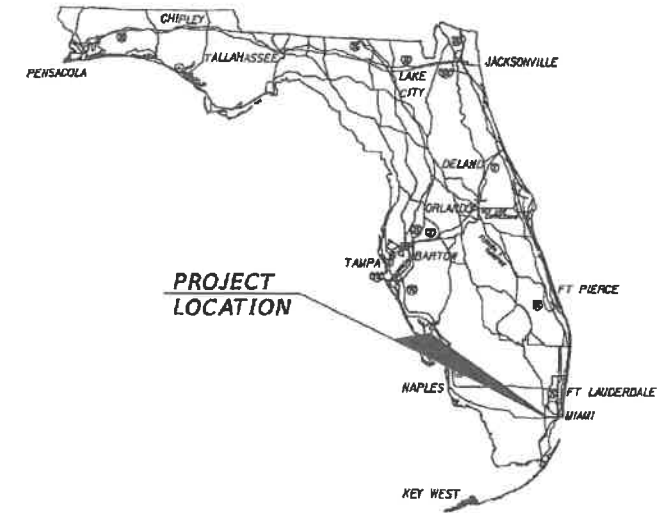


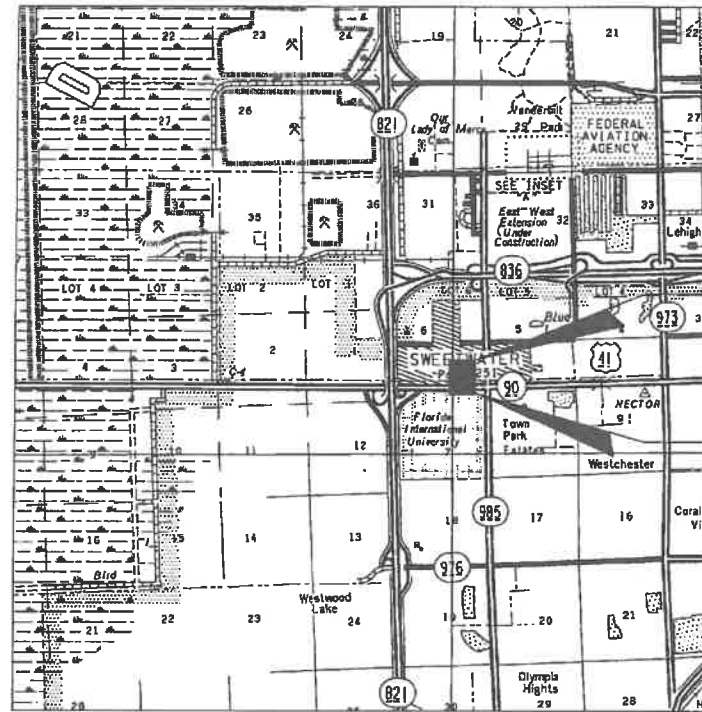
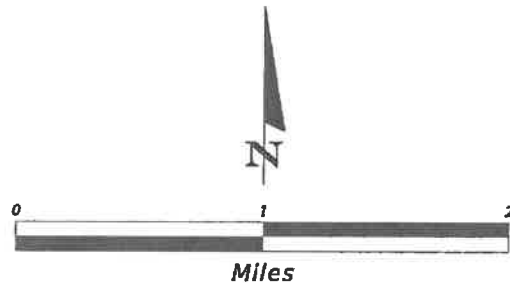
FLORIDA INTERNATIONAL UNIVERSITY AND CITY OF SWEETWATER UNIVERSITY CITY R.F.C. FOUNDATION PLANS

FINANCIAL PROJECT ID - 434688-1-58-01
CONTRACT BT-904
MIAMI-DADE COUNTY
UNIVERSITY CITY PROSPERITY PROJECT



INDEX OF PROJECT PLANS

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HB-01 THRU HB-03	HARDSCAPE
IB-01 THRU IB-05	IRRIGATION
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R-1 THRU R-49	ROADWAY
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BW-0 THRU BW-14	WALL W-1
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E-00 THRU E-10	ELECTRICAL
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END PROJECT
STA. 37+88.69

BEGIN PROJECT
STA. 30+17.87

LOCATION MAP
SECTION 5 & 6, TOWNSHIP 55 SOUTH, RANGE 39 EAST
MIAMI-DADE COUNTY, FLORIDA

PREPARED FOR:



PLANS PREPARED BY:



424 North Calhoun Street
Tallahassee, Florida 32301
Tel. (850) 224-7400
Florida Certificate of Authorization 5618

STRUCTURAL PLANS
ENGINEER OF RECORD

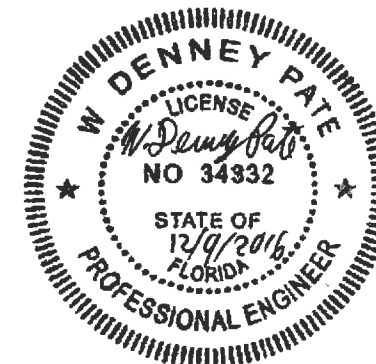
W. DENNEY PATE, P.E.
LICENSE NUMBER 34332

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2015, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2015, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-15

For Design Standards Modification Click on "Design Standards" at the following web site:
<https://www.dot.state.fl.us/rddesign/>

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

FISCAL YEAR	SHEET NO.
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*	B-55	CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II		

NOTES:

* SHEETS INCLUDED IN THIS SUBMITTAL



REVISIONS						ENGINEER OF RECORD:			DRAWN BY:			SHEET TITLE:		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332			FLORIDA INTERNATIONAL UNIVERSITY			INDEX OF DRAWINGS		
						DESIGNED BY:	ROAD NO.	COUNTY	PROJECT ID	PROJECT NAME:	UNIVERSITYCITY PROSPERITY PROJECT			
						CHECKED BY:								
						DESIGNED BY:								
						CHECKED BY:								

CONSTRUCTION SPECIFICATIONS:

1. FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2015.
2. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECOND EDITION, 2004 WITH INTERIMS THROUGH 2006.

DESIGN SPECIFICATIONS:

1. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS SEVENTH EDITION WITH 2015 INTERIMS.
2. FDOT STRUCTURES DESIGN MANUAL, JANUARY 2015.
3. AASHTO LRFD GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES, SECOND EDITION (2009).
4. CEB-FIP MODEL CODE, FIRST EDITION, 1990, TIME DEPENDENT BEHAVIOR OF CONCRETE, CREEP AND SHRINKAGE.
5. AASHTO/AMERICAN WELDING SOCIETY (AWS) D1.5 BRIDGE WELDING CODE (2005).
6. 28 CODE OF FEDERAL REGULATIONS PART 36, 2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN.
7. AASHTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES, 1999.
8. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14.
9. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, TMS 402-13 CODE.

DESIGN METHODS:

LOAD AND RESISTANCE FACTOR DESIGN METHOD (LRFD).

DESIGN LOADINGS:

1. DEAD LOAD

UNIT WEIGHT OF REINFORCED/PRESTRESSED CONCRETE	150 PCF
UNIT WEIGHT OF STRUCTURAL STEEL	490 PCF
PEDESTRIAN FENCE ALLOWANCE (EACH SIDE)	200 PLF
OVERLAY ALLOWANCE	6.25 PSF
UTILITIES ALLOWANCE	350 PLF

2. LIVE LOAD

PEDESTRIAN LOADING	90 PSF
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3. FUTURE WEARING SURFACE

ALLOWANCE FOR FUTURE WEARING SURFACE IS NOT PROVIDED.

4. STAY-IN-PLACE FORMS

THE USE OF STAY-IN-PLACE FORMS IS NOT PERMITTED.

5. WIND LOADS

WIND LOAD FOR STRUCTURAL MEMBERS WAS COMPUTED IN ACCORDANCE WITH FDOT STRUCTURES DESIGN GUIDELINES. THE GUST FACTOR FOR THE PYLON IS EQUAL TO 0.86.

6. THERMAL LOADS

NORMAL MEAN TEMPERATURE:	70° F
THERMAL COEFFICIENT:	6.0x10 ⁻⁶ /°F (CONCRETE)
TEMPERATURE RANGE FOR DESIGN OF STRUCTURES:	
RISE: 35° F (CONCRETE)	
FALL: 35° F (CONCRETE)	

7. EARTHQUAKE EFFECTS

BRIDGE IS DESIGNED TO MEET THE MINIMUM BEARING SUPPORT. EARTHQUAKE EFFECT WAS COMPUTED IN ACCORDANCE WITH SECTION 2.3 OF THE STRUCTURE DESIGN GUIDELINES.

8. VEHICULAR COLLISION

THE PYLON BASE SUPPORTING THE BRIDGE IS DESIGNED TO RESIST A 600K IMPACT LOAD PER FDOT 2015 STRUCTURE DESIGN GUIDELINES.

9. VIBRATION

THE STRUCTURE SATISFIES THE HORIZONTAL AND VERTICAL VIBRATION CRITERIA SPECIFIED IN CHAPTER 6 OF THE AASHTO LRFD PEDESTRIAN BRIDGE SPECIFICATIONS.

SCREEDING DECK SLABS:

THE DECK SHALL BE SCREEDED TO CREATE THE TRANSVERSE SLOPE SHOWN IN THE PLANS. APPLY A CLASS 4 DECK FINISH TO ALL WALKING SURFACES IN ACCORDANCE WITH SECTION 400-15.2.5.2 OF THE SPECIFICATIONS. GRIND UP TO ¼" TO ENSURE A UNIFORM TEXTURE OF THE FINAL COMPLETED STRUCTURE.

GENERAL NOTES

DECK FINISH:

PROFILING OF BRIDGE DECK SURFACE SHALL NOT BE REQUIRED. GRIND ALL SURFACE IRREGULARITIES IN ACCORDANCE WITH SECTION 400-15.2.5.4 OF THE SPECIFICATIONS.

SCOUR:

SCOUR WILL BE CONSIDERED IN THE DESIGN OF THE SUBSTRUCTURE WITH SCOUR ELEVATION BASED ON THE 100 AND 500 YEAR FLOOD EVENT.

UTILITIES:

UTILITIES ON THE BRIDGE ARE LIMITED TO ELECTRICAL SYSTEMS TO SUPPORT THE LIGHTING.

CONCRETE:

1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 346 OF THE STANDARD SPECIFICATIONS, OR AS MODIFIED BY THE ENGINEER.

CLASS	MINIMUM 28 DAY COMPRESSIVE STRENGTH	LOCATION
VI	8500 PSI	SUPERSTRUCTURE, PYLON
V (SPECIAL)	6000 PSI	PRECAST PILE
IV	5500 PSI	FOOTINGS, PIERS, PIER PROTECTION BARRIER

2. PROVIDE ¾" x ¾" CHAMFER ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.
3. CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT LOCATIONS INDICATED ON THE PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE WRITTEN APPROVAL OF THE ENGINEER.
4. FINISH COATING: A CLASS 1 SURFACE FINISH SHALL BE APPLIED TO THE SUPERSTRUCTURE (EXCEPT THE TOP DECK) AND A CLASS 3 SURFACE FINISH SHALL BE APPLIED TO THE PIERS AND PYLON FACES.

PRESTRESSING STRANDS:

STRANDS - ASTM A416, GRADE 270, LOW RELAXATION	
STRAND DIAMETER	0.6 INCH
MODULUS OF ELASTICITY	28,500 KSI
MAXIMUM JACKING STRESS	218.7 KSI
MAXIMUM ANCHORING STRESS	
AWAY FROM ANCHORAGES	199.8 KSI
AFTER ANCHOR SET AT ANCHOR	189.0 KSI
ANCHOR SET	0.375 INCH
FRICTION COEFFICIENT	0.23 (PLASTIC DUCT)
WOBBLE COEFFICIENT	0.00020 PER FT. (INTERNAL)

PRESTRESSING BARS:

BARS - ASTM A722, GRADE 150	
APPARENT MODULUS:	29,000 KSI
MAXIMUM JACKING STRESS:	120 KSI (80% GUTS)
MAXIMUM ANCHORING STRESS:	105 KSI (70% GUTS)
AFTER ANCHOR SET	105 KSI (70% GUTS)
ANCHOR SET	0

POST-TENSIONING DUCTS:

THE TYPE AND MATERIAL OF DUCT SHALL COMPLY WITH SECTION 462 OF THE FDOT SPECIFICATIONS.

STRUCTURAL STEEL:

1. MATERIAL PROPERTIES FOR STRUCTURAL STEEL SHALL BE DETERMINED IN ACCORDANCE WITH THE SPECIFICATIONS SECTION 962.
2. ALL STEEL ELEMENTS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH SPECIFICATIONS SECTION 460.
3. FOR ALL MISCELLANEOUS STEEL ITEMS PERMANENTLY CAST IN THE DECK, USE GALVANIZED STEEL, STAINLESS STEEL, OR APPROVED COATING SYSTEM.

REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.

ENVIRONMENT:

SUPERSTRUCTURE:	MODERATELY AGGRESSIVE
SUBSTRUCTURE:	MODERATELY AGGRESSIVE (CONCRETE) EXTREMELY AGGRESSIVE (STEEL)
LOCATION:	URBAN

CONCRETE COVER:

CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE REINFORCEMENT PLACEMENT AND FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER". SEE FDOT STANDARD SPECIFICATIONS FOR ALLOWABLE REINFORCEMENT PLACEMENT TOLERANCES. UNLESS OTHERWISE NOTED, MINIMUM COVER SHALL BE AS FOLLOWS:

LOCATION	COVER	FOOTINGS	
		LOCATION	COVER
CANOPY (TOP)	2¼"	CAST AGAINST EARTH (BRIDGE)	4"
CANOPY (OTHER)	2"	CAST AGAINST EARTH (BUILDING)	3"
DECK (TOP)	2¼"	CAST AGAINST FORMED SURFACES	3"
DECK (OTHER)	2"		
DIAGONALS	2"		
BEARING	2"		
PEDESTALS	2"		
LANDING PIERS	3"		
PYLON BASE	3"		
UPPER PYLON	2"		

DIMENSIONS AND ELEVATIONS:

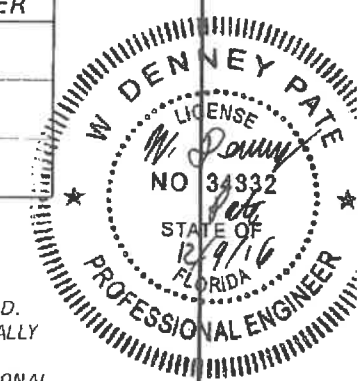
1. ALL DIMENSIONS ARE IN FEET AND INCHES EXCEPT AS NOTED.
2. ALL DIMENSIONS ARE MEASURED HORIZONTALLY AND VERTICALLY UNLESS NOTED OTHERWISE.
3. ALL ELEVATIONS ARE IN FEET AND ARE BASED ON 1929 NATIONAL GEODETIC VERTICAL DATUM (NGVD29).

FUTURE BEARING REPLACEMENT:

1. JACK LOCATIONS AND ESTIMATED LOADS ARE FOR USE IN THE EVENT THAT IT BECOMES NECESSARY TO REPLACE THE BEARING PADS.
2. THE JACKING OPERATION SHALL BE PERFORMED SUCH THAT THE DECK AT A PIER IS LIFTED SIMULTANEOUSLY. JACKING SHALL CONTINUE UNTIL THE BEARING PADS CAN BE FREED BUT IN NO CASE SHALL THE CLEAR SPACE BETWEEN THE DECK AND THE BEARING EXCEED ½".
3. JACKS SHALL BE EQUIPPED WITH LOCKING RINGS THAT WILL PREVENT MOVEMENT IN THE EVENT HYDRAULIC PRESSURE IS LOST. JACKS SHALL BE LOCKED OFF PRIOR TO REMOVAL OF THE BEARING PADS.
4. SHIM PLATES SHALL BE PROPERLY SIZED TO LIMIT THE ULTIMATE BEARING STRESS ON CONCRETE ACCORDING TO ARTICLE 5.7.5 OF THE AASHTO LRFD SPECIFICATIONS.
5. DURING PAD REPLACEMENT, BRIDGE SHALL BE KEPT OPEN WITH REDUCED LIVE LOAD.

ENVIRONMENTAL:

1. THIS PROJECT CROSSES THE SFWMD TAMIAMI (C-4) CANAL. TURBIDITY LEVELS BEYOND THE CONTROL MECHANISMS ARE NOT ALLOWED TO EXCEED 29 (NTU'S) ABOUT NATURAL BACKGROUND LEVELS. THE DISCHARGE OF ANY FOREIGN MATERIAL INTO THE WATER SHALL NOT BE PERMITTED.
2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE ENVIRONMENTAL AND RIGHT OF WAY PERMITS WHICH ARE PART OF THIS PROJECT.
3. ANY MATERIAL STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
4. THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE FIU ENGINEER (JOSE E. MORALES, BOLTON PEREZ & ASSOCIATES, 786-539-9629) AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO USE.
5. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED WITHIN OR ADJACENT TO THE BROTHERS TO THE RESCUE MEMORIAL PLAZA, JAMES M. BEASLEY LINEAR PARK EAST OF SW 109TH AVE, THE TAMIAMI CANAL EAST OF SW 109TH AVENUE, OR THE HISTORIC SWEETWATER BRIDGE.
6. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT WILL BE ALLOWED WITHIN OR ADJACENT TO JAMES M. BEASLEY LINEAR PARK WEST OF SW 109TH AVE OR THE TAMIAMI CANAL WEST OF SW 109TH AVENUE, EXCEPT AS SPECIFICALLY SHOWN IN THE PLANS AND APPROVED BY THE REGULATORY AGENCIES.



REVISIONS				ENGINEER OF RECORD:			DRAWN BY:			SHEET TITLE:			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB			GENERAL NOTES (1 OF 2)				
						 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818 W. DENNEY PATE, P.E. - P.E. NO. 34332			 ROAD NO. COUNTY PROJECT ID MIAMI - DADE 434688-1-58-01			UNIVERSITYCITY PROSPERITY PROJECT SHEET NO. 8 - 2	

GENERAL NOTES (CONT.)

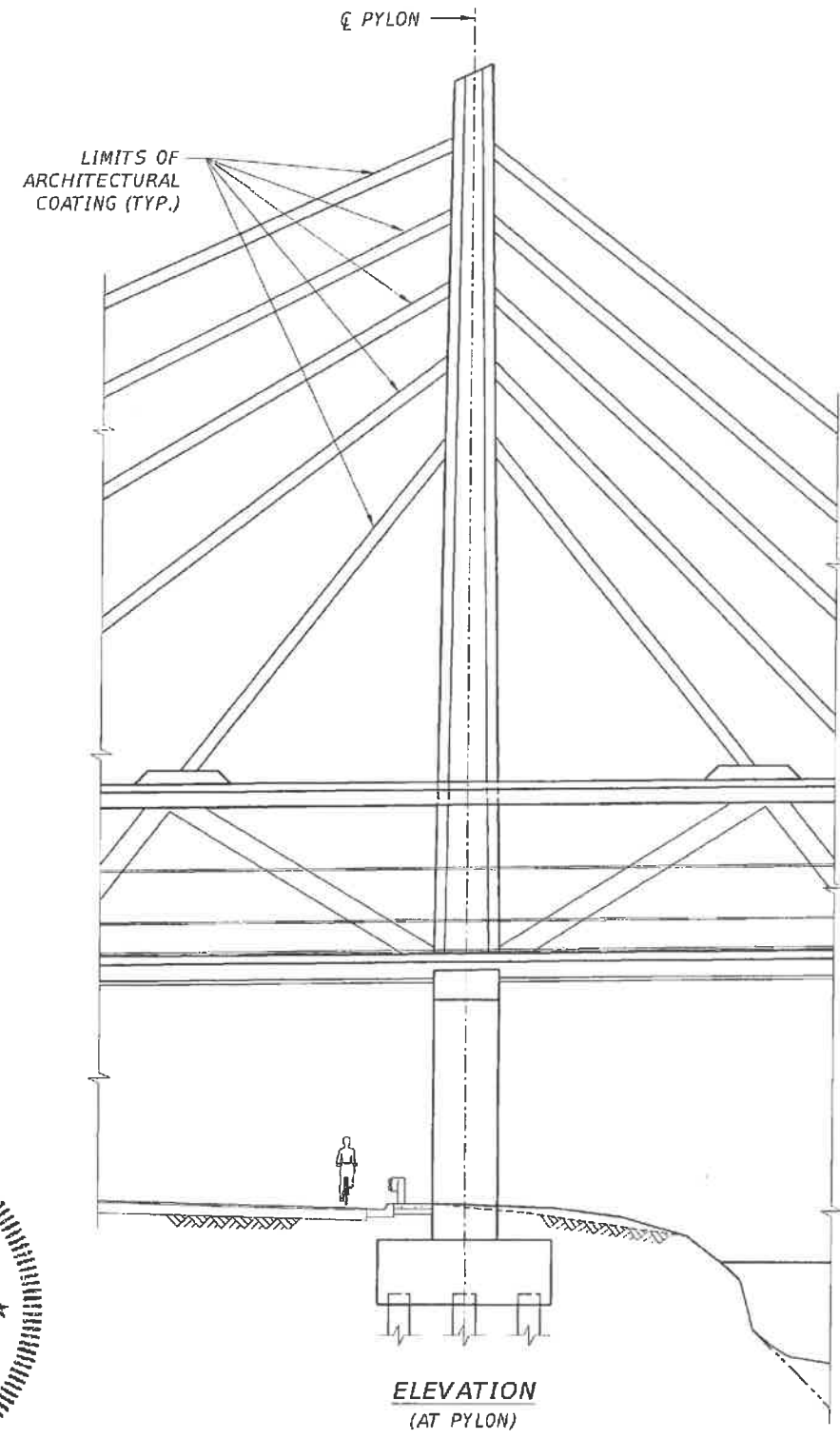
GEOTECHNICAL:

1. THE FOOTINGS BEARING ON THE NATURAL LIMESTONE FORMATION WERE DESIGNED USING A MAXIMUM FACTORED BEARING RESISTANCE OF 14,000 POUNDS PER SQUARE FOOT (PSF) WITH A RESISTANCE FACTOR (F) OF 0.45.
2. SPREAD FOOTINGS SHALL BEAR ON THE SURFACE OF THE EXISTING NATURAL LIMESTONE FORMATION.
3. A GEOTECHNICAL ENGINEER FROM GEOSOL SHALL INSPECT THE FOOTING BEARING SURFACES FOR THE INTEGRITY OF THE NATURAL LIMESTONE FORMATION SURFACE.
4. IF SANDY SOILS ARE ENCOUNTERED AT THE LEVEL OF THE FOUNDATION DESIGN ELEVATIONS, THESE SOILS SHALL BE EXCAVATED TO THE SURFACE OF THE LIMESTONE FORMATION AND REPLACED WITH LEAN CONCRETE OR GROUT TO THE FOUNDATION BEARING ELEVATIONS.
5. IF POCKETS OF SOFT SOILS OR SOLUTION FEATURES IN THE FORM OF SLOTS OR CHIMNEYS INFILLED WITH LOOSE SAND ARE FOUND AT THE SURFACE OF NATURAL LIMESTONE FORMATION AT THE TIME OF FOUNDATION CONSTRUCTION, THEY SHALL BE EXCAVATED TO A DEPTH OF THREE (3) TIMES THE FEATURE WIDTH OR DIAMETER AND BACKFILLED WITH LEAN CONCRETE OR GROUT.
6. THE SOUTH GRAND STAIR FOOTING SHALL BE CONSTRUCTED AFTER ALL FOOTINGS SUPPORTING THE LANDING AND BRIDGE ARE CAST ON THE SOUTH SIDE. THE SOUTH GRAND STAIR FOOTING MAY BEAR ON COMPACTED FILL SOIL APPROVED BY THE GEOTECHNICAL ENGINEER.

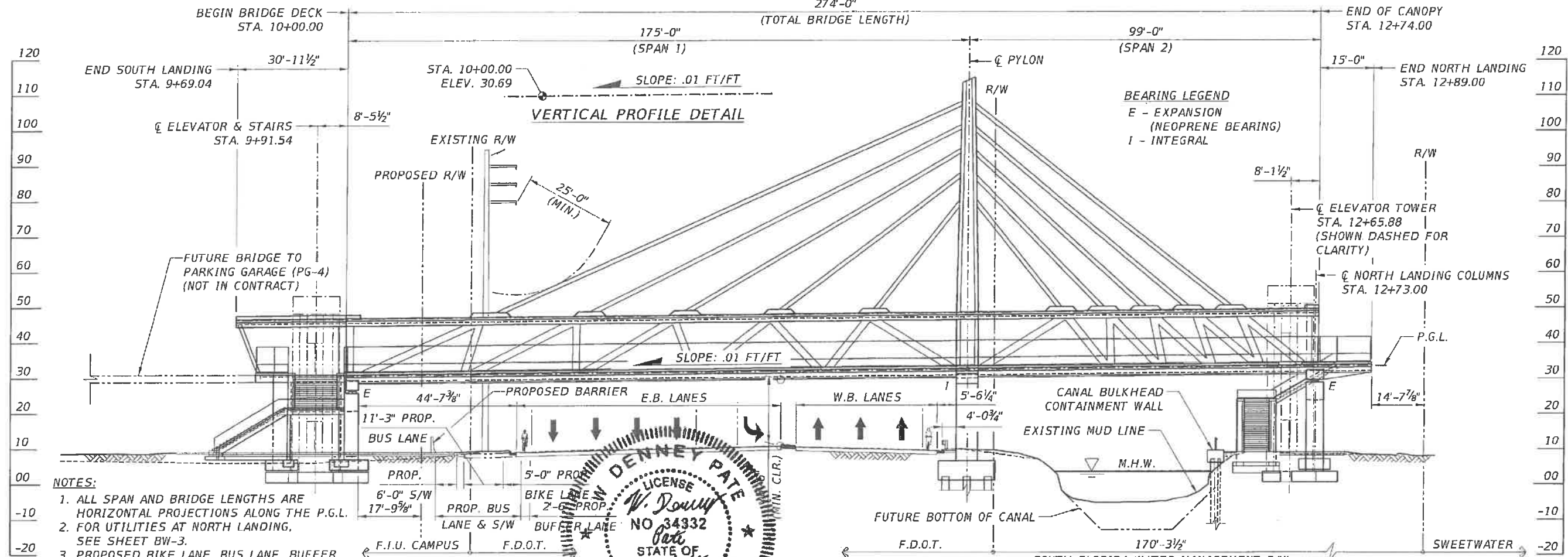
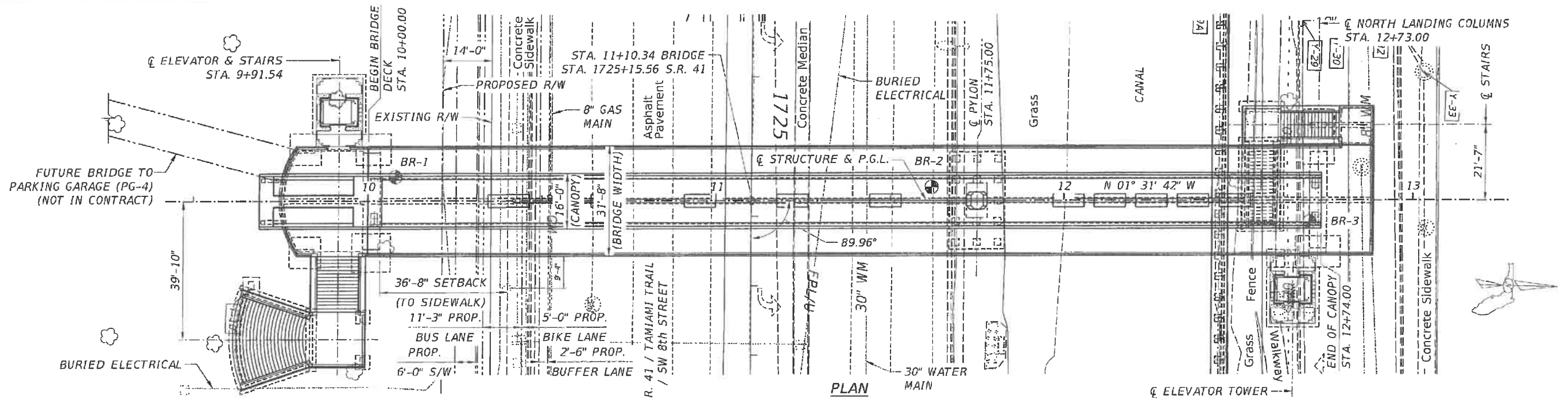
LIST OF FREQUENTLY USED ABBREVIATIONS

<p>AASHTO - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS</p> <p>APPROX. - APPROXIMATE</p> <p>ASTM - AMERICAN SOCIETY FOR TESTING MATERIALS</p> <p>B - BASELINE</p> <p>BE - BURIED ELECTRIC</p> <p>BF - BACK FACE</p> <p>BOS - BACK OF SIDEWALK</p> <p>BOT. or BTM. - BOTTOM</p> <p>BRG. - BEARING</p> <p>BT - BURIED TELEPHONE CABLE</p> <p>BTWN. - BETWEEN</p> <p>CL - CENTERLINE</p> <p>CIP - CAST-IN-PLACE</p> <p>CLR. - CLEAR</p> <p>CJ - CONSTRUCTION JOINT</p> <p>CONC. - CONCRETE</p> <p>CONST. - CONSTRUCTION</p> <p>CY - CUBIC YARD</p> <p>D - DEGREE OF CURVATURE</p> <p>DIA. - DIAMETER</p> <p>DIM. - DIMENSION</p> <p>EA or EA. - EACH</p> <p>EB - END BENT</p> <p>EF - EACH FACE</p> <p>ELEV. - ELEVATION</p> <p>EQ. - EQUAL</p> <p>ES. - EACH SIDE</p> <p>EXIST. - EXISTING</p> <p>EXP. or E - EXPANSION</p> <p>F - FIXED</p> <p>FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION</p> <p>FF - FAR FACE</p> <p>FFBW - FRONT FACE OF BACK WALL</p> <p>FFRW - FRONT FACE OF RETAINING WALL</p> <p>FT. - FEET</p> <p>HORIZ. - HORIZONTAL</p> <p>IN. - INCH</p> <p>INT. - INTERMEDIATE</p> <p>JT. - JOINT</p> <p>L - LENGTH OF CURVE</p> <p>MHC - MINIMUM HORIZONTAL CLEARANCE</p> <p>MAX. - MAXIMUM</p>	<p>MHW - MEAN HIGH WATER</p> <p>MIN. - MINIMUM</p> <p>MISC. - MISCELLANEOUS</p> <p>MLW - MEAN LOW WATER</p> <p>MOT - MAINTENANCE OF TRAFFIC</p> <p>N/A - NOT APPLICABLE</p> <p>NF - NEAR FACE</p> <p>NO. - NUMBER</p> <p>NPW - NON POTABLE WATERLINE</p> <p>NTS - NOT TO SCALE</p> <p>OE - OVERHEAD ELECTRIC</p> <p>P - PLATE</p> <p>PC - POINT OF CURVATURE</p> <p>PED. - PEDESTAL</p> <p>PGL - PROFILE GRADE LINE</p> <p>PI - POINT OF INTERSECTION</p> <p>PREST. - PRESTRESSED</p> <p>PROP. - PROPOSED</p> <p>PT - POINT OF TANGENCY</p> <p>PVC - POINT OF VERTICAL CURVATURE</p> <p>PVI - POINT OF VERTICAL INTERSECTION</p> <p>PVT - POINT OF VERTICAL TANGENCY</p> <p>R or RAD. - RADIUS</p> <p>RDWY. - ROADWAY</p> <p>REINF. - REINFORCING</p> <p>REQD. - REQUIRED</p> <p>R/W - RIGHT OF WAY</p> <p>SHLDR. - SHOULDER</p> <p>SPA. - SPACE(S)</p> <p>SQ. - SQUARE</p> <p>STA. - STATION</p> <p>SYMM. - SYMMETRICAL</p> <p>SWK. - SIDEWALK</p> <p>T - TANGENT</p> <p>TC - TANGENT TO CURVE AT INTERSECTION POINT</p> <p>TYP. - TYPICAL</p> <p>UNO - UNLESS NOTED OTHERWISE</p> <p>YR. - YEAR</p> <p>BK. - BACK</p> <p>AH. - AHEAD</p> <p>LT. - LEFT</p> <p>RT. - RIGHT</p>
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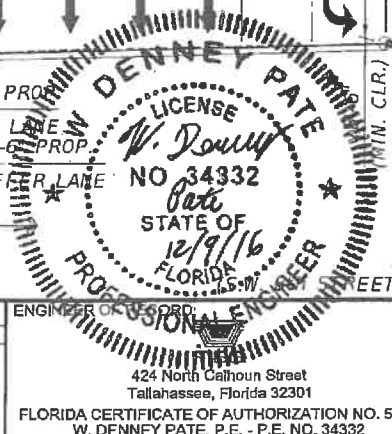
REFERENCED TO
DIRECTION OF
STATIONING



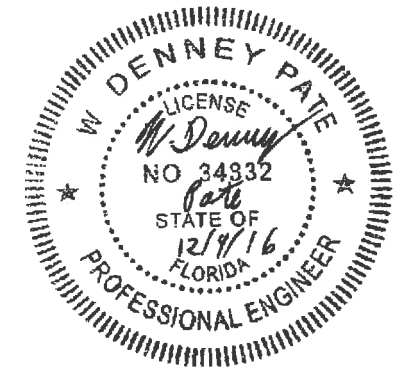
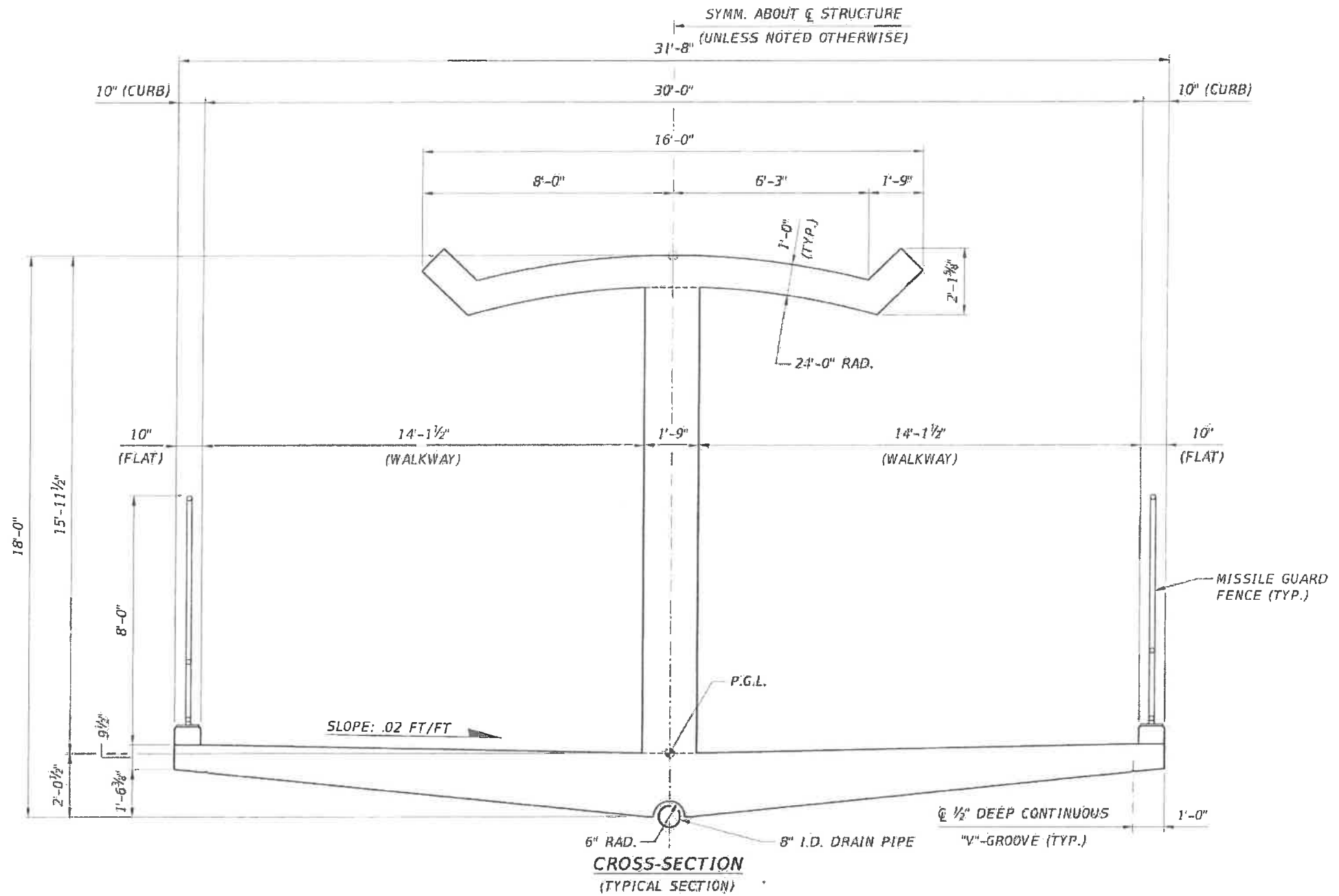
REVISIONS						ENGINEER OF RECORD: W. DENNEY PATE, P.E. - P.E. NO. 34332	DRAWN BY: DCB CHECKED BY: MF DESIGNED BY: MF CHECKED BY: WDP	ROAD NO. MIAMI - DADE	COUNTY MIAMI - DADE	PROJECT ID 434688-1-58-01	SHEET TITLE GENERAL NOTES (2 OF 2)	PROJECT NAME UNIVERSITYCITY PROSPERITY PROJECT	SHEET NO. B-3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION								



- NOTES:**
1. ALL SPAN AND BRIDGE LENGTHS ARE HORIZONTAL PROJECTIONS ALONG THE P.G.L.
 2. FOR UTILITIES AT NORTH LANDING, SEE SHEET BW-3.
 3. PROPOSED BIKE LANE, BUS LANE, BUFFER LANE, SIDEWALK AND BARRIER ARE NOT INCLUDED IN THIS CONTRACT.

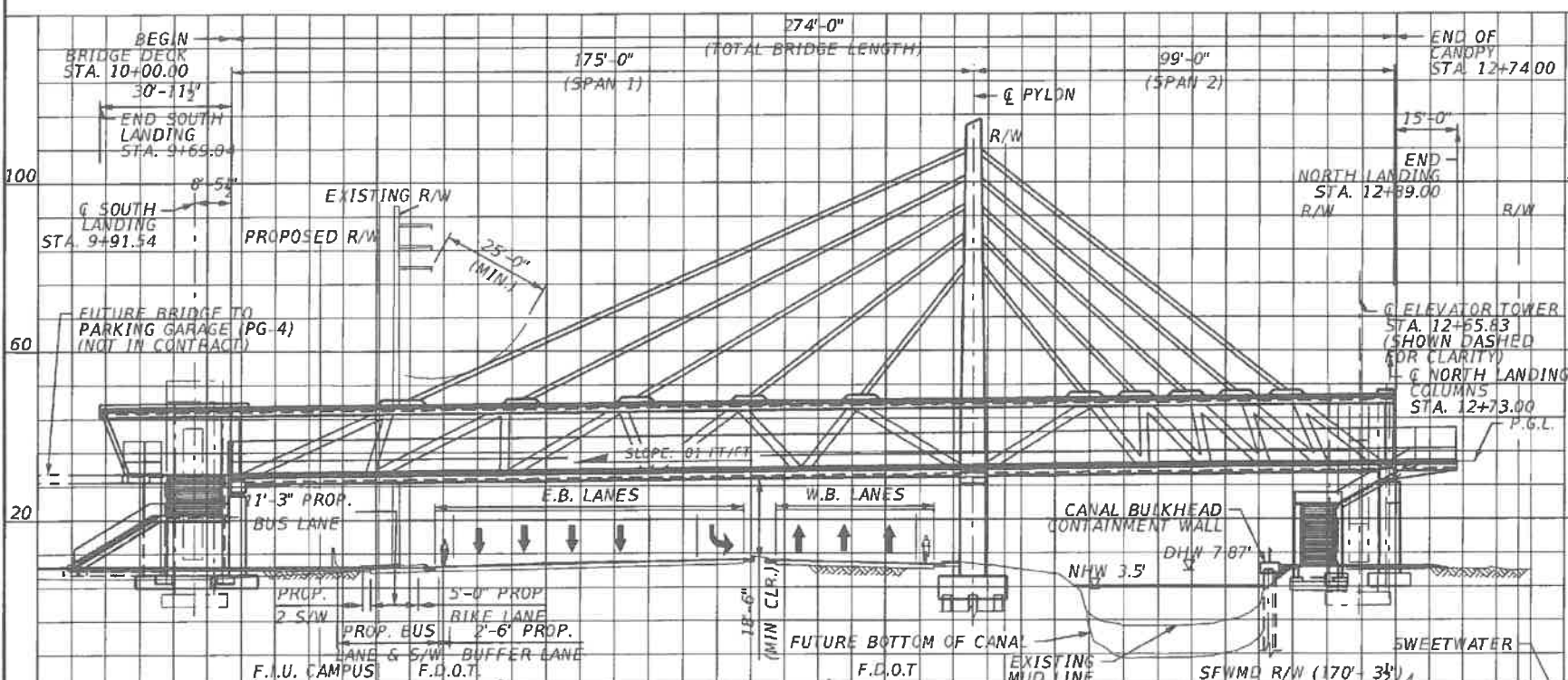
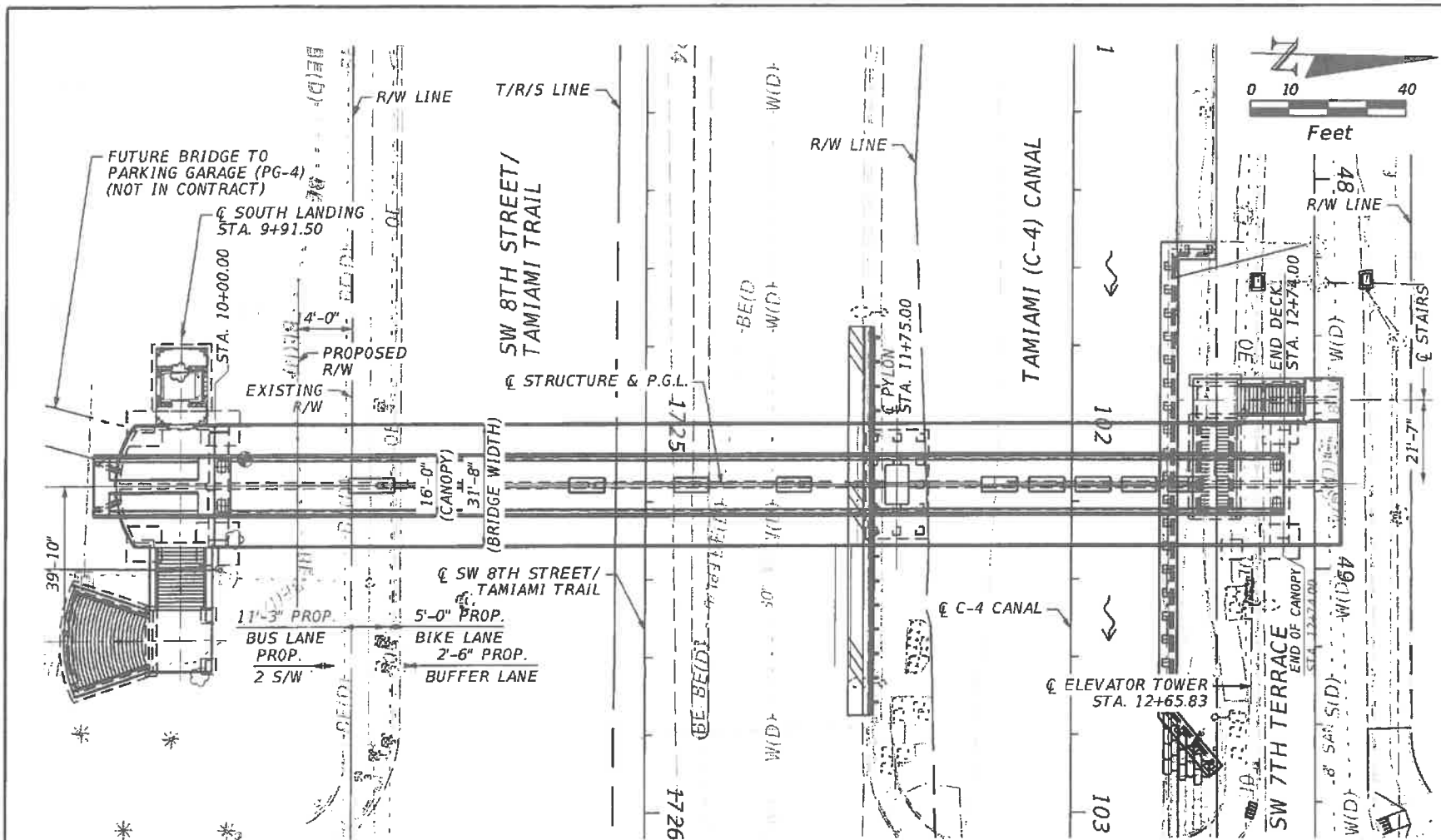


REVISIONS				ENGINEER		DRAWN BY		SHEET TITLE	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	GENERAL PLAN AND ELEVATION	
								UNIVERSITYCITY PROSPERITY PROJECT	
				ENGINEER OF RECORD W. DENNEY PATE 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		CHECKED BY: MF DESIGNED BY: EDL CHECKED BY: MF		ROAD NO. MIAMI-DADE COUNTY PROJECT ID 434688-1-58-01 SHEET NO. B-4	



- NOTES:
1. DRAIN PIPE IS SUPPORTED EVERY 10'-0".
 2. FOR MISSILE GUARD FENCE DETAILS, SEE MISSILE GUARD DETAILS (1 OF 2) AND (2 OF 2) DRAWINGS.

REVISIONS						ENGINEER OF RECORD:		DRAWN BY:		PROJECT ID		SHEET TITLE:		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB		DCB		ROAD NO.	COUNTY	PROJECT ID	TYPICAL CROSS-SECTION	
						 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		 FLORIDA INTERNATIONAL UNIVERSITY			MIAMI-DADE	434688-1-58-01	UNIVERSITYCITY PROSPERITY PROJECT	
													SHEET NO.	B-5



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

A&P Consulting Transportation Engineers Corp.
 10305 N.W. 41 Street, suite 115
 Miami, FL 33178
 (305) 592-7283 / fax: (305) 593-1594
 CA No. : EB-0007797
 Lazaro Ferrero, P.E. No. 58025

DRAWN BY: AB
 CHECKED BY: LF
 DESIGNED BY: AB
 CHECKED BY: LF

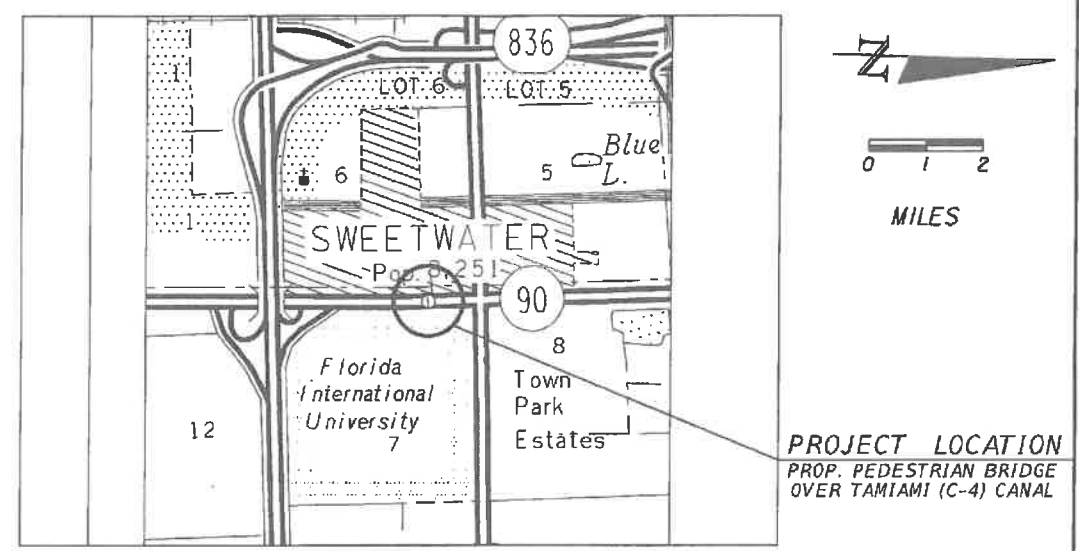
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. MIAMI-DADE COUNTY PROJECT ID BT-904

SHEET TITLE: BRIDGE HYDRAULICS RECOMMENDATION SHEET

PROJECT NAME: UNIVERSITY CITY PROSPERITY PROJECT

SHEET NO. B-6



(REFERENCE)	EXISTING STRUCTURES				PROPOSED STRUCTURE CONC. PILES
	(1)	(2)	(3)	(4)	
FOUNDATION					274'
OVERALL LENGTH					175' / 99'
SPAN LENGTH					CONCRETE
TYPE CONSTRUCTION					31'-8"
AREA OF OPENING@D.F.					28'-4"
BRIDGE WIDTH					
ELEV. LOW MEMBER					

HYDRAULIC DESIGN DATA

NOTE:
 The hydraulic data is shown for informational purposes only to indicate the flood discharges and water surface elevations which may be anticipated in any given year. This data was generated using highly variable factors determined by a study of the watershed. Many judgements and assumptions are required to establish these factors. The resultant hydraulic data is sensitive to changes, particularly antecedent conditions, urbanization, channelization and land use. Users of this data are cautioned against the assumption of precision which cannot be obtained.

TERMS:
 Design Flood: Utilized to assure a desired level of hydraulic performance.
 Base Flood: Has a 1% chance of being exceeded in any given year (100 year frequency)
 Overtopping Flood: Causes flow over the highway, over a watershed divide, or thru emergency relief structures.
 Greatest Flood: The most severe that can be predicted where overtopping is not practicable.

WATER SURFACE ELEVATIONS:	N.H.W. (Non-Tidal)	M.H.W. (Tidal)	N/A
CONTROL (Non-Tidal)	3.50	2.80	N/A
			N/A

FLOOD DATA:	MAX. EVENT OF RECORD	DESIGN FLOOD	BASE FLOOD	OVERTOPPING or GREATEST FLOOD
STAGE ELEV. NGVD (ft)	NOT AVAILABLE	7.87	8.10	8.63
DISCHARGE (cfs)	NOT AVAILABLE	369.56	365.39	621.16
AVERAGE VELOCITY (f/s)	NOT AVAILABLE	0.54	0.52	0.52
EXCEEDANCE PROB. (%)	NOT AVAILABLE	2.0	1.0	0.2
FREQUENCY (yr.)	NOT AVAILABLE	50	100	500

SCOUR PREDICTIONS FOR PROPOSED STRUCTURE DESCRIBED ABOVE:

PIER INFORMATION	LONG TERM SCOUR ELEV.	TOTAL SCOUR ELEVATION	
		WORST CASE < 100 yr. FREQ. (yr.)	WORST CASE < 500 yr. FREQ. (yr.)
NUMBERS			
SIZE AND TYPE			
N/A			
N/A			
N/A			

HYDRAULIC RECOMMENDATIONS

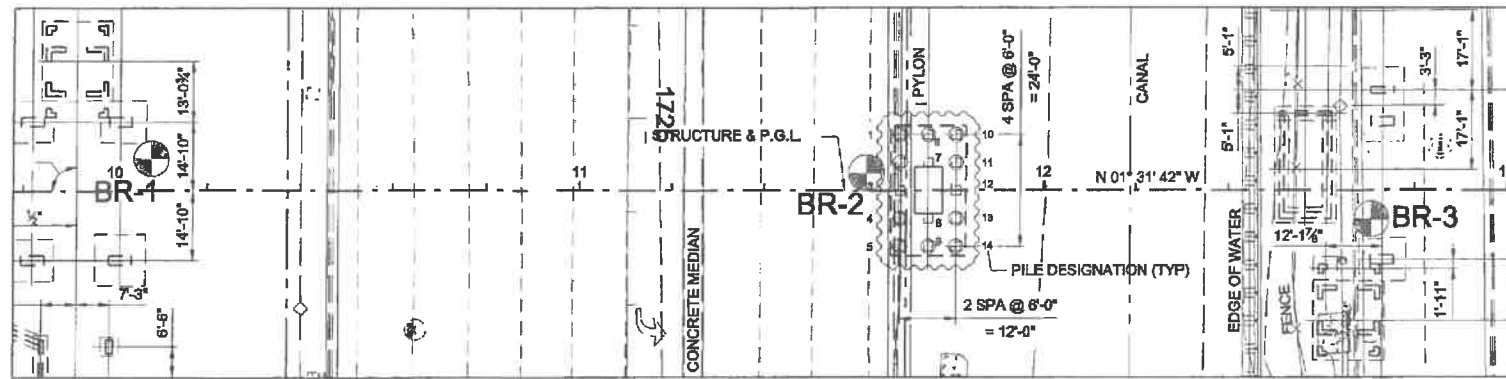
- BEGIN BRIDGE STATION 11+75.00 END BRIDGE STATION 12+74.00 SKEW ANGLE
- CLEARANCE PROVIDED: NAV: HORIZ. 45' VERT. 24'-10" ABOVE EL. 3.50 DRIFT: HORIZ. N/A VERT. N/A ABOVE EL. N/A
- MINIMUM CLEARANCE: NAV: HORIZ. 45' VERT. 6' ABOVE EL. 3.50 DRIFT: HORIZ. N/A VERT. N/A ABOVE EL. N/A
- ABUTMENTS:

RUBBLE GRADE: _____ BEGIN BRIDGE _____ END BRIDGE _____
 SLOPE: _____
 BURIED OR NON-BURIED HORIZ. TOE: _____
 TOE HORIZ. DISTANCE: _____
 LIMIT OF PROTECTION: _____

5. DECK DRAINAGE: RUNOFF WILL BE COLLECTED WITH SCUPPERS AND DISCHARGED TO A SELF-CONTAINED DRAINAGE SYSTEM IN THE SOUTH SIDE OF THE BRIDGE.

REMARKS:

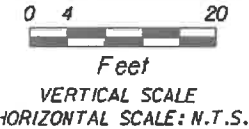




BORING LOCATION PLAN

SITE CONDITION NOTES:

- ON-SITE SOILS ARE PRONE TO CAVE-IN DURING EXCAVATION. ANTICIPATE DIFFICULT EXCAVATION IN DENSE OR VERY DENSE SOILS AND IN EMBANKMENT FILL.
- ANTICIPATE DIFFICULT EXCAVATION IN NATURAL LIMESTONE FORMATIONS. BASED ON PAST CONSTRUCTION PROJECTS IN THE VICINITY, THE NATURAL LIMESTONE FORMATIONS ARE KNOWN TO BE VERY POROUS AND EXTREMELY DIFFICULT TO DEWATER.



LEGEND

- ASPHALT PAVEMENT
 - TOPSOIL
 - SAND (FILL; SP, SP-SM)
 - SILTY SAND (FILL; SM)
 - SOFT LIMESTONE
 - HARD LIMESTONE
 - WATER TABLE AT TIME OF DRILLING
 - SPT BORING LOCATION
 - CASING USED
- NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION (UNLESS OTHERWISE NOTED).

- NMC NATURAL MOISTURE CONTENT (%)
- 200 FINES PASSING THE #200 SIEVE (%)
- OC ORGANIC CONTENT (%)
- REC ROCK CORE RECOVERY (%)
- RQD ROCK QUALITY DESIGNATION (%)
- CP CORING DOWN PRESSURE (PSI)
- TIME ROCK CORING TIME (SECONDS)
- Qu UNIAXIAL COMPRESSIVE STRENGTH (PSI)
- Qt SPLITTING TENSILE STRENGTH (PSI)
- Ys SATURATED ROCK CORE UNIT WEIGHT (PCF)

NOTES:
SPT BORINGS PERFORMED PER ASTM D-1586 WITH A HAMMER WEIGHT OF 140 LBS FALLING 30 INCHES.

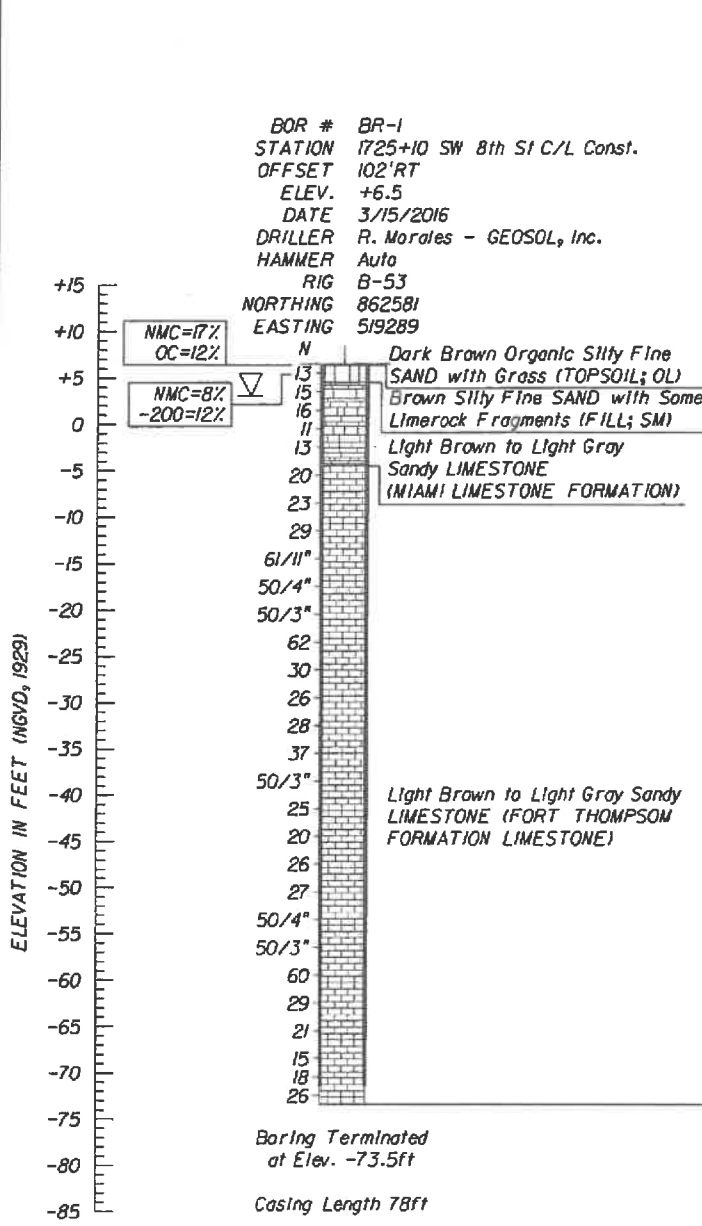
ENVIRONMENTAL CLASSIFICATION:

STEEL:
SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE
SUBSTRUCTURE: EXTREMELY AGGRESSIVE

CONCRETE: (RESISTIVITY= 660 OHM-CM)
SUPERSTRUCTURE: SLIGHTLY AGGRESSIVE
SUBSTRUCTURE: MODERATELY AGGRESSIVE

WATER: (RESISTIVITY= 660 OHM-CM)
pH: 8.0 SULFATE: 6 PPM
CHLORIDE: 37 PPM RESISTIVITY: 660 OHM-CM

GRANULAR MATERIALS-RELATIVE DENSITY	AUTOMATIC SPT HAMMER (BLOWS PER FOOT)
VERY LOOSE	LESS THAN 3
LOOSE	3-8
MEDIUM DENSE	8-24
DENSE	24-40
VERY DENSE	GREATER THAN 40
SILTS AND CLAYS CONSISTANCY	AUTOMATIC SPT HAMMER (BLOWS PER FOOT)
VERY SOFT	LESS THAN 1
SOFT	1-3
FIRM	3-6
STIFF	6-12
VERY STIFF	12-24
HARD	GREATER THAN 24



BOR # BR-1
STATION 1725+10 SW 8th St C/L Const.
OFFSET 102'RT
ELEV. +6.5
DATE 3/15/2016
DRILLER R. Morales - GEOSOL, Inc.
HAMMER Auto
RIG B-53
NORTHING 862581
EASTING 519289

RUN No.: C-1
DEPTH: 5' TO 10'
REC: 62%
RQD: 45%
CP: 150 PSI
TIME: 469 SEC.
Qu= 124 PSI
Qt= 134 PSI
Ys= 125 PCF

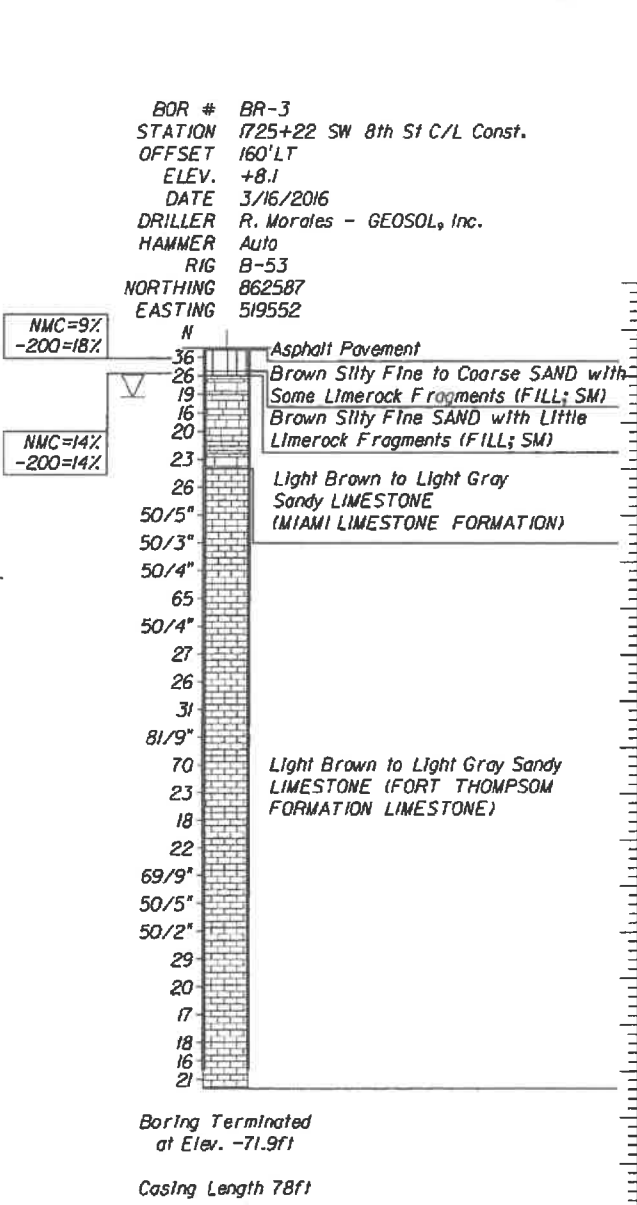
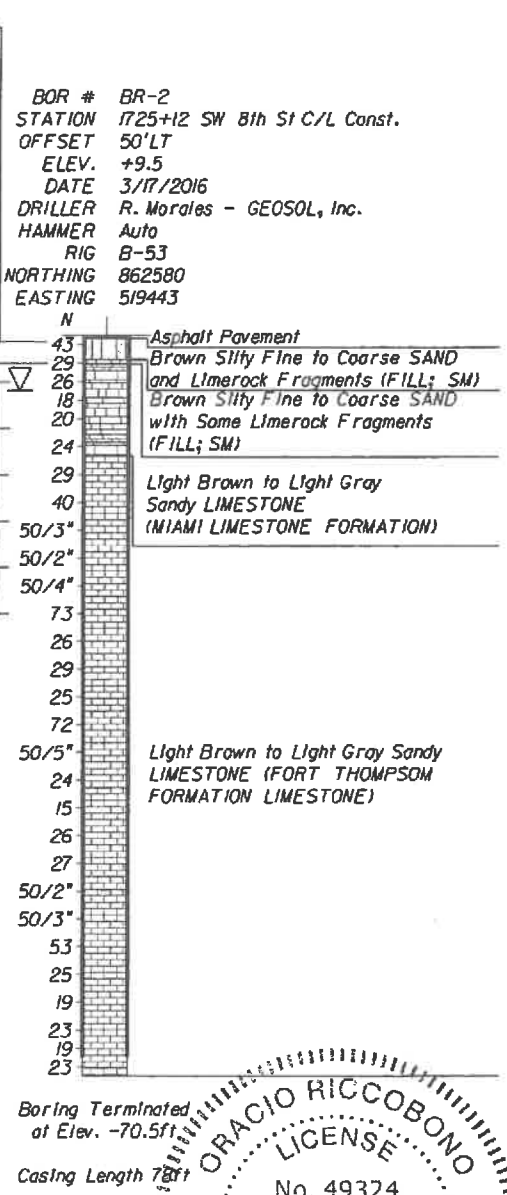
RUN No.: C-2
DEPTH: 10' TO 15'
REC: 72%
RQD: 32%
CP: 186 PSI
TIME: 2622 SEC.
Qu= 2,060 PSI
Qt= 247 PSI
Ys= 144 PCF

RUN No.: C-3
DEPTH: 15' TO 20'
REC: 85%
RQD: 48%
CP: 150 PSI
TIME: 834 SEC.
Qu= 880 PSI
Qt= 386 PSI
Ys= 144 PCF

RUN No.: C-4
DEPTH: 20' TO 25'
REC: 100%
RQD: 88%
CP: 150 PSI
TIME: 698 SEC.
Qu= 908 PSI
Qt= 329 PSI
Ys= 138 PCF

RUN No.: C-5
DEPTH: 25' TO 30'
REC: 93%
RQD: 57%
CP: 150 PSI
TIME: 770 SEC.
Qu= 1,510 PSI
Qt= 434 PSI
Ys= 142 PCF

Boring Terminated at Elev. -73.5ft
Casing Length 78ft

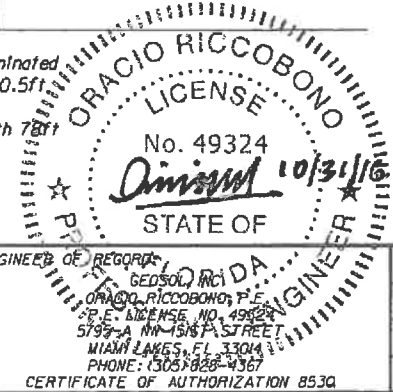


BOR # BR-2
STATION 1725+12 SW 8th St C/L Const.
OFFSET 50'LT
ELEV. +9.5
DATE 3/17/2016
DRILLER R. Morales - GEOSOL, Inc.
HAMMER Auto
RIG B-53
NORTHING 862580
EASTING 519443

BOR # BR-3
STATION 1725+22 SW 8th St C/L Const.
OFFSET 160'LT
ELEV. +8.1
DATE 3/16/2016
DRILLER R. Morales - GEOSOL, Inc.
HAMMER Auto
RIG B-53
NORTHING 862587
EASTING 519552

Boring Terminated at Elev. -70.5ft
Casing Length 78ft

Boring Terminated at Elev. -71.9ft
Casing Length 78ft



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD
GEOSOL, INC.
ORACIO RICCOBONO, P.E.
LICENSE NO. 49324
5199-A NW 15th STREET
MIAMI LAKES, FL 33044
PHONE: (305) 828-4367
CERTIFICATE OF AUTHORIZATION 853Q

DRAWN BY: JG
CHECKED BY: SZ
DESIGNED BY: OR
CHECKED BY: OR

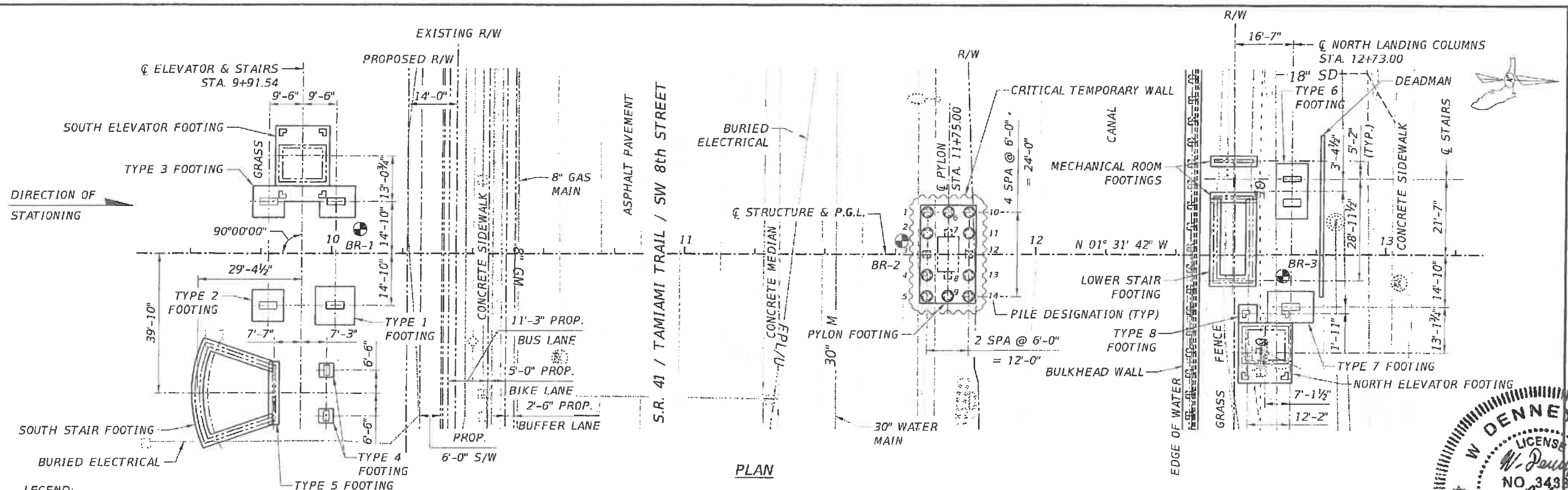
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
MIAMI-DADE 434888-1-58-01

SHEET TITLE: REPORT OF CORE BORINGS

UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-7

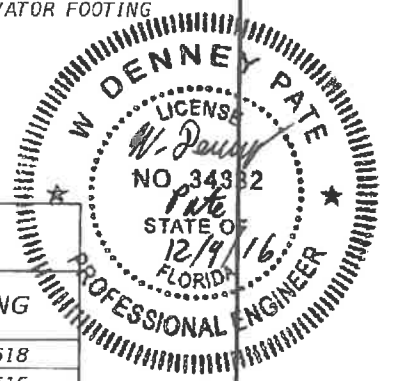


LEGEND:
 ⊕ DENOTES APPROXIMATE SOIL BORING LOCATIONS
 □ DENOTES 24" PILE LOCATION
 ⊙ DENOTES 24" TENSION PILE LOCATION

FOUNDATION VARIABLES				
FOOTING	STATION	OFFSET	FOOTING COORDINATES	
			NORTHING	EASTING
SOUTH LANDING ELEVATOR TOWER FOOTING	9+91.54	27'-10 3/4" LEFT	519272.154	862560.462
SOUTH LANDING/ELEVATOR TOWER COMBINED FOOTING (TYPE 3)	9+91.54	14'-10" LEFT	519272.492	862573.520
SOUTH LANDING SOUTH FOOTING (TYPE 2)	9+82.04	14'-10" RIGHT	519263.787	862603.430
SOUTH LANDING NORTH FOOTING (TYPE 1)	10+01.04	14'-10" RIGHT	519282.780	862602.923
SOUTH LANDING EAST STAIR FOOTING (TYPE 4)	9+98.79	46'-4" RIGHT	519281.359	862634.473
SOUTH LANDING WEST STAIR FOOTING (TYPE 4)	9+98.79	33'-4" RIGHT	519281.014	862621.478
SOUTH LANDING STAIR FOOTING (NORTH) (TYPE 5)	9+83.96	39'-10" RIGHT	519266.370	862628.369
SOUTH LANDING STAIR FOOTING (SOUTH - TOE)	9+62.17	39'-10" RIGHT	519244.575	862628.953
PYLON FOOTING	11+75.00	--	519456.323	862583.454
NORTH LANDING ELEVATOR TOWER FOOTING	12+65.88	27'-11 3/4" RIGHT	519547.926	862609.000
NORTH LANDING/ELEVATOR TOWER COMBINED FOOTING (TYPE 7)	12+73.00	14'-10" RIGHT	519554.685	862595.668
NORTH LANDING WEST FOOTING (TYPE 6)	12+73.00	18'-2 1/2" LEFT	519553.804	862562.637
NORTH LANDING MECHANICAL ROOM FOOTING (WEST)	12+56.42	26'-9" LEFT	519537.003	862554.540
NORTH LANDING MECHANICAL ROOM FOOTING (EAST)	12+56.42	16'-5" LEFT	519537.274	862564.870
NORTH LANDING LOWER STAIR FOOTING (TOE)	12+56.42	7'-4 1/2" RIGHT	519537.909	862588.656
NORTH LANDING/ELEVATOR TOWER SOUTH FOOTING (TYPE 8)	12+60.83	16'-9" RIGHT	519542.574	862597.909

PILE COORDINATES			
FOOTING	PILE	NORTHING	EASTING
PYLON FOOTING	1	519450.005	862571.618
	2	519450.165	862577.616
	3	519450.325	862583.614
	4	519450.485	862589.612
	5	519450.645	862595.610
	6	519456.003	862571.458
	7	519456.163	862577.456
	8	519456.483	862589.452
	9	519456.643	862595.450
	10	519462.000	862571.298
	11	519462.160	862577.296
	12	519462.320	862583.294
	13	519462.480	862589.292
	14	519462.641	862595.290

- NOTES:**
- FOR SPREAD FOOTING DETAILS, SEE THE SOUTH AND NORTH LANDING FOOTING DETAIL DRAWINGS.
 - FOR PILE INSTALLATION NOTES AND CUTOFF ELEVATIONS, SEE PILE DATA TABLE DRAWINGS.
 - ALL PILES ARE 24" SQUARE PRESTRESSED CONCRETE PILES AND SHALL BE DRIVEN PLUMB. SEE INDEX 20600 AND 20624 FOR PILE DETAILS AND NOTES.
 - DOWEL BARS OR EXPOSED STRANDS SHALL BE USED IN PILE NO'S 1, 2, 4, 5, 6, 9, 10, 11, 13 & 14. THE CONTRACTOR HAS THE OPTION OF USING DOWELED REBAR OR STRANDS.
 - FOR DETAILS OF THE CRITICAL TEMPORARY WALL, SEE DRAWINGS TW-1 AND TW-2.
 - FOR BORING INFORMATION, SEE REPORT OF CORE BORINGS DRAWINGS.
 - FOR UTILITIES AT NORTH LANDING, SEE SHEET BW-3.



REVISIONS						ENGINEER OF RECORD:		DRAWN BY:			SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FIBG		DCB	MF	EDL	FOUNDATION LAYOUT	
						424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		ROAD NO.	COUNTY	PROJECT ID	UNIVERSITYCITY PROSPERITY PROJECT	
								MIAMI - DADE		434688-1-58-01	SHEET NO. B-8	

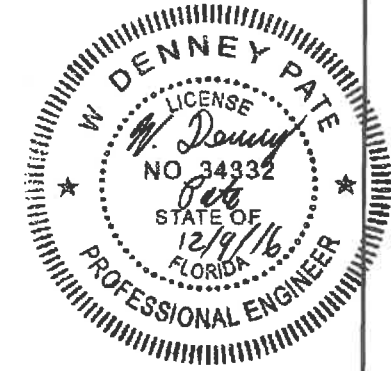
PILE DATA TABLE																	
INSTALLATION CRITERIA								DESIGN CRITERIA								PILE CUT-OFF ELEVATIONS	
PIER or BENT NUMBER	PILE SIZE (IN.)	REQUIRED NOMINAL BEARING RESISTANCE (TONS)	REQUIRED NOMINAL UPLIFT RESISTANCE (TONS)	MINIMUM TIP ELEVATION (FT.)	PILE ORDER LENGTH (FT.)	REQUIRED JET ELEVATION (FT.)	REQUIRED PREFORM ELEVATION (FT.)	FACTORED DESIGN LOAD (TONS)	FACTORED DESIGN UPLIFT LOAD (TONS)	DOWN DRAG (TONS)	TOTAL SCOUR RESISTANCE (TONS)	NET SCOUR RESISTANCE (TONS)	100-YEAR SCOUR ELEVATION (FT.)	LONG TERM SCOUR ELEVATION (ft.)	Ø COMPRESSION	Ø UPLIFT	PILE 1 THRU PILE 14
2 (PYLON)	24	450	117	-12.5	32	N/A	-12.5	306	70	N/A	N/A	N/A	N/A	N/A	0.75	0.60	2.000

PILE INSTALLATION NOTES:

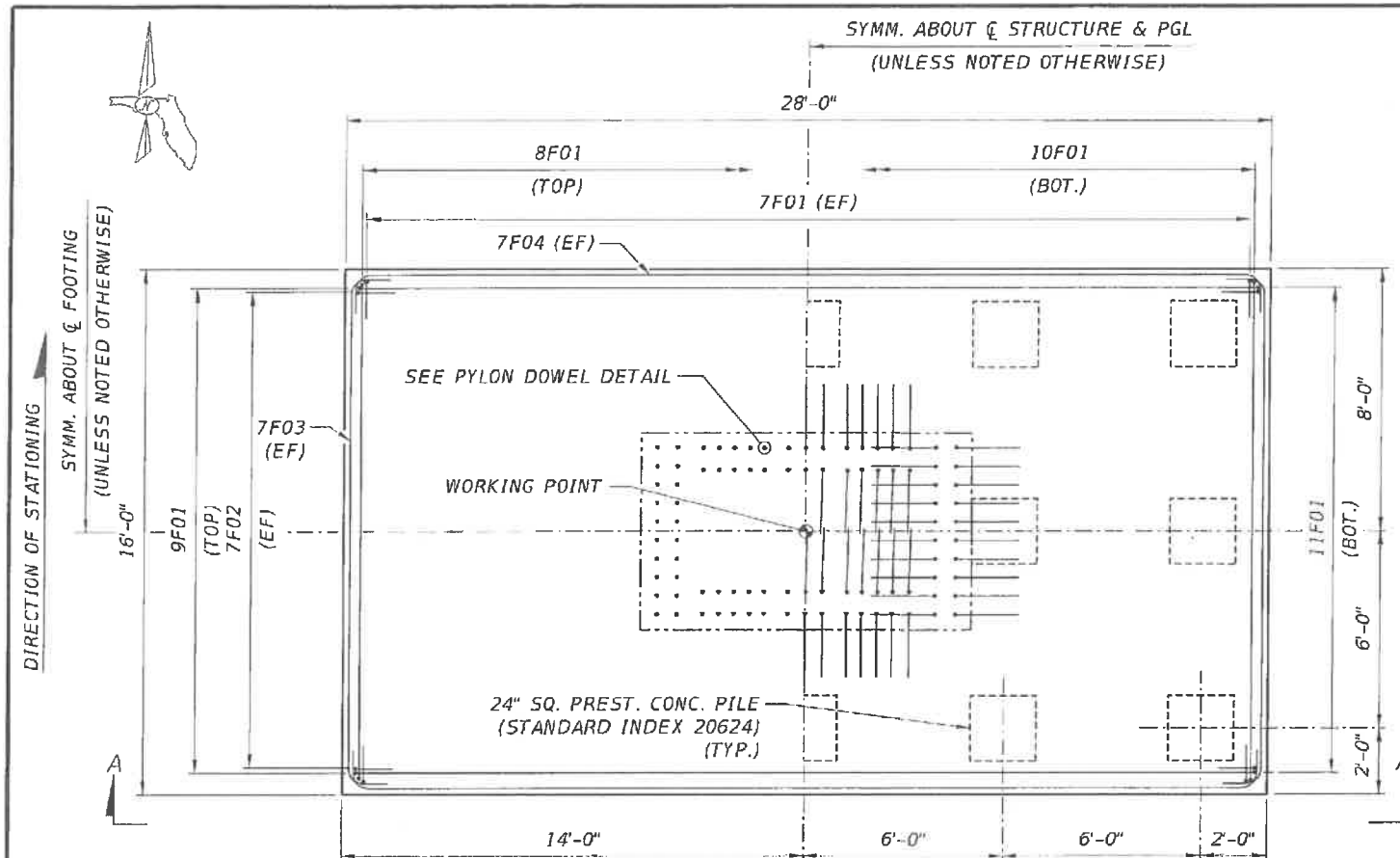
- SEE STANDARD DRAWING INDEX 20624 FOR DETAILS OF 24" SQUARE PRESTRESSED CONCRETE PILES.
- CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO ANY PILE DRIVING.
- THE MINIMUM TIP ELEVATION SHALL BE DETERMINED IN ACCORDANCE WITH SECTION 455-5.8 OF THE SPECIFICATIONS.
- THE MINIMUM TIP ELEVATION SHOWN IS REQUIRED TO REACH UPLIFT RESISTANCE.
- WHEN A REQUIRED JETTING ELEVATION IS SHOWN, THE JET SHALL BE LOWERED TO THE ELEVATION AND CONTINUE TO OPERATE AT THIS ELEVATION UNTIL THE PILE DRIVING IS COMPLETED. IF JETTING OR PREFORMING ELEVATIONS DIFFER FROM THOSE SHOWN ON THE TABLE, THE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINATION OF THE REQUIRED DRIVING RESISTANCE.
- NO JETTING WILL BE ALLOWED WITHOUT THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHOULD NOT ANTICIPATE BEING ALLOWED TO JET PILES BELOW THE 100-YEAR SCOUR ELEVATION OR REQUIRED JET ELEVATION, WHICHEVER IS DEEPER.
- DO NOT OVERDRIVE PILES ONCE CAPACITY IS ACHIEVED TO AVOID DAMAGING PILES.
- ALL PRODUCTION PILES SHALL BE DYNAMICALLY MONITORED DURING INSTALLATION THROUGH PDA TESTING.
- PREFORMING IS REQUIRED DUE TO THE HARD ROCK LAYERS ENCOUNTERED AND SHALL BE DONE PER SPECIFICATION SECTION 455-5.9. CONTRACTOR SHALL DRILL HOLES TO THE REQUIRED PREFORM ELEVATIONS FOR ALL PILES. DRILLED HOLES SHALL BE IN ACCORDANCE WITH SECTION 455 OF THE FDOT SPECIFICATIONS. PUNCHING WILL NOT BE ALLOWED. AFTER DRILLING AND IMMEDIATELY BEFORE DRIVING, THE HOLES SHALL BE WASHED FREE OF DEBRIS, SOILS, AND ROCK FRAGMENTS.
- ALL PREFORMED PILE HOLES SHALL BE FILLED WITH GROUT AS PER SUBARTICLE 455-5.9.1 AND 455-5.9.5 TO RESTORE THE LATERAL STABILITY AND UPLIFT RESISTANCE.
- THE PROVISIONS IN SECTIONS 108 AND 455-1.1 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHOULD BE FOLLOWED FOR THE PROTECTION OF THE EXISTING STRUCTURES AND NEARBY UTILITIES DURING PILE DRIVING OPERATIONS. ALL STRUCTURES AND/OR UTILITIES LOCATED ADJACENT TO THE PROPOSED PILE DRIVING OPERATIONS SHALL BE SURVEYED AS WELL AS MONITORED FOR VIBRATIONS AND SETTLEMENTS IN ACCORDANCE WITH SECTIONS 108 AND 455-1.1 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

$$\frac{\text{FACTORED DESIGN LOAD} + \text{NET SCOUR RESISTANCE} + \text{DOWN DRAG}}{\phi} \leq \text{REQUIRED NOMINAL BEARING RESISTANCE}$$

- NOMINAL UPLIFT RESISTANCE** - THE ULTIMATE SIDE FRICTION CAPACITY THAT MUST BE OBTAINED BELOW THE 100 YEAR SCOUR ELEVATION TO RESIST PULLOUT OF THE PILE (SPECIFY ONLY WHEN DESIGN REQUIRES TENSION CAPACITY).
- TOTAL SCOUR RESISTANCE** - AN ESTIMATE OF THE ULTIMATE STATIC SIDE FRICTION RESISTANCE PROVIDED BY THE SCOURABLE SOIL.
- NET SCOUR RESISTANCE** - AN ESTIMATE OF THE ULTIMATE STATIC SIDE FRICTION RESISTANCE PROVIDED BY THE SOIL FROM THE REQUIRED PREFORMED OR JETTING ELEVATION TO THE SCOUR ELEVATION.
- 100-YEAR SCOUR ELEVATION** - ESTIMATED ELEVATION OF SCOUR DUE TO THE 100 YEAR STORM EVENT.
- LONG TERM SCOUR ELEVATION** - ESTIMATED ELEVATION OF SCOUR USED IN DESIGN FOR EXTREME EVENT LOADING.

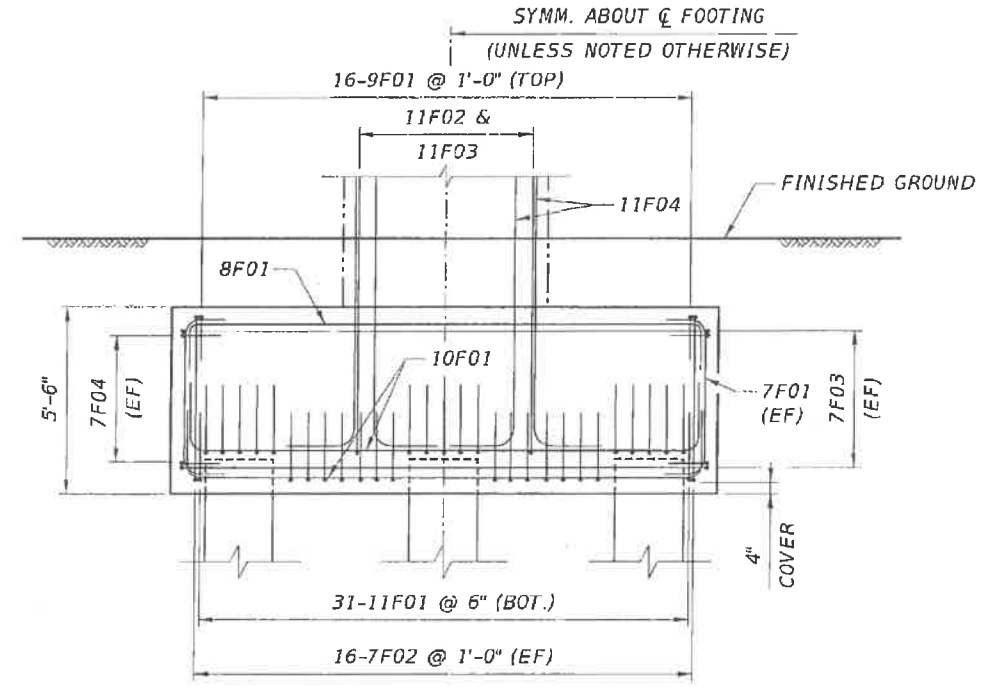


REVISIONS DATE BY DESCRIPTION DATE BY DESCRIPTION					ENGINEER OF RECORD: 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		DRAWN BY: DCB CHECKED BY: EDL DESIGNED BY: EDL CHECKED BY: MF		FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI - DADE 434688-1-58-01		SHEET TITLE: PILE INSTALLATION TABLE PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT SHEET NO. 8-9	
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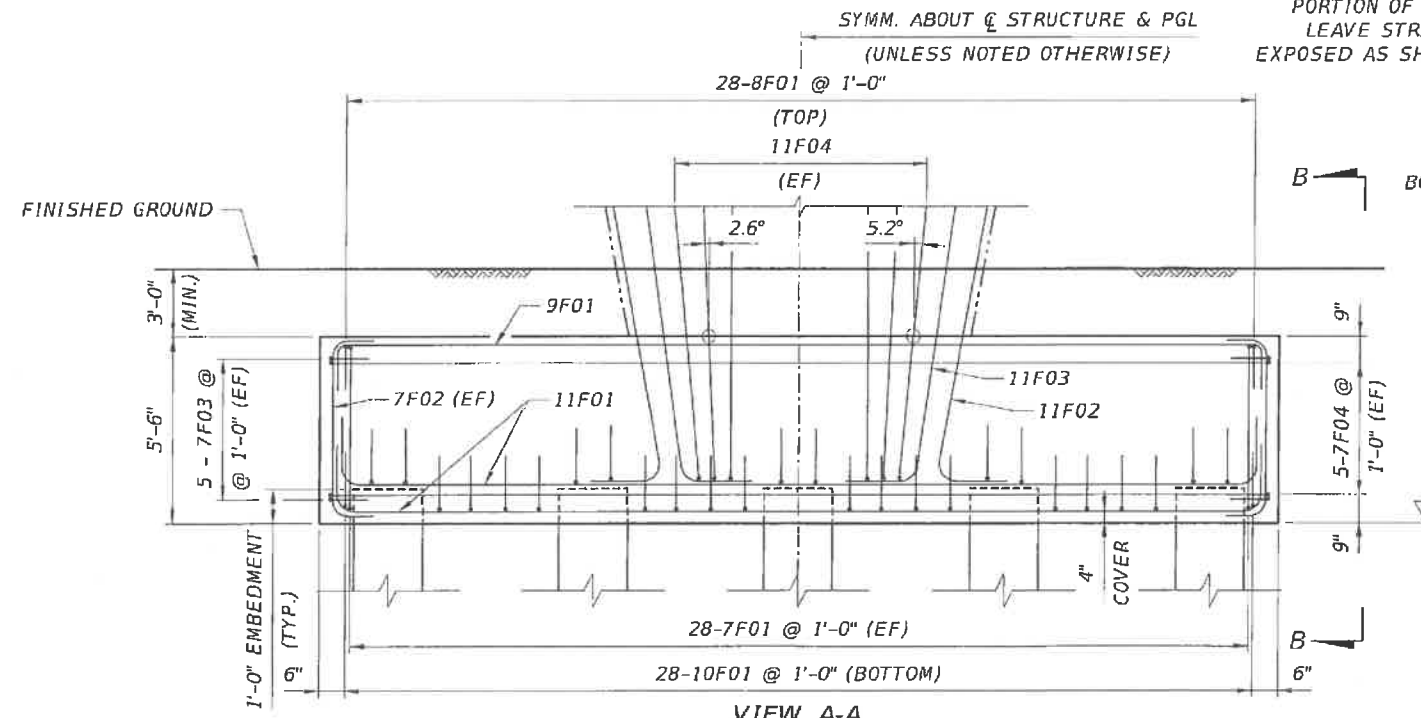


HALF PLAN
(TOP OF FOOTING)

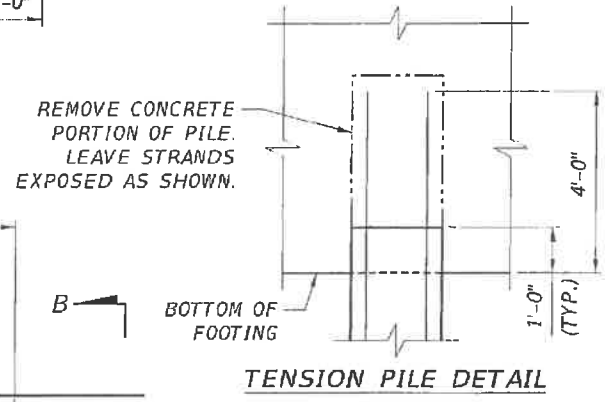
HALF PLAN
(BOTTOM OF FOOTING)



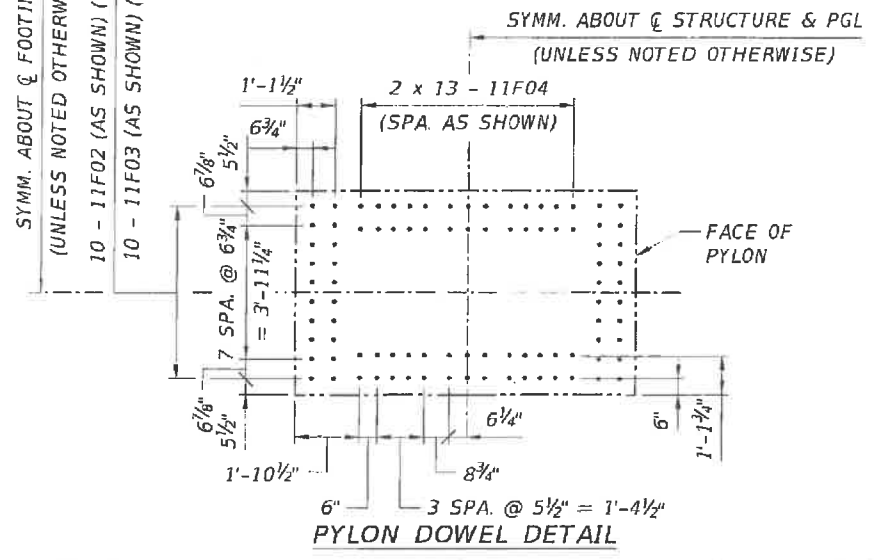
VIEW B-B



VIEW A-A

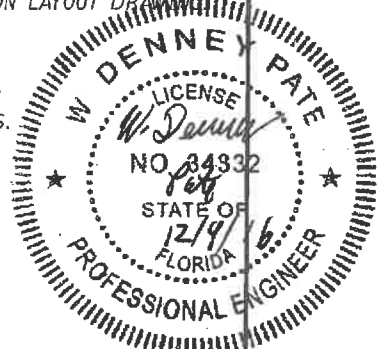


TENSION PILE DETAIL

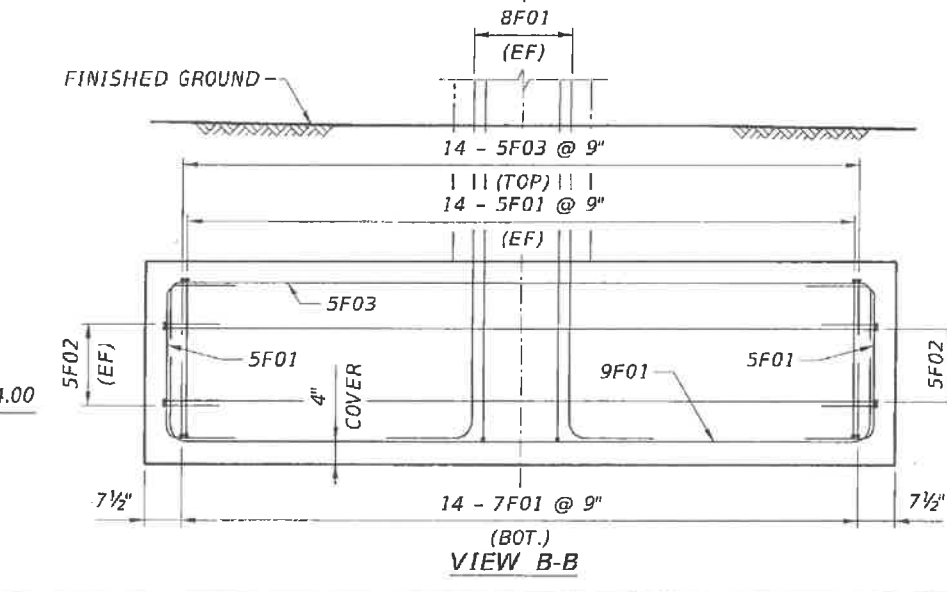
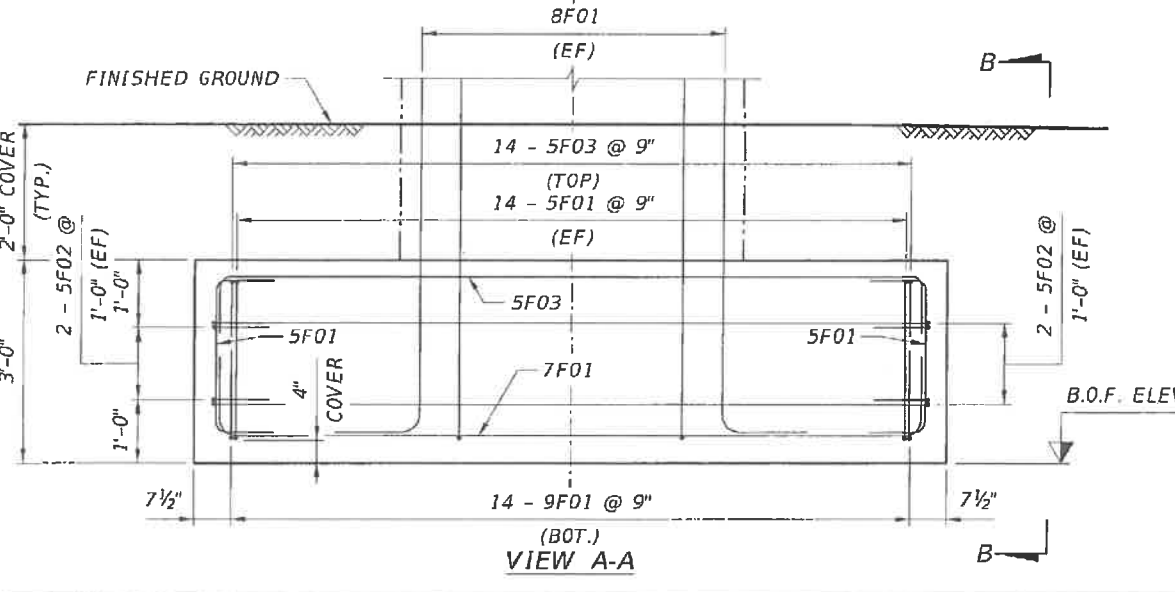
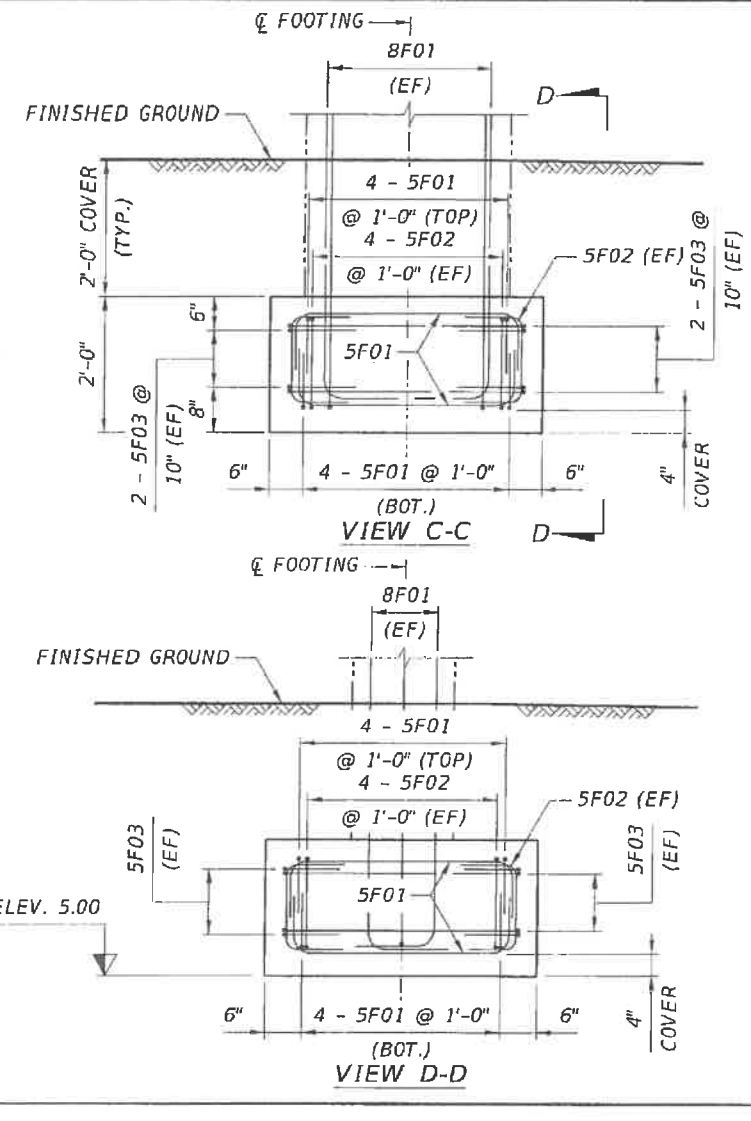
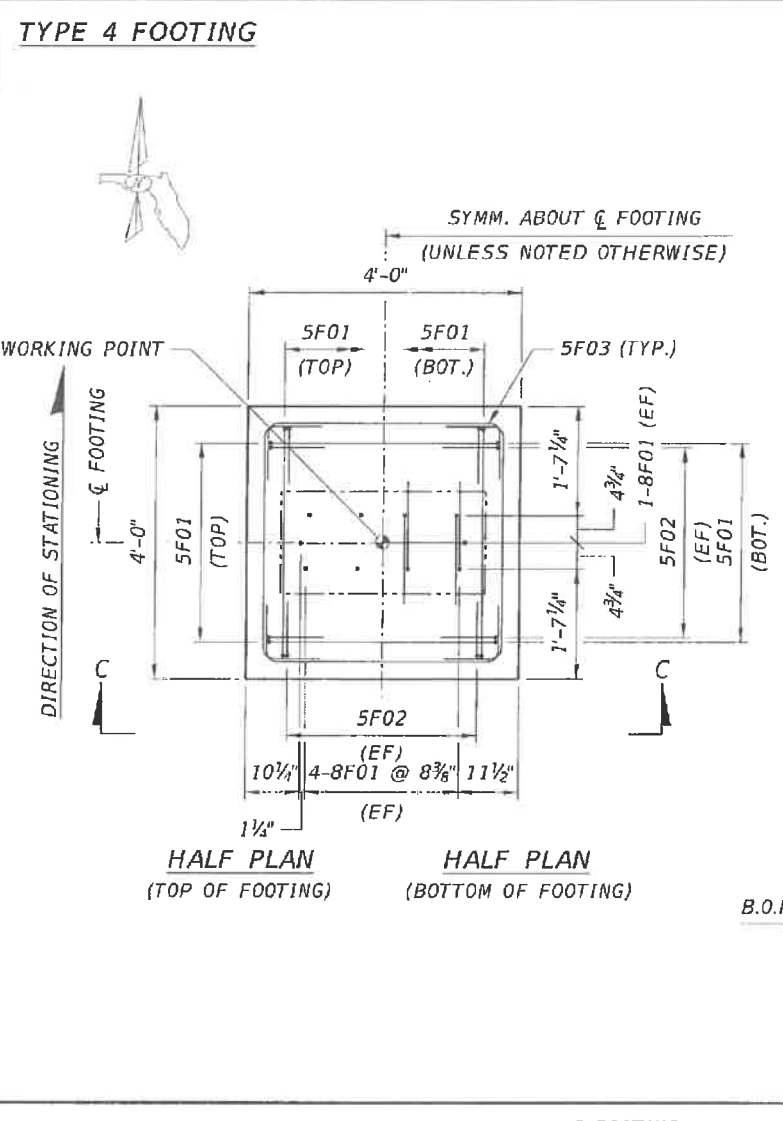
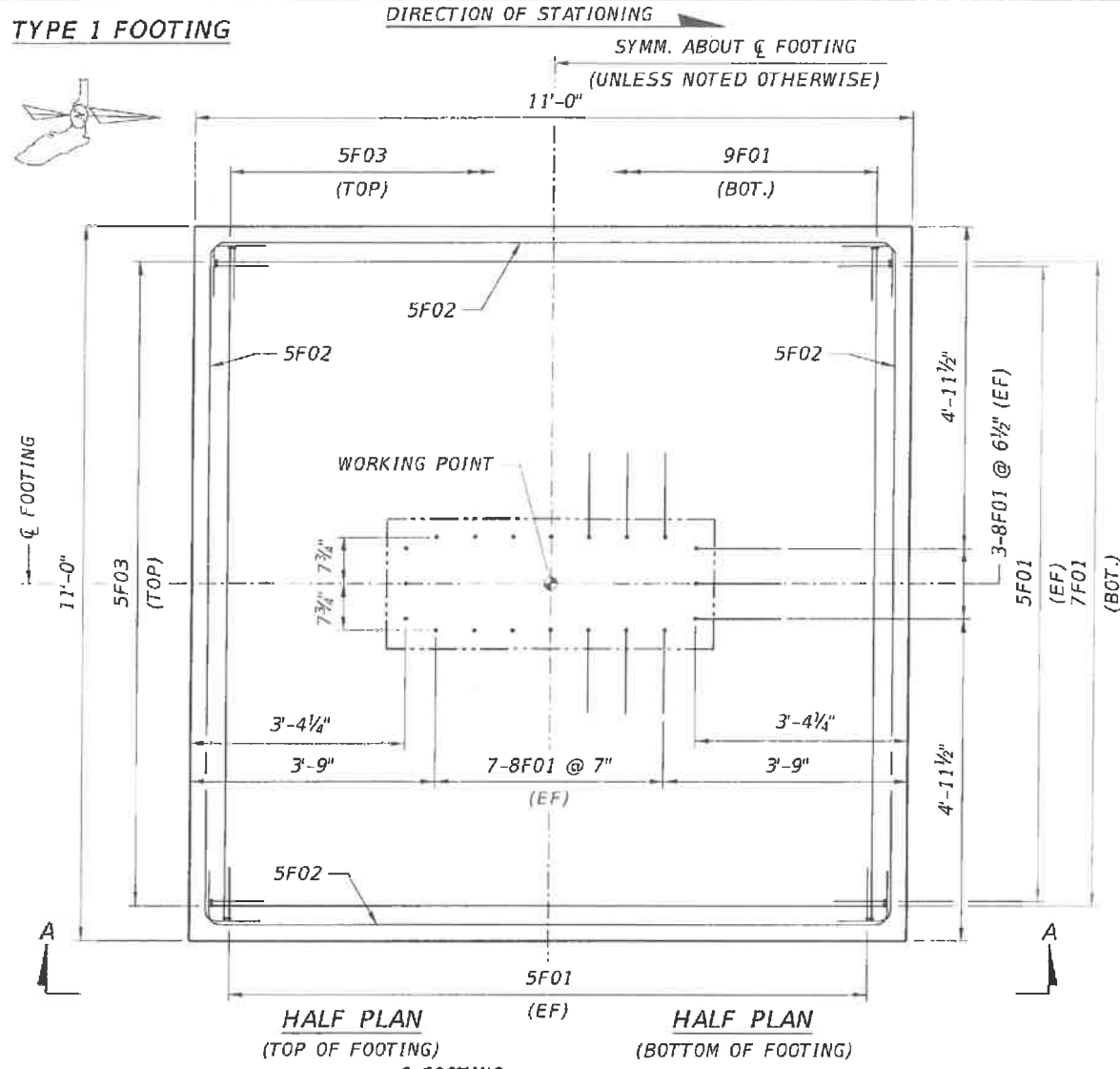


PYLON DOWEL DETAIL

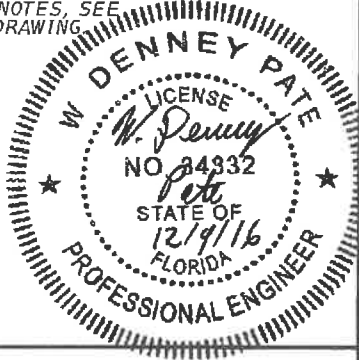
- NOTES:
1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 2. PILE DOWELS NOT SHOWN FOR CLARITY. FOR LOCATION OF TENSION PILES, SEE FOUNDATION LAYOUT DRAWING.
 3. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
 4. THE CONCRETE USED IN THE FOOTING SHALL BE CONSIDERED TO BE MASS CONCRETE AND SHALL BE IN ACCORDANCE WITH FDOT SPECIAL PROVISIONS.
 5. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 6. PLACEMENT OF PYLON BASE DOWELS IS TO BE ACCOMPLISHED WITH A RIGID TEMPLATE THAT SHALL REMAIN IN PLACE UNTIL THE CONCRETE OF THE FOOTING HAS CURED.
 7. IF DENOTES INSIDE FACE. OF DENOTES OUTSIDE FACE.
 8. BOTTOM MAT OF REINFORCEMENT BARS MAY BE SHIFTED SLIGHTLY TO AVOID EXPOSED PILE STRANDS.
 9. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



REVISIONS					ENGINEER OF RECORD:		DRAWN BY:		PROJECT ID:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	CFR		ROAD NO.		PROJECT NAME:		
						FIGG		MIAMI-DADE		UNIVERSITYCITY PROSPERITY PROJECT		
						424 North Calhoun Street Tallahassee, Florida 32301		434688-1-58-01		UNIVERSITYCITY PROSPERITY PROJECT		
						FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		PROJECT NO. 434688-1-58-01		SHEET NO. B-10		



- NOTES:**
1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 2. FOR BAR LIST, SEE STRUCTURE REINFORCEMENT BAR LIST.
 3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 4. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
 5. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES 11 DRAWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: JDS

FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID PROJECT NAME:

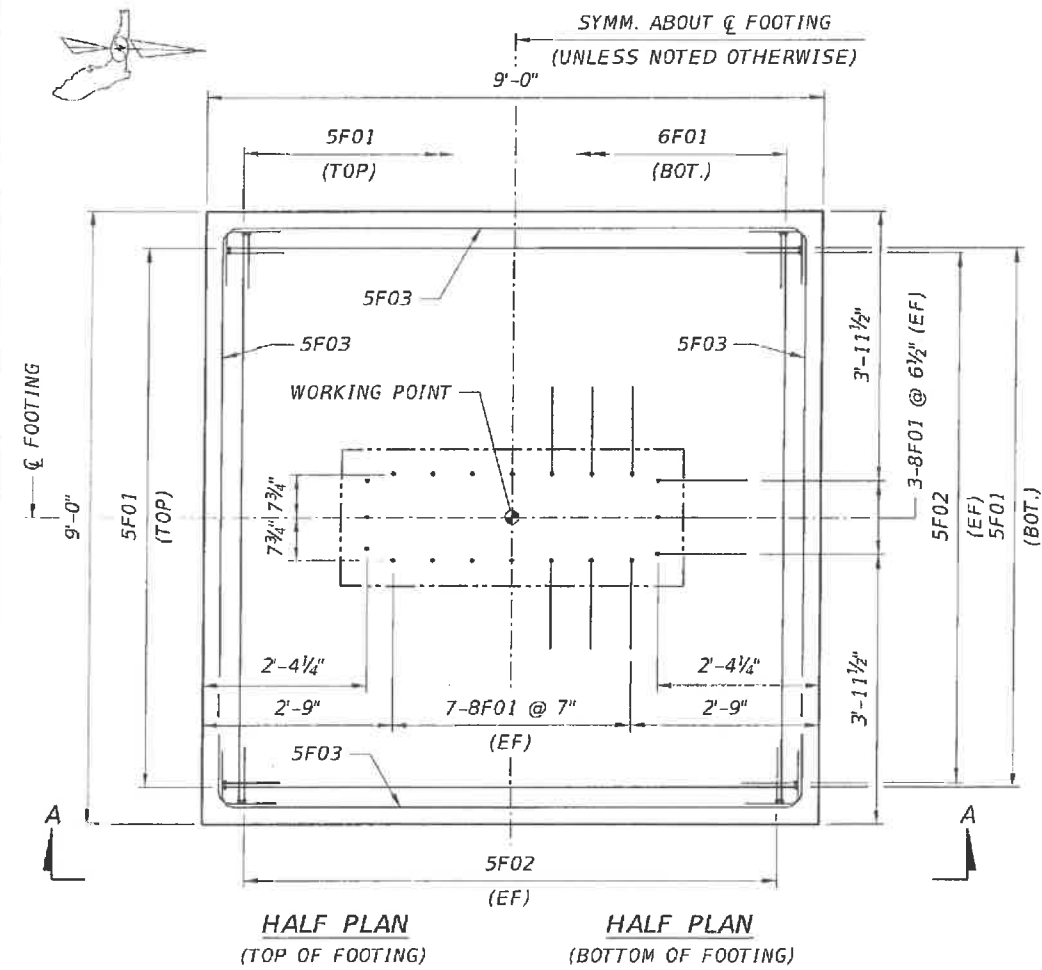
MIAMI - DADE 434688-1-58-01 UNIVERSITY CITY PROSPERITY PROJECT

SHEET TITLE: SOUTH LANDING FOOTING DETAILS (1 OF 4) TYPE 1 & 4

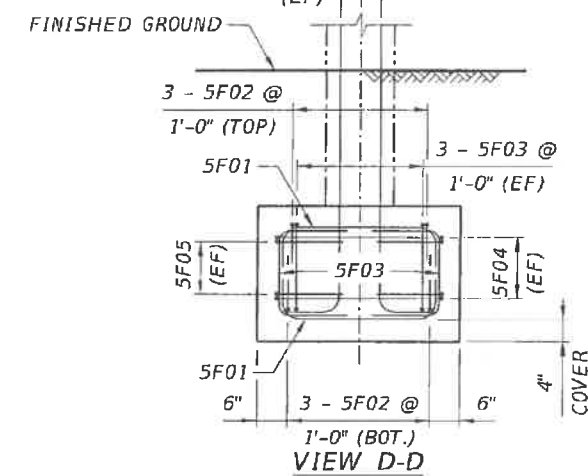
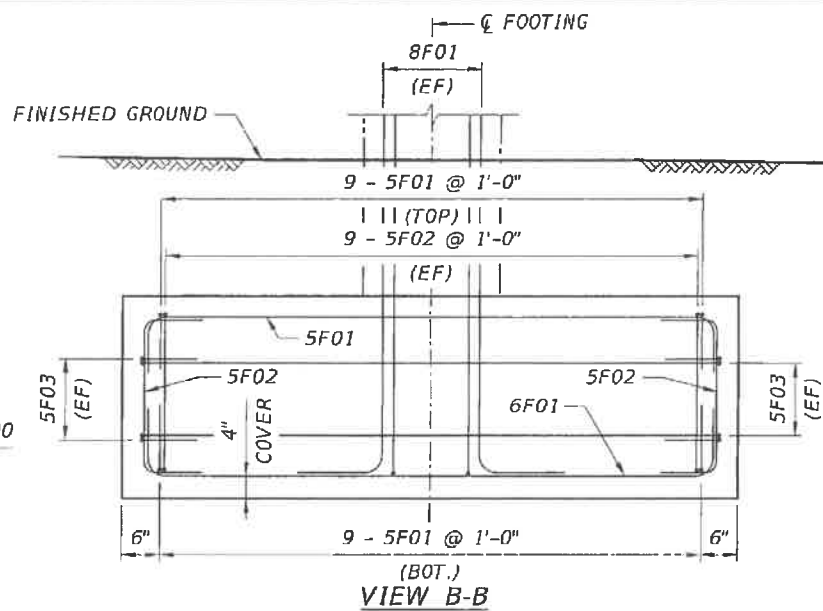
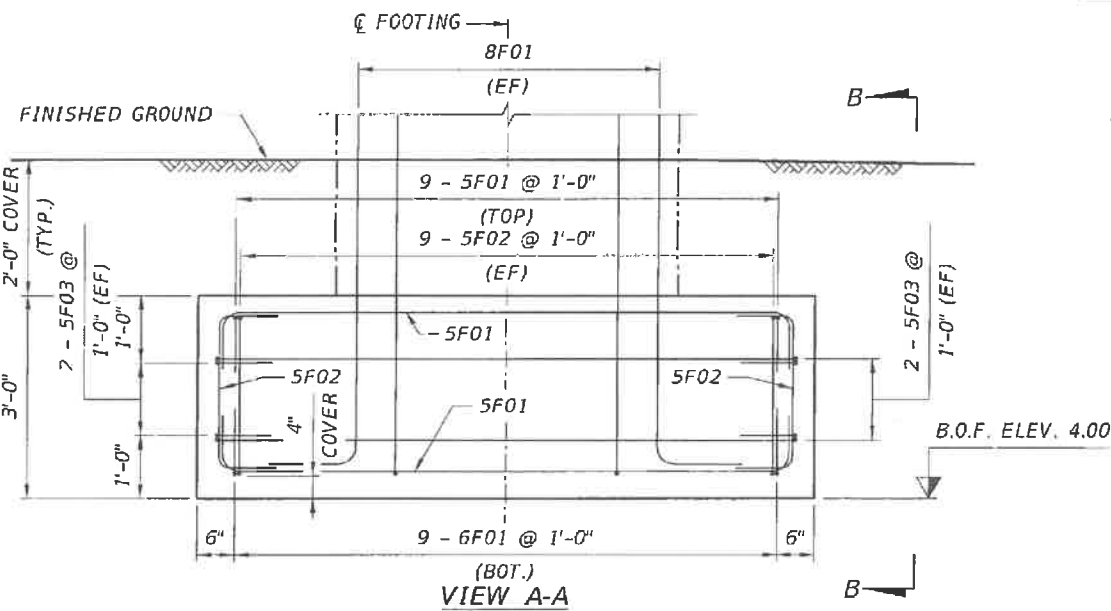
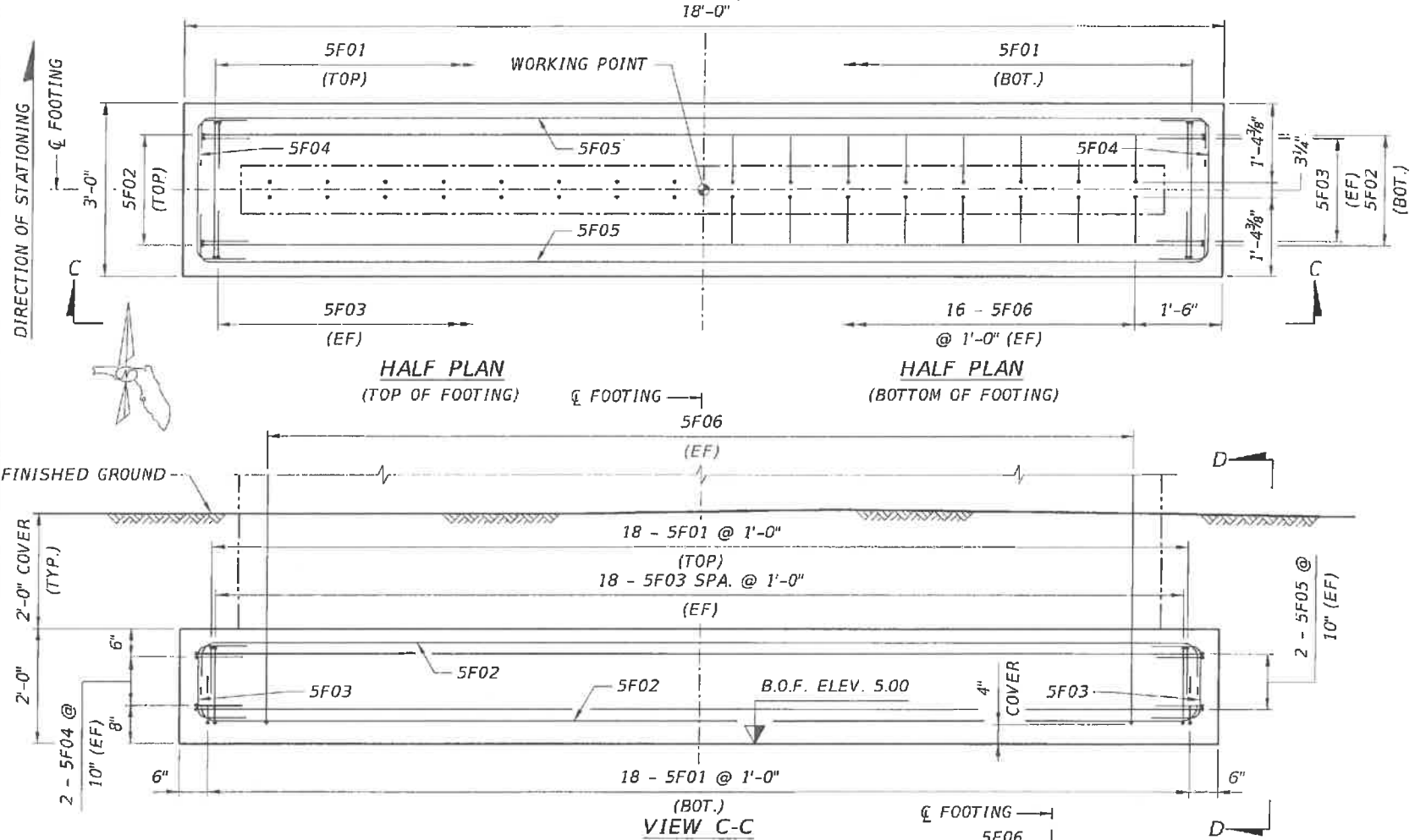
UNIVERSITY CITY PROSPERITY PROJECT

SHEET NO. B-11

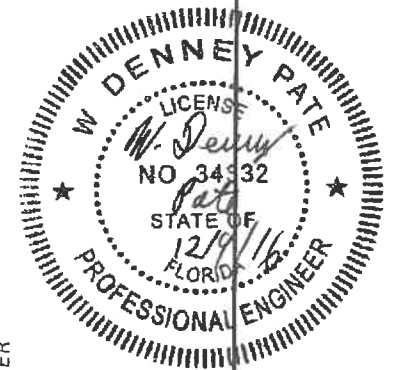
TYPE 2 FOOTING



TYPE 5 FOOTING



- NOTES:**
1. FOR FOOTING LOCATIONS AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
 3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 4. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
 5. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES 11 DRAWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
CHECKED BY: ENH
DESIGNED BY: ENH
CHECKED BY: JDS

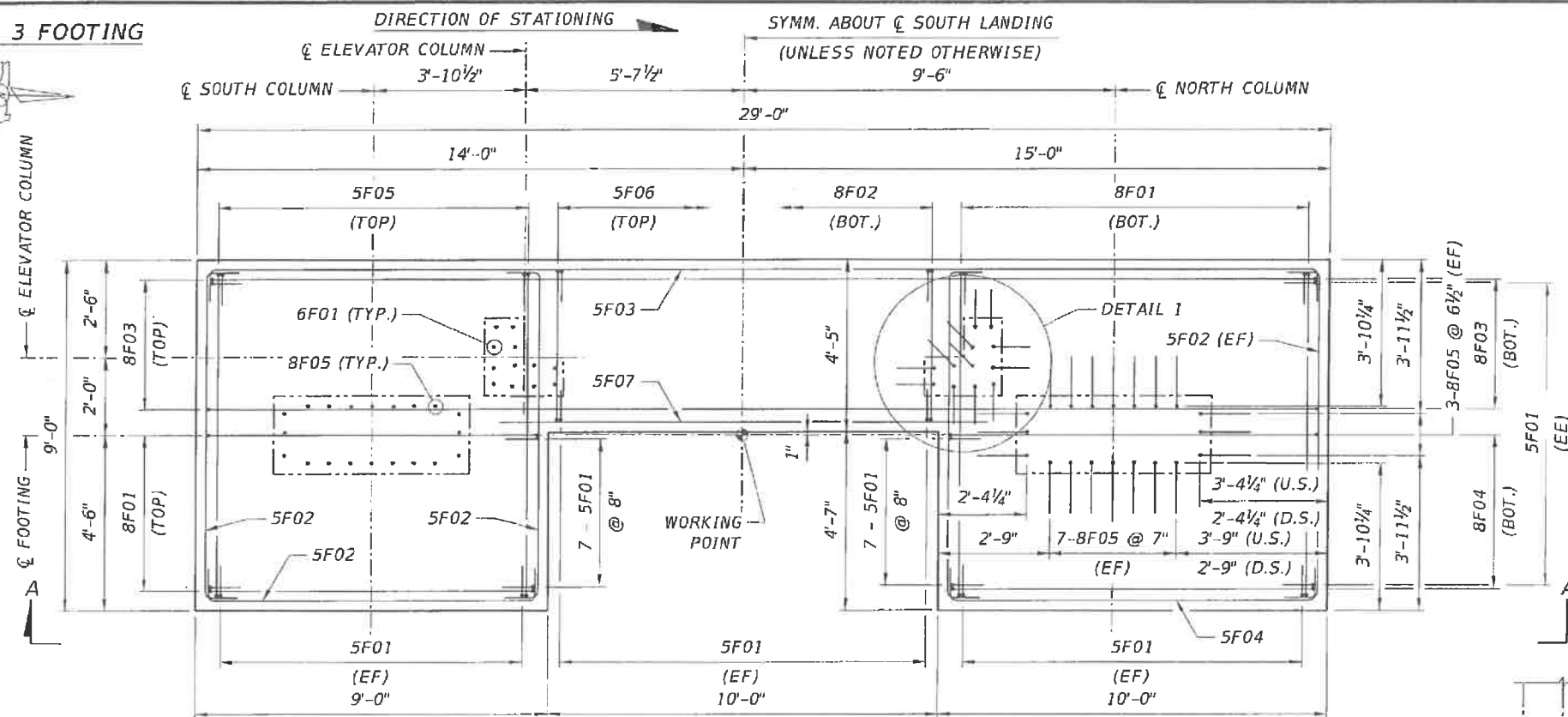
FIU FLORIDA INTERNATIONAL UNIVERSITY
ROAD NO. COUNTY PROJECT ID
MIAMI - DADE 434688-1-58-01

SHEET TITLE: SOUTH LANDING FOOTING DETAILS (2 OF 4) TYPE 2 & 5

UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. 8-12

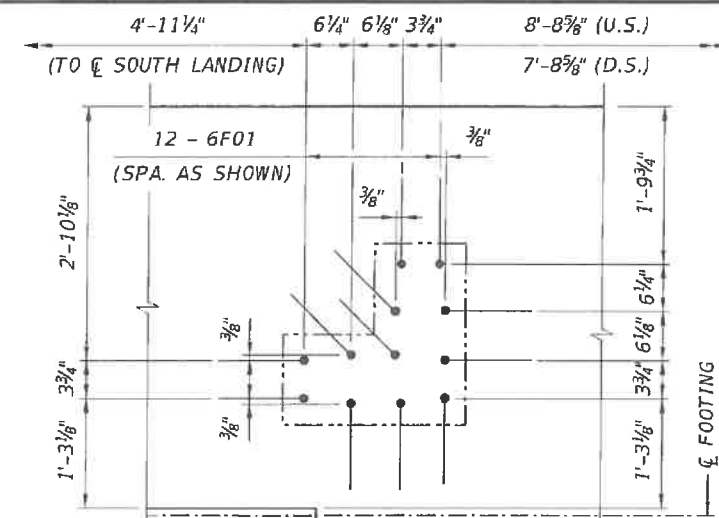
TYPE 3 FOOTING



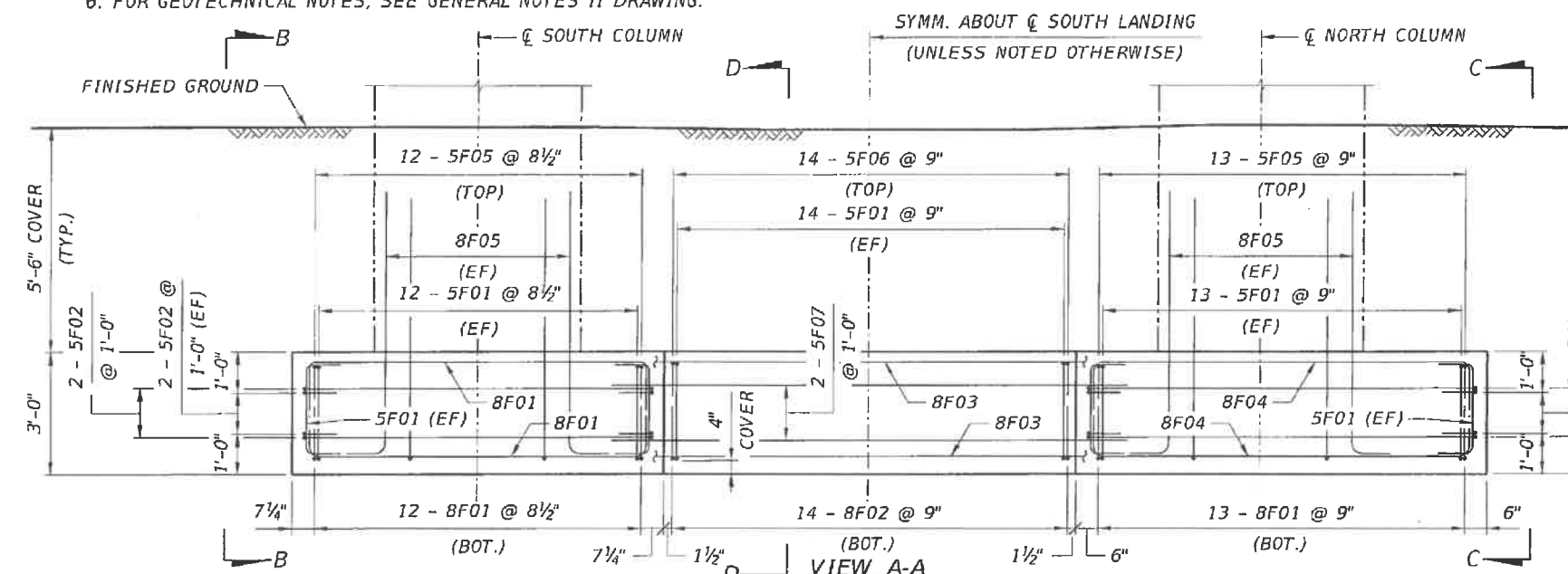
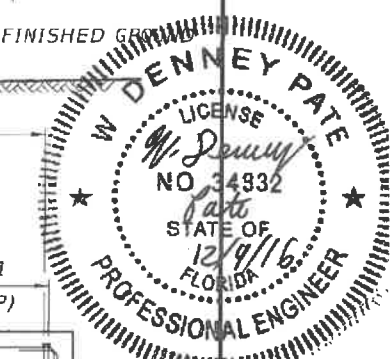
HALF PLAN
(TOP OF FOOTING)

HALF PLAN
(BOTTOM OF FOOTING)

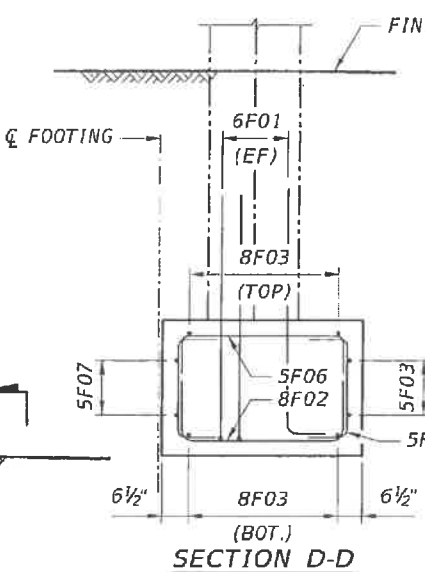
- NOTES:**
- FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 - FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 - CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 - EE DENOTES EACH END.
 - U.S. DENOTES UPSTATION.
 - D.S. DENOTES DOWNSTATION.
 - CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
 - FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



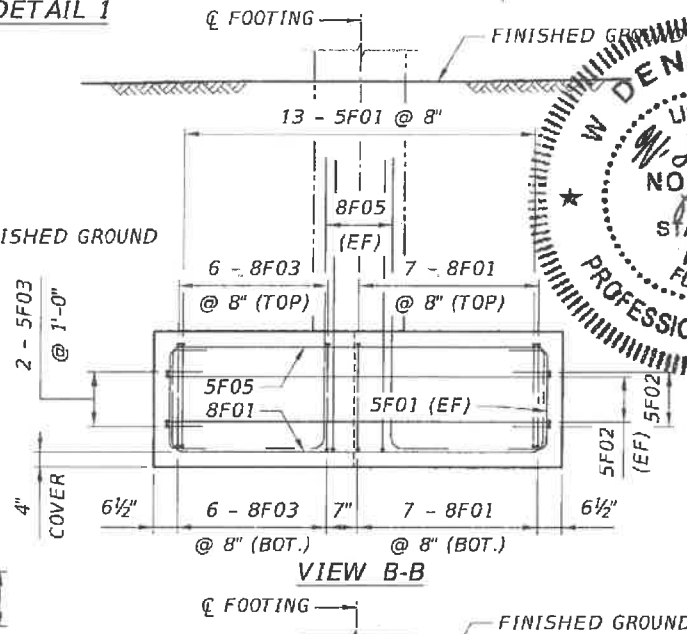
DETAIL 1



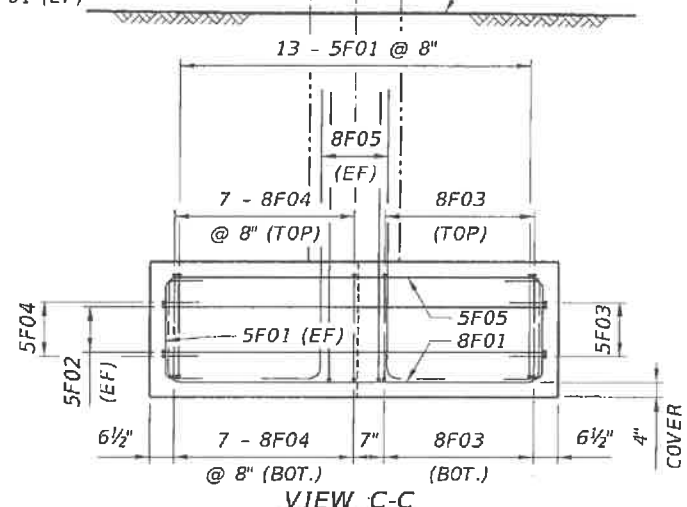
VIEW A-A



SECTION D-D



VIEW B-B



VIEW C-C

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: JDS

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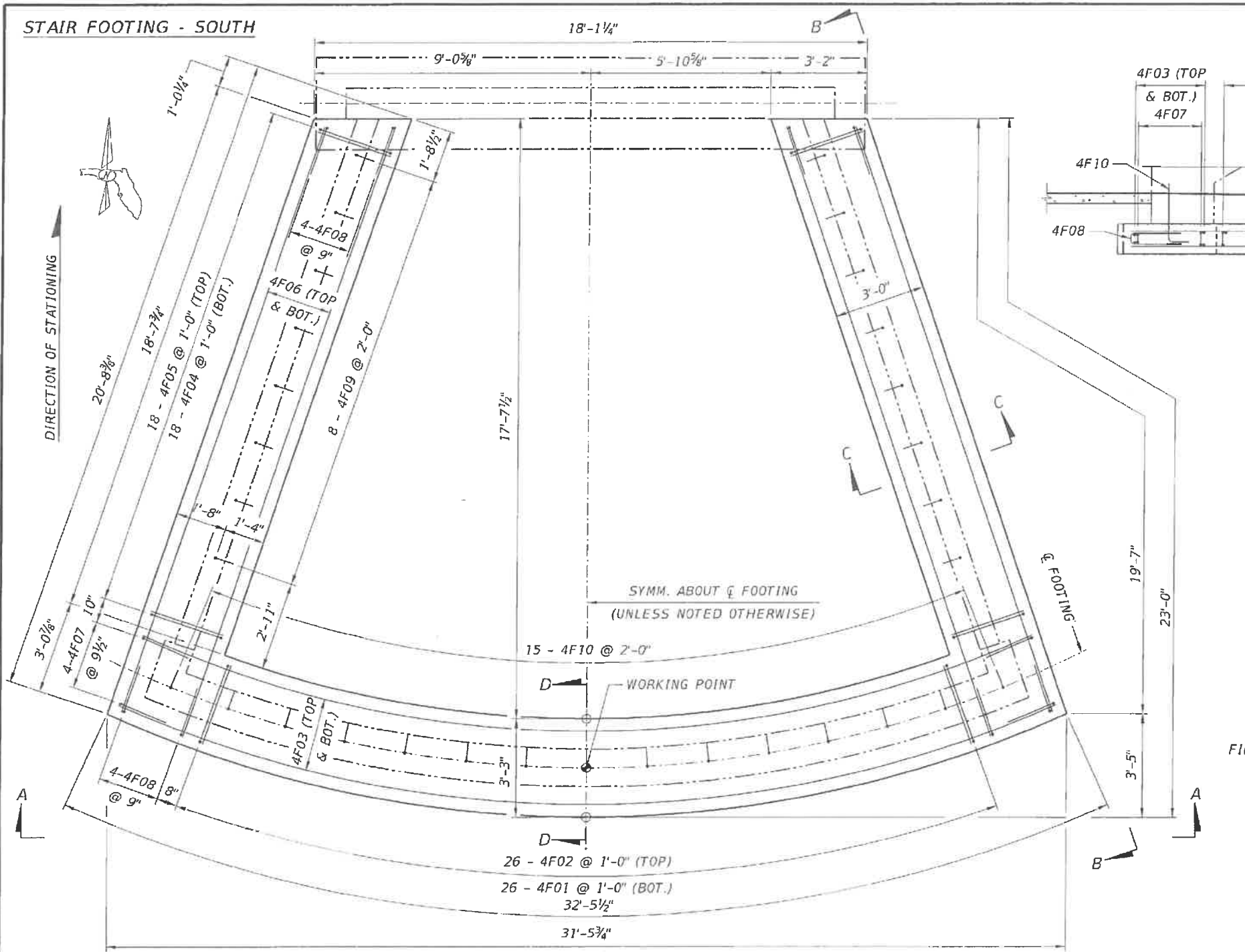
ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

SHEET TITLE:
SOUTH LANDING FOOTING DETAILS (3 OF 4) TYPE 3

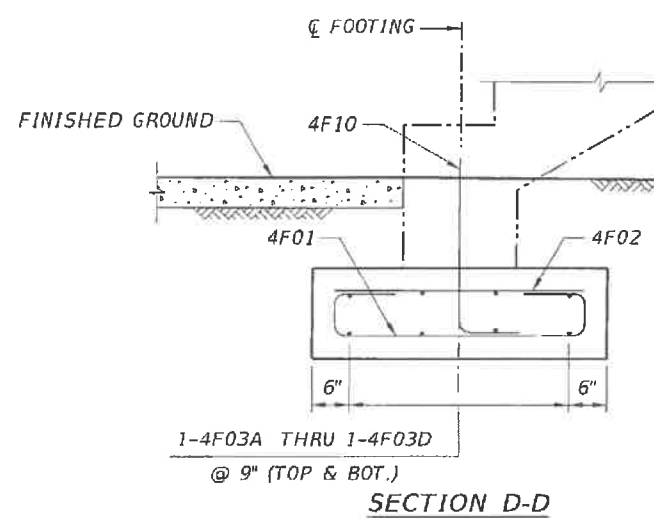
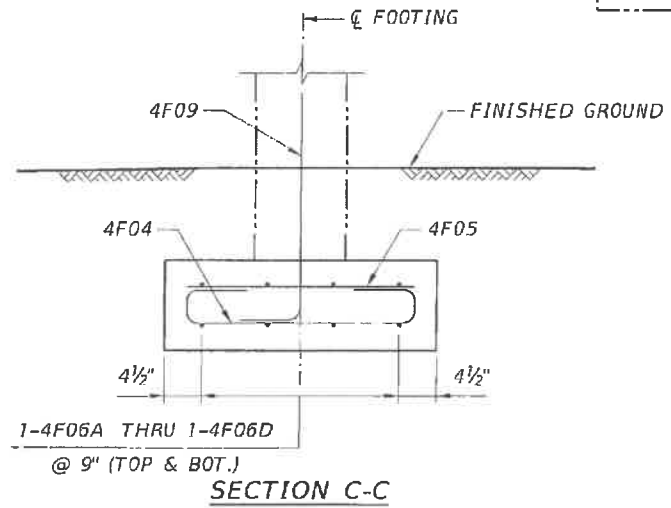
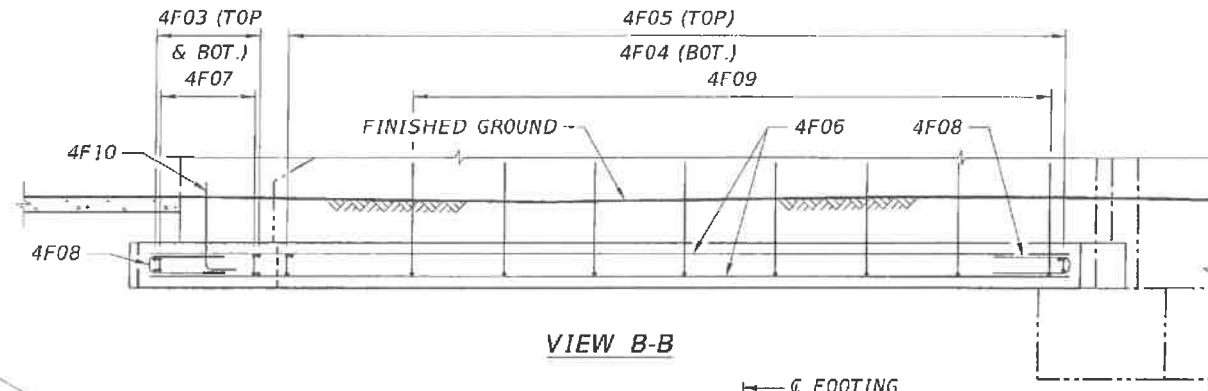
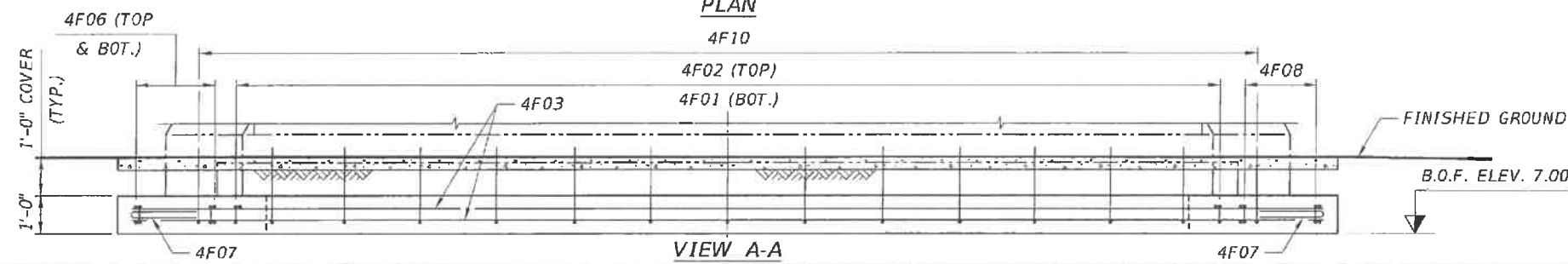
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO.
 8-13

STAIR FOOTING - SOUTH

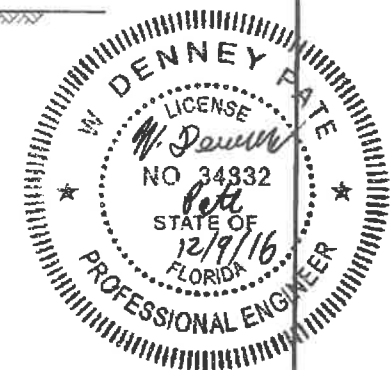


PLAN



NOTES:

1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
4. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
5. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Callhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: JDS

FIU FLORIDA INTERNATIONAL UNIVERSITY

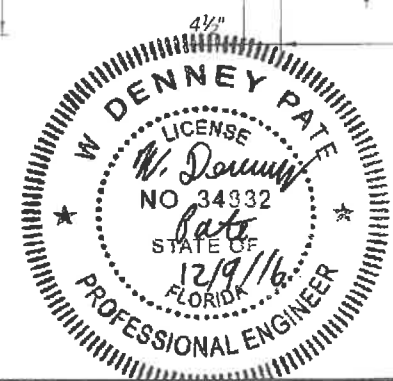
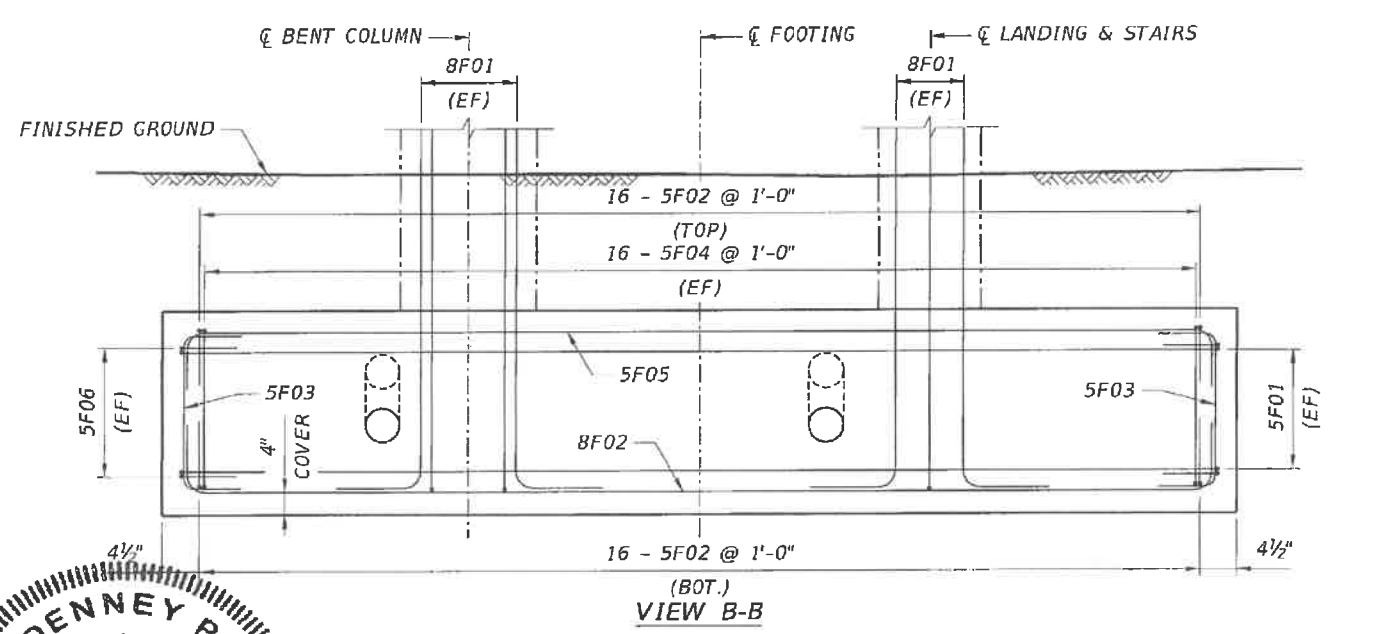
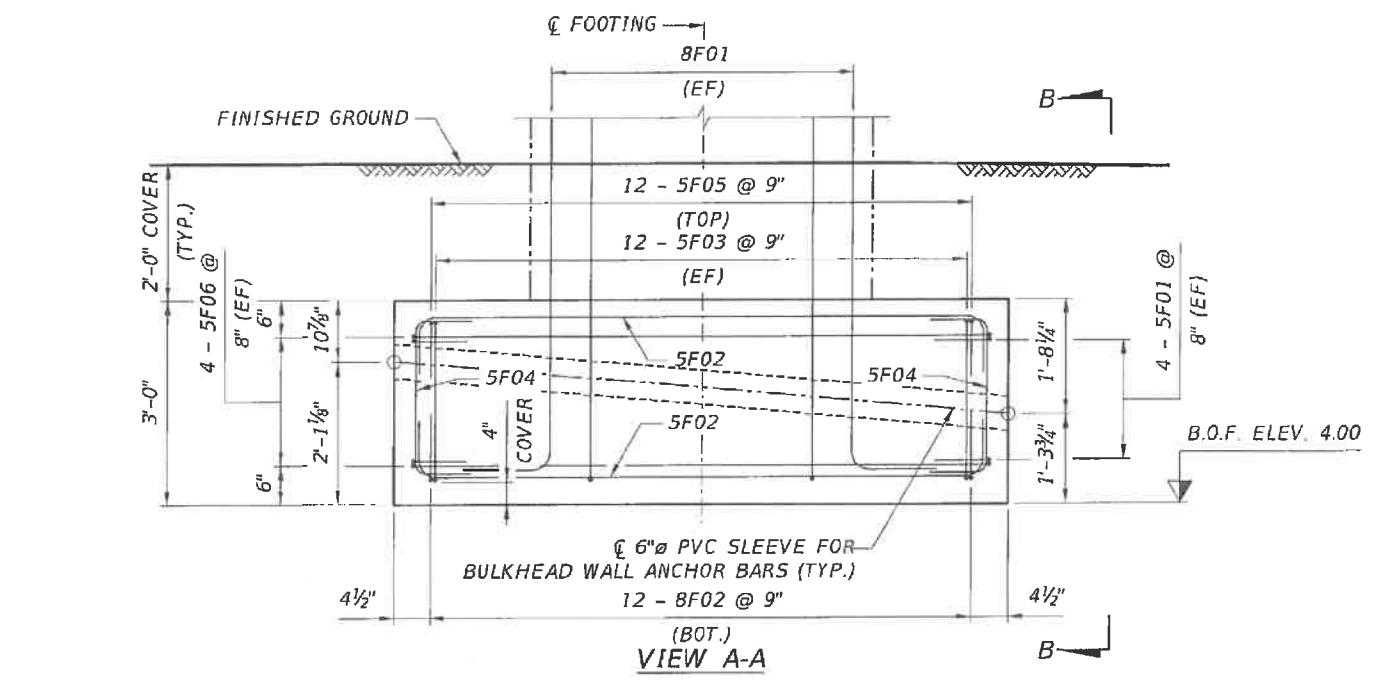
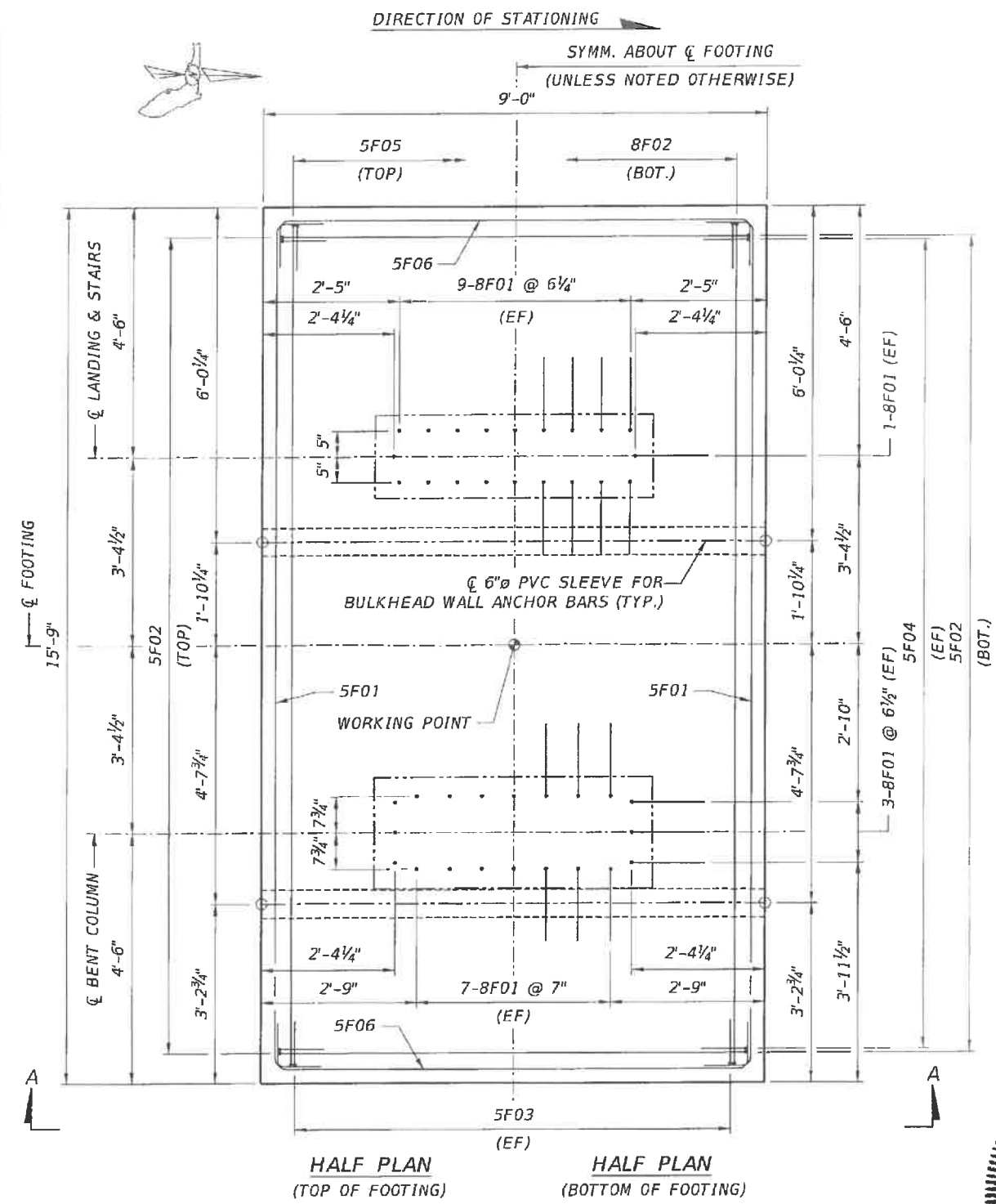
ROAD NO. COUNTY PROJECT ID
 MIAMI - DADE 434688-1-58-01

SHEET TITLE: SOUTH LANDING FOOTING DETAILS (4 OF 4) STAIR

UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-14

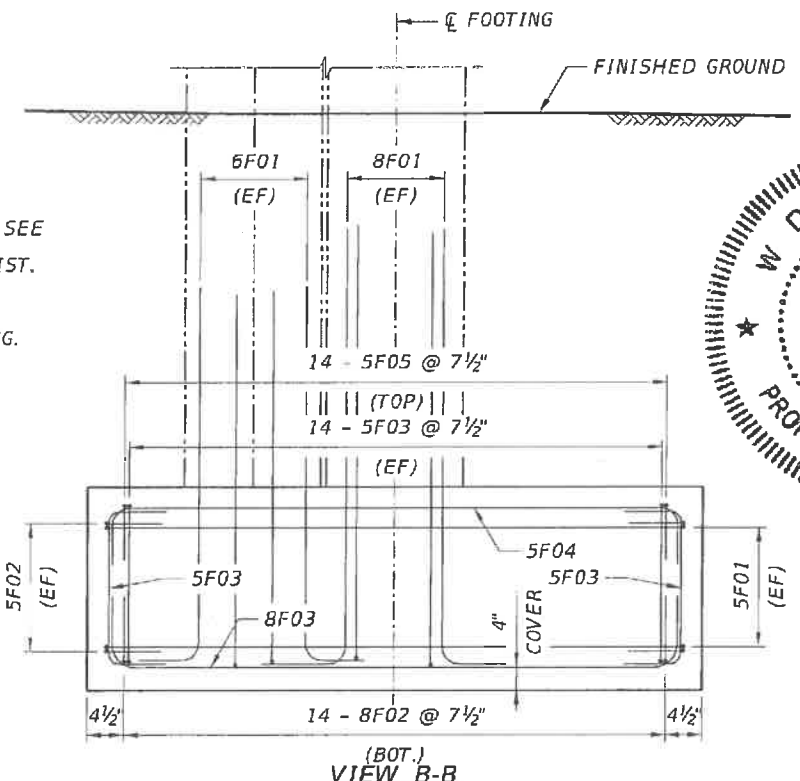
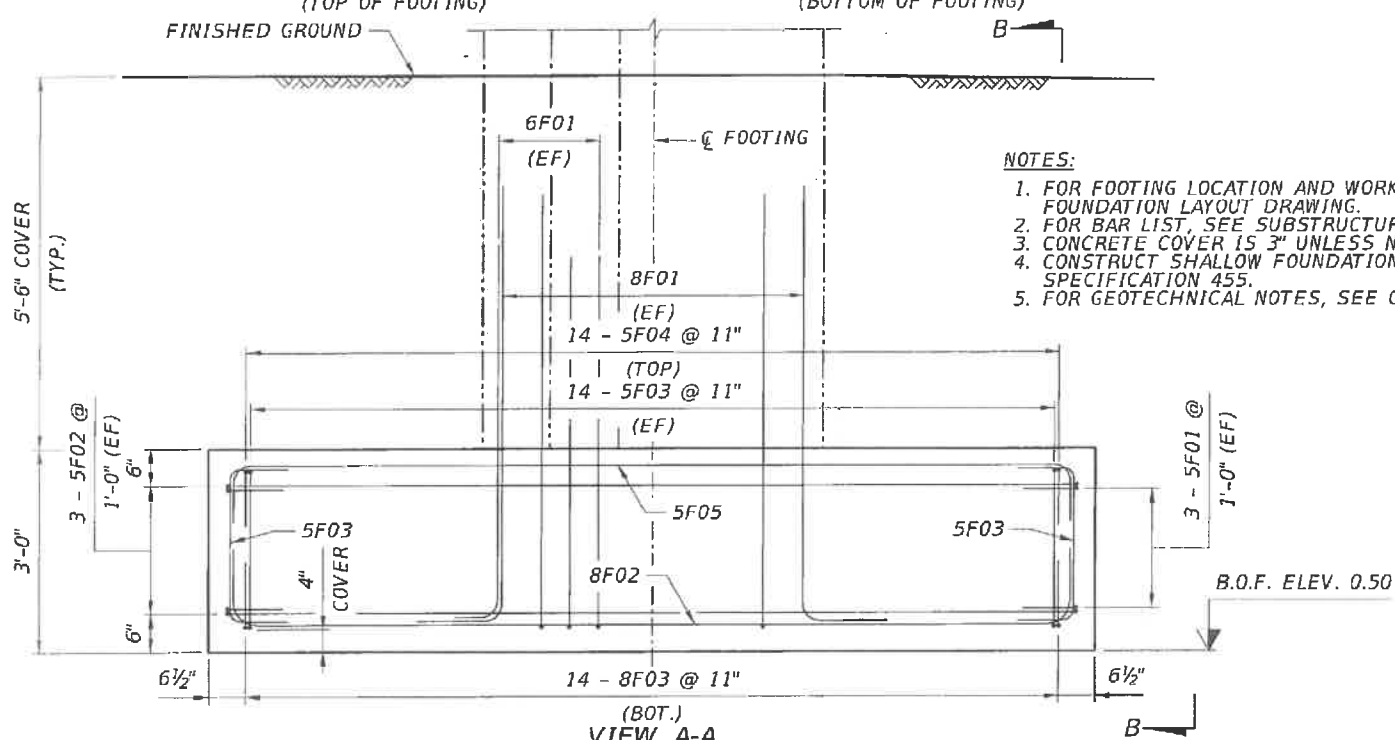
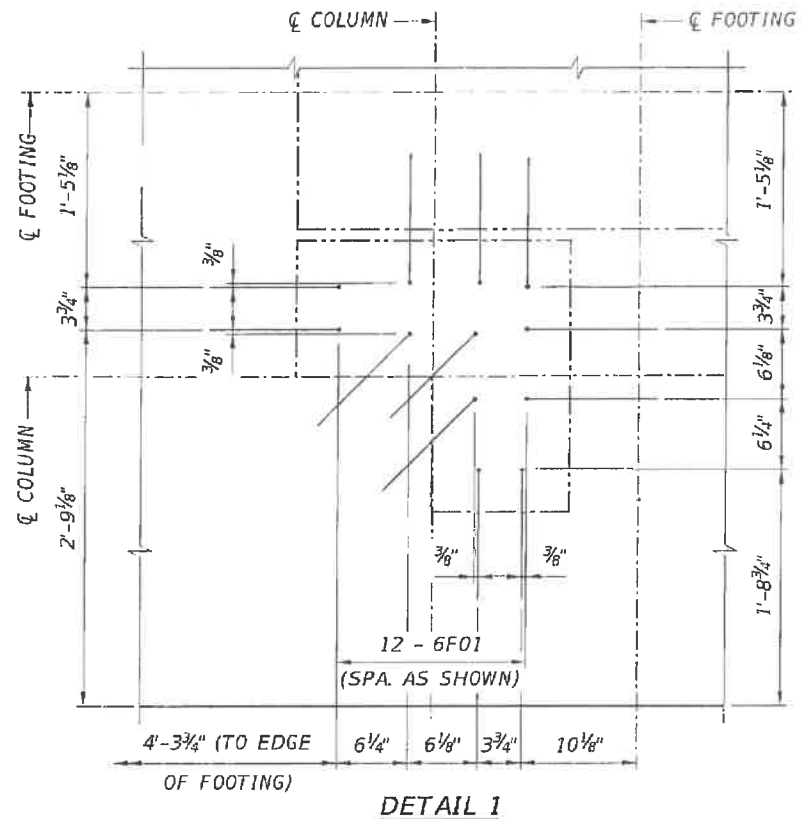
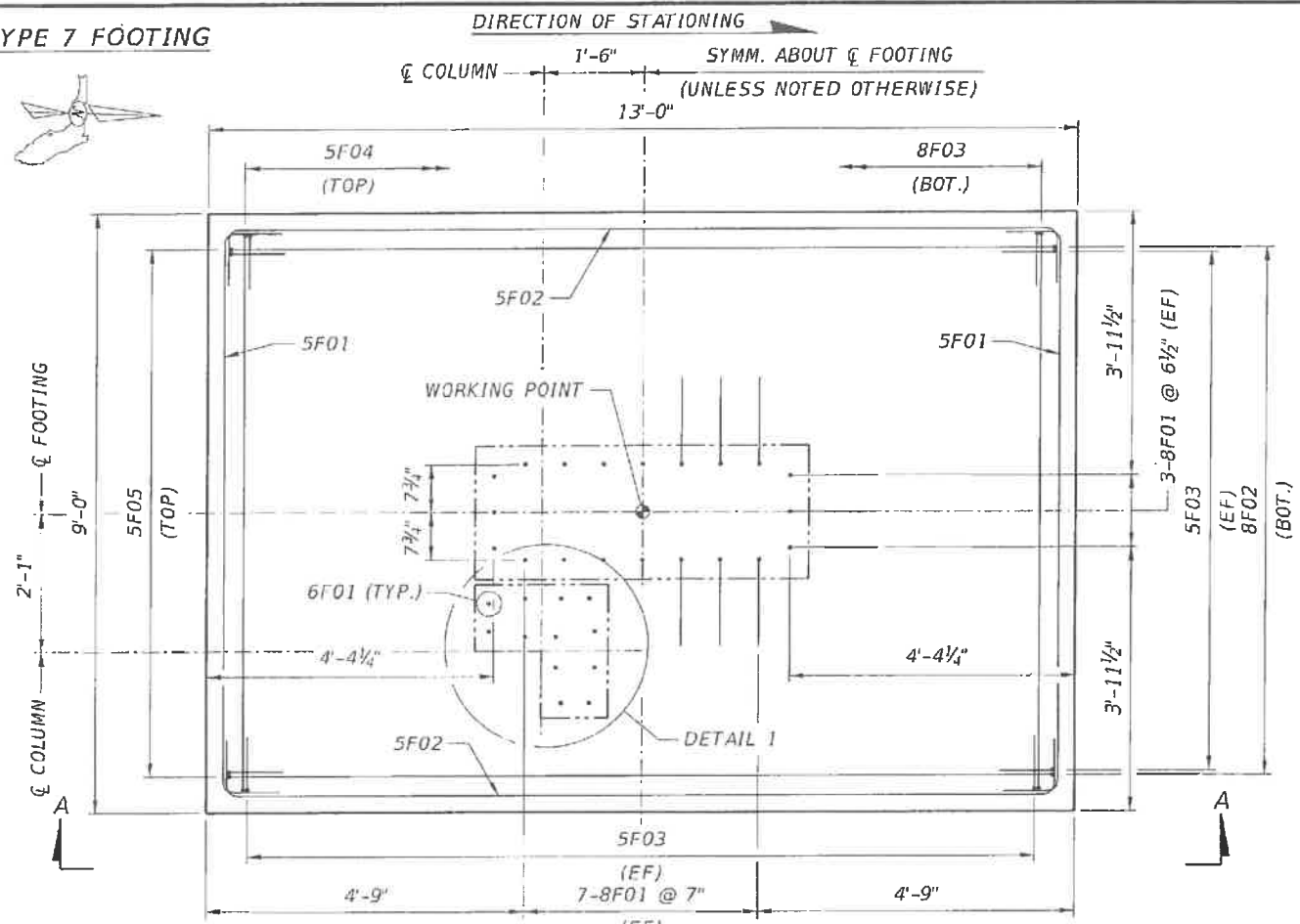
TYPE 6 FOOTING



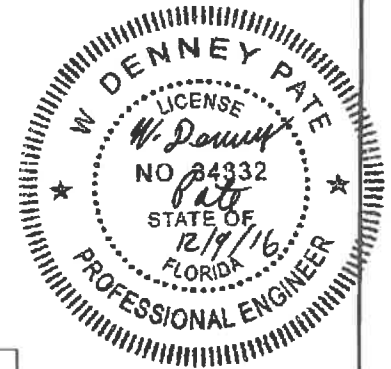
- NOTES:**
1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
 3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 4. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
 5. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.

REVISIONS						ENGINEER OF RECORD: FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332	DRAWN BY: CFR CHECKED BY: JDS DESIGNED BY: JDS CHECKED BY: ENH	ROAD NO. MIAMI - DADE	COUNTY MIAMI - DADE	PROJECT ID 434688-1-58-01	SHEET TITLE: NORTH LANDING FOOTING DETAILS (1 OF 5) TYPE 6	PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT	SHEET NO. B-15
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION								

TYPE 7 FOOTING



- NOTES:**
1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
 3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 4. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
 5. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: CFR
 CHECKED BY: JDS
 DESIGNED BY: JDS
 CHECKED BY: ENH

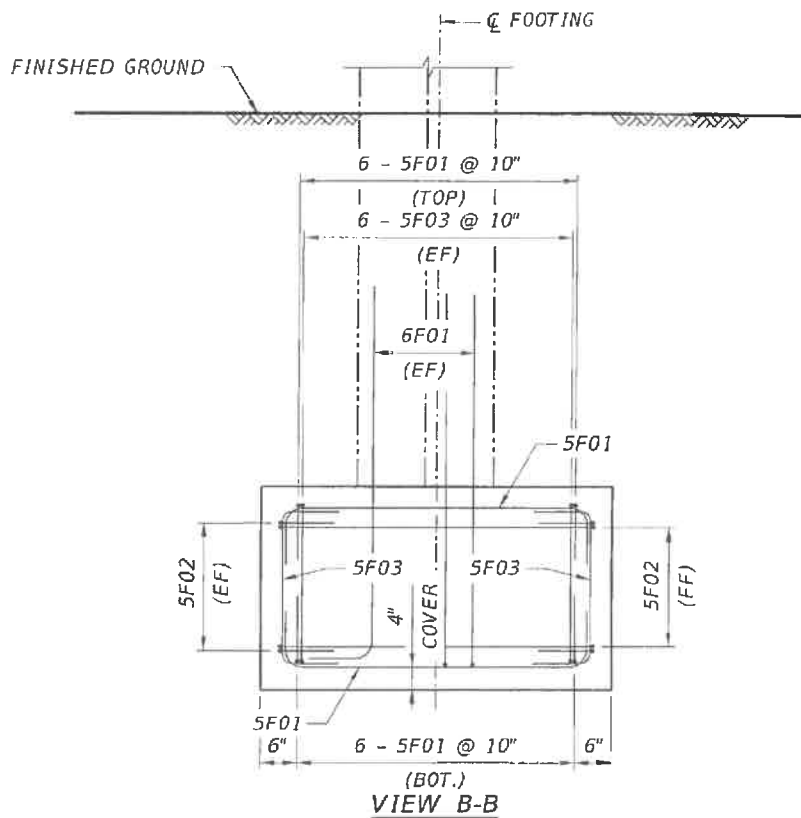
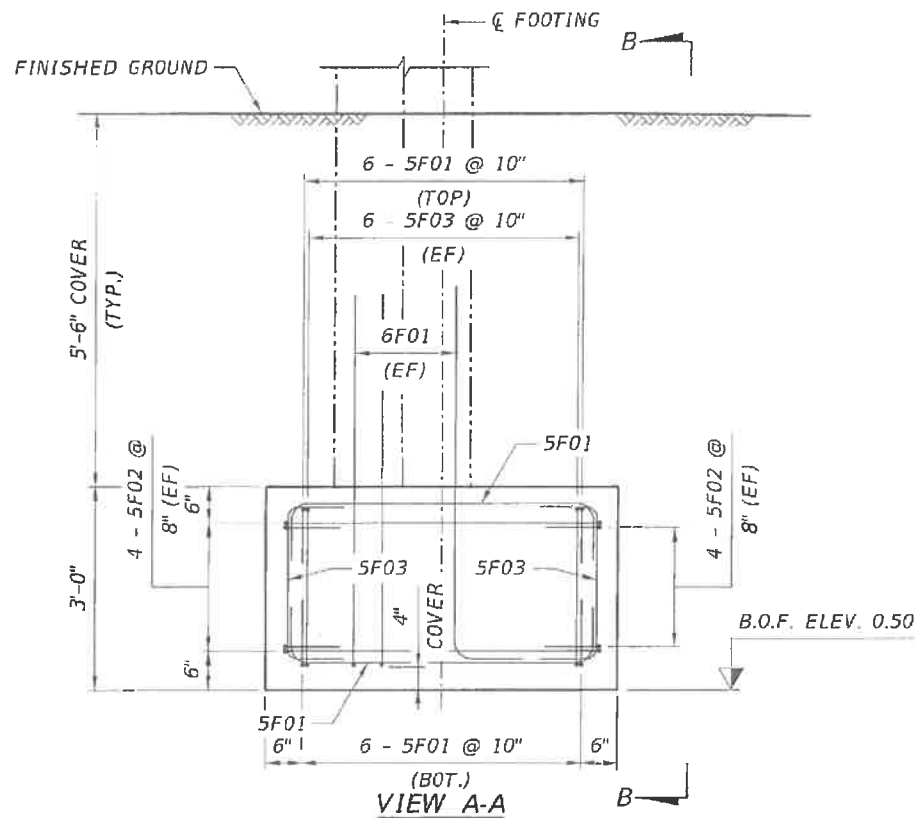
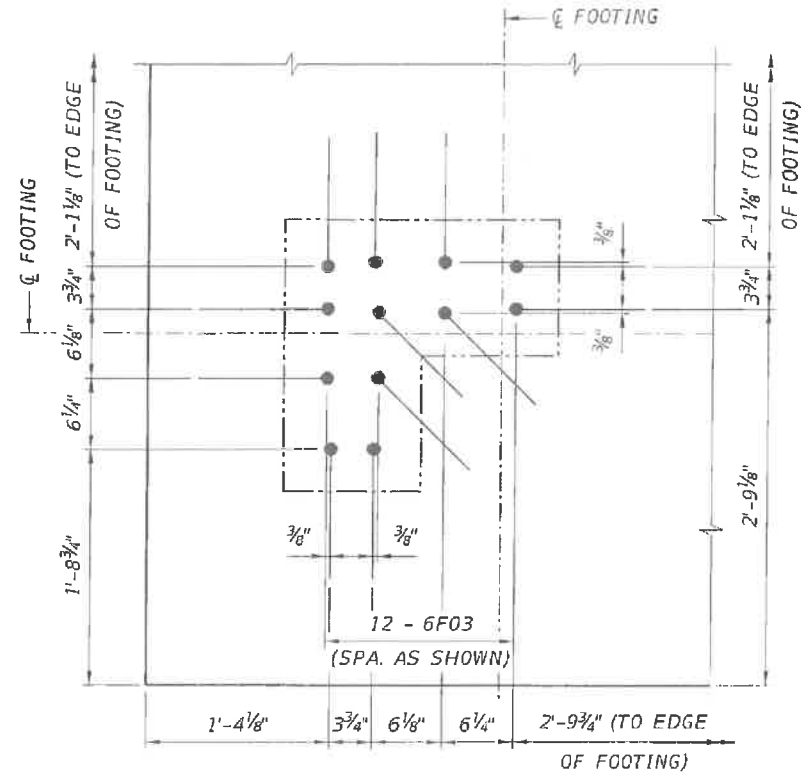
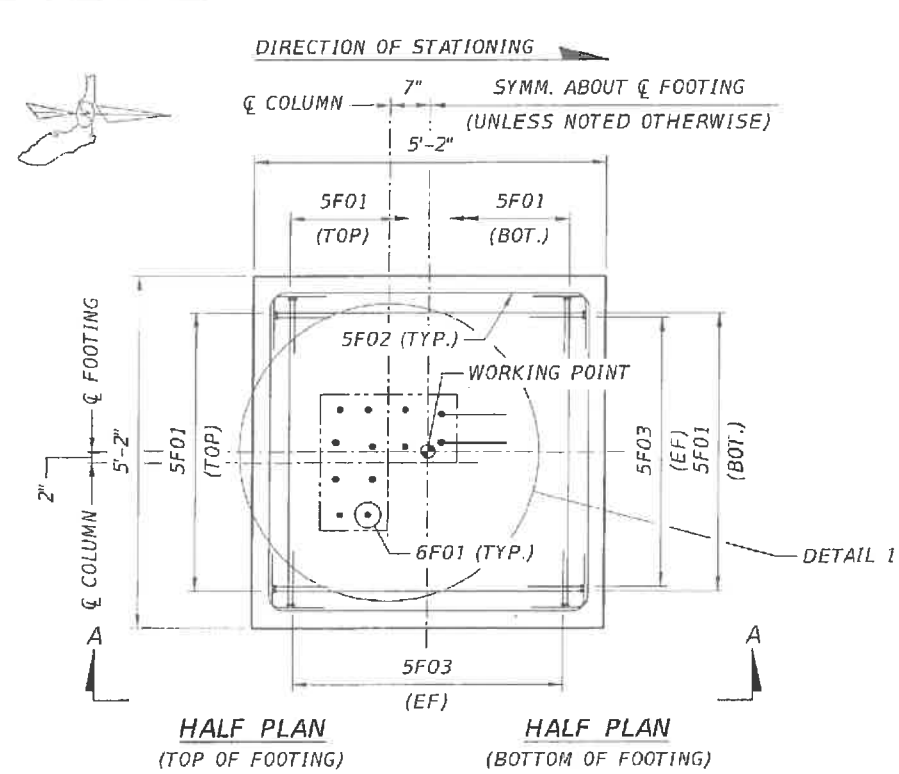
FIU FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID
 MIAMI - DADE 434688-1-58-01

SHEET TITLE:
NORTH LANDING FOOTING DETAILS (2 OF 5) TYPE 7

PROJECT NAME:
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO.
B-16

TYPE 8 FOOTING

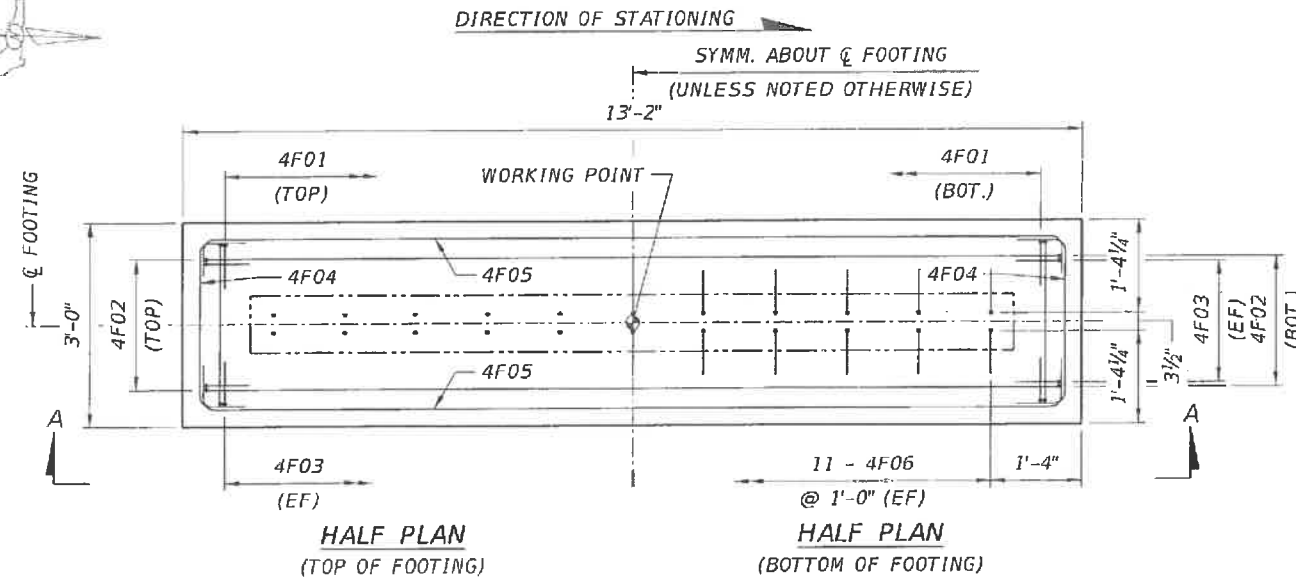
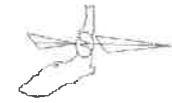


- NOTES:**
1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
 3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 4. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
 5. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



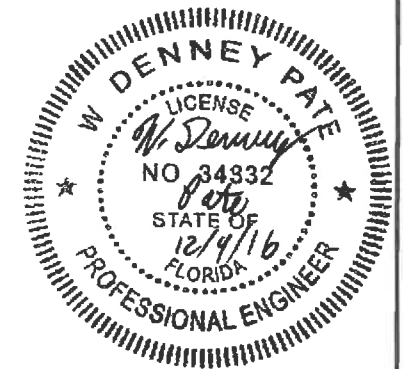
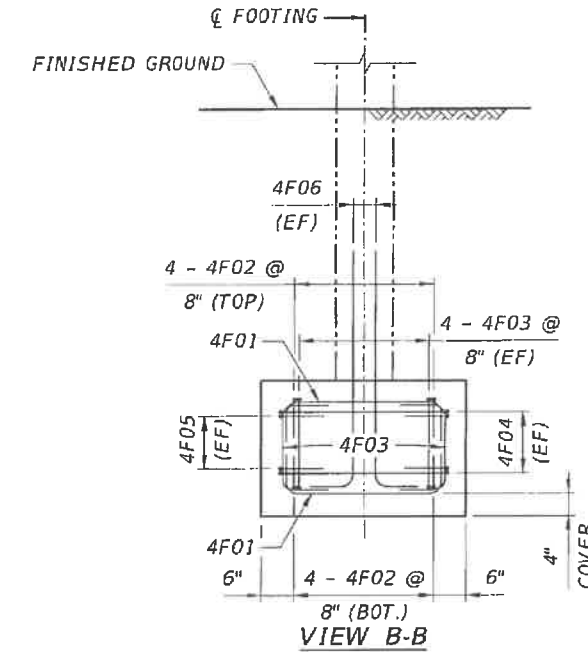
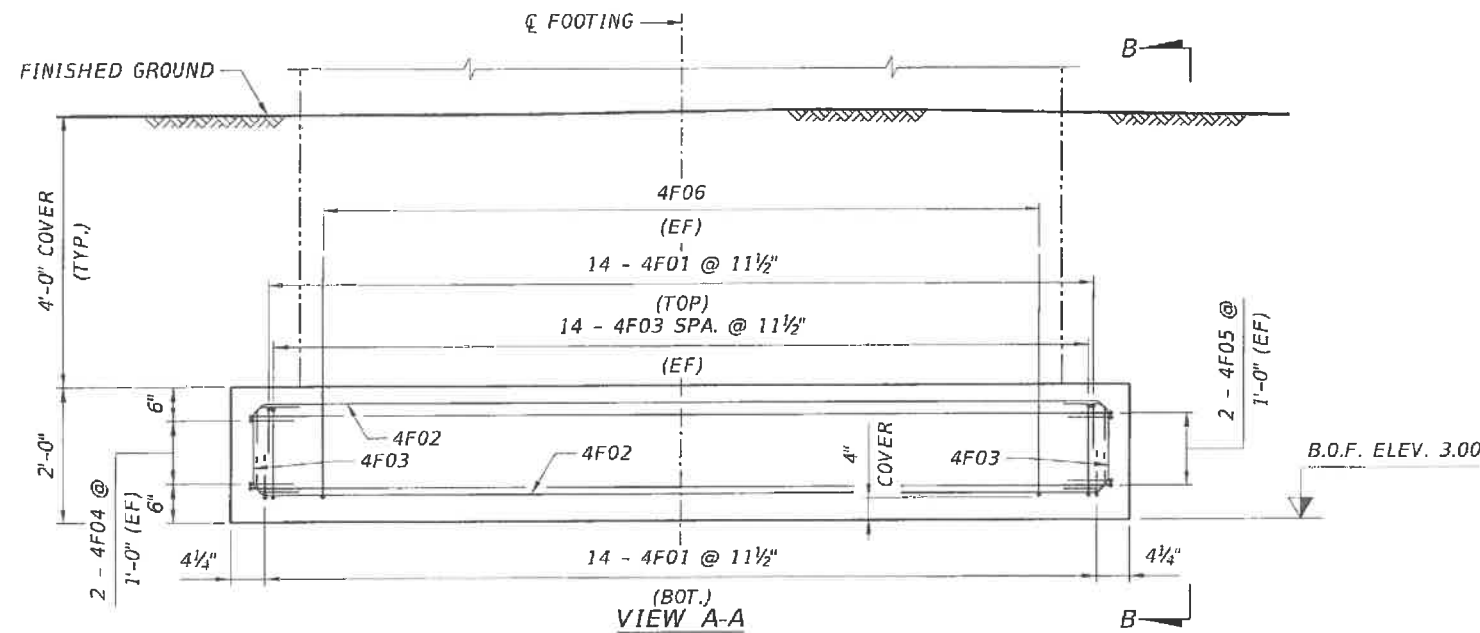
REVISIONS					ENGINEER OF RECORD: FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332	DRAWN BY: CFR CHECKED BY: JDS DESIGNED BY: JDS CHECKED BY: ENH	ROAD NO. MIAMI-DADE COUNTY PROJECT ID 434688-1-58-01	SHEET TITLE NORTH LANDING FOOTING DETAILS (3 OF 5) TYPE 8 UNIVERSITYCITY PROSPERITY PROJECT	SHEET NO. B-17
DATE	BY	DESCRIPTION	DATE	BY					

MECHANICAL ROOM FOOTING



NOTES:

1. THIS DRAWING APPLIES TO THE EAST MECHANICAL ROOM FOOTING AND THE WEST MECHANICAL ROOM FOOTING.
2. FOR FOOTING LOCATIONS AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
3. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
4. CONCRETE COVER 15 3" UNLESS NOTED OTHERWISE.
5. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
6. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: CFR
 CHECKED BY: JDS
 DESIGNED BY: JDS
 CHECKED BY: ENH

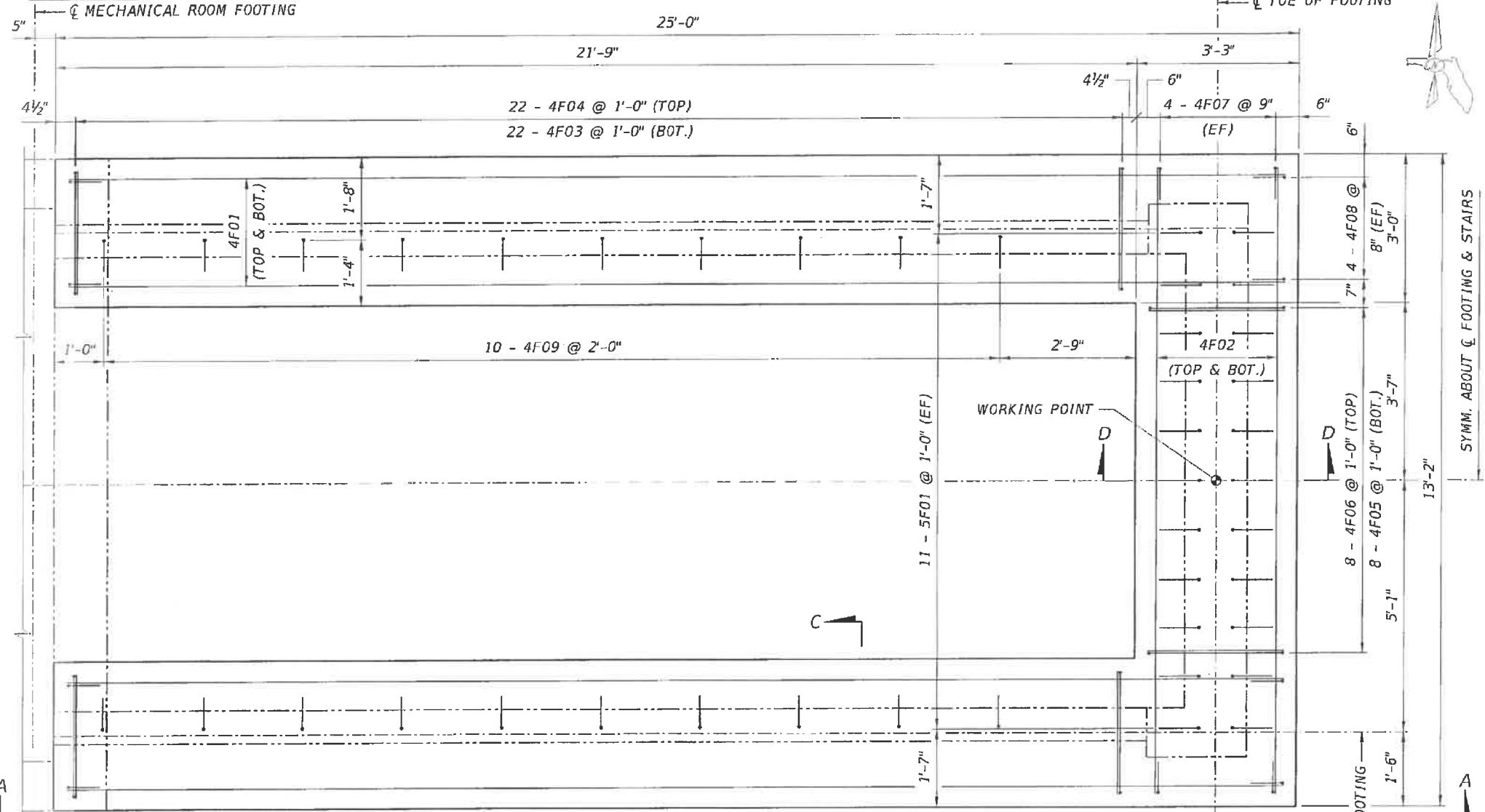
ROAD NO. COUNTY PROJECT ID
 MIAMI - DADE 434688-1-58-01

SHEET TITLE: NORTH LANDING FOOTING DETAILS (4 OF 5) ROOM

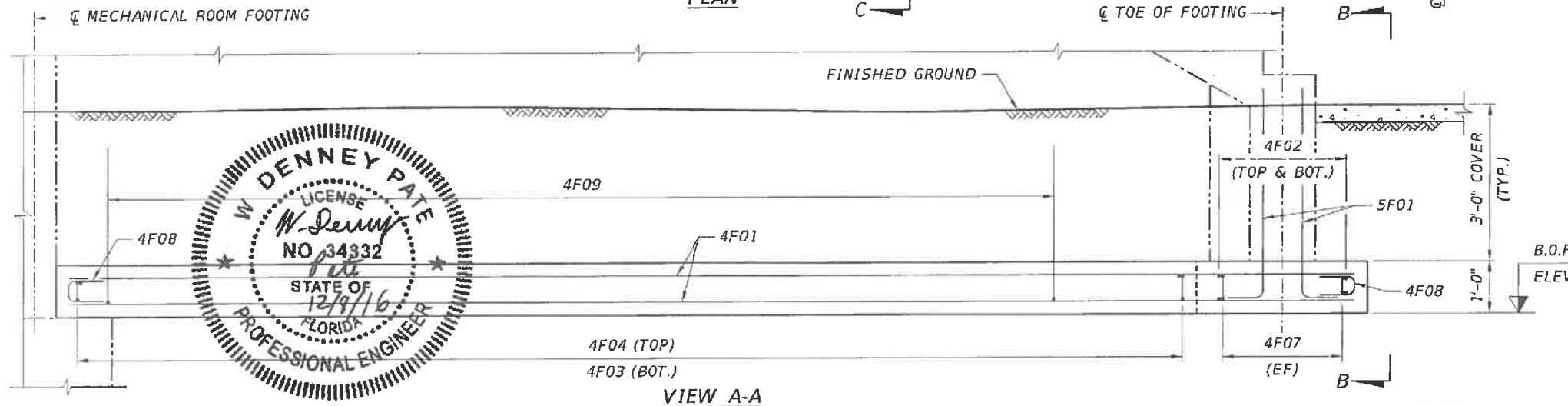
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-18

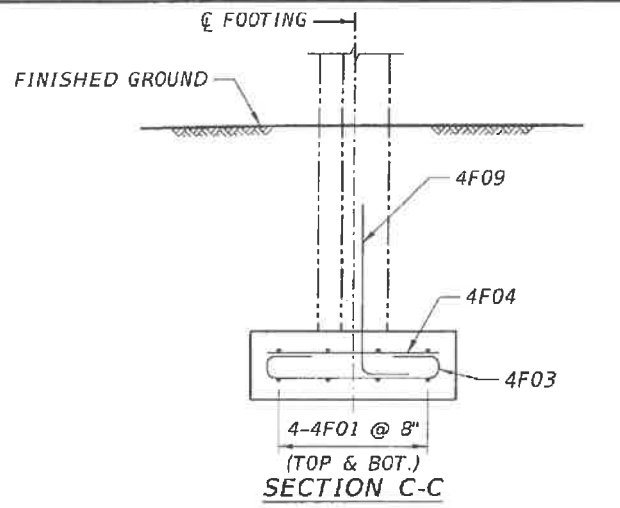
STAIR FOOTINGS - NORTH



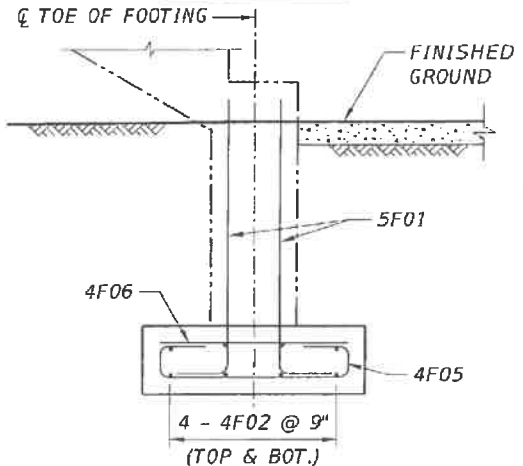
PLAN



VIEW A-A



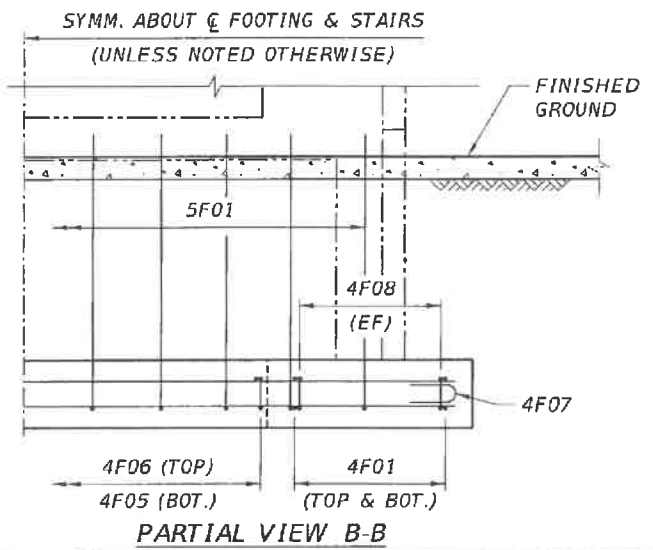
SECTION C-C



SECTION D-D

NOTES:

1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
4. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
5. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



PARTIAL VIEW B-B



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: CFR
 CHECKED BY: IDS
 DESIGNED BY: IDS
 CHECKED BY: ENH

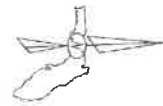
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID PROJECT NAME
 MIAMI - DADE 434688-1-58-01 UNIVERSITYCITY PROSPERITY PROJECT

SHEET TITLE: NORTH LANDING FOOTING DETAILS (5 OF 5) STAIR

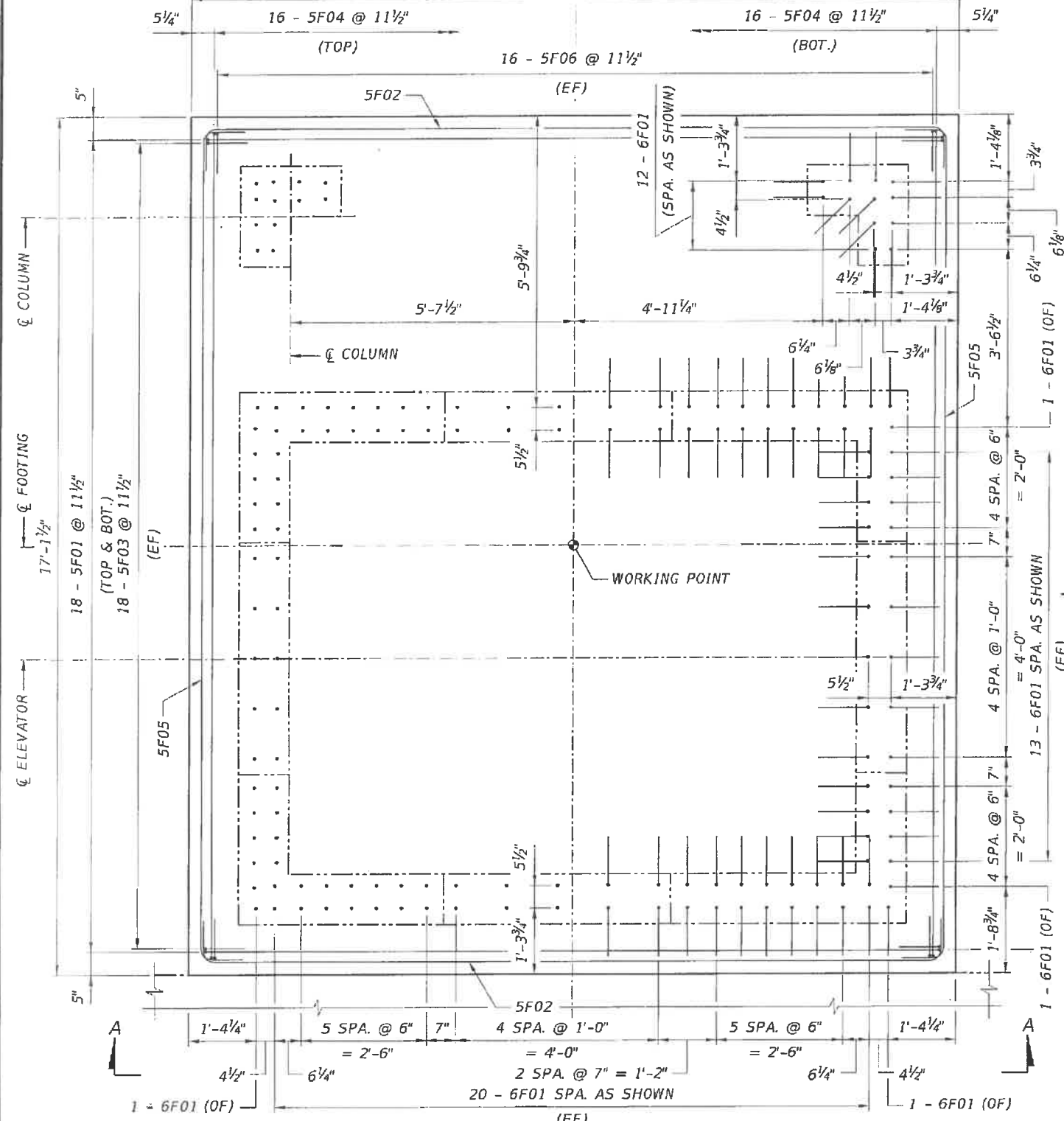
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-19



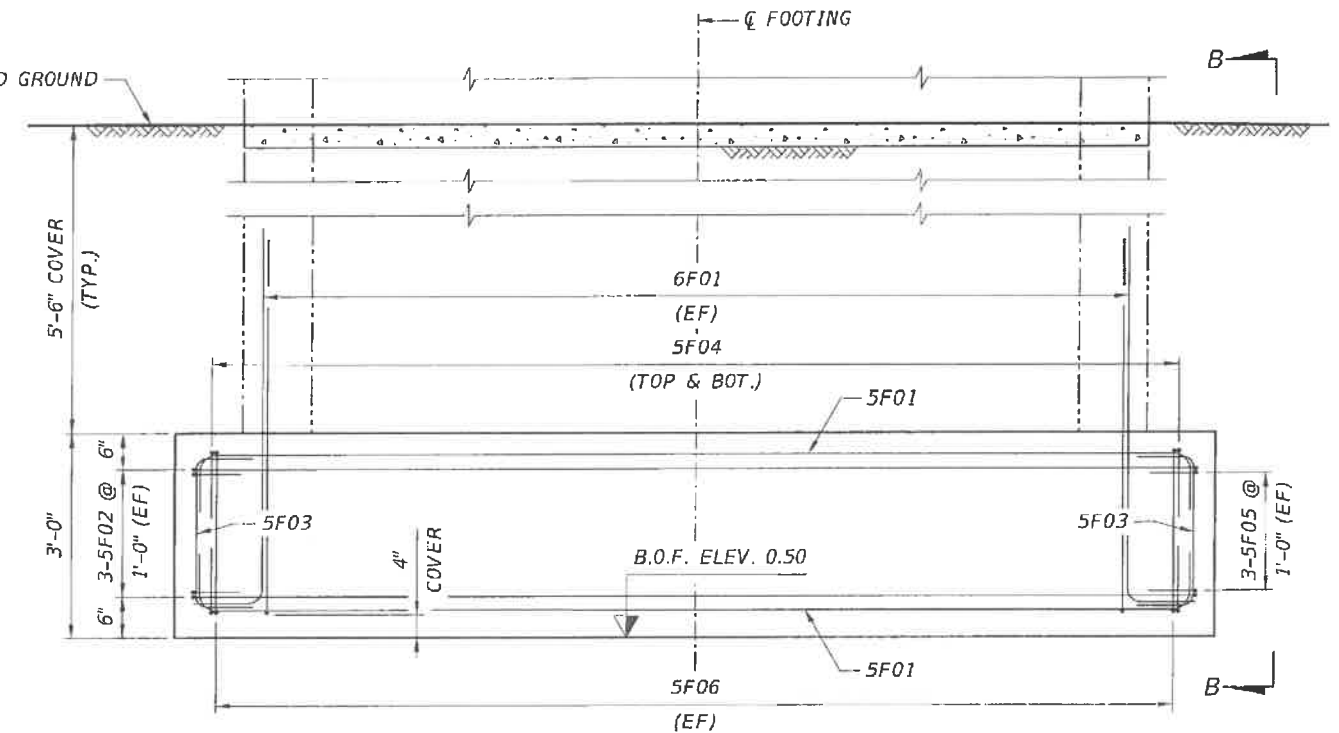
DIRECTION OF STATIONING

SYMM. ABOUT ϕ FOOTING
(UNLESS NOTED OTHERWISE)

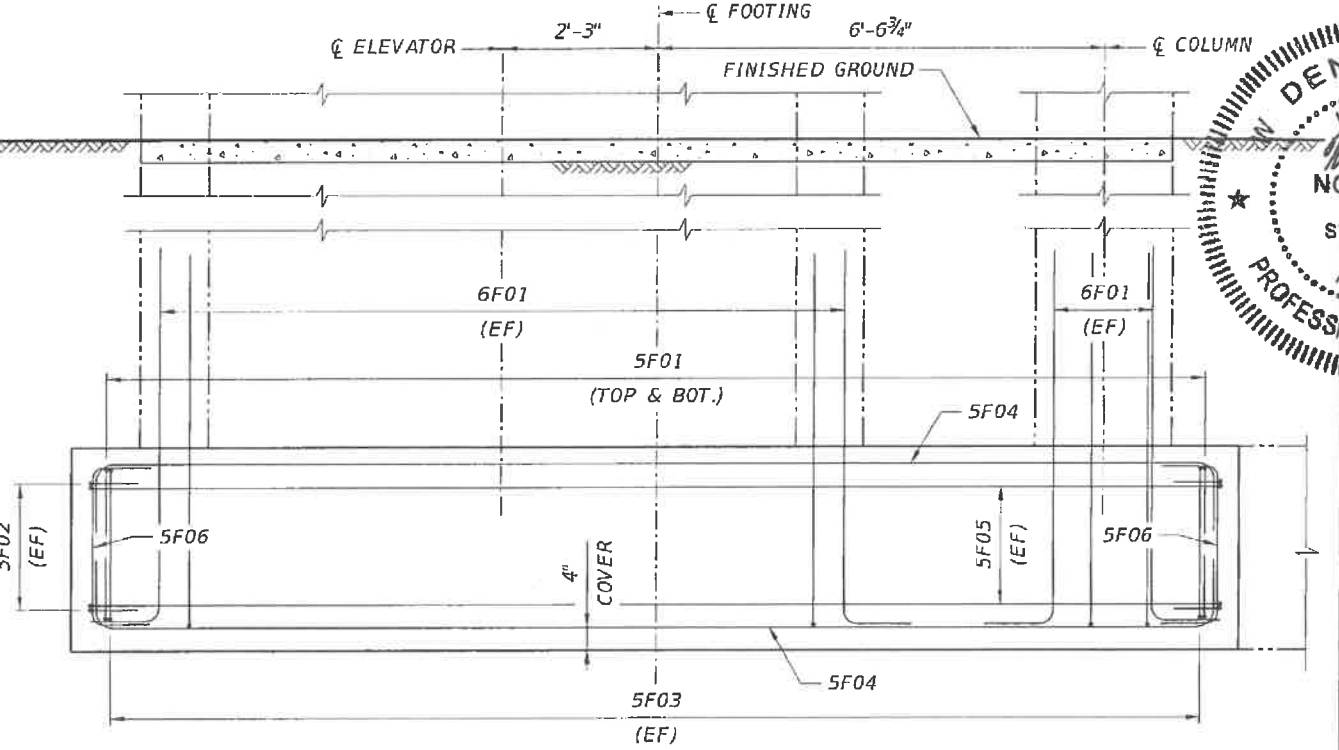


HALF PLAN
(TOP OF FOOTING)

HALF PLAN
(BOTTOM OF FOOTING)

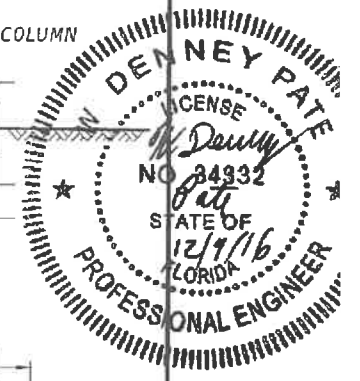


VIEW A-A



VIEW B-B

- NOTES:
1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
 3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 4. OF DENOTES OUTSIDE FACE.
 5. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
 6. A WATERPROOFING MEMBRANE SHALL BE PLACED AROUND THE PERIMETER OF THE FOOTING AND THE PIT WALLS.
 7. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



REVISIONS		REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

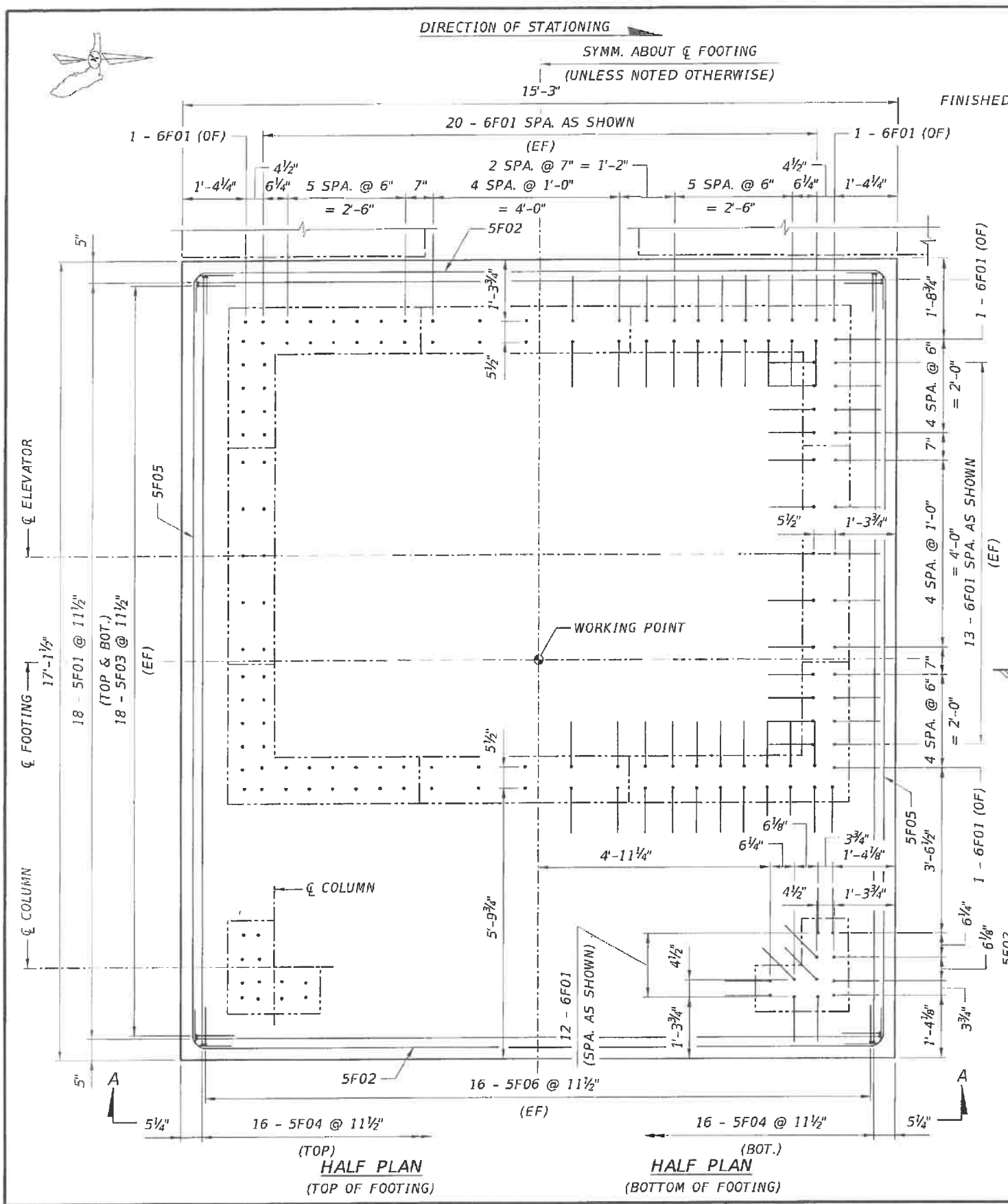
DRAWN BY: DCB
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: JDS

FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

SHEET TITLE:
SOUTH ELEVATOR TOWER FOUNDATION DETAILS

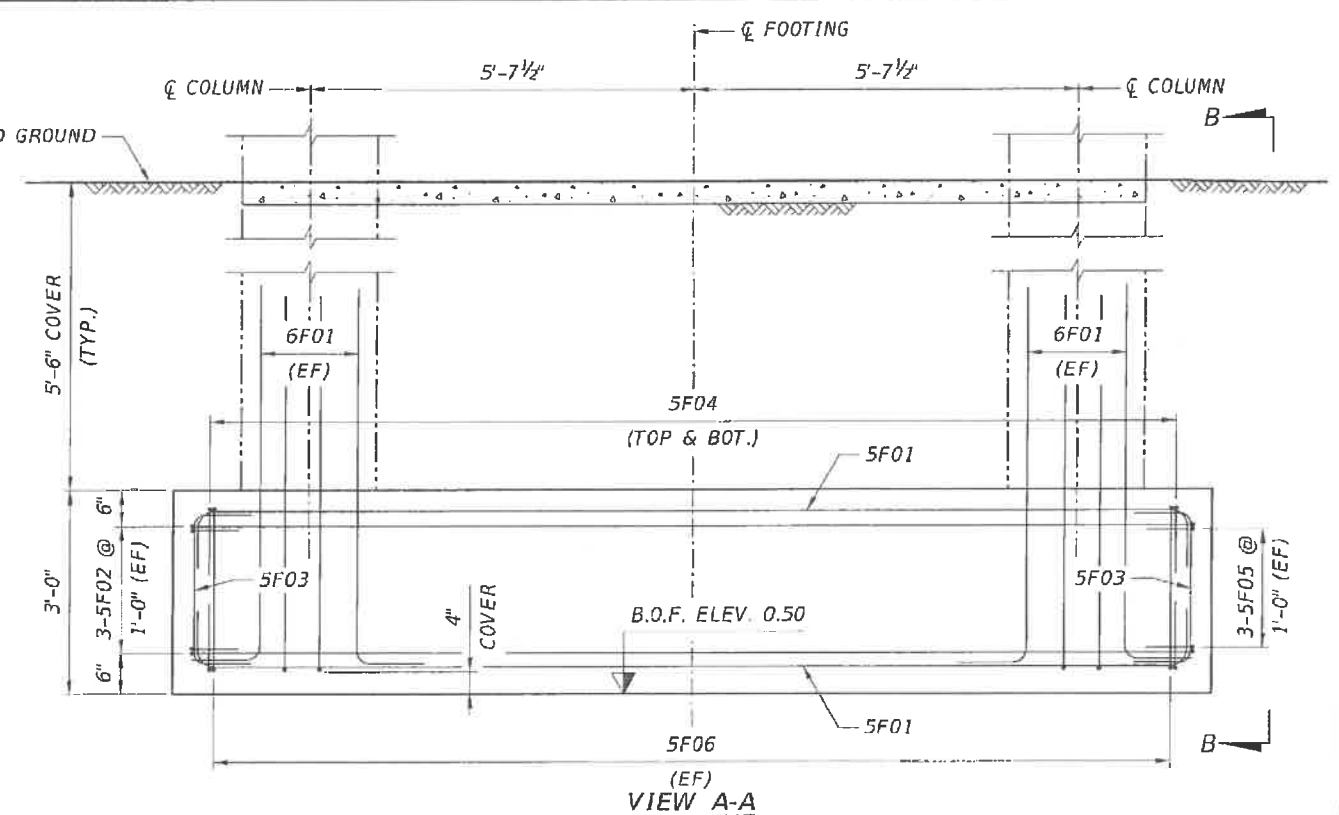
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO.
 B-20

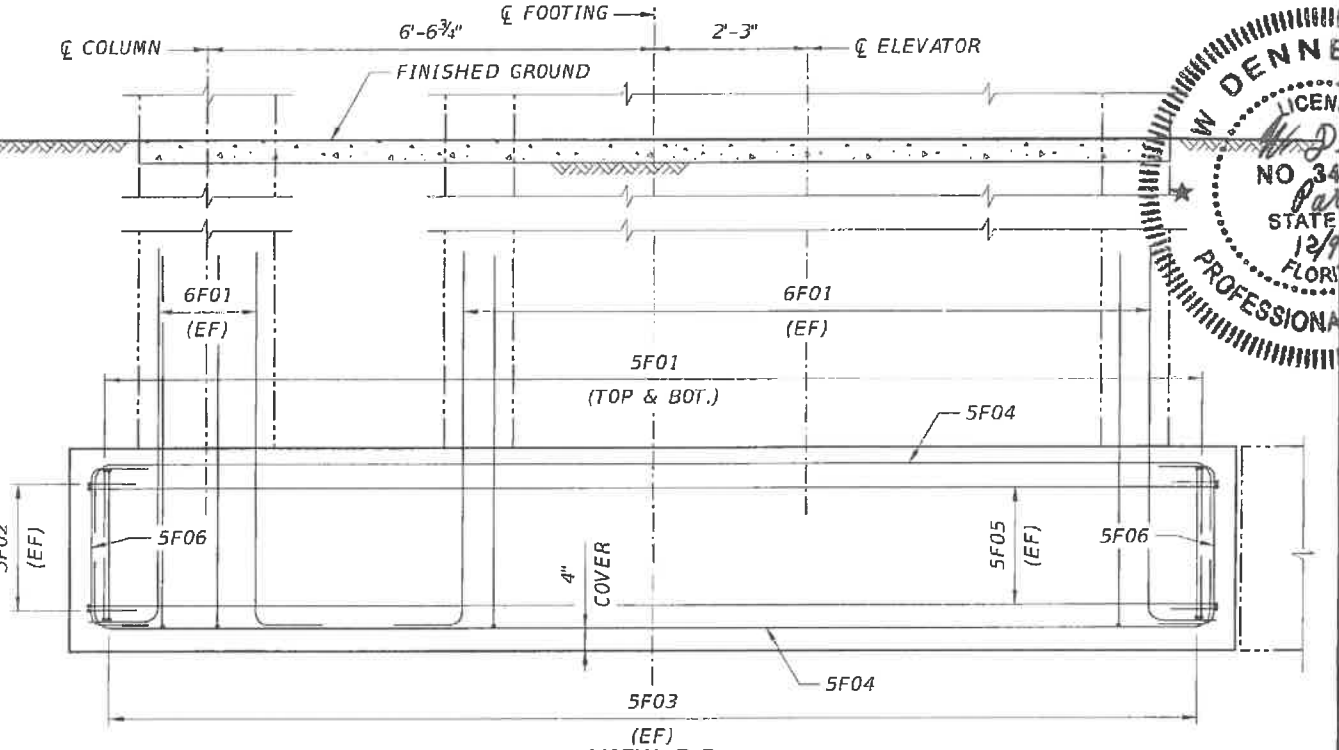


(TOP)
HALF PLAN
(TOP OF FOOTING)

(BOT.)
HALF PLAN
(BOTTOM OF FOOTING)

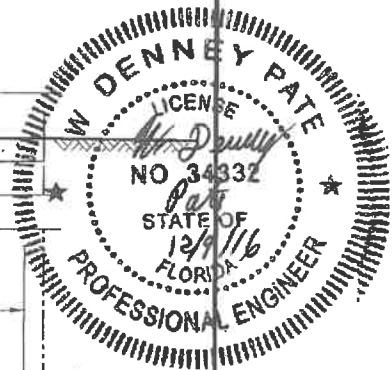


VIEW A-A



VIEW B-B

- NOTES:
1. FOR FOOTING LOCATION AND WORKING POINT COORDINATES, SEE FOUNDATION LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
 3. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 4. OF DENOTES OUTSIDE FACE.
 5. CONSTRUCT SHALLOW FOUNDATIONS IN ACCORDANCE WITH SPECIFICATION 455.
 6. A WATERPROOFING MEMBRANE SHALL BE PLACED AROUND THE PERIMETER OF THE FOOTING AND THE PIT WALLS.
 7. FOR GEOTECHNICAL NOTES, SEE GENERAL NOTES II DRAWING.



REVISIONS			
DATE	BY	DESCRIPTION	

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: CFR
 CHECKED BY: JDS
 DESIGNED BY: JDS
 CHECKED BY: ENH

FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID
 MIAMI - DADE 434688-1-58-01

SHEET TITLE:
 NORTH ELEVATOR TOWER FOUNDATION DETAILS

UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO.
 B-21

MARK	LENGTH	NO	TYP	STY	B	C	D	E	F	H	J	K	N	Ø												
SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG		
5	F06	4-10		32	10			4-0		0-10																
LOCATION															TYPE 6 FOOTING										NO. REQUIRED = 1	
5	F01	16-11		8	11			15-3		0-10																
5	F02	10-1		32	11			8-4 1/2		0-10																
5	F03	4-0		24	11			2-4		0-10																
5	F04	4-0		32	11			2-4		0-10																
5	F05	16-10		12	11			15-1 1/2		0-10																
5	F06	10-2		8	11			8-6		0-10																
8	F01	7-11		40	10			6-7		1-4																
8	F02	17-10		12	11			15-1 1/2		1-4																
LOCATION															TYPE 7 FOOTING										NO. REQUIRED = 1	
5	F01	10-2		6	11			8-6		0-10																
5	F02	14-2		6	11			12-6		0-10																
5	F03	4-0		56	11			2-4		0-10																
5	F04	10-1		14	11			8-4 3/4		0-10																
5	F05	14-1		14	11			12-4 3/4		0-10																
6	F01	6-0		12	10			5-0		1-0																
8	F01	7-11		20	10			6-7		1-4																
8	F02	15-1		14	11			12-4 3/4		1-4																
8	F03	11-1		14	11			8-4 3/4		1-4																
LOCATION															TYPE 8 FOOTING										NO. REQUIRED = 1	
5	F01	6-3		24	11			4-6 3/4		0-10																
5	F02	6-4		16	11			4-8		0-10																
5	F03	4-1		24	11			2-4 1/2		0-10																
6	F01	6-0		12	10			5-0		1-0																
LOCATION															STAIR FOOTING SOUTH										NO. REQUIRED = 1	
4	F01	5-1		26	5			0-6		2-9				0-8												
4	F02	2-9		26	1			2-9																		
4	F03A	30-1		2	3			30-1		35-3																
4	F03B	30-7		2	3			30-7		36-0																
4	F03C	31-1		2	3			31-1		36-9																
4	F03D	31-7		2	3			31-7		37-6																
4	F04	4-8		36	5			0-5		2-6				0-8												
4	F05	2-6		36	1			2-6																		
4	F06A	21-3		4	1			21-3																		
4	F06B	21-0		4	1			21-0																		
4	F06C	20-8		4	1			20-8																		
4	F06D	20-4		4	1			20-4																		
4	F07	3-9		8	11			0-5		1-8				1-8												
4	F08	3-10		16	11			0-6		1-8				1-8												
4	F09	3-8		16	10			3-0		0-8																
4	F10	2-9		15	10			2-1		0-8																
LOCATION															STAIR FOOTING NORTH										NO. REQUIRED = 1	
4	F01	24-6		16	1			24-6																		
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4	F06	2-9		8	1			2-9																		
4	F07	1-9		8	11			0-5		0-8				0-8												
4	F08	1-10		16	11			0-6		0-8				0-8												



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: CFR
 CHECKED BY: JDS/ENH
 DESIGNED BY: JDS/ENH
 CHECKED BY: MF

FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID PROJECT NAME:
 MIAMI-DADE 434688-1-58-01 UNIVERSITYCITY PROSPERITY PROJECT

SHEET TITLE: SUBSTRUCTURE REINFORCEMENT BAR LIST (2 OF 10)

SHEET NO. B-28

Plotted By: dbrewton 10/31/2016 5:49:50 PM G:\434688\15801\struct\B1RebarList02.DGN

TEMPORARY CRITICAL STEEL SHEET PILE WALL NOTES

CONSTRUCTION SPECIFICATIONS:

1. CONSTRUCTION TO BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; EDITION OF 2013, EXCEPT AS SUPPLEMENTED OR AMENDED BY THE CONTRACT PLANS OR TECHNICAL SPECIFICATIONS.
2. CONTRACTOR SHALL MONITOR SHEET PILING DURING ENTIRE CONSTRUCTION PERIOD. IN CASE SHEET PILE DEFLECTION CAUSES DISTRESS TO ADJACENT EXISTING ROADWAY PAVEMENT DURING CONSTRUCTION, THEN THIS PAVEMENT SHALL BE MAINTAINED BY CONTRACTOR.
3. ALL TEMPORARY SHEET PILE WALLS ARE TO BE REMOVED.

DESIGN SPECIFICATIONS:

- A. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SEVENTH EDITION WITH 2015 INTERIMS.
- B. FDOT STRUCTURES MANUAL DATED JANUARY 2015 AND SUBSEQUENT STRUCTURES TEMPORARY DESIGN BULLETINS TO DATE.
- C. FDOT PLANS PREPARATION MANUAL (PPM), VOLUMES 1 & 2, JANUARY 2015.

REFERENCES:

THE CRITICAL TEMPORARY SHEET PILES SHOWN ON THESE PLANS ARE REQUIRED TO CONSTRUCT THE PROPOSED FOOTING FOR BRIDGE PYLON. REFER TO TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.

NOISE RESTRICTIONS:

1. THE CONTRACTOR SHALL STRICTLY ADHERE TO ALL LOCAL NOISE ORDINANCES.

VIBRATION:

1. REFER TO BRIDGE PLANS FOR VIBRATION MONITORING REQUIREMENTS.

UTILITIES:

1. UNDERGROUND UTILITIES SHOWN IN THE WALL PLANS ARE AT APPROXIMATE LOCATIONS. FOR ADDITIONAL INFORMATION, REFERENCE ROADWAY AND UTILITY PLANS.
2. VERIFY LOCATION OF UTILITIES BEFORE COMMENCING CONSTRUCTION.
3. OVERHEAD POWER LINES:
 - MAINTAIN OSHA CLEARANCE DISTANCE FROM OVERHEAD POWER LINES TO ALL CONSTRUCTION CRANES AND OTHER EQUIPMENT.
 - PRECLUDE ENCROACHMENTS INTO UTILITY COMPANY SAFETY CLEARANCE ZONES WITH CONSTRUCTION CRANES AND OTHER EQUIPMENT.

TERMS AND ABBREVIATIONS:

1. THE TERMS "CRITICAL TEMPORARY SHEET PILE WALLS", "CRITICAL TEMPORARY WALLS", "TEMPORARY CRITICAL WALLS", AND "SHEET PILE WALLS", AND "WALLS" ARE USED INTERCHANGEABLY.

DESIGN:

1. THE DESIGN OF CRITICAL TEMPORARY WALLS HAS BEEN BASED ON THE FOLLOWING:
 - LOAD AND RESISTANCE FACTOR DESIGN.
 - WATER LEVEL IS ASSUMED AT EL. 3.500.
 - LIVE LOAD SURCHARGE: 250 PSF AT THE UPPER GROUND SURFACE.
 - THE DESIGN DOES NOT CONSIDER CONSTRUCTION EQUIPMENT LOADS EXCEEDING THE LIVE LOAD SURCHARGE; FOR THESE TYPE OF LOADS, REEVALUATION WILL BE REQUIRED.
 - DEFLECTION: WALLS HAVE BEEN PROPORTIONED WITH A MAXIMUM MOMENT OF INERTIA THAT LIMITS THE LATERAL DEFLECTION TO A MAXIMUM OF 3.0 INCHES.
 - LOAD FACTOR:
 - 1.00 FOR SHEET PILE EMBEDMENT WITH THE APPROPRIATE PASSIVE RESISTANCE FACTOR PER AASHTO LRFD 11.6.2.3.
 - 1.50 FOR SHEET PILE SECTION PROPERTIES WITH THE APPROPRIATE PASSIVE RESISTANCE FACTOR PER AASHTO LRFD 11.6.2.3.
 - SHEET PILE SECTION: PZC 18 (HOT ROLLED) ASTM A572, GRADE 50.
SECTION MODULUS: 33.5 IN³/FT
MOMENT OF INERTIA: 255.5 IN⁴/FT

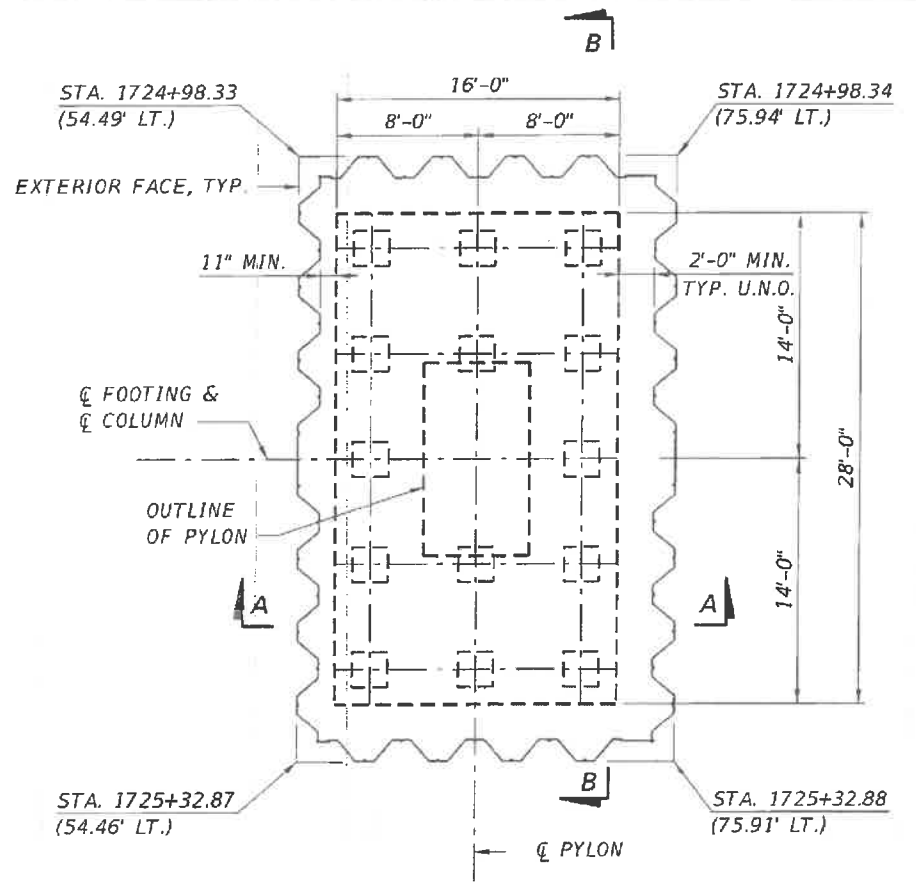
2. SOIL STRATIGRAPHY AND DESIGN PARAMETERS:

GEOTECHNICAL DESIGN PARAMETERS					
ELEV. (NGVD, 1929, FEET)	UNIT WEIGHT (PCF)		FRICTION ANGLE (DEGREES)	WALL FRICTION (DEGREES)	COHESION PSF
	MOIST	SATURATED			
	γ _m	γ _s	φ	δ	C
9.5 TO 6.5	110	115	34	11	0
6.5 TO -3.5	120	125	40	13	0
-3.5 TO -40.0	135	140	40	13	0

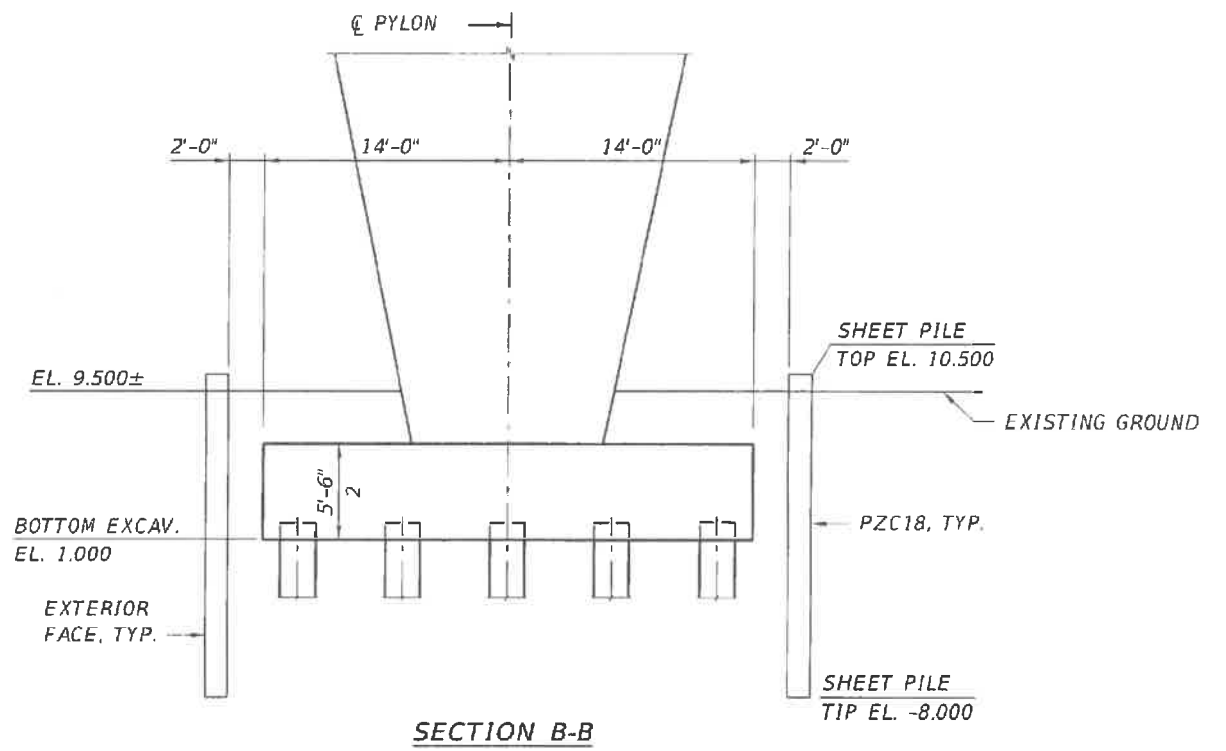
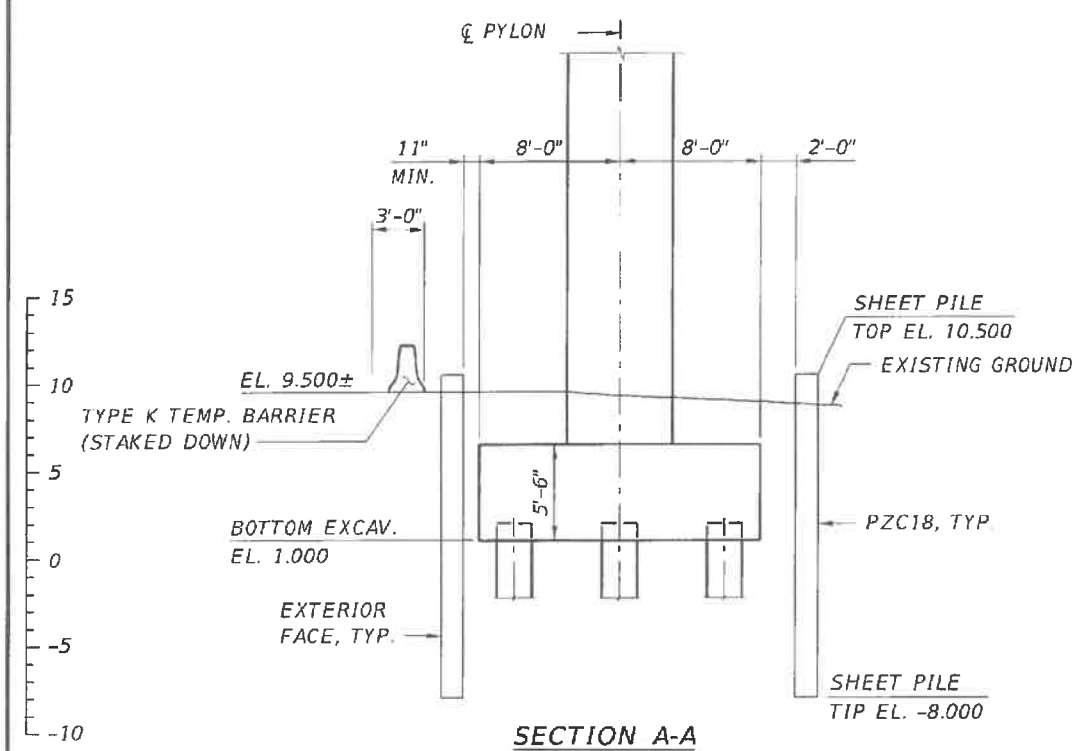
1. THE CONTRACTOR IS ADVISED THAT VERY DENSE SOILS AND/OR HARD ROCK CONDITIONS MAY BE ENCOUNTERED DURING FOUNDATION CONSTRUCTION AND SHEET PILE INSTALLATION.
- THE CONTRACTOR IS ADVISED THAT THE NATURAL LIMESTONE FORMATION MAY BE DIFFICULT TO EXCAVATE, PENETRATE AND/OR DEWATER AND THAT SPECIAL EQUIPMENT MAY BE REQUIRED.



REVISIONS						OSMANY ALFONSO, PE PE LICENSE NO. 61601 A&P CONSULTING TRANSPORTATION ENGINEERS CORP. 10305 N.W. 41 STREET, SUITE 115 MIAMI, FLORIDA 33178 CERTIFICATE OF AUTHORIZATION EB-0007797	DRAWN BY: JAR CHECKED BY: DA DESIGNED BY: DA CHECKED BY: AA	FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI-DADE BT-904	SHEET TITLE:		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				TEMPORARY CRITICAL STEEL SHEET PILE WALL NOTES		
									UNIVERSITYCITY PROSPERITY PROJECT		



- NOTES:**
1. WORK THIS SHEET IN CONJUNCTION WITH BRIDGE FOUNDATION LAYOUT AND TRAFFIC CONTROL PLANS.
 2. FOR TEMPORARY WALL GENERAL NOTES SEE SHEET TW-1.
 3. ALL OFFSETS ARE GIVEN TO EXTERIOR FACE OF SHEET PILE AND REFERENCED TO @ SURVEY SR 90.
 4. ALL TEMPORARY SHEET PILES ARE TO BE EXTRACTED.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

OSMANY ALFONSO, PE
 PE LICENSE NO. 61601
 A&P CONSULTING TRANSPORTATION ENGINEERS CORP.
 10305 N.W. 41 STREET, SUITE 115
 MIAMI, FLORIDA 33178
 CERTIFICATE OF AUTHORIZATION EB-0007797

DRAWN BY: JAR
 CHECKED BY: OA
 DESIGNED BY: OA
 CHECKED BY: AA

FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE BT-904

SHEET TITLE: TEMPORARY CRITICAL STEEL SHEET PILE WALL

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. TW-2

FLORIDA INTERNATIONAL UNIVERSITY AND CITY OF SWEETWATER UNIVERSITY CITY

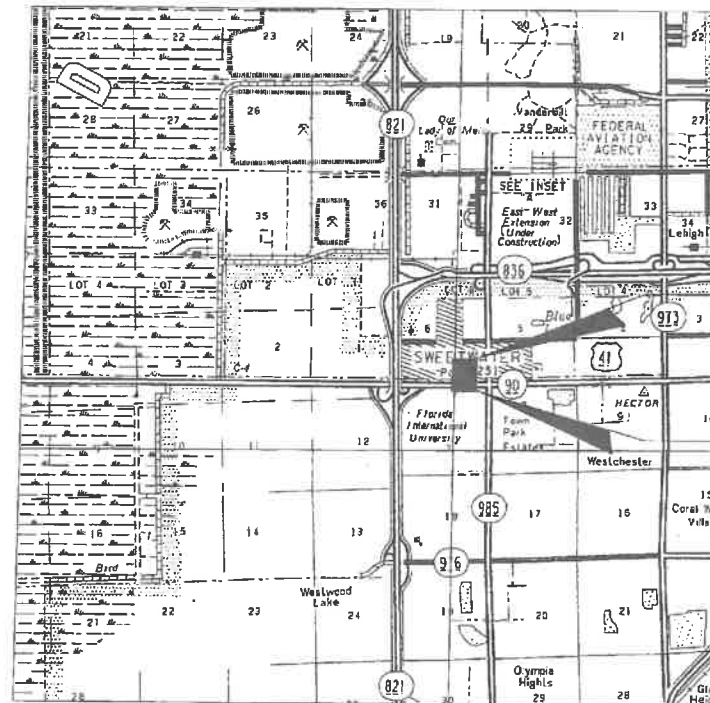
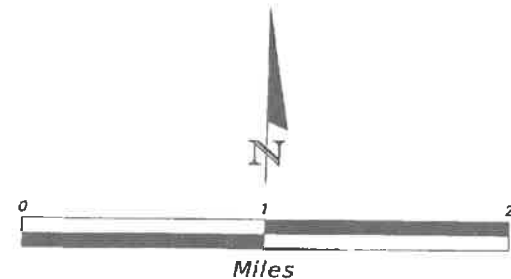
R.F.C. SUBSTRUCTURE PLANS

FINANCIAL PROJECT ID - 434688-1-58-01
CONTRACT BT-904
MIAMI-DADE COUNTY
UNIVERSITY CITY PROSPERITY PROJECT



INDEX OF PROJECT PLANS

SHEET NO.	SHEET DESCRIPTION
LB-01 THRU LB-03	LANDSCAPE
HB-01 THRU HB-03	HARDSCAPE
IB-01 THRU IB-05	IRRIGATION
B-1 THRU B-110	STRUCTURAL PLANS
R-1 THRU R-49	ROADWAY
CLT-1 THRU CLT-3	PROJECT SURVEY CONTROL
S-1 THRU S-5	SIGNING AND PAVEMENT MARKING
T-1 THRU T-5	SIGNALIZATION
BW-0 THRU BW-14	WALL W-1
TW-1 THRU TW-2	TEMPORARY CRITICAL WALL
M-00 THRU M-05	MECHANICAL
E-00 THRU E-10	ELECTRICAL
P-00 THRU P-02	PLUMBING



LOCATION MAP
SECTION 5 & 6, TOWNSHIP 55 SOUTH, RANGE 39 EAST
MIAMI-DADE COUNTY, FLORIDA

PREPARED FOR:



PLANS PREPARED BY:



424 North Calhoun Street
Tallahassee, Florida 32301
Tel. (850) 224-7400
Florida Certificate of Authorization 5618

STRUCTURAL PLANS
ENGINEER OF RECORD

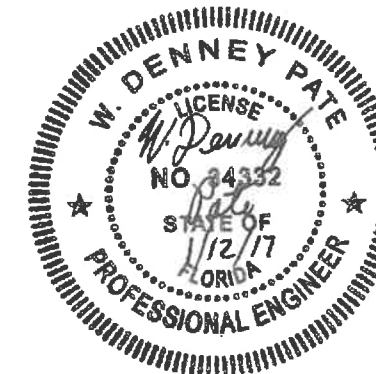
W. DENNEY PATE, P.E.
LICENSE NUMBER 34332

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2015, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2015, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-15

For Design Standards Modification Click on "Design Standards" at the following web site:
<https://www.dot.state.fl.us/rddesign/>

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

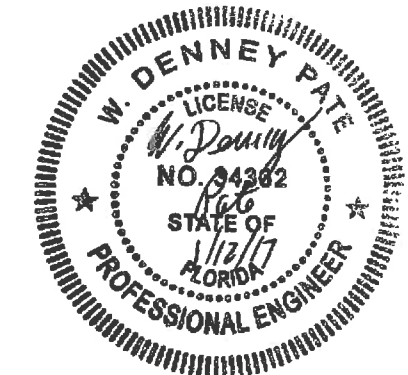


NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

FISCAL YEAR	SHEET NO.
16	1

INDEX OF DRAWINGS

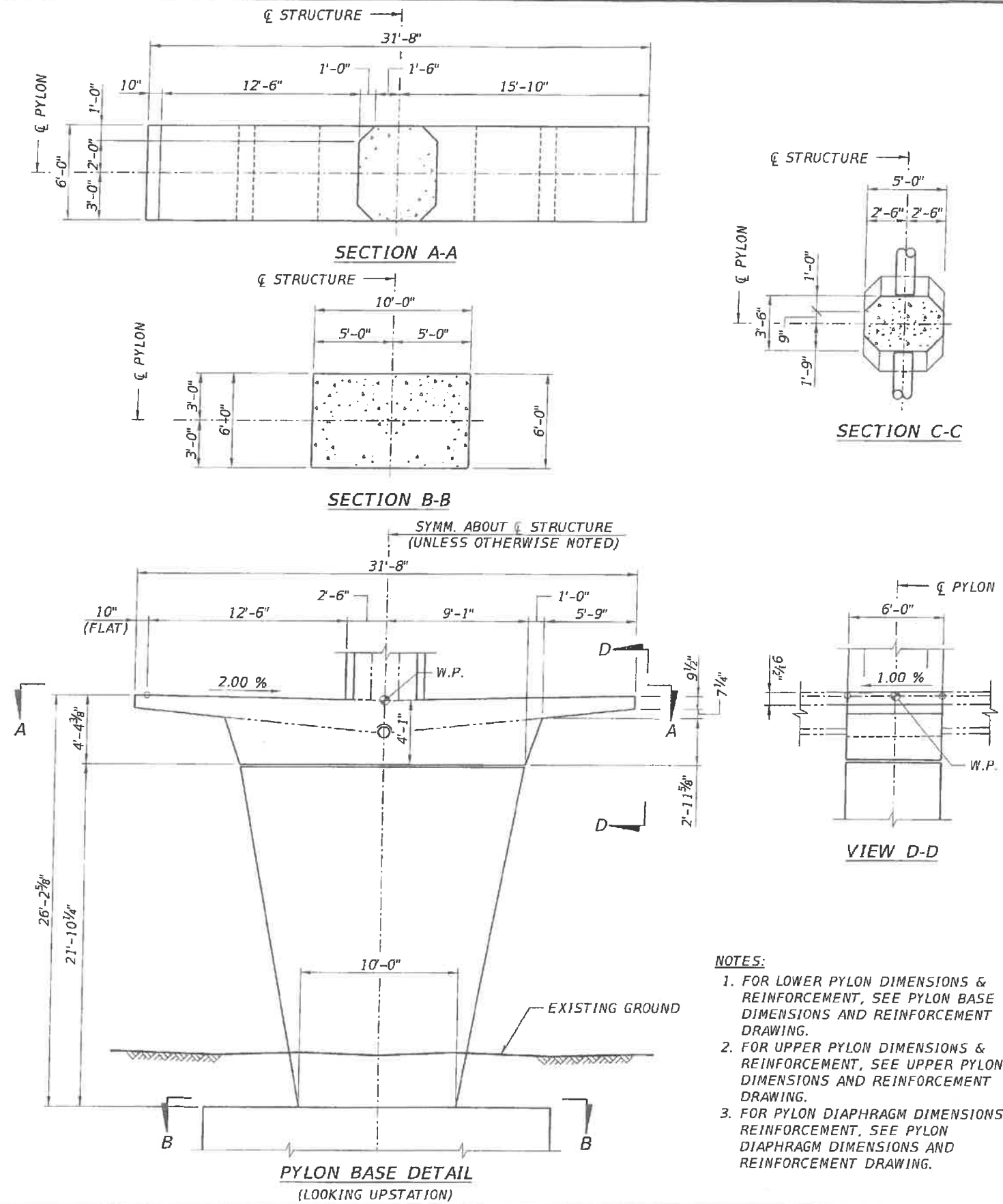
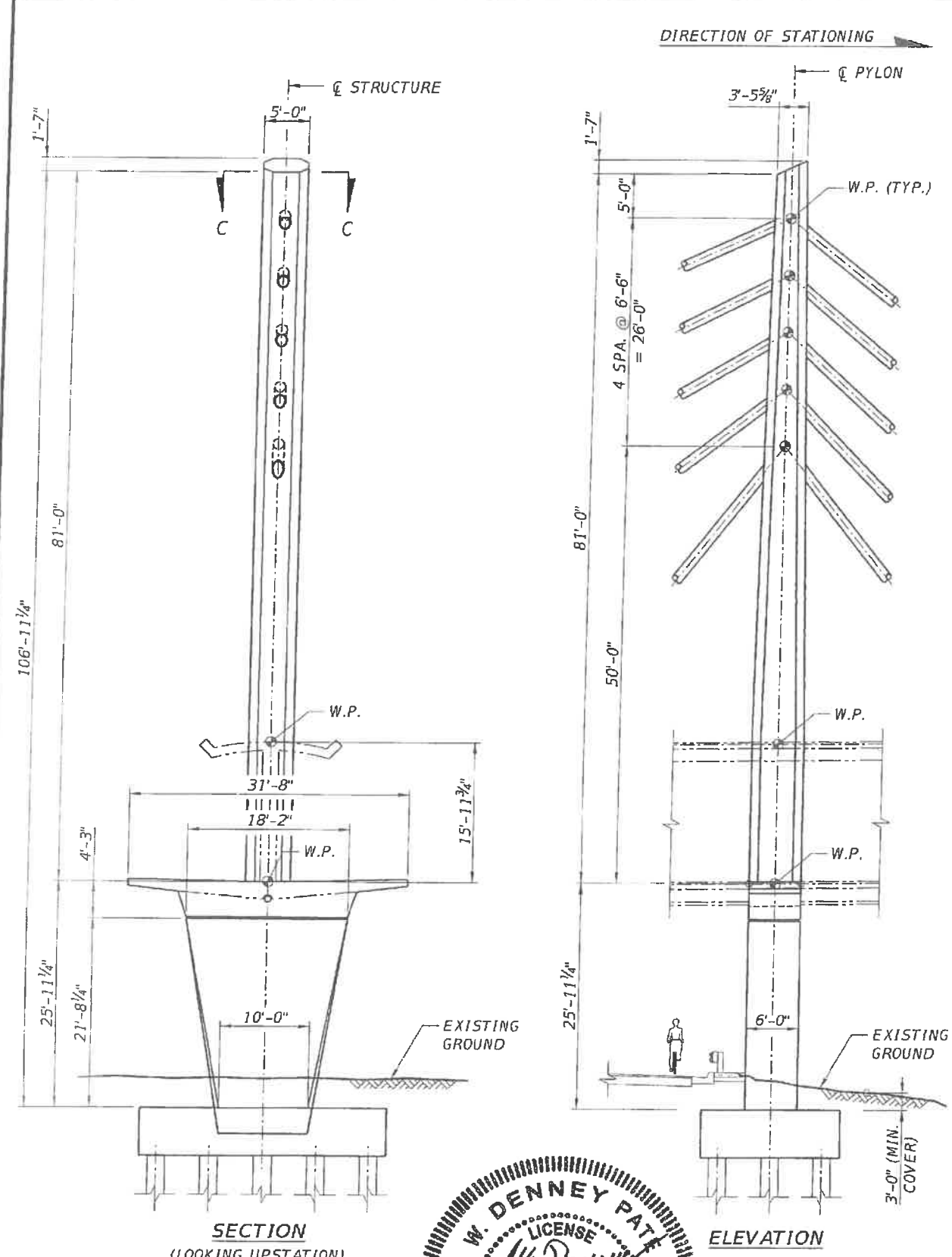
<p>* 1 COVER SHEET</p> <p>* B-1 INDEX OF DRAWINGS</p> <p>B-2 GENERAL NOTES (1 of 2)</p> <p>B-3 GENERAL NOTES (2 of 2)</p> <p>B-4 GENERAL PLAN AND ELEVATION</p> <p>B-5 TYPICAL CROSS-SECTIONS</p> <p>B-6 BRIDGE HYDRAULICS RECOMMENDATION</p> <p>B-7 REPORT OF CORE BORINGS</p> <p>B-8 FOUNDATION LAYOUT</p> <p>B-9 PILE INSTALLATION TABLE</p> <p>B-10 PYLON FOOTING DETAILS</p> <p>B-11 SOUTH LANDING FOOTING DETAILS (1 OF 4) type 1 & 4</p> <p>B-12 SOUTH LANDING FOOTING DETAILS (2 OF 4) type 2 & 5</p> <p>B-13 SOUTH LANDING FOOTING DETAILS (3 OF 4) type 3</p> <p>B-14 SOUTH LANDING FOOTING DETAILS (4 OF 4) stair</p> <p>B-15 NORTH LANDING FOOTING DETAILS (1 OF 5)</p> <p>B-16 NORTH LANDING FOOTING DETAILS (2 OF 5)</p> <p>B-17 NORTH LANDING FOOTING DETAILS (3 OF 5)</p> <p>B-18 NORTH LANDING FOOTING DETAILS (4 OF 5)</p> <p>B-19 NORTH LANDING FOOTING DETAILS (5 OF 5)</p> <p>B-20 SOUTH ELEVATOR TOWER FOUNDATION DETAILS</p> <p>B-21 NORTH ELEVATOR TOWER FOUNDATION DETAILS</p> <p>* B-22 PYLON LAYOUT</p> <p>* B-23 PYLON BASE DIMENSIONS AND REINFORCEMENT</p> <p>* B-24 PYLON DIAPHRAGM DIMENSIONS AND REINFORCEMENT (1 of 2)</p> <p>* B-25 PYLON DIAPHRAGM DIMENSIONS AND REINFORCEMENT (2 of 2)</p> <p>* B-26 UPPER PYLON DIMENSIONS AND REINFORCEMENT</p> <p>B-27 SUBSTRUCTURE REINFORCEMENT BAR LIST (1 of 10)</p> <p>B-28 SUBSTRUCTURE REINFORCEMENT BAR LIST (2 of 10)</p> <p>* B-29 SUBSTRUCTURE REINFORCEMENT BAR LIST (3 of 10)</p> <p>* B-30 SUBSTRUCTURE REINFORCEMENT BAR LIST (4 of 10)</p> <p>* B-31 SUBSTRUCTURE REINFORCEMENT BAR LIST (5 of 10)</p> <p>* B-32 SUBSTRUCTURE REINFORCEMENT BAR LIST (6 of 10)</p> <p>* B-33 SUBSTRUCTURE REINFORCEMENT BAR LIST (7 of 10)</p> <p>* B-34 SUBSTRUCTURE REINFORCEMENT BAR LIST (8 of 10)</p> <p>* B-35 SUBSTRUCTURE REINFORCEMENT BAR LIST (9 of 10)</p> <p>* B-36 SUBSTRUCTURE REINFORCEMENT BAR LIST (10 of 10)</p> <p>B-37 MAINSPAN TRUSS SYSTEM LAYOUT</p> <p>B-38 MAINSPAN TRUSS SYSTEM P.T. BAR DETAILS</p> <p>B-39 MAINSPAN TRUSS SYSTEM REINFORCEMENT (1 of 2)</p> <p>B-40 MAINSPAN TRUSS SYSTEM REINFORCEMENT (2 of 2)</p> <p>B-41 BACKSPAN TRUSS SYSTEM LAYOUT</p> <p>B-42 BACKSPAN TRUSS SYSTEM P.T. BAR DETAILS</p> <p>B-43 BACKSPAN TRUSS SYSTEM REINFORCEMENT</p> <p>B-44 DECK END DIAPHRAGM DIMENSIONS & PT - TYPE I</p> <p>B-45 DECK END DIAPHRAGM REINFORCEMENT - TYPE I</p> <p>B-46 DECK END DIAPHRAGM DIMENSIONS & PT - TYPE II</p> <p>B-47 DECK END DIAPHRAGM REINFORCEMENT - TYPE II</p> <p>B-48 DECK END DIAPHRAGM DIMENSIONS & PT- TYPE III</p> <p>B-49 DECK END DIAPHRAGM REINFORCEMENT - TYPE III</p> <p>B-50 DECK END DIAPHRAGM DIMENSIONS & PT- TYPE IV</p> <p>B-51 DECK END DIAPHRAGM REINFORCEMENT - TYPE IV</p> <p>B-52 CANOPY END DIAPHRAGM DIMENSIONS & PT - TYPE I</p> <p>B-53 CANOPY END DIAPHRAGM REINFORCEMENT - TYPE I</p> <p>B-54 CANOPY END DIAPHRAGM DIMENSIONS & PT - TYPE II</p> <p>B-55 CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II</p>	<p>B-56 CANOPY END DIAPHRAGM DIMENSIONS & PT - TYPE III</p> <p>B-57 CANOPY END DIAPHRAGM REINFORCEMENT - TYPE III</p> <p>B-58 CANOPY END DIAPHRAGM DIMENSIONS & PT - TYPE IV</p> <p>B-59 CANOPY END DIAPHRAGM REINFORCEMENT - TYPE IV</p> <p>B-60 DECK REINFORCEMENT & POST-TENSIONING MAIN SPAN (1 OF 2)</p> <p>B-61 DECK REINFORCEMENT & POST-TENSIONING MAIN SPAN (2 OF 2)</p> <p>B-62 DECK REINFORCEMENT & POST-TENSIONING BACK SPAN (1 OF 2)</p> <p>B-63 DECK REINFORCEMENT & POST-TENSIONING BACK SPAN (2 OF 2)</p> <p>B-64 DECK REINFORCEMENT & POST-TENSIONING NORTH LANDING</p> <p>B-65 CANOPY REINFORCEMENT & POST-TENSIONING - MAIN SPAN</p> <p>B-66 CANOPY REINFORCEMENT & POST-TENSIONING - BACK SPAN</p> <p>B-67 LONGITUDINAL POST-TENSIONING DETAILS (1 of 2)</p> <p>B-68 LONGITUDINAL POST-TENSIONING DETAILS (2 of 2)</p> <p>B-69 POST-TENSIONING SCHEDULE</p> <p>B-70 PIPE SUPPORT DETAILS</p> <p>B-71 SOUTH LANDING CANOPY DIMENSIONS AND REINFORCEMENT</p> <p>* B-72 SOUTH LANDING LAYOUT</p> <p>* B-73 SOUTH LANDING BENT DIMENSIONS AND REINFORCEMENT</p> <p>* B-74 SOUTH LANDING - UPPER LANDING DIMENSIONS AND REINFORCEMENT (1 of 2)</p> <p>* B-75 SOUTH LANDING - UPPER LANDING DIMENSIONS AND REINFORCEMENT (2 of 2)</p> <p>* B-76 SOUTH LANDING - UPPER STAIRS DIMENSIONS AND REINFORCEMENT</p> <p>* B-77 SOUTH LANDING - ELECTRICAL ROOM DIMENSIONS AND REINFORCEMENT (1 of 2)</p> <p>* B-78 SOUTH LANDING - ELECTRICAL ROOM DIMENSIONS AND REINFORCEMENT (2 of 2)</p> <p>* B-79 SOUTH LANDING - LOWER STAIRS DIMENSIONS AND REINFORCEMENT (1 OF 2)</p> <p>* B-80 SOUTH LANDING - LOWER STAIRS DIMENSIONS AND REINFORCEMENT (2 OF 2)</p> <p>* B-81 NORTH LANDING LAYOUT</p> <p>* B-82 NORTH LANDING BENT DIMENSIONS AND REINFORCEMENT</p> <p>* B-83 NORTH LANDING - COLUMN AND UPPER LANDING - DIMENSIONS AND REINFORCEMENT</p> <p>* B-84 NORTH LANDING - UPPER LANDING AND UPPER STAIR DIMENSIONS AND REINFORCEMENT</p> <p>* B-85 NORTH LANDING - ELECTRICAL ROOM DIMENSIONS AND REINFORCEMENT (1 OF 2)</p> <p>* B-86 NORTH LANDING - ELECTRICAL ROOM DIMENSIONS AND REINFORCEMENT (2 OF 2)</p> <p>* B-87 NORTH LANDING - LOWER STAIRS DIMENSIONS AND REINFORCEMENT</p> <p>* B-88 LANDINGS MISCELLANEOUS DETAILS</p> <p>B-89 ELEVATOR SOUTH TOWER DETAILS (1 of 2)</p> <p>B-90 ELEVATOR SOUTH TOWER DETAILS (2 of 2)</p> <p>B-91 ELEVATOR SOUTH TOWER REINFORCEMENT (1 of 2)</p> <p>B-92 ELEVATOR SOUTH TOWER REINFORCEMENT (2 of 2)</p> <p>B-93 ELEVATOR NORTH TOWER DETAILS (1 of 2)</p> <p>B-94 ELEVATOR NORTH TOWER DETAILS (2 of 2)</p> <p>B-95 ELEVATOR NORTH TOWER REINFORCEMENT (1 of 2)</p> <p>B-96 ELEVATOR NORTH TOWER REINFORCEMENT (2 of 2)</p> <p>B-97 SUPERSTRUCTURE REINFORCEMENT BAR LIST (1 of 7)</p> <p>B-98 SUPERSTRUCTURE REINFORCEMENT BAR LIST (2 of 7)</p> <p>B-99 SUPERSTRUCTURE REINFORCEMENT BAR LIST (3 of 7)</p> <p>B-100 SUPERSTRUCTURE REINFORCEMENT BAR LIST (4 of 7)</p> <p>B-101 SUPERSTRUCTURE REINFORCEMENT BAR LIST (5 of 7)</p> <p>B-102 SUPERSTRUCTURE REINFORCEMENT BAR LIST (6 of 7)</p> <p>B-103 SUPERSTRUCTURE REINFORCEMENT BAR LIST (7 of 7)</p> <p>B-104 BEARING DETAILS</p> <p>B-105 EXPANSION JOINT DETAILS</p> <p>B-106 DRAINAGE DETAILS</p> <p>B-107 MISSILE GUARD FENCE AND RAILING DETAILS (1 OF 2)</p> <p>B-108 MISSILE GUARD FENCE AND RAILING DETAILS (2 OF 2)</p> <p>B-109 CONSTRUCTION SEQUENCE (1 of 2)</p> <p>B-110 CONSTRUCTION SEQUENCE (2 of 2)</p>
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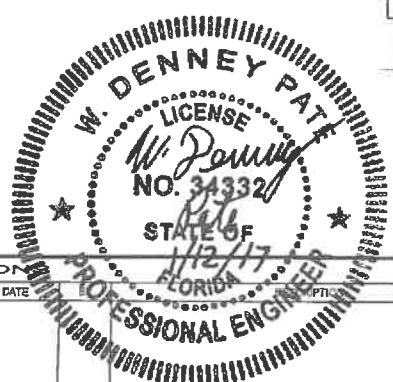
NOTES:

* SHEETS INCLUDED IN THIS SUBMITTAL

REVISIONS						ENGINEER OF RECORD:		DRAWN BY:			SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		 ROAD NO. COUNTY PROJECT ID			INDEX OF DRAWINGS	
						FLORIDA INTERNATIONAL UNIVERSITY MIAMI - DADE 434688-1-58-01		PROJECT NAME: UNIVERSITY CITY PROSPERITY PROJECT		SHEET NO. B-1		



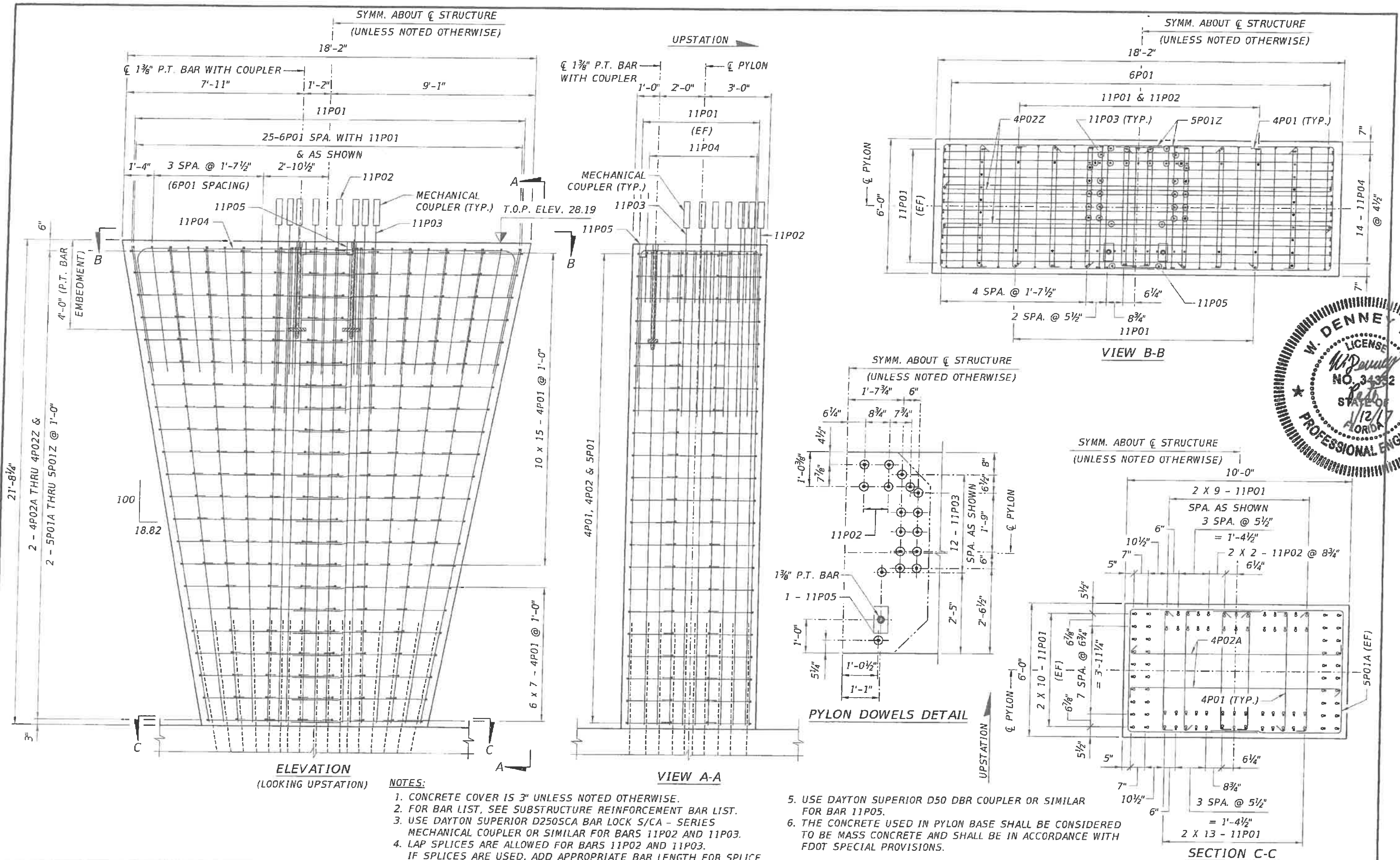
- NOTES:**
1. FOR LOWER PYLON DIMENSIONS & REINFORCEMENT, SEE PYLON BASE DIMENSIONS AND REINFORCEMENT DRAWING.
 2. FOR UPPER PYLON DIMENSIONS & REINFORCEMENT, SEE UPPER PYLON DIMENSIONS AND REINFORCEMENT DRAWING.
 3. FOR PYLON DIAPHRAGM DIMENSIONS & REINFORCEMENT, SEE PYLON DIAPHRAGM DIMENSIONS AND REINFORCEMENT DRAWING.



REVISION		DATE		DESCRIPTION		DATE		DESCRIPTION	

ENGINEER OF RECORD:		DRAWN BY:		ROAD NO.		COUNTY		PROJECT ID		PROJECT NAME:	
 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		DCB MF EDL MF		 FLORIDA INTERNATIONAL UNIVERSITY		MIAMI - DADE		434688-1-58-01		UNIVERSITYCITY PROSPERITY PROJECT	
Plotted By: Icaavanaugh										1/11/2017 7:05:27 PM G:\43468815801\struct\B1PylonLayout.dgn	

SHEET TITLE: PYLON LAYOUT										SHEET NO. B-22	
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ELEVATION
(LOOKING UPSTATION)

VIEW A-A

VIEW B-B

PYLON DOWELS DETAIL

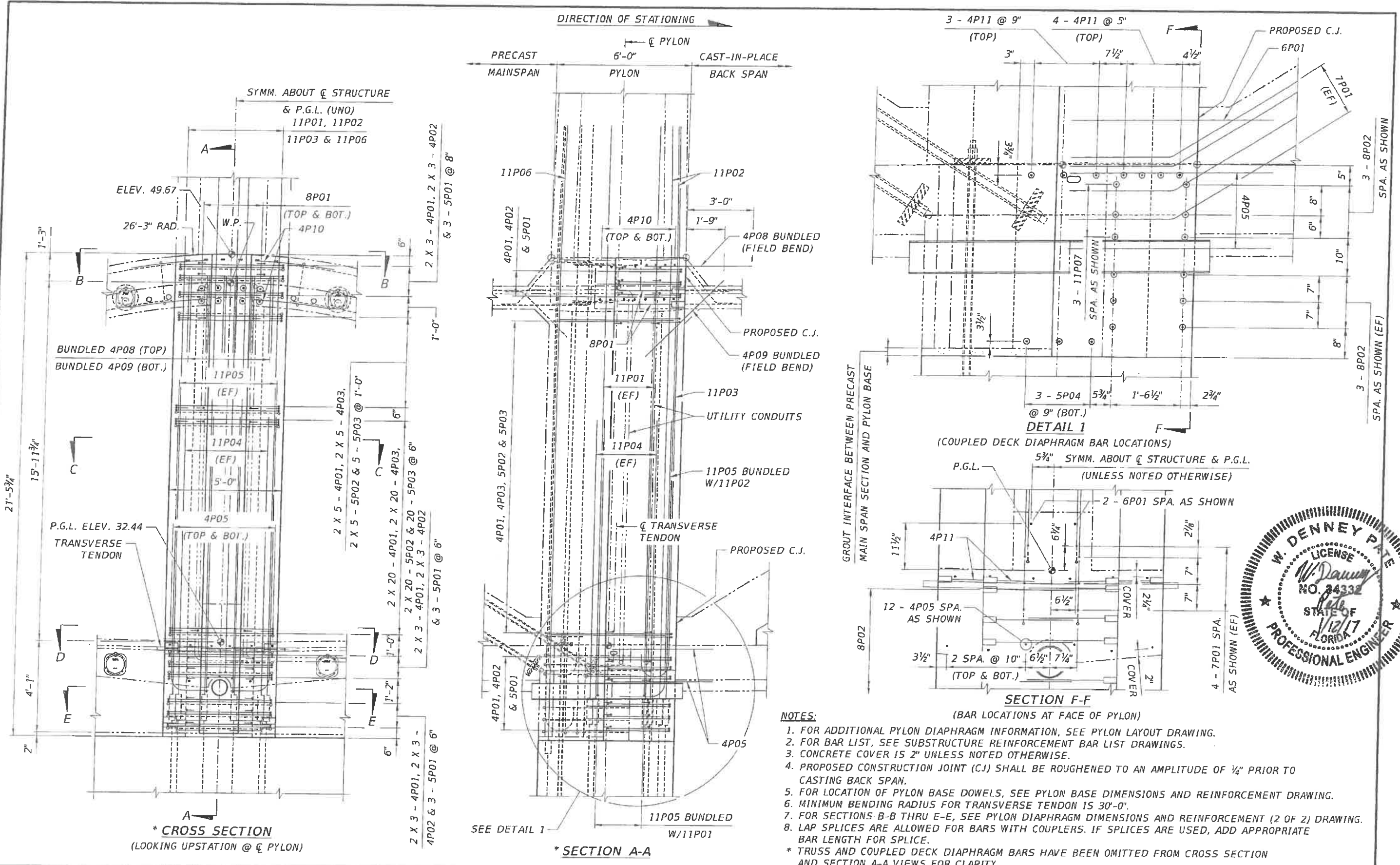
SECTION C-C

- NOTES:**
1. CONCRETE COVER IS 3" UNLESS NOTED OTHERWISE.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST.
 3. USE DAYTON SUPERIOR D250SCA BAR LOCK S/CA - SERIES MECHANICAL COUPLER OR SIMILAR FOR BARS 11P02 AND 11P03.
 4. LAP SPLICES ARE ALLOWED FOR BARS 11P02 AND 11P03. IF SPLICES ARE USED, ADD APPROPRIATE BAR LENGTH FOR SPLICE.
 5. USE DAYTON SUPERIOR D50 DBR COUPLER OR SIMILAR FOR BAR 11P05.
 6. THE CONCRETE USED IN PYLON BASE SHALL BE CONSIDERED TO BE MASS CONCRETE AND SHALL BE IN ACCORDANCE WITH FDOT SPECIAL PROVISIONS.



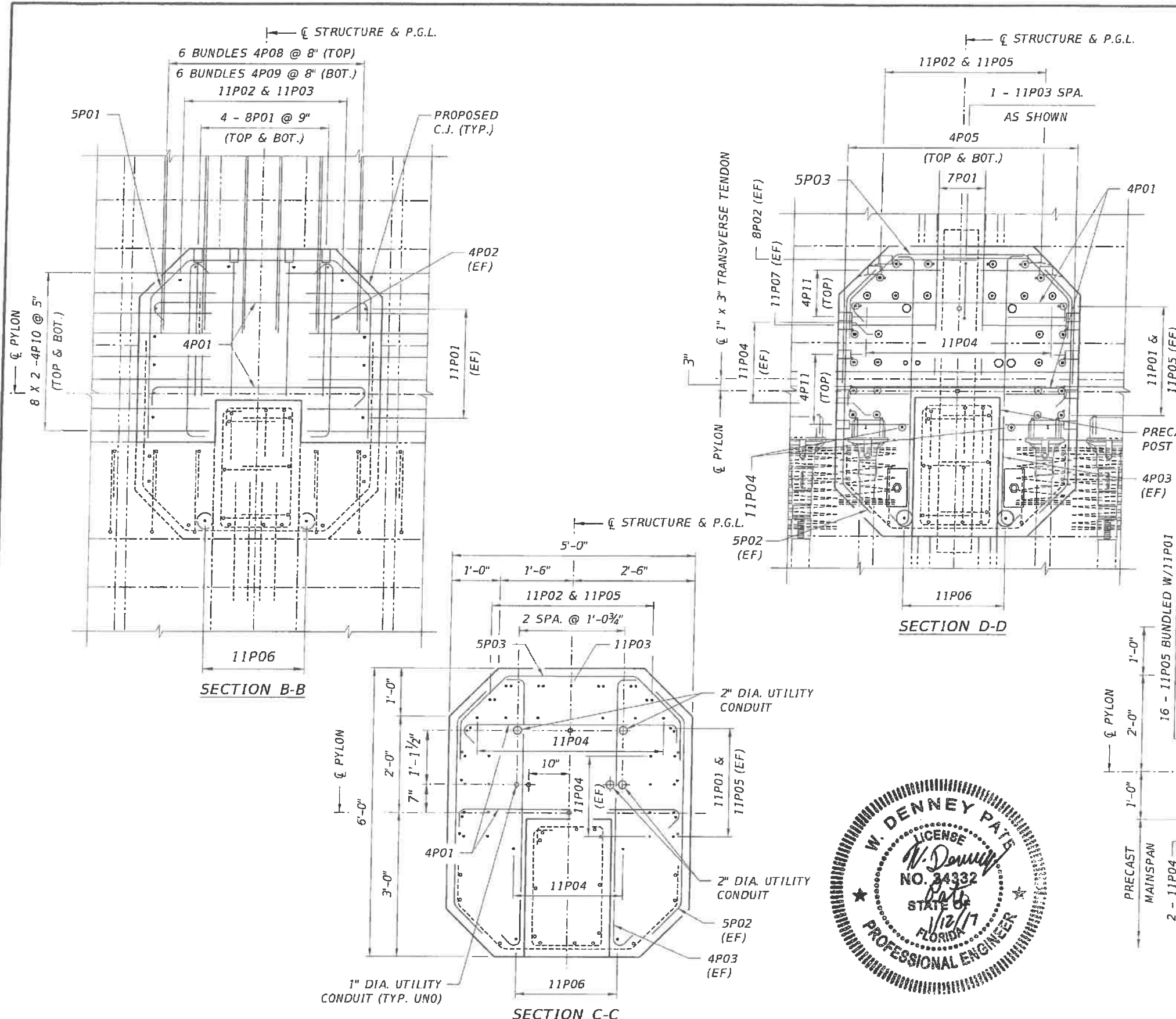
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	PROJECT ID	PROJECT NAME

FLORIDA INTERNATIONAL UNIVERSITY		W. DENNEY PATE LICENSE NO. 34332 STATE OF FLORIDA PROFESSIONAL ENGINEER	
424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332	DRAWN BY: LTC CHECKED BY: MF DESIGNED BY: EDL CHECKED BY: MF	MIAMI - DADE PROJECT ID: 434688-1-58-01	PYLON BASE DIMENSIONS AND REINFORCEMENT UNIVERSITYCITY PROSPERITY PROJECT



REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	PYLON DIAPHRAGM DIMENSIONS AND REINFORCEMENT (1 OF 2)	
						EDL	EDL		
						EDL	EDL		
						MF	MF		

ENGINEER OF RECORD: 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332			FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI-DADE 434588-1-58-01		UNIVERSITY CITY PROSPERITY PROJECT SHEET NO. B-24	
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- NOTES:**
1. FOR ADDITIONAL PYLON DIAPHRAGM INFORMATION, SEE PYLON LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 4. PROPOSED CONSTRUCTION JOINT (CJ) SHALL BE ROUGHENED TO AN AMPLITUDE OF 1/4" PRIOR TO CASTING BACK SPAN.
 5. FOR LOCATION OF PYLON BASE DOWELS, SEE PYLON BASE DIMENSIONS AND REINFORCEMENT DRAWING.
 6. MINIMUM BENDING RADIUS FOR TRANSVERSE TENDON IS 30'-0".
 7. FOR LOCATION OF SECTIONS B-B THRU E-E, SEE PYLON DIAPHRAGM DIMENSIONS AND REINFORCEMENT (1 OF 2) DRAWING.
 8. THE ANNULUS BETWEEN THE 11P06 BARS AND THE 4" I.D. REINFORCEMENT SLEEVE IS TO BE GROUTED PRIOR TO CONCRETE PLACEMENT.
 9. SURFACES OF THE PRECAST VERTICAL POST SHALL BE ROUGHENED TO AN AMPLITUDE OF 1/4" PRIOR TO CASTING PYLON DIAPHRAGM.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

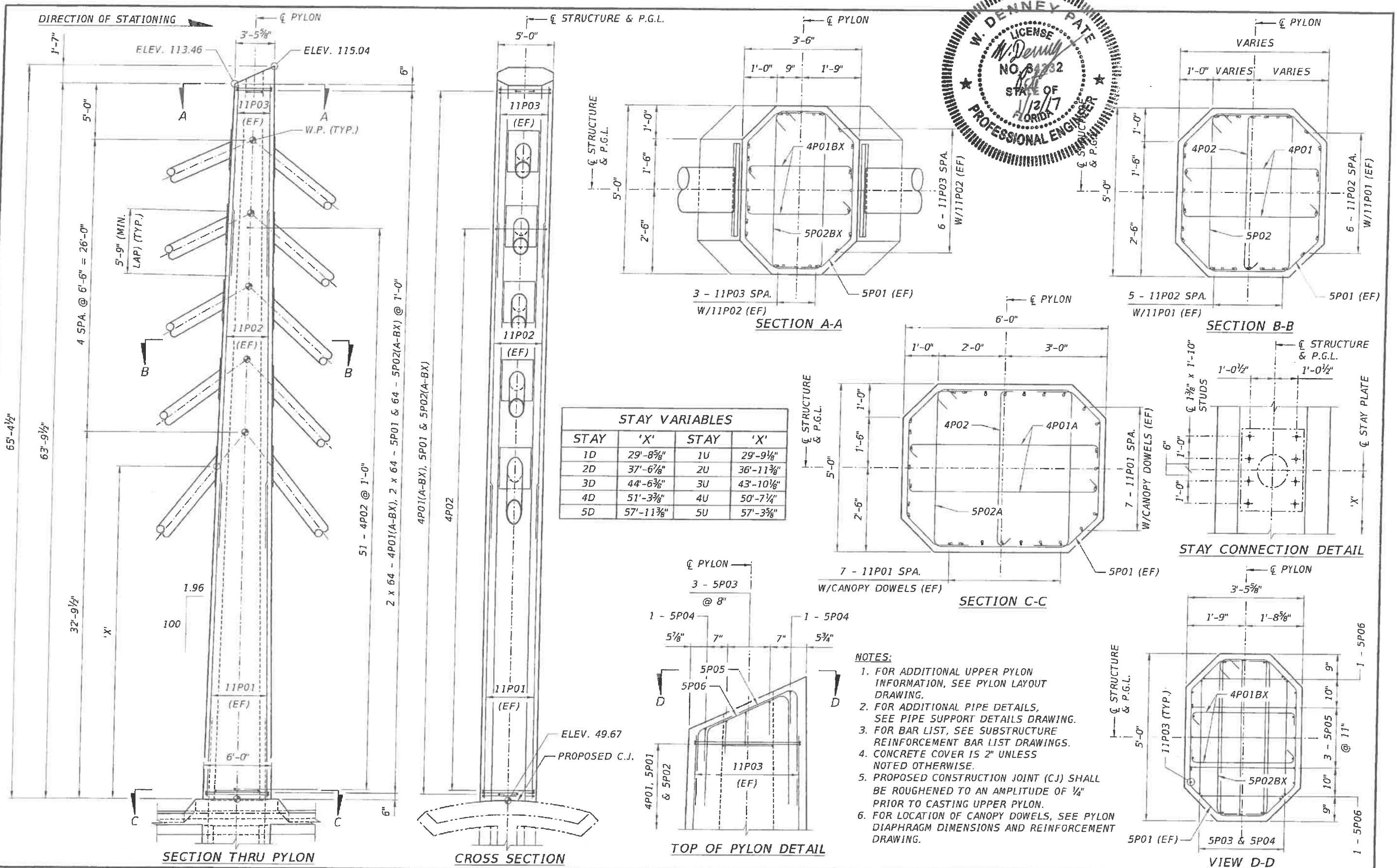
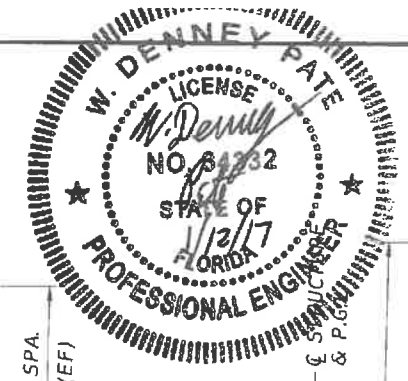
ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: EDL
 DESIGNED BY: EDL
 CHECKED BY: MF

FTU FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

SHEET TITLE: PYLON DIAPHRAGM DIMENSIONS AND REINFORCEMENT (2 OF 2)
 PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT
 SHEET NO. B-25



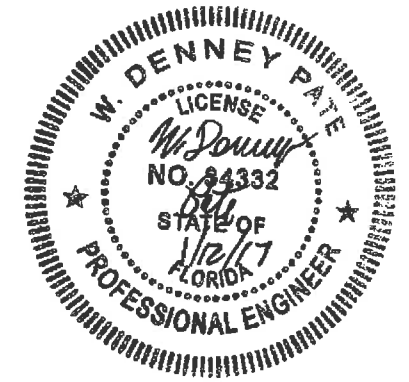
- NOTES:**
1. FOR ADDITIONAL UPPER PYLON INFORMATION, SEE PYLON LAYOUT DRAWING.
 2. FOR ADDITIONAL PIPE DETAILS, SEE PIPE SUPPORT DETAILS DRAWING.
 3. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 4. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 5. PROPOSED CONSTRUCTION JOINT (CJ) SHALL BE ROUGHENED TO AN AMPLITUDE OF 1/4" PRIOR TO CASTING UPPER PYLON.
 6. FOR LOCATION OF CANOPY DOWELS, SEE PYLON DIAPHRAGM DIMENSIONS AND REINFORCEMENT DRAWING.

REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	UPPER PYLON DIMENSIONS AND REINFORCEMENT	

ENGINEER OF RECORD: FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		DRAWN BY: DCB CHECKED BY: EDL DESIGNED BY: EDL CHECKED BY: MF		FTU FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI-DADE 434688-1-58-01		SHEET TITLE: UPPER PYLON DIMENSIONS AND REINFORCEMENT PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT		SHEET NO. B-26	
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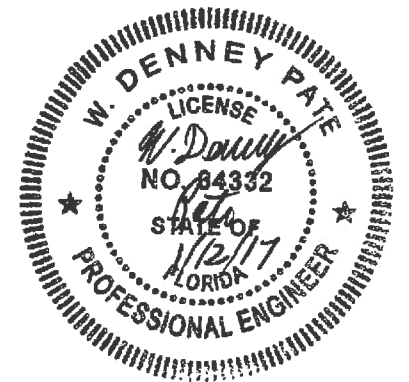
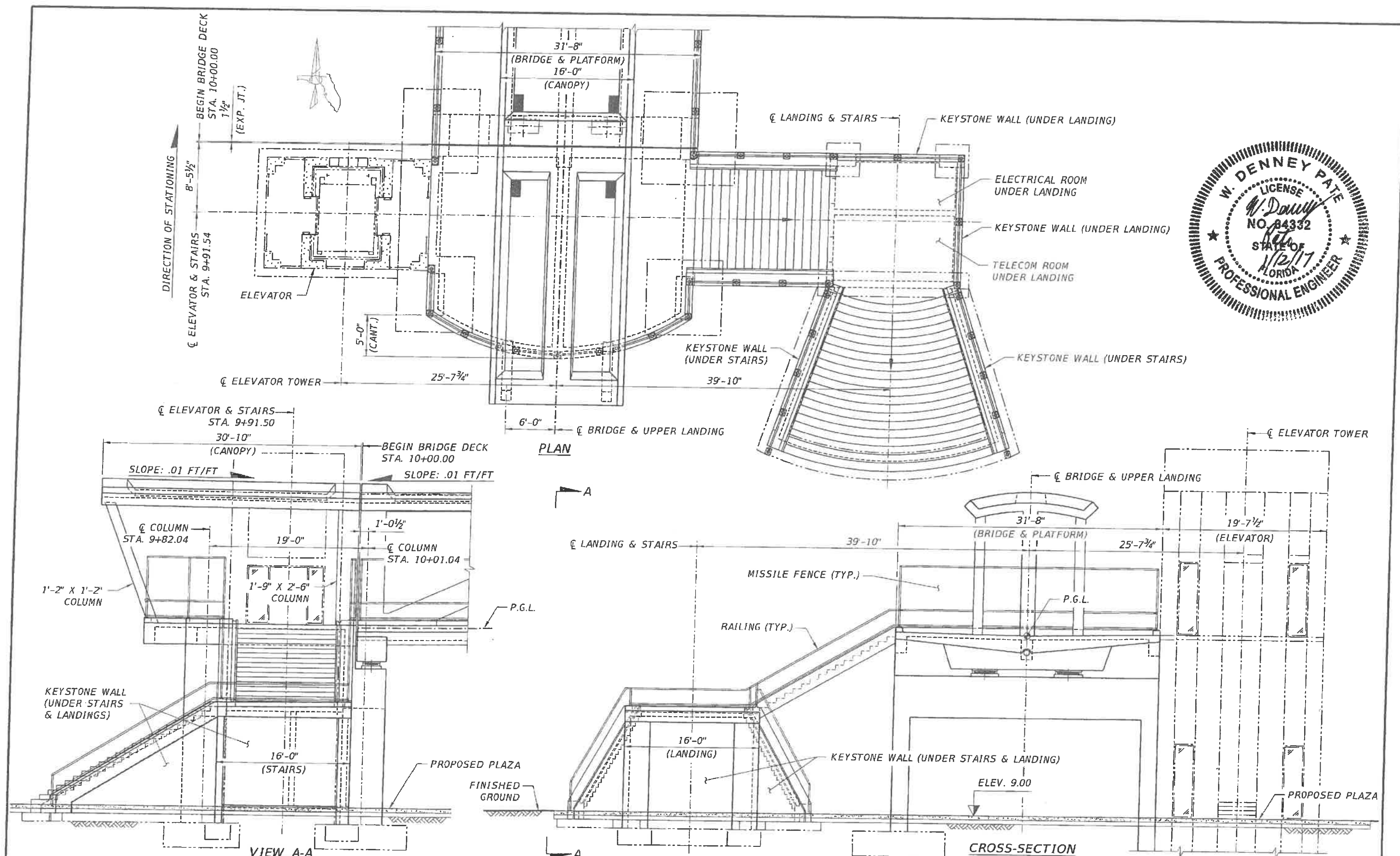
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SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG
5	L02	3-6		28	11			0-7	1-5 1/2	1-5 1/2																	
5	L03	3-7		8	12			2-11 1/4	0-7 3/4																		
6	L01	4-10		6	35			1-3 1/2	0-10 1/2	2-3	1-3 3/4															60	
LOCATION NORTH LANDING ELECTRICAL ROOM - SLAB NO. REQUIRED = 1																											
4	R01	10-10		11	1			10-10																			
4	R02	9-2		11	1			9-2																			
5	R01	10-10		2	1			10-10																			
5	R02	9-2		4	1			9-2																			
5	R03	3-11		17	10			3-1	0-10																		
LOCATION NORTH LANDING - LOWER STAIRS REINF. NO. REQUIRED = 1																											
3	T01	2-5		168	10			1-5	1-0																		
3	T02	6-9		24	1			6-9																			
3	T03	27-4		4	1			27-4																			
4	T01	10-11		56	1			10-11																			
4	T02	6-3		54	4	5	5	1-6	1-3																		
4	T03	6-11		54	4	5	5	1-10	1-2 3/4																		
4	T04	4-9		8	10			1-5	3-4																		
4	T05	5-4		10	10			3-10 3/4	1-5																		
5	T01	27-4		44	1			27-4																			
6	T01	29-5		6	12			27-4 1/2	2-0																		
7	T01	27-4		6	1			27-4																			60

END OF LIST



NOTES:
1. FOR SPECIAL BAR BENDS, SEE SPECIAL BAR BENDING DETAILS DRAWING.

REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	CFR	FTU	SUBSTRUCTURE REINFORCEMENT BAR LIST (10 OF 10)	
						JDS/ENH	FLORIDA INTERNATIONAL UNIVERSITY		
						JDS/ENH	FLORIDA INTERNATIONAL UNIVERSITY	ROAD NO.	COUNTY
						JDS/ENH	FLORIDA INTERNATIONAL UNIVERSITY	MIAMI-DADE	PROJECT ID
						MF	FLORIDA INTERNATIONAL UNIVERSITY	434688-1-58-01	PROJECT NAME:
									UNIVERSITYCITY PROSPERITY PROJECT
									SHEET NO.
									B-36



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
FIGG
 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: MF

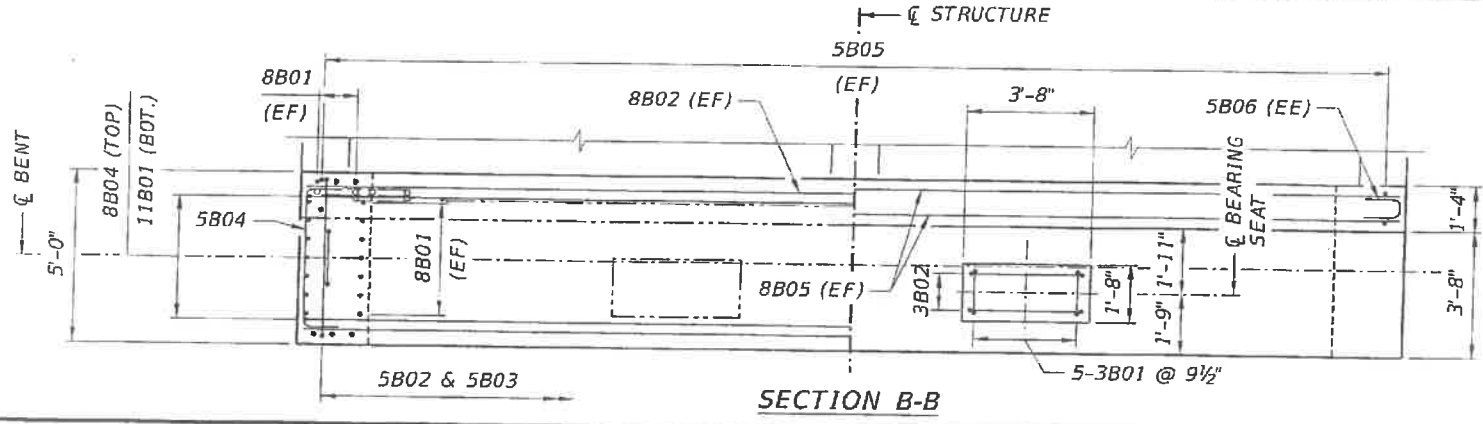
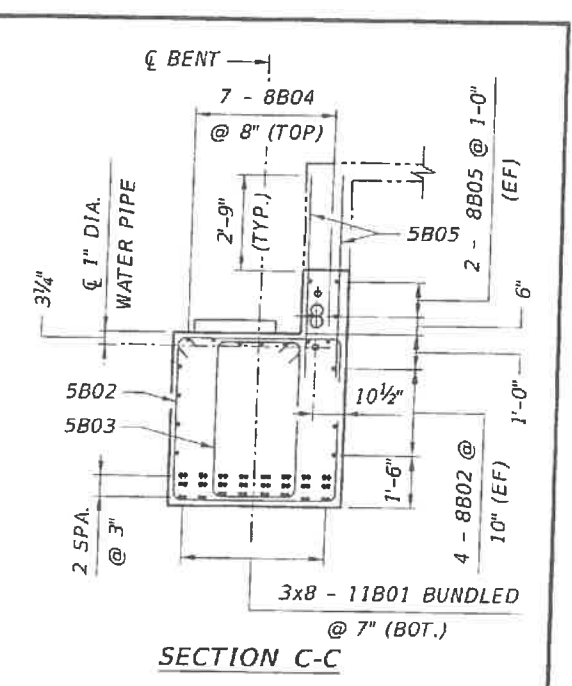
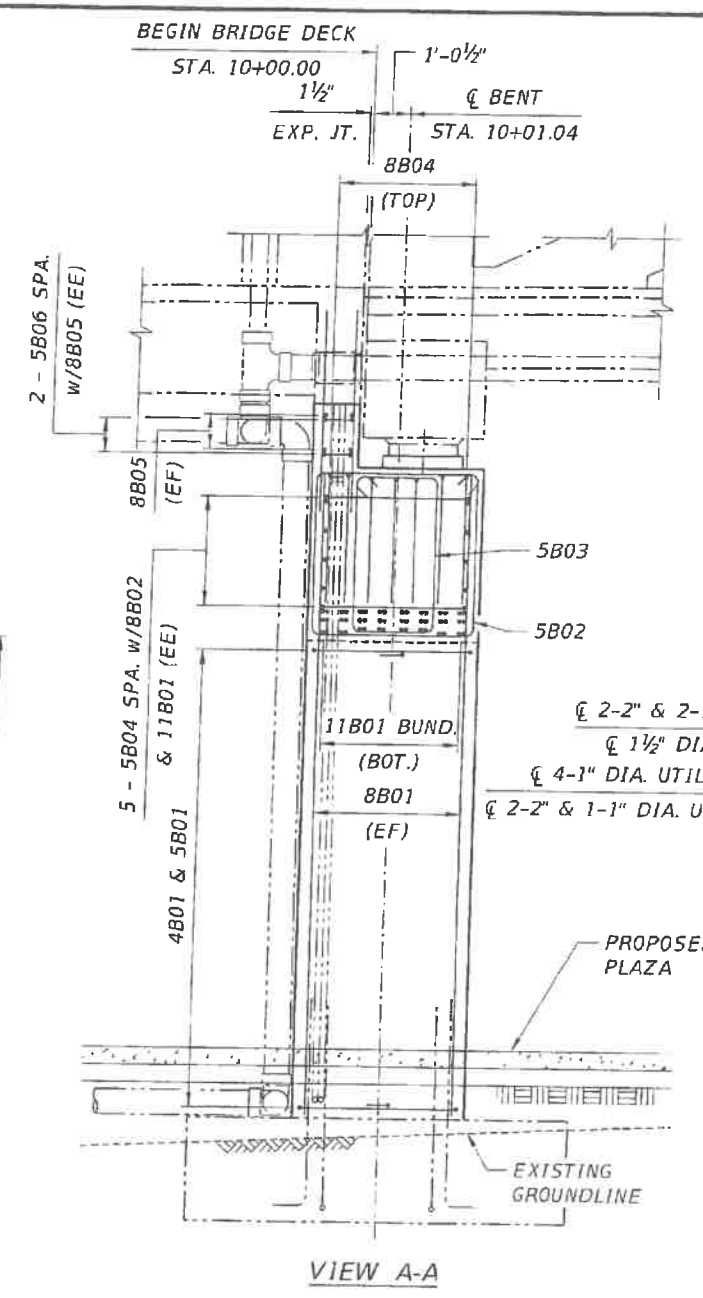
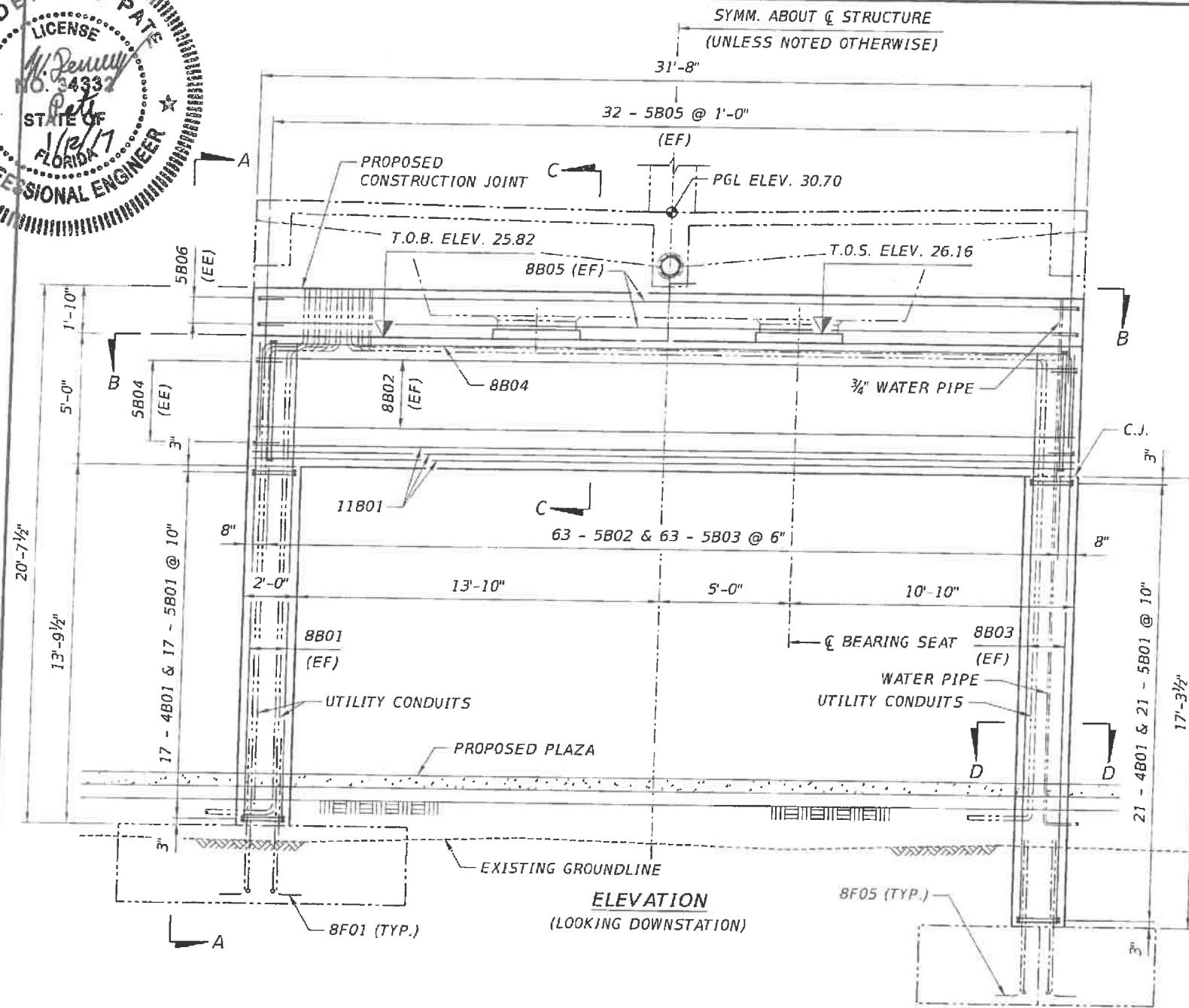
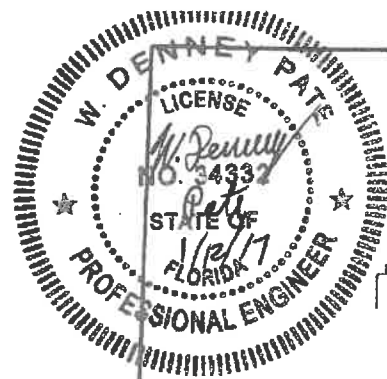
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

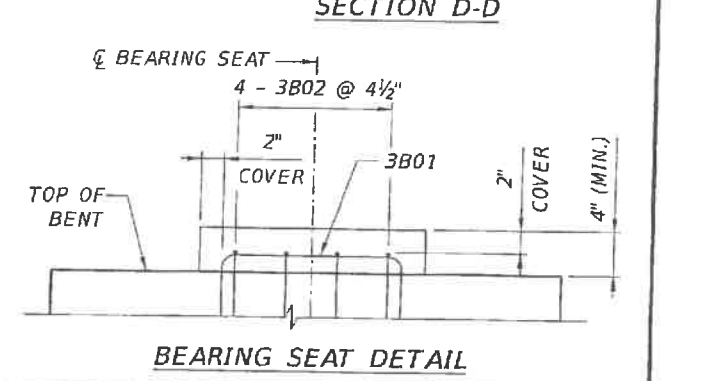
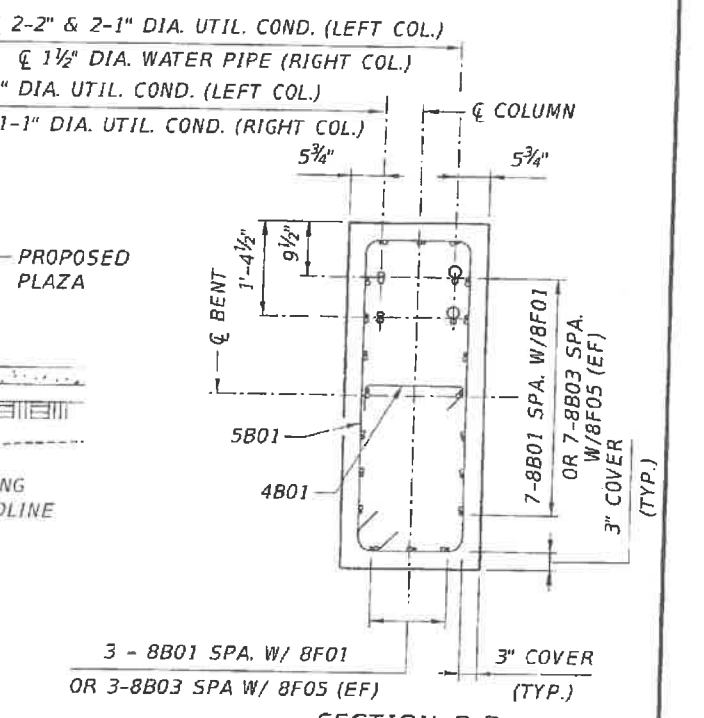
SHEET TITLE:
SOUTH LANDING LAYOUT

PROJECT NAME:
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO.
B-72



- NOTES:**
1. FOR ADDITIONAL BENT INFORMATION, SEE SOUTH LANDING LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 2" UNLESS OTHERWISE NOTED.
 4. EE DENOTES EACH END.
 5. T.O.B. DENOTES TOP OF BENT.
 6. T.O.S. DENOTES TOP OF SEAT.
 7. CONCRETE BEARING SEATS SHALL BE POURED AFTER THE BENT HAS BEEN CAST.
 8. BEARING SEAT CONCRETE SHALL BE 5500 PSI.
 9. FOR BEARING DETAILS, SEE BEARING DETAILS DRAWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
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DRAWN BY: DCB
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 CHECKED BY: MF

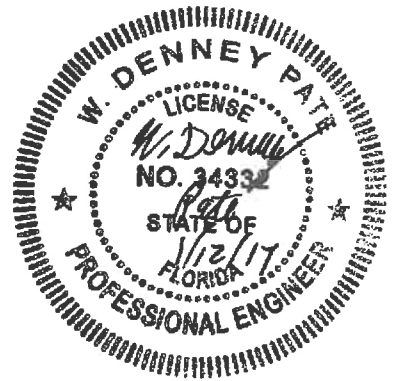
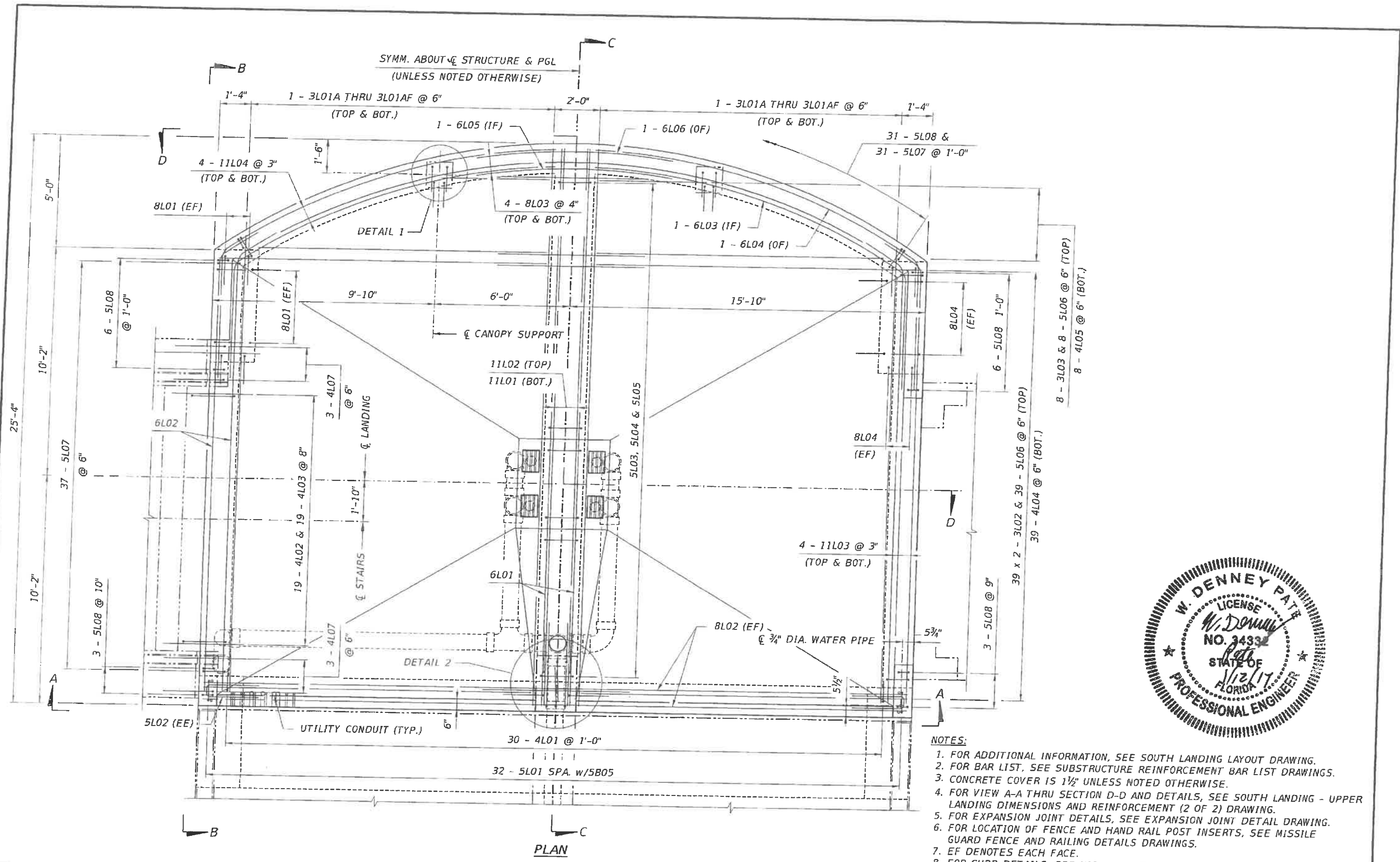
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. MIAMI - DADE COUNTY PROJECT ID 434688-1-58-01

SHEET TITLE: SOUTH LANDING BENT DIMENSIONS AND REINFORCEMENT

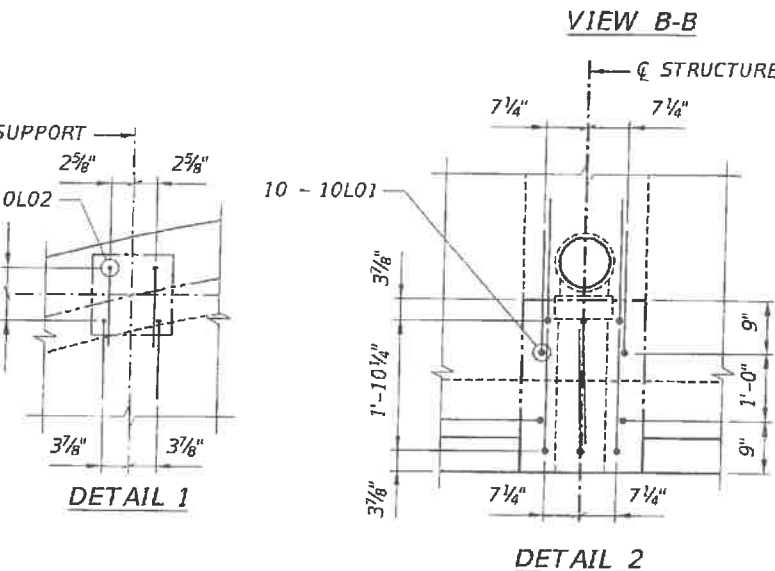
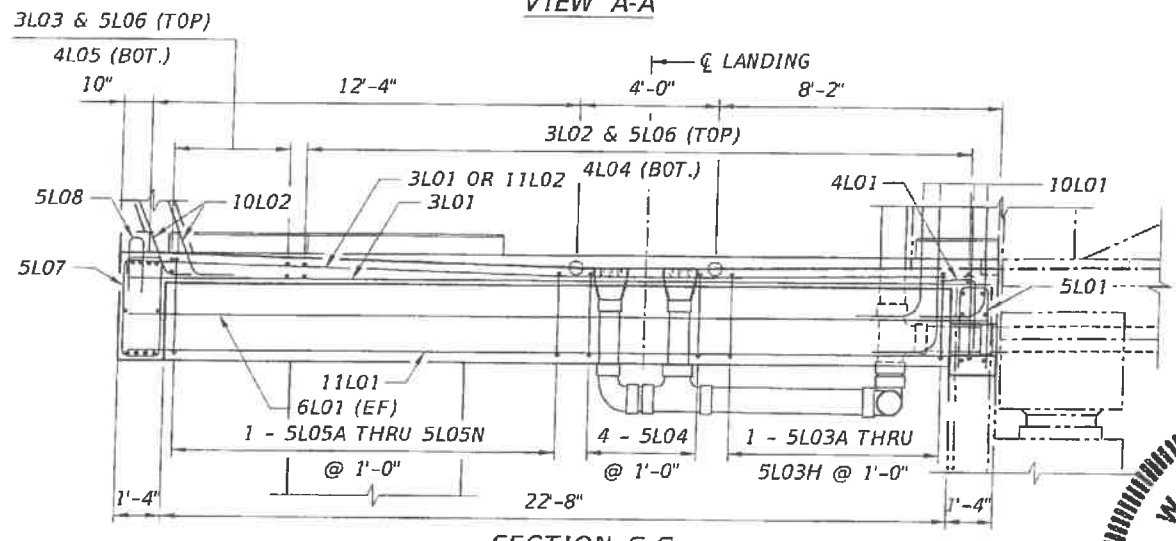
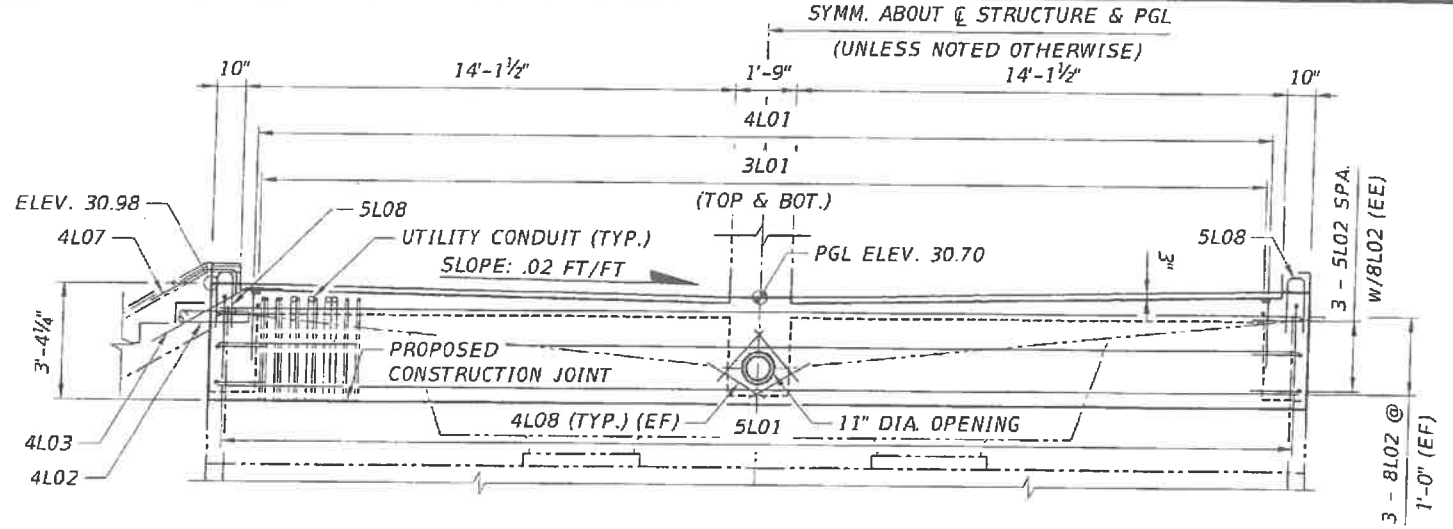
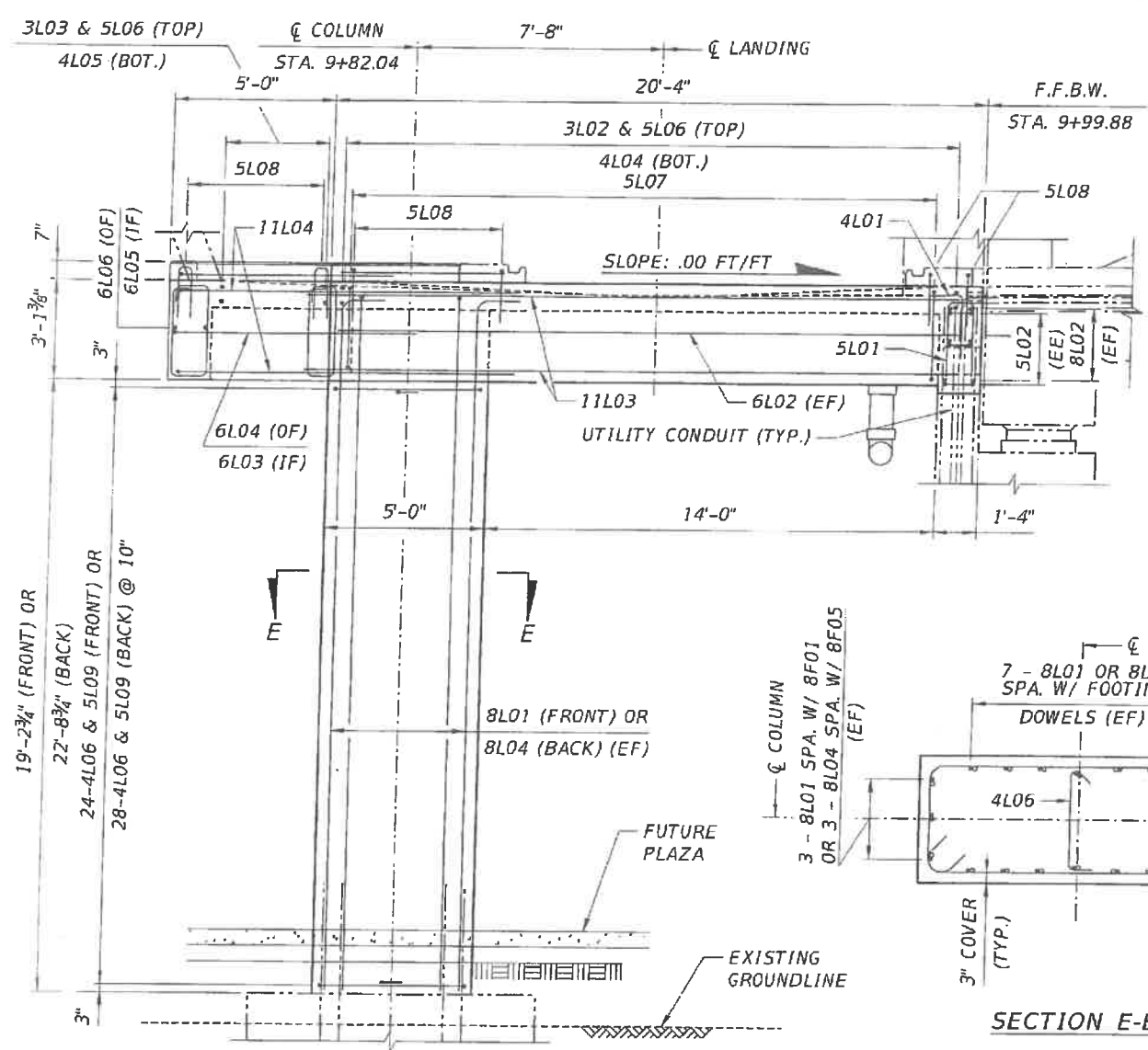
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-73

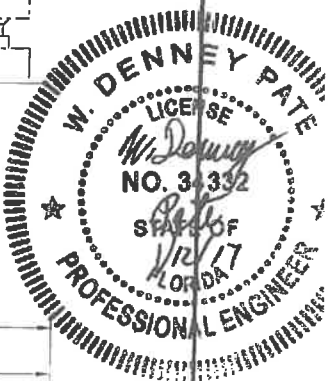
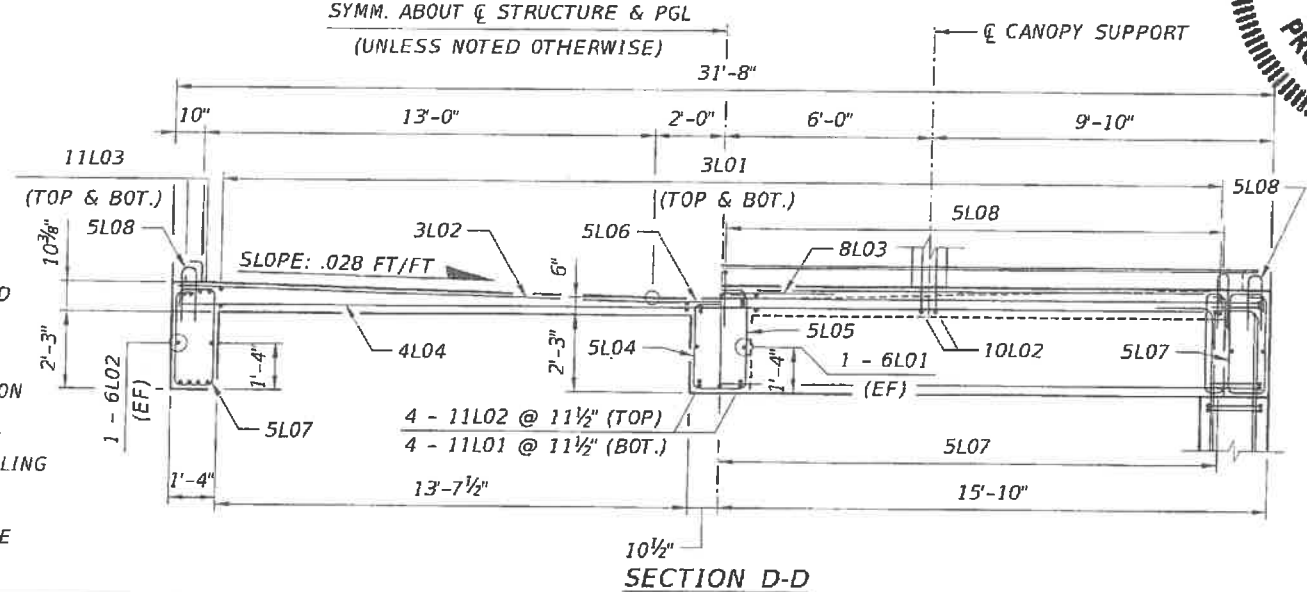


- NOTES:**
1. FOR ADDITIONAL INFORMATION, SEE SOUTH LANDING LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS NOTED OTHERWISE.
 4. FOR VIEW A-A THRU SECTION D-D AND DETAILS, SEE SOUTH LANDING - UPPER LANDING DIMENSIONS AND REINFORCEMENT (2 OF 2) DRAWING.
 5. FOR EXPANSION JOINT DETAILS, SEE EXPANSION JOINT DETAIL DRAWING.
 6. FOR LOCATION OF FENCE AND HAND RAIL POST INSERTS, SEE MISSILE GUARD FENCE AND RAILING DETAILS DRAWINGS.
 7. EF DENOTES EACH FACE.
 8. FOR CURB DETAILS, SEE MISSILE GUARD FENCE AND RAILING DETAILS DRAWING.

REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	SOUTH LANDING - UPPER LANDING DIMENSIONS AND REINFORCEMENT (1 OF 2)	
ENGINEER OF RECORD: FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818 W. DENNEY PATE, P.E. - P.E. NO. 34332						DRAWN BY: DCB CHECKED BY: ENH DESIGNED BY: ENH CHECKED BY: MF		ROAD NO. COUNTY PROJECT ID MIAMI - DADE 434688-1-58-01	
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT								SHEET NO. B-74	



- NOTES:**
1. FOR ADDITIONAL INFORMATION, SEE SOUTH LANDING LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS NOTED OTHERWISE.
 4. FOR LOCATION OF VIEW A-A THRU SECTION D-D AND DETAILS, SEE SOUTH LANDING - UPPER LANDING DIMENSIONS AND REINFORCEMENT (1 OF 2) DRAWING.
 5. FOR EXPANSION JOINT DETAILS, SEE EXPANSION JOINT DETAIL DRAWING.
 6. FOR LOCATION OF FENCE AND HAND RAIL POST INSERTS, SEE MISSILE GUARD FENCE AND RAILING DETAILS DRAWINGS.
 7. EF DENOTES EACH FACE.
 8. FOR CURB DETAILS, SEE MISSILE GUARD FENCE AND RAILING DETAILS DRAWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

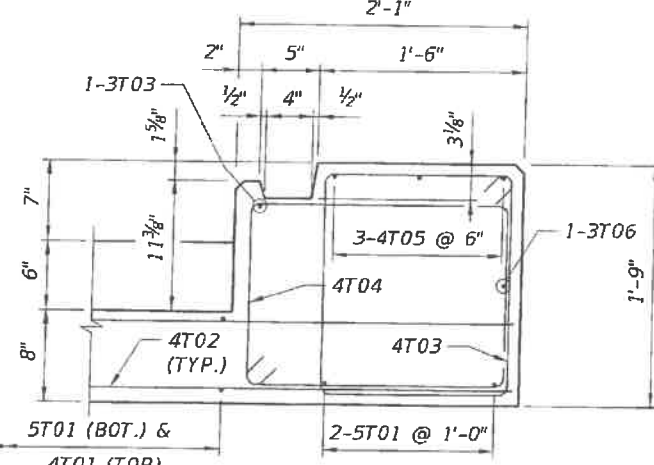
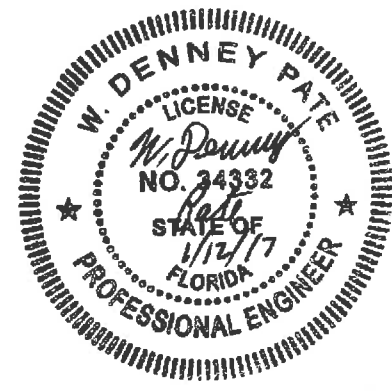
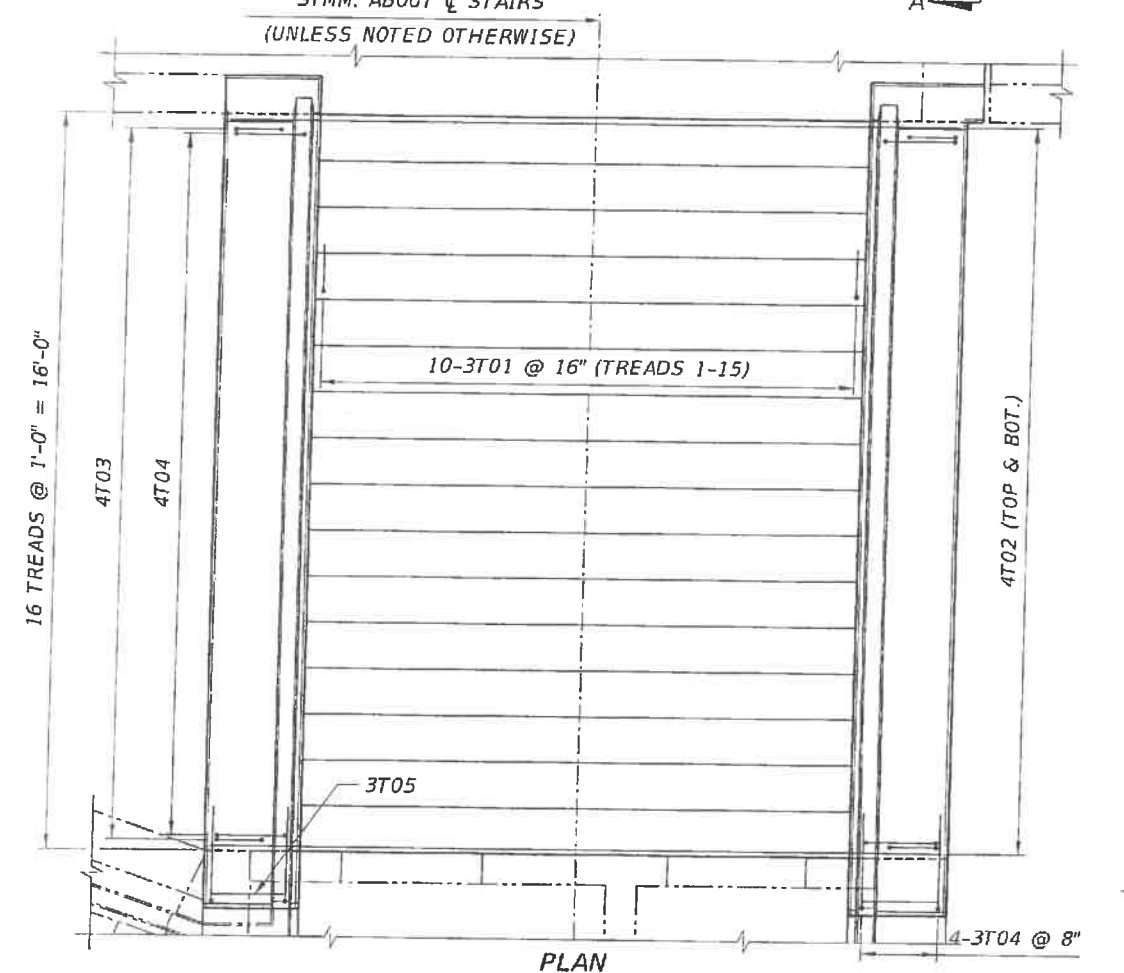
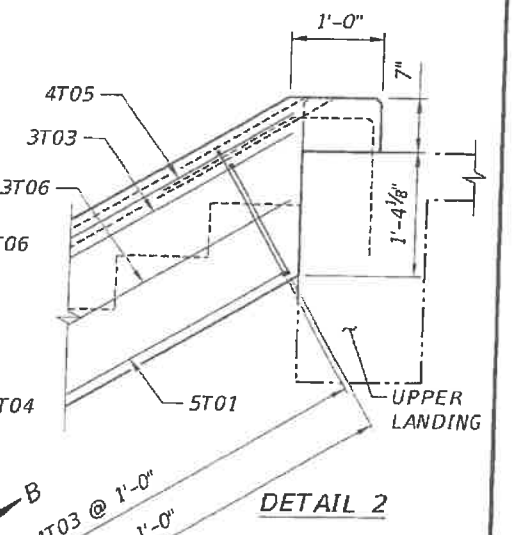
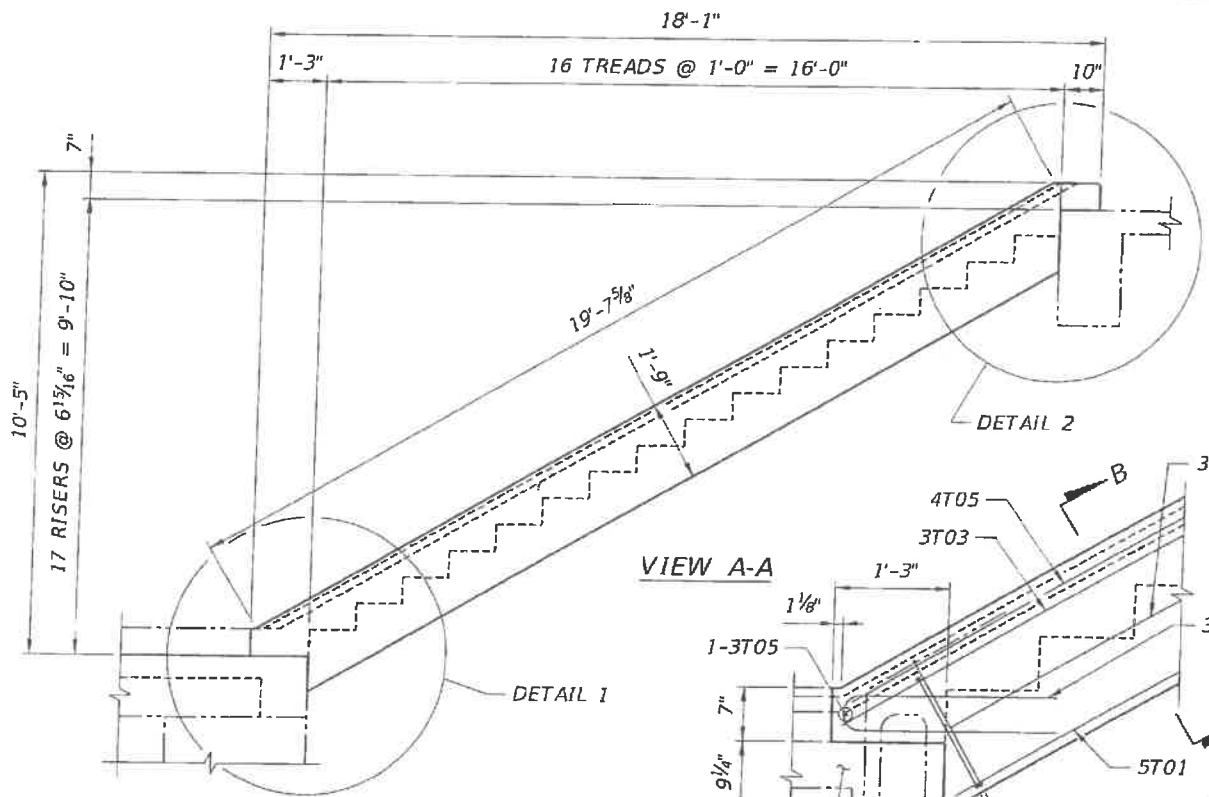
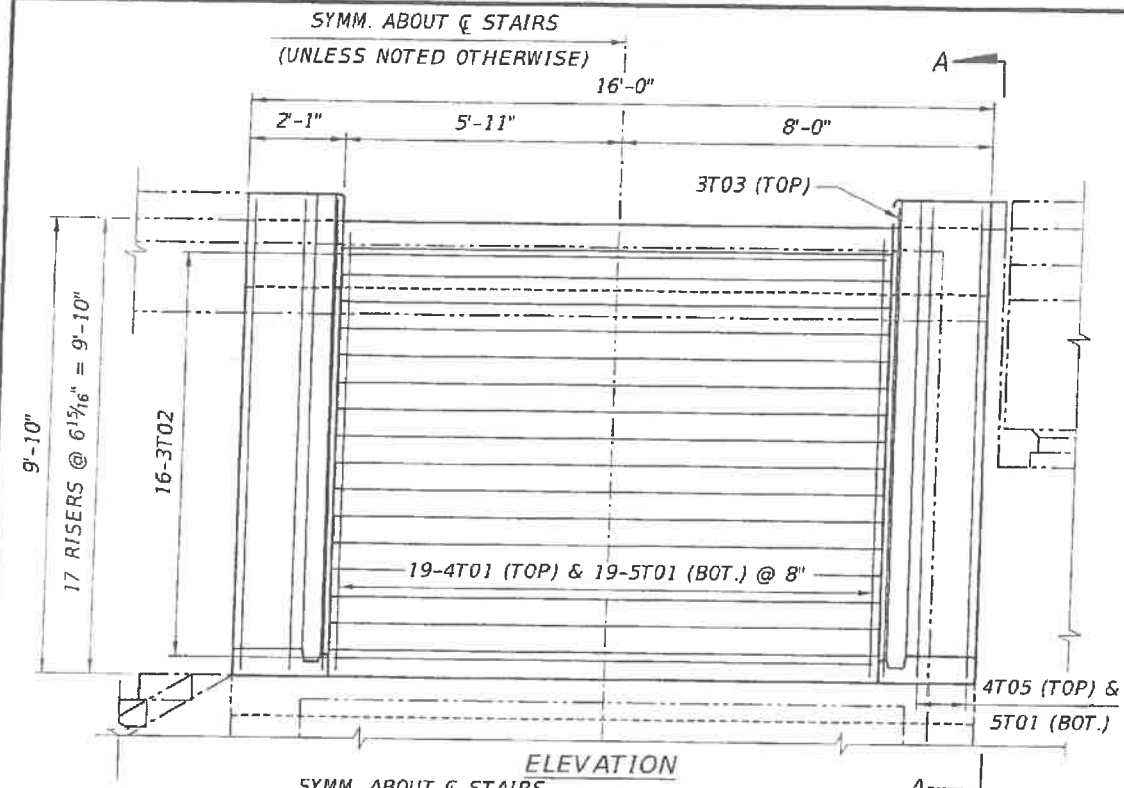
ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

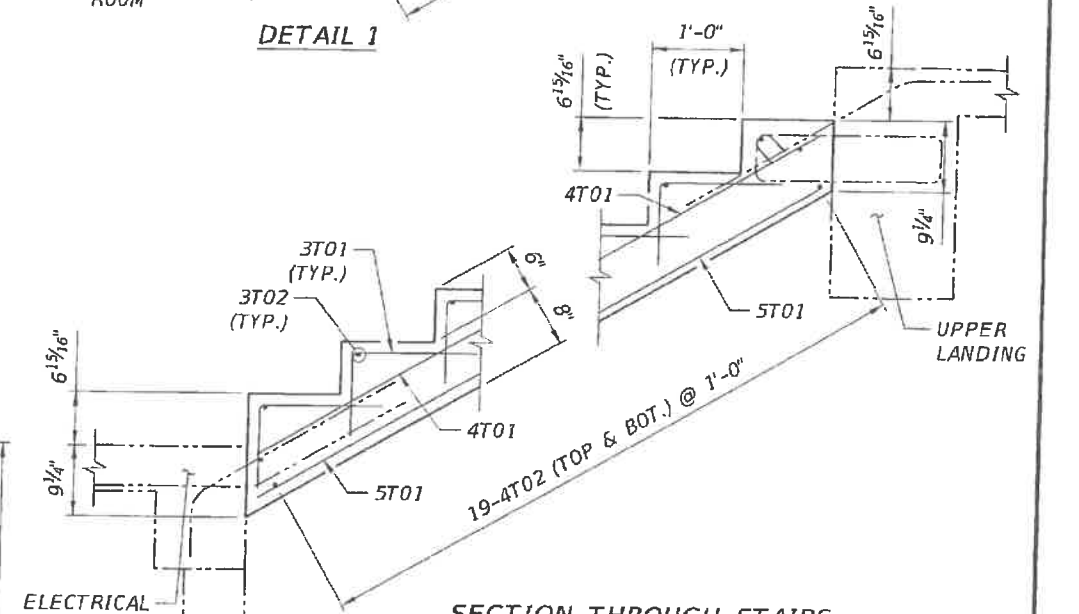
DRAWN BY: DCB
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: MF

FTU FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID
 MIAMI - DADE 434688-1-58-01

SHEET TITLE: SOUTH LANDING - UPPER LANDING DIMENSIONS AND REINFORCEMENT (2 OF 2)
 PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT
 SHEET NO. B-75




PARTIAL SECTION B-B
(RISER REINFORCEMENT NOT SHOWN FOR CLARITY)




SECTION THROUGH STAIRS

- NOTES:
1. FOR ADDITIONAL STAIR INFORMATION, SEE SOUTH LANDING DETAILS DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS OTHERWISE NOTED.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

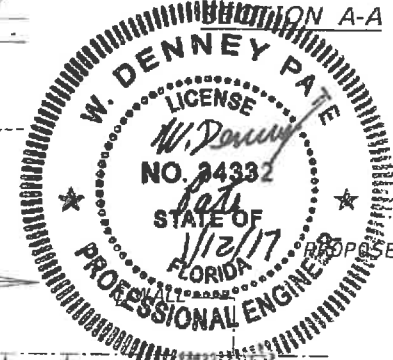
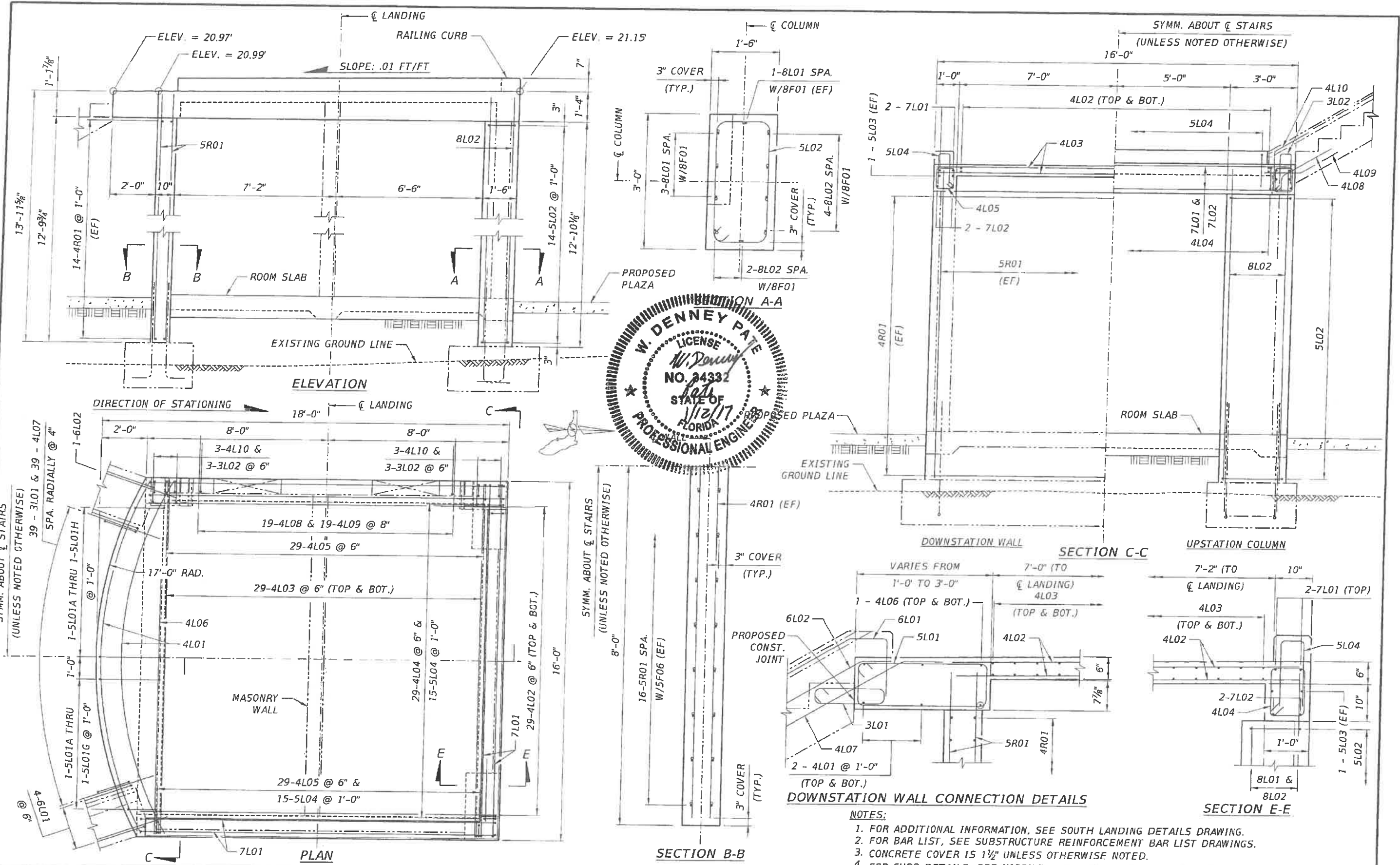
DRAWN BY:
DCB
 CHECKED BY:
ENH
 DESIGNED BY:
ENH
 CHECKED BY:
MF


 ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

SHEET TITLE:
SOUTH LANDING - UPPER STAIRS
DIMENSIONS AND REINFORCEMENT

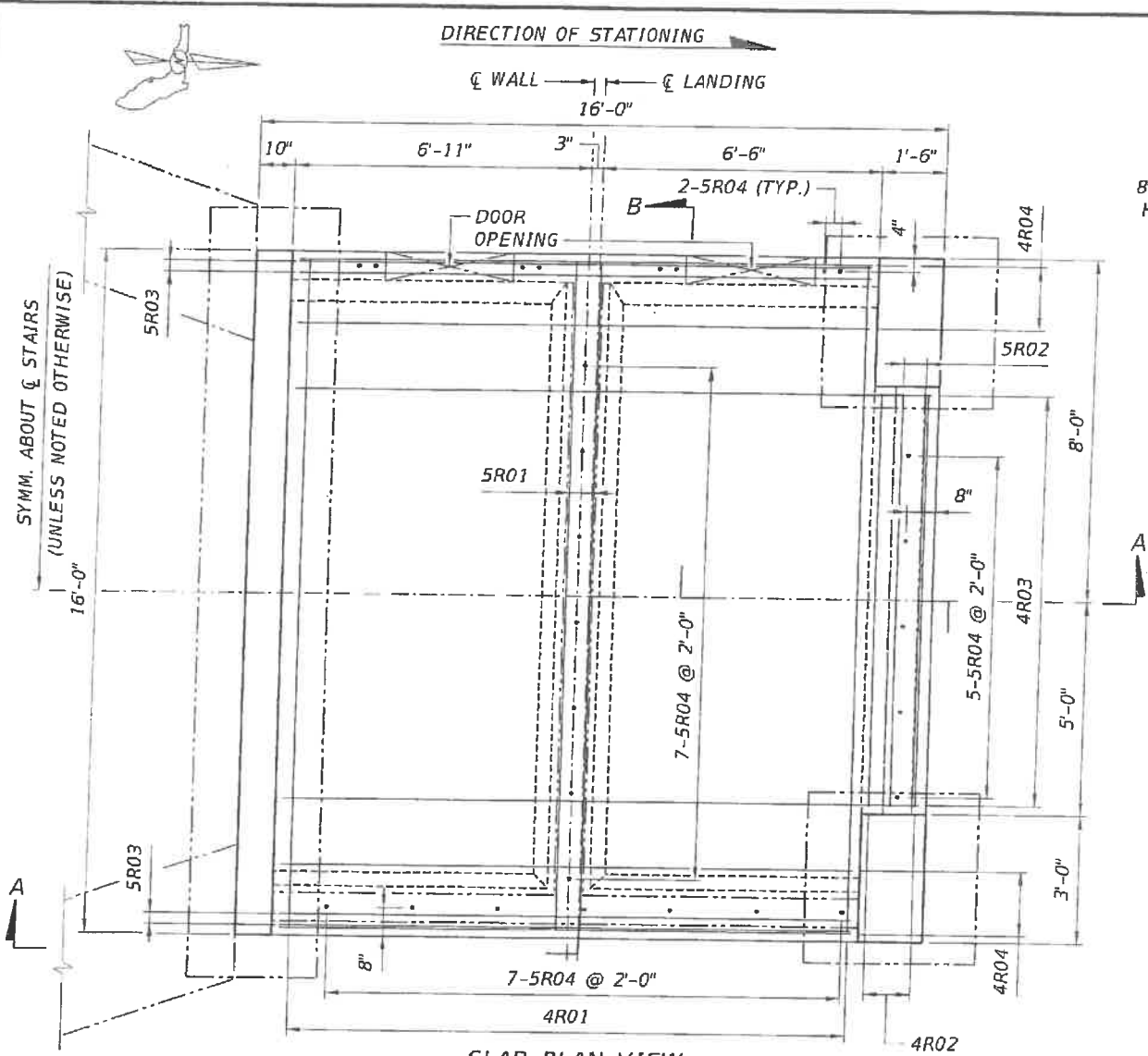
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO.
B-76



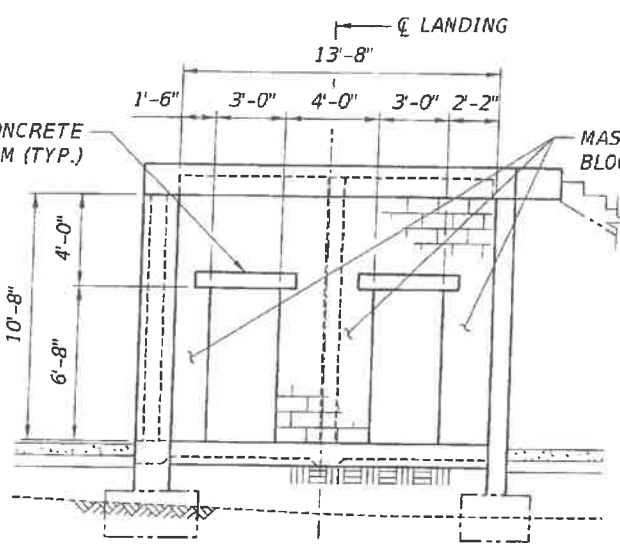
- NOTES:
1. FOR ADDITIONAL INFORMATION, SEE SOUTH LANDING DETAILS DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS OTHERWISE NOTED.
 4. FOR CURB DETAILS, SEE MISSILE GUARD FENCE AND RAILING DETAILS DRAWING.

REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		PROJECT TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	SOUTH LANDING - ELECTRICAL ROOM DIMENSIONS AND REINFORCEMENT (1 OF 2)	
								UNIVERSITYCITY PROSPERITY PROJECT	
ENGINEER OF RECORD: FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332						DRAWN BY: DCB CHECKED BY: ENH DESIGNED BY: ENH CHECKED BY: MF		PROJECT ID: FTU FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID PROJECT NAME: MIAMI-DADE 434688-1-58-01	
Plotted By: Icvanough									SHEET NO. B-77

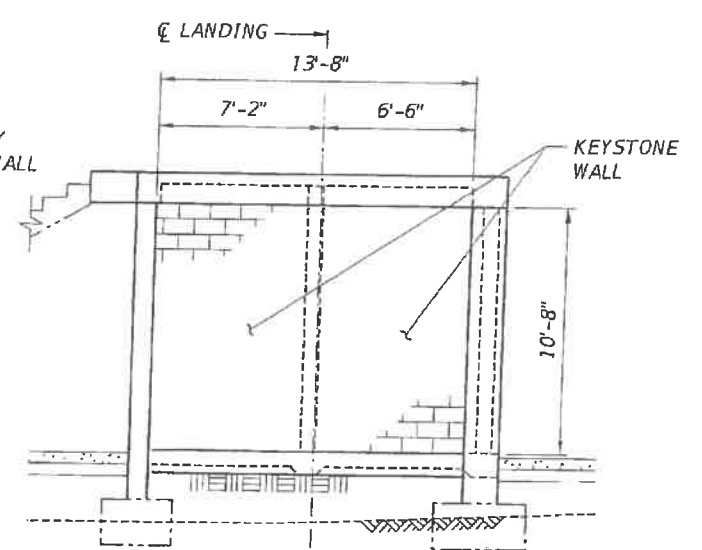


SLAB PLAN VIEW

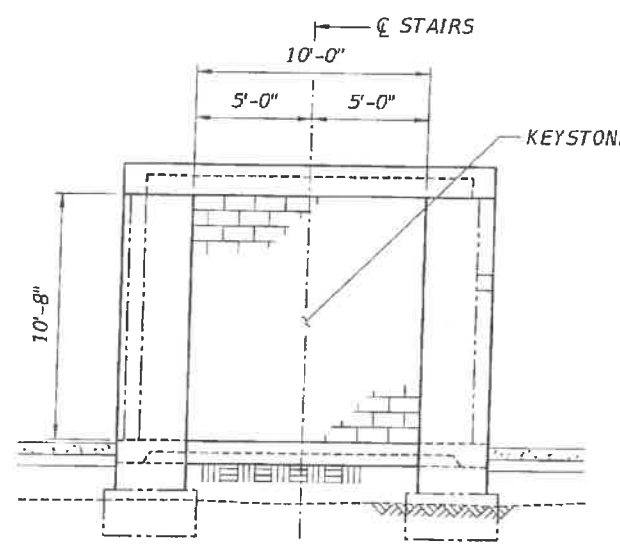
- NOTES:
1. FOR ADDITIONAL INFORMATION, SEE SOUTH LANDING LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 2" UNLESS OTHERWISE NOTED.
 4. T.O.S. DENOTES TOP OF SLAB.
 5. EXTERIOR MASONRY WALL SHALL BE RECESSED IN ORDER TO PROVIDE ROOM FOR PLASTER.



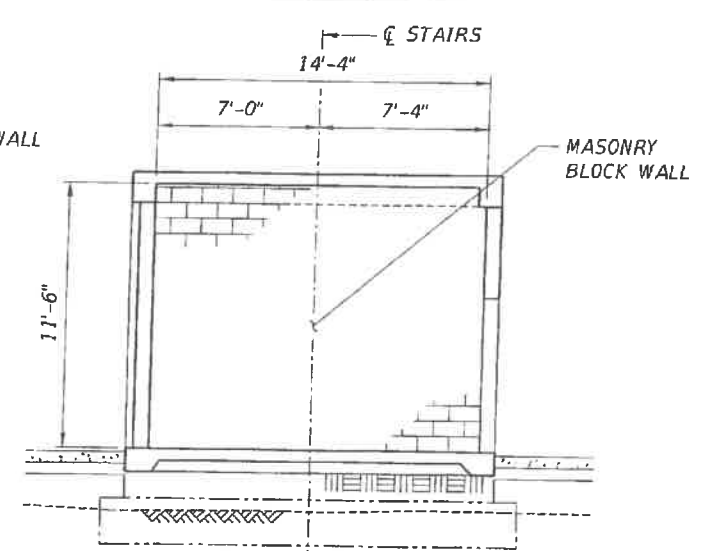
WEST WALL DETAIL



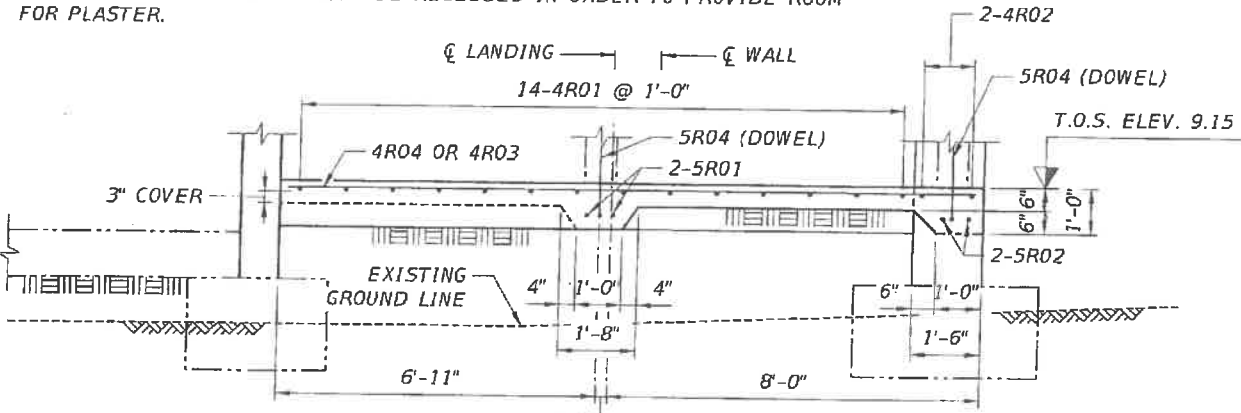
EAST WALL DETAIL



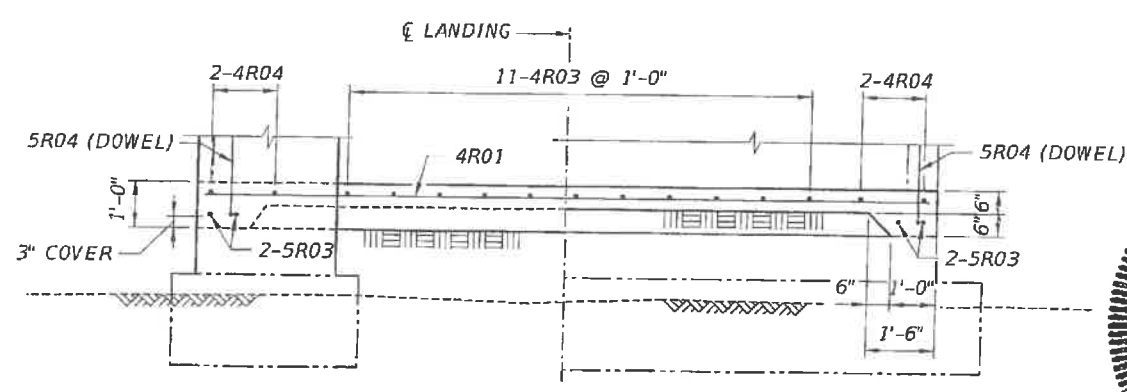
NORTH WALL DETAIL



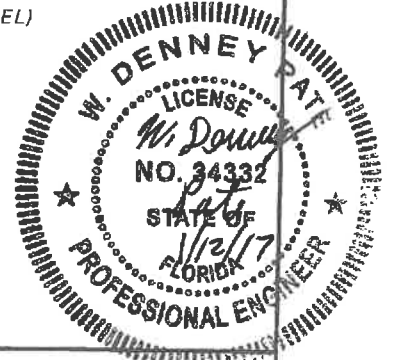
INTERIOR WALL DETAIL
(LOOKING DOWNSTATION)



SECTION A-A



SECTION B-B



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
FIGG
 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: MF

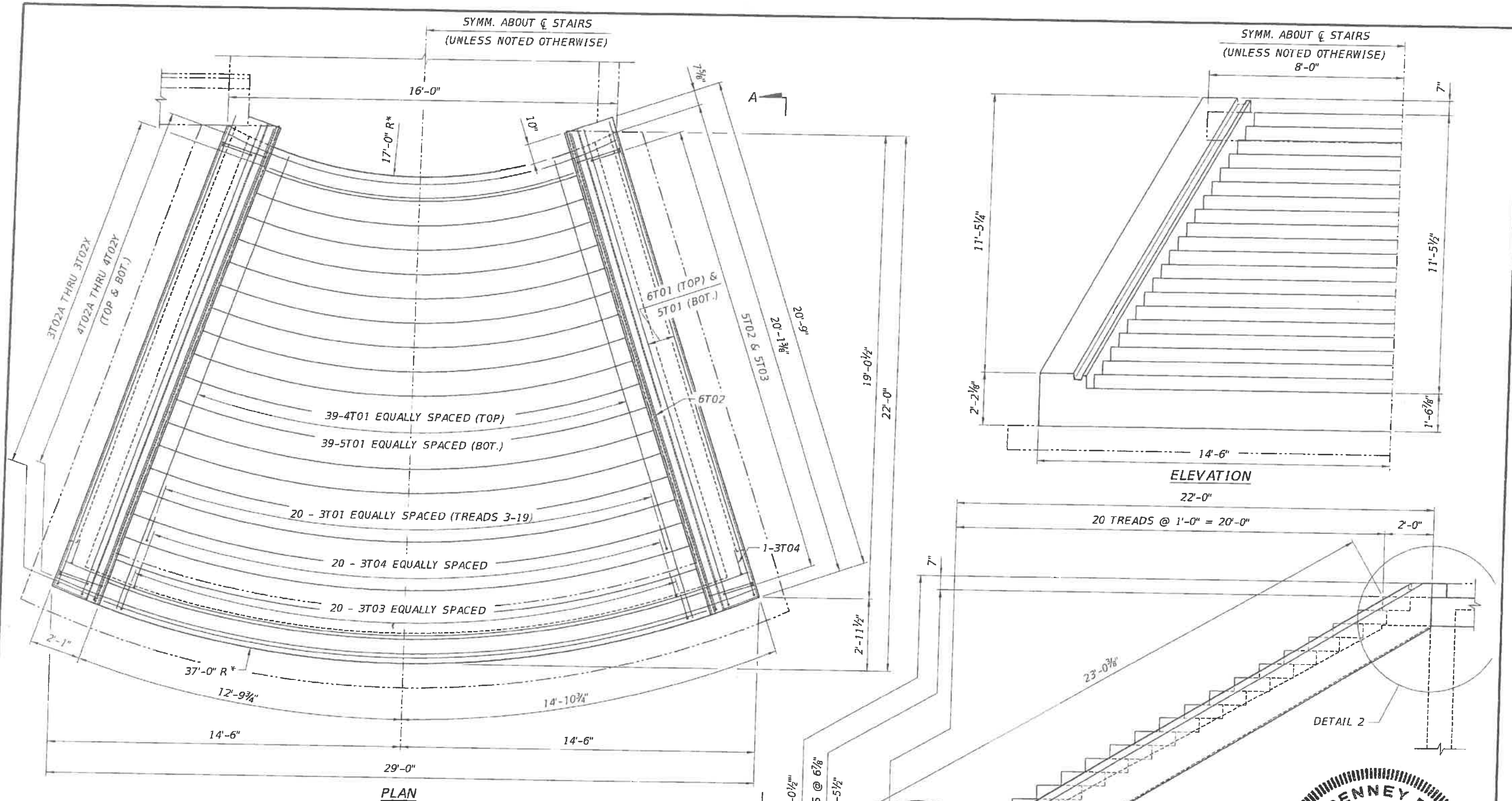
FTU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO.	COUNTY	PROJECT ID
	MIAMI-DADE	434688-1-58-01

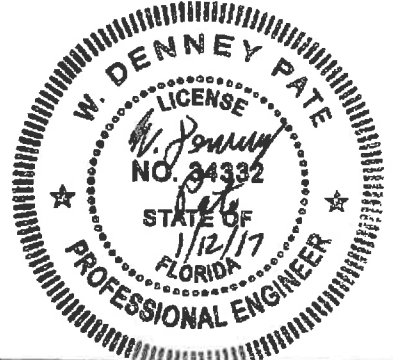
SHEET TITLE:
**SOUTH LANDING - ELECTRICAL ROOM
 DIMENSIONS AND REINFORCEMENT (2 OF 2)**

UNIVERSITYCITY PROSPERITY PROJECT

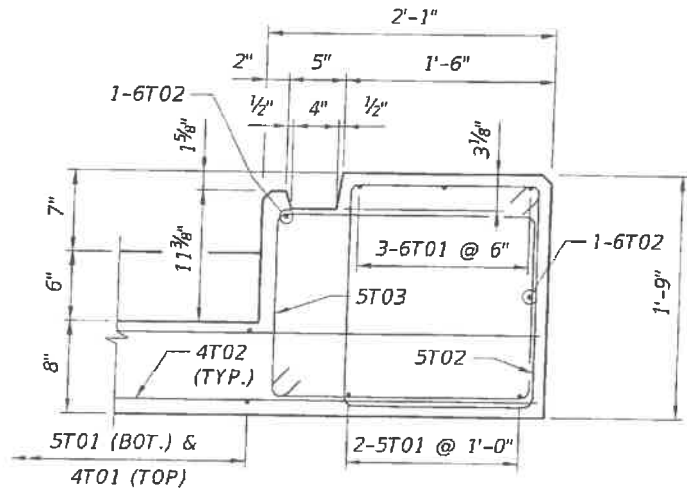
SHEET NO.
 B-78



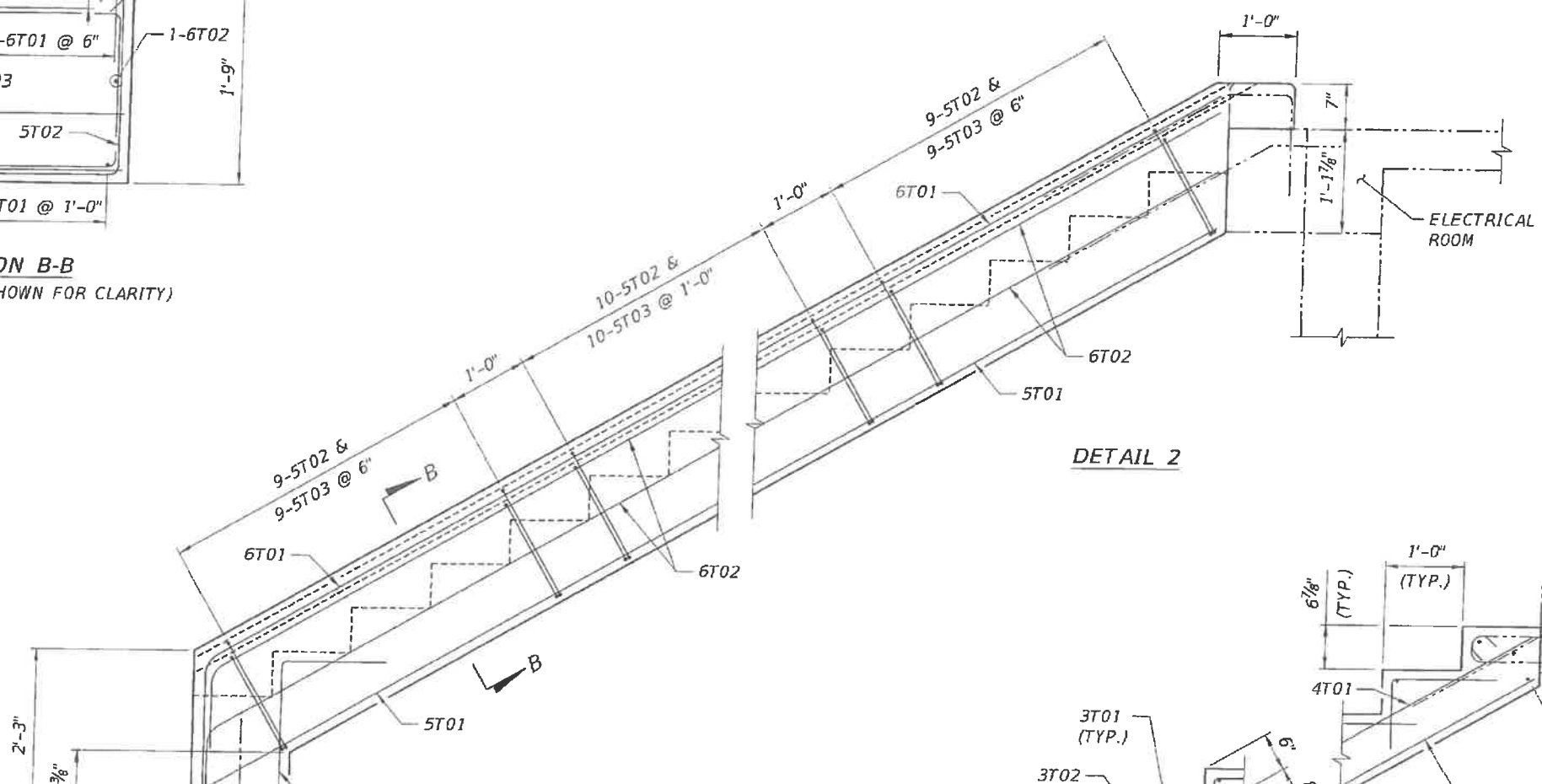
- NOTES:**
1. FOR ADDITIONAL STAIR INFORMATION, SEE SOUTH LANDING LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS OTHERWISE NOTED.
 4. DIMENSIONS GIVEN IN VIEW A-A ARE TAKEN ALONG C STAIRS.
- * RADIUS VARIES BY 1'-0" AT EACH STEP.



REVISIONS						ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FIGG		CFR		SOUTH LANDING - LOWER STAIRS	
						424 North Calhoun Street Tallahassee, Florida 32301		CHECKED BY: ENH		DIMENSIONS AND REINFORCEMENT (1 OF 2)	
						FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		DESIGNED BY: ENH		UNIVERSITYCITY PROSPERITY PROJECT	
								CHECKED BY: MF		SHEET NO. B-79	

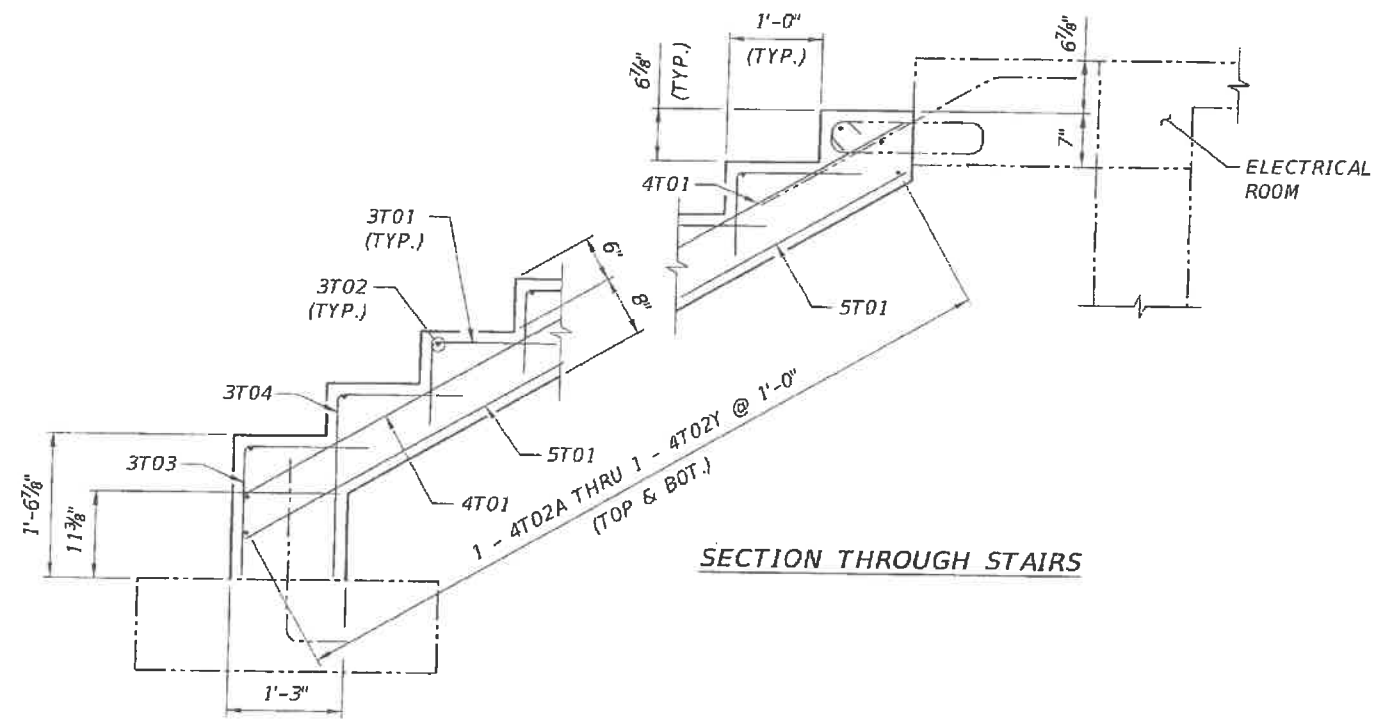


PARTIAL SECTION B-B
(RISER REINFORCEMENT NOT SHOWN FOR CLARITY)



DETAIL 1

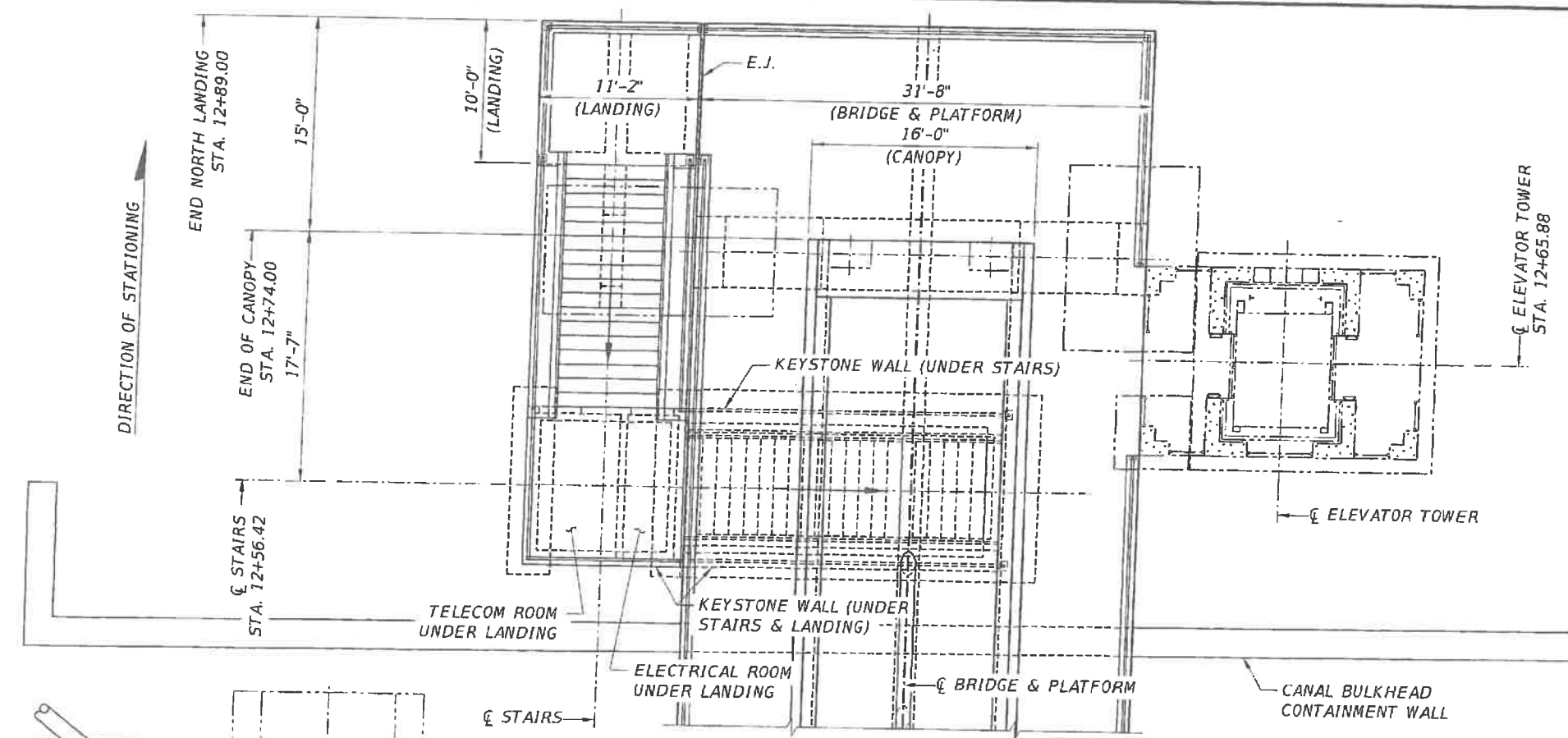
DETAIL 2



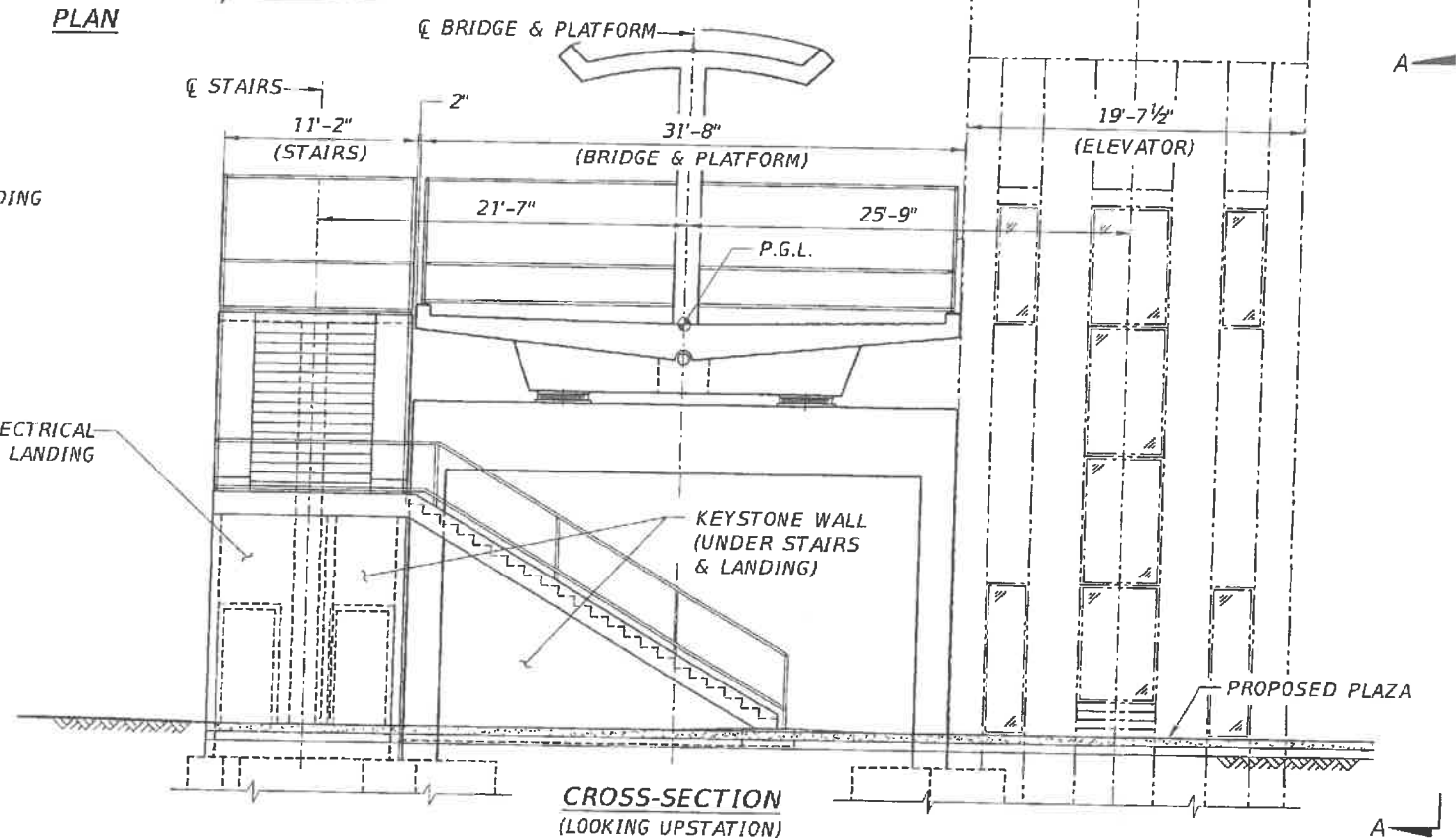
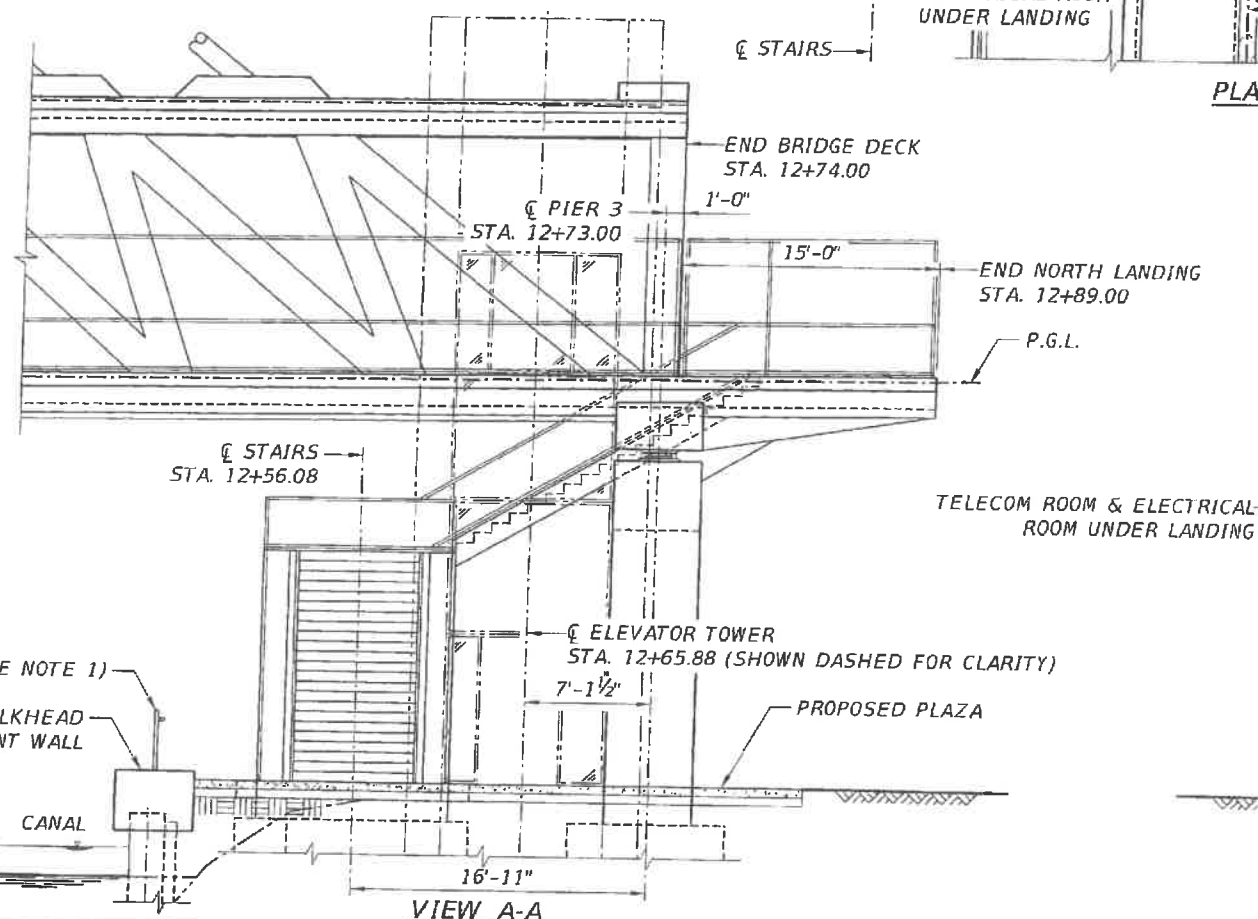
SECTION THROUGH STAIRS

- NOTES:**
1. FOR ADDITIONAL STAIR INFORMATION, SEE SOUTH LANDING LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS OTHERWISE NOTED.
 4. DIMENSIONS GIVEN IN VIEW A-A ARE TAKEN ALONG C OF STAIRS.
 5. FOR DETAILS 1 AND 2, SEE SOUTH LANDING - LOWER STAIRS DIMENSIONS AND REINFORCEMENT (1 OF 2).

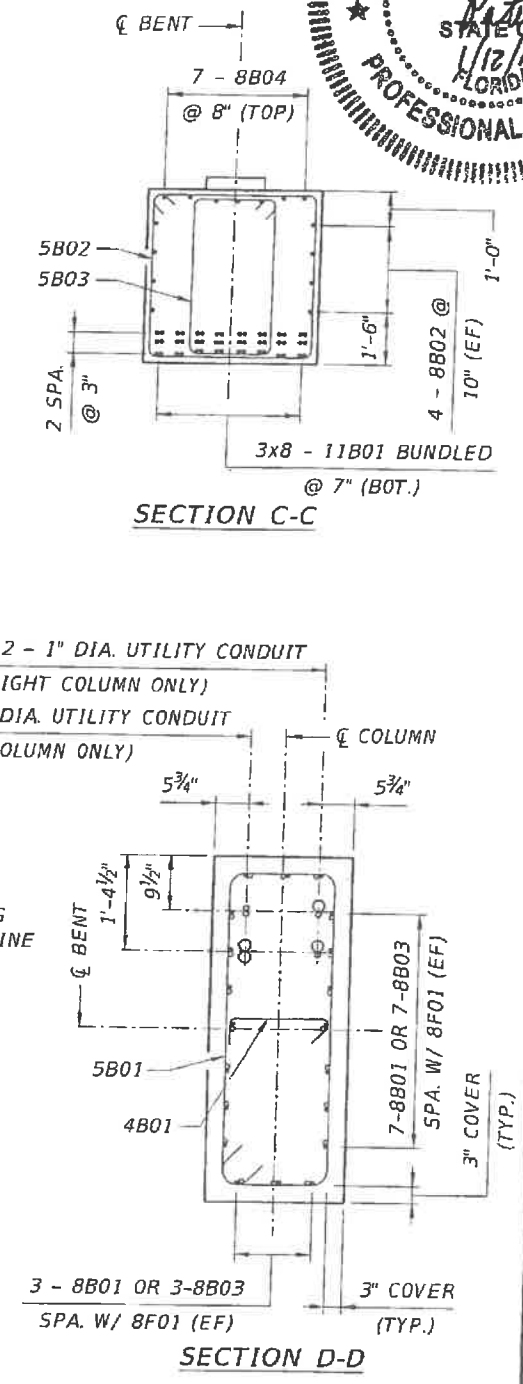
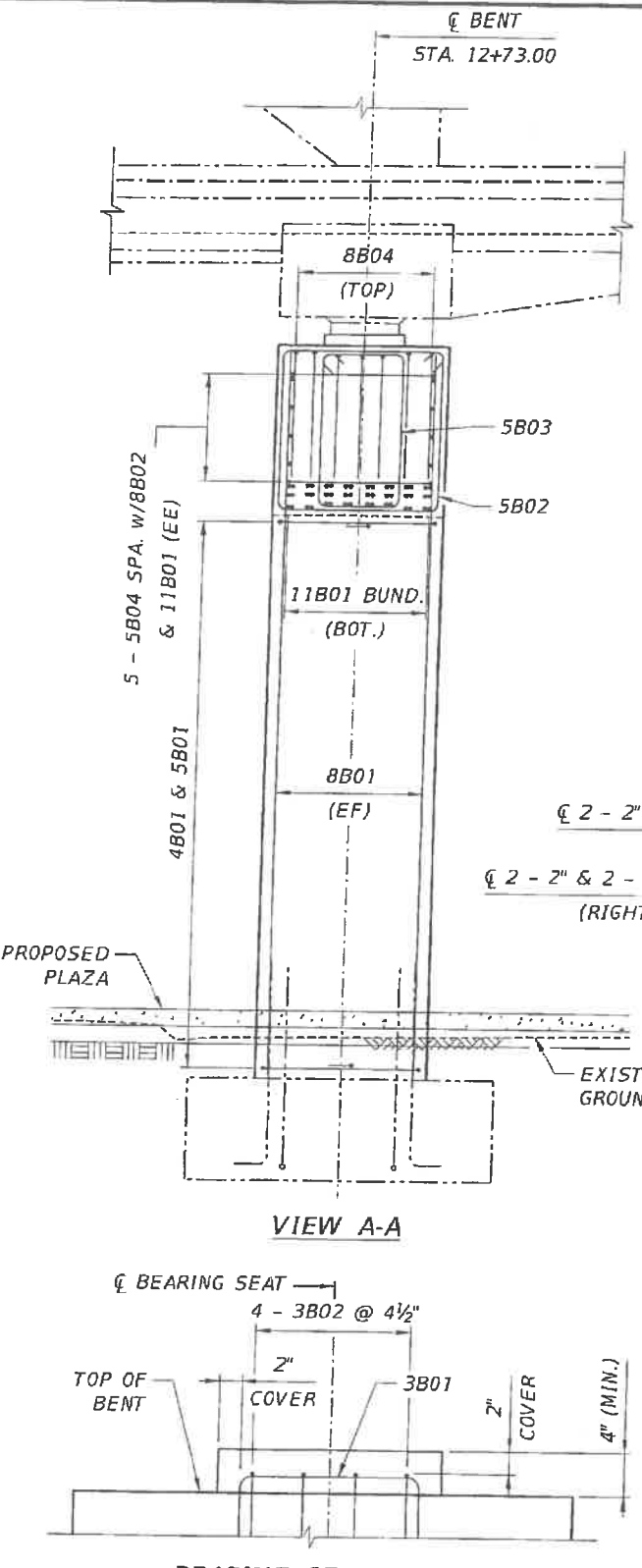
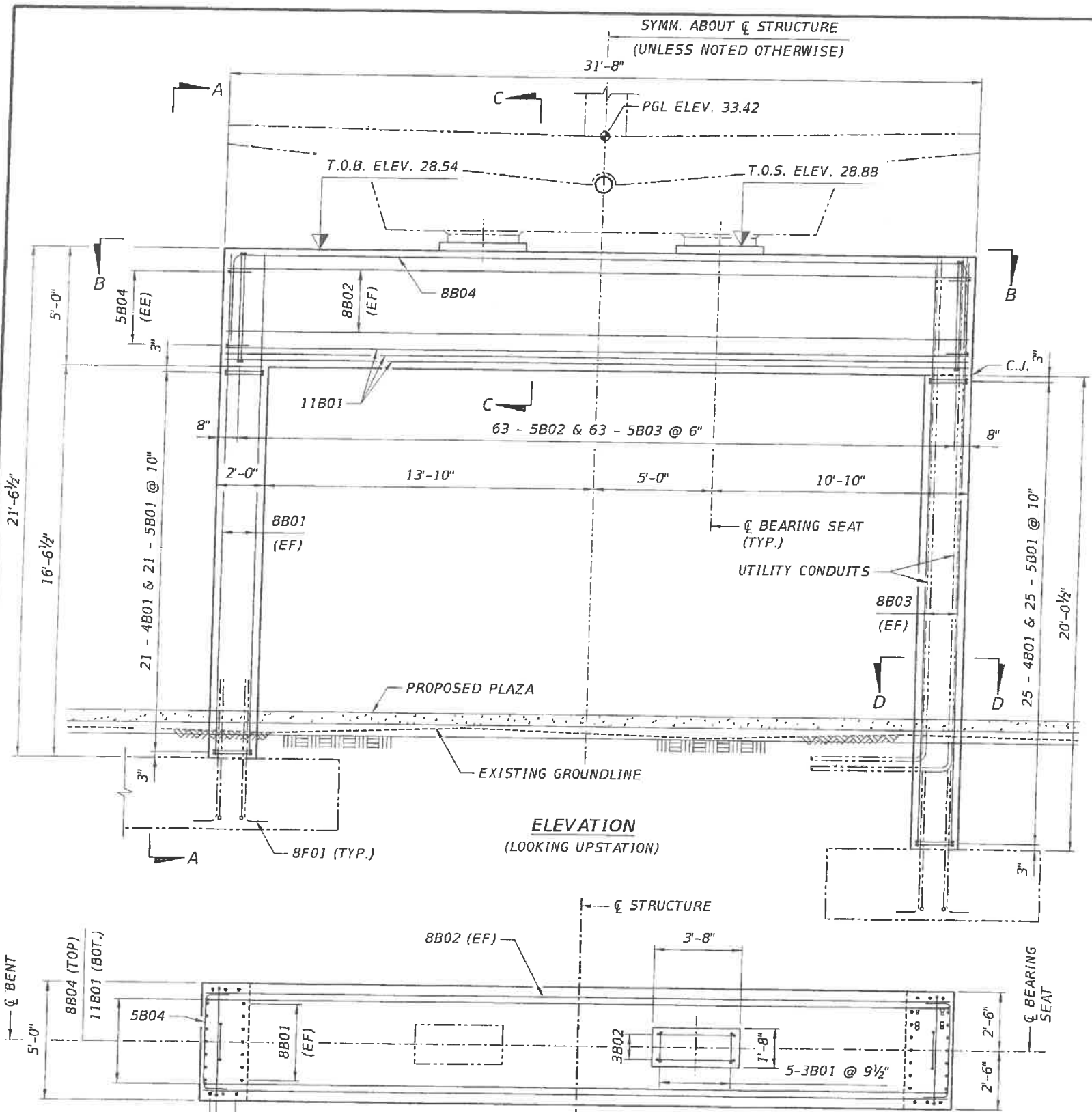
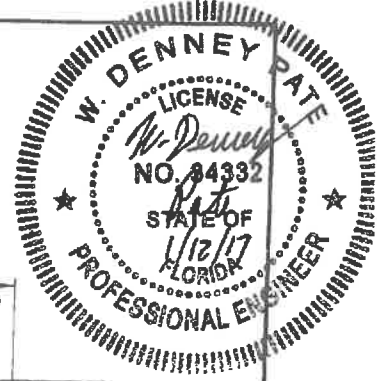
REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	CFR	CFR	SOUTH LANDING - LOWER STAIRS	
								DIMENSIONS AND REINFORCEMENT (2 OF 2)	
 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5518 W. DENNEY PATE, P.E. - P.E. NO. 34332						 FLORIDA INTERNATIONAL UNIVERSITY		PROJECT NAME:	
ROAD NO. COUNTY PROJECT ID MIAMI-DADE 434688-1-58-01						PROJECT NAME:		UNIVERSITYCITY PROSPERITY PROJECT	
Plotted By: Iavanaugh									SHEET NO. B-80



NOTES:
1. FOR RAILING DETAILS, SEE BULKHEAD/RETAINING WALL PLANS.

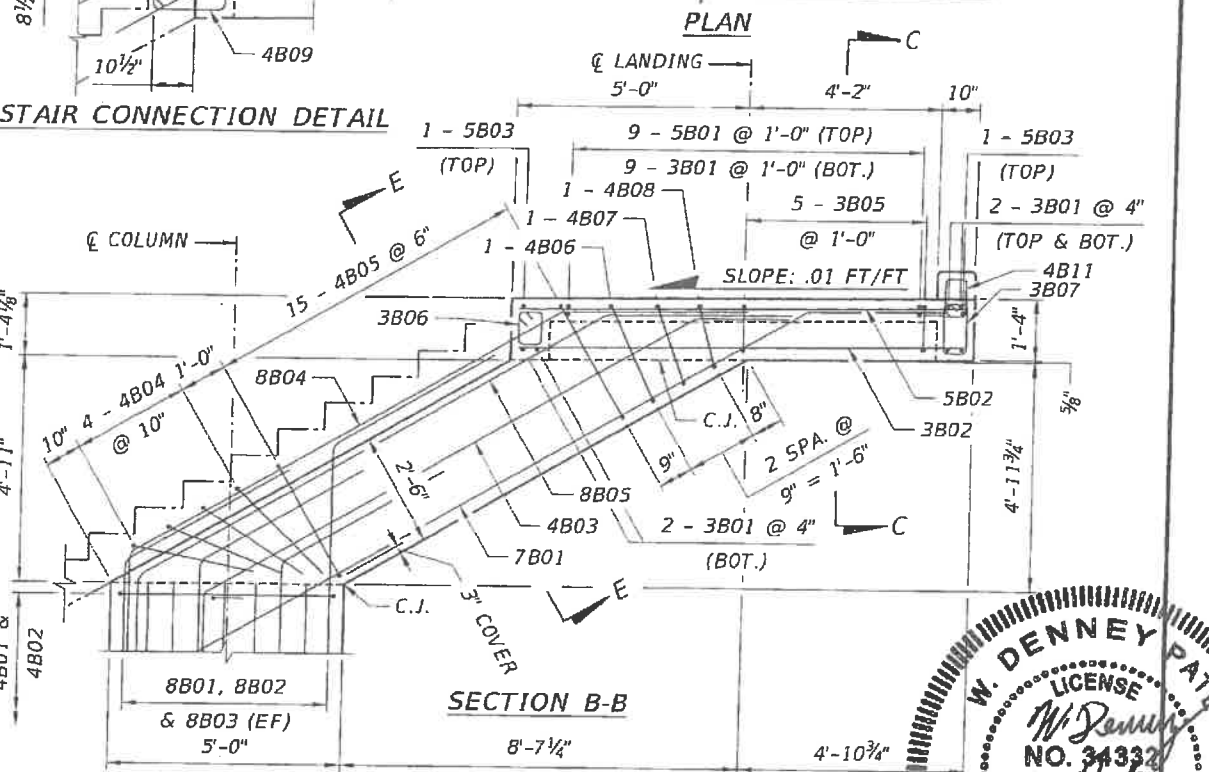
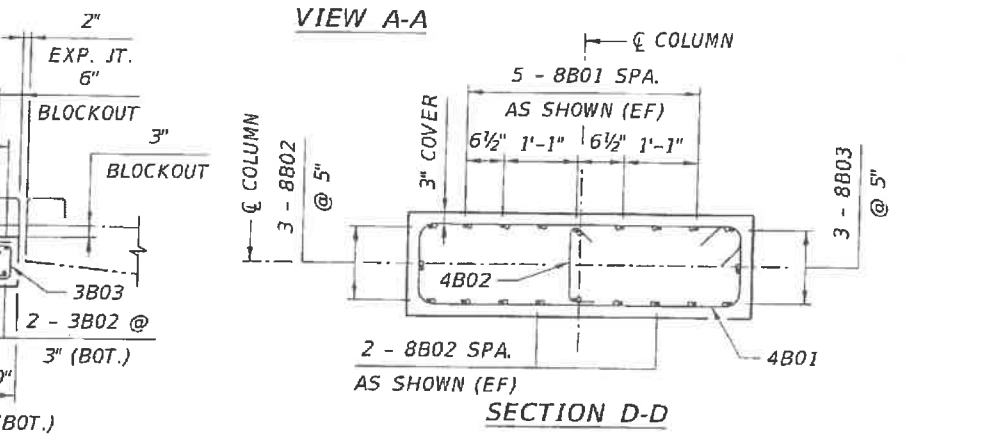
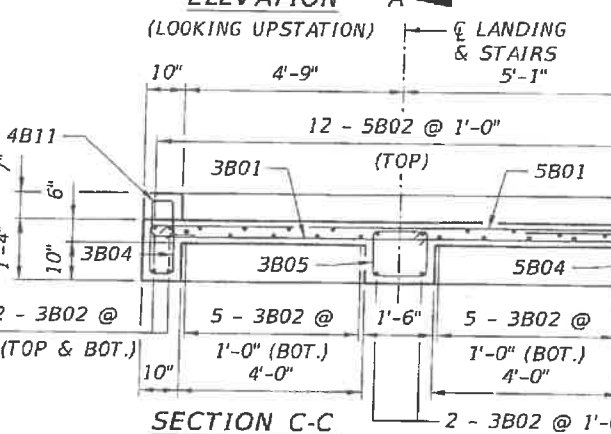
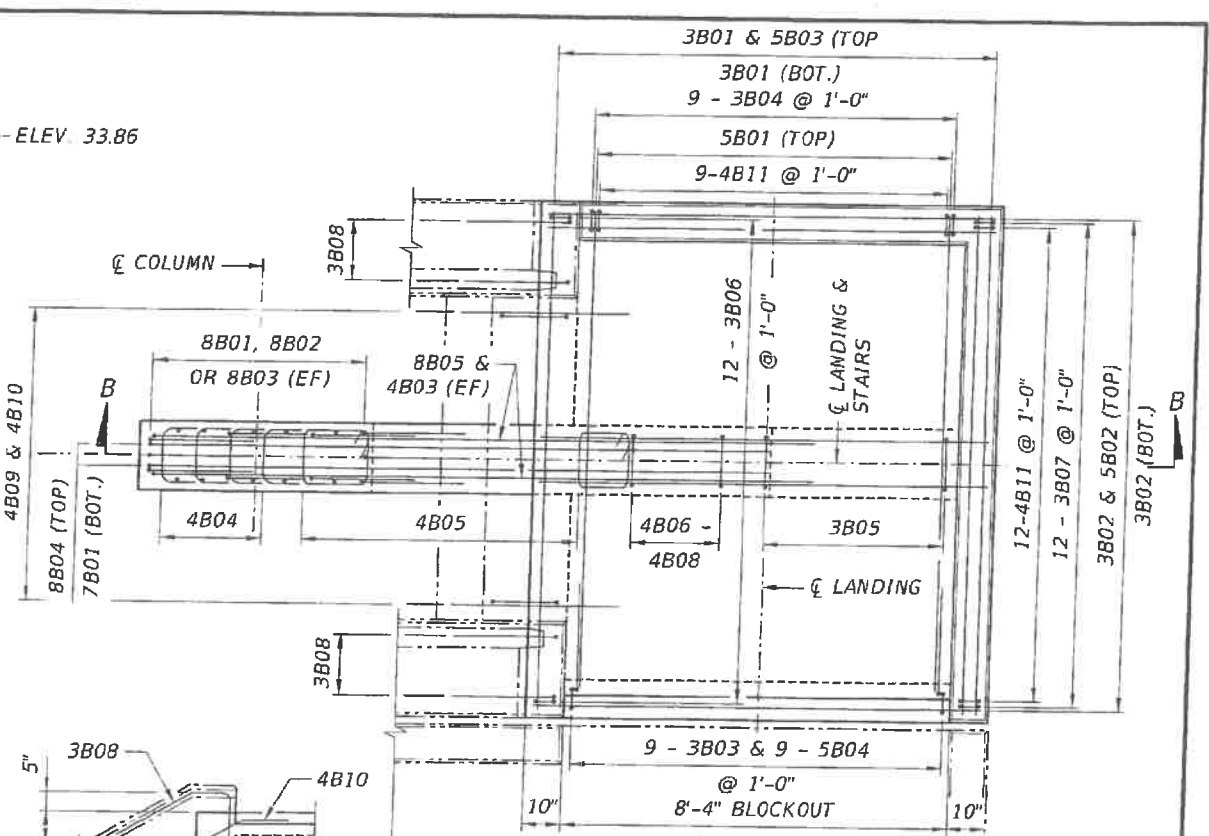
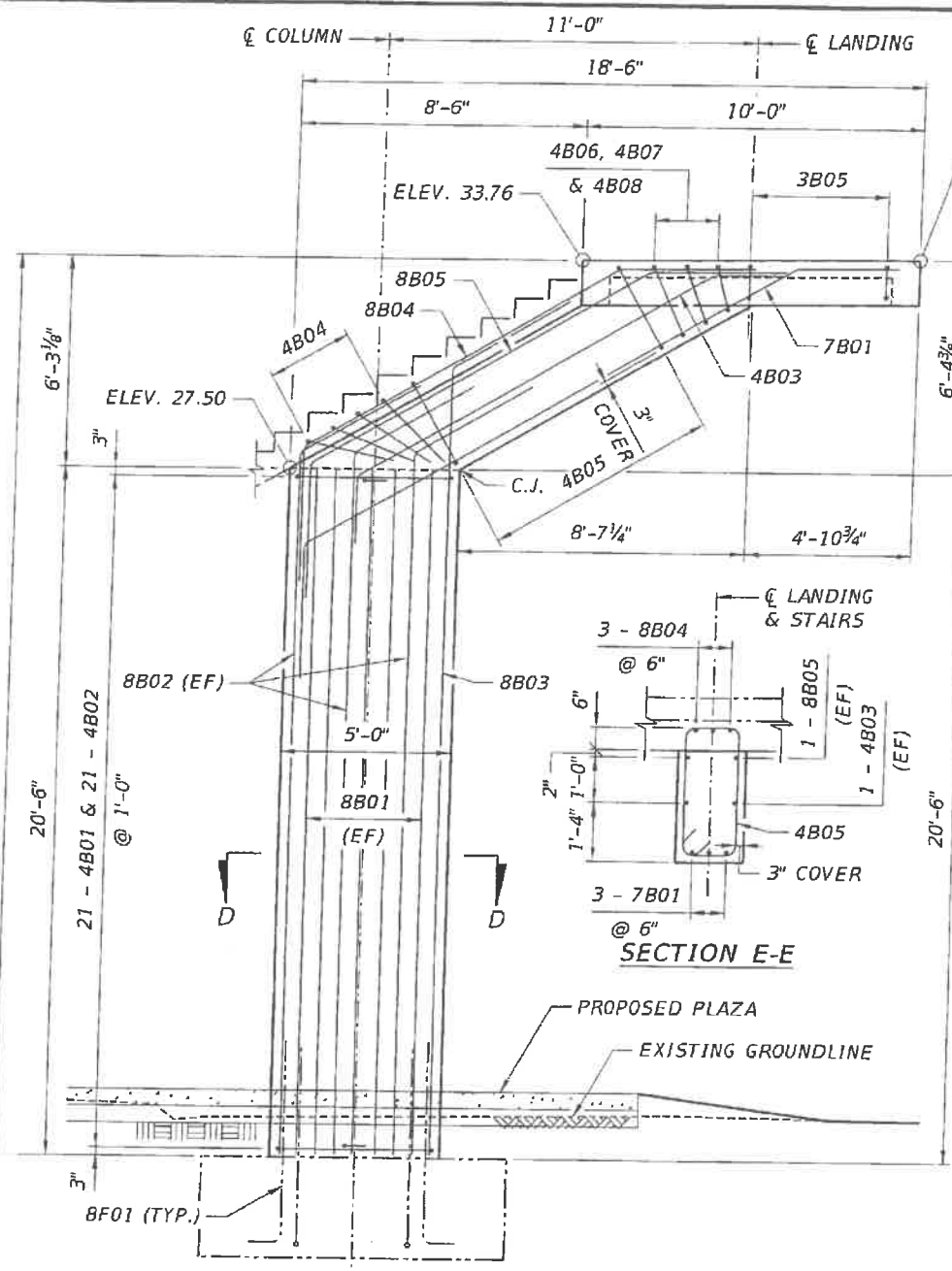
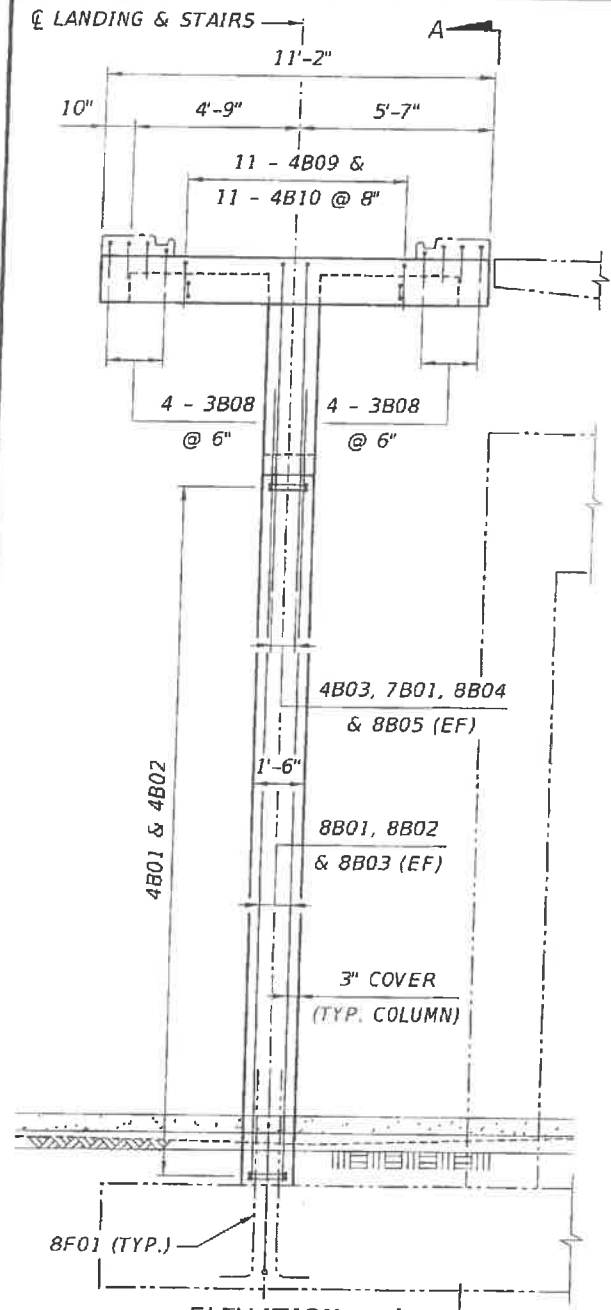


REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	ENH	ROAD NO.	COUNTY
 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332						 FLORIDA INTERNATIONAL UNIVERSITY		PROJECT ID: 434688-1-58-01 COUNTY: MIAMI-DADE	
UNIVERSITYCITY POSPERITY PROJECT								SHEET NO. B-81	



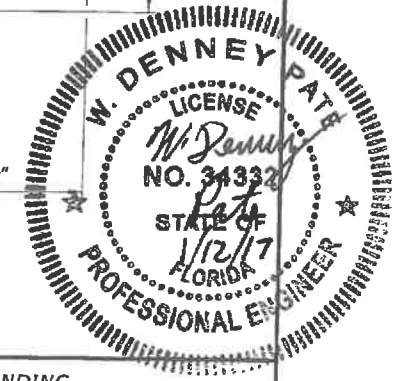
- NOTES:**
1. FOR ADDITIONAL BENT INFORMATION, SEE NORTH LANDING LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 2" UNLESS OTHERWISE NOTED.
 4. EE DENOTES EACH END.
T.O.B. DENOTES TOP OF BENT.
 5. CONCRETE BEARING SEATS SHALL BE POURED AFTER THE BENT HAS BEEN CAST.
 6. BEARING SEAT CONCRETE SHALL BE 5500 PSI.
 7. FOR BEARING DETAILS, SEE BEARING DETAILS DRAWING.

REVISIONS						ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FIGG		DCB		NORTH LANDING BENT DIMENSIONS AND REINFORCEMENT	
						424 North Calhoun Street Tallahassee, Florida 32301		FTU FLORIDA INTERNATIONAL UNIVERSITY		UNIVERSITYCITY PROSPERITY PROJECT	
						FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		ROAD NO. COUNTY PROJECT ID		PROJECT NAME: SHEET NO.	
								MIAMI-DADE 434688-1-58-01		UNIVERSITYCITY PROSPERITY PROJECT B-82	




NOTES:

1. FOR ADDITIONAL INFORMATION, SEE SOUTH LANDING DETAILS DRAWING.
2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. CONCRETE COVER IS 1 1/2" UNLESS OTHERWISE NOTED.
4. FOR EXPANSION JOINT DETAILS, SEE EXPANSION JOINT DETAILS DRAWING.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
CHECKED BY: JDS
DESIGNED BY: JDS
CHECKED BY: MF

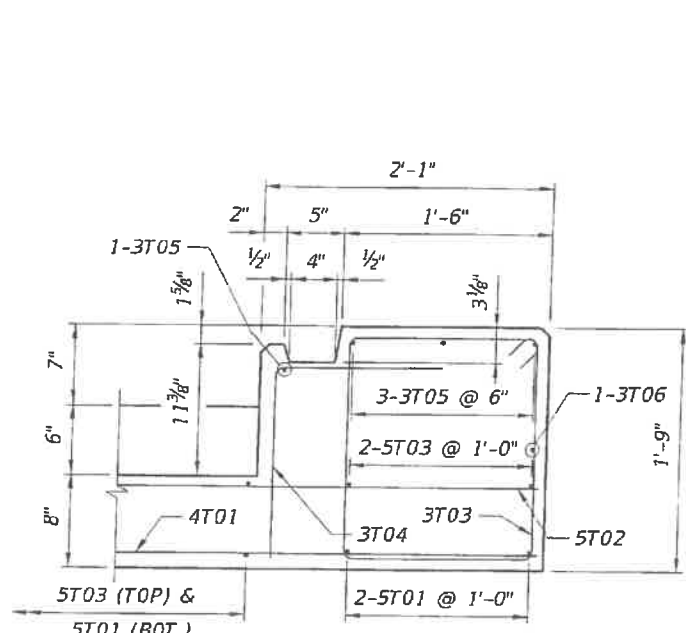
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

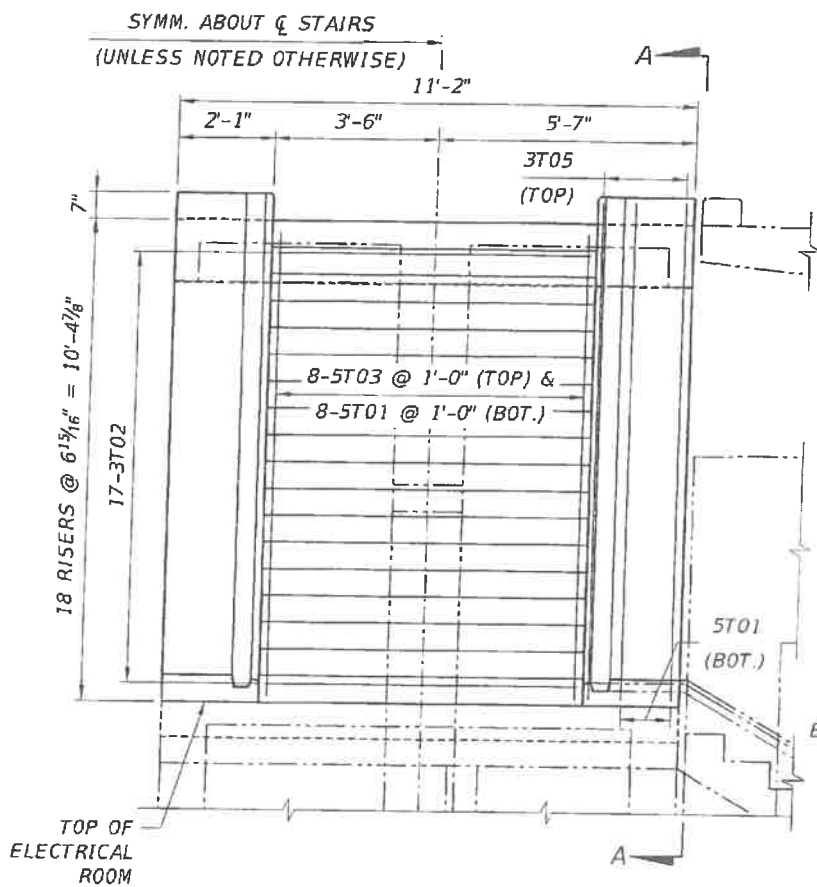
SHEET TITLE: NORTH LANDING - COLUMN AND UPPER LANDING DIMENSIONS AND REINFORCEMENT

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

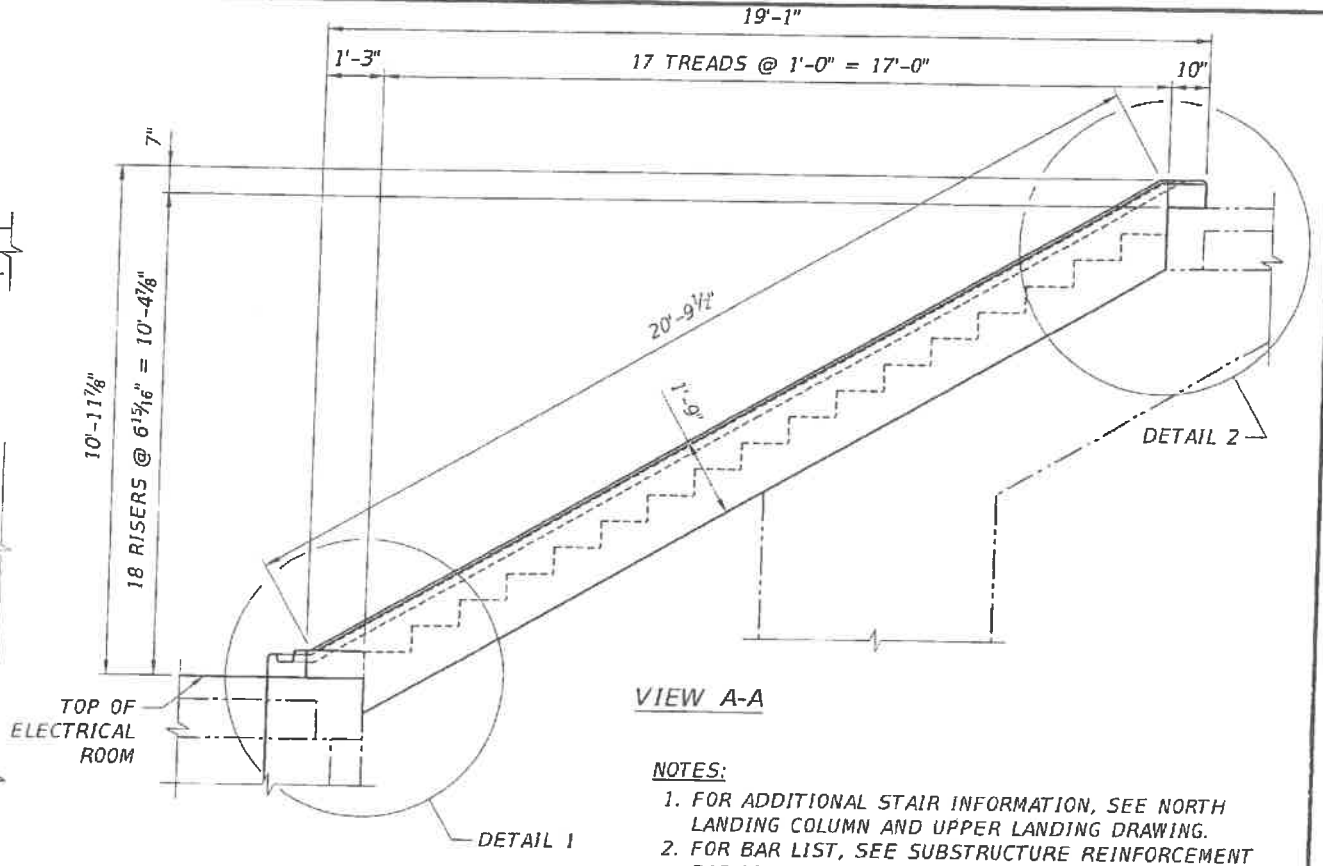
SHEET NO.: B-83



PARTIAL SECTION B-B
(RISER REINFORCEMENT NOT SHOWN FOR CLARITY)

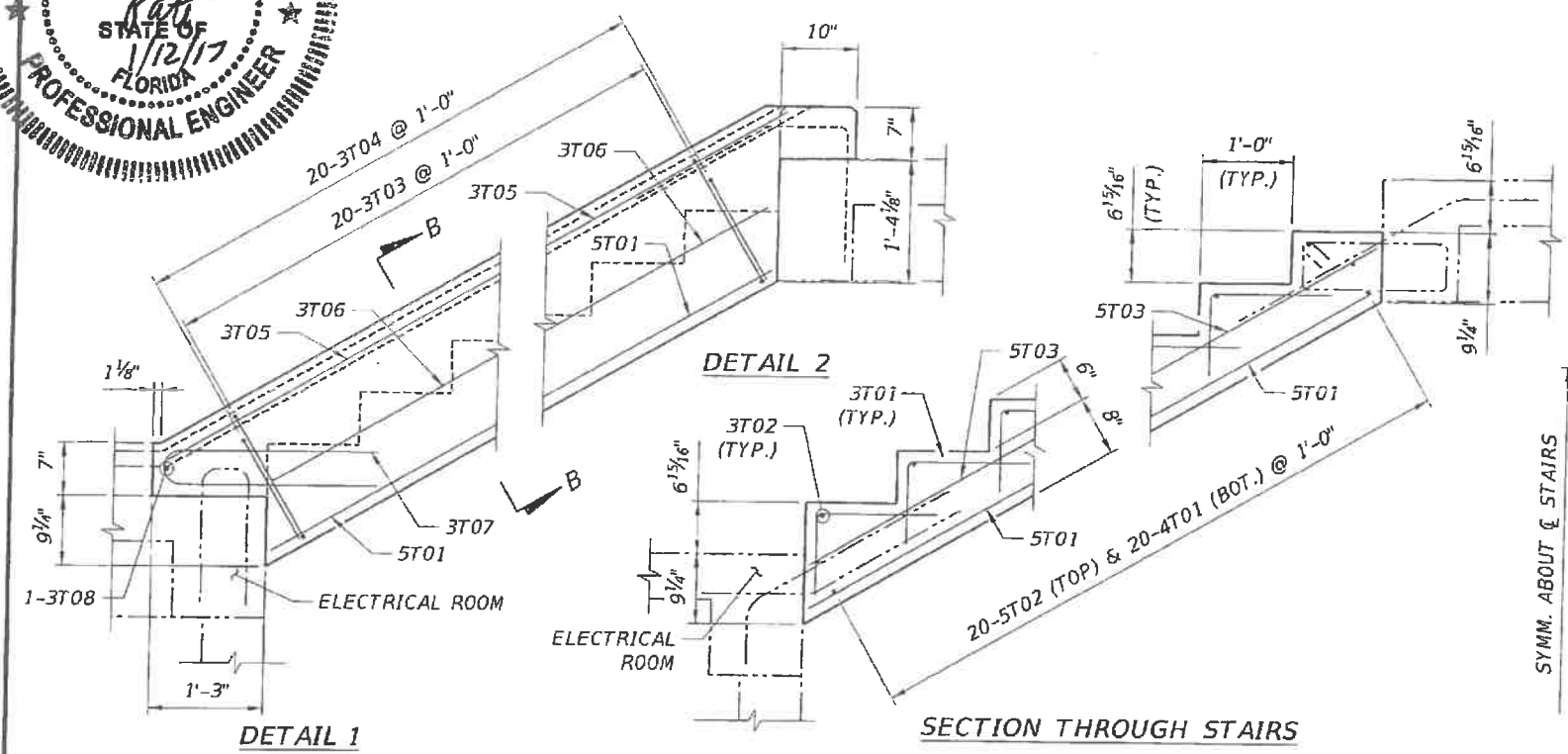


ELEVATION

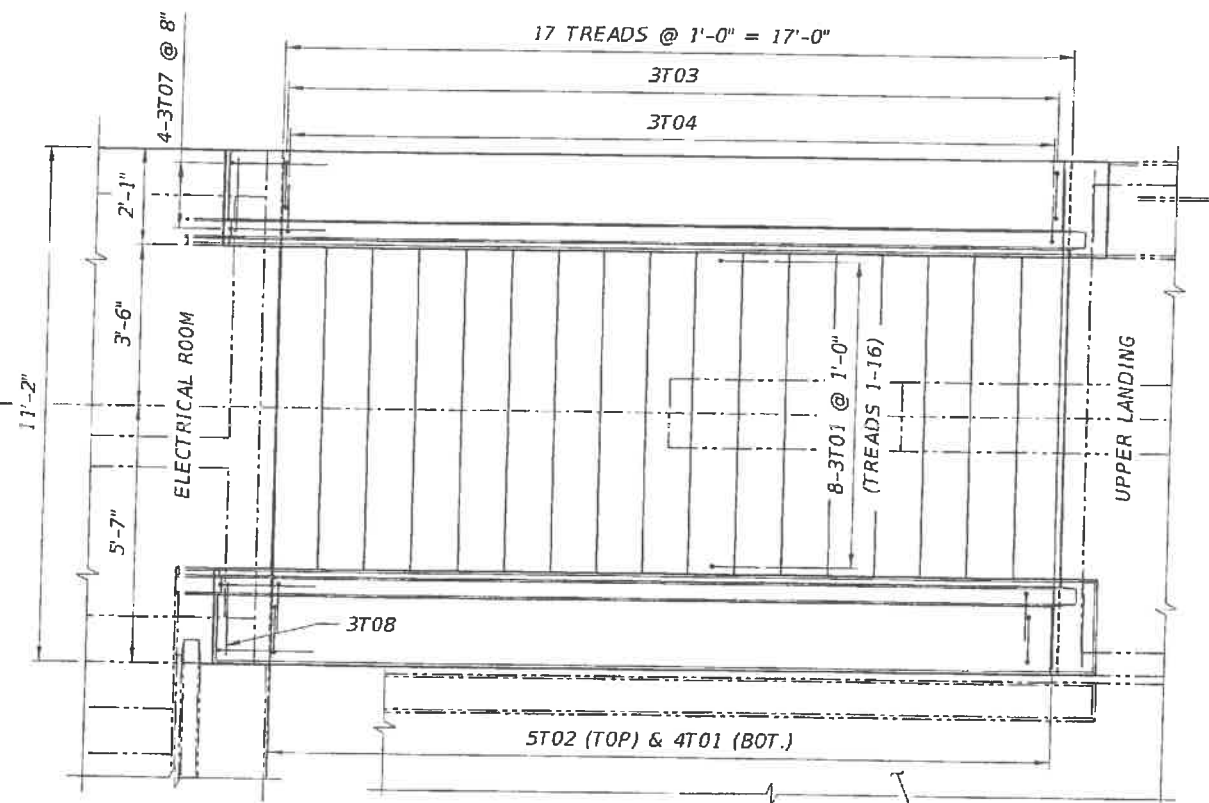


VIEW A-A

- NOTES:**
1. FOR ADDITIONAL STAIR INFORMATION, SEE NORTH LANDING COLUMN AND UPPER LANDING DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS OTHERWISE NOTED.



SECTION THROUGH STAIRS



PLAN

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: JDS
 DESIGNED BY: JDS
 CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

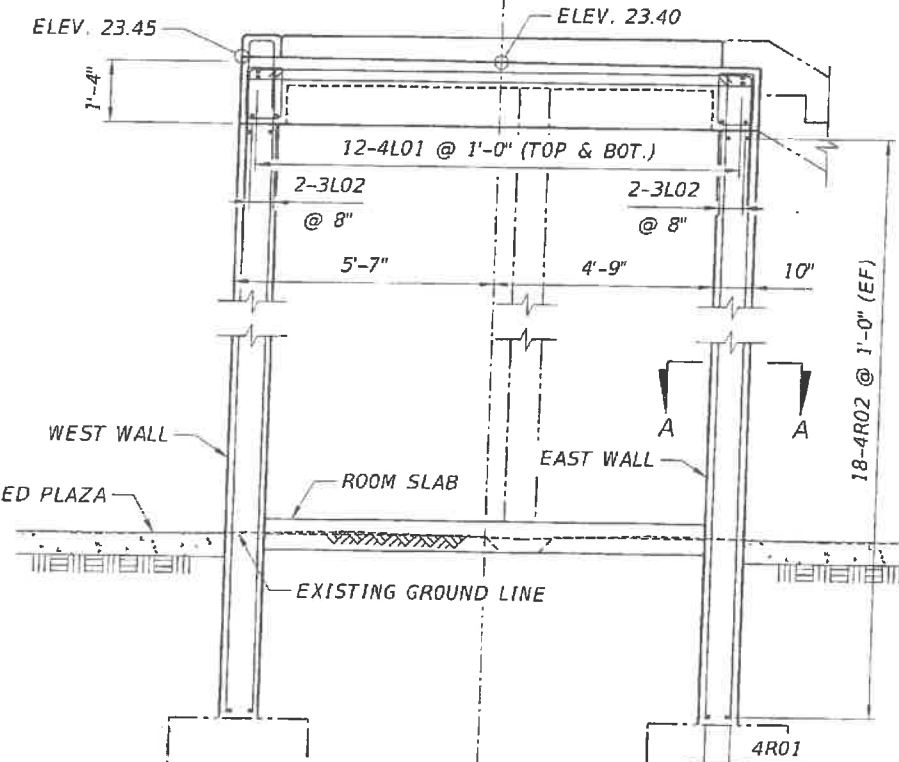
ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

SHEET TITLE:
NORTH LANDING - UPPER STAIR DIMENSIONS AND REINFORCEMENT

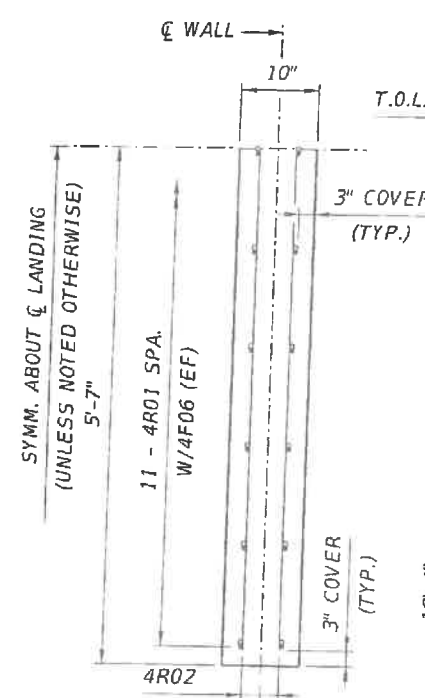
PROJECT NAME:
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO.
B-84

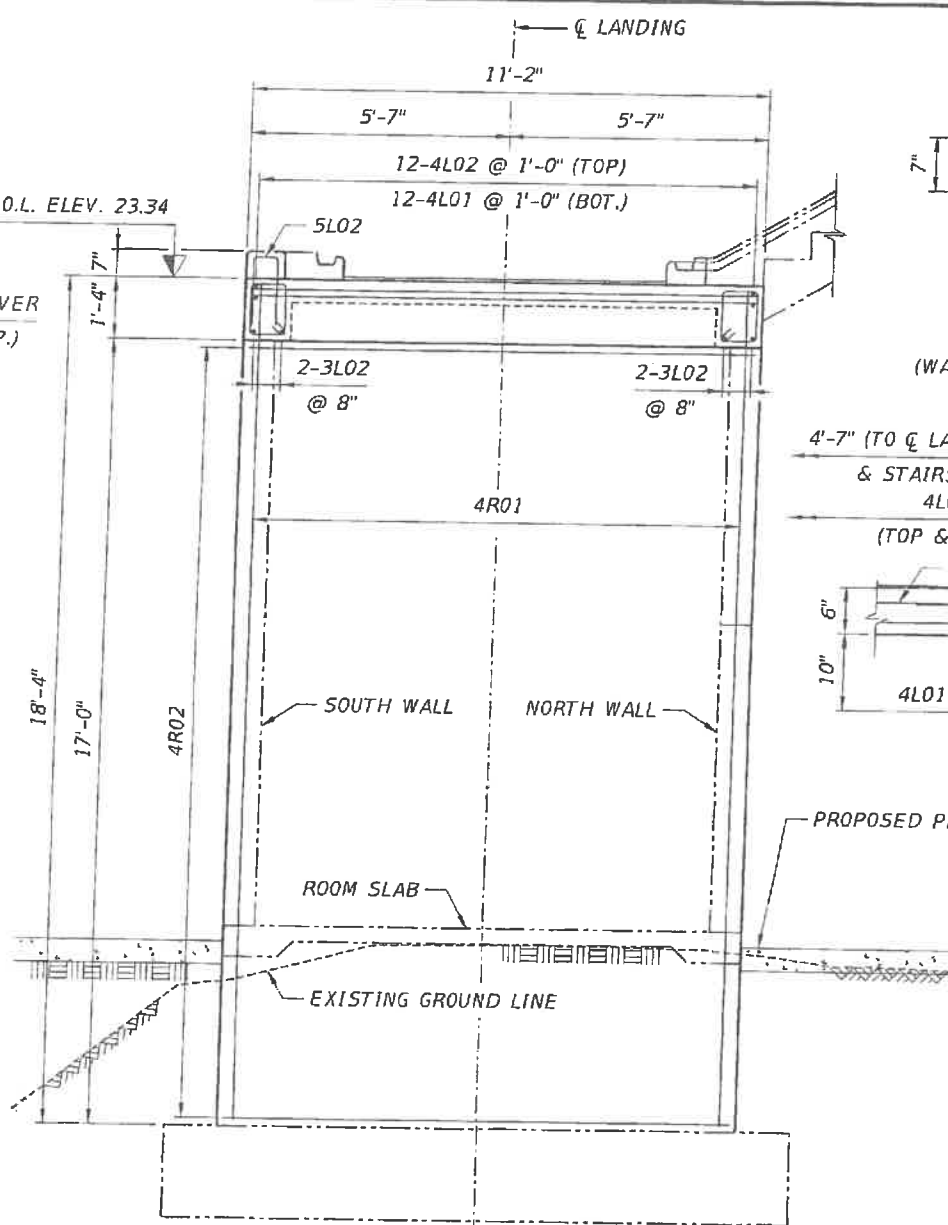
SLOPE: .01 FT/FT SYMM. ABOUT \bar{C} LANDING & STAIRS (UNLESS NOTED OTHERWISE)



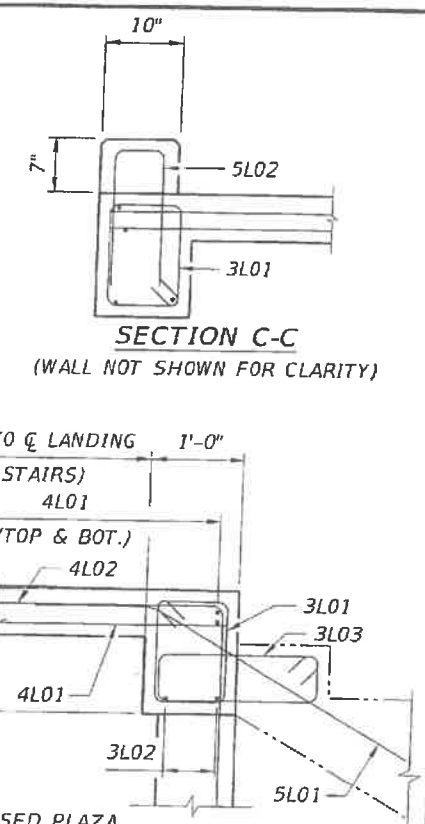
ELEVATION
(LOOKING UPSTATION)
(STAIR CONNECTION REINFORCEMENT NOT SHOWN FOR CLARITY)



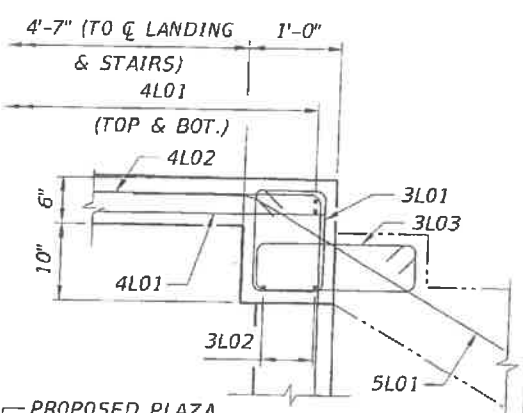
SECTION A-A



VIEW B-B
(STAIR CONNECTION REINFORCEMENT NOT SHOWN FOR CLARITY)

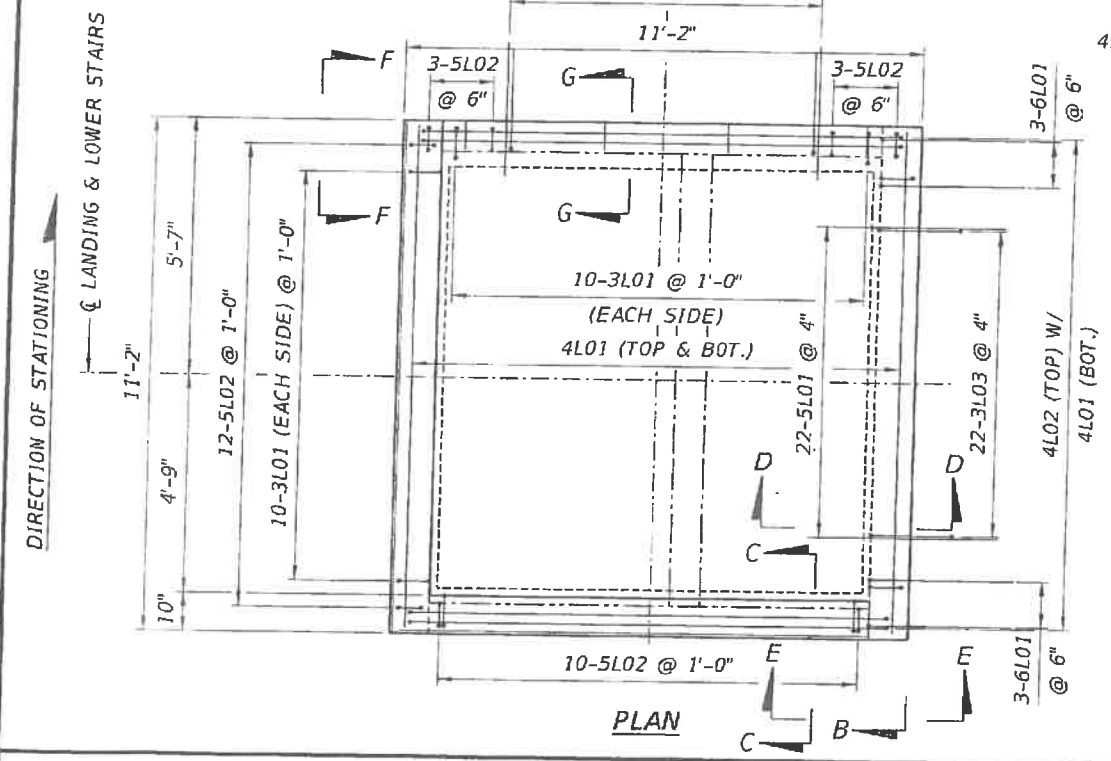
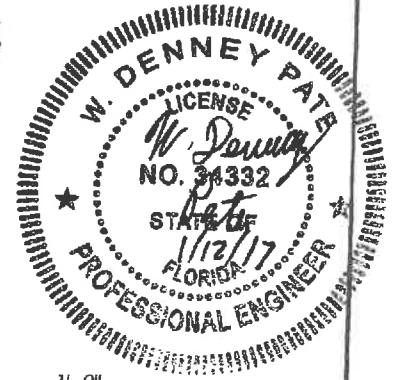


SECTION C-C
(WALL NOT SHOWN FOR CLARITY)

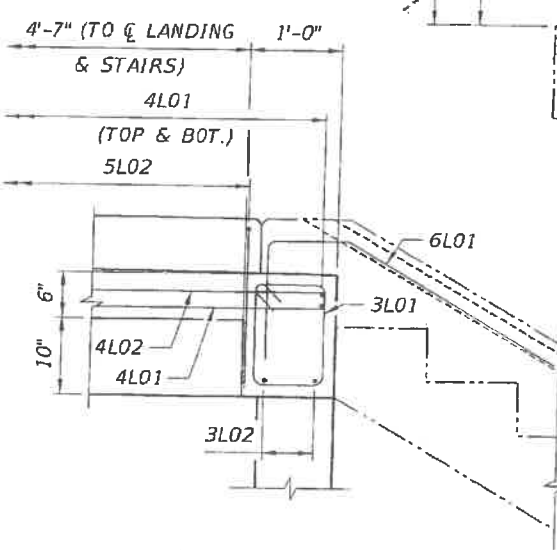


SECTION D-D
(WALL REINFORCEMENT NOT SHOWN FOR CLARITY)

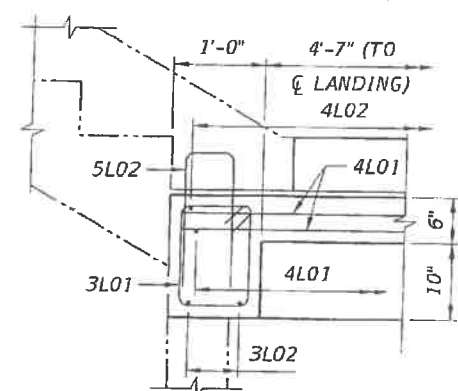
- NOTES:**
1. FOR ADDITIONAL STAIR INFORMATION, SEE NORTH LANDING DETAILS DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS OTHERWISE NOTED.
 4. FOR CURB DETAILS, SEE MISSILE GUARD FENCE AND RAILING DETAILS DRAWING.



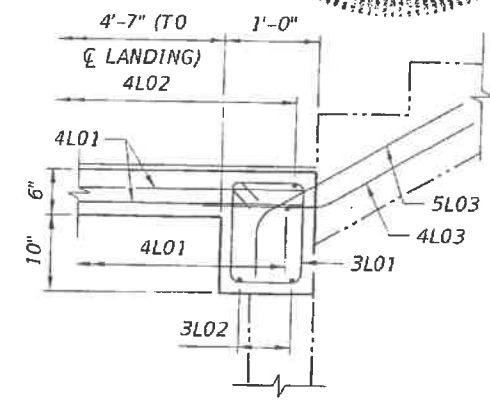
PLAN



VIEW E-E
(WALL REINFORCEMENT NOT SHOWN FOR CLARITY)



VIEW F-F



SECTION G-G

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: JDS/ENH
 DESIGNED BY: JDS/ENH
 CHECKED BY: MF

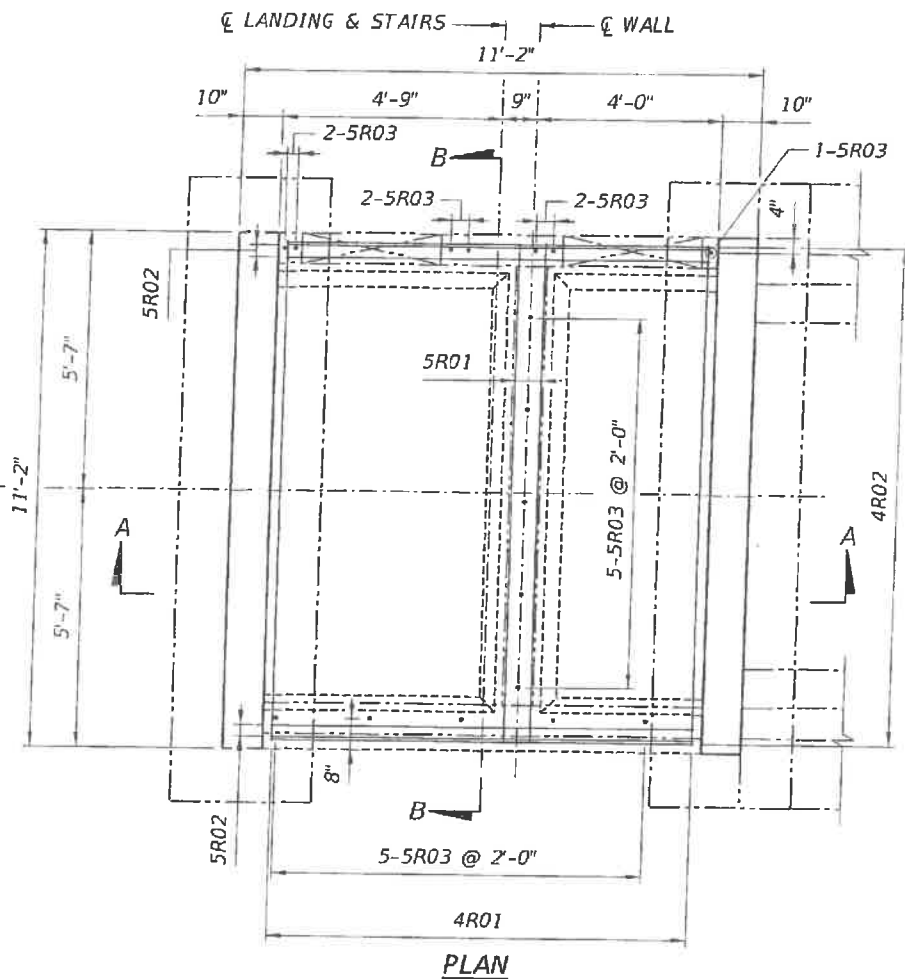
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID PROJECT NAME

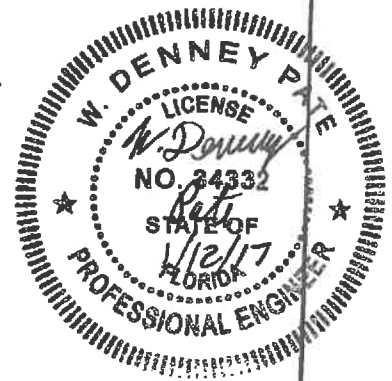
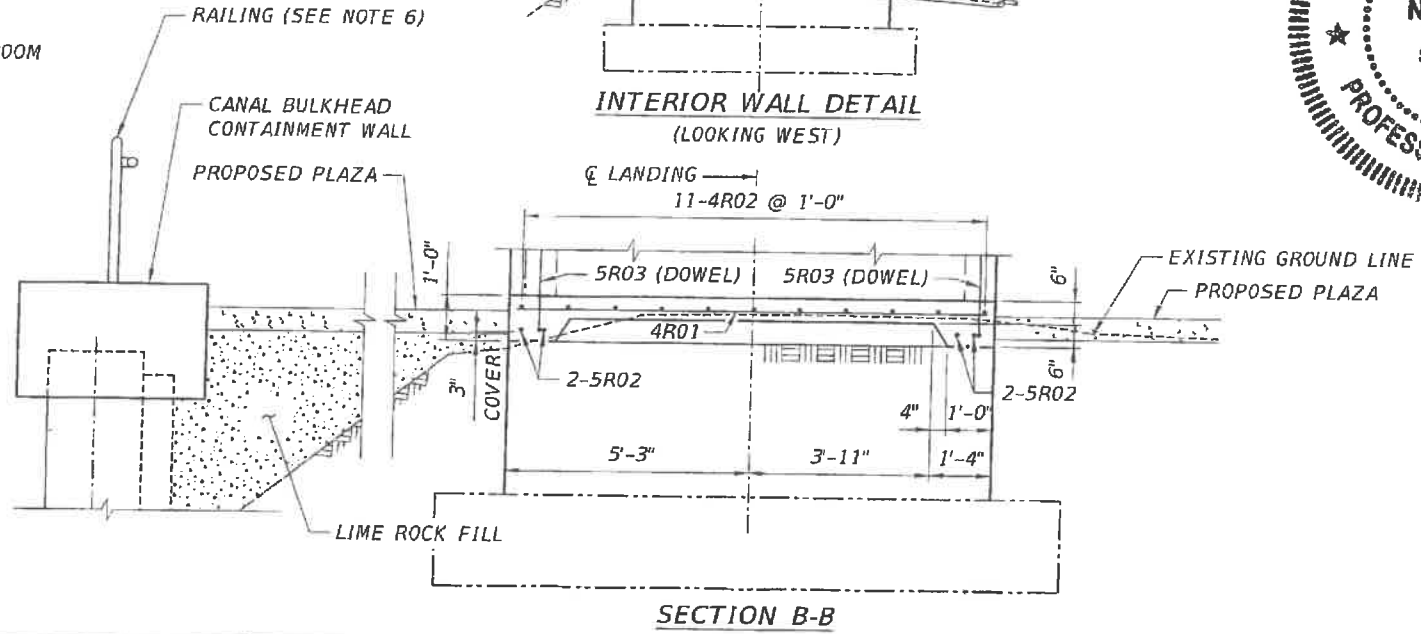
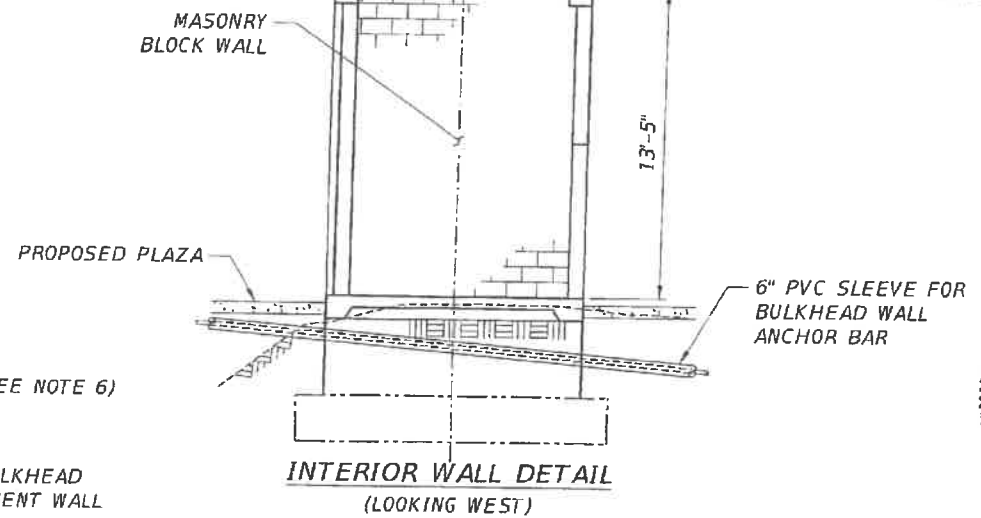
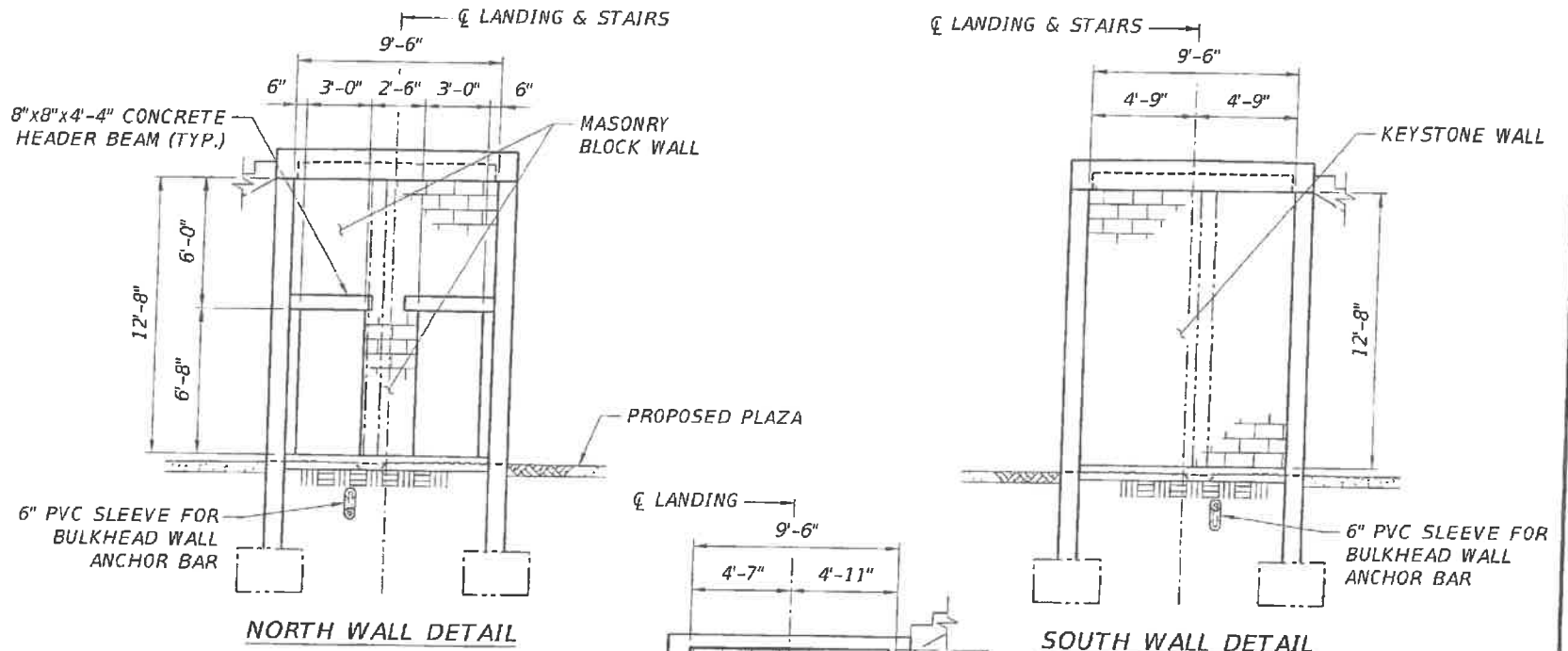
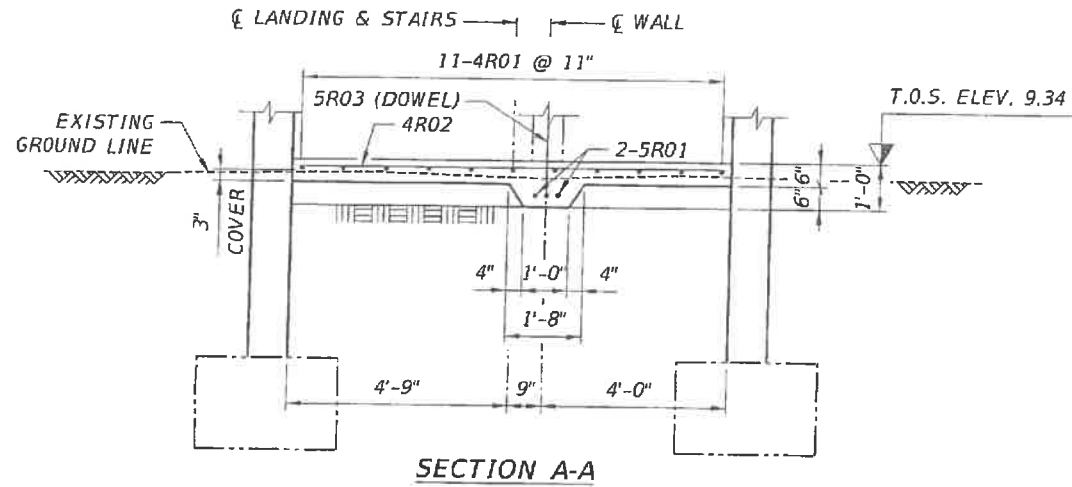
MIAMI-DADE 434688-1-58-01 UNIVERSITYCITY PROSPERITY PROJECT

SHEET TITLE:
**NORTH LANDING - ELECTRICAL ROOM
 DIMENSIONS AND REINFORCEMENT (1 OF 2)**

SHEET NO.
 8-85

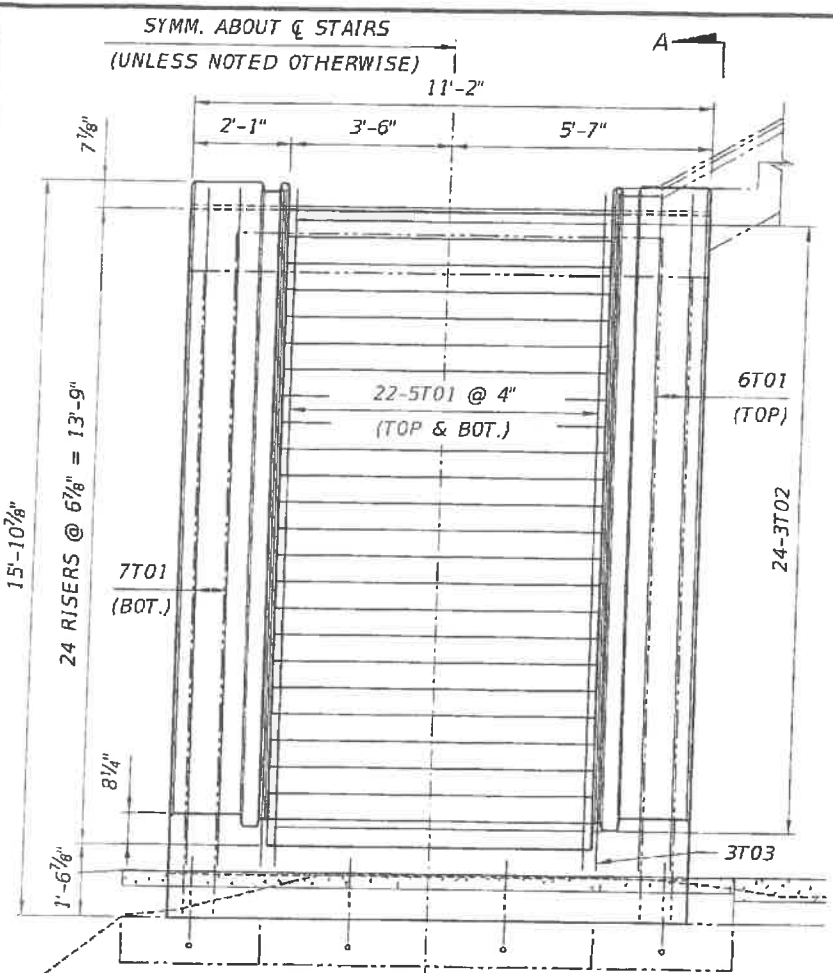


- NOTES:**
1. FOR ADDITIONAL INFORMATION, SEE NORTH LANDING LAYOUT DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 2" UNLESS OTHERWISE NOTED.
 4. T.O.S. DENOTES TOP OF SLAB.
 5. EXTERIOR MASONRY WALL SHALL BE RECESSED IN ORDER TO PROVIDE ROOM FOR PLASTER.
 6. FOR RAILING DETAILS, SEE BULKHEAD/RETAINING WALL PLANS.

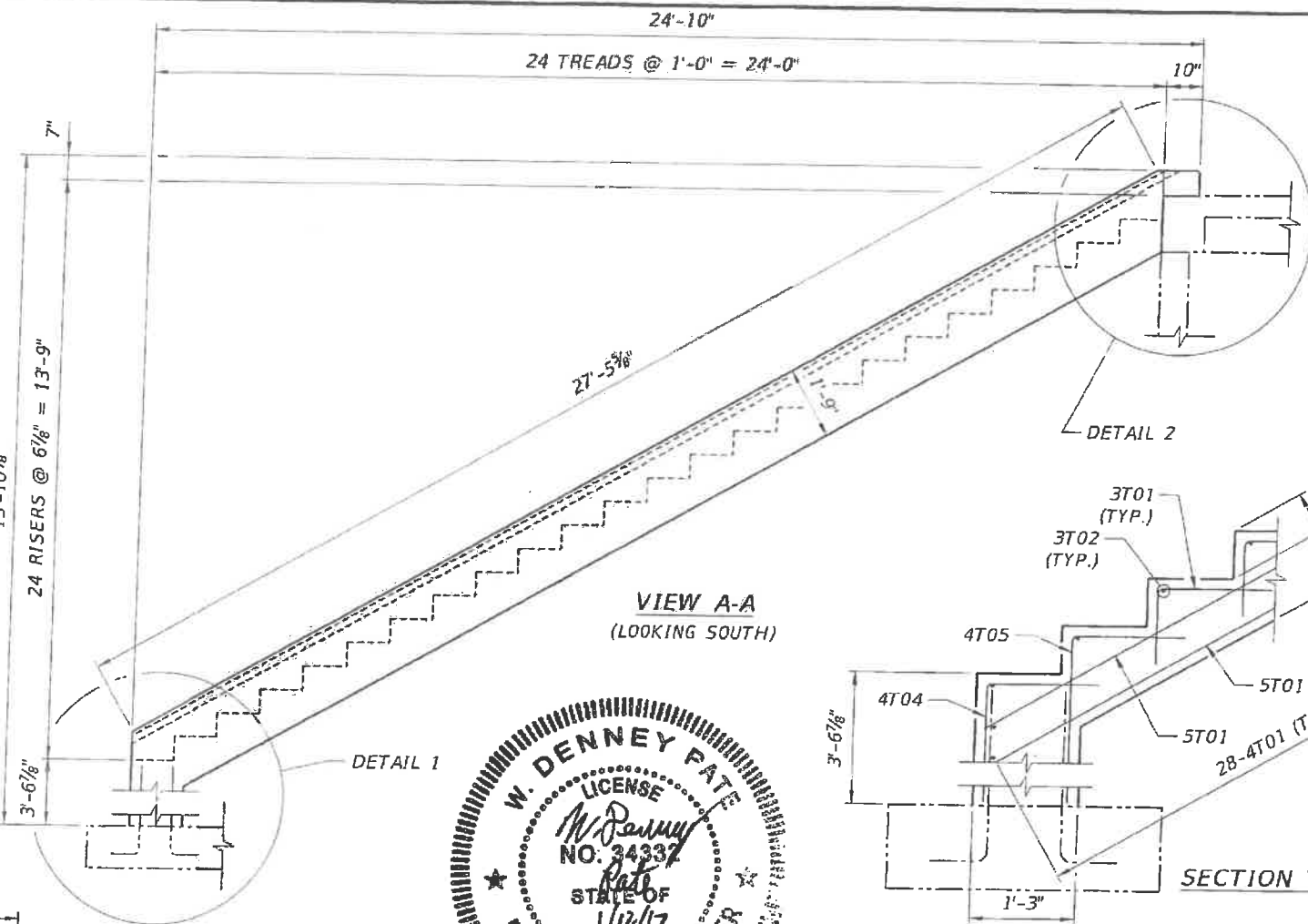


REVISIONS						ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FIGG		DCB	NORTH LANDING - ELECTRICAL ROOM		
						424 North Calhoun Street Tallahassee, Florida 32301		ENH	DIMENSIONS AND REINFORCEMENT (2 OF 2)		
						FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		ENH	ROAD NO.	COUNTY	PROJECT ID
								MF	MIAMI - DADE	FLORIDA	434688-1-58-01
										PROJECT NAME:	UNIVERSITYCITY PROSPERITY PROJECT
											SHEET NO. B-86

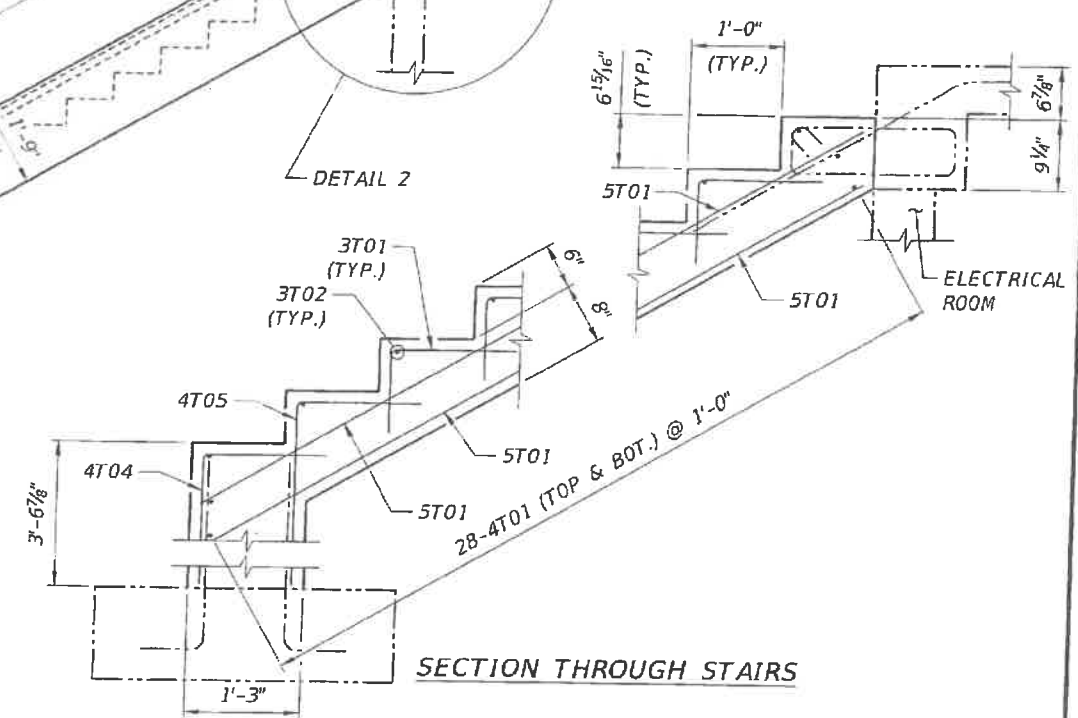
- NOTES:**
1. FOR ADDITIONAL STAIR INFORMATION, SEE NORTH LANDING DETAILS DRAWING.
 2. FOR BAR LIST, SEE SUBSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. CONCRETE COVER IS 1 1/2" UNLESS OTHERWISE NOTED.



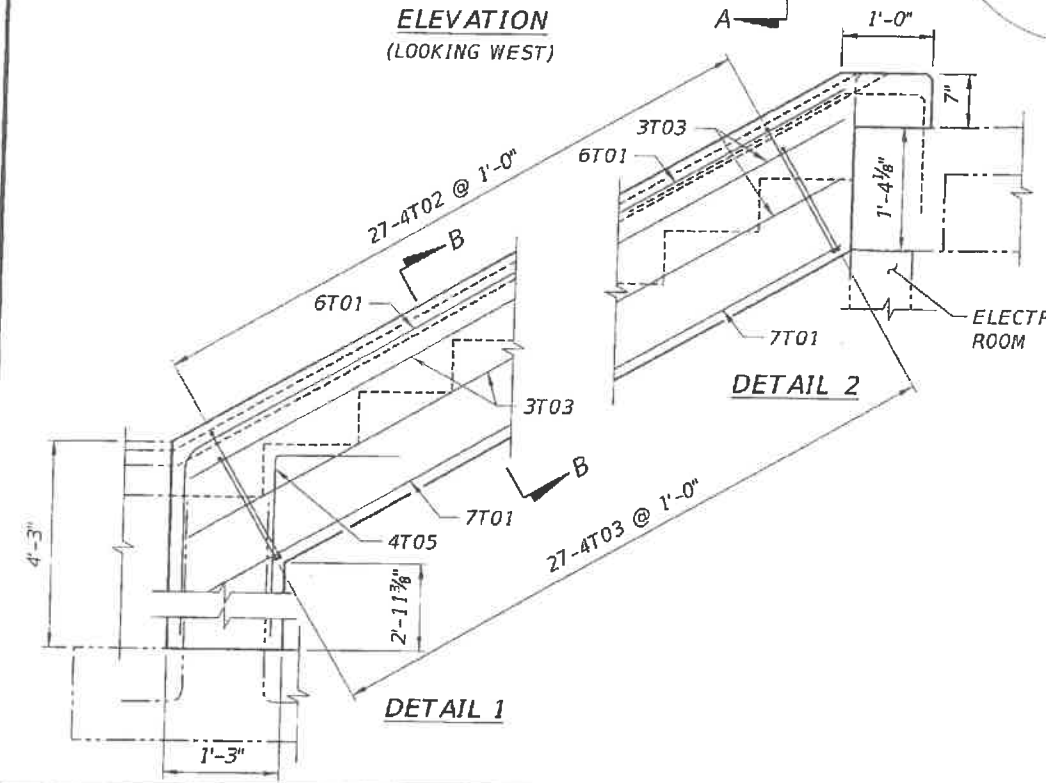
ELEVATION
(LOOKING WEST)



VIEW A-A
(LOOKING SOUTH)

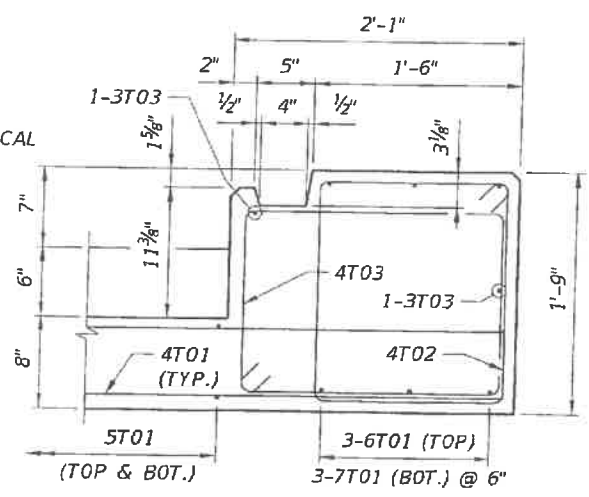


SECTION THROUGH STAIRS



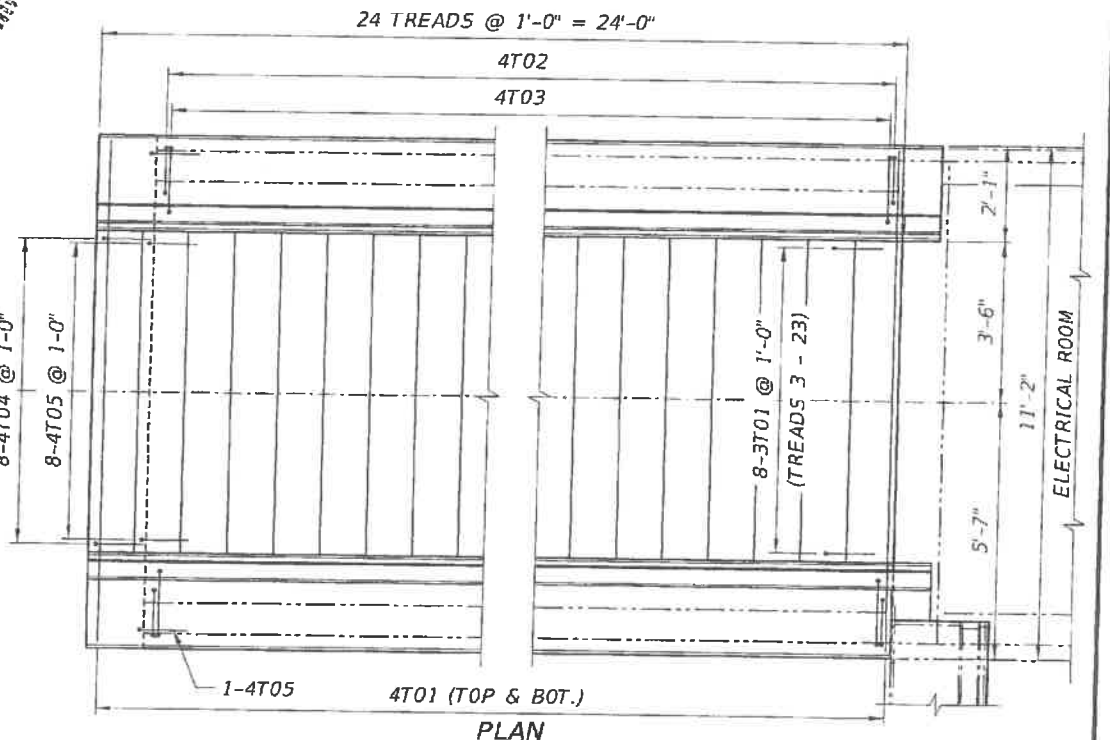
DETAIL 1

DETAIL 2



PARTIAL SECTION B-B
(RISER REINFORCEMENT NOT SHOWN FOR CLARITY)

SYMM. ABOUT & STAIRS
(UNLESS NOTED OTHERWISE)



PLAN



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

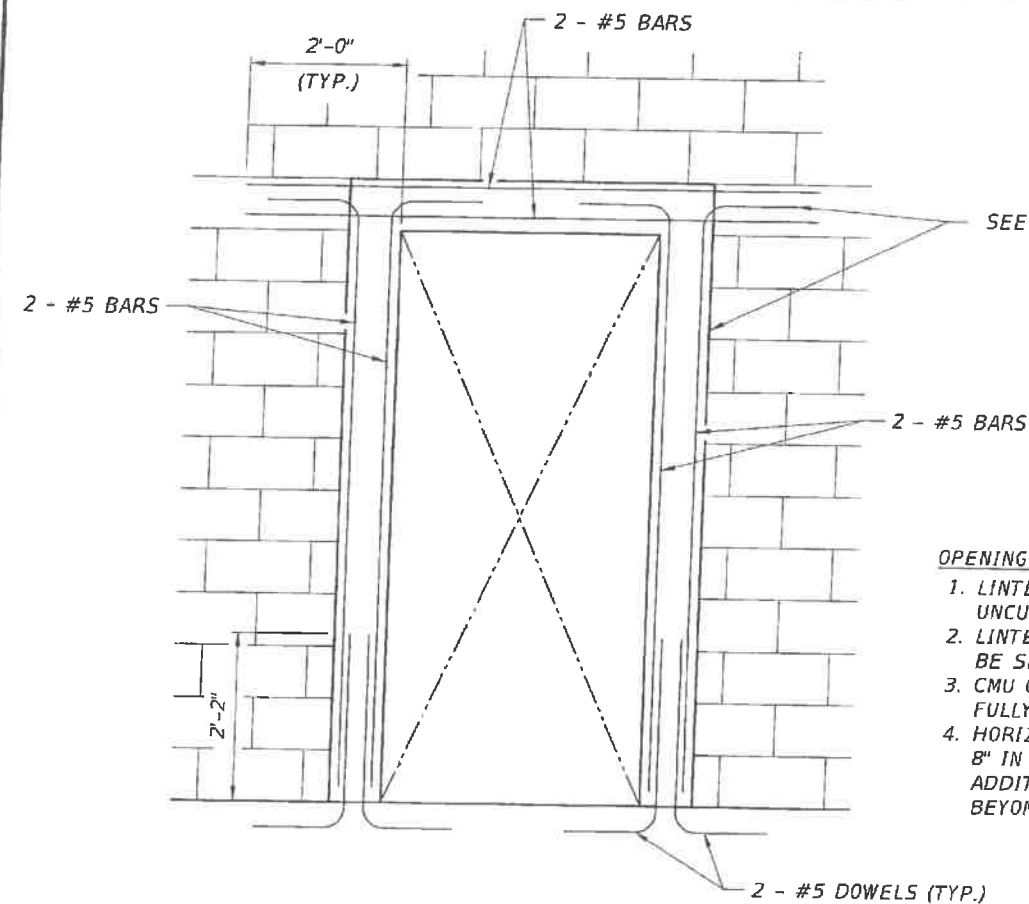
ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

SHEET TITLE: NORTH LANDING - LOWER STAIRS DIMENSIONS AND REINFORCEMENT
 PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT
 SHEET NO.: B-87

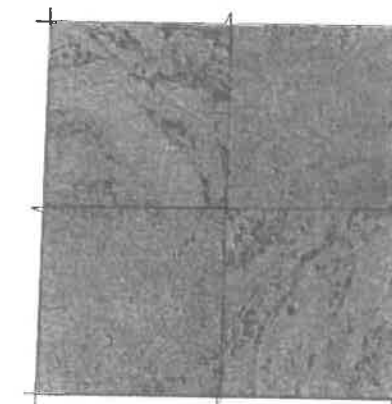


SEE BOND BEAM, LINTEL & JAMB DETAIL

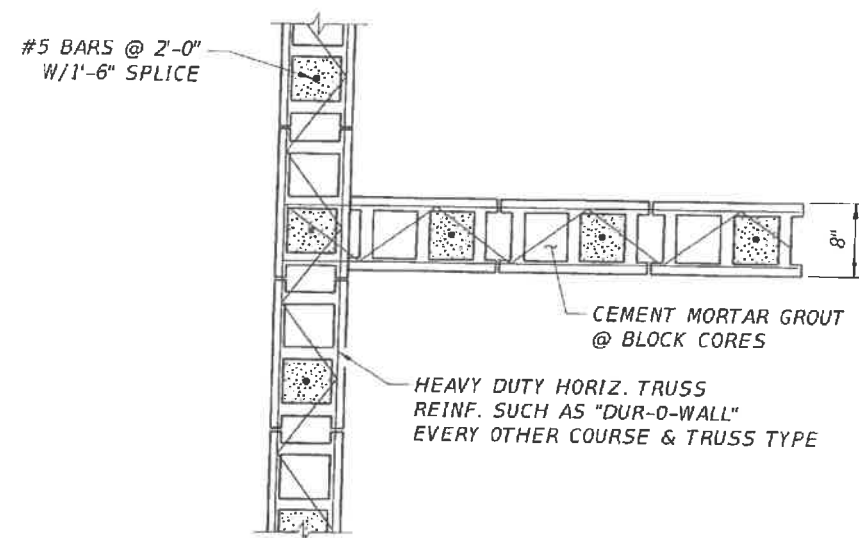
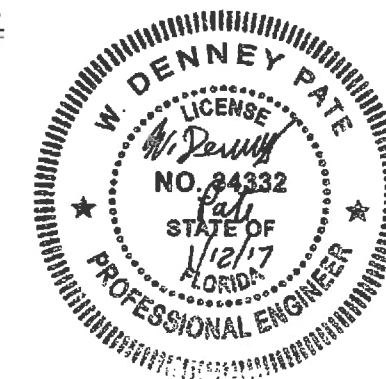
OPENING NOTES:

1. LINTEL SHALL EXTEND UNTIL IT BEARS ON HALF OF UN-CUT CMU (MIN. 8").
2. LINTELS FOR OPENINGS LARGER THAN 6'-0" SHALL BE SHORED.
3. CMU CELL(S) ADJACENT TO OPENINGS SHALL BE FULLY GROUTED, EVEN IF UNREINFORCED.
4. HORIZONTAL JOINT REINFORCEMENT SHALL BE @ 8" IN 2 JOINTS ABOVE LINTELS AND BELOW SILLS; ADDITIONAL REINFORCEMENT SHALL EXTEND 2'-0" BEYOND OPENINGS.

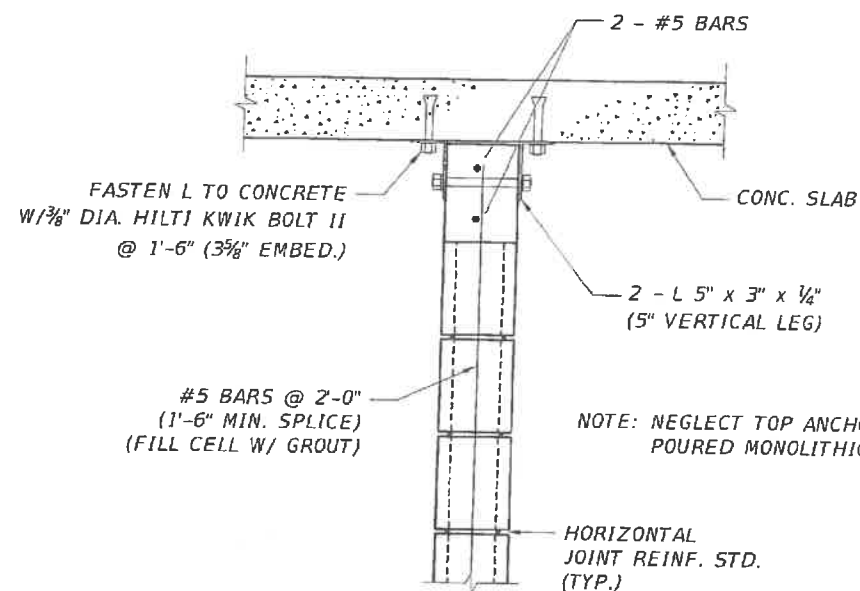
TYPICAL DOOR OPENING AT CMU WALL DETAIL
(NOT TO SCALE)



KEYSTONE WALL DETAIL

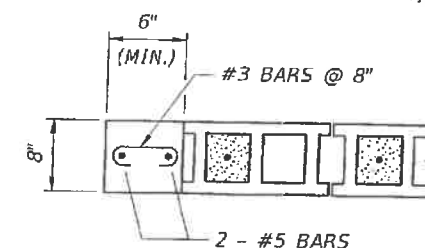


CMU WALL HORIZONTAL REINFORCEMENT
(NOT TO SCALE)



TYPICAL CMU BELOW LANDING SLAB
(NOT TO SCALE)

NOTE: NEGLECT TOP ANCHORAGE IF SLAB IS POURED MONOLITHIC WITH CAP BEAM.



JAMB DETAIL
(NOT TO SCALE)

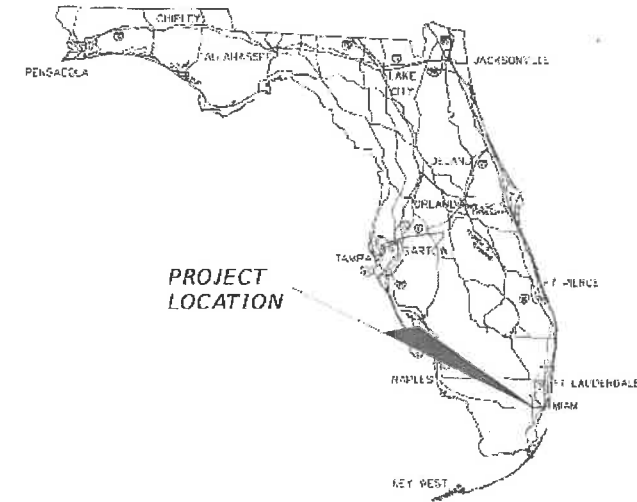
NOTES:

1. MISCELLANEOUS REBARS SHOWN ON THIS DRAWING ARE NOT INCLUDED IN THE BAR LIST DRAWINGS.
2. PROVIDE HOLLOW METAL DOORS AND HOLLOW METAL FRAMES FILLED WITH GROUT IN ACCORDANCE WITH FIU BUILDING STANDARDS DIVISION 8.
3. FOR DOOR HARDWARE, SEE FIU FINISH SPECIFICATIONS SECTION 08 71 00 HARDWARE GROUP NO. 21.
4. PROVIDE TERMITE PROTECTION FOR ALL ROOM AND STAIR FOUNDATIONS IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1816.

REVISIONS						ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818 W. DENNEY PATE, P.E. - P.E. NO. 34332		LTC CHECKED BY: MF DESIGNED BY: ENH CHECKED BY: MF		 FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI-DADE 434688-1-58-01	
										MISCELLANEOUS LANDING DETAILS UNIVERSITYCITY PROSPERITY PROJECT	
											SHEET NO. R-88

FLORIDA INTERNATIONAL UNIVERSITY AND CITY OF SWEETWATER UNIVERSITY CITY R.F.C. SUPERSTRUCTURE PLANS

FINANCIAL PROJECT ID - 434688-1-58-01
CONTRACT BT-904
MIAMI-DADE COUNTY
UNIVERSITY CITY PROSPERITY PROJECT

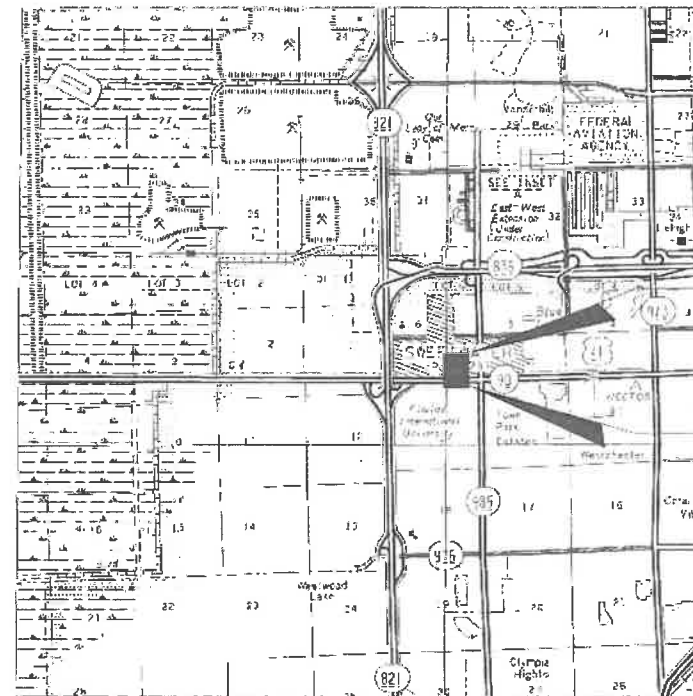
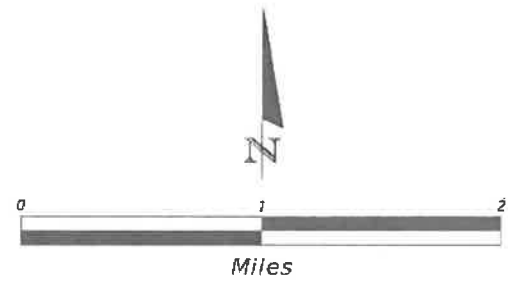


PROJECT LOCATION

INDEX OF PROJECT PLANS

SHEET NO. SHEET DESCRIPTION

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HB-01 THRU HB-03	HARDSCAPE
IB-01 THRU IB-05	IRRIGATION
B-1 THRU B-110	STRUCTURAL PLANS
R-1 THRU R-49	ROADWAY
CLT-1 THRU CLT-3	PROJECT SURVEY CONTROL
S-1 THRU S-5	SIGNING AND PAVEMENT MARKING
T-1 THRU T-5	SIGNALIZATION
BW-0 THRU BW-14	WALL W-1
TW-1 THRU TW-2	TEMPORARY CRITICAL WALL
M-00 THRU M-05	MECHANICAL
E-00 THRU E-10	ELECTRICAL
P-00 THRU P-02	PLUMBING



LOCATION MAP
SECTION 5 & 6, TOWNSHIP 55 SOUTH, RANGE 39 EAST
MIAMI-DADE COUNTY, FLORIDA

PREPARED FOR:



PLANS PREPARED BY:



424 North Calhoun Street
Tallahassee, Florida 32301
Tel. (850) 224-7400
Florida Certificate of Authorization 5618

STRUCTURAL PLANS
ENGINEER OF RECORD

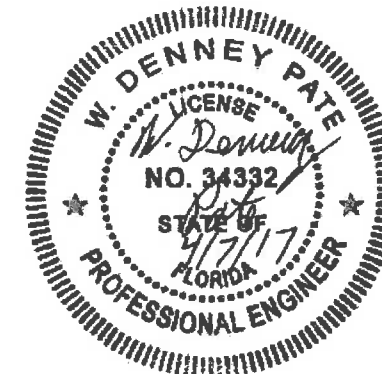
W. DENNEY PATE, P.E.
LICENSE NUMBER 34332

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2015, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2015, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01-01-15

For Design Standards Modification Click on "Design Standards" at the following web site:
<https://www.dot.state.fl.us/rddesign/>

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

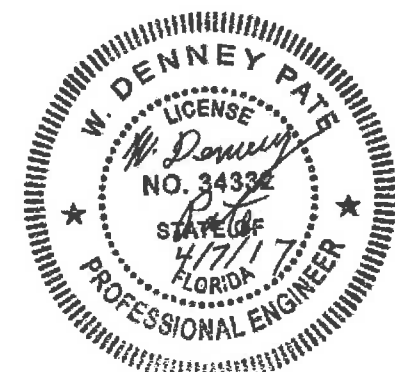
FISCAL YEAR	SHEET NO.
16	1

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	B-2	GENERAL NOTES (1 OF 2)	*	B-58	CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE IV
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	B-17	NORTH LANDING FOOTING DETAILS (3 OF 5) TYPE 8		B-73	SOUTH LANDING BENT DIMENSIONS AND REINFORCEMENT
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	B-25	PYLON DIAPHRAGM DIMENSIONS AND REINFORCEMENT (4 OF 4)		B-83	NORTH LANDING - COLUMN AND UPPER LANDING DIMENSIONS AND REINFORCEMENT
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	B-35	SUBSTRUCTURE REINFORCEMENT BAR LIST (9 OF 10)		B-93	ELEVATOR NORTH TOWER DETAILS (1 OF 2)
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*	B-54	CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE II			
*	B-55	CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II			

NOTES:

* SHEETS INCLUDED IN THIS SUBMITTAL

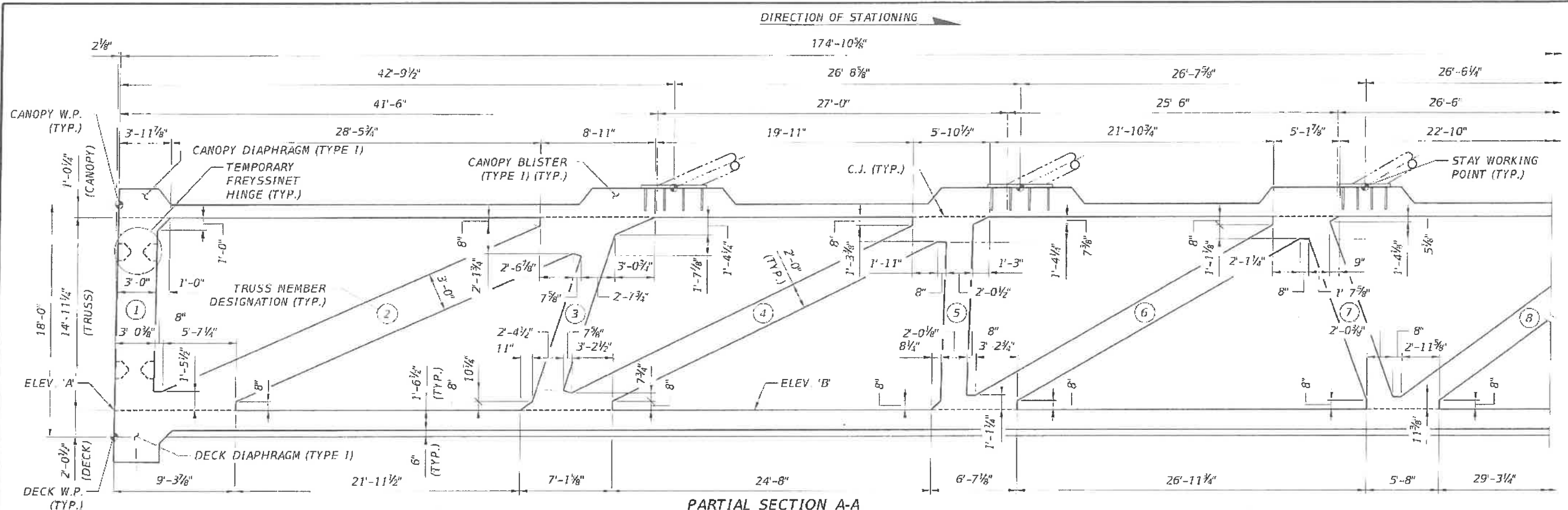


REVISIONS					ENGINEER OF RECORD:	DRAWN BY:	CHECKED BY:	DESIGNED BY:	INCHES BY:	SHEET TITLE:			PROJECT NAME:	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY						DESCRIPTION	ROAD NO.	COUNTY		
						DCB						INDEX OF DRAWINGS		
						MF						UNIVERSITYCITY PROSPERITY PROJECT	B-1	

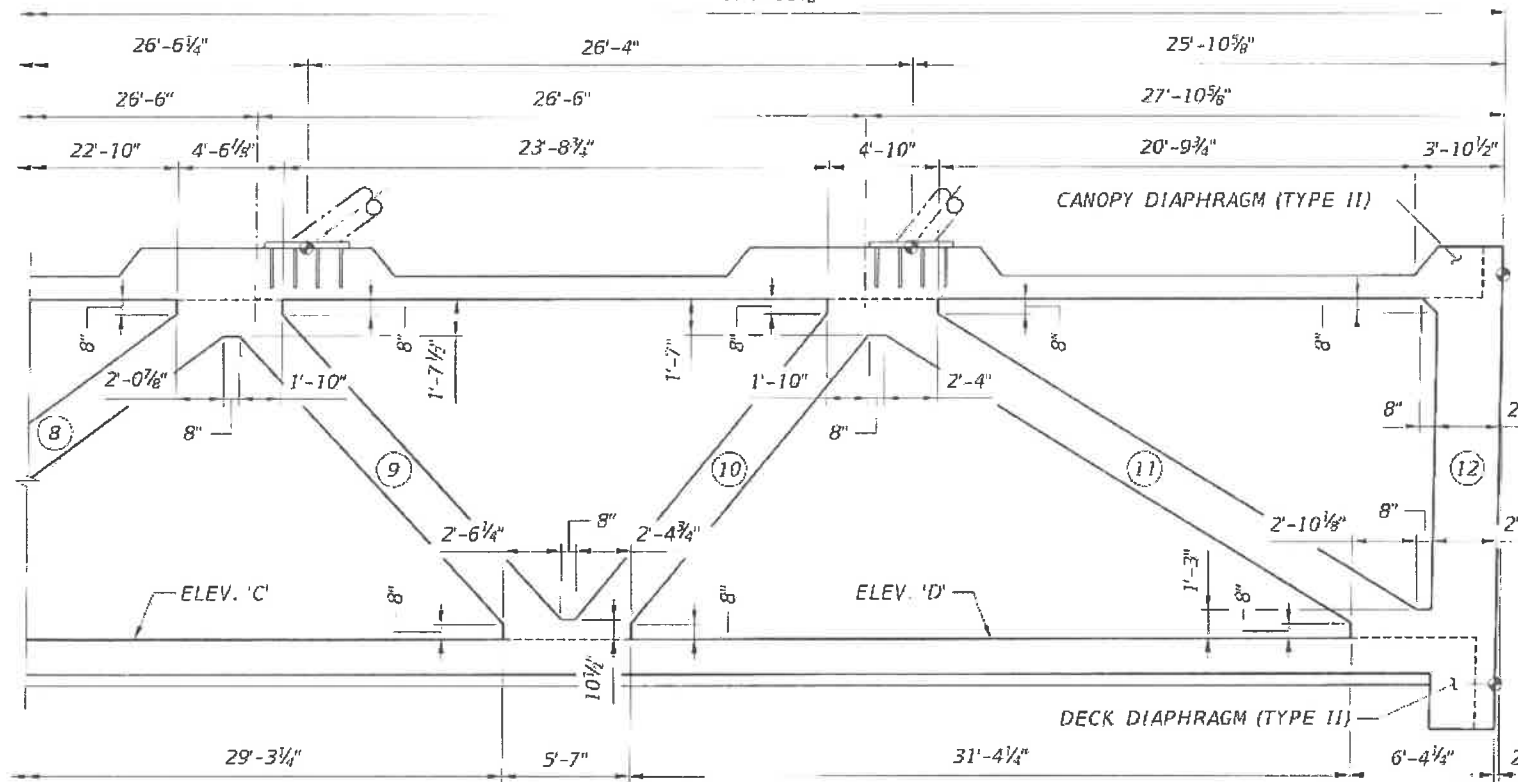

FIGG
 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

ROAD NO. _____ COUNTY _____ PROJECT ID _____
 MIAMI - DADE 434688-1-58-01

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT
 SHEET NO.: B-1
 PLOTTED BY: Jcavalan
 DATE: 4/17/2017
 TIME: 1:14:11 PM
 FILE: G:\434688\15801.ctb\ctb\B1Index01.SP.dgn



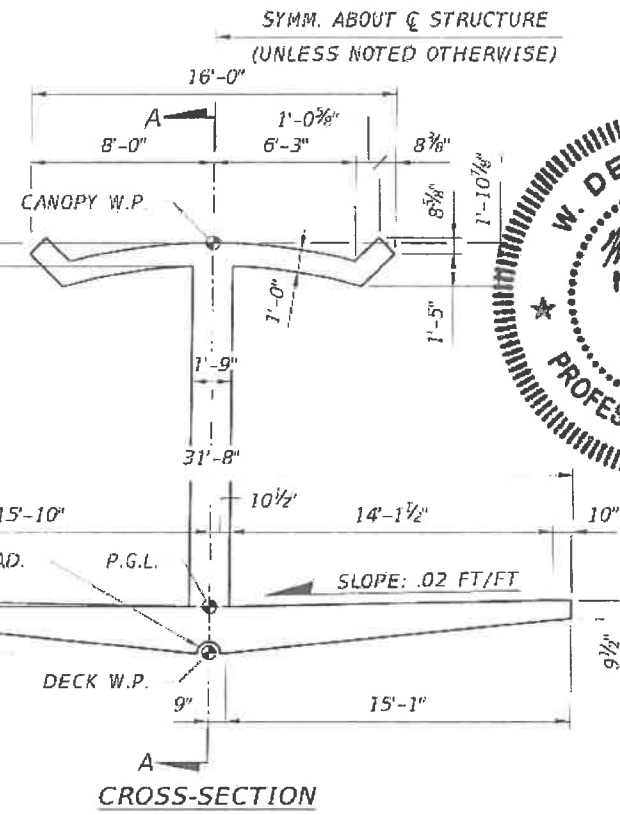
PARTIAL SECTION A-A



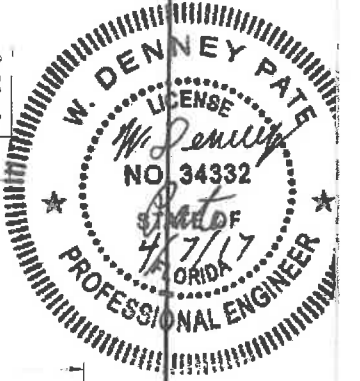
PARTIAL SECTION A-A

MAIN SPAN - PRECAST		
LOCATION	STA.	ELEV. (FT)
A	10+00.00	30.693
B	10+50.75	31.200
C	11+17.00	31.863
D	11+53.00	32.223


- NOTES:
1. APPROXIMATE LIFTING WEIGHT OF TRUSS SYSTEM = 950 TONS.
 2. FOR TEMPORARY FREYSSINET HINGE DETAILS, SEE MAIN SPAN TRUSS SYSTEM REINFORCEMENT (1 OF 2) DRAWING.
 3. CONCRETE FINISH SHALL BE CLASS 3 SURFACE FINISH IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 400-15.2.4.
 4. DECK ELEVATIONS ARE LOCATED ALONG P.G.L.



CROSS-SECTION



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: MF
 DESIGNATED BY: EDL
 CHECKED BY: MF

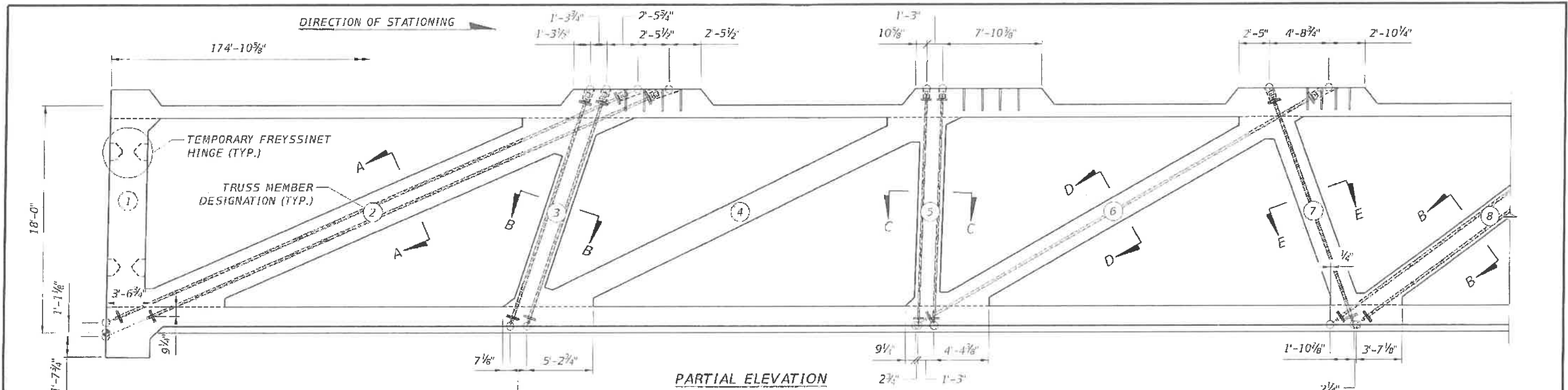
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
 91A41-DADE 434688-1-58-01

SHEET TITLE: MAIN SPAN TRUSS SYSTEM LAYOUT

PROJECT NAME: UNIVERSITY CITY PROSPERITY PROJECT

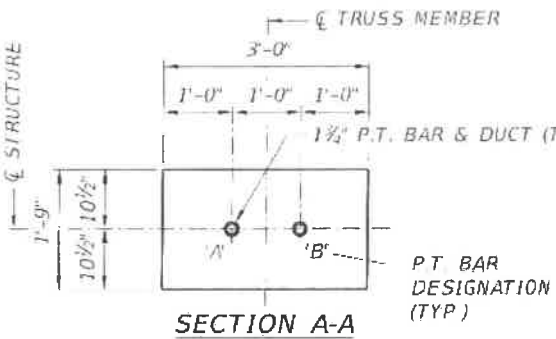
SHEET NO. B-37



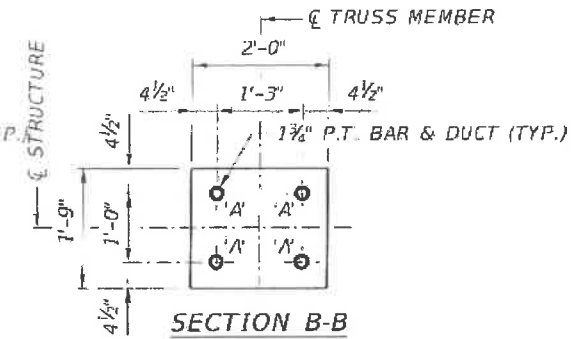
PARTIAL ELEVATION

NOTES:

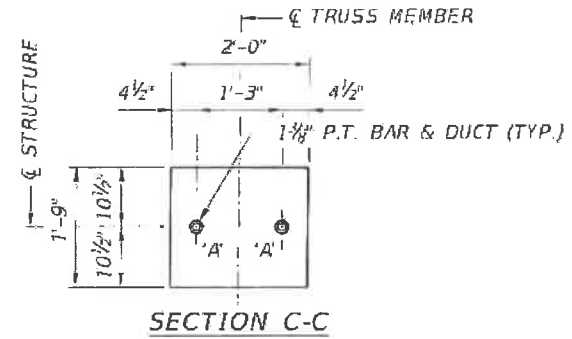
1. FOR P.T. BAR ANCHOR DETAILS, SEE BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS DRAWING.
2. MINIMUM CONCRETE STRENGTH REQUIRED PRIOR TO STRESSING P.T. BARS = 6000 PSI.
3. ALL 1 3/4" DIA. P.T. BARS WILL HAVE AN 5"x10" ANCHOR PLATE.
4. ALL 1 3/4" DIA. P.T. BARS WILL HAVE AN 8"x12" ANCHOR PLATE.
5. ALL 2 1/2" DIA. P.T. BARS WILL HAVE AN 12"x14" ANCHOR PLATE.
6. VERIFY P.T. BAR FORCE WITH LIFT OFF TEST.
7. FOR P.T. BAR QUANTITIES AND STRESSING FORCES, SEE POST-TENSIONING SCHEDULE DRAWING.
8. P.T. BARS IN MEMBERS 2 & 11 WILL NOT BE GROUTED AND WILL BE DESTRESSED AFTER MAIN SPAN CONSTRUCTION IS COMPLETE. DO NOT REMOVE BARS.
9. FOR TEMPORARY FREYSSINET HINGE DETAILS, SEE MAIN SPAN TRUSS SYSTEM REINFORCEMENT (1 OF 2) DRAWING.



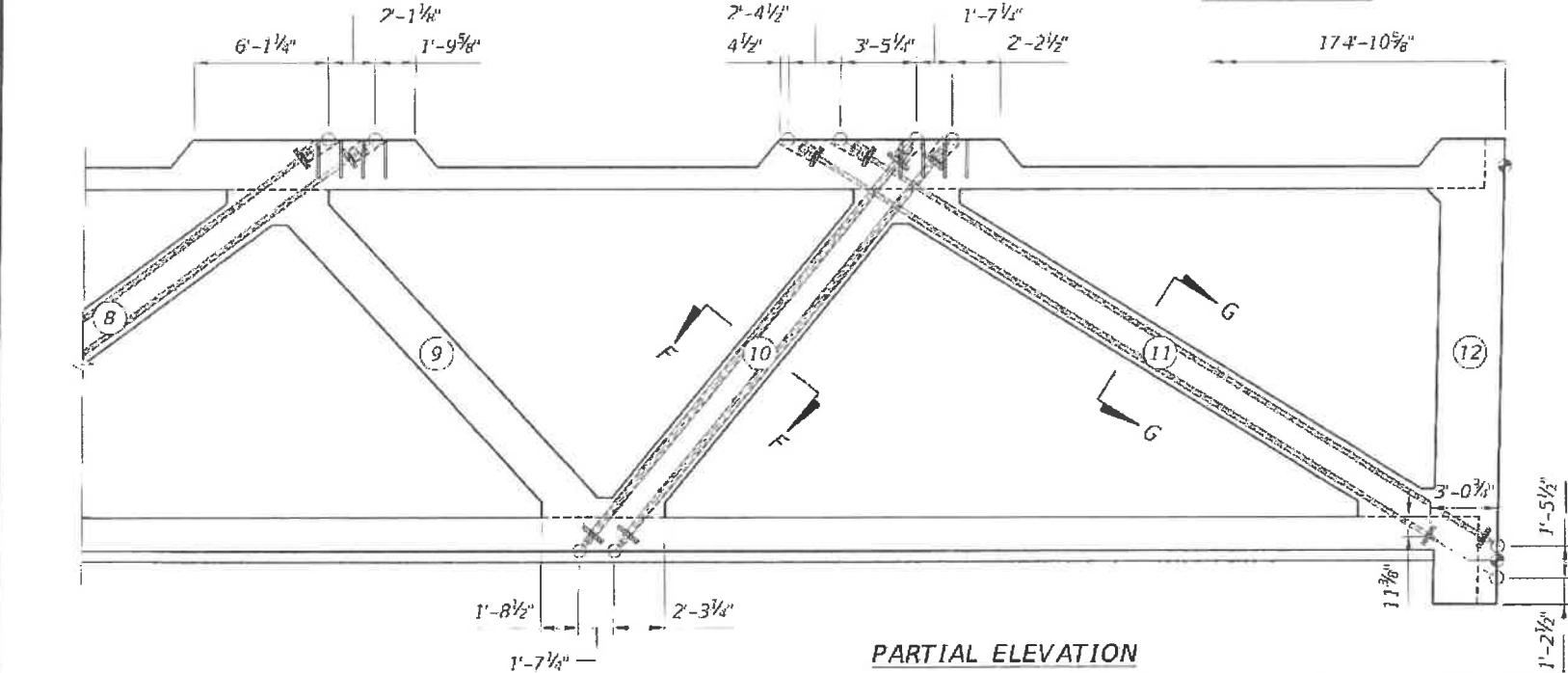
SECTION A-A



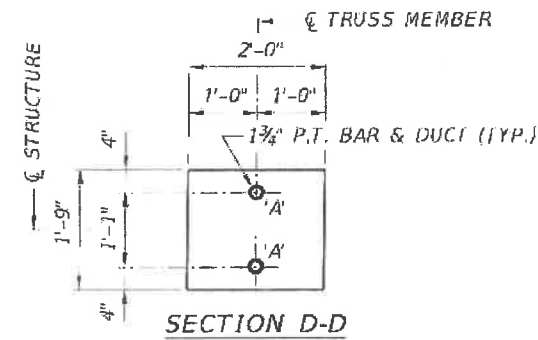
SECTION B-B



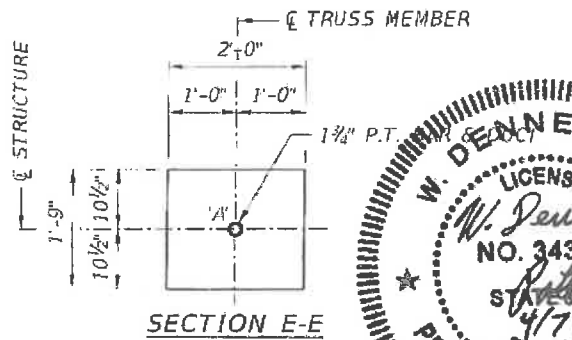
SECTION C-C



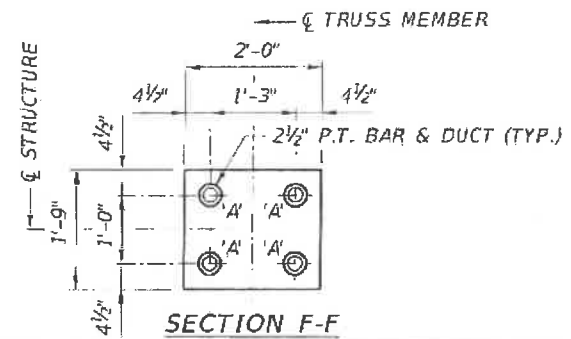
PARTIAL ELEVATION



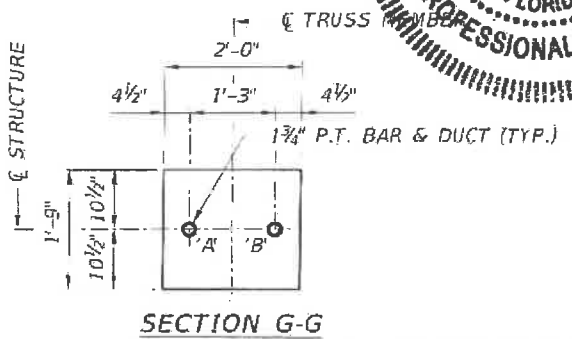
SECTION D-D



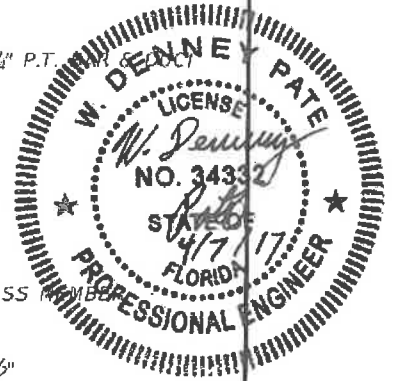
SECTION E-E



SECTION F-F



SECTION G-G



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
FIGG
 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: EDL
 DESIGNED BY: EDL
 CHECKED BY: MF

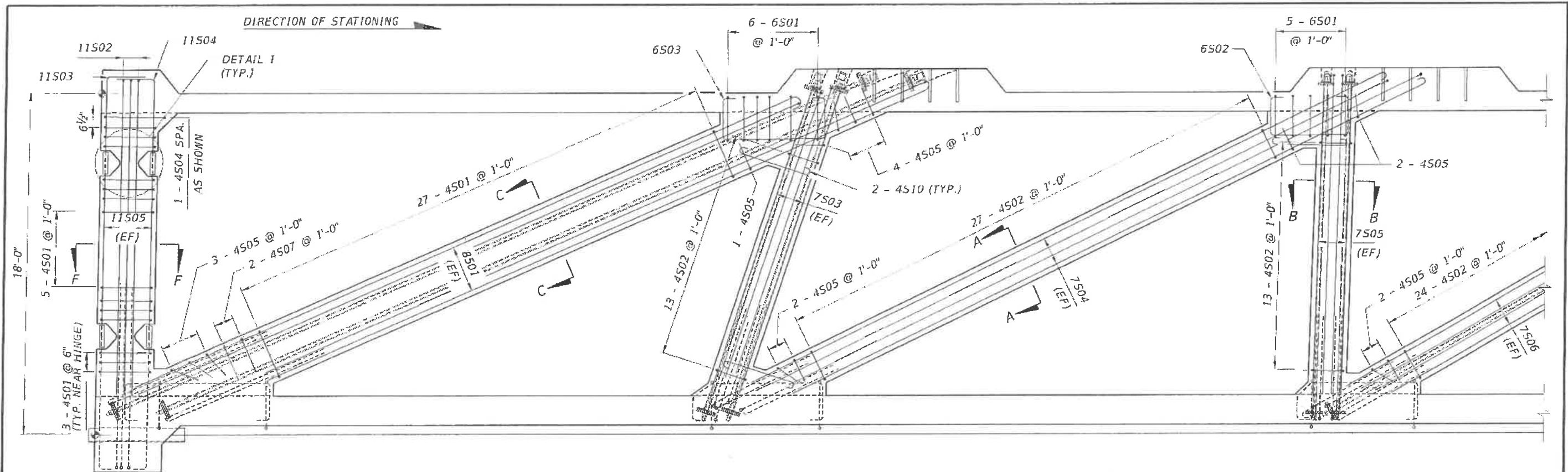
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. MIAMI-DADE PROJECT ID 434688-1-58-01

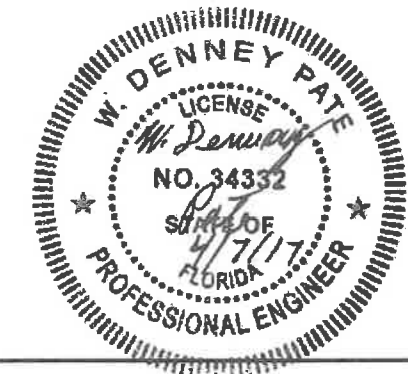
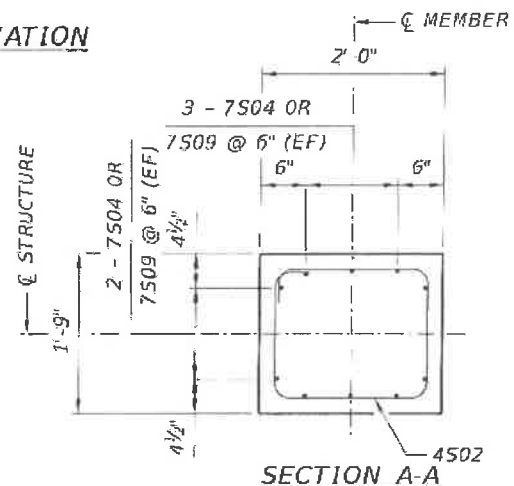
PROJECT NAME: MAIN SPAN TRUSS SYSTEM P.T. BAR DETAILS

UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-38



PARTIAL ELEVATION



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: MF
 DESIGNED BY: EDL
 CHECKED BY: MF

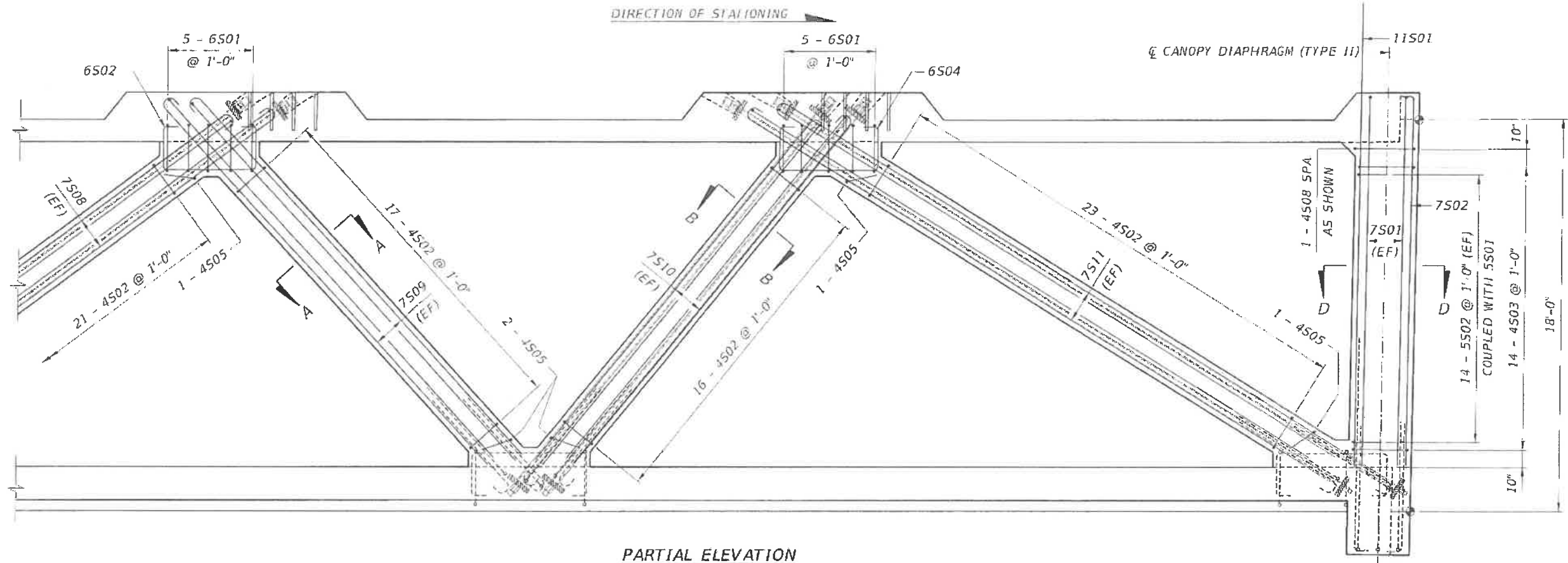
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO.: MIAMI-DADE COUNTY PROJECT ID: 434688-1-58-01

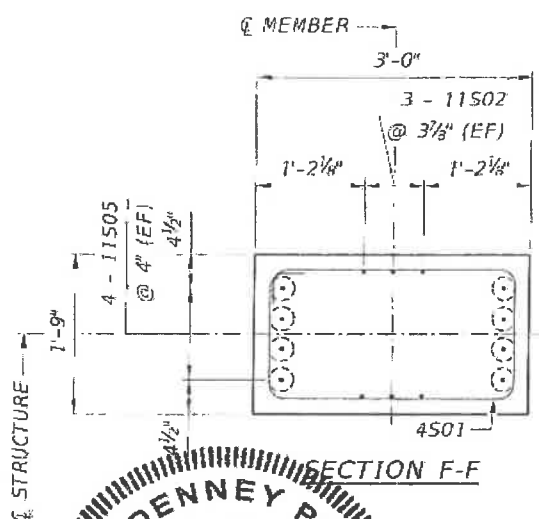
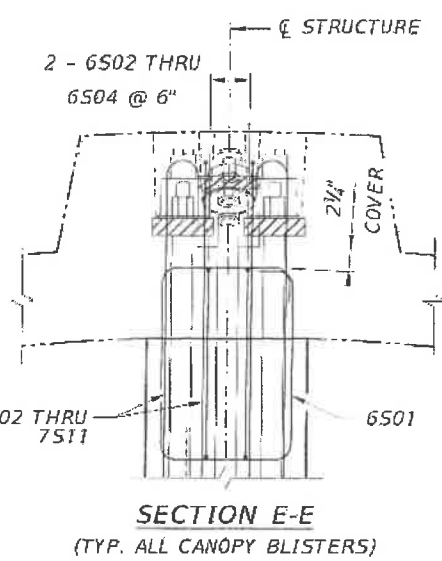
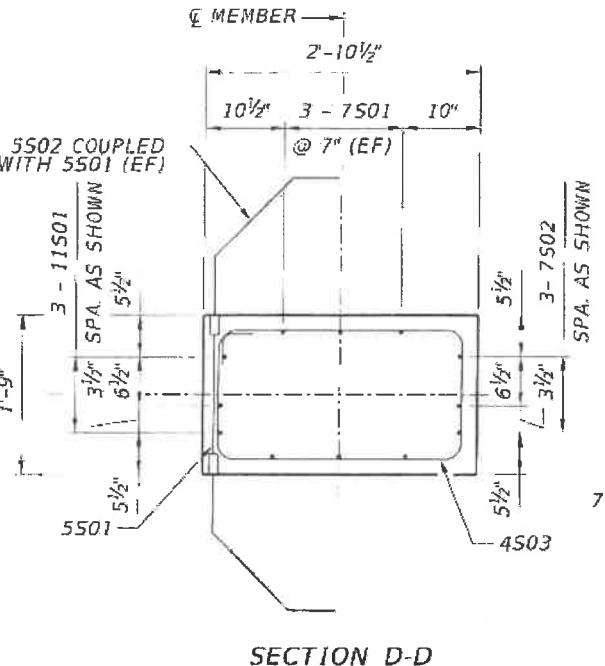
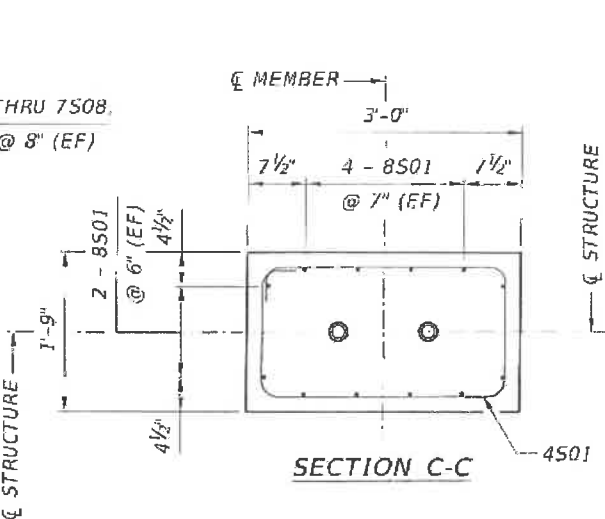
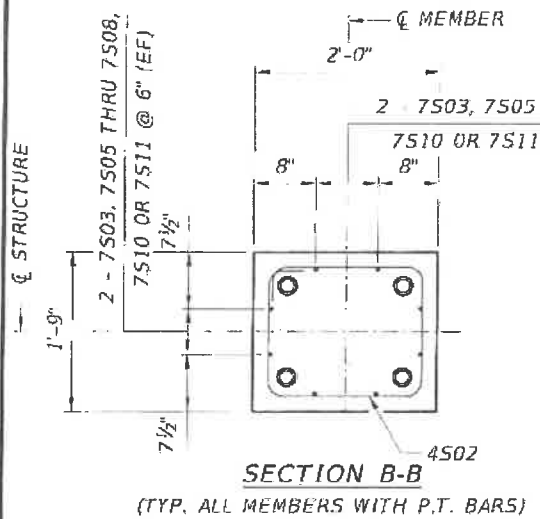
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

SIZE: TITLE: MAIN SPAN TRUSS SYSTEM REINFORCEMENT (1 OF 2)

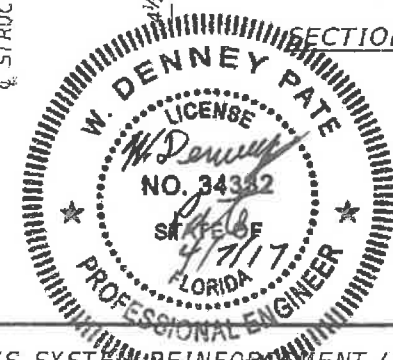
SHEET NO.: B-39



PARTIAL ELEVATION



- NOTES:
1. CONCRETE COVER IS 2", UNLESS NOTED OTHERWISE.
 2. FOR P.T. BAR SIZE AND DETAILS, SEE BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS SHEET.
 3. FOR DECK REINFORCEMENT, SEE DECK REINFORCEMENT AND P.T. MAIN SPAN SHEETS.
 4. FOR CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT AND P.T. MAIN SPAN SHEETS.
 5. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST SHEETS.
 6. SHOP DRAWINGS ARE REQUIRED FOR FORMING DETAILS.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818
 W. DENNEY PATE, P.E. - P.E. NO. 34382

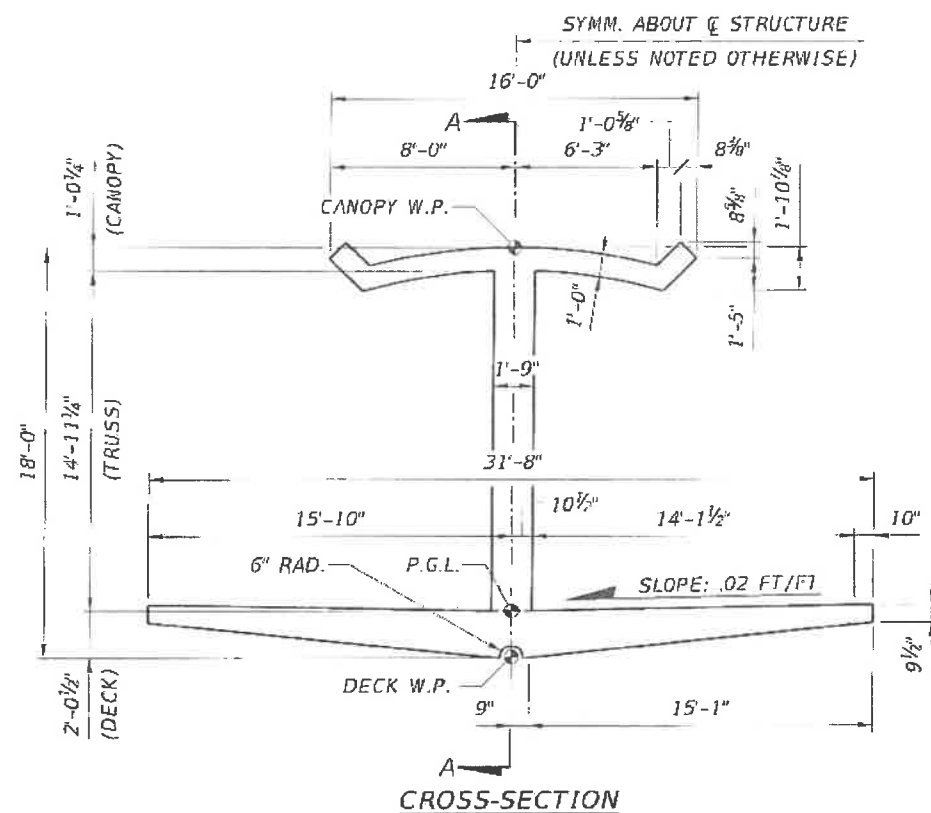
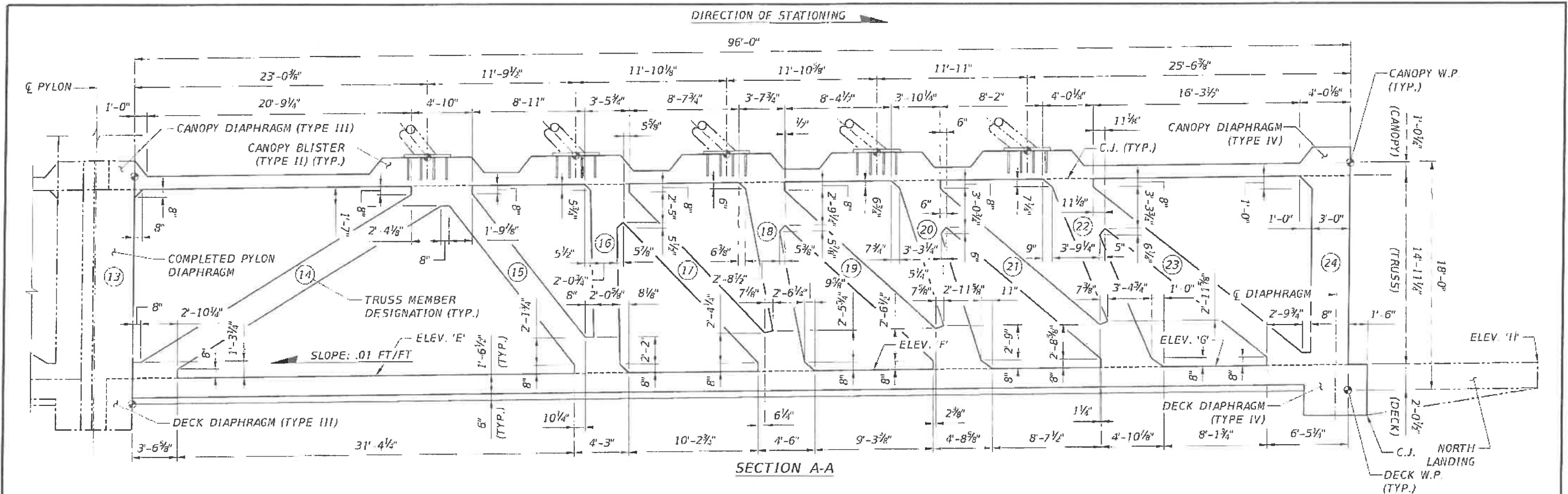
DRAWN BY: DCB
 CHECKED BY: MF
 DESIGNED BY: EDI
 CHECKED BY: MF

ROAD NO. MIAMI-DADE COUNTY PROJECT ID 434688-1-58-01

SHEET NO. F. MAIN SPAN TRUSS SYSTEM REINFORCEMENT (2 OF 2)

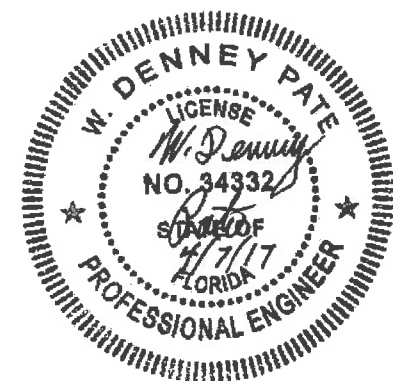
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-40




BACK SPAN		
LOCATION	STA.	ELEV. (FT)
E	11+97.25	32.665
F	12+36.50	33.058
G	12+63.50	33.328
H	12+89.00	33.583

- NOTES:
1. DIMENSIONS SHOWN ARE ALONG \bar{C} OF TRUSS.
 2. TRUSS DIMENSIONS ARE MEASURED ALONG THE LONGITUDINAL SLOPE
 3. FOR CONCRETE COMPRESSIVE STRENGTH, SEE GENERAL NOTES DRAWING.
 4. FOR CONSTRUCTION SEQUENCE AND DETAILS OF THE BACK SPAN, SEE CONSTRUCTION SEQUENCE (1 OF 2) AND (2 OF 2) DRAWINGS.
 5. CONCRETE FINISH SHALL BE CLASS 3 SURFACE FINISH IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 400-15.2.4.
 6. DECK ELEVATIONS ARE LOCATED ALONG P.G.L.

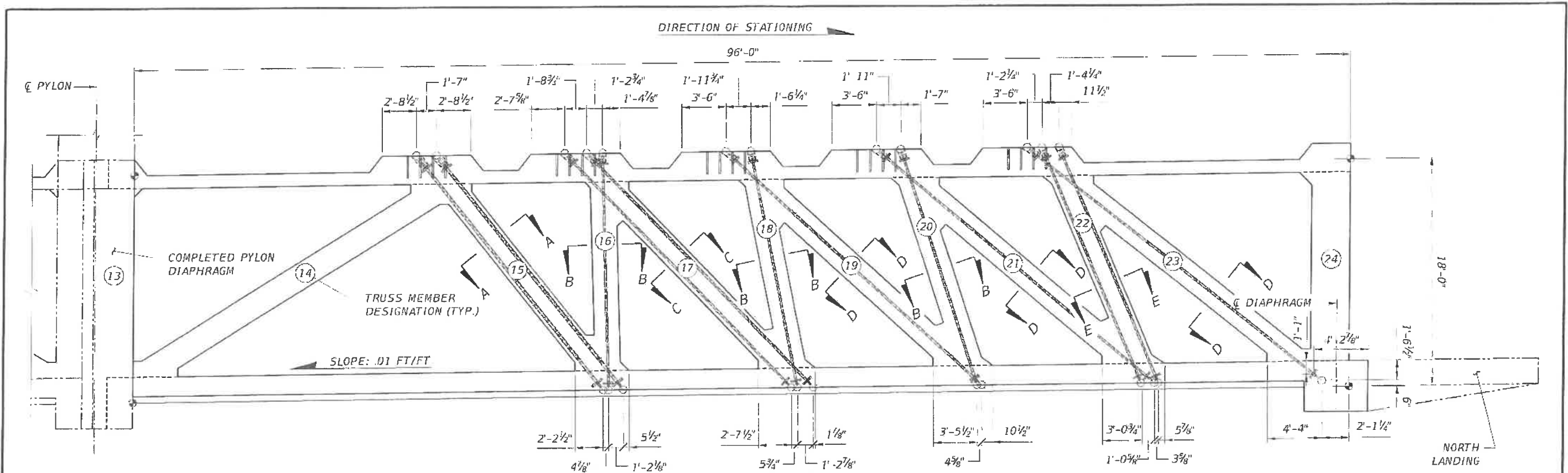


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

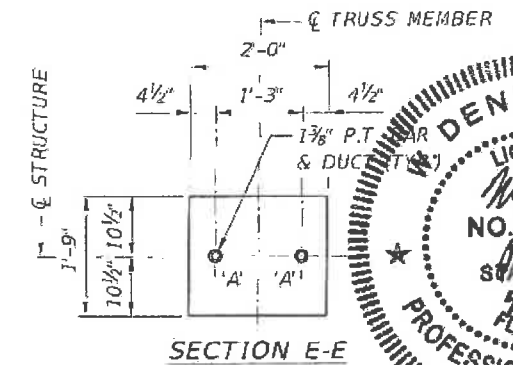
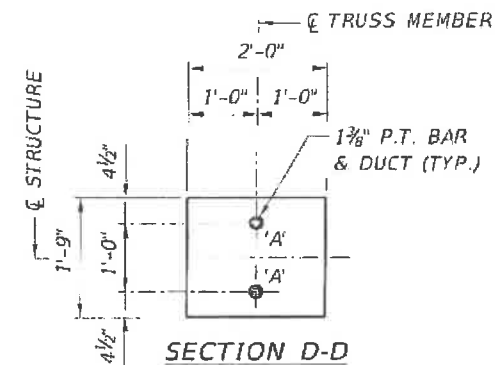
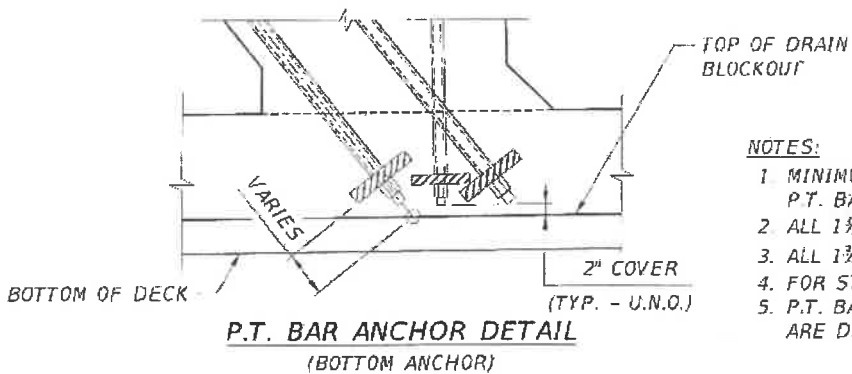
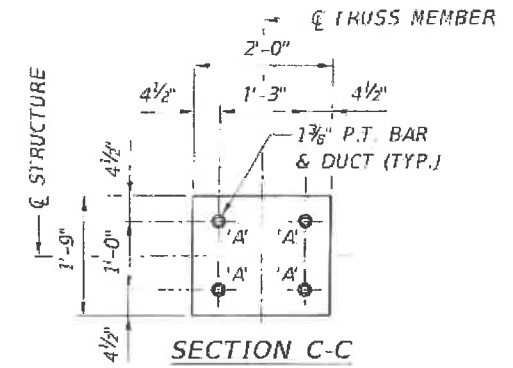
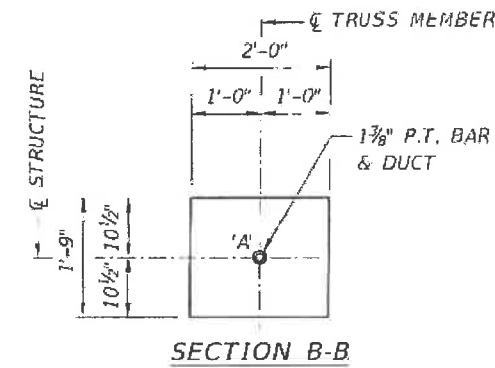
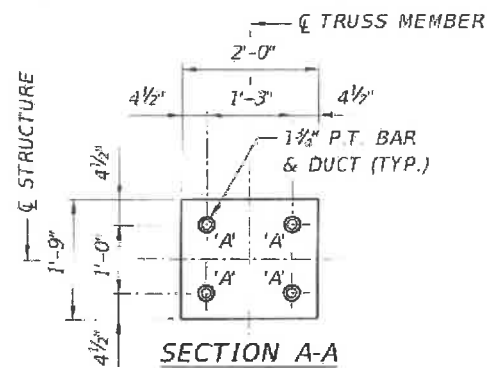
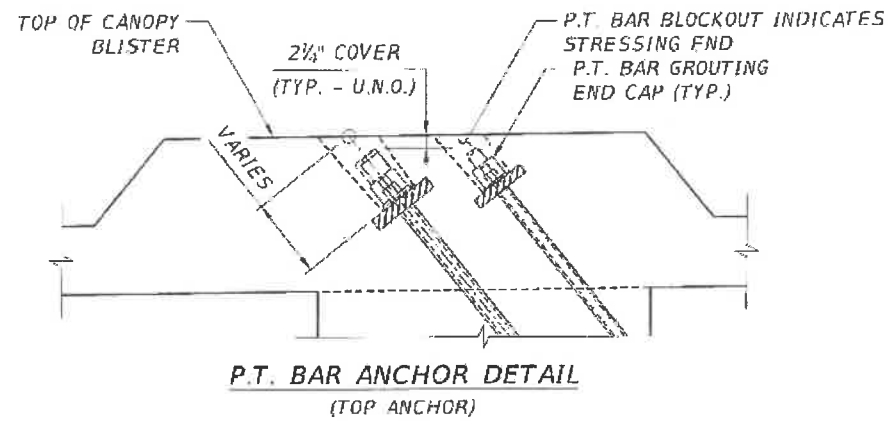
ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB	CHECKED BY: MF	DESIGNED BY: EDL	CHECKED BY: MF
ROAD NO. MIAMI-DADE	COUNTY MIAMI-DADE	PROJECT ID 434688-1-58-01	SHEET TITLE BACK SPAN TRUSS SYSTEM LAYOUT

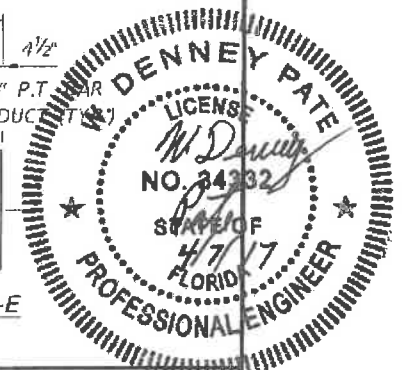
PROJECT NAME UNIVERSITYCITY PROSPERITY PROJECT		SHEET NO. 8-41
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ELEVATION



- NOTES:**
1. MINIMUM CONCRETE STRENGTH REQUIRED PRIOR TO STRESSING P.T. BARS = 6000 PSI.
 2. ALL 1 3/8" DIA. P.T. BARS WILL HAVE AN 5"x10" ANCHOR PLATE.
 3. ALL 1 1/2" DIA. P.T. BARS WILL HAVE AN 8"x12" ANCHOR PLATE.
 4. FOR STRESSING FORCES, SEE POST-TENSIONING SCHEDULE DRAWING.
 5. P.T. BAR GROUTING END CAPS ARE NOT NEEDED FOR P.T. BARS WHICH ARE DESTRESSED AFTER CONSTRUCTION SEQUENCE



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

FIGG

424 North Calhoun Street
Tallahassee, Florida 32301

FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
CHECKED BY: MF
DESIGNED BY: EDL
CHECKED BY: MF

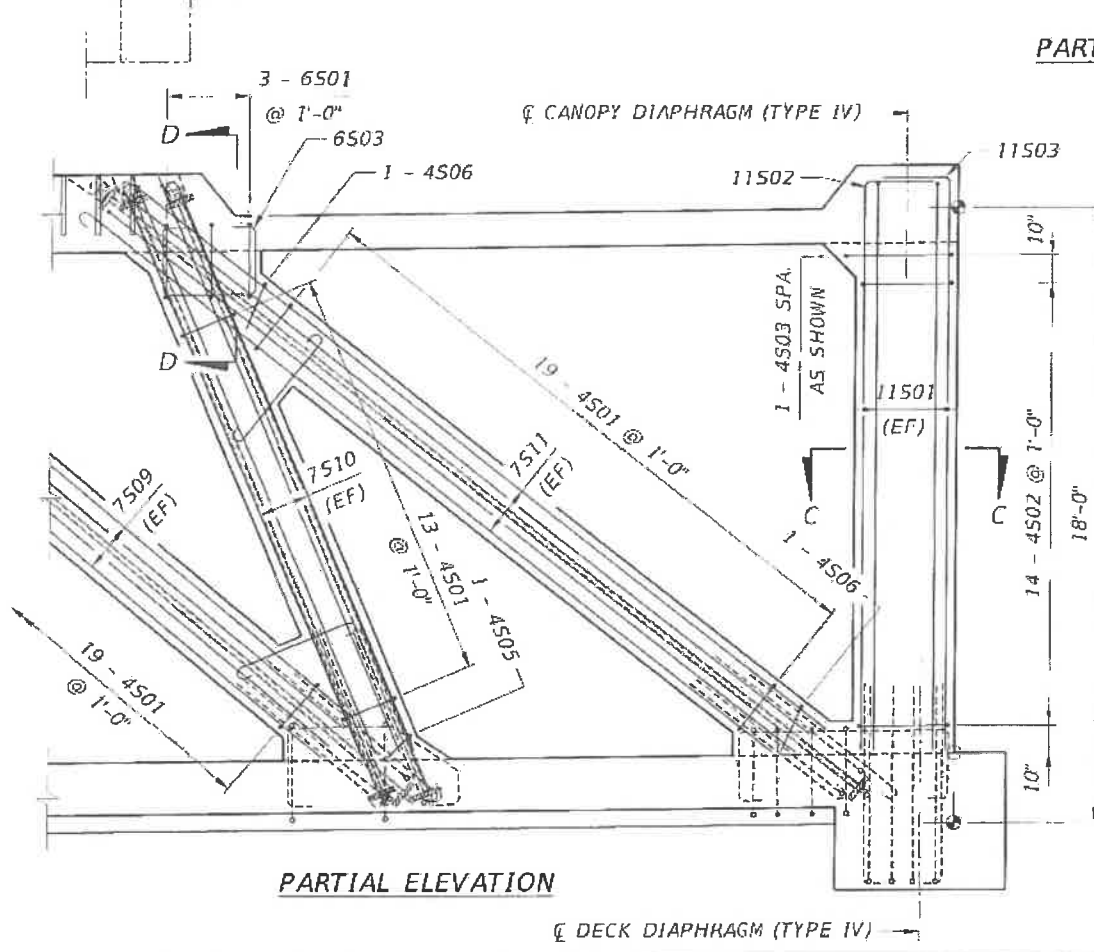
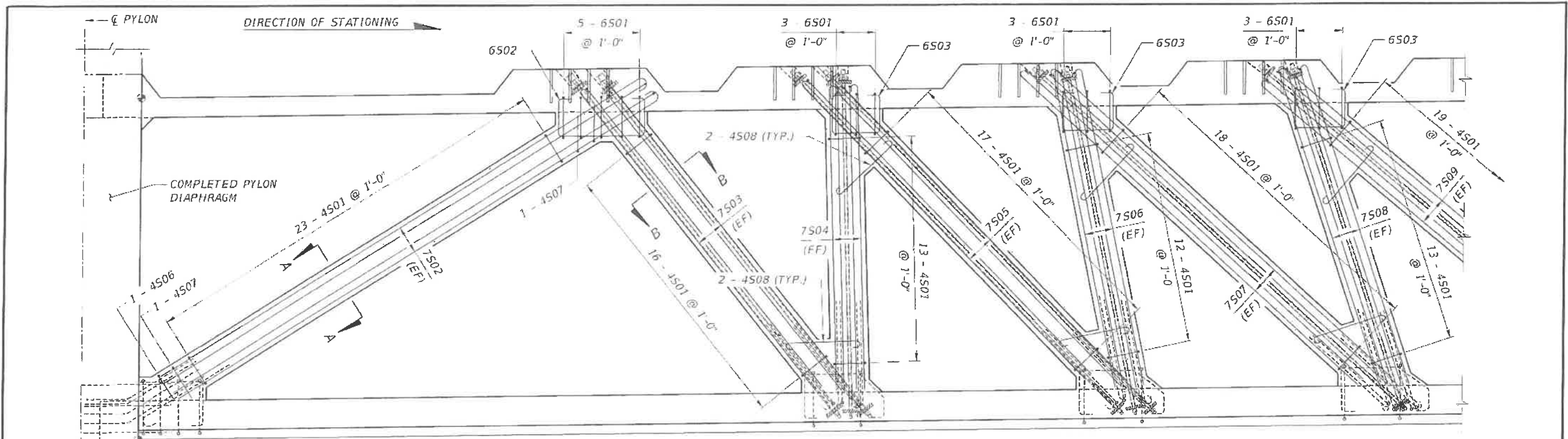
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. MIAMI-DADE COUNTY PROJECT ID 434688-1-58-01

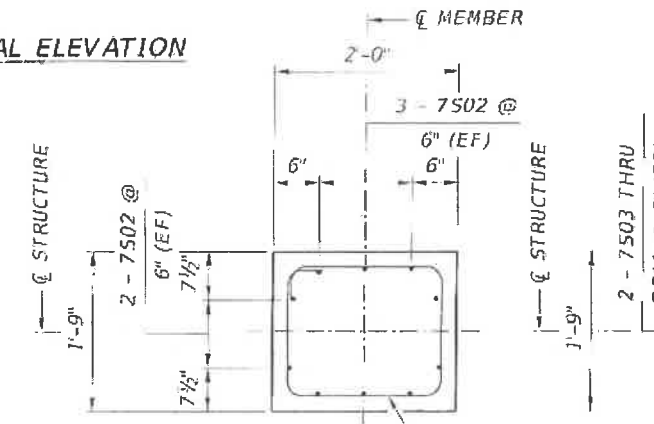
SHEET TITLE: BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS

UNIVERSITYCITY PROSPERITY PROJECT

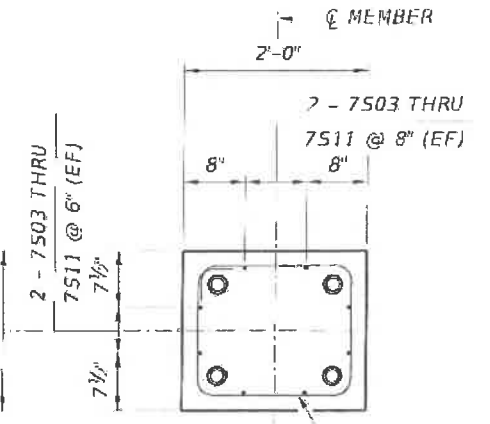
SHEET NO. B-42



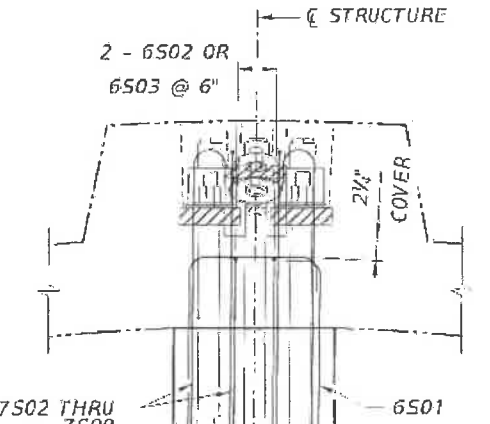
PARTIAL ELEVATION



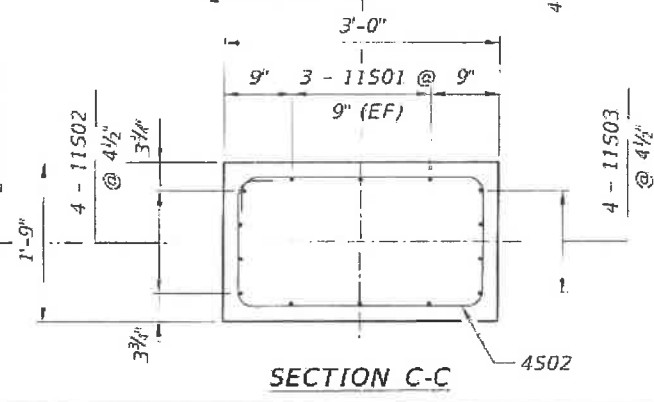
SECTION A-A
(MEMBER WITH NO P.T. BARS)



SECTION B-B
(TYP. ALL MEMBERS WITH P.T. BARS)



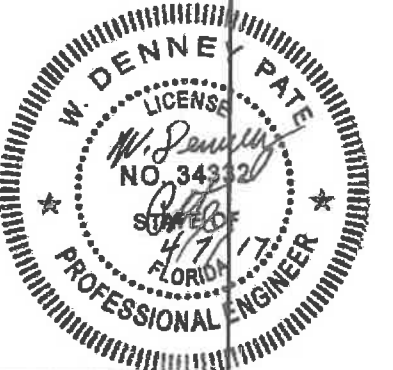
SECTION D-D
(TYP. ALL CANOPY BLISTERS)



SECTION C-C

NOTES:

1. CONCRETE COVER IS 2", UNLESS NOTED OTHERWISE.
2. FOR P.T. BAR SIZE AND DETAILS, SEE BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS SHEET.
3. FOR DECK REINFORCEMENT, SEE DECK REINFORCEMENT AND P.T. BACK SPAN SHEETS.
4. FOR CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT AND P.T. BACK SPAN SHEETS.
5. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST SHEETS.
6. SHOP DRAWINGS ARE REQUIRED FOR FORMING DETAILS.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: EDL
 DESIGNED BY: EDL
 CHECKED BY: MF

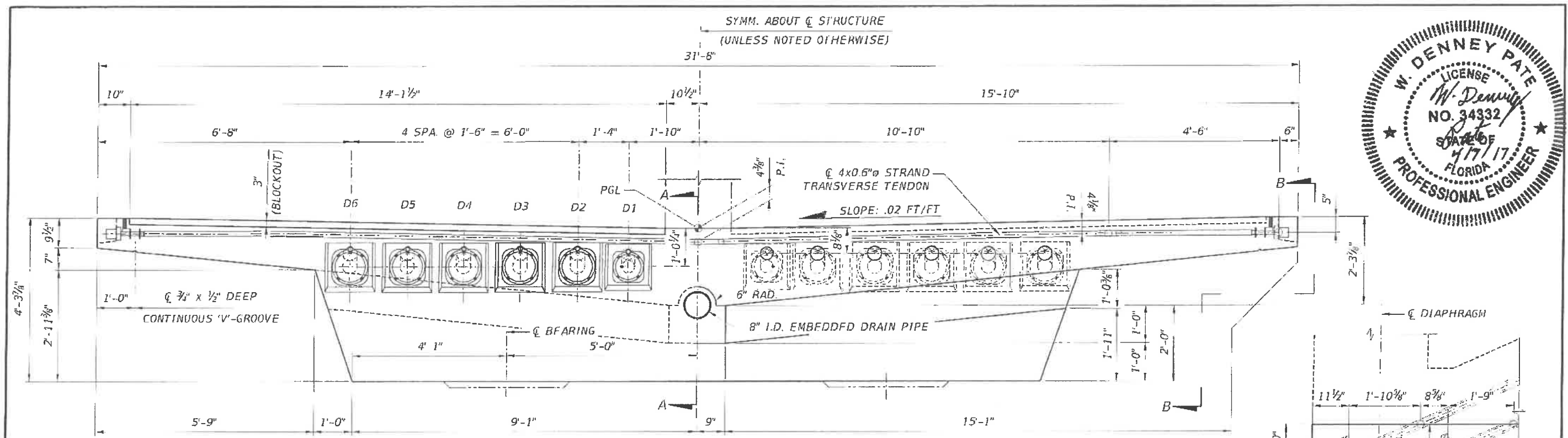
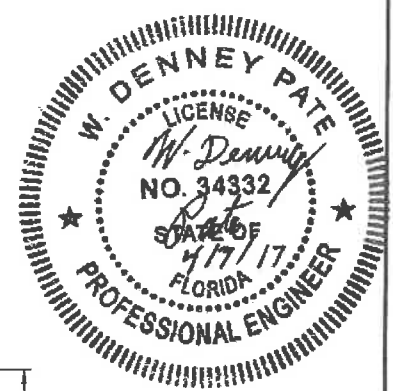
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID PROJECT NAME

MIAMI-DADE 434688-1-58-01 UNIVERSITY CITY PROSPERITY PROJECT

SHEET TITLE: BACK SPAN TRUSS SYSTEM REINFORCEMENT

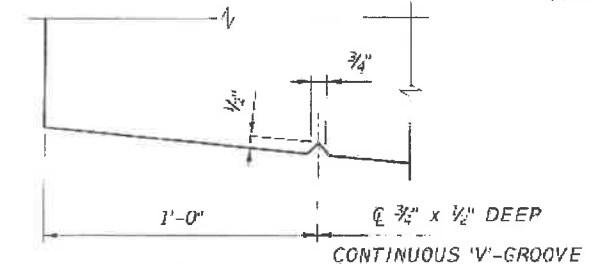
SHEET NO. B-43



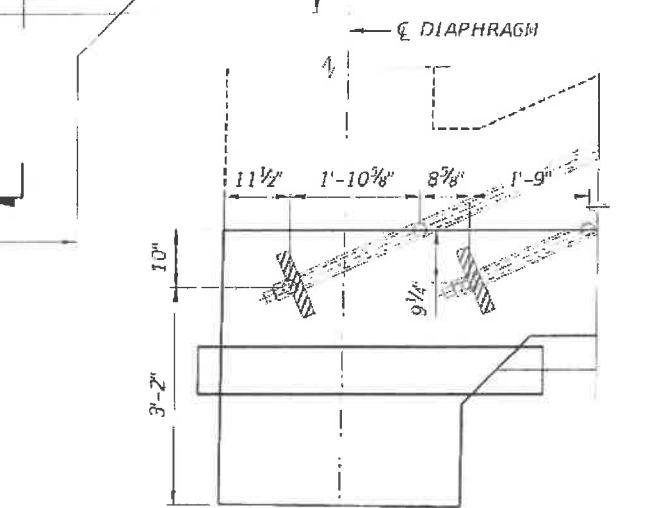
HALF CROSS-SECTION
(LOOKING UPSTATION - ANCHOR FACE)

HALF CROSS-SECTION
(LOOKING DOWNSTATION - TYPICAL FACE)

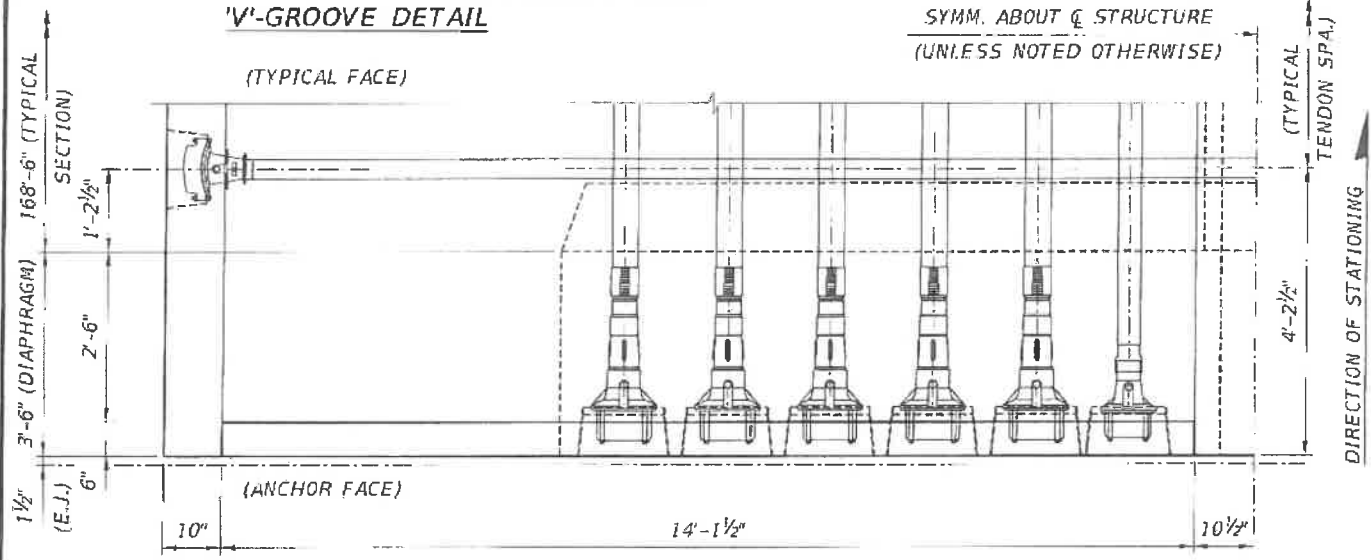
- NOTES:**
1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWING
 2. FOR DIAPHRAGM REINFORCEMENT, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
 3. FOR ADDITIONAL TRANSVERSE TENDON DETAILS, SEE DECK REINFORCEMENT & P.T. MAIN SPAN DRAWINGS.
 4. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (1 OF 2) DRAWING.
 5. FOR BEARING DETAILS, SEE BEARING DETAILS DRAWING.
 6. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
 7. FOR EXPANSION JOINT DEVICE DETAILS, SEE EXPANSION JOINT DETAILS DRAWING.



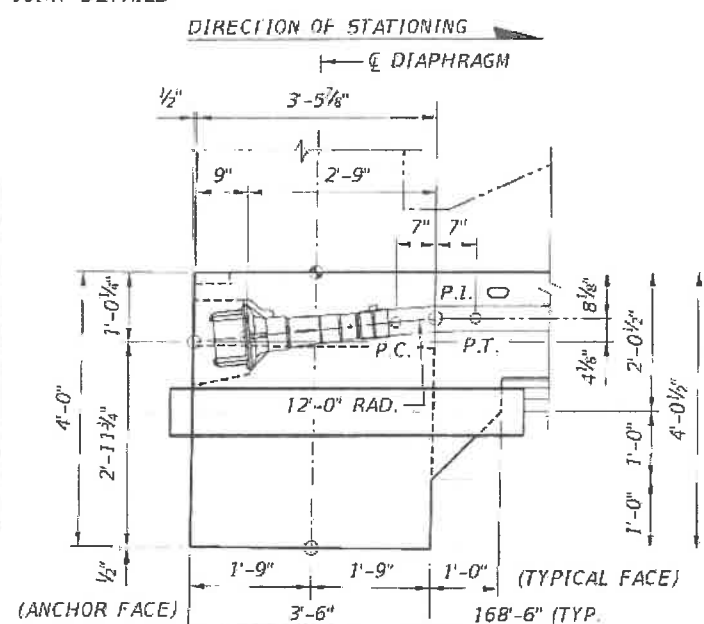
'V'-GROOVE DETAIL
(TYPICAL FACE)



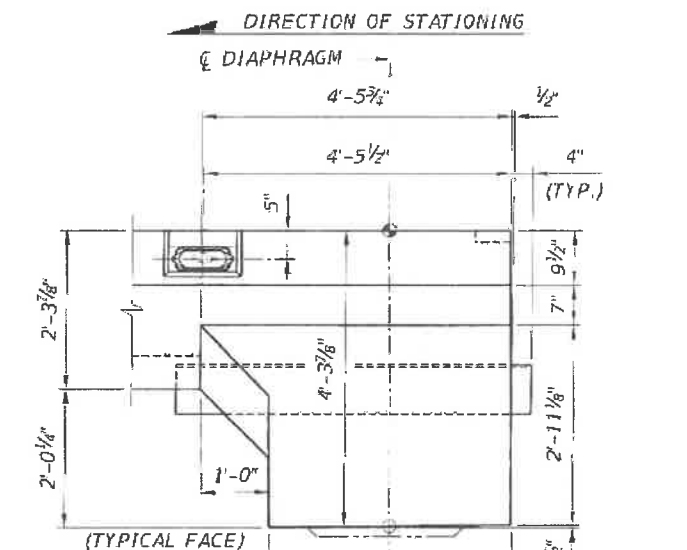
SECTION A-A
(PT. BAR DETAILS)



HALF PLAN
(TOP SLAB)

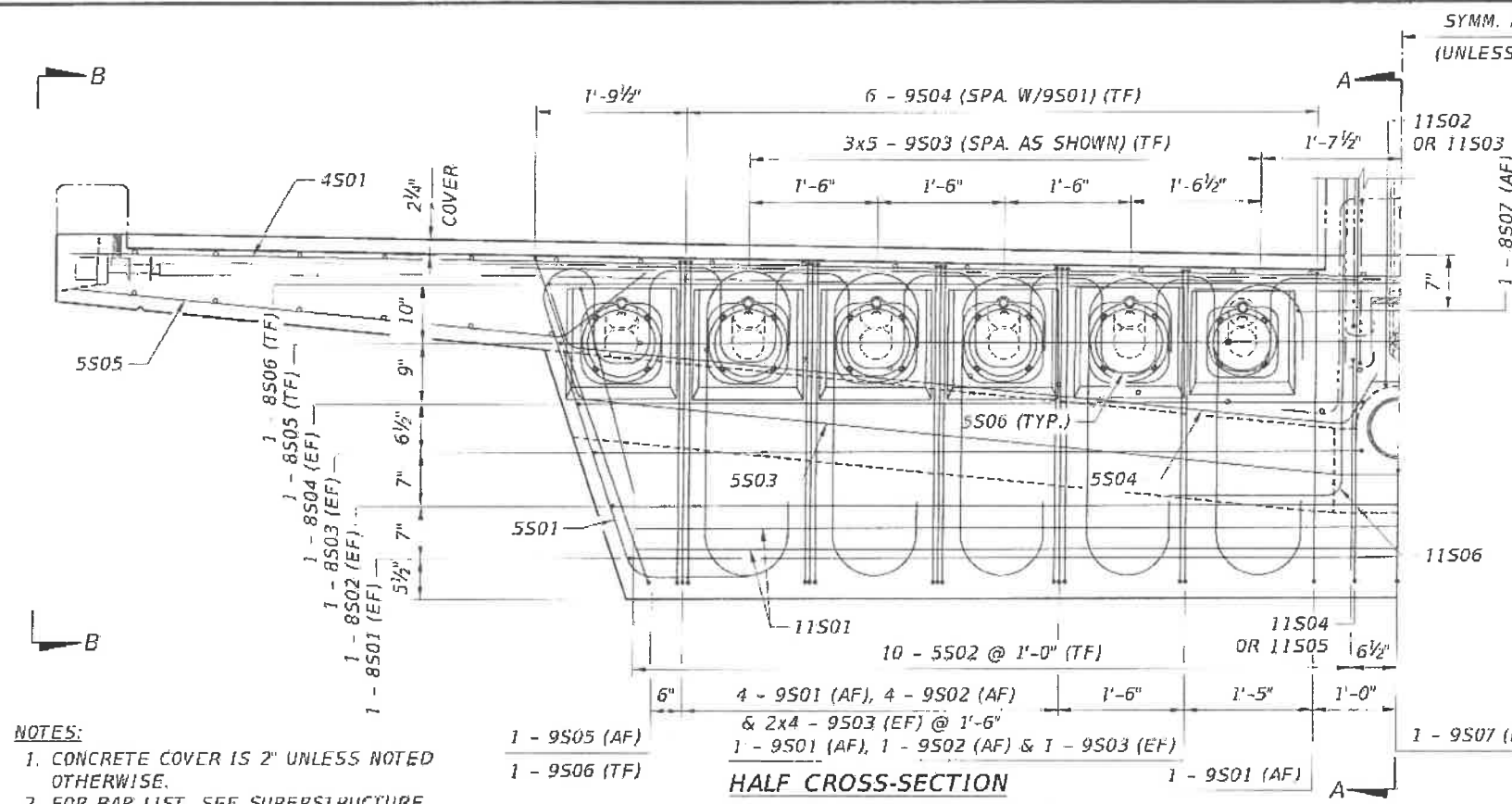


SECTION A-A
(DIAPHRAGM)



VIEW B-B

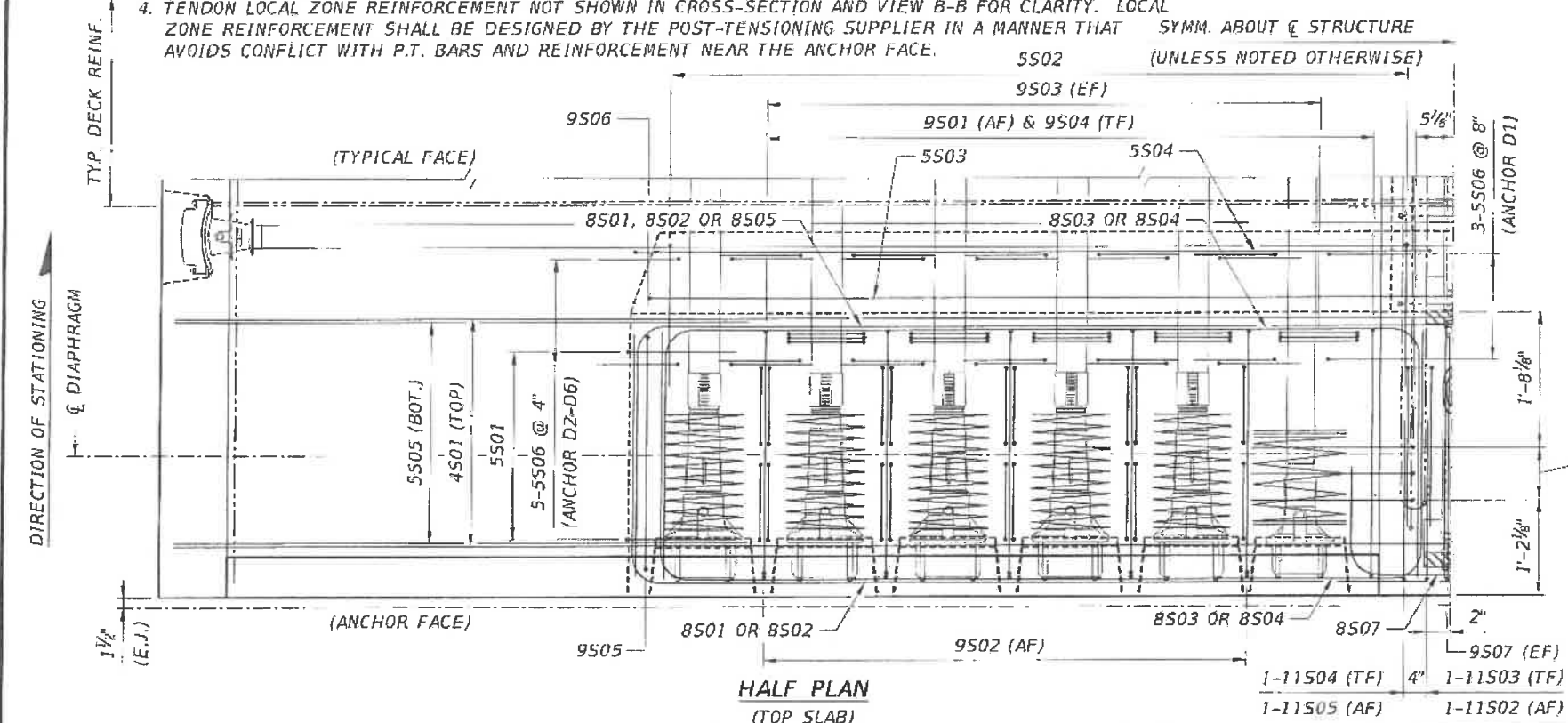
REVISIONS						ENGINEER OF RECORD:			DRAWN BY:			PROJECT TITLE:		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FIGG			DCB			DECK END DIAPHRAGM DIMENSIONS & P.T. - TYPE I		
						424 North Calhoun Street Tallahassee, Florida 32301			FLORIDA INTERNATIONAL UNIVERSITY			UNIVERSITYCITY PROSPERITY PROJECT		
						FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332			ROAD NO. COUNTY PROJECT ID			PROJECT NAME:		
									MIAMI - DADE 434688-1-58-01			UNIVERSITYCITY PROSPERITY PROJECT		
									CHECKED BY: MF			SHEET NO. B-44		



- NOTES:**
1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. FOR TYPICAL DECK REINFORCEMENT, SEE DECK REINFORCEMENT & P.T. MAIN SPAN DRAWINGS.
 4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN CROSS-SECTION AND VIEW B-B FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH P.T. BARS AND REINFORCEMENT NEAR THE ANCHOR FACE.

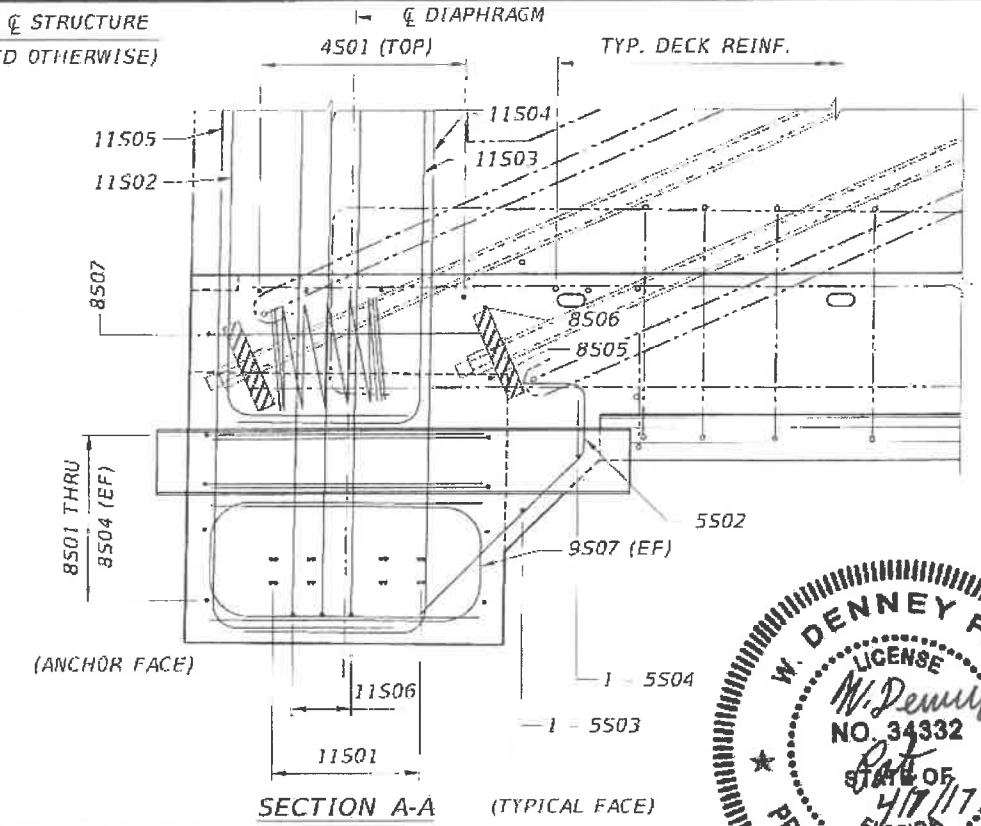
1 - 9S05 (AF)
1 - 9S06 (TF)
10 - 5S02 @ 1'-0" (TF)
4 - 9S01 (AF), 4 - 9S02 (AF) & 2x4 - 9S03 (EF) @ 1'-6"
1 - 9S01 (AF), 1 - 9S02 (AF) & 1 - 9S03 (EF)
1 - 9S01 (AF)
1 - 9S07 (EF)

HALF CROSS-SECTION
(ANCHOR FACE - LOOKING UPSTATION)

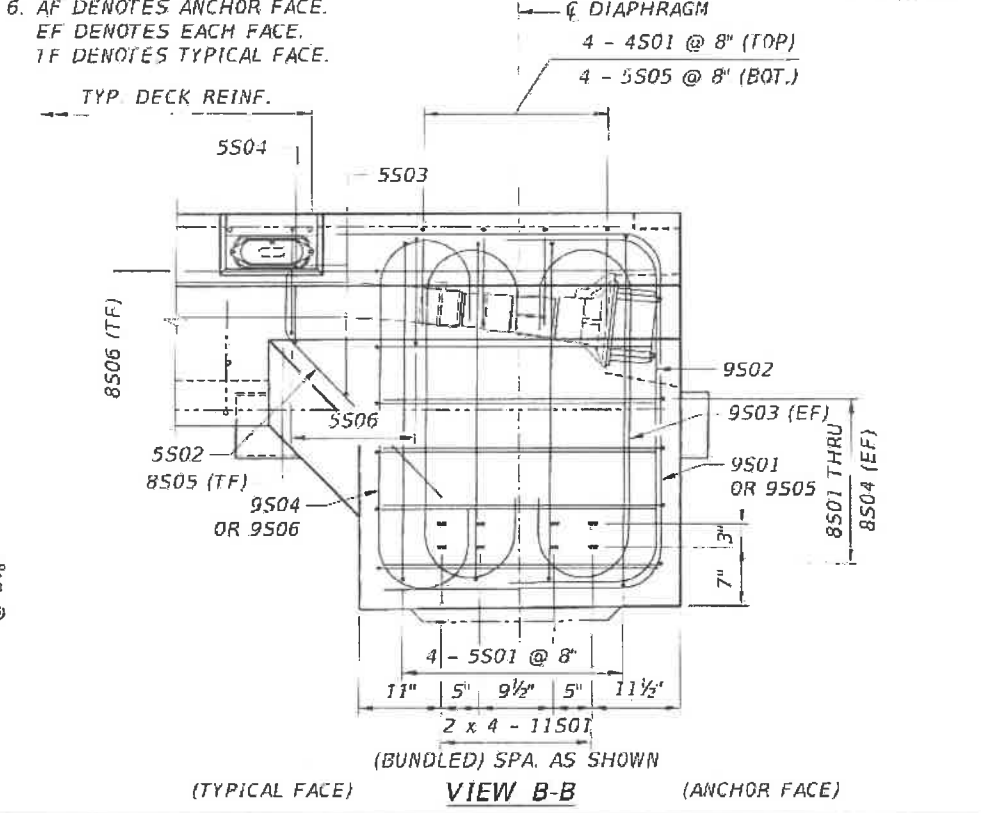


HALF PLAN
(TOP SLAB)

1-11S04 (TF) 4" 1-11S03 (TF)
1-11S05 (AF) 1-11S02 (AF)



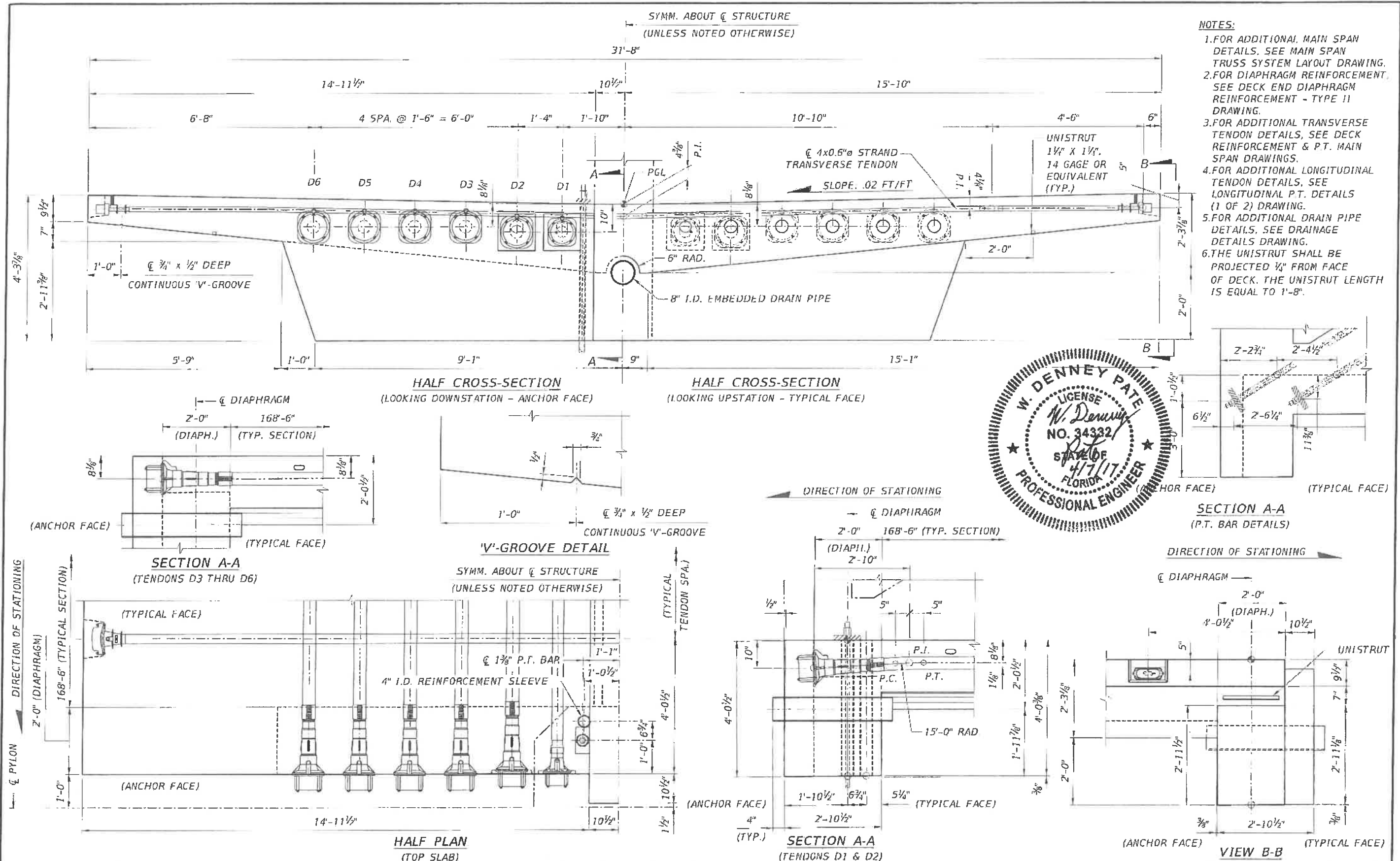
- NOTES (CONTINUED):**
5. TRANSVERSE TENDON ANCHORAGE ZONE AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.
 6. AF DENOTES ANCHOR FACE. EF DENOTES EACH FACE. TF DENOTES TYPICAL FACE.



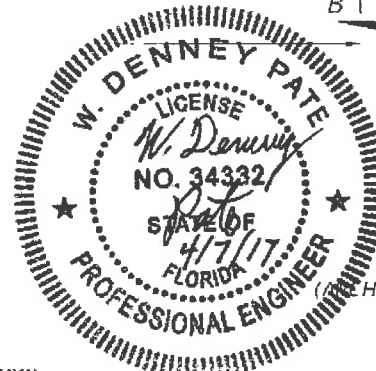
VIEW B-B
(ANCHOR FACE)



REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		PROJECT TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	DECK END DIAPHRAGM REINFORCEMENT - TYPE I	
FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332						ROAD NO. COUNTY PROJECT ID MIAMI - DADE 434688-1-58-01		UNIVERSITY CITY PROSPERITY PROJECT SHEET NO. B-45	



- NOTES:**
1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWING.
 2. FOR DIAPHRAGM REINFORCEMENT, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
 3. FOR ADDITIONAL TRANSVERSE TENDON DETAILS, SEE DECK REINFORCEMENT & P.T. MAIN SPAN DRAWINGS.
 4. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (1 OF 2) DRAWING.
 5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
 6. THE UNISTRUT SHALL BE PROJECTED 1/4" FROM FACE OF DECK. THE UNISTRUT LENGTH IS EQUAL TO 1'-8".



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
FIGG
 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818
 W. DENNEY PATE, P.E. - P.E. NO. 34332

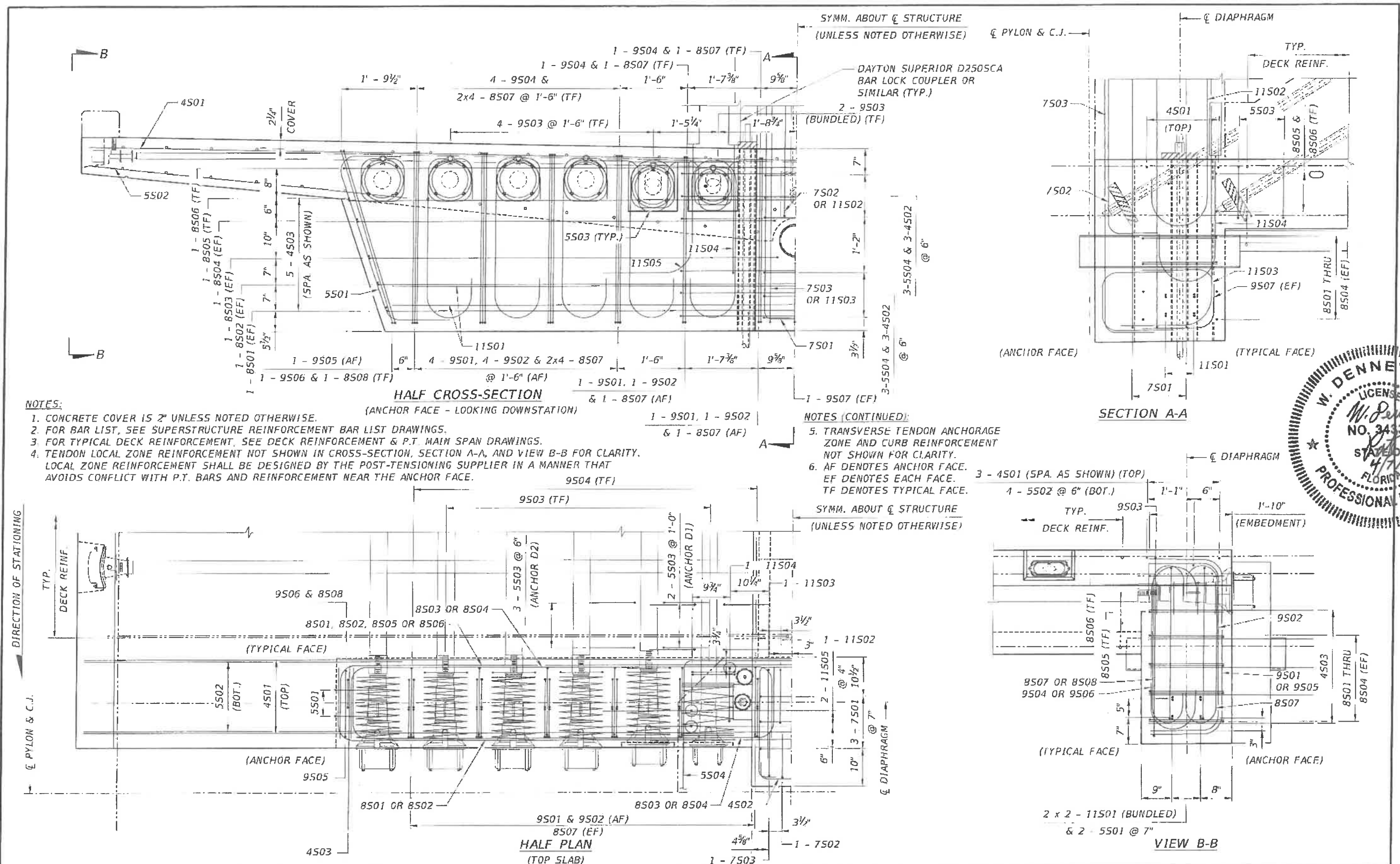
DRAWN BY: DCB
 CHECKED BY: EKH
 DESIGNED BY: EKH
 CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

SHEET TITLE: **DECK END DIAPHRAGM DIMENSIONS & P.T. - TYPE II**

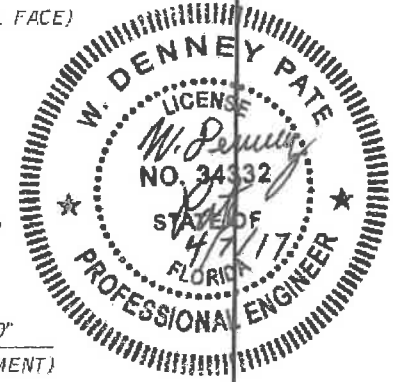
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. **B-46**



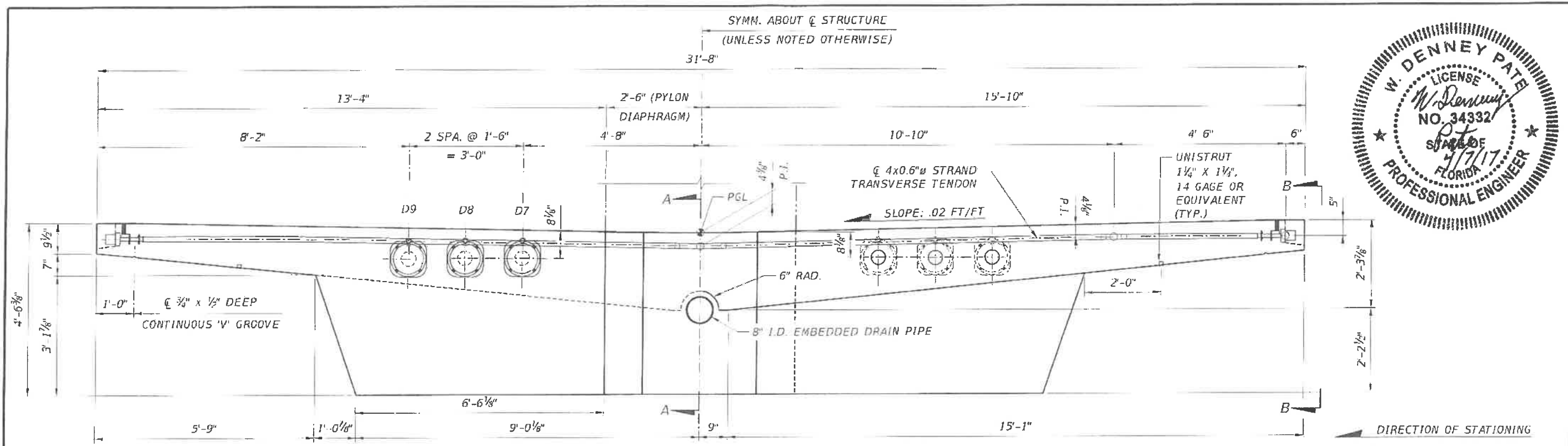
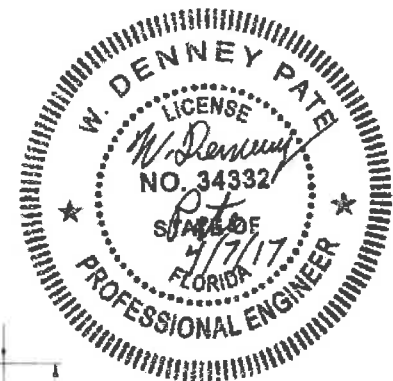
- NOTES:**
1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. FOR TYPICAL DECK REINFORCEMENT, SEE DECK REINFORCEMENT & P.T. MAIN SPAN DRAWINGS.
 4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN CROSS-SECTION, SECTION A-A, AND VIEW B-B FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH P.T. BARS AND REINFORCEMENT NEAR THE ANCHOR FACE.

- NOTES (CONTINUED):**
5. TRANSVERSE TENDON ANCHORAGE ZONE AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.
 6. AF DENOTES ANCHOR FACE. EF DENOTES EACH FACE. TF DENOTES TYPICAL FACE.

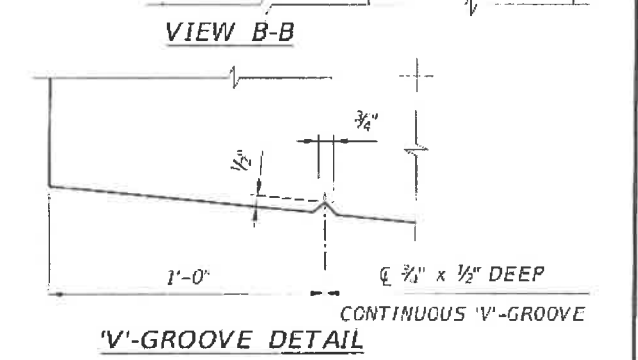
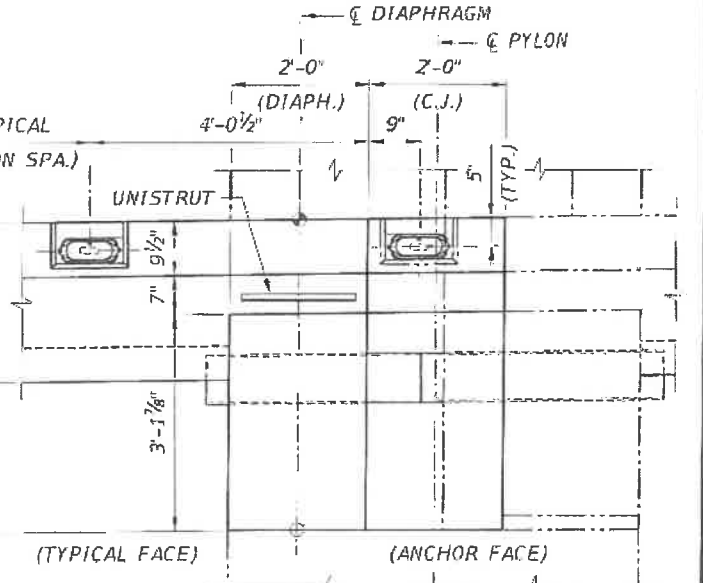
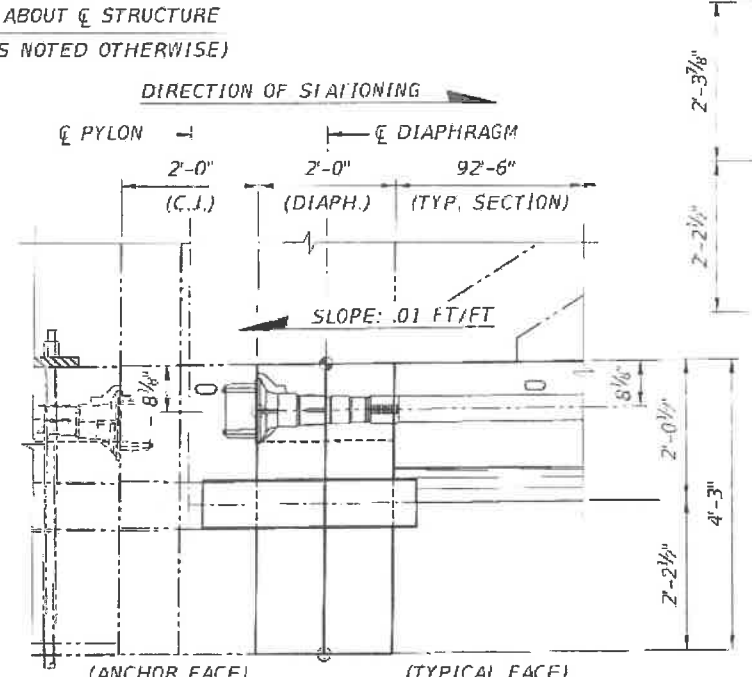
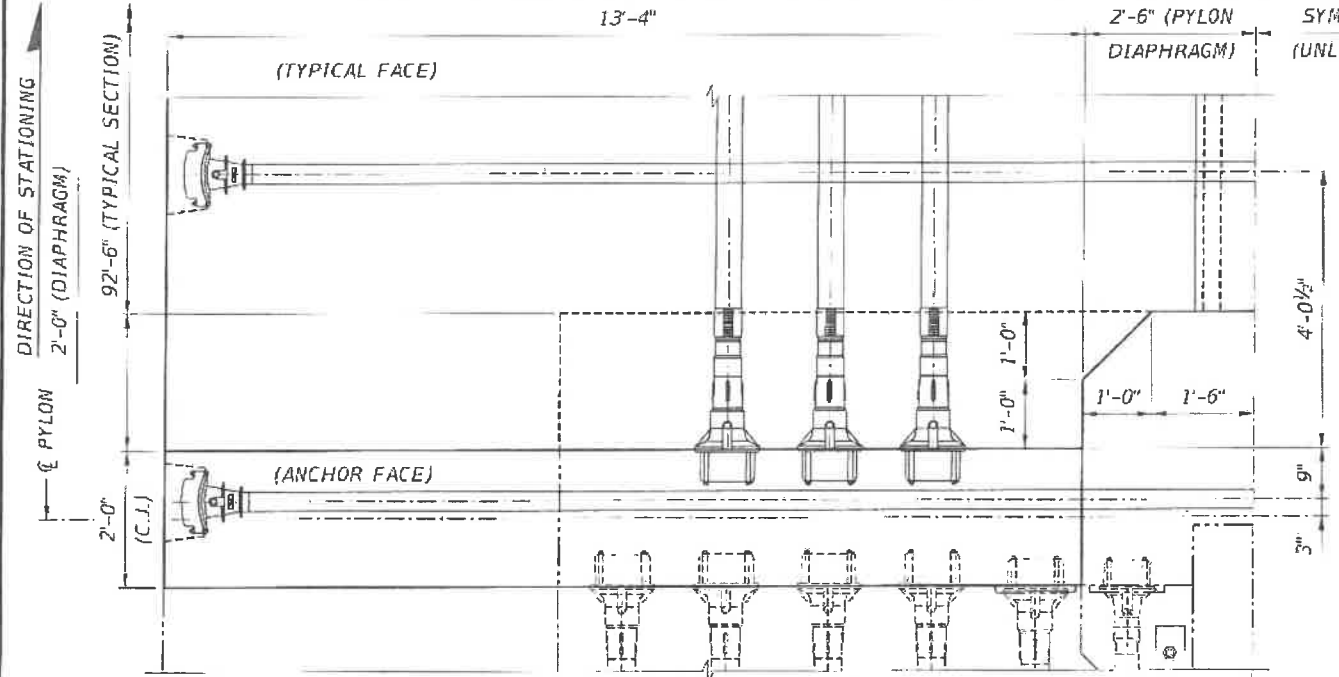


REVISIONS				ENGINEER OF RECORD:		DRAWN BY:			SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	DCB	DECK END DIAPHRAGM REINFORCEMENT - TYPE II	

FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		DRAWN BY: DCB CHECKED BY: ENH DESIGNED BY: ENH CHECKED BY: MF	FIU FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI-DADE 434688-1-58-01	SHEET NO. B-47 PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT
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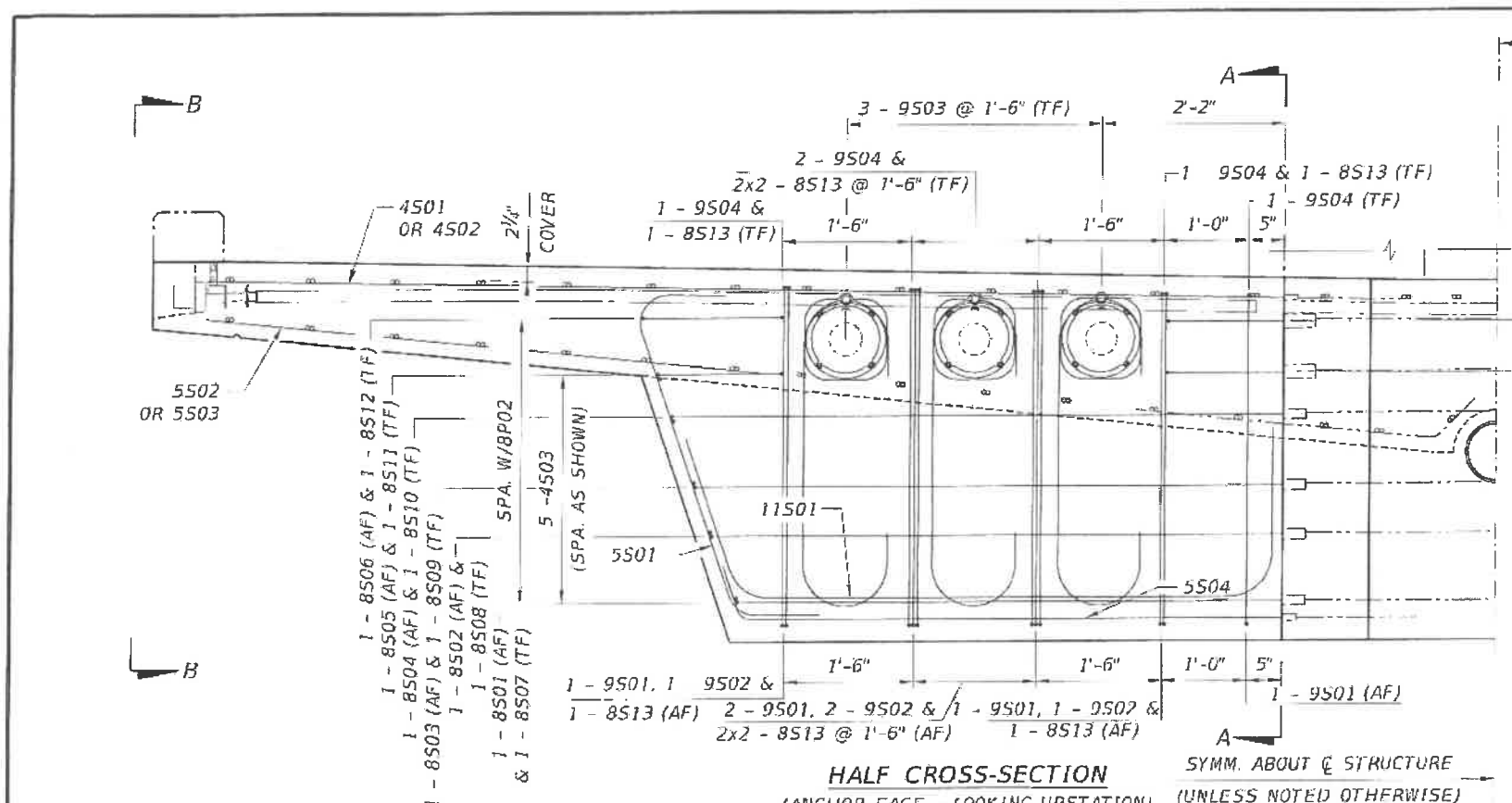


- NOTES:**
1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
 2. FOR DIAPHRAGM REINFORCEMENT, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
 3. FOR ADDITIONAL TRANSVERSE TENDON DETAILS, SEE DECK REINFORCEMENT & P.T. BACK SPAN DRAWINGS.
 4. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (2 OF 2) DRAWING.
 5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
 6. THE UNISTRUT SHALL BE PROJECTED 1/4" FROM THE FACE OF DECK. THE UNISTRUT LENGTH IS EQUAL TO 1'-8".

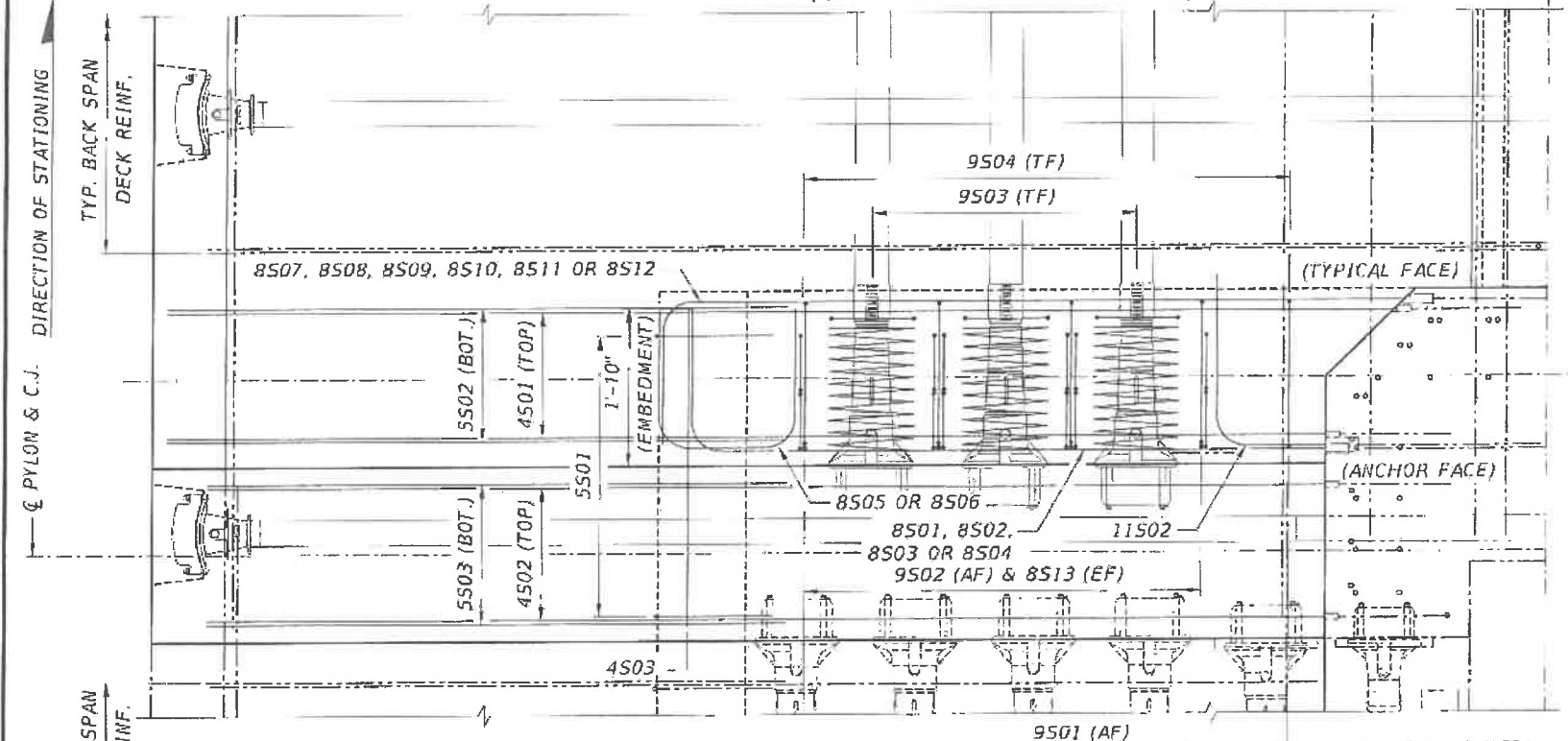


REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	DECK END DIAPHRAGM DIMENSIONS & P.T. - TYPE III	
						ENH	ENH		
						ENH	ENH		
						MF	MF		

FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332			FIU FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. MIAMI-DADE PROJECT ID 434688-1-58-01			PROJECT NAME: UNIVERSITY CITY PROSPERITY PROJECT SHEET NO. B-48		
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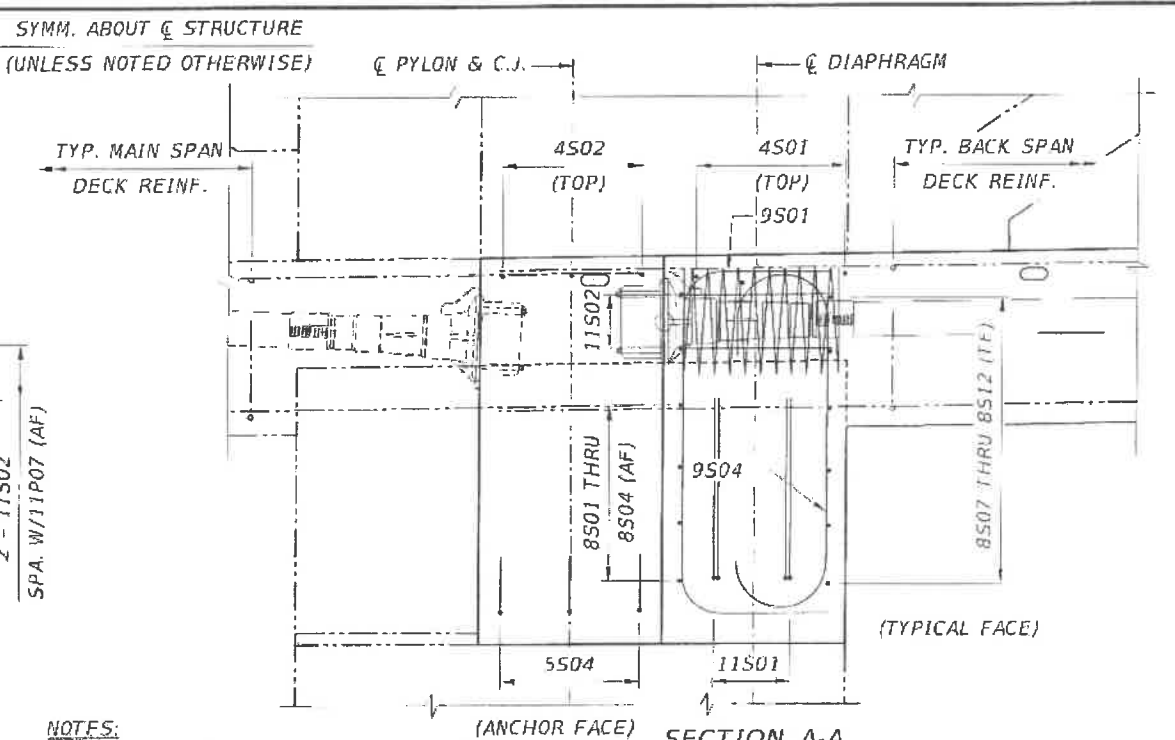


HALF CROSS-SECTION
(ANCHOR FACE - LOOKING UPSTATION)
SYMM. ABOUT C.C. STRUCTURE
(UNLESS NOTED OTHERWISE)

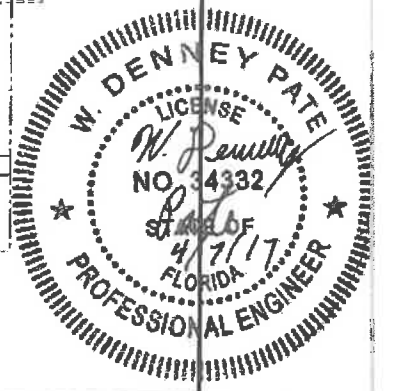
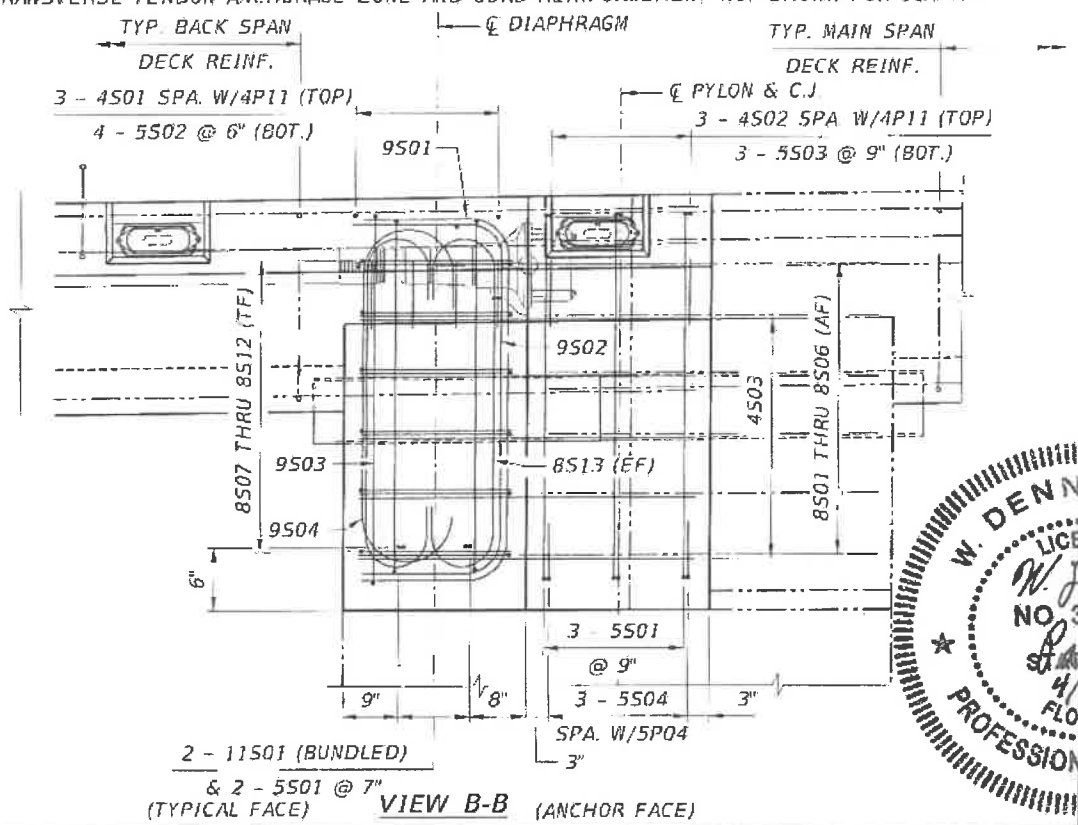


HALF PLAN
(TOP SLAB)

NOTES (CONTINUED):
6. AF DENOTES ANCHOR FACE.
EF DENOTES EACH FACE.
TF DENOTES TYPICAL FACE.



NOTES:
1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL DECK REINFORCEMENT, SEE DECK REINFORCEMENT & P.T. BACK SPAN DRAWINGS.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN CROSS-SECTION AND VIEW B-B FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.
5. TRANSVERSE TENDON ANCHORAGE ZONE AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
FIGG
424 North Calhoun Street
Tallahassee, Florida 32301
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

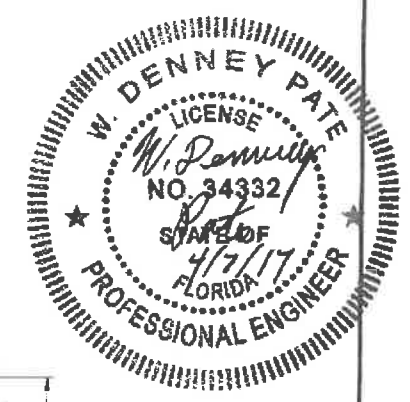
DRAWN BY: DCB
CHECKED BY: FNH
DESIGNED BY: FNH
CHECKED BY: NF

FTU FLORIDA INTERNATIONAL UNIVERSITY
ROAD NO. COUNTY PROJECT ID
MIAMI-DADE 434688-1-58-01

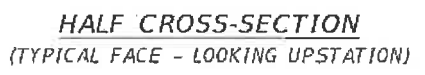
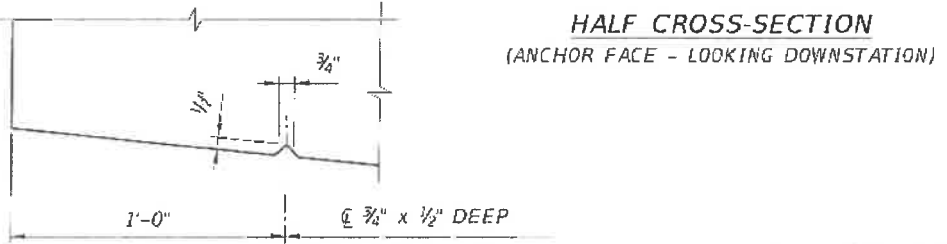
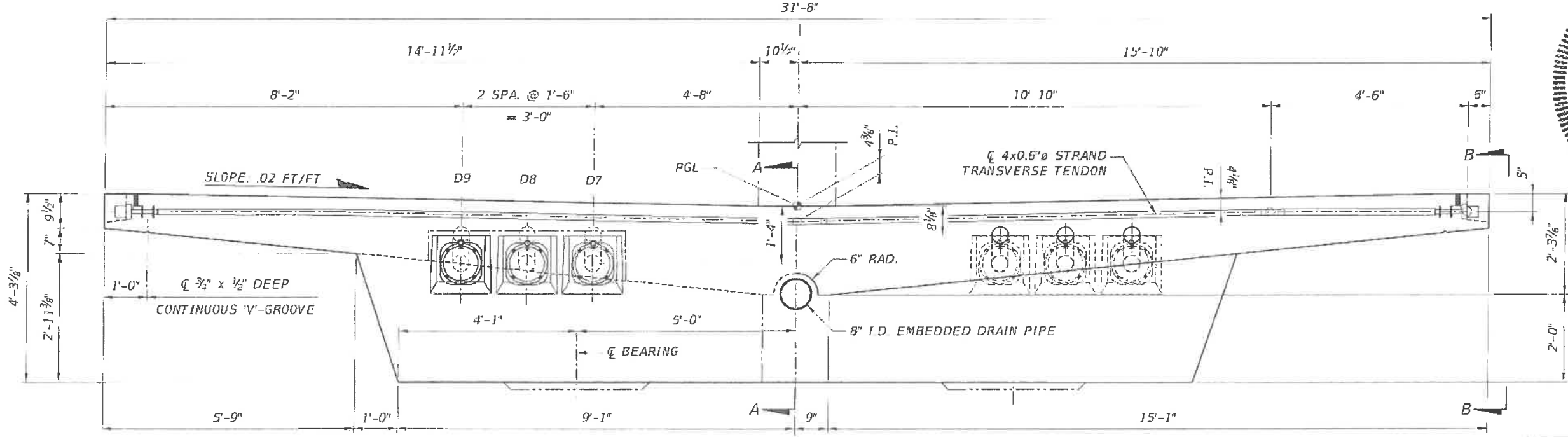
SHEET TITLE:
DECK END DIAPHRAGM REINFORCEMENT - TYPE III

UNIVERSITYCITY PROSPERITY PROJECT

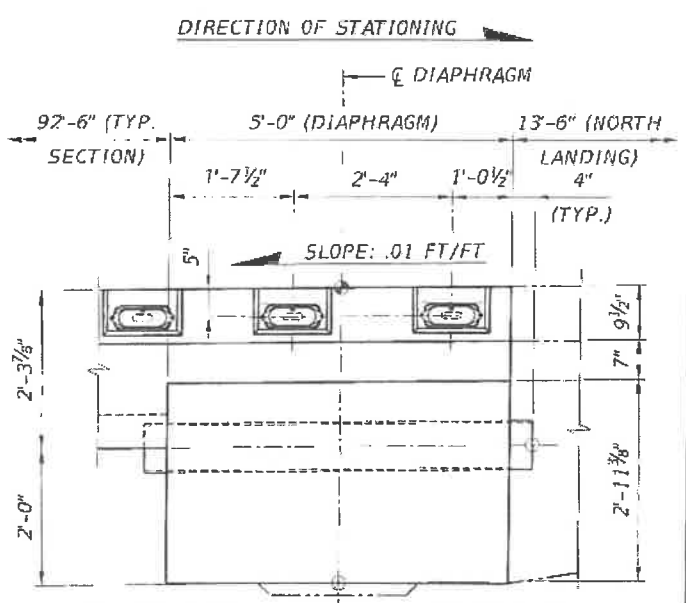
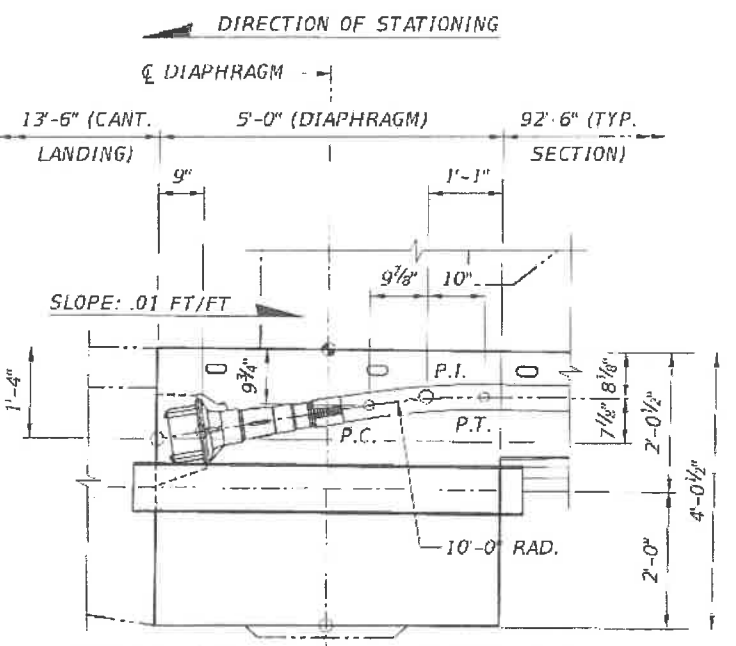
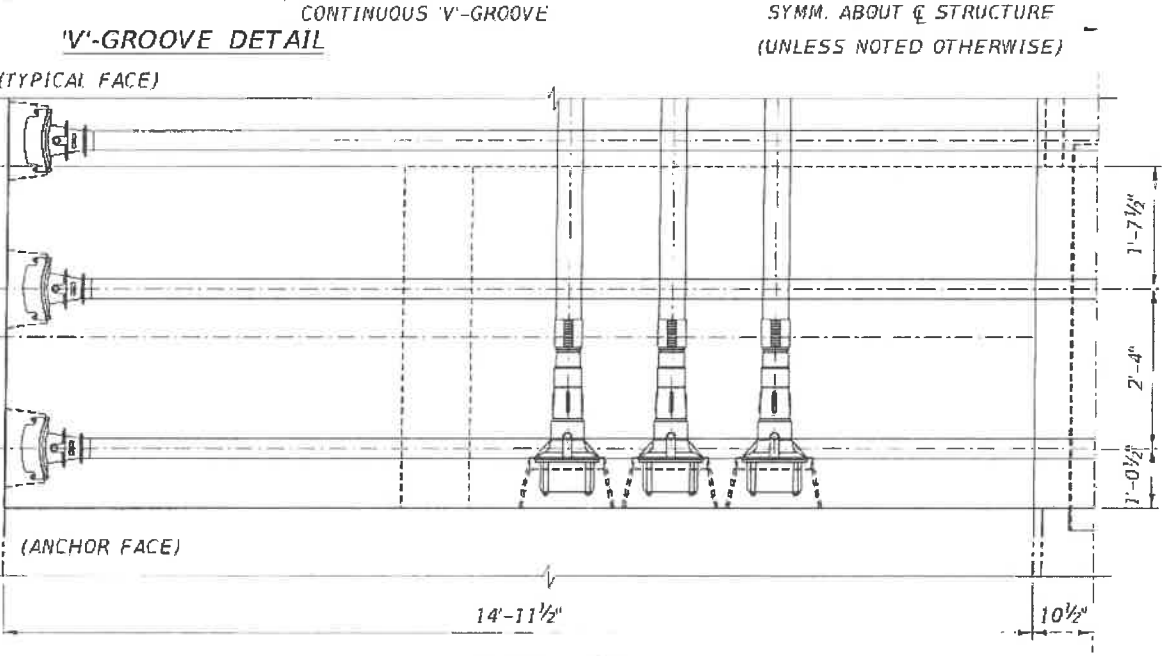
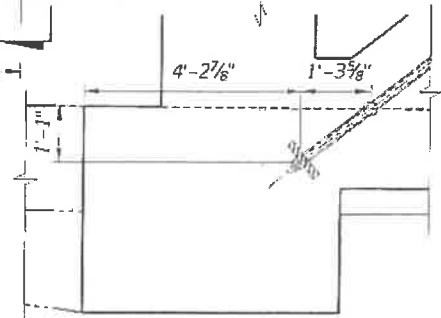
SHEET NO. 8-49



SYMM. ABOUT \bar{C} STRUCTURE
(UNLESS NOTED OTHERWISE)



- NOTES:
1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
 2. FOR DIAPHRAGM REINFORCEMENT, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
 3. FOR ADDITIONAL TRANSVERSE TENDON DETAILS, SEE DECK REINFORCEMENT & P.T. BACK SPAN DRAWING.
 4. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (2 OF 2) DRAWING.
 5. FOR BEARING DETAILS, SEE BEARING DETAILS DRAWING.
 6. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWINGS.



DIRECTION OF STATIONING

DIRECTION OF STATIONING

DIRECTION OF STATIONING

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

FIGG

424 North Calhoun Street
Tallahassee, Florida 32301

FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
W. DENNEY PATE, P.E. - P.E. NO. 34332

DESIGNED BY: ENH
CHECKED BY: MF

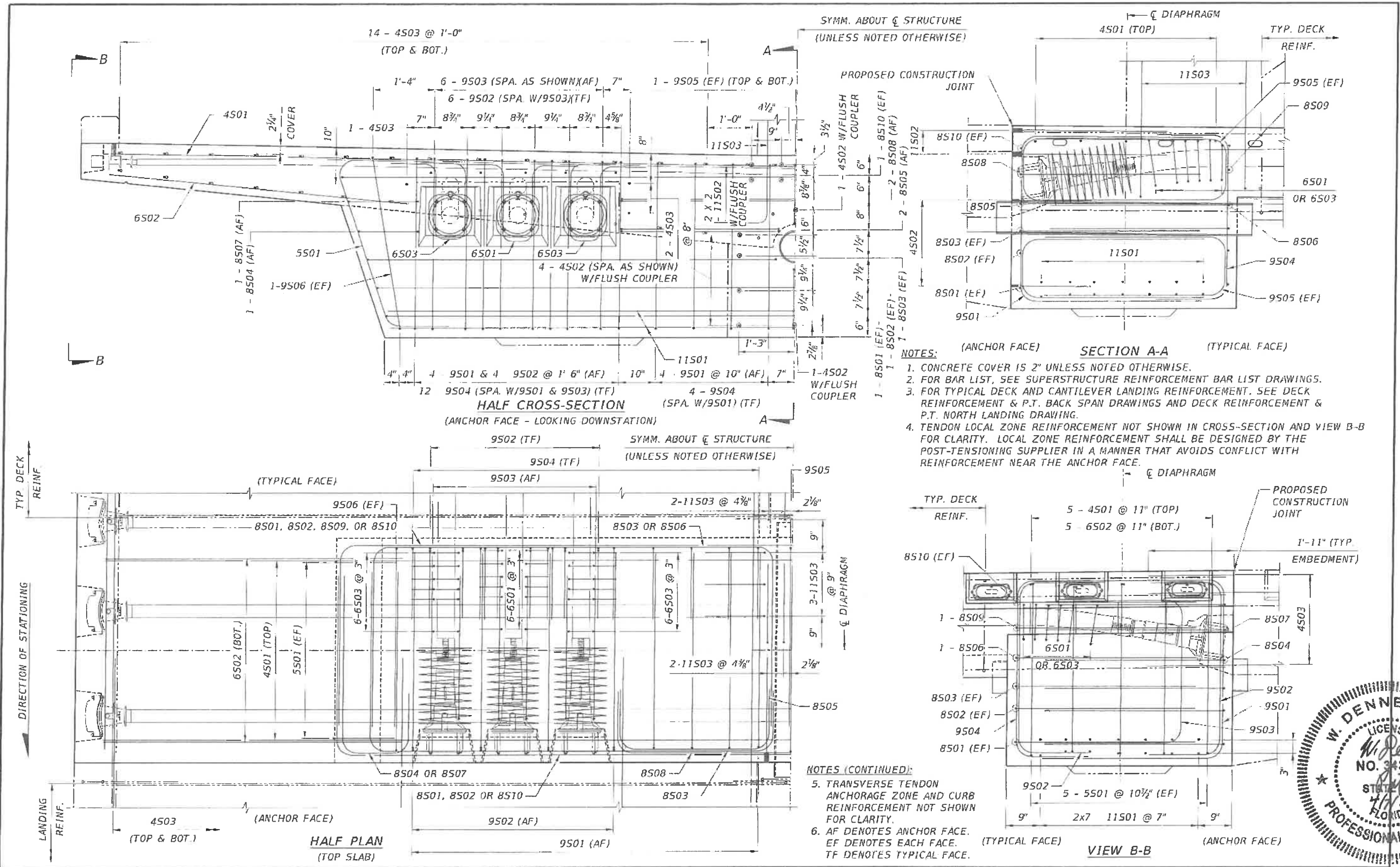
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. MIAMI-DADE PROJECT ID 434688-1-58-01

SHEET TITLE: **DECK END DIAPHRAGM DIMENSIONS & P.T. - TYPE IV**

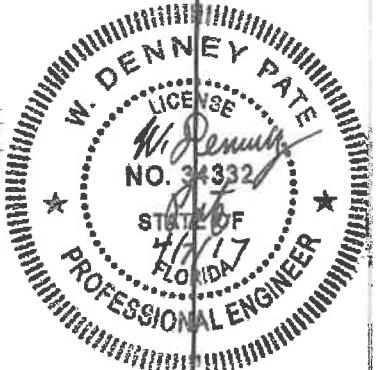
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-50



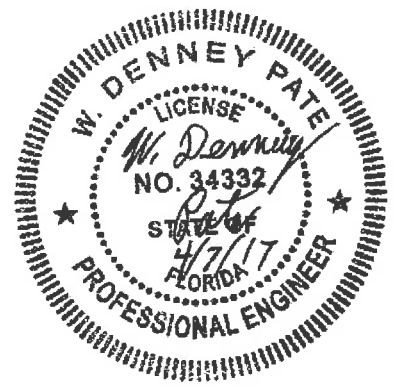
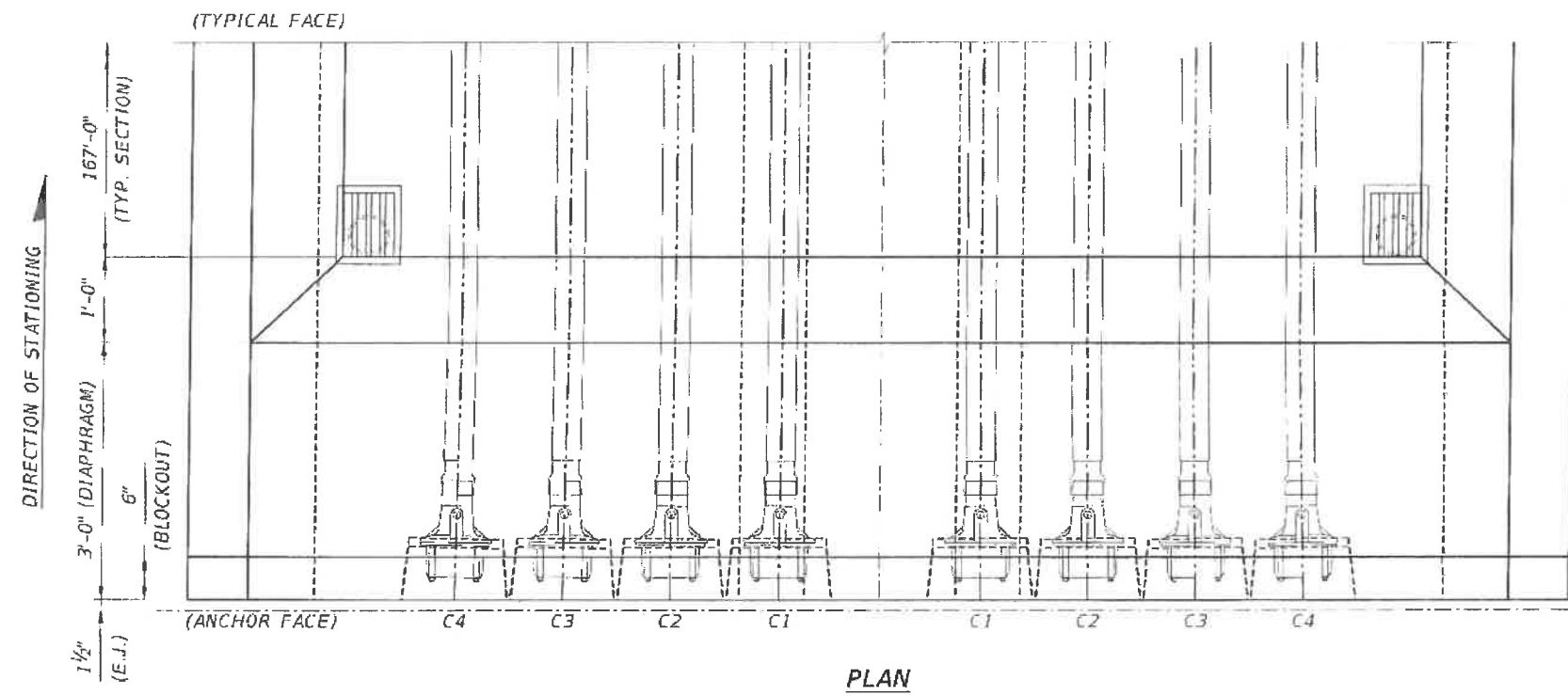
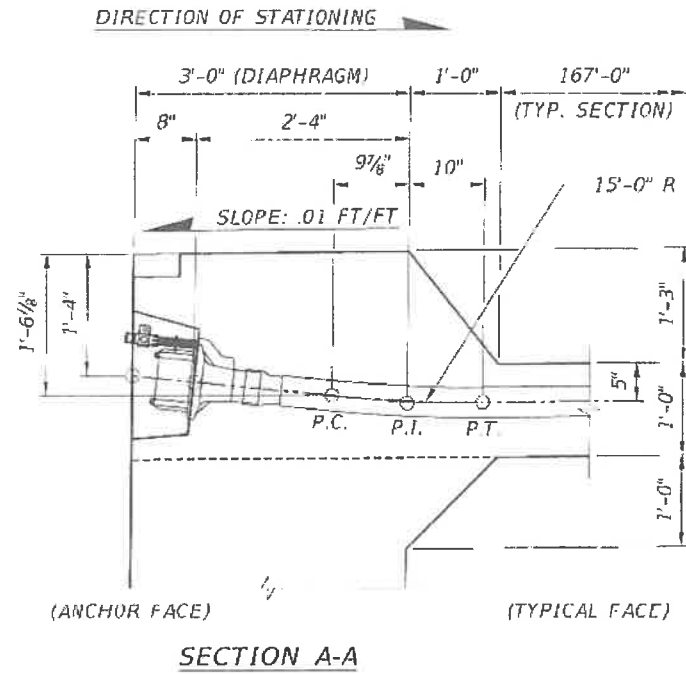
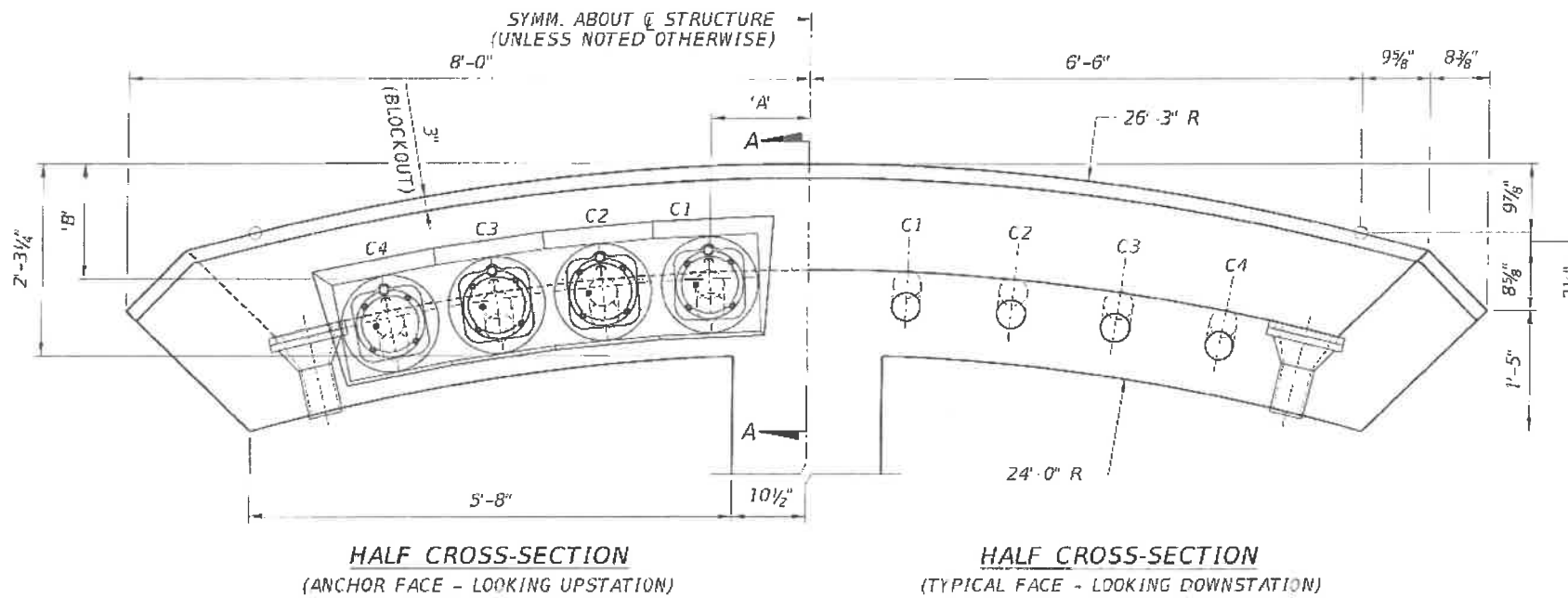
- NOTES:**
1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. FOR TYPICAL DECK AND CANTILEVER LANDING REINFORCEMENT, SEE DECK REINFORCEMENT & P.T. BACK SPAN DRAWINGS AND DECK REINFORCEMENT & P.T. NORTH LANDING DRAWING.
 4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN CROSS-SECTION AND VIEW B-B FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

- NOTES (CONTINUED):**
5. TRANSVERSE TENDON ANCHORAGE ZONE AND CURB REINFORCEMENT NOT SHOWN FOR CLARITY.
 6. AF DENOTES ANCHOR FACE. EF DENOTES EACH FACE. TF DENOTES TYPICAL FACE.



REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	DECK END DIAPHRAGM REINFORCEMENT - TYPE IV	

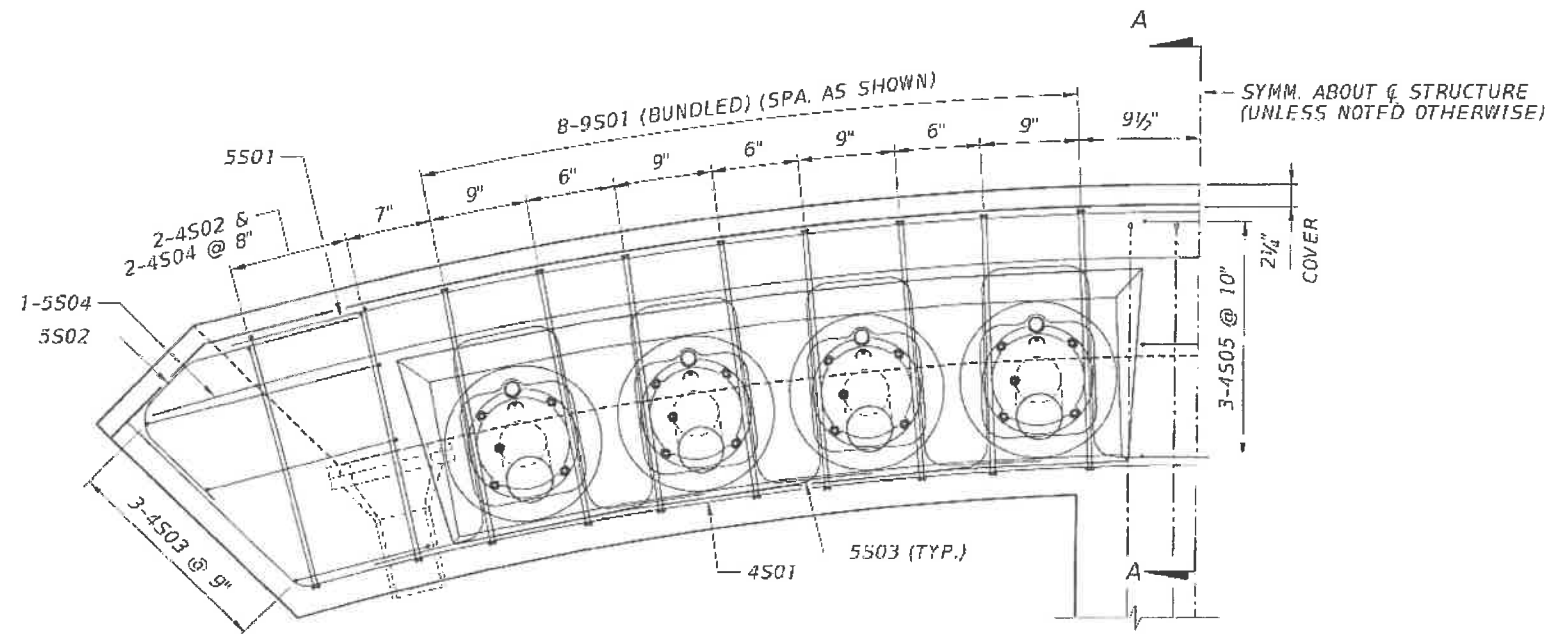
FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		ROAD NO. MIAMI-DADE COUNTY COUNTY PROJECT ID 434688-1-58-01	PROJECT NAME: UNIVERSITY CITY PROSPERITY PROJECT	SHEET NO. B-51
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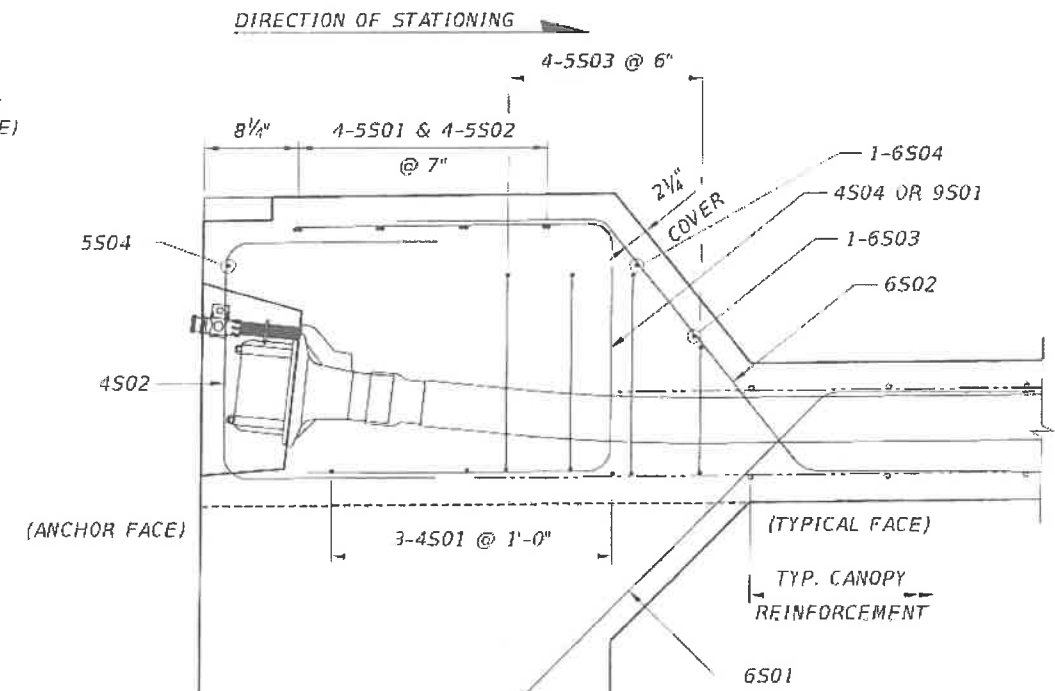
TENDON DIMENSIONS			
	TENDON	'A'	'B'
ANCHOR FACE	C1	1'-2"	1'-4 3/4"
	C2	2'-5"	1'-5 3/4"
	C3	3'-8"	1'-7 1/4"
	C4	4'-11"	1'-9 1/4"
TYPICAL FACE	C1	1'-2"	1'-8 3/4"
	C2	2'-5"	1'-9 3/4"
	C3	3'-8"	1'-11 1/4"
	C4	4'-11"	2'-1 3/4"

- NOTES:
- FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWING.
 - FOR DIAPHRAGM REINFORCEMENT, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
 - FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (1 OF 2) DRAWING.
 - FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.

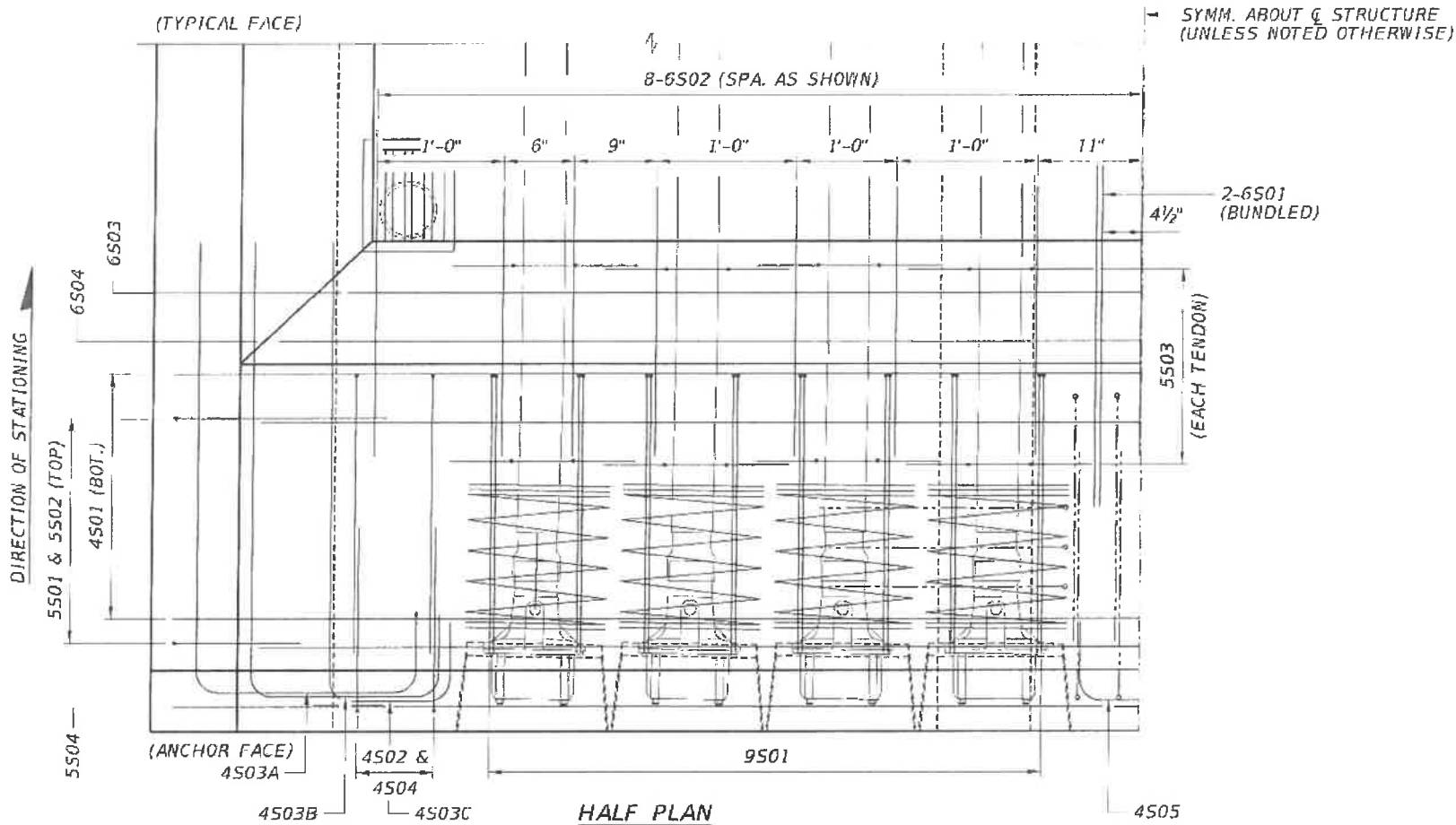
REVISIONS						ENGINEER OF RECORD:		DRAWN BY:		PROJECT ID		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FIGG		KJM		ROAD NO	COUNTY	CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE I	
						424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		ENH		M/AM1 - DA0E	FLORIDA INTERNATIONAL UNIVERSITY	UNIVERSITYCITY PROSPERITY PROJECT	
													PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT
													SHEET NO. B-52



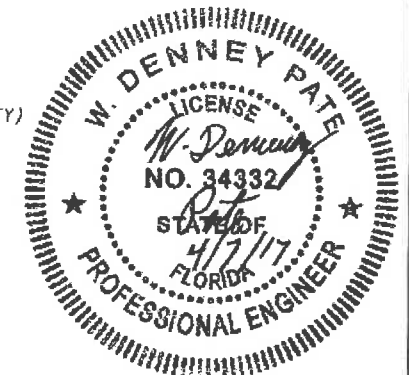
HALF CROSS-SECTION
(ANCHOR FACE - LOOKING UPSTATION)



SECTION A-A
(COLUMN REINFORCEMENT NOT SHOWN FOR CLARITY)



HALF PLAN

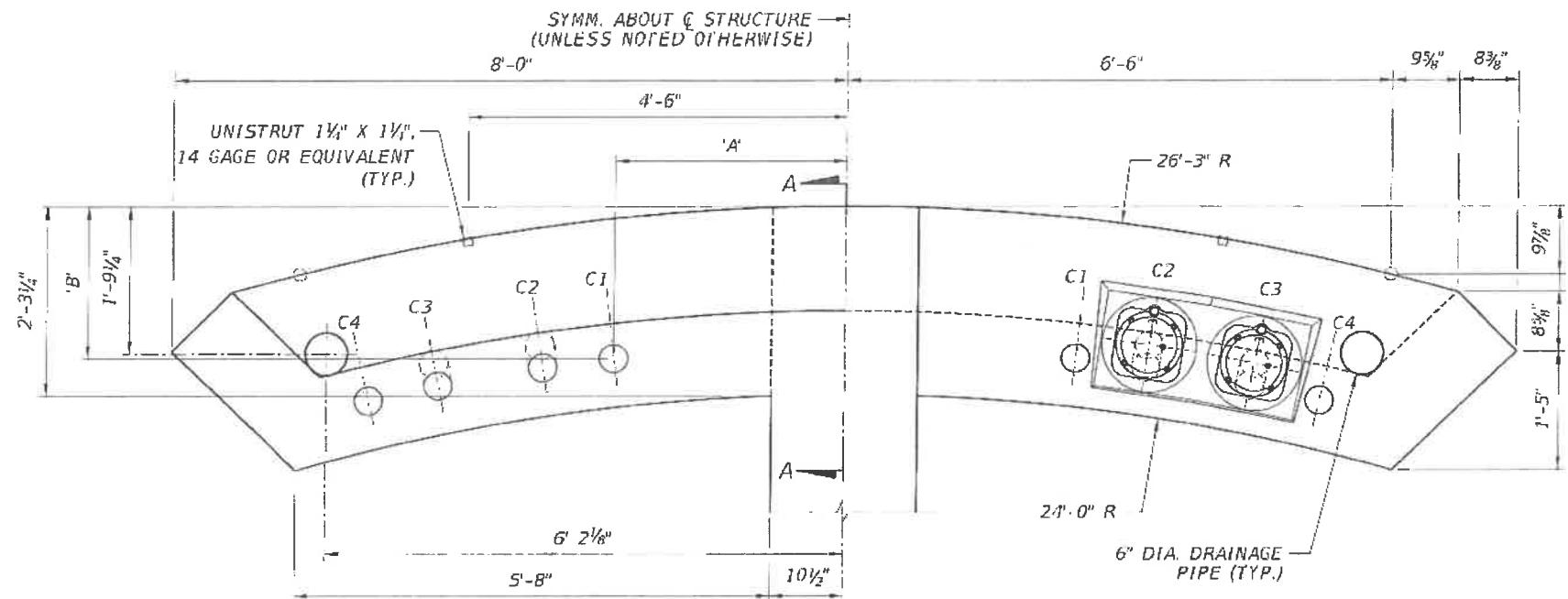


NOTES:

1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
3. FOR TYPICAL CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT & P.T. MAIN SPAN DRAWING.
4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN SECTION A-A FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE

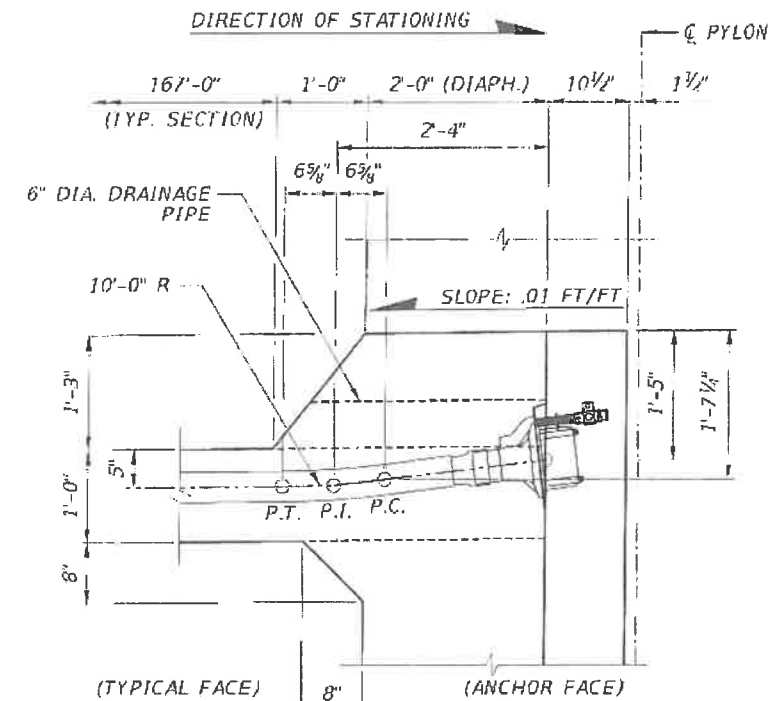
REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	DESCRIPTION	NO.	DESCRIPTION

<p>424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818 W. DENNEY PATE, P.E. - P.E. NO. 34332</p>		<p>DRAWN BY: KJM CHECKED BY: ENH DESIGNED BY: ENH CHECKED BY: MF</p>	<p>FIU FLORIDA INTERNATIONAL UNIVERSITY</p> <p>ROAD NO. COUNTY PROJECT ID MIAMI-DADE 434688-1-58-01</p>	<p>PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT</p> <p>SHEET NO. B-53</p>
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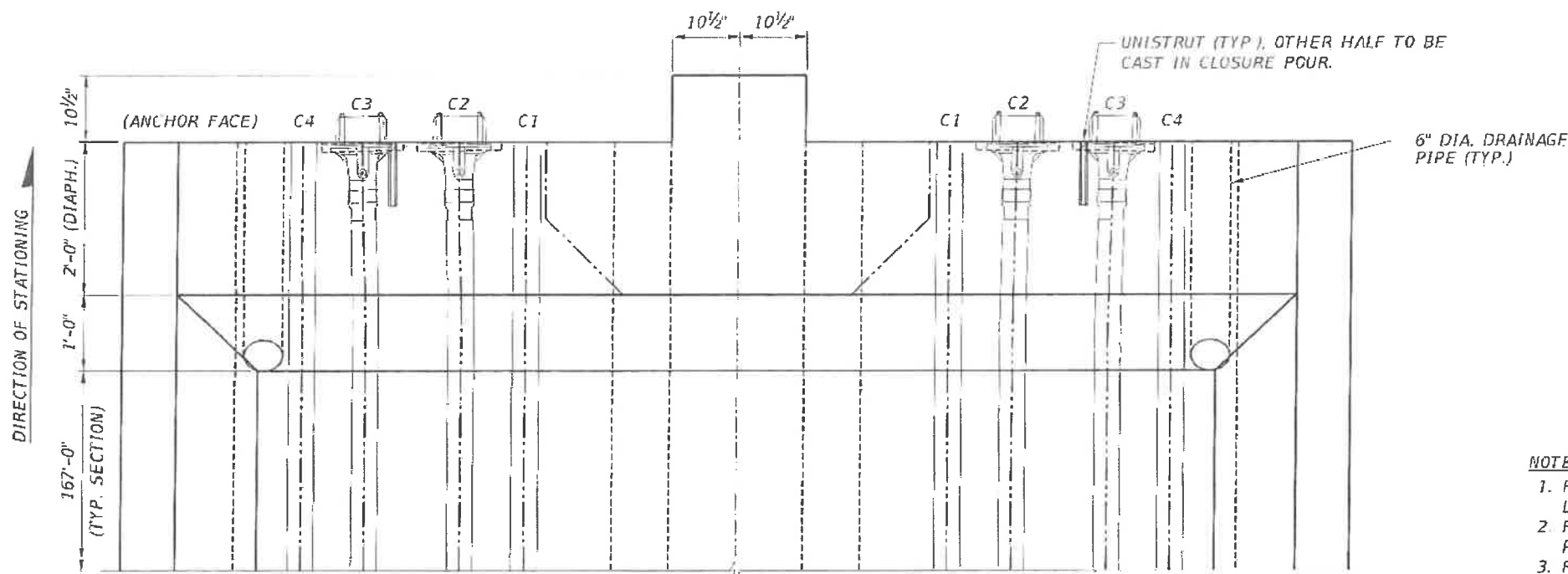
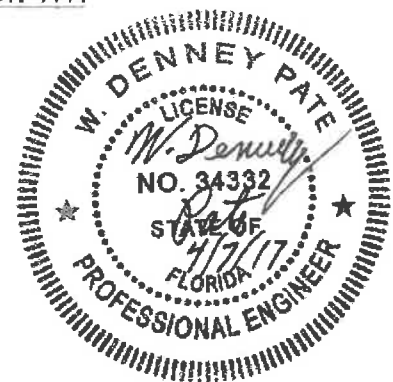


HALF CROSS-SECTION
(TYPICAL FACE - LOOKING UPSTATION)

HALF CROSS-SECTION
(ANCHOR FACE - LOOKING DOWNSTATION)



SECTION A-A



(TYPICAL FACE)

PLAN

TENDON DIMENSIONS			
	TENDON	'A'	'B'
ANCHOR FACE	C1	2'-9"	1'-9 1/8"
	C2	3'-7 1/2"	1'-8"
	C3	4'-10 1/2"	1'-10 5/8"
	C4	5'-8"	2'-4"
TYPICAL FACE	C1	2'-9"	1'-9 1/8"
	C2	3'-7"	1'-11 1/8"
	C3	4'-10"	2'-1 3/4"
	C4	5'-8"	2'-4"

NOTES:

- FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWINGS.
- FOR DIAPHRAGM REINFORCEMENT, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
- FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (1 OF 2) DRAWING.
- FOR ADDITIONAL DRAINAGE PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
- THE UNISTRUT SHALL BE PROJECTED 1/4" FROM FACE OF CANOPY DIAPHRAGM. THE TOTAL UNISTRUT LENGTH IS EQUAL TO 1'-8".

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: KJM
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: MF

FLORIDA INTERNATIONAL UNIVERSITY

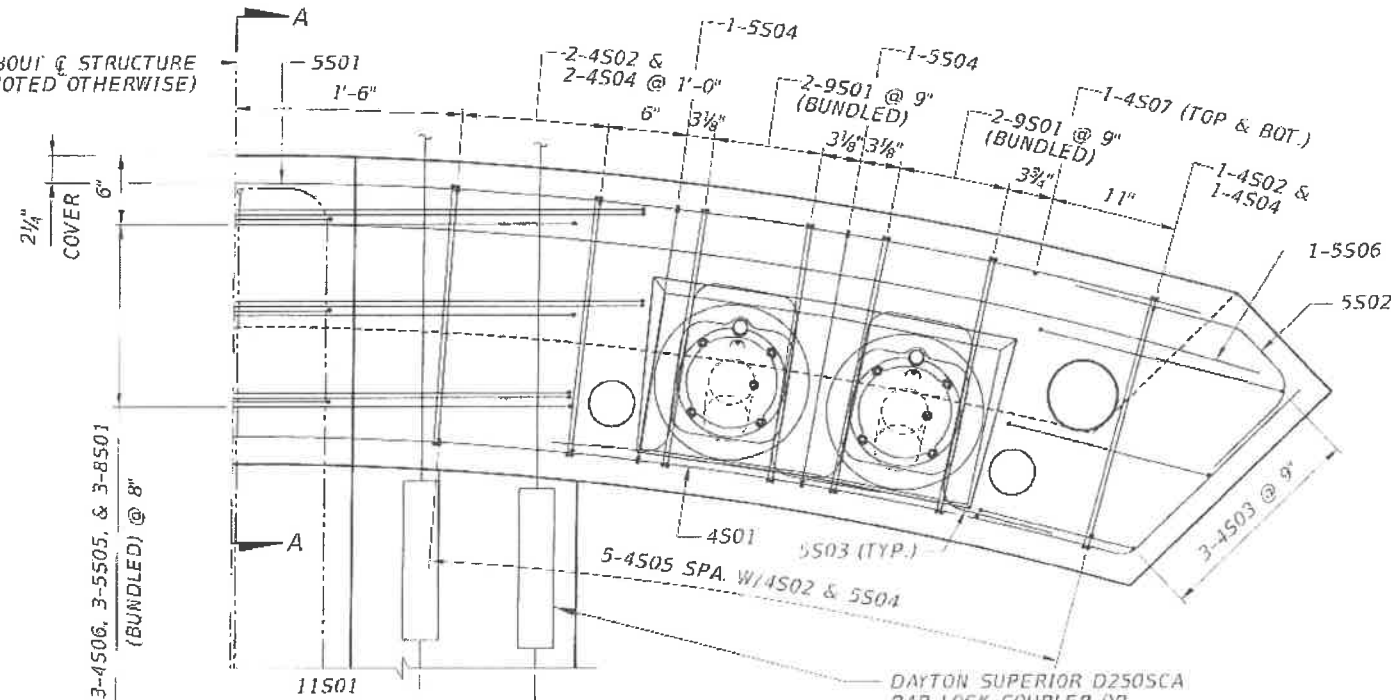
ROAD NO. MIAMI - DACE COUNTY PROJECT ID 434688-1-58-01

SHEET TITLE: CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE II

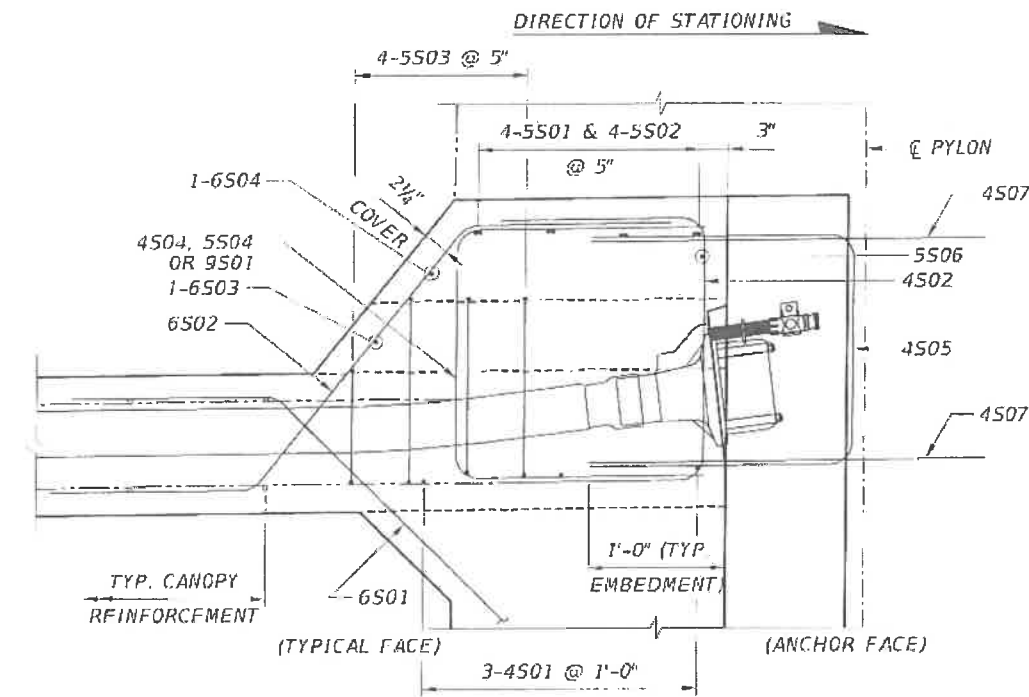
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

Sheet NO. B-54

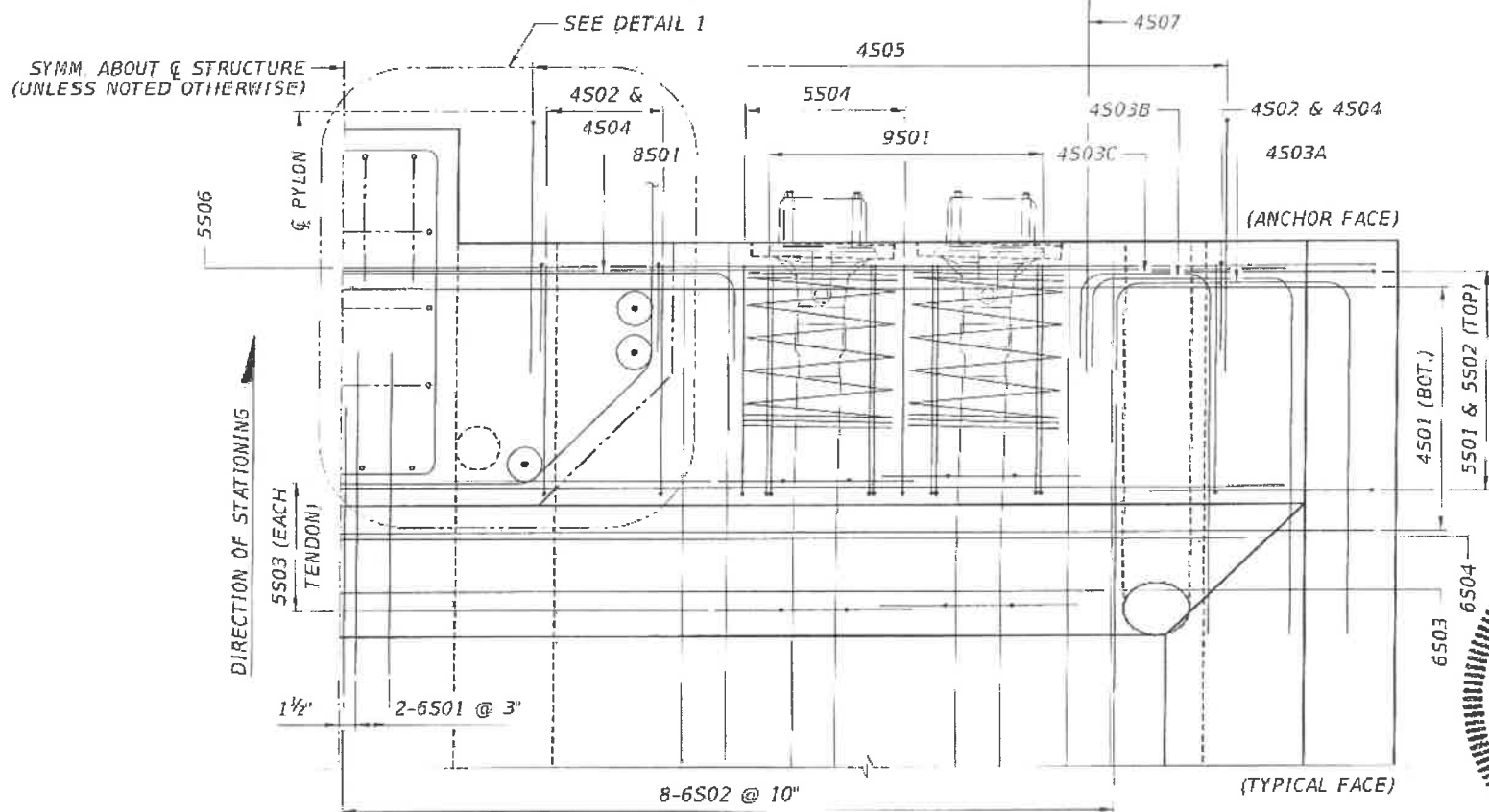
SYMM. ABOUT ϕ STRUCTURE
(UNLESS NOTED OTHERWISE)



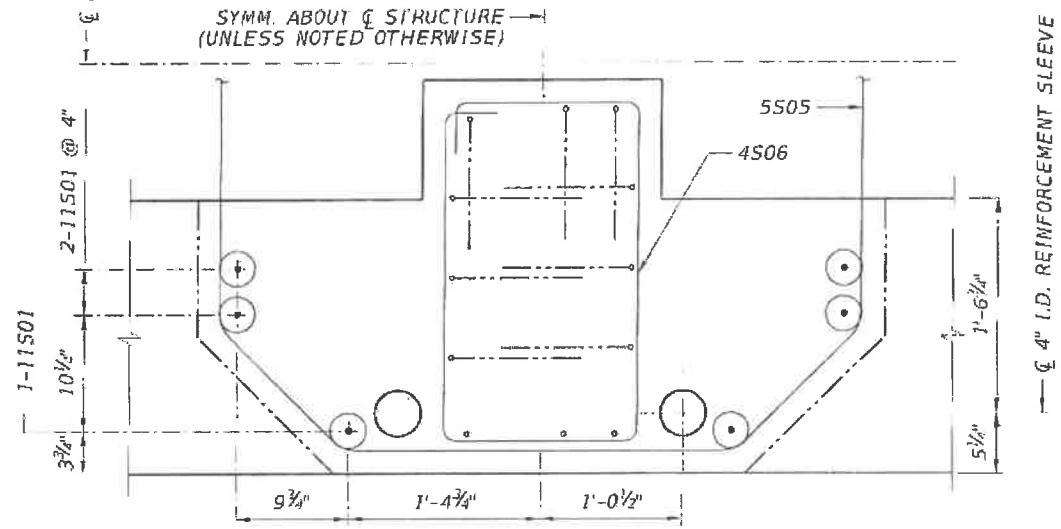
HALF CROSS-SECTION
(ANCHOR FACE - LOOKING DOWNSTATION)



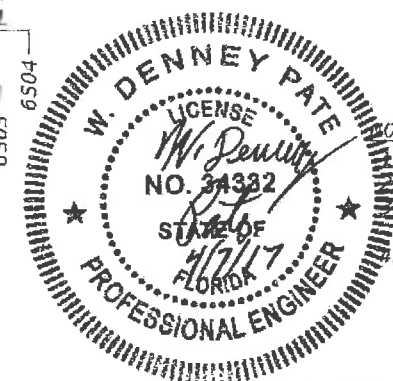
SECTION A-A
(PYLON REINFORCEMENT NOT SHOWN FOR CLARITY)



HALF PLAN



DETAIL 1



NOTES:
 CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 FOR TYPICAL CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT & P.T. MAIN SPAN DRAWING.
 TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN SECTION A-A FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
FIGG
 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

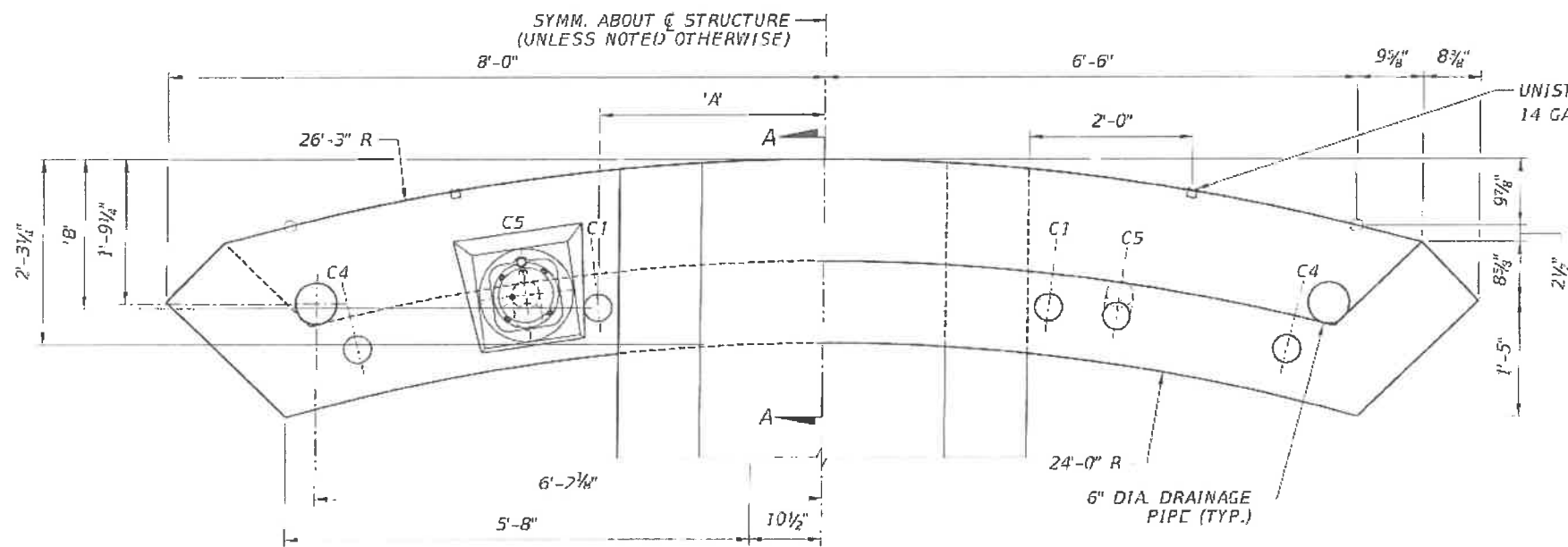
DRAWN BY: KJM
 CHECKED BY: EAH
 DESIGNED BY: EAH
 CHECKED BY: MF

FTU FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

SHEET TITLE:
CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II

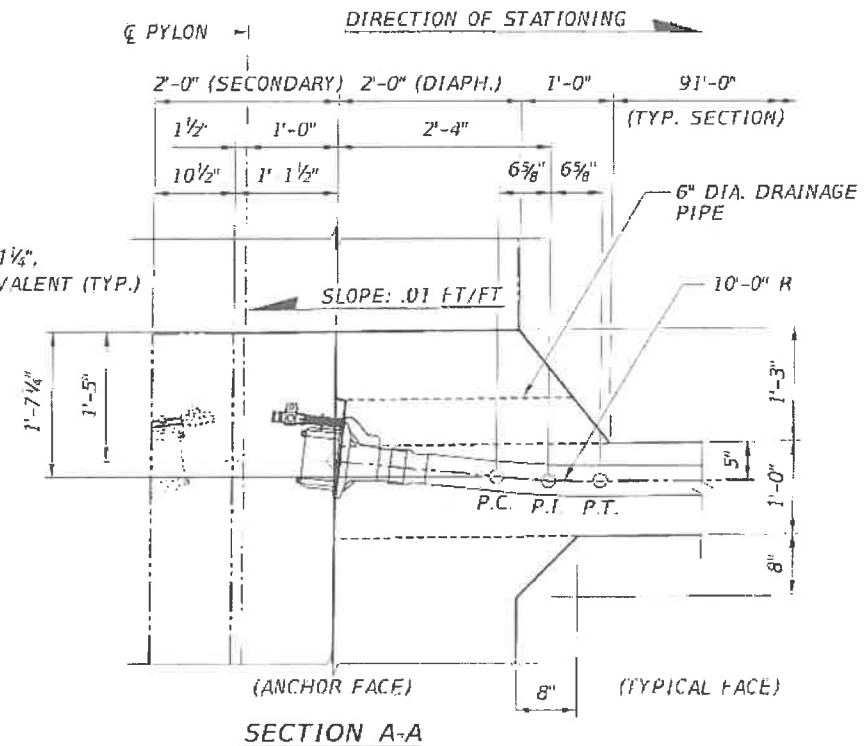
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO.
B-55

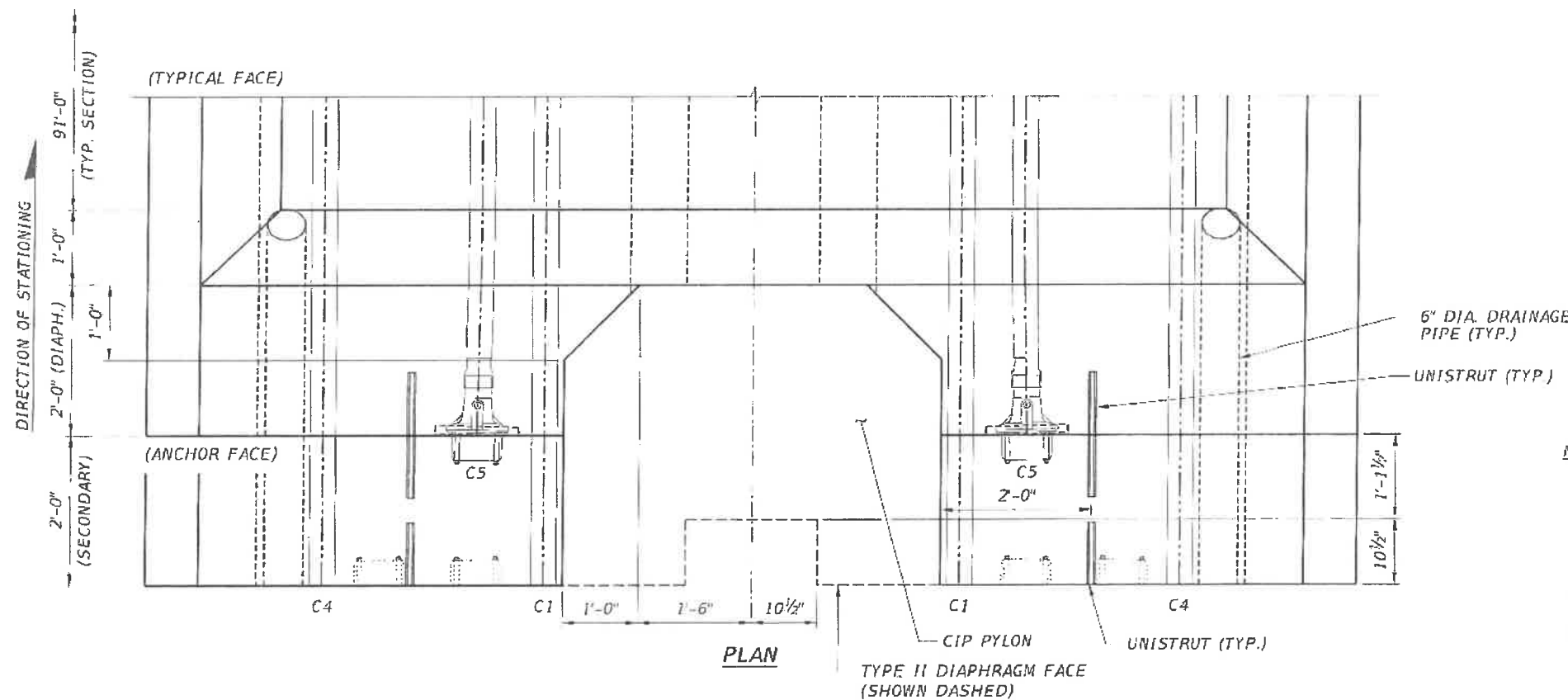


HALF CROSS-SECTION
(ANCHOR FACE - LOOKING UPSTATION)

HALF CROSS-SECTION
(TYPICAL FACE - LOOKING DOWNSTATION)



SECTION A-A



PLAN

TENDON DIMENSIONS		
TENDON	'A'	'B'
C1	2'-9"	1'-9 1/2"
C5	3'-7 1/2"	1'-8"
C4	5'-8"	2'-4"
C1	2'-9"	1'-9 1/2"
C5	3'-7"	1'-11 1/8"
C4	5'-8"	2'-4"

NOTES:

1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWINGS.
2. FOR DIAPHRAGM REINFORCEMENT, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
3. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (2 OF 2) DRAWING.
4. FOR ADDITIONAL DRAINAGE PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
5. THE UNISTRUT SHALL BE PROJECTED 1/4" FROM THE FACE OF THE CANOPY DIAPHRAGM. THE UNISTRUT TOTAL LENGTH IS EQUAL TO 1'-8". HALF OF THE UNISTRUT SHALL BE CAST IN THE CLOSURE POUR.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: K/JH
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: HF

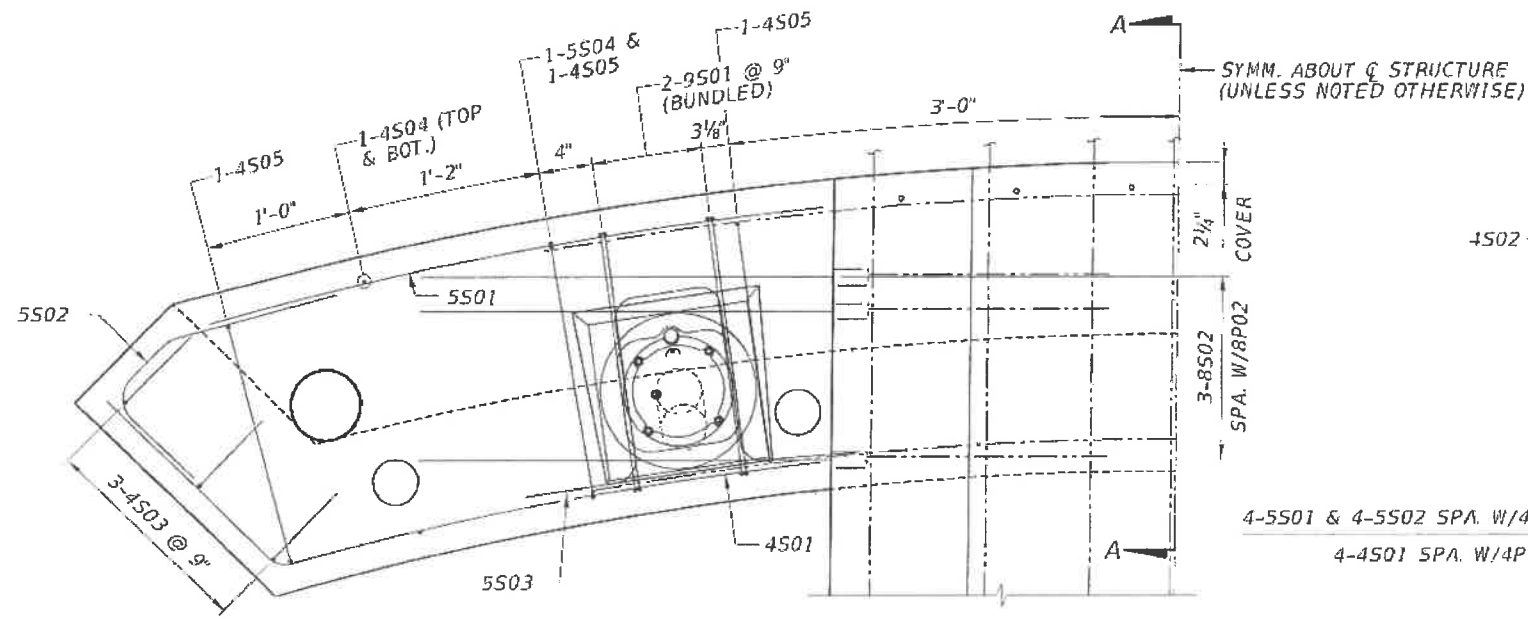
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

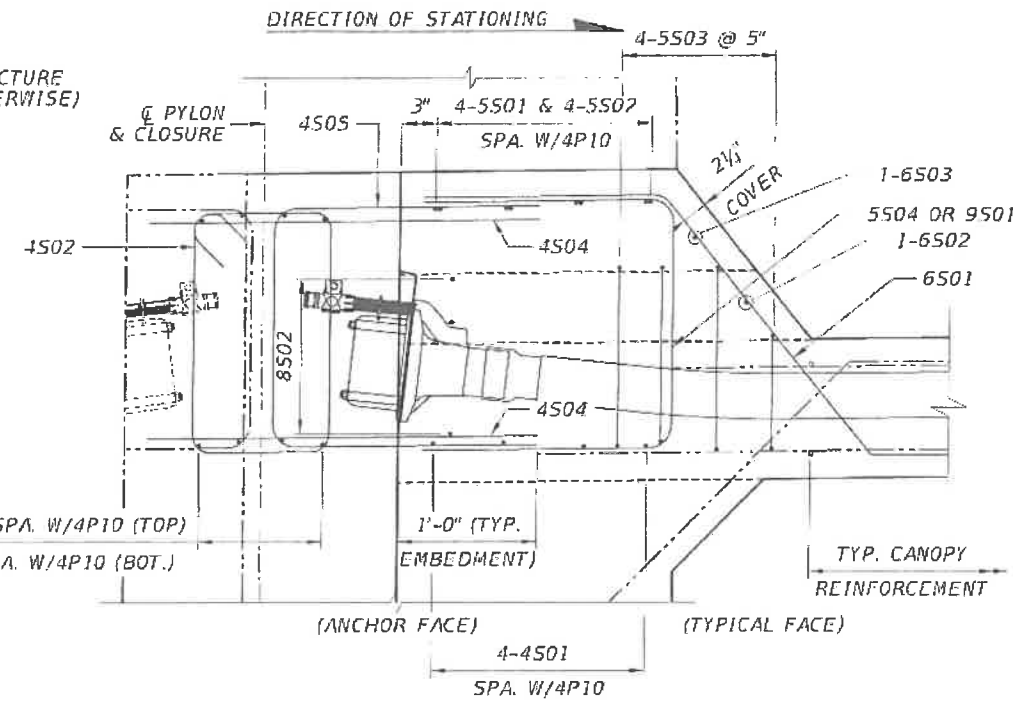
PROJECT TITLE:
 CANOPY END DIAPHRAGM DIMENSIONS & P.T. - TYPE III

PROJECT NAME:
 UNIVERSITY CITY PROSPERITY PROJECT

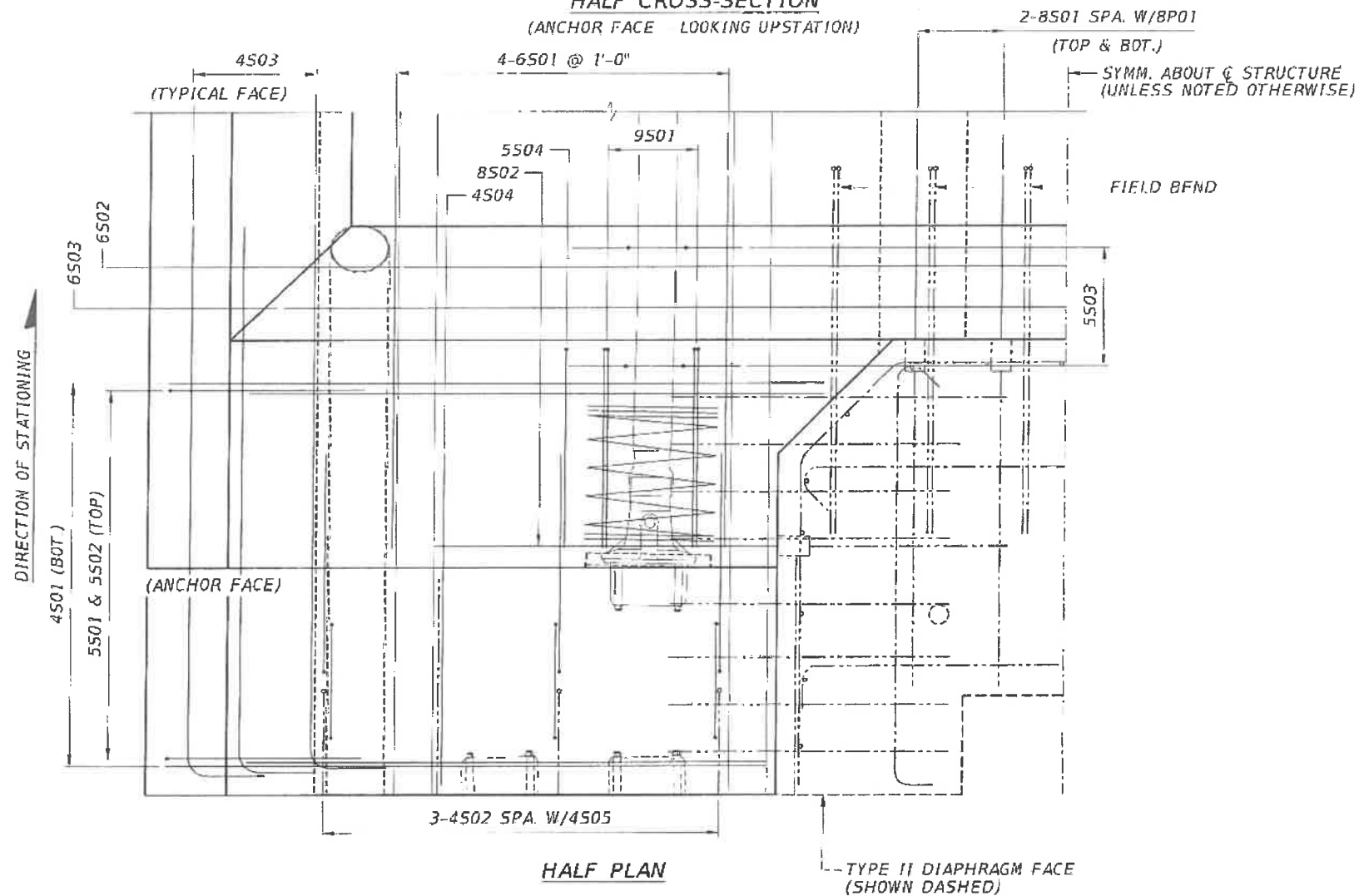
SH-SHEET NO.
 B-56



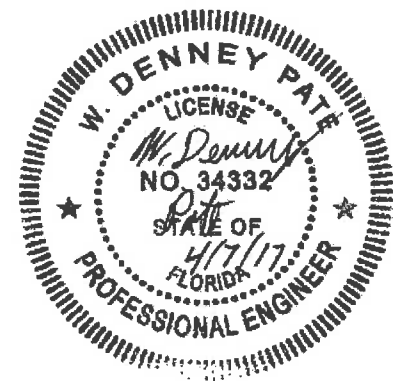
HALF CROSS-SECTION
(ANCHOR FACE LOOKING UPSTATION)



SECTION A-A
(PYLON REINFORCEMENT NOT SHOWN FOR CLARITY)

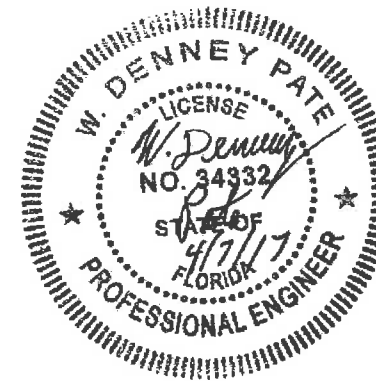
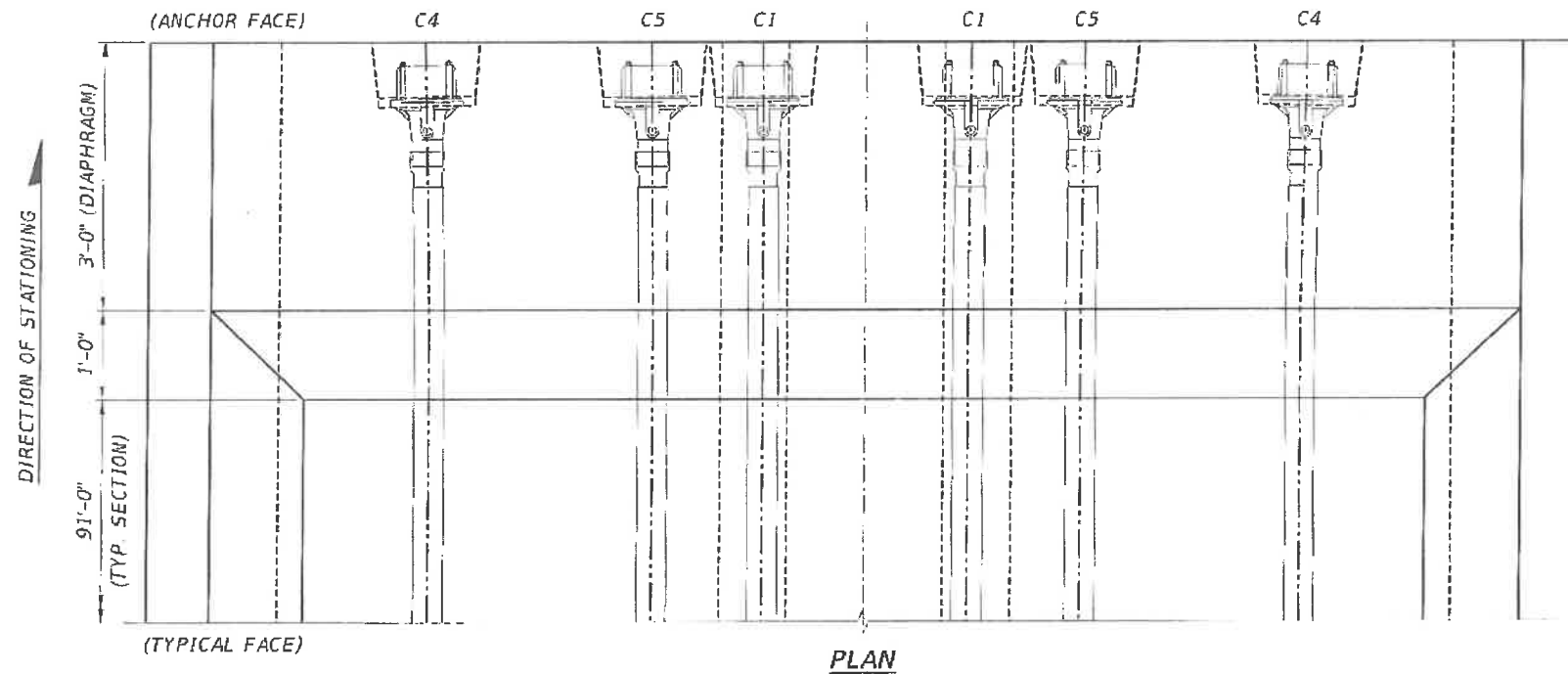
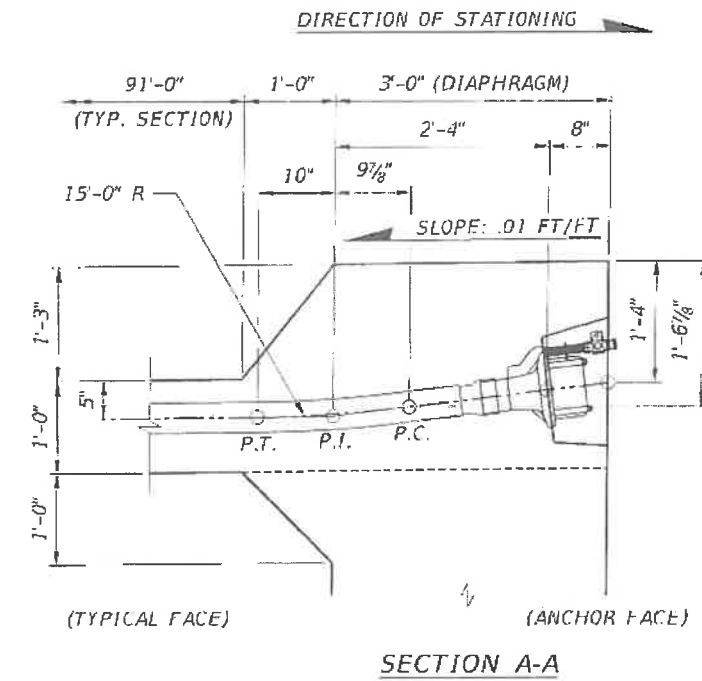
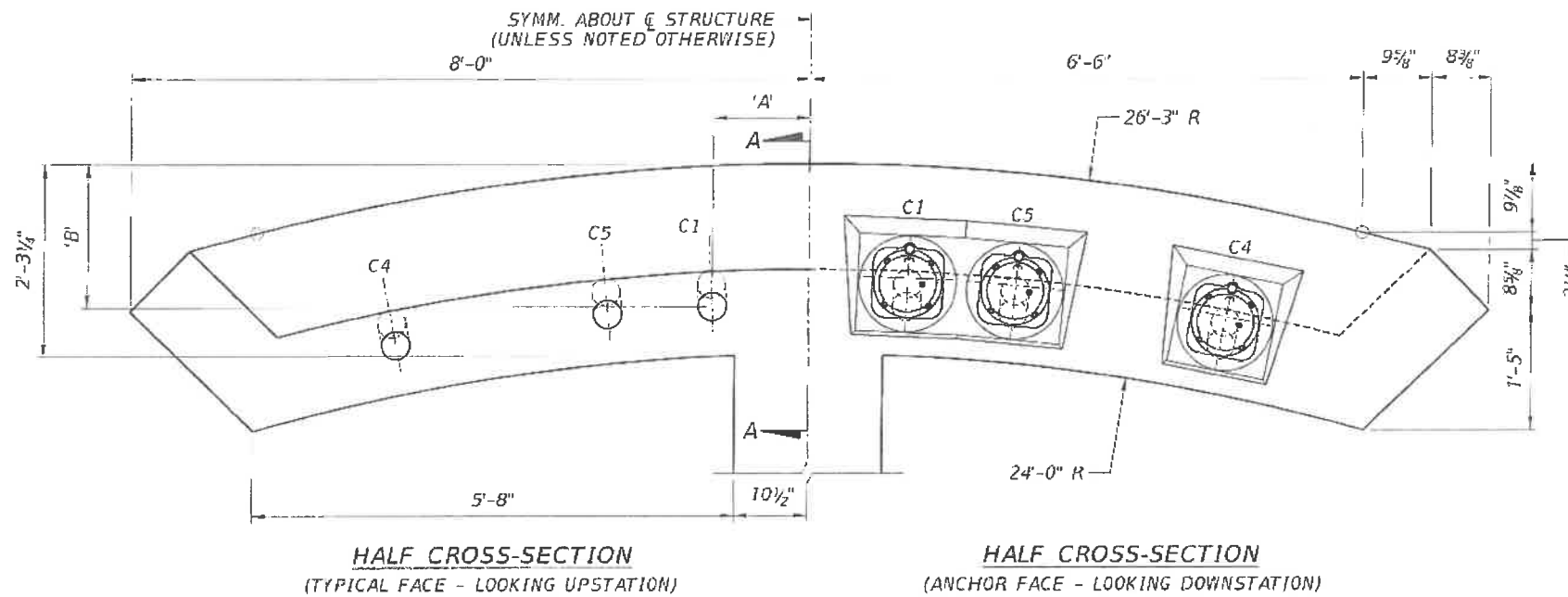


HALF PLAN



- NOTES:**
1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. FOR TYPICAL CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT & P.T. BACK SPAN DRAWING.
 4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN SECTION A-A FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

REVISIONS				ENGINEER OF RECORD		DRAWN BY		PROJECT NAME	
DATE	BY	DESCRIPTION	DATE	BY	FIGG	KJM	CANOPY END DIAPHRAGM REINFORCEMENT - TYPE III		
					424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5518 W. DENNEY PATE, P.E. - P.E. NO. 34332	CHECKED BY: LHM	UNIVERSITYCITY PROSPERITY PROJECT		
						DESIGNED BY: ETW	ROAD NO.	COUNTY	PROJECT ID
						CHECKED BY: MF		MIAMI-DADE	434688-1-58-01
									PROJECT NAME:
									UNIVERSITYCITY PROSPERITY PROJECT
									SHEET NO.
									B-57

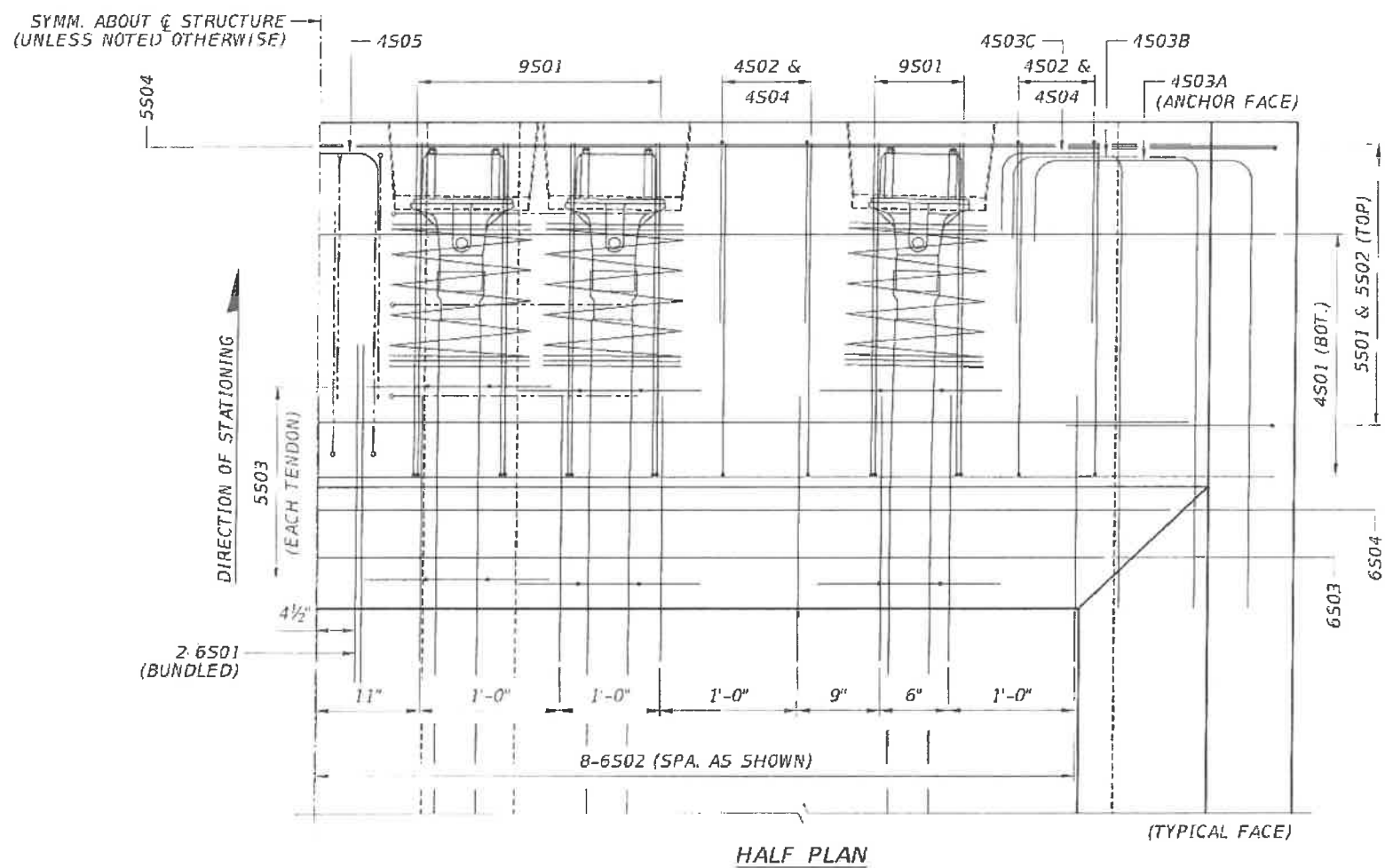
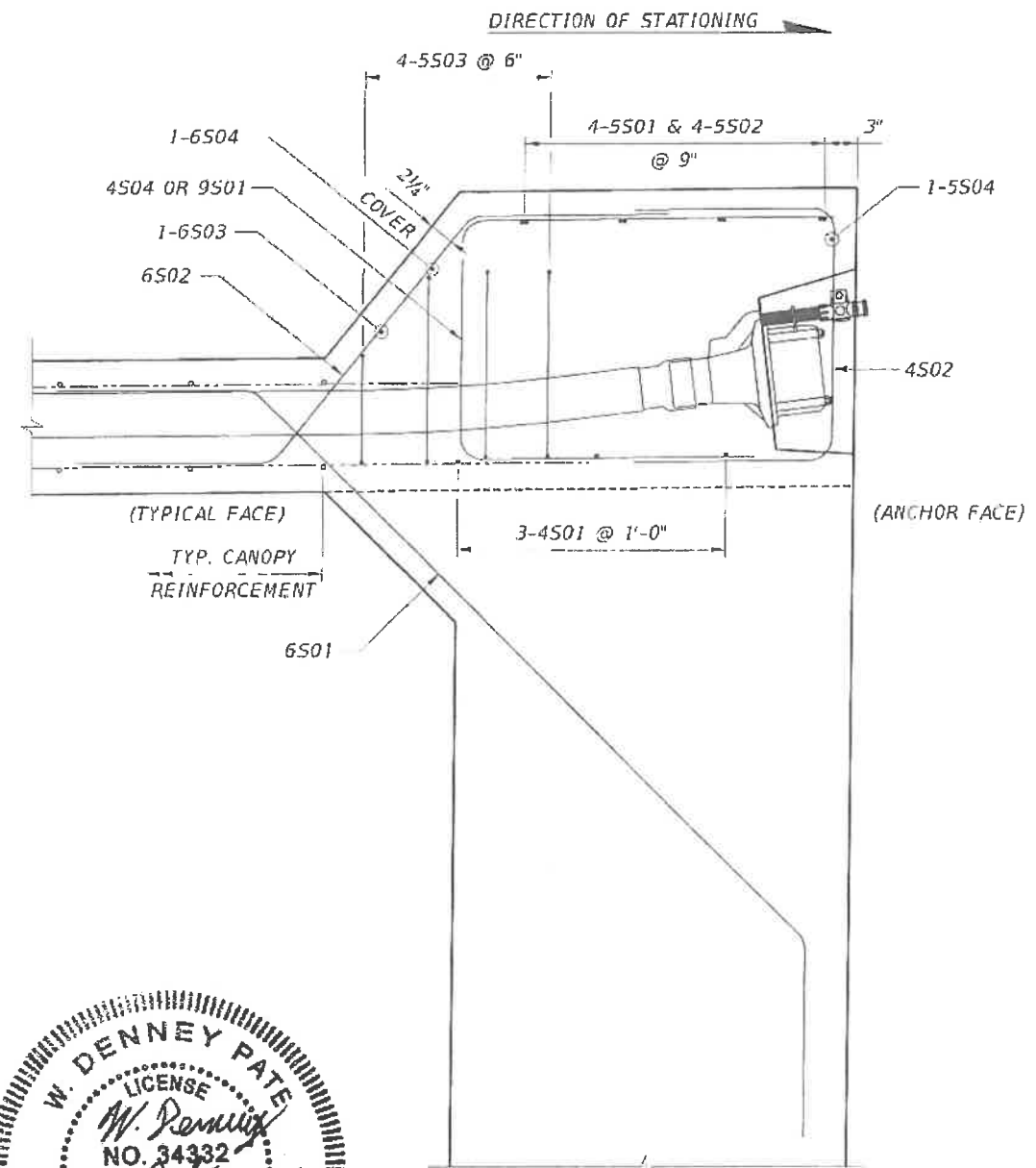
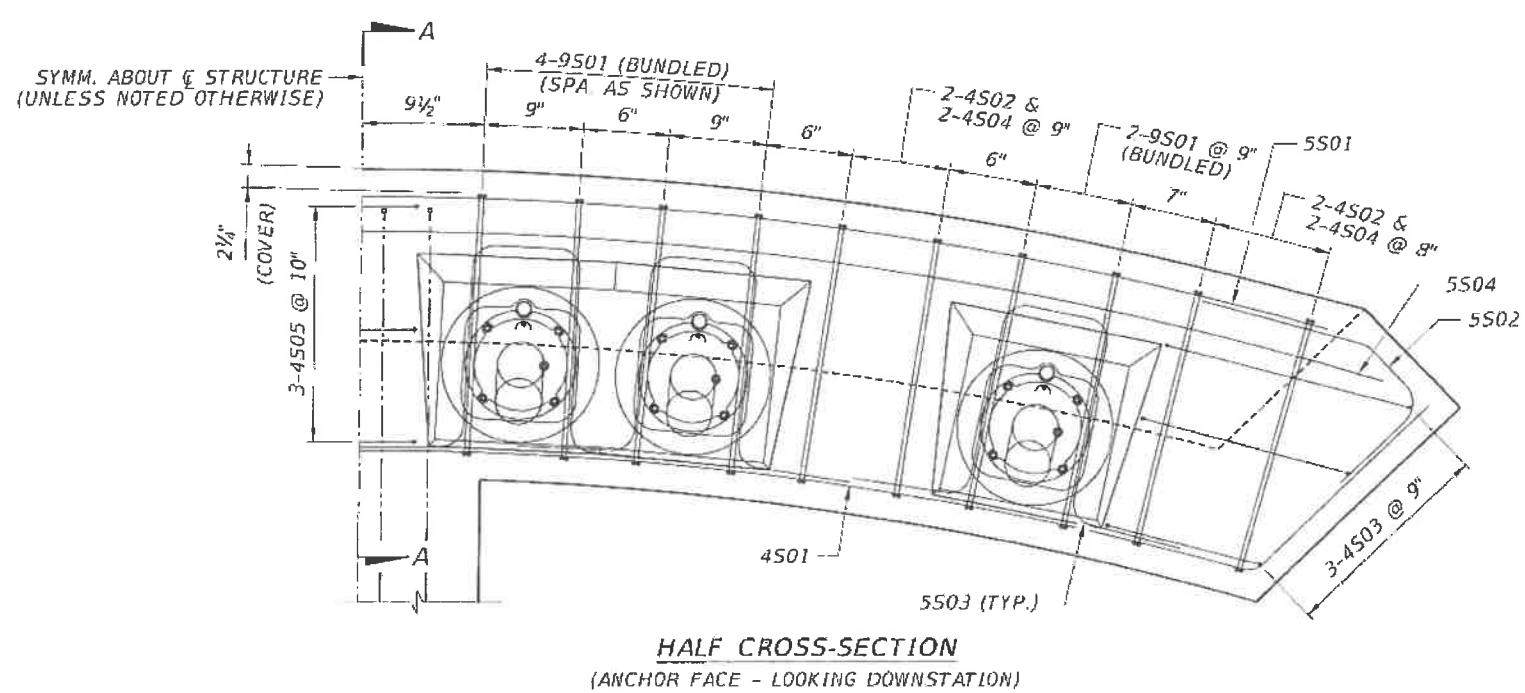


TENDON DIMENSIONS			
	TENDON	'A'	'B'
TYPICAL ANCHOR FACE	C1	1'-2"	1'-4 3/4"
	C5	2'-5"	1'-5 3/4"
	C4	4'-11"	1'-9 1/2"
TYPICAL ANCHOR FACE	C1	1'-2"	1'-8 3/4"
	C5	2'-5"	1'-9 3/4"
	C4	4'-11"	2'-1 3/4"

NOTES:

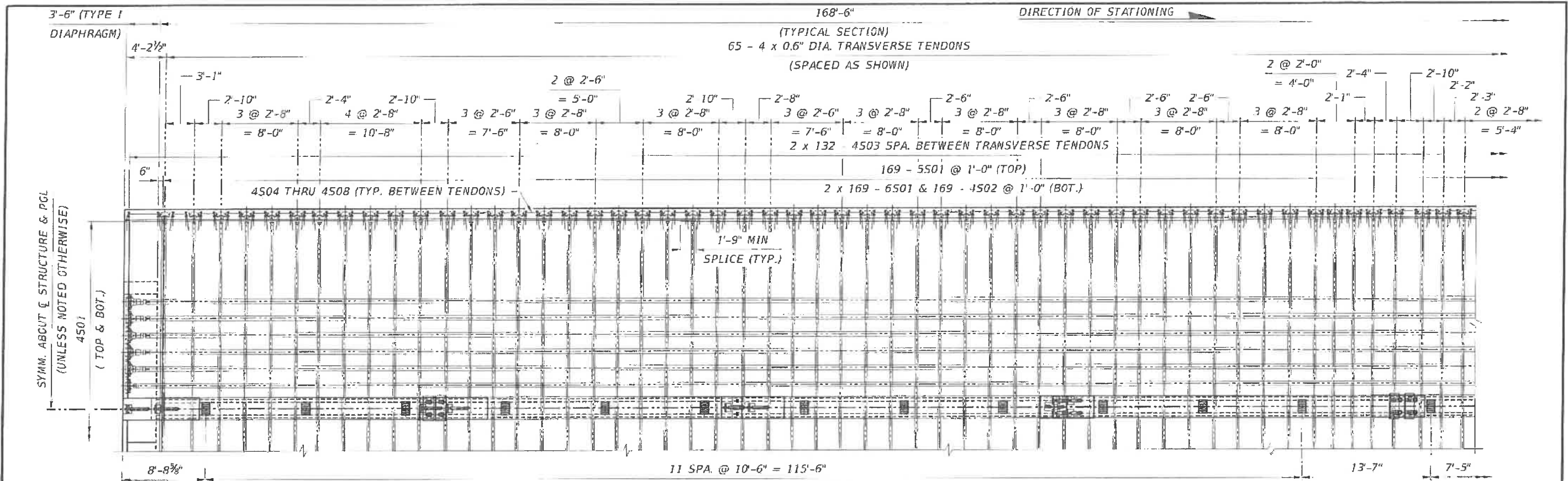
1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR DIAPHRAGM REINFORCEMENT, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
3. FOR ADDITIONAL LONGITUDINAL TENDON DETAILS, SEE LONGITUDINAL P.T. DETAILS (2 OF 2) DRAWING.

REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		PROJECT ID:		PROJECT NAME:		SHEET NO.	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	NAME	NO.	NO.	NO.	NO.	NO.	NO.	NO.
						W. DENNEY PATE	34932	434688-1-58-01	UNIVERSITYCITY PROSPERITY PROJECT				B-58



- NOTES:**
1. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 2. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 3. FOR TYPICAL CANOPY REINFORCEMENT, SEE CANOPY REINFORCEMENT & P.T. BACK SPAN DRAWING.
 4. TENDON LOCAL ZONE REINFORCEMENT NOT SHOWN IN SECTION A-A FOR CLARITY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICT WITH REINFORCEMENT NEAR THE ANCHOR FACE.

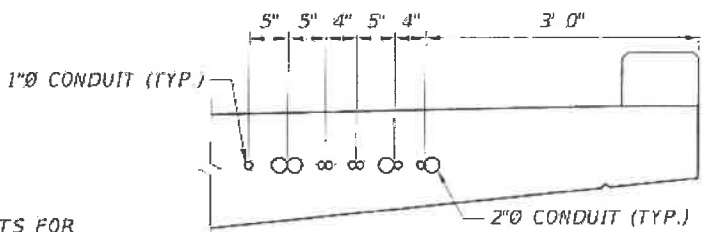
REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		PROJECT ID:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	KJM	FIU	ROAD NO.	COUNTY	PROJECT ID	PROJECT NAME:
							FLORIDA INTERNATIONAL UNIVERSITY <td></td> <td>MIAMI-DADE</td> <td>434688-1-58-01 <td>UNIVERSITYCITY PROSPERITY PROJECT</td> </td>		MIAMI-DADE	434688-1-58-01 <td>UNIVERSITYCITY PROSPERITY PROJECT</td>	UNIVERSITYCITY PROSPERITY PROJECT
424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332											SHEET NO.
											8-59



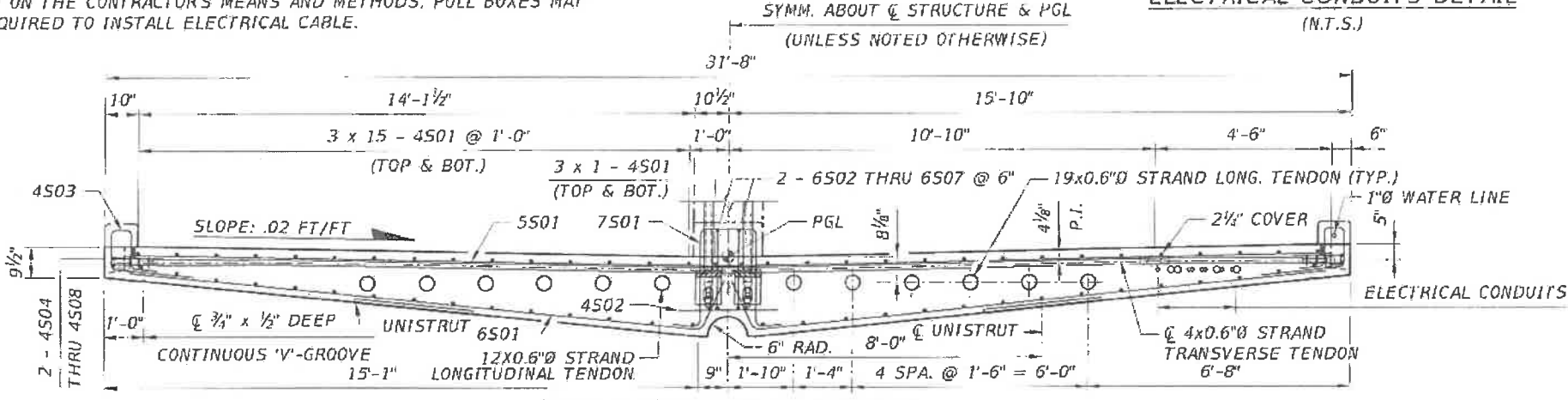
NOTES:

1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM P.T. BAR DETAILS DRAWING.
2. FOR TYPE I DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
3. FOR TYPE II DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE MAIN SPAN TRUSS SYSTEM REINFORCEMENT DRAWINGS.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
8. SUPPORT TO REMAIN WITHIN LIMITS OF DIAPHRAGM DURING SPMT TRANSPORT.
9. MAIN SPAN ELEMENT TO REMAIN VERTICAL DURING SPMT TRANSPORT.
10. THE UNISTRUT SHALL BE PROJECTED 1/4" FROM FACE OF DECK. THE UNISTRUT LENGTH IS EQUAL TO 3'-0"
11. PLACE TWO (2) ADDITIONAL 4503 BARS PER FENCE POST. SEE MISSILE GUARD AND RAILING DETAILS SHEETS FOR POST SPACING AND BAR PLACEMENT.
12. BASED ON THE CONTRACTOR'S MEANS AND METHODS, PULL BOXES MAY BE REQUIRED TO INSTALL ELECTRICAL CABLE.

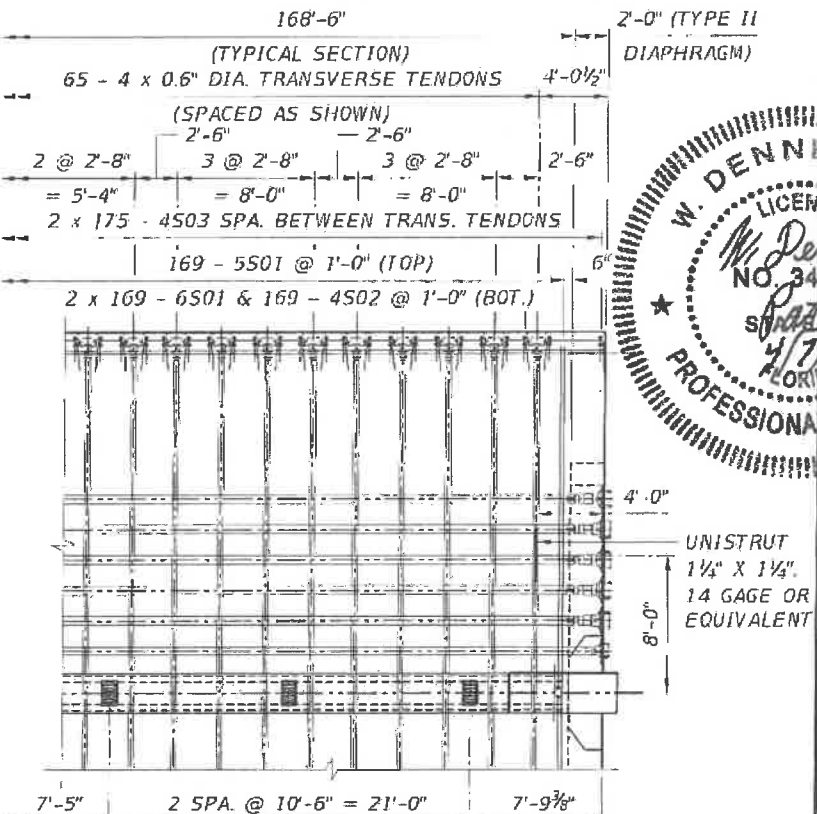
PARTIAL PLAN
(DISTORTED VERTICAL SCALE)



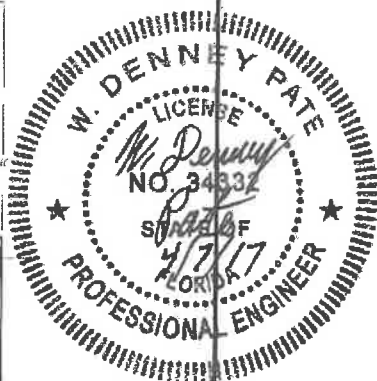
ELECTRICAL CONDUITS DETAIL
(N.T.S.)



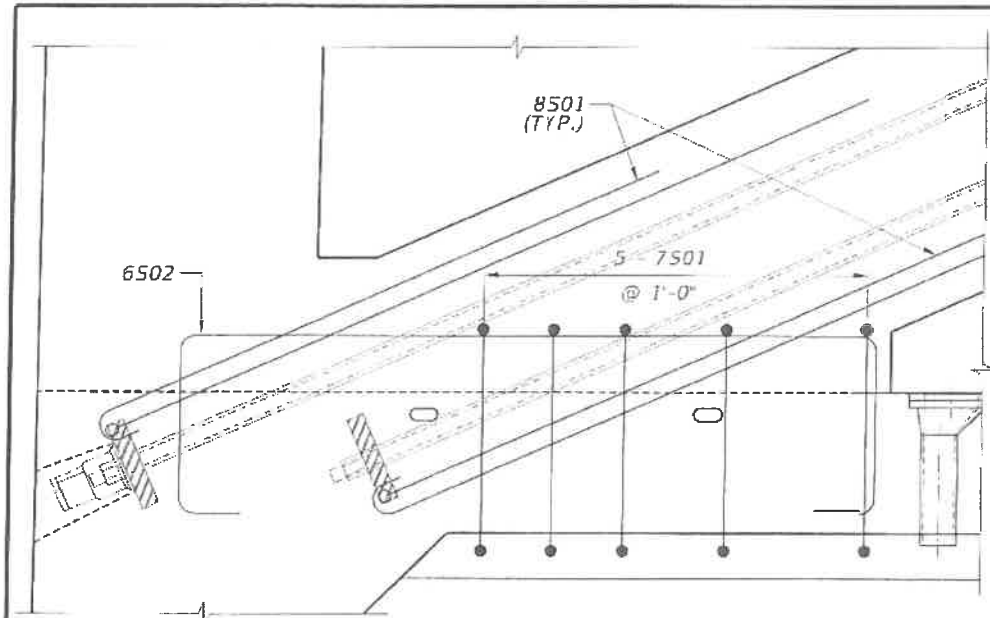
LONG TENDON CROSS SECTION
(LOOKING UPSTATION)



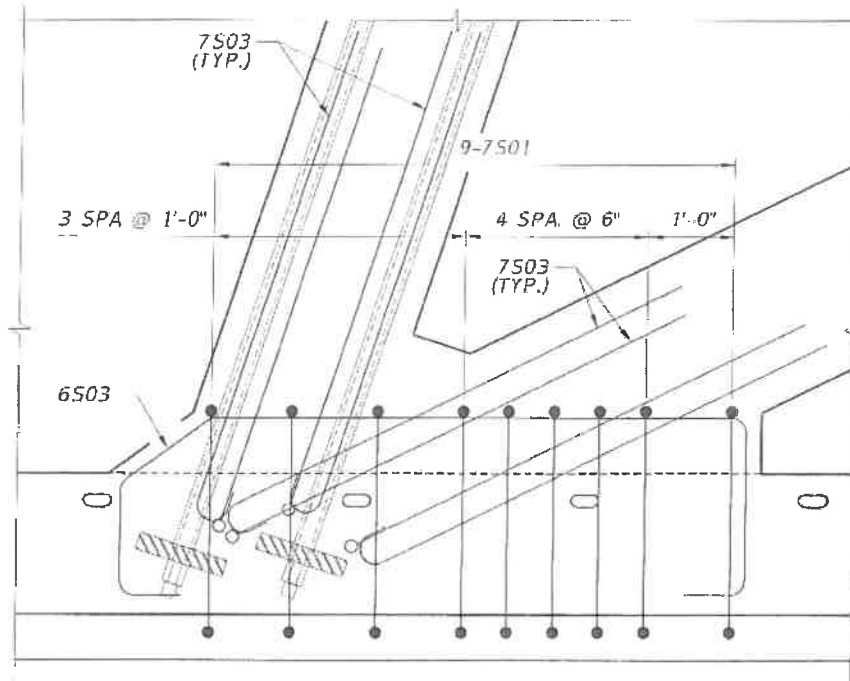
PARTIAL PLAN (CONT.)
(DISTORTED VERTICAL SCALE)



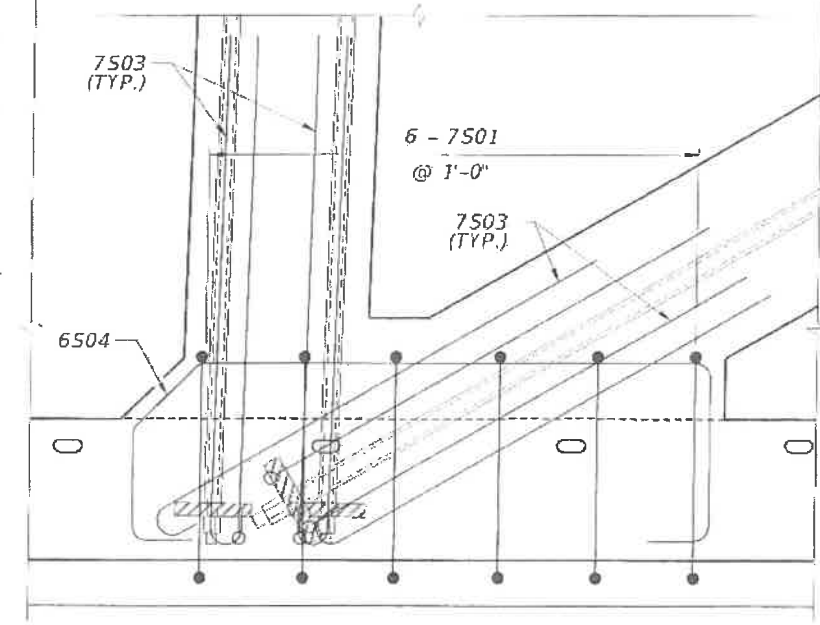
REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		PROJECT ID:		PROJECT NAME:		HEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	FIU	ROAD NO.	COUNTY	PROJECT ID	PROJECT NAME:	HEET NO.
						DCB	FIU		MIAMI-DADE	434688-1-58-01	UNIVERSITYCITY PROSPERITY PROJECT	B-60



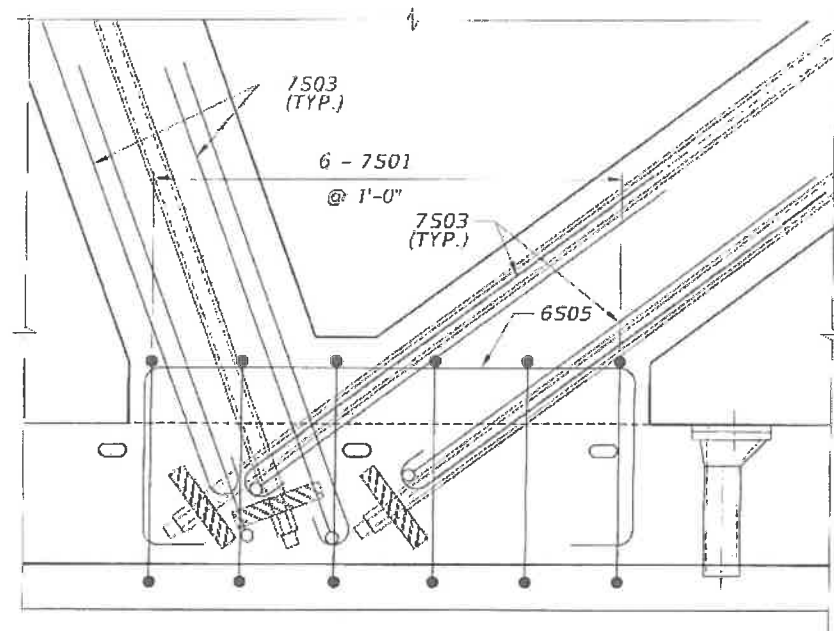
**TRUSS MEMBERS 1 & 2
CONNECTION DETAIL**



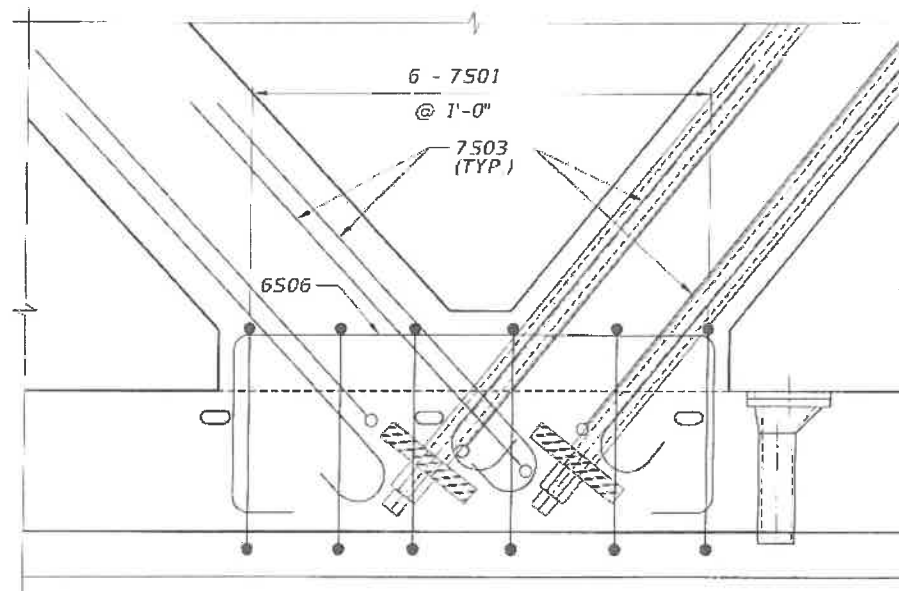
**TRUSS MEMBERS 3 & 4
CONNECTION DETAIL**



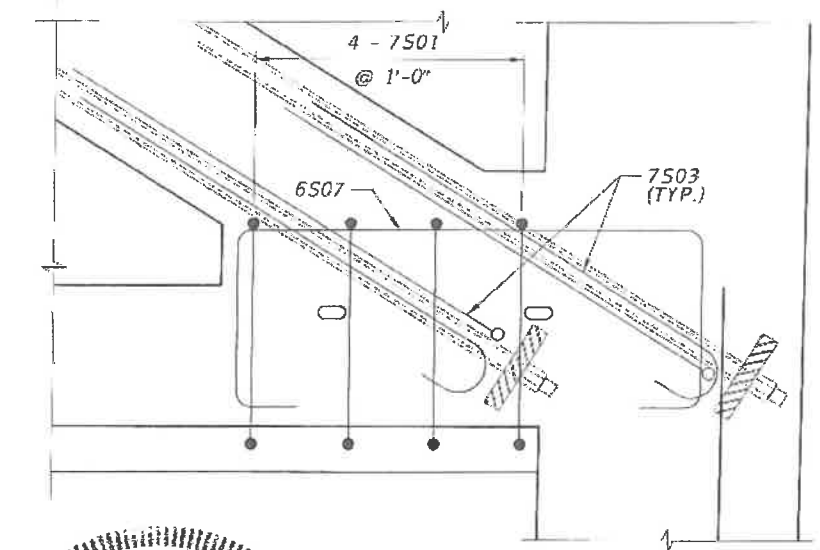
**TRUSS MEMBERS 5 & 6
CONNECTION DETAIL**



**TRUSS MEMBERS 7 & 8
CONNECTION DETAIL**



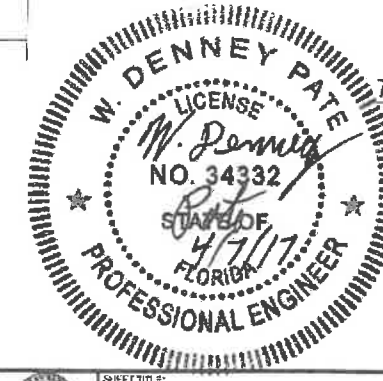
**TRUSS MEMBERS 9 & 10
CONNECTION DETAIL**




**TRUSS MEMBERS 11 & 12
CONNECTION DETAIL**

NOTES:

1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM P.T. BAR DETAILS DRAWING
2. FOR TYPE I DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
3. FOR TYPE II DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE MAIN SPAN TRUSS SYSTEM REINFORCEMENT DRAWINGS.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST SHEETS.

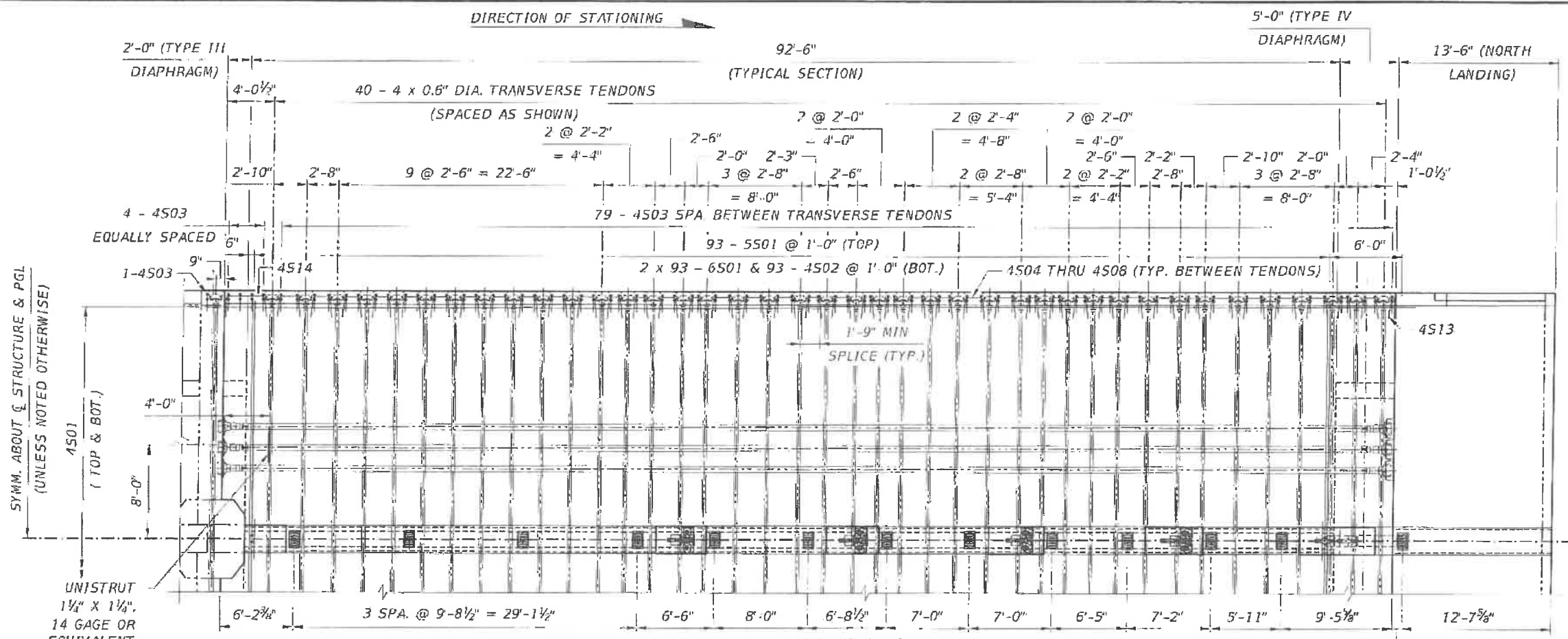


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

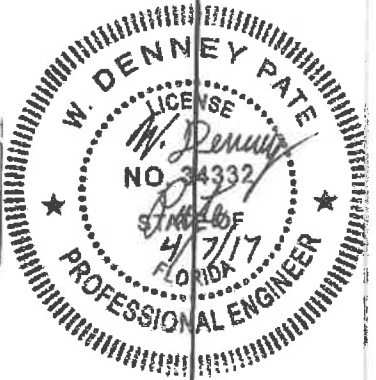
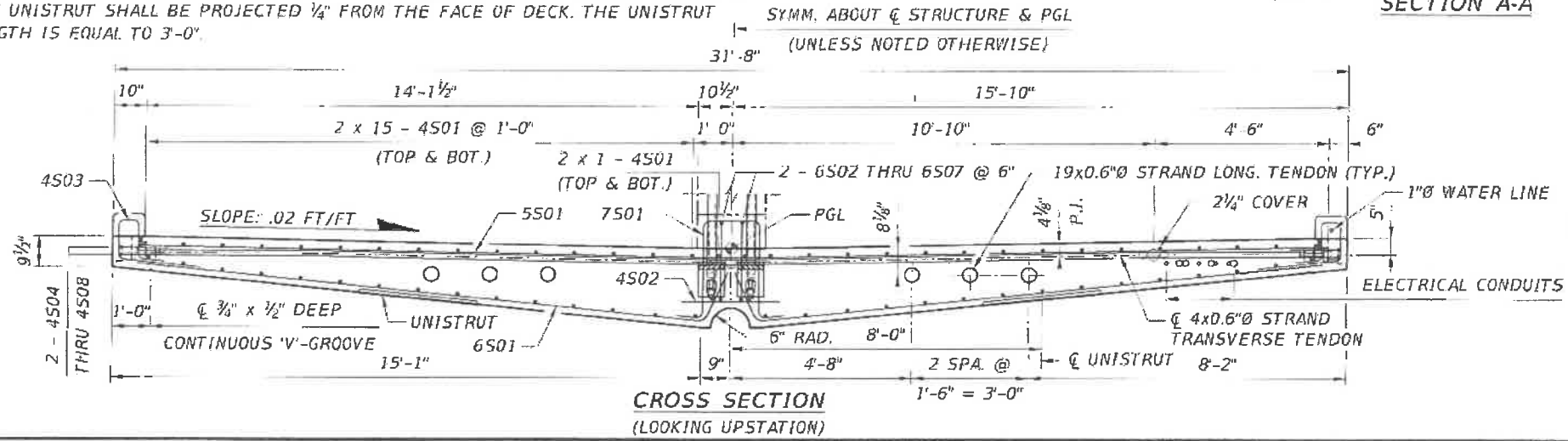
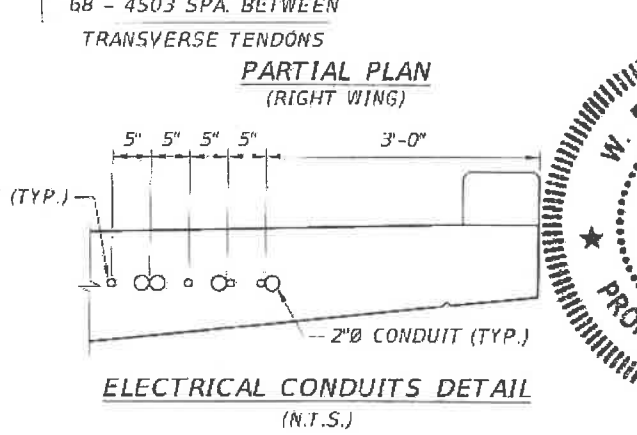
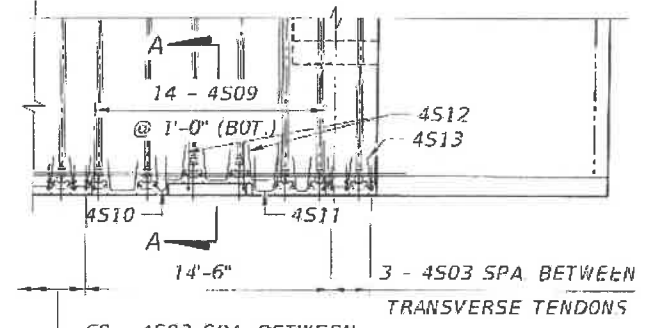
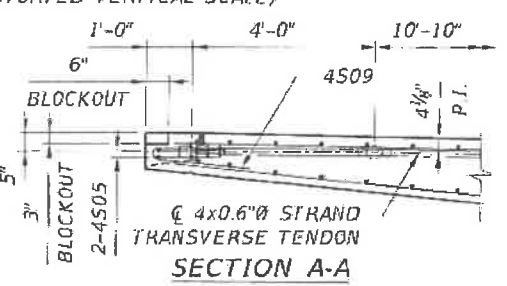
DRAWN BY: DCB	 FLORIDA INTERNATIONAL UNIVERSITY	ROAD NO.	COUNTY	PROJECT ID
CHECKED BY: EDL		MIAMI-DADE	434688-1-58-01	
DESIGNED BY: EDL				
CHECKED BY: MF				

SHEET TITLE: DECK REINFORCEMENT & P.T. - MAIN SPAN (2 OF 2)		PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT	SHEET NO. B-61
PROJECT ID: 434688-1-58-01			



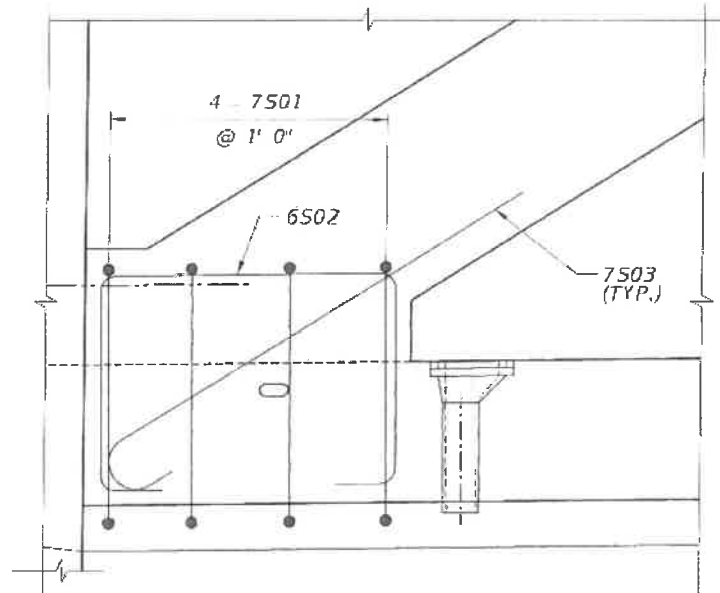
- NOTES:**
1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING
 2. FOR TYPE III DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
 3. FOR TYPE IV DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
 4. FOR ADDITIONAL TRUSS DETAILS, SEE BACK SPAN TRUSS SYSTEM DETAIL DRAWINGS
 5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
 6. CONCRETE COVER IS 2" UNLESS OTHERWISE NOTED.
 7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWING.
 8. FOR NORTH LANDING POST-TENSIONING AND REINFORCEMENT DETAILS, SEE DECK TRANSVERSE REINFORCEMENT & POST-TENSIONING - NORTH LANDING DRAWING.
 9. THE UNISTRUT SHALL BE PROJECTED 1/4" FROM THE FACE OF DECK. THE UNISTRUT LENGTH IS EQUAL TO 3'-0".

10. PLACE TWO (2) ADDITIONAL 4503 BARS PER FENCE POST. SEE MISSILE GUARD AND RAILING DETAILS SHEETS FOR POST SPACING AND BAR PLACEMENT.
11. BASED ON THE CONTRACTOR'S MEANS AND METHODS, PULL BOXES MAY BE REQUIRED TO INSTALL ELECTRICAL CABLE

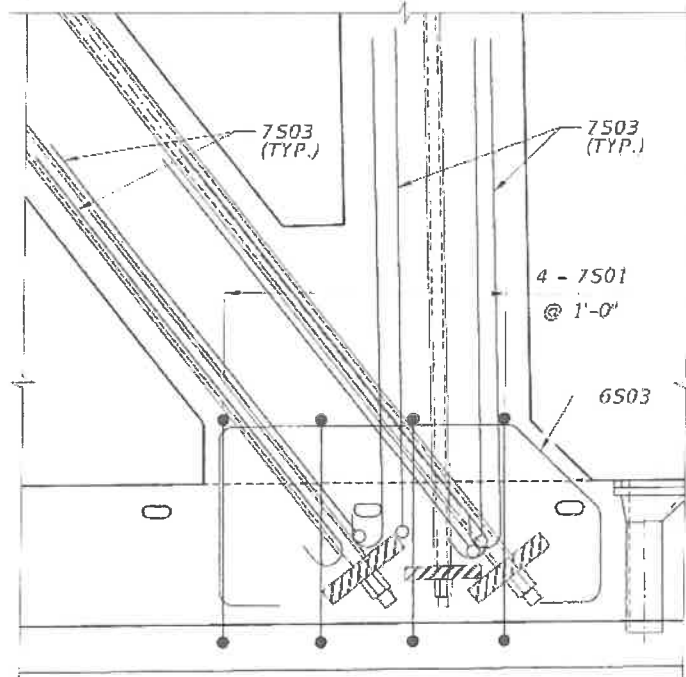


REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	DECK REINFORCEMENT & P.T. - BACK SPAN (1 OF 2)	
						EDL	EDL		
						EDL	EDL		
						MF	MF		

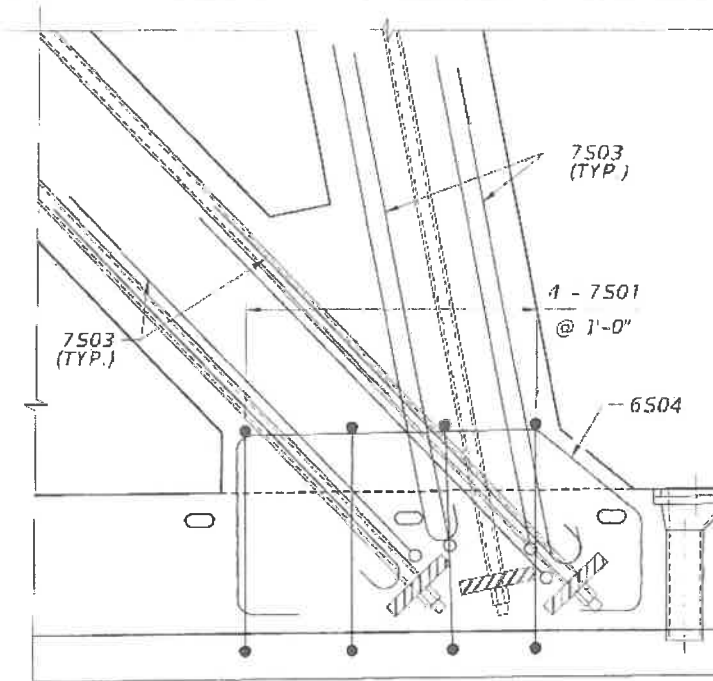
FIU FLORIDA INTERNATIONAL UNIVERSITY 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332			ROAD NO. COUNTY PROJECT ID	SHEET NO. UNIVERSITY CITY PROSPERITY PROJECT B-62
			MIAMI-DADE 434688-1-58-01	PROJECT NAME: UNIVERSITY CITY PROSPERITY PROJECT



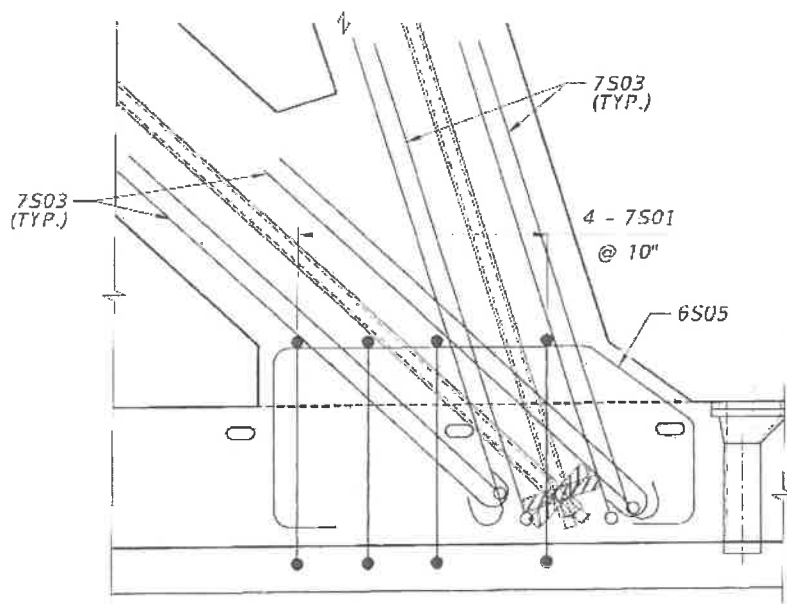
**TRUSS MEMBERS 13 & 14
CONNECTION DETAIL**



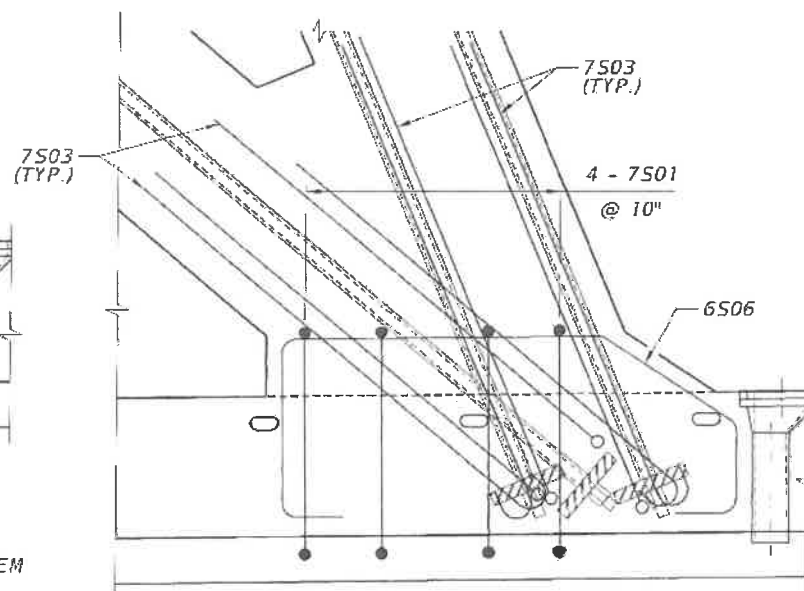
**TRUSS MEMBERS 15 & 16
CONNECTION DETAIL**



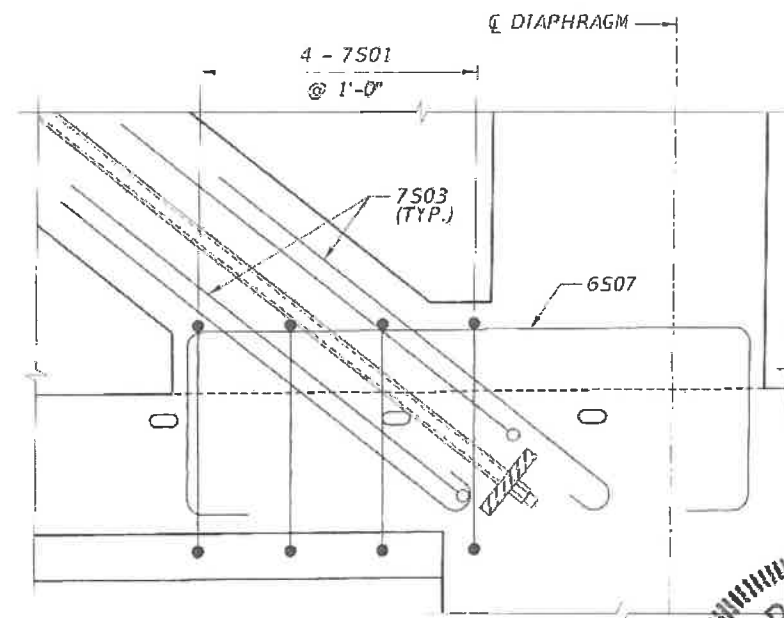
**TRUSS MEMBERS 17 & 18
CONNECTION DETAIL**



**TRUSS MEMBERS 19 & 20
CONNECTION DETAIL**



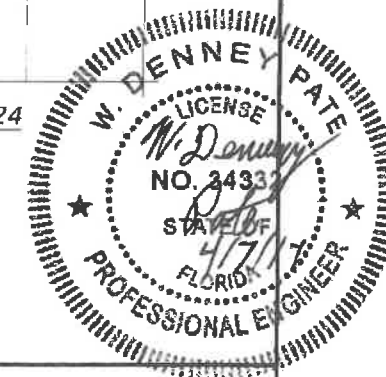
**TRUSS MEMBERS 21 & 22
CONNECTION DETAIL**



**TRUSS MEMBERS 23 & 24
CONNECTION DETAIL**

NOTES:

1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM P.T. BAR DETAILS DRAWING.
2. FOR TYPE III DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
3. FOR TYPE IV DIAPHRAGM DETAILS, SEE DECK END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE BACK SPAN TRUSS SYSTEM REINFORCEMENT DRAWINGS.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818
 W. DENNEY PATE, P.E. - P.E. NO. 34332

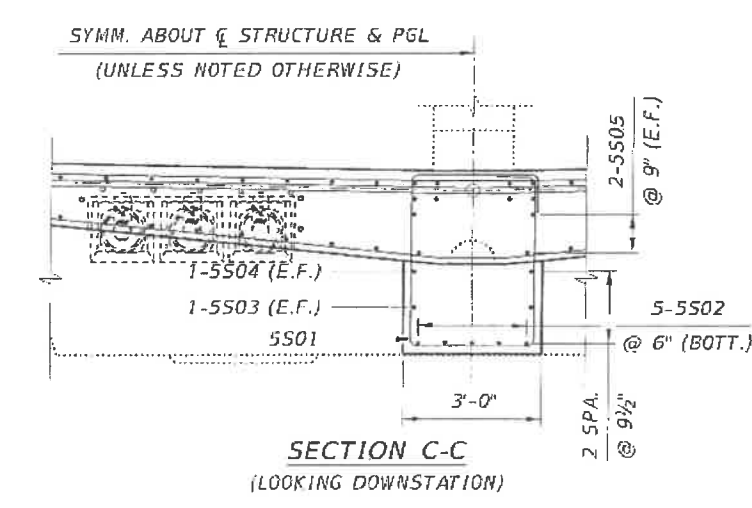
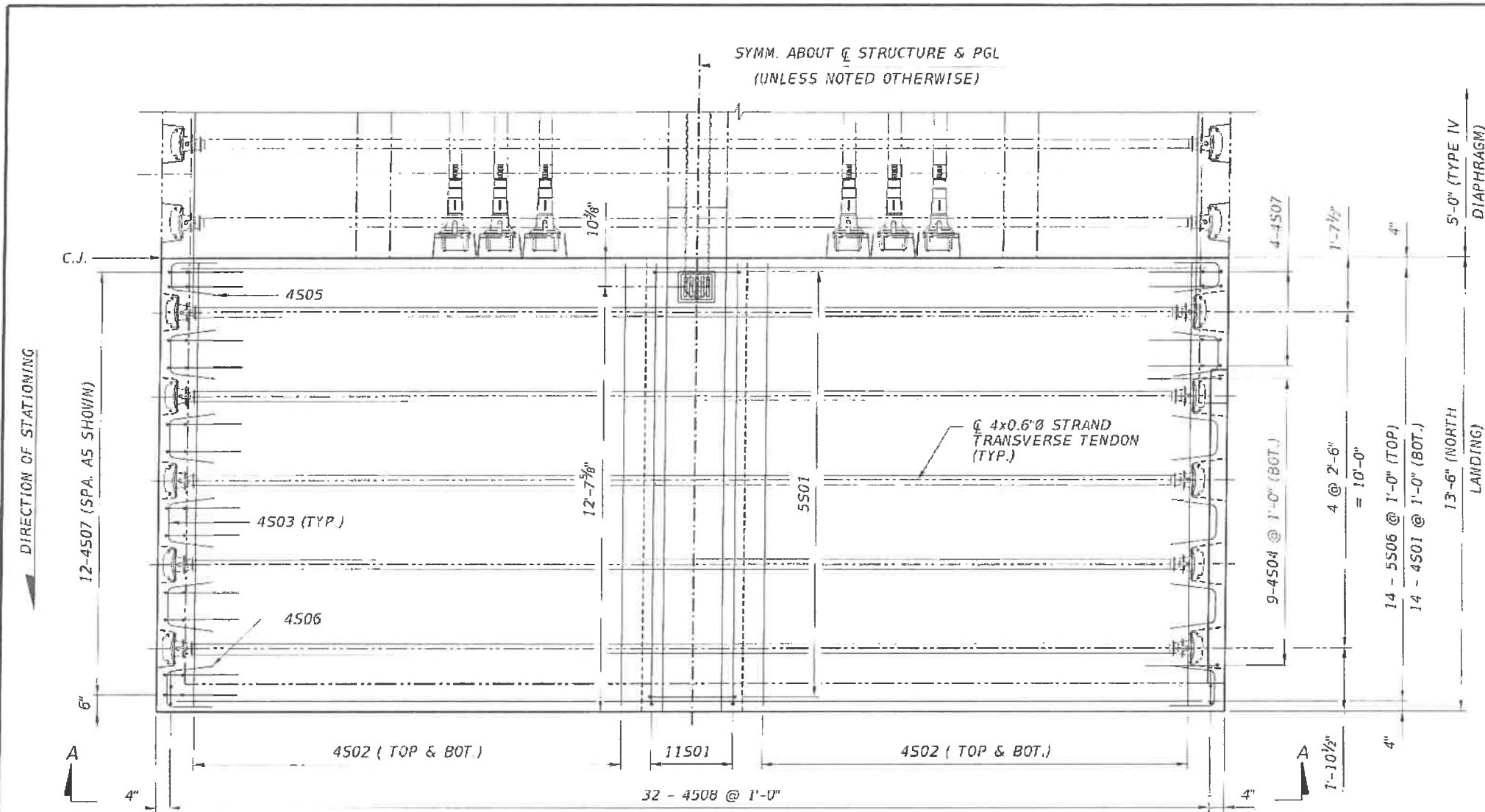
FLORIDA INTERNATIONAL UNIVERSITY
 DRAWN BY: DCB
 CHECKED BY: E.J.L.
 DESIGNED BY: FDI
 CHECKED BY: MF

PROJECT NO.	QUANTITY	PROJECT ID
	MIAMI - DADE	434688-1-58-01

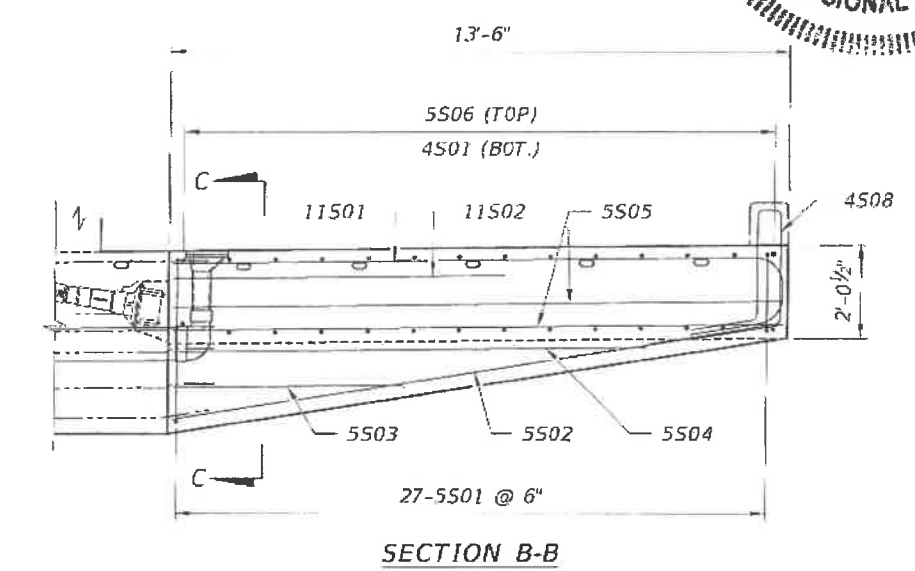
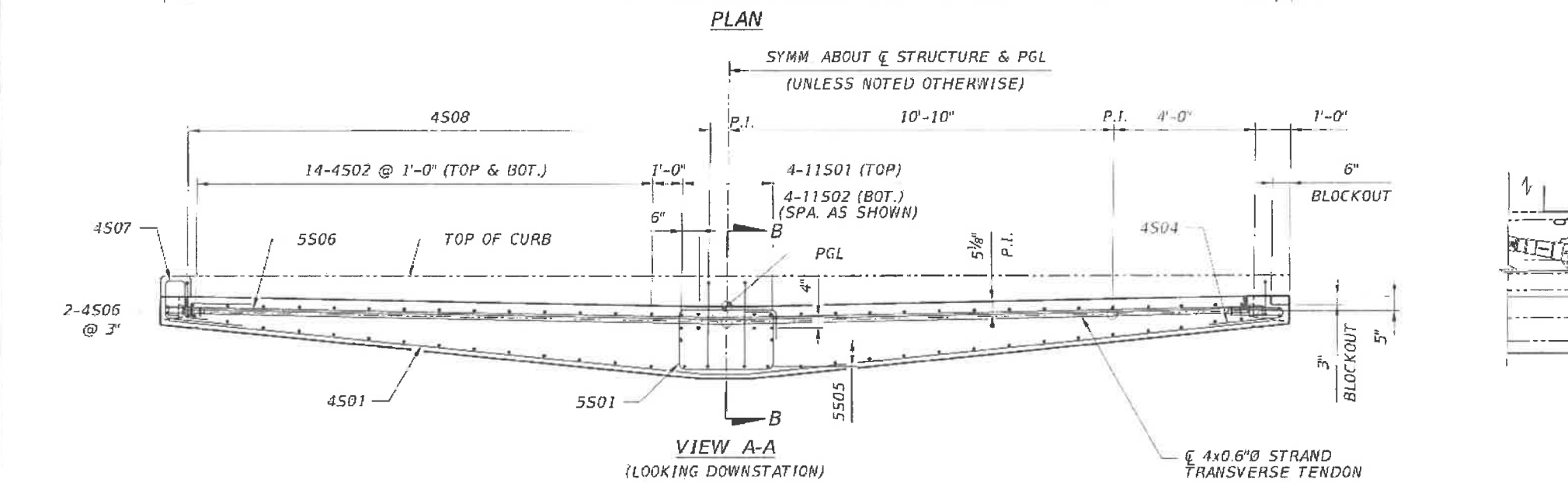
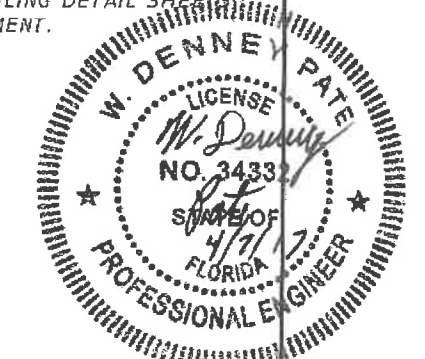
DECK REINFORCEMENT & P.T. - BACK SPAN (2 OF 2)

UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-63

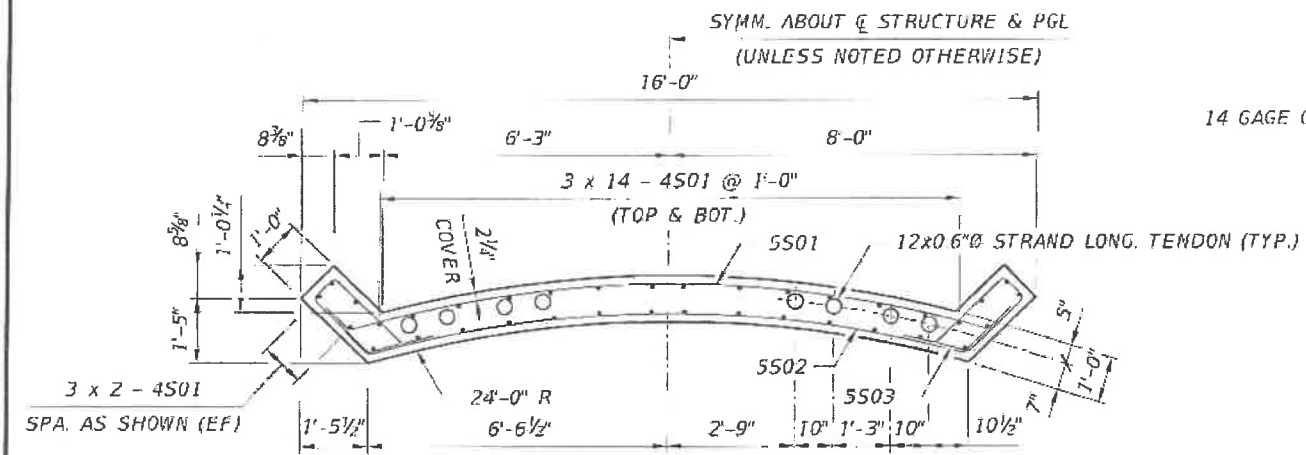
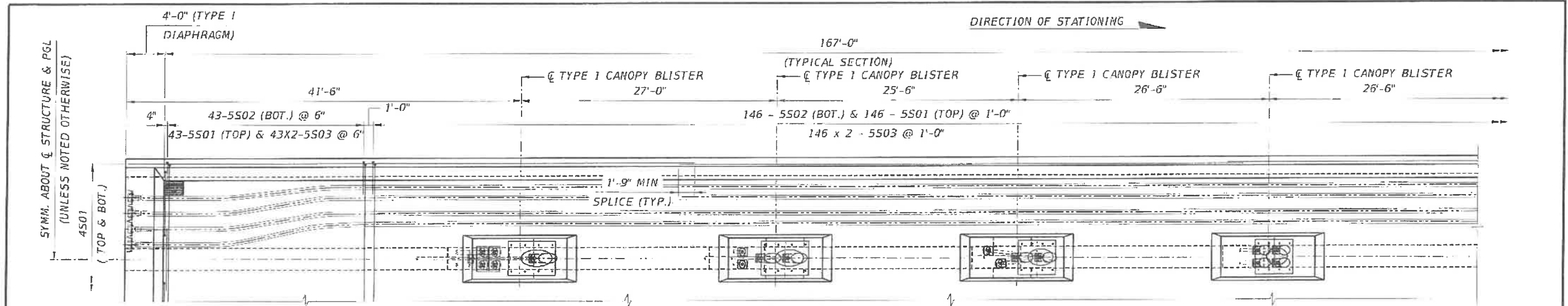


NOTES:
1. PLACE TWO ADDITIONAL 4507/4508 BARS PER FENCE POST. SEE MISSILE GUARD FENCE AND RAILING DETAIL SHEETS FOR POST SPACING AND BAR PLACEMENT.

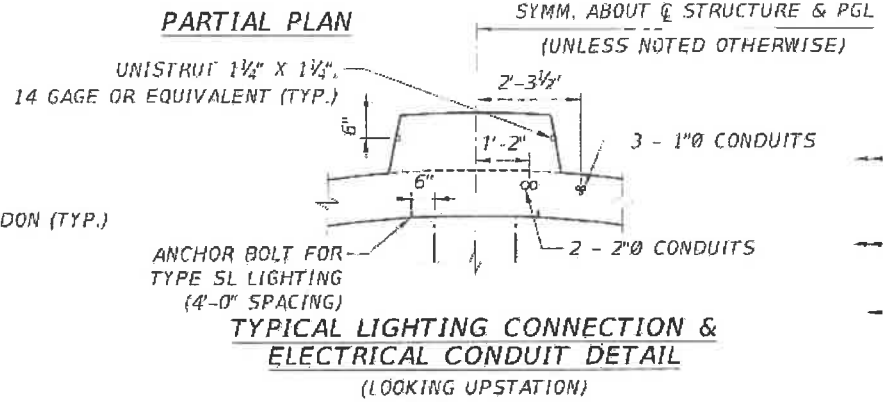


REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	DESCRIPTION	PROJECT NO.	PROJECT NAME

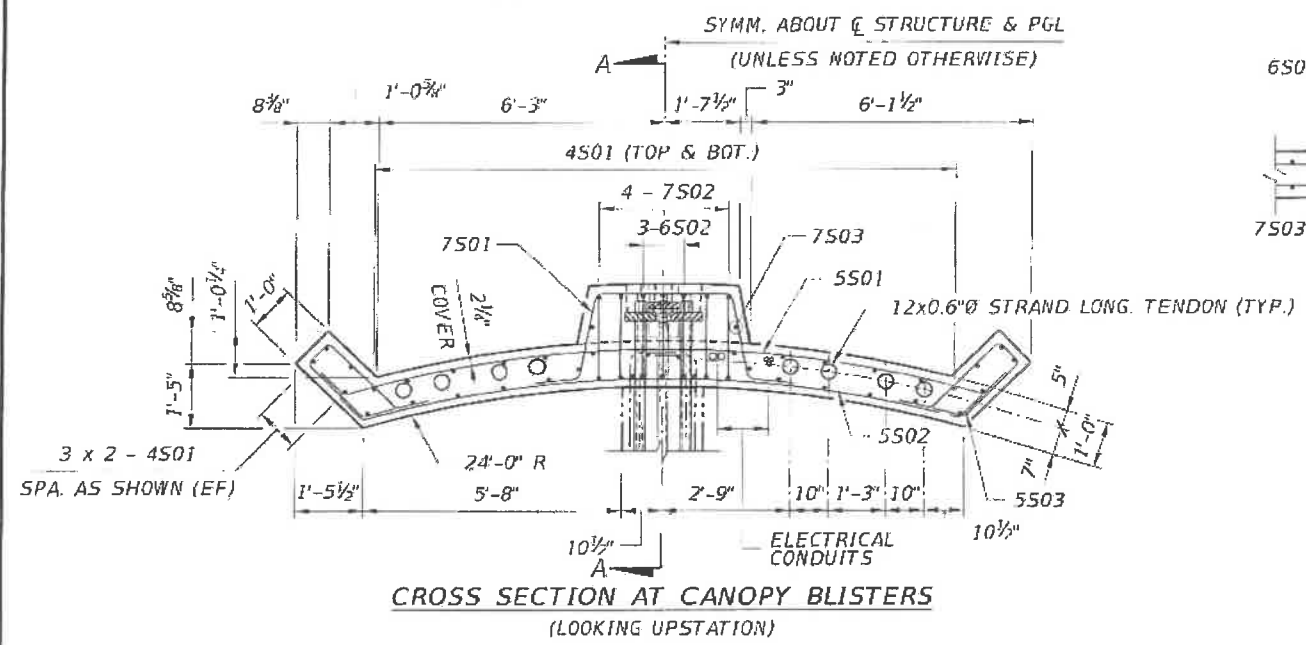
 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818 W. DENNEY PATE, P.E. - P.E. NO. 34332		ROAD NO. MIAMI-DADE COUNTY PROJECT ID 434688-1-58-01	SHEET NO. B-64
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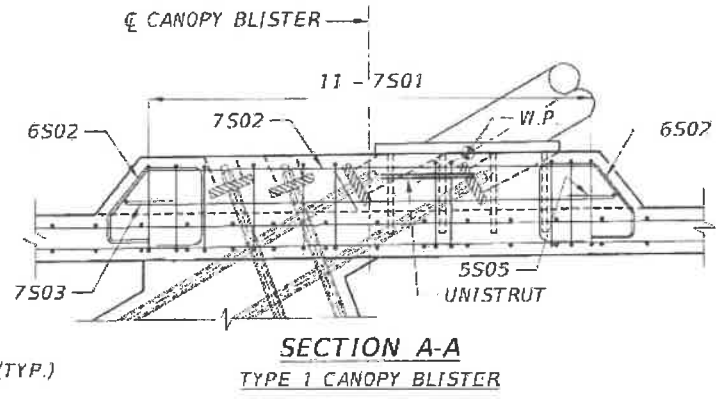
TYPICAL CROSS SECTION



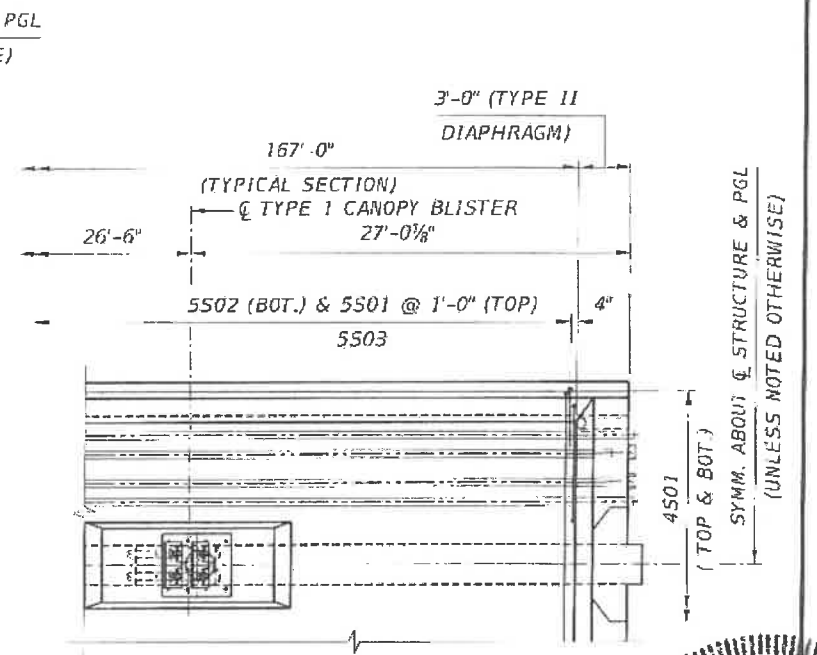
TYPICAL LIGHTING CONNECTION & ELECTRICAL CONDUIT DETAIL (LOOKING UPSTATION)



CROSS SECTION AT CANOPY BLISTERS (LOOKING UPSTATION)



SECTION A-A TYPE I CANOPY BLISTER



PARTIAL PLAN (CONT.) (DISTORTED VERTICAL SCALE)

- NOTES:
1. FOR ADDITIONAL MAIN SPAN DETAILS, SEE MAIN SPAN TRUSS SYSTEM LAYOUT DRAWING.
 2. FOR TYPE I DIAPHRAGM DETAILS, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE I DRAWING.
 3. FOR TYPE II DIAPHRAGM DETAILS, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE II DRAWING.
 4. FOR ADDITIONAL TRUSS DETAILS, SEE MAIN SPAN TRUSS SYSTEM DETAIL DRAWING.
 5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
 6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWING.
 8. THE UNISTRUT SHALL BE PROJECTED 1/4" FROM FACE OF BLISTER. THE UNISTRUT LENGTH IS EQUAL TO 2'-0".



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: EJD
 DESIGNED BY: EJD
 CHECKED BY: WJF

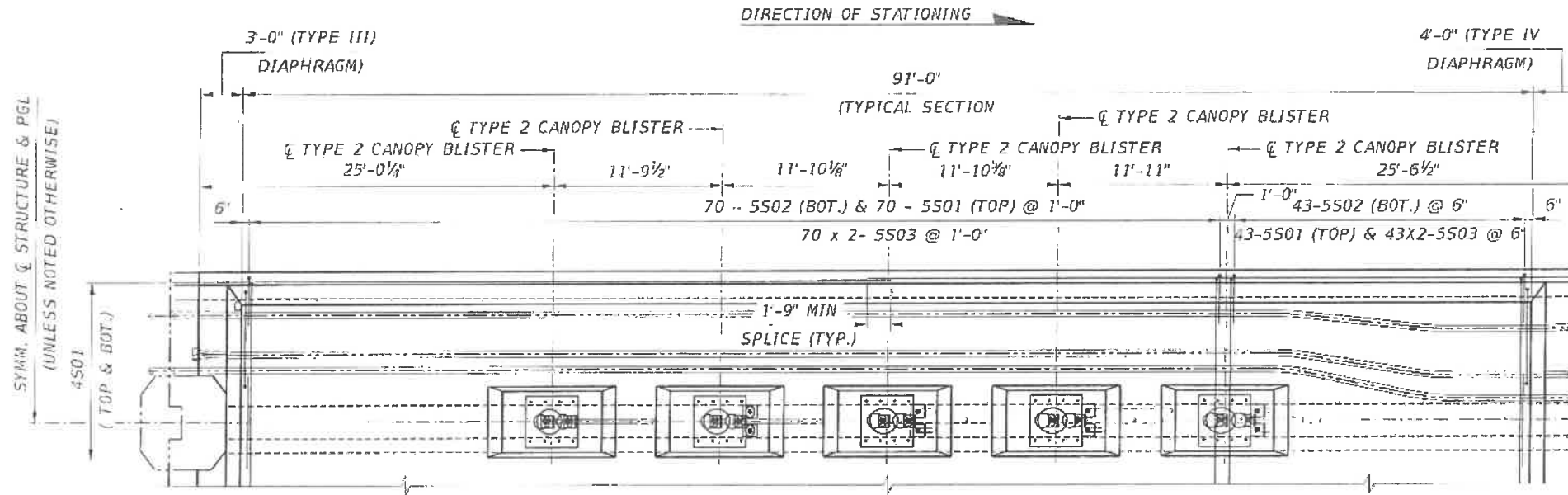
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

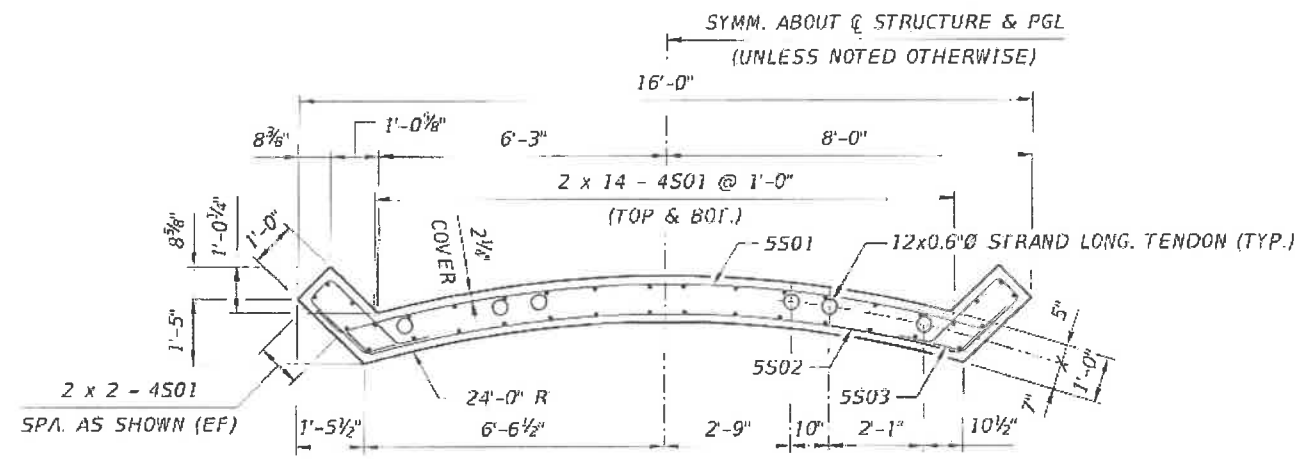
PROJECT NAME: CANOPY REINFORCEMENT & P.T. - MAIN SPAN

UNIVERSITYCITY PROSPERITY PROJECT

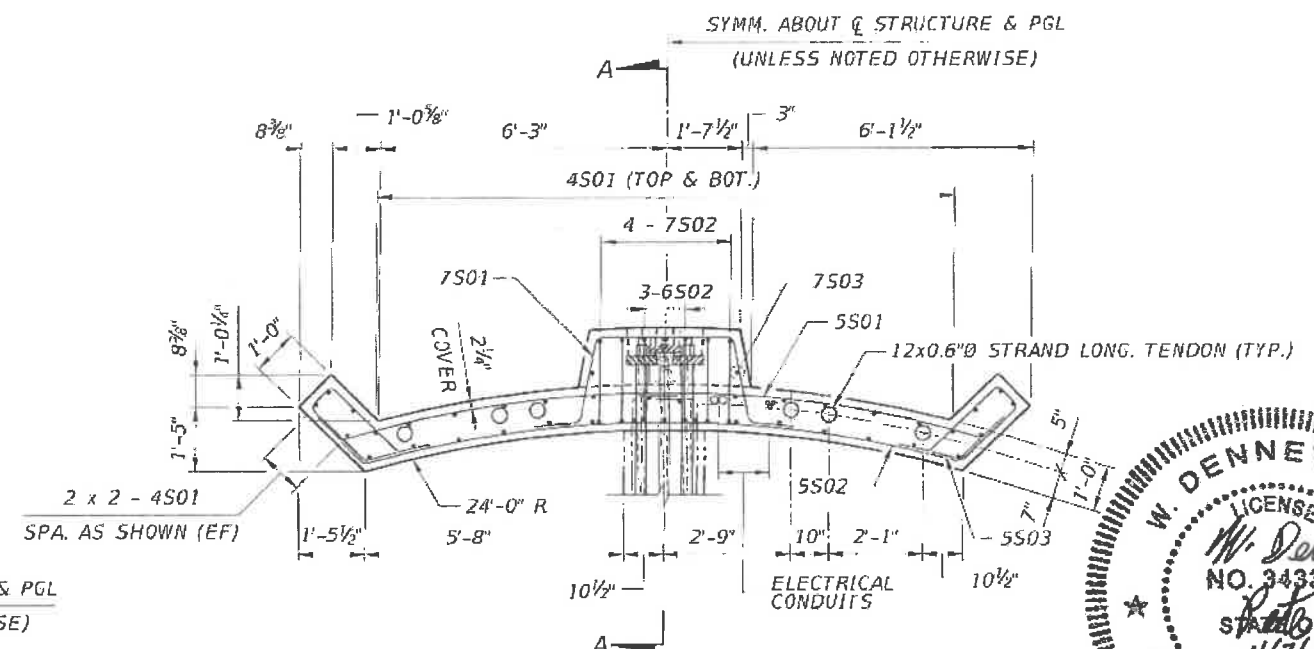
SHEET NO. B-65



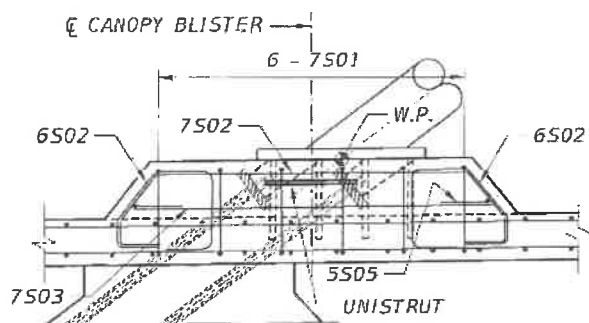
PARTIAL PLAN



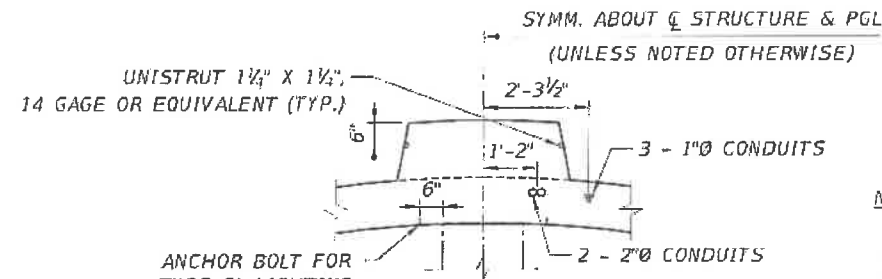
TYPICAL CROSS SECTION



CROSS SECTION AT CANOPY BLISTERS
(LOOKING UPSTATION)



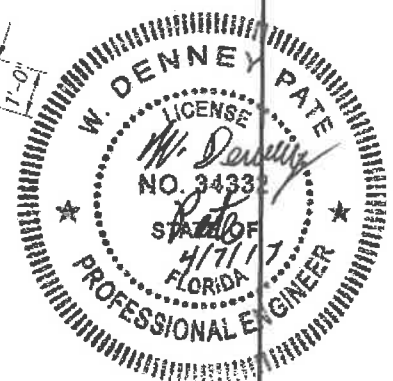
SECTION A-A
TYPE 2 CANOPY BLISTER



TYPICAL LIGHTING CONNECTION &
ELECTRICAL CONDUIT DETAIL
(LOOKING UPSTATION)

NOTES:

1. FOR ADDITIONAL BACK SPAN DETAILS, SEE BACK SPAN TRUSS SYSTEM LAYOUT DRAWING.
2. FOR TYPE III DIAPHRAGM DETAILS, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE III DRAWING.
3. FOR TYPE IV DIAPHRAGM DETAILS, SEE CANOPY END DIAPHRAGM REINFORCEMENT - TYPE IV DRAWING.
4. FOR ADDITIONAL TRUSS DETAILS, SEE BACK SPAN TRUSS SYSTEM DETAIL DRAWING.
5. FOR ADDITIONAL DRAIN PIPE DETAILS, SEE DRAINAGE DETAILS DRAWING.
6. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
7. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWING.
8. THE UNISTRUT SHALL BE PROJECTED 1/4" FROM FACE OF BLISTER. THE UNISTRUT LENGTH IS EQUAL TO 2'-0".



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: DCB
 CHECKED BY: EDL
 DESIGNED BY: EDL
 CHECKED BY: MF

FIU FLORIDA INTERNATIONAL UNIVERSITY

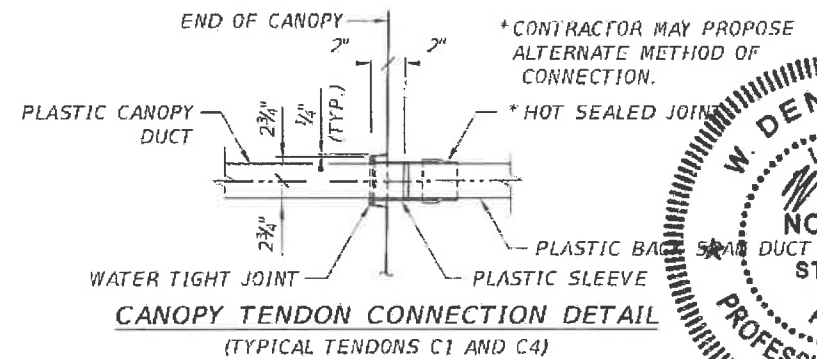
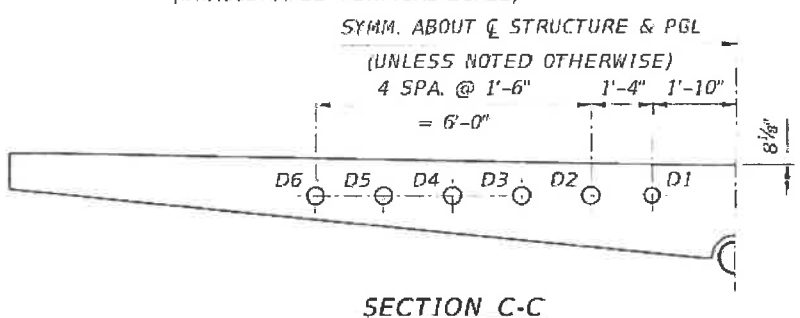
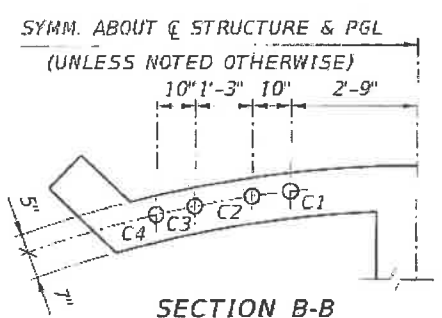
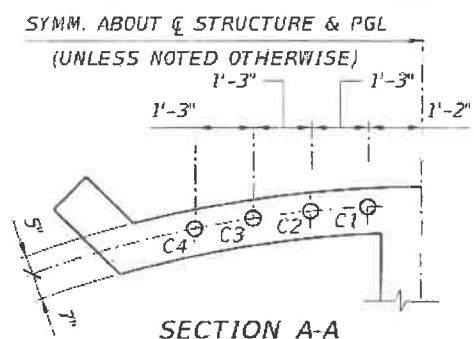
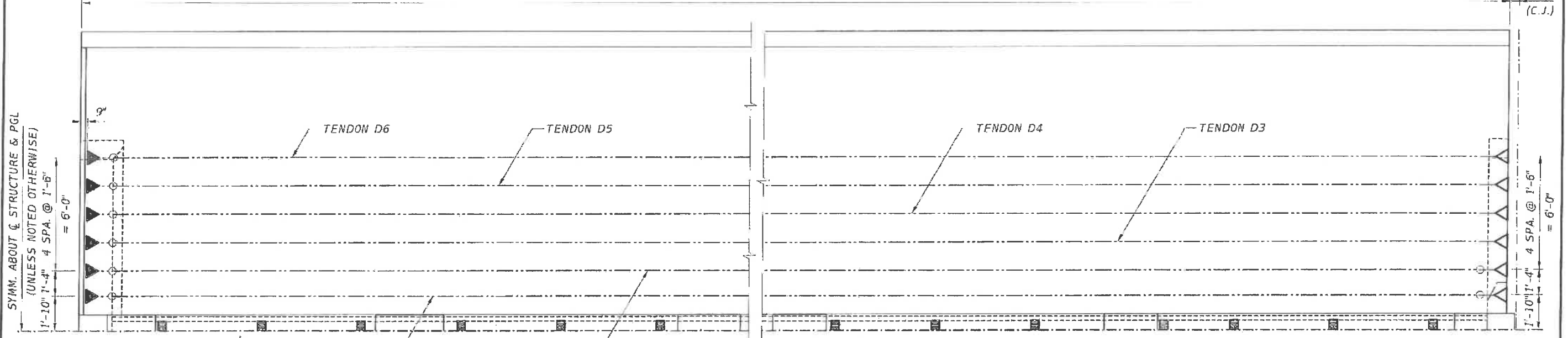
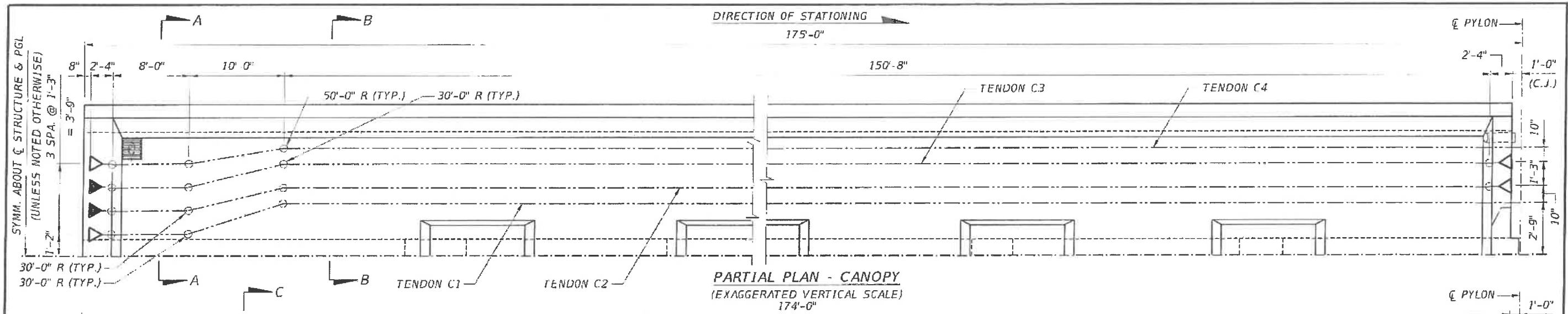
ROAD NO. COUNTY PROJECT ID PROJECT NAME

MIAMI-DADE 434688-1-58-01 UNIVERSITY CITY PROSPERITY PROJECT

SHEET TITLE: CANOPY REINFORCEMENT & P.T. - BACK SPAN

UNIVERSITY CITY PROSPERITY PROJECT

SHEET NO. B-66

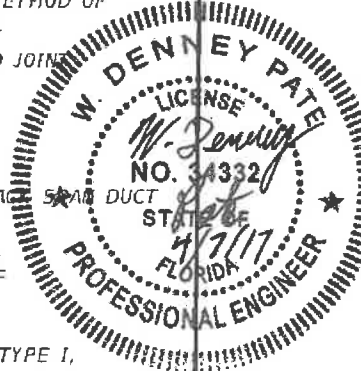


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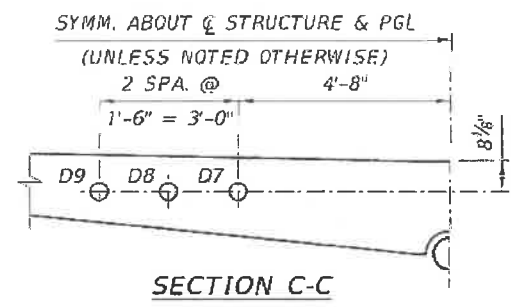
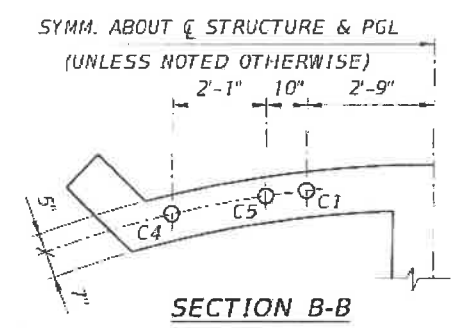
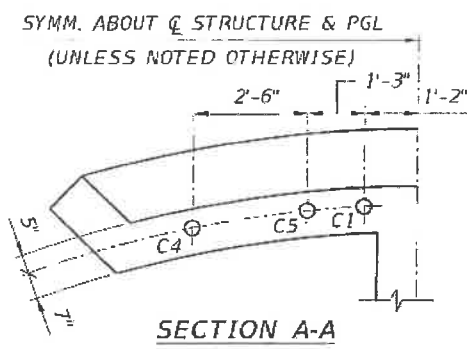
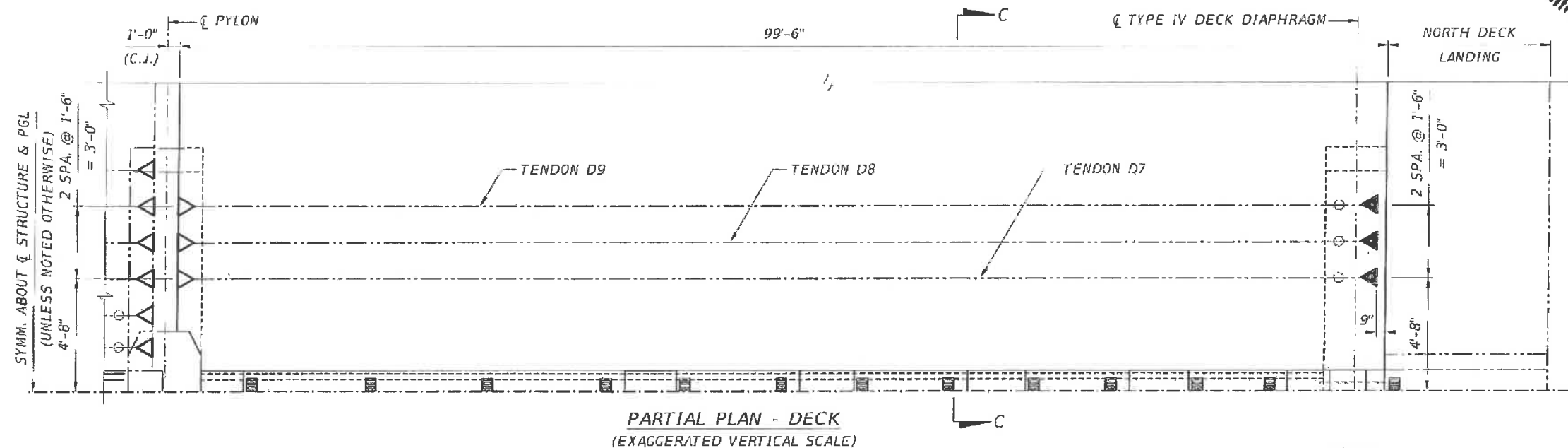
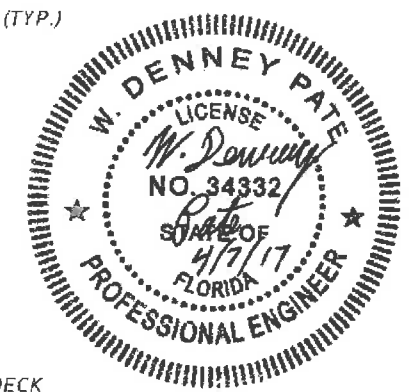
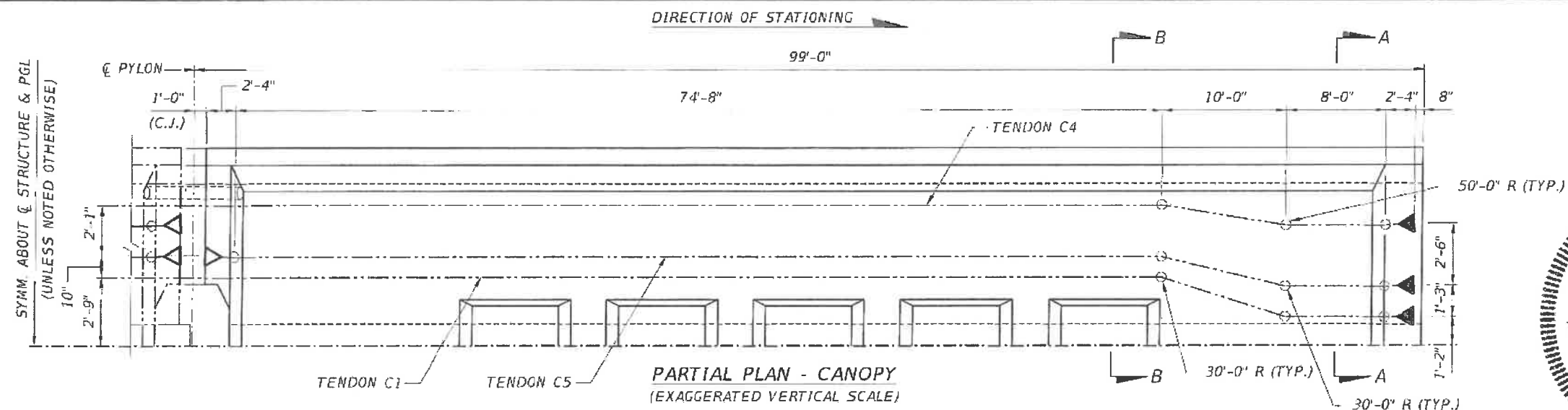
▶ REPRESENTS STRESSING END ANCHOR.

◀ REPRESENTS NON-STRESSING END ANCHOR.

- NOTES:**
1. TENDONS D2 THRU D6 ARE 19x0.6" ϕ STRAND TENDONS.
 2. TENDONS D1 AND C1 THRU C4 ARE 12x0.6" ϕ STRAND TENDONS.
 3. FOR ADDITIONAL TENDON DEVIATION DETAILS AT DECK END DIAPHRAGM - TYPE I, SEE DECK END DIAPHRAGM DIMENSIONS AND P.T. - TYPE I DRAWING.
 4. FOR ADDITIONAL TENDON DEVIATION DETAILS AT DECK END DIAPHRAGM - TYPE II, SEE DECK END DIAPHRAGM DIMENSIONS AND P.T. - TYPE II DRAWING.
 5. FOR ADDITIONAL TENDON DEVIATION DETAILS AT CANOPY END DIAPHRAGM - TYPE I, SEE CANOPY END DIAPHRAGM DIMENSIONS AND P.T. - TYPE I DRAWING.
 6. FOR ADDITIONAL TENDON DEVIATION DETAILS AT CANOPY END DIAPHRAGM - TYPE II, SEE CANOPY END DIAPHRAGM DIMENSIONS AND P.T. - TYPE II DRAWING.



REVISIONS						ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FIGG		DCB		LONGITUDINAL P.T. DETAILS (1 OF 2)	
						424 North Calhoun Street Tallahassee, Florida 32301		FLORIDA INTERNATIONAL UNIVERSITY		UNIVERSITYCITY PROSPERITY PROJECT	
						FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332		ROAD NO. COUNTY PROJECT ID		PROJECT NAME	
								MIAMI - DADE 434688-1-58-01		UNIVERSITYCITY PROSPERITY PROJECT	
								CHECKED BY: MF		SHEET NO. B-67	

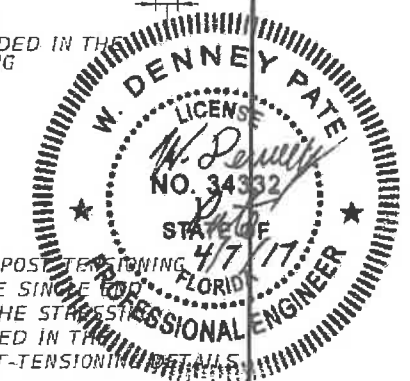
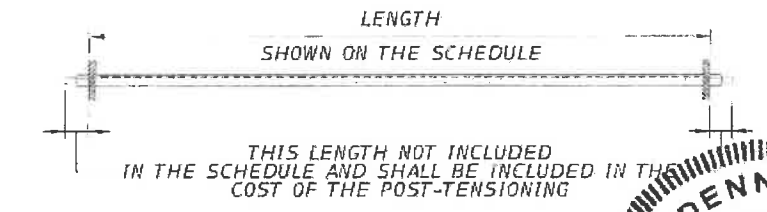
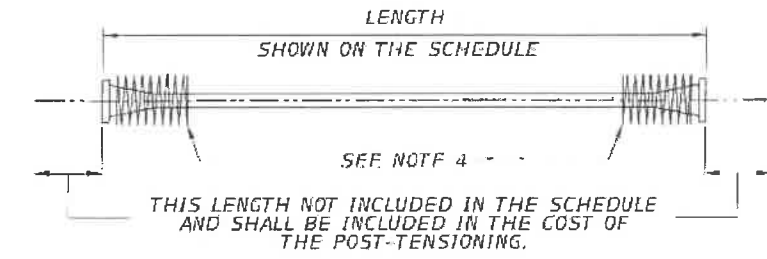


LEGEND:
 REPRESENTS STRESSING END ANCHOR.
 REPRESENTS NON-STRESSING END ANCHOR.

- NOTES:**
1. TENDONS D7 THRU D9 ARE 19x0.6" STRAND TENDONS
 2. TENDON C5 IS 12x0.6" STRAND TENDON.
 3. FOR ADDITIONAL TENDON DEVIATION DETAILS AT DECK END DIAPHRAGM - TYPE III, SEE DECK END DIAPHRAGM DIMENSIONS AND P.T. - TYPE III DRAWING.
 4. FOR ADDITIONAL TENDON DEVIATION DETAILS AT DECK END DIAPHRAGM - TYPE IV, SEE DECK END DIAPHRAGM DIMENSIONS AND P.T. - TYPE IV DRAWING.
 5. FOR ADDITIONAL TENDON DEVIATION DETAILS AT CANOPY END DIAPHRAGM - TYPE III, SEE CANOPY END DIAPHRAGM DIMENSIONS AND P.T. - TYPE III DRAWING.
 6. FOR ADDITIONAL TENDON DEVIATION DETAILS AT CANOPY END DIAPHRAGM - TYPE IV, SEE CANOPY END DIAPHRAGM DIMENSIONS AND P.T. - TYPE IV DRAWING.

REVISIONS				ENGINEER OF RECORD:		DRAWN BY:		SHEET TITLE:	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DCB	DCB	LONGITUDINAL P.T. DETAILS (2 OF 2)	
ENGINEER OF RECORD: FIGG 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332						CHECKED BY: EDL DESIGNED BY: EDL CHECKED BY: MF		FIU FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI-DADE 434688-1-58-01	
PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT								SHEET NO. B-68	

P.T. BAR / STRESSING / GROUTING / ANCHOR PROTECTION SCHEDULE												
LOCATION	BAR DESIG.	NO. REQ.	BAR SIZE	BAR LENGTH (ft-in)	STRESSING FORCE / BAR (kips)	LIVE END FORCE AFTER ANCHOR SET (kips)	DEAD END FORCE AFTER ANCHOR SET (kips)	*** STRESSING END	ELONGATION (in)	* TENDON PROFILE	** ANCHOR PROTECTION TYPE	
											UP STA.	DOWN STA.
2	A	1	1-1 3/4"	42'-11"	280	280	280	UPSTATION	1.66	12	9	N/A
	B	1	1-1 3/4"	42'-9"	280	280	280	UPSTATION	1.81	12	9	N/A
3	A	4	1 1/4"	18'-1"	280	280	280	UPSTATION	0.76	12	9	N/A
5	A	2	1-1 3/8"	17'-6"	166	166	166	UPSTATION	0.74	12	9	N/A
6	A	2	1-1 3/4"	34'-9 3/4"	280	280	280	UPSTATION	1.47	12	9	N/A
7	A	1	1-1 1/4"	18'-4"	280	280	280	UPSTATION	0.77	12	9	N/A
8	A	4	1-1 3/4"	29'-0 3/4"	280	280	280	UPSTATION	1.22	12	9	N/A
10	A	4	1-2 1/2"	22'-0"	389	389	389	UPSTATION	0.66	12	9	N/A
11	A	1	1-1 3/4"	33'-0"	280	280	280	UPSTATION	1.39	12	9	N/A
	B	1	1 1/4"	33'-2 1/4"	280	280	280	UPSTATION	1.40	12	9	N/A
15	A	4	1-1 3/4"	21'-11 3/4"	240	240	240	UPSTATION	0.79	12	9	N/A
16	A	1	1-1 3/8"	17'-6"	142	142	142	UPSTATION	0.63	12	9	N/A
17	A	4	1-1 3/8"	24'-4"	166	166	166	UPSTATION	1.07	12	9	N/A
18	A	1	1-1 3/8"	17'-9 3/4"	119	119	119	UPSTATION	0.54	12	9	N/A
19	A	2	1-1 3/8"	25'-10 1/2"	166	166	166	UPSTATION	1.09	12	9	N/A
20	A	1	1 1/8"	18'-4 1/2"	142	142	142	UPSTATION	0.66	12	9	N/A
21	A	2	1-1 3/8"	27'-1 1/4"	119	119	119	UPSTATION	0.82	12	9	N/A
22	A	2	1-1 3/8"	18'-11 1/4"	166	166	166	UPSTATION	0.80	12	9	N/A
23	A	2	1-1 3/8"	28'-1"	119	119	119	UPSTATION	0.85	12	9	N/A



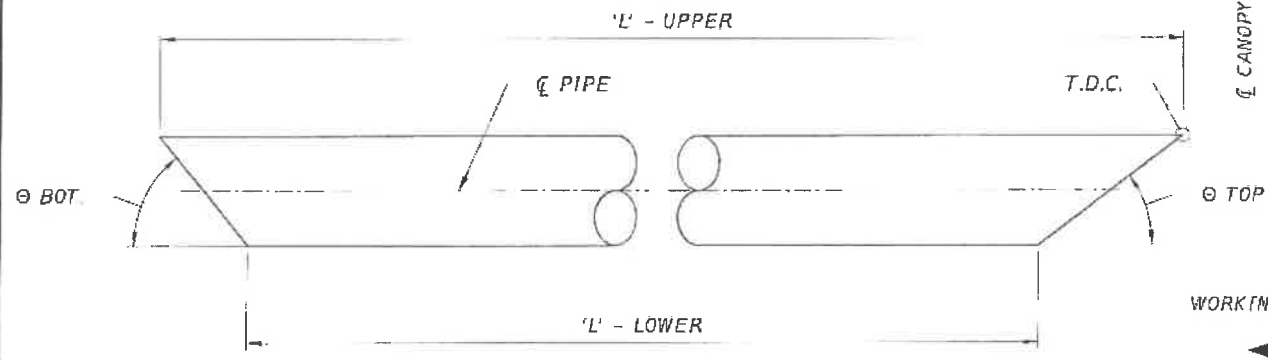
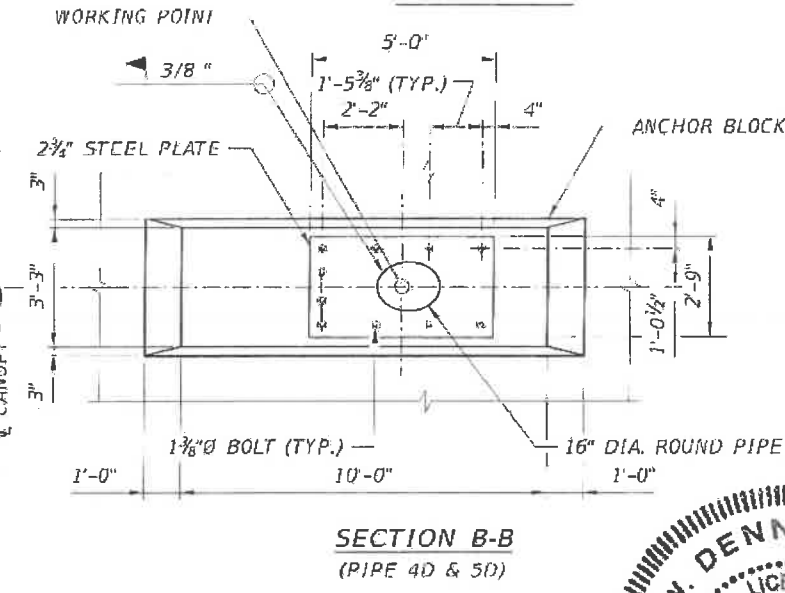
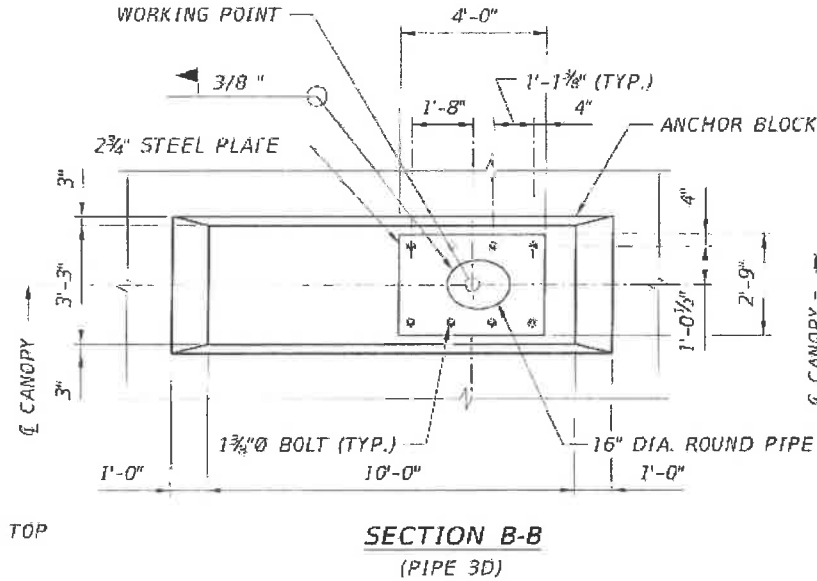
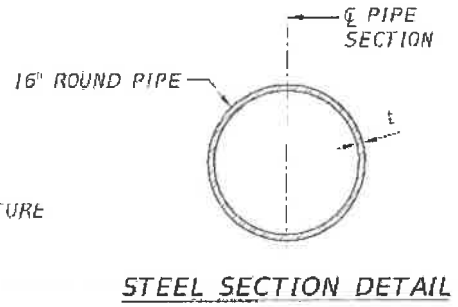
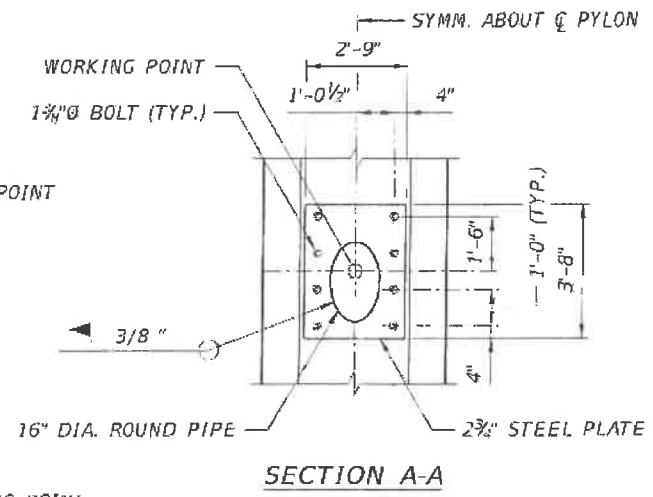
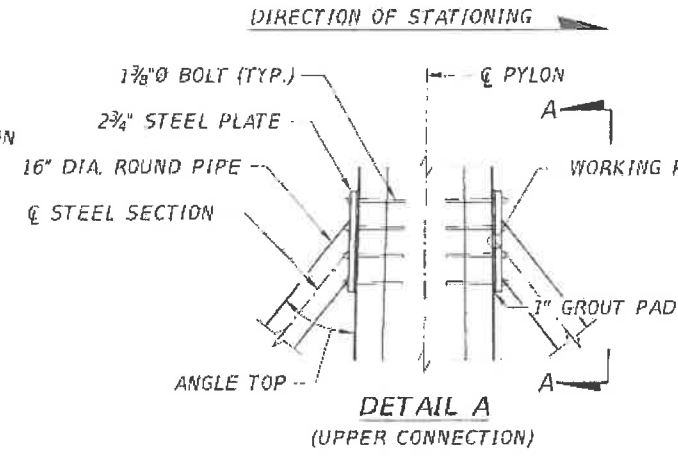
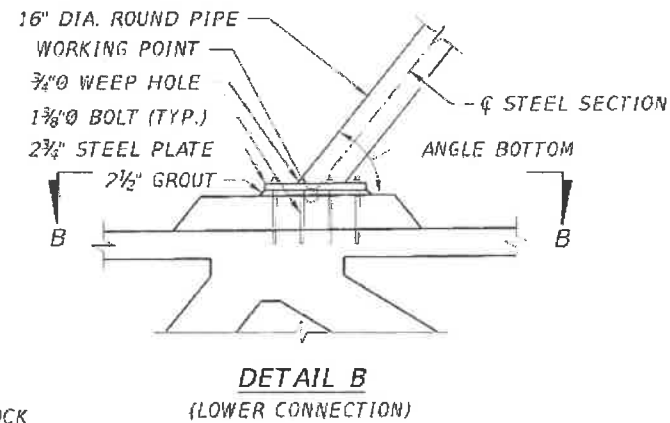
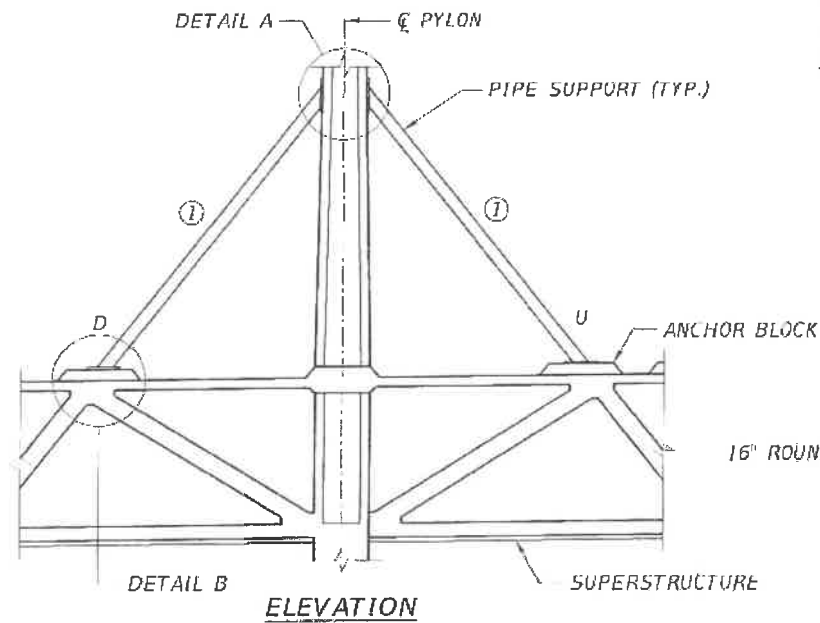
LONGITUDINAL TENDON / STRESSING / GROUTING / ANCHOR PROTECTION SCHEDULE													
LOCATION	TENDON DESIG.	NO. REQ.	TENDON SIZE	TENDON LENGTH (ft-in)	STRESSING FORCE / TENDON (kips)	LIVE END FORCE AFTER ANCHOR SET (kips)	DEAD END FORCE AFTER ANCHOR SET (kips)	*** STRESSING END	ELONGATION (in)		* TENDON PROFILE	** ANCHOR PROTECTION TYPE	
									BEFORE ANCHOR SET	AFTER ANCHOR SET		UP STA.	DOWN STA.
MAIN SPAN DECK	D1	2	12 X 0.6"	173'-4 1/4"	527	471	489	DOWNSTATION	14.23	13.86	12	2	1
	D2	2	19 X 0.6"	173'-4 1/4"	835	745	775	DOWNSTATION	14.23	13.86	12	2	1
	D3	2	19 X 0.6"	173'-4 1/4"	835	745	775	DOWNSTATION	14.23	13.86	12	2	1
	D4	2	19 X 0.6"	173'-4 1/4"	835	745	775	DOWNSTATION	14.23	13.86	12	2	1
	D5	2	19 X 0.6"	173'-4 1/4"	835	745	775	DOWNSTATION	14.23	13.86	12	2	1
	D6	2	19 X 0.6"	173'-4 1/4"	835	745	775	DOWNSTATION	14.23	13.86	12	2	1
BACK SPAN DECK	D7	2	19 X 0.6"	98'-10 3/4"	828	712	768	UPSTATION	8.00	7.62	12	2	2
	D8	2	19 X 0.6"	98'-10 3/4"	828	712	768	UPSTATION	8.00	7.62	12	2	2
	D9	2	19 X 0.6"	98'-10 3/4"	828	712	768	UPSTATION	8.00	7.62	12	2	2
MAIN SPAN CANOPY	C2	2	12 X 0.6"	173'-5 1/2"	531	426	459	DOWNSTATION	13.63	13.26	12	2	1
	C3	2	12 X 0.6"	173'-5 1/2"	534	429	463	DOWNSTATION	13.73	13.35	12	2	1
BACK SPAN - CANOPY	C5	2	12 X 0.6"	97'-5 1/4"	519	417	459	UPSTATION	7.59	7.22	12	1	2
MAIN SPAN & BACK SPAN CANOPY	C1	2	12 X 0.6"	272'-11 1/2"	556	430	433	UPSTATION	21.74	21.36	12	1	1
	C4	2	12 X 0.6"	272'-9 1/4"	556	463	465	UPSTATION	22.53	22.16	12	1	1

- NOTES:
- ALL LONGITUDINAL POST-TENSIONING TENDONS SHALL BE SINGLE END STRESSED FROM THE STRESSING END, AS DESIGNATED IN THE LONGITUDINAL POST-TENSIONING DETAILS DRAWINGS.
 - TABULATED LENGTHS ARE MEASURED FROM ANCHOR PLATE TO ANCHOR PLATE. ADDITIONAL STRAND BEYOND THE PLATES FOR JACKING AND THE WEIGHT OF ANY ANCHORAGE HARDWARE IS NOT INCLUDED.
 - FORCES, STRESSES, AND ELONGATIONS ARE BASED ON THE TENDON STRESSING ENDS AS SHOWN ON THE LONGITUDINAL PT LAYOUT SHEETS. IF THE STRESSING ENDS ARE DIFFERENT THAN SHOWN, THE FORCES, STRESSES, AND ELONGATION MUST BE ADJUSTED.
 - SPIRALS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. LOCAL ZONE REINFORCEMENT SHALL BE DESIGNED BY THE POST-TENSIONING SUPPLIER IN A MANNER THAT AVOIDS CONFLICTS WITH PT BARS, TRANSVERSE TENDONS AND MILD REINFORCEMENT NEAR THE ANCHOR FACE.
- * SEE POST-TENSIONING VERTICAL PROFILES, INDEX NO. 21801
 ** SEE POST-TENSIONING ANCHORAGE PROTECTION, INDEX NO. 21802
 *** FOR VERTICAL TENDONS AND BARS, UPSTATION DENOTES TOP ANCHOR, DOWNSTATION DENOTES BOTTOM ANCHOR.

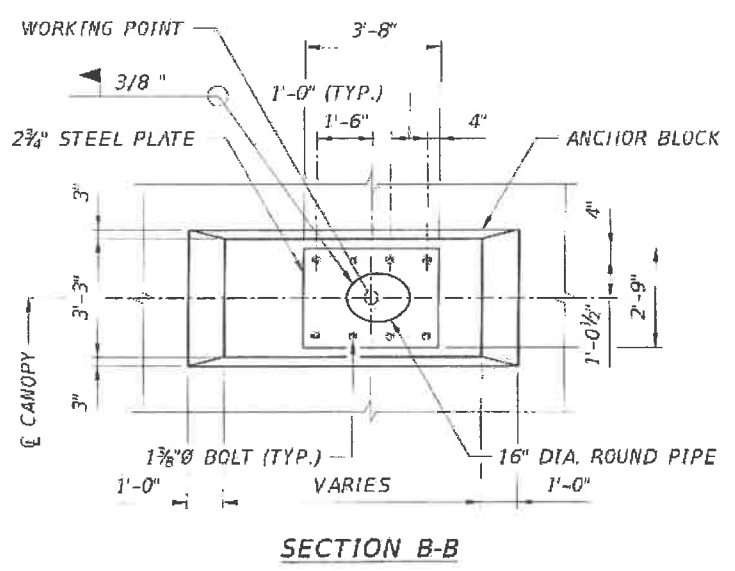
TRANSVERSE TENDON / STRESSING / GROUTING / ANCHOR PROTECTION SCHEDULE													
LOCATION	TENDON DESIG.	NO. REQ.	TENDON SIZE	TENDON LENGTH (ft-in)	STRESSING FORCE / TENDON (kips)	LIVE END FORCE AFTER ANCHOR SET (kips)	DEAD END FORCE AFTER ANCHOR SET (kips)	*** STRESSING END	ELONGATION (in)		* TENDON PROFILE	** ANCHOR PROTECTION TYPE	
									BEFORE ANCHOR SET	AFTER ANCHOR SET		UP STA.	DOWN STA.
MAIN SPAN	-	65	4X0.6"	30'-8"	187	157	162	ALTERNATE	2.76	2.39	12	7	7
CLOSURE	-	1	4X0.6"	30'-8"	187	157	162	ALTERNATE	2.76	2.39	12	7	7
BACK SPAN	-	40	4X0.6"	30'-8"	187	157	162	ALTERNATE	2.76	2.39	12	7	7
NORTH LANDING	-	5	4X0.6"	30'-2"	187	157	161	ALTERNATE	2.71	2.34	12	7	7

REVISIONS DATE BY DESCRIPTION 				ENGINEER OF RECORD: 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618 W. DENNEY PATE, P.E. - P.E. NO. 34332				DRAWN BY: DCB CHECKED BY: EJE DESIGNED BY: FDI CHECKED BY: MF				FIU FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI-DADE 434688-1-58-01				SHEET TITLE: POST-TENSIONING SCHEDULE UNIVERSITYCITY PROSPERITY PROJECT			
												PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT SHEET NO. 8-69							

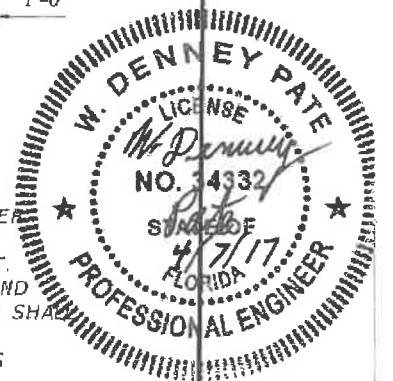
DIRECTION OF STATIONING



PIPE SUPPORT GEOMETRY				
PIPE	LENGTH - UPPER	LENGTH - LOWER	ANGLE TOP	ANGLE BOT.
1U	38'-3 3/4"	35'-11"	37.55°	51.92°
2U	51'-5 3/8"	49'-1 3/8"	43.08°	46.39°
3U	64'-8 3/8"	62'-4 3/4"	46.53°	42.94°
4U	78'-1 3/4"	75'-9 3/8"	48.88°	40.59°
5U	89'-2 3/4"	89'-2 3/4"	50.58°	38.89°
1D	38'-8 1/4"	36'-3 3/8"	37.11°	51.22°
2D	63'-3 3/8"	60'-10 7/8"	51.65°	36.68°
3D	89'-6 1/8"	86'-10 1/8"	58.34°	29.99°
4D	116'-4 1/2"	113'-5 3/4"	62.08°	26.25°
5D	143'-7 1/8"	140'-6"	64.45°	23.88°



- NOTES:**
- ALL PIPES SHALL BE ASTM A500 GRADE 46 STEEL 16" DIAMETER WITH A 1/4" WALL THICKNESS.
 - STEEL PLATES ARE CENTERED ON EACH PLATE WORKING POINT.
 - GROUT SHALL BE PREPACKAGED AND BE COMPOSED OF PORTLAND CEMENT AND SILICA SAND. MINIMUM COMPRESSIVE STRENGTH SHALL BE 8500 PSI.
 - USE TEMPLATE TO INSURE BOLT POSITIONS/ALIGNMENT DURING CONCRETE PLACEMENT.
 - ANCHOR BOLTS FOR SUPPORT PIPE CONNECTIONS SHALL BE ASTM F1554 GRADE 105 WITH ASTM A563 HEAVY-HEX NUTS AND ASTM F436 PLATE WASHER. GALVANIZED NUTS, BOLTS AND WASHERS IN ACCORDANCE WITH ASTM F2329. LENGTH OF BOLT IS EQUAL TO 30".
 - PIPE SUPPORT STEEL PLATE SHALL BE GRADE 36.
 - DURING BEARING REPLACEMENT, UNBOLT THE BOTTOM STAY PIPE CONNECTION PRIOR TO JACKING THE SPAN.
 - T.D.C. - TOP DEAD CENTER REPRESENTS THE LONGEST LENGTH OF PIPE.
 - ALL PIPES SHALL BE COATED AND CONFORM TO FDOT STANDARD SPECIFICATIONS SECTION 975-2.3.1.
 - GROUT SHALL BE PREPACKAGED AND BE COMPOSED OF A SIMILAR CONCRETE MIX AS THE SUPERSTRUCTURE. MINIMUM COMPRESSIVE STRENGTH SHALL BE 8500 PSI.
 - USE TEMPLATE TO INSURE BOLT POSITIONS/ALIGNMENT DURING CONCRETE PLACEMENT.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: LTC
 CHECKED BY: EDL
 DESIGNED BY: EDL
 CHECKED BY: MF

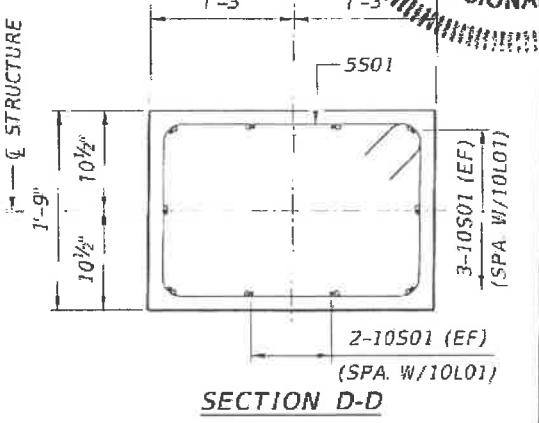
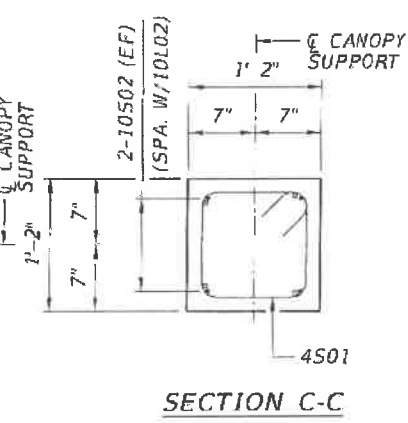
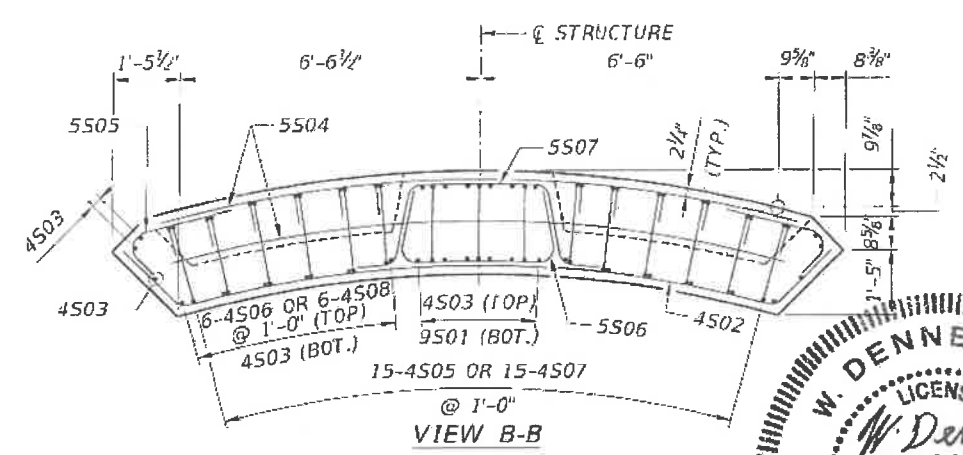
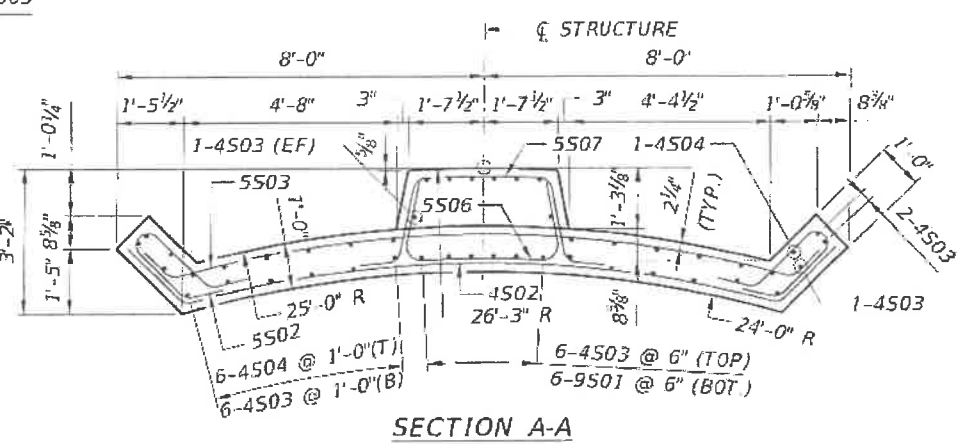
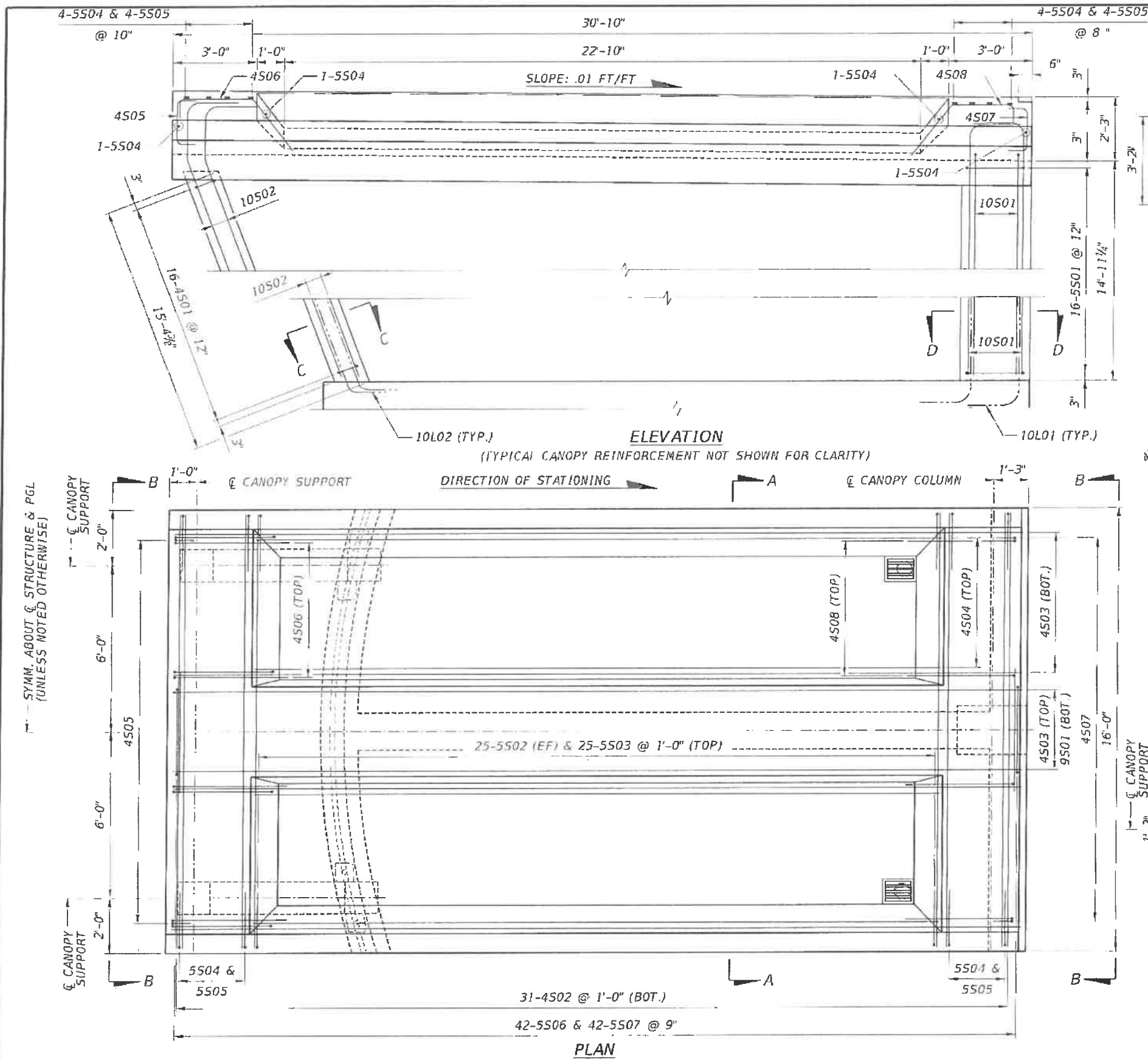
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

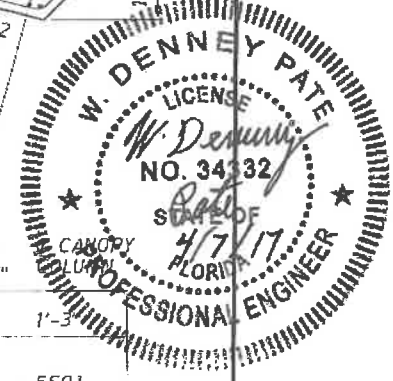
PIPE SUPPORT DETAILS

UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-70



- NOTES:**
1. FOR EXPANSION JOINT DETAILS, SEE EXPANSION JOINT DETAILS DRAWING.
 2. FOR DRAINAGE DETAILS, SEE DRAINAGE DETAILS DRAWING.
 3. FOR BAR LIST, SEE SUPERSTRUCTURE REINFORCEMENT BAR LIST DRAWINGS.
 4. CONCRETE COVER IS 2" UNLESS NOTED OTHERWISE.
 5. CONCRETE FINISH SHALL BE CLASS 3 SURFACE FINISH IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 400-15.2.4.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
FIGG
 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: KJM
 CHECKED BY: ENH
 DESIGNED BY: ENH
 CHECKED BY: MF

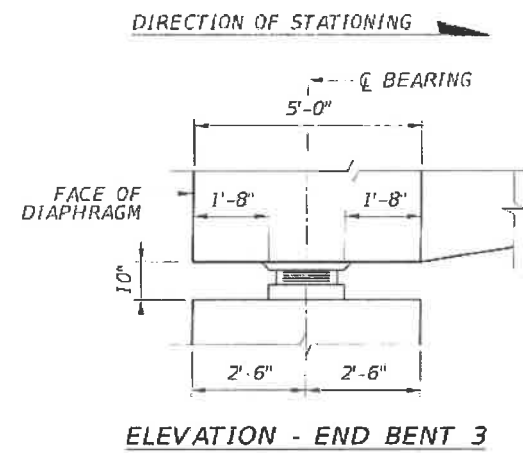
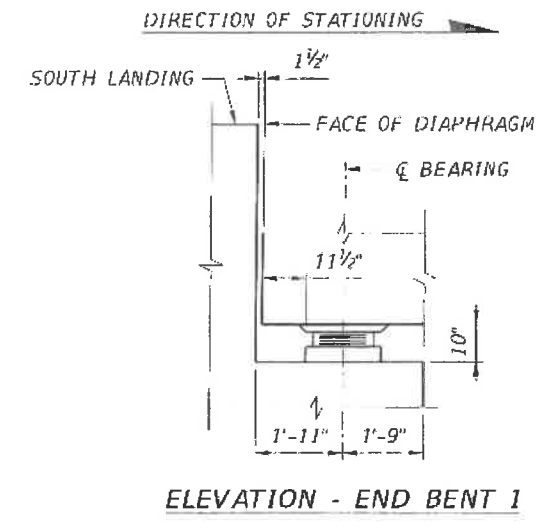
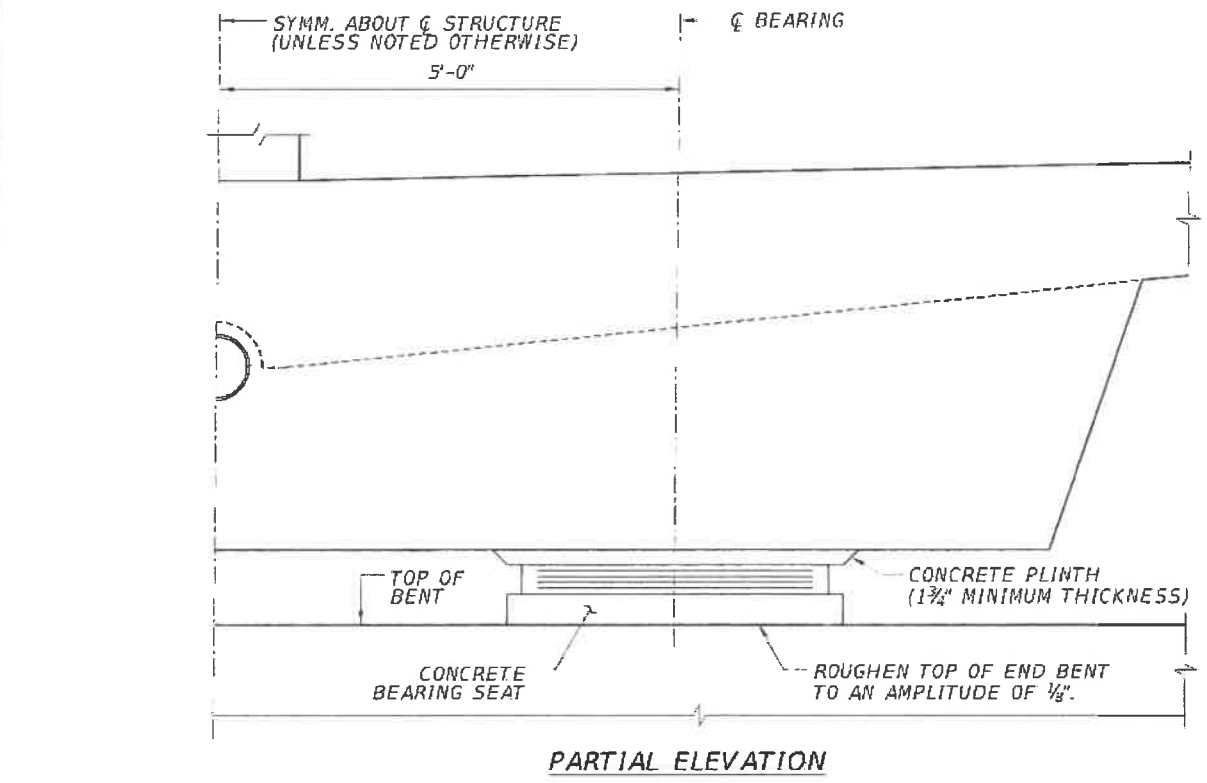
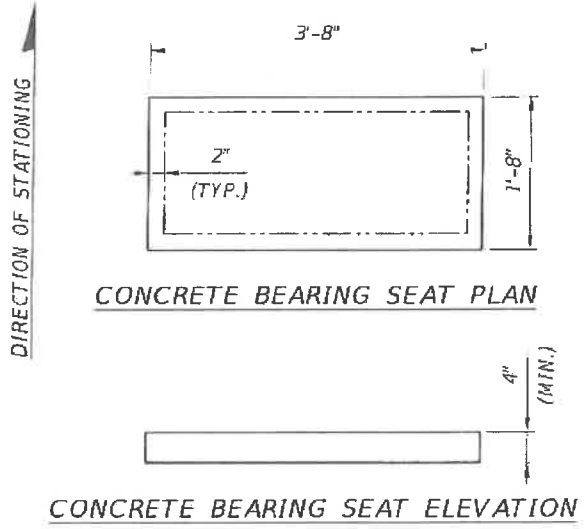
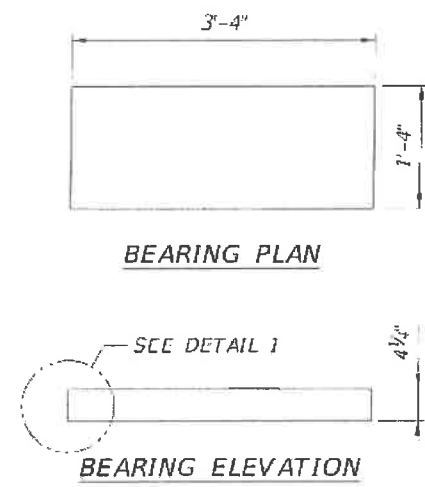
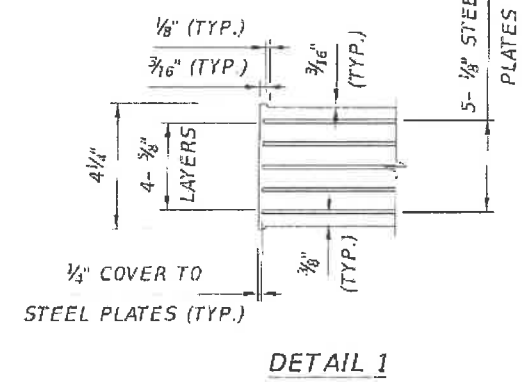
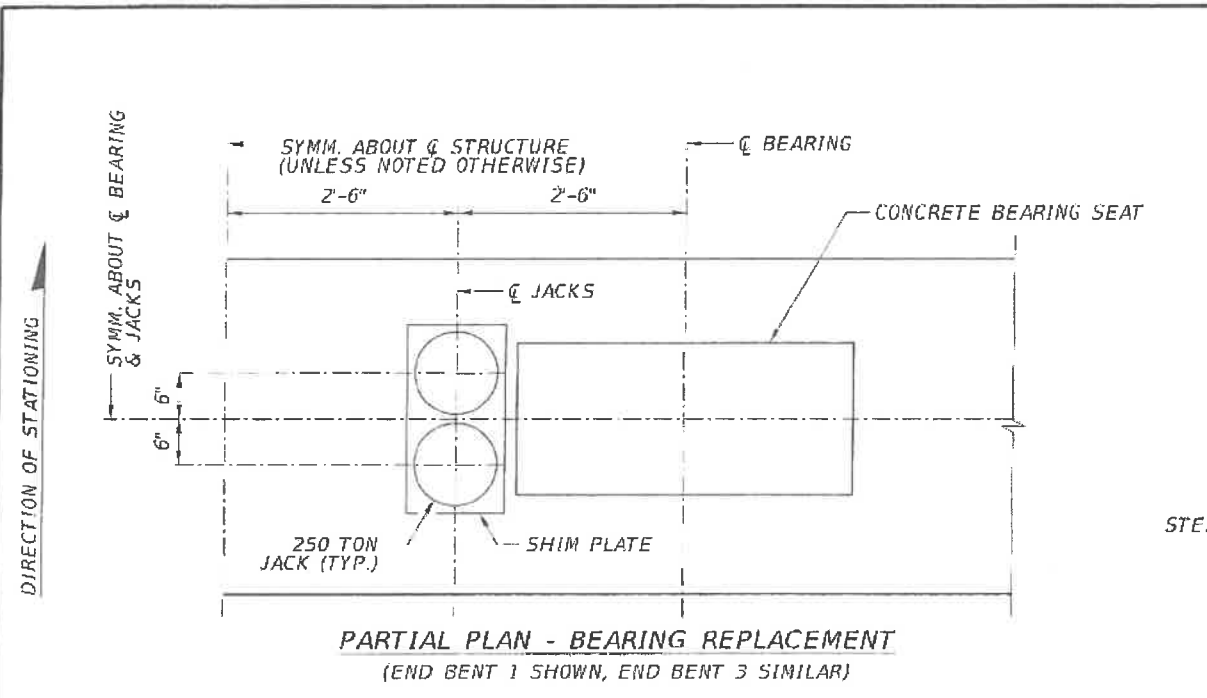
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. MIAMI-DADE COUNTY PROJECT ID 434688-1-58-01

SHEET TITLE: SOUTH LANDING CANOPY DIMENSIONS AND REINFORCEMENT

PROJECT NAME: UNIVERSITY CITY PROSPERITY PROJECT

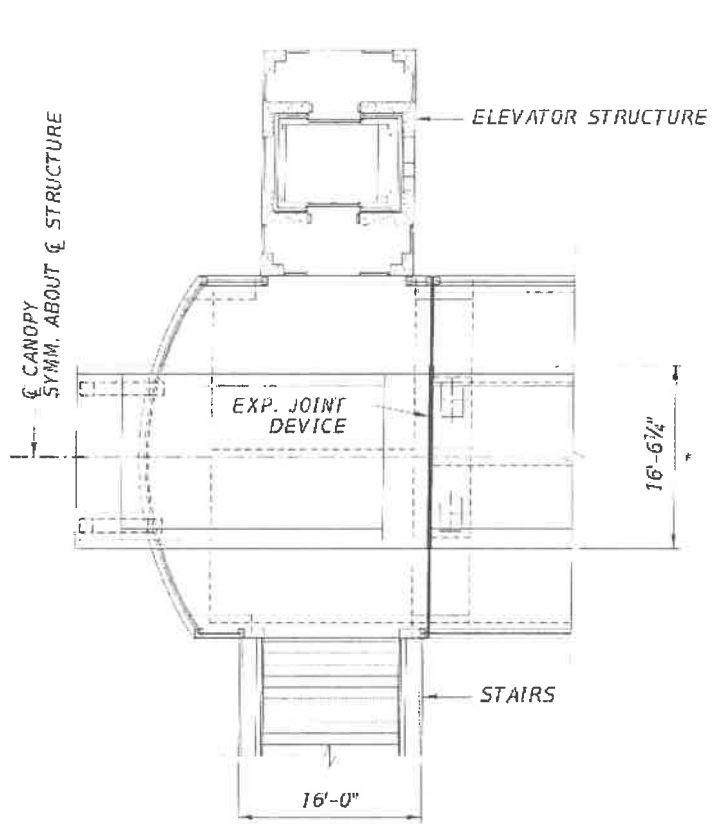
SHEET NO. B-71



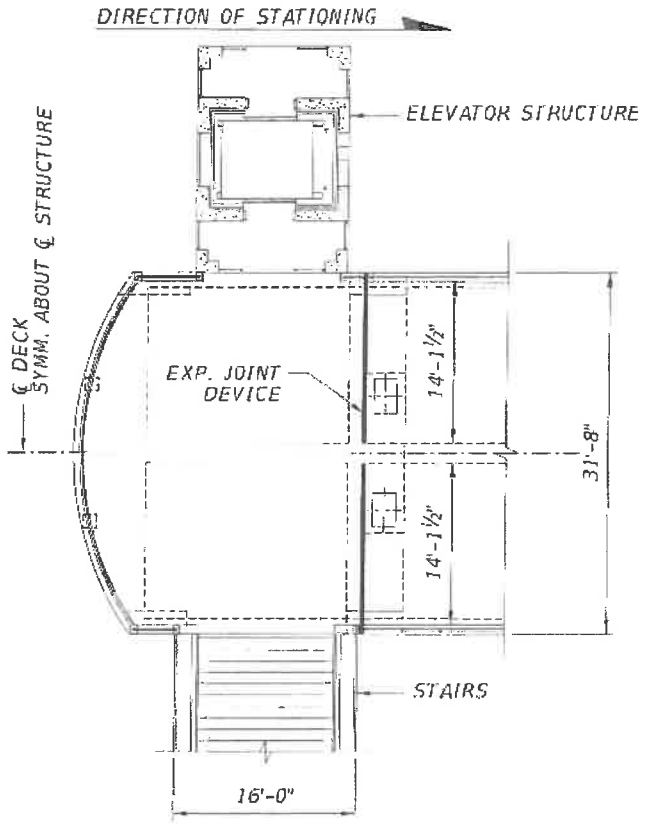
- NOTES:**
1. ELASTOMERIC BEARING DESIGN PER AASHTO LRFD METHOD B.
 2. ELASTOMER MATERIAL SHALL BE 50 DUROMETER HARDNESS WITH A SHEAR MODULUS OF 0.110 KSI @ 73° F.
 3. STEEL PLATES SHALL CONFORM TO ASTM A1011 GRADE 36, TYPE 1.
 4. ELASTOMERIC BEARINGS SHALL BE MOLDED AS A SINGLE UNIT.
 5. CONCRETE PLINTH SHALL PROVIDE UNIFORM BEARING OVER ITS ENTIRE CONTACT AREA.
 6. FOR CONCRETE BEARING SEAT COMPRESSIVE STRENGTH, SEE GENERAL NOTES.
 7. FOR NEOPRENE BEARING TYPE LOCATIONS, SEE GP&E DRAWING.
 8. FOR BEARING REINFORCING DETAILS, SEE SOUTH LANDING BENT DIMENSIONS AND REINFORCEMENT AND NORTH LANDING BENT DIMENSIONS AND REINFORCEMENT DRAWINGS.

- BEARING REPLACEMENT NOTES:**
1. THE DIFFERENTIAL VERTICAL DISPLACEMENT BETWEEN THE LEFT AND RIGHT BEARING MUST NOT EXCEED 1/8" AT CL BEARING.
 2. ALL JACKS AT A GIVEN LOCATION ARE TO BE ON A COMMON MANIFOLD TO ENSURE EQUAL PRESSURE AND EVEN LIFTING.
 3. BEARINGS SHALL BE REPLACED AT ONLY ONE BENT AT A TIME.
 4. ASSUMED DIAMETER IS 10 7/8" FOR THE 250 TON JACK (BASED ON ENERPAC CLP-2502).
 5. DURING BEARING REPLACEMENT, UNBOLT THE BOTTOM STAY PIPE CONNECTION PRIOR TO JACKING THE SPAN.
 6. FOR ADDITIONAL BEARING REPLACEMENT NOTES, SEE GENERAL NOTES.

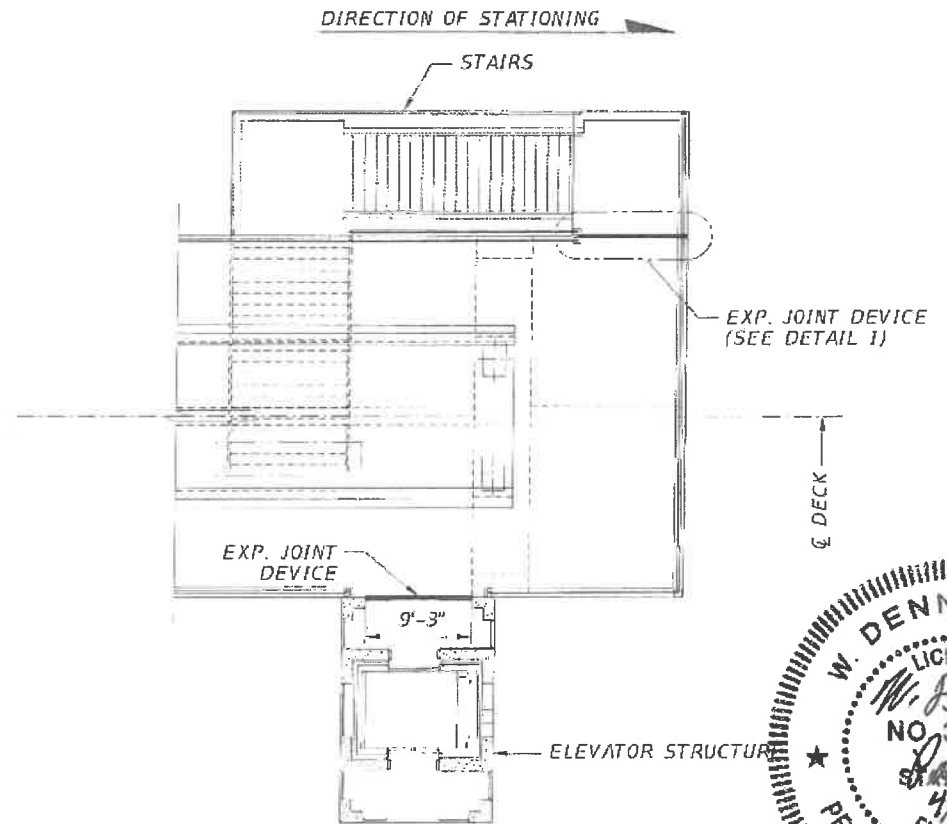
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	PROJECT NO.	PROJECT NAME
ENGINEER OF RECORD: W. DENNEY PATE 424 North Calhoun Street Tallahassee, Florida 32301 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818 W. DENNEY PATE, P.E. - P.E. NO. 34332						DRAWN BY: KJM CHECKED BY: ENH DESIGNED BY: ENH CHECKED BY: NF		FIU FLORIDA INTERNATIONAL UNIVERSITY ROAD NO. COUNTY PROJECT ID MIAMI - DADE MIAMI - DADE 434688-1-58-01 MIAMI - DADE	
						SHEET TITLE: BEARING DETAILS		PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT	



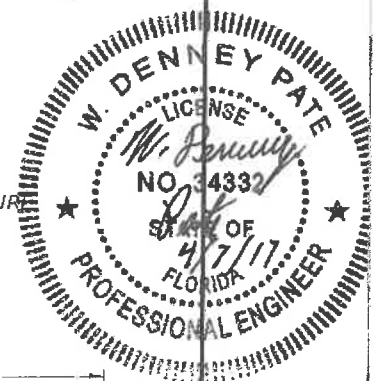
EXPANSION JOINT - SOUTH LANDING - CANOPY



EXPANSION JOINT - SOUTH LANDING - DECK

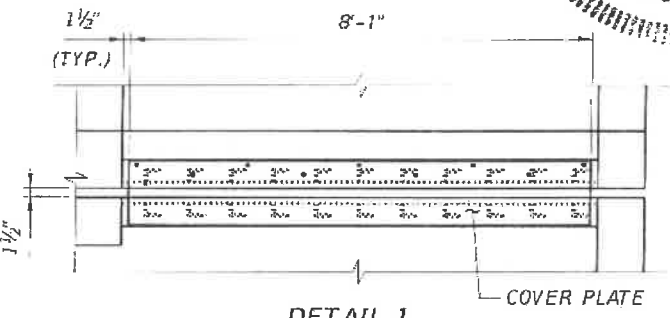


EXPANSION JOINT - NORTH LANDING DECK



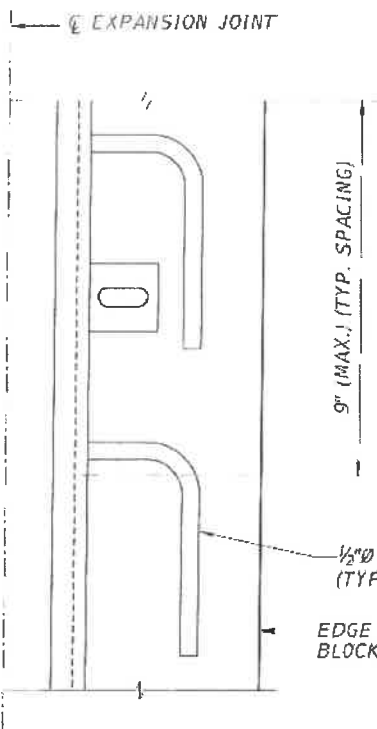
STRIP SEAL EXPANSION JOINT DATA TABLE INDEX NO. 21100								Table Date 01/01/12	
LOCATION	TOTAL DESIGN MOVEMENT			MOVEMENT ANGLE α	SKEW ANGLE		DIM. "A" @ 70°F	DIM. "A" ADJUSTMENT PER 10°F	
	IN DIRECTION OF MOVEMENT	PERPENDICULAR TO C JOINT	PARALLEL TO C JOINT		LEFT SIDE	RIGHT SIDE			
SOUTH LANDING DECK & CANOPY	1 1/2"	1 1/2"	0"	0° 00' 00"	0°	0°	1 1/2"	1/8"	
NORTH LANDING DECK	1 5/16"	0"	1 5/16"	0° 00' 00"	0°	0°	1 1/2"	1/16"	
NORTH LANDING DECK - ELEVATOR	1 5/16"	0"	1 5/16"	0° 00' 00"	0°	0°	1"	1/16"	

NOTE:
DIM. "A" ADJUSTMENT PER 10°F SHOWN IS MEASURED PERPENDICULAR TO C EXPANSION JOINT.
FOR THEORETICAL DIRECTION OF MOVEMENT, SEE INDEX NO. 21100, SHEET 1.

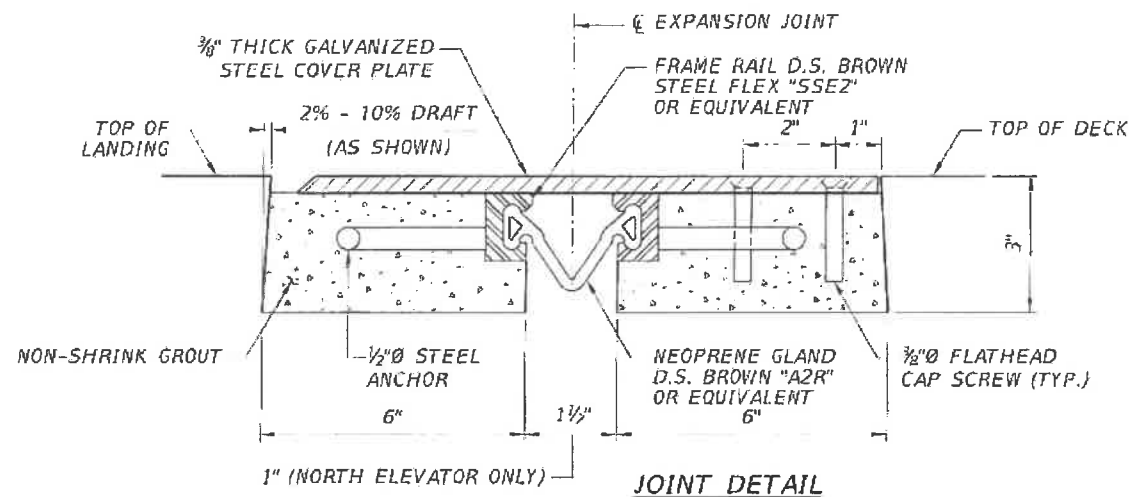


DETAIL 1
(9'-3" JOINT SIMILAR)

- NOTES:
1. THE EXPANSION JOINT SHALL MEET THE ADA REQUIREMENTS.
 2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS TO INSURE ACCURACY OF THE EXPANSION JOINT PRIOR TO FABRICATION.
 3. EXPANSION JOINT BLOCKOUT SHALL BE SANDBLASTED PRIOR TO INSTALLATION OF THE NON-SHRINK GROUT.
 4. ALL STUDS SHALL BE ASTM 496 STEEL AND SHALL BE SHOP WELDED.
 5. INSTALLATION OF THE NON-SHRINK GROUT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PROCEDURE.
 6. ALL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT STRUCTURAL WELDING CODE AWS D1.5 BRIDGE WELDING CODE (2005).
 7. STEEL COVER PLATE IS NOT REQUIRED AT CANOPY EXPANSION JOINT.
- * LENGTH INCLUDES WING PORTION AT CANOPY ENDS.



EXPANSION JOINT PLAN



JOINT DETAIL

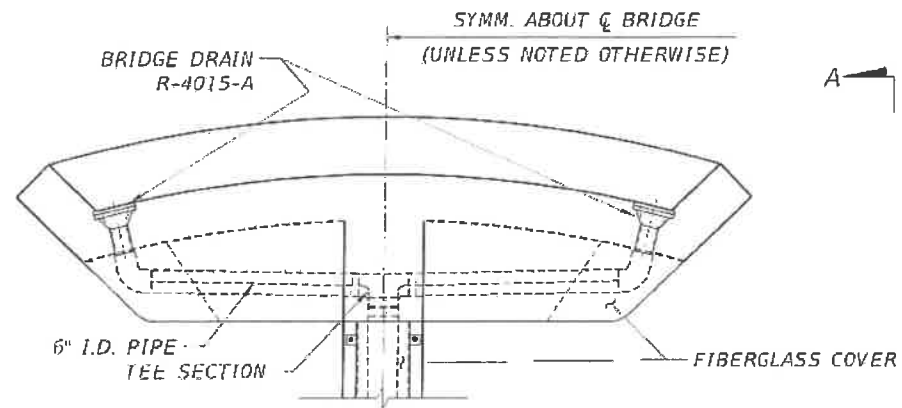
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESCRIPTION
									EXPANSION JOINT DETAILS
									UNIVERSITYCITY PROSPERITY PROJECT

ENGINEER OF RECORD: FIBB, 424 North Calhoun Street, Tallahassee, Florida 32301, FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818, W. DENNEY PATE, P.E. - P.E. NO. 34332

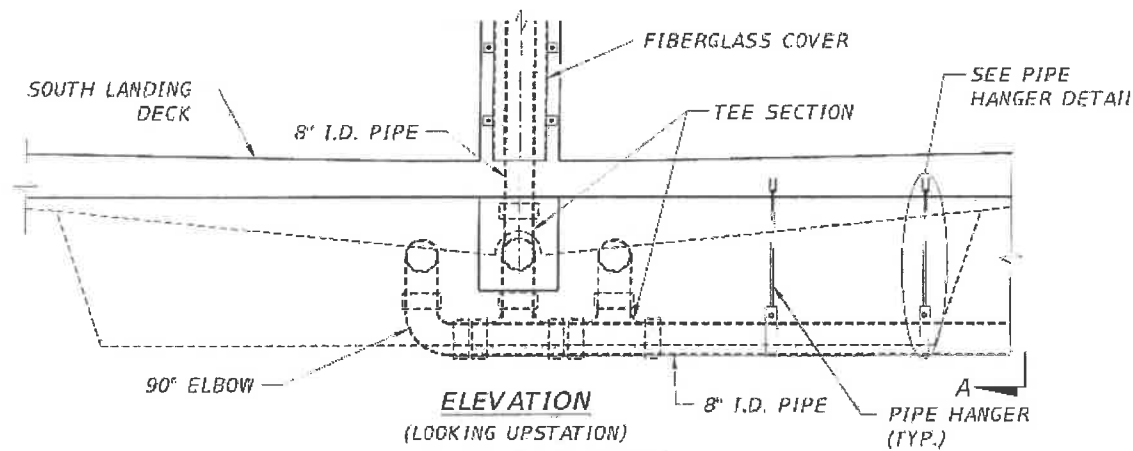
DRAWN BY: DCB, CHECKED BY: MF, DESIGNED BY: FDI, CHECKED BY: MF

ROAD NO.: MIAMI-DADE, COUNTY: MIAMI-DADE, PROJECT ID: 434688-1-58-01

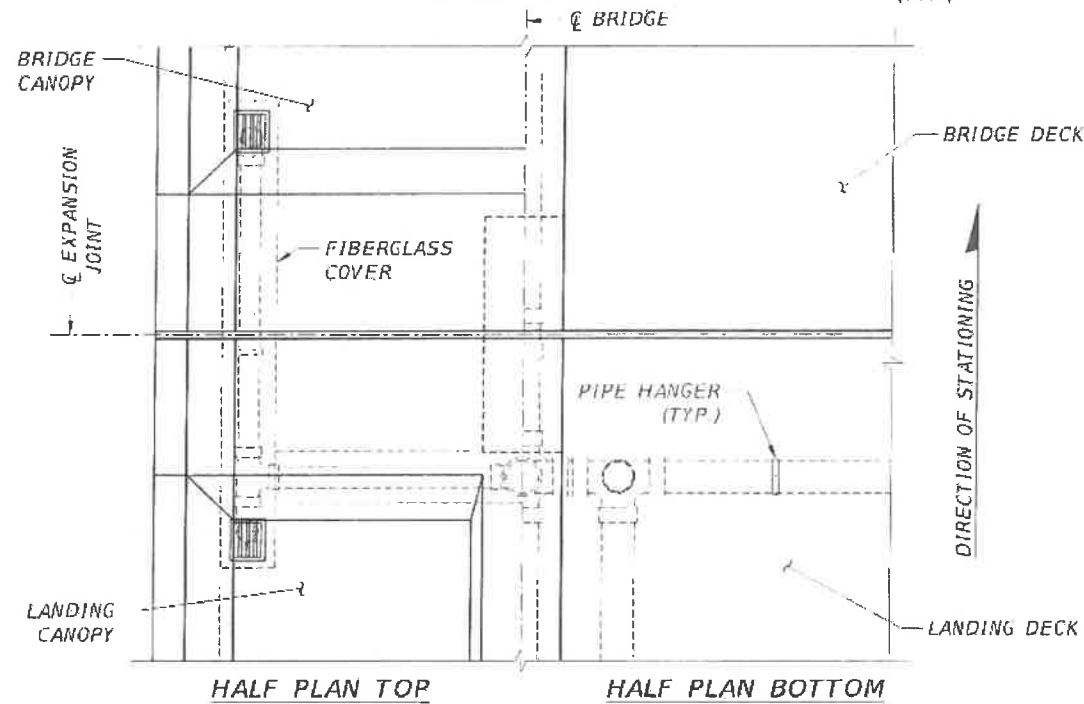
SHEET NO.: B-105



CANOPY END DETAIL

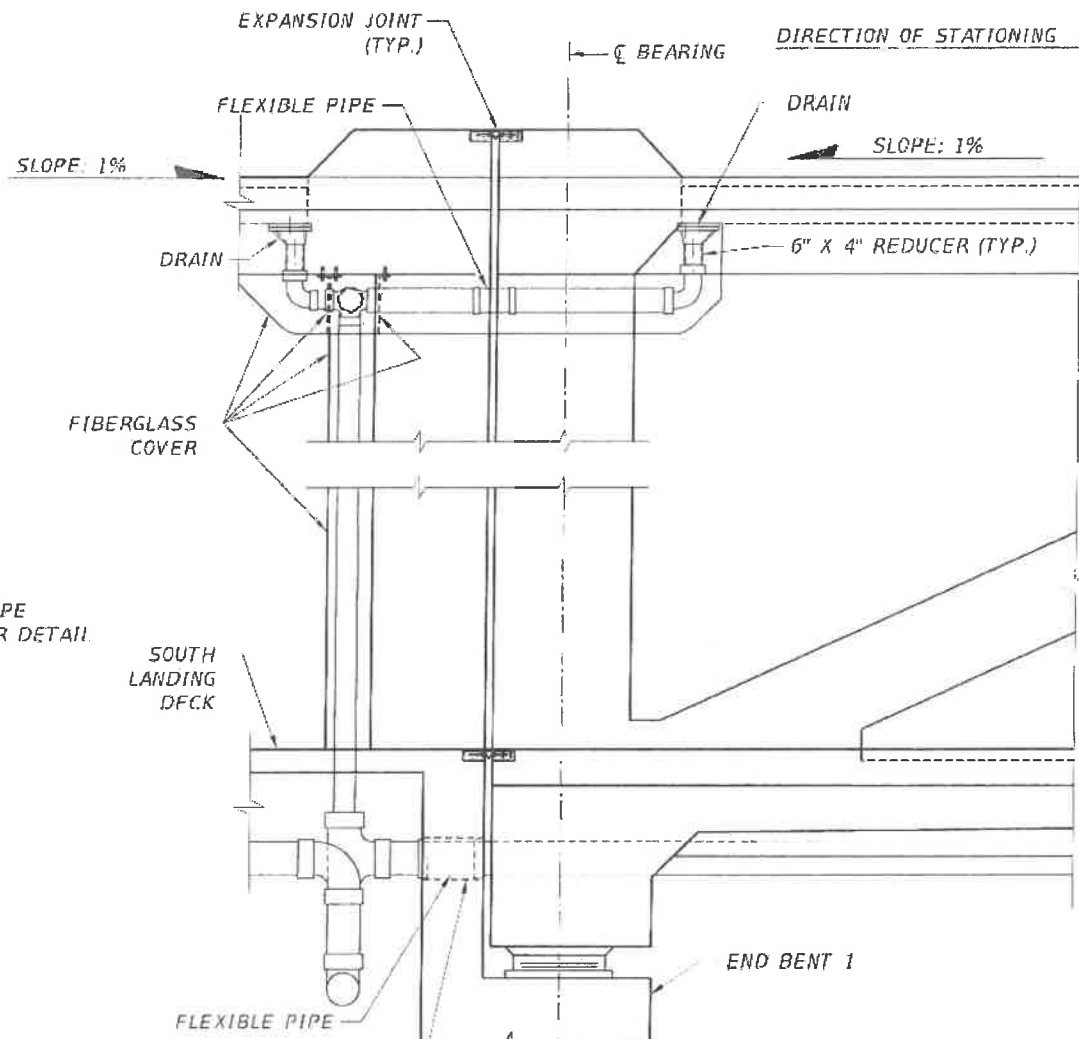


ELEVATION
(LOOKING UPSTATION)

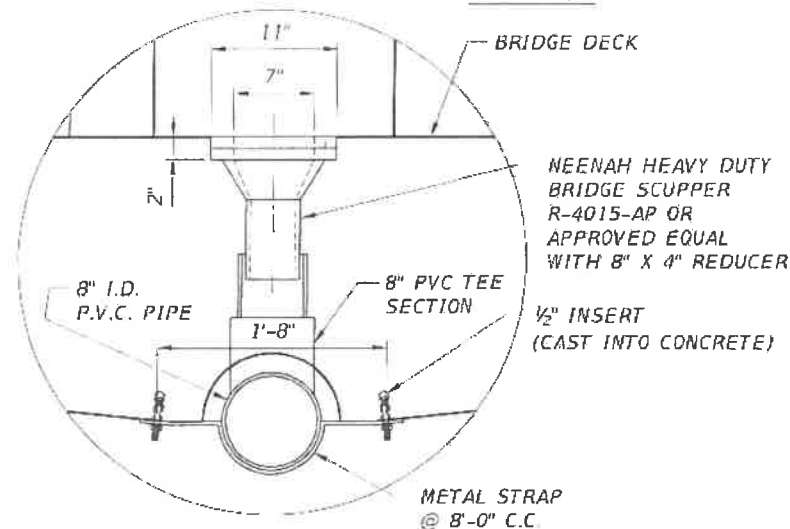


HALF PLAN TOP

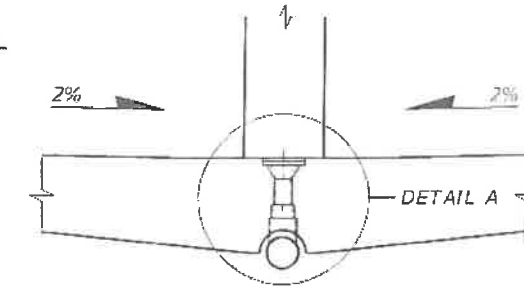
HALF PLAN BOTTOM



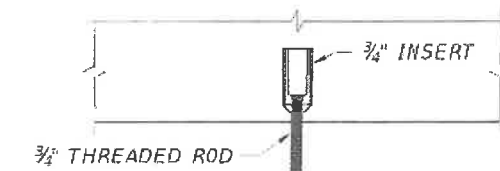
VIEW A-A



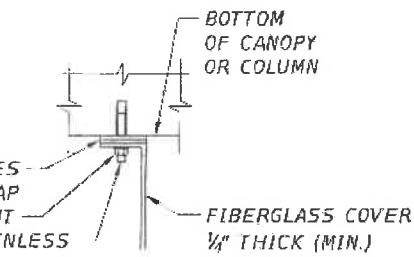
DETAIL A



DECK TYPICAL DETAIL



PIPE HANGER DETAIL
(MAX SPACING = 4'-0" C.C.)



TYPICAL CONNECTION DETAIL



NOTES:

1. THE PIPE GRADE SHALL MATCH THE SUPERSTRUCTURE AND/OR THE LANDING LONGITUDINAL GRADES.
2. ALL PVC PIPES SHALL BE SCHEDULE 80 DWV CONFORMING TO ASTM D 1784. PIPES NEED TO BE PAINTED.
3. ALL PIPES SHALL BE SECURELY SUPPORTED BY THE SUPERSTRUCTURE OR LANDINGS.
4. ALL METALLIC PIPE SUPPORT HARDWARE AND FASTENERS SHALL BE GALVANIZED.
5. FOR LOCATION OF DRAINS, SEE DECK TRANSVERSE REINFORCEMENT AND POST-TENSIONING DRAWINGS FOR THE MAIN SPAN AND BACK SPAN.
6. FLEXIBLE PIPE SHALL ACCOMMODATE A MINIMUM OF 1.5" OF MOVEMENT IN ANY DIRECTION.
7. PIPE HANGERS SHALL BE PLACED WITHIN 2'-0" OF ALL PIPE JOINTS.
8. WHEN PLACING CONCRETE, CARE SHALL BE TAKEN TO PREVENT HONEYCOMBING OR AIR POCKETS AROUND OR BENEATH THE DRAINS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5818
 W. DENNEY PATE, P.E. - P.E. NO. 34332

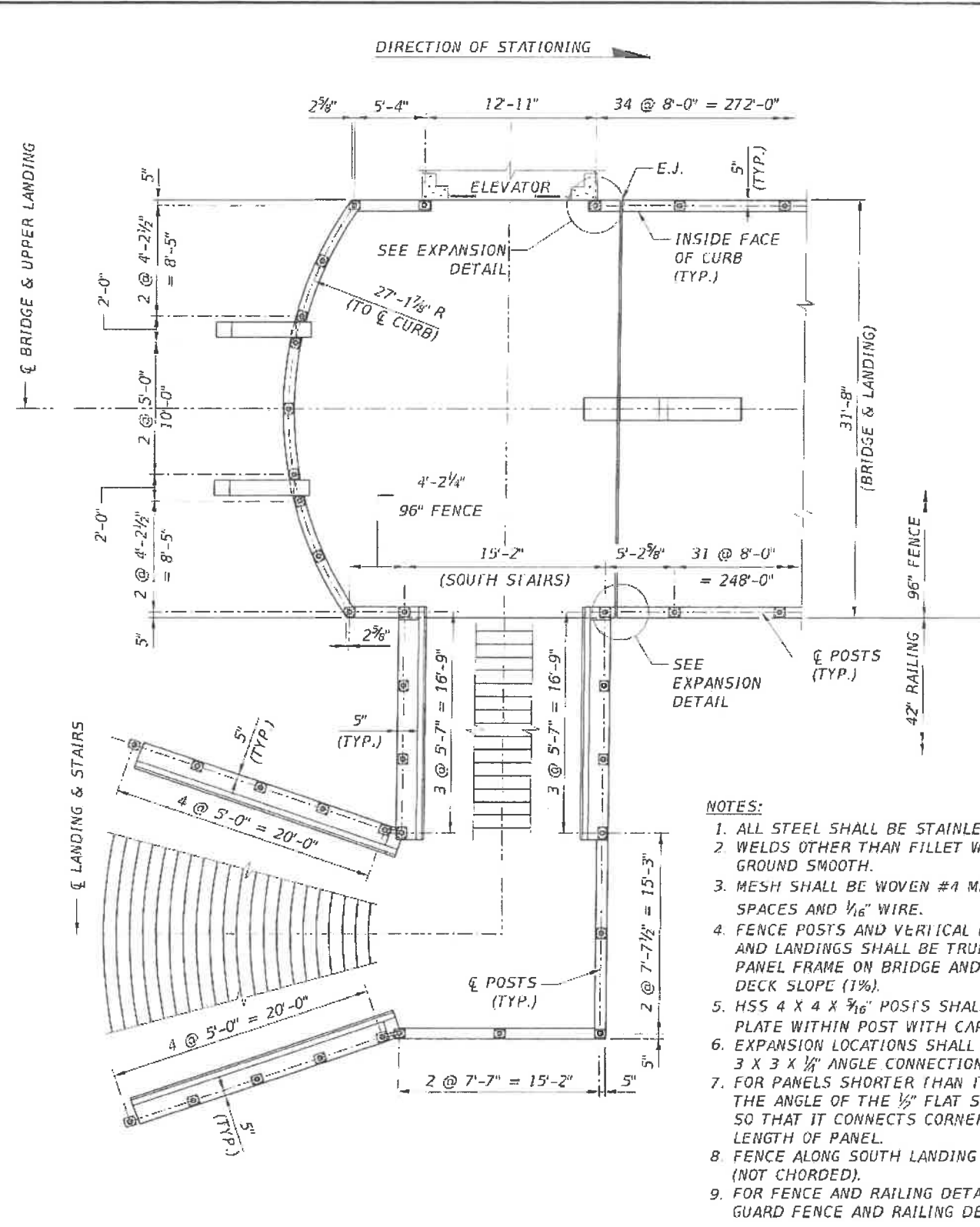
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 CHECKED BY: MF
 DESIGNED BY: MF
 CHECKED BY: EDL

ROAD NO. MIAMI-DADE COUNTY PROJECT ID 434688-1-58-01

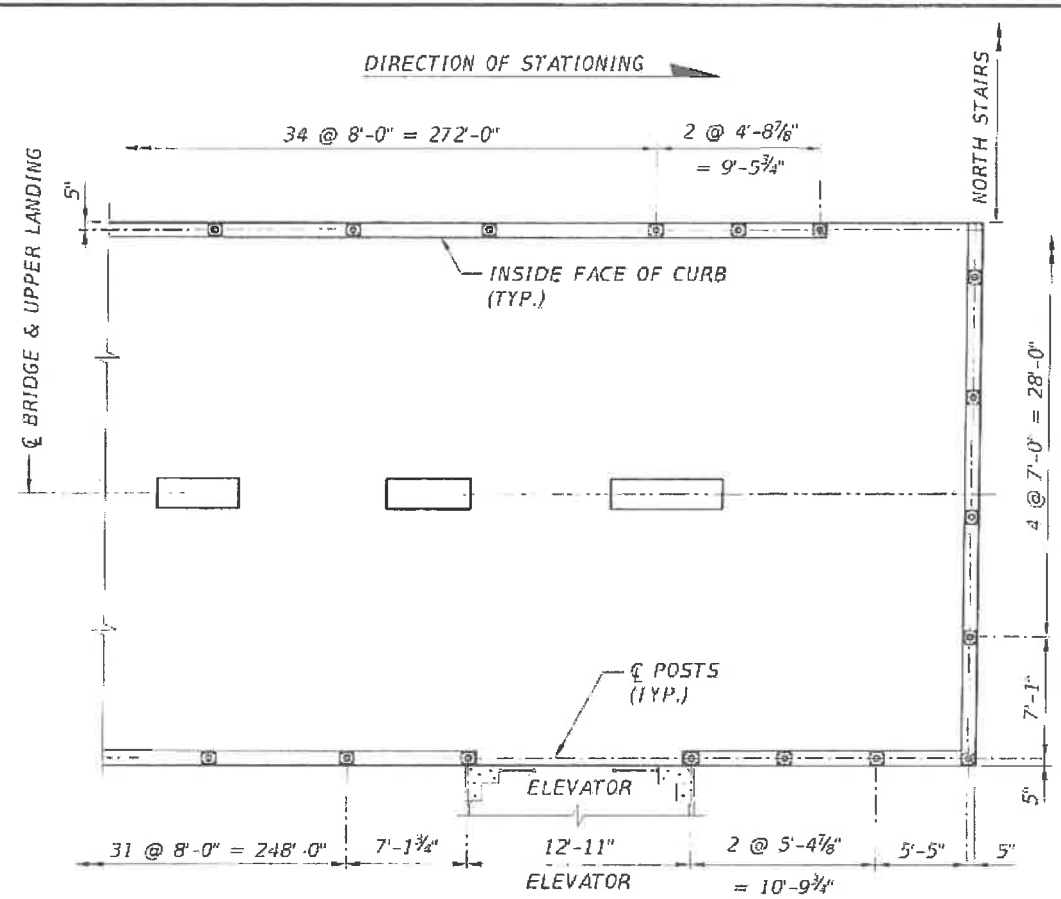
DRAINAGE DETAILS

UNIVERSITYCITY PROSPERITY PROJECT

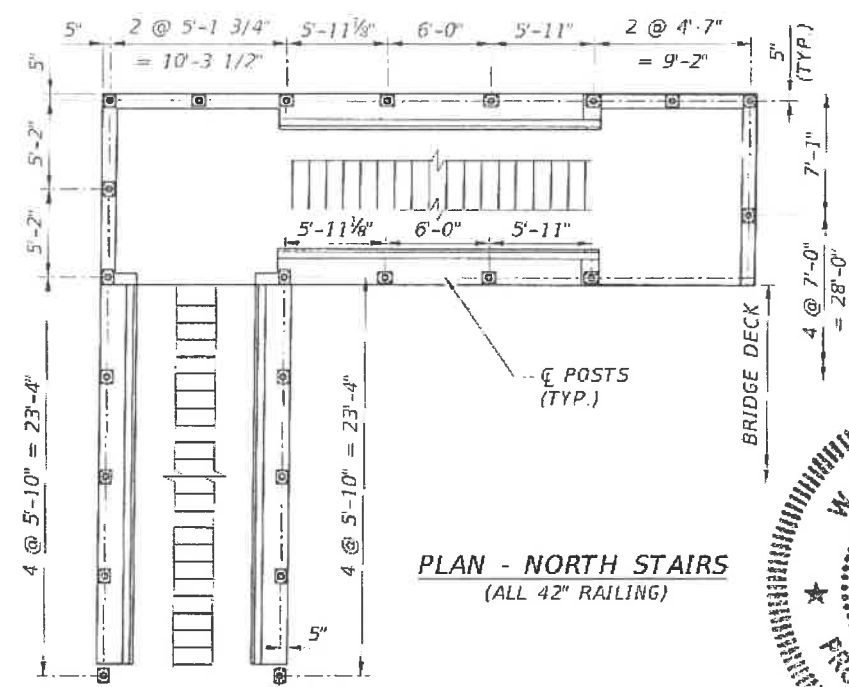
Sheet No. B-106



PLAN - SOUTH PLATFORM AND STAIRS

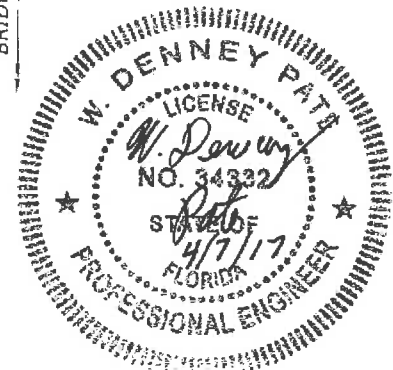


PLAN - NORTH PLATFORM
(ALL 96\"/>



PLAN - NORTH STAIRS
(ALL 42\"/>

- NOTES:**
1. ALL STEEL SHALL BE STAINLESS STEEL.
 2. WELDS OTHER THAN FILLET WELDS SHALL BE GROUND SMOOTH.
 3. MESH SHALL BE WOVEN #4 MESH WITH 3/16\"/>



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: SJF
CHECKED BY: IDS
DESIGNED BY: IDS
CHECKED BY: MF

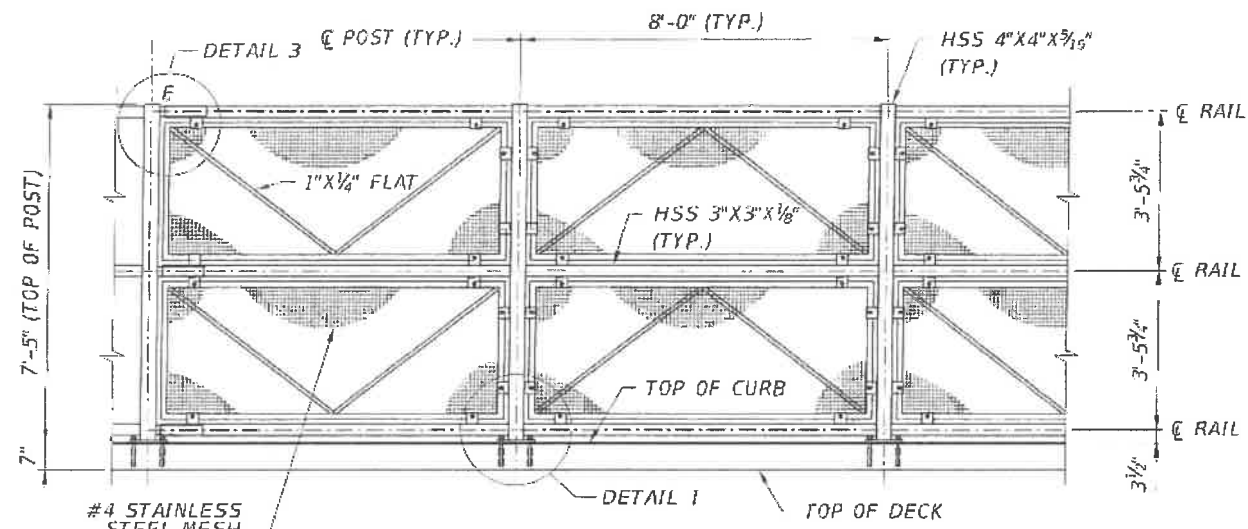
FIU FLORIDA INTERNATIONAL UNIVERSITY

ROAD NO. COUNTY PROJECT ID
 MIAMI-DADE 434688-1-58-01

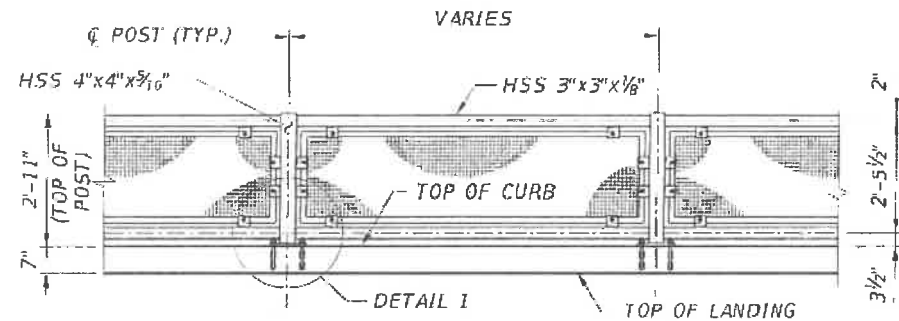
SHEET TITLE: MISSILE GUARD FENCE AND RAILING DETAILS (1 OF 2)

PROJECT NAME: UNIVERSITYCITY PROSPERITY PROJECT

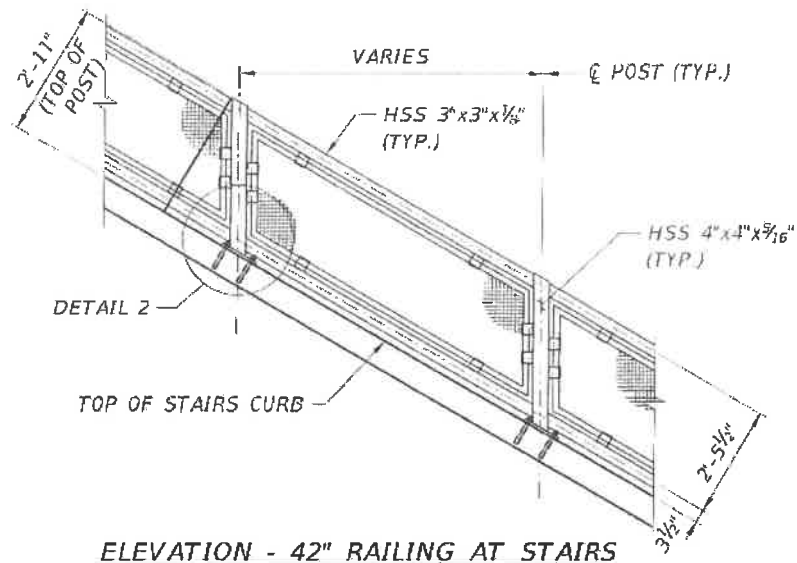
SHEET NO.: 6-107



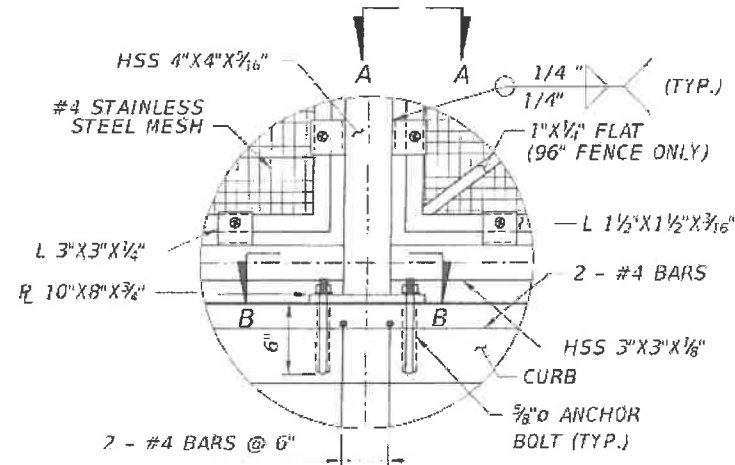
ELEVATION - 96" MISSILE GUARD FENCE



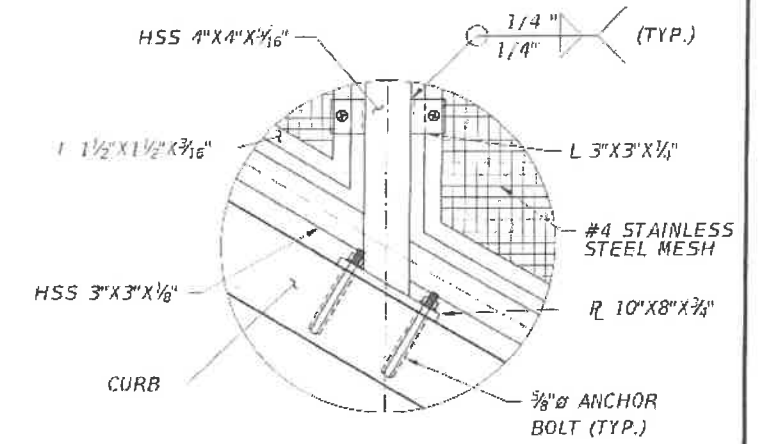
ELEVATION - 42" RAILING AT LANDINGS



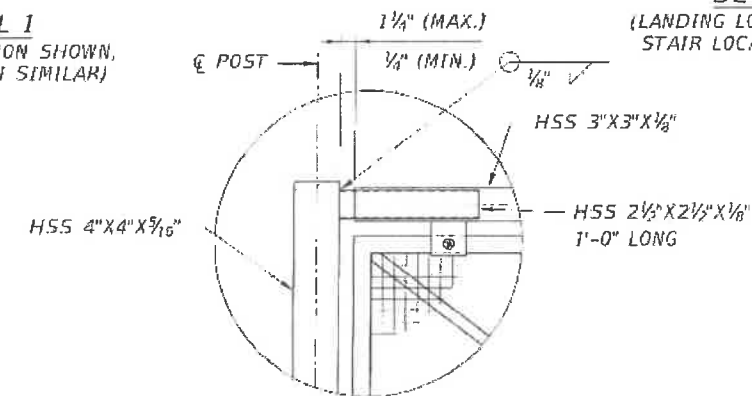
ELEVATION - 42" RAILING AT STAIRS



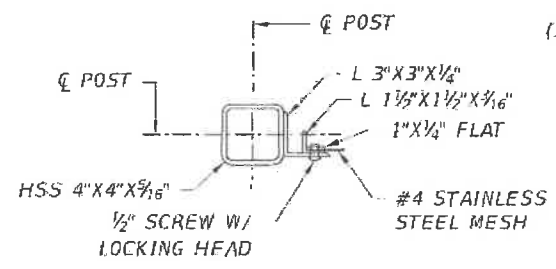
DETAIL 1
(LANDING LOCATION SHOWN,
STAIR LOCATION SIMILAR)



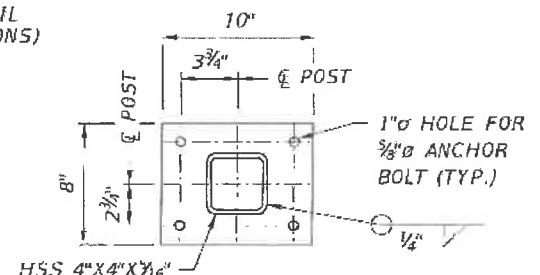
DETAIL 2
(LANDING LOCATION SHOWN,
STAIR LOCATION SIMILAR)



DETAIL 3
EXPANSION DETAIL
(SELECTED LOCATIONS)



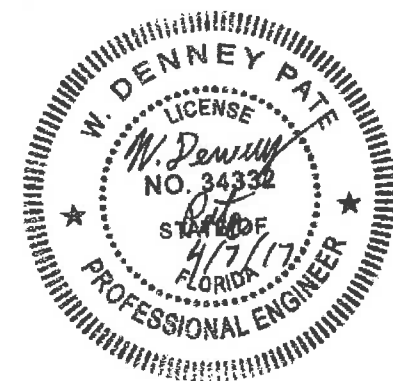
SECTION A-A



SECTION B-B

NOTES:

- FOR POST LOCATIONS AND NOTES, SEE MISSILE GUARD FENCE AND RAILING DETAILS SHEET (1 OF 2).
- SUBMITTALS: THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR THE ENGINEER'S APPROVAL PRIOR TO FABRICATION
 - SHOP DRAWINGS WITH COMPLETE DETAILS INCLUDING RAIL, BRACKET, SPLICES AND EXPANSION JOINT LOCATIONS. INDICATE COMPONENT DETAILS, MATERIALS, FINISHES, CONNECTIONS AND JOINING METHODS, AND THE RELATIONSHIP TO ADJOINING WORK.
 - SUMMARY OF THE MATERIALS PROPOSED FOR THE RAIL SYSTEM, INCLUDING MILL ANALYSIS WITH CERTIFICATION BY THE PRODUCER THAT THE PARTS MEET THE SPECIFICATIONS CALLED FOR PER SECTION 965-2 OF THE SPECIFICATIONS.
 - THE MANUFACTURER'S ENGINEERING DESIGN AND DATA FOR THE RAIL SYSTEM AND COMPONENTS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
 - THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PRODUCT DATA.
- INSTALL IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS
- THE #4 BARS LOCATED IN THE CURB SHOWN IN DETAIL 1 ARE NOT INCLUDED IN THE REBAR QUANTITIES.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 551R
 W. DENNEY PATE, P.E. - P.E. NO. 34332

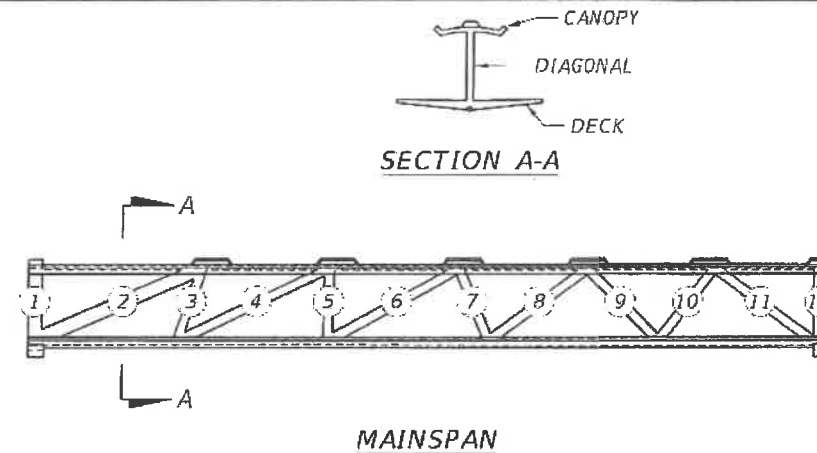
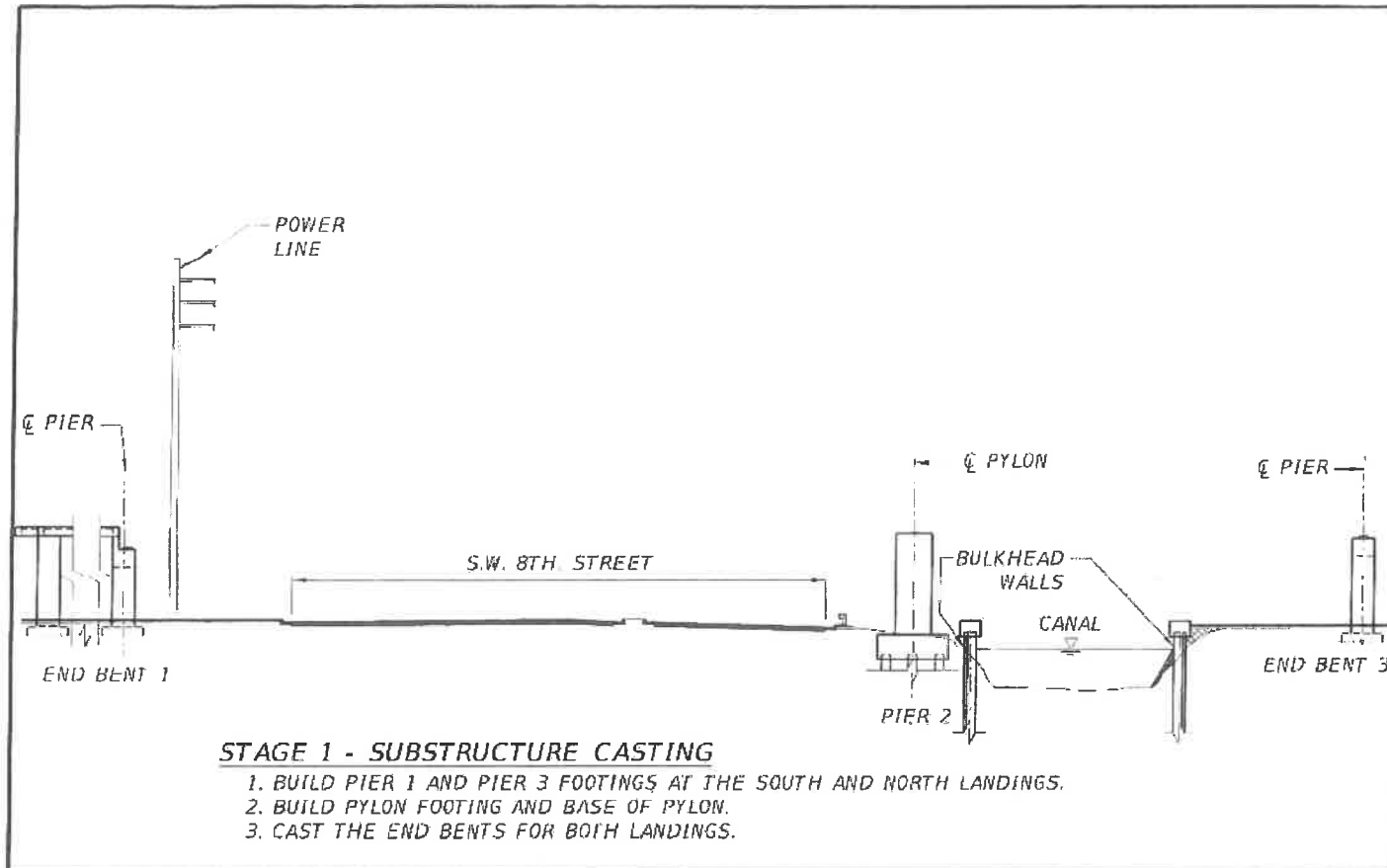
DRAWN BY: SJF
 CHECKED BY: JDS
 DESIGNED BY: JDS
 CHECKED BY: MF

ROAD NO: MIAMI-DADE COUNTY PROJECT ID: 434688-1-58-01

SHEET TITLE: MISSILE GUARD FENCE AND RAILING DETAILS (2 OF 2)

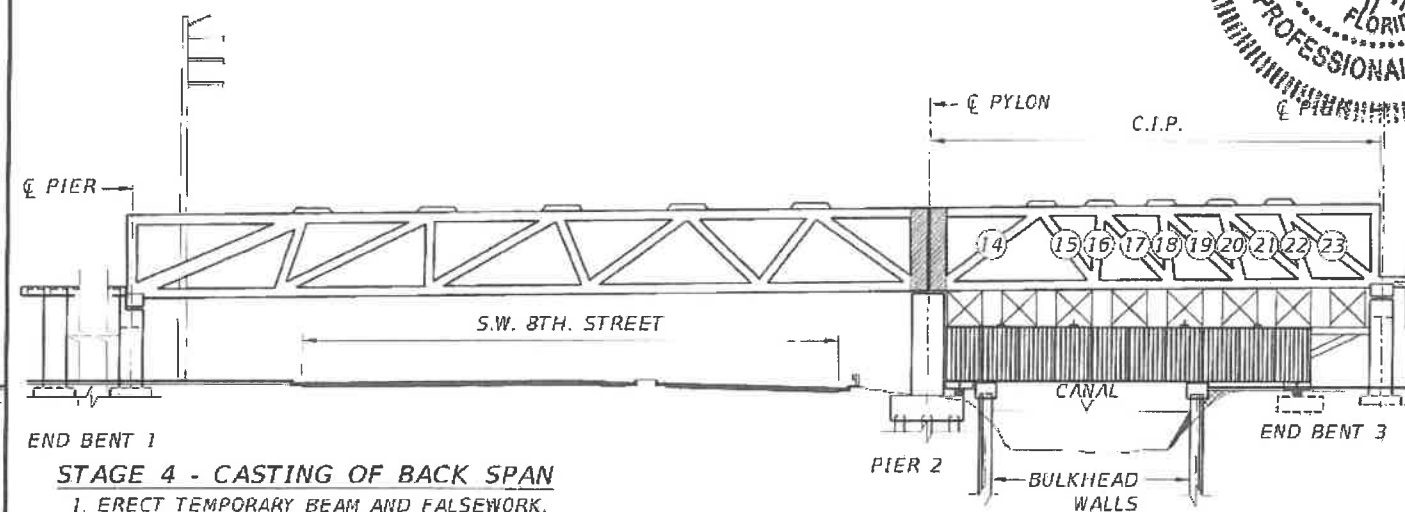
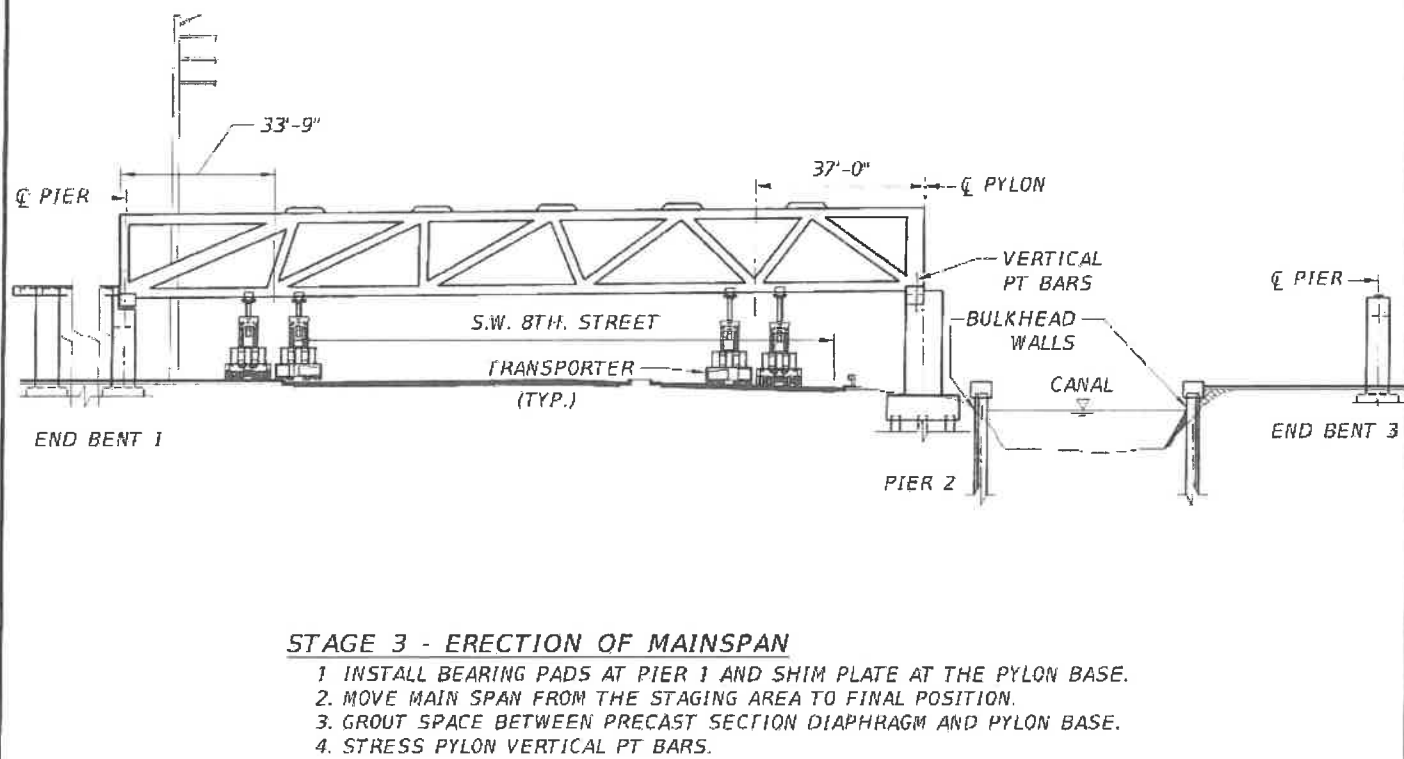
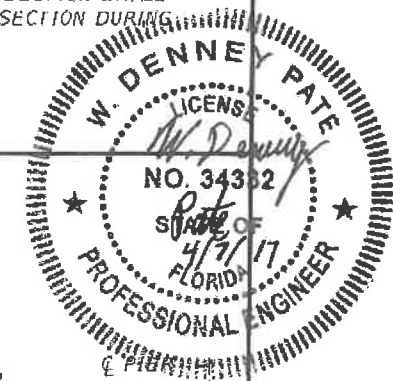
UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-108



STAGE 2 - SUPERSTRUCTURE PRE-CASTING

1. CAST MAIN SPAN SUPERSTRUCTURE AS FOLLOWS:
 - A) CAST DECK AND DIAPHRAGMS.
 - B) CAST DIAGONAL AND VERTICAL MEMBERS. INSTALL PT BARS AS SHOWN IN SHEET B-38.
 - C) CAST CANOPY AND TOP ANCHOR BLOCKS.
2. AFTER CONCRETE COMPRESSIVE STRENGTH HAS REACHED 6000 PSI, STRESS POST-TENSIONING OF THE MAIN SPAN IN THE FOLLOWING SEQUENCE:
 - I. STRESS DECK LONGITUDINAL TENDONS D1.
 - II. STRESS CANOPY LONGITUDINAL TENDONS C2.
 - III. STRESS PT BARS IN DIAGONAL MEMBERS 2 AND 11.
 - IV. STRESS DECK LONGITUDINAL TENDONS IN THE FOLLOWING SEQUENCE: D2, D3, D4, D5 & D6.
3. TEMPORARY SUPPORTS OF MAIN SPAN SECTION SHALL STAY IN THE MIDDLE OF THE CROSS SECTION DURING SPMT TRANSPORT.
5. STRESS BOTTOM SLAB TRANSVERSE POST-TENSIONING. ALTERNATED END STRESSING IS REQUIRED FOR THE TRANSVERSE TENDONS.
6. STRESS PT BARS IN DIAGONAL MEMBERS 3 AND 10.
7. STRESS PT BARS IN DIAGONAL MEMBERS 5 AND 8.
8. STRESS PT BARS IN DIAGONAL MEMBERS 6 AND 7.
9. STRESS CANOPY LONGITUDINAL TENDONS C3.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

 424 North Calhoun Street
 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: LTC
 CHECKED BY: MF
 DESIGNED BY: MF
 CHECKED BY: WDP

FIU FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID. PROJECT NAME:
 MIAMI-DADE 434688-1-58-01

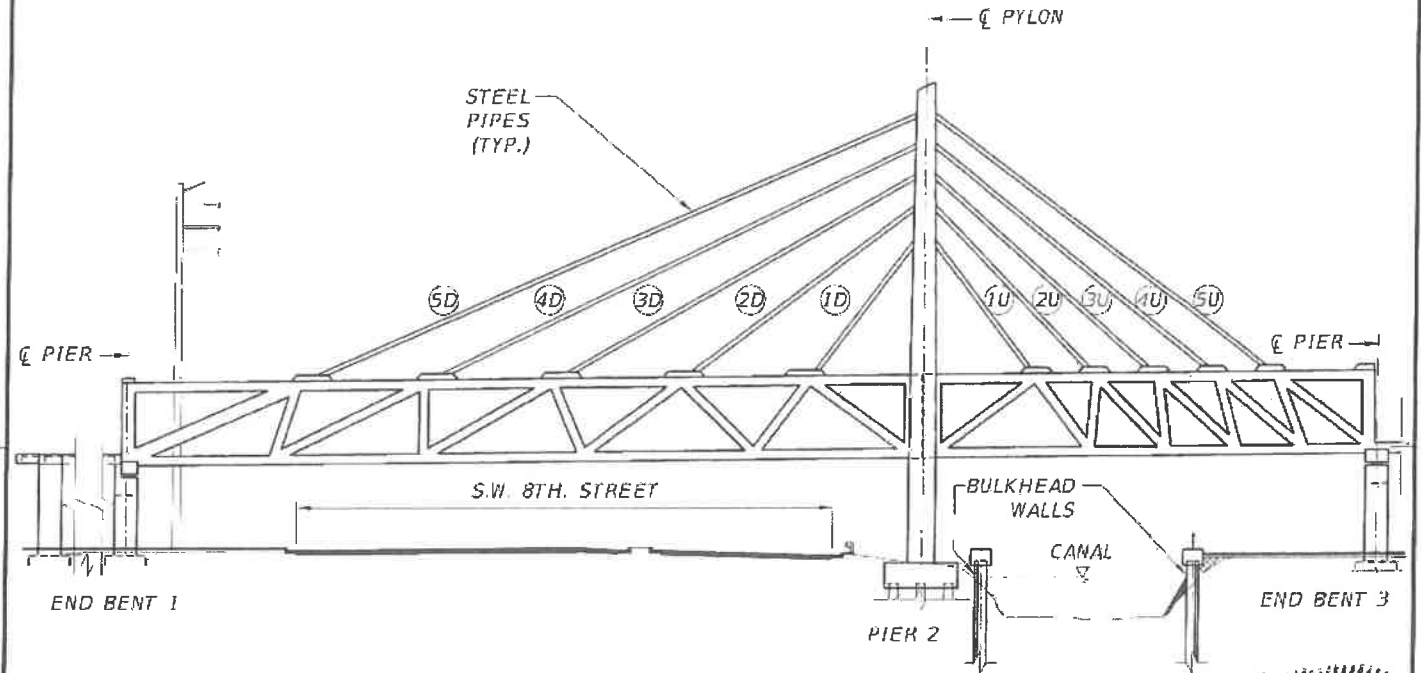
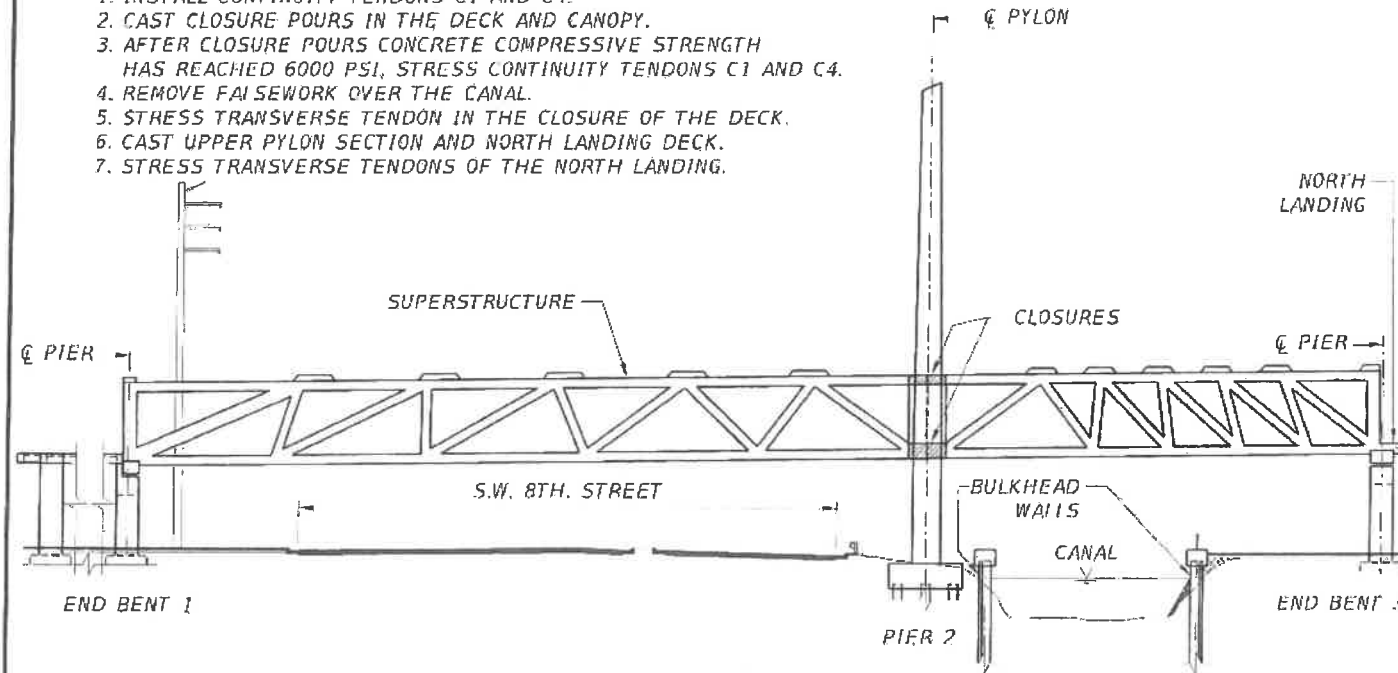
SHEET TITLE: **CONSTRUCTION SEQUENCE (1 OF 2)**

UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. **B-109**

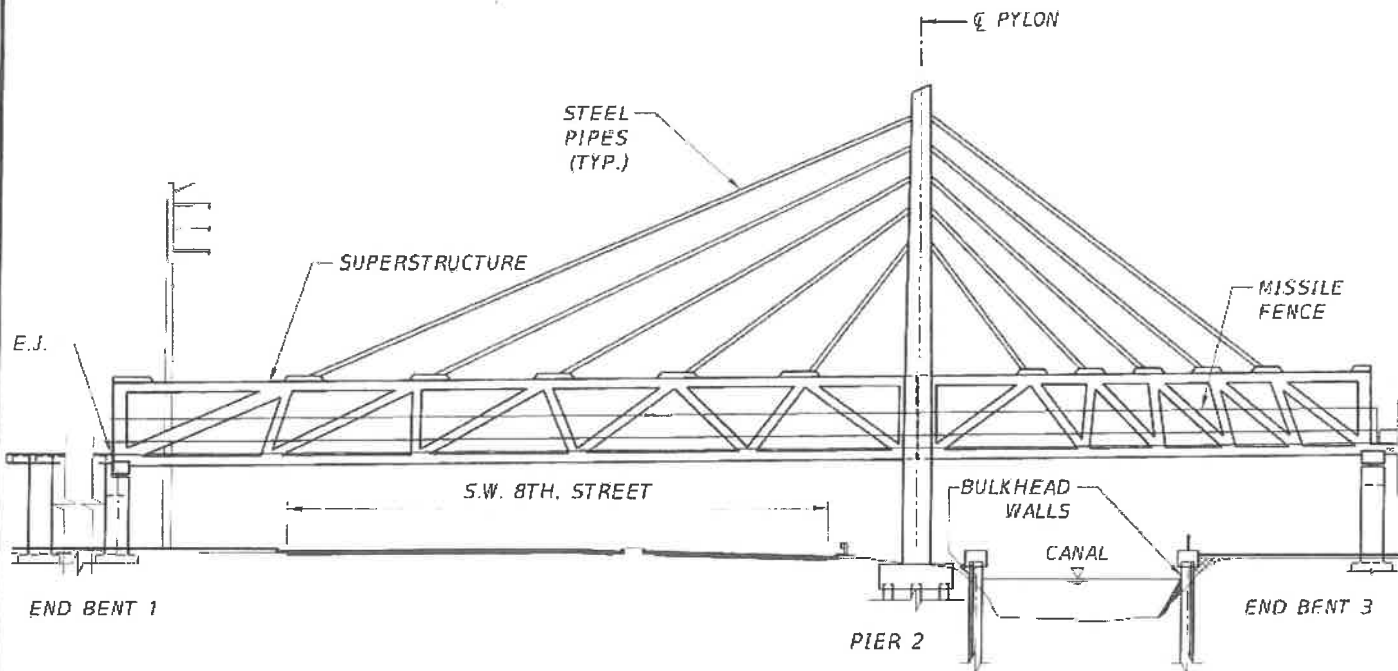
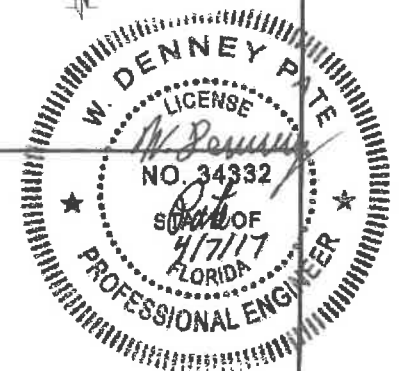
STAGE 5 - CONTINUITY TENDONS AND CASTING OF UPPER PYLON

1. INSTALL CONTINUITY TENDONS C1 AND C4.
2. CAST CLOSURE POURS IN THE DECK AND CANOPY.
3. AFTER CLOSURE POURS IN THE DECK AND CANOPY HAS REACHED 6000 PSI, STRESS CONTINUITY TENDONS C1 AND C4.
4. REMOVE FALSEWORK OVER THE CANAL.
5. STRESS TRANSVERSE TENDON IN THE CLOSURE OF THE DECK.
6. CAST UPPER PYLON SECTION AND NORTH LANDING DECK.
7. STRESS TRANSVERSE TENDONS OF THE NORTH LANDING.



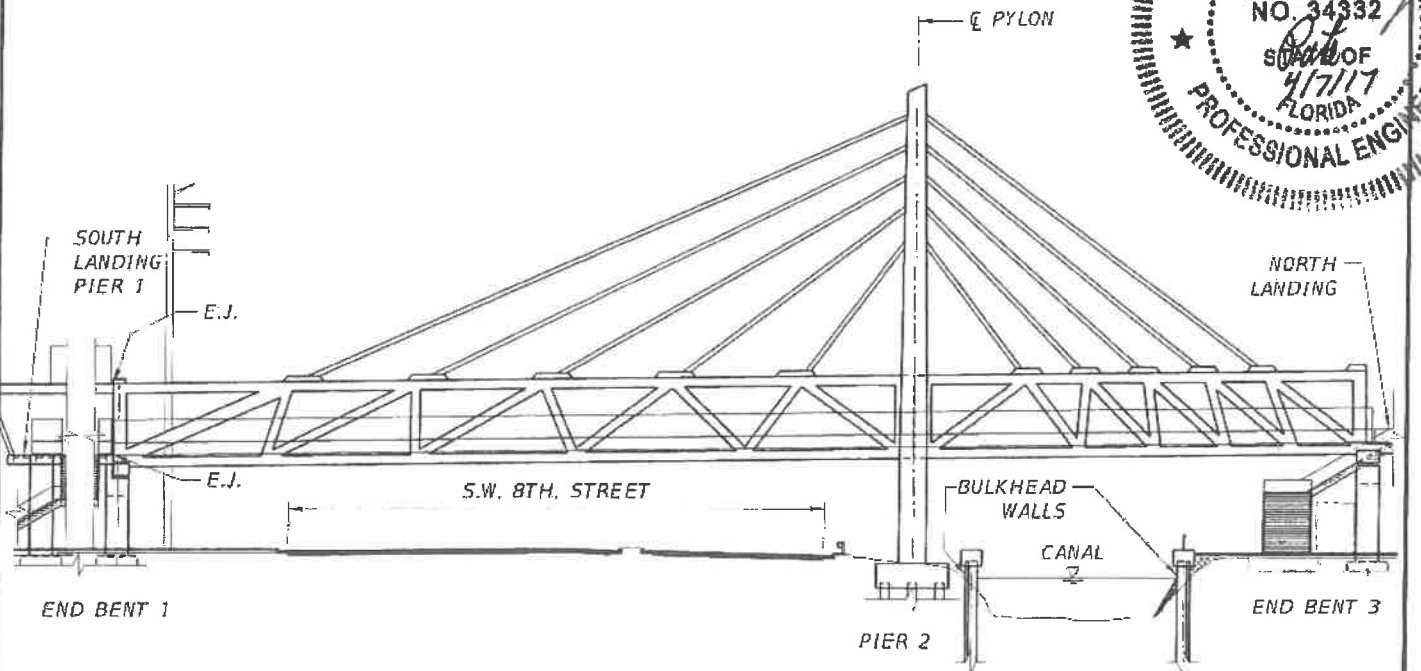
STAGE 6 - INSTALL PIPE SUPPORT SYSTEM

1. CONNECT STEEL PIPES TO THE SUPERSTRUCTURE AND UPPER PYLON. CONNECT PIPES ADJACENT TO THE PYLON FIRST.
2. CAST FENCE CONCRETE CURBS ON BOTH SPANS.



STAGE 7 - INSTALLATION OF BRIDGE COMPONENTS

1. INSTALL MISSILE FENCE.
2. INSTALL EXPANSION JOINTS AT END BENT 1 AND NORTH LANDING.
3. INSTALL BRIDGE LIGHTING AND DRAINAGE SYSTEM.



STAGE 8 - INSTALLATION OF LANDINGS

1. BUILD ELEVATOR STRUCTURES AND INSTALL ELEVATOR SYSTEMS AT BOTH LANDINGS.
2. CONSTRUCT STAIRWAYS.
3. INSTALL EXPANSION JOINT AT SOUTH LANDING CANOPY.

REVISIONS					
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 Tallahassee, Florida 32301
 FLORIDA CERTIFICATE OF AUTHORIZATION NO. 5618
 W. DENNEY PATE, P.E. - P.E. NO. 34332

DRAWN BY: L.T.C.
 CHECKED BY: MF
 DESIGNED BY: MF
 CHECKED BY: WDP

FIU FLORIDA INTERNATIONAL UNIVERSITY
 ROAD NO. COUNTY PROJECT ID PROJECT NAME
 MIAMI-DADE 434688-1-58-01

CONSTRUCTION SEQUENCE (2 OF 2)
 UNIVERSITYCITY PROSPERITY PROJECT

SHEET NO. B-110