

CONSULTANTS:

CERTIFICATION:

I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Signature: *[Signature]*
Name: MICHAEL K. MCINTIRE
Date: 03/08/2021
Registration Number: 46625

Project Number: 20-7311-001

Date: 03/08/2021

Drawn: MDT

Checked: MKM

Scale: AS NOTED

REVISIONS:

1 STRUCTURAL ADDENDUM
05/12/2021

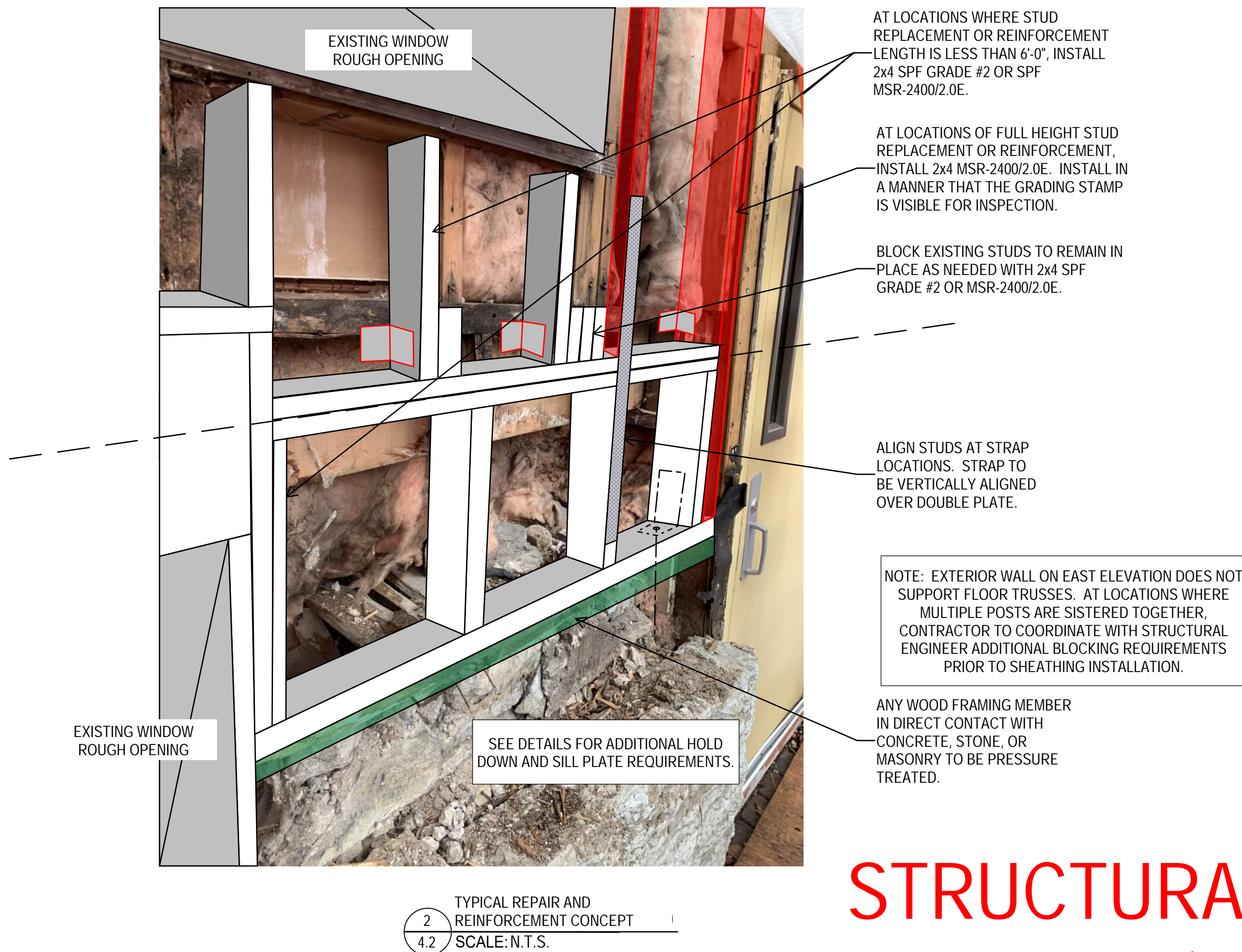
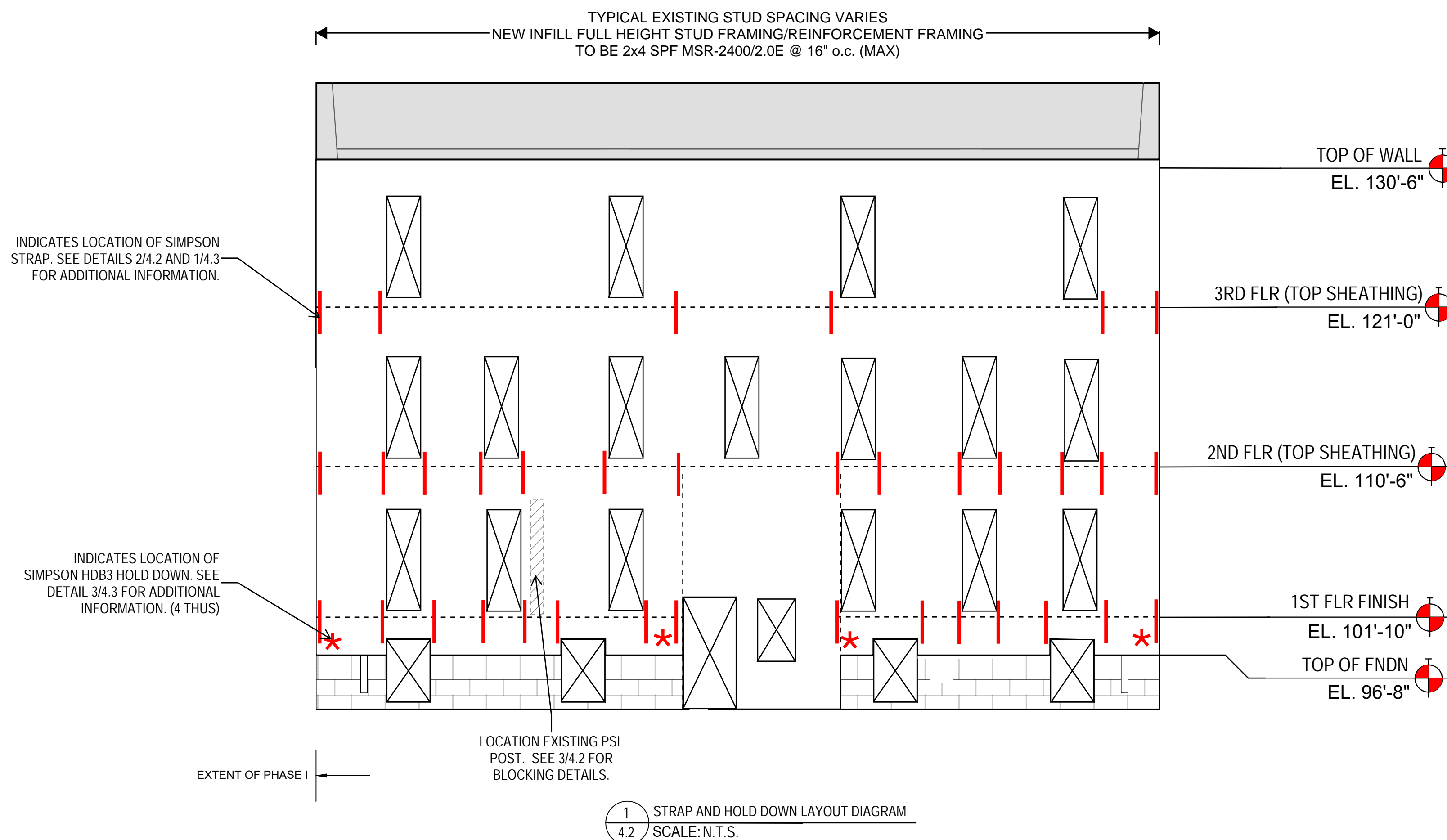
PROJECT:

2021 EXTERIOR FACADE
REPAIR PROJECT: PHASE I
CITYVIEW CO-OP
MINNEAPOLIS, MN

SHEET TITLE:
**STRUCTURAL
REPAIR
DETAILS**

SHEET NUMBER:

4.2



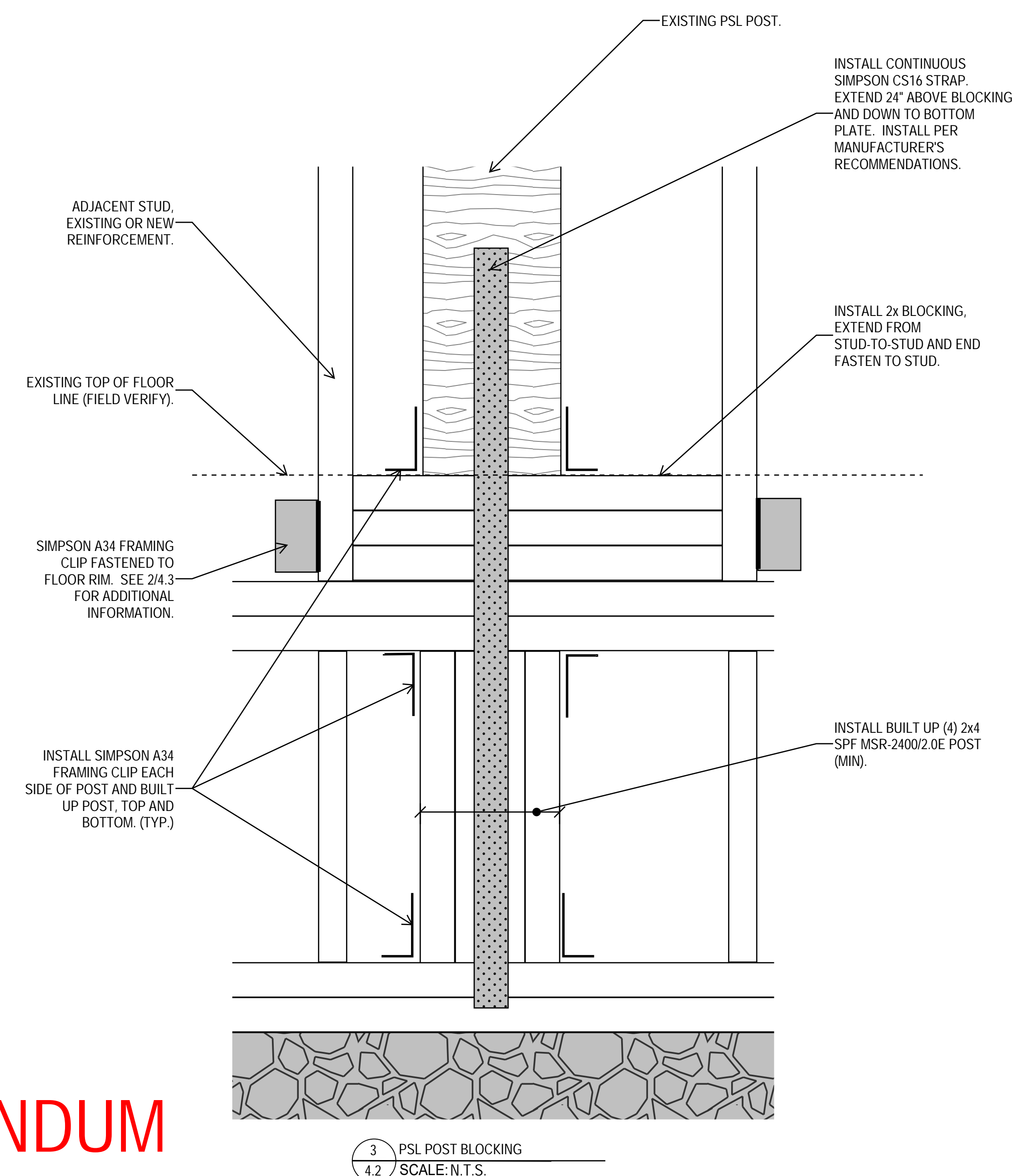
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SUBSTANTIAL REPAIR FRAMING NOTES:

1. ORIGINAL WALL CONSTRUCTION CONSISTS OF 2x4 ROUGH SAWN LUMBER WITH 5/8" INTERIOR DRYWALL AND 3/4" TONGUE AND GROOVE PLANKS.
2. EXISTING 3/4" TONGUE AND GROOVE PLANKS WERE REMOVED AND DISPOSED OF DUE TO EXTERIOR WATER INTRUSION DAMAGES.
3. REPAIR TO CONSIST OF CUTTING AND REMOVING PORTIONS OF WATER DAMAGED STUD FRAMING AND REINFORCING EXISTING STUDS WITH 2x4 SPF MSR-2400/2.0E FULL HEIGHT STUDS. AT LOCATIONS WHERE FRAMING IS LESS THAN 6'-0" IN LENGTH, CONTRACTOR MAY SUBSTITUTE REINFORCEMENT WITH FULL HEIGHT 2x4 SPF #2 OR BETTER. REINFORCEMENT TO BE SISTERED TO SIDE OF EXISTING STUDS PER NDS RECOMMENDATIONS.
4. CONTRACTOR TO CUT EXISTING BALLOON FRAMING STUDS AT FLOOR LINES AND INSTALL A CONTINUOUS DOUBLE PLATE ALONG EACH FLOOR LINE.
5. CONTRACTOR TO ATTACH WALL FRAMING TO FLOOR DIAPHRAGM AT OR BELOW EXISTING FLOOR LINE WITH FRAMING CLIPS.
6. CONTRACTOR TO INSTALL STRAP AND HOLD DOWNS FOR LATERAL WIND LOAD DISTRIBUTION PER 1/4.2. STRAP AND HOLD DOWN LOCATIONS TO BE ALIGNED. CONTRACTOR TO INSTALL ADDITIONAL REINFORCEMENT FRAMING AND BLOCKING AS REQUIRED TO ALIGN STRAPS AND HOLD DOWNS.
7. ALL EXTERIOR SHEATHING ON THE EAST ELEVATION TO BE REPLACED WITH 7/16" APA RATED EXTERIOR SHEATHING, ORIENTED VERTICALLY WITH HORIZONTAL JOINTS BLOCKED. PLYWOOD WALL PANELS SHALL BE ORIENTED WITH FACE GRAIN PARALLEL TO SUPPORT STUD.
8. REMOVE AND REPLACE DAMAGED BATT INSULATION WITH MINERAL WOOL. COMPRESSION FIT ALL INSULATION. CONTRACTOR MAY SUBSTITUTE BATT INSULATION FOR MINERAL WOOL IF ALL GAPS AND VOIDS ARE FILLED. LIKELY VOID LOCATIONS ARE AT REINFORCEMENT LOCATIONS BETWEEN INTERIOR SHEATHING AND REINFORCEMENT MEMBER. CONTRACTOR TO PROVIDE WRITTEN NOTIFICATION OF SUBSTITUTION TO OWNER AND SHALL BE RESPONSIBLE FOR THE INSPECTION OF ALL VOIDS PRIOR TO BATT INSULATION INSTALLATION.
9. PERFORM VAPOR BARRIER REPAIRS WHERE CUTS, TEARS, AND VOIDS ARE PRESENT. IT IS RECOMMENDED THAT THE CONTRACTOR INSPECT ALL VAPOR BARRIER APPLICATIONS PRIOR INSULATING WALL.
10. IF CONDITIONS ARE DISCOVERED THAT VARY FROM THOSE REPRESENTED HEREIN, CONTRACTOR TO NOTIFY ENGINEER PRIOR TO PROCEEDING.
11. SEE ELEVATION DRAWINGS, DETAILS, AND SUMMARY OF WORK FOR ADDITIONAL INFORMATION.

STRUCTURAL NOTES:

1. REPAIRS TO BE IN ACCORDANCE WITH THE 2020 MINNESOTA CONSERVATION CODE FOR EXISTING BUILDINGS AS REFERENCED WITHIN THE 2020 MINNESOTA STATE BUILDING CODE. FOR EAST WALL, MAIN WIND FORCE RESISTING SYSTEM AND COMPONENTS AND CLADDING LOADS BASED ON A ASCE 7-16 AS REFERENCED WITHIN THE 2020 MINNESOTA STATE BUILDING CODE.
2. THIS REPAIR IS SPECIFIC TO THE EAST ELEVATION OF EAST 1801 ELLIOT AVE, MINNEAPOLIS, MN.
3. ALL MACHINE STRESS RATED LUMBER TO BE SPF WITH Fb = 2400psi, Fc = 1975psi, AND E = 2,000,000 psi.
4. ALL WOOD IN DIRECT CONTACT WITH CONCRETE, STONE, OR MASONRY TO BE PRESSURE TREATED.
5. ALL WOOD FASTENING TO BE IN ACCORDANCE WITH NDS RECOMMENDATIONS.



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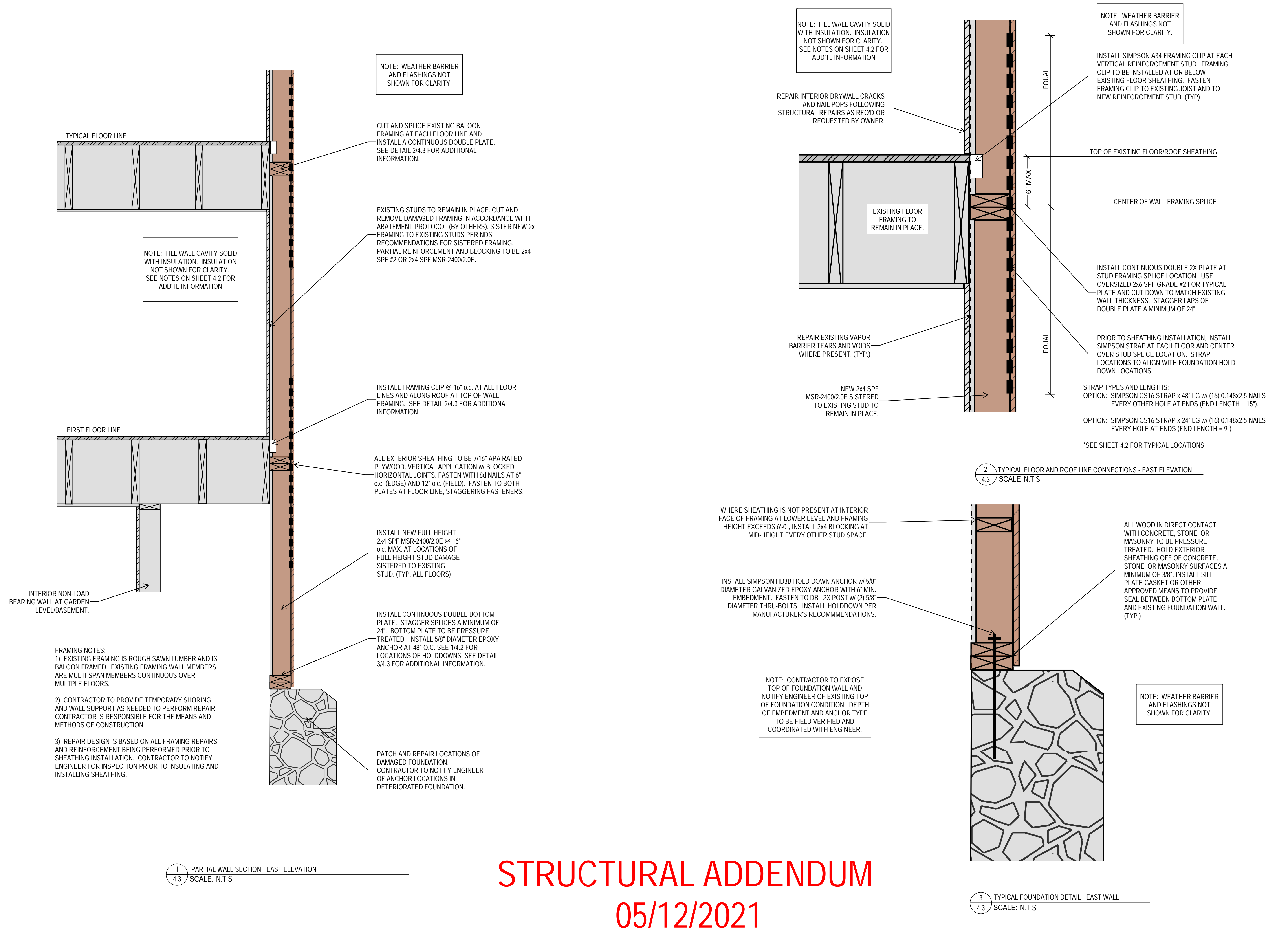
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