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Company: Fireplaces Unlimited Inc.

Address: 690 Dalton Ave. Kingston, ON K7M 8N8

Website: www.HallOfFlame.ca

Email: info@HallOfFlame.ca

Phone: 613-549-8300

**REQUESTED BY:**

Name: Dominion Home Inspectors

Address: 695 Millhaven Rd. Odessa

Email: info@jginspections.com

Phone: \_\_\_\_\_

Cell Phone: 613 382-1119

Inspector's name: Bobby Turcotte

Reason(s) for inspection: \_\_\_\_\_

Type of inspection requested: ☒ Visual ☐ Technical ☐ Invasive

Date of request: 2025-08-12

**INSPECTION LOCATION:** ☐ Same as requested or:

Name: \_\_\_\_\_

Address: 869 Haverhill drive Kingston

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

Cell Phone: 613 382 1119

WETT #: 13156

Date of inspection: 2025-08-28

**1. Visual Inspection:** This inspection includes the following:

- Measurements of clearances.
- Opening stove doors and all ground-accessible dampers/clean-out doors.
- Visual inspection of the chimney from the ground.
- WETT report documenting all noted deficiencies and red flags that may require a more detailed inspection, including all mandatory photos in the WETT Inspection Standards of Practice (SOP).
- Easily visible portions of the flue (such as first tiles of an open fireplace or top section if the inspector has accessed the roof).

**2. Technical Inspection:** This inspection includes the following:

- All visual elements of the system as indicated in **Visual** Inspection.
- Hands-on work which may include:
  - Taking apart flue pipes,
  - Opening clean-outs,
  - Entering the attic to view additional system components,
  - Accessing the chimney on the roof.
- Review of condition of components removed or exposed through hands-on work and quantity of creosote noted in components and where visible in chimney sections.
- All observations and recommendations documented on WETT Inspection forms, including work completed and areas accessed, along with all mandatory photos.

**3. Invasive Inspection:** This inspection includes the following:

- All visual elements of the system as indicated in **Visual** Inspection.
- All hands-on work as indicated in **Technical** Inspection.
- General construction work to building elements including:
  - Opening of walls or ceilings,
  - Disassembly or invasive work on masonry or prefab chimneys,
  - Examination of chimney liners,
- All observations and recommendations documented on WETT Inspection forms, including work completed and areas accessed, along with mandatory photos.

- Inspection Results:** Indicate inspection results for each component. **Code compliance** = proper use of listed components. N/A = Not Applicable. UTI = Unable To Inspect.
- Suitable (Suitability)** refers to system components that appear to be mechanically and structurally able to provide their designed and intended function.
- Unsuitable** refers to components, or parts thereof, that are not mechanically or structurally suitable to maintain the function they were intended to perform.
- Note: an appliance that has been modified is no longer a certified appliance.
- This inspection report only documents the conditions at the time of inspection.
- All **non-compliance** ratings should be considered for comment.
- See "Comments" page(s)
- An inspection, at any level, can be expected to include some components marked **UTI**.
- Manufacturer's specific instructions/**CSA B365**/building code shall be used to complete this inspection form.
- Appliances are not fired as part of an inspection. This is not a performance inspection.
- The electrical system is not part of a solid-fuel inspection
- Documentary evidence, including a valid certification number of the attending WETT-certified professional, is a mandatory requirement of the inspection process.
- Persons signing a declaration must have physically inspected the work.
- Use one inspection form per appliance. In a multi-chimney situation, this inspection form is limited to the related appliance.
- Inspectors are checking for "**Code Compliance**." They do not "Pass" or "Fail."
- Inspectors do not certify the appliance or the installation.
- Inspectors do not issue a WETT certificate with an inspection, they issue an inspection report.



# MASONRY CHIMNEY & FIREPLACE INSPECTION BASED ON 2018 BCBC / 2019 ABC / 2015 NBC / 2018 OBC

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Has the type of inspection been discussed prior to inspection?</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                  | <b>Chimney constructed with the building:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown<br><input type="checkbox"/> Approximate age _____                                                                    |
| <b>Are copies of building permit/s available?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                         | <b>Shell:</b> <input checked="" type="checkbox"/> Brick <input type="checkbox"/> Block <input type="checkbox"/> Stone <input type="checkbox"/> Other: _____<br>Comments/condition: (See notes.)                                                                         |
| <b>Time of day:</b> <u>0840</u>                                                                                                                                                                                                                                                               | <b>Rain cap:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> With screening <input type="checkbox"/> Without screening                                                                                                 |
| <b>Weather conditions</b> (ice, snow, wind, rain, thunderstorm, sunny):<br><u>Sunny</u>                                                                                                                                                                                                       | <b>How many flues in the chimney:</b> <u>1</u>                                                                                                                                                                                                                          |
| <b>Roofing type/material:</b> <u>Shingles</u>                                                                                                                                                                                                                                                 | <b>Flue being inspected size:</b> _____<br><b>Material</b> _____                                                                                                                                                                                                        |
| <b>Roof accessed?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><b>Attic accessed?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                       | <b>Chimney is:</b> <input type="checkbox"/> Interior <input checked="" type="checkbox"/> Exterior <b>Height from firebox floor:</b> _____                                                                                                                               |
| <b>Fireplace constructed with the building:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown<br><input type="checkbox"/> Approximate age _____                                                                                        | <b>Lined with:</b> <input checked="" type="checkbox"/> Clay tile <input type="checkbox"/> Pumice <input type="checkbox"/> Stainless steel flex<br><input type="checkbox"/> Stainless steel rigid <input type="checkbox"/> Continuous <input type="checkbox"/> Insulated |
| <b>Fireplace is:</b> <input checked="" type="checkbox"/> Interior <input type="checkbox"/> Exterior                                                                                                                                                                                           | <b>Chimney built by:</b> _____ <b>Date:</b> _____<br><input checked="" type="checkbox"/> Unknown                                                                                                                                                                        |
| <b>Is the fireplace:</b> <input type="checkbox"/> Firebrick lined <input checked="" type="checkbox"/> Steel lined<br><input type="checkbox"/> Steel liner assemblies                                                                                                                          | <b>Comments/condition of appliance:</b> Suitable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (see notes)<br><u>From what I can see</u>                                                                                                          |
| <b>Certification standard:</b> <input type="checkbox"/> ULC S639 <input checked="" type="checkbox"/> Uncertified<br><b>Listing agency:</b> <input type="checkbox"/> ULC <input type="checkbox"/> CSA <input type="checkbox"/> WH/ETL                                                          |                                                                                                                                                                                                                                                                         |
| <b>Fireplace location:</b> <input checked="" type="checkbox"/> Basement <input type="checkbox"/> Main Floor<br><input type="checkbox"/> Other (specify): _____                                                                                                                                |                                                                                                                                                                                                                                                                         |
| <b>Is there a fan or blower attached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                 |                                                                                                                                                                                                                                                                         |
| <b>Installed in:</b> <input checked="" type="checkbox"/> Residence (Part 9) <input type="checkbox"/> Modular Home (A277)<br><input type="checkbox"/> Mobile Home/Manufactured (Z240) <input type="checkbox"/> Alcove <input type="checkbox"/> Garage<br><input type="checkbox"/> Other: _____ |                                                                                                                                                                                                                                                                         |
| <b>Fireplace built by:</b> _____ <b>Date:</b> _____<br><input checked="" type="checkbox"/> Unknown                                                                                                                                                                                            |                                                                                                                                                                                                                                                                         |



# MASONRY FIREPLACE INSPECTION BASED ON 2018 BCBC / 2019 ABC 2015 NBC / 2018 OBC

## 1. Fireplace Chimneys = 9.21.2.5.

(1) The size of a chimney flue serving a masonry fireplace shall conform to Table 9.21.2.5.A or Table 9.21.2.5.B

Fireplace opening measurements: Height: \_\_\_\_\_ Width: \_\_\_\_\_ Total: \_\_\_\_\_

Flue size required: \_\_\_\_\_

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

## 2. ABC/BCBC/NBC Lintels or Arches 9.20.5.2

(1) Masonry over openings shall be supported by steel, masonry or reinforced concrete lintels, or masonry arches.

(2) Steel angle lintels supporting masonry veneer above openings shall **a)** conform to Table 9.20.5.2., and **b)** have a bearing length not less than 90 mm (3 1/2").

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

## 3. OBC 9.20.5.2. Lintels or Arches

(1) Masonry over openings shall be supported by steel, reinforced concrete lintels or masonry arches designed to support the imposed loads.

(2) Except as provided in Sentences (3) and (6), steel angle lintels supporting masonry above openings shall conform to Table 9.20.5.2.A.

(3) Steel angle lintels supporting masonry veneer above openings shall conform to Table 9.20.5.2.B.

(4) Steel lintels described in Sentences (2) and (3) shall, **a)** have even and level bearing and shall have not less than 150 mm (6") length of bearing at end supports, and **b)** bear on masonry, concrete or steel.

(5) Steel angle lintels supporting masonry shall be primed or painted or otherwise protected from corrosion.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

## 4. Corbelling 9.20.12.1)

(1) All corbelling shall consist of solid units.

(2) The units referred to in Sentence (1) shall be corbelled so that the horizontal projection of any unit does not exceed 25 mm (1") and the total projection does not exceed one third of the total wall thickness.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

## 5. Footings = 9.22.1.3.

(1) Footings for masonry and concrete fireplaces shall conform to Section 9.15.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

## 6. ABC/BCBC/NBC Combustion Air = 9.22.1.4

(1) Where a supply of combustion air is provided directly to the fire chamber of a fireplace, including a factory-built fireplace, the installation shall comply with the "Outdoor Air Supply" requirements provided in CAN/CSA-A405-M, "Design and Construction of Masonry Chimneys and Fireplaces."

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

#### 7. NBC/ABC 9.33.5.5. Combustion Air

(1) Combustion air intake inlets shall be located on the outside of the building and not within an attic or roof space or crawl space

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

#### 8. OBC 9.22.1.4. Combustion Air

(1) Every solid fuel-fired fireplace, including a factory-built fireplace, shall have a supply of combustion air from outdoors in accordance with Sentences (2) to (7).

(2) The combustion air shall be supplied by a non-combustible and corrosion-resistant supply duct.

(3) The supply duct shall have, **a)** a diameter of not less than 100 mm (4") or equivalent area, and **b)** an exterior intake for entry of air from the outdoors.

(4) The supply duct shall contain a tight-fitting damper that shall be located close to the interior outlet and be operable from the room containing the fireplace.

(5) The operating mechanism shall clearly indicate the actual position of the damper.

(6) The interior outlet shall, **a)** be located as close as possible to the opening in the face of the fireplace, and **b)** be designed to prevent embers from entering the supply duct.

(7) Where a supply of combustion air is provided directly to the fire chamber of a fireplace, including a factory-built fireplace or a steel fireplace liner, the installation shall comply with the "outdoor Air Supply" requirements provided in CAN/CSA-A405-M, "design and Construction of masonry Chimneys and fireplaces".

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

#### 9. Brick or Steel Liners = 9.22.2.1.

(1) Except where a fireplace is equipped with a steel liner, every fireplace shall have a firebrick liner.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

#### 10. Firebrick Liners = 9.22.2.2.

(1) Firebrick liners shall be not less than **a)** 50 mm (2") thick for the sides and back, and **b)** 25 mm (1") thick for the floor.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

#### 11. Firebrick Liners = 9.22.2.2.

(2) Firebrick liners shall be laid with high temperature cement mortar conforming to CAN/CGSB-10.3, "Air Setting Refractory Mortar."

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

#### 12. Firebrick Liners = 9.22.2.2.

(3) Joints between a firebrick liner and the adjacent backing masonry shall be offset.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

#### 13. Steel Liners = 9.22.2.3.

(1) Steel liners for fireplaces shall conform to CAN/ULC-S639-M, "Steel Liner Assemblies for Solid-Fuel-Burning Masonry Fireplaces," and shall be installed in accordance with the installation instructions in that standard

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**14. Thickness of Walls = 9.22.3.1.**

- (1) Except as provided in Sentence (2), the thickness of the back and sides of a fireplace, including the thickness of any firebrick liner, shall be not less than 190 mm (7 ½") where a metal liner or a firebrick liner less than 51 mm (2") thick is used.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**15. Thickness of Walls = 9.22.3.1.**

- (2) When a steel fireplace liner is used with an air circulating chamber surrounding the firebox, the back and sides of the fireplace shall consist of **a)** solid masonry units not less than 90 mm (3 ½") thick, or **b)** hollow masonry units not less than 190 mm (7 ½") thick.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**16. Fire Chamber Dimensions = 9.22.4.1.**

- (1) The distance from the back of the fire chamber to the plane of the fireplace opening shall be not less than 300 mm (12")

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**17. Hearth Extension = 9.22.5.1**

- (1) Except as required in Sentence (2), fireplaces shall have a non-combustible hearth extending not less than 400 mm (16") in front of the fireplace opening and not less than 200 mm (8") beyond each side of the fireplace opening.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☒ No ☐ N/A ☐ UTI

Comments: 8" in front only

**18. Hearth Extension = 9.22.5.1**

- (2) Where the fire chamber floor is elevated more than 150 mm (6") above the hearth, the dimension of the hearth measured perpendicular to the plane of the fireplace opening shall be increased by not less than **a)** 50 mm (2") for an elevation above 150 mm (6") and not more than 300 mm (12"), and **b)** an additional 25 mm (1") for every 50 mm (2") in elevation above 300 mm (12")

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☒ No ☐ N/A ☐ UTI

Comments: 8" in front only

**19. Support of Hearth = 9.22.5.2.**

- (1) Except as permitted in Sentence (2) the fire chamber floor and hearth shall be supported on a reinforced concrete slab not less than 100 mm (4") thick at its supports and, if cantilevered, not less than 50 mm (2") thick at its unsupported edge.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**20. Support of Hearth = 9.22.5.2.**

- (2) A hearth for a fireplace with an opening raised not less than 200 mm (8") from a combustible floor is permitted to be supported on that floor provided the requirements of Clauses 5.3.6.5. to 5.3.6.7. of CAN/CSA-A405-M, "Design and Construction of Masonry Chimneys and Fireplaces" are followed

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

1111

**Condition:**

Comments:

(1)  $\mathbf{E} = \mathbf{E}_0 + \mathbf{E}_1 + \mathbf{E}_2 + \mathbf{E}_3 + \mathbf{E}_4 + \mathbf{E}_5 + \mathbf{E}_6 + \mathbf{E}_7 + \mathbf{E}_8 + \mathbf{E}_9 + \mathbf{E}_{10} + \mathbf{E}_{11} + \mathbf{E}_{12} + \mathbf{E}_{13} + \mathbf{E}_{14} + \mathbf{E}_{15} + \mathbf{E}_{16} + \mathbf{E}_{17} + \mathbf{E}_{18} + \mathbf{E}_{19} + \mathbf{E}_{20} + \mathbf{E}_{21} + \mathbf{E}_{22} + \mathbf{E}_{23} + \mathbf{E}_{24} + \mathbf{E}_{25} + \mathbf{E}_{26} + \mathbf{E}_{27} + \mathbf{E}_{28} + \mathbf{E}_{29} + \mathbf{E}_{30} + \mathbf{E}_{31} + \mathbf{E}_{32} + \mathbf{E}_{33} + \mathbf{E}_{34} + \mathbf{E}_{35} + \mathbf{E}_{36} + \mathbf{E}_{37} + \mathbf{E}_{38} + \mathbf{E}_{39} + \mathbf{E}_{40} + \mathbf{E}_{41} + \mathbf{E}_{42} + \mathbf{E}_{43} + \mathbf{E}_{44} + \mathbf{E}_{45} + \mathbf{E}_{46} + \mathbf{E}_{47} + \mathbf{E}_{48} + \mathbf{E}_{49} + \mathbf{E}_{50} + \mathbf{E}_{51} + \mathbf{E}_{52} + \mathbf{E}_{53} + \mathbf{E}_{54} + \mathbf{E}_{55} + \mathbf{E}_{56} + \mathbf{E}_{57} + \mathbf{E}_{58} + \mathbf{E}_{59} + \mathbf{E}_{60} + \mathbf{E}_{61} + \mathbf{E}_{62} + \mathbf{E}_{63} + \mathbf{E}_{64} + \mathbf{E}_{65} + \mathbf{E}_{66} + \mathbf{E}_{67} + \mathbf{E}_{68} + \mathbf{E}_{69} + \mathbf{E}_{70} + \mathbf{E}_{71} + \mathbf{E}_{72} + \mathbf{E}_{73} + \mathbf{E}_{74} + \mathbf{E}_{75} + \mathbf{E}_{76} + \mathbf{E}_{77} + \mathbf{E}_{78} + \mathbf{E}_{79} + \mathbf{E}_{80} + \mathbf{E}_{81} + \mathbf{E}_{82} + \mathbf{E}_{83} + \mathbf{E}_{84} + \mathbf{E}_{85} + \mathbf{E}_{86} + \mathbf{E}_{87} + \mathbf{E}_{88} + \mathbf{E}_{89} + \mathbf{E}_{90} + \mathbf{E}_{91} + \mathbf{E}_{92} + \mathbf{E}_{93} + \mathbf{E}_{94} + \mathbf{E}_{95} + \mathbf{E}_{96} + \mathbf{E}_{97} + \mathbf{E}_{98} + \mathbf{E}_{99}$

**Condition:**

Comments:

## 20. Wall Thickness - Size 12

**Condition:**

Comments:

(1) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1

Condition:

Comments:

(1) **Method** – The authors used a cross-sectional design.

Condition:

Comments:

(4)  $N = 1$   $U = 100$   $(1\%)$   $L = 1.111$

**Condition:**

Comments:

(9) Not less than a 50 mm (2") clearance shall be provided between the

**Condition:**

Comments:

**28. Heat-Circulating Duct Outlets = 9.22.9.4**

- (1) The clearance of combustible material above heat-circulating duct outlets from those outlets shall be not less than **a)** 300 mm (12") where the combustible material projects not less than 38 mm (1½") from the face, and **b)** 150 mm (6") where the projection is less than 38 mm (1½")

Condition: 1

Compliance: ☐ Yes ☐ No ☒ N/A ☐ UTI

Comments: \_\_\_\_\_



**MASONRY CHIMNEY INSPECTION BASED ON 2018 BCBC / 2019 ABC / 2015 NBC / 2018 OBC**

**29. Cleanout - 9.21.4.7.**

- (1) A cleanout opening with a metal frame and a tight-fitting metal door shall be installed near the base of the chimney flue.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☒ N/A ☐ UTI

Comments: \_\_\_\_\_

**30. Clearance from Combustible Materials - 9.21.5.1.**

- (2) A clearance of not less than 150 mm (6") shall be provided between a cleanout opening and combustible material. Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☒ N/A ☐ UTI

Comments: \_\_\_\_\_

**31. ABC/BCBC/NBC Wall Thickness - 9.21.4.8.**

- (1) The walls of a masonry chimney shall be built of solid units not less than 75 mm (3") thick.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☒ N/A ☒ UTI

Comments: \_\_\_\_\_

**32. OBC Wall Thickness - 9.21.4.8.**

- (1) The walls of a masonry chimney shall be built of solid units not less than 70 mm (2.755") thick.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**33. Lining Materials - 9.21.3.1.**

- (1) Every masonry or concrete chimney shall have a lining of clay, concrete, firebrick or metal.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**34. Clay Liners - 9.21.3.3.**

- (1) Clay liners shall conform to CAN/CSA-A324-M, "Clay Flue Liners"

- (2) Liners referred to in Sentence (1) shall be not less than 15.9 mm thick and shall be capable of resisting, without softening or cracking, a temperature of 1100° C.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**35. Firebrick Liners - 9.21.3.4**

(1) Firebrick liners shall conform to ASTM C 27, "Fireclay and High-Alumina Refractory Brick."

(2) Firebrick liners shall be laid with high-temperature cement mortar conforming to CAN/CGSB-10.3, "Air-Setting Refractory Mortar."

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**36. Concrete Liners - 9.21.3.5.**

(1) Concrete flue liners shall conform to Clause 4.2.6.4 of CAN/CSA-A405-M-87, "Design and Construction of Masonry Chimneys and Fireplaces."

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**37. Clearance from combustible materials 9.21.5.1**

(1) The clearance between masonry or concrete chimneys and combustible framing shall be not less than

(2) a) 50 mm (2") for interior chimneys, and b) 12 mm (1/2") for exterior chimneys.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**38. OBC 9.21.1.4. Chimney or Flue pipe walls**

(1) The walls of any chimney or flue pipe shall be constructed to be smoke- and flame-tight.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**39. ABC/BCBC/NBC 9.21.1.2. Chimney or Flue pipe walls**

(1) The walls of any chimney or flue pipe shall be constructed to be smoke- and flame-tight.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☒ N/A ☐ UTI

Comments: \_\_\_\_\_

**40. Oval Chimney Flues - 9.21.2.6.**

(1) The width of an oval chimney flue shall be not less than two-thirds its breadth.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**41. ABC/BCBC/NBC Separation of Flue Liners - 9.21.4.9.**

(1) Flue liners in the same chimney shall be separated by not less than 75 mm (3") of masonry or concrete exclusive of liners where clay liners are used, or 90 mm (3½") of firebrick where firebrick liners are used.

(2) Flue liners referred to in Sentence (1) shall be installed to prevent significant lateral movement.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☒ N/A ☐ UTI

Comments: \_\_\_\_\_

**42. OBC Separation of Flue Liners - 9.21.4.9.**

- (1) Flue liners in the same chimney shall be separated by not less than 70 mm (2.755") of masonry or concrete exclusive of liners where clay liners are used, or 90 mm (3½") of firebrick where firebrick liners are used.
- (2) Flue liners referred to in Sentence (1) shall be installed to prevent significant lateral movement.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**43. Joints in Chimney Liners - 9.21.3.2.**

- (1) Joints of chimney liners shall be sealed to provide a barrier to the passage of flue gases and condensate into the cavity between the liner and the surrounding masonry.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**44. Joints in Chimney Liners - 9.21.3.2.**

- (2) Joints of clay, concrete or firebrick chimney liners shall be struck flush to provide a straight, smooth, aligned chimney flue.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**45. Installation of Chimney Liners - 9.21.3.7.**

- (1) Chimney liners shall be installed when the surrounding masonry or concrete is placed.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**46. Spaces between Liners and Surrounding Masonry - 9.21.3.8.**

- (1) A space not less than 10 mm (3/8") wide shall be left between a chimney liner and surrounding masonry.
- (2) The space required in Sentence (1) shall not be filled with mortar.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**47. Mortar for Chimney Liners 9.21.3.9**

- (1) Chimney liners used in chimneys for solid-fuel-burning appliances shall be laid in a full bed of **a)** high temperature cement mortar conforming to CAN/CGSB-10.3, "Air Setting Refractory Mortar," or **b)** mortar consisting of 1 part Portland cement to 3 parts sand by volume.
- (2) Chimney liners used in chimneys for oil- or gas-burning appliances shall be laid in a full bed of mortar consisting of one part Portland cement to three parts sand by volume.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**48. Extension of Chimney Liners - 9.21.3.10.**

- (1) Chimney liners shall extend from a point not less than 200 mm (8") below the lowest flue pipe connection to a point not less than 50 mm (2") or more than 100 mm (4") above the chimney cap.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**49. Height of Chimney Flues 9.21.4.4.**

- (1) A chimney flue shall extend not less than **a)** 900 mm (36") above the highest point at which the chimney comes in contact with the roof, and **b)** 600 mm (24") above the highest roof surface or structure within 3 m (10') of the chimney.

Required Height = 900mm (3'/36") Actual = \_\_\_\_\_

Required = 600mm (2'/24") Actual = \_\_\_\_\_

Required Vertical within 3m Horizontal (10') Actual = \_\_\_\_\_

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**50. Lateral Stability - 9.21.4.5.**

- (1) Except as provided in Sentence (2), chimneys shall be braced in accordance with Subsection 4.3.2. to provide lateral stability under wind loads.

- (2) A chimney need not be laterally braced provided **a)** no horizontal outside dimension is less than 400 mm (16"), and **b)** the chimney extends not more than 3.6 m (12') above a roof or the masonry wall of which it forms a part.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**51. Chimney Caps - 9.21.4.6.**

- (1) The top of a chimney shall have a waterproof cap of reinforced concrete, masonry or metal.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**52. Chimney Caps - 9.21.4.6.**

- (2) The cap required in Sentence (1) shall slope from the lining and be provided with a drip not less than 25 mm (1") from the chimney wall.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**53. Chimney Caps - 9.21.4.6.**

- (3) Cast-in-place concrete caps shall be separated from the chimney liner by a bond break and be sealed at that location.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**54. Chimney Caps - 9.21.4.6.**

- (4) Jointed precast concrete or masonry chimney caps shall have flashing installed beneath the cap extending from the liner to the drip edge.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**55. Flashing - 9.21.4.10.**

- (1) Junctions with adjacent materials shall be adequately flashed to shed water.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**56. Clearance from Combustible Materials - 9.21.5.1.**

- (1) The clearance between masonry or concrete chimneys and combustible framing shall be not less than **a)** 50 mm (2") for interior chimneys, and **b)** 12 mm (1/2") for exterior chimneys.

**NOTE:** For purposes of this Sentence, an exterior chimney can be considered to be one which has at least one surface exposed to the outside atmosphere or unheated space over the majority of its height. All other chimneys should be considered to be interior.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**57. Clearance from Combustible Materials - 9.21.5.1**

- (3) Combustible flooring and subflooring shall have not less than a 12 mm (1/2") clearance from masonry or concrete chimneys.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**58. Sealing of Spaces - 9.21.5.2**

- (1) All spaces between masonry or concrete chimneys and combustible framing shall be sealed top or bottom with non-combustible material.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**59. Support of Joists or Beams - 9.21.5.3**

- (1) Joists or beams may be supported on masonry walls which enclose chimney flues provided the combustible members are separated from the flue by not less than 290 mm (11 1/2") of solid masonry

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**60. Inclined Chimney Flues - 9.21.2.3**

- (1) Chimney flues shall not be inclined more than 45° to the vertical.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**61. Intersection of Shingle Roofs and Masonry - 9.26.4.4.**

- (1) The intersection of shingle roofs and masonry walls or chimneys shall be protected with flashing.  
(2) Counter flashing required in Sentence (1) shall be embedded not less than 25 mm (1") in the masonry and shall extend not less than 150 mm (6") down the masonry and lap the lower flashing not less than 100 mm (4").  
(3) Flashing along the slopes of a roof described in Sentence (1) shall be stepped so that there is not less than a 75 mm (3") head lap in both the lower flashing and counter flashing.  
(4) Where the roof described in Sentence (1) slopes upwards from the masonry, the flashing shall extend up the roof slope to a point equal in height to the flashing on the masonry, but not less than 1.5 times the shingle exposure.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**62. Chimney Saddles 9.26.4.8.**

- (1) Except as otherwise permitted in Sentence (5), chimney saddles shall be installed where the upper side of a chimney on a sloping roof is more than 750 mm (30") wide.
- (5) A chimney saddle need not be installed if the intersection between the chimney and roof is protected by sheet metal flashing that extends up the chimney to a height equal to at least one sixth the width of the chimney, but not less than 150 mm (6"), and up the roof slope to a point equal in height to the flashing on the chimney, but not less than 1.5 times the shingle exposure.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**63. Fire Code = 2.6.1.4. Chimneys, Flues and Flue Pipes**

- (1) Every chimney, flue and flue pipe shall be inspected to identify any dangerous condition **a)** at intervals not greater than 12 months, **b)** at the time of addition of any appliance, and **c)** after any chimney fire.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**64. Fire Code = 2.6.1.4**

- (2) Chimneys, flues and flue pipes shall be cleaned as often as necessary to keep them free from dangerous accumulations of combustible deposits.

**Appendix A – A.2.6.1.4 (2)** The presence in a chimney of deposits of soot or creosote in excess of 3mm thick will indicate the need for immediate cleaning, possible modification of burning procedures, and more frequent inspections.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**65. Fire Code = 2.6.1.4**

- (3) A chimney, flue, or flue pipe shall be replaced or repaired to eliminate **a)** any structural deficiency or decay

**Appendix A – A.2.6.1.4. (3) a)** Structural deficiencies are deviations from required construction, such as the absence of a liner or inadequate design of supports or ties. Instances of decay are cracking, settling, crumbling mortar, distortion, advanced corrosion, separation of sections, or loose or broken supports

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

**66. Fire Code = 2.6.1.4**

- (3) A chimney, flue, or flue pipe shall be replaced or repaired to eliminate **b)** all abandoned or unused openings that are not effectively sealed in a manner that would prevent the passage of fire or smoke.

Condition: \_\_\_\_\_

Compliance: ☐ Yes ☐ No ☐ N/A ☒ UTI

Comments: \_\_\_\_\_

|                                                                         |                      |                              |                                        |                                                                                    |                                                             |                              |
|-------------------------------------------------------------------------|----------------------|------------------------------|----------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------|
| 67. Is CO alarm present in same room with solid-fuel-burning appliance? | 9.32.4.2.3 (BCBC)    | <input type="checkbox"/> Yes | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> Yes<br><input checked="" type="checkbox"/> N/A | <input type="checkbox"/> No<br><input type="checkbox"/> UTI | <input type="checkbox"/> Yes |
| 68. Is CO alarm present in same room with solid-fuel-burning appliance? | 9.32.3.9.3 (NBC/ABC) | <input type="checkbox"/> Yes | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> Yes<br><input checked="" type="checkbox"/> N/A | <input type="checkbox"/> No<br><input type="checkbox"/> UTI | <input type="checkbox"/> Yes |
| 69. Is CO alarm present?                                                | 9.33.4.2 (OBC)       | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes<br><input type="checkbox"/> N/A                       | <input type="checkbox"/> No<br><input type="checkbox"/> UTI | <input type="checkbox"/> Yes |

It is the homeowner's responsibility to ensure that the CO alarm is in working condition and installed in accordance with applicable codes.

NOTE: WETT inspectors do not test the CO alarm, they just note if it is present.



File reference #: 869 Haverhill Drive

Photos taken: ☒ Yes ☐ No Number of photos: 10

This checklist contains: 13 pages in total | This report contains: 23 pages in total.

### Comments and observations:

All non-compliance ratings should be considered for comment. Add number of non-compliance line. More pages may be added.

NO CO Detector present

last chimney sweep is unknown

hearth depth too short

Please attach additional page(s) if needed

Customer signature: \_\_\_\_\_

Inspector signature: [Signature]

Inspector WETT #: 13156

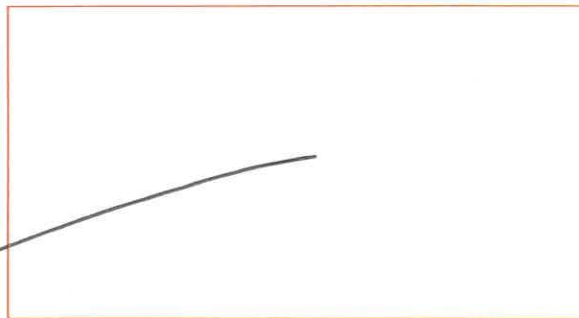
Date: \_\_\_\_\_

Date: 2025-08-28

### PHOTOS:

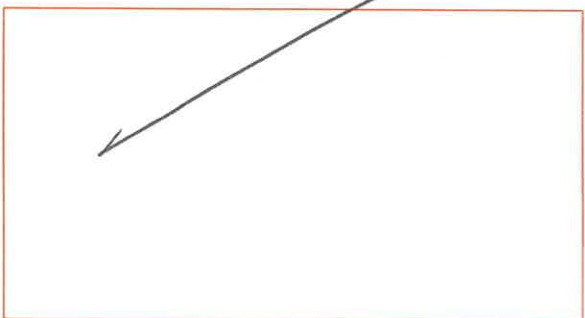
Section #: \_\_\_\_\_

Section #: \_\_\_\_\_



Section #: \_\_\_\_\_

Section #: \_\_\_\_\_



*See attached*







