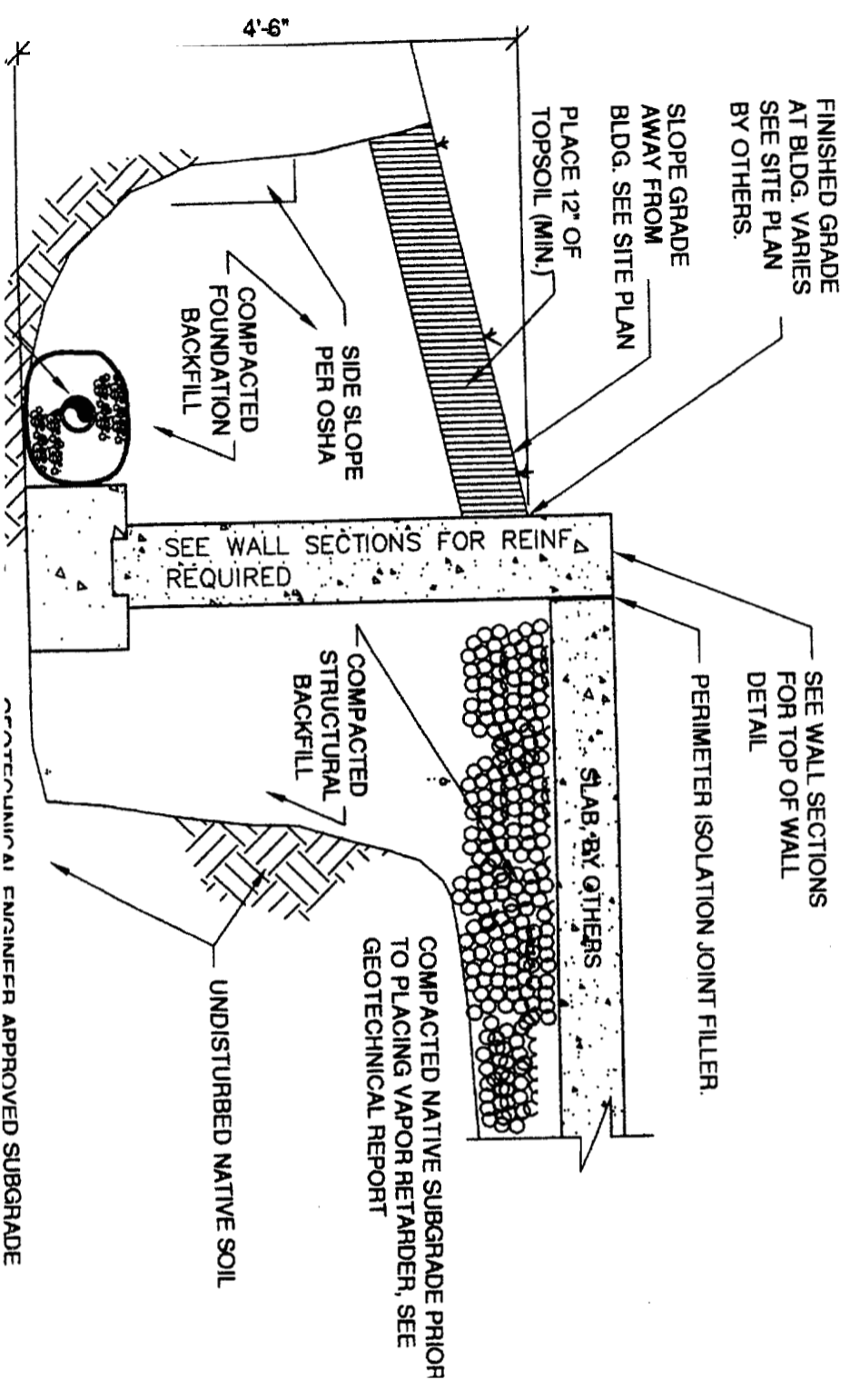


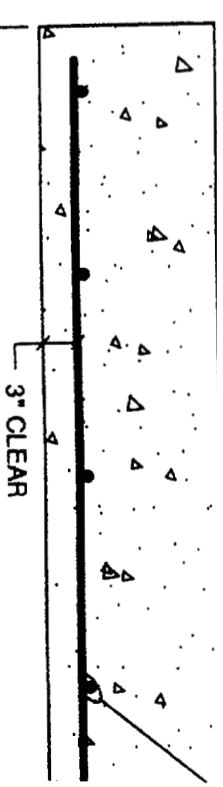
SMOOTH #6 BAR @ 12" O.C.
 PROVIDE HORIZ. BREAKER
 ON ONE SIDE

FOUNDATION WALL CONSTRUCTION JOINT DETAIL

N.T.S.

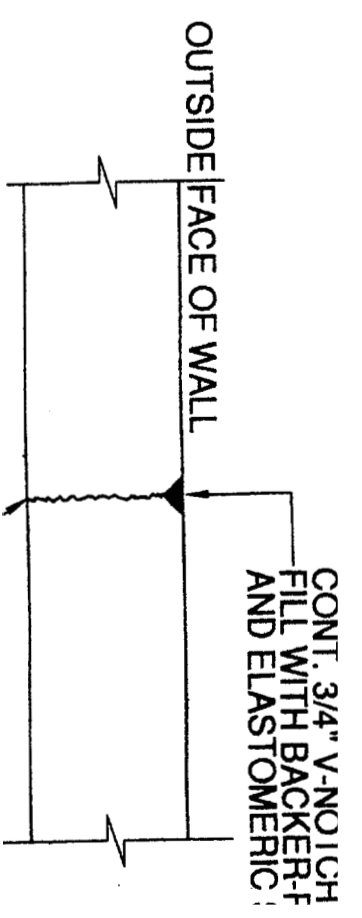


GEOTECHNICAL ENGINEER APPROVED SUBGRADE



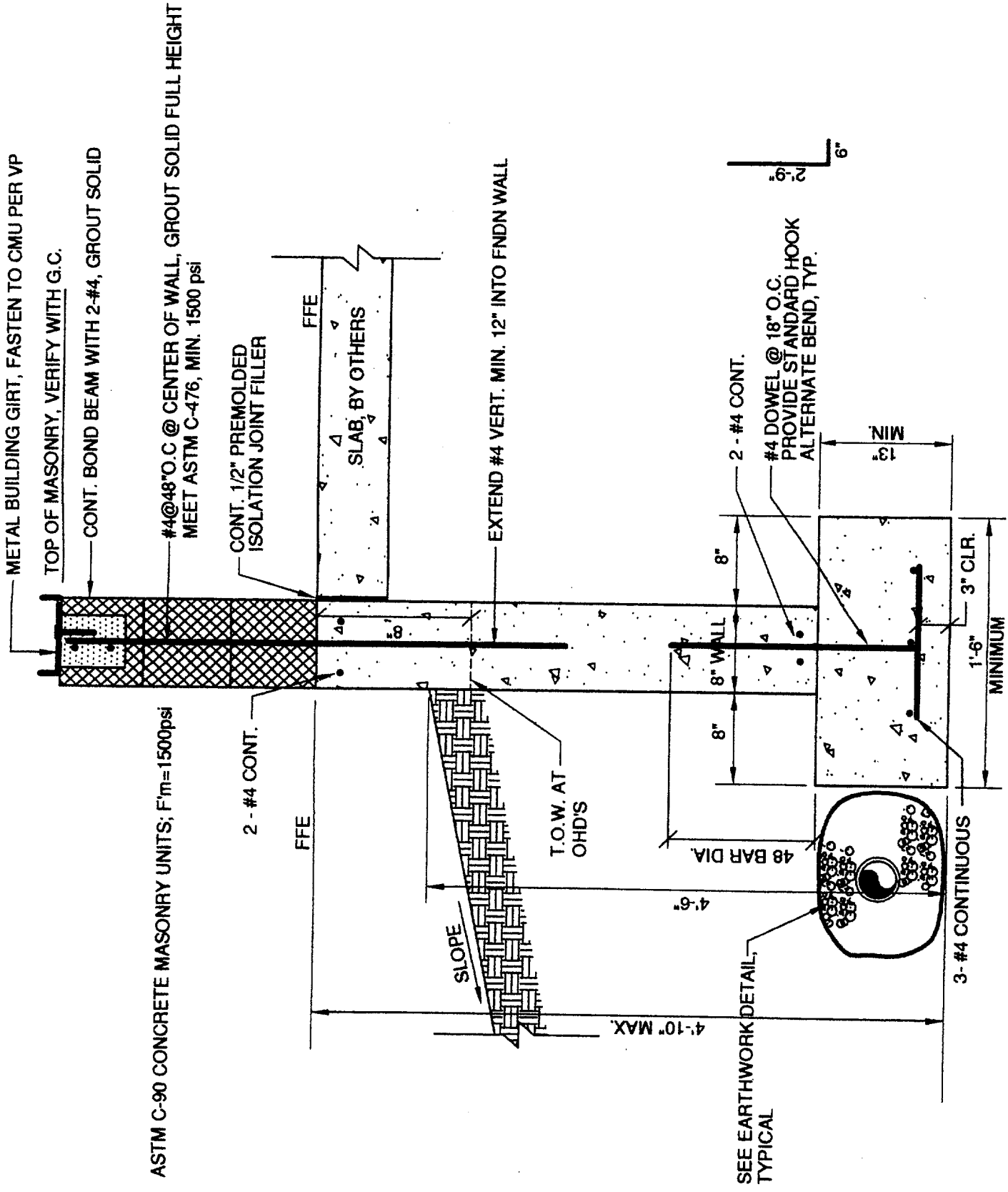
TYPICAL EXTERIOR CONCRETE PIER

N.T.S.



OUTSIDE FACE OF WALL

CONT. 3/4" V-NOTCH
 FILL WITH BACKER-F
 AND ELASTOMERIC



THIS DETAIL APPLIES WHEN FFE IS 2'-0" OR LESS ABOVE EXT. FINISH GRADE

TYPICAL FROST WALL DETAIL WITH CMU ABOVE

CONTRACTOR NOTE:
CONTRACTOR TO CONFIRM DOOR SIZE/
LOCATIONS, PIER SIZE, AND TOP OF
CONCRETE ELEVATIONS WITH FINAL
"VARCO-PRUDEN" (VP)
METAL BUILDING PLANS.

(ALL ANCHOR RODS TO BE 3/4" DIAMETER, UNLESS NOTED OTHERWISE)

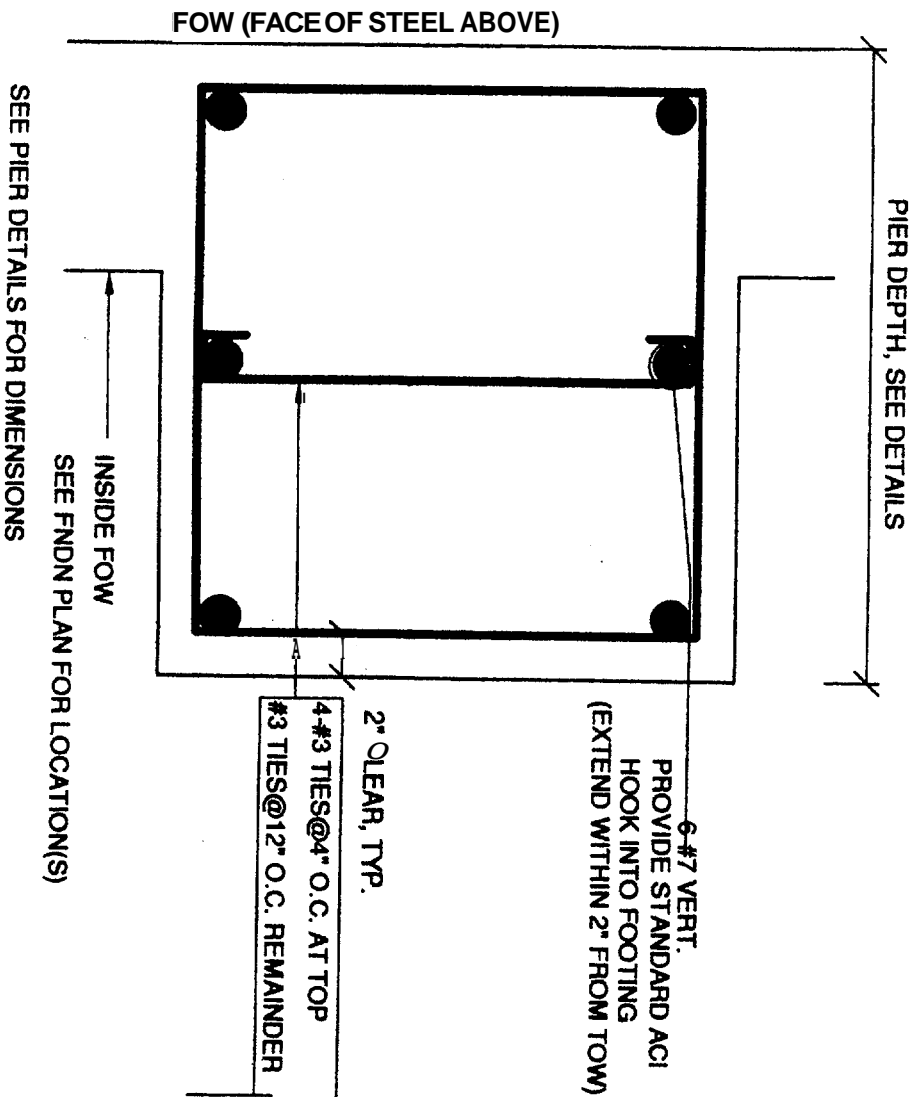
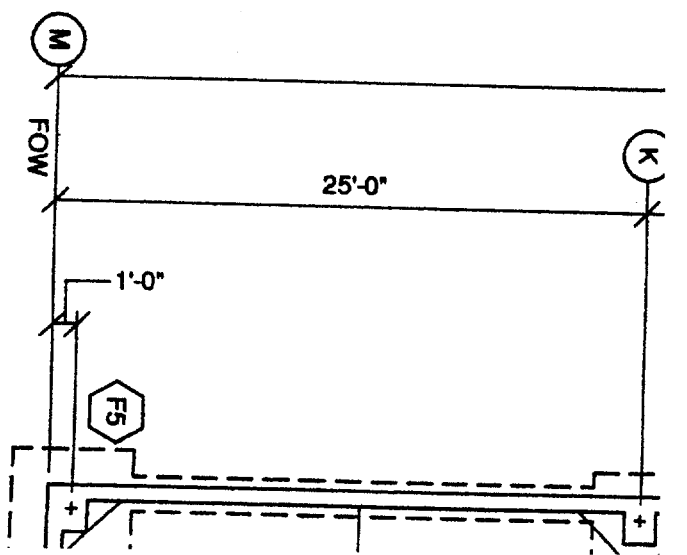
PIER DETAILS
 N.T.S.

A36 I.H. AHE
 CONTRACTOR
 OPTION

3/4" A36 T.R.	EMBEDDED NUT	SEE PIER DETAILS
3/4" A307	4" LONG HOOK 15" EMBED+3" PROJECTION	SEE PIER DETAILS

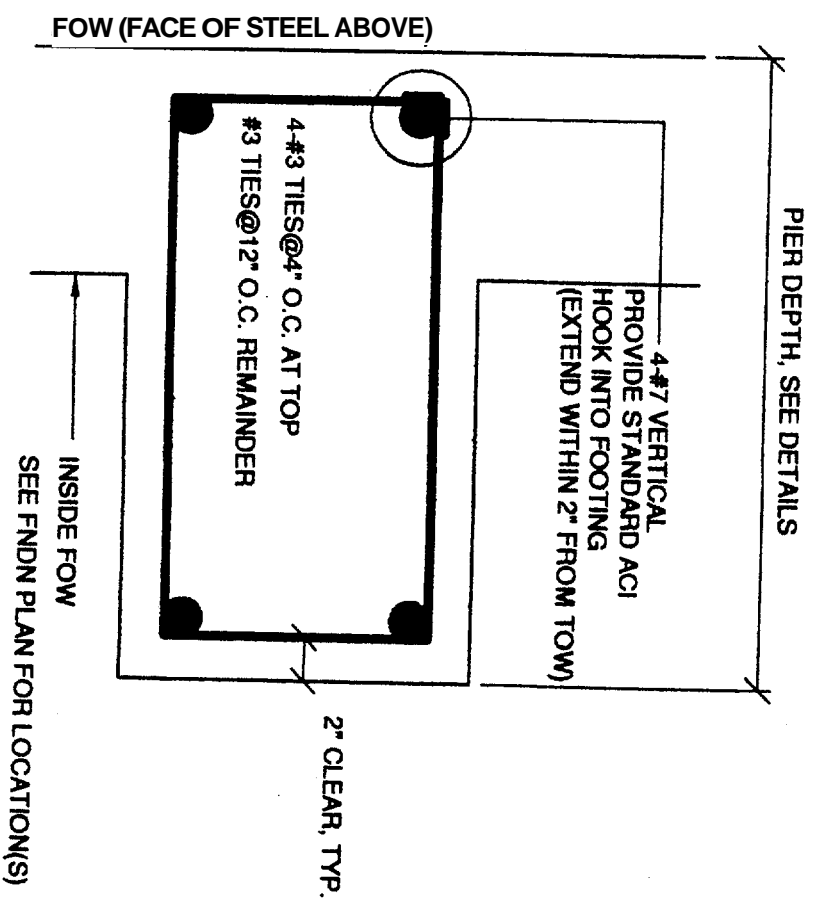
ANCHOR BOLT NOTES:

1. CONTRACTOR TO CONFIRM ANCHOR ROD LAYOUT WITH METAL BUILDING MANUF. PRIOR TO SETTING ANCHOR BOLTS.
2. ALL ANCHOR RODS TO BE 3/4" Ø ASTM F1554 A307 J-BOLT U.N.O. ON PLANS.
3. A36 THREADED RODS (T.R.) MAY BE USED IN LIEU OF J-BOLTS.
4. EMBEDMENT SHOWN IS MIN. TO "TOP" OF NUT, OR HOOK.
5. SEE VP PLANS FOR 1/2" DIA. J-BOLT REQ'S AT FRAMED OPENINGS.



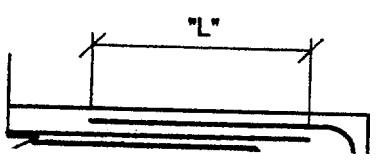
(REQUIRED 4 LOCATIONS)

TYPICAL PLAN VIEW OF PIER REINF. AT A-3, A-4, M-3, M-4
 N.T.S.

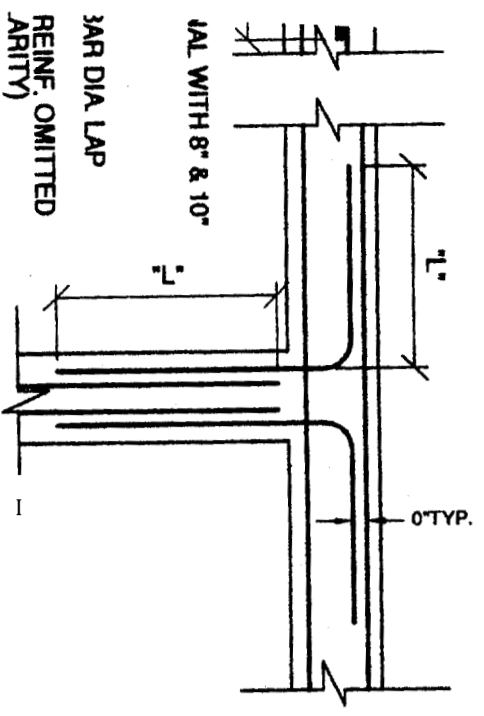
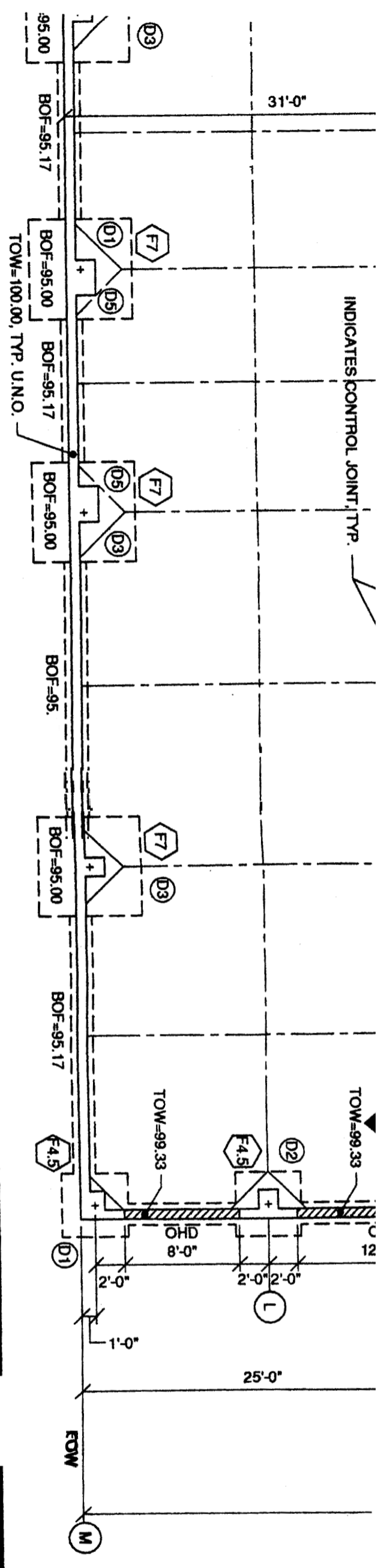


SEE PIER DETAILS FOR DIMENSIONS
 (SIMILAR AT CORNER PIER LOCATIONS)

TYPICAL PLAN VIEW OF PIER REINF.
 N.T.S.



SYMBOL	
F4	
F4.5	
F5	
F6	
F7	



REINFORCING SCHEDULE

REINFORCING REQ'D	COMMENTS
6 - #4 E.W.	BOTTOM REINFORCING
6 - #4 E.W.	BOTTOM REINFORCING
7 - #4 E.W.	TOP & BOTTOM REINFORCING
8 - #4 E.W.	TOP & BOTTOM REINFORCING
7 - #5 E.W.	TOP & BOTTOM REINFORCING

FOUNDATION NOTES:

- DESIGN MAXIMUM ASSUMED SOIL BEARING PRESSURE=2,000 PSF, TO BE VERIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
- CONCRETE: WALLS & FOOTINGS: F_c=3,000 P.S.I., 3/4" AGGREGATE, MAX. W/C=0.50, TYPE I OR II CEMENT. (USE A MID-RANGE WATER REDUCER IF MORE WORKABILITY IS DESIRED.)
- CONCRETE SUPPLIER IS TO SUBMIT MIX DESIGN(S) TO ENGINEER OF RECORD FOR EACH TYPE OF CONCRETE TO BE USED. REINFORCING TO BE GRADE 60, NEW DEFORMED BARS. WELDED WIRE FABRIC (WWF) TO MEET ASTM A185.
- ALL FOUNDATION WALLS ARE 8" WIDE, UNLESS NOTED OTHERWISE ON PLANS.
- UNLESS NOTED ON PIER DETAILS, ALL ANCHOR RODS ARE 3/4" DIA. ASTM F1554 A307 J-BOLT WITH 4" LONG HOOK, MIN. 15" EMBEDMENT.
- ALL FRAME AND WALK DOOR OPENINGS TO BE FIELD LOCATED.
- G.C. TO VERIFY AND COORDINATE ALL LOCATIONS OF OVERHEAD DOORS (OHD), PEOPLE DOORS, AND LOADING DOCKS.
- REF. ELEV. TOP OF FOUNDATION WALL = 100.0 FT, TYP. UNLESS NOTED OTHERWISE THUS "TOW=" REF. ELEV. TOP OF PIER = 100.0 FT, TYP. UNLESS NOTED OTHERWISE THUS "TOP=" REFERENCE BOTTOM OF WALL FOOTING ELEVATION = 95.17 FT, TYPICAL U.N.O. THUS "BOF="
- ALL EXTERIOR FOOTINGS SHALL EXTEND A MINIMUM 4'-6" BELOW FINISH GRADE, UNLESS GEOTECHNICAL ENG. REQUIRES MORE.
- ALL FOOTINGS TO BE CENTERED BELOW COLUMN BASE ABOVE.
- ALL SLAB SAW-CUT CONTROL JOINTS TO BE CUT IMMEDIATELY AFTER FINISHING.
- ALL SLABS TO BE WET-CURED CONTINUOUSLY MINIMUM 7 DAYS AFTER PLACEMENT.
- SEE "VP" PLANS FOR ANCHOR ROD LOCATION, ORIENTATION, AND SIZE.
- REFER TO PROJECT GEOTECHNICAL ENGINEERING REPORT FOR ALL FOUNDATION, DRAINAGE, COMPACTION, BACKFILL, AND SUB-GRADE PREPARATION REQUIREMENTS.
- G.C. TO DETERMINE SLAB PITCH REQUIREMENTS AND FIELD COORDINATE.
- ALL SUB-SLAB STRUCTURAL FILL TO BE COMPACTED TO A MINIMUM OF 95% AS DETERMINED BY ASTM D-1557, UNLESS SPECIFIED DIFFERENTLY BY PROJECT GEOTECHNICAL ENGINEER.
- CONTRACTOR TO COMPLY WITH LATEST PROVISIONS OF ACI 305 AND ACI 306 FOR HOT AND COLD WEATHER CONCRETING.
- CONTRACTOR TO COMPLY WITH LATEST PROVISIONS OF ACI 304 FOR CONCRETE PLACEMENT.
- SLAB AND VAPOR BARRIER DESIGN BY OTHERS.
- CONTRACTOR TO SUBMIT DETAILED REINFORCING SHOP DRAWINGS TO SRG FOR REVIEW PRIOR TO CONSTRUCTION.

FOUNDATION PLAN AND DETAILS

BIO PROCESSING, INC.
PORTLAND, MAINE

FOR

PATCO CONSTRUCTION CO., INC.
SANFORD, MAINE



P.O. BOX 925
GRAY, ME 04039
TEL: 207 657-7323
(207)
FAX: 207 657-7323

PROJECT NO. 05-124
EOR SRG
DESIGN SRG
CH. S

DATE	SCALE
10-26-05	AS NOTED

SHEET S1 OF 22

**ISSUED FOR
CONSTRUCTION**

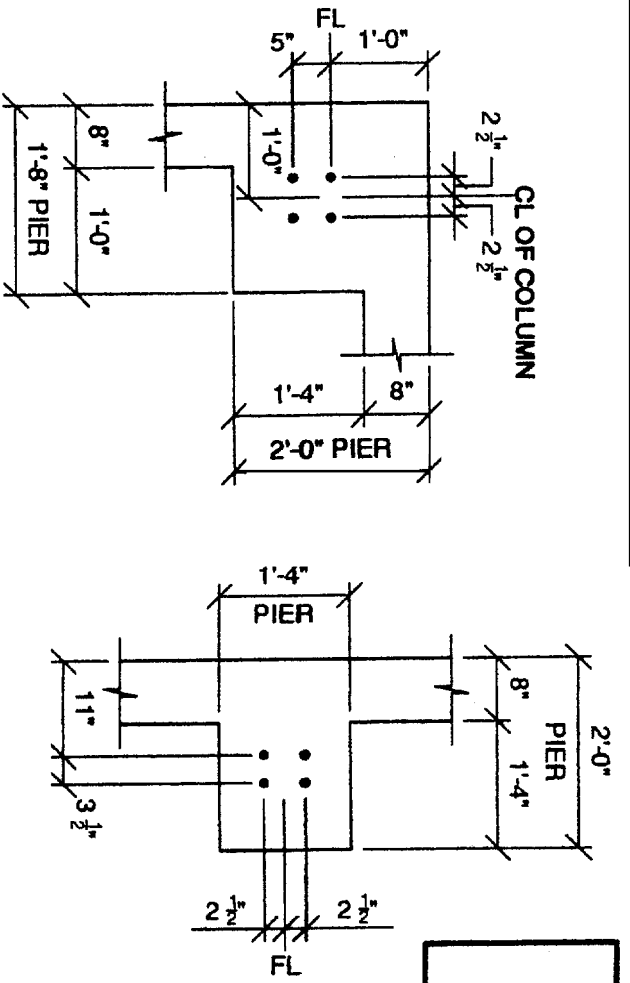
(SEE SHEET S2 OF 3 FOR ANCHOR BOLT DETAILS)

FOUNDATION PLAN

SCALE: 1/8"=1'-0"

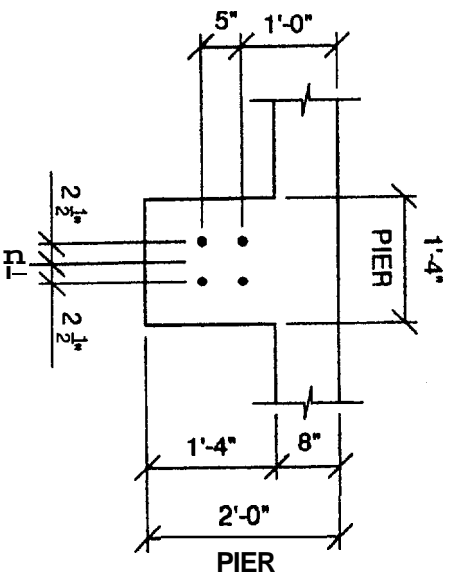
CONTRACTOR NOTE:

ALL COLUMN PIERS ARE DESIGNED FOR HORIZONTAL THRUST BY COLUMN. AS A RESULT, ELEVATION BOTTOM OF FOOTING LOWER THAN INDICATED IS NOT ACCEPTABLE. CONTACT SRG ENGINEERING SO ALL FOUNDATIONS CAN BE REDESIGNED SHOULD ELEVATION BOTTOM OF FOOTING(S) NEED TO BE LOWER.

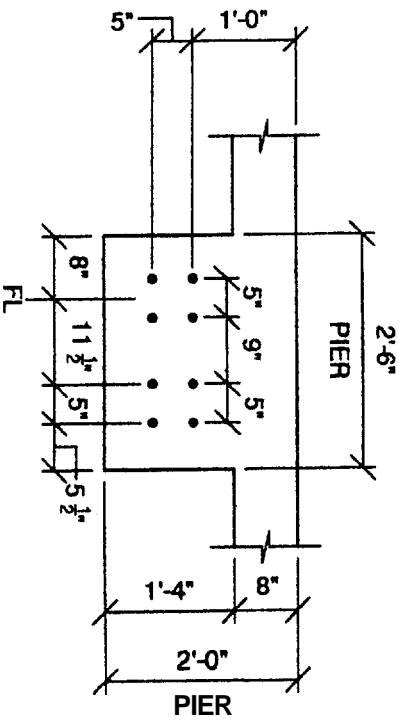


D1

D2

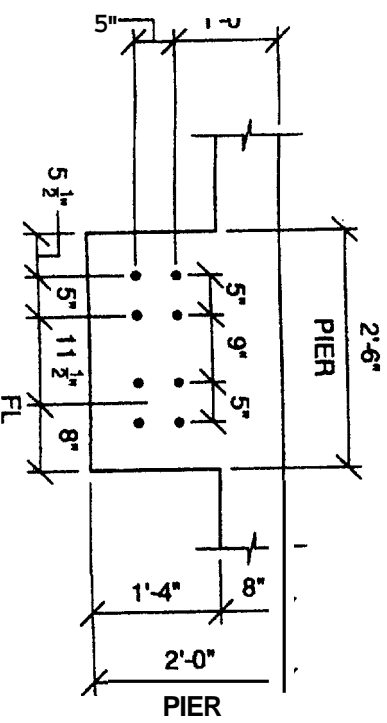


D3



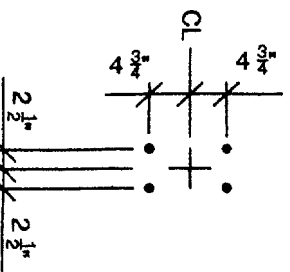
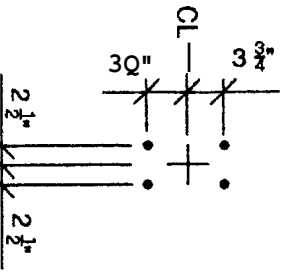
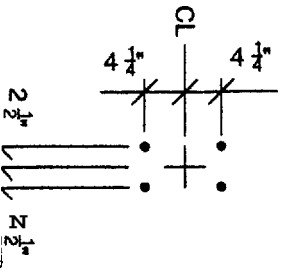
D1

D5

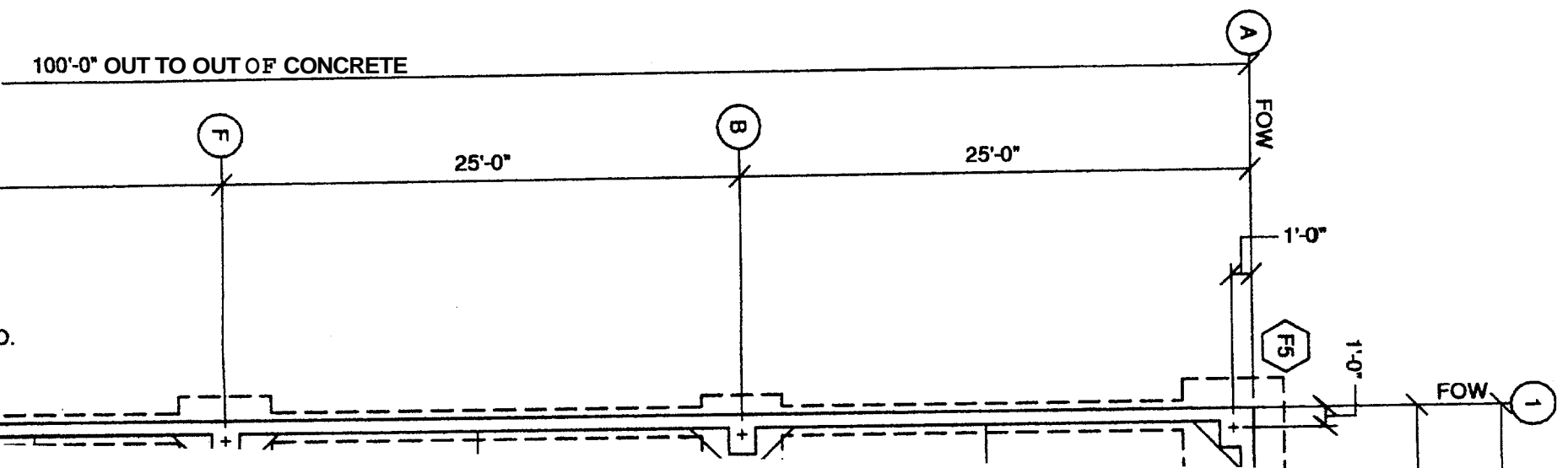


D5

D3

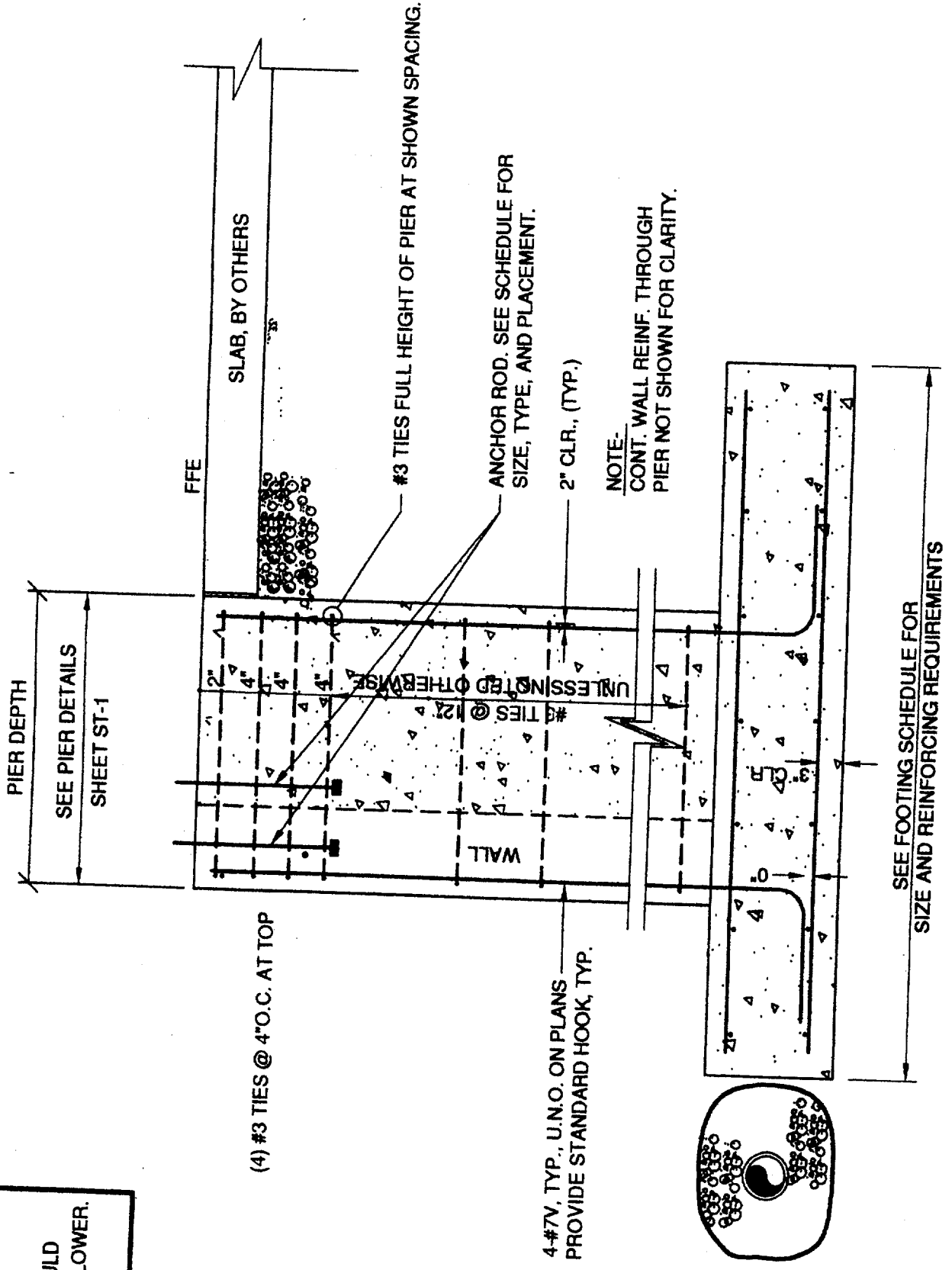


100'-0" OUT TO OUT OF CONCRETE



TRACTOR NOTE:

RS ARE DESIGNED FOR HORIZONTAL
 UMN. AS A RESULT, ELEVATION
 YTING LOWER THAN INDICATED IS
 E. CONTACT SRG ENGINEERING
 TIONS CAN BE REDESIGNED SHOULD
 (OM OF FOOTING(S) NEED TO BE LOWER.



(WWF NOT SHOWN FOR CLARITY)

TYPICAL WALL PIER

SECTION **3**
 N.T.S. **S1**

FOUNDATION DETAILS AND SECTIONS

OF
BIO PROCESSING, INC.
 PORTLAND, MAINE

FOR
PATCO CONSTRUCTION CO., INC.
 SANFORD, MAINE

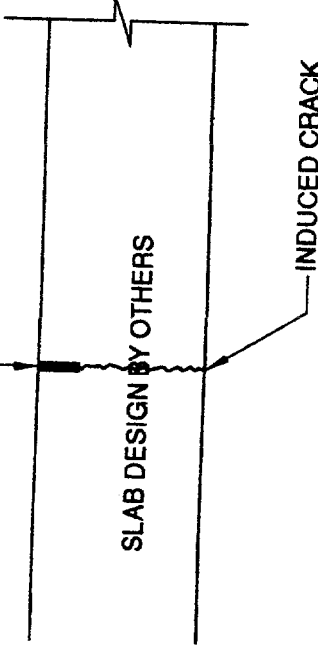
DATE	SCALE
10-26-05	NTS

SHEET S2 OF 2

SRG ENGINEERING, LLC
 CONSULTING STRUCTURAL ENGINEERS
 P.O. BOX 925
 GRAY, ME 04039
 TEL: (207) 657-7323
 FAX: (207) 657-7342
 EMAIL: SRG@SRGENG.COM

PROJECT NO.	EOR	DESIGN	CHKD
05-124	SRG	SRG	SRG

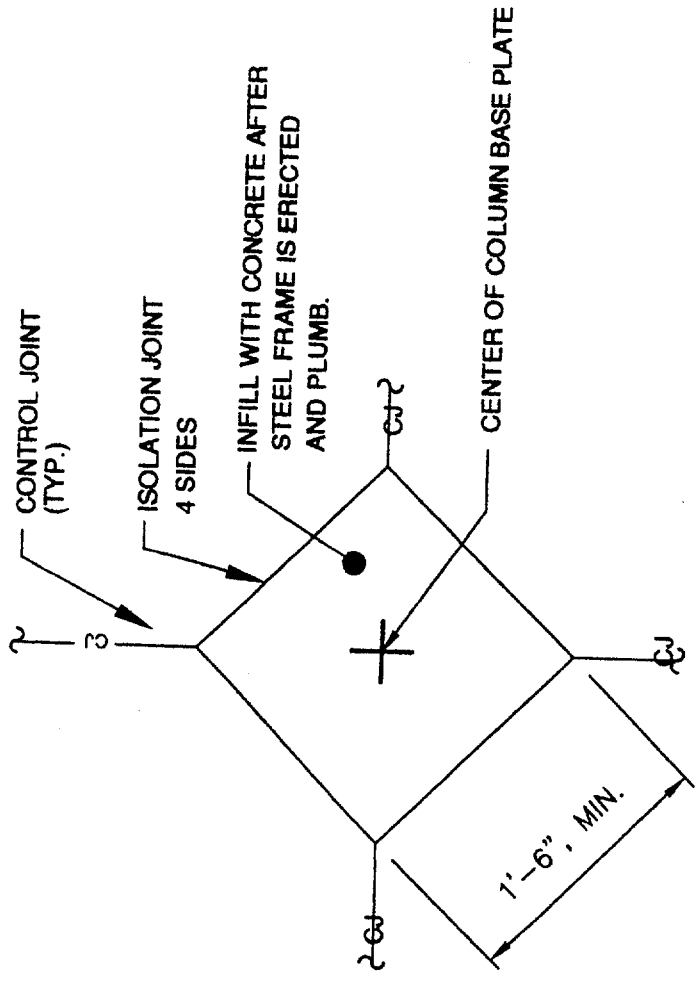
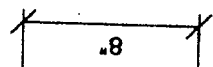
CONT. SAW-CUT 1/8" x 1/4 SLAB THICKNESS USING
 "SOFT-CUT" SAW, FILL WITH SEALANT.
 (USE EPOXY BASE SEALANT FOR INDUSTRIAL USE SLABS,
 USE NON-SHRINK GROUT AT SLABS TO BE COVERED
 WITH TILE, CARPETING, ETC.)



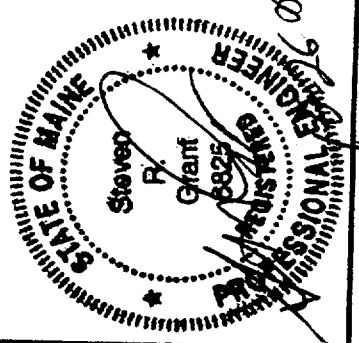
W-CUTS TO BE MADE IMMEDIATELY AFTER FINISHING)

LAB CONTROL JOINT DETAIL

12" O.C. E.
 JM



**ISSUED FOR
 CONSTRUCTION**



BY:	DATE:	STATUS:

SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SRG ENGINEERING, INC. ANY ALTERATIONS, OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SRG ENGINEERING, INC.

