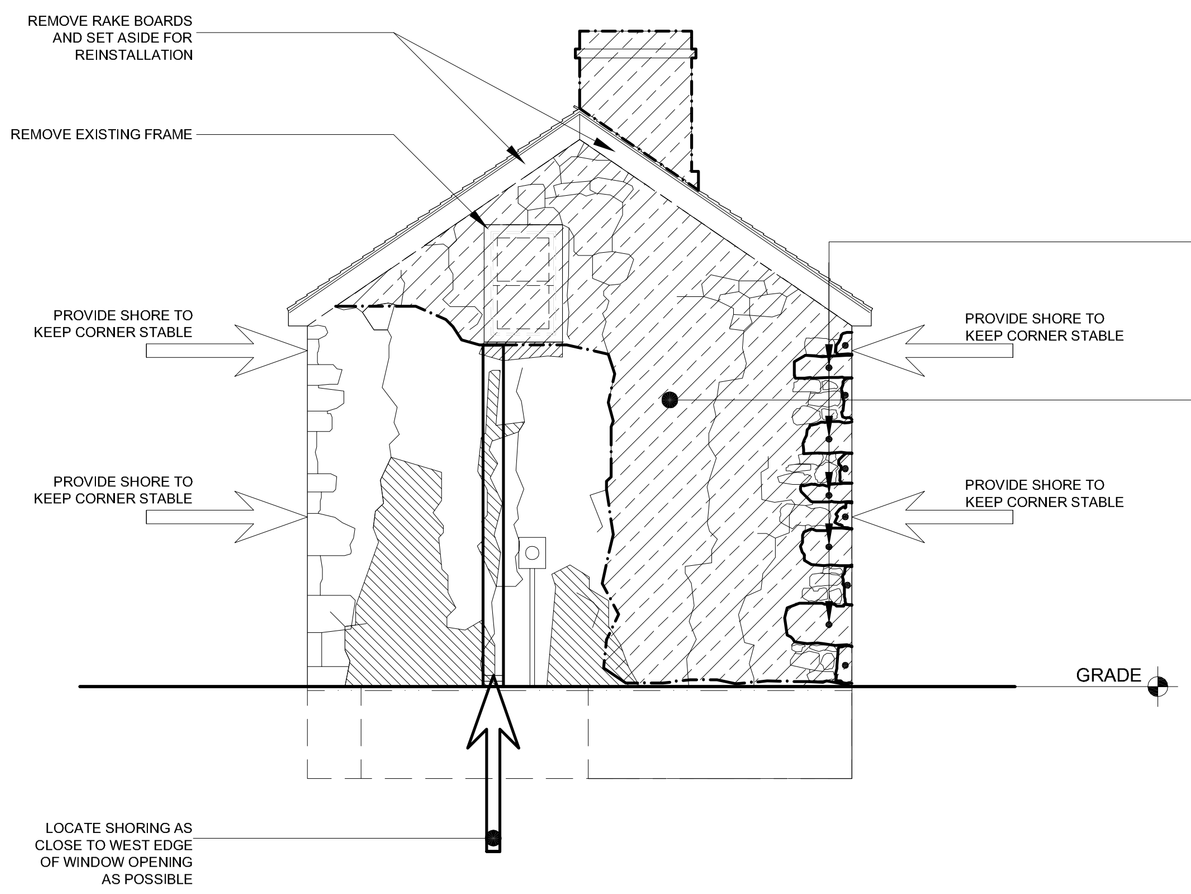


4 SD1 SOUTH ELEVATION

SCALE - 1/4" = 1'-0"

PHOTOGRAPHICALLY DOCUMENT AND LABEL QUOINS AND OTHER DISTINCTIVE UNITS TO BE SET ASIDE AND RE-USED IN ORIGINAL LOCATION AND ORIENTATION.

PHASE III

NOTE: AREA SHOWN TO BE DISMANTLED IS ESTIMATED MAXIMUM EXTENT. IT IS THE INTENT TO DO THE MINIMUM DISMANTLING NECESSARY TO RETURN THE WALL AND CHIMNEY TO STABLE CONDITION

SUGGESTED SEQUENCE OF WORK

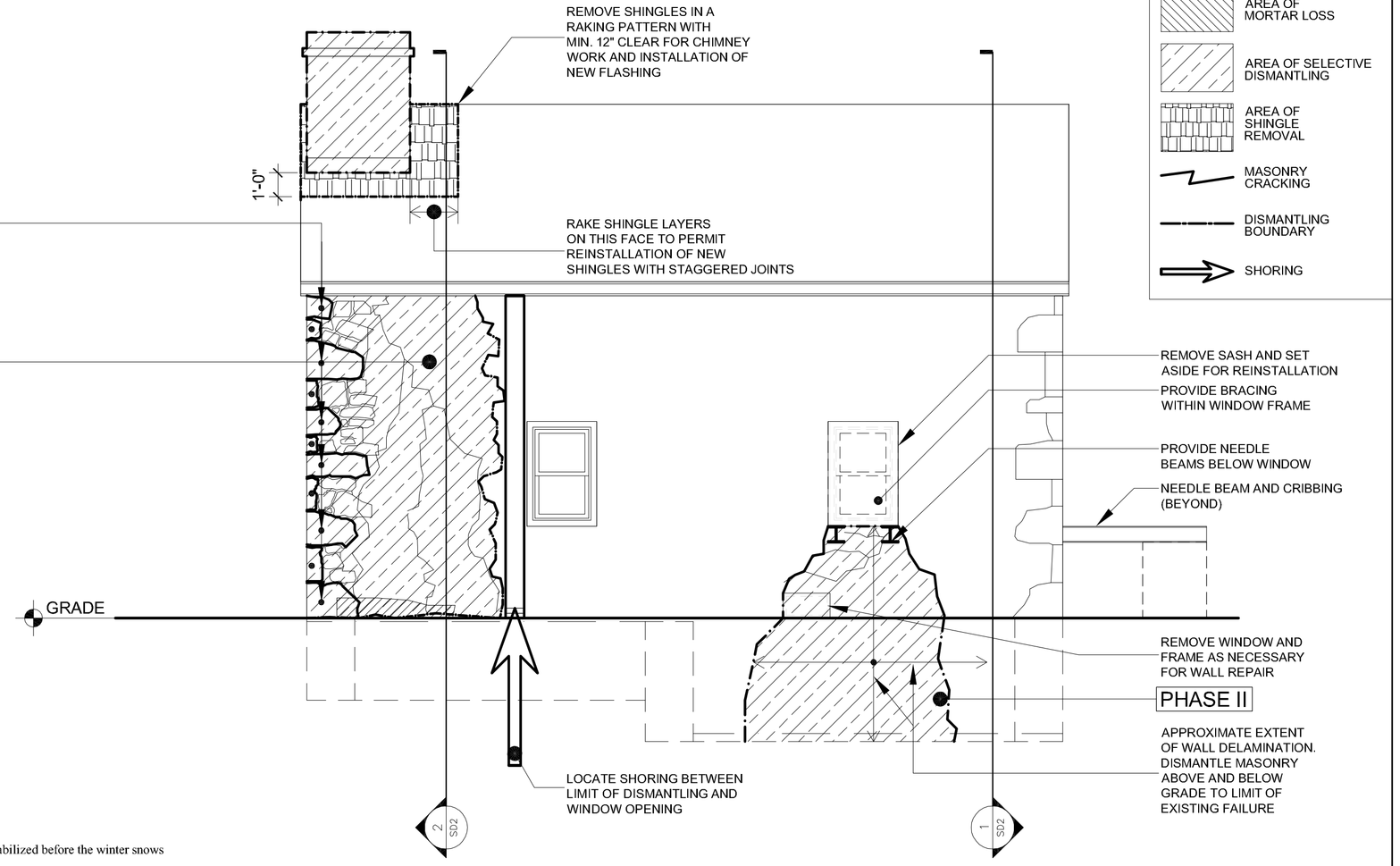
1. Phases 1 and 2 - the repair of the foundations - shall be completed first with the intention that the foundations are stabilized before the winter snows and spring thaw increase hydrostatic pressure on them.
2. Phase 3 - the disassembly and reconstruction of the chimney mass and gable, weather permitting, shall proceed after phases 1 and 2 are completed.

Phases 1 and 2

1. Remove window sash as indicated and reinforce existing window openings.
2. Install needle beams and cribbing to support masonry above areas of repair. Leave existing emergency shoring in place.
3. Once existing walls and floors are securely shored, excavate soil on exterior face of walls to expose areas to be repaired.
4. Remove damaged, loose, or unsound, masonry to the limits of sound masonry.
5. Trim and clean remaining openings and edges to receive new masonry toothed into, or otherwise mechanically bonded to, the existing sound masonry.
6. Clear bearing stratum of loose material, trim, and level soil to receive rebuilt masonry. If soft areas are encountered, do not over excavate; notify Architect/Engineer and Soils Engineer who will direct placement of corrective gravel base for wall bottom support.
7. Rebuild walls using existing stone units and approved mortar. Bond new work into extant walls.
8. Once repaired areas have achieved adequate strength, but no sooner than seven (7) days after completion of the rebuilding, remove needle beams, temporary shoring, and emergency shoring.
9. Parge and install drainage board on below-grade, exterior, faces of exposed masonry walls.
10. Backfill excavated areas with clean, free-draining soil and topsoil.
11. Repair needle beam holes.
12. Reinstall window sash.

Phase 3

1. Install shoring at limits of proposed work to stabilize the free edges of the masonry to remain, support the floor framing, and support the roof framing, including wall plate.
2. Label and document all "character-defining" stones and features of the masonry to be disassembled.
3. Disassemble the chimney mass and gable wall, starting at the top of the chimney, to sound masonry - approximately the limits shown on the drawings. Do not needlessly remove otherwise sound or well-bonded masonry. Segregate, document, and protectively store the "character-defining" stones as well as the pot crane, pivot block for the crane, pintle for the crane, iron struts within flue, and any other features encountered during disassembly.
4. Remove gable window and frame for restoration/repair/replication.
5. Trim and clean remaining openings and edges to receive new masonry toothed into, or otherwise mechanically bonded to, the existing sound masonry.
6. Rebuild walls as shown on drawings using existing stone units and approved mortar. Bond new work into extant walls.
7. Once repaired areas have achieved adequate strength, but no sooner than seven (7) days after completion of the rebuilding, remove needle beams, temporary shoring, and emergency shoring.

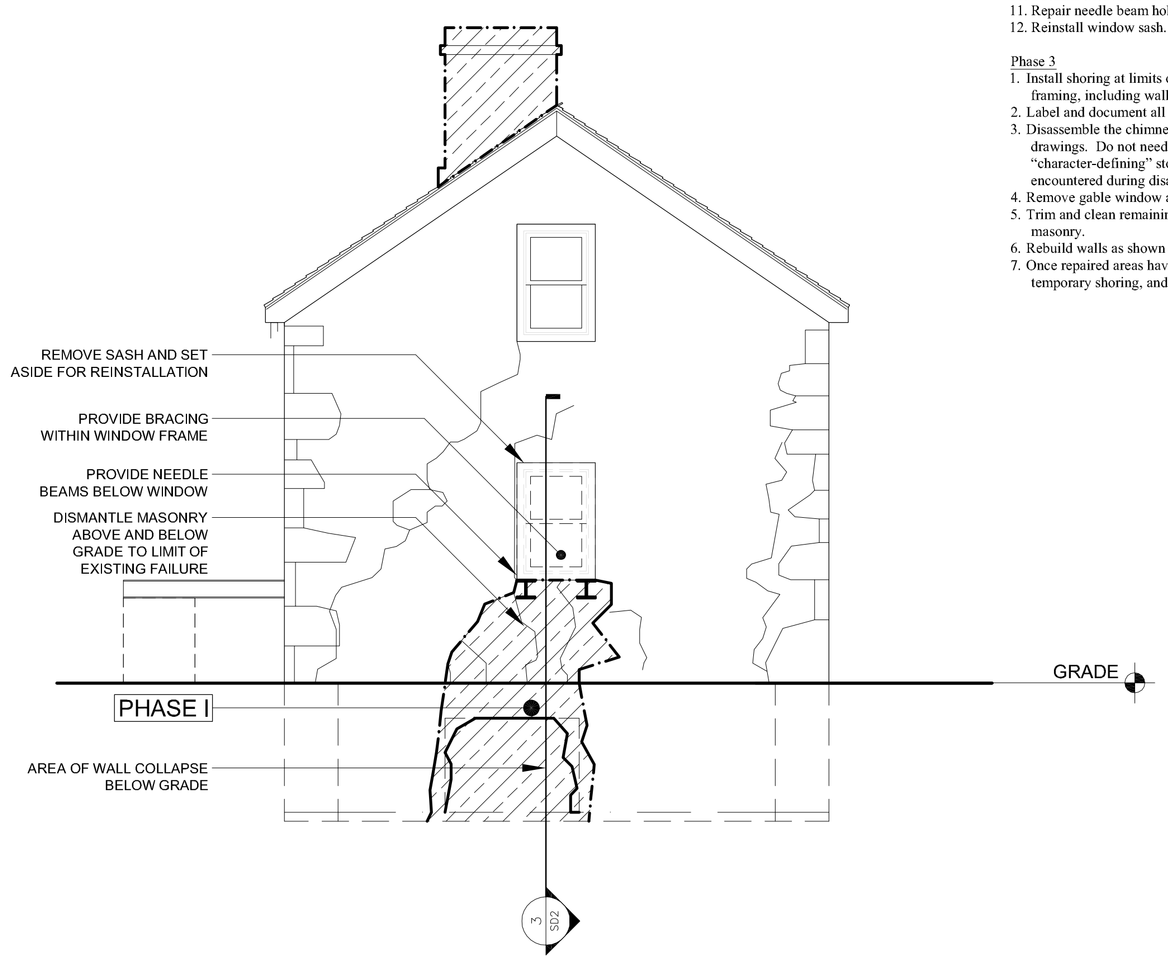


2 SD1 EAST ELEVATION

SCALE - 1/4" = 1'-0"

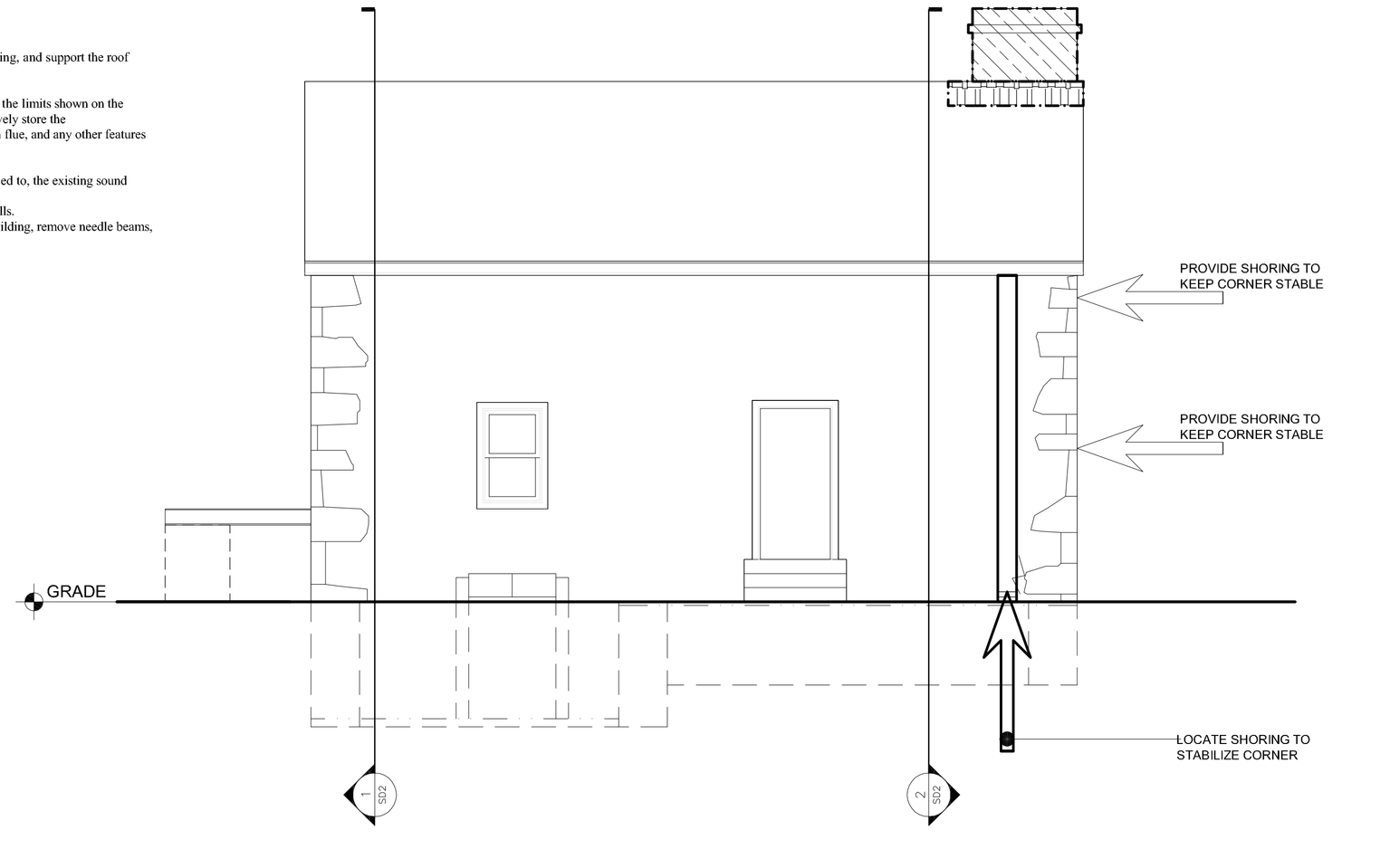
LEGEND

- AREA OF MORTAR LOSS
- AREA OF SELECTIVE DISMANTLING
- AREA OF SHINGLE REMOVAL
- MASONRY CRACKING
- DISMANTLING BOUNDARY
- SHORING



3 SD1 NORTH ELEVATION

SCALE - 1/4" = 1'-0"



1 SD1 WEST ELEVATION

SCALE - 1/4" = 1'-0"

DOCUMENT HISTORY

REV. #	DATE	REVISION
NO.	DATE	REVISION

ORTEGA CONSULTING
STRUCTURAL ENGINEERS
101 E. Possum Hollow Road
Wallingford, PA 19086

CONSULTANTS

SIGNATURE AND SEAL

PROFESSIONAL LICENSE NUMBER

PE 031161E

PROJECT NAME

COVERED-BRIDGE KEEPER'S HOUSE

PROJECT LOCATION

STREET ADDRESS
CITY, STATE

PROJECT NUMBER

09-04

DRAWING TITLE

SELECTIVE DEMOLITION ELEVATIONS

SCALE	DATE
1/4"=1'-0"	9.17.2010
DRAWN BY	REVIEWED BY
CLL	RIO

DRAWING NUMBER

SD1

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