

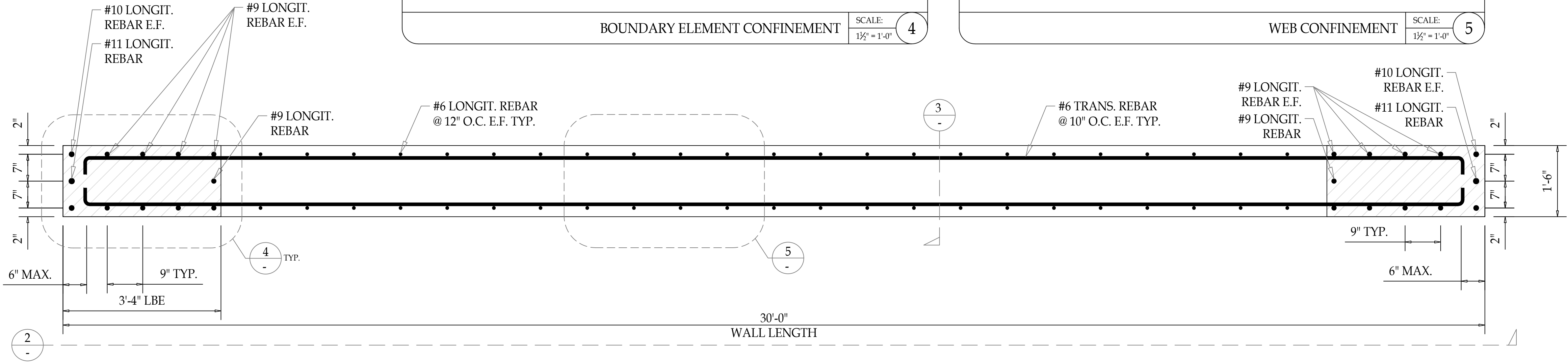
ABBREVIATIONS:	
(E)	EXISTING
#	NUMBER
&	AND
@	AT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
B.E.W.	BOTTOM EACH WAY
BLDG	BUILDING
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
DIA or Ø	DIAMETER
DIST	DISTANCE
E.A.	EACH FACE
E.W.	EACH WAY
EXTG	EXISTING
EXT	EXTERIOR
HORIZ	HORIZONTAL
LBE	LENGTH OF BOUNDARY ELEMENT
LONG	LONGITUDINAL
MIN	MINIMUM
NO. or #	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
REBAR	REINFORCING BAR
REQ'D	REQUIRED
SIM	SIMILAR
SQ	SQUARE
T&B	TOP AND BOTTOM
THK	THICK
THRU	THROUGH
TRANS	TRANSVERSE
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
W/O	WITHOUT

- GENERAL NOTES:**
- ACADEMIC SCOPE: THIS PLAN AND ALL ASSOCIATED CALCULATIONS WERE DEVELOPED STRICTLY FOR ACADEMIC RESEARCH AND EDUCATIONAL PURPOSES. METHODS OF CONSTRUCTION AND MATERIAL SPECIFICATIONS HEREIN ARE THEORETICAL AND ARE NOT INTENDED FOR PHYSICAL EXECUTION.
 - CONSTRUCTION PROHIBITION: THIS PLAN IS NOT FOR CONSTRUCTION. IT IS NOT INTENDED TO BE APPLICABLE FOR REAL-WORLD PERMITTING, FABRICATION, OR INSTALLATION. ANY ATTEMPTED USE OF THIS DOCUMENT FOR ACTUAL BUILDING PURPOSES IS EXPRESSLY PROHIBITED.

- CONCRETE NOTES:**
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 8,000 P.S.I. AT 28 DAYS.
 - ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO ACI 318-19.
 - CEMENT SHALL BE PORTLAND CEMENT (TYPE I OR II) CONFORMING TO ASTM C150
 - KEEP CONCRETE DAMP CONTINUOUSLY FOR A MINIMUM OF 14 DAYS.
 - NO ADMIXTURES SHALL BE USED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
- REBAR NOTES:**
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A706 GRADE 80 FOR ALL BAR SIZES
 - REINFORCEMENT PLACEMENT AND MINIMUM CONCRETE COVER SHALL CONFORM TO ACI 318-19.
 - BARs SHALL BE BENT COLD AND BE FREE OF ANY MATERIALS LIKELY TO IMPAIR BOND.
 - SPLICES AND LAPS SHALL BE PROVIDED AS INDICATED ON THE PLANS. WHERE NOT SPECIFIED, LAPS SHALL BE STAGGERED.
 - PROVIDE DOVELS AT CONSTRUCTION JOINTS EQUAL IN SIZE AND SPACING TO SUBSEQUENT REINFORCING UNLESS NOTED OTHERWISE.
 - COMPLY WITH OSHA 1926.701(b) REGARDING REBAR PROTECTION; REMOVE CAPS PRIOR TO CONCRETE PLACEMENT.

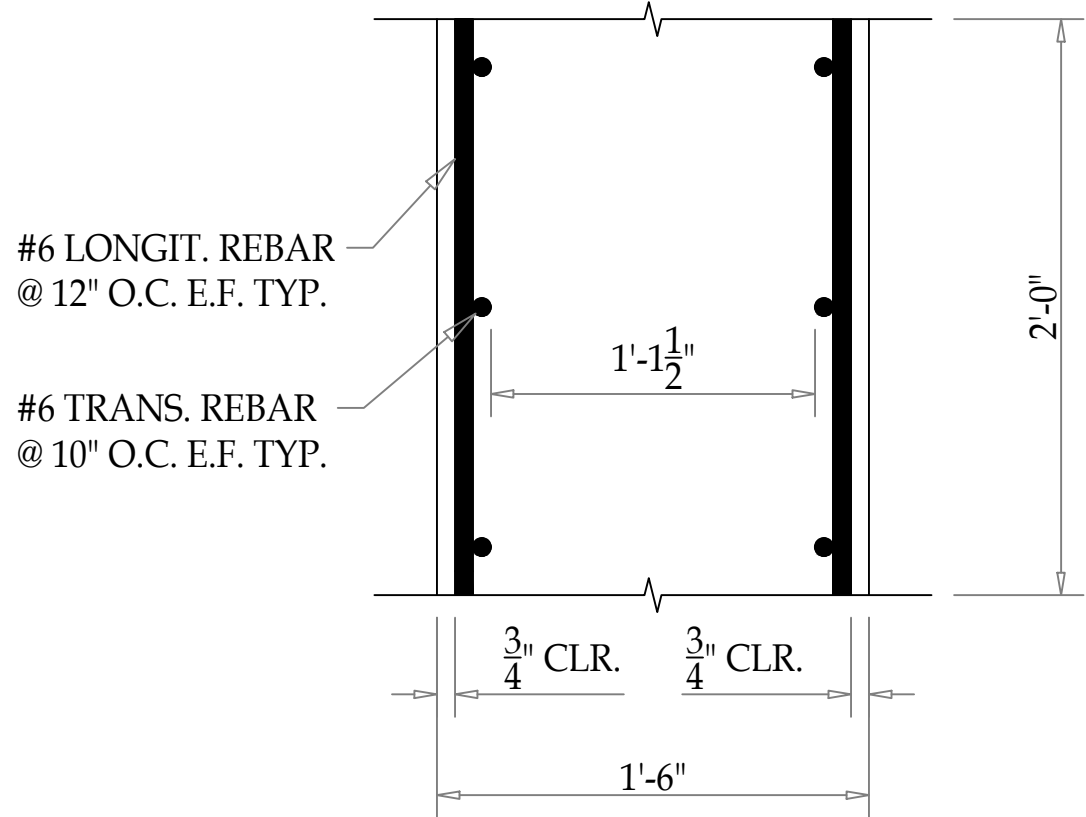
DESIGN CRITERIA:

- C.B.C. 2025
- CONCRETE: 8,000 P.S.I.
- REINFORCING STEEL: GRADE 80
- LIVE LOAD:
 - 20 P.S.F. (ROOF)
 - 40 P.S.F. (FLOOR)
- DEAD LOAD:
 - 205 P.S.F. (ROOF)
 - 116 P.S.F. (FLOOR)
 - 15 P.S.F. (EXTERIOR WALL)
 - 225 P.S.F. (SHEAR WALL)
 - 675 P.L.F. (COL.)
- S_c: 1.11
- S_f: 0.43
- SITE CLASS: D
- S.D.C.: D
- M.L.F.R.S.: SPECIAL REINFORCED CONCRETE SHEAR WALL
- ANALYSIS PROCEDURE: ELF
- R: 6
- RISK CATEGORY: II



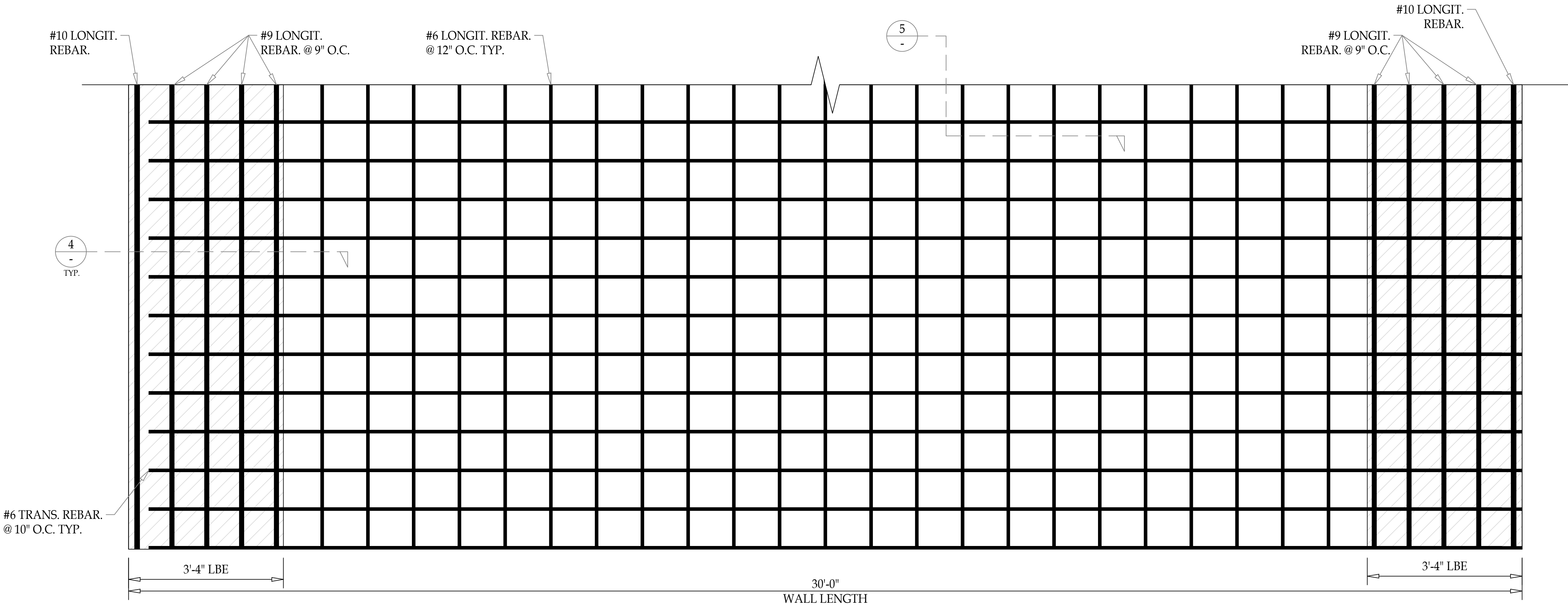
3. INDICATES BOUNDARY ELEMENT SECTION

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



WEB SECTION

SCALE: 1/2" = 1'-0" 3



ELEVATION

SCALE: 3/4" = 1'-0" 2

NEXT GEN

REVISIONS:

REASON	DATE

PROJECT LOCATION:

ONE PASEO

PROJECT DESCRIPTION:

CONCRETE SHEAR WALL

SHEET CONTENTS:

PLAN & ELEVATION

DATE: 05-05-2026
DRAFTER: NEXT GEN
DESIGNER: NEXT GEN
PROJECT #: 2
SHEET #:

S-1