

LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT 'CUT' ON THE PLANS.

NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ('CUT') ON THE PLANS.

LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:
115 MPH WIND IN 2018 IBC MAP
 (115 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IBC R601.2(1))
 EXP. B, RISK CAT. 2 + SEISMIC CAT. A/B

THE DESIGN HAS COMPLETED PER 2018 IBC (SECTION 1604) & ASCE 7-10, AS PERMITTED BY R601.3 OF THE 2018 IBC, OR THE SIMPLIFIED PRESCRIPTIVE PROCEDURE IN ACCORDANCE WITH THE 2018 IBC IF THE PARAMETERS OF SECTION R602.2 COMPLY. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREBY, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

EXT. WALL SHEATHING SPECIFICATION

- 1/2" OSB OR 5/8" PLYWOOD
- FASTEN SHEATHING W/ 2" x 0.131" NAILS @ 8" O.C. AT EDGES & 12" O.C. IN PANEL FIELD. (TYP. UNLESS OTHERWISE NOTED)
- HORIZONTAL BLOCKING OF EXT. WALL SHEAR WALL PANEL EDGES IS NOT REQUIRED BY THIS DESIGN EXCEPT FOR THOSE AREAS SPECIFICALLY NOTED
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALL STAPLE CONNECTION SPEC. 1 3/4" W GA STAPLES @ 6" O.C. AT EDGES & 8" O.C. IN FIELD.

BLOCKED PANEL EDGES

- AT DESIGNATED AREAS - FASTEN SHEATHING W/ 2" x 0.131" NAILS @ 8" O.C. AT ALL PANEL EDGES AND 12" O.C. IN THE PANEL FIELD. (TYP. UNLESS OTHERWISE NOTED)
- ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2X HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.

3" O.C. EDGE NAILING

- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING W/ 2" x 0.131" NAILS @ 3" O.C. NO STAPLE ALTERNATIVE AVAILABLE AT THIS TIME. ALL SHEATHING PANELS SHALL BE ORIENTED AND INSTALLED FULL HEIGHT OF SHEAR WALL OR 2X HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.

NOTES

- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILS. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, UNLESS OTHERWISE NOTED.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-FABRICATED PANELIZED WALLS: FASTEN TO EITHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.131" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

--- INDICATES EXTENT OF INT. OSB SHEARWALL, BLOCKED PANEL EDGES, AND/OR 3" O.C. EDGE NAILING

215/21

MULHERN+KULP
 RESIDENTIAL STRUCTURAL ENGINEERING
 300 Riverside Ave, Building 4 - Jarris - PA 15202
 P: 412.642.3001 F: 412.642.3002

Project number: 093-18047

Project: SDI
 Drawn by: MDH
 Issue date: 09-04-18

Scale: 1/8" = 1'-0"

LATERAL NOTES & DETAILS

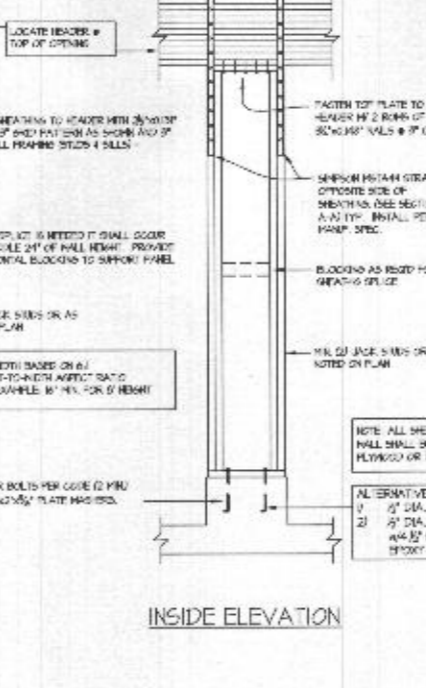
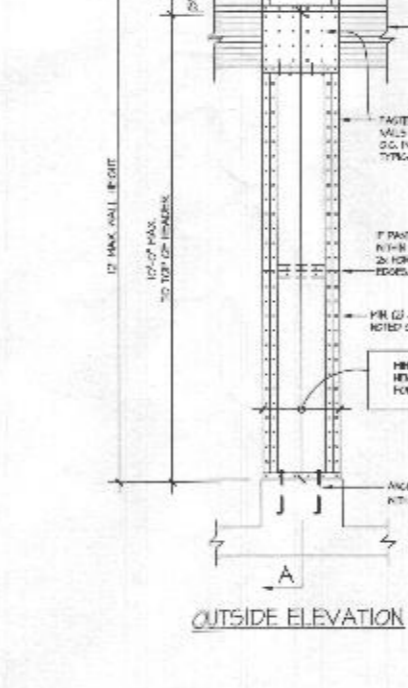
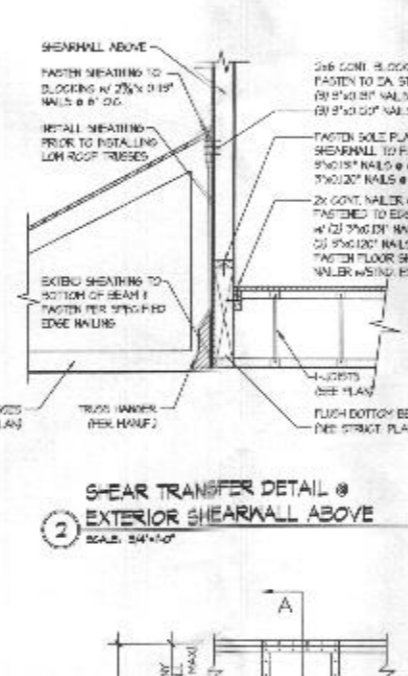
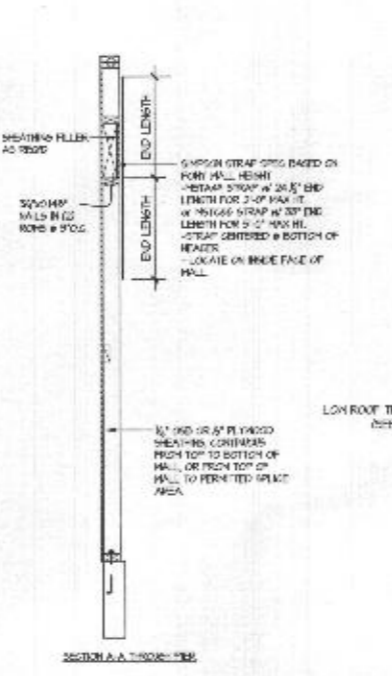
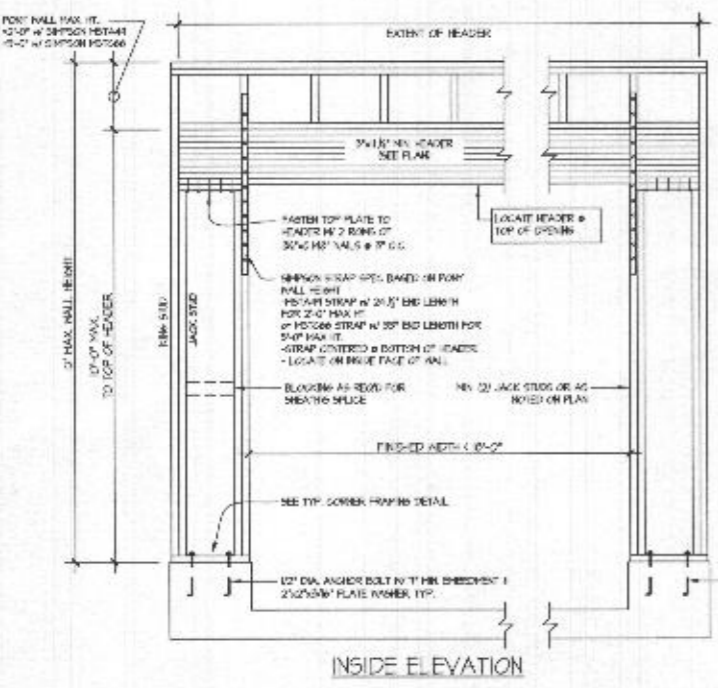
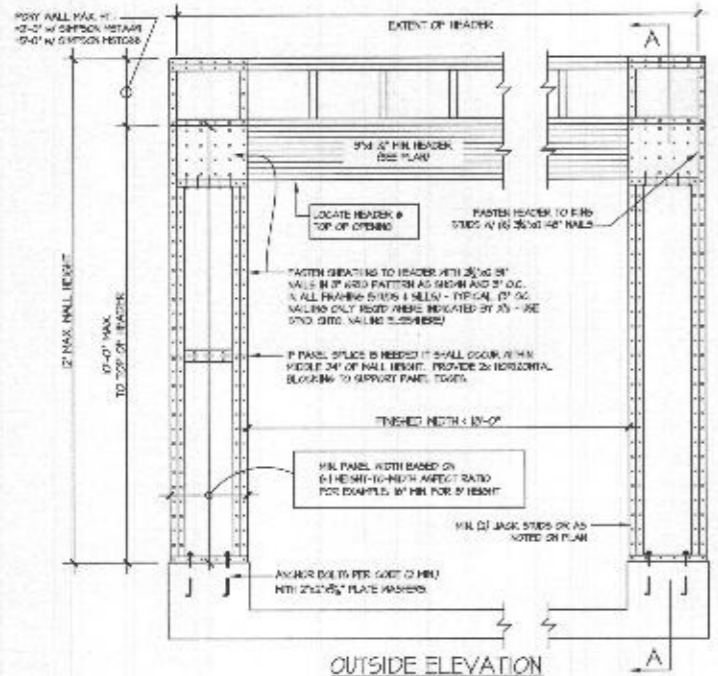
BHBC MANAGEMENT

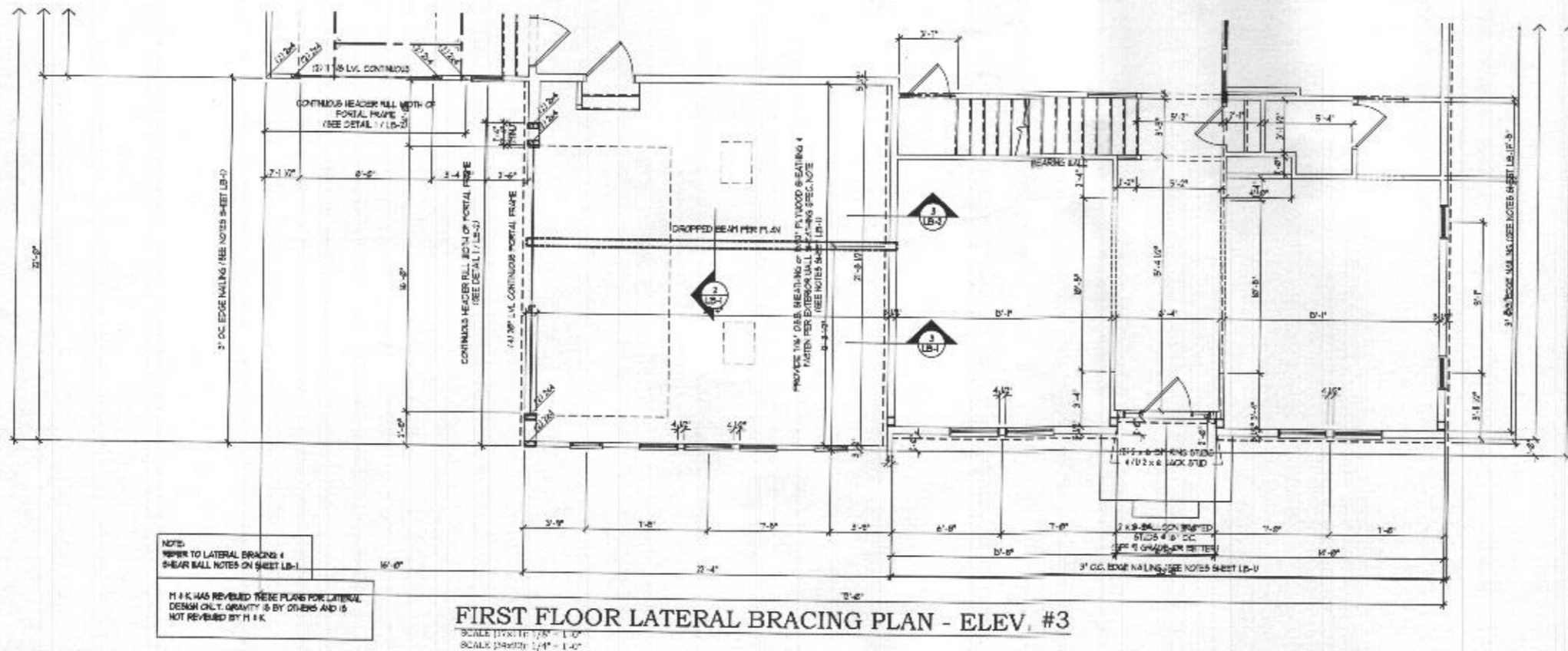
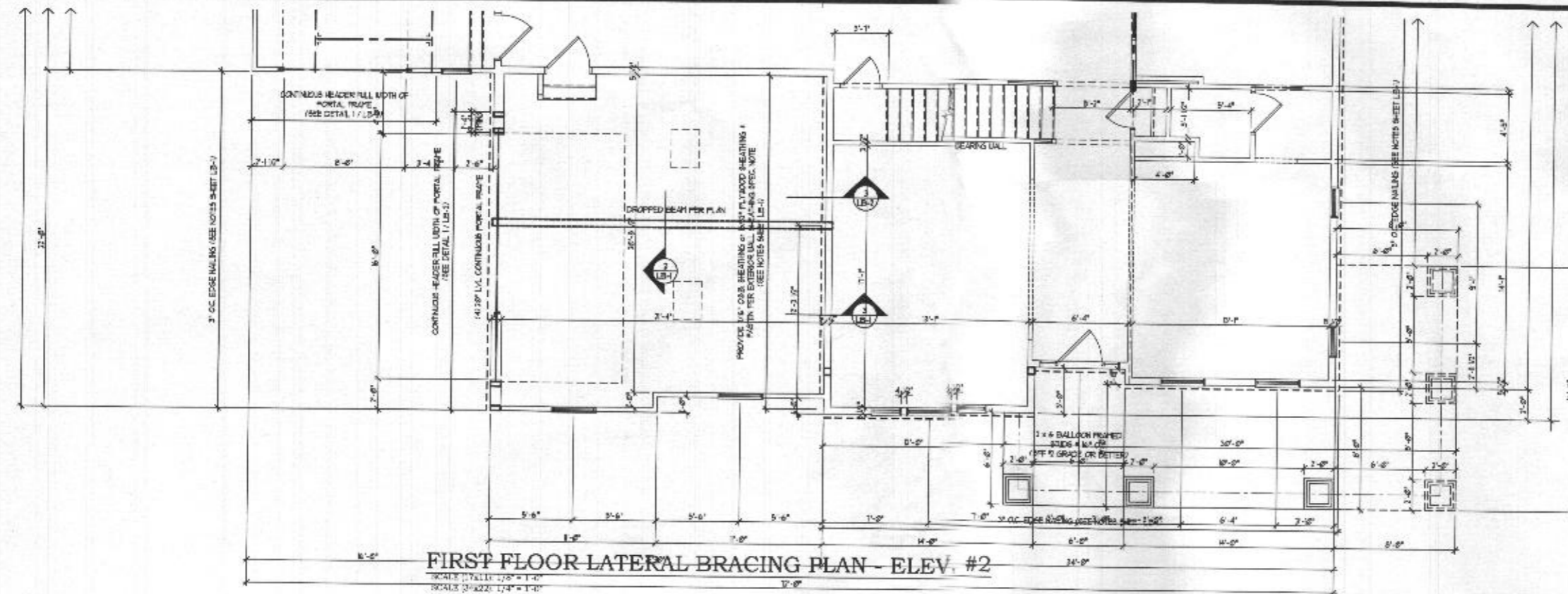
ARCHITECTURE, INC. COLLABORATIVE, INC.

OXFORDSHIRE MARYLAND

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LB-2





NOTE:
REFER TO LATERAL BRACING 4 SHEAR WALL NOTES ON SHEET LB-1

H I K HAS REVIEWED THESE PLANS FOR LATERAL DESIGN ONLY. GRAVITY IS BY OTHERS AND IS NOT REVIEWED BY H I K.



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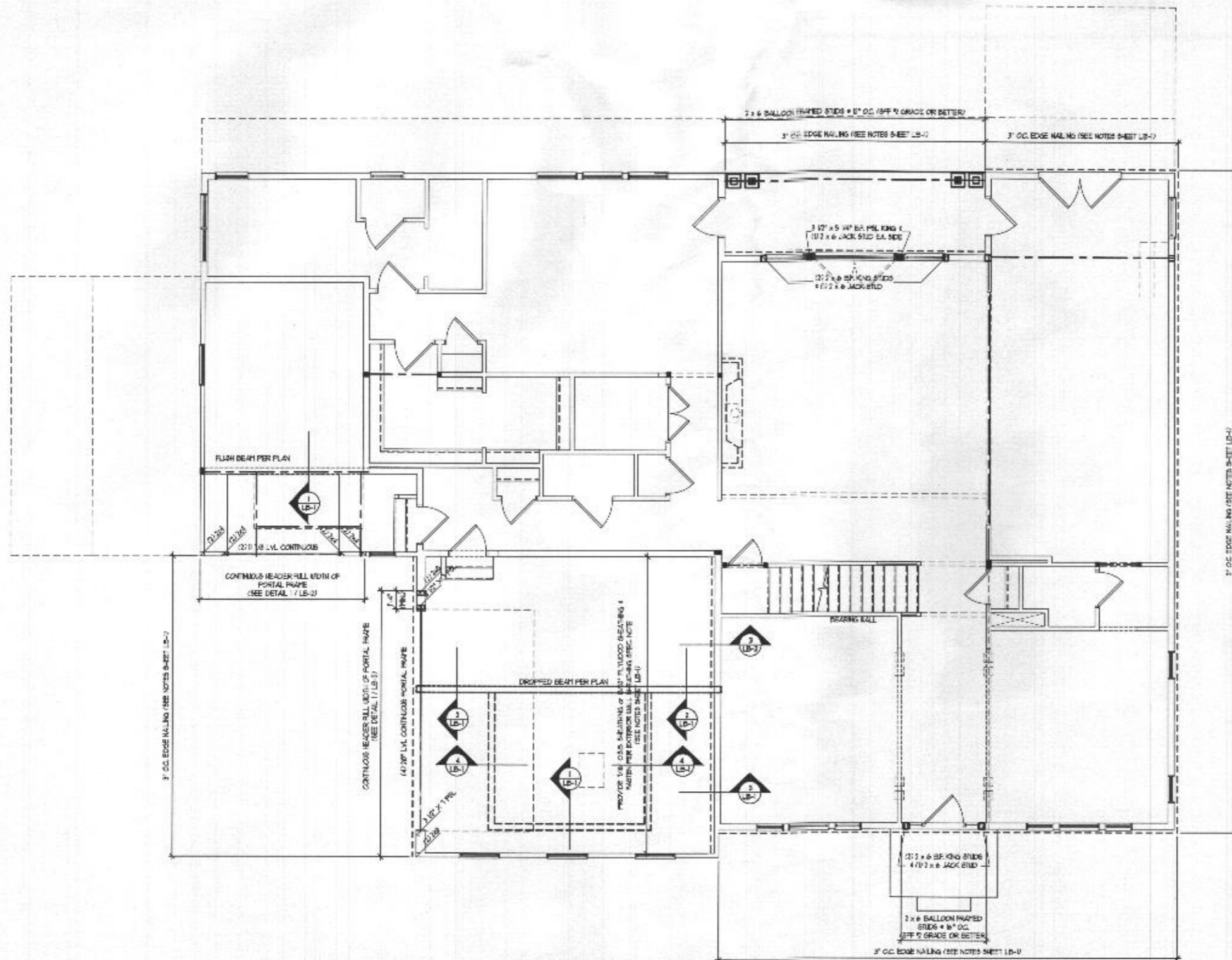
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 title: BHBC OXFORDSHIRE
 date: 08/28/18
 drawn: SF
 title: BHBC OXFORDSHIRE

DATE: _____
 REVIEWER: _____
 DATE: _____

Professional Certification
 I hereby certify that I am a duly licensed professional architect under the laws of the State of Maryland.
 Signature: _____
 Date: 04-08-2021

Professional Seal: LB-3a

Professional Seal: LB-3a



**FIRST FLOOR LATERAL BRACING PLAN - ELEV. #1
w/ ALTERNATE SECOND FLOOR PLAN**

SCALE: (1/4\"/>

NOTE:
REFER TO LATERAL BRACING &
SHEAR WALL NOTES ON SHEET LB-1

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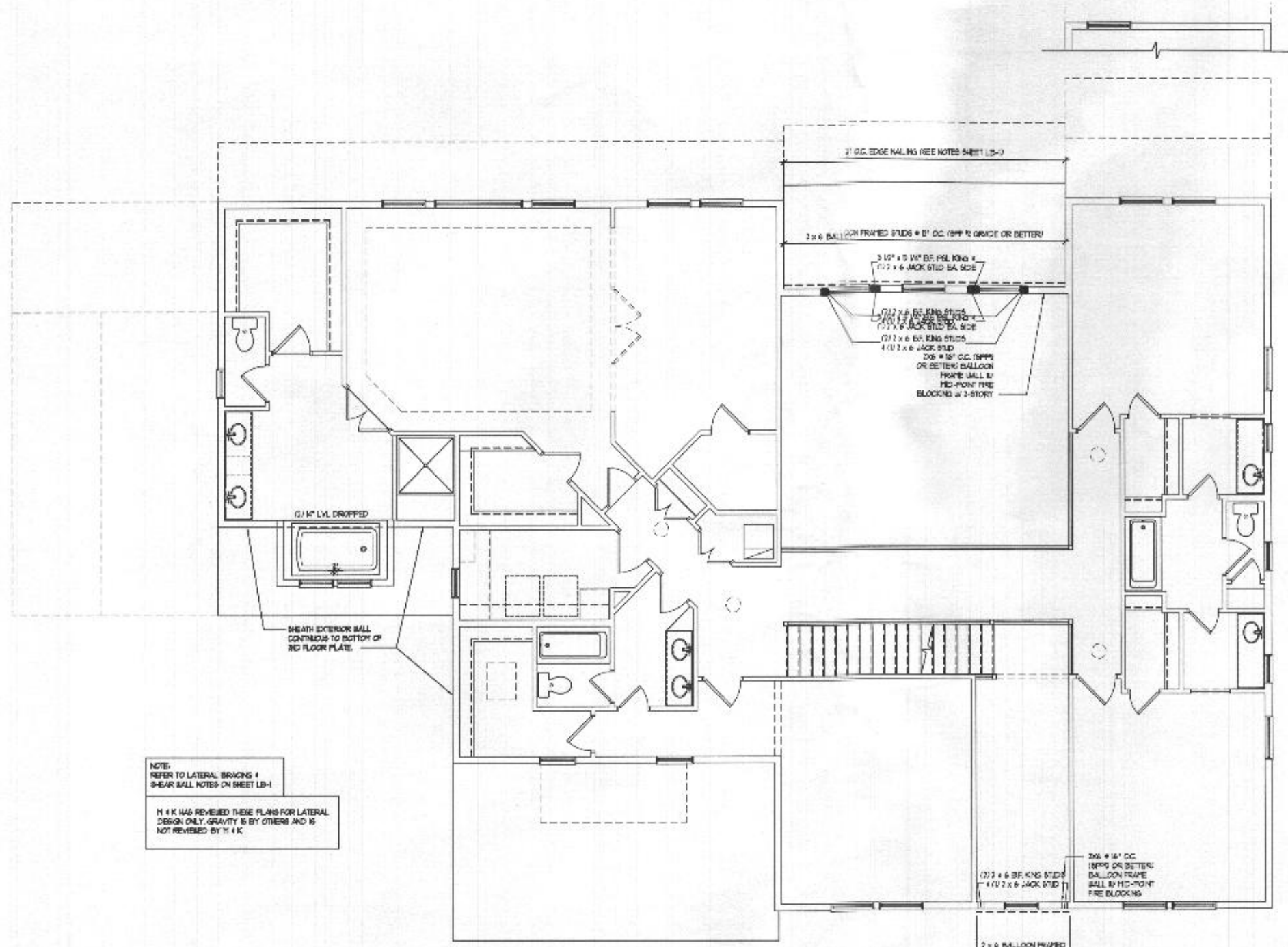
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project: 17-01-B (34422) title: LB-3B date: 06/26/18
U.N.O. 172217 LB-3B drawn: SN
BHBBC
OXFORDSHIRE

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| date | revision |
| | |
| | |
| | |

SHEET 2
LB-3B

Professional Certification
I hereby certify that these documents
were prepared by me or under my
supervision and that I am a duly
licensed professional architect in the
State of Maryland.
license number 10-00-0000
expiration date 10-00-0000

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NOTE:
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SHEAR WALL NOTES ON SHEET LB-1

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SECOND FLOOR LATERAL BRACING PLAN - ELEV. #1
SCALE (TYPICAL): 1/8" = 1'-0"
SCALE (DIMENSIONS): 1/4" = 1'-0"



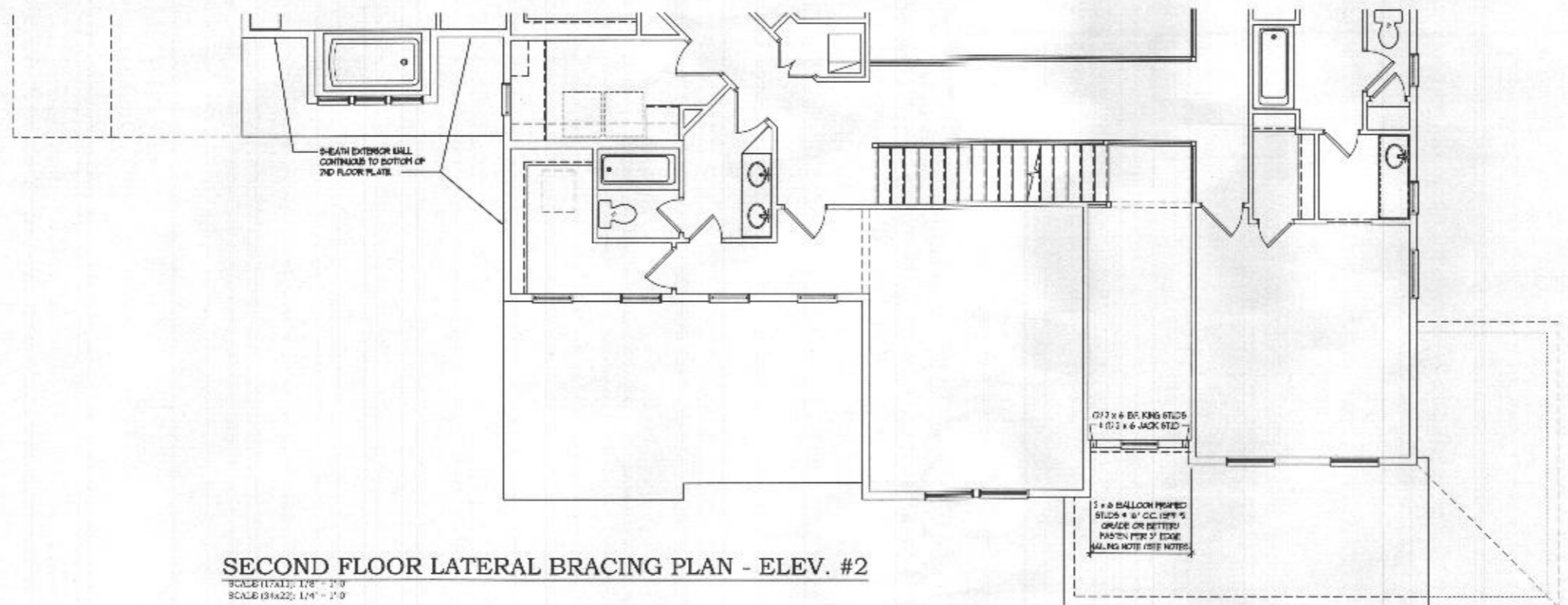
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Ellicott City, MD 21043
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PROJECT: LATERAL BRACING - SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0" (TYPICAL) DATE: 06/20/18
DRAWN: SF
CHECKED: JLB-4
DATE: 06/20/18
BY: BHBC
OXFORDSHIRE

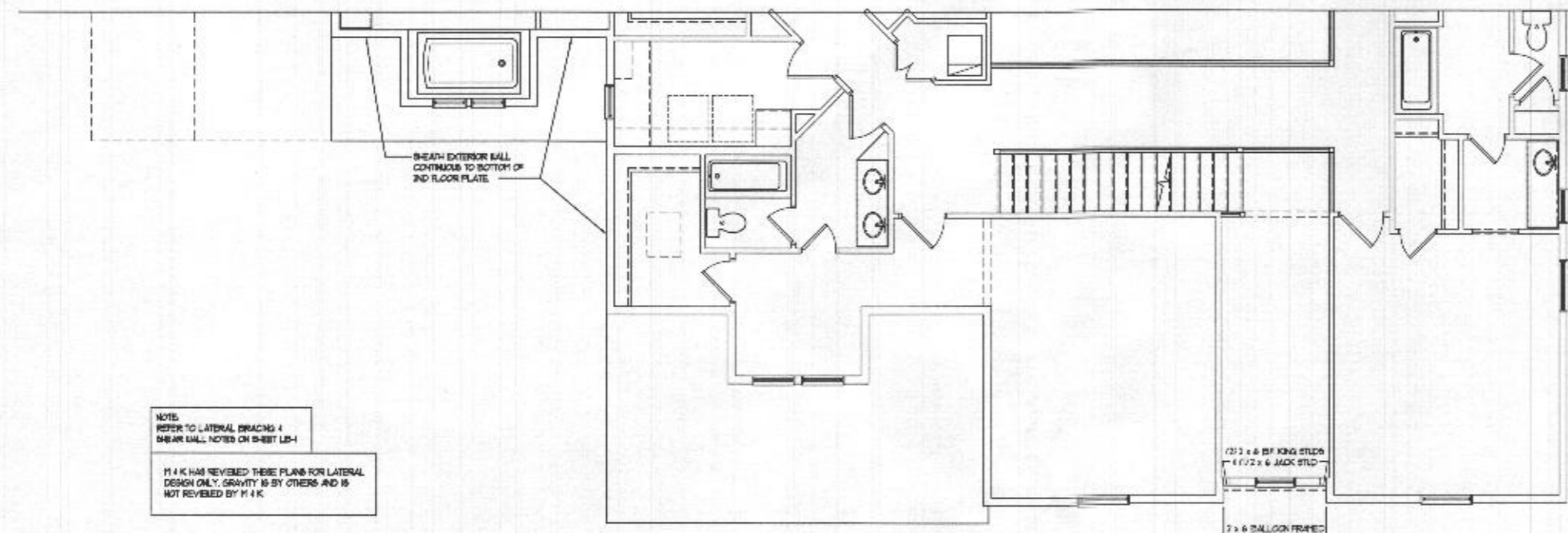
| revision | date |
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PROFESSIONAL CERTIFICATION
I hereby certify that these documents
were prepared or approved by me or
under my direct supervision and that I am
a duly licensed professional architect under the laws
of the State of Maryland.
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expiration date: 04-08-2022

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SECOND FLOOR LATERAL BRACING PLAN - ELEV. #2
 SCALE (TALL): 1/8" = 1'-0"
 SCALE (WALL): 1/4" = 1'-0"



SECOND FLOOR LATERAL BRACING PLAN - ELEV. #3
 SCALE (TALL): 1/8" = 1'-0"
 SCALE (WALL): 1/4" = 1'-0"

NOTE:
 REFER TO LATERAL BRACING 4
 SHEAR WALL NOTES ON SHEET LB-1

M & K HAS REVIEWED THESE PLANS FOR LATERAL
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2x4 & 2x6 BR. KING STUDS
 1 @ 2 x 6 JACK STUD

2 x 4 BALLOON FRAMED
 STUDS 4 @ 12" O.C. (SEE 9)
 GRADE OR BETTER
 FASTER PER 3" EDGE
 NAILING NOTE (SEE NOTES)

2x4 & 2x6 BR. KING STUDS
 1 @ 2 x 6 JACK STUD

2 x 4 BALLOON FRAMED
 STUDS 4 @ 12" O.C. (SEE 9)
 GRADE OR BETTER
 FASTER PER 3" EDGE
 NAILING NOTE (SEE NOTES)

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LATERAL BRACING - SECOND FLR ALT. ELEV.
 scale: 1/8" = 1'-0" (84x22) file: LB-4a date: 06/20/18
 U.N.O. 1'-8" (17x21) LB-4a draw: SF
BHBC
 OXFORDSHIRE



| revision | date |
|----------|------|
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| | |

SHEET #
LB-4a

Professional Certification
 I hereby certify that these drawings
 were prepared or prepared by me, or
 professional architect under the law
 of the State of Maryland.
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 expiration date: 04-01-2022

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