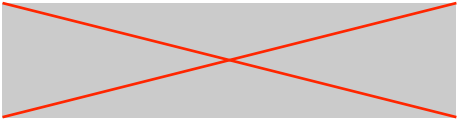


INDEX OF DRAWINGS

- 1: SITE
- 2: WEST AND EAST ELEVATIONS
- 3: SOUTH AND NORTH ELEVATIONS
- 4: BASEMENT
- 5: MAIN
- 6: WEST PANELS
- 7: EAST PANELS
- 8: NORTH PANELS
- 9: SOUTH PANELS
- 10: WEST SITE FRAME
- 11: EAST SITE FRAME
- 12: SOUTH SITE FRAME
- 13: BOX BAY DETAILS
- 14: BOX BAY FRAME DIMENSIONS
- 15: WINDOW SCHEDULE
- 16: SECTION 1
- 17: SECTION 2
- 18: WOOD HEATER DETAILS
- 19: ATTIC HATCH EXTENSION
- 20: DECK FRAMING

DESCRIPTION OF WORK:

- DEMOLISH 3 EXISTING DECKS AND PORCH AND REPLACE PER ,MAIN FLOOR PLAN
- PANELIZED DEEP ENERGY RETROFIT. ADD ~0.22M DEEP CELLULOSE FILLED PANELS TO EXISTING STRUCTURE.
- REMOVE EXISTING ATTIC INSULATION. AIR SEAL WITH 2# SPRAY FOAM. ADD CELLULOSE TO R65 NET
- EXTEND OVERHANGS .2M
- REMOVE EXISTING MASONRY CHIMNEY
- REPLACE EXISTING GAS FURNACE AND WATER TANK WITH AIR SOURCE HEAT PUMPS
- INSTALL NEW HRV
- INSTALL NEW WOOD BURNING HEATER



BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

BROOK
SIDE
RETROFIT
Edmonton, AB

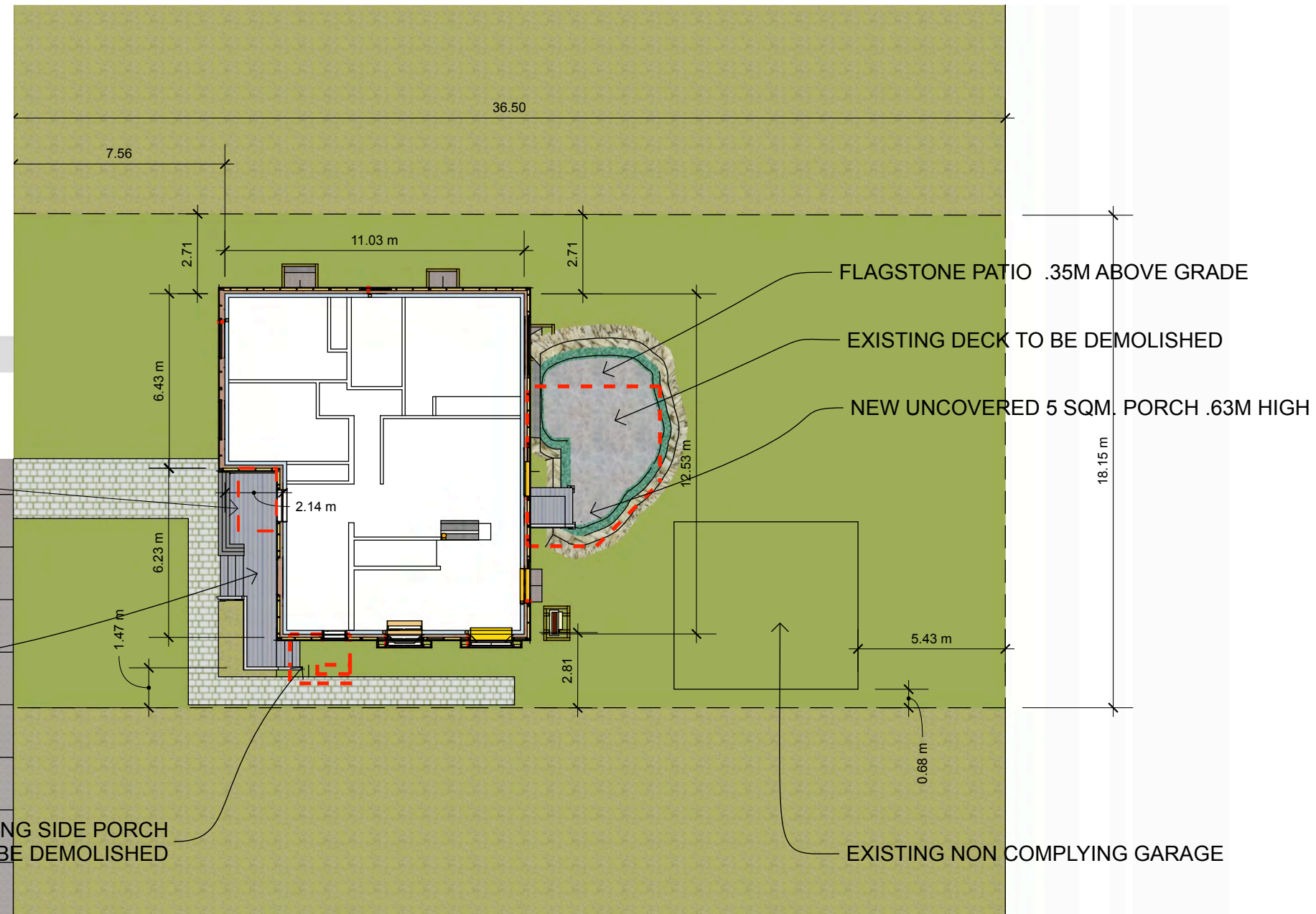
BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT

DATE
January 26, 2023

ISSUED FOR
CONSTRUCTION

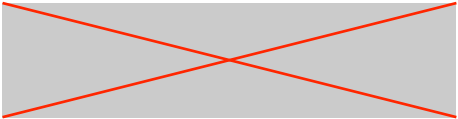
DRAWN BY
PA

SITE



NOTES

- ALL SET BACK DIMENSIONS ARE TO FOUNDATION
- NEW PANELS EXTEND ~ .22M FROM FOUNDATION



**BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.**
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

**BROOK
SIDE
RETROFIT**
Edmonton, AB

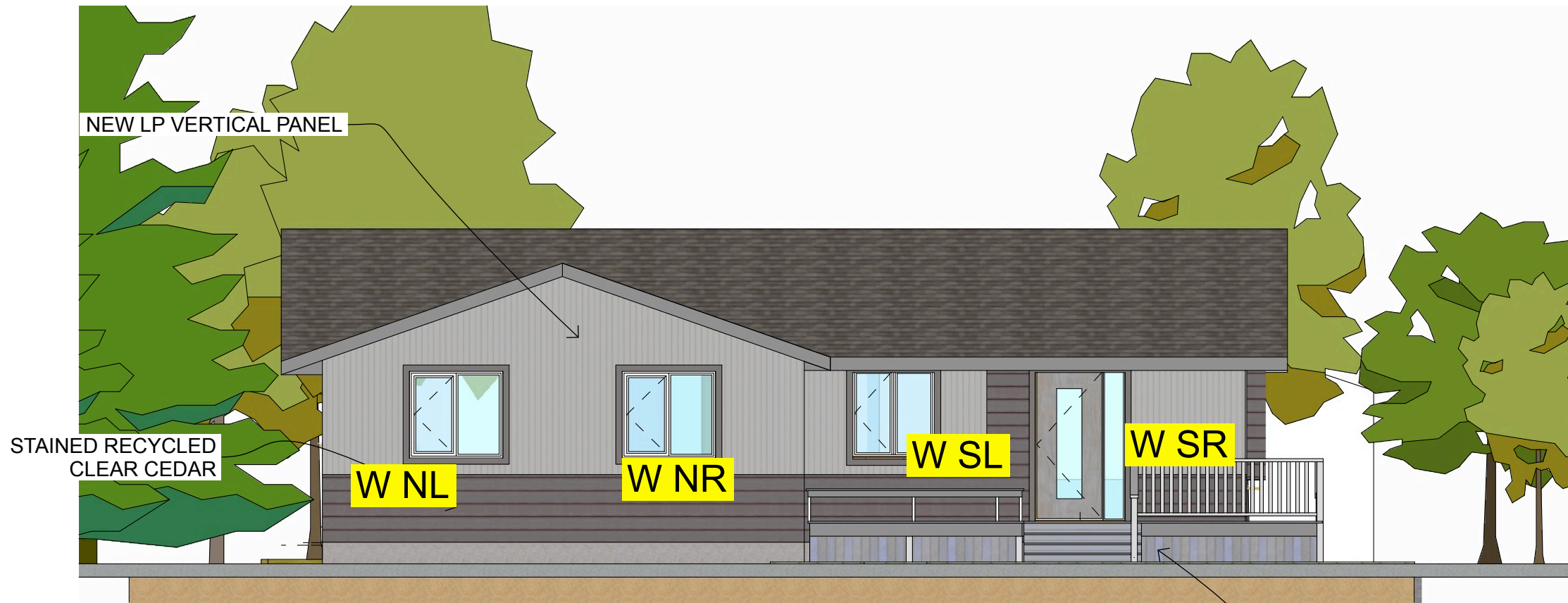
**BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT**

DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

**WEST AND EAST
ELEVATIONS**

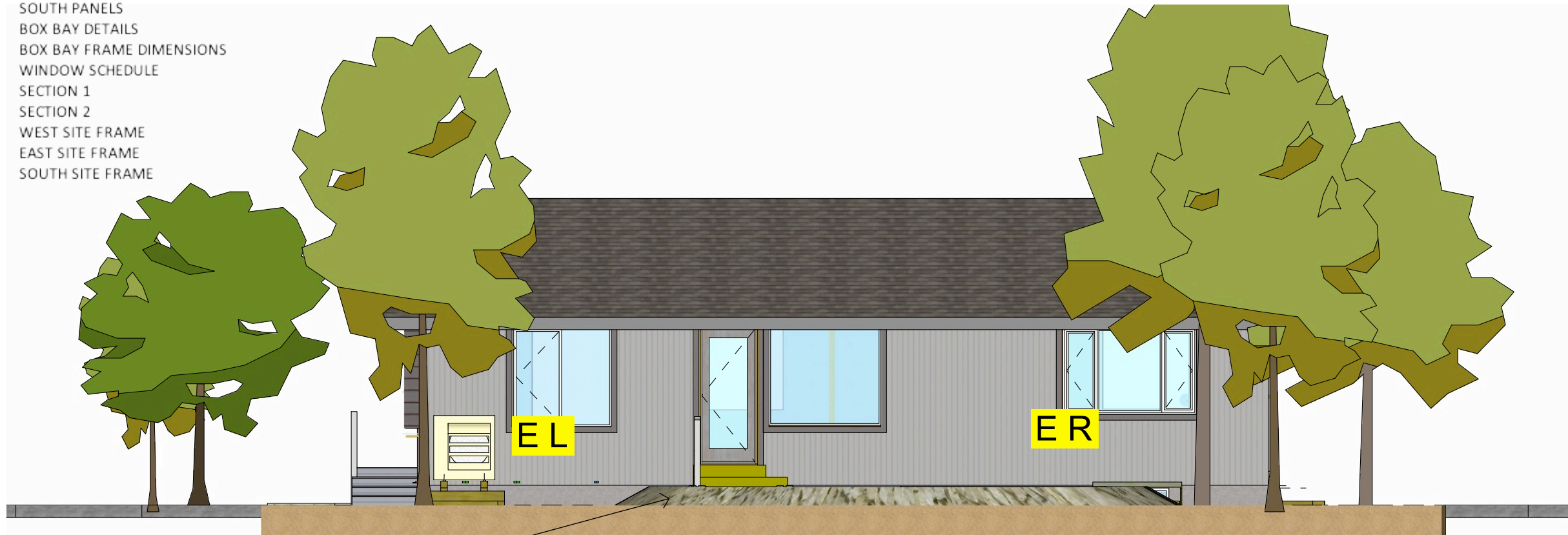


A
2 WEST ELEVATION
1:75

NEW FRONT PORT .59M HIGH

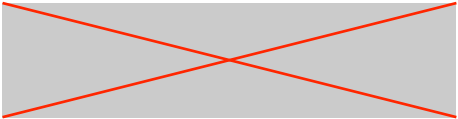
PAGE

1	WEST AND EAST ELEVATIONS
2	SOUTH AND NORTH ELEVATIONS
3	WEST PANELS
4	EAST PANELS
5	NORTH PANELS
6	SOUTH PANELS
7	BOX BAY DETAILS
8	BOX BAY FRAME DIMENSIONS
9	WINDOW SCHEDULE
10	SECTION 1
11	SECTION 2
12	WEST SITE FRAME
13	EAST SITE FRAME
14	SOUTH SITE FRAME



A
2 EAST ELEVATION
1:75

FLAGSTONE PATIO ~ .35M HIGH



**BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.**
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

**BROOK
SIDE
RETROFIT**
Edmonton, AB

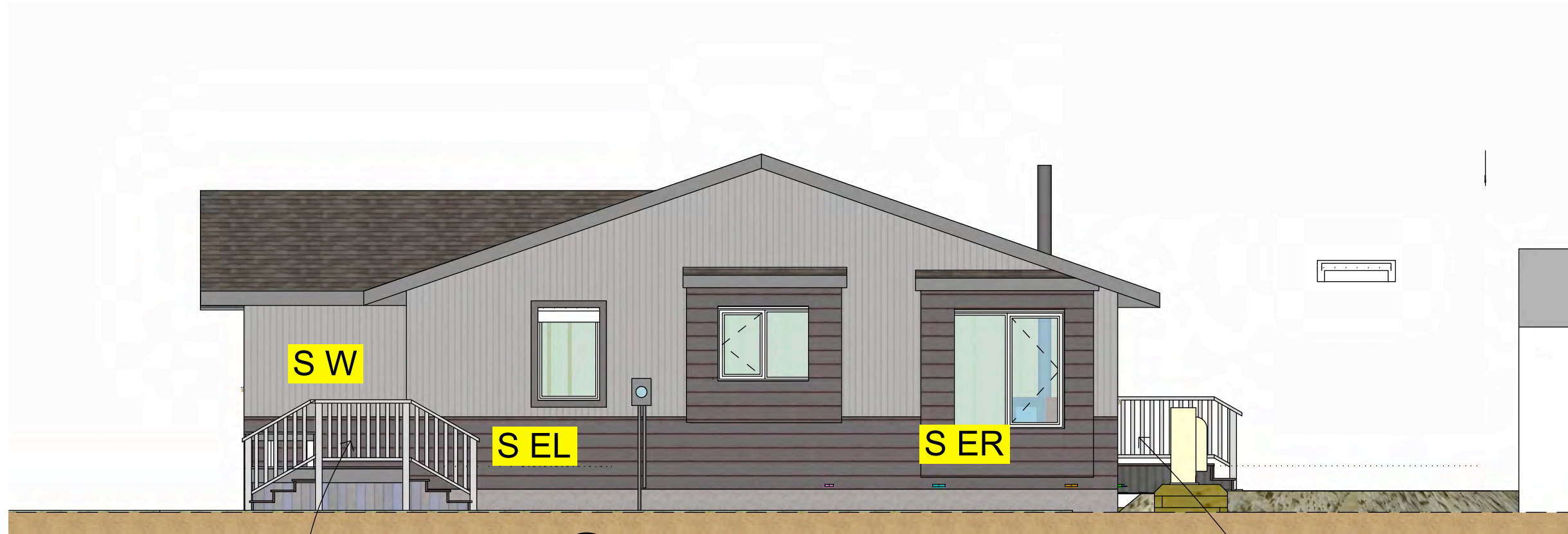
**BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT**

DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

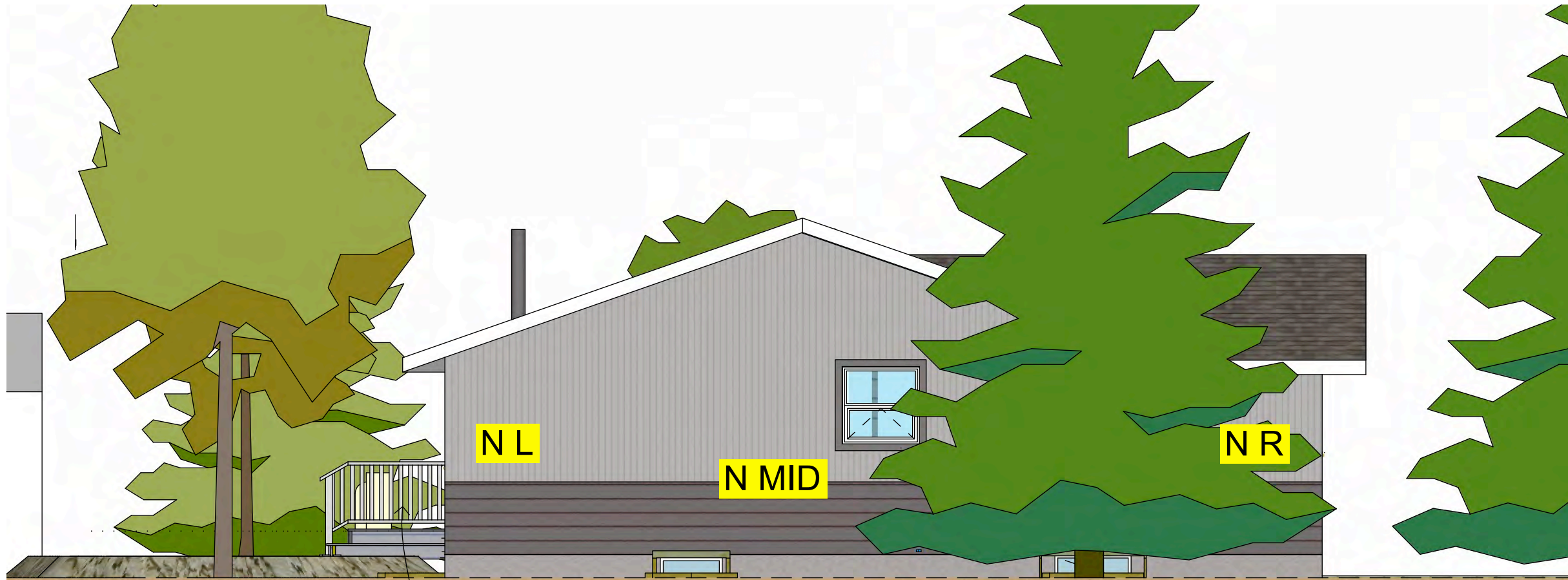
**SOUTH AND NORTH
ELEVATIONS**



A 3 SOUTH ELEVATION
3/16" = 1'-0"

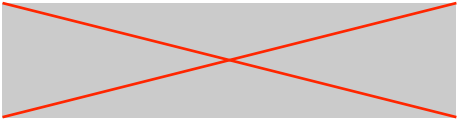
.9 M HIGH WOOD RAILING

.9 M HIGH WOOD RAILING



A 3 NORTH ELEVATION
3/16" = 1'-0"

.9 M HIGH WOOD RAILING



**BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.**
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

**BROOK
SIDE
RETROFIT**
Edmonton, AB

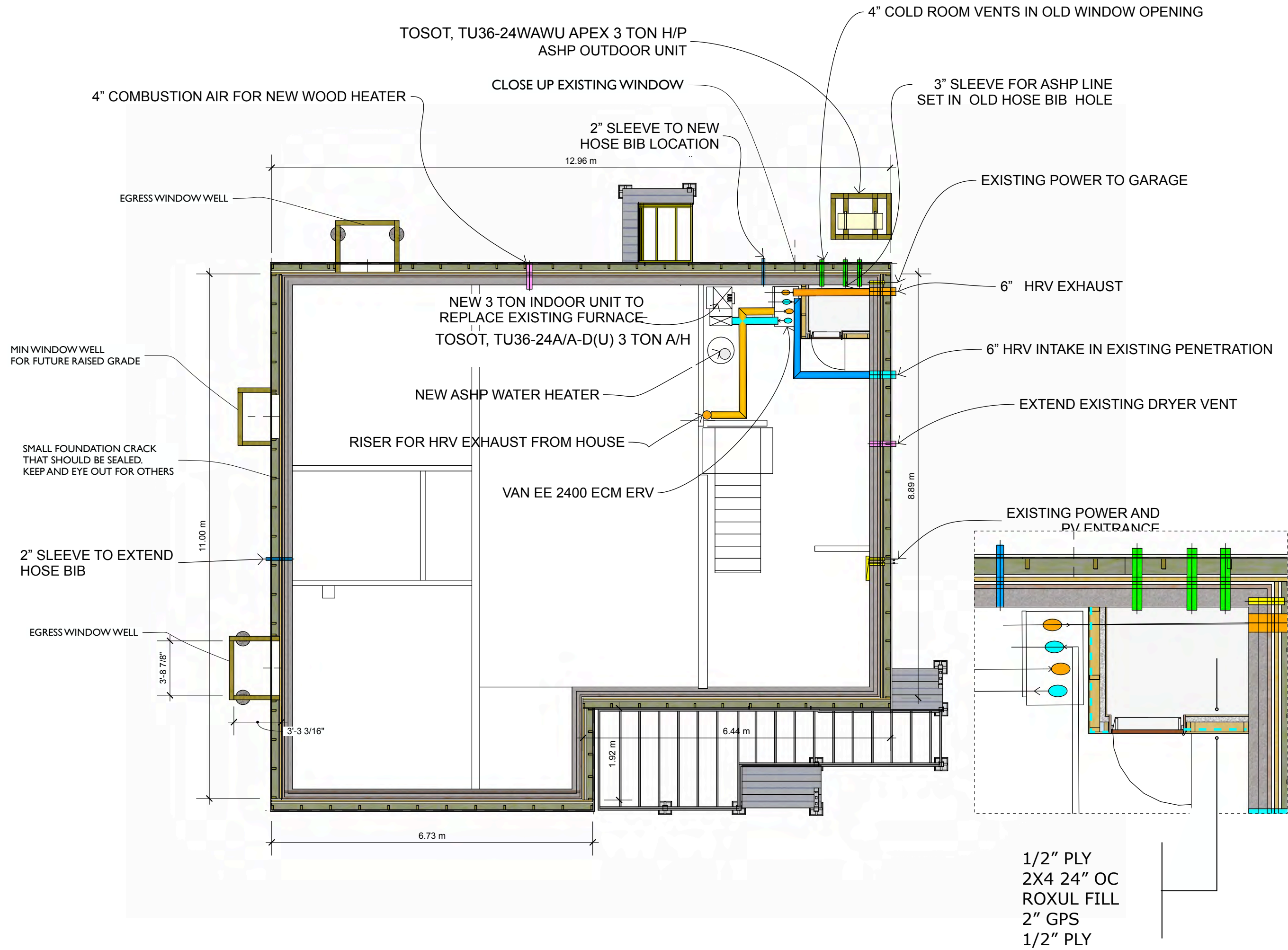
**BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT**

DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

BASEMENT



- NEW REAR PORCH:**
- .59M ABOVE GROUND
 - 2 PLY 2X8 TREATED BEAMS
 - 2X6 TREATED JOISTS 16" OC
 - 5/4 WOOD DECKING
 - .9 M WOOD RAILING AND HANDRAIL

**NEW ~69" X 58" WINDOW
IN PLACE OF PATIO DOOR**

- NEW PACIFIC ENERGY NEO 1.6 WOOD BURNING HEATER**
C/W 4" COMBUSTION AIR,
CAN/ULC-S629 COMPLIANT CHIMNEY,
TILE HEARTH AND WALL SURROUND

2 RISERS @ ~.15M EACH
DOWN TO RAISED
FLAGSTONE PATIO

- REMOVE FIREPLACE TO BASEMENT FLOOR
- FILL IN FLOOR AND CEILING
- FRAME AND DRYWALL CHASE AROUND HRV RISER

NEW 2/8 IN SWING DOOR

HRV EXHAUST DUCTS TO BATHROOMS
AND KITCHEN EXHAUST TO BE RUN IN
ATTIC AND ENCASED IN SPRAY FOAM

NEW BOX BAY WINDOWS TO
REPLACE EXISTING BAY WINDOWS

TREATED TIMBER WINDOW WELLS
AS REQUIRED TO ACCOMODATE
REQUIRED GRADE ADJUSTMENTS

6" ROUND TO FIRST TEE

7" RISER

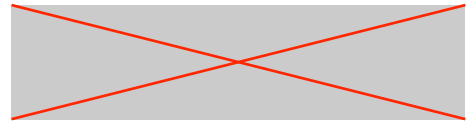
5" ROUND TO KITCHEN EXHAUST

4 RISERS @ ~.15M EACH

4" ROUND TO BOTH BATHS

- NEW FRONT PORCH:**
- .59M ABOVE GROUND
 - 2 PLY 2X8 TREATED BEAMS ON 5 TREATED POSTS TOTAL
 - 2X6 TREATED JOISTS 16" OC
 - 5/4 WOOD DECKING
 - .9 M HIGH WOOD RAILING AND HANDRAIL

4 RISERS @ ~.15M EACH



**BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.**
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

**BROOK
SIDE
RETROFIT**
Edmonton, AB

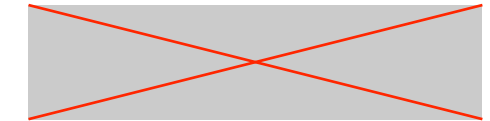
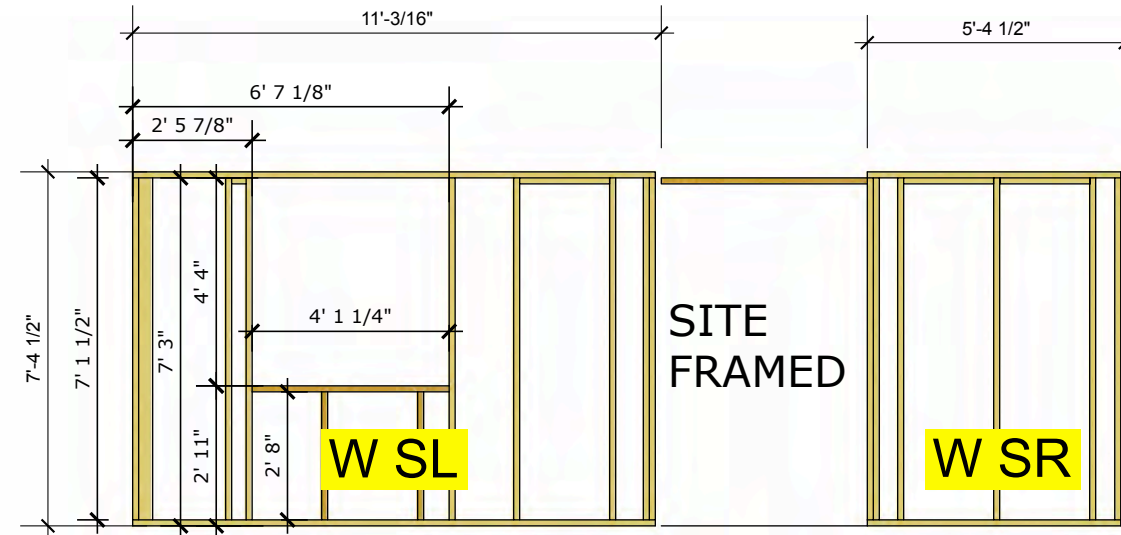
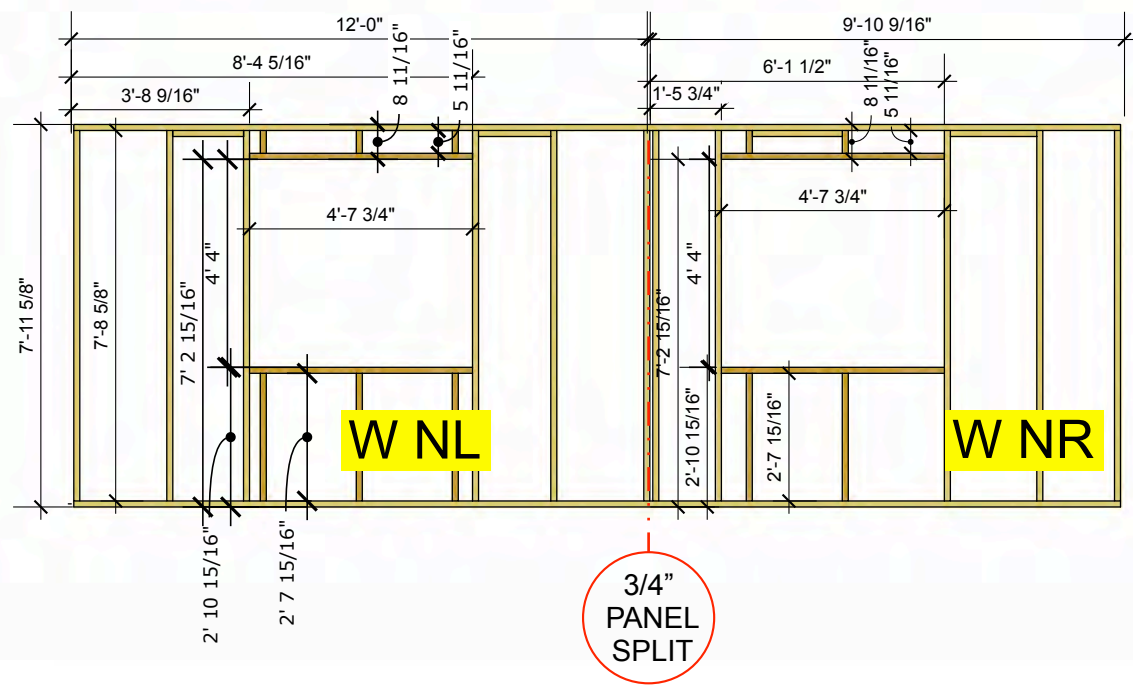
**BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT**

DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

MAIN



**BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.**
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

**BROOK
SIDE
RETROFIT**
Edmonton, AB

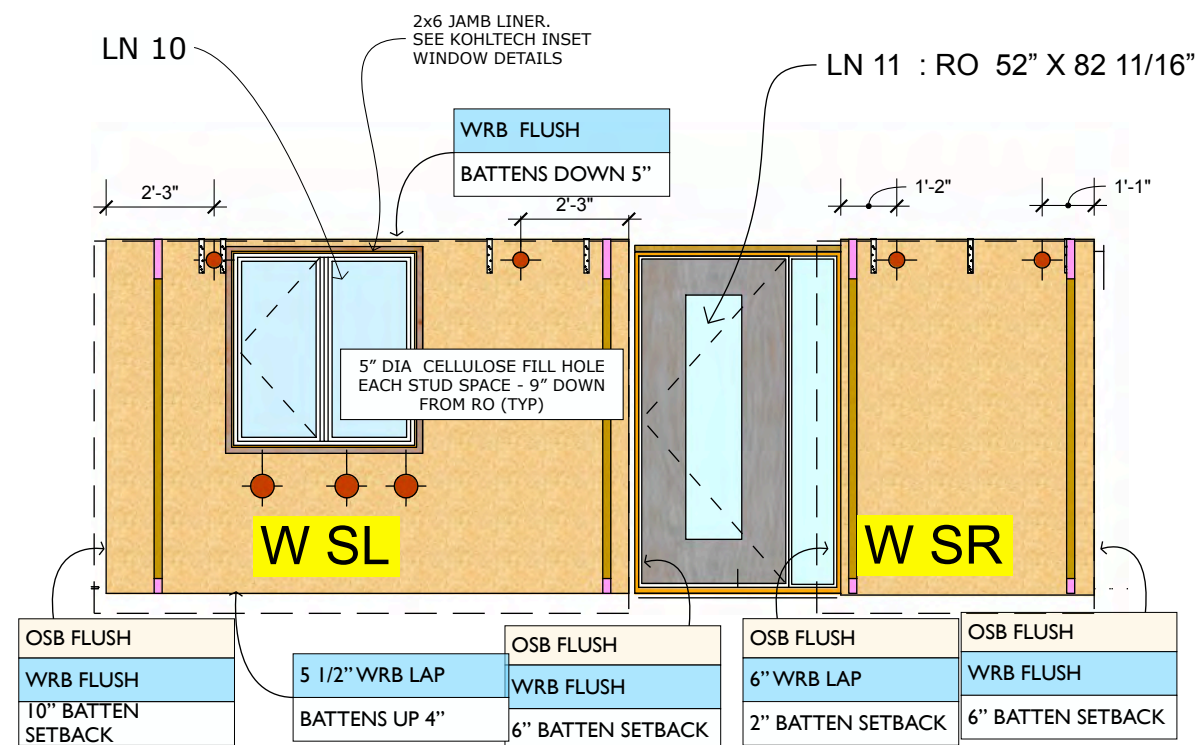
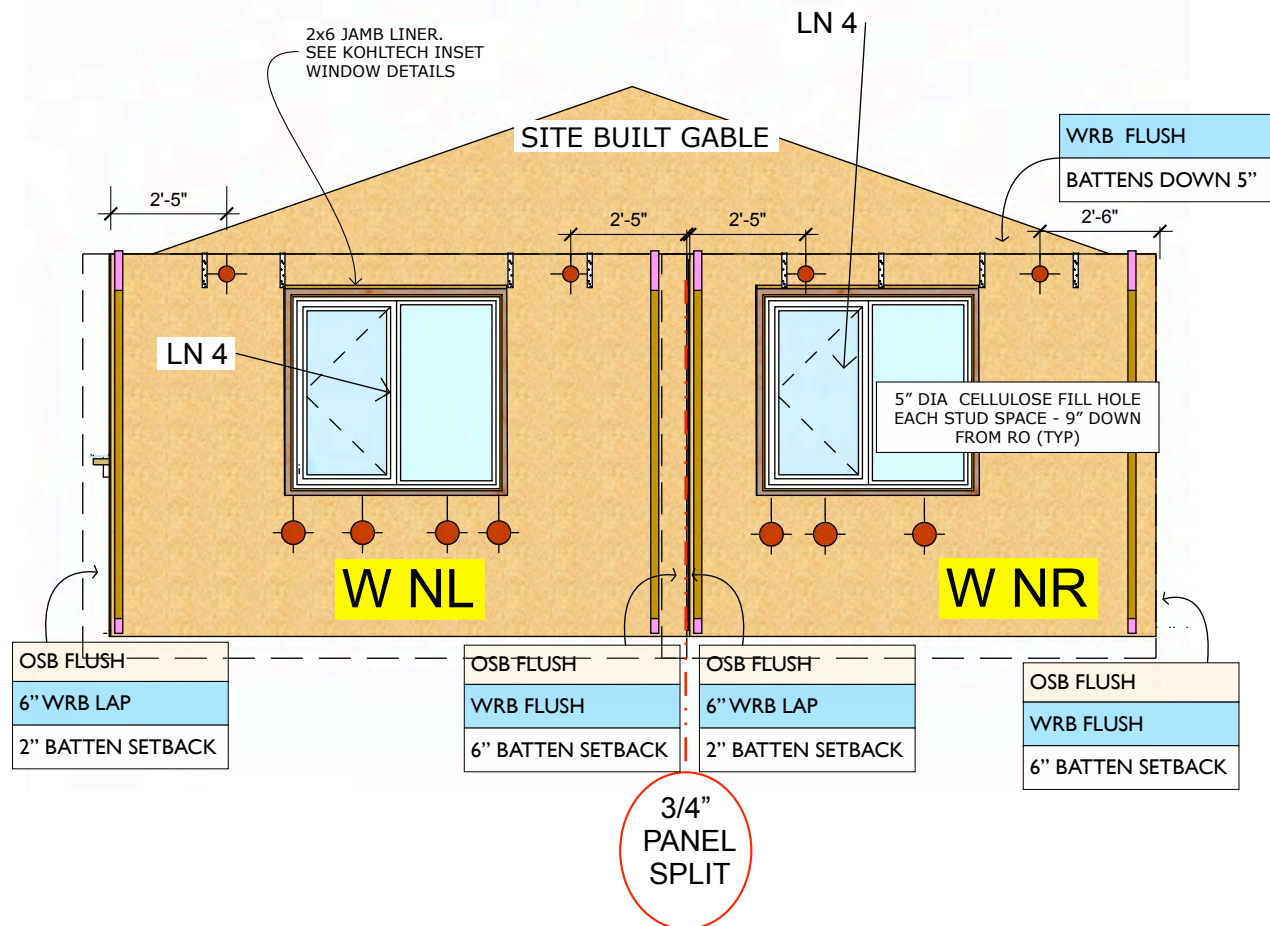
**BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT**

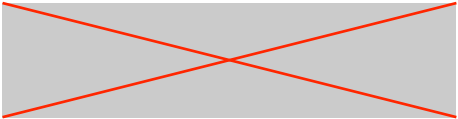
DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

WEST PANELS





BUTTERWICK CONSTRUCTION & CARPENTRY LTD.
 5628 82 Ave
 Edmonton, AB T6B 3E6
 Tel: 780.434.3559
 www.butterwick.ca

**BROOK
 SIDE
 RETROFIT**
 Edmonton, AB

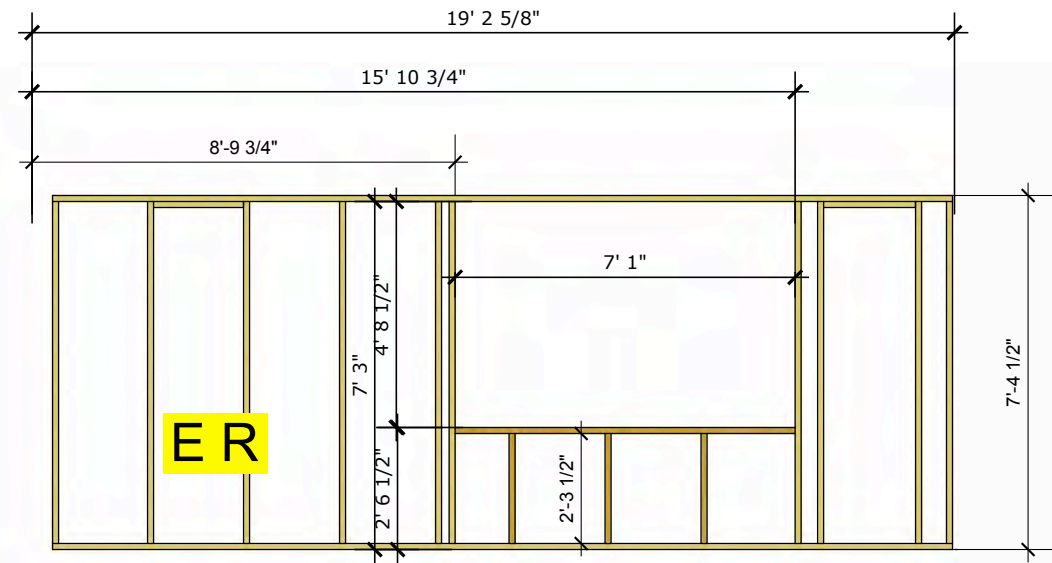
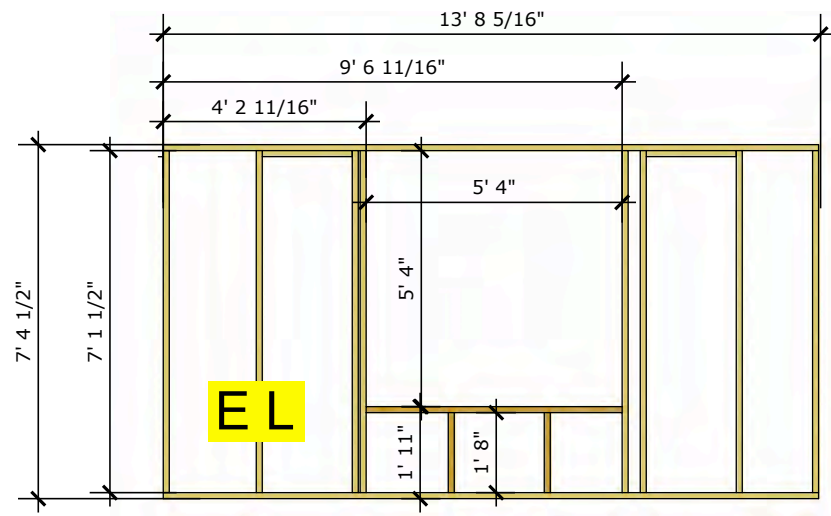
**BROOK SIDE
 RESIDENCE DEEP
 ENERGY RETROFIT**

DATE
 January 26, 2023

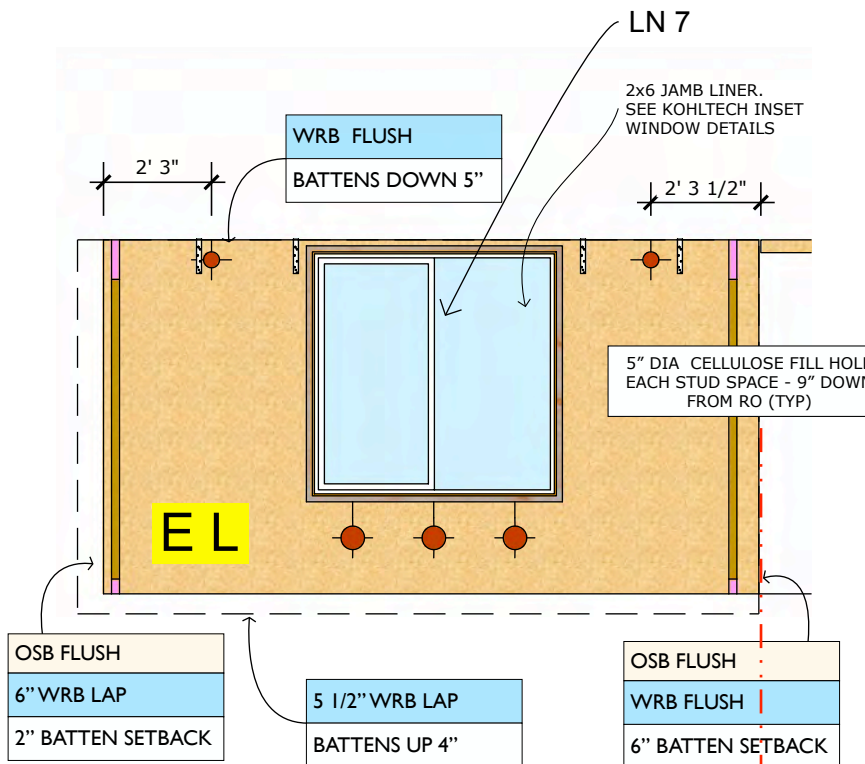
**ISSUED FOR
 CONSTRUCTION**

DRAWN BY
 PA

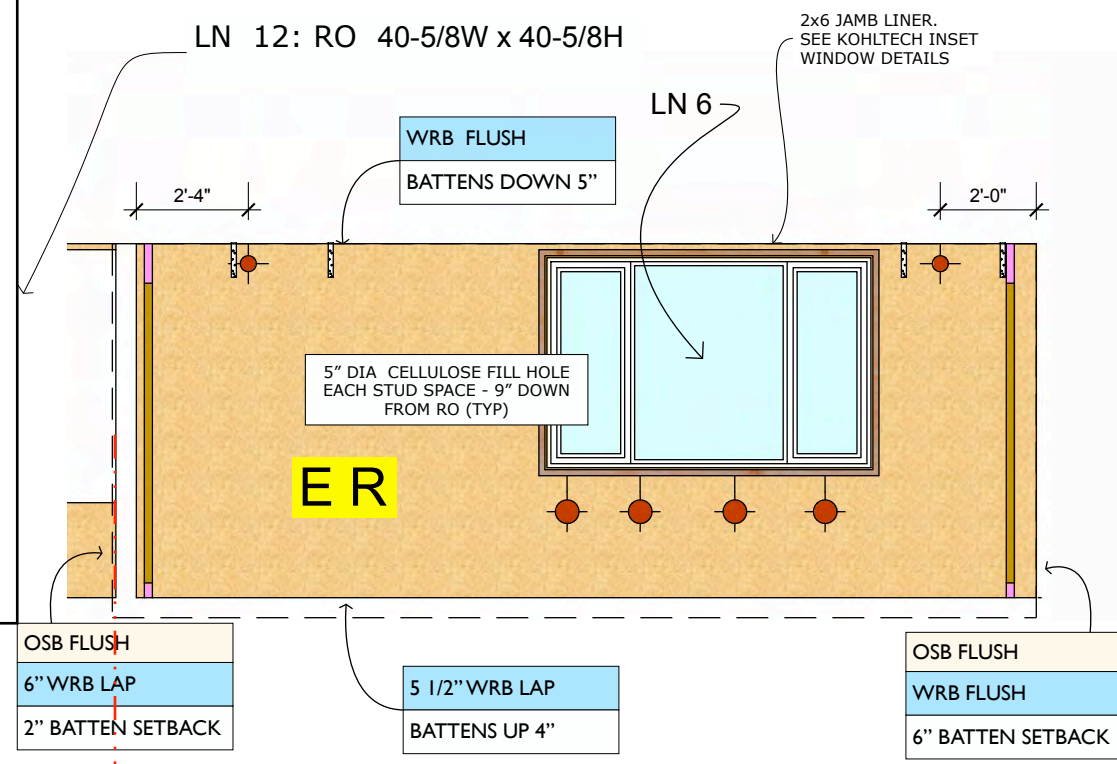
EAST PANELS



THIS SECTION
 SITE FRAMED

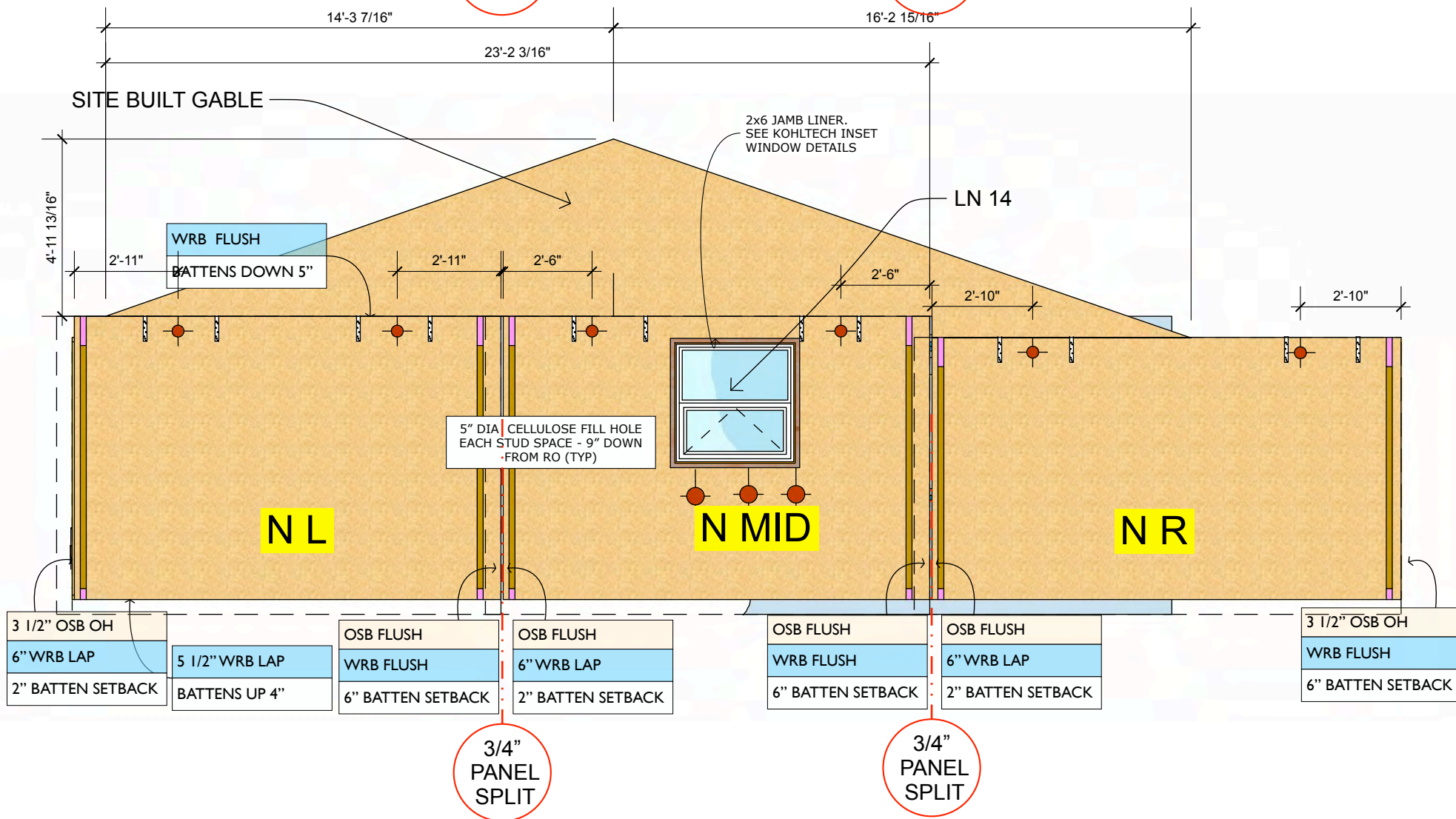
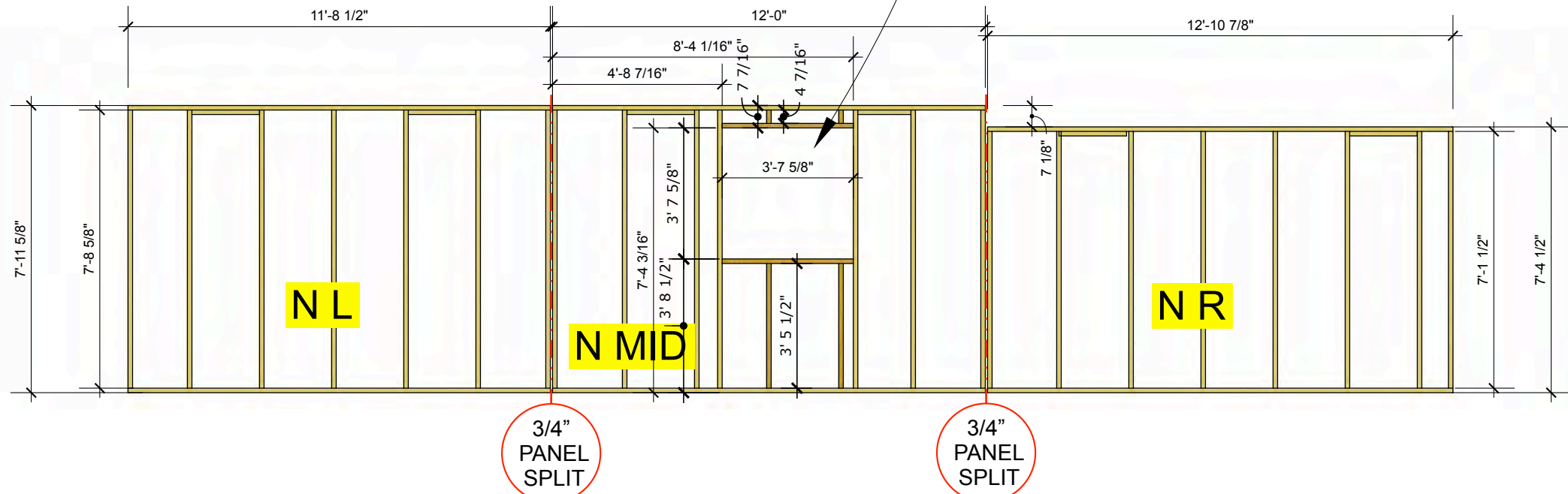


PANEL
 SPLIT



PANEL
 SPLIT

**WIDEN RO BOTH SIDES W NEW EXTERNAL 1 PLY 2X8 HEADER
SCREWED TO WALL W/ 3 - 4" SDS SCREWS EACH SIDE**



**BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.**
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

**BROOK
SIDE
RETROFIT**
Edmonton, AB

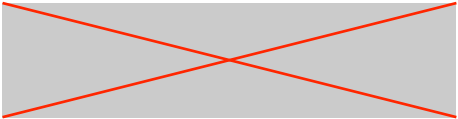
**BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT**

DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

NORTH PANELS



BUTTERWICK CONSTRUCTION & CARPENTRY LTD.
 5628 82 Ave
 Edmonton, AB T6B 3E6
 Tel: 780.434.3559
 www.butterwick.ca

**BROOK
 SIDE
 RETROFIT**
 Edmonton, AB

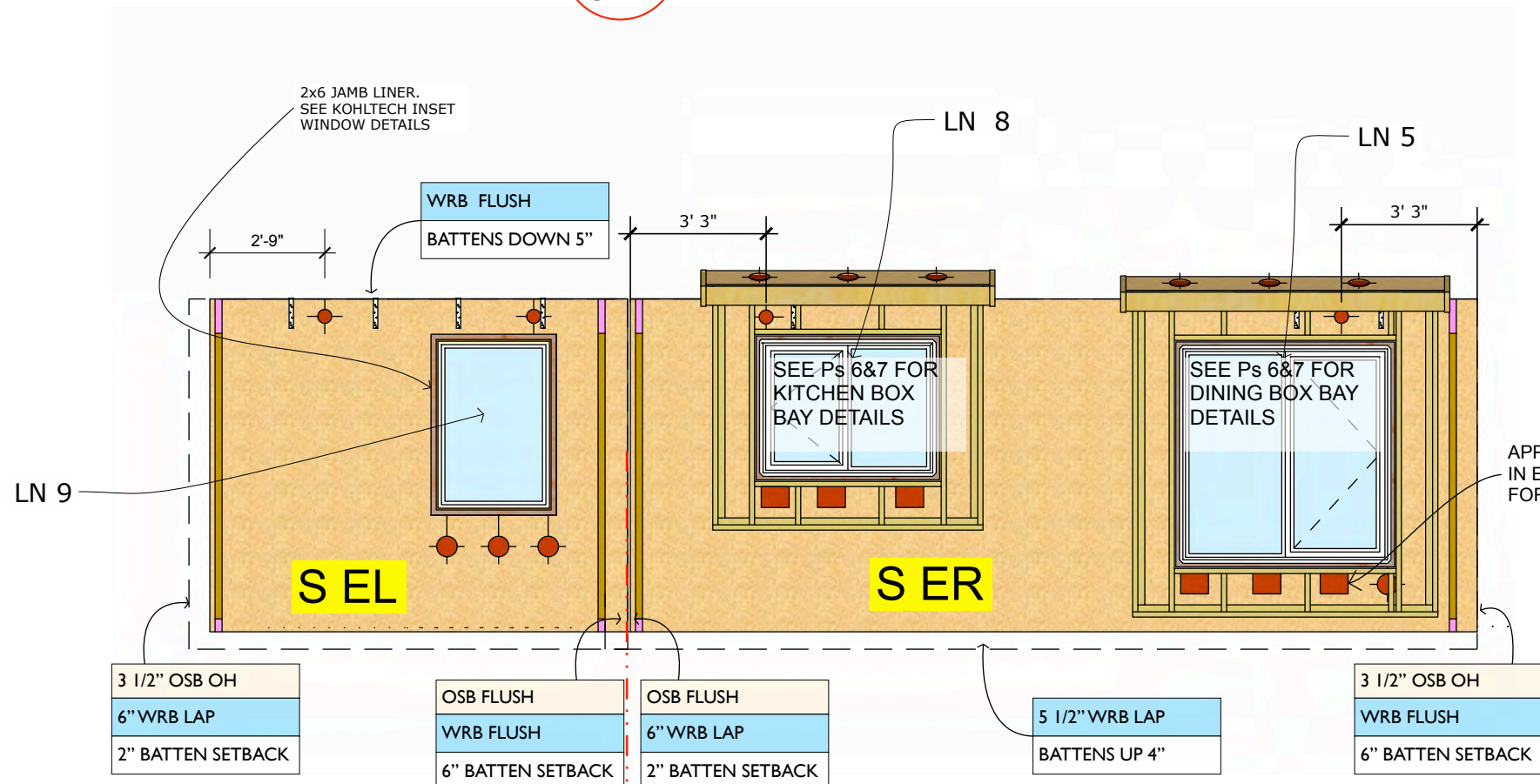
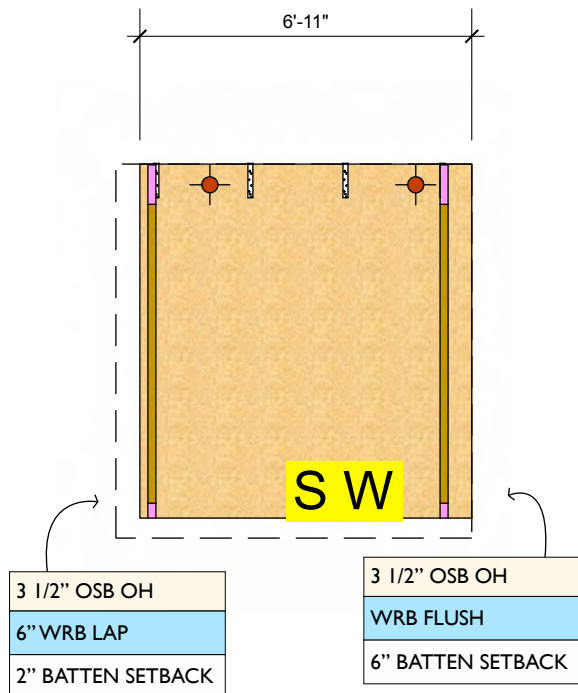
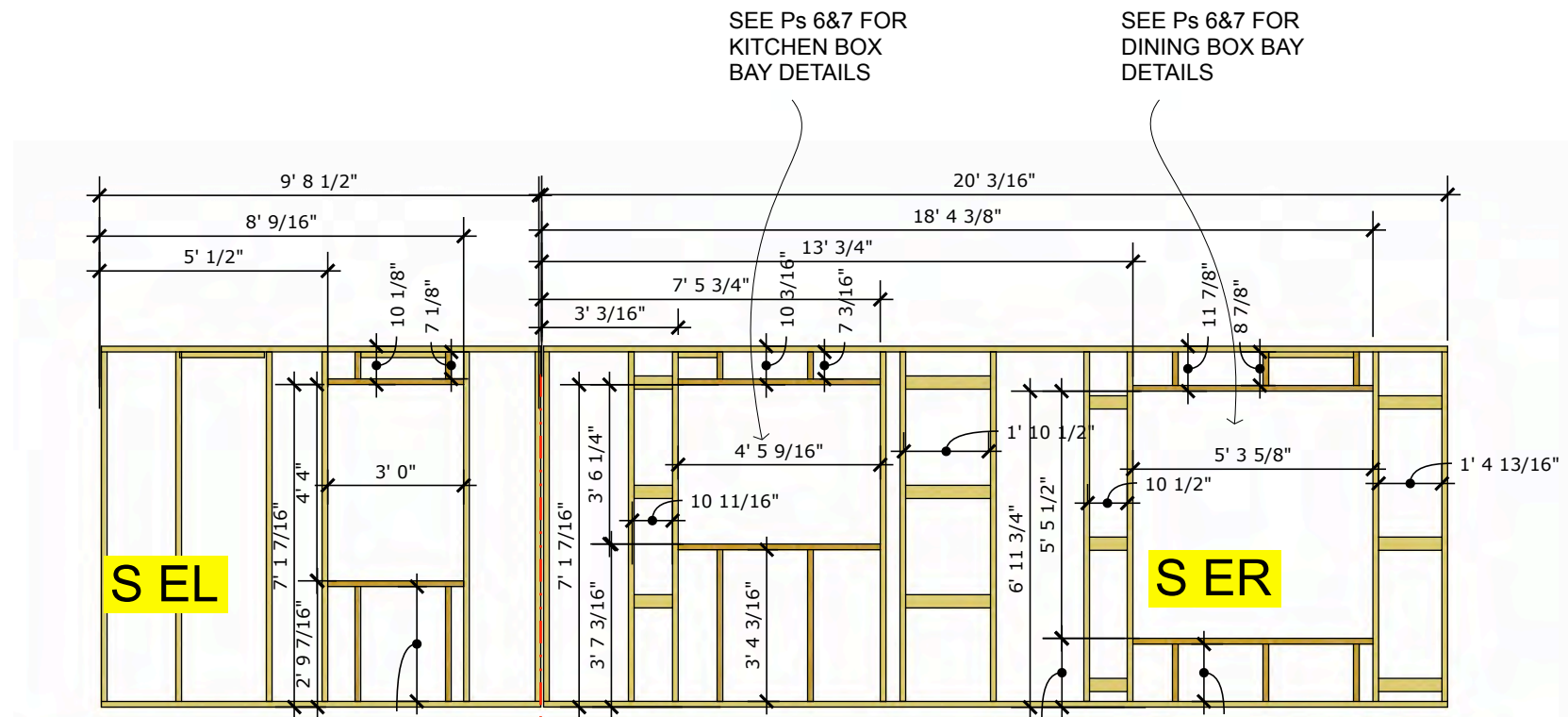
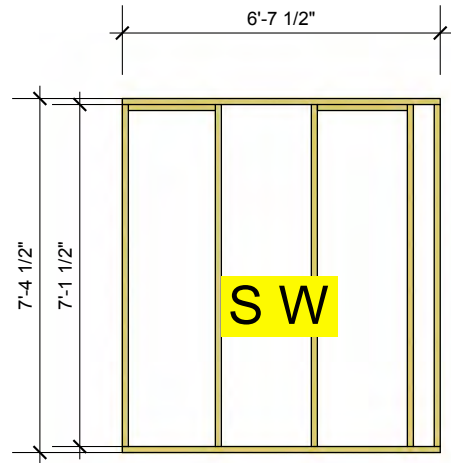
**BROOK SIDE
 RESIDENCE DEEP
 ENERGY RETROFIT**

DATE
 January 26, 2023

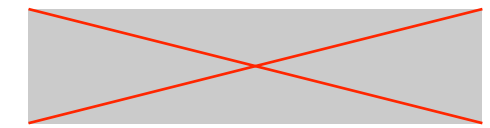
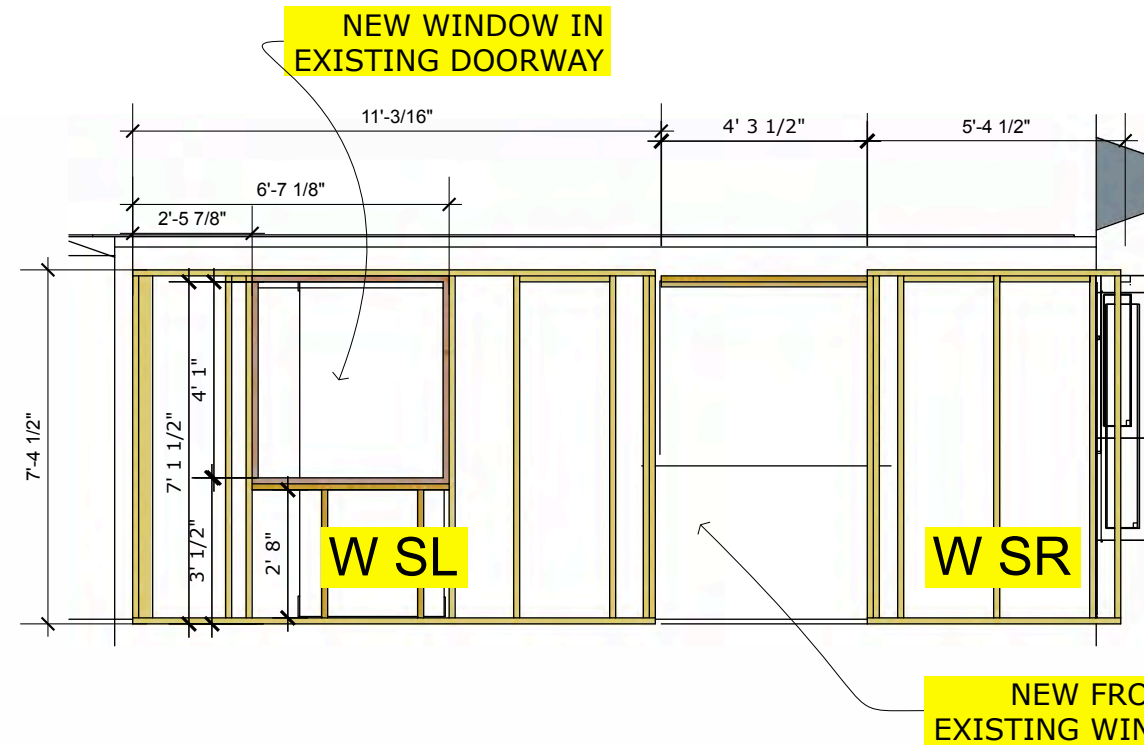
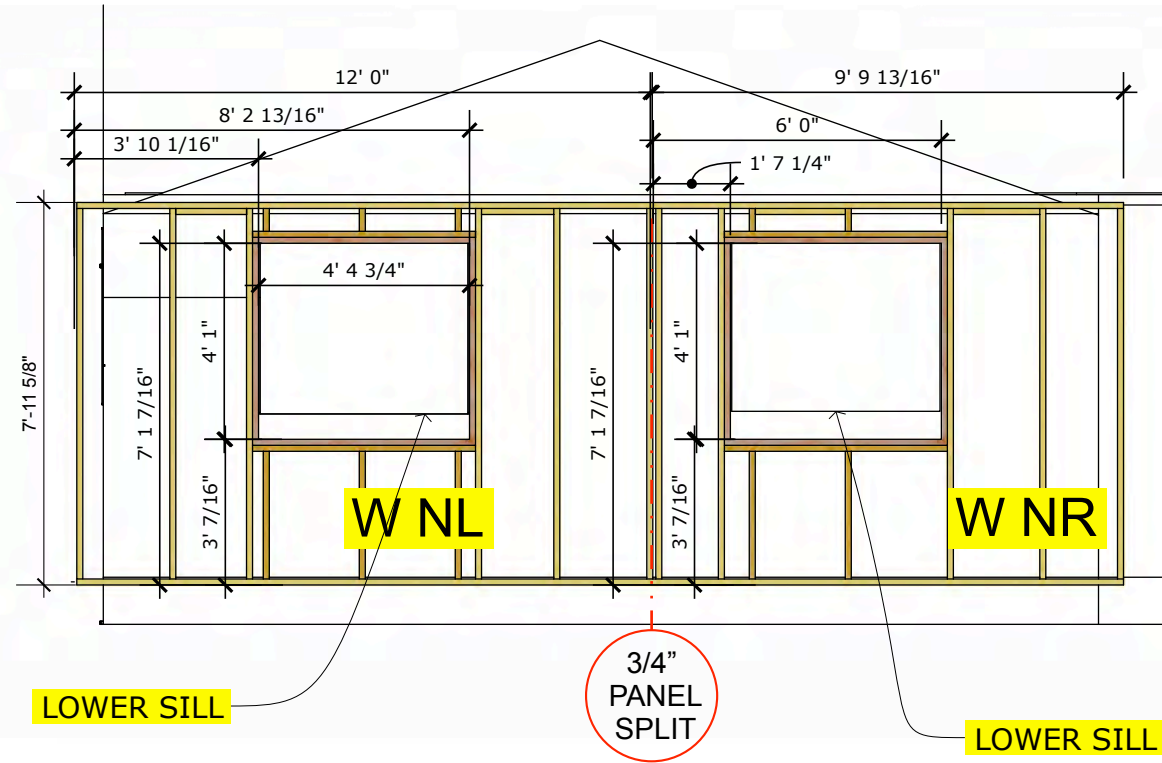
**ISSUED FOR
 CONSTRUCTION**

DRAWN BY
 PA

SOUTH PANELS

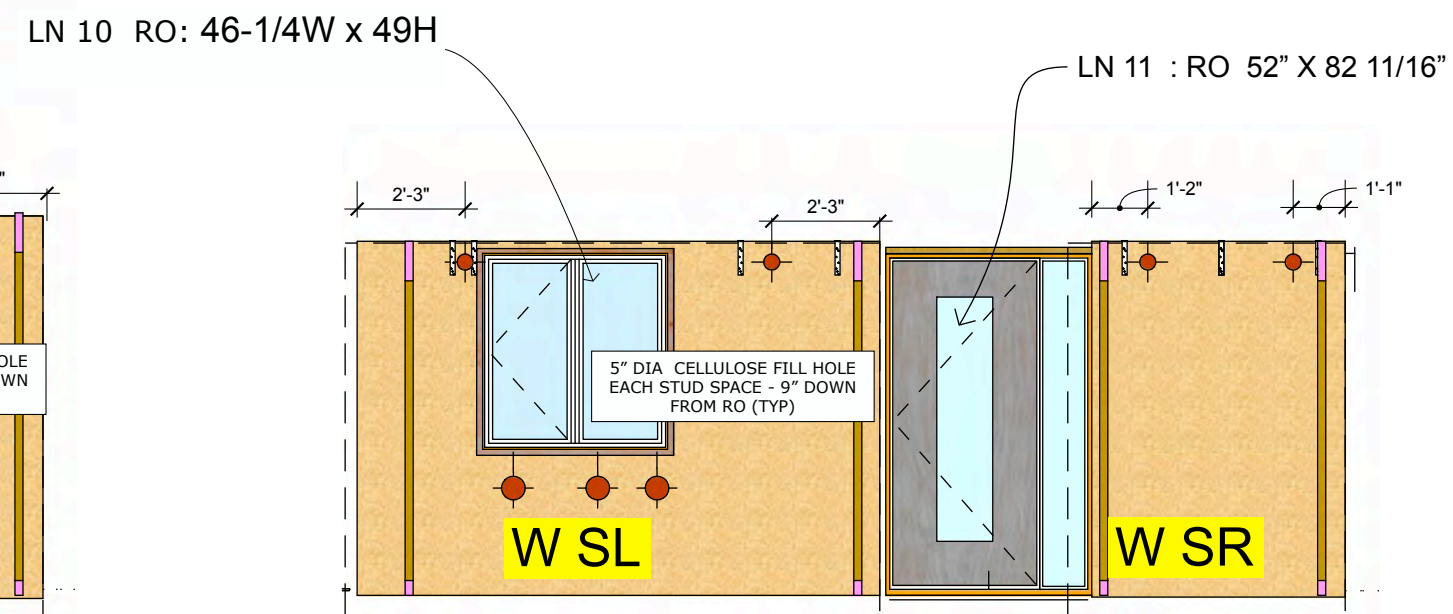
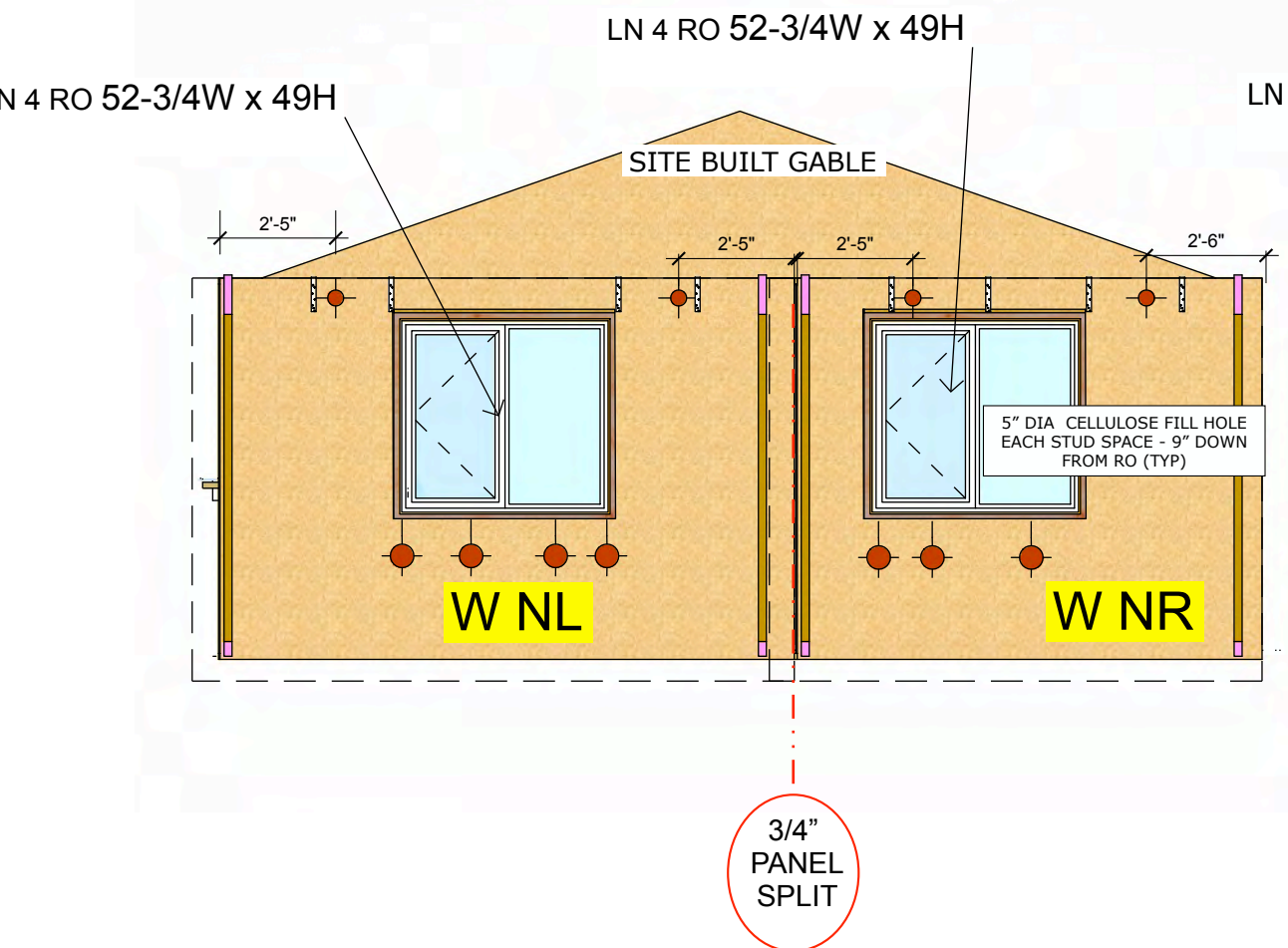


3/4"
 PANEL
 SPLIT



BUTTERWICK CONSTRUCTION & CARPENTRY LTD.
 5628 82 Ave
 Edmonton, AB T6B 3E6
 Tel: 780.434.3559
 www.butterwick.ca

BROOK SIDE RETROFIT
 Edmonton, AB



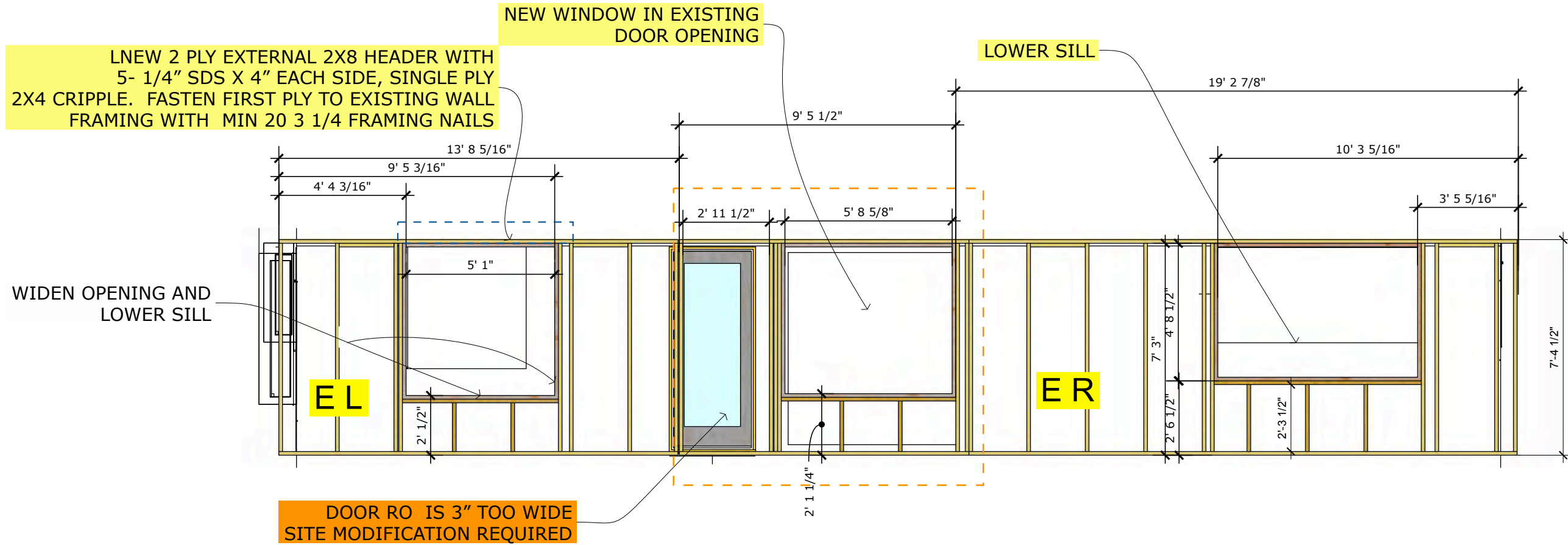
BROOK SIDE RESIDENCE DEEP ENERGY RETROFIT

DATE
 January 26, 2023

ISSUED FOR CONSTRUCTION

DRAWN BY
 PA

WEST SITE FRAME

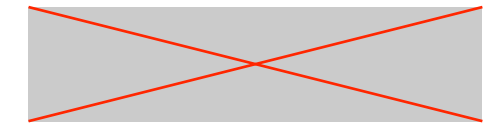
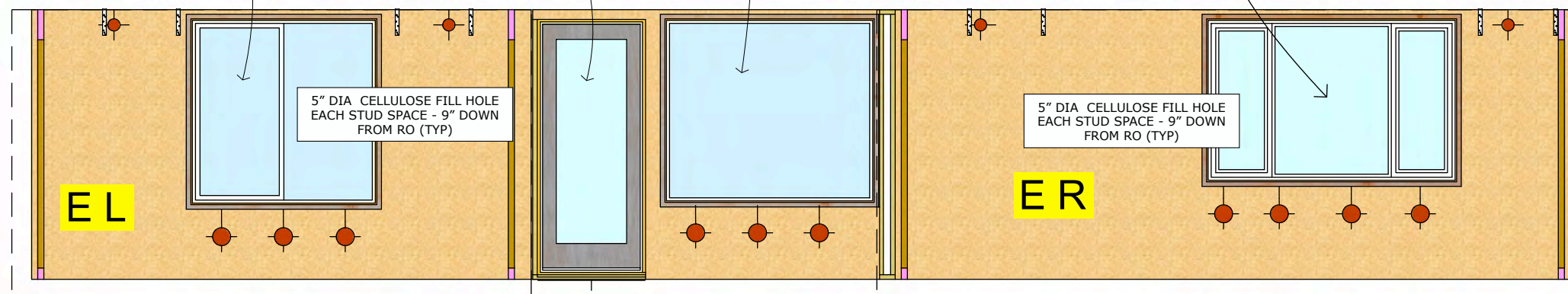


LN 13 RO 38-1/2W x 82-11/16H

LN 12 69W x 60H

LN 7 RO 61W x 61H

LN 6 RO 82W x 53-1/2H



BUTTERWICK CONSTRUCTION & CARPENTRY LTD.
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

BROOK SIDE RETROFIT
Edmonton, AB

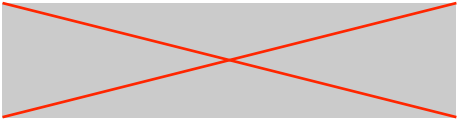
BROOK SIDE RESIDENCE DEEP ENERGY RETROFIT

DATE
January 26, 2023

ISSUED FOR CONSTRUCTION

DRAWN BY
PA

EAST SITE FRAME



BUTTERWICK CONSTRUCTION & CARPENTRY LTD.
 5628 82 Ave
 Edmonton, AB T6B 3E6
 Tel: 780.434.3559
 www.butterwick.ca

**BROOK
 SIDE
 RETROFIT**
 Edmonton, AB

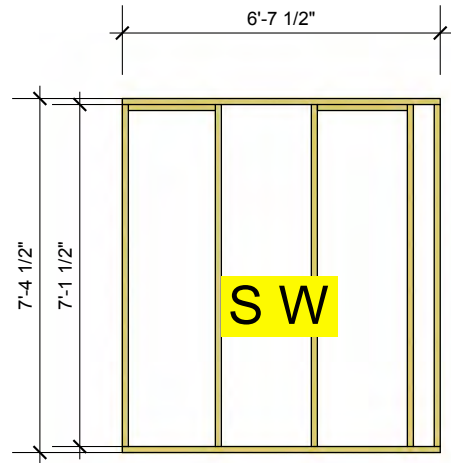
**BROOK SIDE
 RESIDENCE DEEP
 ENERGY RETROFIT**

DATE
 January 26, 2023

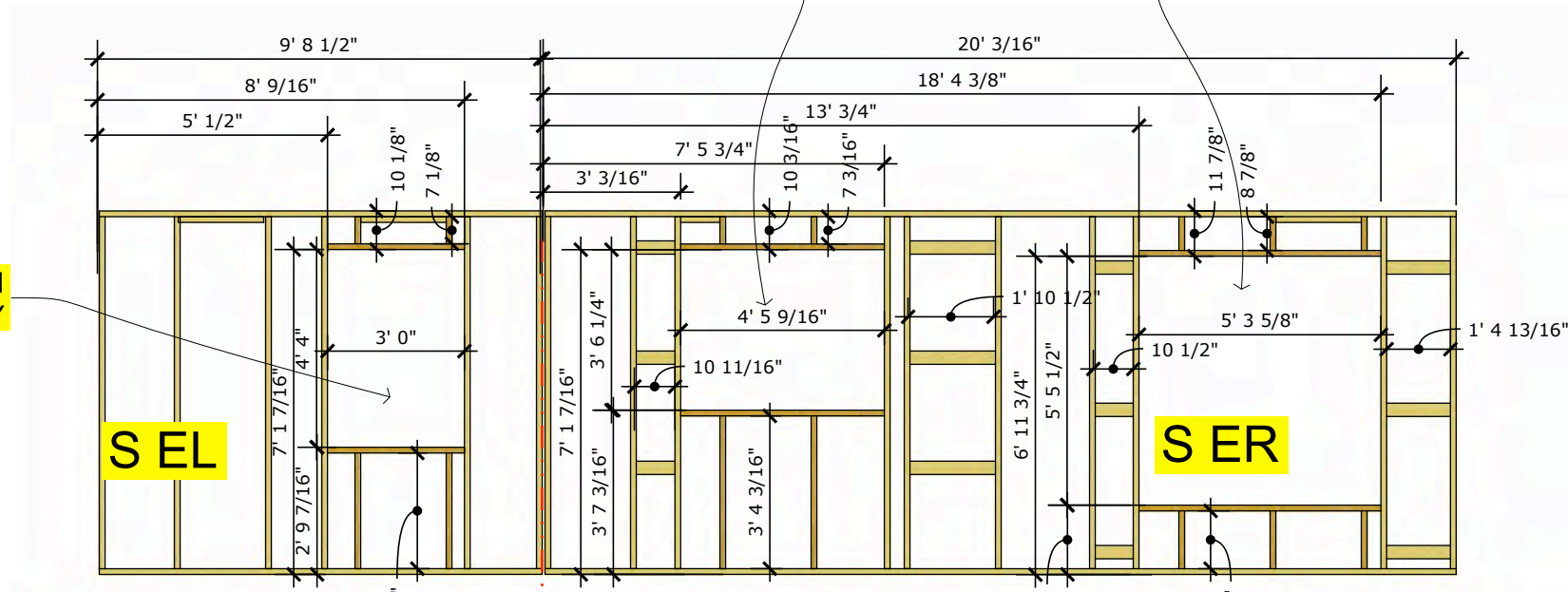
**ISSUED FOR
 CONSTRUCTION**

DRAWN BY
 PA

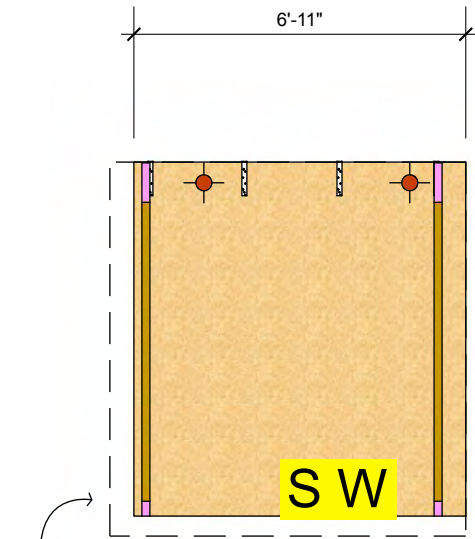
SOUTH SITE FRAME



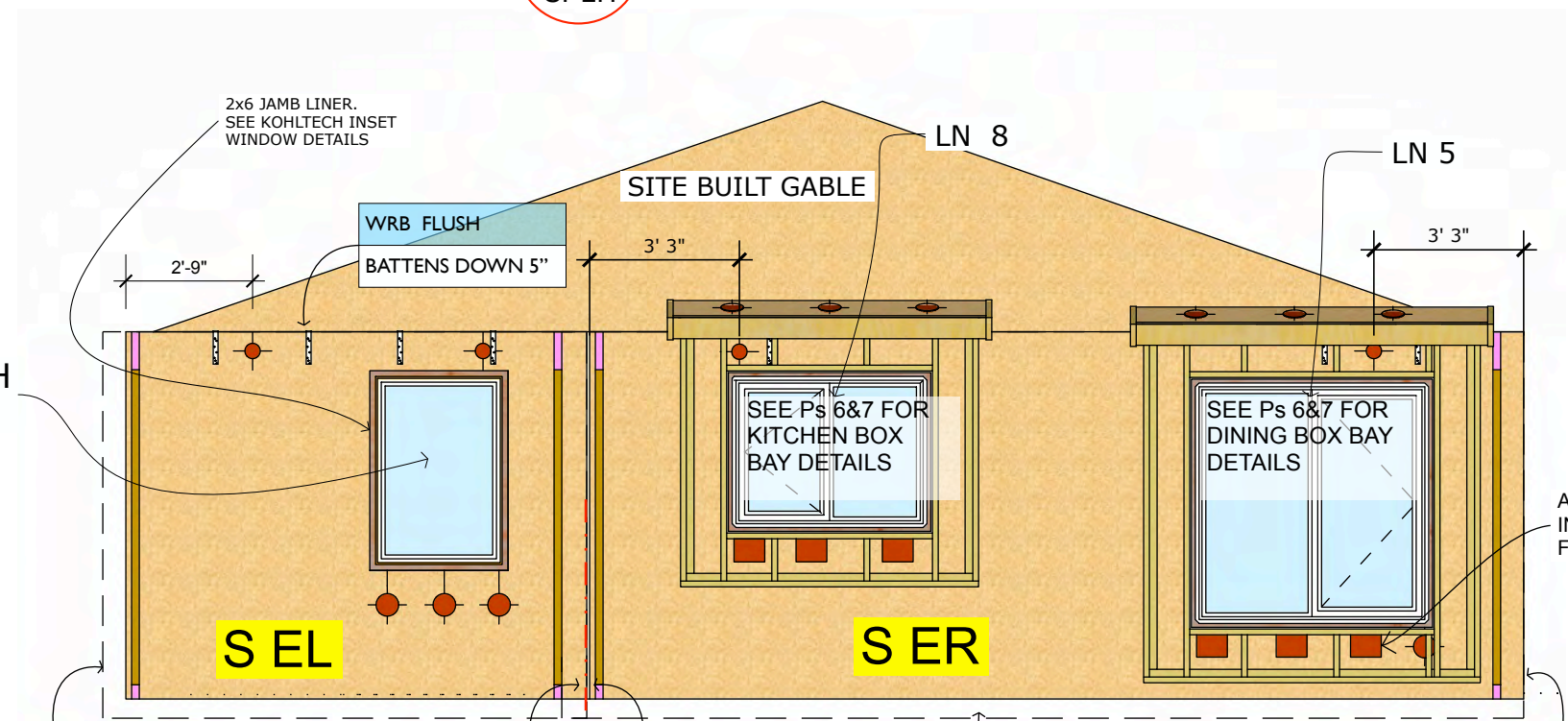
**NEW WINDOW IN
 EXISTING DOORWAY**



**3/4"
 PANEL
 SPLIT**



LN 9 RO: 33W x 49H



**3/4"
 PANEL
 SPLIT**

APPROX 6" x8" CUTOUT
 IN EACH STUD SPACE
 FOR CELLULOSE FILL

3 1/2" OSB OH
 6" WRB LAP
 2" BATTEN SETBACK

3 1/2" OSB OH
 WRB FLUSH
 6" BATTEN SETBACK

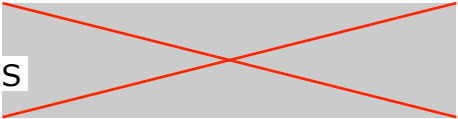
3 1/2" OSB OH
 6" WRB LAP
 2" BATTEN SETBACK

OSB FLUSH
 WRB FLUSH
 6" BATTEN SETBACK

OSB FLUSH
 6" WRB LAP
 2" BATTEN SETBACK

5 1/2" WRB LAP
 BATTENS UP 4"

3 1/2" OSB OH
 WRB FLUSH
 6" BATTEN SETBACK



BUTTERWICK CONSTRUCTION & CARPENTRY LTD.
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

BROOK SIDE RESIDENCE DEEP ENERGY RETROFIT
BROOK SIDE RESIDENCE DEEP ENERGY RETROFIT
Edmonton, AB

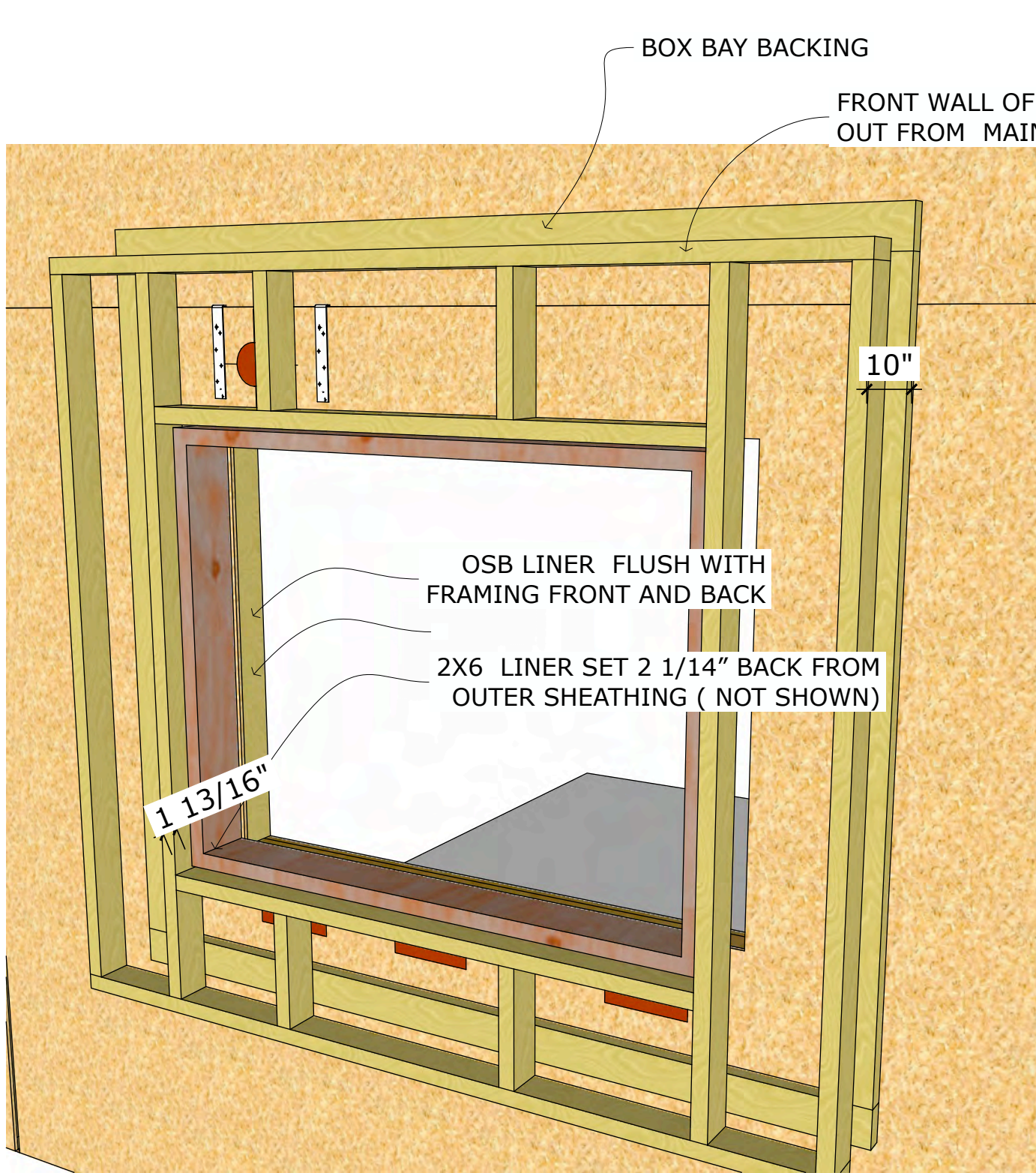
BROOK SIDE RESIDENCE DEEP ENERGY RETROFIT

DATE
January 26, 2023

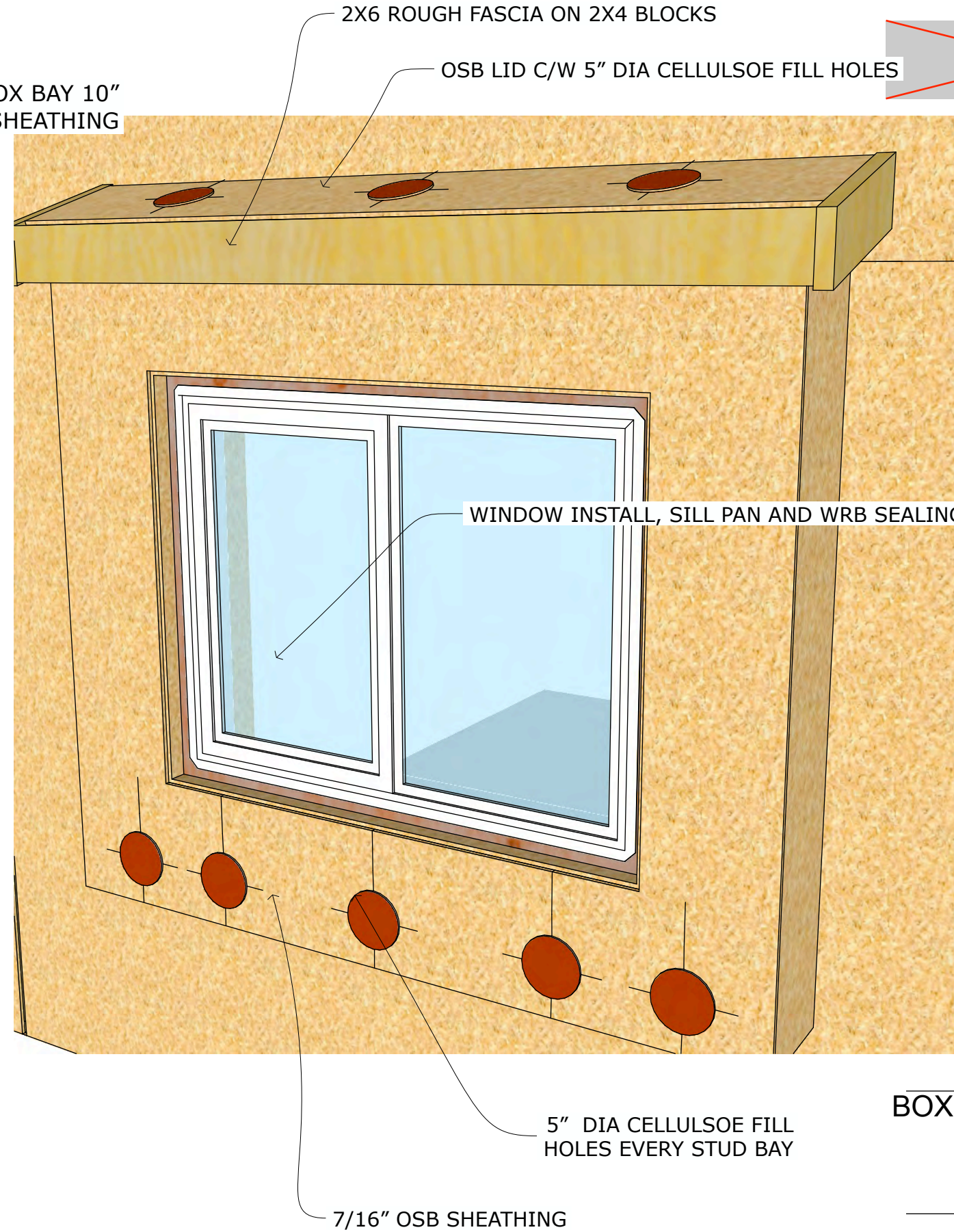
ISSUED FOR INSTRUCTION

DRAWN BY
PA

BOX BAY DETAILS



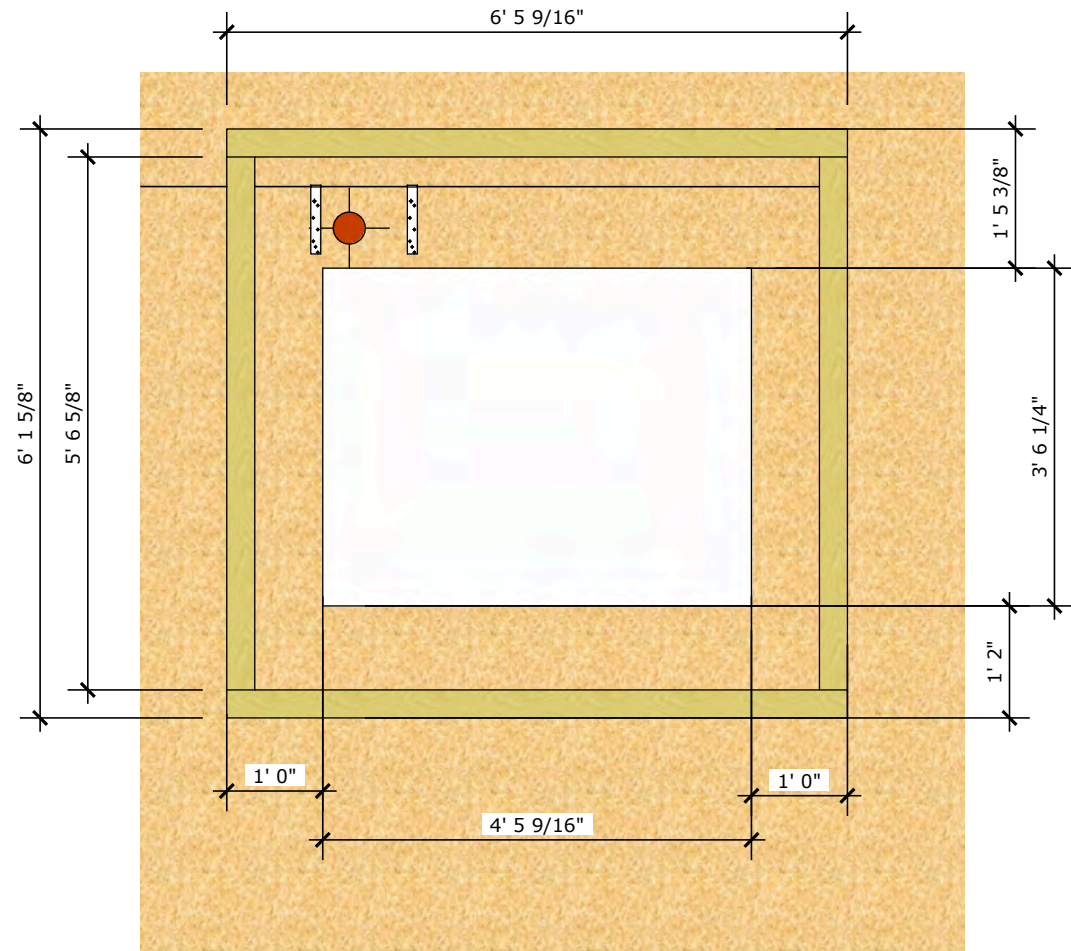
TYPICAL BOX BAY FROM OUTSIDE
(BOX BAY SHEATHING NOT SHOWN)



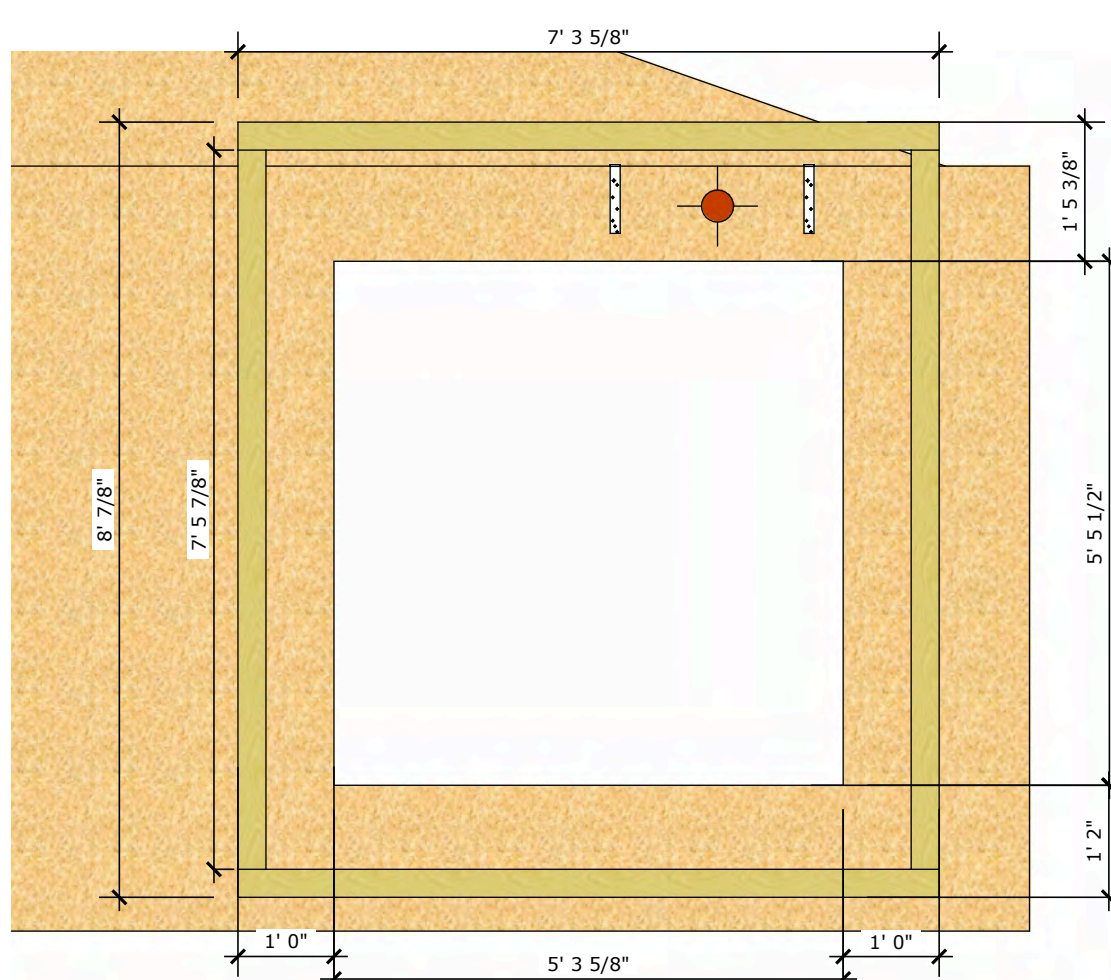
7/16" OSB SHEATHING

5" DIA CELLULOSE FILL HOLES EVERY STUD BAY

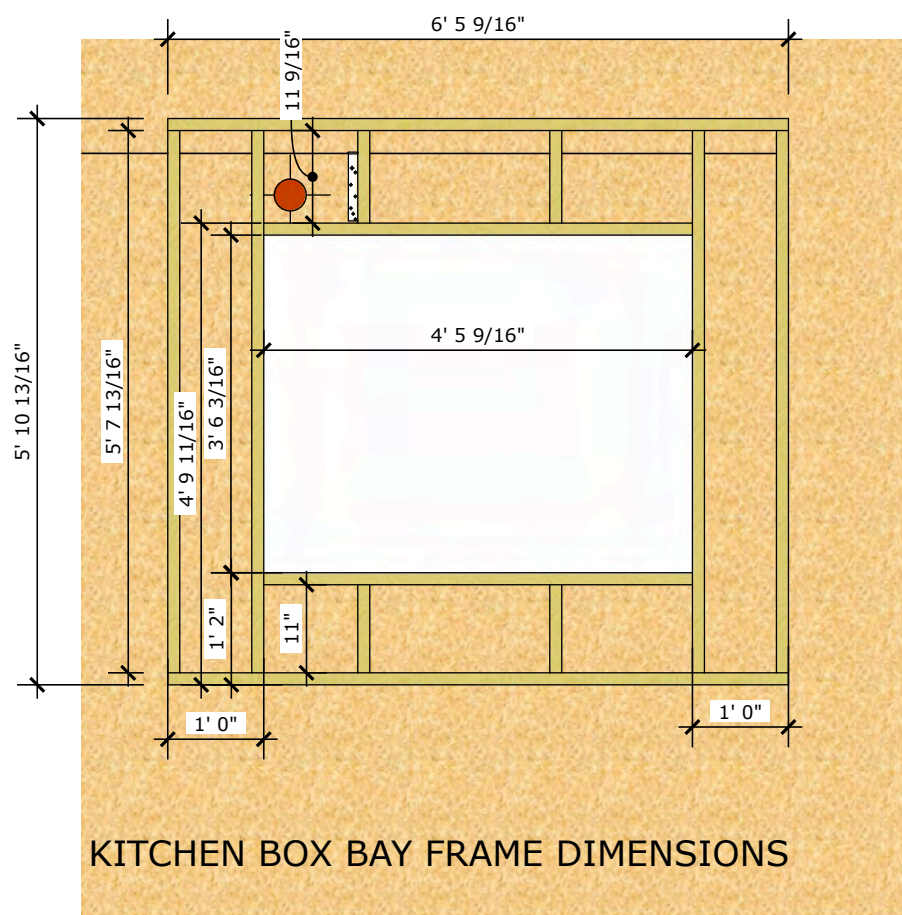
WINDOW INSTALL, SILL PAN AND WRB SEALING PER AND WR



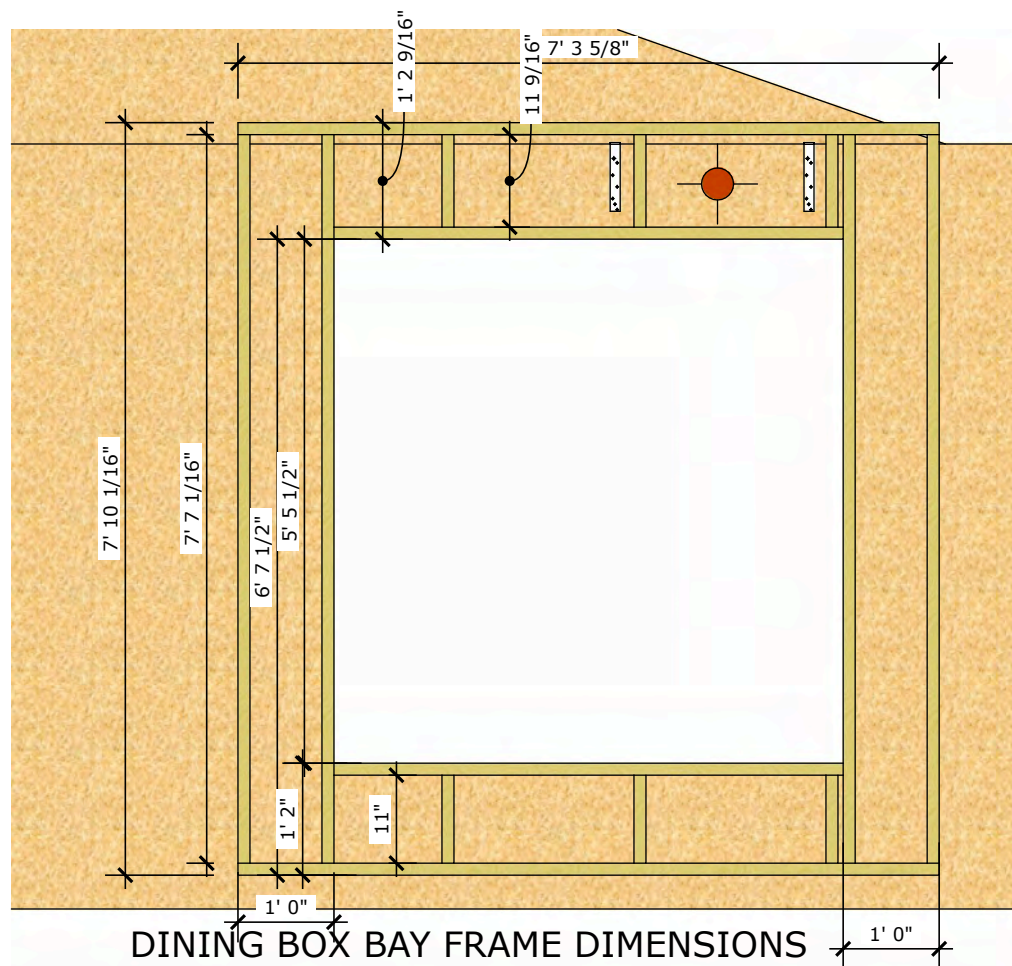
KITCHEN BOX BAY BACKING DIMENSIONS



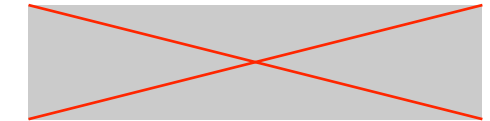
DINING BOX BAY BACKING DIMENSIONS



KITCHEN BOX BAY FRAME DIMENSIONS



DINING BOX BAY FRAME DIMENSIONS



BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

BROOK
SIDE
RETROFIT
Edmonton, AB

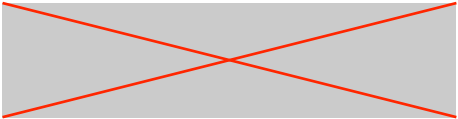
BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT

DATE
January 26, 2023

ISSUED FOR
CONSTRUCTION

DRAWN BY
PA

BOX BAY FRAME
DIMENSIONS



**BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.**
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

**BROOK
SIDE
RETROFIT**
Edmonton, AB

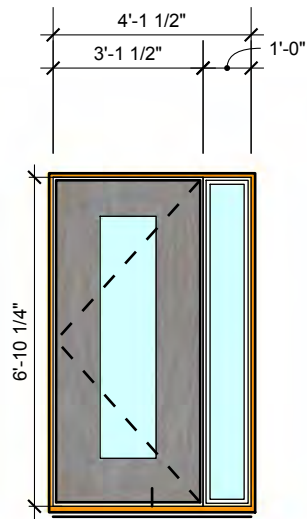
**BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT**

DATE
January 26, 2023

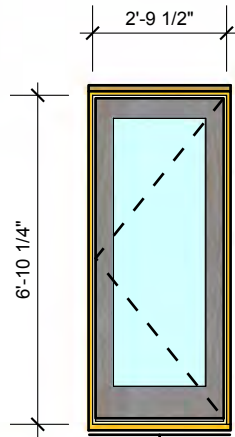
**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

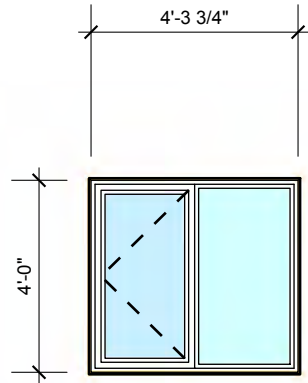
WINDOW SCHEDULE



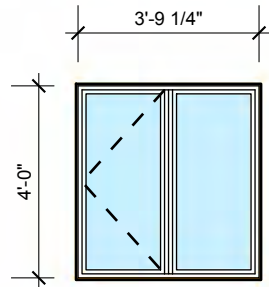
FRONT DOOR



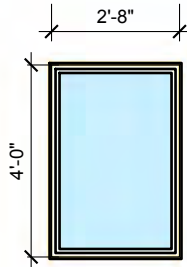
BACK DOOR



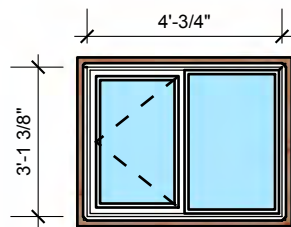
WEST BEDROOMS - 2 REQ'D



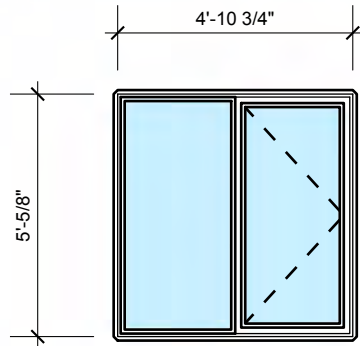
FOYER WEST



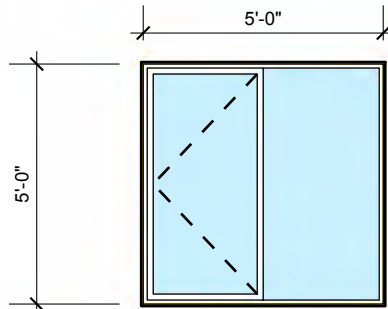
FOYER WEST



KITCHEN BAY SOUTH



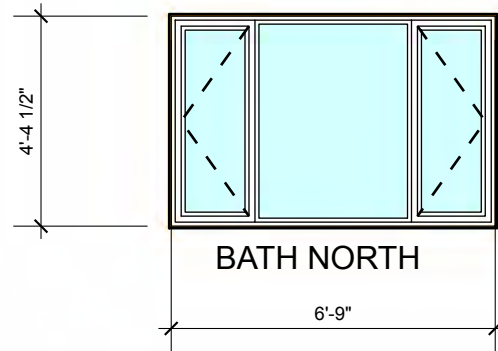
DINING BAY SOUTH



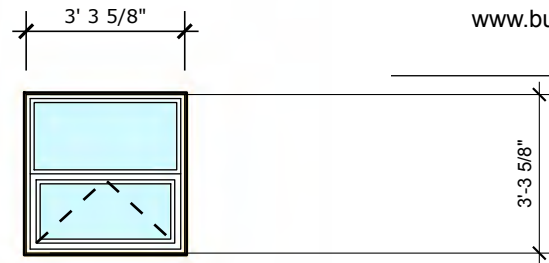
DINING EAST



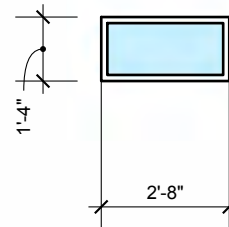
DINING EAST



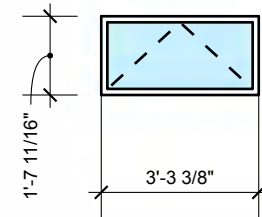
BATH NORTH



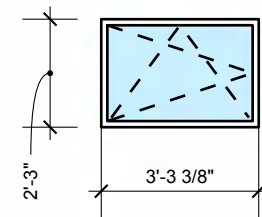
BATHROOM NORTH



BASEMENT BEDROOM
WEST



BASEMENT BEDROOM
NORTH WEST



BASEMENT BEDROOM
NORTH WEST

- ALL DIMENSIONS ARE OSM OF FRAME

TRANSITION AIR BARRIER FROM ATTIC
SPRAY FOAM TO PANEL WRB/ AIR BARRIER
WITH A LAYER OF SPRAY FOAM

FILL W/ ROXUL AFTER SPRAY
FOAM AND CELLULOSE FILL

SIGA MAJVEST TRPPED BEHIND 2X2
FOR SPRAY FOAM AND TUCKED
OUT OF THE WAY FOR CELLULOSE FILL

WINDOWS:

NFRC: Energy Star U=0.85 SHGC=0.27 ER=37

NRCan=NR5695-34935108

NAFS: LC-PG45 PDP=2160Pa(45psf) NDP=-2160Pa(-45psf)

WPRTP=720Pa(15.04psf) CAI=Fixed Mullion

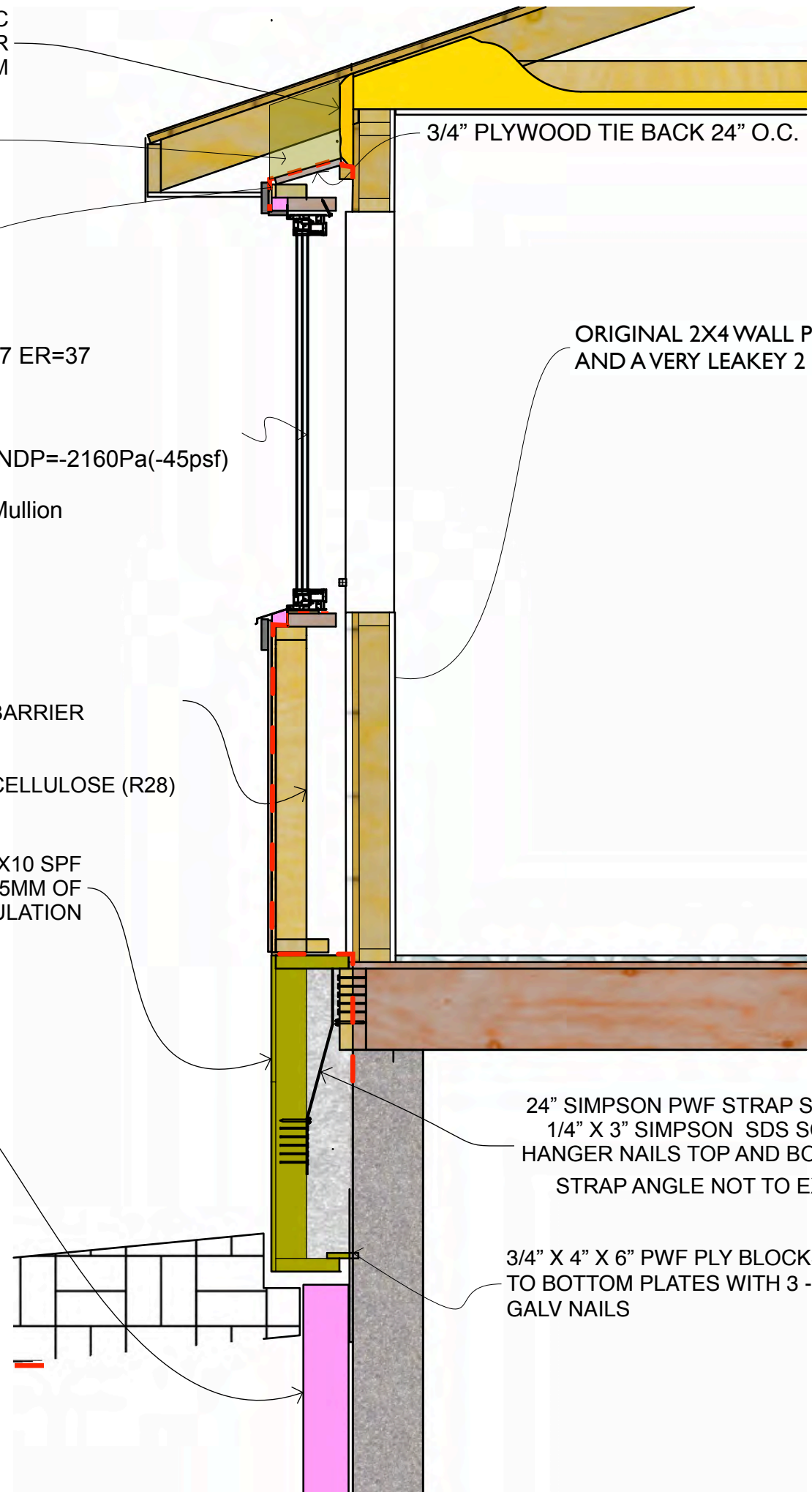
NEW RETROFIT PANELS:

- REUSED CEDAR AND LP PANEL SIDING
- 10MM VENTED RAIN SCREEN
- SIGA MAJVEST WRB AND AIR BARRIER:
CONTINUOUS SEALED, VAPOUR OPEN, AIR BARRIER
AND WATER RESISTIVE BARRIER
- 2X4 24" OC W 7/16" OSB
- CAVITY FILLED WITH 8" OF DENSE PACKED CELLULOSE (R28)

PWF PANEL SUPPORT BOX HUNG FROM 2X10 SPF
LEDGER AND FILLED WITH MIN125MM OF
SPRAY FOAM INSULATION

150MM GRAPHITE INFUSED
(NEOPRE) EPS TO FOOTING (R30)

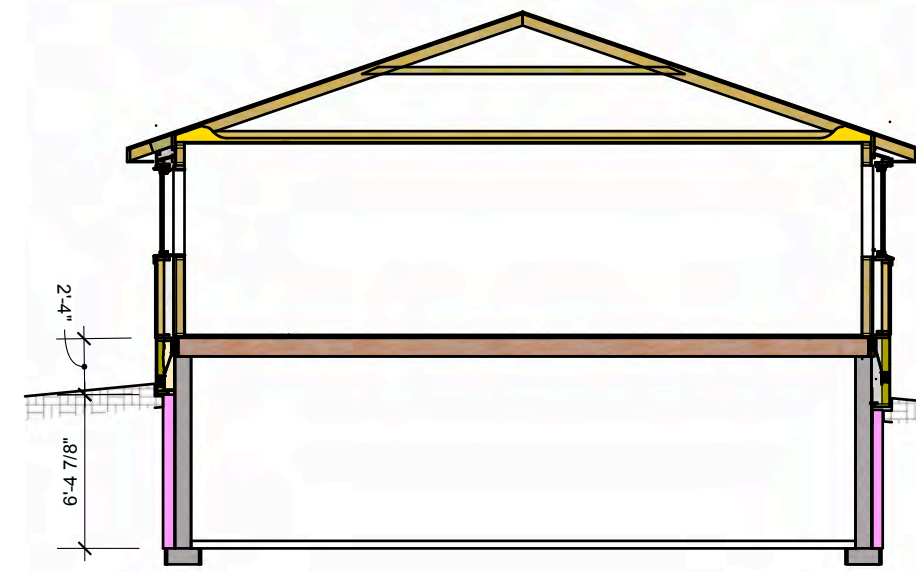
AIR BARRIER PATH



3/4" PLYWOOD TIE BACK 24" O.C.

ORIGINAL 2X4 WALL PRESUMED TO HAVE R10 FIBREGLAS INSULATION
AND A VERY LEAKY 2 MIL VAPOUR BARRIER

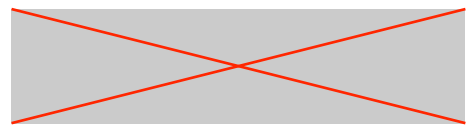
REMOVE EXISTING INSULATION
SEAL ATTIC WITH ~ 2" OF SPRAY FOAM
ADD R55 LOOSE FILL CELLULOSE



2'-4"
6'-4 7/8"

24" SIMPSON PWF STRAP SECURED WITH ONE
1/4" X 3" SIMPSON SDS SCREW AND 5 - 3 1/4"
HANGER NAILS TOP AND BOTTOM, MAX 24" OC
STRAP ANGLE NOT TO EXCEED 1:3 OR 18.5°

3/4" X 4" X 6" PWF PLY BLOCKS SECURED
TO BOTTOM PLATES WITH 3 - 2 1/2"
GALV NAILS



BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

BROOK
SIDE
RETROFIT
Edmonton, AB

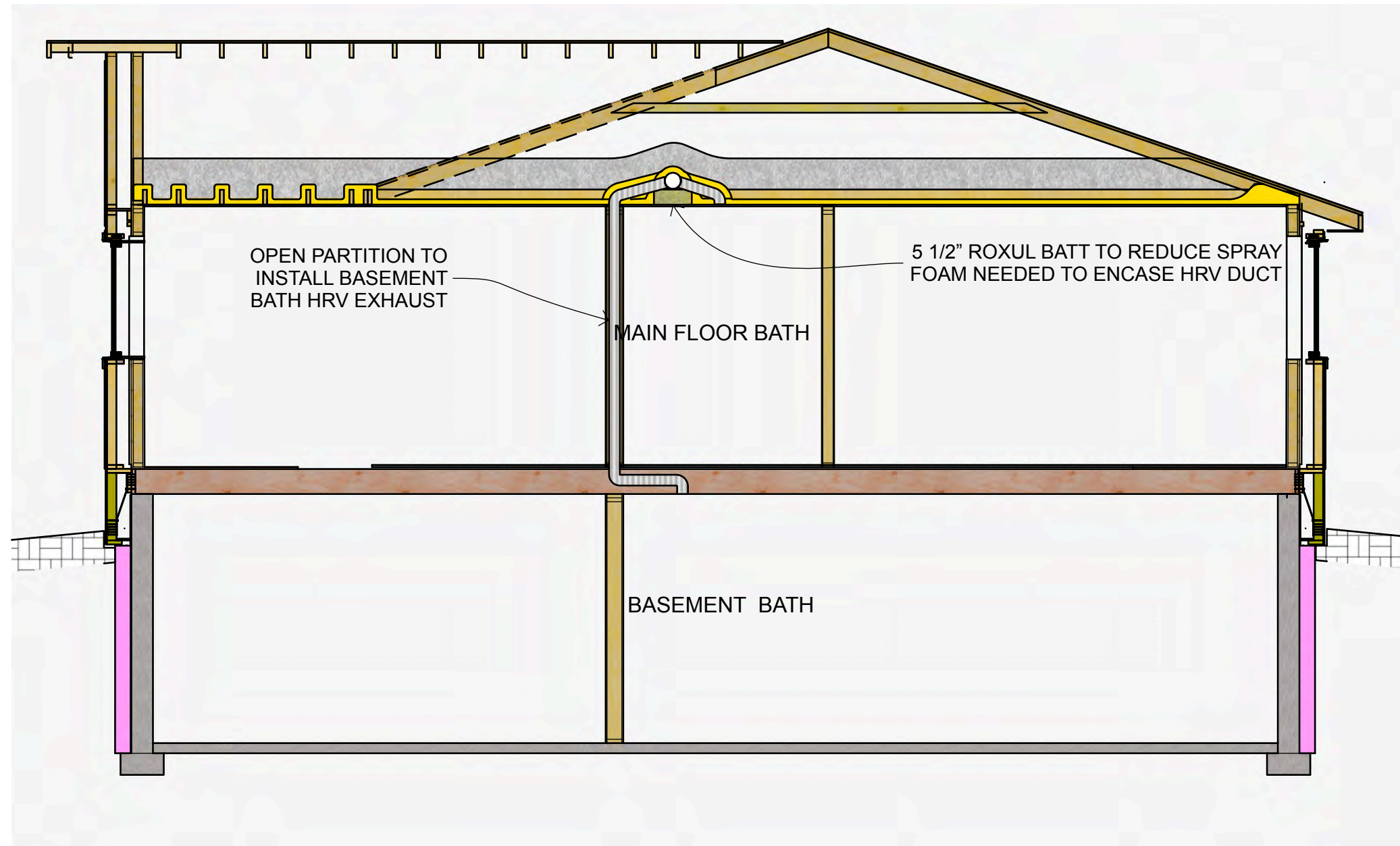
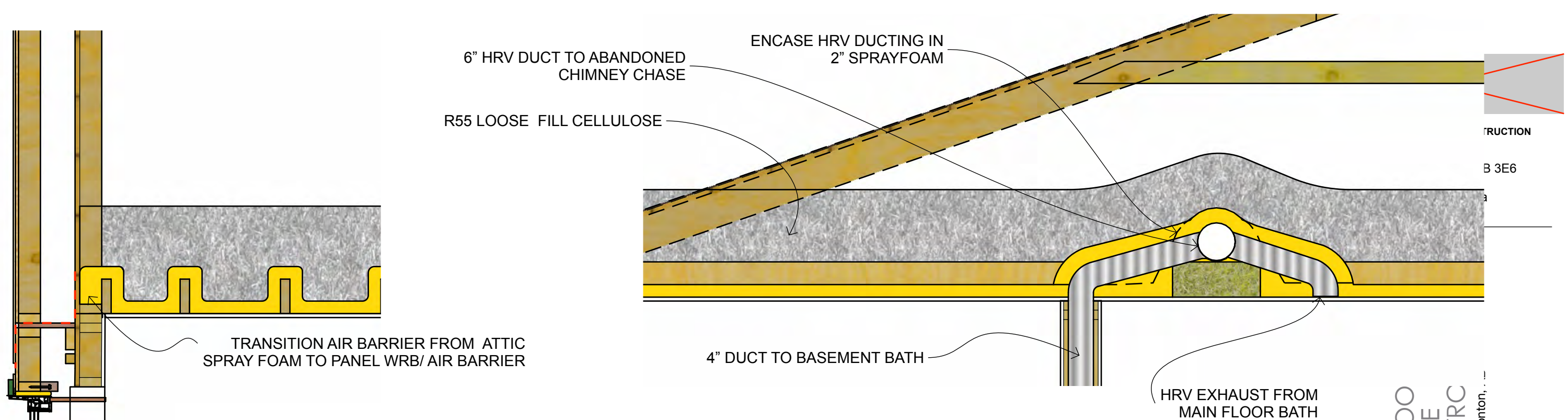
BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT

DATE
January 26, 2023

ISSUED FOR
CONSTRUCTION

DRAWN BY
PA

SECTION 1



BROOK
SIDE
RETRC
Edmonton, ...

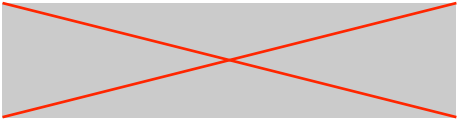
BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT

DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

SECTION 2



**BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.**
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

**BROOK
SIDE
RETROFIT**
Edmonton, AB

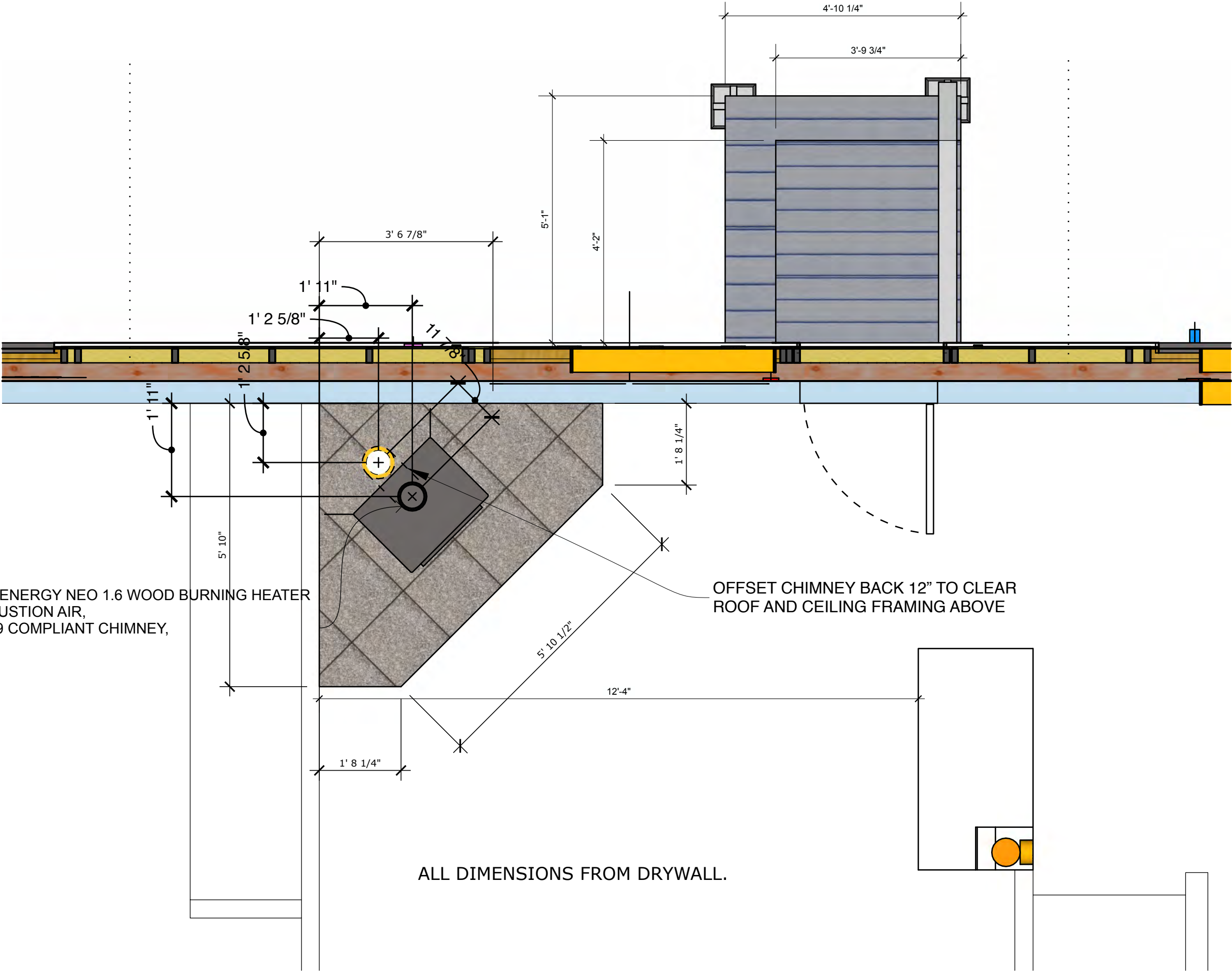
**BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT**

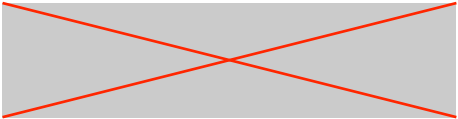
DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

**WOOD HEATER
DETAILS**





BUTTERWICK CONSTRUCTION
& CARPENTRY LTD.
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

BROOK
SIDE
RETROFIT
Edmonton, AB

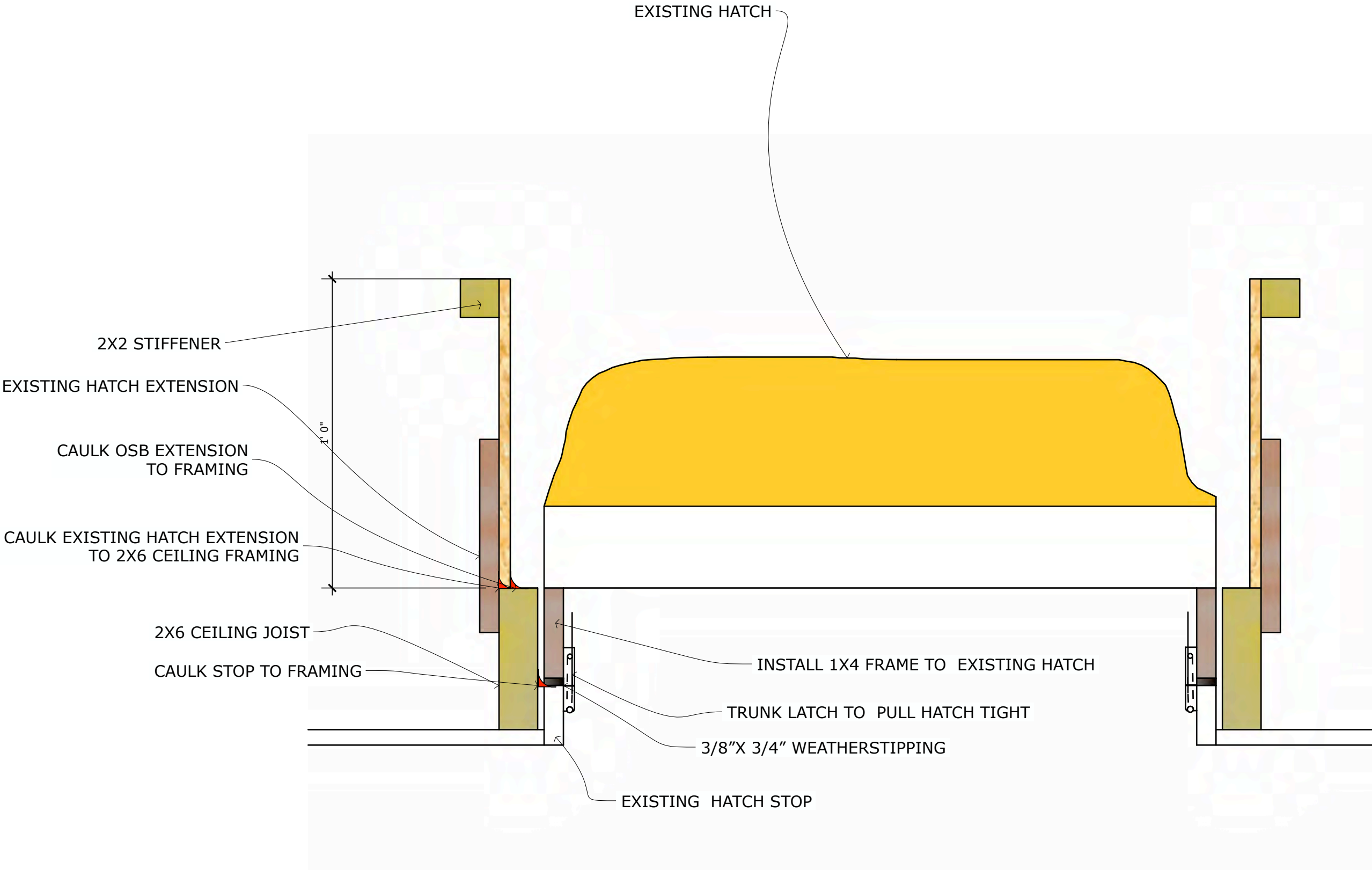
BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT

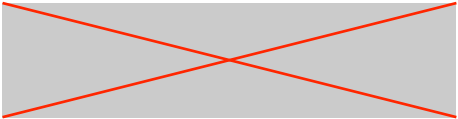
DATE
January 26, 2023

**ISSUED FOR
CONSTRUCTION**

DRAWN BY
PA

ATTIC HATCH
EXTENSION





BUTTERWICK CONSTRUCTION & CARPENTRY LTD.
5628 82 Ave
Edmonton, AB T6B 3E6
Tel: 780.434.3559
www.butterwick.ca

BROOK
SIDE
RETROFIT
Edmonton, AB

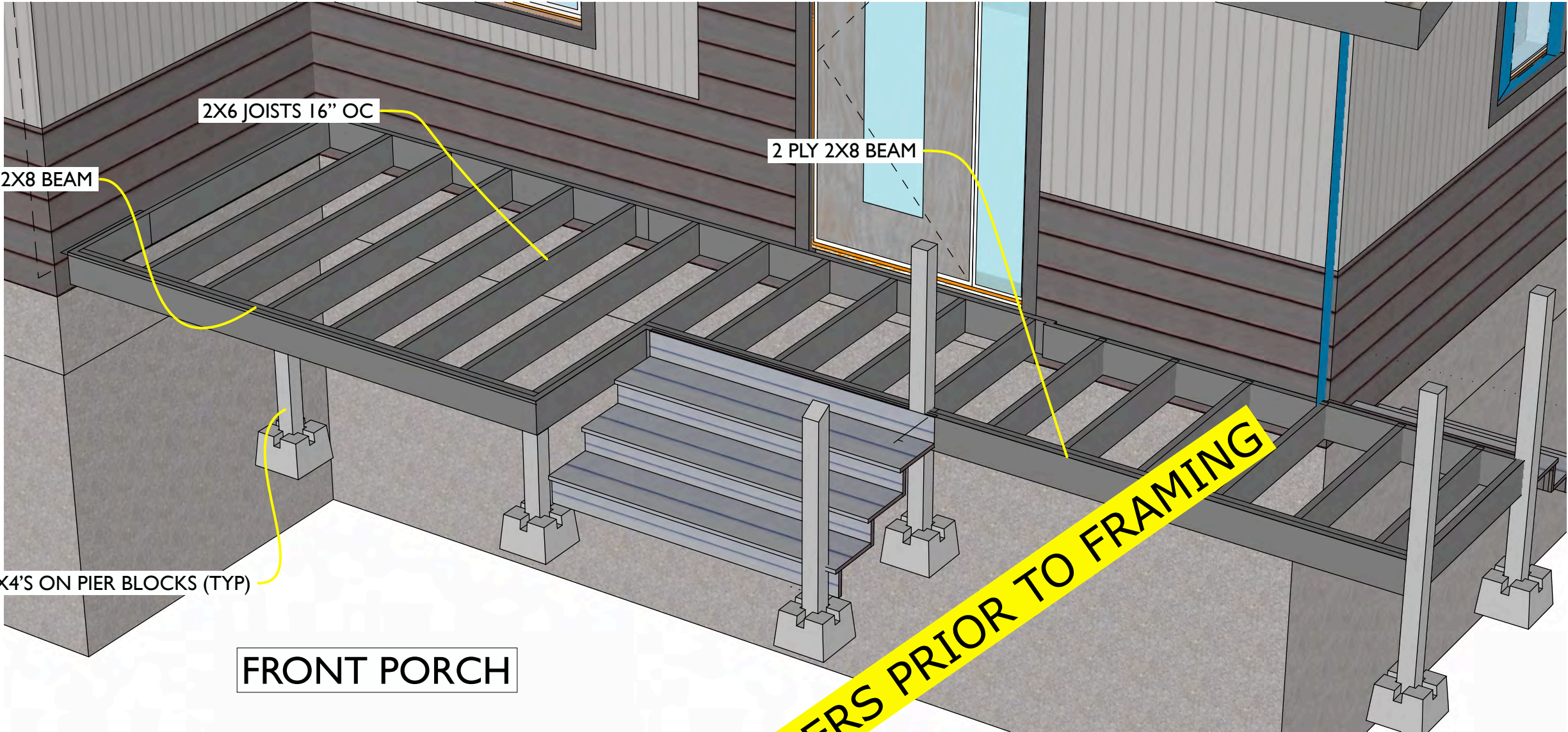
BROOK SIDE
RESIDENCE DEEP
ENERGY RETROFIT

DATE
January 26, 2023

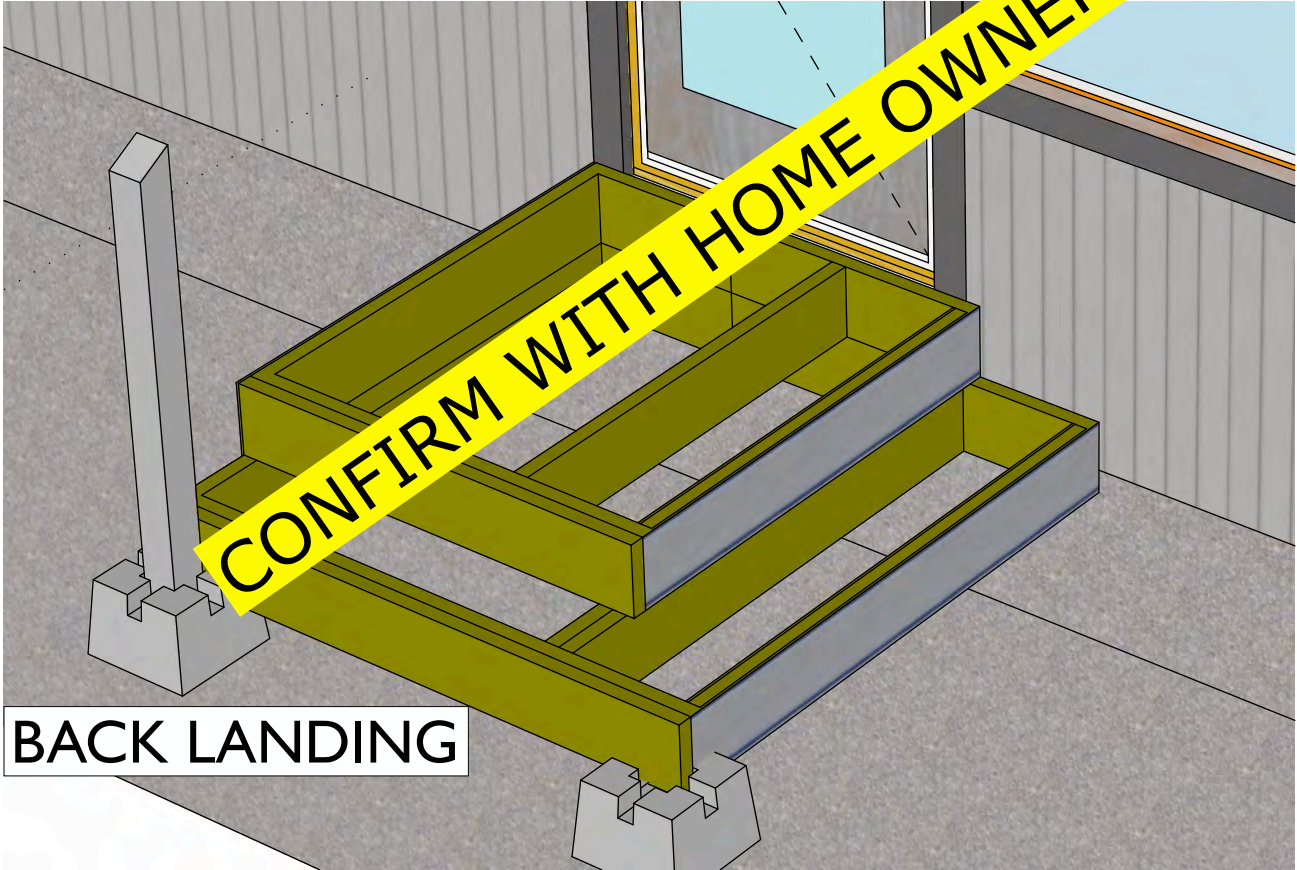
ISSUED FOR
CONSTRUCTION

DRAWN BY
PA

DECK FRAMING



FRONT PORCH



BACK LANDING