensure the mantel and/or hearth projections leave the appropriate clearance for installation of the surround. See Figure 3.11.

3.3.1 Callaway 72 Hearth, Mantel, and Sidewall Clearances

Combustible Hearth and Mantel Requirements

- Combustible Mantel Projections (no surround): As referenced in Figure 3.9, the 6" (152mm) mantel can start flush with the top finishing edge. Mantel projections can increase 1" (25mm) of depth for every 1" (25mm) of height starting at the 6" (152mm) mantel.
- Combustible Hearth Projections (no surround): A 14" (356mm) combustible hearth can be raised flush to the fireplace bottom finishing edge. Hearth projections can increase 1" (25mm) of projection for every 1" (25mm) away from the fireplace bottom finishing edge. Refer to Figure 3.11 if you are using an optional surround.
- Mantel Leg: Follow "Combustible Sidewall Clearance" below. See Figure 3.10.

Adjacent Sidewall Requirements

- Combustible Sidewall Clearance: The adjacent sidewall projection is unlimited and starts at 6" (152mm) from the side finishing edge of the fireplace. See Figure 3.10.

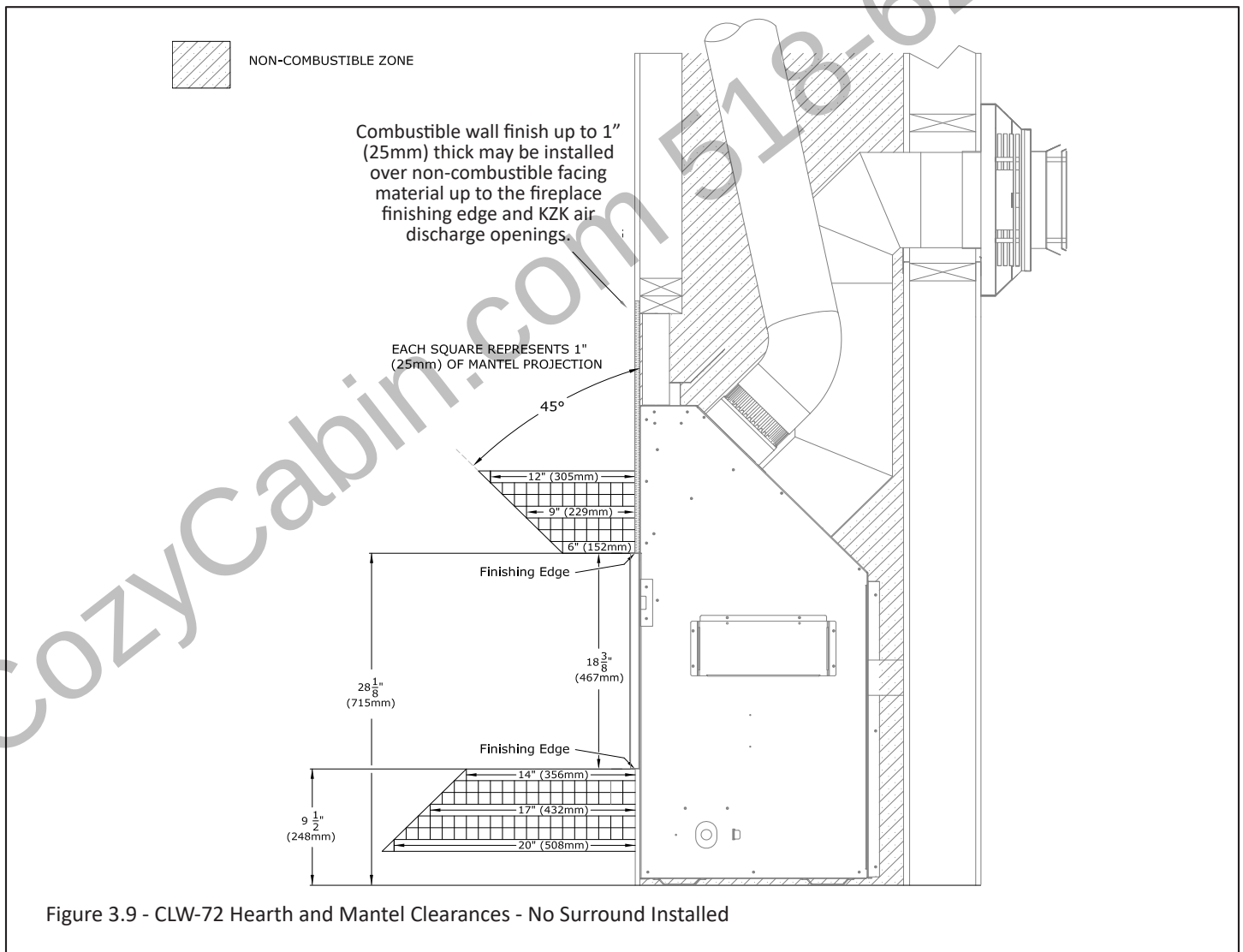


Figure 3.9 - CLW-72 Hearth and Mantel Clearances - No Surround Installed

3.3.1 Callaway 72 Hearth, Mantel, and Sidewall Clearances (continued)

- Figure 3.10 shows the unlimited sidewall projection. If you want to use the KZK air discharge trim or an optional surround on the fireplace opening please provide the necessary clearance.
- See Figure 3.11 for the necessary optional surround clearances.

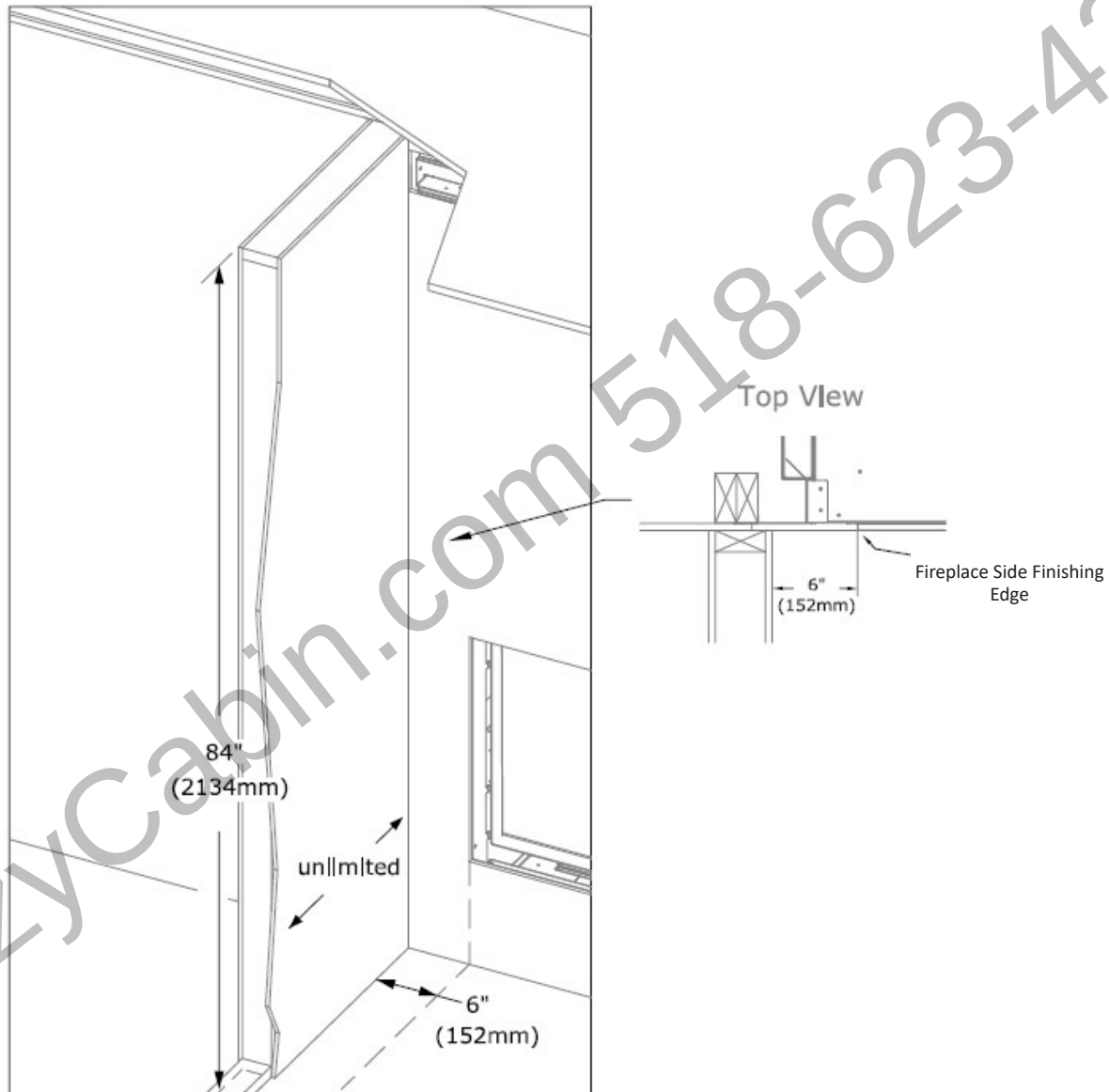
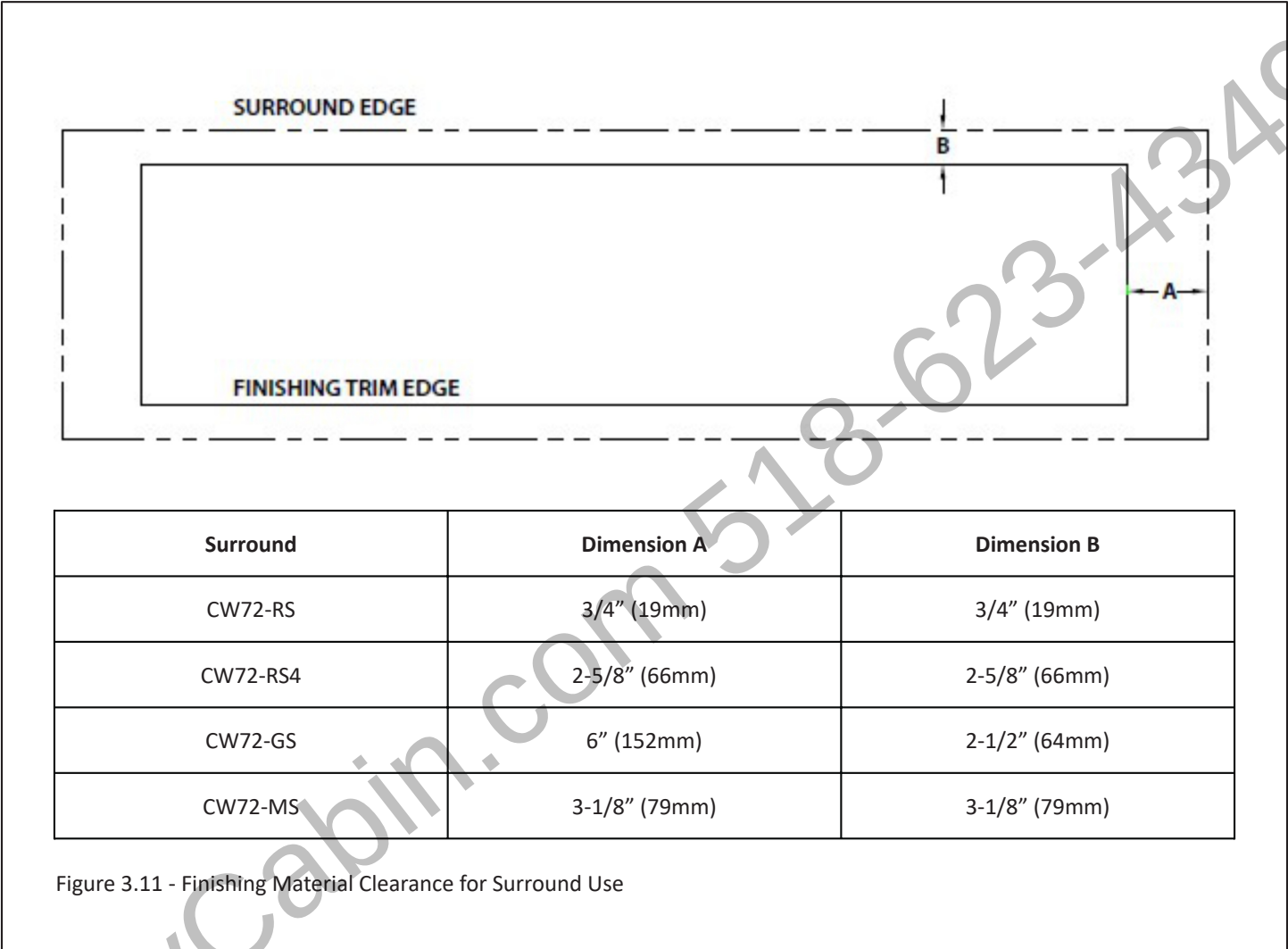


Figure 3.10 - Sidewall Clearances

3.3.1 Callaway 72 Hearth, Mantel, and Sidewall Clearances (continued)

- If the measurement of your facing and finishing material is greater than 1-1/2" (38mm) then your finishing material will have to stop around the outside of the optional surround. In that scenario follow the clearances shown in Figure 3.11.



3.3.2 Bellingham 52 Hearth, Mantel, and Sidewall Clearances

Combustible Hearth and Mantel Requirements

- Combustible Mantel Projections (no surround): As referenced in Figure 3.12, the 6" (152mm) mantel can start flush with the top finishing edge. Mantel projections can increase 1" (25mm) of depth for every 1" (25mm) of height starting at the 6" (152mm) mantel.
- Combustible Hearth Projections (no surround): A 14" (356mm) combustible hearth can be raised flush to the fireplace bottom finishing edge. Hearth projections can increase 1" (25mm) of projection for every 1" (25mm) away from the fireplace bottom finishing edge.
- Mantel Leg: Follow "Combustible Sidewall Clearance" below. See Figure 3.13.

Adjacent Sidewall Requirements

- Combustible Sidewall Clearance: The adjacent sidewall projection is unlimited and starts at 6" (152mm) from the side of the fireplace. See Figure 3.13.

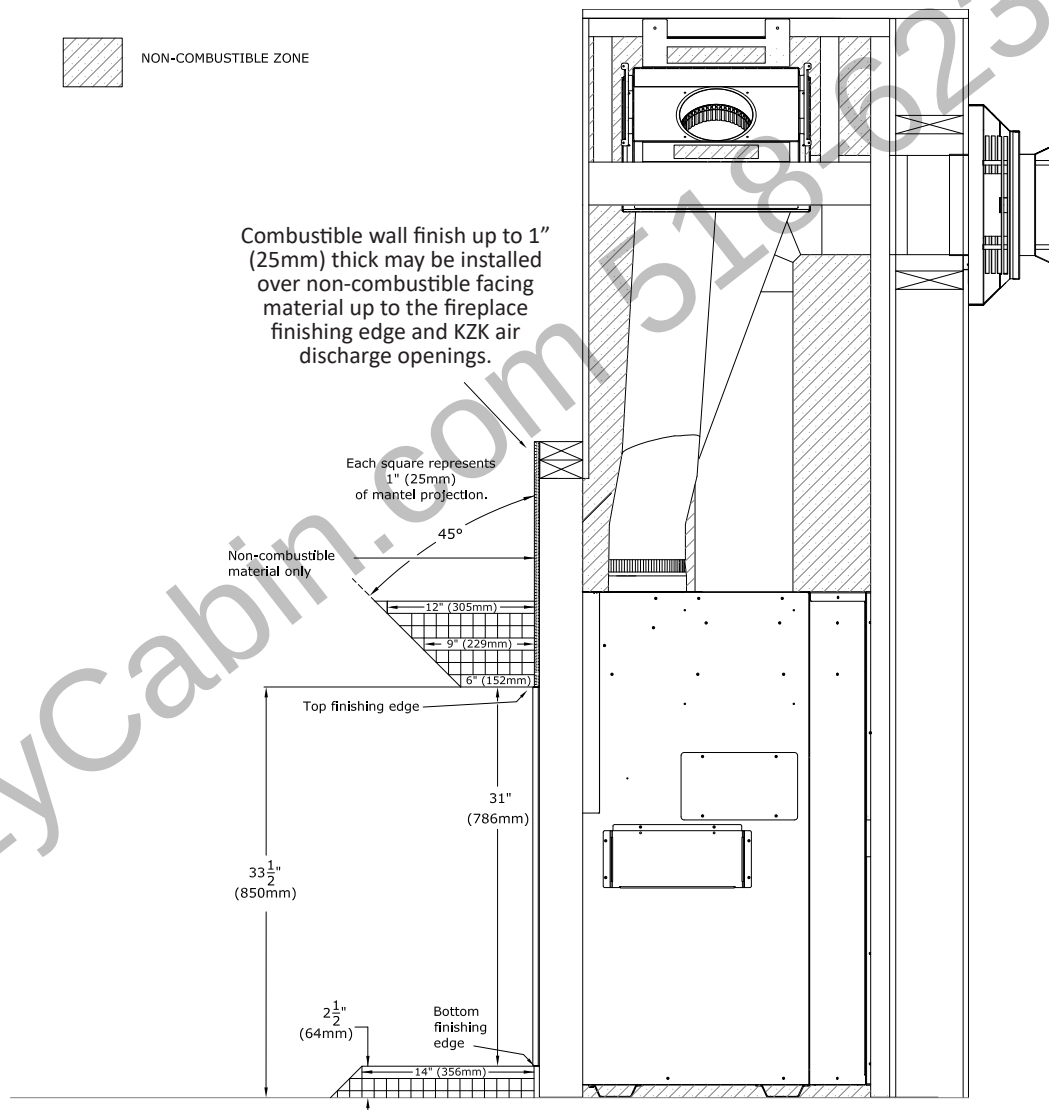
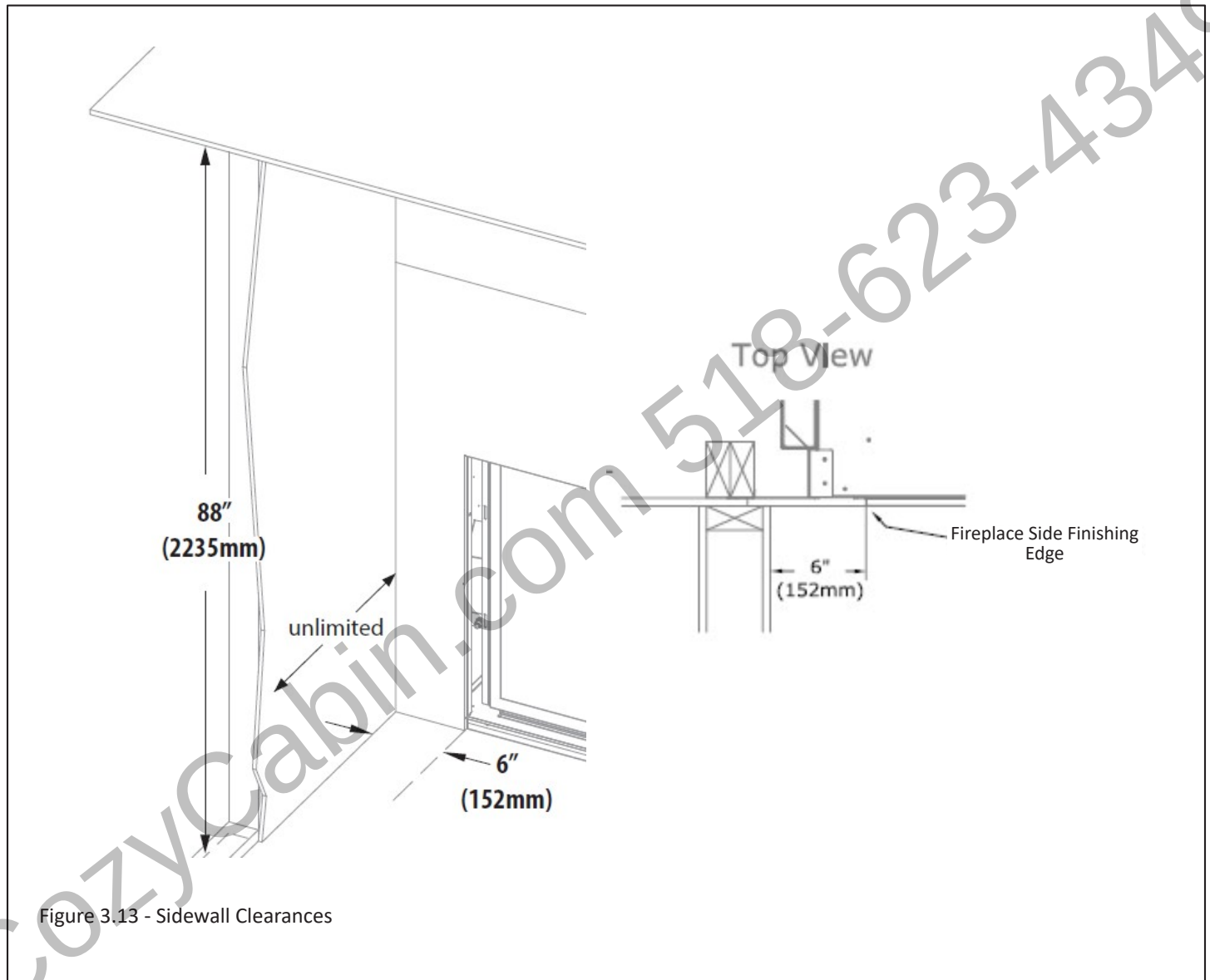


Figure 3.12 - BHM-52 Hearth and Mantel Clearances

3.3.2 Bellingham 52 Hearth, Mantel, and Sidewall Clearances (continued)

- Figure 3.13 shows the unlimited sidewall projection where it is the minimum of 6" (152mm) away from the side fireplace finishing edge.



4.0 Fireplace Preparation & Installation

Both the Generation 6020 and 6020S have all of the KZK requirements outlined in the fireplace manual please refer to fireplace manual for installation information.

4.1 Callaway 72

All contents in this kit are required and must be installed.

The Komfort Zone Kit requires to remove the cover plates and convection baffles to allow the hot airflow to convect upwards into the air ducts installed on the fireplace.

See additional requirements and installation information in the appliance manual.

1. Remove the (24) sheet metal screws that secure the (6) cover plates at the top of the fireplace shown in Figure 4.1. Discard these cover plates. Save the sheet metal screws for the next step.
2. Install the KZK collars that were provided with KZK-1510 as shown in Figure 4.2. Reuse the sheet metal screws from the previous step.
3. Locate the convection baffle as shown in Figure 4.3. There are (2) screws that secure the convection baffle. Remove the screws and convection baffle from the fireplace. Discard the screws and convection baffles. Also See Figure 4.4.
4. Frame the rough opening of the fireplace and KZK plenums. Refer to all pages of this KZK-1510 manual and the Callaway 72 manual. See previous pages of this manual for allowable plenum positions and rough frame opening sizes.

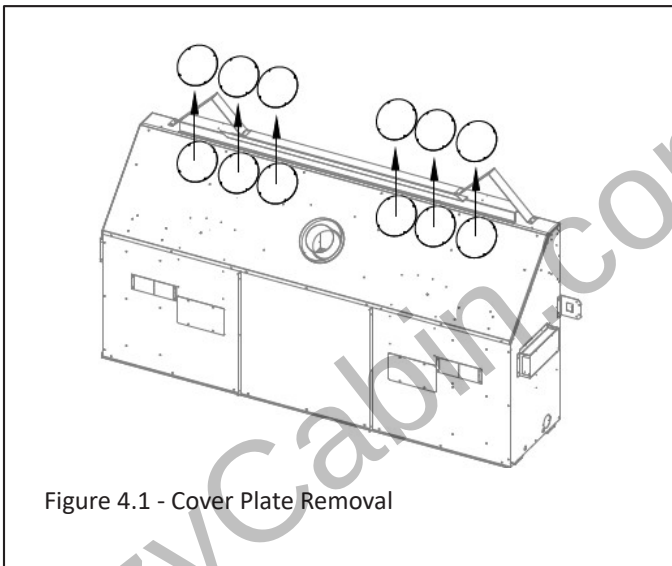


Figure 4.1 - Cover Plate Removal

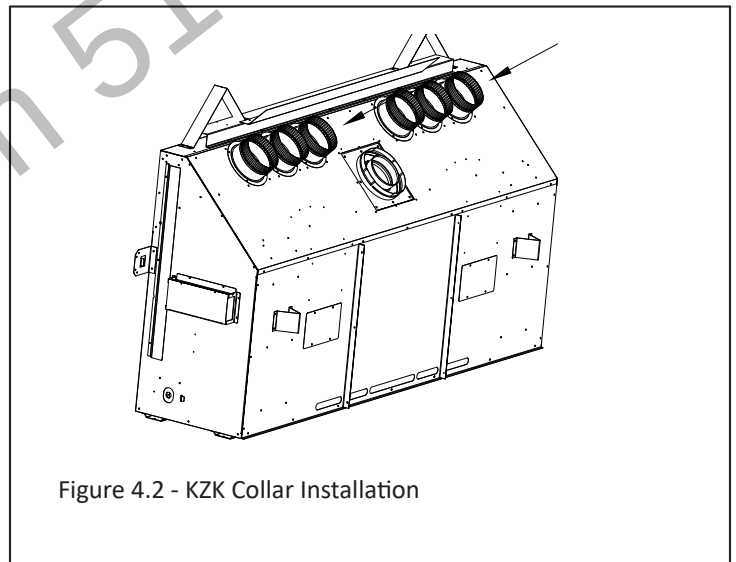


Figure 4.2 - KZK Collar Installation

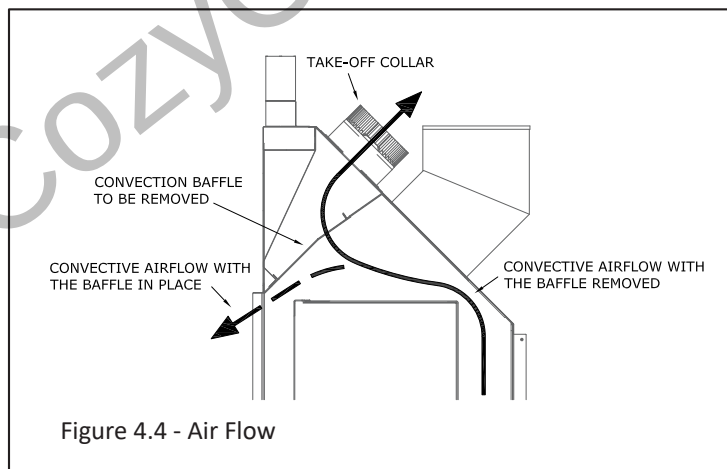
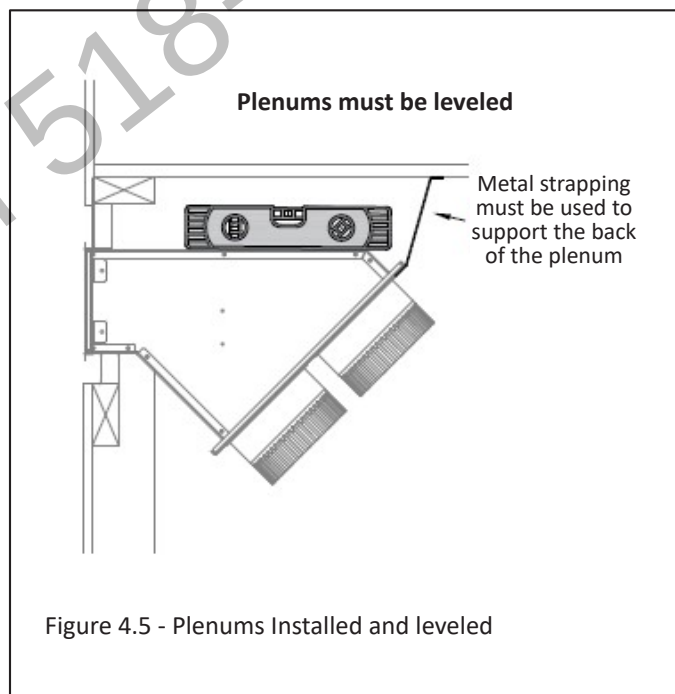
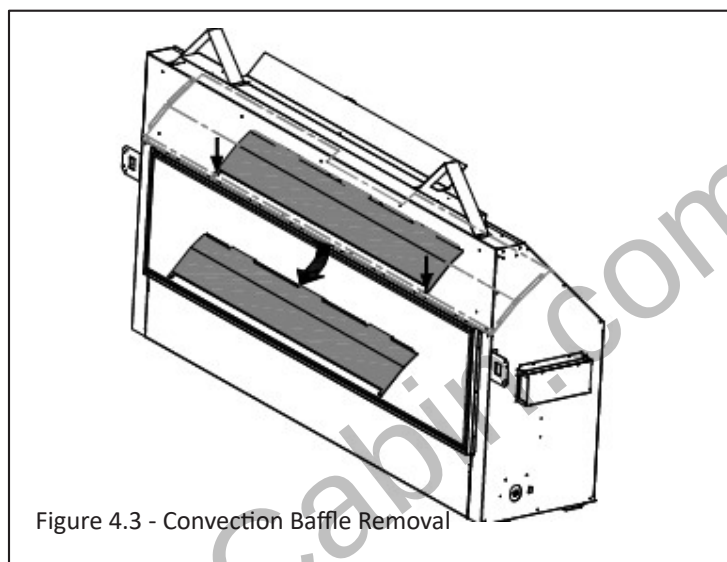
4.1 Callaway 72 (continued)

5. Install the plenums into the rough frame opening maintaining minimum clearances to combustibles, as listed in the previous pages of this manual, and in the fireplace installation manual. Fix the plenums to the framing using nails or screws through the top mounting bracket.

NOTE: Mounting brackets are not intended to carry the weight of the plenums and ducts. Provide support using plumbers tape to the underside of the plenums and ensure the plenums are level and their outlets are not distorted. See Figure 4.5. The plenums MUST be level for proper heat discharge.

6. Use metal strapping (not supplied) as required to further secure the plenums to framing.
7. Attach the ducts from all (6) plenum take off collars to all (6) take off collars on the fireplace. If you are mounting the plenums 10' (3.05m) or less above the fireplace, use (1) #KZK-610 kit or UL-181 Class 0 approved air duct. If you are mounting the plenums between 10' (3.05m) to 20' (6.10m) above the fireplace then you will need (2) #KZK-610 kits and #KZK-CPL6 or UL-181 Class 0 approved air duct.
8. An upward slope must be maintained in horizontal sections of the ducts for proper convection. Support horizontal sections every 24" (610mm).
9. Continue with fireplace installation.

If desired, the air grilles may be painted. Use high temperature paint (250°F or 120°C).



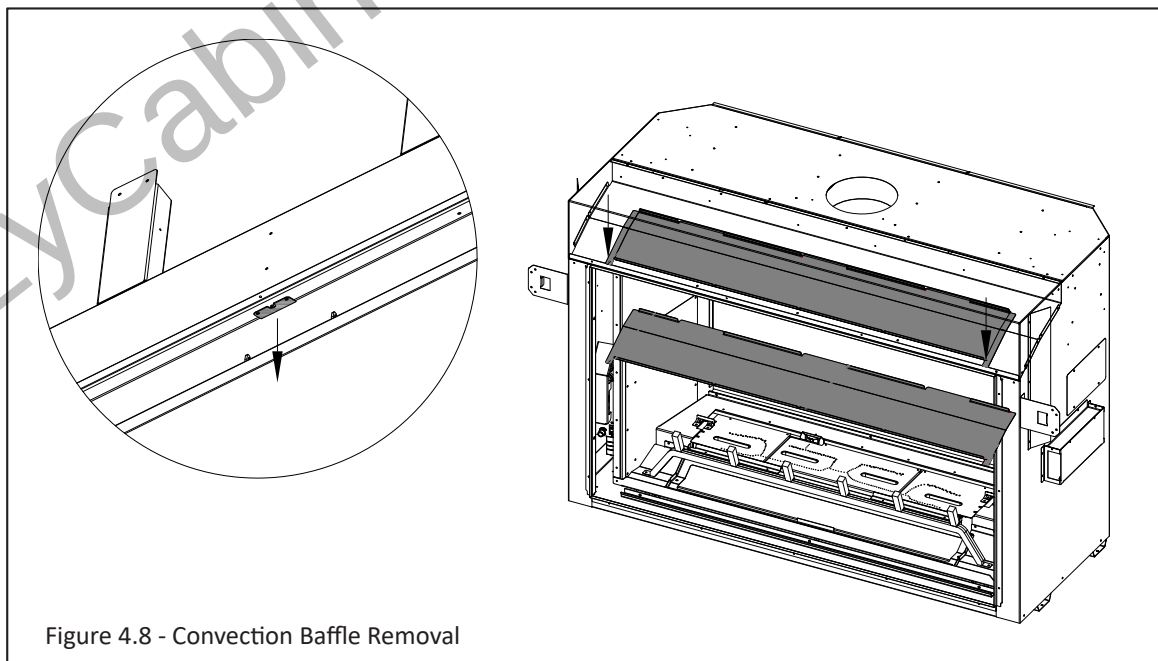
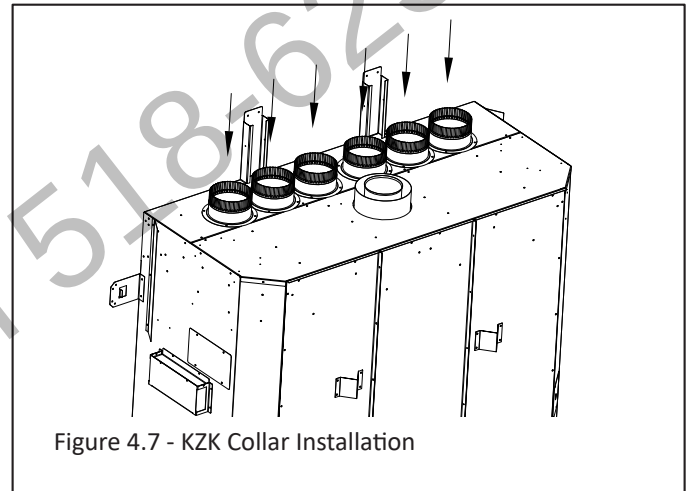
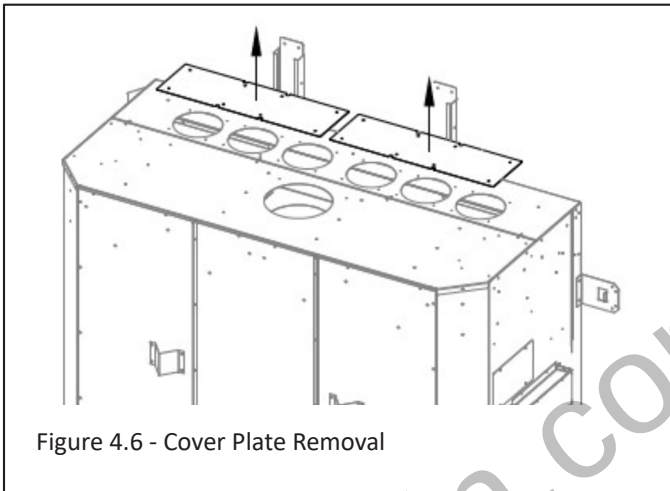
4.2 Bellingham 52

All contents in this kit are required and must be installed.

The Komfort Zone Kit requires to remove the cover plates and convection baffles to allow the hot airflow to convect upwards into the air ducts installed on the fireplace.

See additional requirements and installation information in the appliance manual.

1. Remove the (16) sheet metal screws that secure the (2) cover plates at the top of the fireplace shown in Figure 4.6. Discard these cover plates. Save the sheet metal screws for the next step.
2. Install the KZK collars that were provided with KZK-1510 as shown in Figure 4.7. Reuse the sheet metal screws from the previous step.
3. Locate the convection baffle as shown in Figure 4.8. There are (2) screws that secure the convection baffle. Remove the screws and convection baffle from the fireplace. Also see Figure 4.9.
4. Frame the rough opening of the fireplace and KZK plenums. Refer to all pages of this KZK-1510 manual and the Bellingham 52 manual. See previous pages of this manual for allowable plenum positions and rough frame opening sizes.



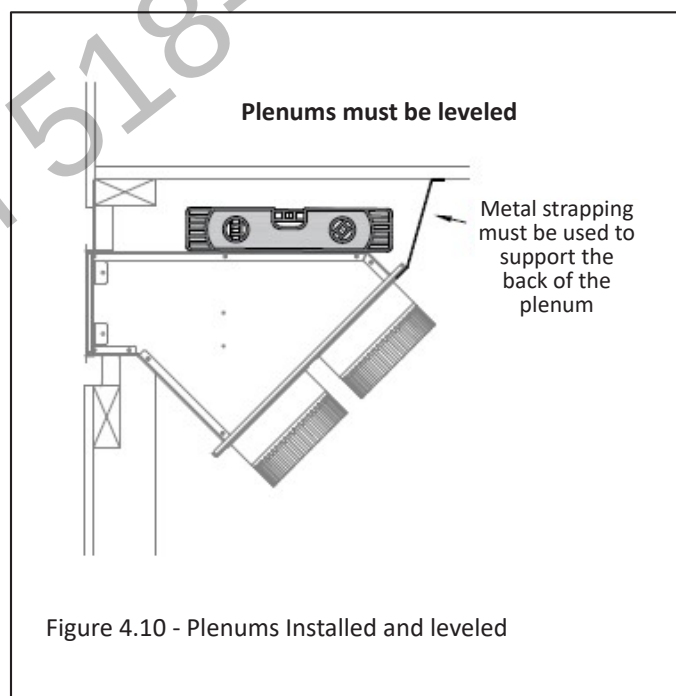
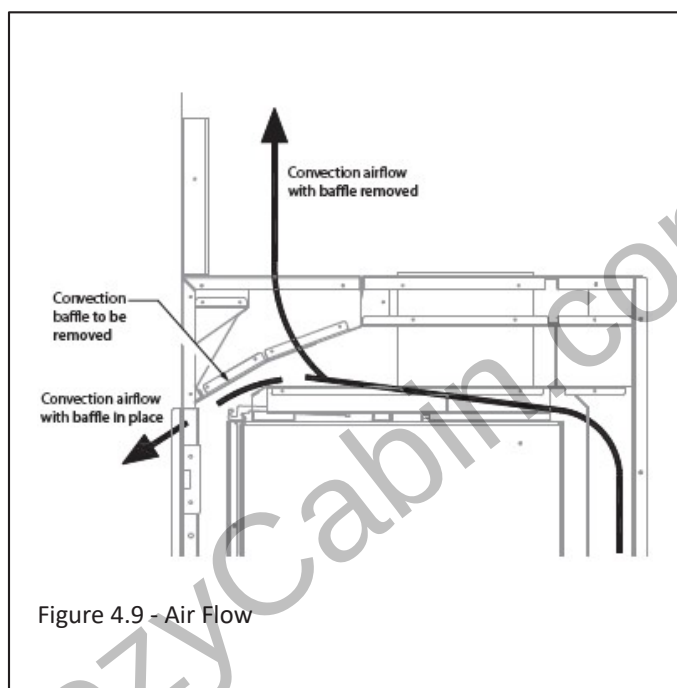
4.2 Bellingham 52 (continued)

5. Install the plenums into the rough frame opening maintaining minimum clearances to combustibles, as listed in the previous pages of this manual, and in the fireplace installation manual. Fix the plenums to the framing using nails or screws through the top mounting bracket.

NOTE: Mounting brackets are not intended to carry the weight of the plenums and ducts. Provide support using plumbers tape to the underside of the plenums and ensure the plenums are level and their outlets are not distorted. See Figure 4.10. The plenums MUST be level for proper heat discharge.

6. Use metal strapping (not supplied) as required to further secure the plenums to framing.
7. Attach the ducts from all (6) plenum take off collars to all (6) take off collars on the fireplace. If you are mounting the plenums 10' (3.05m) or less above the fireplace, use (1) #KZK-610 kit or UL-181 Class 0 approved air duct. If you are mounting the plenums between 10' (3.05m) to 20' (6.10m) above the fireplace then you will need (2) #KZK-610 kits and #KZK-CPL6 or UL-181 Class 0 approved air duct.
8. An upward slope must be maintained in horizontal sections of the ducts for proper convection. Support horizontal sections every 24" (610mm).
9. Continue with fireplace installation.

If desired, the air grilles may be painted. Use high temperature paint (250°F or 120°C).



4.3 Generation 6020 & Generation 6020S

Both the Generation 6020 and 6020S have all of the KZK requirements outlined in the fireplace manual please refer to fireplace manual for installation information.

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