NOTES:

MECHANICAL

SPACE HEATING EQUIPMENT AS PER COMPLIANCE PACKAGE A1 OF SB-12 [TABLE 3.1.1.2.A(IP)

AIR BARRIERS AS PER OBC 9.25.3

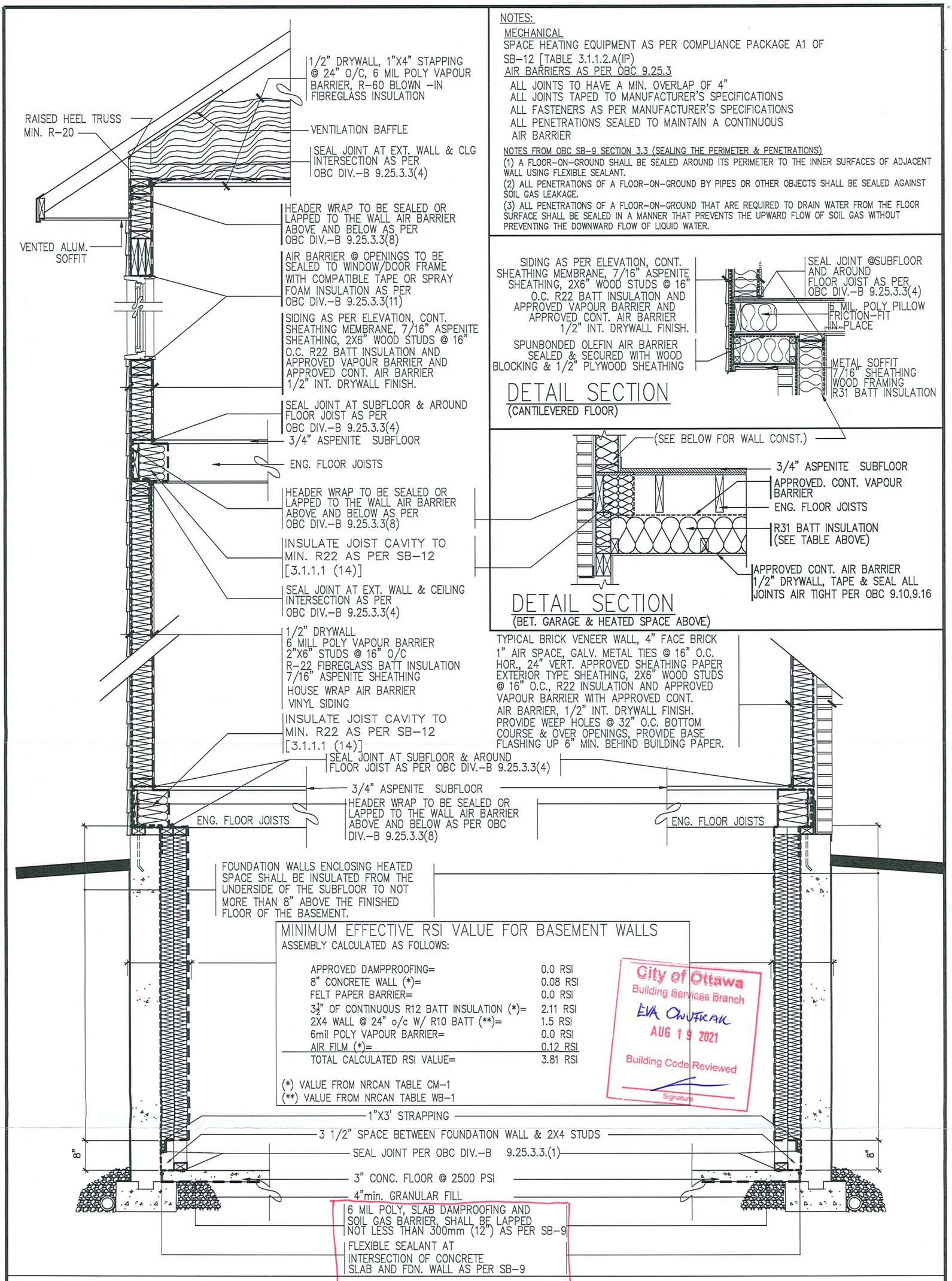
ALL JOINTS TO HAVE A MIN. OVERLAP OF 4"
ALL JOINTS TAPED TO MANUFACTURER'S SPECIFICATIONS
ALL FASTENERS AS PER MANUFACTURER'S SPECIFICATIONS
ALL PENETRATIONS SEALED TO MAINTAIN A CONTINUOUS AIR BARRIER

NOTES FROM OBC SB-9 SECTION 3.3 (SEALING THE PERIMETER & PENETRATIONS)

(1) A FLOOR-ON-GROUND SHALL BE SEALED AROUND ITS PERIMETER TO THE INNER SURFACES OF ADJACENT WALL USING FLEXIBLE SEALANT.

(2) ALL PENETRATIONS OF A FLOOR-ON-GROUND BY PIPES OR OTHER OBJECTS SHALL BE SEALED AGAINST SOIL GAS LEAKAGE.

(3) ALL PENETRATIONS OF A FLOOR-ON-GROUND THAT ARE REQUIRED TO DRAIN WATER FROM THE FLOOR SURFACE SHALL BE SEALED IN A MANNER THAT PREVENTS THE UPWARD FLOW OF SOIL GAS WITHOUT PREVENTING THE DOWNWARD FLOW OF LIQUID WATER.



SOIL GAS CONTROL

TYP. DETAIL SECTION
FOR SIDING APPLICATION

PART TYP. DETAIL SECTION
FOR BRICK VENEER APPLICATION

DETAIL SECTION
(CANTILEVERED FLOOR)

DETAIL SECTION
(BET. GARAGE & HEATED SPACE ABOVE)

MINIMUM EFFECTIVE RSI VALUE FOR BASEMENT WALLS

ASSEMBLY CALCULATED AS FOLLOWS:

APPROVED DAMPPROOFING=	0.0 RSI
8" CONCRETE WALL (*)=	0.08 RSI
FELT PAPER BARRIER=	0.0 RSI
3½" OF CONTINUOUS R12 BATT INSULATION (*)=	2.11 RSI
2X4 WALL @ 24" o/c W/ R10 BATT (**)=	1.5 RSI
6mil POLY VAPOUR BARRIER=	0.0 RSI
AIR FILM (*)=	0.12 RSI
TOTAL CALCULATED RSI VALUE=	3.81 RSI

(*) VALUE FROM NRCAN TABLE CM-1
(**) VALUE FROM NRCAN TABLE WB-1

City of Ottawa
Building Services Branch
EVA ONUFRAK
AUG 19 2021
Building Code Reviewed
Signature

PHOENIX HOMES

SB-12 COMPLIANCE PACKAGE DETAILS (ALL MODELS)

SITE COPY
City of Ottawa

No.	Description	Date	By
3	SB-12 – 2017 UPDATE	JAN – 2017	SP
2	ADDED CANTILEVERED FLOOR DETAIL	MAR28-12	TL
1	OBC SB-9 & SB-12 COMPLIANCE PACKAGE	JAN22-12	TL

REVISIONS

footprint:	
drawn by:	SP
date:	
scale:	N/A
sheet no:	SB-12 DETAILS