

A. PURPOSE

The intent of this standard plan is to provide public safety and reduce the risk of injury to occupants of residential buildings. The minimum prescriptive standards contained herein are not intended to be a minimum prescriptive standard which does not include the minimum prescriptive standard. Concrete construction shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard.

B. SCOPE

This building will fall under the provisions of Chapter 22 of the California Building Code (CBC). The building shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard.

C. GENERAL REQUIREMENTS

All work shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard.

D. DEFINITIONS

As used herein, the following definitions shall apply: **ANCHOR BOLT** - A metal rod or pipe used to connect a structural member to a concrete foundation. **ANCHOR BOLT INSTALLATION** - The process of installing an anchor bolt into a concrete foundation. **ANCHOR BOLT INSTALLATION** - The process of installing an anchor bolt into a concrete foundation.

E. MATERIALS

All materials shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard. The minimum prescriptive standard shall be in accordance with the minimum prescriptive standard.

F. ANCHOR BOLT INSTALLATION

1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.

G. ANCHOR BOLT INSTALLATION

1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.

H. ANCHOR BOLT INSTALLATION

1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.

I. ANCHOR BOLT INSTALLATION

1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.

J. ANCHOR BOLT INSTALLATION

1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.

K. ANCHOR BOLT INSTALLATION

1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.

L. ANCHOR BOLT INSTALLATION

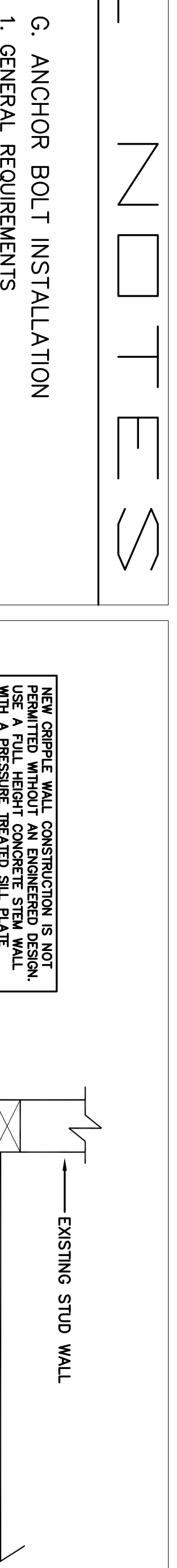
1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.

M. ANCHOR BOLT INSTALLATION

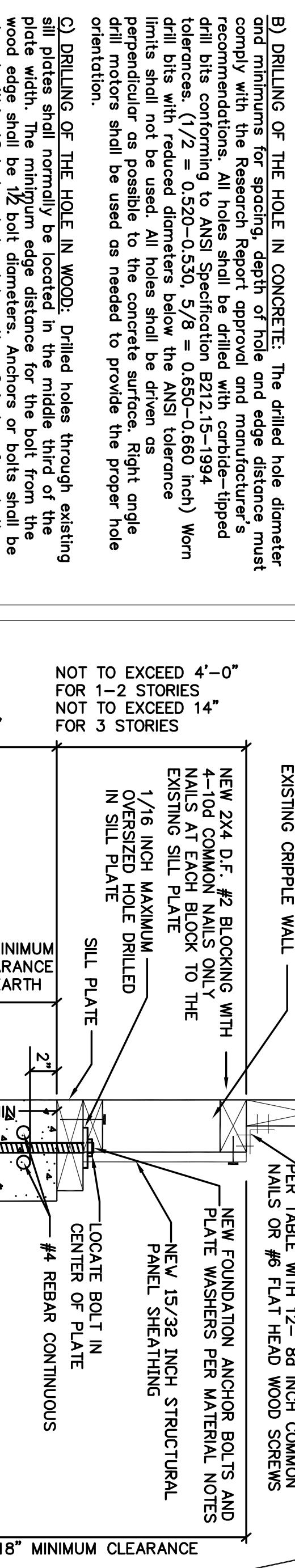
1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.

N. ANCHOR BOLT INSTALLATION

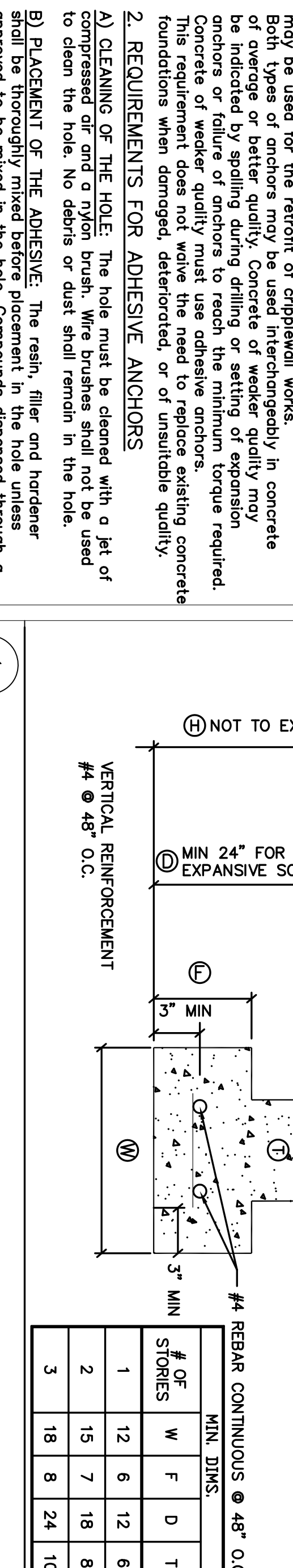
1. **CONDITION OF EXISTING CONCRETE** - All concrete shall be fully cured and hardened, uncracked and in sound condition. Concrete shall be tested for strength and compressive strength shall be in accordance with the minimum prescriptive standard.



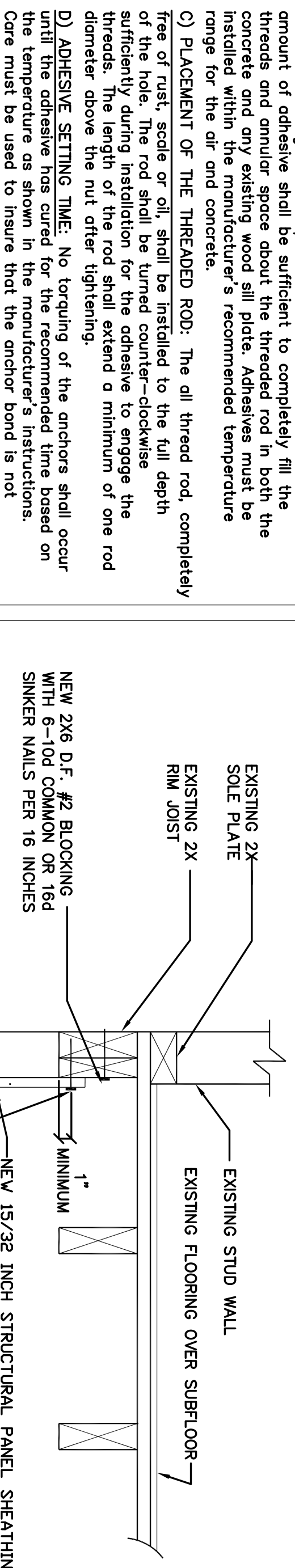
1. REPLACEMENT CONCRETE FOOTING AND STEM WALL



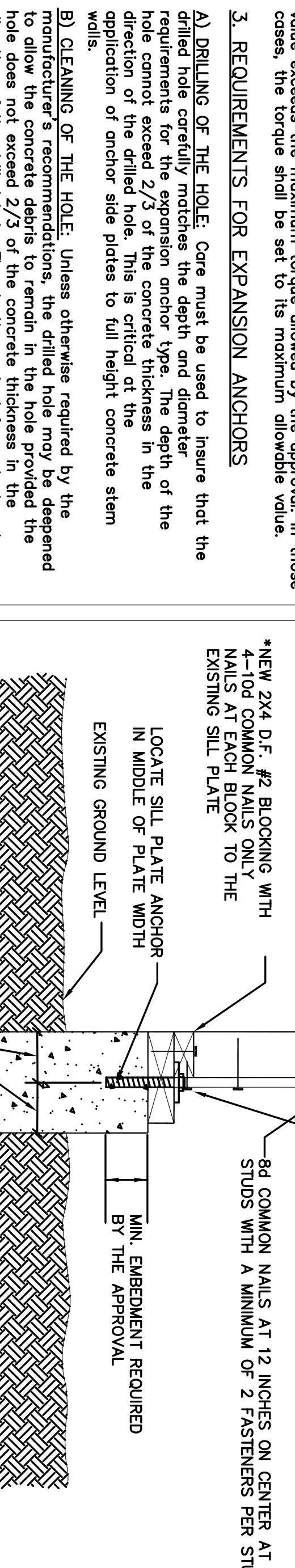
2a. CRIPPLE WALL SECTION - PARALLEL JOISTS



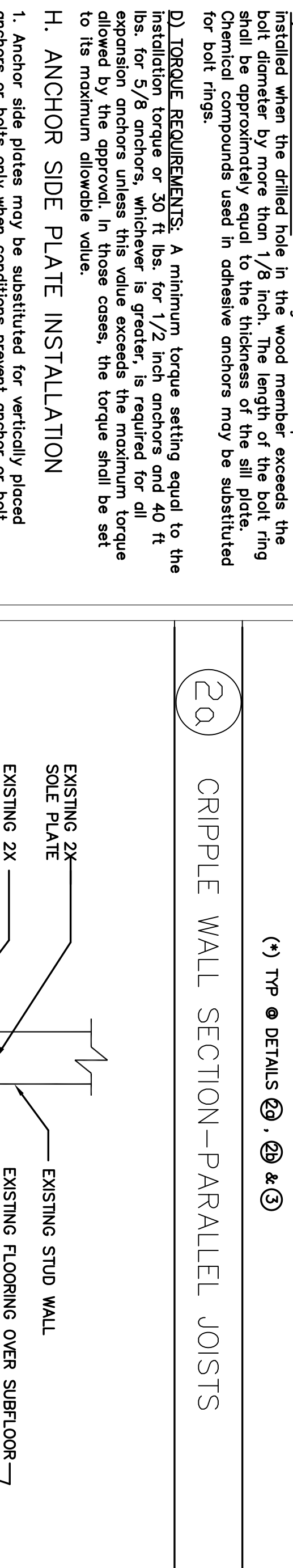
2b. CRIPPLE WALL SECTION - PERPENDICULAR JOISTS



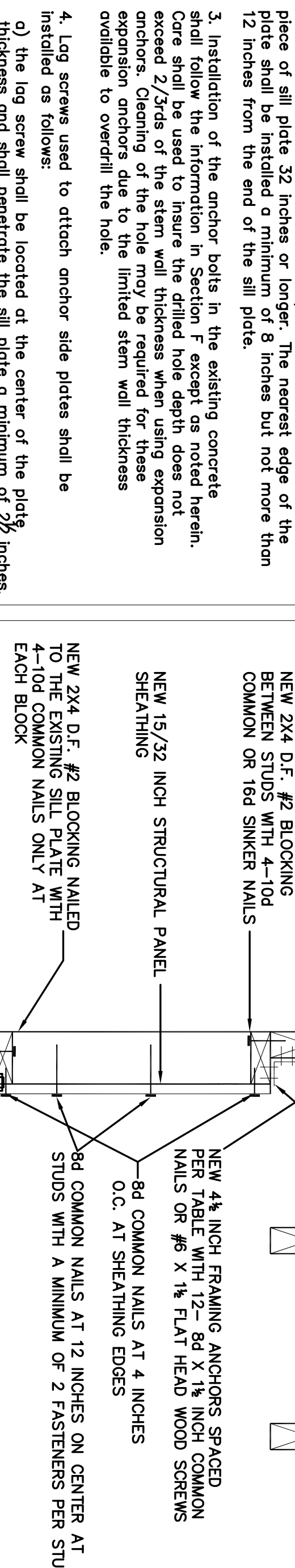
4. CRIPPLE WALL BRACING - OPENING REINFORCEMENT



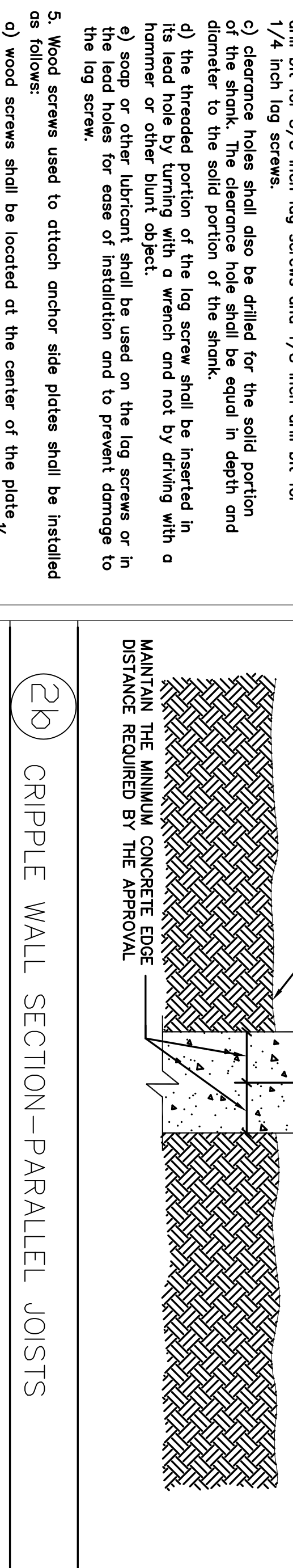
5. CRIPPLE WALL BRACING - INTERIOR ELEVATION



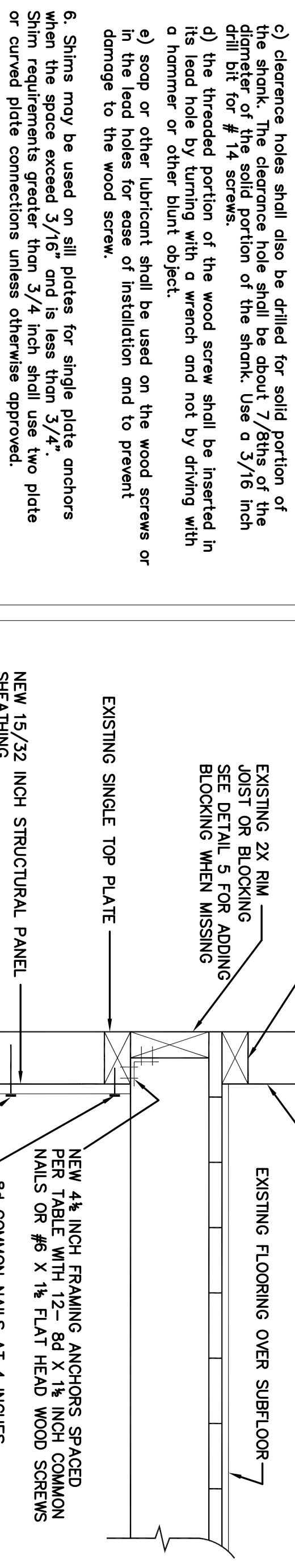
6. CRIPPLE WALL BRACING - NO CRIPPLE WALL



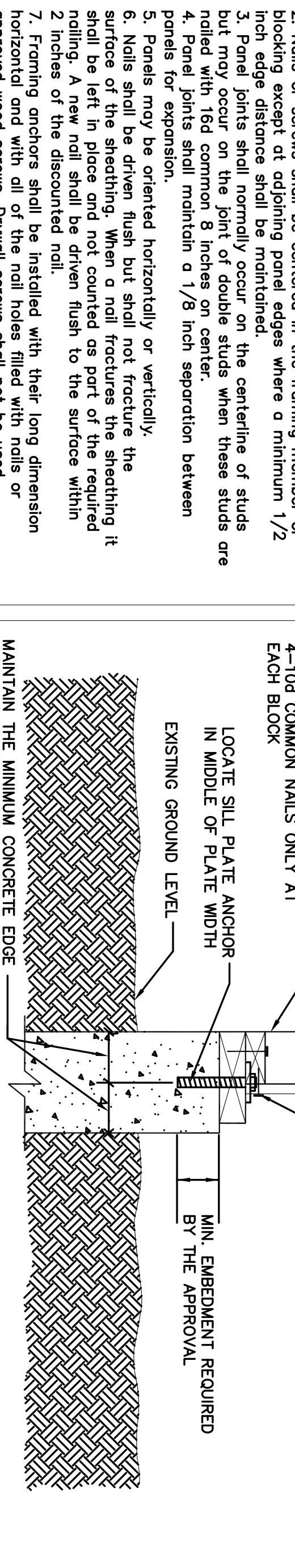
7. SILL PLATE BOLTING - TRAPEZOIDAL FOOTING



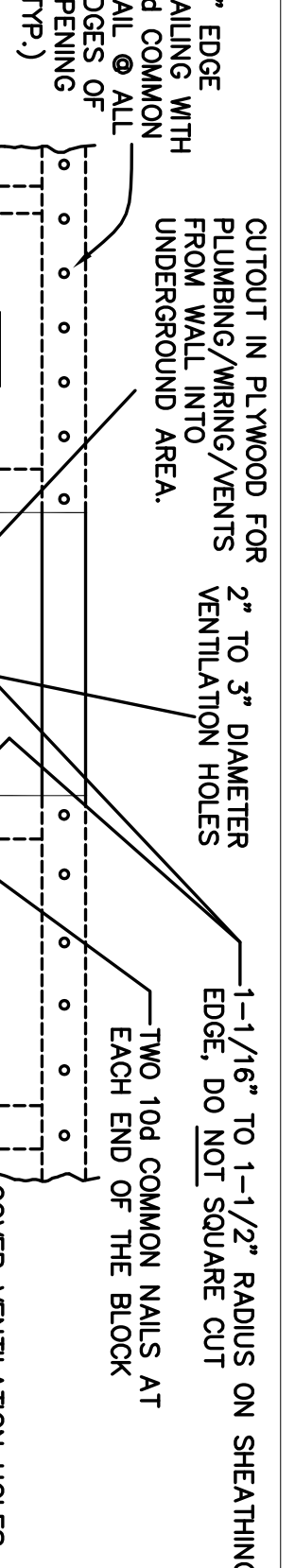
8. SILL PLATE BOLTING - NO FLOOR JOISTS



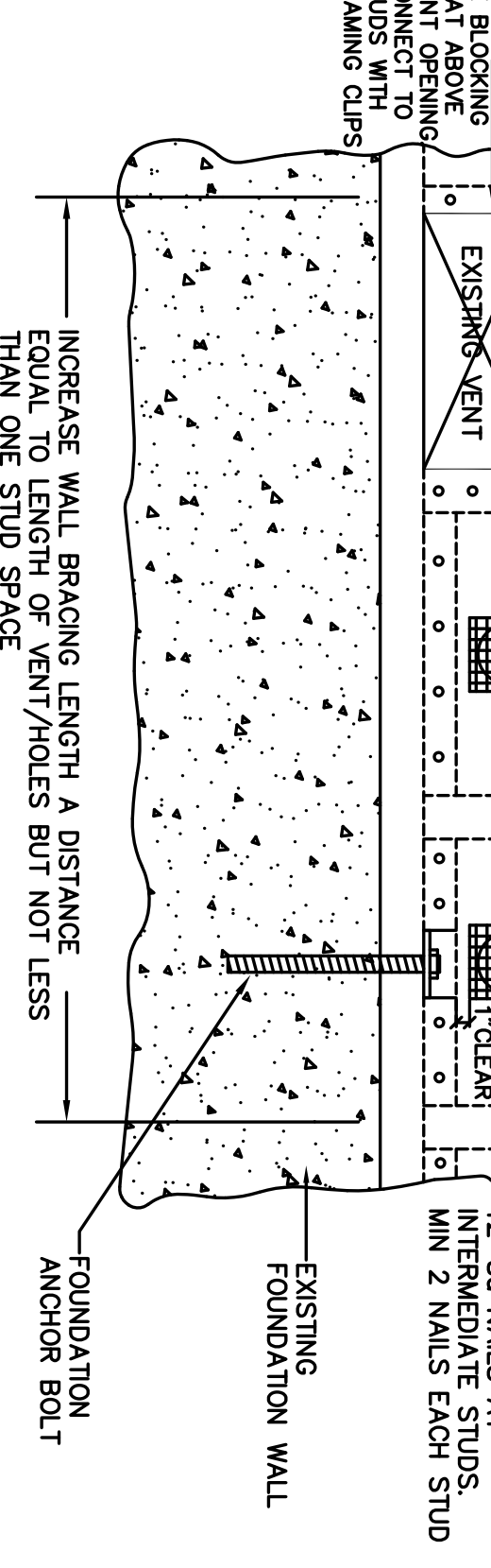
9. SILL PLATE BOLTING - PERPENDICULAR JOISTS



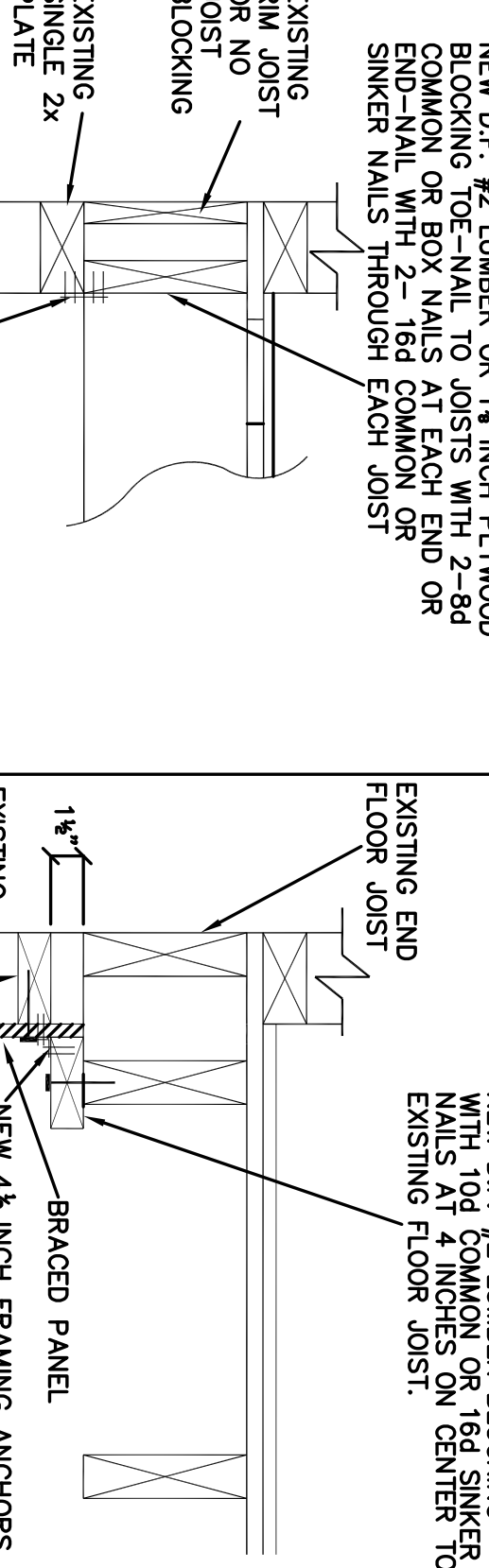
10. SILL PLATE BOLTING - PARALLEL JOISTS



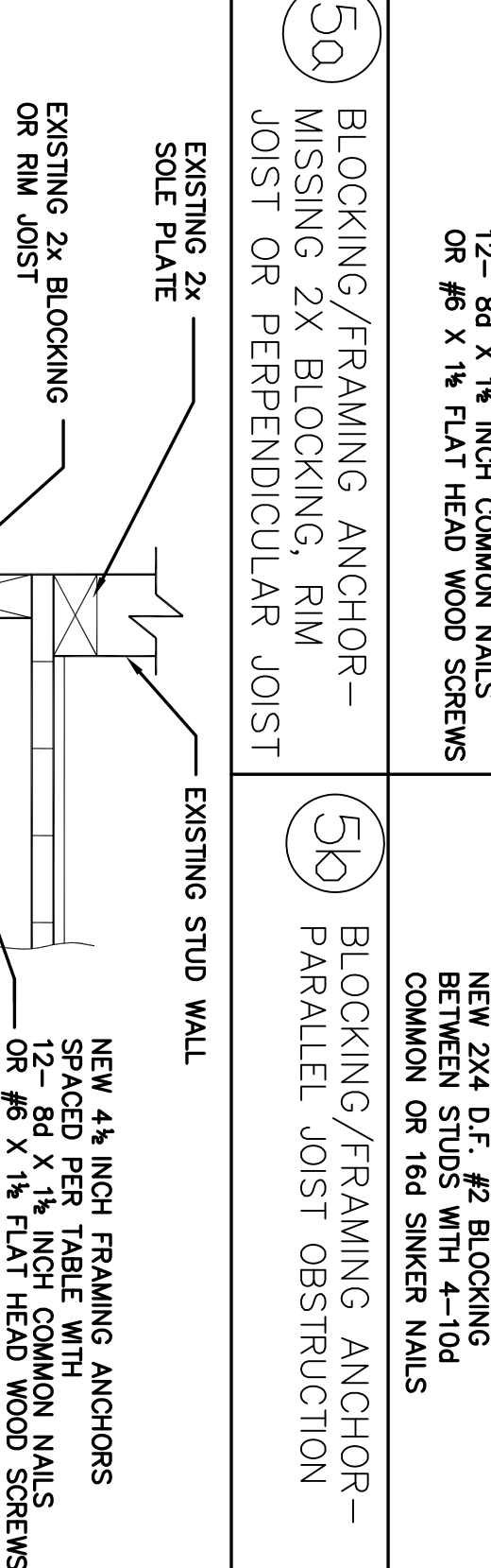
11. CRIPPLE WALL BRACING WITH PLYWOOD ON EXTERIOR FACE OF CRIPPLE STUDS



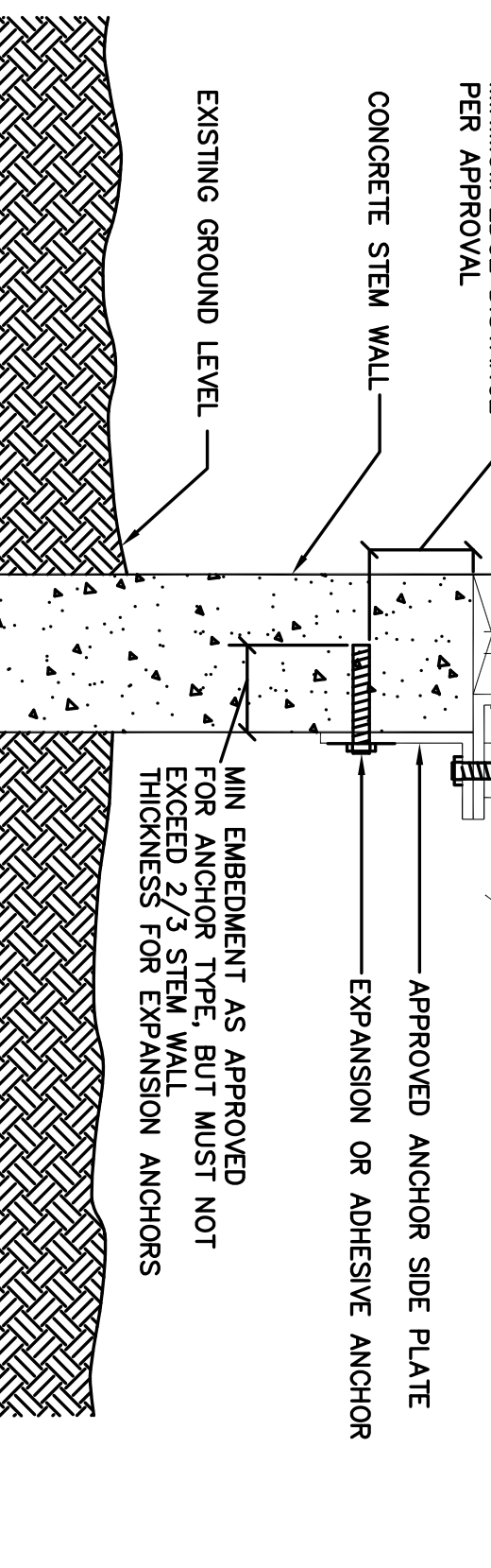
12a. ALTERNATIVES TO SINGLE TOP PLATE SPLICE



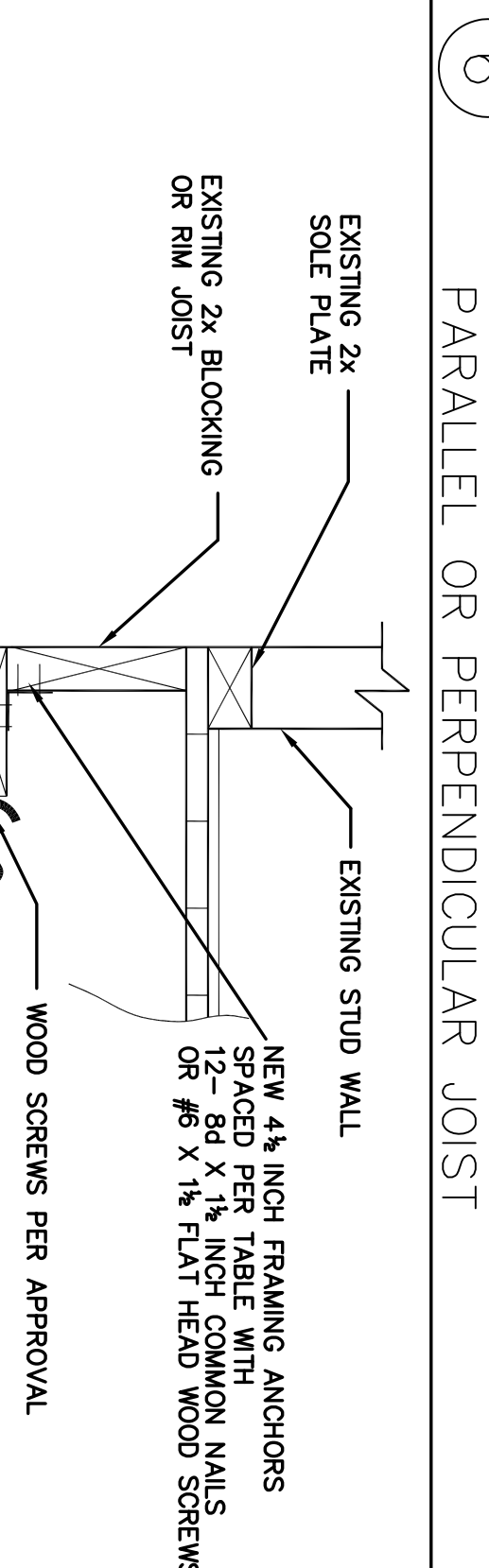
13a. VERTICAL SPLICE ON DOUBLE STUD



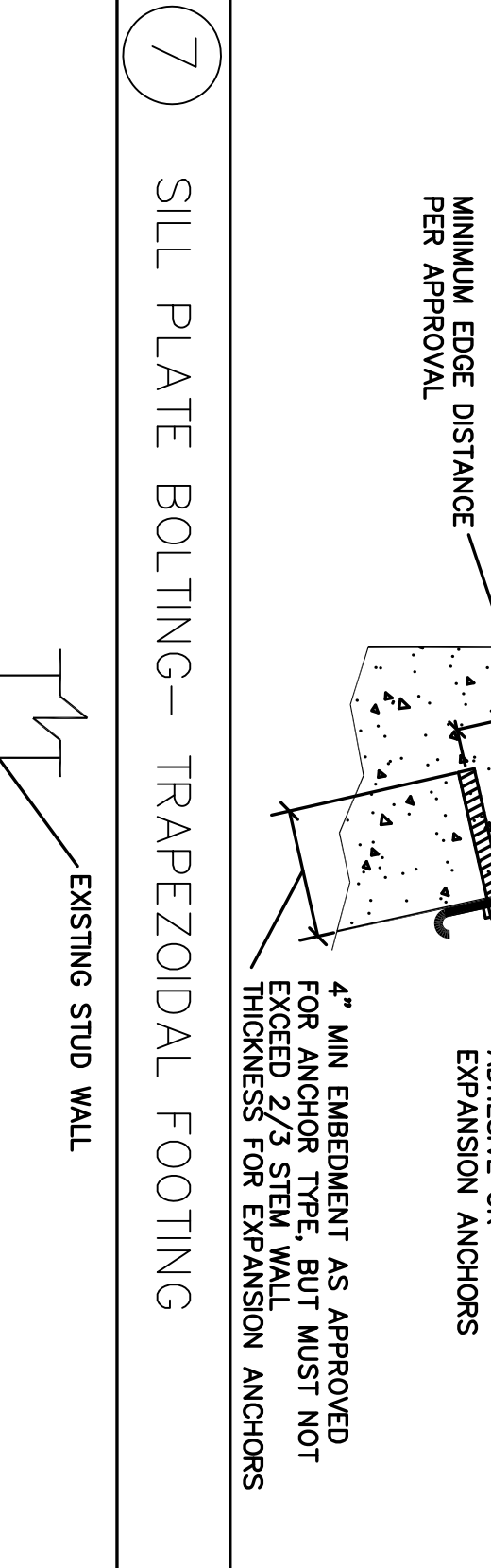
13b. VERTICAL SPLICE ON SINGLE STUD



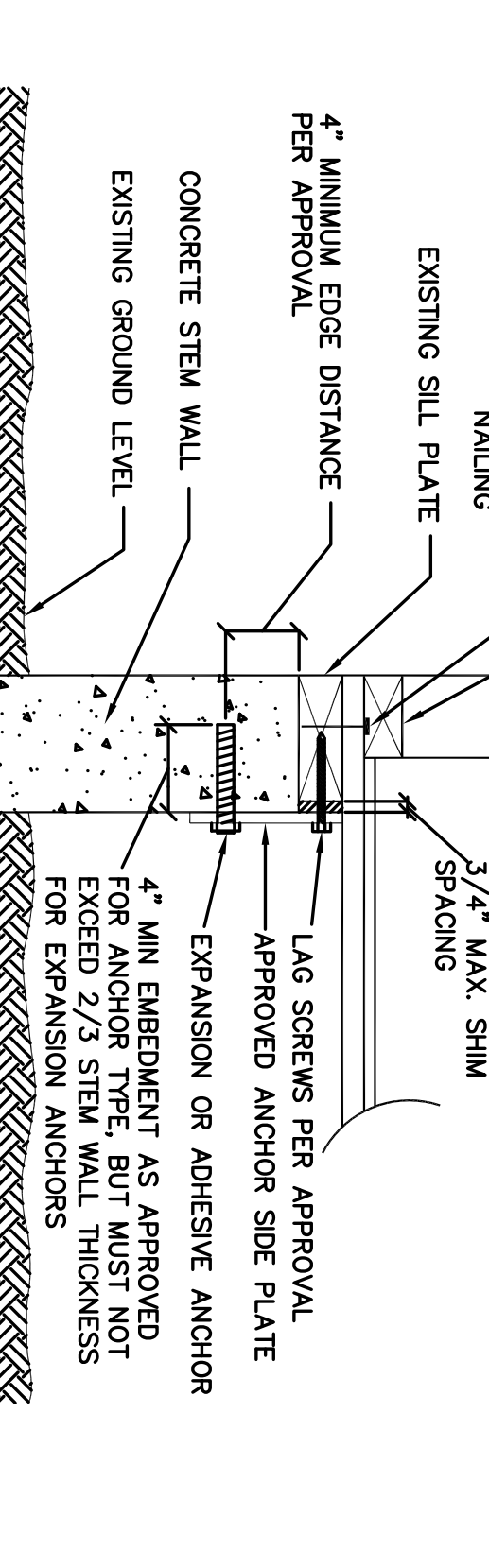
13c. WOOD BLOCKING



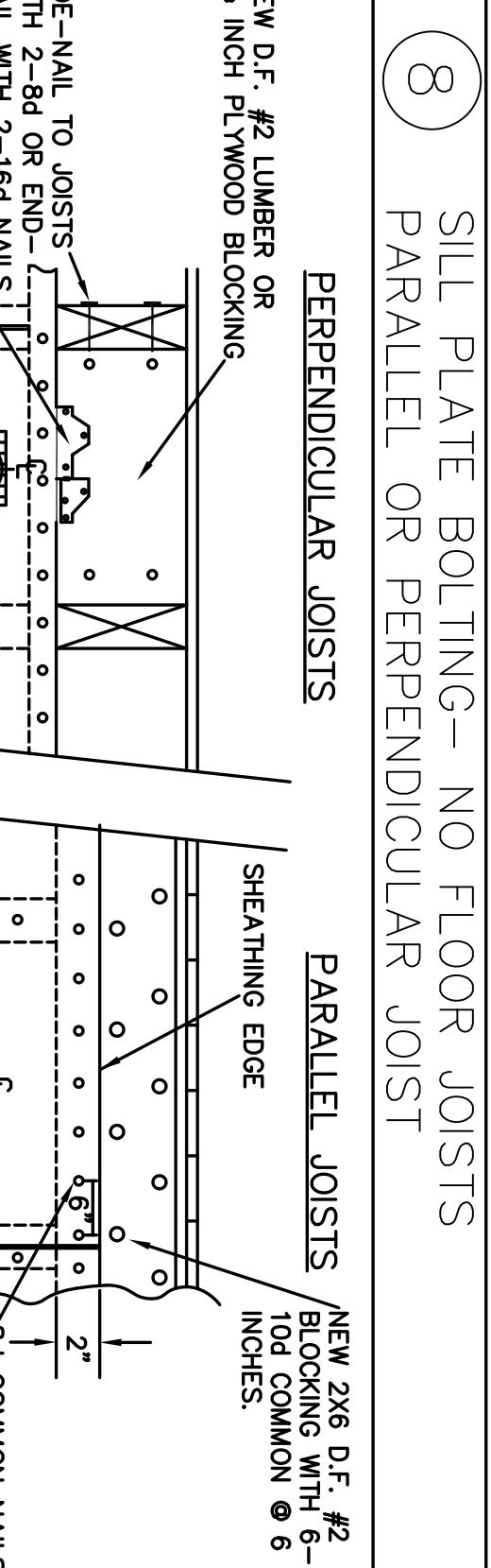
12b. SINGLE TOP PLATE SPLICE



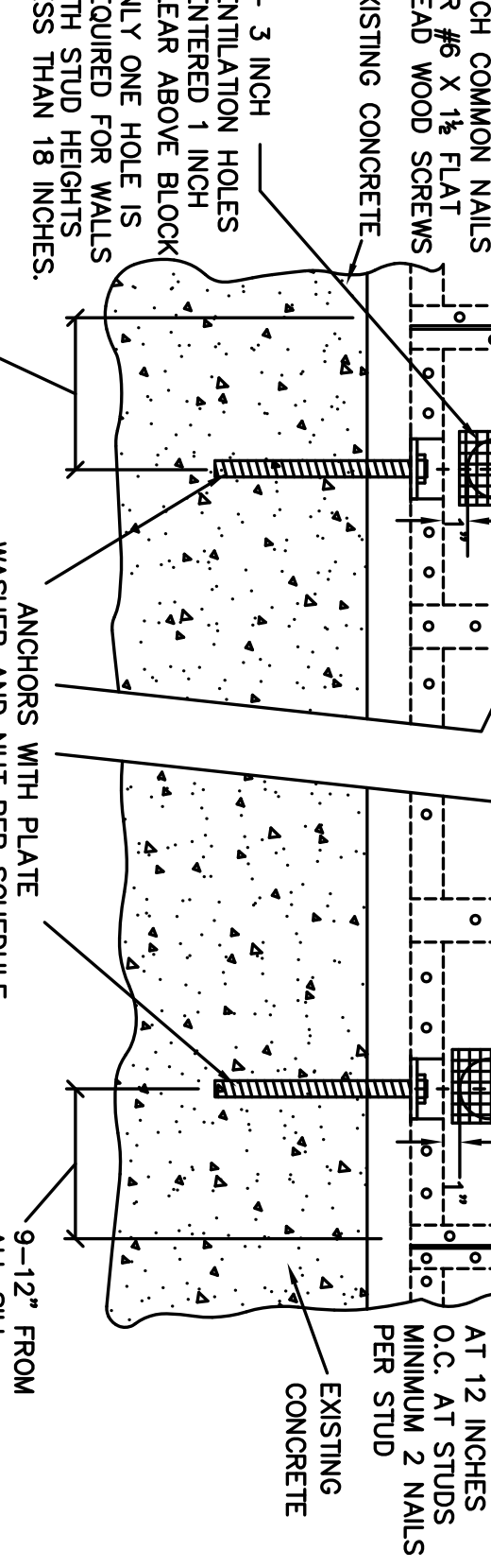
10a. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



10b. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



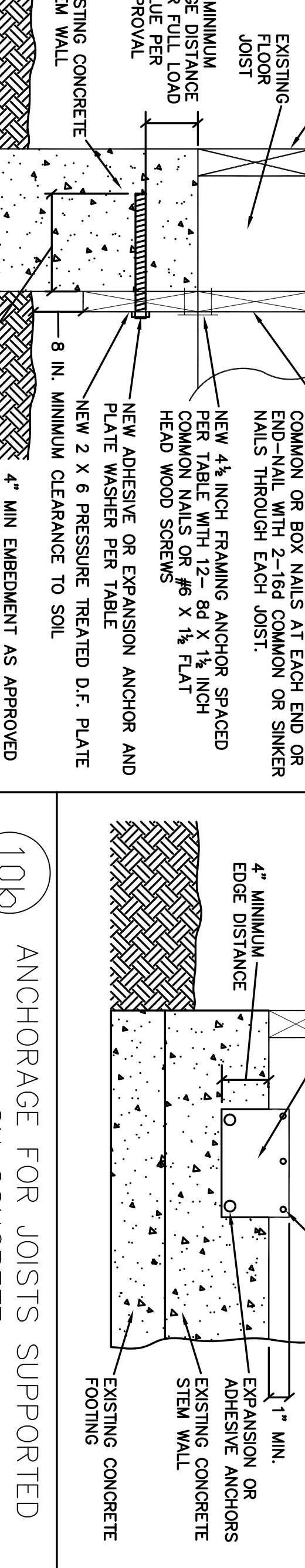
10c. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



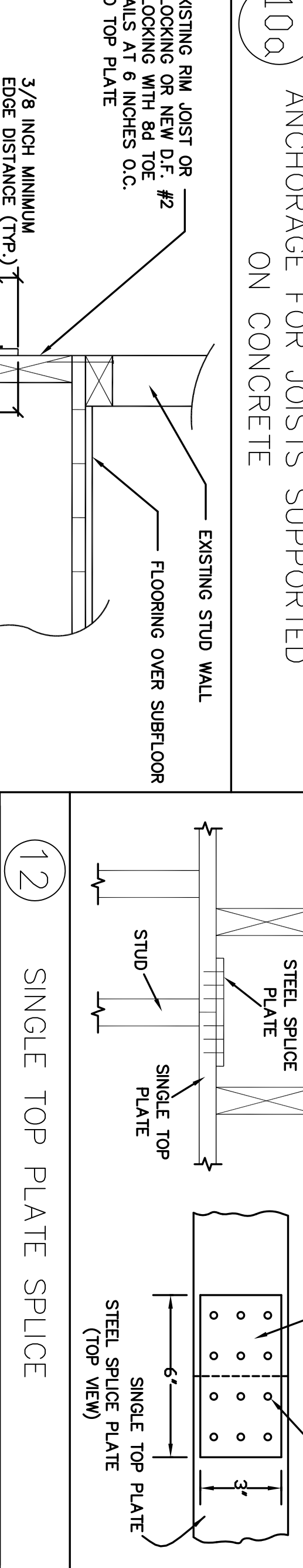
10d. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



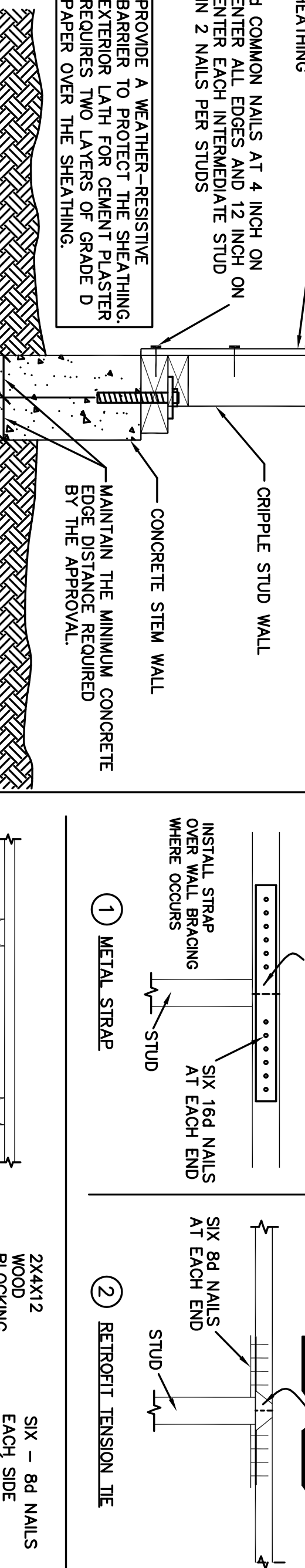
10e. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



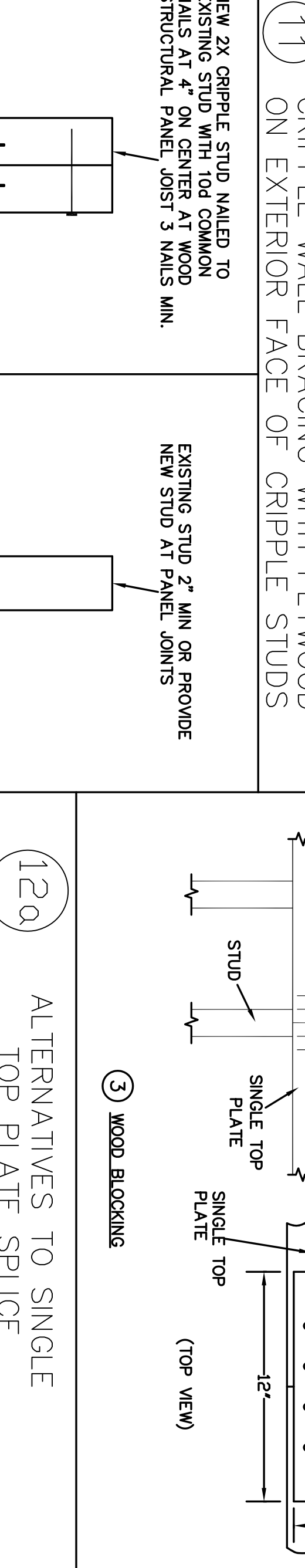
10f. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



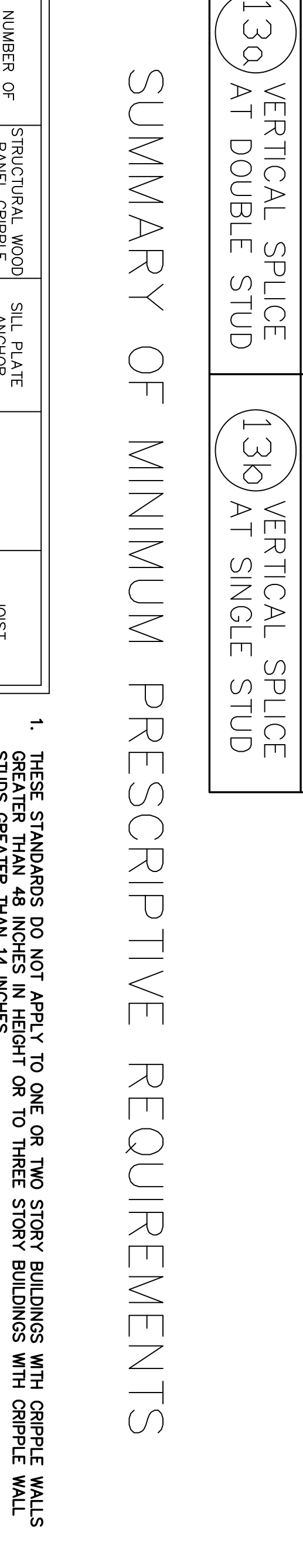
10g. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



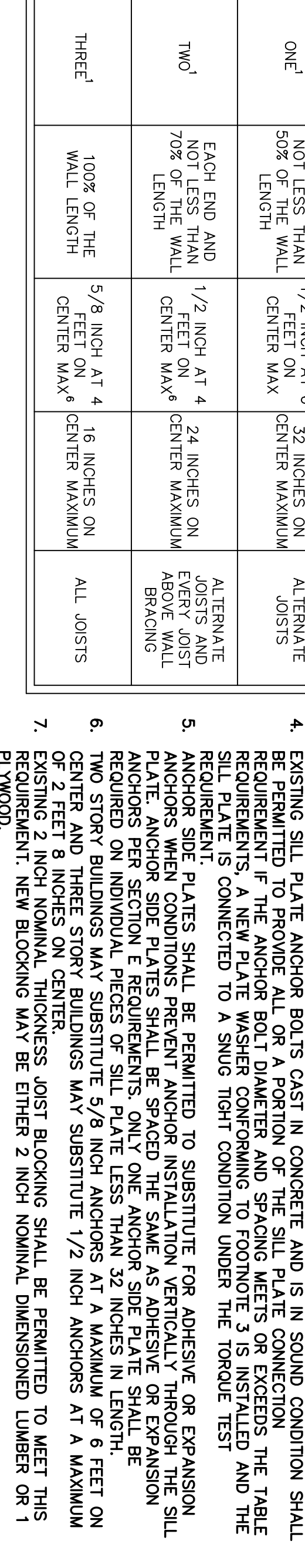
10h. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



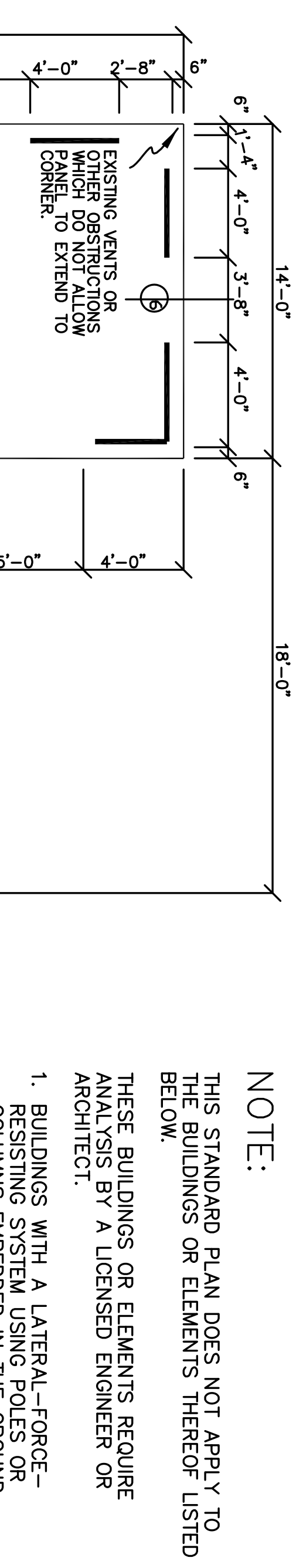
10i. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



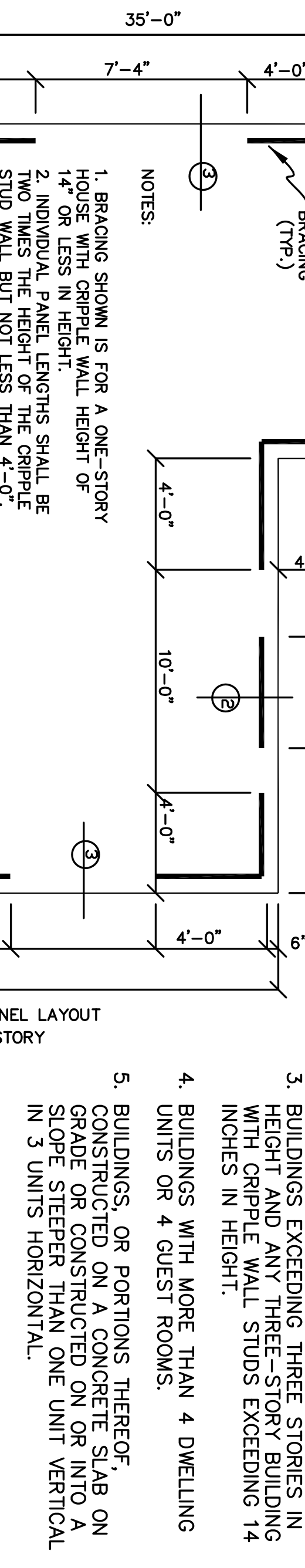
10j. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



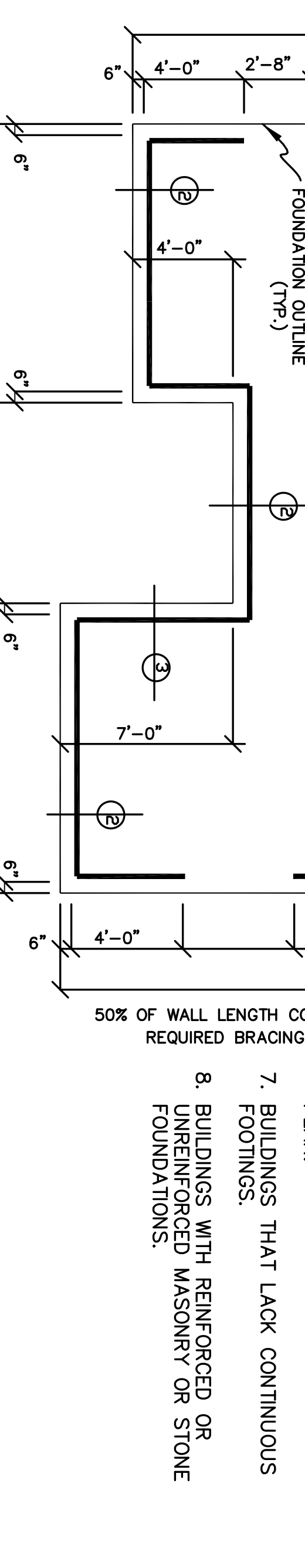
10k. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



10l. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



10m. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE



10n. ANCHORAGE FOR JOISTS SUPPORTED ON CONCRETE

| NO. | REVISIONS |
|------------|-----------|
| 05/03/2016 | |

EARTHQUAKE HAZARD REDUCTION IN EXISTING WOOD FRAME RESIDENTIAL BUILDINGS WITH WEAK CRIPPLE WALLS AND UNBOLTED SILL PLATES

APPROVED BY:
IFA KASHEFI, CHIEF OF THE ENGINEERING BUREAU
KEN GILL, ASSISTANT CHIEF OF THE ENGINEERING BUREAU

DEPARTMENT OF BUILDING AND SAFETY

STANDARD PLAN NUMBER ONE