

AZZE
ARCHITECTURE
INC.
7124 SW 47th Street
Miami, Florida 33155
Tel: (305) 662-2886 Fax: (305) 662-3883
www.azze.com

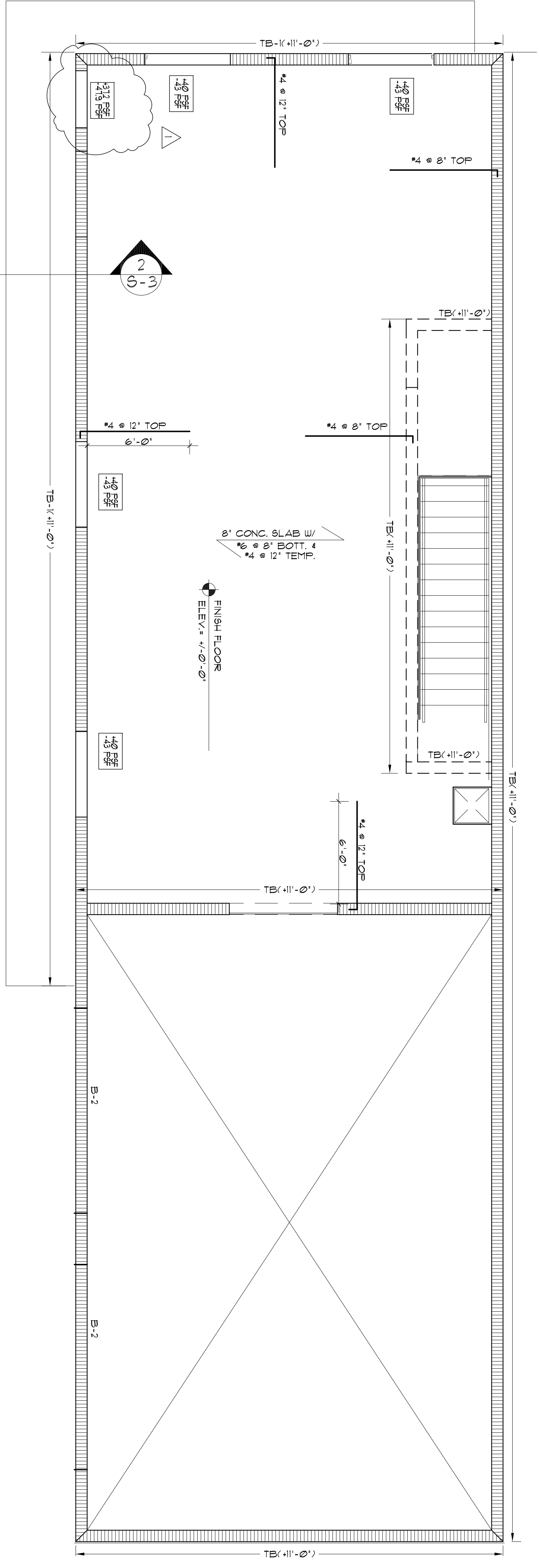
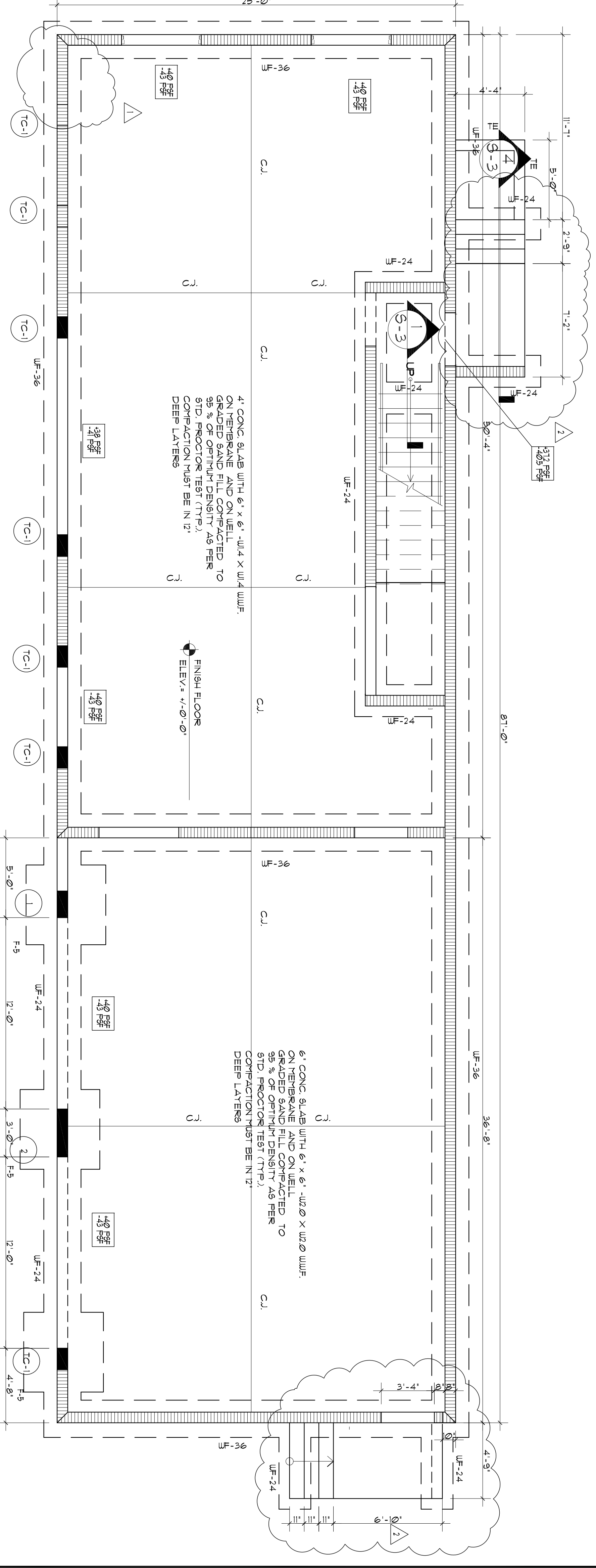
NEW 2-STORY BUILDING
for an Existing
Industrial Property
4733 E. 10th Lane
Hialeah, FL 33013

DATE:
Plan No. 04-3106-004-0779 and 04-3106-001-3120

NO.	REVISIONS / SUBMISSIONS	DATE
1	B.D.C. 7/8/15	
2	B.D.C. 8/26/15	
3		
4		
5		
6		
7		
8		

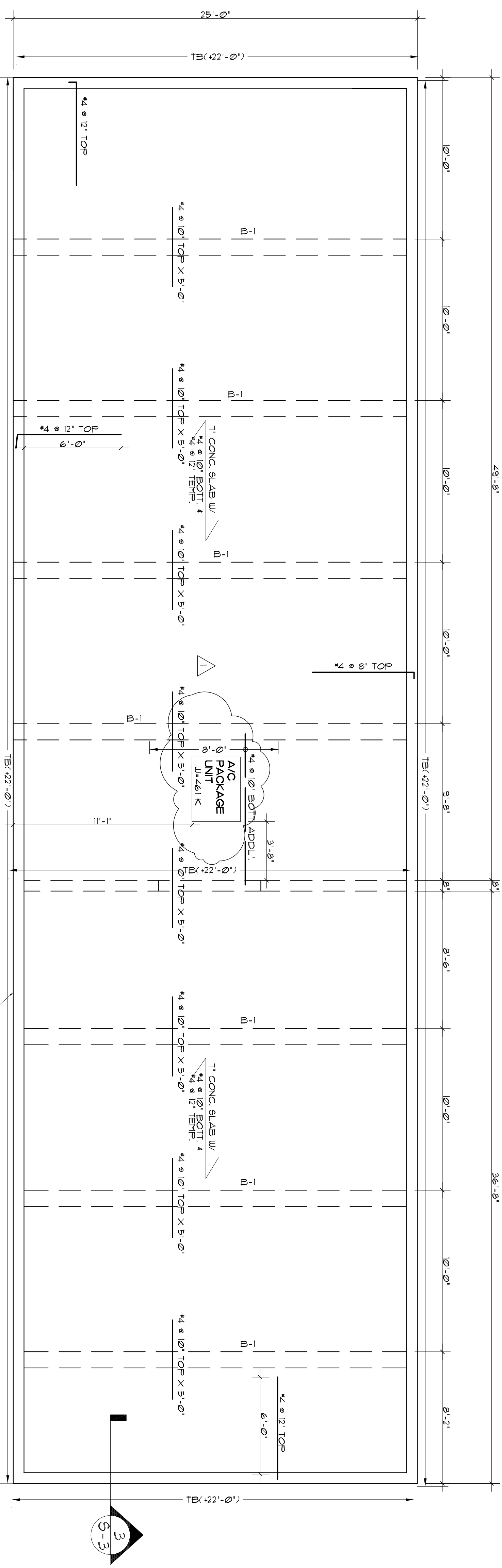
DRAWING NO.	5054 CONTE
PROJECT NO.	14572-2
DRAWN BY	L. CARPOTE / HSH-14
CHECKED BY	JORGE S. AZZE
DATE	8/26/15
SCALE	AS SHOWN
PROJECT TITLE	INDUSTRIAL PROPERTY IMPROVEMENT OF RELOCATING
DRAWING NO.	S-1
DATE	

SOIL STATEMENT
SOIL CONDITION AT SITE BY VISUAL INSPECTION INDICATES AN ALLUVIAL BEARING CAPACITY OF 2000 PSF. (UNDISTURBED) AND/OR ROCK. EXCAVATION WILL VISUALLY INSPECT TO THE PERMIT TO SUBMIT A LETTER CERTIFYING THAT TO THE BEST OF OUR PROFESSIONAL KNOWLEDGE AND BELIEF THE CONDITIONS ENCOUNTERED ARE SIMILAR TO THOSE DESCRIBED ABOVE.
MASONRY WALL SHALL BE REINFORCED W/ # 5 @ 48" O.C. TO F. ELEVATION -2'-0".
#4 REINFORCING DENOTE WIND PRESSURE



A B C D E F G H I J K L M N

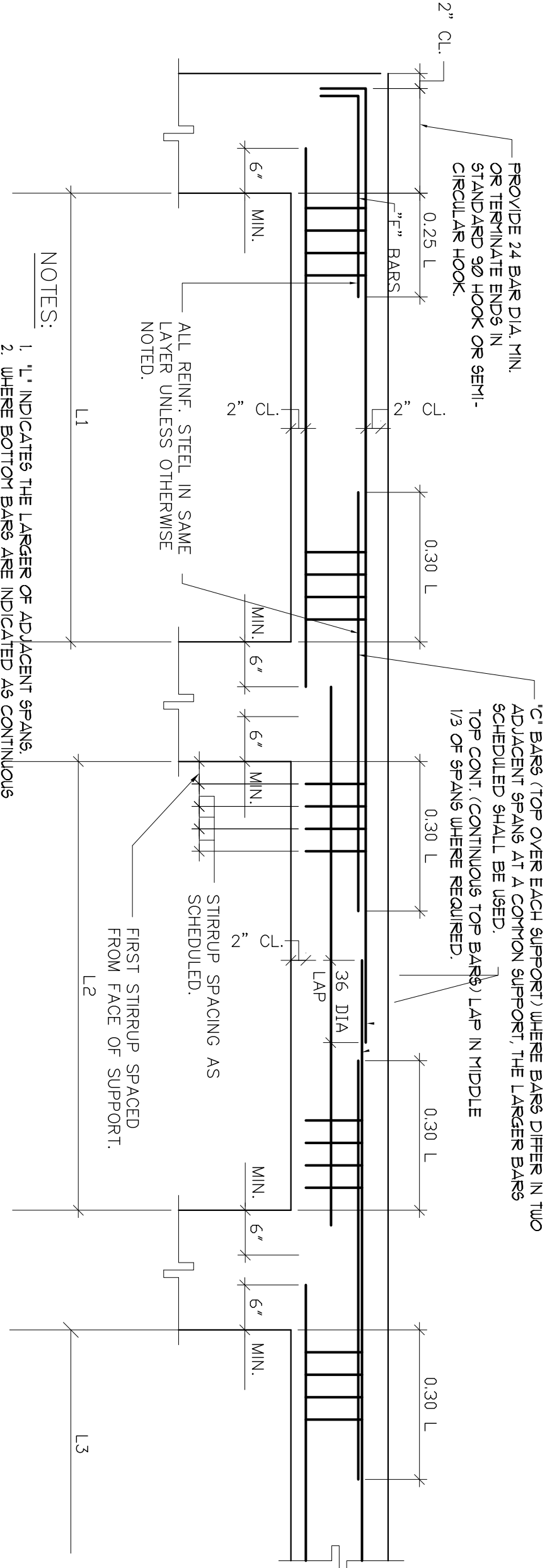
A B C D E F G H I J K L M N



BEAM SCHEDULE

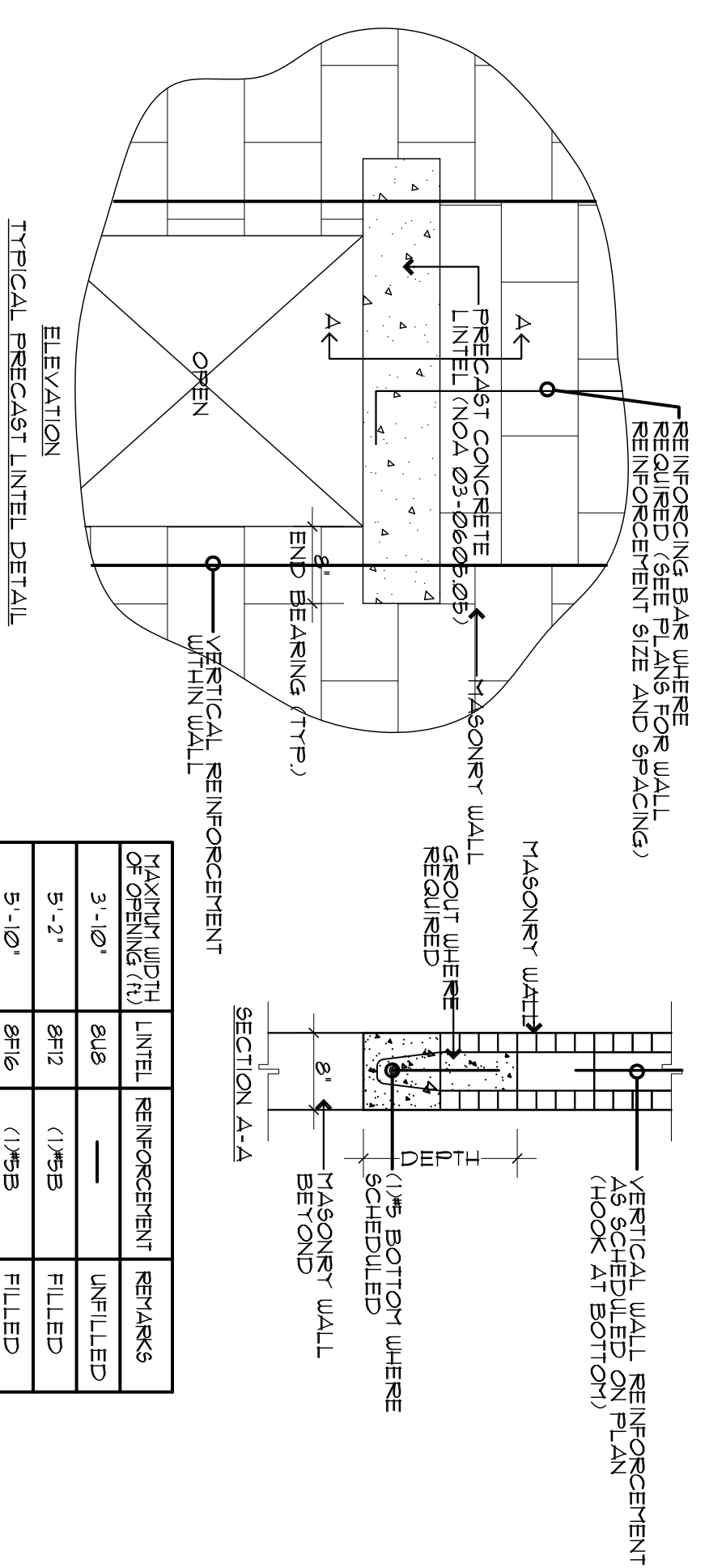
MARK	ELEV.	SIZE	BOTT.		TOP CONT.		"C" BARS		"E" BARS		STIRRUPS	REMARKS
			NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE		
B-1	427'-0"	12" X 24"	3	#6	2	#6	5	12 @ 6" O.C. BAL.	6 @ 12" O.C. BAL.	6 @ 12" O.C.		
B-2	416'-0"	8" X 24"	2	#6	2	#6	5	6 @ 10" O.C. BAL.	6 @ 12" O.C. BAL.	6 @ 12" O.C.		
TB-1	SEE PLAN	8" X 12"	2	#5	2	#5	5	6 @ 12" O.C.	6 @ 12" O.C.	6 @ 12" O.C.		
TB-1	SEE PLAN	8" X 36"	2	#5	2	#5	5	6 @ 12" O.C.	6 @ 12" O.C.	6 @ 12" O.C.		

SEE INTERMEDIATE BEAM REINFORCING SCHEDULE THIS SHEET



INTERMEDIATE BEAM REINF.

BEAM DEPTH	BEAMS 8" WIDE	BEAMS 9" TO 14"	BEAMS 15" TO 18"	OVER 18"
UP TO 24"	NONE	NONE	NONE	NONE
25" TO 36"	2 #5 EA. FACE	2 #5 EA. FACE	2 #5 EA. FACE	2 #5 EA. FACE
37" TO 54"	2 #4 EA. FACE	2 #5 EA. FACE	3 #5 EA. FACE	3 #5 EA. FACE
55" & OVER	4 #2 @ EA. FACE	5 #8 EA. FACE	5 #4 EA. FACE	6 #4 EA. FACE



WIDTH (W)	DEPTH (D)	REMARKS
3'-10"	8" B	UNFILLED
5'-2"	8" B	FILLED
5'-10"	8" B	FILLED

TYPICAL BEAM REINF. PLACING DIAGRAM

N. T. S.

AZZIE ARCHITECTURE INC.
714 SW 47th Street
Miami, Florida 33155
Tel: (305) 652-2899 Fax: (305) 652-2883
Email: info@azziearch.com

NEW 2-STORY BUILDING
for an Existing
Industrial Property

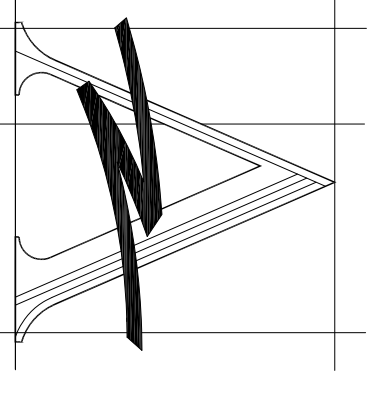
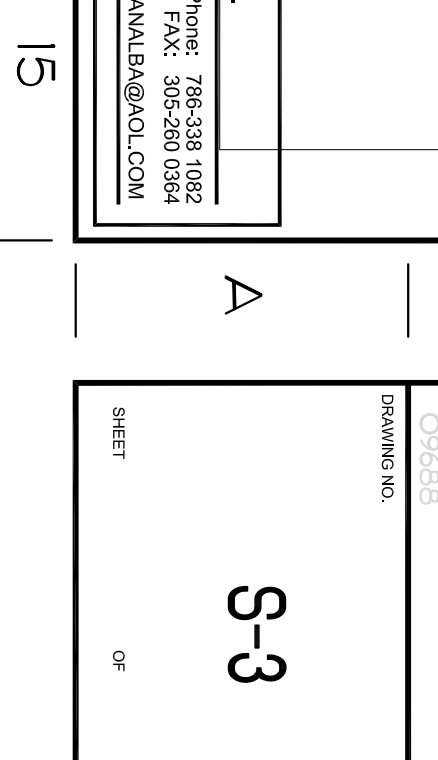
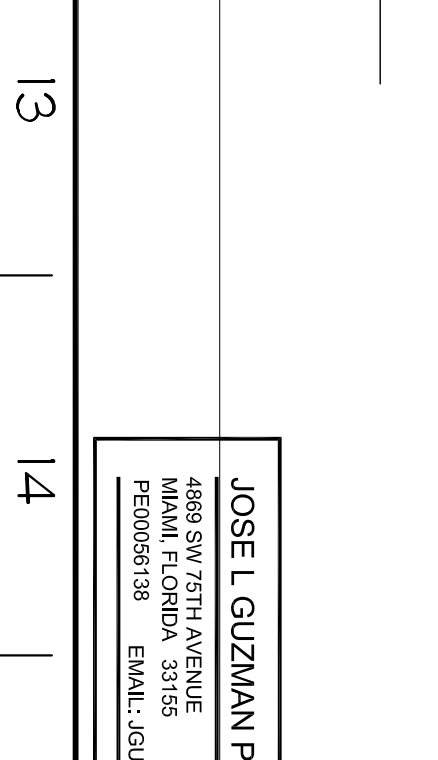
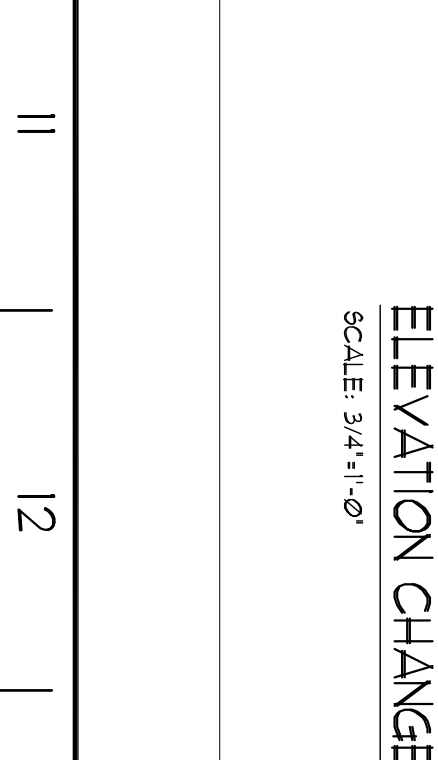
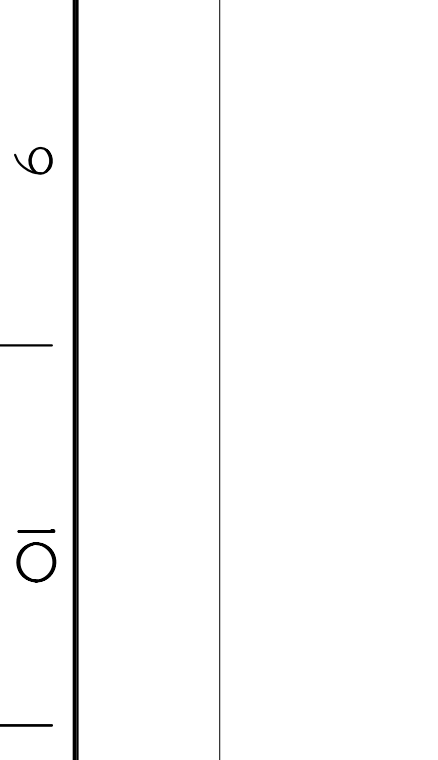
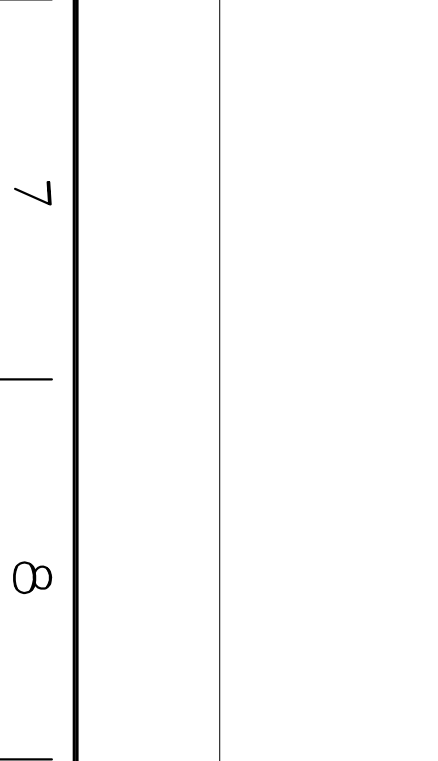
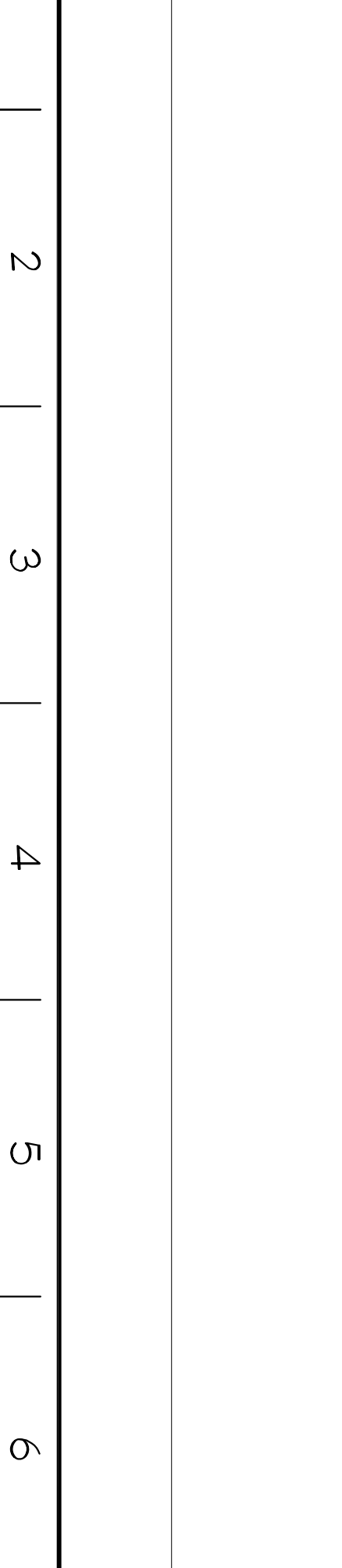
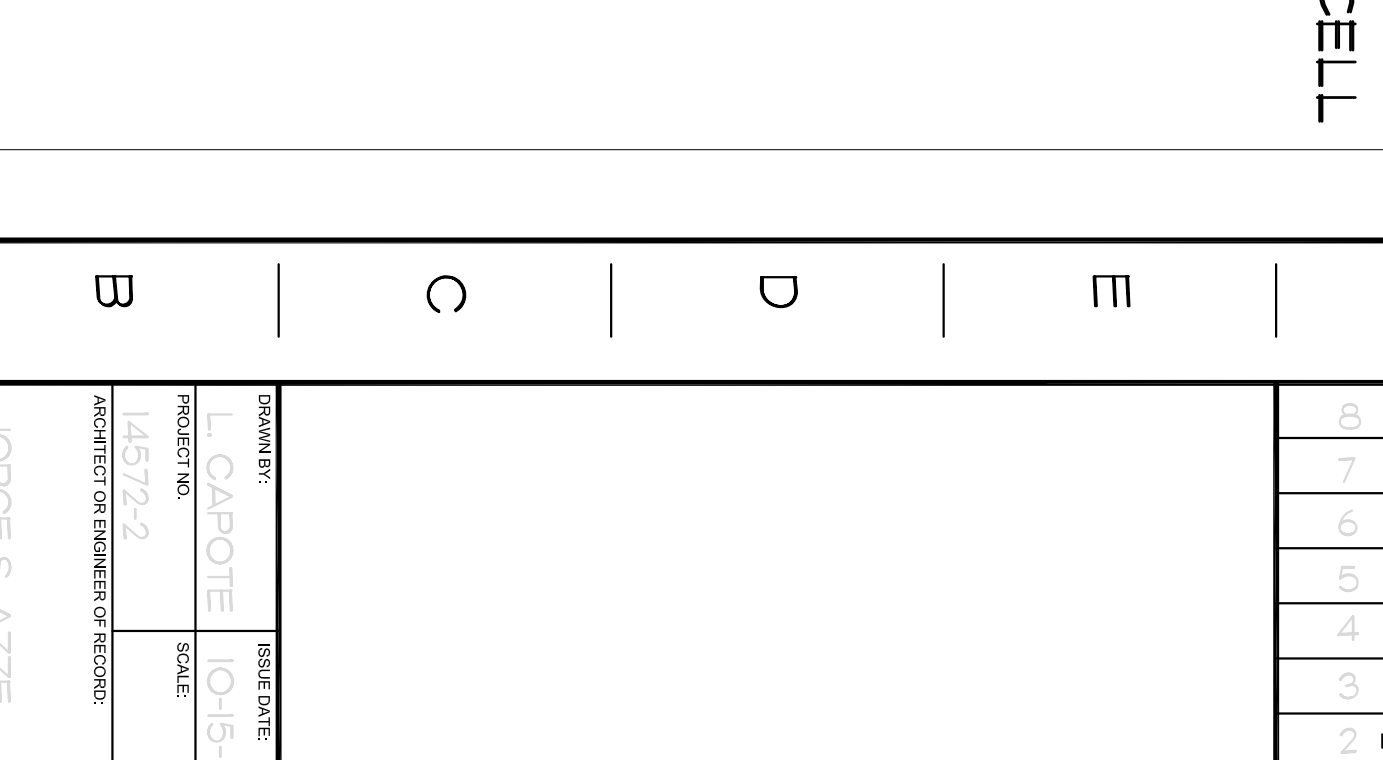
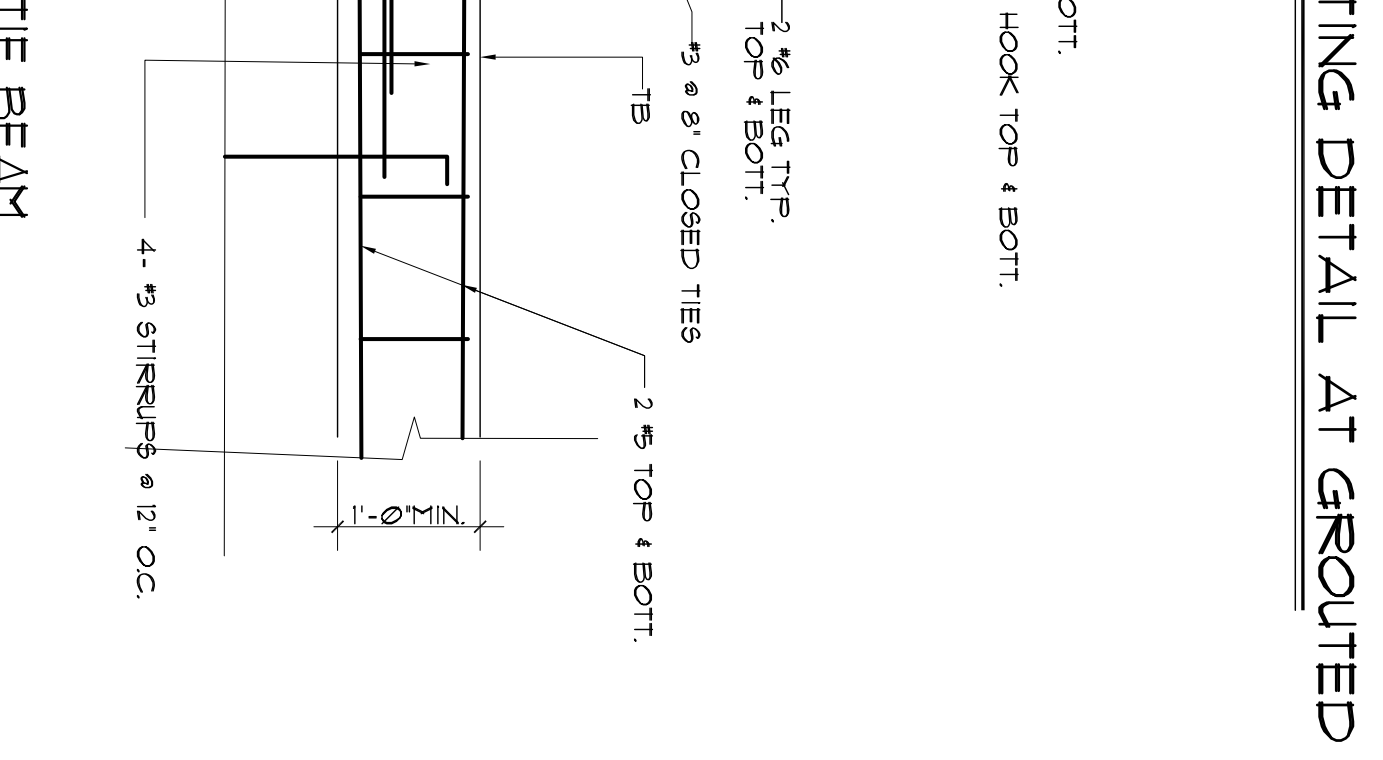
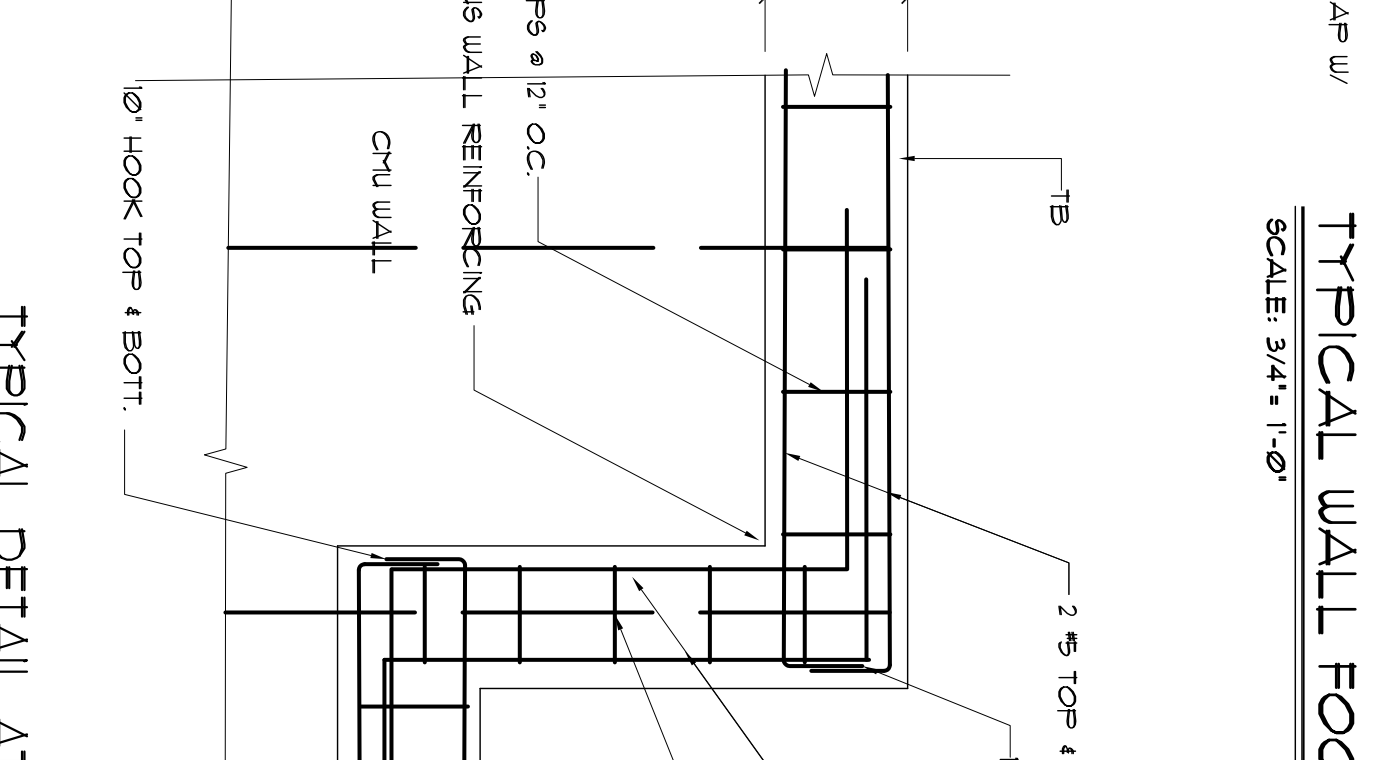
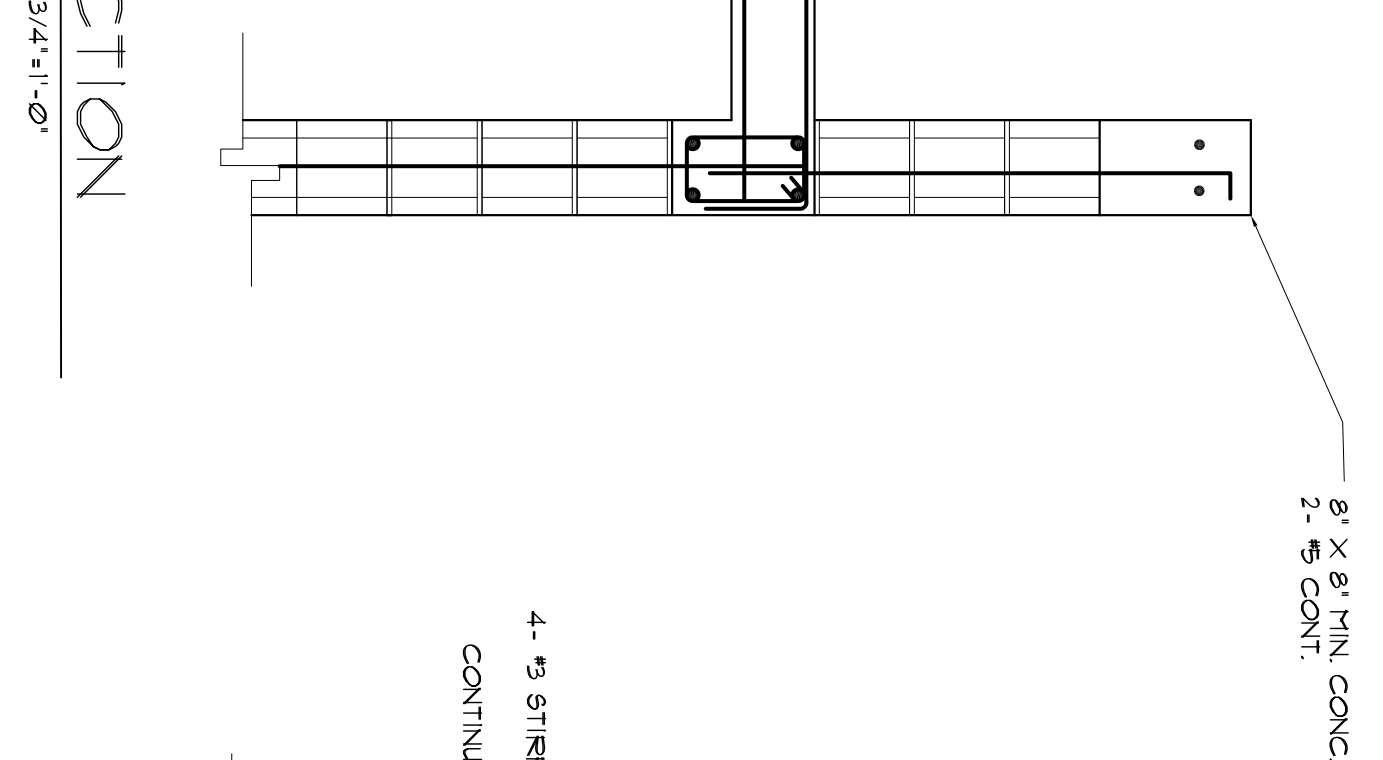
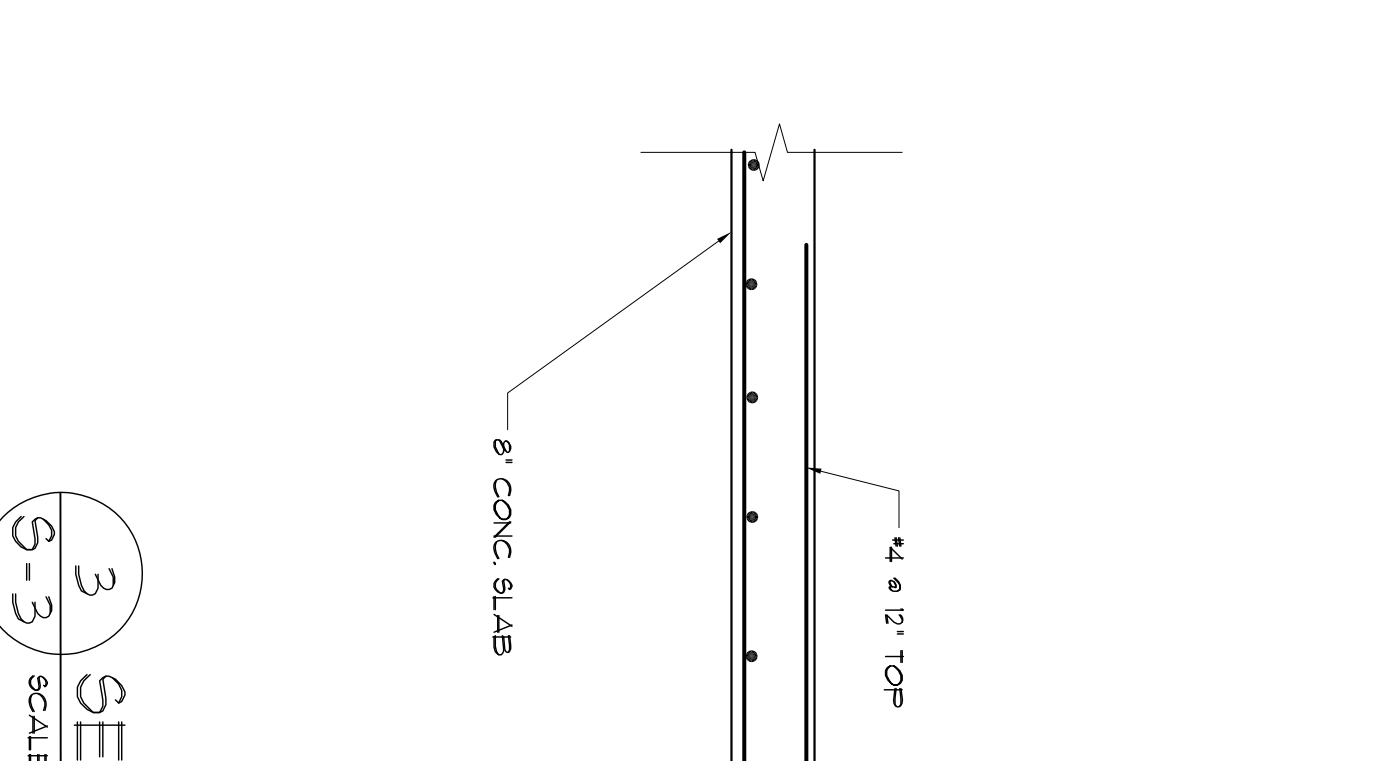
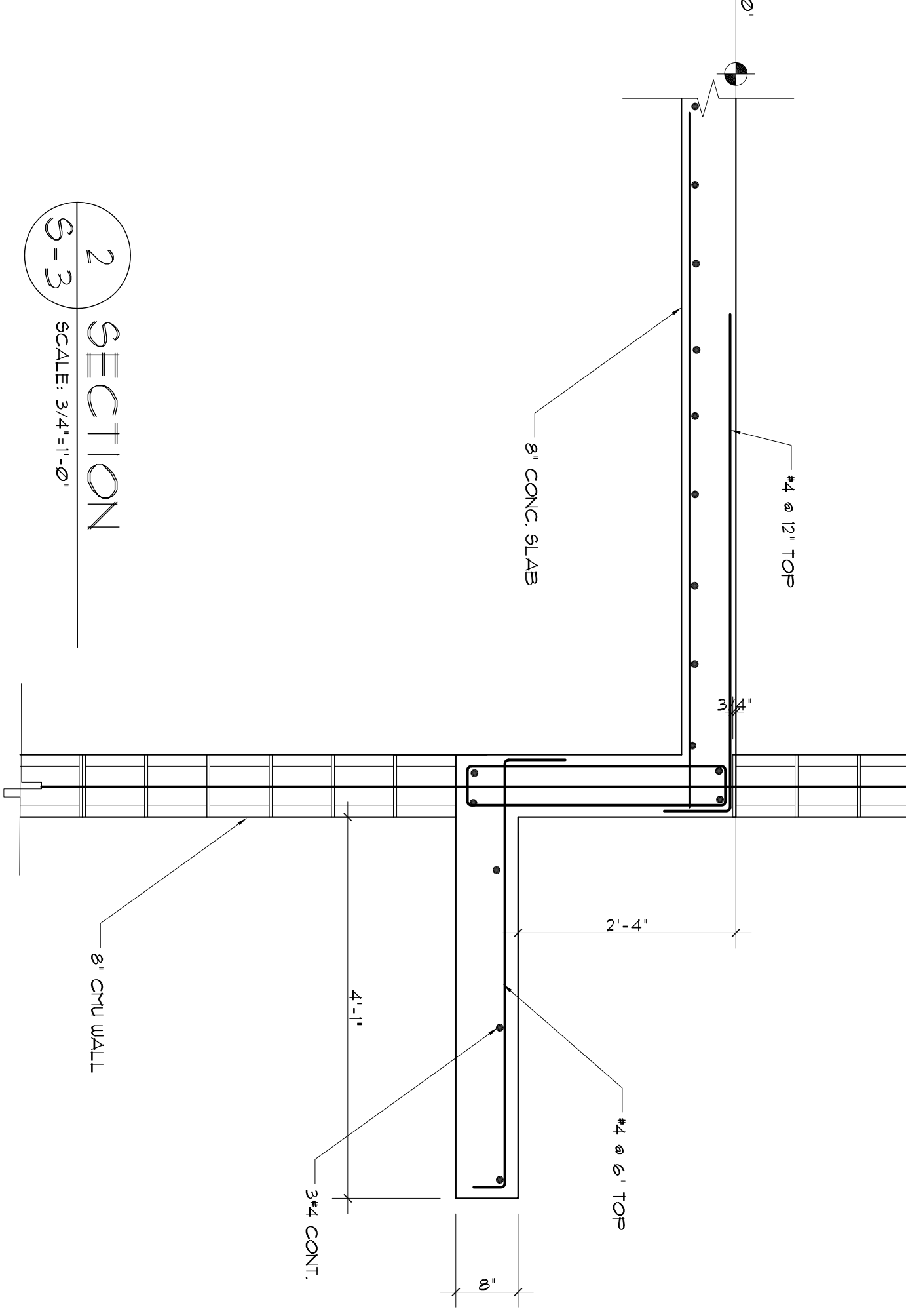
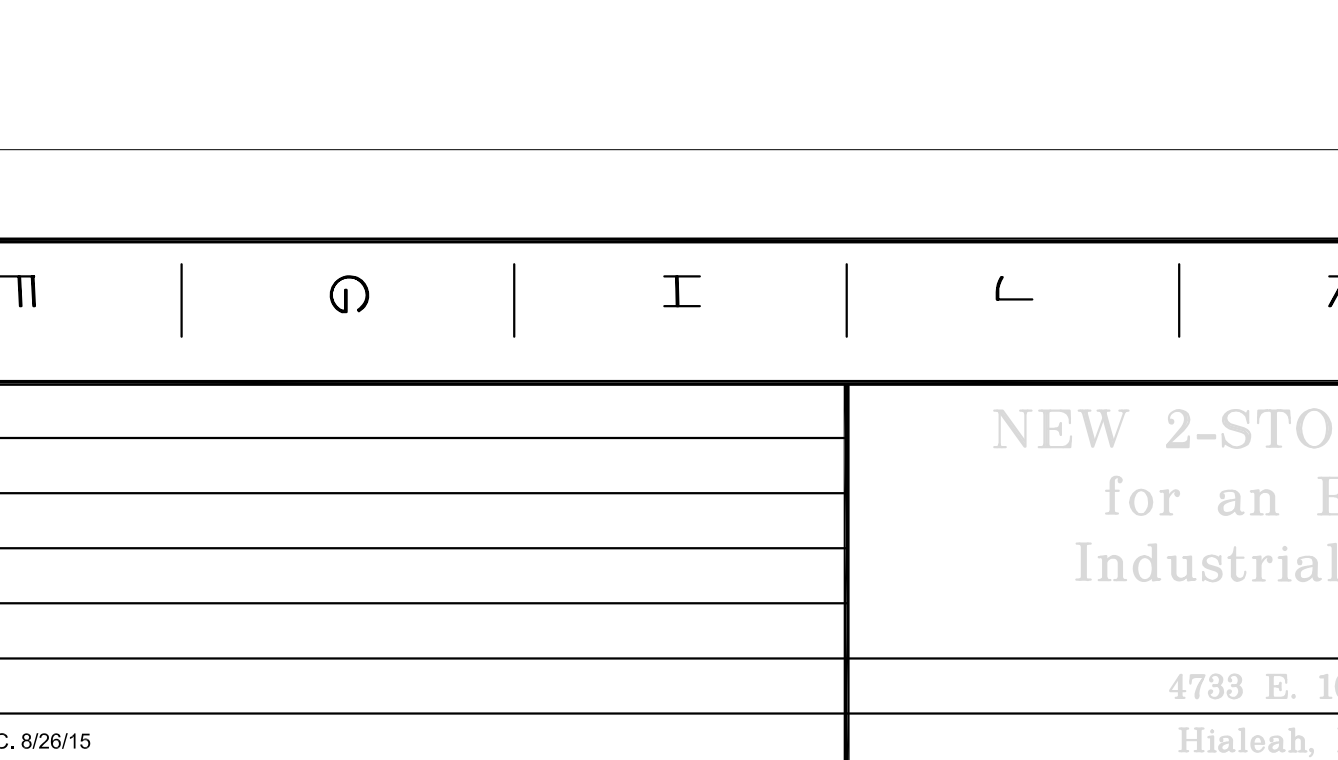
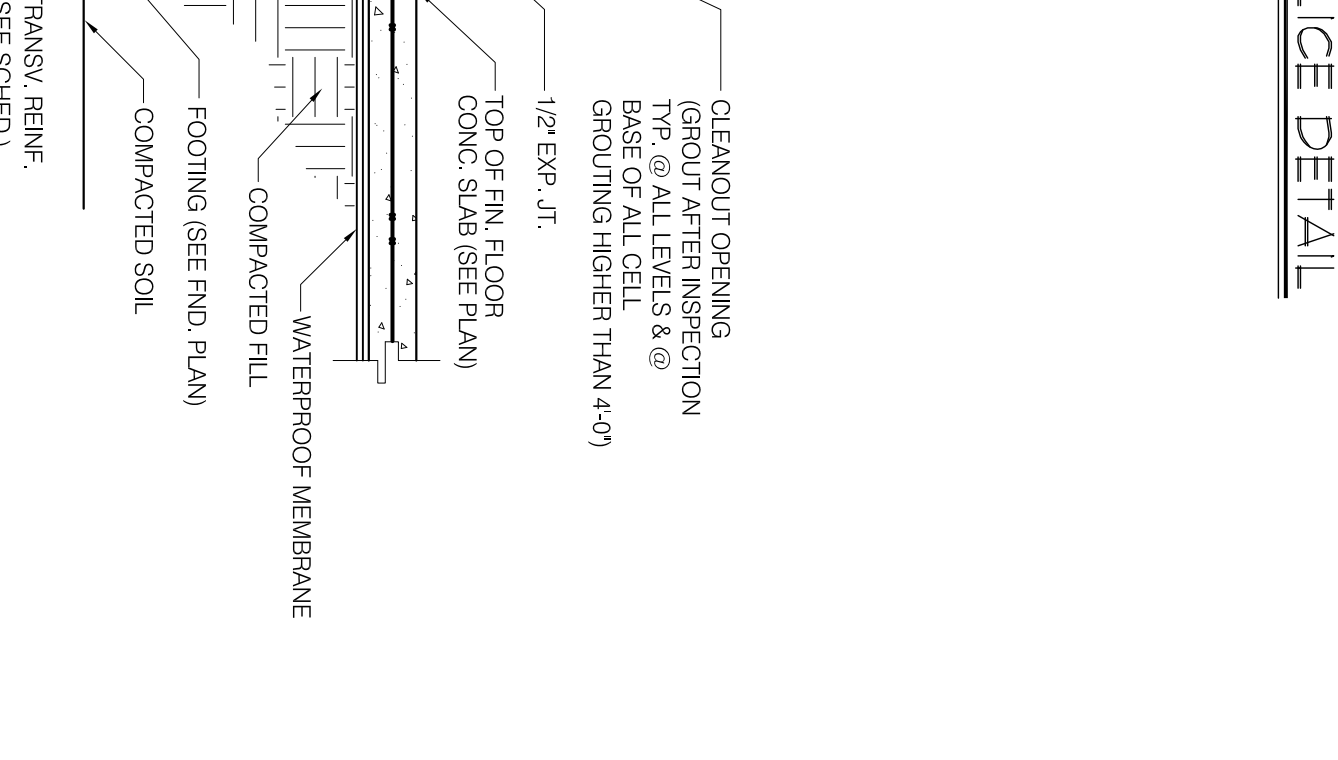
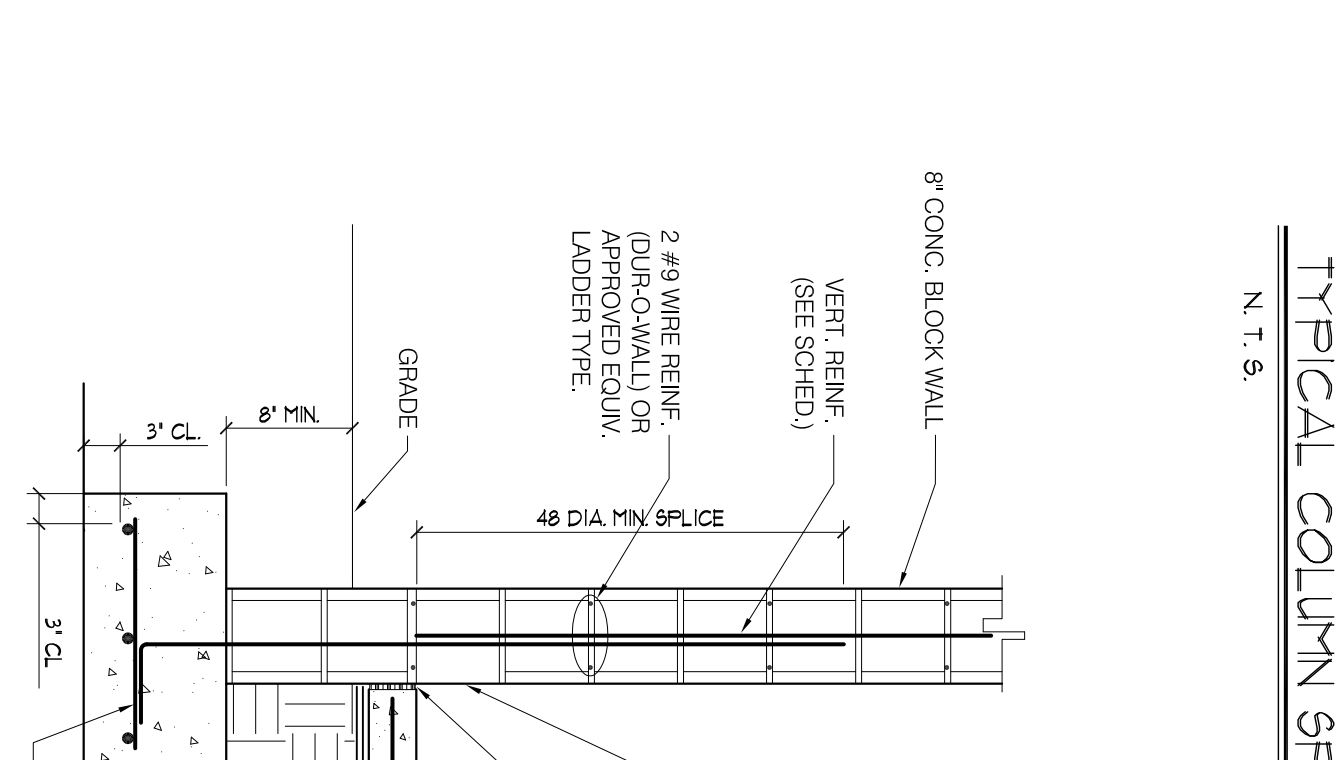
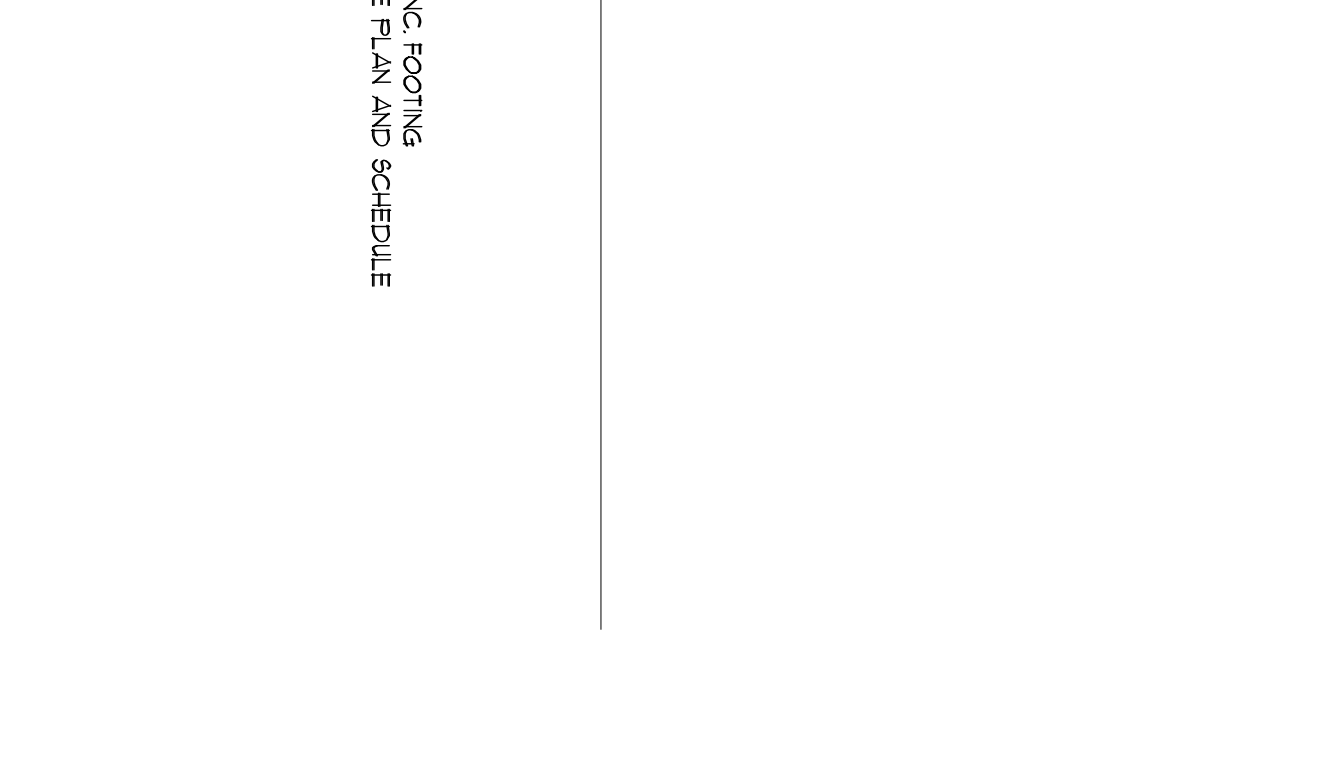
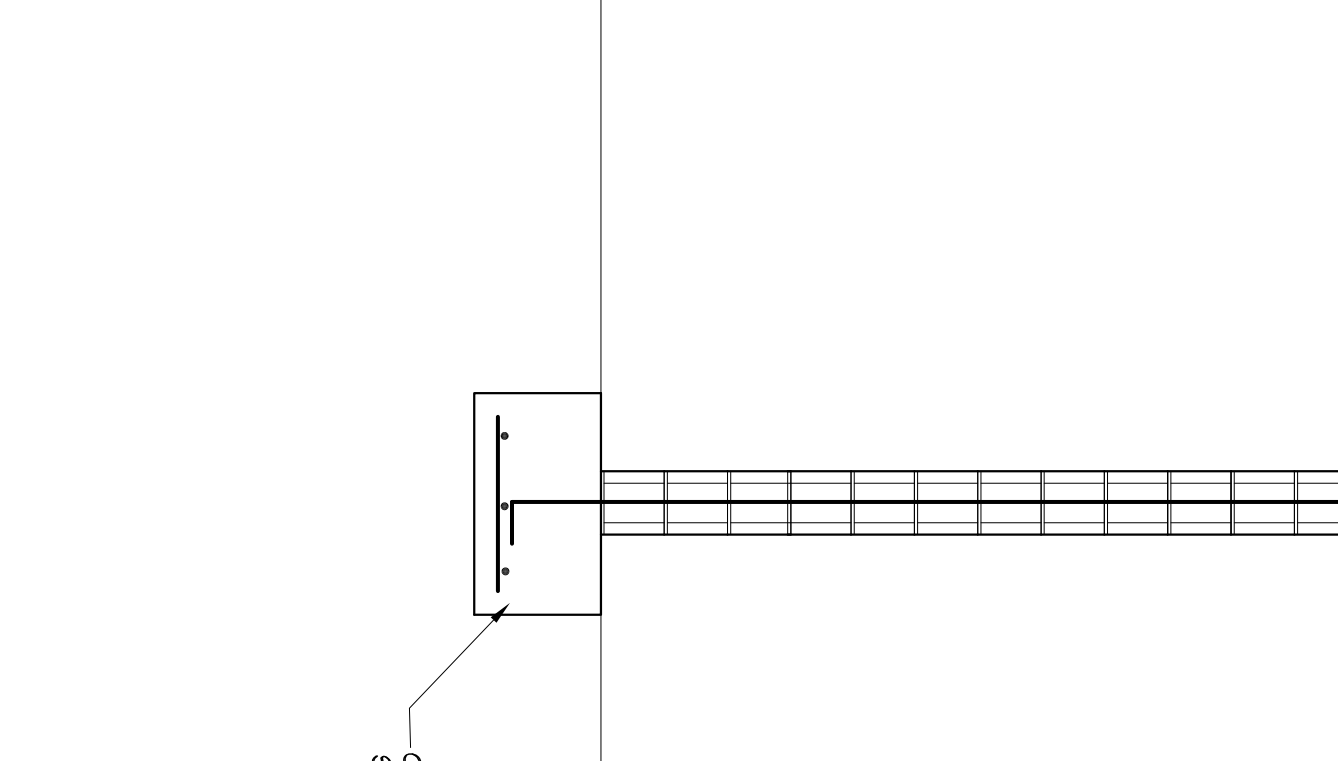
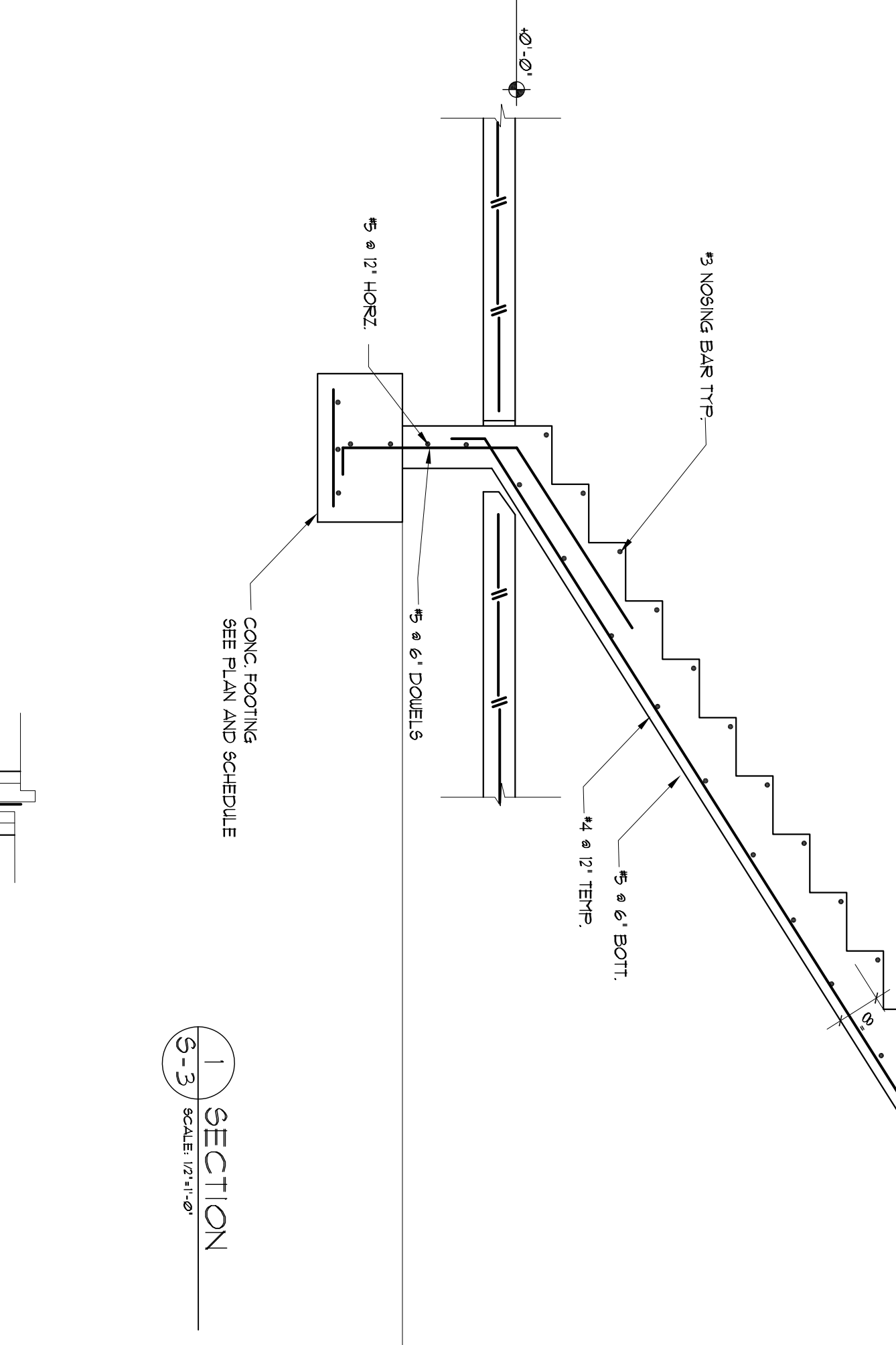
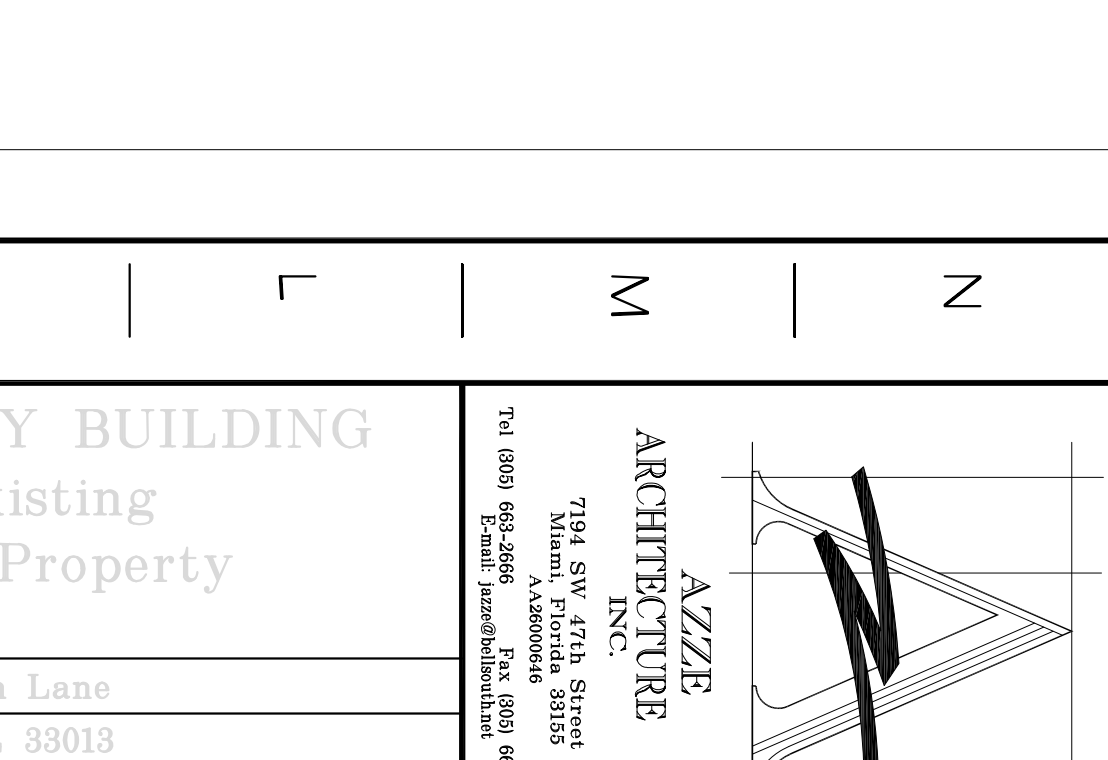
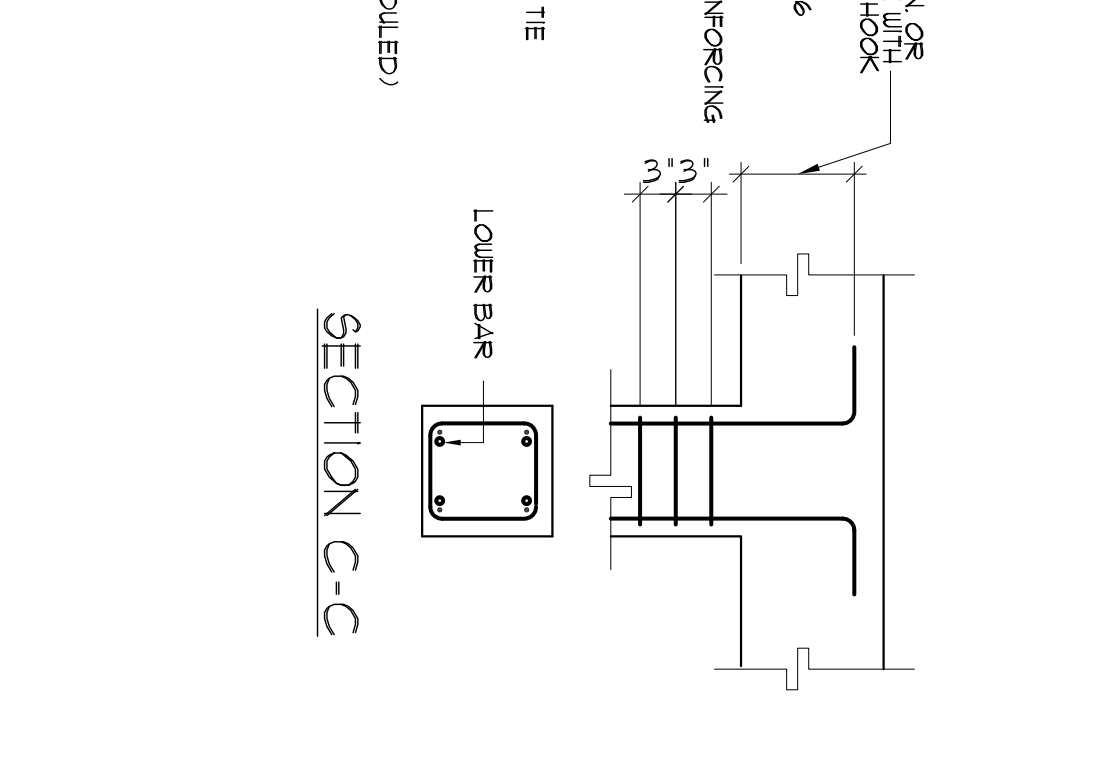
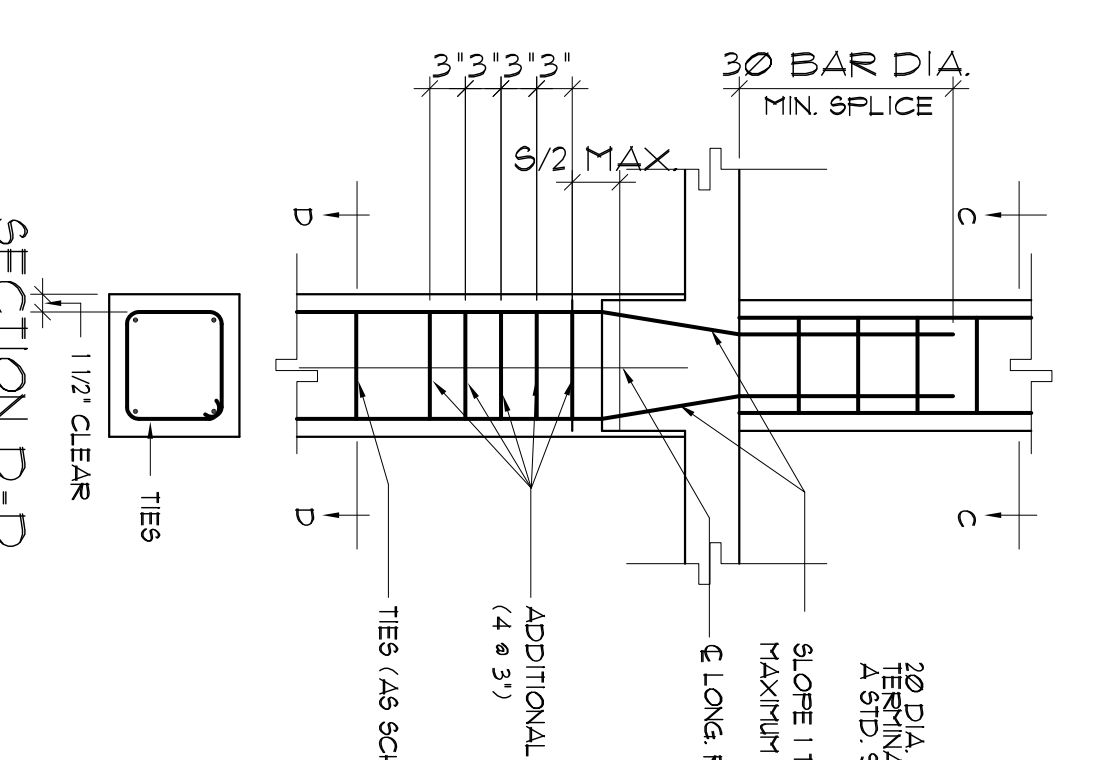
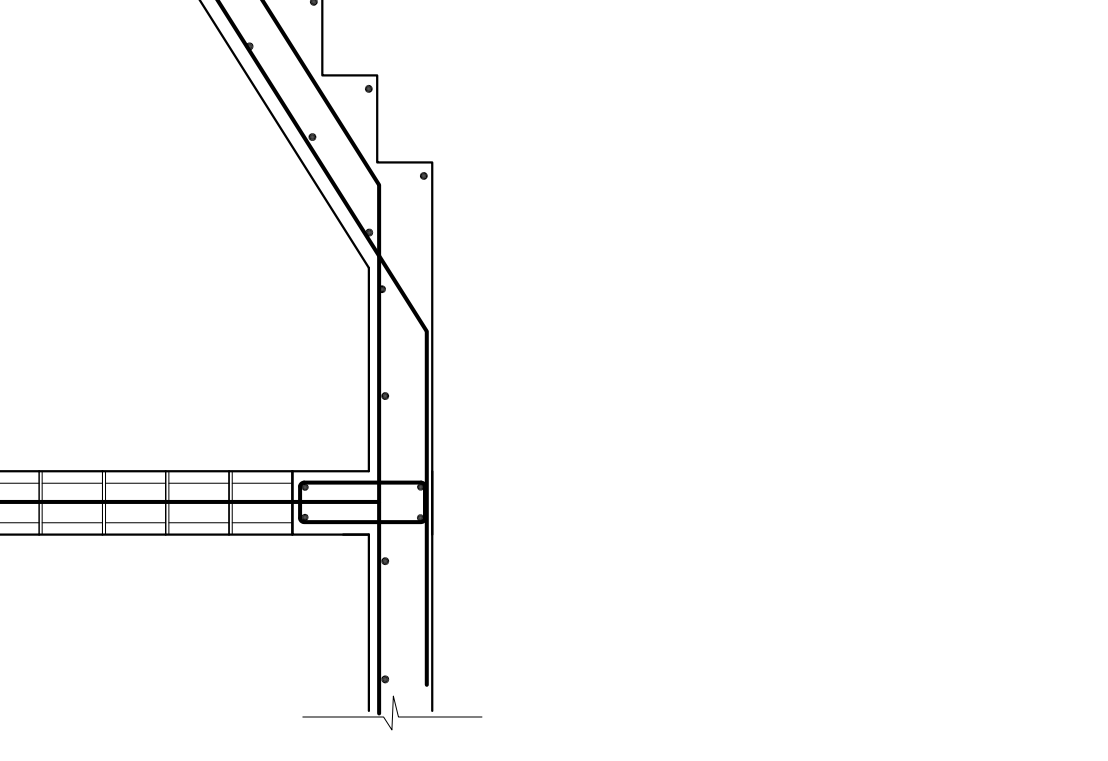
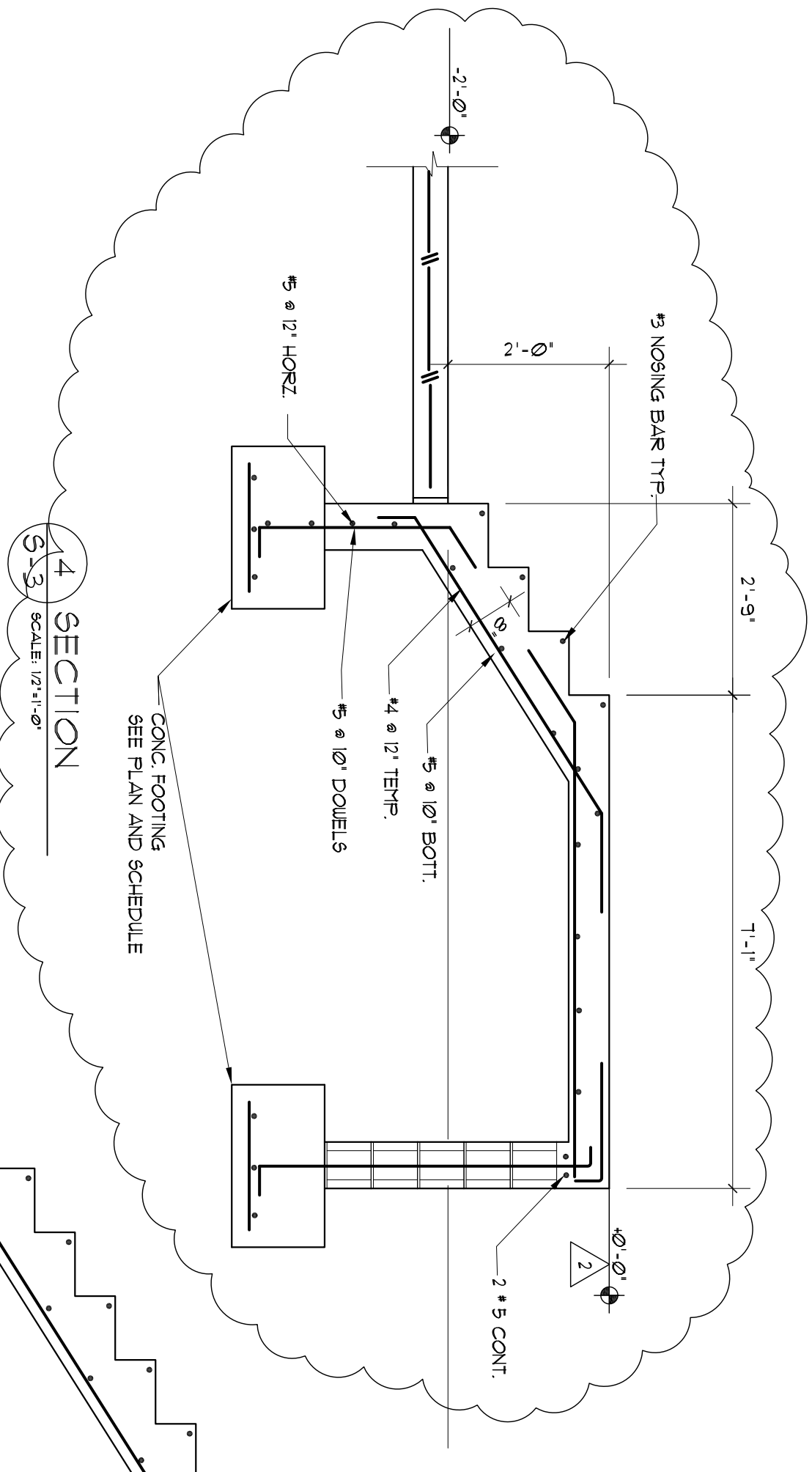
4733 E. 10th Lane
Hialeah, FL 33013

NO.	REVISIONS / SUBMISSIONS	DATE
1	B.D.C. 7/8/15	
2	B.D.C. 8/26/15	
3		
4		
5		
6		

JOSE L. GUZMAN P.E.
4889 SW 75TH AVENUE
MIAMI, FLORIDA 33155
PHONE: 786-338-1082
FAX: 305-550-0384
EMAIL: JOZUMANN@AOL.COM

JORGE S. AZZIE
14572-2
SCALE: 1/8" = 1'-0"

S-2



AZZIE ARCHITECTURE INC.
 714 SW 47th Street
 Suite 100
 Miami, Florida 33155
 Tel: (305) 682-2888
 Fax: (305) 682-2889
 Email: info@azziearch.com

NEW 2-STORY BUILDING
 for an Existing
 Industrial Property

4733 E. 10th Lane
 Hialeah, FL 33013

NO.	REVISIONS / SUBMISSIONS	DATE
1	B.D.C. 8/28/15	
2	B.D.C. 7/8/15	

PROJECT NO.	14572-2
SCALE	AS SHOWN
DRAWING NO.	53
DRAWING TITLE	TYPICAL DETAIL AT THE BEAM ELEVATION CHANGE

JOSE L. GUZMAN P.E.
 4889 SW 75TH AVENUE
 MIAMI, FLORIDA 33155
 PHONE: 786-538-1082
 FAX: 305-550-0384
 EMAIL: JOZL@AZZIEARCH.COM

COORDINATION:
 COORDINATE ALL DIMENSIONS, ELEVATIONS & OPENINGS WITH ARCHITECTURAL DRAWINGS REPORT ANY DISCREPANCIES TO OUR OFFICE
CONCRETE
 SLAB ON FILL: 4000 PSI
 ALL OTHER FORMED-IN-PLACE CONCRETE: 3000 PSI
 GROUT: 3000 PSI
FERT:
 A MIN. OF 5 CONCRETE SPECIENS SHALL BE TAKEN FROM EACH 500 SQ. YD. OF PORTION AND 3 AT 28 DAYS
 ALL CONCRETE BEING TESTED ACCORDING TO ASTM C-393 ONE AT 3', ONE AT 1', AND ONE AT 28 DAYS
 CONCRETE DEPOSITED AGAINST THE GROUND: 3"
 FORMED CONCRETE IN CONTACT WITH THE GROUND: 1 1/2"
 BEARING AND COLUMNS: 3"
 EXTERIOR SLABS: 1 1/2"
 POST-TENSIONED SLABS: 1"

SLAB ON FILL (PLACED ACCORDING TO ACI 302)
 JOINTS
 JOINTS MUST BE USED AT INTERSECTIONS WITH WALLS AND COLUMNS USE 1/2" THICK PERFORATED JOINTS FULL DEPTH OF SLAB
 CONTROL JOINTS PLACED AT CENTERLINE OF COLUMN LINES PROVIDE INTERMEDIATE JOINTS IF COLUMN SPACING IS GREATER THAN 30' N SIDEWALKS PROVIDE TOoled JOINTS SPACED AT INTERVALS EQUAL TO THE WIDTH OF THE SLAB
 1" DEEP TOoled
 4" x 4" SLABS: SLABS SAVED BEFORE PLACING AFTER CONCRETE
 CONSTRUCTION JOINTS MUST BE PLACED IN THE SLAB WHERE BUILDING EXPANSION JOINTS ARE SHOWN AND WHERE CONTROL JOINTS ARE SHOWN
 WHEN CONCRETING AND OPERATING ARE CONCLUDED FOR THE DAY, CONSTRUCTION JOINTS SHALL BE FORMED WITH BURSE KEPTED 6"x1" JOINTS WITH A PERMANENCE OF LESS THAN 0.2% VAPOR BARRIERS (OVERLAPPED 6"x1" JOINTS WITH A PERMANENCE OF LESS THAN 0.2% PERMANENCE IN ACCORDANCE WITH ASTM E-838 SHALL BE PROVIDED UNDER INTERIOR SLAB WHERE NO VAPOR BARRIER IS USED THE SUBGRADE MUST BE DAMPENED WITH WATER IN ADVANCE OF CONCRETING NO FREE WATER STANDING ON THE SUBGRADE NOR ANY MUDDY OR SOFT SPOTS IS PERMITTED
 JOINT STRUCTURAL: NEVER REINTEGRATE SLAB ON FILL, IS TO BE 1/2" PRE-CAST JOINT FILLER JOINTS WITH ASTM D192, TYPE 1
 NO PREPARATION FINISHING SHALL BE ALLOWED IMMEDIATE FOLLOWING TROUVELING WITH STEEL. REPAIRS SHOULD BE COMMENCED IF REQUIRED BY THE CONTRACTOR AFTER THE STEEL TROUVELING OPERATION.
 SLAB FINISHES (UNLESS OTHERWISE NOTED BY THE ARCHITECT)
 INTERIORS: TROUVELED
 OUTSIDE SLAB: BROOKED

REINFORCING STEEL:
 REINFORCING BARS CONFORMING TO ASTM A-305 GRADE 60 INCLUDING COLUMN AND BEAM TIES USED ON THE FABRIC CONFORMING TO ASTM A-185 AND SUPPORTED ON SLAB BOLTS BARS SPACED FABRICATION AND DETAILING ACCORDING TO ACI-315.
 ALL ACCESSORIES TO HAVE UPHELD LEGS AND BE PLACED 18" DIAPER AFTER FABRICATION

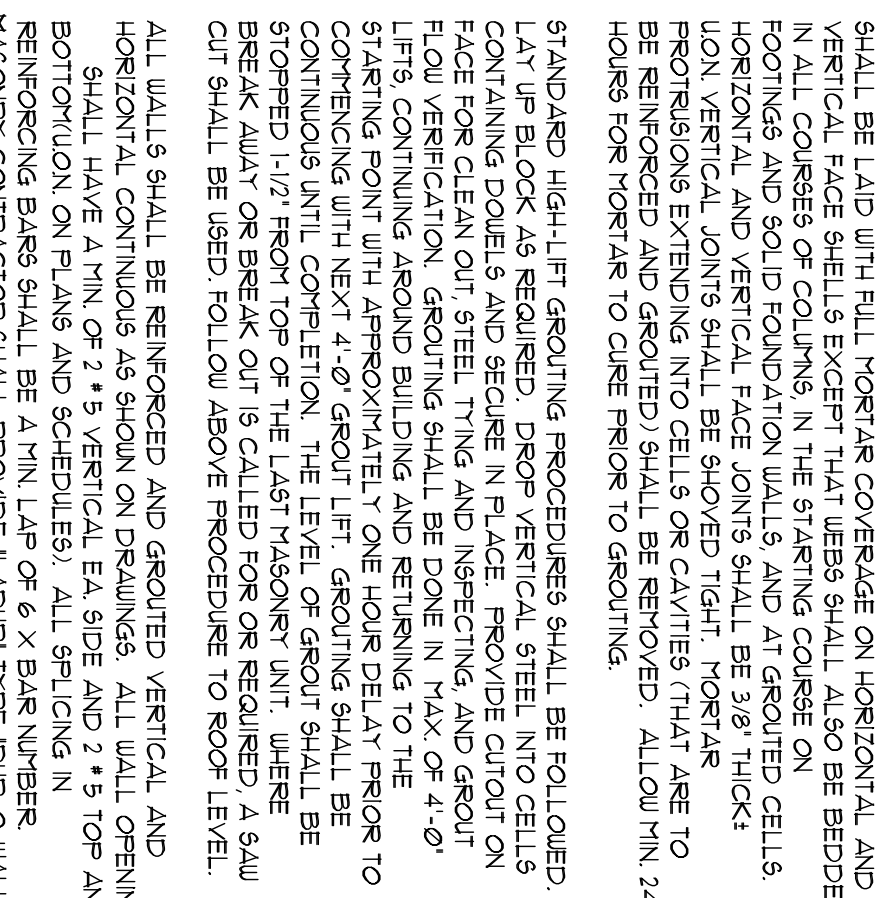
LOADS:
 ALL BUILDING SHOULD BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY ALL AS CE RTIFIED WELDERS
 CONTRACTORS TO USE E-10 SERIES LOW HYDROGEN ELECTRODES
DESIGN CRITERIA:
 SUPERIMPOSED LOADS
 LIVE LOAD: 20 PSF
 DEAD LOAD: 12 PSF
 FLOOR: 15 PSF
 FLOOR: 50 PSF
 LIGHT STORAGE: 125 PSF
 WIND LOAD: V-T10 FROM EXP. C, I.E., KC-1

OWNER ACCEPTED AND COORDINATED WORK:
 ALL COORDINATION AND CONSTRUCTION OF REINFORCEMENT IN THE FIELD ARE REQUIRED IF THIS OFFICE IS TO BE HELD RESPONSIBLE FOR THE STRUCTURAL ADEQUACY OF THE CONSTRUCTED BUILDING.
WORKING DRAWINGS AND TEMPORARY BRACING:
 ALL WORKING REINFORCEMENT AND TEMPORARY BRACING REQUIRED IN THIS PROJECT IS TO BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND BRACING DESIGN AND WHO HAS BEEN HIRED BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR IS THE ULTIMATE RESPONSIBLE PARTY FOR SHOPPING, RE-SHOPPING, AND TEMPORARY BRACING REQUIRED ON THIS PROJECT AND MUST SATISFY HIMSELF WITH THE ADEQUACY OF THE INSTALLATION OF THESE ITEMS AT ALL TIMES. IN THE SPECIFIC CASE OF THE FORMED SLABS IT IS THE RECORD DETERMINE THAT FROM THE SHOPPING DESIGNER OR HIS REPRESENTATIVE TO THE FIELD. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A CERTIFICATION OF THE INSTALLED BRACING.

SAFETY, CRANE AND LABOR LAWS:
 THE STRUCTURAL ENGINEER OF RECORD DOES NOT FORSEE NOR PRESUMES TO FORSEE ANY KNOWLEDGE OR EXPERIENCE IN THE FIELD TO JOB SITE SPECIFIC SAFETY SHALL ON LABOR LAWS AND LABOR LAWS ARE THE ABSOLUTE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THOSE CONSULTANTS HE HIRES TO ADDRESS THESE MATTERS. THE STRUCTURAL ENGINEER OF RECORD SPECIALIZES IN STRUCTURAL DESIGN ONLY AND THE BOARD OF PROFESSIONAL REGULATION FORBIDS HIM FROM ASSUMING RESPONSIBILITY OUTSIDE HIS AREA OF EXPERIENCE.
APPLICABLE CODES:
 -ALTHOUGH THE ENGINEER OF RECORD HAS STRIVED TO MEET ALL APPLICABLE CODES AND LOCAL ORDINANCE REQUIREMENTS, THE CONTRACTOR IS STILL RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CODES AND ORDINANCES OF THE EVENT OF CONFLICT OR OVERSIGHT IN THE DRAWINGS THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER UNDER WRITTEN NOTICE OF DISCREPANCY ENCOUNTERED SO THAT APPROPRIATE REMEDIES CAN BE TAKEN.
 -THE APPLICABLE CODES ARE:
 -FLORIDA BUILDING CODE 2002
 -ACI 308 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
 -ACI 318 MANUAL OF STEEL CONSTRUCTION, 8TH EDITION, AGCE 1-2000
SHOP DRAWINGS SUBMITTALS:
 -SUBMIT ONE SET/PAIR AND ONE PRINT OF ALL SHOP DRAWINGS LISTED BELOW IF SIGNED AND SEALED SHOP DRAWINGS ARE REQUIRED THEN SUBMIT TWO ADDITIONAL SIGNED AND SEALED PRINTS FOR APPROVAL.
 -REINFORCED STEEL.
 -STRUCTURAL STEEL.
 -CONCRETE MIX DESIGN.

STRUCTURAL STEEL:
 ALL STRUCTURAL STEEL PLATES SHALL CONFORM TO ASTM A-36
 HOT DIPPED GALVANIZED
 PLATES SHALL BE TOLEDED AFTER WELDING HAS TAKEN PLACE
 ALL STRUCTURAL STEEL WELDING SHALL BE PERFORM WITH A307
 ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A-307
 ALL BOLTS SHALL CONFORM TO ASTM A-305
 ALL STEEL SHALL CONFORM TO ASTM A-36
 ALL STRUCTURAL BEAMS SHALL BE CONCRETE FILLED AND CONFORM TO ALL APPLICABLE BEAM DESIGN REQUIREMENTS
 EACH COLUMN AT TOP BOTTOM AND MID-POINT (7' x 4' 6" x 5')
 PROVIDE ONE SHOP COAT OF RUST INHIBITING PAINT MIN. 3 MIL DRY FILM THICKNESS.
 FABRICATIONS AND ERECTIONS SHALL BE DONE IN ACCORDANCE WITH THE LATEST AISI SPECIFICATIONS.

MASONRY NOTES (TYPICAL FOR ALL LEVELS)
 1. ALL BLOCK WALLS SHALL BE TYP. CELL HOLLOW CONCRETE MASONRY BLOCK MANUFACTURED IN CONFORMANCE WITH ASTM C-90 AND PROJECT SPEC. THESE MASONRY UNITS SHALL PROVIDE A MINIMUM COMPRESSIVE STRENGTH Fm = 1500 PSI IN 28 DAYS AS DELIVERED TO THE JOB SITE. MANUFACTURER SHALL SUBMIT PRIOR TEST RESULTS FOR ALL MASONRY USED ON THE PROJECT TO THE ARCHITECT FOR REVIEW AND APPROVAL. ALL TESTS SHALL BE PERFORMED ON 18" x 18" x 8" TEST SPECIMENS. ALL TESTS SHALL BE MADE TESTED IN CONFORMANCE WITH ASTM C-140-90 AND TOGETHER WITH ASTM E-441. METHOD B AS MODIFIED IN ACI 530.01. MASONRY UNIT STRENGTH = 1500 PSI
 2. ALL GROUTING SHALL COMPLY WITH ASTM C-416 WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS. MIX SHALL HAVE 3/8" MAX. SIZE AGGREGATE WITH A MINIMUM SLUMP OF 8". GROUT SHALL BE SAMPLED AND TESTED AS PER ASTM C-393 WITH A MIN. OF 3 TESTS PER 50 TD OR LESS BEING PLACED EACH DAY.
 3. THE MORTAR SHALL BE USED EXCLUSIVELY ON THIS PROJECT AND PROPORTIONS AS OUTLINED UNDER ASTM C-71. HOLLOW UNITS SHALL BE LAID WITH FULL MORTAR COVER ON HORIZONTAL AND VERTICAL JOINTS EXCEPT THAT UNITS SHALL ALSO BE BEDDED IN MORTAR. ALL JOINTS SHALL BE FULLY BEDDED IN MORTAR. ALL HORIZONTAL AND VERTICAL FACE JOINTS SHALL BE 3/8" THICK. UNITS VERTICAL JOINTS SHALL BE SHOWED TIGHT. MORTAR PROTRUSIONS EXTENDING INTO CELLS OR CAVITIES THAT ARE TO BE REINFORCED AND GROUTED SHALL BE REMOVED. ALLOW MIN. 24 HOURS FOR MORTAR TO CURE PRIOR TO GROUTING.
 4. STANDARD HIGH-LIFT GROUTING PROCEDURES SHALL BE FOLLOWED. LAY UP BLOCK AS REQUIRED. DROP VERTICAL STEEL INTO CELLS CONTAINING DOUELS AND SECURE IN PLACE. PROVIDE CUTOFF ON FACE FOR CLEAN CUT STEEL TYPING AND INSPECTING, AND GROUT FILL CONCRETE GROUTING SHALL BE DONE IN MAX. OF 4'-0" (3') CONCRETE ABOVE BLOCK AND ABOVE STEEL CUTOFF TO 1" FROM TOP OF GROUTING. GROUTING SHALL BE STOPPED UNTIL COMPLETION. THE LEVEL OF GROUT SHALL BE STOPPED 1-1/2" FROM TOP OF THE LAST MASONRY UNIT. WHERE BREAK AWAY OR BREAK OUT IS CALLED FOR OR REQUIRED, A SAW CUT SHALL BE USED. FOLLOW ABOVE PROCEDURES TO ROOF LEVEL.
 5. ALL WALLS SHALL BE REINFORCED AND GROUTED VERTICAL AND HORIZONTAL CONTINUOUS AS SHOWN ON DRAWINGS. ALL WALL OPENINGS SHALL HAVE A MIN. OF 2' 5" VERTICAL EA. SIDE AND 2' 5" TOP AND BOTTOM ON PLAN AND SCHEDULES. ALL SPLICING IN REINFORCING BARS SHALL BE A MIN. LAP OF 6 X BAR NUMBER. MASONRY CONTRACTOR SHALL PROVIDE "LADDER" TYPE "DUP-C-WALL" HORIZONTAL REINFORCING AT ALTERNATE COURSE I.E. C/C UPON THE FACE OF THE WALL. ALL REINFORCING SHALL BE TYP. "DUP-C-WALL" PROVIDED AS SHOWN ON DRAWINGS AND SECTION 24. ALL UNITS REINFORCING BARS SHALL EXTEND NOT LESS THAN 24" BEYOND EA. SIDE OF ALL OPENINGS.
 6. MASONRY CONTRACTOR SHALL LAY BLOCK UNITS SO AS TO ACHIEVE TIGHT HEAD JOINTS AND SAWS BED JOINTS FOR SHAKE/SLIDE CONTROL AND WATER TIGHTNESS. MORTAR JOINTS SHALL BE TOoled WHEN PLAYS FROM TIGHT TO INCREASE WATER TIGHTNESS. ALL JOINTS SHALL BE FULLY BEDDED IN MORTAR. ALL JOINTS SHALL BE SHOWED TIGHT. WHERE BREAK AWAY OR BREAK OUT IS CALLED FOR A SAW CUT SHALL BE USED.
 1. CONTRACTOR SHALL RETAIN THE SERVICES OF AN INDEPENDENT TESTING LAB TO PROVIDE TESTING IN CONFORMANCE TO PLANS AND SPECIFICATIONS. ALL TESTING SHALL BE PAID BY THE OWNER.
 2. ALL MASONRY DESIGN AND CONSTRUCTION SHALL COMPLY WITH ACI 530-01 AND ACI 530.02
 3. PROVIDE # 3 TRUSS TYPE LADDER TYPE FOR REINFORCED MASONRY HORIZONTAL REINFORCING REINFORCING I.E. O/C IN ALL MASONRY WALLS IN ALL VERTICAL REINFORCEMENT PROVIDE FOUNDATION DOUELS AND STANDARD HOOKS AT TOP THE BEAM.
 4. PLICE VERTICAL MASONRY WALL REINFORCEMENT # 4 BAR DIAMETERS AS FOLLOWS.
 FOR # 5 BARS: 30"
 FOR # 6 BARS: 36"
 FOR # 8 BARS: 42"

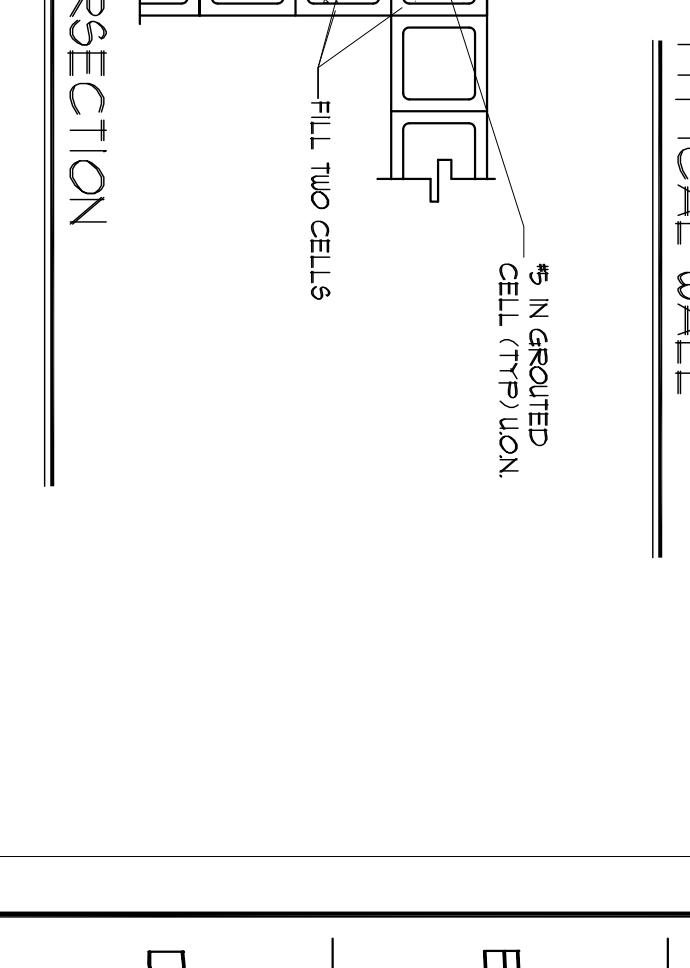
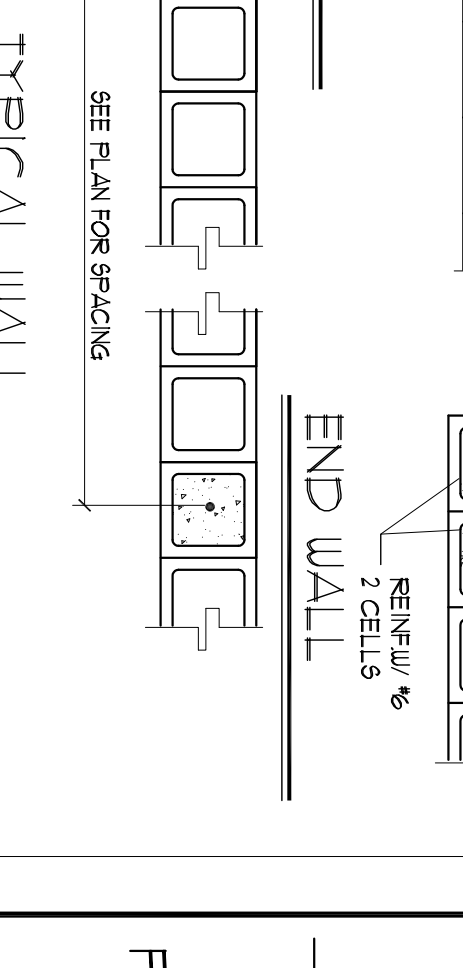
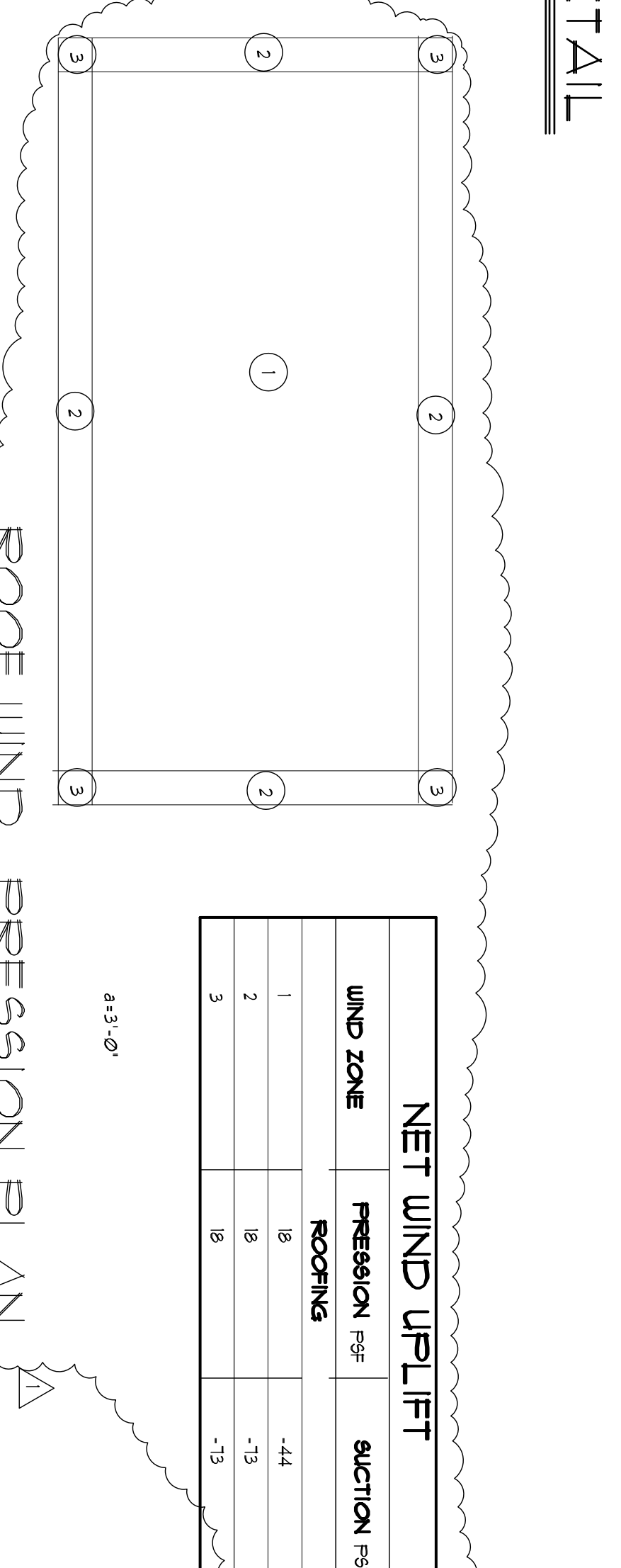
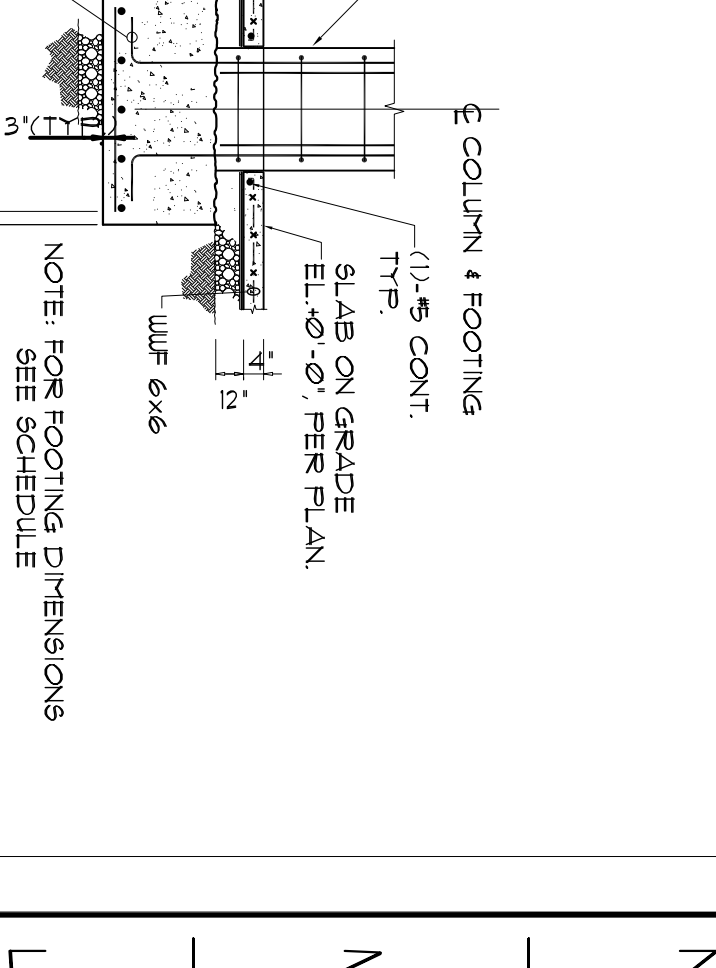
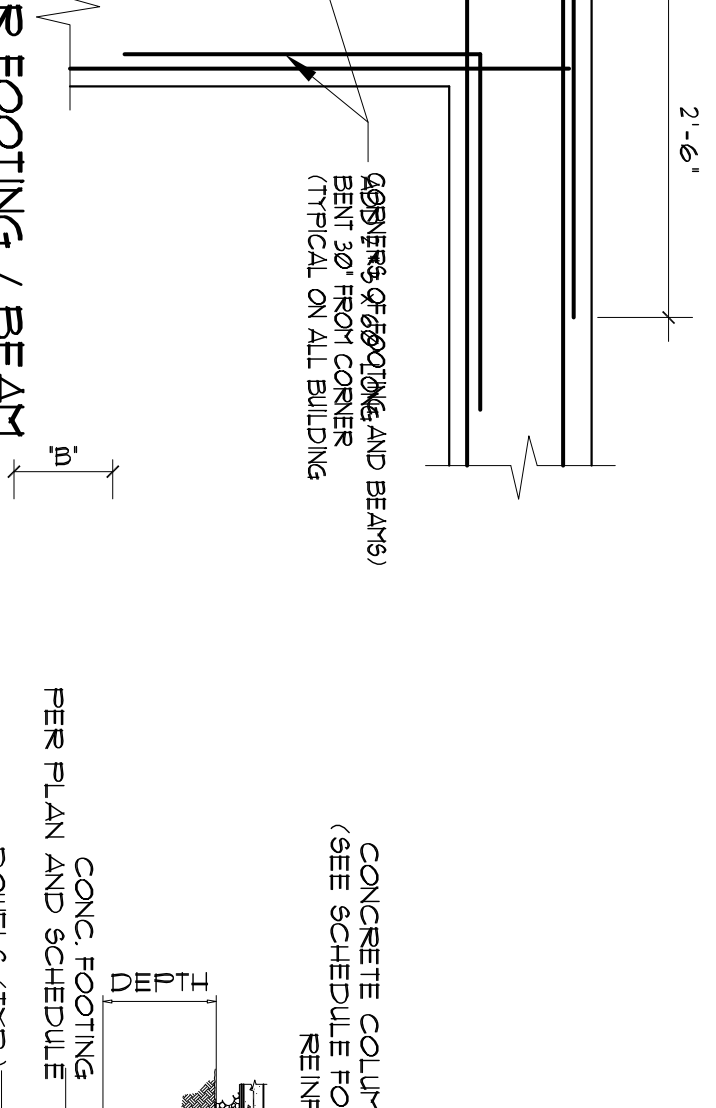
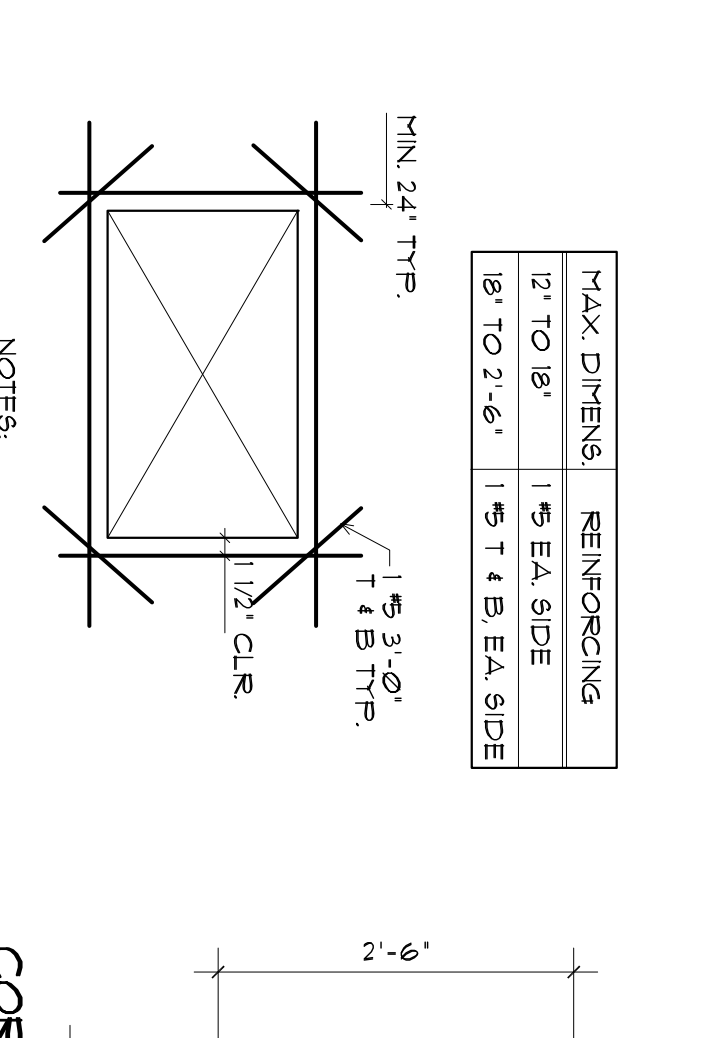


CONCRETE COLUMN SCHEDULE

MARK	SIZE	VERT. REINF.	TIES	REMARKS
1	8" X 20"	6 # 4	4 # 8	TYPE B
2	8" X 36"	6 # 1	4 # 8	TYPE B
TC-1	8" X 16"	6 # 4	4 # 8	TYPE B

FOOTING SCHEDULE

MARK	SIZE	REINF. EA. WAY BOT.	REMARKS
UF-3A	36" X 12"	4 # CONT.	4 # 8 (E) TRANSV.
UF-2A	24" X 12"	3 # CONT.	4 # 8 (E) TRANSV.
F-5	5'-0" X 5'-0" X 14"	1 # 5	



NET WIND UPLIFT

WIND ZONE	PRESSION PSF	SUCTION PSF
1	10	-44
2	10	-13
3	10	-13

JOSE L. GUZMAN P.E.
 4889 SW 75TH AVENUE
 MIAMI FL, FLORIDA 33155
 (305) 556-1855
 EMAIL: JOSE@GUZMANA.BA@AOL.COM

NO.	REVISIONS / SUBMISSIONS	DATE
1	B.D.C. 8/26/15	
2	B.D.C. 7/8/15	

PROJECT:
 1. CARPOTE
 14572-2

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

ARCHITECT OR ENGINEER OF RECORD:
 JORGE S. AZZE
 CIVIL ENGINEER

NO. OF SHEETS:
 10 of 14

DATE:
 8/26/15

FILE NAME:
 S-4

NEW 2-STORY BUILDING
 for an Existing Industrial Property

4733 E. 10th Lane
 Hialeah, FL 33013

AZZAR ARCHITECTURE INC.
 7191 SW 47th Street
 Suite 100
 Miami, FL 33155
 Tel: (305) 486-2464 Fax: (305) 660-2885