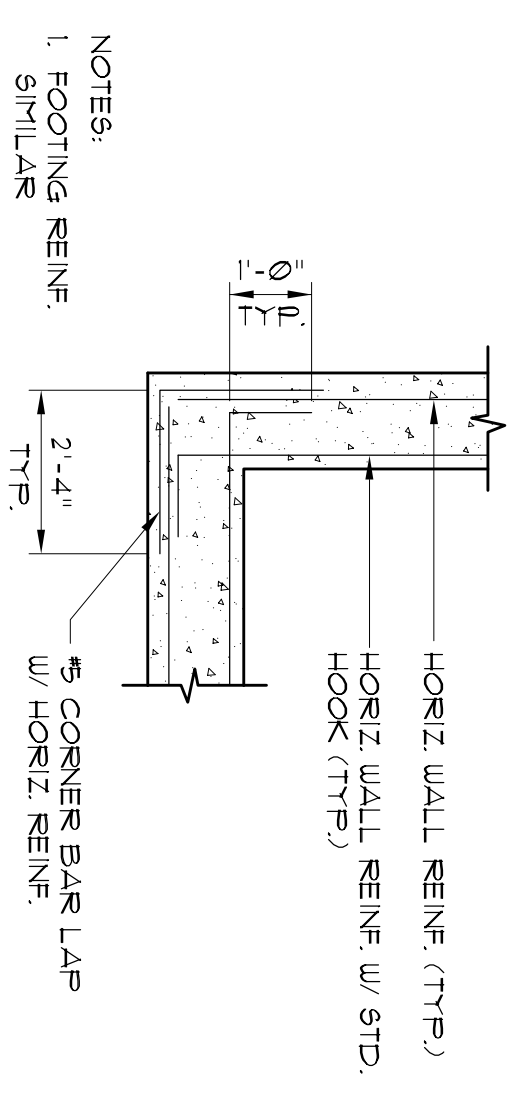
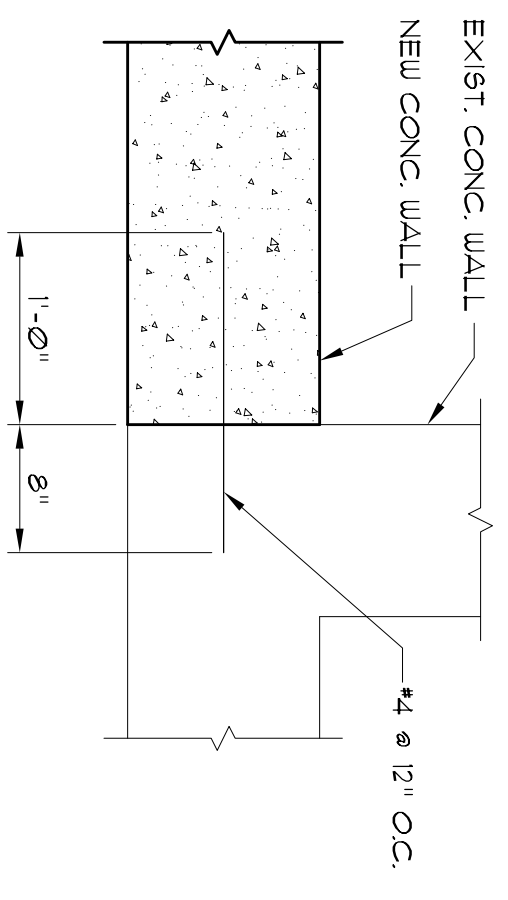
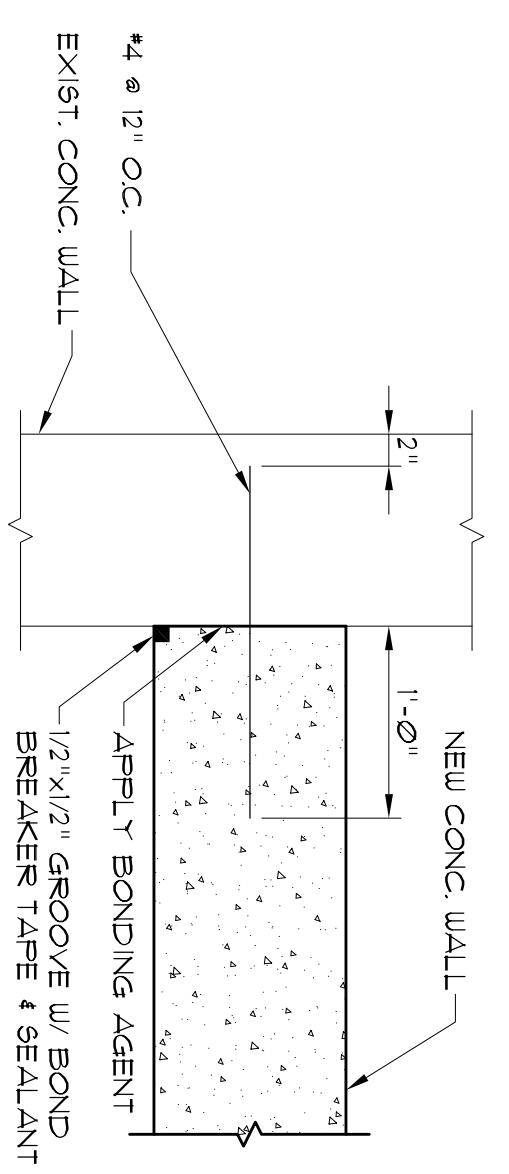


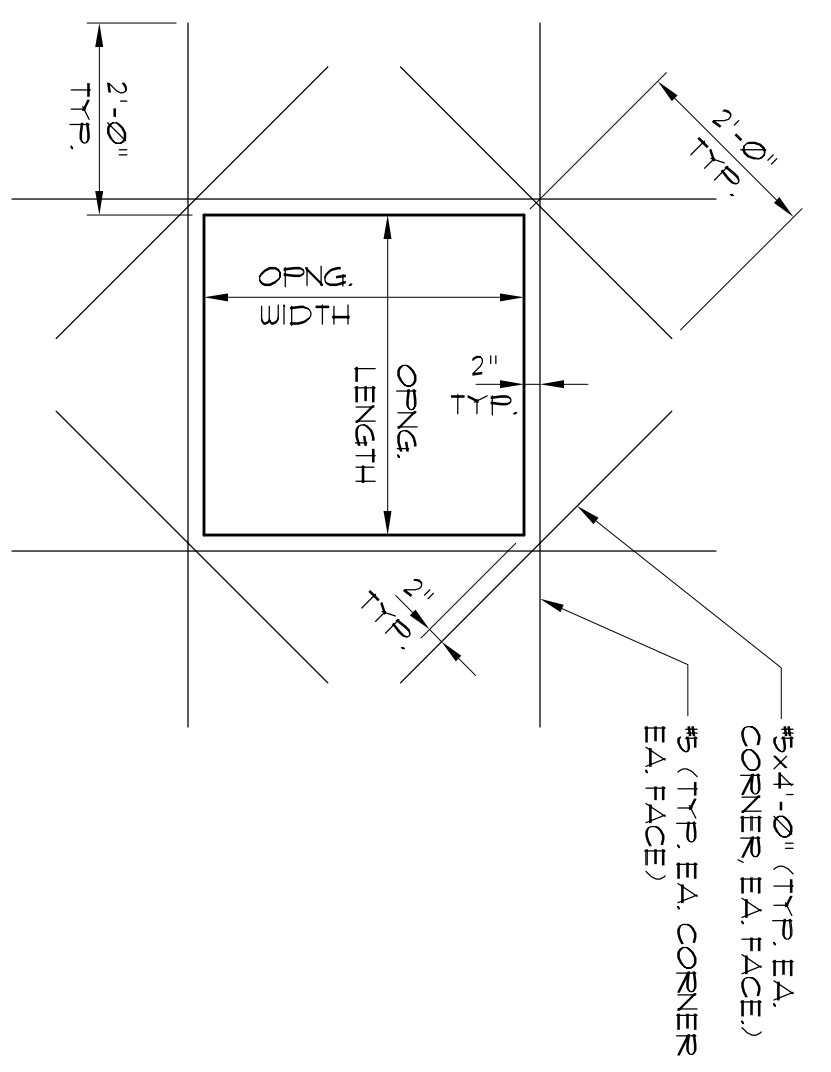
**TYP. WALL JOINTS**



**TYP. CORNER REINFORCING**

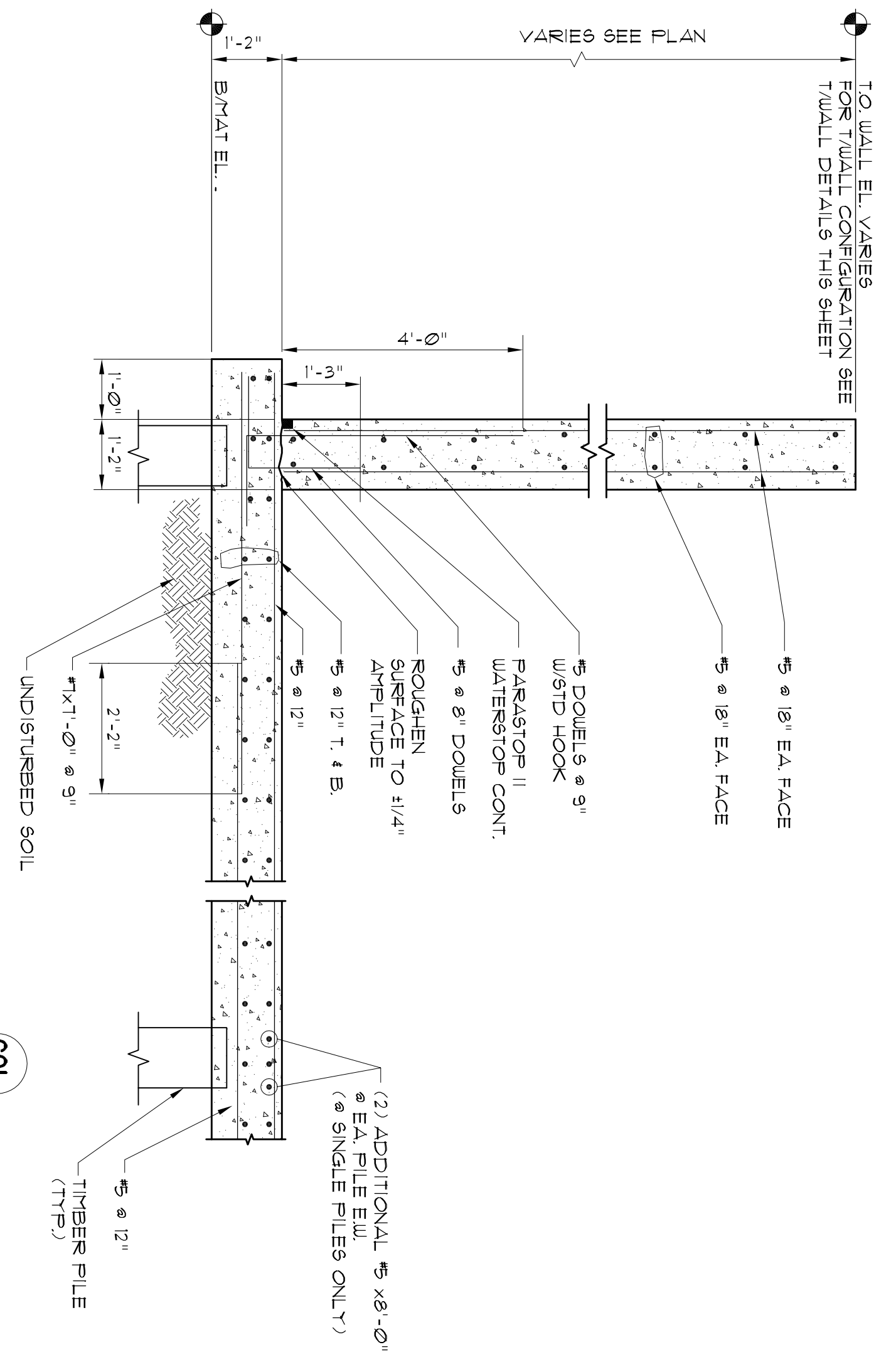


**TYP. REINF. @ NEW TO EXIST. CONCRETE**

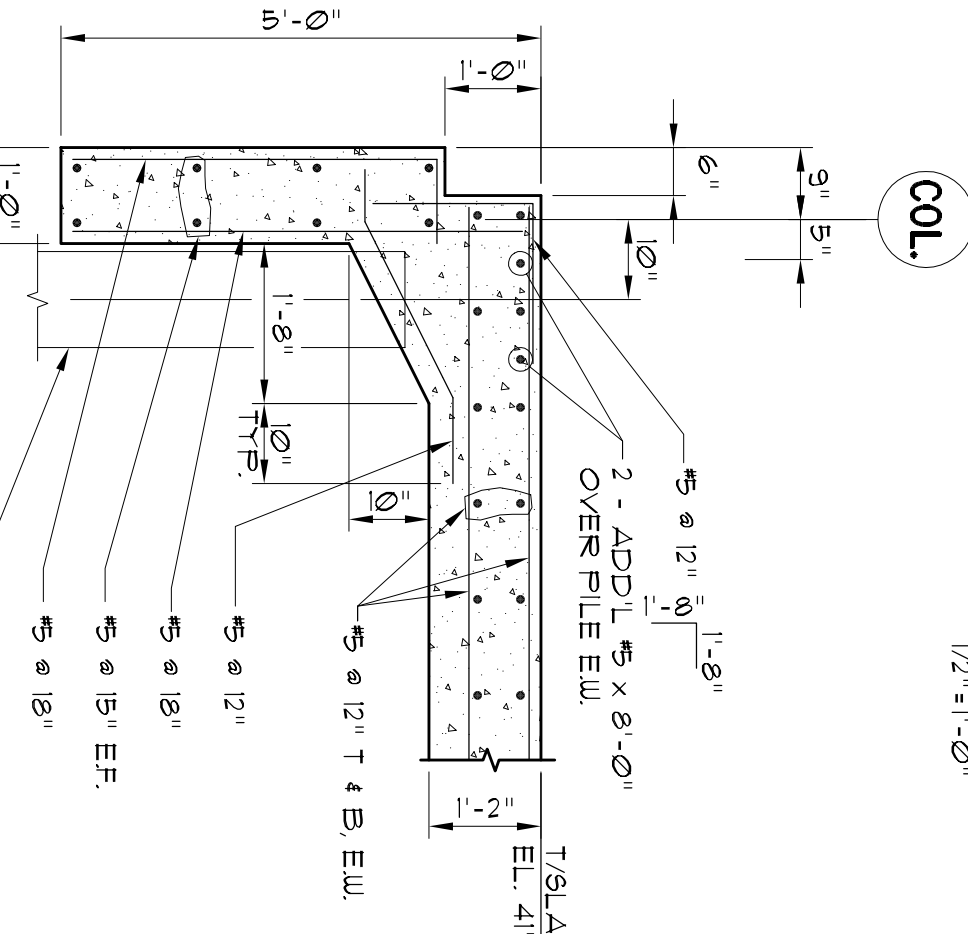


**ADD'L REINF. @ TYP. CONC. OPNGS**

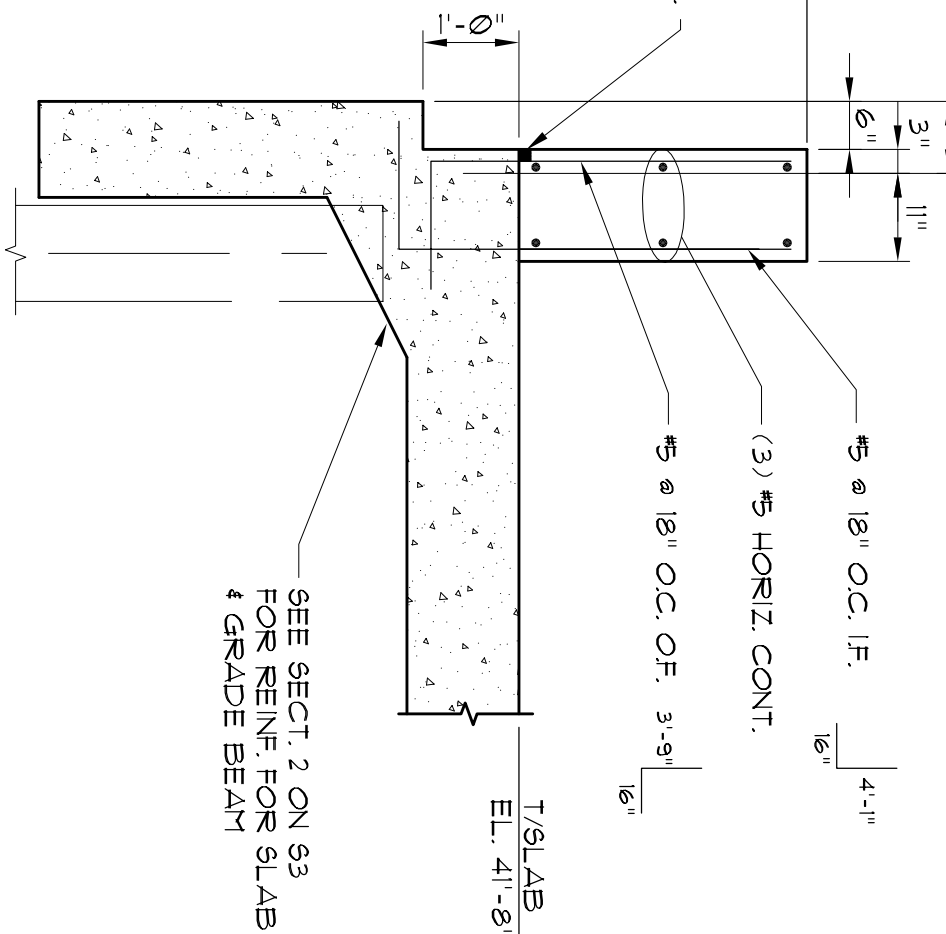
TYP. WALL REIN. NOT SHOWN FOR CLARITY.



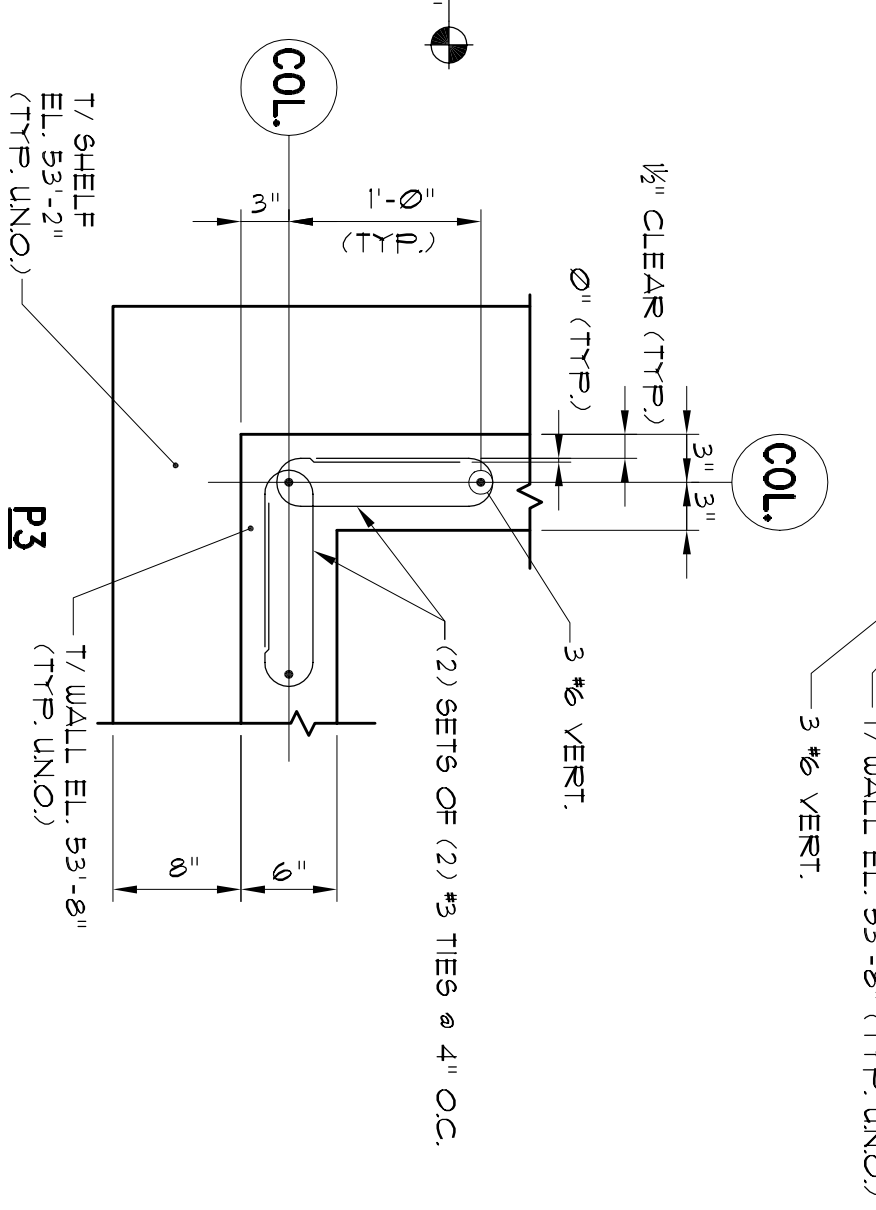
**TYP. RETAINING WALL**



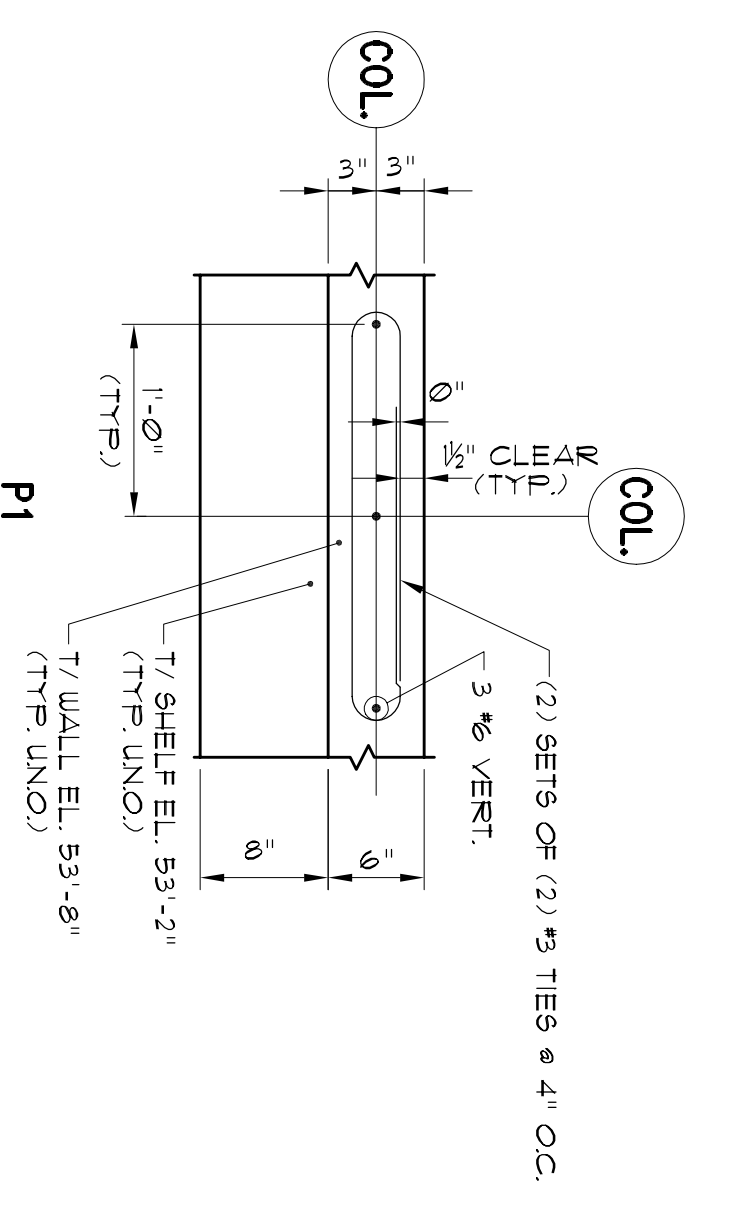
**SECTION 2**



**SECTION 3**

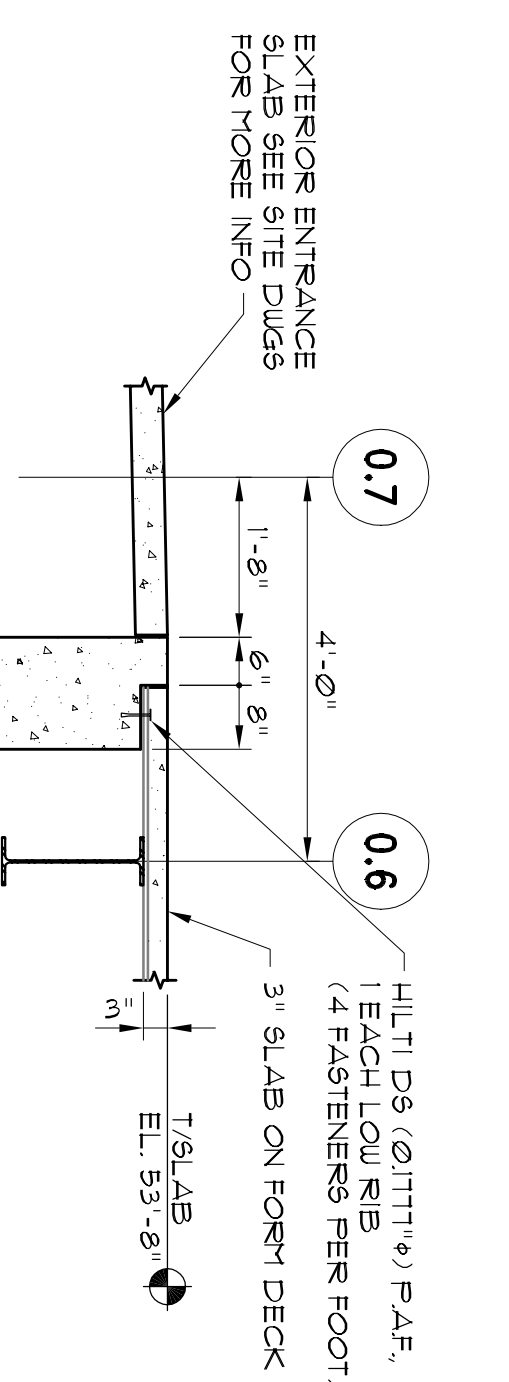


**SECTION 4**

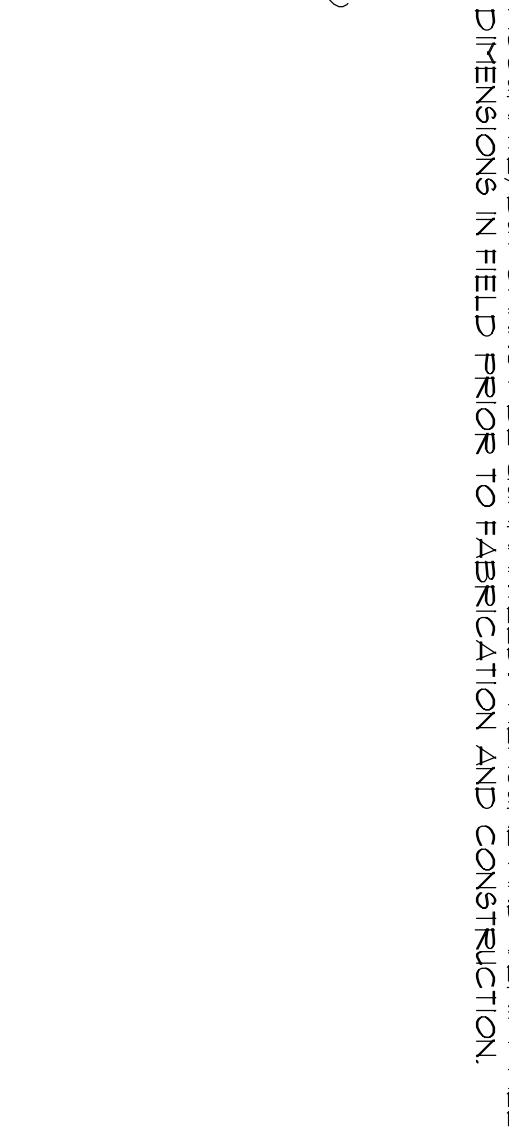


**SECTION 5**

**TYP. CORNER REINFORCING**

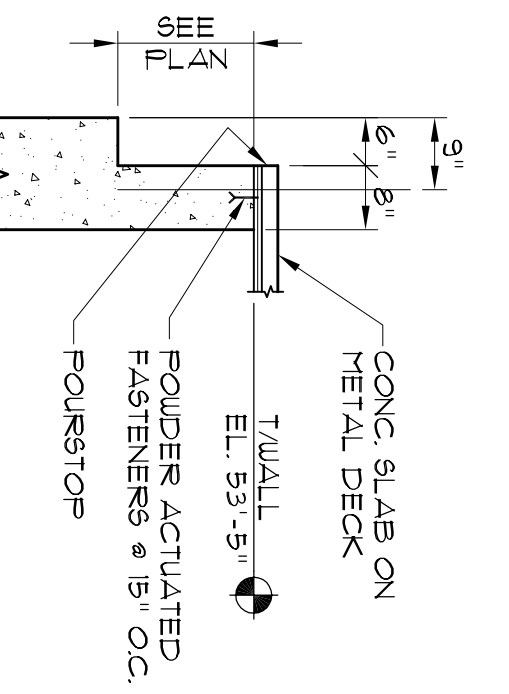


**SECTION 6**

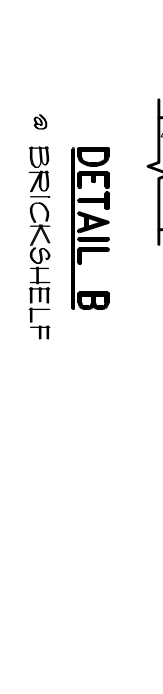


**SECTION 7**

**TOP OF WALL DETAILS**



**DETAIL A**



**DETAIL B**

- FOUNDATION NOTES:**
- DESIGN BEARING CAPACITY: 2.5 KSF FOOTINGS ON SOIL.
  - PROVIDE MIN. 4\"/>
  - UNDER FLOOR SLABS, REMOVE TOPSOIL AND UNSUITABLE MATERIALS, FILL OVER EXCAVATED AREAS WITH COMPACTED GRAVEL. PROVIDE MIN. 6\"/>
  - UNDER SLABS (AND FOOTINGS, IF REQUIRED), COMPACT MATERIAL TO 95% OF MAX. DENSITY DETERMINED BY ASTM D1557 MODIFIED.
  - PROVIDE MATERIAL MEETING THE FOLLOWING GRADATIONS BY WEIGHT:
 

GRAVEL: 3\"/>	% PASSING
3\"/>	100
1/4\"/>	30-70
NO. 10	0-20
NO. 200	0-5
  - SAND: 3\"/>

3\"/>	% PASSING
NO. 4	100
NO. 10	50-60
NO. 16	0-5
NO. 100	2-10
  - BACKFILL BOTH SIDES OF FOUNDATION WALLS AT THE SAME TIME EXCEPT FOR WALLS DESIGNED TO BE PERMANENT RETAINING WALLS. DO NOT BACKFILL RETAINING WALLS UNTIL 1 DAY'S AFTER PLACING CONCRETE.

**CONCRETE NOTES:**

- DESIGN CODE: ACI 318-99
- MINIMUM 28 DAY COMPRESSIVE STRENGTH: 3000PSI
- REINFORCEMENT: GRADE 60 A573M A615 WELDED WIRE FABRIC: A573M A185
- MINIMUM CONCRETE COVER:
  - 3\"/>
  - 2\"/>
- PROVIDE CONTROL JOINTS OR CONSTRUCTION JOINTS IN FOUNDATION WALLS AT 30' O.C. MAXIMUM SPACING. LOCATE JOINTS TO MATCH CONTROL JOINTS IN FRABORNET WHERE POSSIBLE.
- SPLICE LENGTHS (UNLESS SHOWN OTHERWISE):
  - HORIZONTAL BARS IN WALLS:
    - 4\"/>
    - 3\"/>
  - OTHER BARS:
    - 4\"/>
    - 3\"/>
    - 3\"/>

**WELDED WIRE FABRIC @ 6\"/>**

- COORDINATE PENETRATIONS THROUGH CONCRETE WITH ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS.

**GENERAL STRUCTURAL NOTES:**

- DESIGN CODE: 1989 BOCA NATIONAL BUILDING CODE
- ROOF DESIGN LOADS:
  - SNOW: 5/8 PSF AND 0 PSF UNBALANCED MECHANICAL LOAD. 2 PSF
- WIND LOADS: BASIC WIND SPEED: 85 MPH WIND LOAD IMPORTANCE FACTOR I=1 WIND PRESSURE P=1/2 PSF UNDIAPHRAGMED GOFI=1 @ 25
- SEISMIC LOADS:
  - SEISMIC HAZARD EXPOSURE GROUP: B
  - AV = 0.08
  - AS = 0.05
  - SEISMIC PERFORMANCE CATEGORY: C
  - RESPONSE MODIFICATION FACTOR: R = 3
  - DEFLECTION AMPLIFICATION FACTOR: Cd = 3.0
- UNO - UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY CONDITIONS DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS AND SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY CONDITIONS THAT PREVENT CONTRACTOR'S COMPLETION OF THE WORK AS SHOWN ON THE DRAWINGS.
- THIS PROJECT INVOLVES AN ADDITION TO AN EXISTING STRUCTURE. DIMENSIONS SHOWN ON THE DRAWINGS ARE BELIEVED TO BE ACCURATE BUT CANNOT BE GUARANTEED. MEASURE AND VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND CONSTRUCTION.

INKHAM & OBER

CONSULTING ENGINEERS & ARCHITECTS

551 CONGRESS ST. PORTLAND, ME 04101

TEL: 603-866-8800

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TEL: 603-866-8800

MAINE ORTHOPAEDICS CENTER

FROST STREET, PORTLAND, MAINE

DATE: SEPT. 2007

PROJECT NUMBER: 04337

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

DRAWN: HUB

CHECKED: JAY III

REVISED:

SHEET

S3