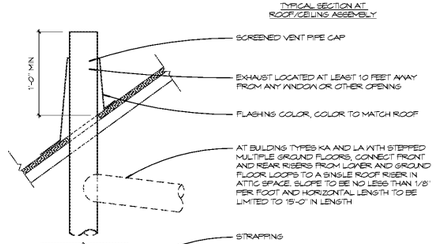
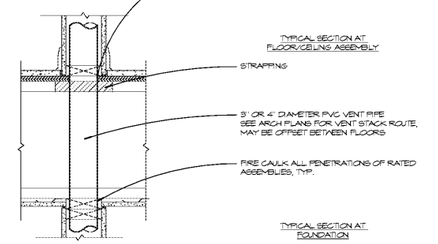
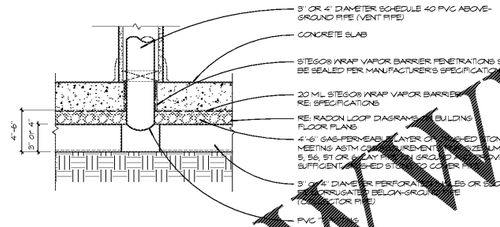
TYPICAL SECTION AT ROOF/CEILING ASSEMBLY



TYPICAL SECTION AT FLOOR/CEILING ASSEMBLY



TYPICAL SECTION AT FOUNDATION



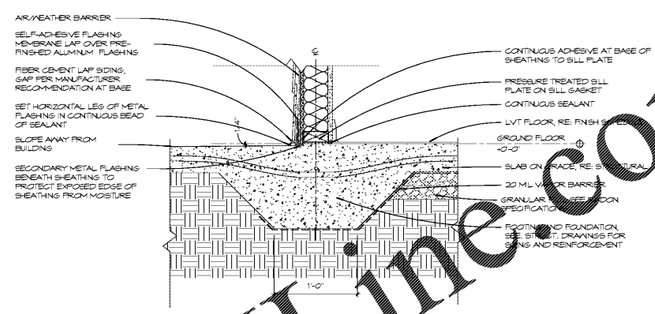
RADON CONTROL SYSTEM LAYOUT:

- THESE PLANS DEPICT THE DETAILS OF A PASSIVE VAPOR INTRUSION MITIGATION SYSTEM (VIMS) DESIGN. THE VIMS DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH ANSI/AARST MAMF-2000 2019 SOIL GAS CONTROL SYSTEMS IN NEW CONSTRUCTION BUILDINGS. A RADON MITIGATION PROFESSIONAL SHALL BE ENGAGED FOR THIS PROJECT.
- CONDUCT PRESSURE FIELD EXTENSION EVALUATION, PERFORMED BY A QUALIFIED MITIGATION PROFESSIONAL.
- PROVIDE A MINIMUM 20 GSM STEGO® WRAP VAPOR BARRIER ON TOP OF THE GAS PERMEABLE LAYER PRIOR TO POURING THE SLAB.
- LARGE OPENINGS THROUGH CONCRETE SLAB SHALL BE FILLED.
- ALL CONTROL JOINTS, ISOLATION JOINTS, CONSTRUCTION JOINTS, AND ANY OTHER JOINTS IN CONCRETE SLABS OR BETWEEN SLABS AND FOUNDATION A.S.S. SHALL BE SEALED.
- COLLECTOR PIPE TYPE SHALL BE PERFORATED CORRUGATED PIPE OR ACCEPTABLE ALTERNATIVE.
- PROVIDE 3" OR 4" DIAMETER PVC VENT PIPE EMBEDDED VERTICALLY INTO THE SUB-SLAB AGGREGATE. A "T" FITTING ON THE BOTTOM OF THE PIPE SHALL BE USED TO ENSURE THAT THE PIPE OPENING REMAINS WITHIN THE SUB-SLAB PERMEABLE MATERIAL.
- THE VENT PIPE SHALL BE EXTENDED VERTICALLY THROUGH THE BUILDING AND TERMINATE WITH A ROOF VENT AT LEAST 12" ABOVE THE SURFACE OF THE ROOF IN A LOCATION AT LEAST 10 FEET AWAY FROM ANY WINDOW OR OTHER OPENING.
- TO ENSURE PROPER INSTALLATION OF THE SUB-SLAB DEPRESSURIZATION SYSTEM, ELECTRICAL JUNCTION BOXES SHALL BE INSTALLED IN THE ATTIC - IN PROXIMITY OF EACH VENT PIPE.
- EXHAUST MUST BE ROUTED TO ROOF AT REAR FACADE TO MINIMIZE VISUAL IMPACT FROM STREET

14 RADON CONTROL SYSTEM DETAILS

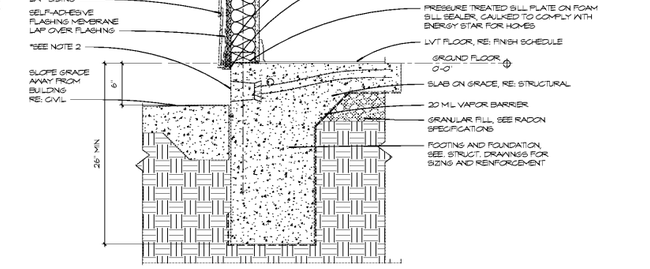
SCALE: 1 1/2" = 1'-0"

NOTE:
1. PROVIDE EPA APPROVED TERMICIDE SOLUTION TO SOIL UNDER ENTIRE SLAB AND PERIMETER.
2. 8" STEP OCCURS AT FRONT PORCH ENTRY TO TOWNHOUSES ONLY. FLUSH FOUNDATION DETAILS APPLY TO REAR TOWNHOUSE ENTRIES AND GARDEN APARTMENTS
3. FACE OF STUD TO ALIGN WITH SLAB EDGE AT ALL CONDITIONS
4. PROVIDE CONTINUOUS SEALANT AT BASE OF SHEATHING TO SILL PLATE AND FOUNDATION WALL



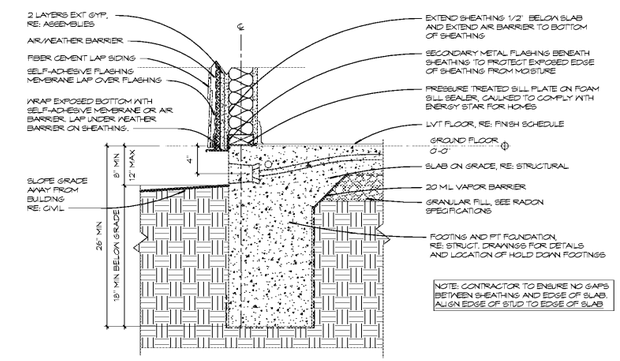
8 FOUNDATION AT FIBER CEMENT ON GRADE

SCALE: 1 1/2" = 1'-0"



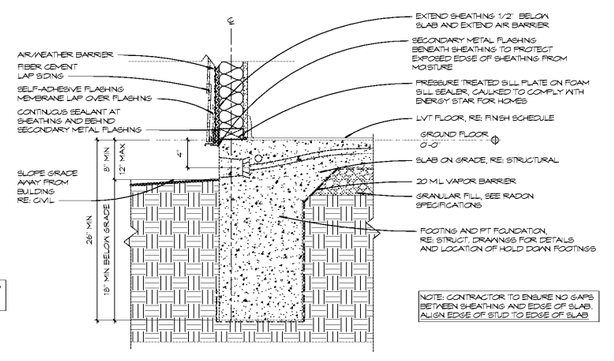
20 FOUNDATION AT FIBER CEMENT STEP/PATIO

SCALE: 1 1/2" = 1'-0"



24 FOUNDATION AT 2HR DEMISING WALL

SCALE: 1 1/2" = 1'-0"



26 TYP FOUNDATION AT LAP SIDING

SCALE: 1 1/2" = 1'-0"

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Issues and Revisions

Date	Issued / Revised
3/16/2020	50% CONSTRUCTION DOCS
5/18/2020	80% CONSTRUCTION DOCS
7/13/2020	PERMIT SUBMISSION

BUILDING ADDRESSES

TYPE G-B
442, 444, 446, 448 RATLIFF LANE
324, 236, 238, 350 ISHMAEL PLACE

TYPE H-A
373, 443 VANCE AVE
316, 364 FOOTE LANE
388 B DANNY THOMAS BLVD

TYPE I-C
368, 431 VANCE AVE
318 ISHMAEL PLACE

TYPE L-A
321 ISHMAEL PLACE
420, 350 FOOTE LANE
348 B DANNY THOMAS BLVD

TYPE M-A
402, 406 FOOTE LANE

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Seal

LRK Project Number: 01.15100.43

Project Name:

South City CNI Phase 4

Memphis TN

Drawing Name:

FOUNDATION DETAILS

Drawn By: ADB

Checked By: HU

A502