

STRUCTURAL NOTES

1010 GENERAL NOTES:
 STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
 DRAWINGS SHALL NOT BE SCALED. REFER TO DIMENSIONAL INFORMATION PROVIDED OR CONTACT THE ENGINEER OR ARCHITECT FOR CLARIFICATION.
 ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. BY USE OF THESE PLANS, THE CONTRACTOR AGREES TO ASSUME FULL LIABILITY AND ANY COST ASSOCIATED WITH NON COMPLIANCE WITH THIS PARAGRAPH.

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS AND TIEDOWNS.

WORK SHALL CONFORM TO ALL APPLICABLE STATE, COUNTY AND CITY ORDINANCES/CODES.

THE DESIGN PROFESSIONAL WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

1120 SHOP DRAWING REVIEW:
 SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC.

ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.

SHOP DRAWING SUBMITTALS SHALL INCLUDE ONE ORIGINAL AND THREE SETS OF BLUEPRINTS. ONE SET OF PRINTS WILL BE RETURNED BY THE ARCHITECT, ONE BY THE LOCAL BUILDING DEPARTMENT (WHERE REQUIRED) AND THE CONTRACTOR SHALL MAKE PRINTS FROM THE ORIGINALS AS REQUIRED FOR DISTRIBUTION.

IN ALL INSTANCES THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER.

1061 DESIGN LOADS:
 THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2010 EDITION USING THE FOLLOWING SUPERIMPOSED LOADS:

ROOF:
 LIVE LOAD.....20PSF (REDUCED AS ALLOWED PER CODE)
 COLLATERAL LOAD.....10 PSF (INCLUDES 3 PSF FOR SPRINKLER SYSTEM)

WIND: ASCE 7-10
 VULT=166, VASD=130 RISK CATEGORY 2
 PARTIALLY ENCLOSED BUILDING, EXPOSURE C
 INTERNAL PRESSURE COEFFICIENT ± 0.55

1071 CONSTRUCTION OBSERVATIONS:
 THE CONTRACTOR SHALL CONTACT LIEBL & BARROW ENGINEERING, INC. TO OBSERVE THE FOLLOWING (WITH 48 HOURS NOTICE):

1. FOOTINGS AND SLABS (2 VISITS)
2. PUSH WALLS
3. UPPER BEAMS ON PUSH WALLS
4. RIGID FRAMES & ROOF PURLINS (2 VISITS)

CONSTRUCTION OBSERVATION IS A VISUAL OBSERVATION OF MATERIALS AND WORK IN PROGRESS TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS AND DESIGN CONCEPT. THIS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES.

LIEBL & BARROW ENGINEERING, INC. DOES NOT HAVE CONTROL OVER, AND IS NOT RESPONSIBLE FOR, SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK FOR THIS PROJECT. THOSE FUNCTIONS ARE THE CONTRACTORS RESPONSIBILITY.

1121 SHOP DRAWINGS FOR SPECIALTY ENGINEERED PRODUCTS:
 THE FOLLOWING SYSTEMS AND COMPONENTS REQUIRE THE FABRICATION AND ERECTION DRAWINGS PREPARED BY A DELEGATED ENGINEER:

PRE-ENGINEERED BUILDINGS.

SUBMITTALS SHALL IDENTIFY THE PROJECT, APPLICABLE CODES AND LIST THE DESIGN CRITERIA. SUBMITTALS SHALL ALSO SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION. CALCULATIONS AND SHOP DRAWINGS SHALL IDENTIFY SPECIFIC PRODUCT UTILIZED. GENERIC PRODUCTS WILL NOT BE ACCEPTED.

SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE DELEGATED ENGINEER.

SHOP DRAWINGS AND CALCULATIONS REQUIRE THE IMPRESSED SEAL, DATE AND SIGNATURE OF THE DELEGATED ENGINEER. COMPUTER PRINTOUTS ARE AN ACCEPTABLE SUBSTITUTE FOR MANUAL COMPUTATIONS PROVIDED THEY ARE ACCOMPANIED BY SUFFICIENT DESCRIPTIVE INFORMATION TO PERMIT THEIR PROPER EVALUATION. SUCH DESCRIPTIVE INFORMATION SHALL BEAR THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER AS AN INDICATION THE HE/SHE HAS ACCEPTED RESPONSIBILITY FOR THE RESULTS. ORIGINALS DO NOT REQUIRE SIGNATURE AND SEAL. THE STRUCTURAL ENGINEER WILL RETAIN ONE SIGNED AND SEALED BLUELINE PRINT FOR RECORD.

DRAWINGS PREPARED SOLELY TO SERVE AS A GUIDE FOR FABRICATION AND INSTALLATION (SUCH AS REINFORCING STEEL SHOP DRAWINGS OR STRUCTURAL STEEL ERECTION DRAWINGS) AND REQUIRING NO ENGINEERING DO NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.

CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT REQUIRE THE SEAL OF A DELEGATED ENGINEER.

REVIEW BY THE STRUCTURAL ENGINEER OF RECORD OF SUBMITTALS IS LIMITED TO VERIFYING THE FOLLOWING:

- A. THAT THE SPECIFIED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED.
- B. THAT THE STRUCTURAL SUBMITTALS HAVE BEEN SIGNED AND SEALED BY THE DELEGATED ENGINEER.
- C. THAT THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND HAS USED THE SPECIFIED STRUCTURAL CRITERIA (NO DETAILED CHECK OF CALCULATIONS WILL BE MADE).
- D. THAT THE CONFIGURATION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONTRACT DOCUMENTS. (NO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE).

SUBMITTALS NOT MEETING THE ABOVE CRITERIA WILL NOT BE REVIEWED.

2011 FOUNDATIONS:
 SEE THE FOLLOWING REPORT FOR COMPLETE GEOTECHNICAL RECOMMENDATIONS AND INSTALLATION PROCEDURES. SITE PREPARATION AND FOUNDATION INSTALLATION SHALL COMPLY WITH THE FOLLOWING:

REPORT NO: 12GY130
 PREPARED BY: YPC CONSULTING GROUP
 TITLED: GEOTECHNICAL EXPLORATION AND ENGINEERING SERVICES REPORT CONDUCTED FOR PROPOSED CITY OF NAPLES RECYCLE TRANSFER FACILITY DATED MAY 30, 2012
 &
 SUPPLEMENTAL GEOTECHNICAL ENGINEERING SERVICES REPORT PROPOSED CITY OF NAPLES RECYCLE TRANSFER FACILITY DATED JUNE 15, 2012

FOUNDATION DESIGN IS BASED ON A SOIL BEARING PRESSURE OF 2,500 PSF.

THE CONTRACTOR SHALL SUBMIT FOUNDATION DRAWINGS TO GEOTECHNICAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.

GEOTECHNICAL REPORT REQUIRES GEOTEXTILE PRODUCT BELOW BUILDING.

3302 CONCRETE:
 CONCRETE SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE'S BUILDING CODE REQUIREMENTS (ACI 318) AND HOT WEATHER CONCRETING REQUIREMENTS (ACI 305).
 MATERIALS:
 CEMENT: ASTM C150 TYPE I
 AGGREGATE: ASTM C33
 WATER: CLEAN, POTABLE, WITH NO DELETERIOUS MATERIALS
 REINFORCING STEEL: ASTM A615 GRADE 60
 WELDED WIRE FABRIC: ASTM A185 IN FLAT MANUFACTURED SHEETS
 STRUCTURAL STEEL PLATES: ASTM A36
 ANCHOR BOLTS: ASTM A36 OR A307

SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND WORKABLE MIX:
 5000 PSI FOR SLAB AT SORTING FLOOR.
 4000 PSI FOR ALL OTHER STRUCTURAL CONCRETE.

CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI STANDARDS AND SPECIFICATIONS.

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE):
 FOOTINGS: 3" BOTTOM AND SIDES, 2" TOP

ALL REINFORCING BARS SHALL BE LAPPED PER A.C.I. 318 INCLUDING TOP BAR FACTOR, BUT SHALL NOT BE LESS THAN 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.

WELDED WIRE FABRIC SHALL BE LAPPED ONE SPACE PLUS 2 INCHES. VAPOR BARRIER SHALL BE LAPPED 6 INCHES AND TAPED.

LONGITUDINAL BARS IN FOOTINGS AND SLABS ARE CONTINUOUS UNLESS NOTED OTHERWISE.

MAINTAIN COVER DURING CONCRETE PLACEMENT AND CONSOLIDATE BY INTERNAL VIBRATION.

CONCRETE SLAB AT SORTING FLOOR AND STORAGE FLOOR SHALL BE HARDENED WITH A DRY SHAKE FLOOR HARDENER SUCH AS SURFLEX BY EUCLID CHEMICAL COMPANY, 19218 REDWOOD ROAD CLEVELAND, OH 33110 OR APPROVED EQUAL. RATE = 1#/sq

3601 CHEMICAL (ADHESIVE) ANCHORS:
 SHALL BE AN EQUAL TWO PART EPOXY POLYMER INJECTION SYSTEM, SUCH AS RED-HEAD EPCON, SIMPSON SET EPOXY, OR HILTI HSE2411 EPOXY DOWELING SYSTEM, OR ENGINEER APPROVED SUBSTITUTION, INSTALLED IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS. INSTALLERS SHALL BE TRAINED BY THE MANUFACTURER'S REPRESENTATIVE. MINIMUM EMBEDMENT SHALL BE TWELVE (12) TIMES FASTENER DIAMETER UNLESS NOTED OTHERWISE.

5101 STRUCTURAL STEEL:
 FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," LATEST EDITION.

ALL MISCELLANEOUS OR STRUCTURAL STEEL AND FASTENERS EXPOSED TO WEATHER SHALL BE GALVANIZED (90 MIN) OR STAINLESS STEEL. ALL OTHER STRUCTURAL STEEL SHALL BE SHOP PRIMED WITH RED OXIDE PAINT, UNLESS NOTED OTHERWISE IN ARCHITECTURAL SPECIFICATIONS. ANY DAMAGED GALVANIZING OR PAINT SHALL BE RECOATED IN THE FIELD.

5110 SHEAR STUD CONNECTORS:
 SHEAR STUD CONNECTORS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE", SECTION 7 - STUD WELDING. STUDS SHALL BE TYPE 'B', HEADED STUDS HAVING A MINIMUM TENSILE STRENGTH OF 60,000 PSI, AND SHALL BE OF LENGTH AND DIAMETER SHOWN ON STRUCTURAL DRAWINGS.

5111 WELDING:
 ALL WELDING SHALL CONFORM TO AWS SPECIFICATIONS, LATEST EDITION.

WELDING SHALL BE DONE BY WELDERS WITH CERTIFICATION USING E70XX SERIES ELECTRODES FOR SHOP WELDING A36 STEEL, AND E70XX SERIES LOW HYDROGEN ELECTRODES FOR ALL WELDING OF HIGH STRENGTH STEELS AND FOR FIELD WELDING.

13120 PRE-ENGINEERED METAL BUILDING:
 THE PRE-ENGINEERED METAL BUILDING STRUCTURAL SYSTEM SHALL CONSIST OF ROOF DECK, RIGID FRAMES, WALL SHEATHING, AND BRACING. DEVIATION FROM BAY SPACING SHOWN ON THE PLANS SHALL NOT BE PERMITTED TO SUIT MANUFACTURERS STANDARDS.

THE SYSTEM SHALL BE DESIGNED AND DETAILED BY THE MANUFACTURER TO SUSTAIN THE DESIGN LOADS SPECIFIED. THE DESIGN SHALL BE IN ACCORDANCE WITH AISC AND AISI SPECIFICATIONS AND MBMA "METAL BUILDING SYSTEMS MANUAL" DESIGN PRACTICES, LATEST ISSUES.

THE MANUFACTURER SHALL BE REGULARLY ENGAGED IN METAL BUILDING DESIGN AND MANUFACTURING. CURRENT MBMA MEMBERS ARE APPROVED, OTHERS SHALL SUBMIT PRODUCT DATA FOR REVIEW.

ALL COLUMNS SHALL BE DESIGNED AS PINNED AT THEIR BASES. LONGITUDINAL WIND BRACING SHALL BE DESIGNED TO TRANSFER LOADS TO THE FOUNDATIONS. MAXIMUM ALLOWABLE LATERAL DRIFT DUE TO WIND IS H/180. PORTAL FRAMES ARE REQUIRED TO BRACE BUILDING - SEE PLAN.

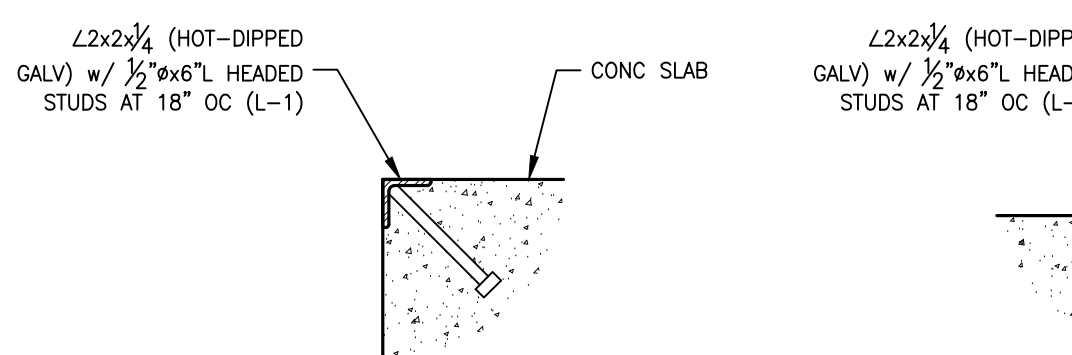
IF METAL BUILDING REACTIONS EXCEED ASSUMED REACTIONS INDICATED ON THIS SHEET, FOUNDATION REDESIGNED IS REQUIRED.

SEE ARCH DRAWINGS AND SPECIFICATIONS FOR PAINT REQUIREMENTS FOR METAL BUILDING FRAMING.

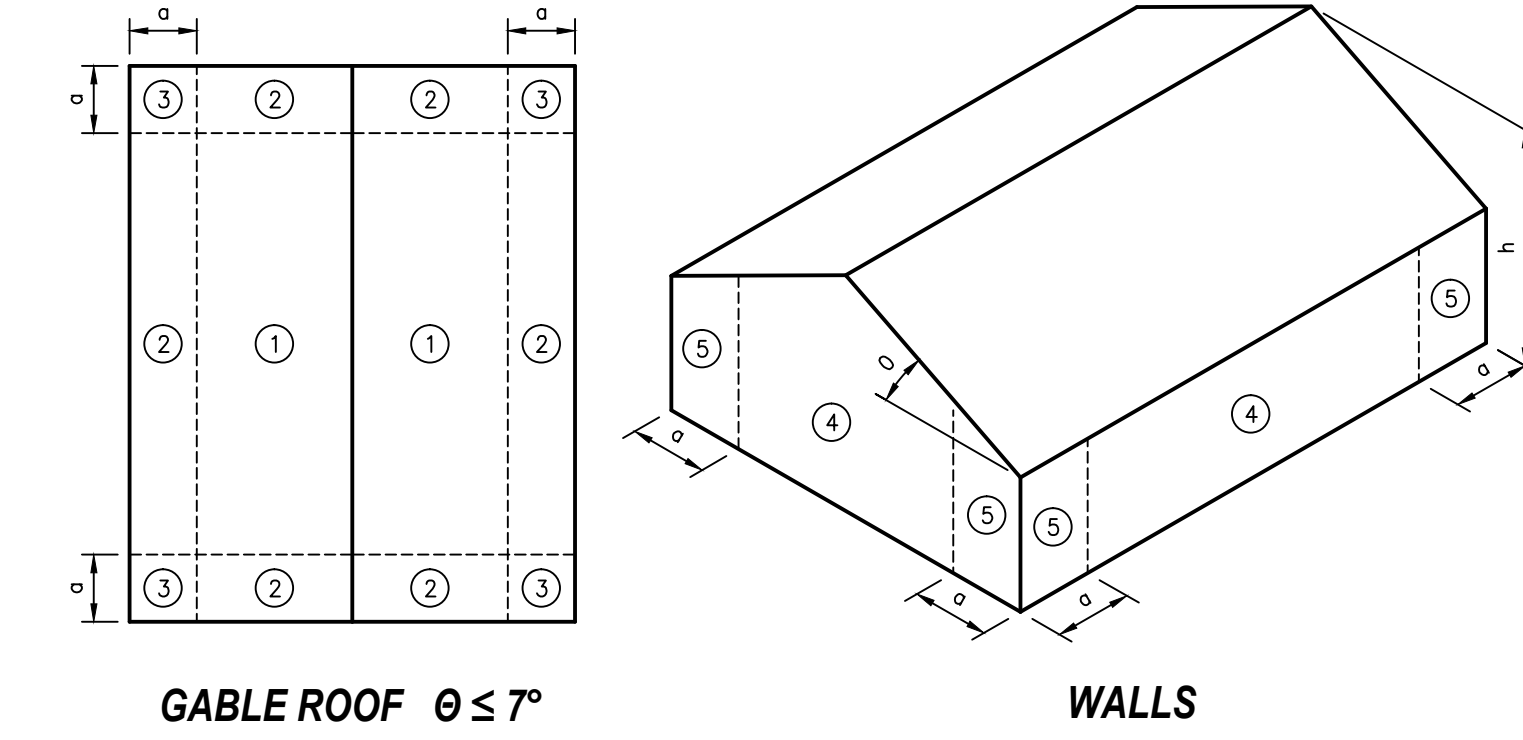
TENSION LAP SPLICE (CLASS B)
f'c = 4000 or 5000 PSI fy = 60000 PSI

BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BAR	24"	32"	40"	48"	70"	80"	90"	102"	113"
OTHER BAR	19"	25"	31"	37"	54"	62"	70"	79"	87"

- NOTES:**
1. LAP SPLICES ARE IN ACCORDANCE WITH ACI 318-08.
 2. CLEAR SPACING OF BARS IS 2db AND CLEAR COVER IS NOT LESS THAN db OR CLEARANCES AND TIES PER ACI 318-08, SECTION 12.2.2.
 3. TOP BAR SPLICE IS REQUIRED WHERE MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW HORIZONTAL REINFORCEMENT.



SLAB/WALL EDGE DETAILS
 SCALE: 1 1/2"=1'-0"



GABLE ROOF $\theta \leq 7^\circ$

WALLS

EFFECTIVE WIND AREA = 10 SF

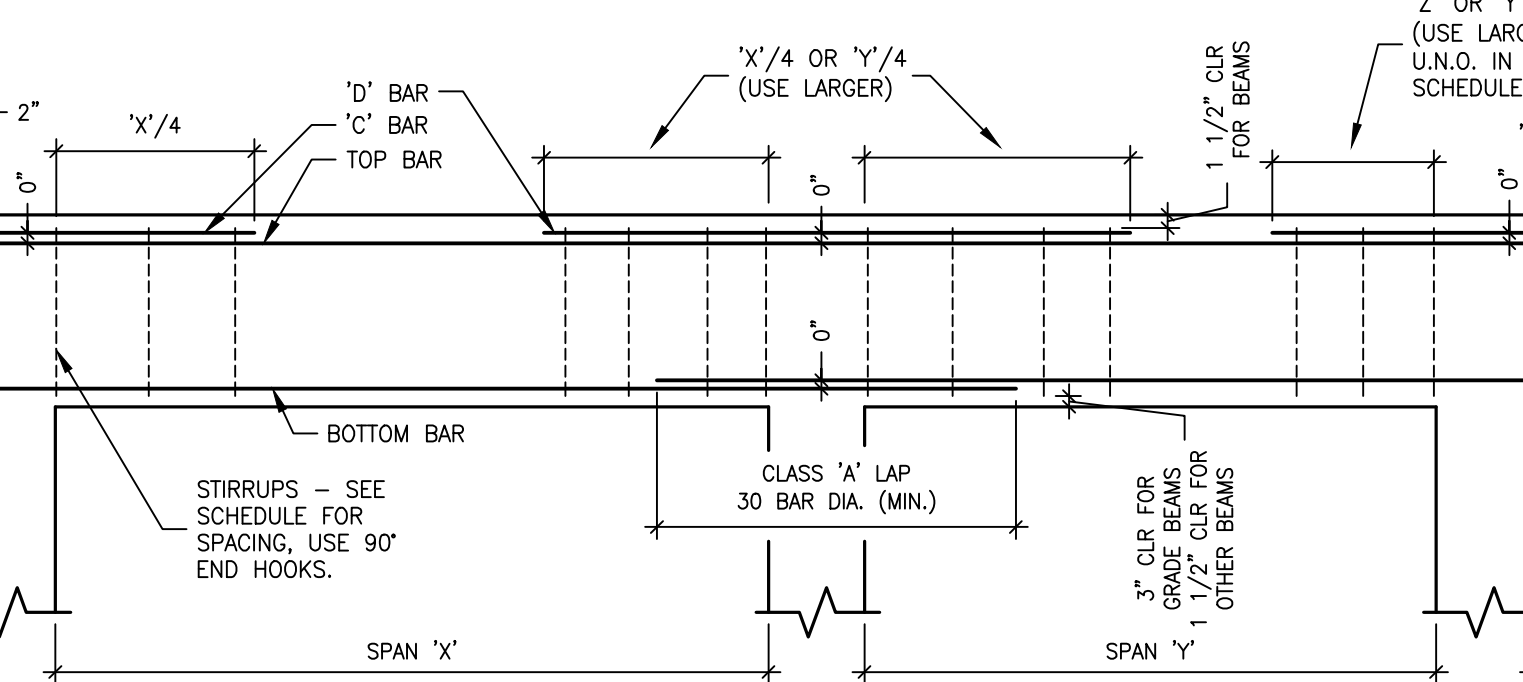
$\alpha = 8.0'$

①	+23.7, -58.0 PSF	OVERHANG: ②	-109.0 PSF
②	+23.7, -97.4 PSF	OVERHANG: ③	-186.0 PSF
③	+23.7, -146.7 PSF		
④	+58.0, -63.0 PSF		
⑤	+58.0, -77.7 PSF		

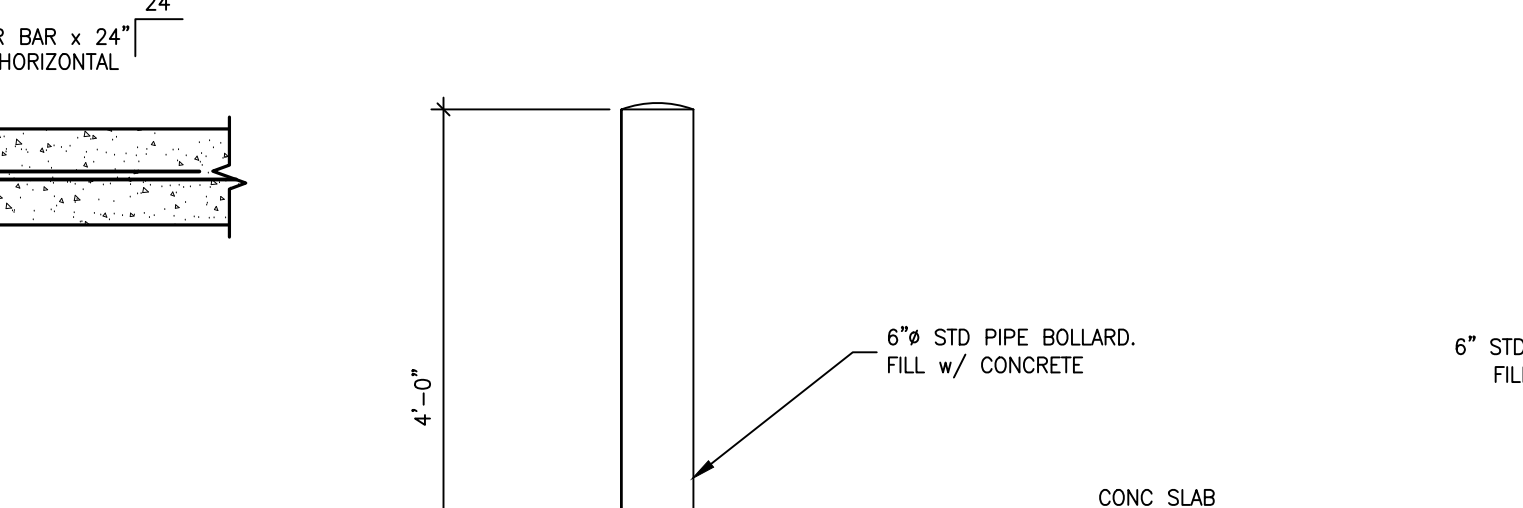
PRESSURES PER 2010 FLORIDA BUILDING CODE (ASCE 7-10, CHAPTER 26-30) FOR V_{ult}=166 MPH, VASD=130 MPH, ROOF ANGLE OF LESS THAN 7° h < 30', EXPOSURE C, PARTIALLY ENCLOSED RISK CATEGORY 2

WIND LOADING: COMPONENTS & CLADDING
 (NEGATIVE INDICATES PRESSURE ACTING AWAY FROM THE BUILDING SURFACE)

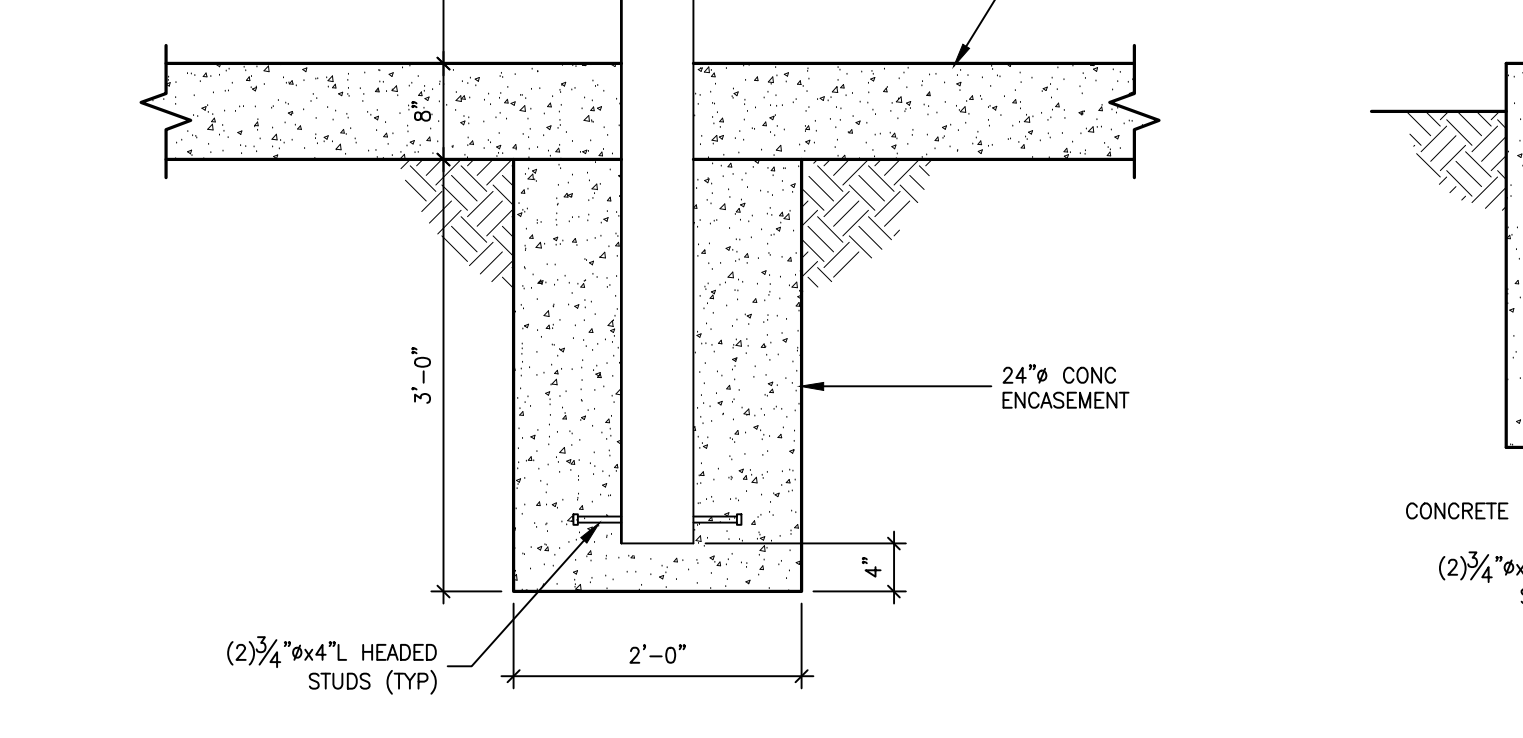
PRESSURES ARE ALLOWABLE STRESS DESIGN



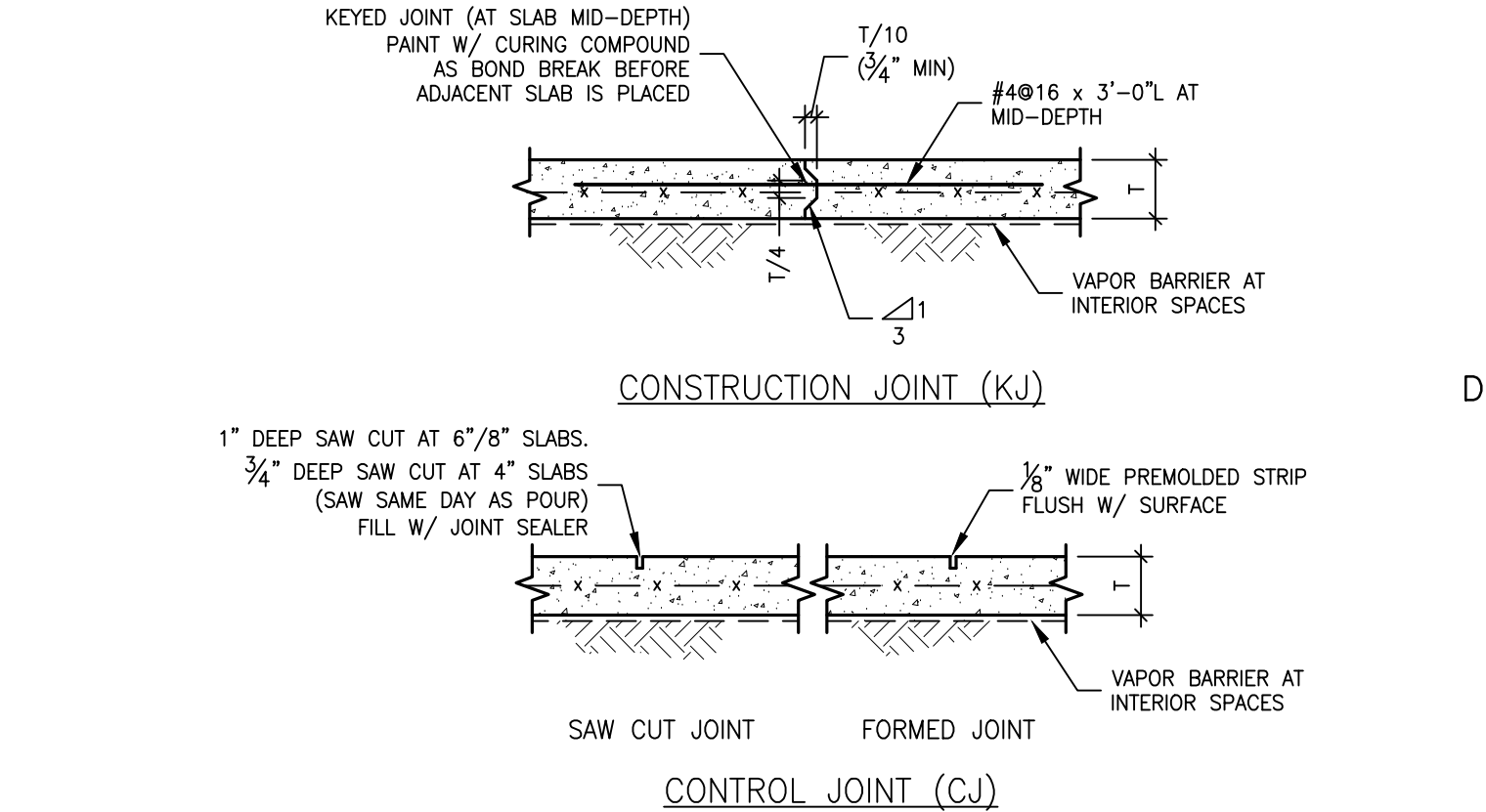
TYPICAL BENDING DIAGRAM FOR BEAMS
 SCALE: NONE



WALL CORNER DETAIL
 NTS

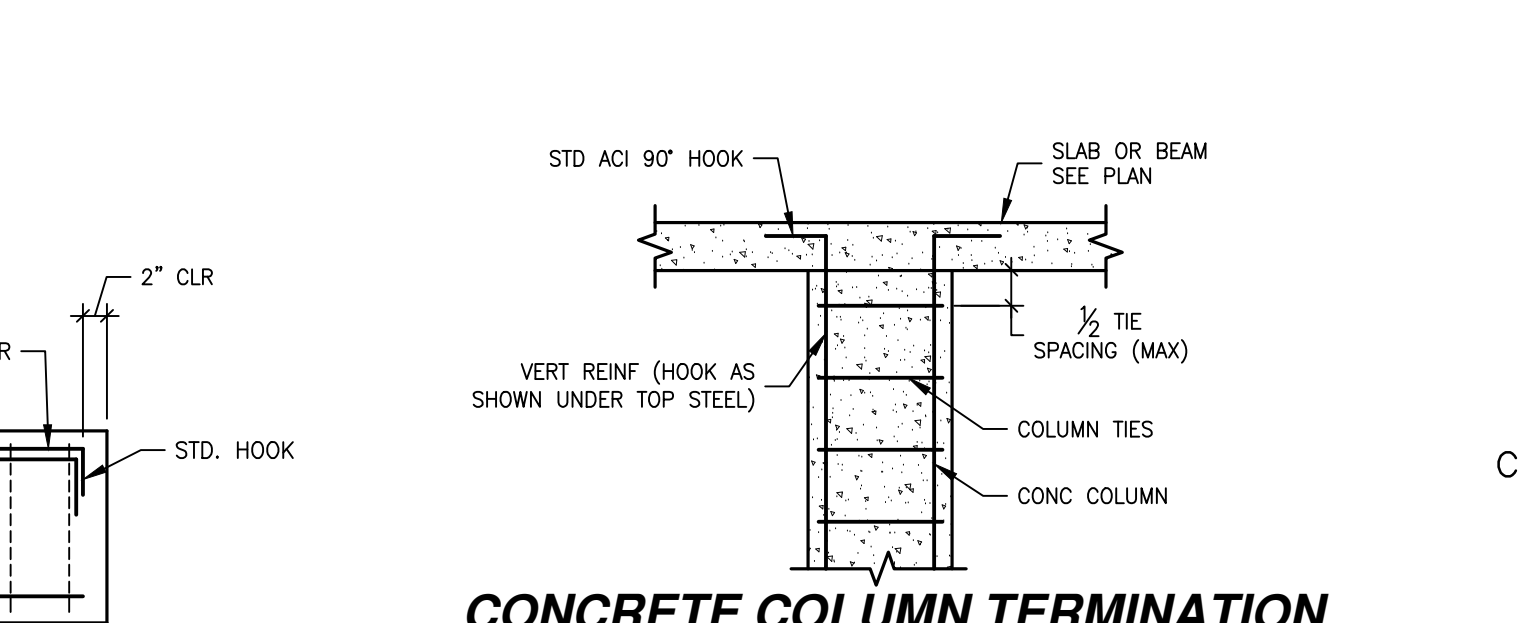


BOLLARD DETAIL
 SCALE: 3/4"=1'-0"

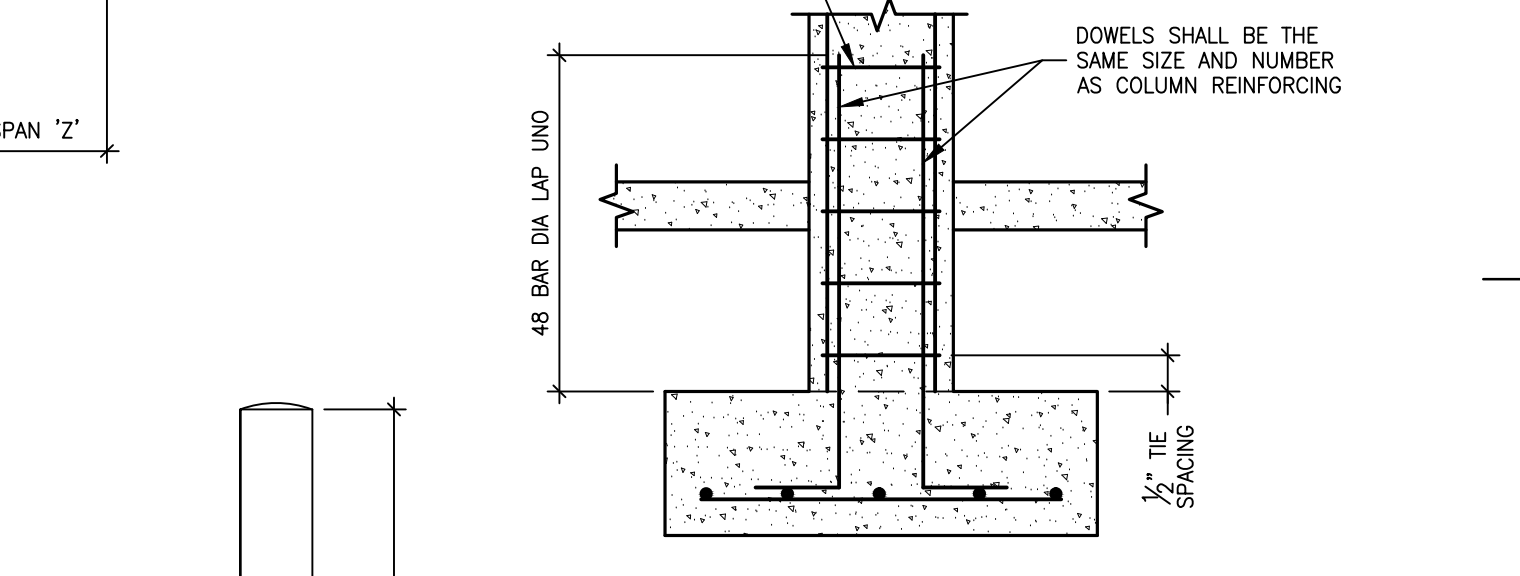


SLAB ON GRADE JOINT DETAILS

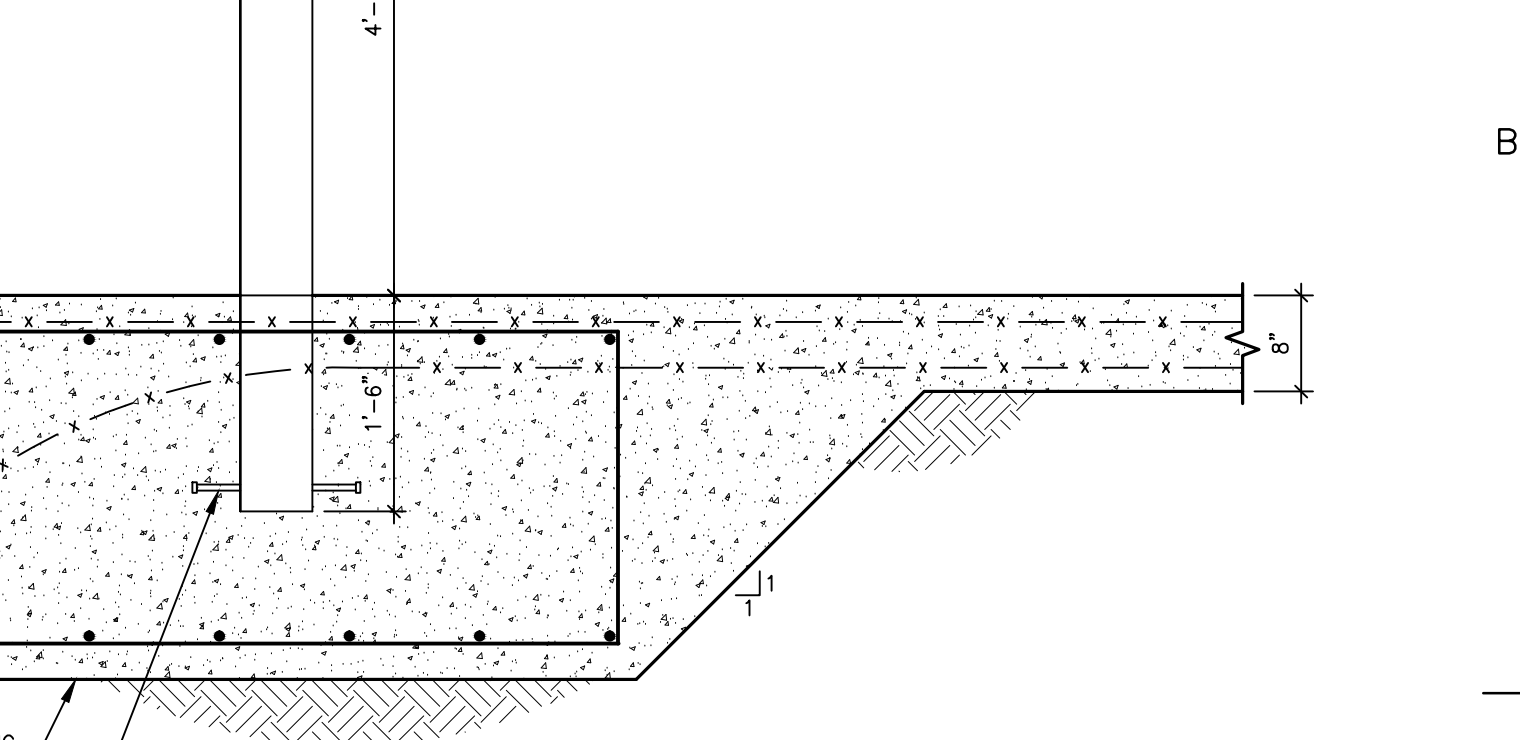
SCALE: NTS
 NOTE:
 SEE PLAN FOR LOCATIONS.



CONCRETE COLUMN TERMINATION



CONCRETE COLUMN BASE



BOLLARD AT CONCRETE FOOTING
 SCALE: 3/4"=1'-0"

REV.	DESCRIPTION	BY	DATE

PROJECT NO 11-582

LIEBL & BARROW
 Structural Engineering

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 FORT MYERS, FLORIDA 33907
 239-936-7557 PHONE
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 LieblBarrow.com info@lieblbarrow.com

DESIGNED BY: BL CHECKED BY: RB DRAWN BY: JN

D	7/25/2012	FOR BID
C	7/13/2012	95% COORDINATION SET
B	3/22/2012	DESIGN DEVELOPMENT
A	2/17/2012	PROGRESS SET

STRUCTURAL ASPECTS ONLY

THE DESIGN PROFESSIONAL WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM THE FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

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 PHONE (239) 596-2872
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ARCHITECTURE and PLANNING

FLORIDA REGISTRATION AA 0002502

NOTES:

PROJECT:

City of Naples
Recycle Transfer Facility
 Naples, Florida

DATE:

PROJECT NO: 11-484

CAD DWG FILE:

DRAWN BY:

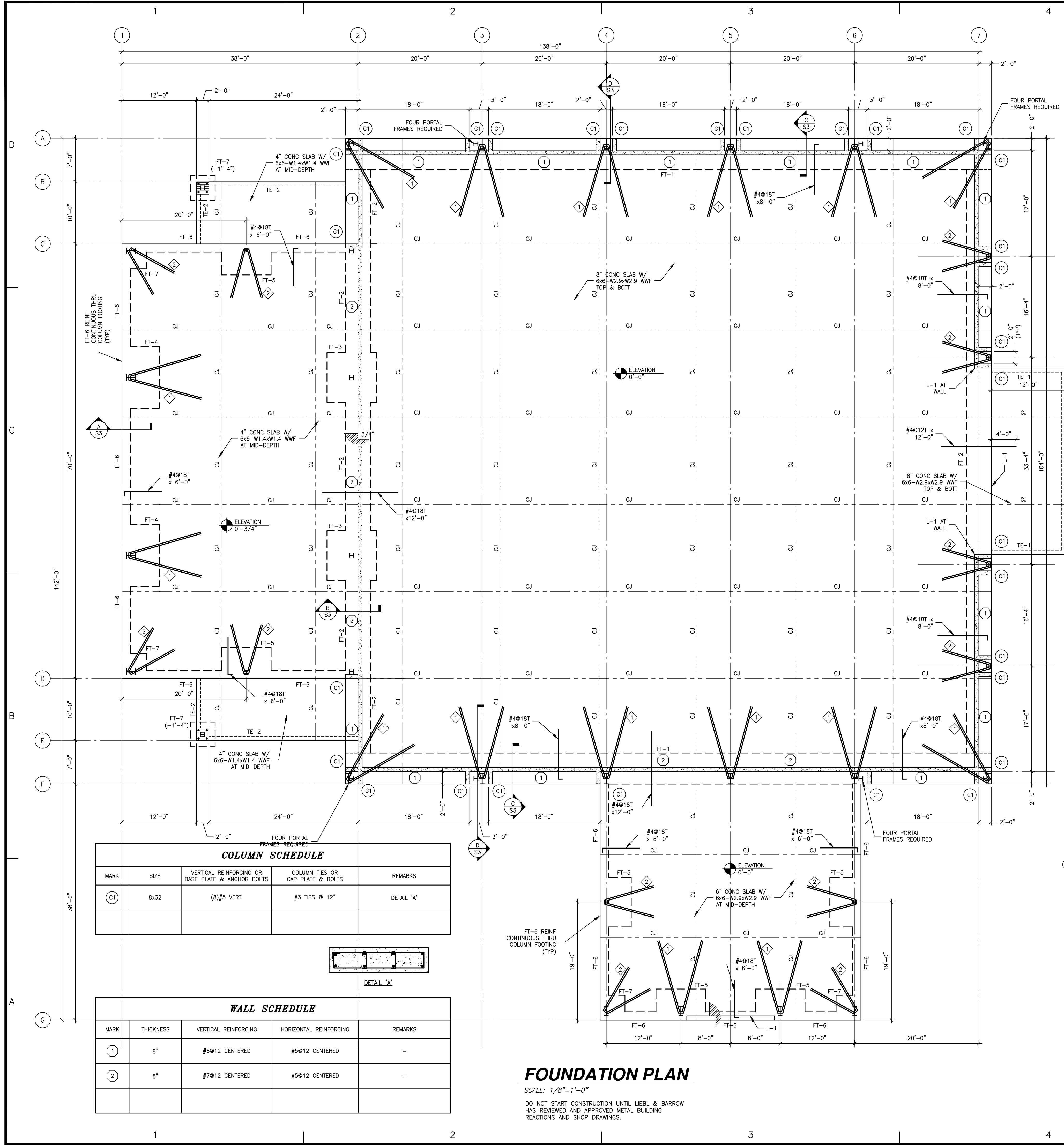
CHK'D BY:

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SHEET TITLE:
Notes & Details

S1



COLUMN SCHEDULE

MARK	SIZE	VERTICAL REINFORCING OR BASE PLATE & ANCHOR BOLTS	COLUMN TIES OR CAP PLATE & BOLTS	REMARKS
C1	8x32	(8)#5 VERT	#3 TIES @ 12"	DETAIL 'A'

WALL SCHEDULE

MARK	THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING	REMARKS
1	8"	#6@12 CENTERED	#5@12 CENTERED	-
2	8"	#7@12 CENTERED	#5@12 CENTERED	-

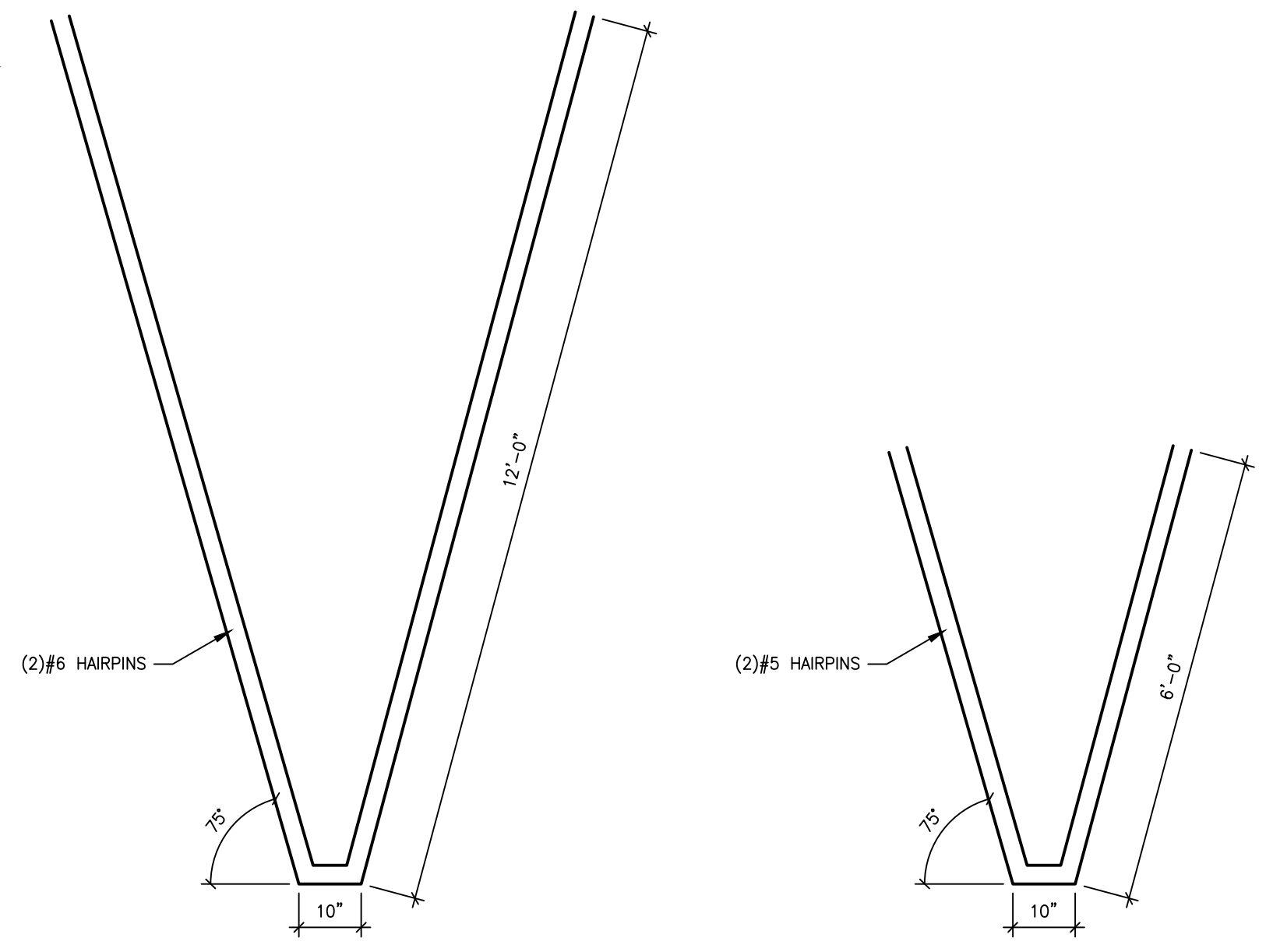
FOUNDATION PLAN
SCALE: 1/8"=1'-0"
DO NOT START CONSTRUCTION UNTIL LIEBL & BARROW HAS REVIEWED AND APPROVED METAL BUILDING REACTIONS AND SHOP DRAWINGS.

FOUNDATION/GROUND FLOOR PLAN:

1. SORTING FLOOR SHALL BE A MINIMUM 8" CONCRETE SLAB ON GRADE WITH (2) LAYERS OF 6x6-W2.9xW2.9 WELDED WIRE FABRIC TOP & BOTTOM, UNLESS NOTED OTHERWISE. PROVIDE SHAKE ON CONCRETE FLOOR HARDENER AT SORTING FLOOR AND STORAGE FLOOR PER SHEET S1.
2. SEE PLAN FOR SLABS AT OTHER AREAS.
3. THE SLAB SHALL BE CAST ON WELL COMPACTED FILL MATERIAL. SEE GEOTECHNICAL REPORT.
4. ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS REFER TO 0'-0" REFERENCE ELEVATION WHICH IS TOP OF SLAB. AT SORTING FLOOR COORDINATE ELEVATION WITH ARCHITECTURAL DRAWINGS.
5. TOP OF FOOTING ELEVATION SHALL BE AT TOP OF SLAB UNLESS SHOWN THUS (x'-x") ON PLAN.
6. SEE SHEET S1 FOR STRUCTURAL NOTES AND TYPICAL DETAILS.
7. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. FOR ADDITIONAL DIMENSIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
8. SEE ARCHITECTURAL DRAWINGS FOR SLOPES, DROPS, AND DRAIN LOCATIONS IN FLOOR SLABS.
9. SLAB ON GRADE CONTROL JOINTS (CJ) SHALL BE TOOLED OR SAWCUT PER DETAIL.
10. CONSTRUCTION JOINT (KJ) MAY BE LOCATED ONLY AT CONTROL JOINT (CJ) LOCATIONS.
11. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AS REQUIRED.
12. SEE SITE PLAN FOR EXISTING AND FINISHED GRADES.
13. [Symbol] INDICATES 8" CMU WITH #6 VERTICAL BARS IN GROUT FILLED CELLS. AT LOCATIONS SHOWN THUS ON PLAN.
14. L-1 INDICATES L2x2 1/2" HOT DIPPED GALVANIZED WITH 1/2"x6" L HEADED STUDS AT 18" OC. SEE DETAIL ON S1.
15. DO NOT START CONSTRUCTION UNTIL LIEBL & BARROW HAS REVIEWED AND APPROVED METAL BUILDING REACTIONS AND SHOP DRAWINGS.
16. SEE ARCHITECTURAL DRAWINGS FOR VAPOR BARRIER BELOW SLAB.
17. TE-1 INDICATES 8"Wx16"D THICKENED SLAB EDGE WITH (2)#5 TOP & BOTTOM.
TE-2 INDICATES 8"Wx12"D THICKENED SLAB EDGE.

FOOTING SCHEDULE

NUMBER	SIZE: WxL	THICKNESS	REINFORCING	REMARKS
FT-1	5'-0"xCONT	2'-8"	(5)#8T&B CONT #4@12 TIES	HOOK BARS EACH END
FT-2	4'-0"xCONT	1'-4"	(5)#8T&B CONT #4@12 TIES	
FT-3	8'-0"x8'-0"	2'-8"	(8)#7 EA WAY T&B	
FT-4	6'-0"x10'-0"	2'-8"	(8)#7 EA WAY T&B	
FT-5	5'-0"x8'-0"	2'-8"	(8)#6 SHORT WAY T&B (6)#7 LONG WAY T&B	
FT-6	1'-4" CONT	1'-4"	(3)#6 T&B CONT #4@24 TIES	REINF CONTINUOUS AT COLUMN FOOTINGS
FT-7	4'-0"x4'-0"	2'-0"	(4)#6 EA WAY T&B	



PROJECT NO 11-582
LIEBL & BARROW
Structural Engineering

DESIGNED BY: BL CHECKED BY: RB DRAWN BY: JN

REV #	DATE	DESCRIPTION
O	7/25/2012	FOR BID
C	7/13/2012	95% COORDINATION SET
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CONSULTANTS:

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ARCHITECTURE and PLANNING
FLORIDA REGISTRATION AA 0002502

NOTES:

PROJECT: **City of Naples Recycle Transfer Facility**
Naples, Florida

REVISIONS:

REV.	DESCRIPTION	BY	DATE

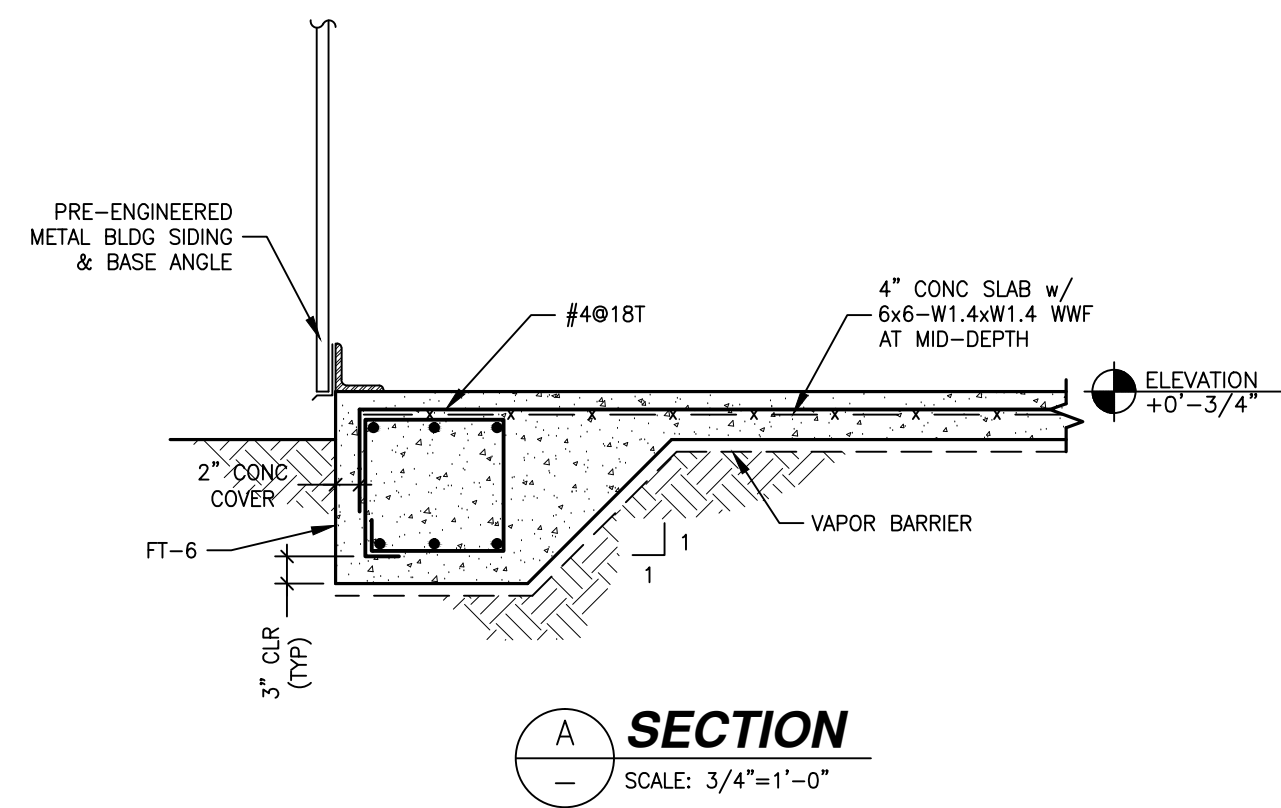
DATE: _____
PROJECT NO: 11-484
CAD DWG FILE: _____
DRAWN BY: _____
CHK'D BY: _____

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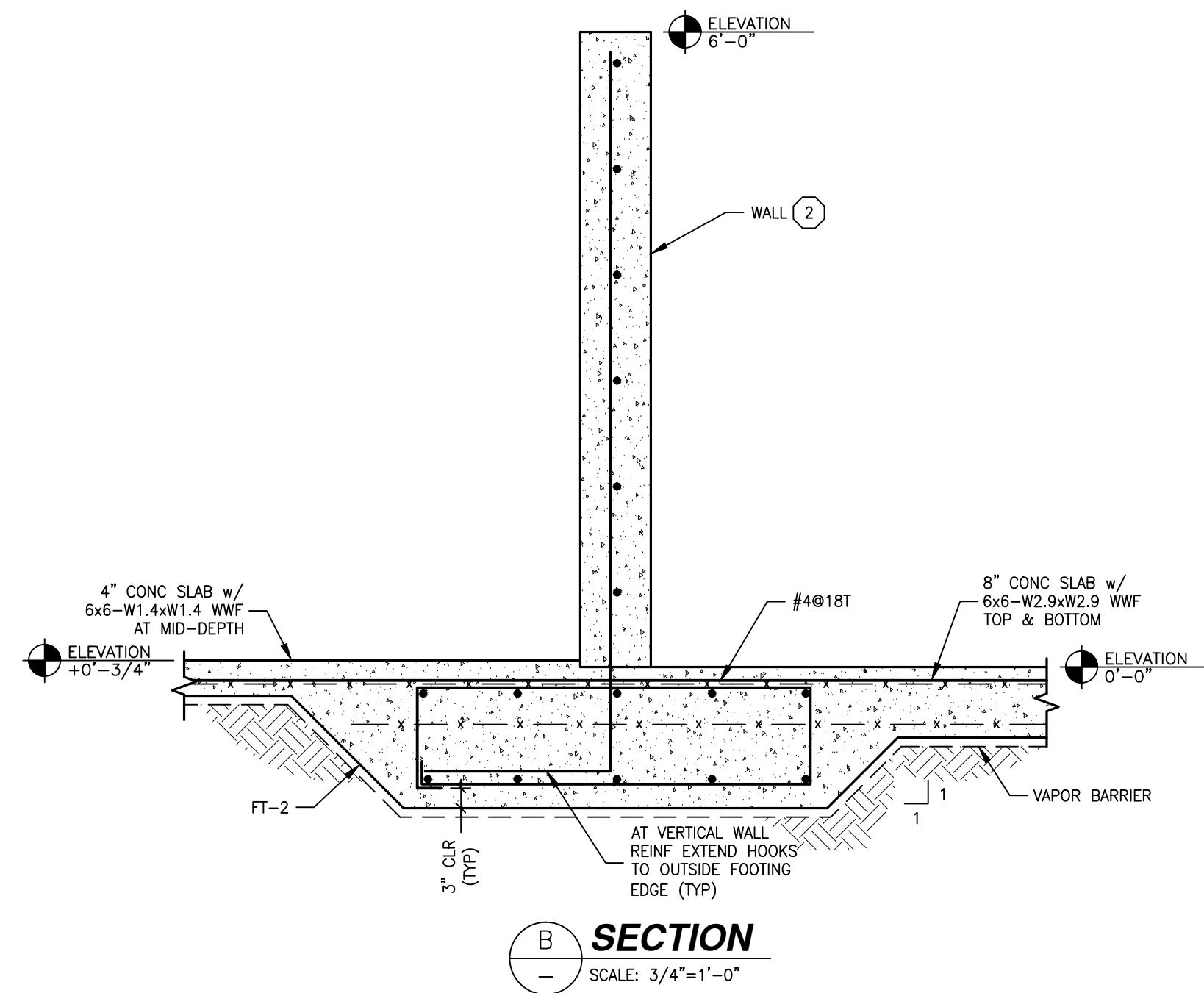
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SHEET TITLE: **Foundation Plan**

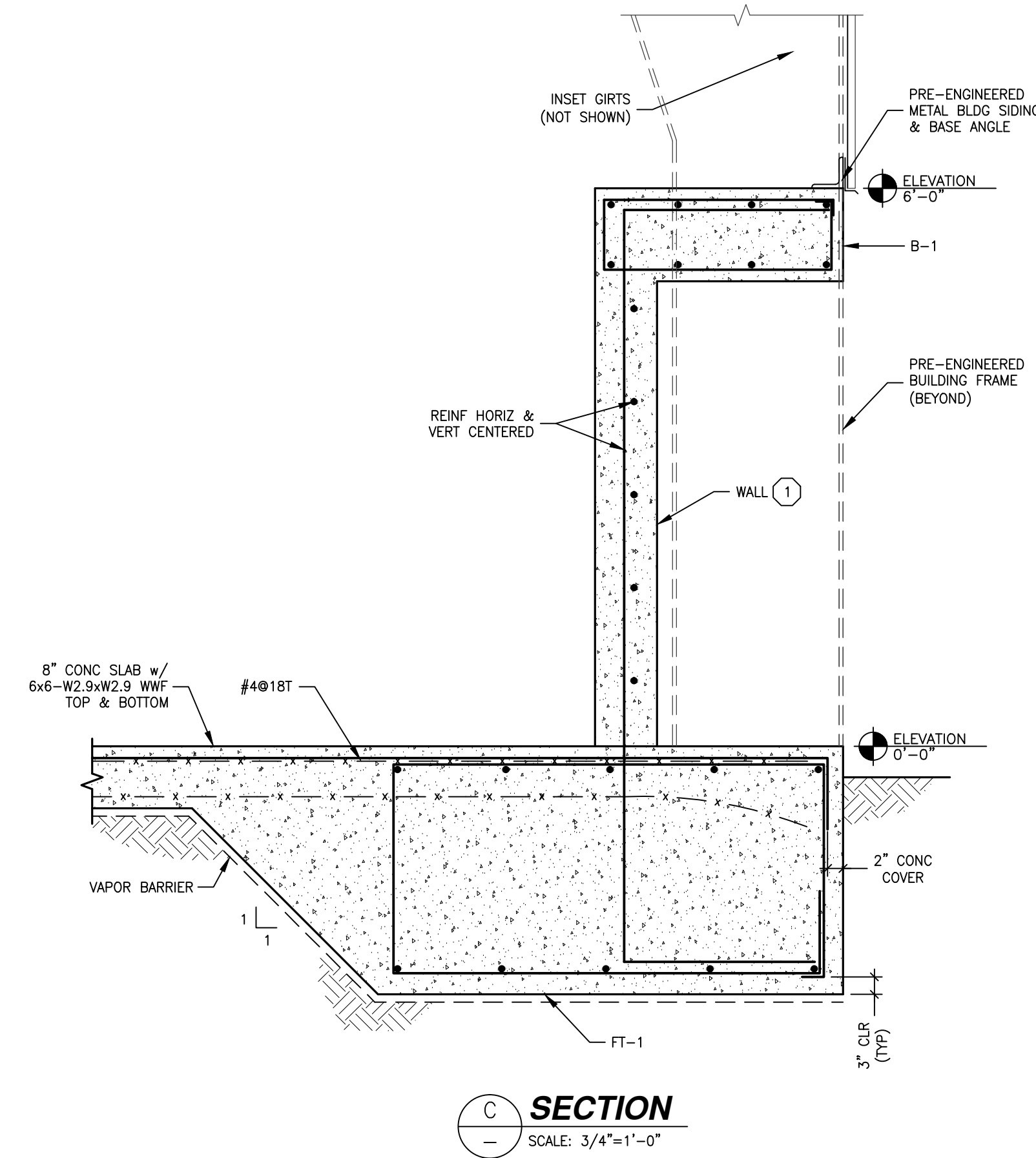
C:\LIEB\Projects\11-582 - Naples Recycle Facility\DWG\SS3 Sections.dwg, SS Sections, 7/18/2012 2:45:06 PM, W.C. ARCH'D 04.00 x 36.00 inches, 1:1



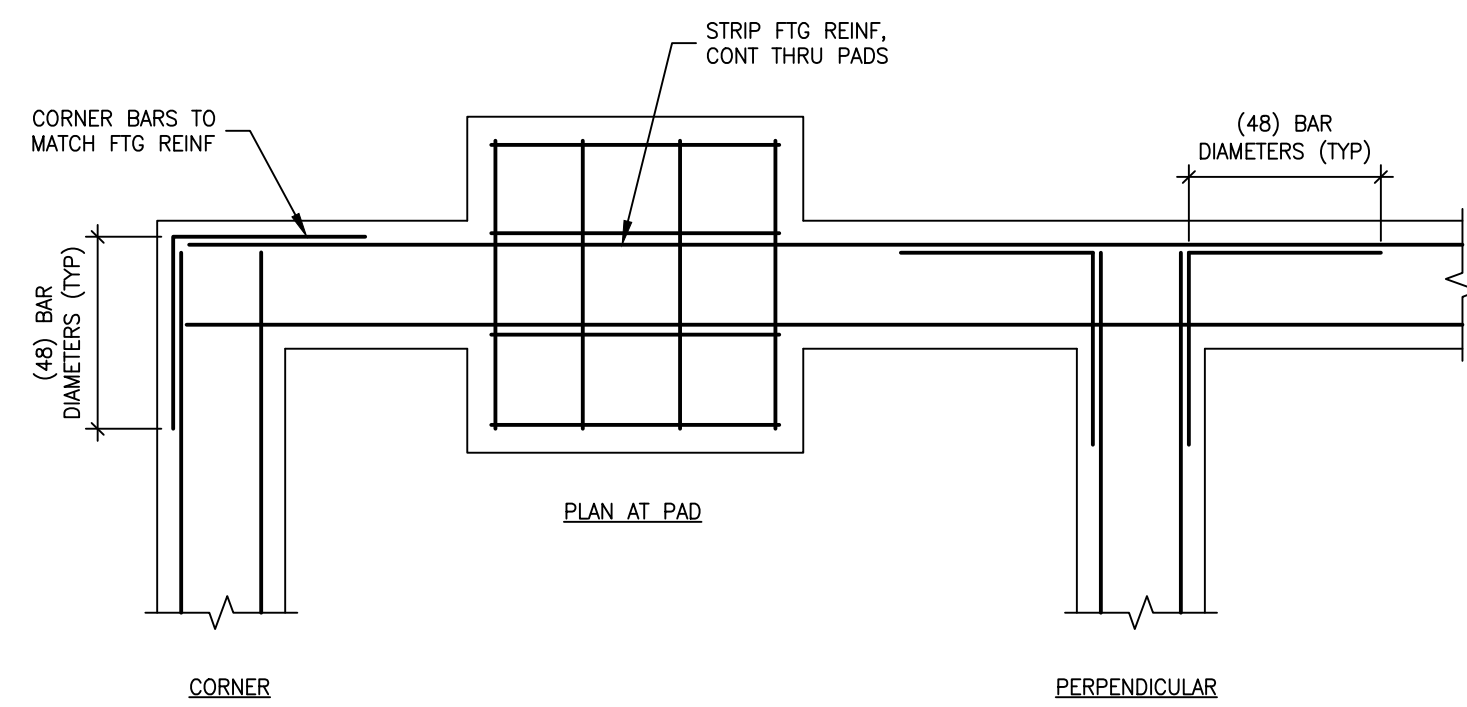
SECTION A
SCALE: 3/4"=1'-0"



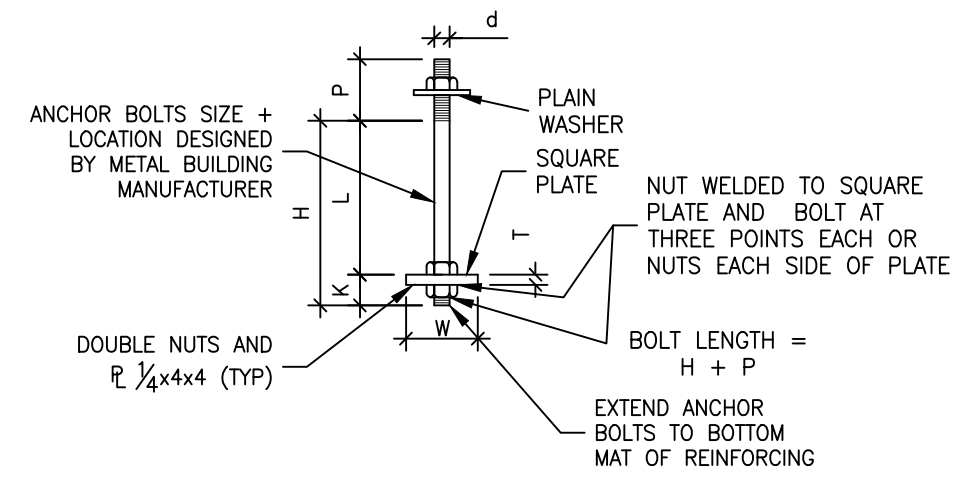
SECTION B
SCALE: 3/4"=1'-0"



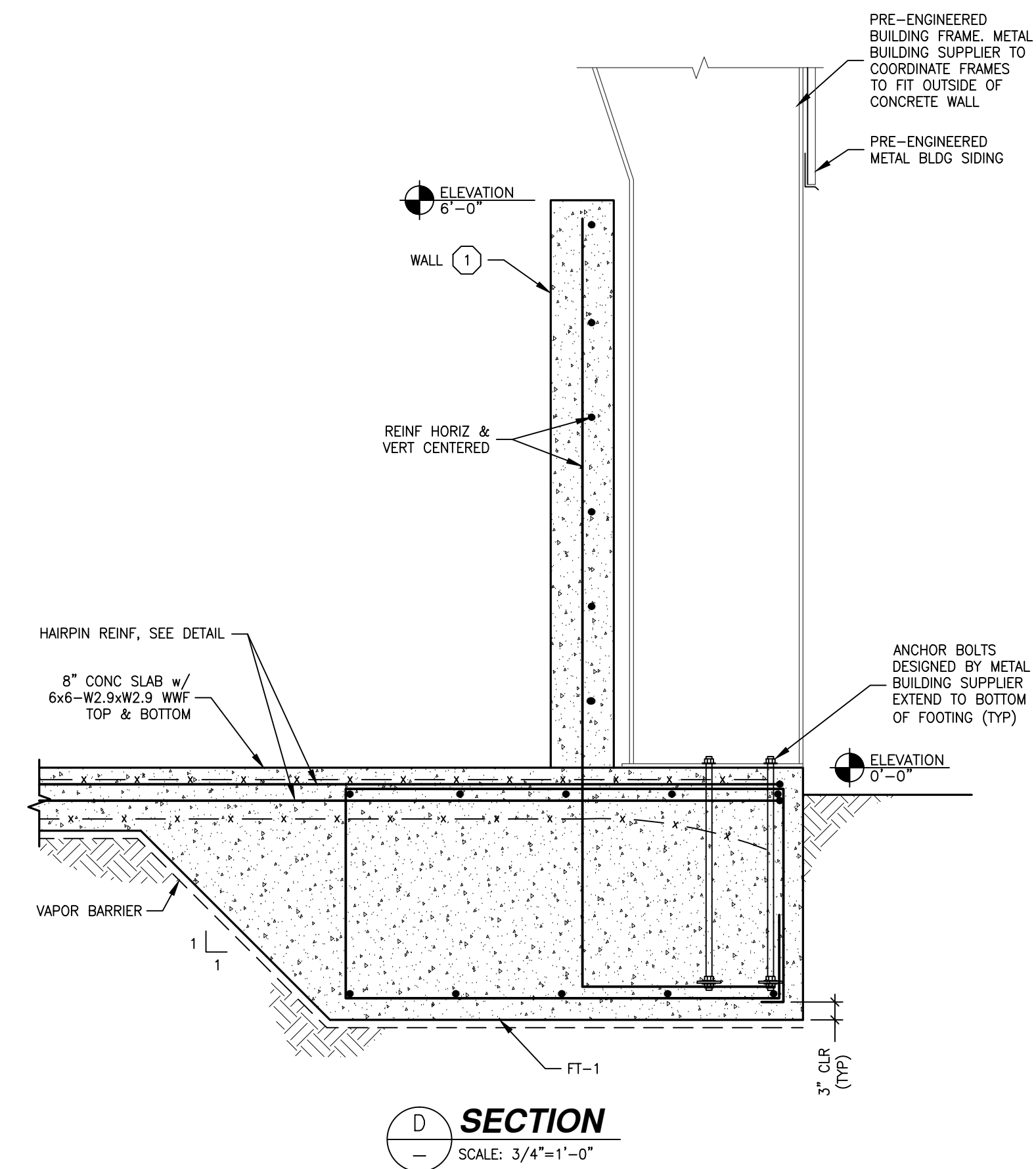
SECTION C
SCALE: 3/4"=1'-0"



NOTE: SPLICES IN REINFORCING BARS SHALL NOT LESS THAN (48) BAR DIAMETERS.
TYP FTG INTERSECTION PLAN DETAIL
SCALE: NTS



ANCHOR BOLT DETAIL



SECTION D
SCALE: 3/4"=1'-0"

PROJECT NO 11-582
LIEBL & BARROW
Structural Engineering

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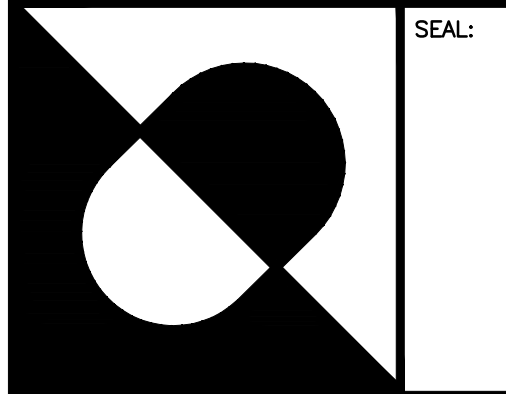
SEAL:

DESIGNED BY:	BL	CHECKED BY:	RB	DRAWN BY:	JN
D	7/25/2012	FOR BID			
C	7/13/2012	95% COORDINATION SET			
B	3/22/2012	DESIGN DEVELOPMENT			
A	2/17/2012	PROGRESS SET			
REV #	DATE	DESCRIPTION			

STRUCTURAL ASPECTS ONLY

THE DESIGN PROFESSIONAL WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM THE FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

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ARCHITECTURE
and
PLANNING

FLORIDA REGISTRATION AA 0002502

NOTES:

PROJECT:

**City of Naples
Recycle Transfer Facility**

Naples, Florida

REV. DESCRIPTION BY DATE

DATE:
PROJECT NO: 11-484

CAD DWG FILE:

DRAWN BY:

CHK'D BY:

The design professional waives any and all responsibility and liability for problems which arise from the failure to follow these plans, specifications and the design intent they convey, or for problems which arise from others failure to obtain and/or follow the design professional's guidance with respect to any errors, omissions, inconsistencies, ambiguities or conflicts which are alleged.

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SHEET TITLE:

Sections

S-3