



JB ENGINEERING AND CODE CONSULTING, P.C.

1661 Cardinal Drive • Munster, IN 46321
Phone: 219-922-6171 Fax: 219-922-6172
E-Mail: JBEngineer@aol.com

JULIUS A. BALLANCO, P.E.
President

January 22, 2009

Mr. Rick Harpenau
In-O-Vate Technologies
810 Saturn Street
Jupiter, FL 33477

Dear Mr. Harpenau:

RE: 2006 International Codes (and earlier editions)

You requested clarification of the installation of the Dryer Box in a back-to-back arrangement in 1 hour fire-resistance rated wall assemblies. This request is based on the UL testing of the Dryer Box as a through penetration membrane device, the 2006 International Building Code, and 2006 International Residential Code. This would also be applicable to the 2009 International Residential Code.

Please be advised that the Dryer Box can be installed in both sides of a 1 hour fire-resistance rated wall assembly, provided the installation follows certain requirements. The Dryer Boxes cannot back up to one another in the 1 hour assembly. This means that each Dryer Box must be located in a separate wall cavity. The installation of each Dryer Box must conform to the manufacturer's installation instructions.

The installation would apply to both wood and metal stud wall assemblies that are UL listed as 1 hour fire-resistance rated assemblies. The wall cavity housing each Dryer Box must be filled with fiberglass batt insulation.

I have prepared six separate drawings that identify the details of the Dryer Box installation. The details drawings are identified as Drawing Number M1 through M6. These drawings provide a depiction of the acceptable installation of Dryer Box in a back-to-back installation.

If you have any questions regarding these designs, please don't hesitate to call.

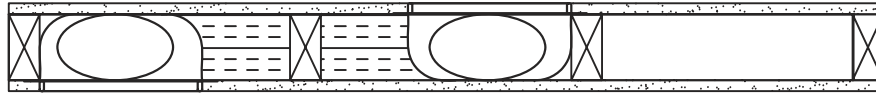
Cordially yours,

A handwritten signature in blue ink that reads "Julius Ballanco". The signature is stylized and cursive.

Julius Ballanco, P.E.

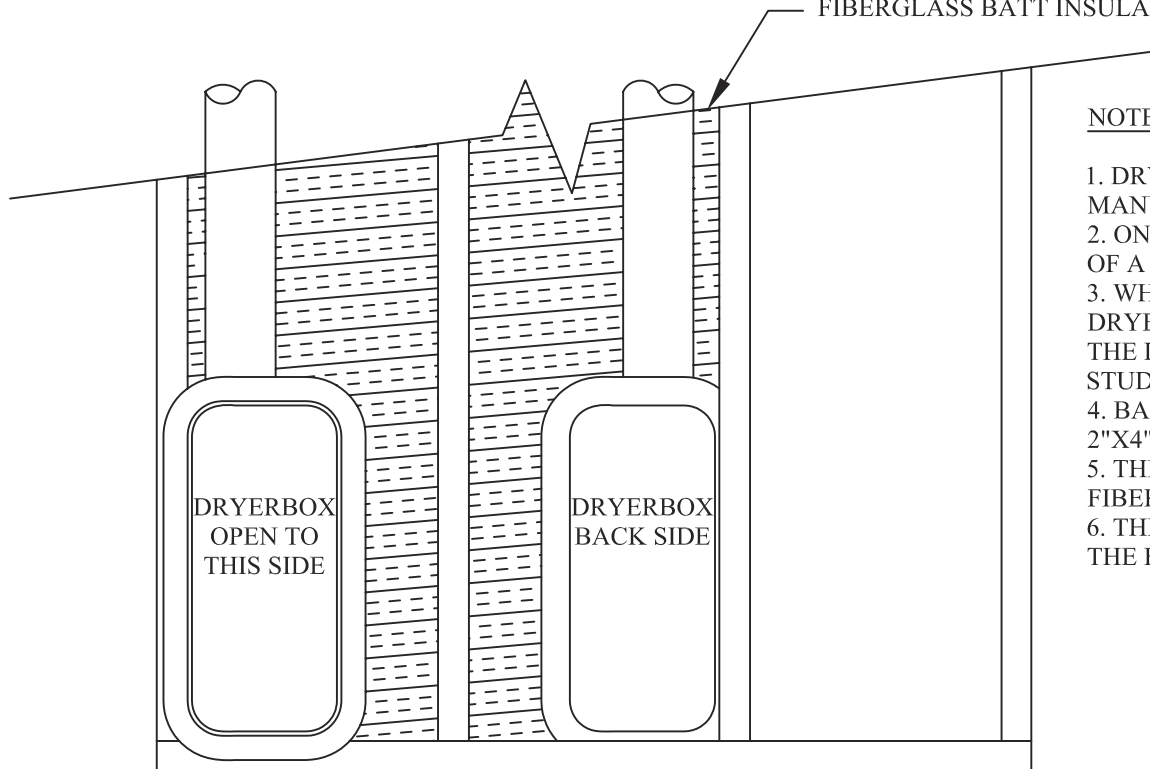
1 HR FIRERESISTANCE RATED WALL
ASSEMBLY:
 2"x4" WOOD STUD
 5/8" TYPE X GYPSUM WALLBOARD

DRYERBOX OPEN TO
THIS SIDE



DRYERBOX OPEN TO
THIS SIDE

FIBERGLASS BATT INSULATION



NOTES:

1. DRYERBOX TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND UL LISTING.
2. ONLY ONE DRYERBOX SHALL BE INSTALLED IN A CAVITY SPACE OF A 1 HR FIRERESISTANCE RATED WALL ASSEMBLY.
3. WHEN INSTALLED IN BACK-TO-BACK ARRANGEMENTS, EACH DRYERBOX SHALL BE INSTALLED IN A SEPARATE WALL CAVITY. THE DRYERBOXES SHALL BE SEPARATED BY A WOOD OR METAL STUD BETWEEN THE WALL CAVITIES.
4. BACK-TO-BACK INSTALLATIONS ARE PERMITTED FOR EITHER A 2"X4" STUD WALL ASSEMBLY OR A 2"X6" STUD WALL ASSEMBLY.
5. THE STUD CAVITY WITH THE DRYERBOX MUST BE FILLED WITH FIBERGLASS BATT INSULATION.
6. THE DRYERBOX MAY BE INSTALLED AT ANY ELEVATION ABOVE THE FINISHED FLOOR.



**350 DRYERBOX
 BACK-TO-BACK
 INSTALLATION**

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1661 CARDINAL DRIVE, MUNSTER, IN 46321 TEL:219-922-6171; FAX: 219-922-6172
 JULIUS BALLANCO, P.E. IN REG# PE60900631 - IN ENG PROF CORP # PC50910000

DWG. NO.

DRAWN BY: JB

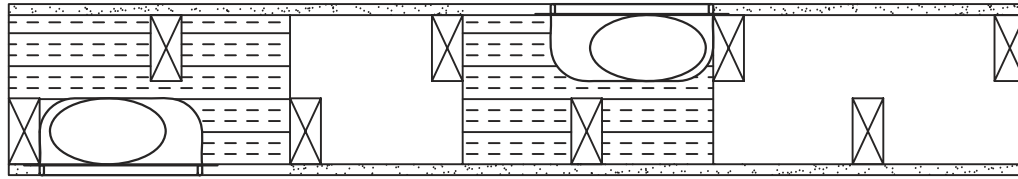
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M-1

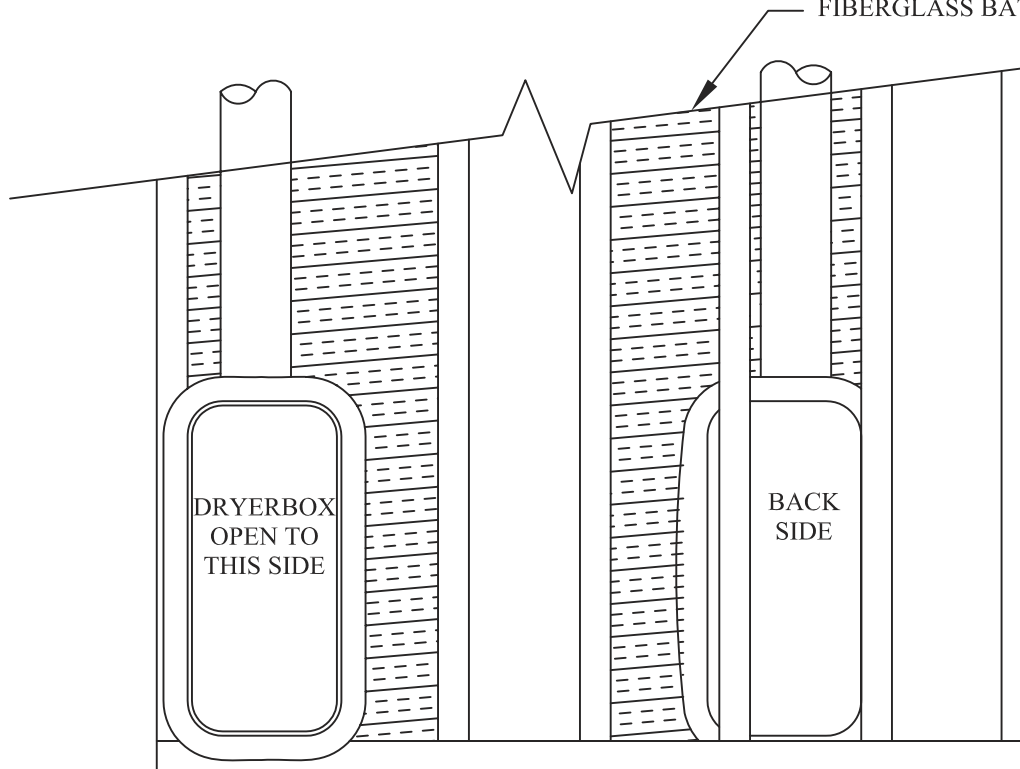
1 HR FIRERESISTANCE RATED WALL ASSEMBLY:
 2"x4" WOOD STUD
 5/8" TYPE X GYPSUM WALLBOARD

DRYERBOX OPEN TO THIS SIDE



DRYERBOX OPEN TO THIS SIDE

FIBERGLASS BATT INSULATION



NOTES:

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**350 DRYERBOX
 OFFSET
 DOUBLE WALL**

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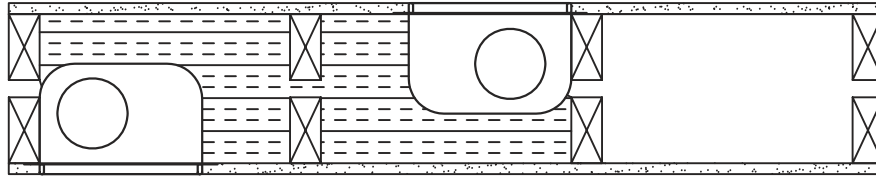
M-2

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DATE: 9/19/07

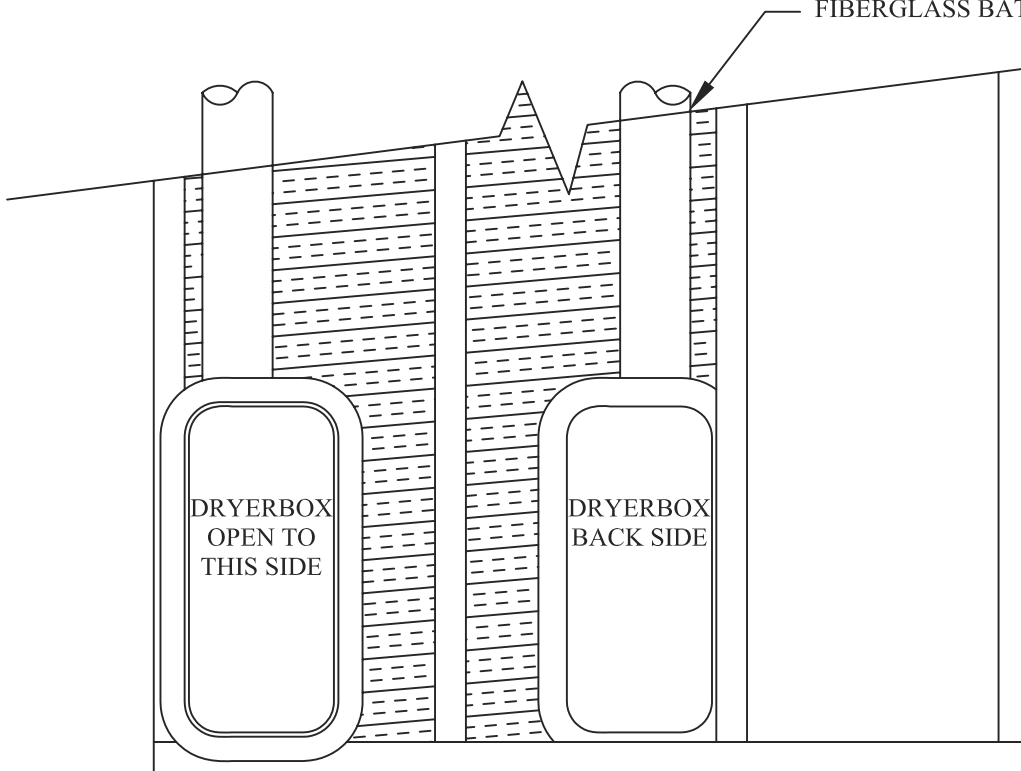
DRYERBOX OPEN TO THIS SIDE



1 HR FIRERESISTANCE RATED WALL ASSEMBLY:
 2"x4" WOOD STUD
 5/8" TYPE X GYPSUM WALLBOARD

DRYERBOX OPEN TO THIS SIDE

FIBERGLASS BATT INSULATION



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**425 DRYERBOX
 BACK-TO-BACK
 DOUBLE WALL**

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M-3

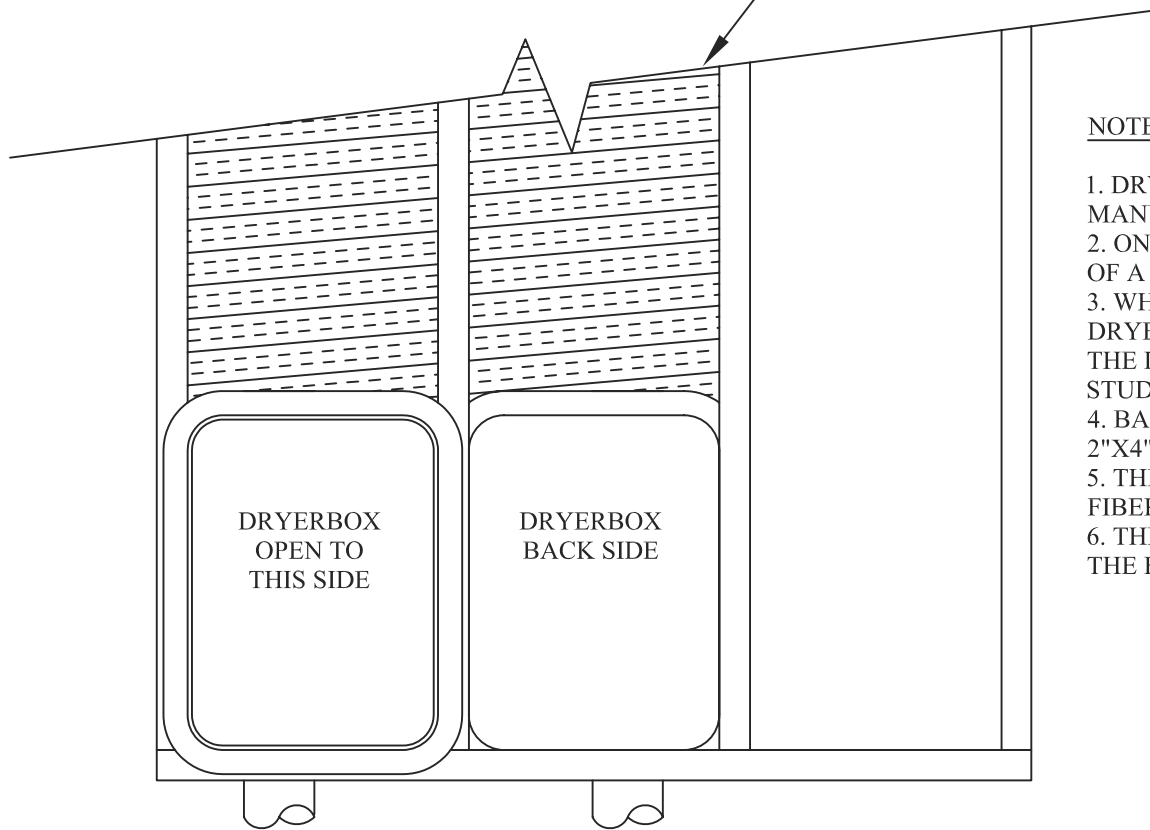
1 HR FIRERESISTANCE RATED WALL ASSEMBLY:
 2"x4" WOOD STUD
 5/8" TYPE X GYPSUM WALLBOARD

DRYERBOX OPEN TO THIS SIDE



DRYERBOX OPEN TO THIS SIDE

FIBERGLASS BATT INSULATION



NOTES:

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**3D DRYERBOX
 BACK-TO-BACK
 INSTALLATION**

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M-4

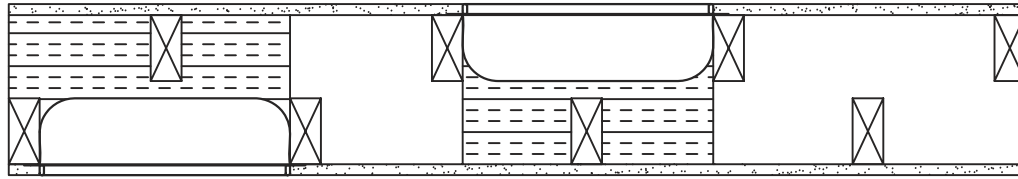
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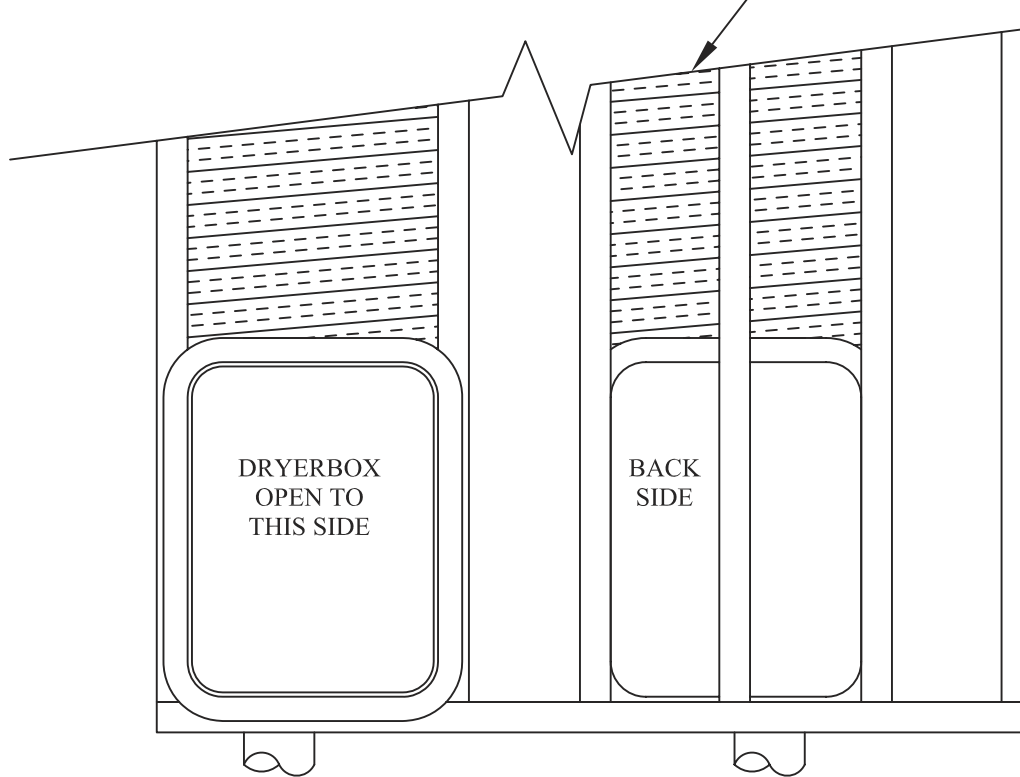
1 HR FIRERESISTANCE RATED WALL ASSEMBLY:
 2"x4" WOOD STUD
 5/8" TYPE X GYPSUM WALLBOARD

DRYERBOX OPEN TO THIS SIDE



DRYERBOX OPEN TO THIS SIDE

FIBERGLASS BATT INSULATION



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**3D DRYERBOX
 OFFSET
 DOUBLE WALL**

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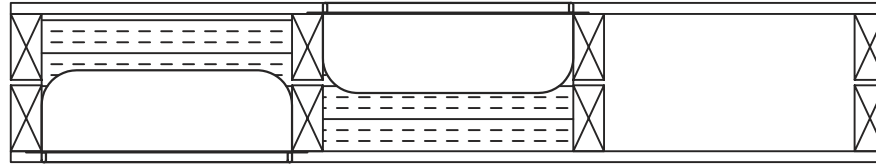
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DATE: 9/19/07

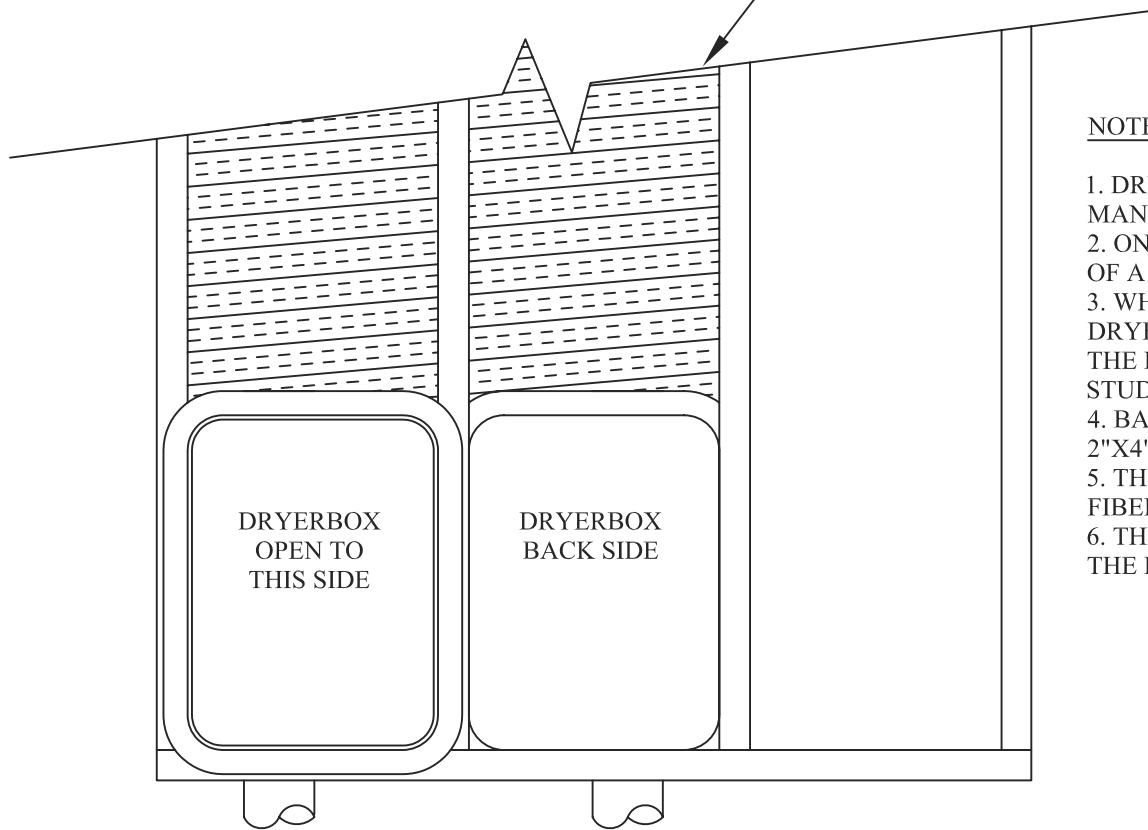
DRYERBOX OPEN TO THIS SIDE



1 HR FIRERESISTANCE RATED WALL ASSEMBLY:
 2"x4" WOOD STUD
 5/8" TYPE X GYPSUM WALLBOARD

DRYERBOX OPEN TO THIS SIDE

FIBERGLASS BATT INSULATION



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**4D DRYERBOX
 BACK-TO-BACK
 DOUBLE WALL**

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M-6

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SCALE: NTS

DATE: 10/15/07