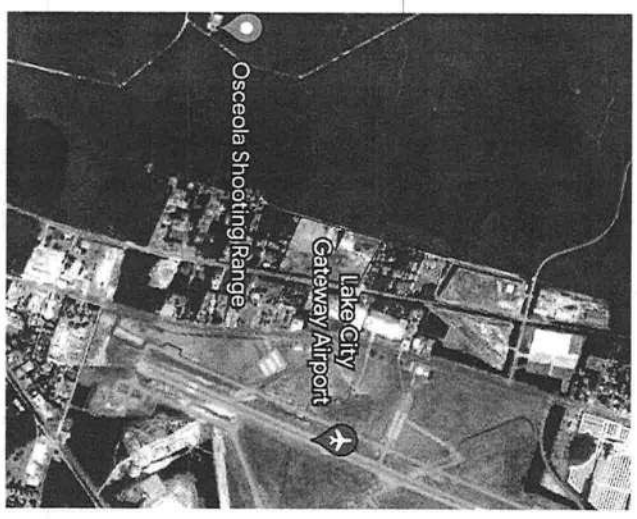


WOOD TREATING PLANT FOUNDATION COLUMBIA COUNTY, FL



SHEET INDEX			
SHEET NAME	SHEET #	CURRENT REV.	REVISION DESCRIPTION
COVER SHEET	S1	5	UPDATED INDEX
SIGNATURE SHEET	S2	5	UPDATED INDEX
OVERALL PLAN VIEW	S3		
TANK FARM PLAN AND ELEVATION	S4		
CYLINDER PIERS	S5	1	LENGTHENED BOLTS
SECTION VIEWS	S6	2	ADDED SECTION TO SHEET
DRIP PAD PLAN	S7	4	ADDED ENLARGED VIEW CALLOUT & MOVED SAWCUT
TRACK PAD DETAILS	S8	3	CHANGED RAIL CLIP AND ADDED DIMS
BRIDGE RAIL CONCRETE DETAILS	S9	1	CALLED OUT THICKNESS OF BOX
TRUCK UNLOADING PAD	S10	5	NOTED GRADE ELEVATION
PREFORMED SUMP BOX	S11		
STEM WALL DETAILS	S12	3	ADDED ELEVATIONS
STEM WALL ELEVATIONS	S13	4	ADDED CALLOUT
STEM WALL ELEVATIONS	S14	4	ADDED CALLOUT
DRIP PAD WINCH CONCRETE	S15	4	ADDED SHEET TO SET
TRACK PAD WINCH CONCRETE	S16	4	ADDED SHEET TO SET
WATERSTOP SPLICE DETAILS	S28		
CONCRETE DETAILS	S29		
CONCRETE NOTES	S30		

PROJECT
LOCATION



PLANS PREPARED FOR:
ROBBINS MANUFACTURING COMPANY
P.O. BOX 17939 TAMPA, FL 33682

arxada
1579 KOPPERS RD
CONLEY, GA 30288

08/2023
FINAL PLANS
FOR CONSTRUCTION

REVISIONS		JOB NUMBER		COVER SHEET
DATE	DESCRIPTION	NO.	BY	
09/29/23	2. UPDATED INDEX	1220531ROB	EDWARD	
10/07/23	4. UPDATED INDEX	ROBERT P. BISHOP	P.E. NO.:	
10/23/23	5. UPDATED INDEX	38546		

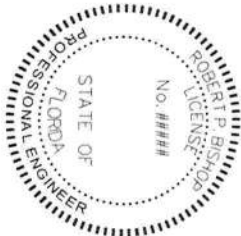


NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4875
LIC. NO. 188396

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

COVER SHEET

SHEET
NO.
S1



THIS SEAL HAS BEEN COPIED, SOLD AND REPRODUCED BY ROBERT P. BISHOP FOR THE DATE SHOWN TO THE SEAL.
THE DATE SHOWN ON THIS SEAL MAY NOT BE THE DATE OF THE SEAL.
THE DATE SHOWN ON THIS SEAL MAY NOT BE THE DATE OF THE SEAL.

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
WWW.NFPS.NET
CA# 29011

THE ABOVE WOOD TREATING PLANT FOUNDATION WAS DESIGNED BY ROBERT P. BISHOP FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61B5-21.004, F.A.C.

SHEET INDEX

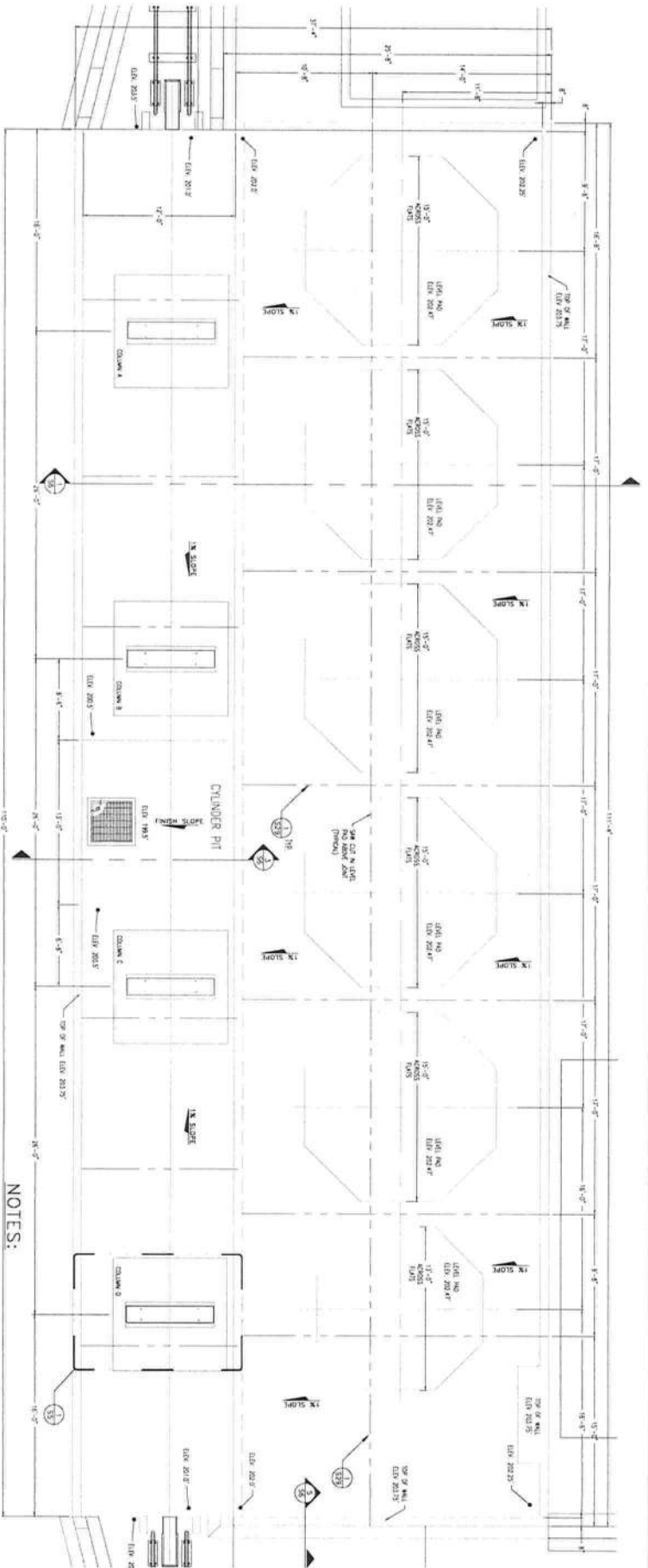
SHEET NAME	SHEET #	CURRENT REV.	REVISION DESCRIPTION
COVER SHEET	S1	5	UPDATED INDEX
SIGNATURE SHEET	S2	5	UPDATED INDEX
OVERALL PLAN VIEW	S3		
TANK FARM PLAN AND ELEVATION	S4		
CYLINDER PIERS	S5	1	LENGTHENED BOLTS
SECTION VIEWS	S6	2	ADDED SECTION TO SHEET
DRIP PAD PLAN	S7	4	ADDED ENLARGED VIEW CALLOUT & MOVED SAWCUT
TRACK PAD DETAILS	S8	3	CHANGED RAIL CLIP AND ADDED DIMS
BRIDGE RAIL CONCRETE DETAILS	S9	1	CALLED OUT THICKNESS OF BOX
TRUCK UNLOADING PAD	S10	5	NOTED GRADE ELEVATION
PREFORMED SUMP BOX	S11		
STEM WALL DETAILS	S12	3	ADDED ELEVATIONS
STEM WALL ELEVATIONS	S13	4	ADDED CALLOUT
STEM WALL ELEVATIONS	S14	4	ADDED CALLOUT
DRIP PAD WINCH CONCRETE	S15	4	ADDED SHEET TO SET
TRACK PAD WINCH CONCRETE	S16	4	ADDED SHEET TO SET
WATERSTOP SPLICE DETAILS	S28		
CONCRETE DETAILS	S29		
CONCRETE NOTES	S30		

REVISIONS

DATE	DESCRIPTION	REVISIONS	JOB NUMBER	WOOD TREATING PLANT FOUNDATION	SHEET NO.
09/28/23	2. UPDATED INDEX		L220531ROB	WOOD TREATING PLANT FOUNDATION	S2
10/10/23	4. UPDATED INDEX		ROBERT P. BISHOP	COLUMBIA COUNTY, FL	
10/23/23	5. UPDATED INDEX		38546		

aryada
1579 KOPPERS RD
CONLEY, GA 30288

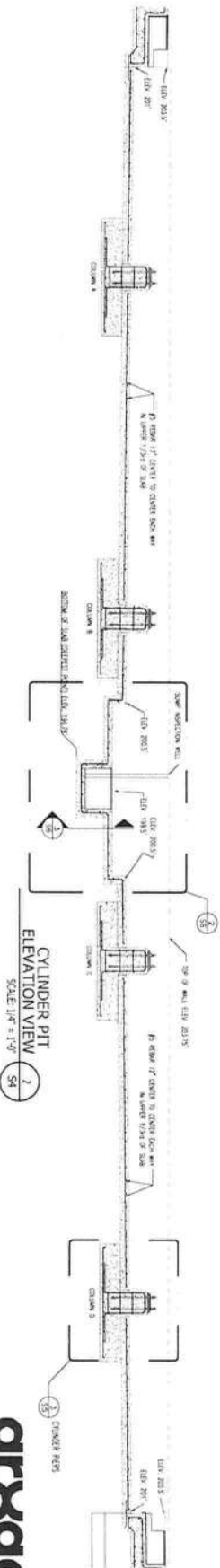
SIGNATURE SHEET
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL



TANK FARM
DETAILED PLAN VIEW
SCALE: 1/4" = 1'-0"

NOTES:

1. PROVIDE WATERPROOFING AT ALL JOINTS, CORNERS AND SPECIFICALLY NOTED.
2. PROVIDE CONCRETE JOINTS AT ALL WALLS TO EXPOSE THE REINFORCEMENT.
3. CONCRETE JOINTS SHALL BE PLACED AT 10' INTERVALS FOR ACCESSIBILITY.
4. TO PROVIDE 20% CONCRETE WALL CONCRETE 1800 PSI (1800 PSI) AND 4000 PSI (4000 PSI) FOR THE 10' DIA PIT.
5. TO PROVIDE 20% CONCRETE WALL CONCRETE 1800 PSI (1800 PSI) AND 4000 PSI (4000 PSI) FOR THE 10' DIA PIT.



CYLINDER PIT
ELEVATION VIEW
SCALE: 1/4" = 1'-0"

DATE	REVISIONS
	DESCRIPTION



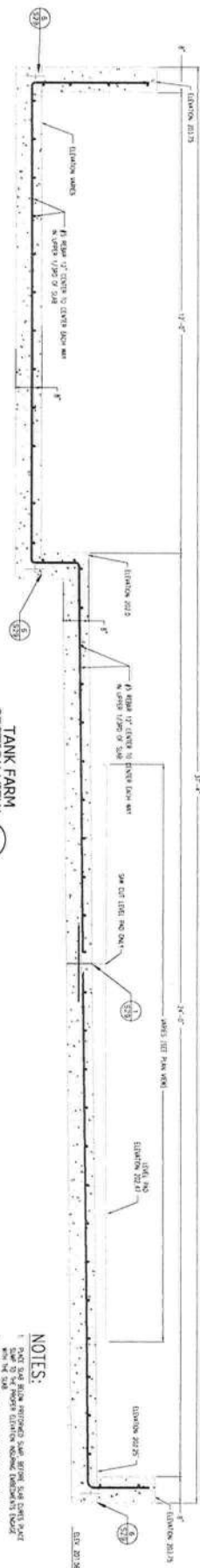
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32066
PH: 386-752-4675
LIC NO. LB8336

JOB NUMBER:
E2853180B
FOR ROBERT P. BISHOP
P.E. NO.:
31546

TANK FARM PLAN & ELEVATION
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

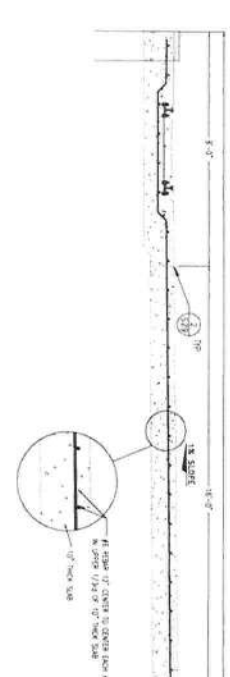
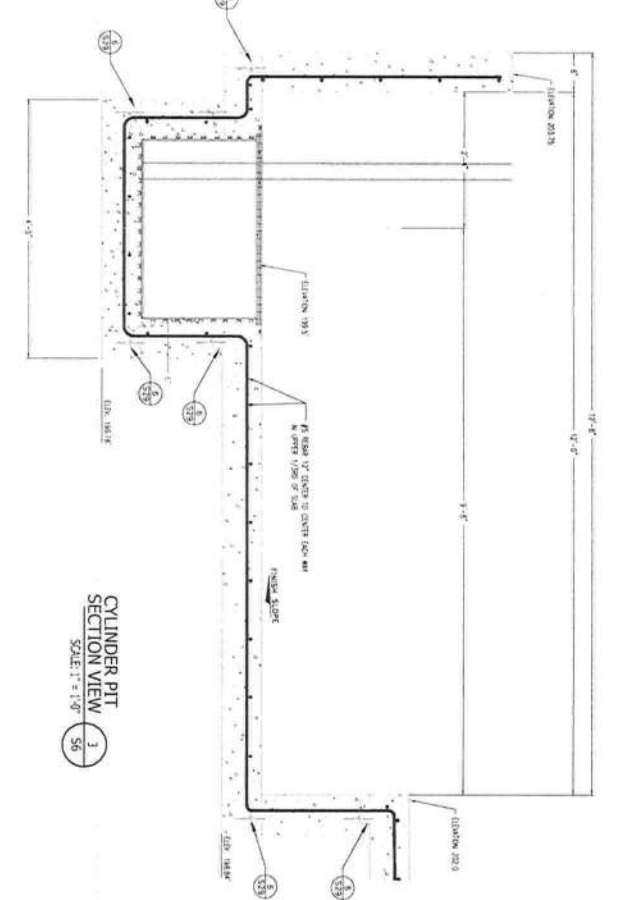
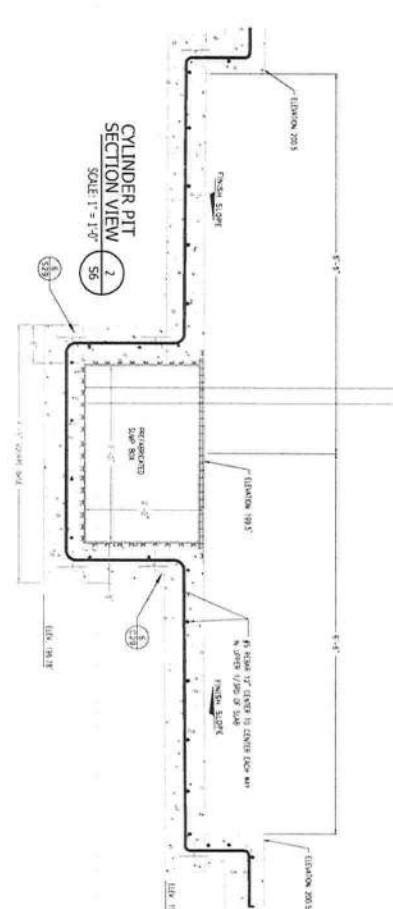
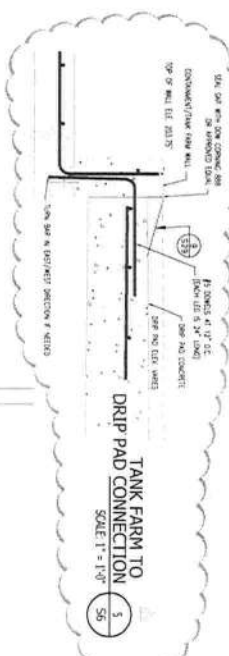
aryada
1579 KOPPERS RD
CONLEY, GA 30288

SHEET NO.
S4



TANK FARM TO
DRIP PAD CONNECTION
SECTION VIEW 1
SCALE 3/4" = 1'-0"

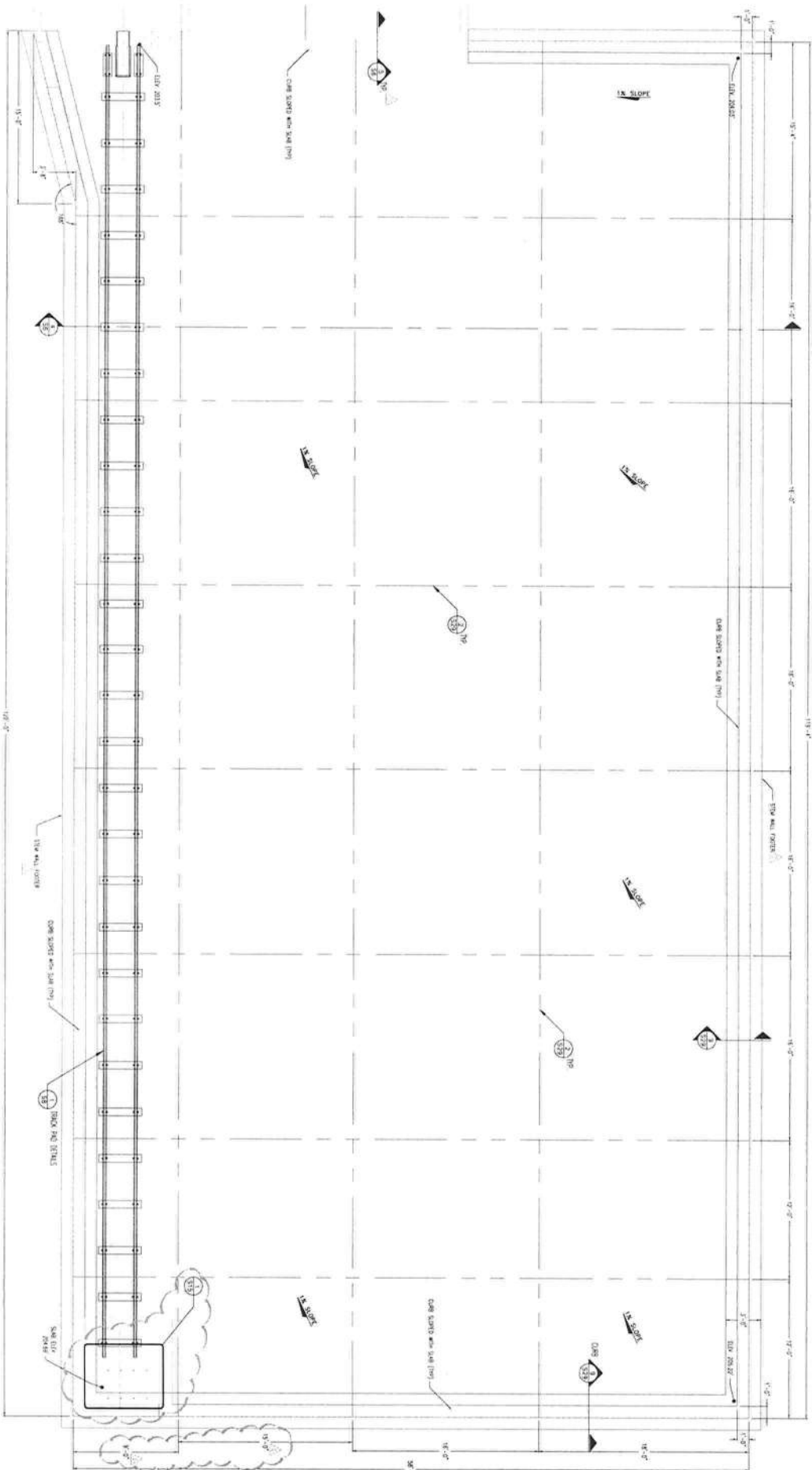
- NOTES:
1. SEE PLAN VIEW FOR TANK FARM TO DRIP PAD CONNECTION.
 2. SEE PLAN VIEW FOR TANK FARM TO DRIP PAD CONNECTION.
 3. SEE PLAN VIEW FOR TANK FARM TO DRIP PAD CONNECTION.
 4. SEE PLAN VIEW FOR TANK FARM TO DRIP PAD CONNECTION.



DRIP PAD
SECTION VIEW 4
SCALE 1/2" = 1'-0"

aryada
1579 KOPERS RD
CONLEY, GA 30288

REVISIONS		SHEET NO.	
DATE	DESCRIPTION	NO.	
08/28/21	2. ADDED SECTION VIEW TO SHEET	1	1
NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC. NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CAA# 29011		JOB NUMBER: 220031HOB FOR ROBERT P. BISHOP P.E. NO. 38546	
SECTION VIEWS WOOD TREATING PLANT FOUNDATION COLUMBIA COUNTY, FL		1579 KOPERS RD CONLEY, GA 30288	
		S6	



**Drip Pad
& Track Pad Plan**
SCALE: 1/4" = 1'-0"
1
5/7

REVISIONS

DATE	DESCRIPTION
09/02/23	2. ADDED STEW WALL
10/10/23	4. ADDED ENLARGED VIEW CALLOUT MOVED SAW CUT 12"



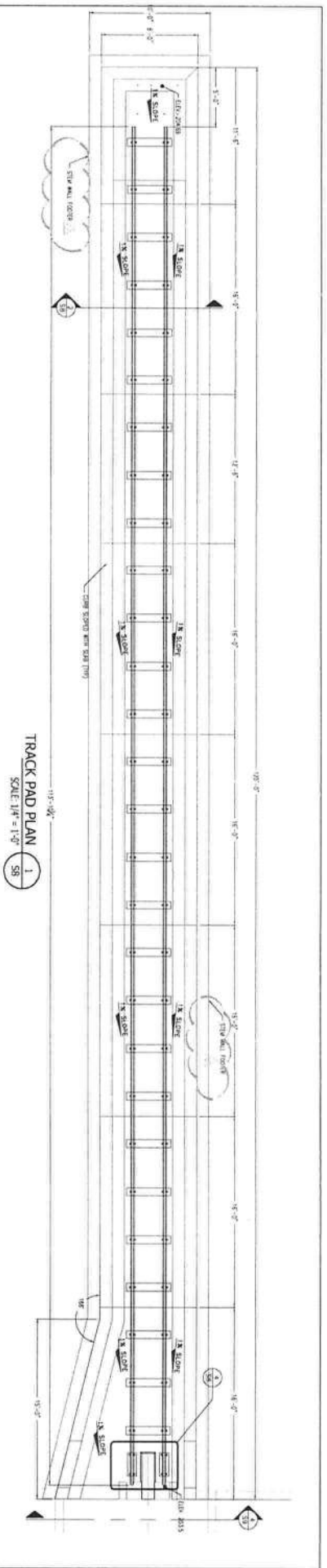
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3923
LAKE CITY, FL 32056
PH: 386-752-4675
LIC NO. LB8356

JOB NUMBER:
L22053180B
EDR:
ROBERT P. BISHOP
P.L.C. 12/10/20
38546

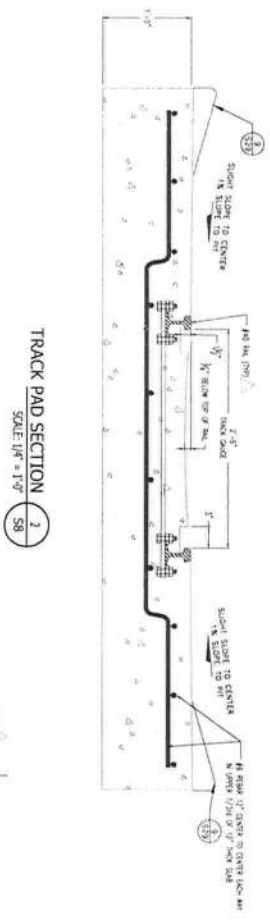
DRIP PAD PLAN
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

aryxada
1579 KOPPERS RD
CONLEY, GA 30288

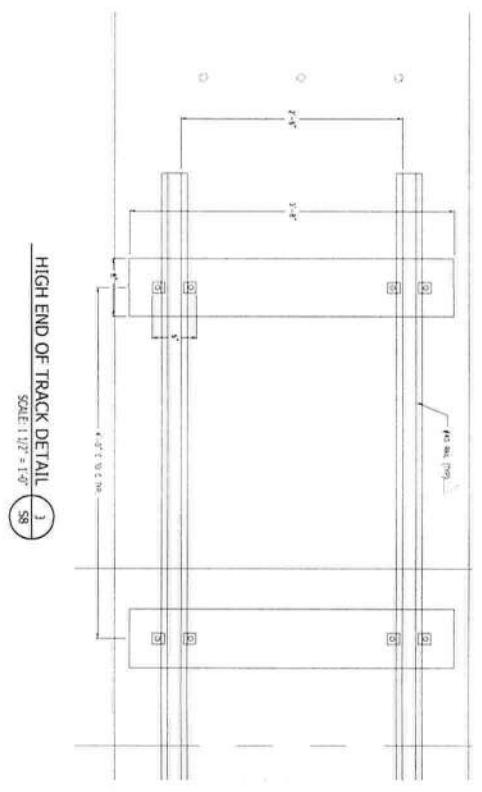
SHEET NO.
S7



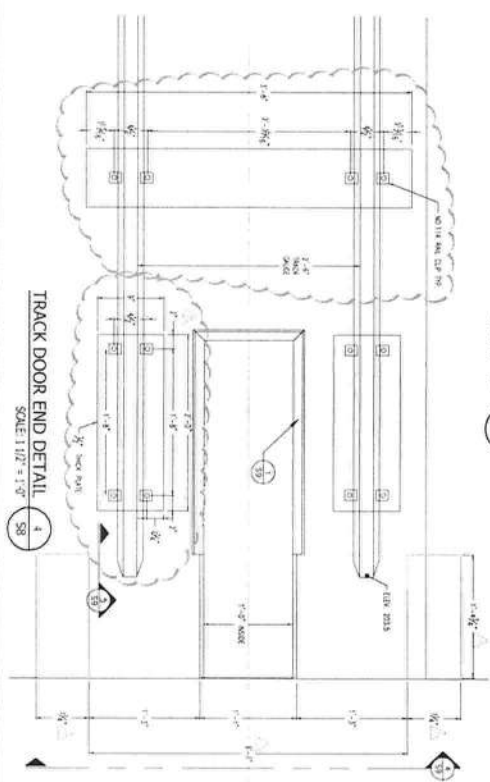
TRACK PAD PLAN 1
SCALE 1/4" = 1'-0"



TRACK PAD SECTION 2
SCALE 1/4" = 1'-0"



HIGH END OF TRACK DETAIL 3
SCALE 1/2" = 1'-0"



TRACK DOOR END DETAIL 4
SCALE 1/2" = 1'-0"

REVISIONS

DATE	DESCRIPTION
09/22/23	1. MODIFIED DIMS TO MATCH VIEW ASS AND CALLED OUT RAIL SIZE
10/04/23	3. CHANGED RAIL CLIP AND ADDED DIMENSIONS



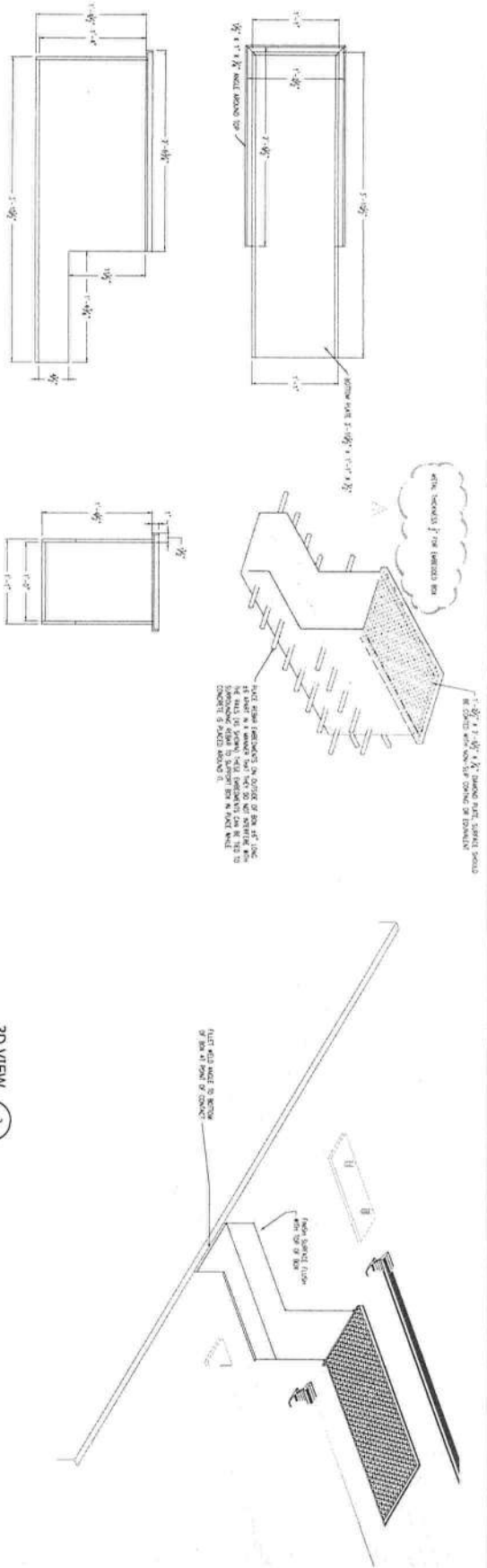
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH: 386-742-4675
LIC NO. LB83356

JOB NUMBER:
L220531R08
EOR:
ROBERT P. BISHOP
P.E. NO.
38546

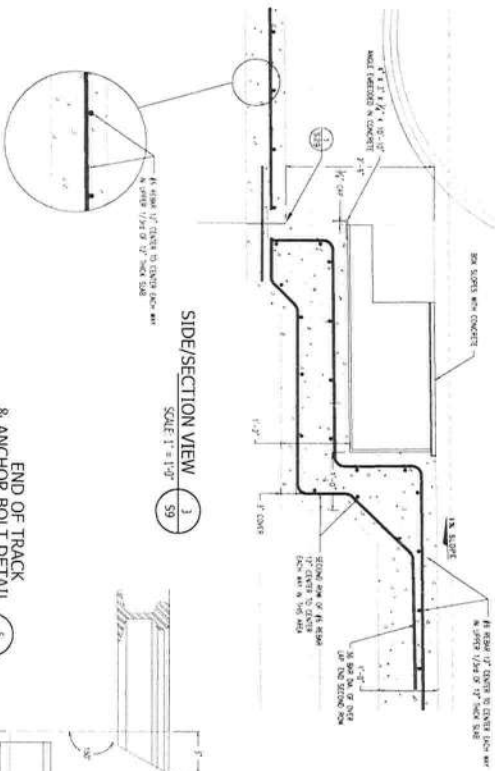
TRACK PAD DETAILS
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

aryxada
1579 KOPPEL'S RD
CONLEY, GA 30288

SHEET NO. **S8**

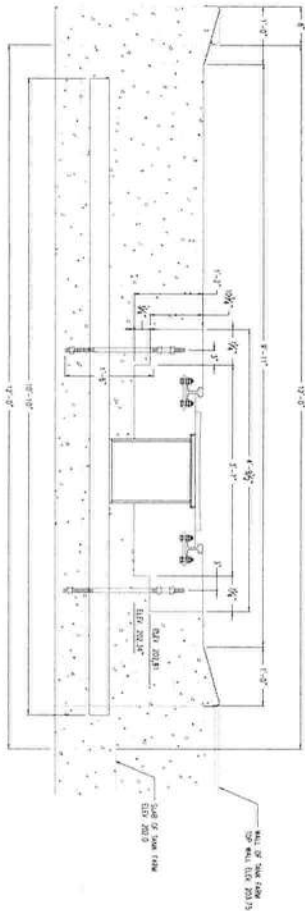
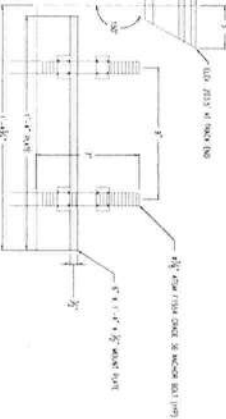


4 VIEWS EMBEDDED BOX
FOR HYD BRIDGE RAIL
SCALE 1/16" = 1'-0"



SIDE/SECTION VIEW
3
SCALE 1/16" = 1'-0"

END OF TRACK
& ANCHOR BOLT DETAIL
SCALE 1/16" = 1'-0"



SIDE/SECTION VIEW
4
SCALE 1/16" = 1'-0"

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1579 KOPPERS RD
CONLEY, GA 30288

BRIDGE-RAIL CONCRETE DETAILS
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

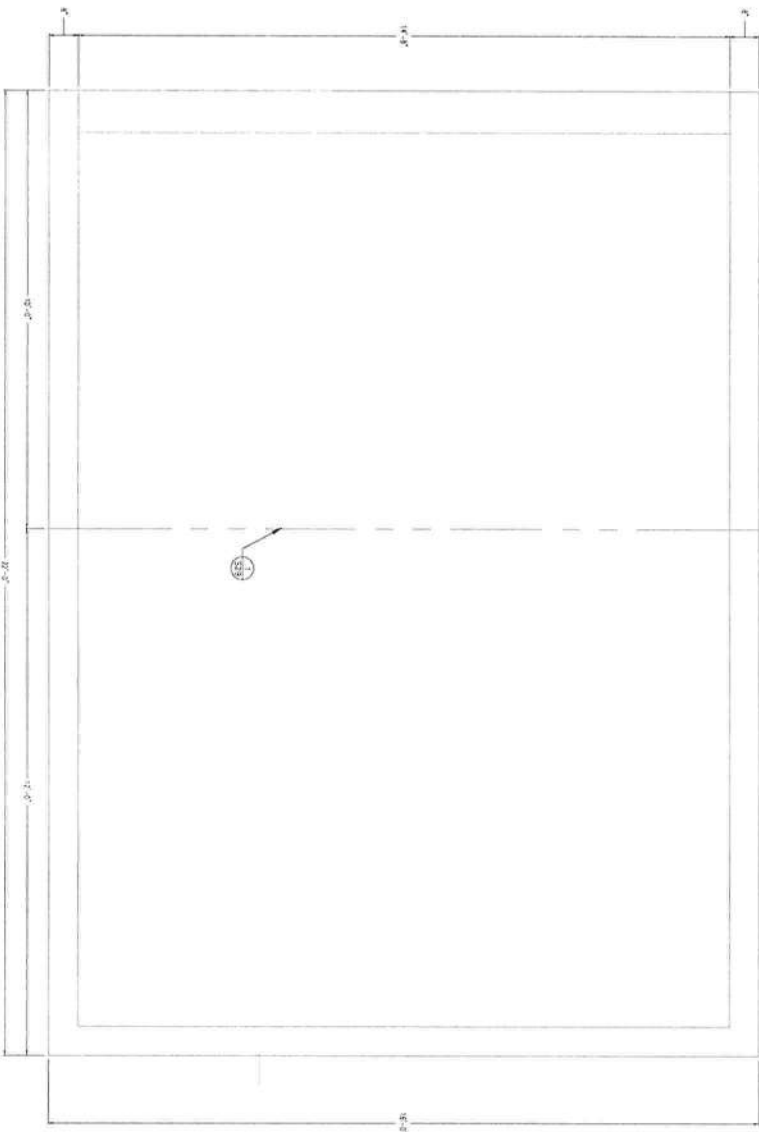
JOB NUMBER:
L22053180B
EOR:
ROBERT P. BISHOP
P.E. NO.
36848

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386/752-6675
WWW.NFPS.NET
CA# 29011

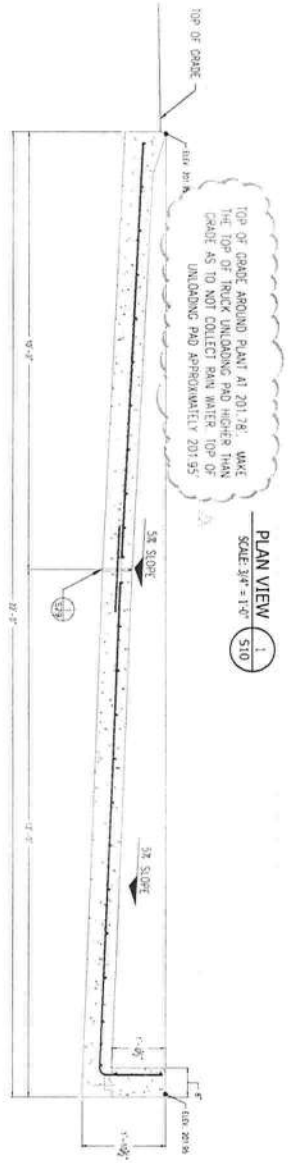
DATE:
09/24/23
ADDED METAL THICKNESS CALLOUT FOR EMBEDDED BOX

SHEET
NO.

S9



PLAN VIEW 1
SCALE: 3/4" = 1'-0" S10



SECTION VIEW 2
SCALE: 3/4" = 1'-0" S10

REVISIONS

DATE	DESCRIPTION
10/23/23	5. NOTED GRADE ELEVATION



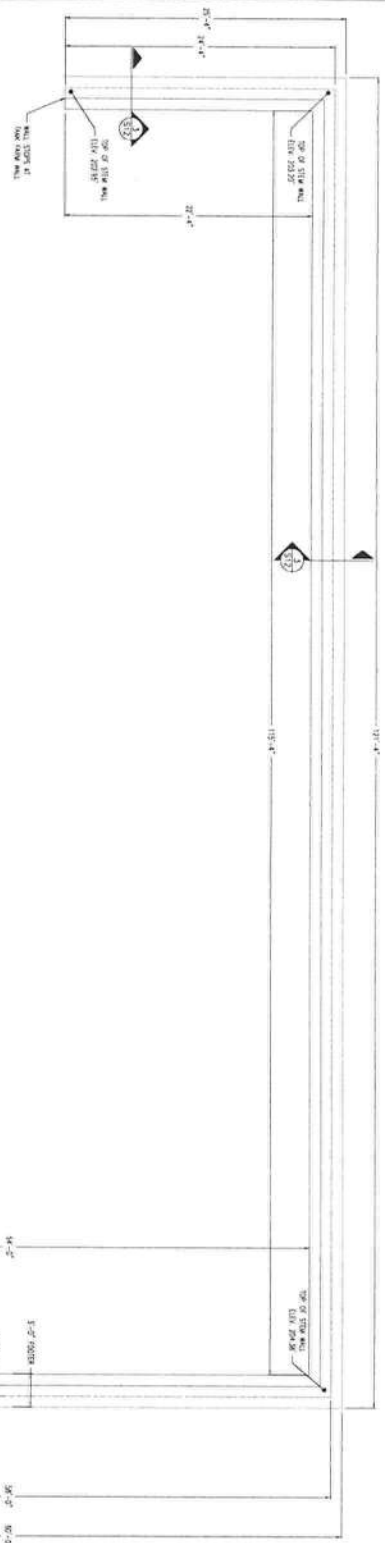
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH: 386/552-6675
LIC NO. LB8356

JOB NUMBER:
L22053180B
EOR: ROBERT P. BISHOP
P.L.E. 38546

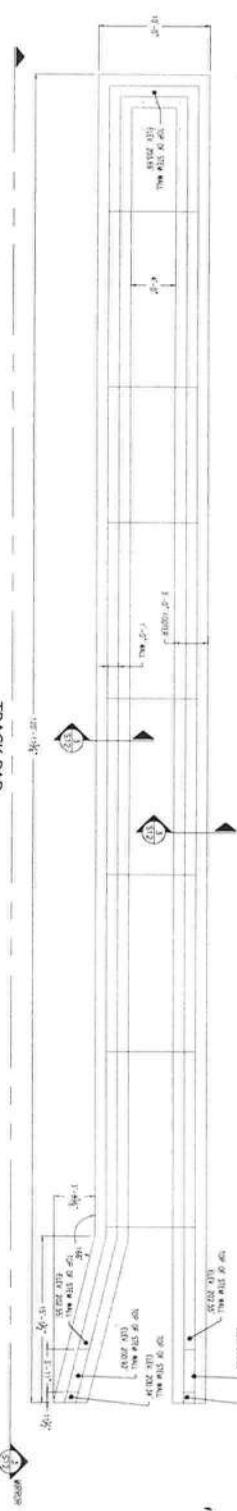
TRUCK UNLOADING PAD
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

aryxada
1579 KOPPERS RD
CONLEY, GA 30288

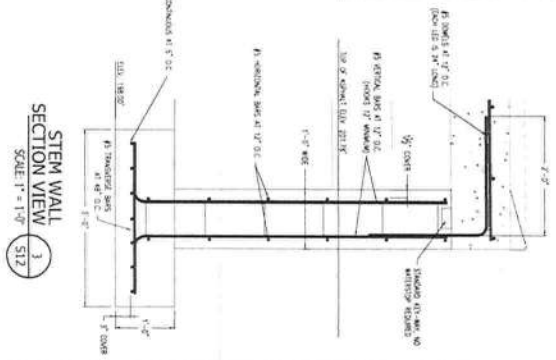
SHEET NO.
S10



**DRIP PAD STEM WALL
& FOOTER PLAN VIEW**
SCALE 3/8" = 1'-0"



**TRACK PAD
PLAN VIEW**
SCALE 3/8" = 1'-0"



**STEM WALL
SECTION VIEW**
SCALE 1" = 1'-0"

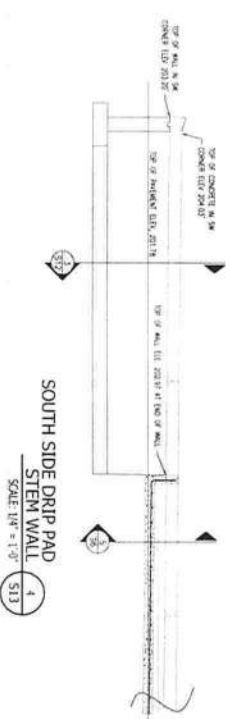
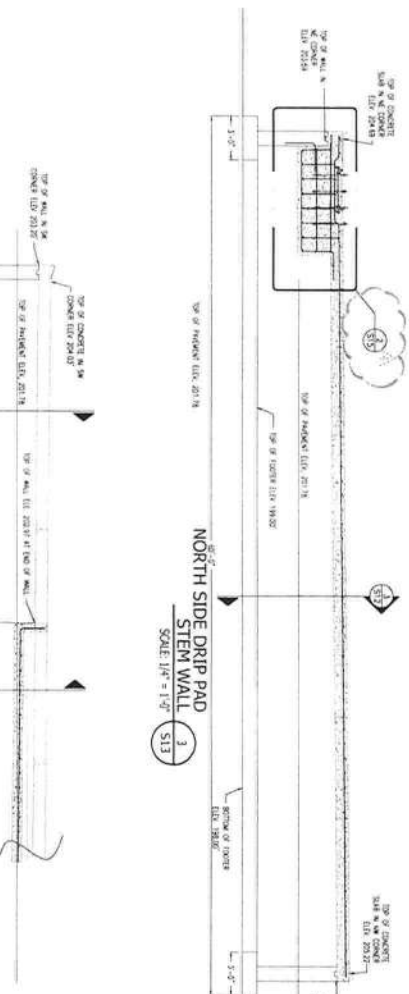
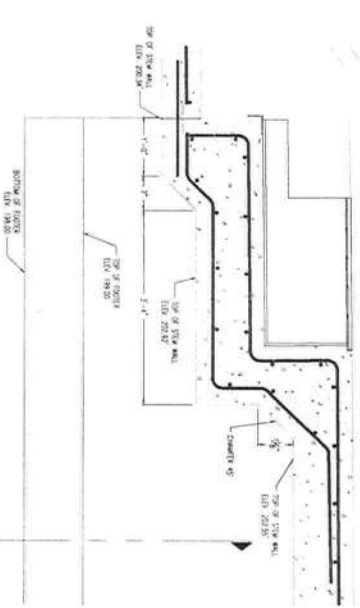
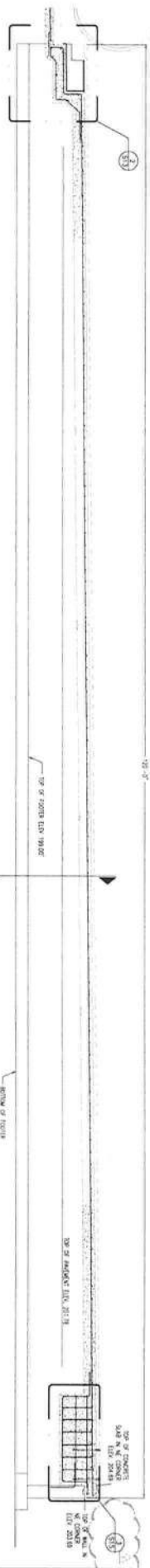
REVISIONS		JOB NUMBER		SHEET NO.	
DATE	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
09/29/23	2. ADDED SHEET S12 (THIS SHEET) TO SET	L220531ROB	WOOD TREATING PLANT FOUNDATION	S12	
10/03/23	3. ADDED ELEVATIONS	ROBERT P. BISHOP	COLUMBIA COUNTY, FL		



NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH: 386-452-4875
LIC NO. LB8336

WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

arxada
1579 KOPERS RD
CONLEY, GA 30288



REVISIONS

DATE	DESCRIPTION
08/29/23	2. ADDED SHEET TO SET
10/10/23	4. ADDED CALCULATIONS



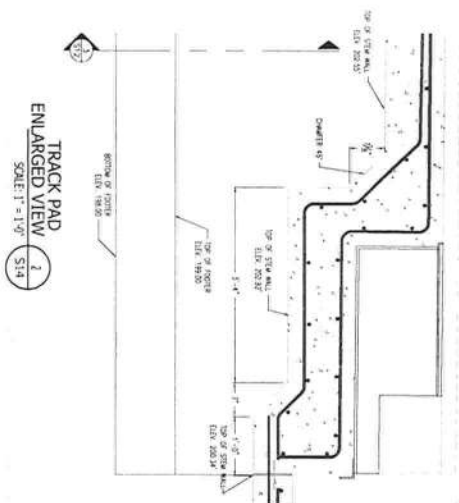
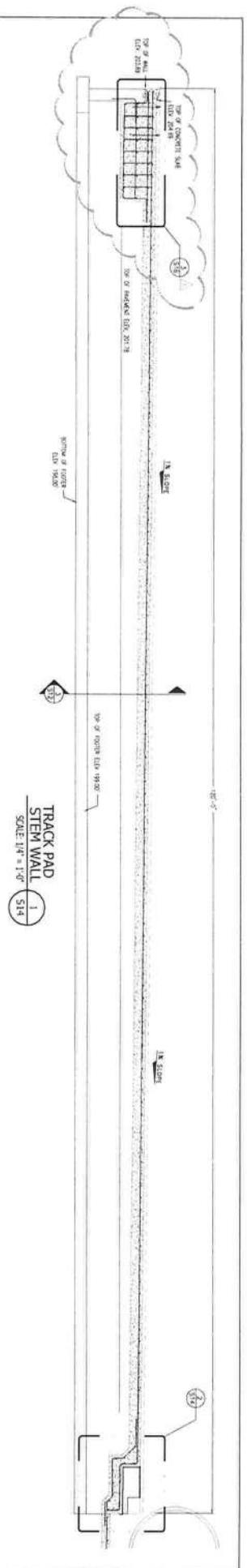
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH: 386-752-4675
LIC NO. LB8356

JOB NUMBER:
L228531HOB
FOR:
ROBERT P. BISHOP
P.E.
38546

STEM WALL ELEVATIONS
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

arxada
1579 KOPPERS RD
CONLEY, GA 30288

S13



aryxada
1579 KOPPERS RD
CONLEY, GA 30288

STEM WALL ELEVATIONS
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

DATE	REVISIONS	JOB NUMBER
09/29/23	2. ADDED SHEET TO SET	L220531R0B
10/10/23	4. ADDED CALCULATIONS	ROBERT P. BISHOP P.L.C. NO. 38546

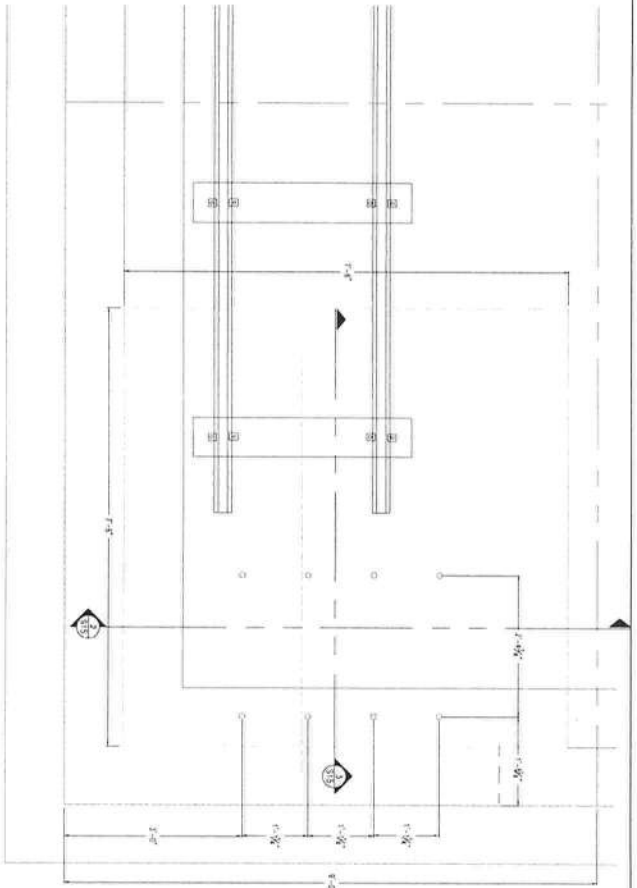


NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-732-4675
LIC NO. LB8356

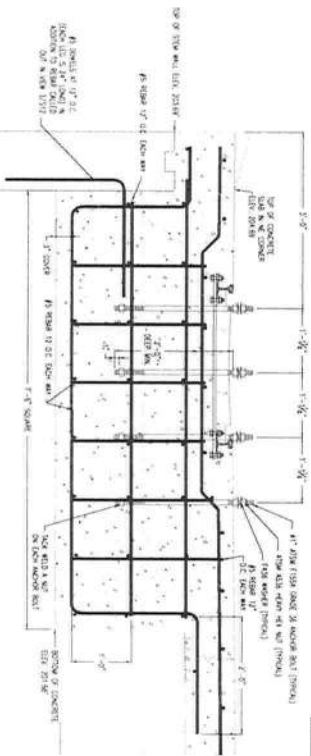
2655 BLAKESTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CAF 29011

SHEET NO.

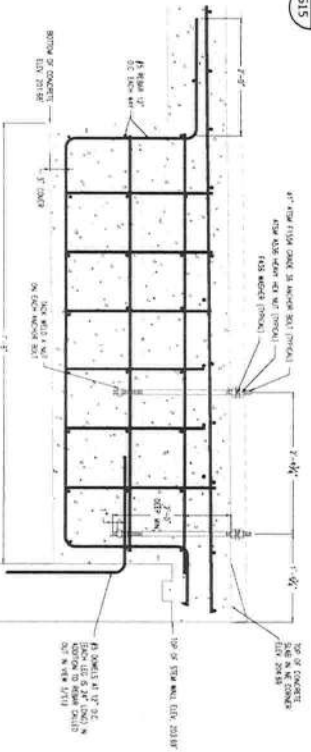
S14



DRIP PAD
ENLARGED PLAN VIEW
SCALE: 1" = 1'-0"
1
S15



DRIP PAD
SECTION
SCALE: 1" = 1'-0"
2
S15



DRIP PAD
SECTION
SCALE: 1" = 1'-0"
3
S15



DRIP PAD
SECTION
SCALE: 1" = 1'-0"
4
S15

REVISIONS

DATE	DESCRIPTION
10/10/23	4. ADDED SHEET TO SET



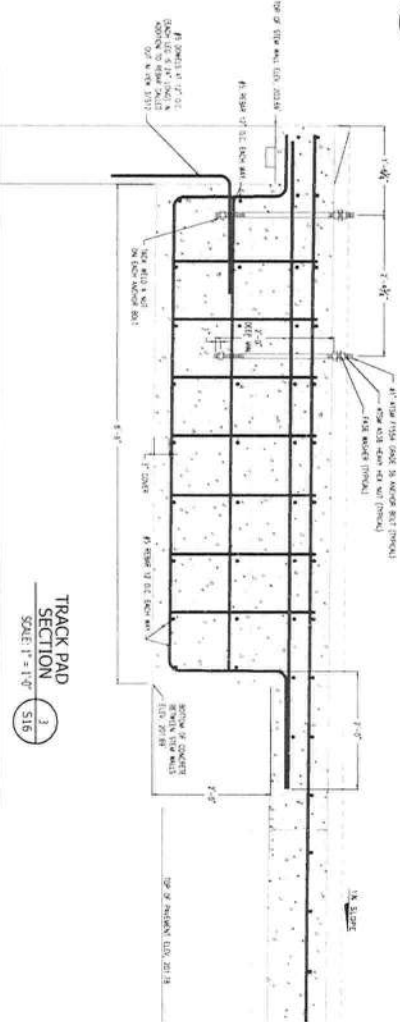
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-452-4675
LIC. NO. 188356
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CAP 29011

JOB NUMBER:
L220531R0B
EOR:
ROBERT P. BISHOP
P.L.E. NO.
38546

DRIP PAD WINCH CONCRETE
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

aryxada
1579 KOPPEKS RD
CONLEY, GA 30288

SHEET
NO.
S15

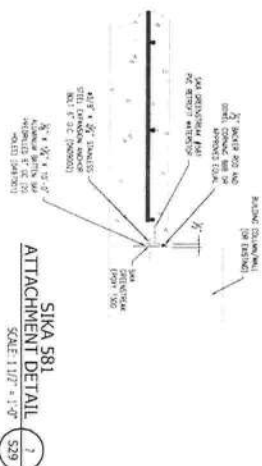
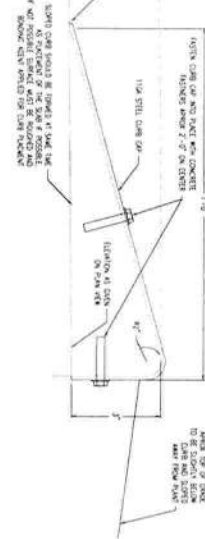
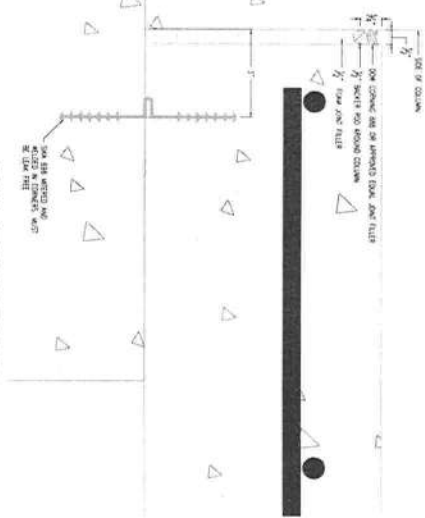
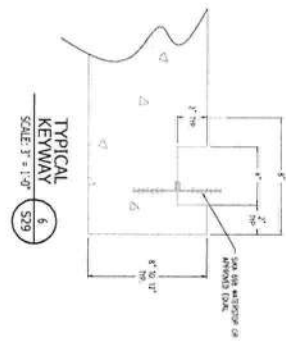
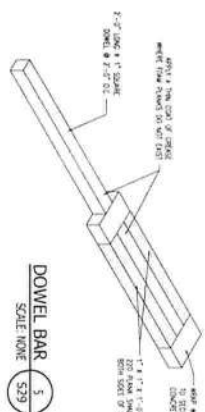
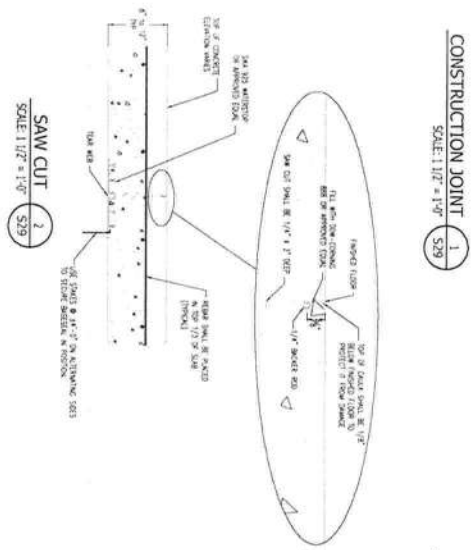
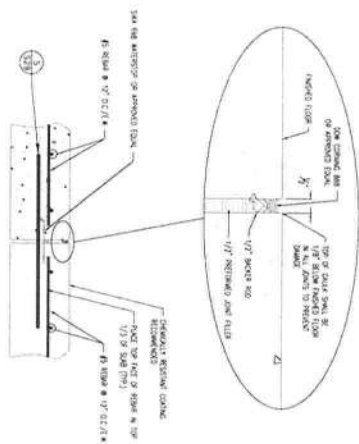


REVISIONS	
DATE	DESCRIPTION

JOB NUMBER:
L220531ROB
EOR:
ROBERT P. BISHOP
P.E. NO.:
38546

TRACK PAD WINTCH CONCRETE
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

dryxoda
1579 KOPPERS RD
CONLEY, GA 30288



REVISIONS	
DATE	DESCRIPTION

 NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-6675
WWW.NFPS.NET
LIC NO. LB8356
CAM 29011

JOB NUMBER:
L220531ROB
EOR:
ROBERT P. BISHOP
P.E. NO.:
38546

CONCRETE DETAILS
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

aryada
1579 KOPPERS RD
CONLEY, GA 30288

SHEET
NO.

S29

- DESIGN:**
1. ALL STRESSES IN CONCRETE AND REINFORCING DESIGN PROCEDURES AS APPLICABLE SHALL CONFORM TO A.C.I. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (A.C.I.318).
 2. THIS DESIGN IS INTENDED TO MEET OR EXCEED THE DRIP PAD REQUIREMENTS FOUND IN SUBPART W, WOOD PRESERVING, IDENTIFICATION AND LISTING OF HAZARDOUS WASTE, FINAL RULE 55, FEDERAL REGISTER 50450, DECEMBER 6, 1990/1992.

CONCRETE:

1. ALL EXPOSED EDGES SHALL BE CHAMFERED $3/4"$.
2. REINFORCING BARS SHALL BE NEW BILLET STEEL IN ACCORDANCE WITH ASTM A615 GRADE 60.
3. ALL #4, #5 & #6 REBAR TO BE ON 1'-0" CENTERS UNLESS OTHERWISE NOTED.
4. DOWN BARS SHALL BE 1' X 2'-0" LONG.
5. DOWN PLACEMENT SHALL NOT BE ANY CLOSER THAN 12" FROM ANY CORNER CONDITION.
6. CONCRETE COVER ON REINFORCING SHALL BE AS FOLLOWS, EXCEPT WHERE NOTED ON DETAIL DRAWINGS: GROUND 3" MIN. ALL OTHERS:
 - A. 1 1/2" FOR #5 REBAR OR SMALLER
 - B. 2" FOR #6 REBAR OR LARGER
7. WHERE FIELD SPACING IS REQUIRED, BARS TO LAP 36 DIAMETERS UNLESS OTHERWISE NOTED.
8. ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL BELOW FROSTLINE.
9. ALL POLYMER/RESIN WATERSTOP SPACING SHALL BE MADE USING A CONTROLLED ELECTRICAL SOURCE OF HEAT, NO LAP SPACING.
10. STRUCTURAL ENGINEER AND CONTRACTOR TO INSPECT AND VERIFY REBAR PLACEMENT PRIOR TO CONCRETE PLACEMENT.
11. THE OWNER MAY CHOOSE FROM THE FOLLOWING CONCRETE FINISHES:
 - A. ALUMINUM FLOAT FINISH (MEDIUM WITH LIGHT BROWN FINISH)
 - B. ALUMINUM FLOAT FINISH (MEDIUM)
 - C. ALUMINUM FLOAT FINISH (SLICK OR POWER FROG)
12. SLOPE CONCRETE IN THE DIRECTION OF SLOPE ARROWS AS SHOWN ON FOUNDATION PLAN.
13. ALLOWABLE SOIL BEARING CAPACITY SHALL BE 2000 P.S.F. MIN. COMPACTION SHALL BE 95% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH THE STANDARD PROCTOR ASTM 998. SOIL BEARING AND COMPACTON TO BE DETERMINED BY ON-SITE TESTING PRIOR TO CONSTRUCTION.
14. CONCRETE TO BE VIBRATED TO REMOVE AIR POCKETS BEFORE FINISH.
15. ALL CONCRETE SURFACES MUST RECEIVE A NET CURE APPROVED PROCEDURE, NOT LISTED BELOW.
 - A. FABRIC COVERINGS SUCH AS BURLAP, COTTON WADS, OR OTHER WADSTUFF BEHINDING FABRICS CAN BE USED. BURLAP MUST BE FREE OF SOIL OR ANY SUBSTANCE THAT IS HARMFUL TO CONCRETE OR CAUSES DISCOLORATION. NEW BURLAP SHALL BE HYDROPHOBIC FINISH IN WATER TO REMOVE SOLUBLE SUBSTANCES AND WARE THE BURLAP MORE ABSORBENT. THE FABRICS SHOULD BE PLACED AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT SURFACE DAMAGE. THE COVERINGS SHOULD BE KEPT CONTINUOUSLY MOIST SO THAT A FILM OF WATER REMAINS ON THE CONCRETE SURFACE. PLASTIC SHEETS PLACED OVER THE BURLAP WILL ELIMINATE THE NEED FOR CONTINUOUS WATERING OF THE COVERING.
 - B. NET COVERINGS OF EARTH, SAND, OR SANDUST ARE EFFECTIVE FOR CURING AND ARE OFTEN USED ON SMALL JOBS. A LATER APPROXIMATELY 2" THICK SHOULD BE EVENLY DISTRIBUTED OVER THE PREVIOUSLY MOISTENED SURFACE OF THE CONCRETE AND KEPT WET. A DISADVANTAGE OF THIS PROCESS IS THE POSSIBILITY OF DISCOLORING THE CONCRETE.
 - C. NET MAY OR STRAW CAN BE USED TO CURE FLAT SURFACES. IF USED IT SHALL BE PLACED 6" THICK AND COVERED WITH BURLAP OR PLASTIC TO PREVENT IT FROM BEING BLOWN OFF BY WIND. THIS PROCESS ALSO HAS THE ABILITY TO DISCOLOR THE CONCRETE.
16. SUBGRADE SHALL BE SMOOTH TO ALLOW FOR LATERAL MOVEMENT OF SLAB AND COMPONENTS. (REFER TO ACI 302.1 R7 2 & 1994)
17. JOINTS SHALL NOT BE FILLED WITH SEALER UNTIL CONCRETE WORK IS OTHERWISE COMPLETE AND/OR COATING APPLIED.

READY MIXED CONCRETE:

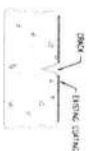
1. CEMENT SHALL BE TYPE 1 OR 1A IN ACCORDANCE WITH ASTM SPECIFICATION C150 FOR PORTLAND CEMENT.
2. CONCRETE SHALL BE AIR ENHANCED (4-6%) AND SHALL DEVELOP 4000 P.S.I. @ 28 DAYS. (THIS REQUIRES AN AVERAGE COMPRESSION STRENGTH OF 5,000 P.S.I.) (REFER TO ACI 318 5.3.2.2 1994) AIR ENHANCEMENT PERCENTAGE SHALL BE MODIFIED TO ACCOMMODATE FINISH.
3. WATER CEMENT RATIO 45. UNPASTICIZED SLUMP NOT TO EXCEED 2" AT POINT OF PLACEMENT. (IF THE SLUMP IS NOT TESTED ON SITE, DOCUMENTATION OF THIS TEST SHALL BE PROVIDED TO THE OWNER'S ENGINEER.)
4. A HIGH RATIO WATER REDUCER (WATER) (SUPER PLASTICIZER) MAY BE ADDED TO ACHIEVE WORKABILITY. MAXIMUM ALLOWABLE CHEMICALLY INDUCED SLUMP SHALL BE SPECIFIED BY THE OWNER'S ENGINEER OR BY THE ARCHITECT'S ENGINEERING DEPARTMENT.
5. CONCRETE SHALL BE PLACED IN TEMPERATURES OF 40°F OR GREATER. THIS TEMPERATURE SHALL BE MAINTAINED FOR A CONTINUOUS 48 HOURS.
6. ENHANCED REINFORCING FIBERS SHALL BE USED IN ALL CONCRETE AS SPECIFIED AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AS TO TYPE AND AMOUNT. THE RECOMMENDED AMOUNT SHALL BE 1 1/2 LBS PER CUBIC YARD. ONLY FIBERGLASS FIBERS DESIGNED AND MANUFACTURED SPECIFICALLY FOR USE IN CONCRETE FROM 100% VIRGIN POLYPROPYLENE AND SO CERTIFIED BY THE MANUFACTURER SHALL BE ACCEPTABLE.
7. MAXIMUM FIBER LENGTH 3/4".
8. CONCRETE MIX DESIGN TO BE SUBMITTED FOR APPROVAL BY ENGINEERS OF RECORD.
9. COMPRESSIVE STRENGTH TESTING IN ACCORDANCE WITH ASTM C31 AND C39 SHALL BE DONE FOR EVERY 100 CUBIC YARDS OF CONCRETE.

COATING SYSTEM FOR SLABS AND CURBS:

1. COATING SHALL BE CHEMICALLY RESISTANT WITH A PERMEABILITY OF LESS THAN 1X10⁻¹⁰ CM PER SECOND.
2. CONCRETE SURFACE SHALL BE FREE OF ANY FOREIGN CONSTITUENTS THAT WILL NOT ALLOW FOR PROPER BONDING TO TAKE PLACE BETWEEN COATING AND CONCRETE SURFACE.
3. COATING SYSTEM SHALL BE DETERMINED BY THE CUSTOMER AND SUBMITTED TO THE ENGINEER FOR APPROVAL.

CRACK REPAIR:

1. CRACK CONCRETE @ A 45° ANGLE TO OPEN UP CRACKS. (DETAIL A)
2. GRIND COATING BACK FROM AREA TO BE REPAIRED APPROXIMATELY 1/2" TO 1" (DETAIL B)
3. WIRE BRUSH AREA, REMOVE DUST, SOIL AND DEBRIS.
4. W/ APPROVED CONCRETE REPAIR MATERIAL.
5. TRIMMED REPAIR MATERIAL INTO THE JOINT UNTIL IT IS FLUSH WITH THE ADJACENT SLAB. ALLOW REPAIR MATERIAL TO CURE FOR 7 DAYS.
6. COVER REPAIRED AREA (DETAIL C)
7. SAW CUTTING MAY BE THE ONLY ALTERNATIVE IN THOSE AREAS THAT HAVE EXPERIENCED EXTENSIVE CRACKING AND/OR JOINTS THAT HAVE BAD EDGES. SAWCUT 3" ON BOTH SIDES OF THE EXISTING CRACK. THE DEPTH OF THE CUT SHALL BE 2" TO 3" INSTALL GROUT SANDWICH ABOUT 1/2" WIDE BY 1" DEEP TO PREVENT CRACKING OF NEW MATERIAL. APPLY COATING AND INSTALL 3/8" BUCKER ROD AND CHAIR. (DETAIL D)
8. FOR CRACKS THAT HAVE BEEN REPAIRED AND HAVE CRACKED AGAIN, USE STEP (7) UNDER CRACK REPAIR.
9. DOCUMENT REPAIRS AND MAINTAIN RECORDS.



DETAIL A
SCALE NONE S30



DETAIL B
SCALE NONE S30



DETAIL C
SCALE NONE S30



DETAIL D
SCALE NONE S30



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REVISIONS

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CONCRETE NOTES
WOOD TREATING PLANT FOUNDATION
COLUMBIA COUNTY, FL

SHEET NO.
S30