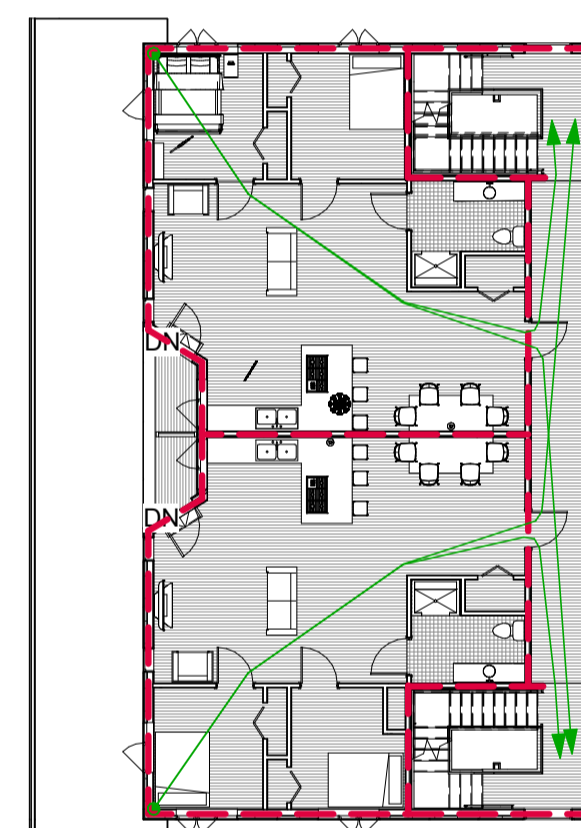




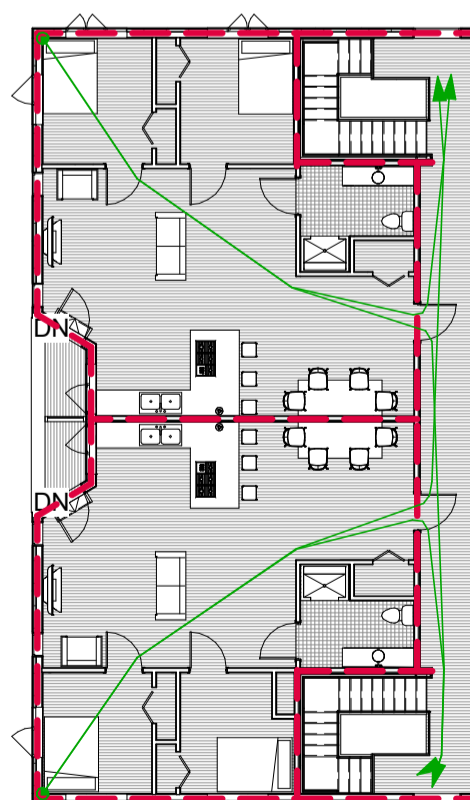




① MAIN FLOOR MATRIX  
1/16" = 1'-0"

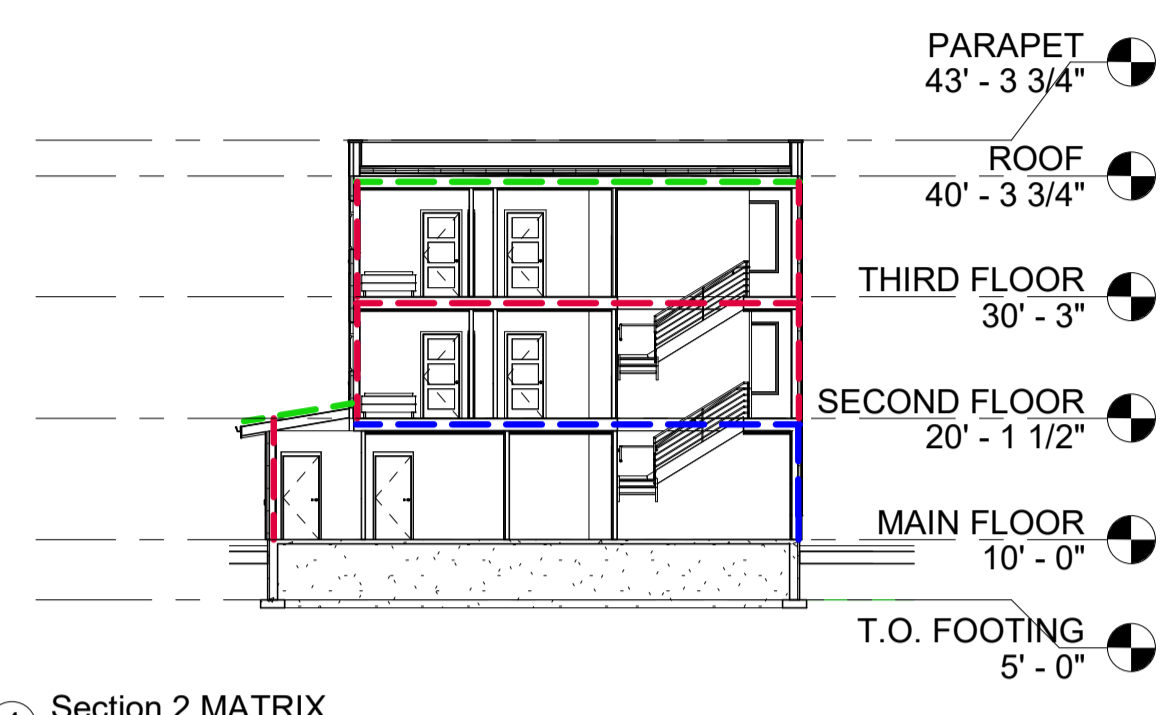


② SECOND FLOOR MATRIX  
1/16" = 1'-0"

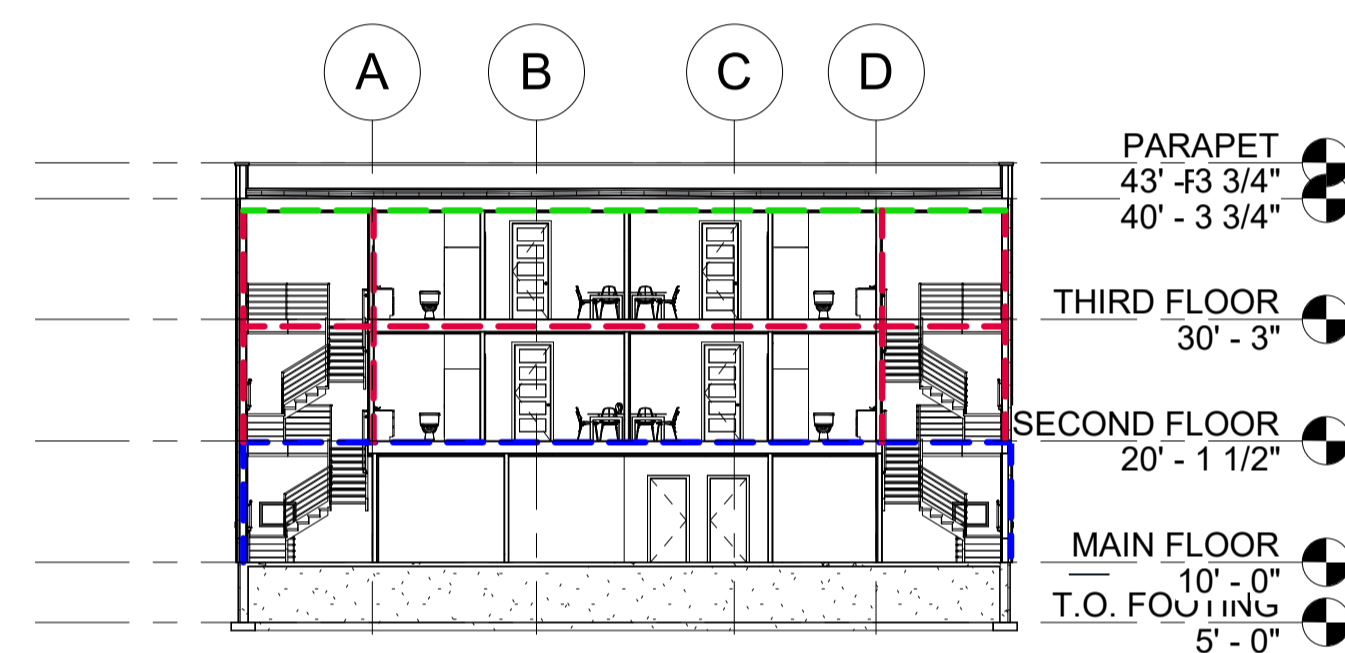


③ THIRD FLOOR MATRIX  
1/16" = 1'-0"

④ Section 2 MATRIX  
1/16" = 1'-0"



⑤ Section 1 MATRIX  
1/16" = 1'-0"



FIRE RATED ASSEMBLIES	
LEGEND LINE TYPE	FRR
1 (Green dashed line)	45 MINS
2 (Red dashed line)	1 HOUR
3 (Blue dashed line)	2 HOURS

Item	National Building Code Data Matrix Parts 3 & 9				NBC Reference (NBC 2019 AE)						
	Project Description: <input type="checkbox"/> New <input type="checkbox"/> Part 11 <input type="checkbox"/> Part 3 <input type="checkbox"/> Part 9 <input type="checkbox"/> Change of Use <input type="checkbox"/> Addition <input type="checkbox"/> Alteration										
2	Major Occupancy(s) <small>GROUP E &amp; GROUP C</small>				3.1.2.1.(1) 9.10.2						
3	Building Area (m <sup>2</sup> ) Existing N/A New 696.77 Total 696.77				1.1.3.2 1.1.3.2						
4	Gross Area Existing N/A New 696.85 Total 696.85				1.1.3.2 1.1.3.2						
5	Number of Storeys Above grade 3 Below grade 0				3.2.1.1 & 1.1.3.2 2.1.3.1						
6	Height of Building (m) 10.15 m				2.1.3.1						
7	Number of Streets/Access Routes 2				3.2.2.10 & 3.2.5.5						
8	Building Classification N/A				3.2.2.20-83 9.10.4						
9	Sprinkler System Proposed <input type="checkbox"/> entire building <input type="checkbox"/> basement only <input type="checkbox"/> in lieu of roof rating <input checked="" type="checkbox"/> not required				3.2.2.20-83 3.2.1.5 3.2.2.17 9.10.8.2						
10	Standpipe required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				3.2.9						
11	Fire Alarm required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				3.2.4 9.10.17.2						
12	Water Service/Supply is Adequate <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
13	High Building <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				3.2.6						
14	Permitted Construction <input checked="" type="checkbox"/> Combustible <input type="checkbox"/> Non-combustible Actual Construction <input checked="" type="checkbox"/> Combustible <input type="checkbox"/> Non-combustible				3.2.2.20-83 9.10.6						
15	Mezzanine(s) Area m <sup>2</sup> N/A				3.2.1.1.(3)-(8) 9.10.4.1						
16	Occupant load based on <input type="checkbox"/> m <sup>2</sup> /person <input type="checkbox"/> design of building Basement: Occupancy _____ Load _____ persons 1 <sup>st</sup> Floor: Occupancy _____ Load _____ persons 2 <sup>nd</sup> Floor: Occupancy _____ Load _____ persons 3 <sup>rd</sup> Floor: Occupancy _____ Load _____ persons				3.1.1.6 9.9.1.3						
17	Barrier-free Design <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain)				3.8 9.5.2						
18	Hazardous Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				3.3.1.2.(1) & 3.3.1.19(1) 9.10.1.3						
19	Required Fire Resistance Rating (FRR)	Horizontal Assemblies FRR (Hours)		Listed Design No. or Description (SG-2)		3.2.2.20-83 & 3.2.1.4 9.10.8 9.10.9					
Floors 1-2 _____ Hours											
Roof .75 _____ Hours											
Mezzanine _____ Hours											
FRR of Supporting Members		Listed Design No. Or Description (SG-2)									
Walls 1-2 _____ Hours											
Roof _____ Hours											
Mezzanine _____ Hours											
20	Spatial Separation – Construction of Exterior Walls				3.2.3 9.10.14						
	Wall	Area of EBF (m <sup>2</sup> )	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (Hours)	Listed Design or Description	Comb. Const.	Comb. Const. Nonc. Cladding	Non-comb. Constr.
	North	141.02sqm	12m	13.4/10.5	100%	16.5%	1-2h				
	South	141.02sqm	16m	13.4/10.5	100%	16.5%	1-2h				
	East	204.43sqm	2m	16.5/10.5	2%	2%	1-2h				
	West	204.43sqm	12m	16.5/10.5	100%	37.6%	1h				
21	Other – Describe										

No.	Description	Date

**PRABH KEHAL**  
1837 20 AVE NW  
**NATIONAL BUILDING CODE REVIEW**

Project number 1  
Date \_\_\_\_\_ Issue Date \_\_\_\_\_  
Drawn by \_\_\_\_\_ Author \_\_\_\_\_  
Checked by \_\_\_\_\_ Checker \_\_\_\_\_

**A102**

Scale 1/16" = 1'-0"

















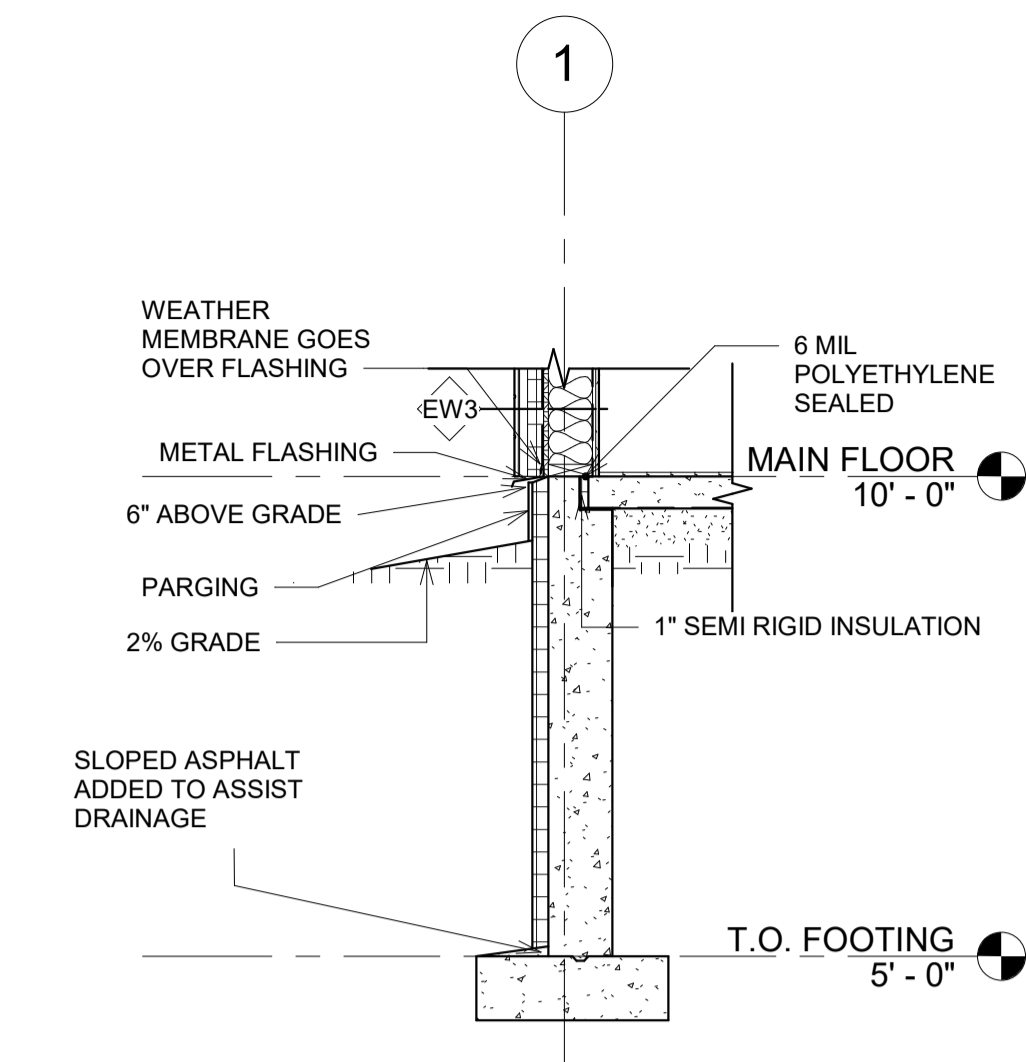




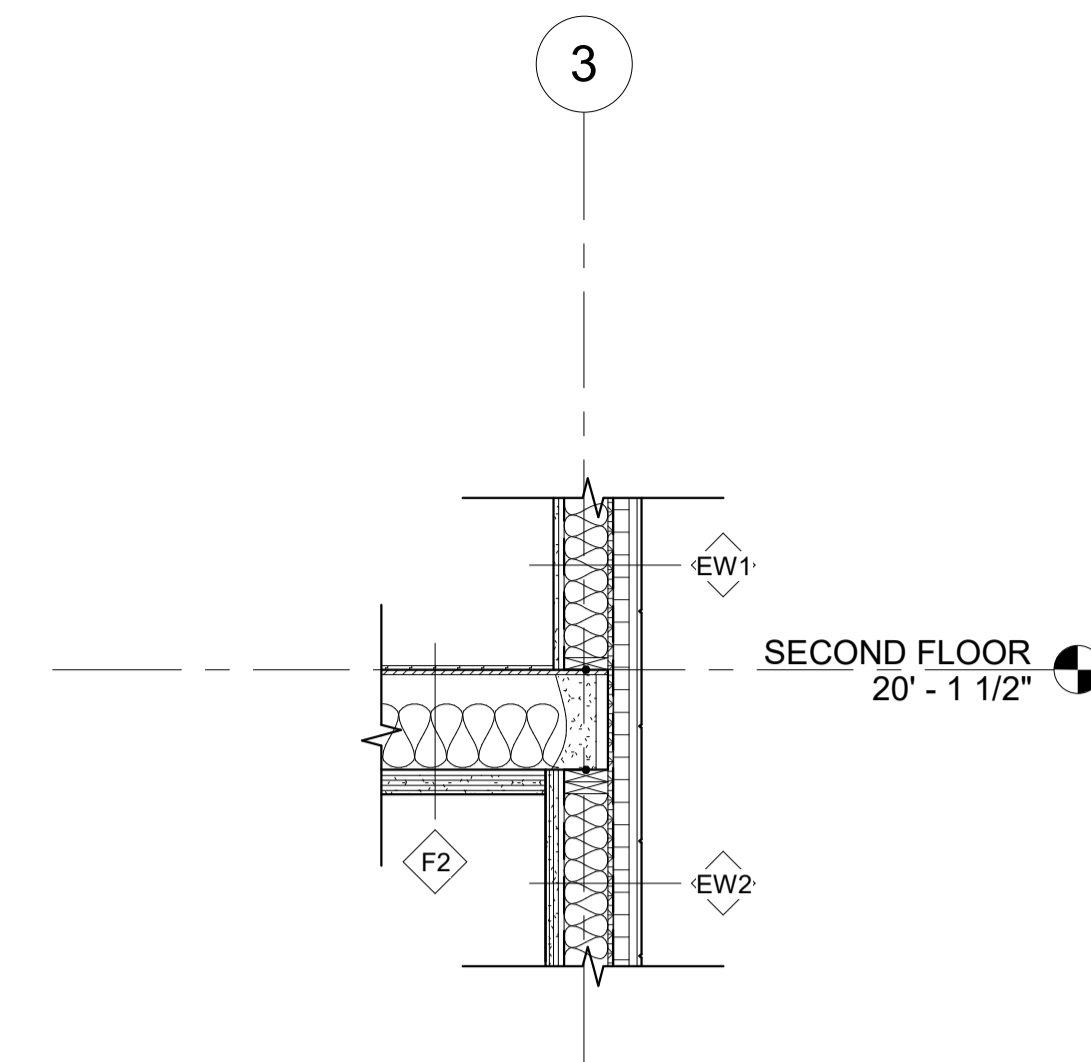




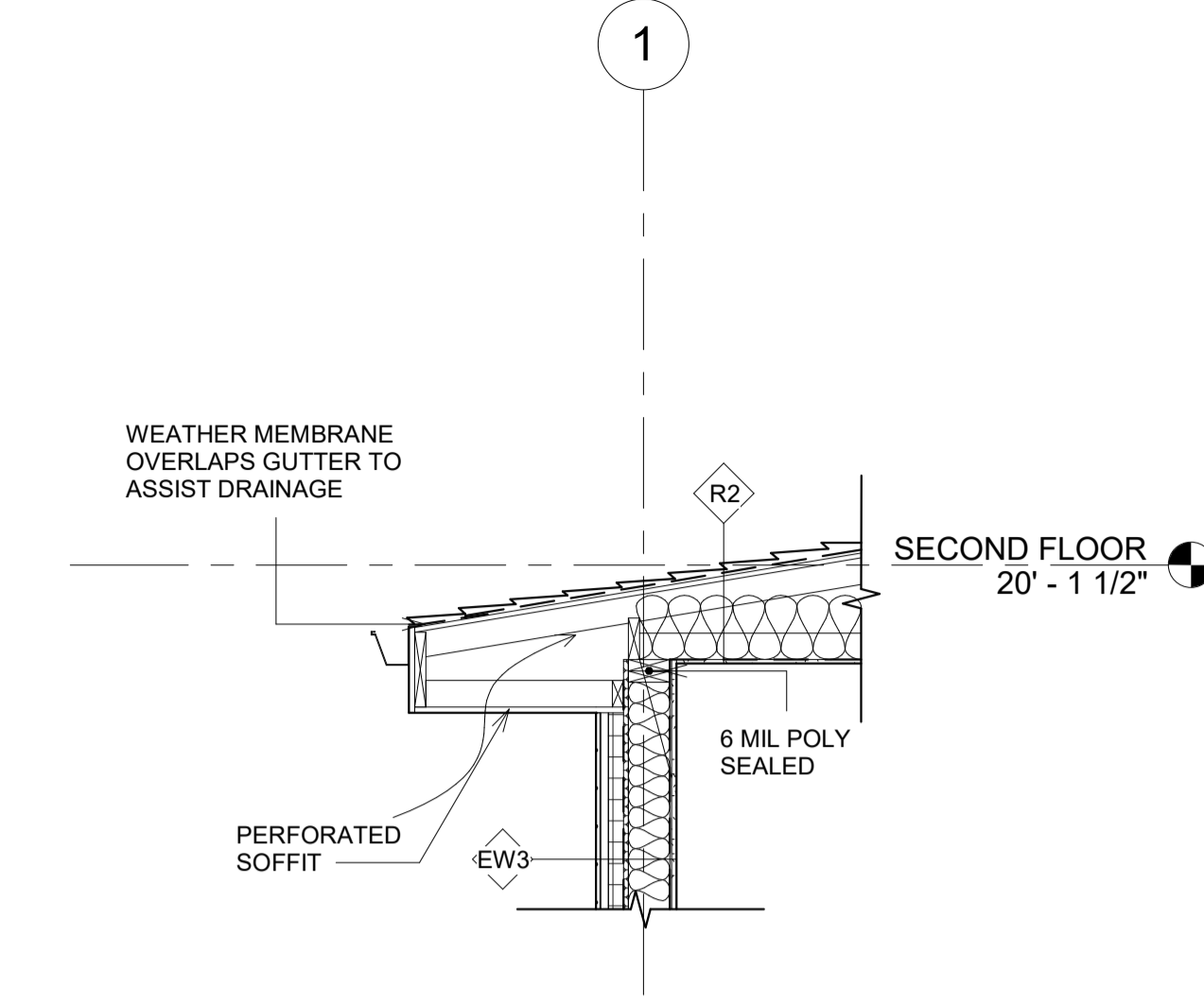




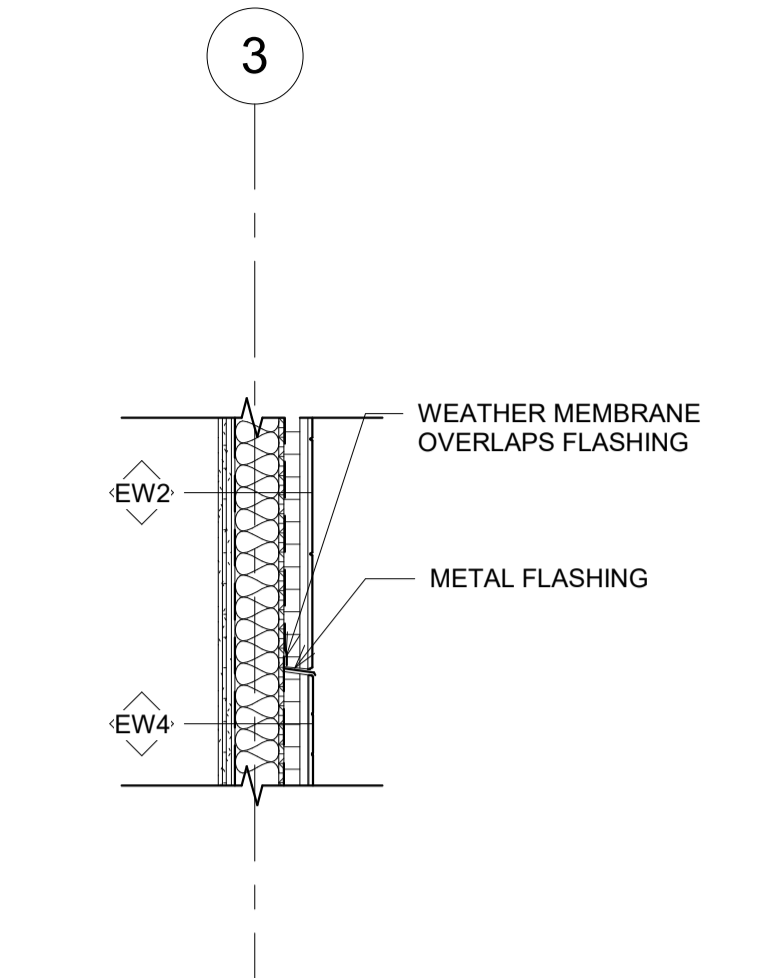
① FOOTING DETAIL  
1/2" = 1'-0"



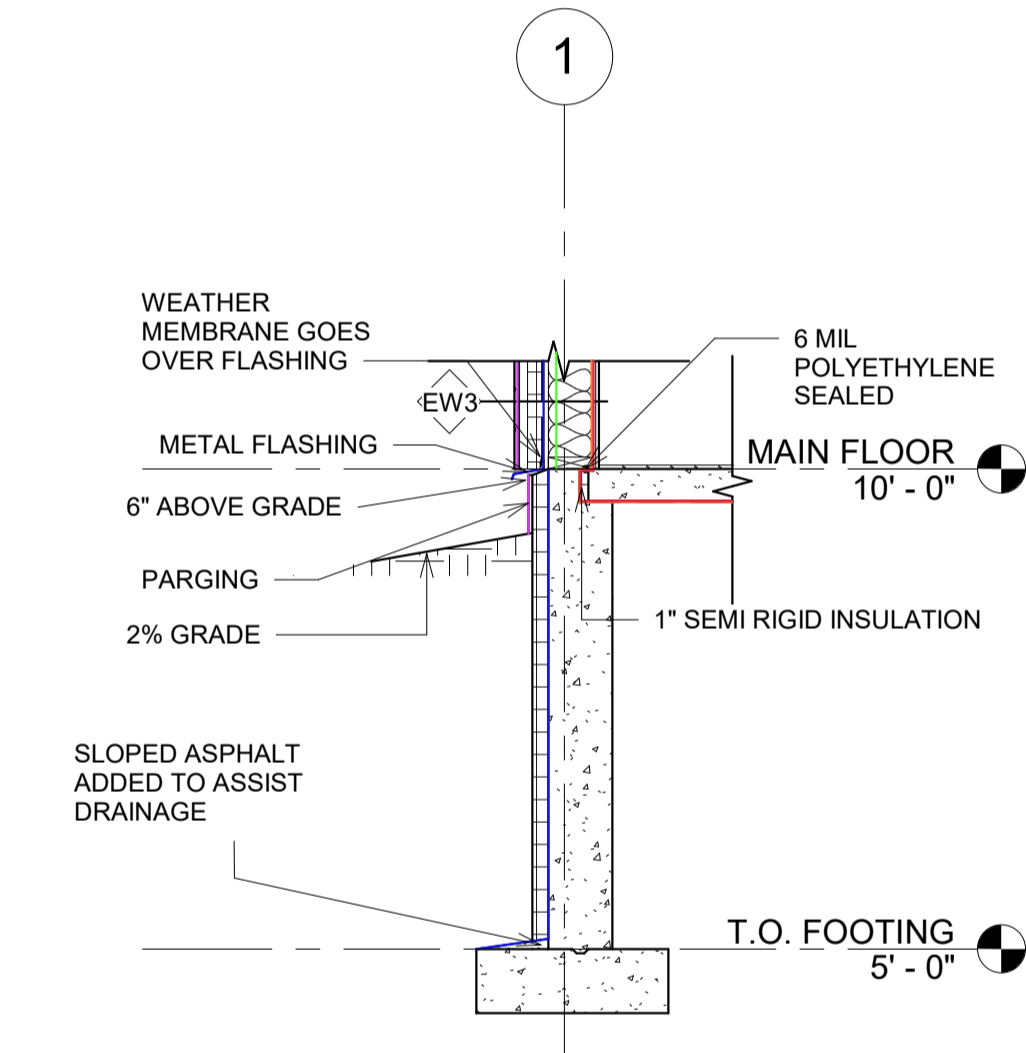
② MAIN & SECOND FLOOR INTERFACE  
DETAIL  
1/2" = 1'-0"



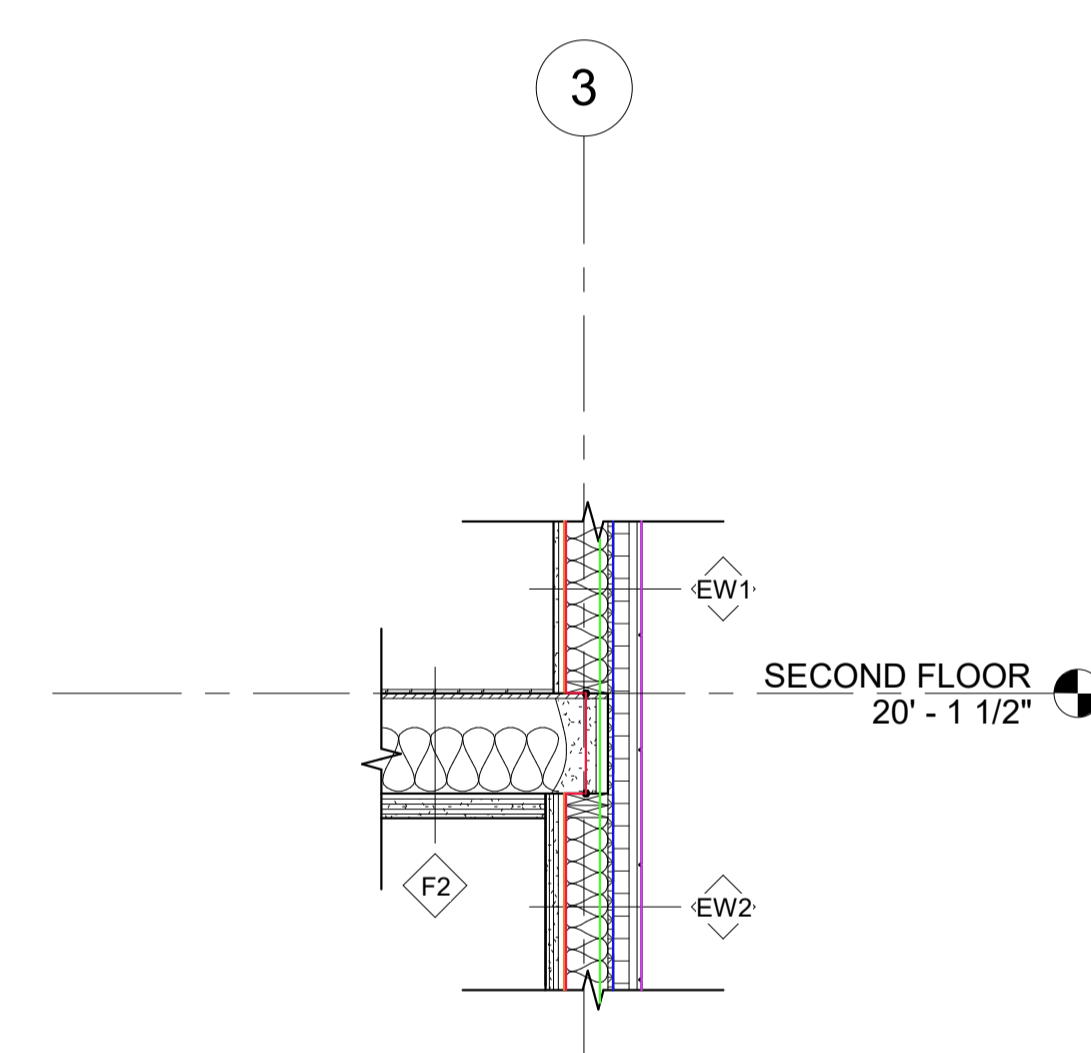
③ SOFFIT DETAIL  
1/2" = 1'-0"



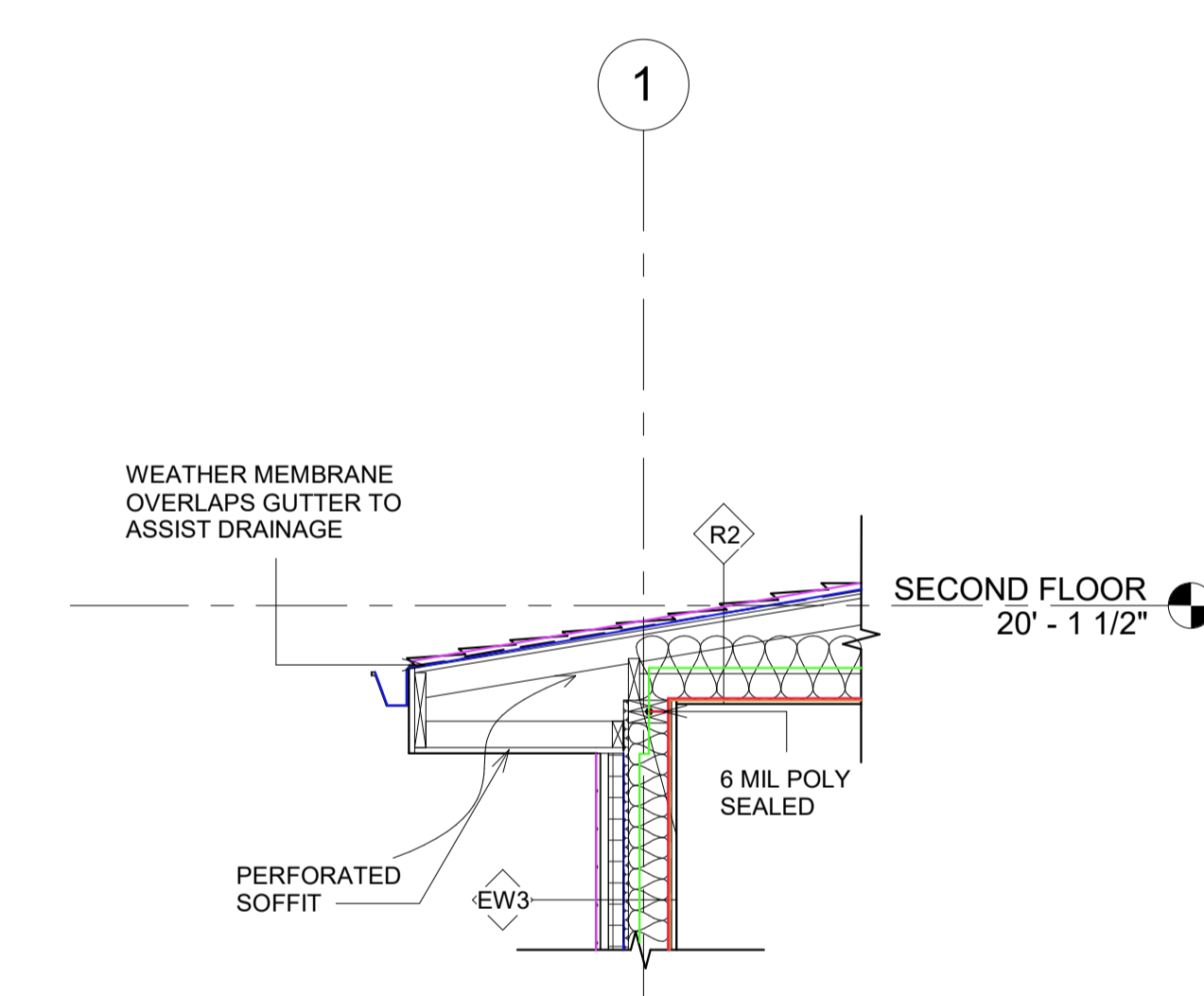
④ STONE CLADDING AND CEMENT BOARD  
PANEL INTERFACE  
1/2" = 1'-0"



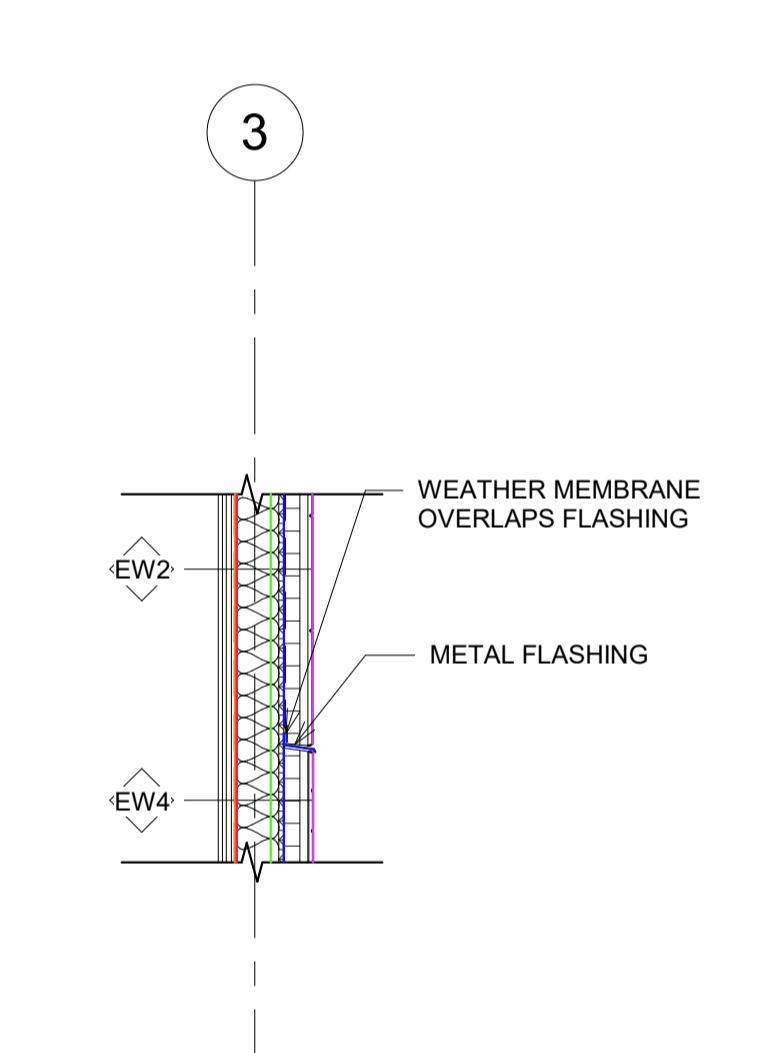
⑧ FOOTING DETAIL W/ CONTROL LAYER  
LINES  
1/2" = 1'-0"



⑦ MAIN & SECOND FLOOR INTERFACE  
DETAIL W/ CONTROL LAYER LINES  
1/2" = 1'-0"



⑤ SOFFIT DETAIL W/ CONTROL LAYER  
LINES  
1/2" = 1'-0"



⑥ STONE CLADDING AND CEMENT BOARD  
PANEL INTERFACE W/ CONTROL LAYER  
LINES  
1/2" = 1'-0"

Type of Control Layer	Line Types
Deflection Layer	—
Drainage Layer	—
Air Barrier Layer	—
Vapour Barrier Layer	—
Dew Point/ Mid Line	—

No.	Description	Date

**PRABH KEHAL**  
1837 20 AVE NW  
CONSTRUCTION  
DETAILS PT1

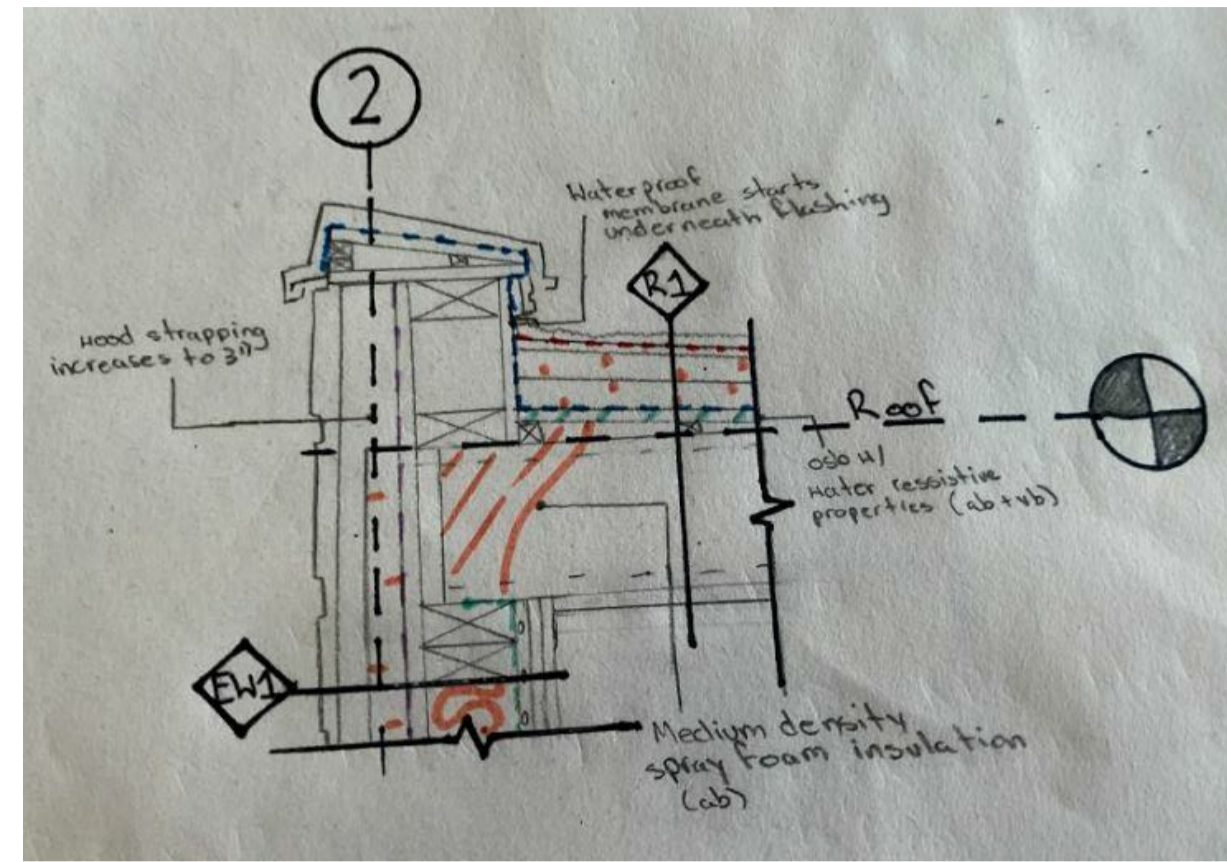
Project number	1
Date	Issue Date
Drawn by	PK
Checked by	Checker

**A601**

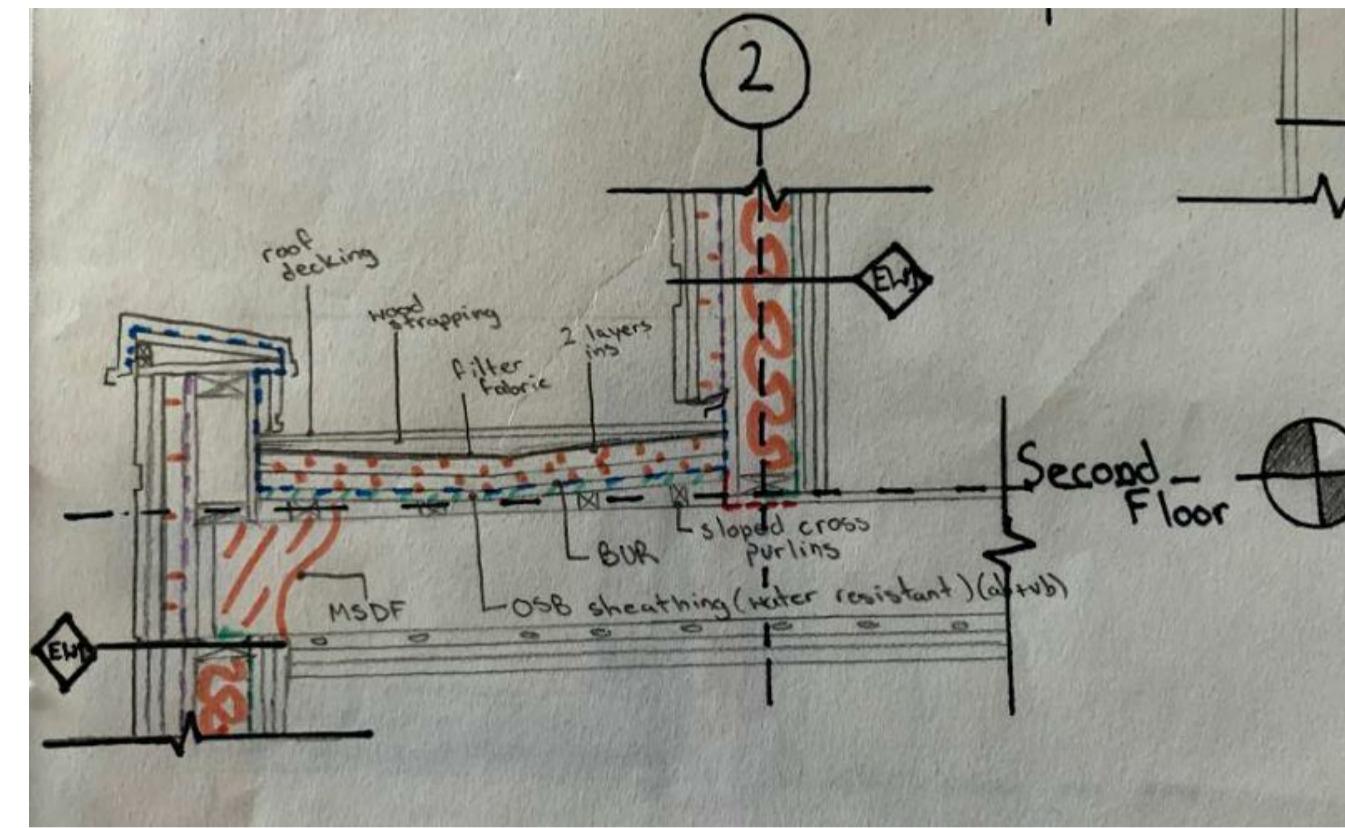
Scale 1/2" = 1'-0"



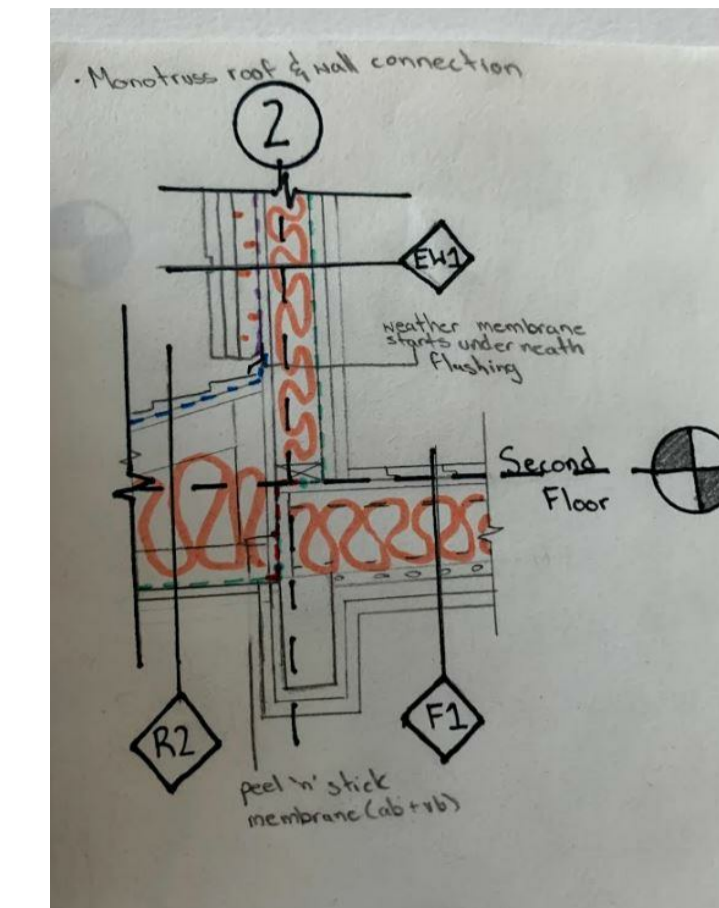
**PARAPET DETAIL**



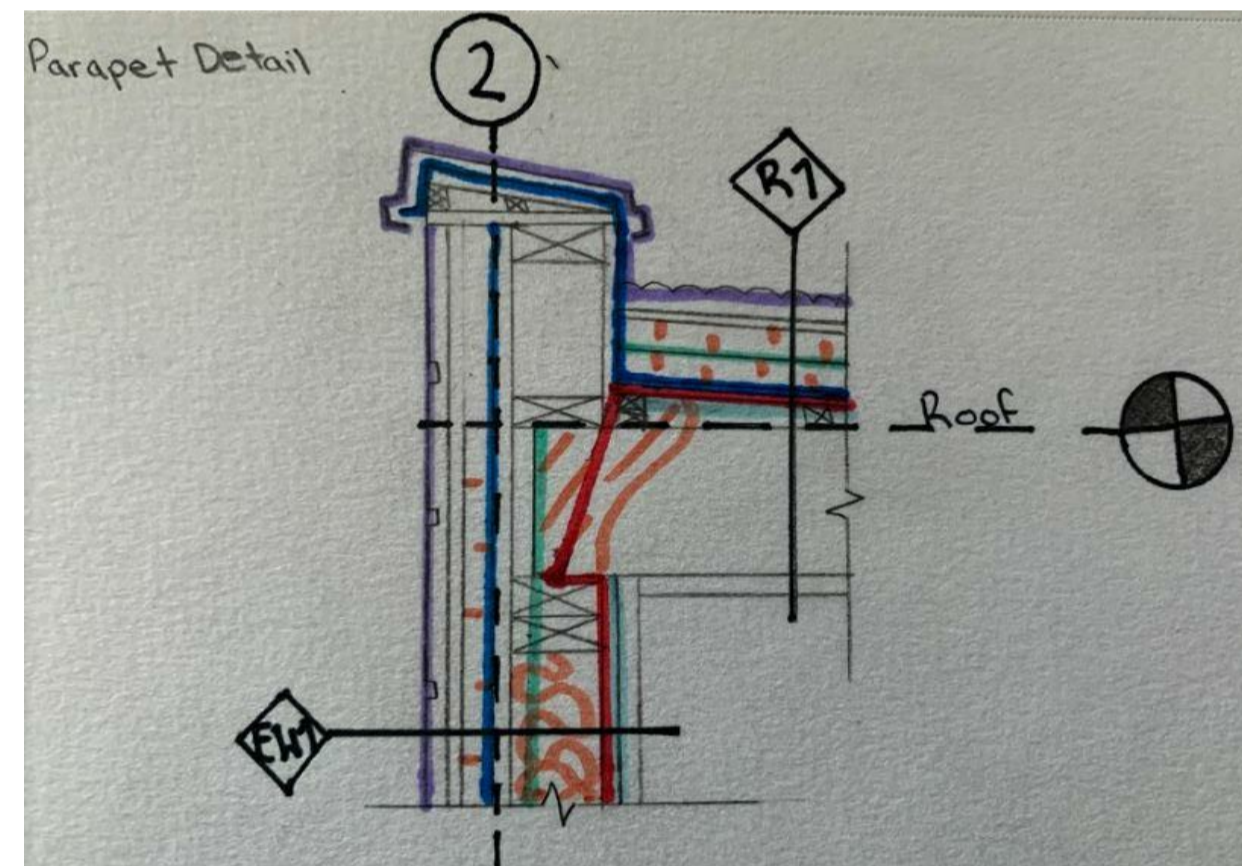
**BALCONY DETAIL**



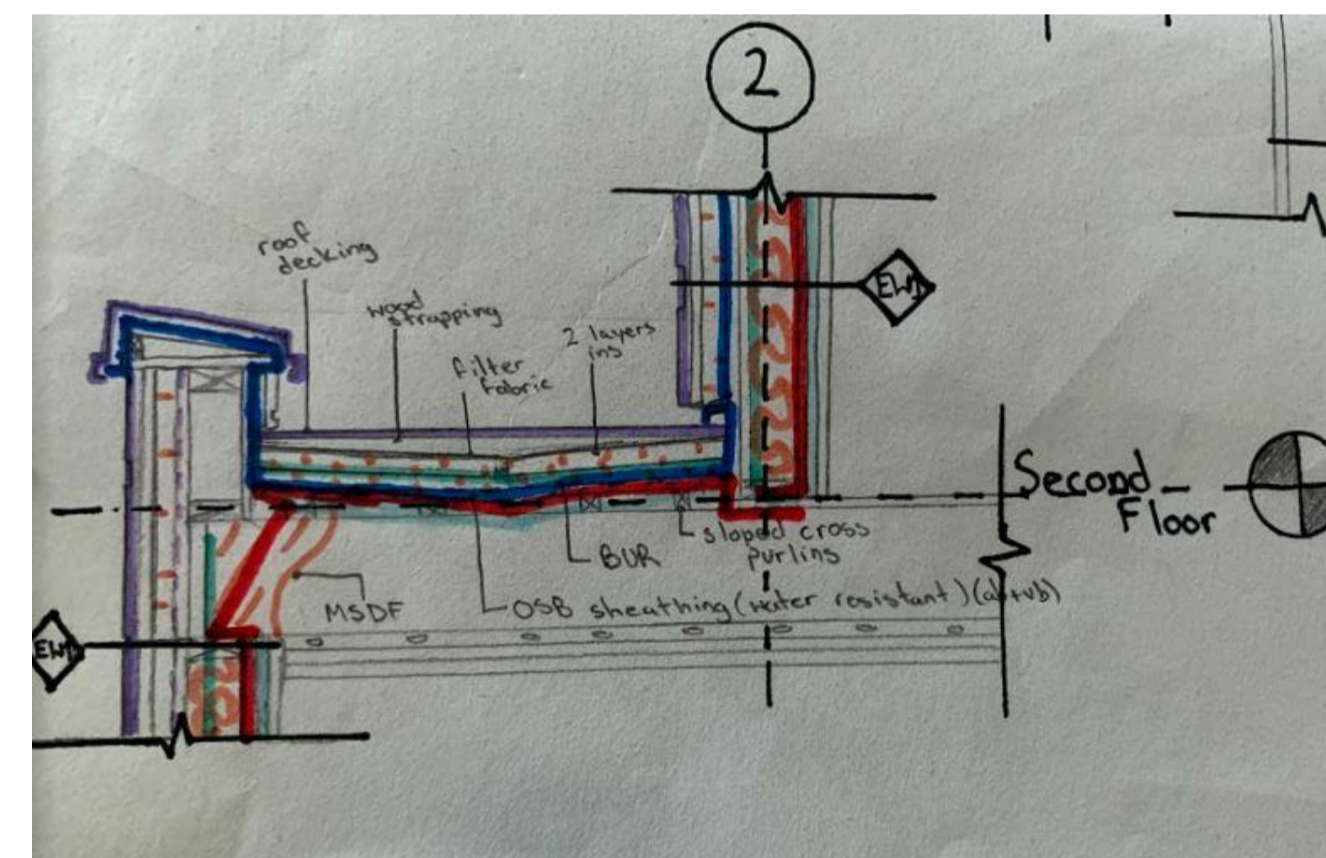
**MONOTRUSS & WALL INTERFACE**



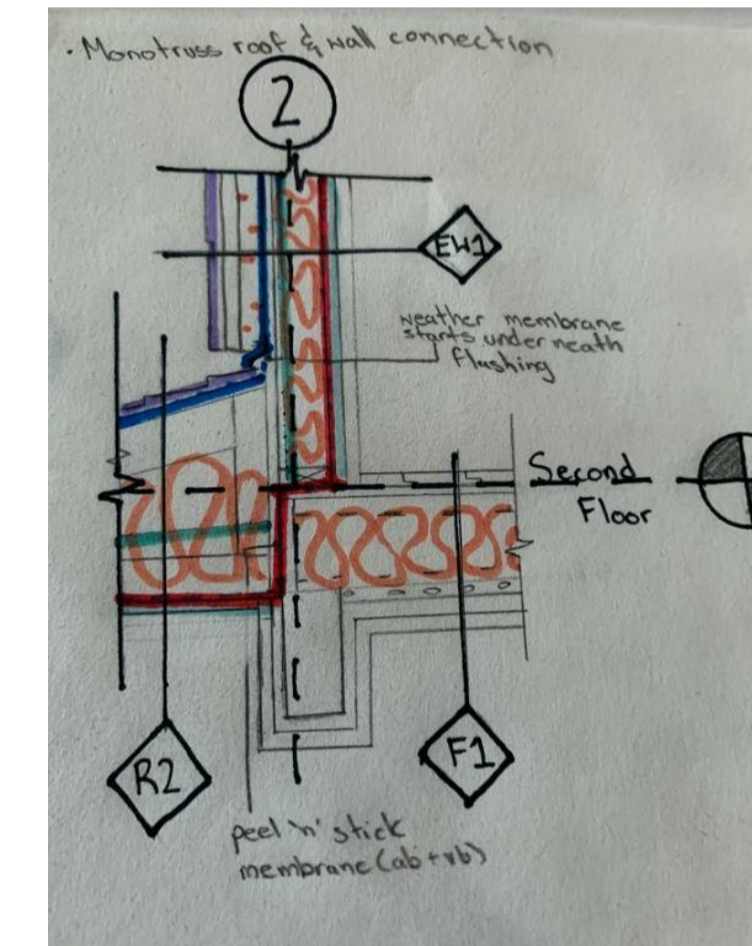
**PARAPET DETAIL W/ CONTROL LAYERS**



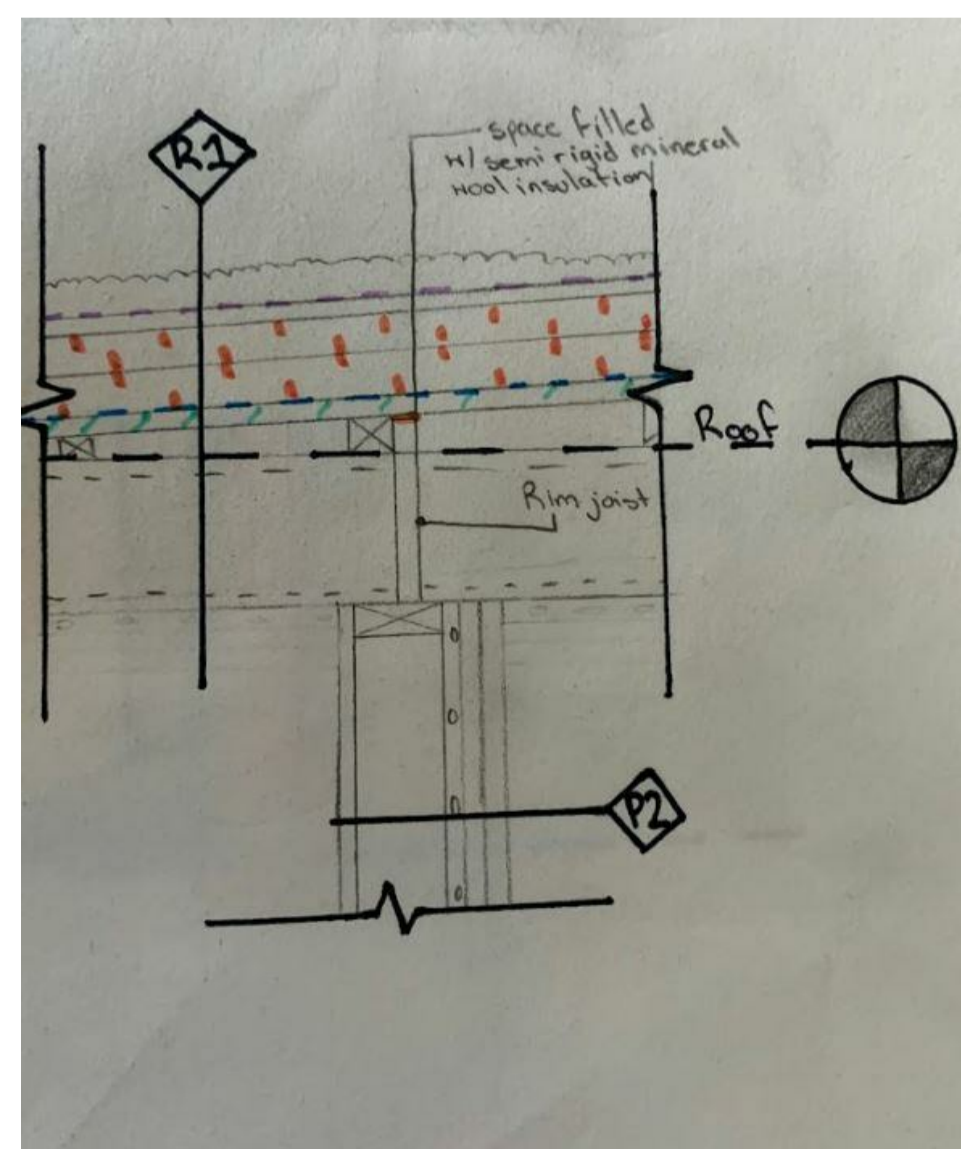
**BALCONY DETAIL W/ CONTROL LAYERS**



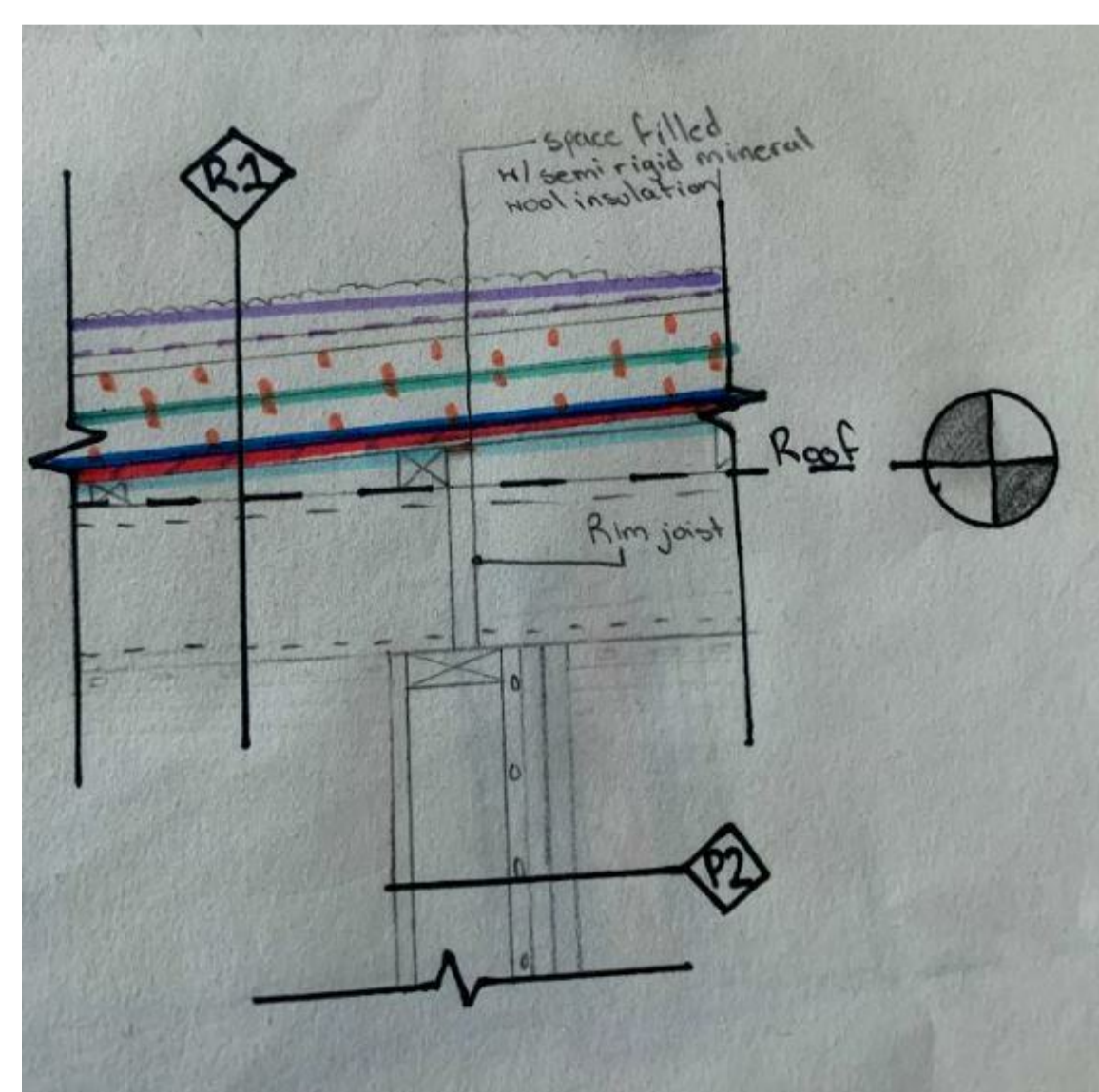
**MONOTRUSS ROOF & WALL INTERFACE W/ CONTROL LAYERS**



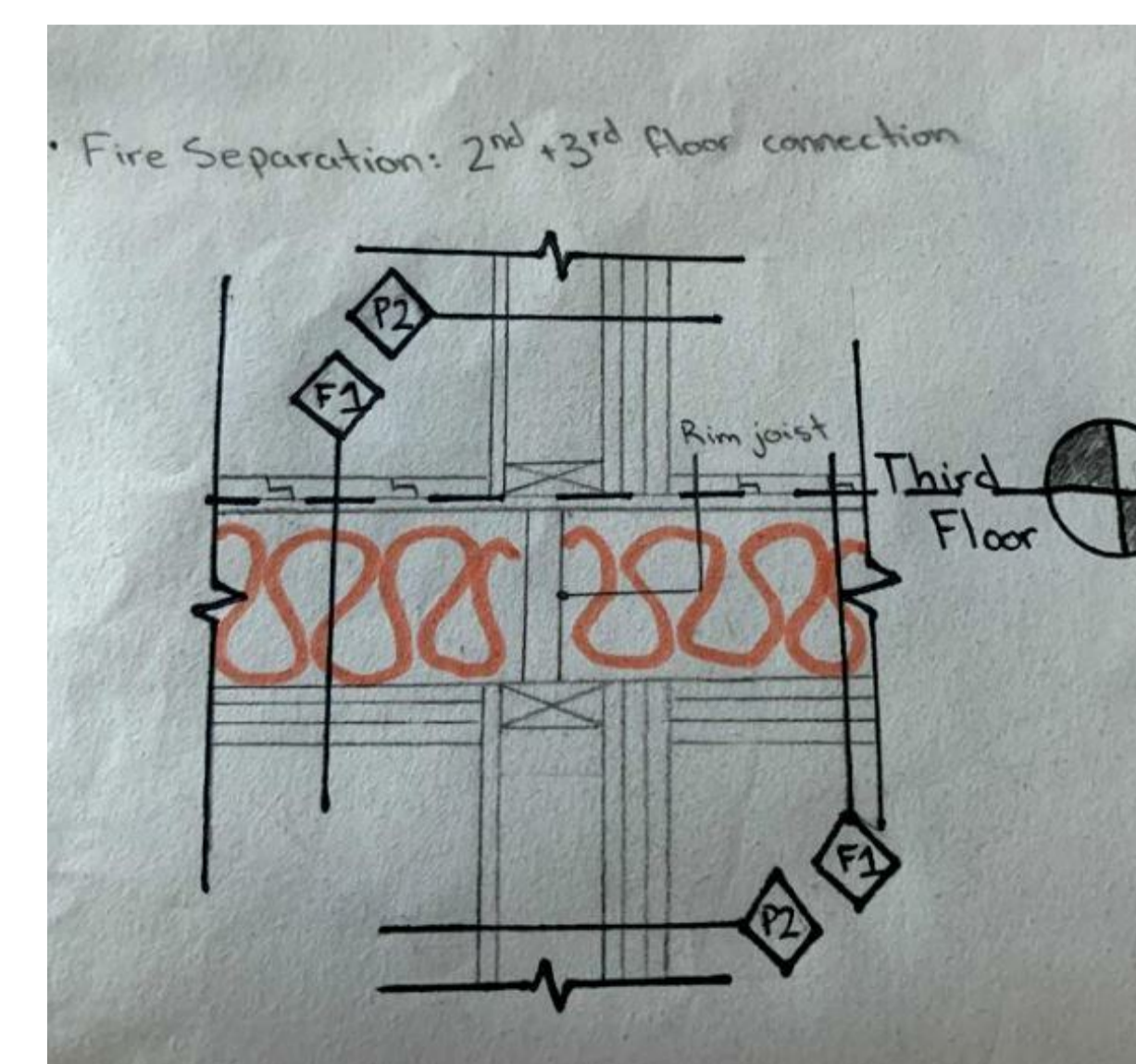
**FIRE SEPARATION: ROOF INTERFACE DETAIL**



**FIRE SEPARATION: ROOF INTERFACE DETAIL W/ CONTROL LAYERS**



**FIRE SEPARATION: SECOND AND THIRD FLOOR CONNECTION**



No.	Description	Date

PRABH KEHAL  
1837 20 AVE NW  
CONSTRUCTION  
DETAILS PT2

Project number	1
Date	Issue Date
Drawn by	Author
Checked by	Checker

A602

























