



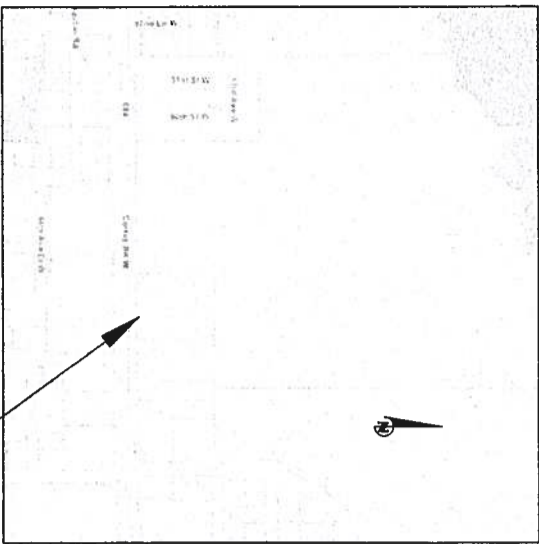
MANATEE COUNTY, FLORIDA LIFT STATION UPGRADE MASTER LIFT STATION 1M RTU 203

JANUARY 2014

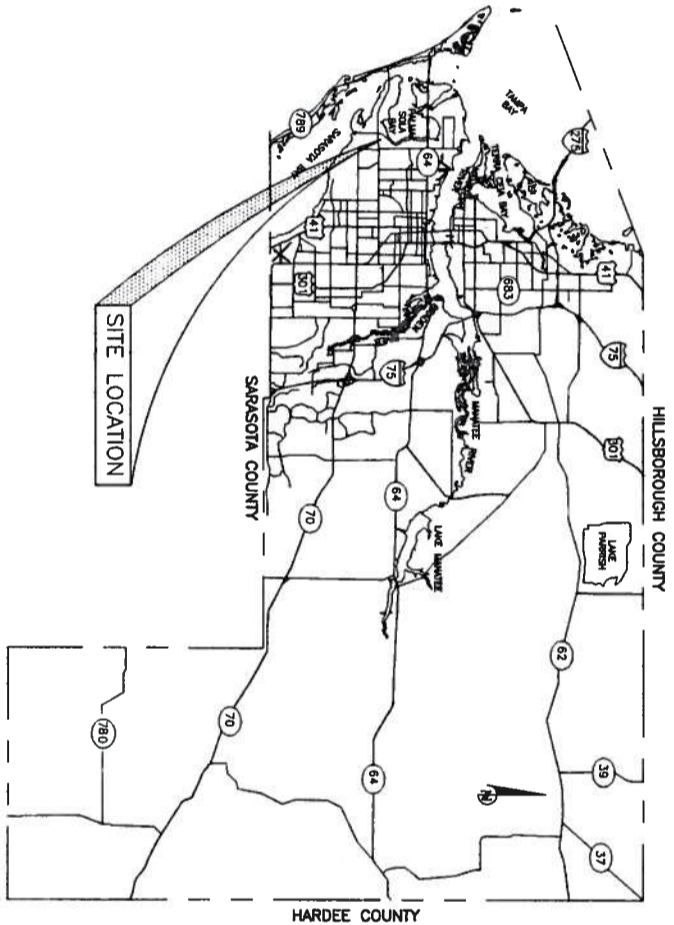
CONFINED
SPACE ENTRY
PERMIT
REQUIRED

100% PLANS

- NO. INDEX OF SHEETS**
1. COVER SHEET
 2. PLAN VIEWS
 3. SECTION VIEWS
 4. WET WELL FRAMING DETAILS
 5. STAIRS DETAILS
 - 6.



VICINITY MAP
N.T.S.



SITE LOCATION

PROJECT DESCRIPTION
REPLACE EXISTING COMMUNITOR, BAR SCREEN, FIBERGLASS DECKING AND STOP GATES, CONTROL PANEL AND ACCESS HATCH, REPAIR, REHAB EXISTING WETWELL WITH SPRAY LINER, INSTALL EXPLOSION PROOF LIGHTS.

MASTER LIFT STATION 1M	VALUE
ITEM	203
RTU	8720 44th AVE. W.
STREET ADDRESS	BRADENTON
CITY	12/35S/16E
SEC./TWN./RGE	3393 GPM @ 183' TDH
DESIGN FLOW	30" X 31"
COMMUNUTOR ACCESS HATCH	4' DEEP X 3' WIDE
INFLUENT CHANNEL DIMENSIONS *	

* CONTRACTOR SHOULD FIELD VERIFY ALL DIMENSIONS

LIFT STATION UPGRADE MASTER LIFT STATION 1M COVER SHEET



NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	402-0019706
SURVEY #	0-0
SEC./TWN./RGE	12/35S/16E
SCALE	N.T.S.
SURFERED	00/00/00
DESIGNED	09/11/13
DRAWN	09/11/13
CHECKED	00/00/00

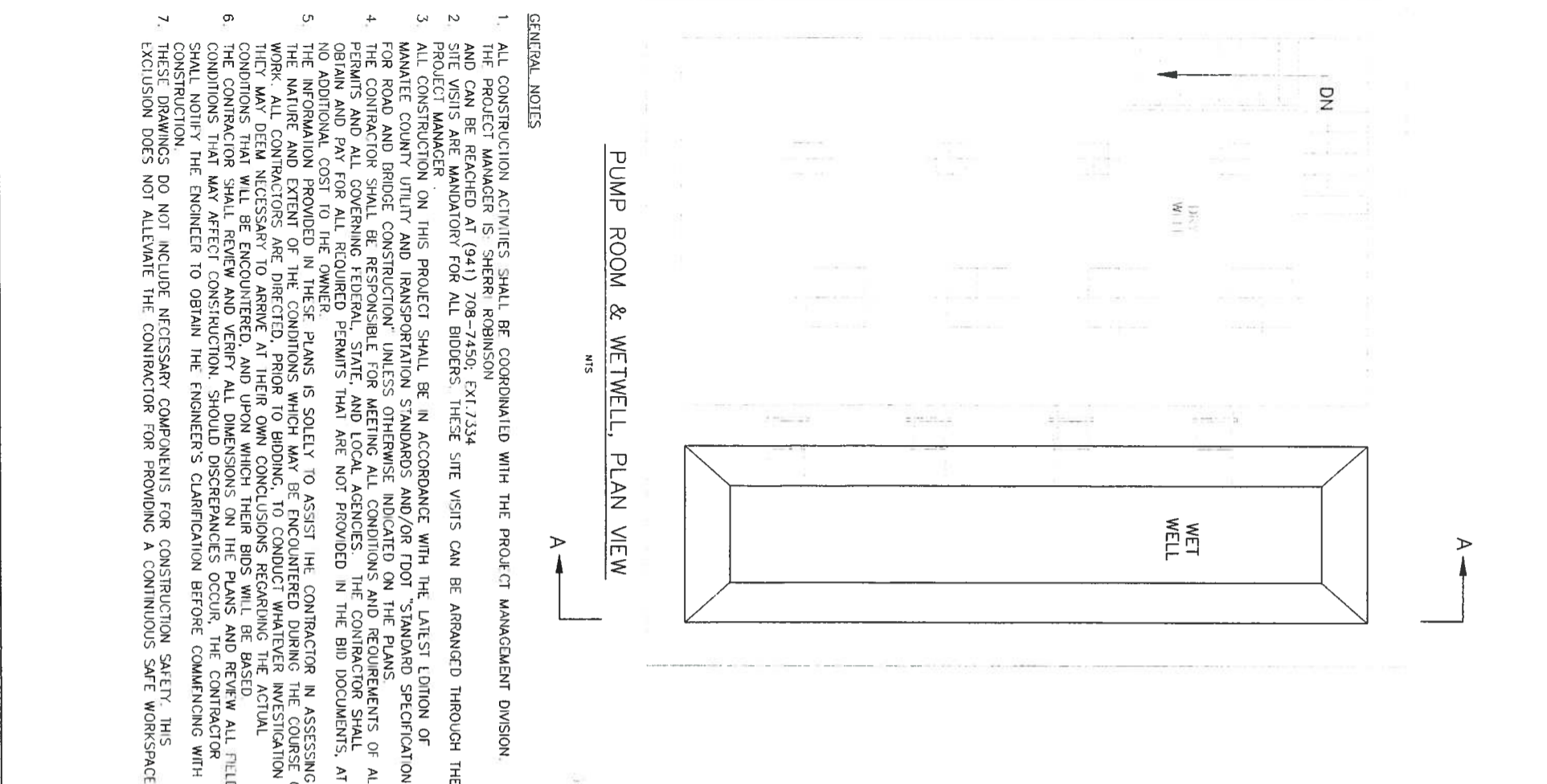
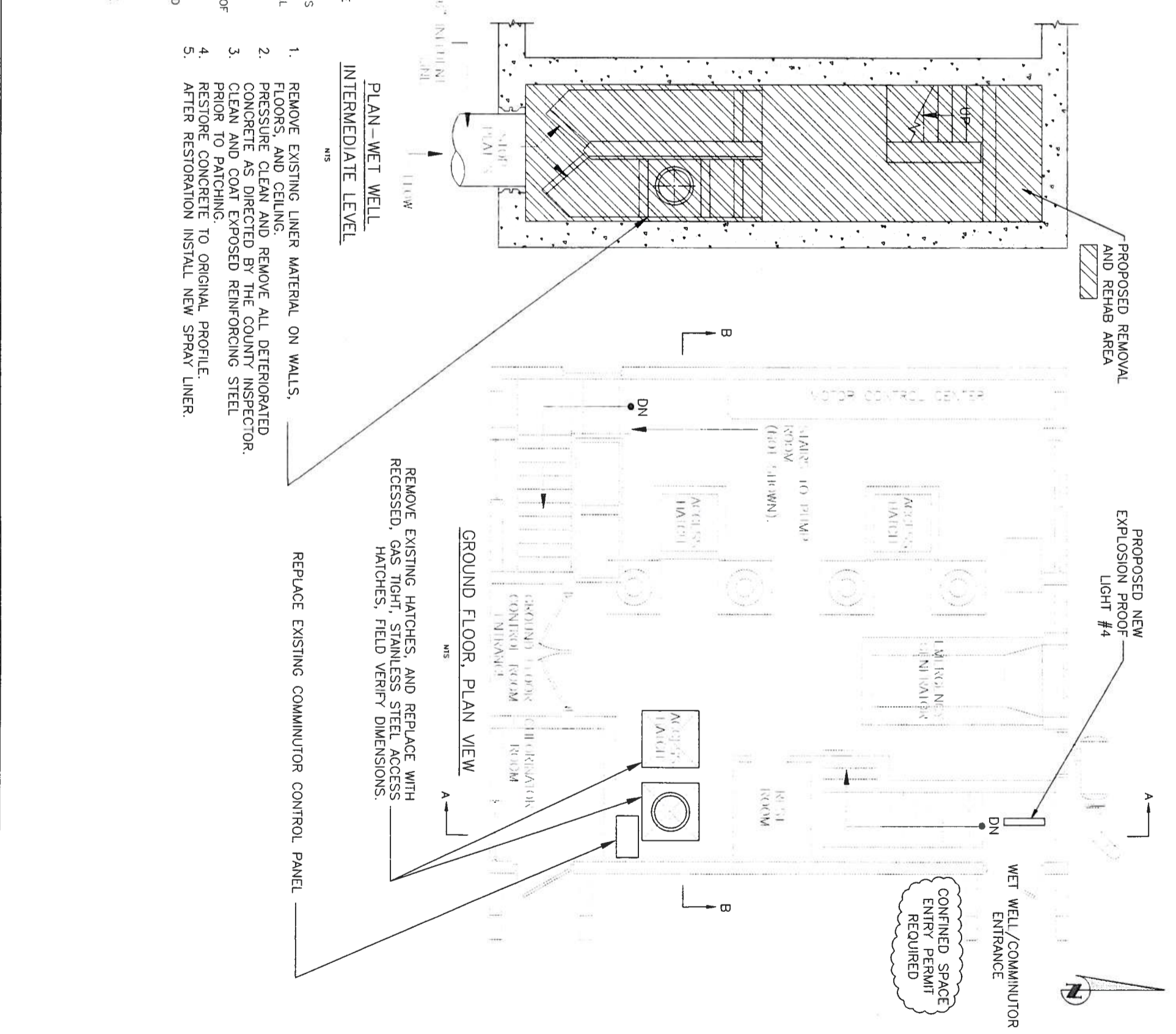
WAYNE R. TROXLER, P.E.
FLORIDA P.E. # 62204

SHEET 1 OF 6

LIFT STATION UPGRADE MASTER LIFT STATION 1M PLAN VIEWS

REVISION	DESCRIPTION	BY	DATE
1			
2			

PROJECT #	402-0019706
SURVEY #	0-0
SEC./TWR./RCE	12/355/16E
SCALE	N.T.S.
SURVEYED	00/00/00
DESIGNED	09/11/13
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WAYNE R. TROXLER, P.E.	
FLORIDA P.E. # 62204	

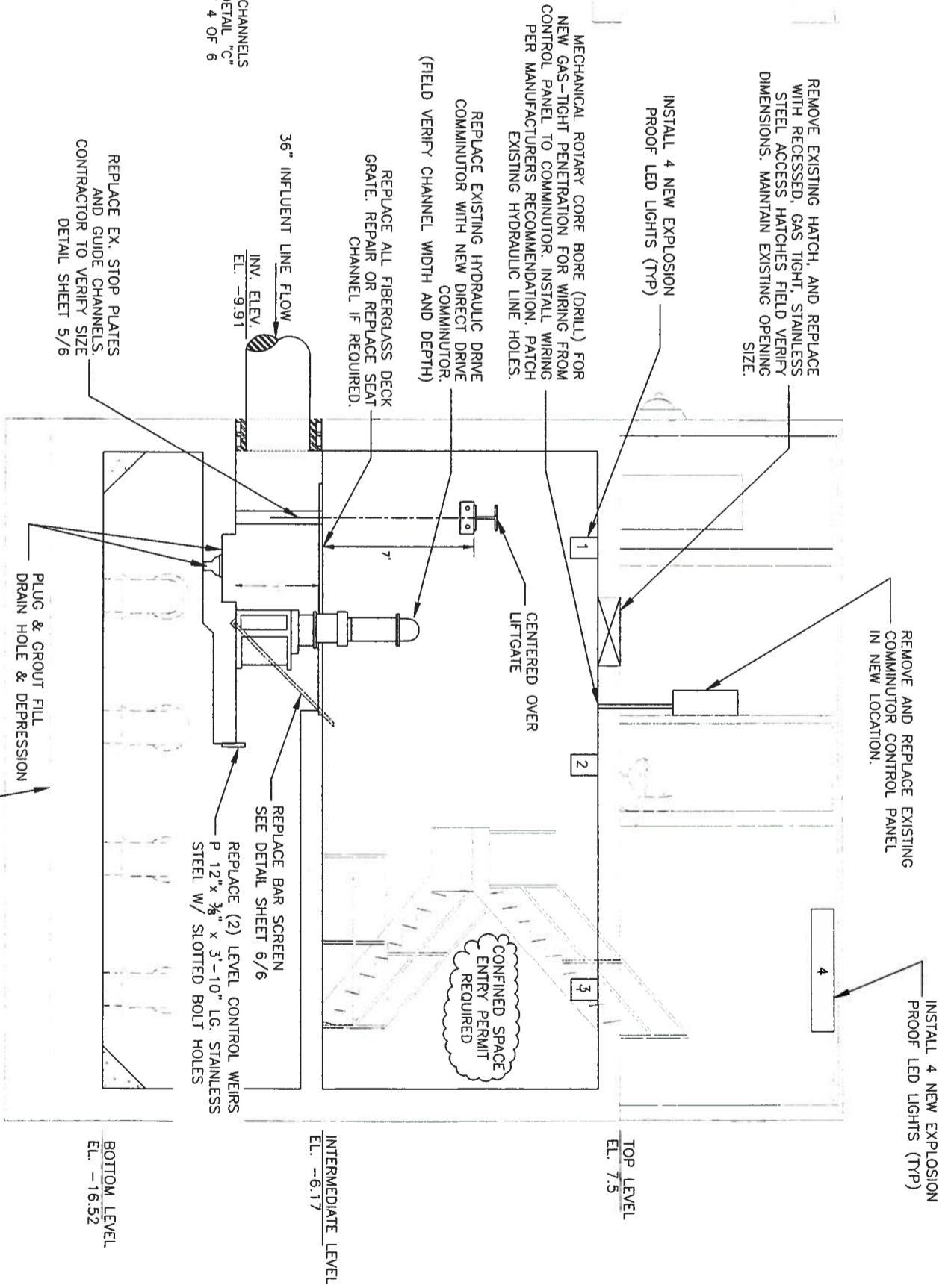


- GENERAL NOTES**
1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE PROJECT MANAGER IS: SHERI ROBINSON AND CAN BE REACHED AT (941) 708-7450, EXT. 7334
 2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS. THESE SITE VISITS CAN BE ARRANGED THROUGH THE PROJECT MANAGER.
 3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. UNLESS OTHERWISE INDICATED ON THE PLANS.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
 5. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
 6. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
 7. THESE DRAWINGS DO NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE

- PLAN - WET WELL INTERMEDIATE LEVEL**
1. REMOVE EXISTING LINER MATERIAL ON WALLS, FLOORS, AND CEILING.
 2. PRESSURE CLEAN AND REMOVE ALL DETEIORATED CONCRETE AS DIRECTED BY THE COUNTY INSPECTOR.
 3. CLEAN AND COAT EXPOSED REINFORCING STEEL PRIOR TO PATCHING.
 4. RESTORE CONCRETE TO ORIGINAL PROFILE.
 5. AFTER RESTORATION INSTALL NEW SPRAY LINER.

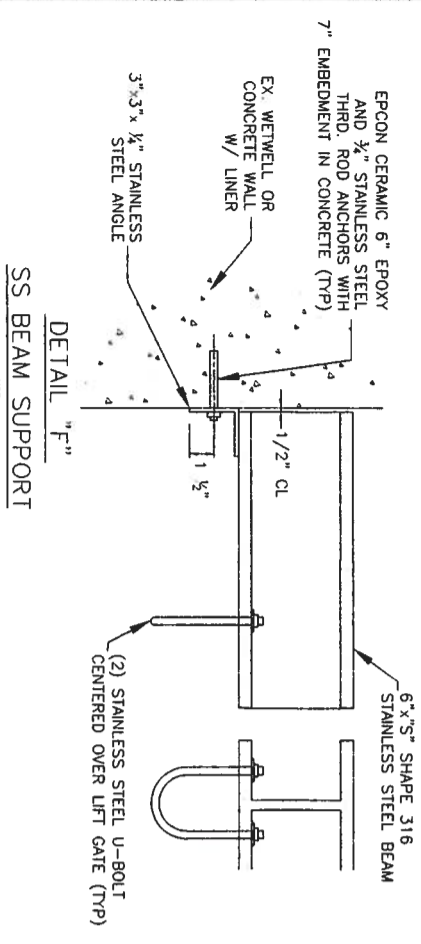


LIFT STATION UPGRADE MASTER LIFT STATION 1M SECTION VIEWS



- COMMUNICATOR NOTES:**
1. ELECTRICAL LINE NEEDS TO BE ROUTED FROM THE NEW CONTROL BOX TO THE NEW COMMUNICATOR. CURRENT LINES ARE ROUTED THRU THE EX. HATCH. THIS WILL NO LONGER BE ACCEPTABLE. SEE NOTE ABOVE.
 2. NEW COMMUNICATOR TO BE MODEL CMD4010--XDS2.0 CHANNEL MONSTER™ SYSTEM. INSTALLATION INCLUDES CMA1101 316 SS CHANNEL MOUNT FRAME ASSEMBLY WITH OVERFLOW BAR RACK, PC2200 MOTOR CONTROLLER IN NEW NEMA 4X 316 STAINLESS STEEL PANEL BOX, IEC STARTER WITH OVERCURRENT PROTECTION & JAM SENSING.
 3. THE CONTRACTOR IS TO PROVIDE A COMPLETE AND OPERATIONAL UNIT INCLUDING ALL LABOR, ASSOCIATED PARTS, FITTINGS, AND 3 O&M MANUALS.
 4. BRIDGE CRANE HEIGHT LIMITATION IS 70 INCHES.

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2. PRESSURE CLEAN AND REMOVE ALL DETERIORATED CONCRETE AS DIRECTED BY THE COUNTY.
3. CLEAN AND COAT EXPOSED REINFORCING STEEL PRIOR TO PATCHING.
4. RESTORE CONCRETE TO ORIGINAL PROFILE.
5. AFTER RESTORATION INSTALL NEW SPRAY LINER.



REVISION	DESCRIPTION	BY	DATE
1			
2			

PROJECT #	402-0019706
SCALE	NIS
DATE	09/11/13
DESIGNED	WT
DRAWN	DC/M
CHECKED	
DATE	09/11/13
DATE	09/00/00

WAYNE R. TROXLER, P.E.
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SHEET 3 OF 6

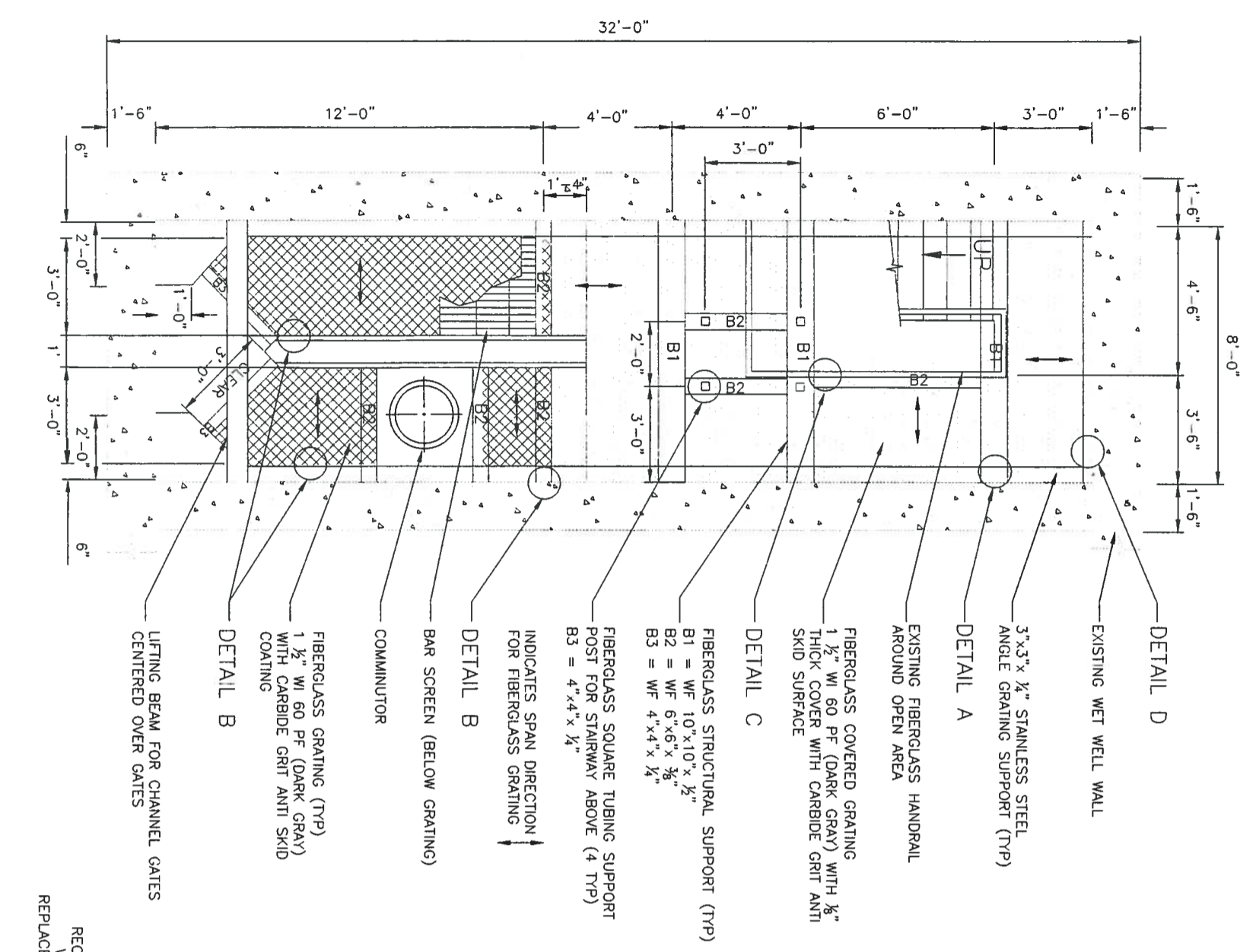
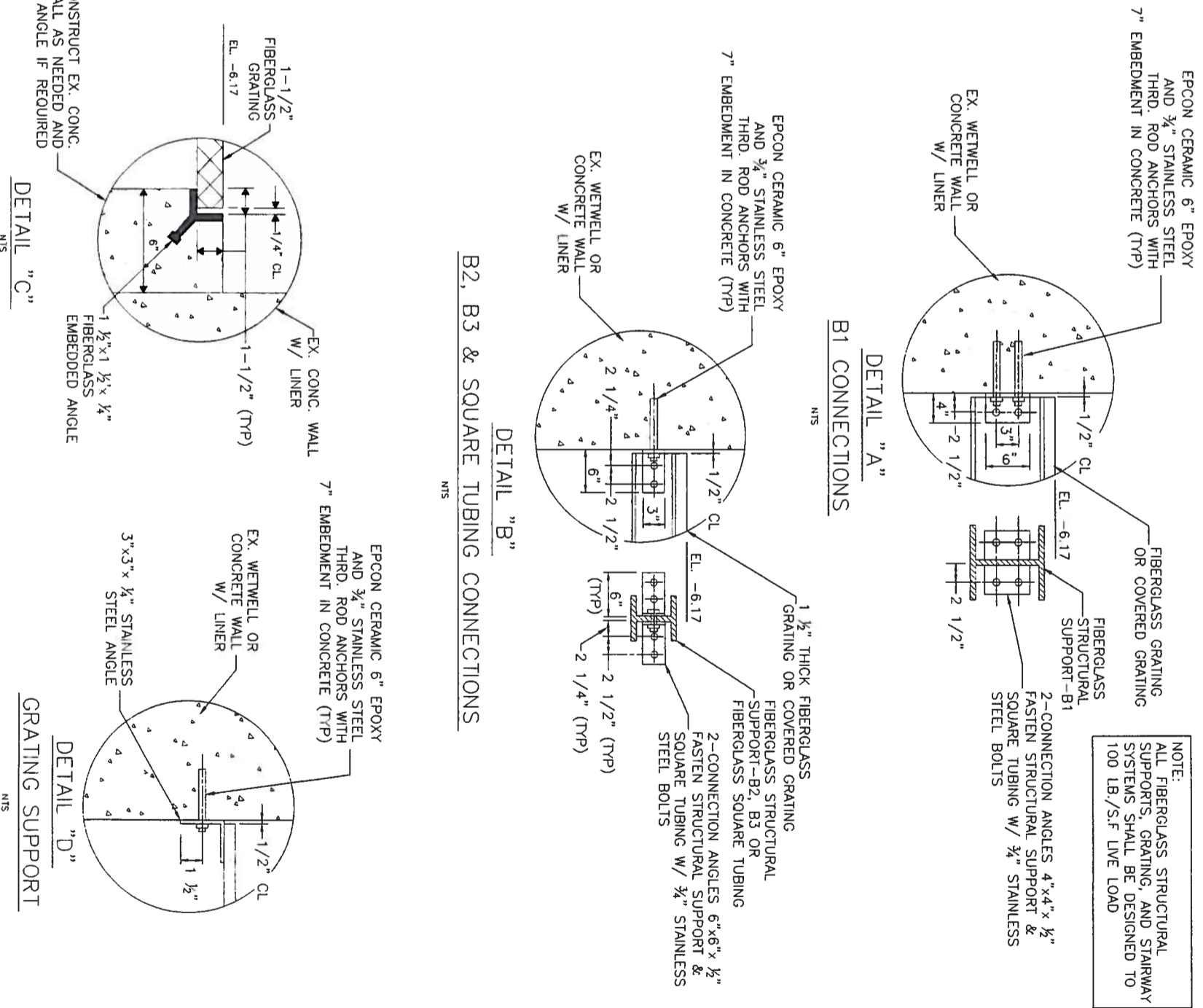
LIFT STATION UPGRADE MASTER LIFT STATION 1M WET WELL FRAMING

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SURVEYED	00/00/00
DESIGNED	WT 09/11/13
DRAWN	00/W 09/11/13
CHECKED	00/00/00

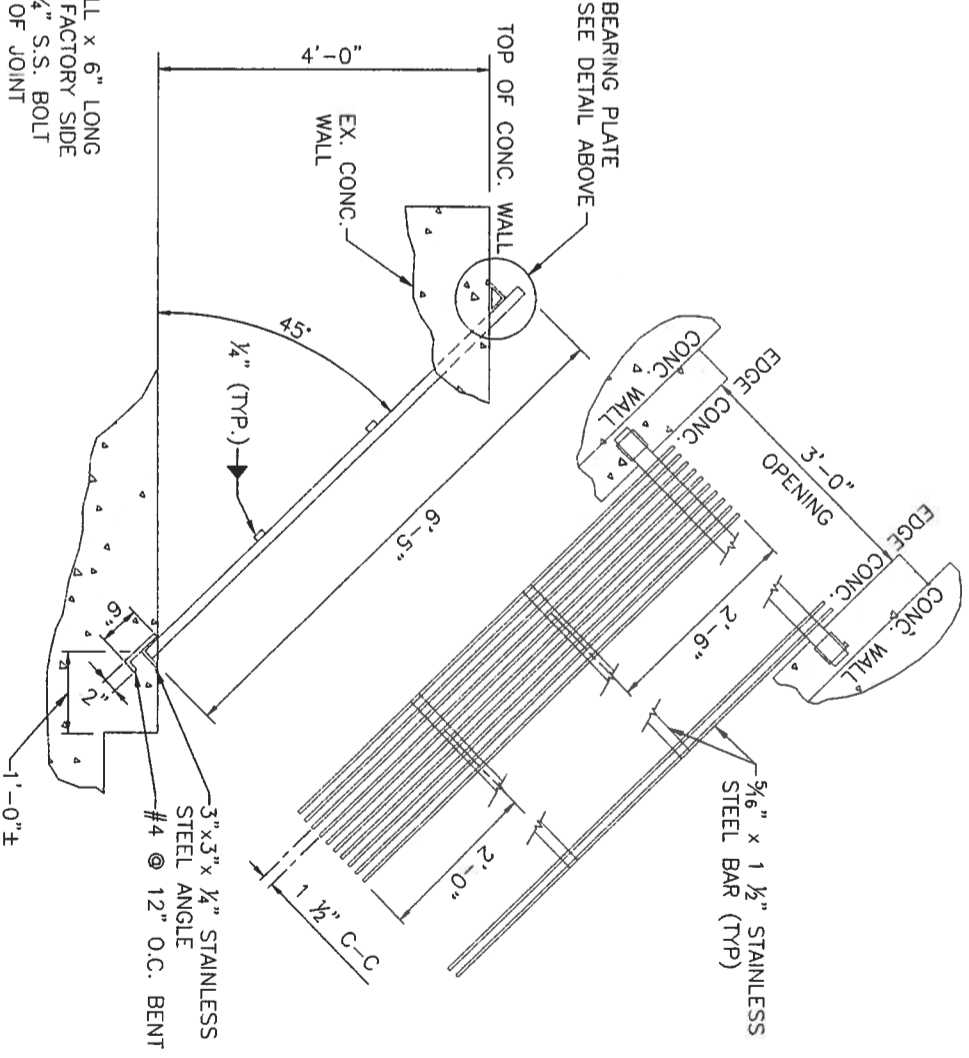
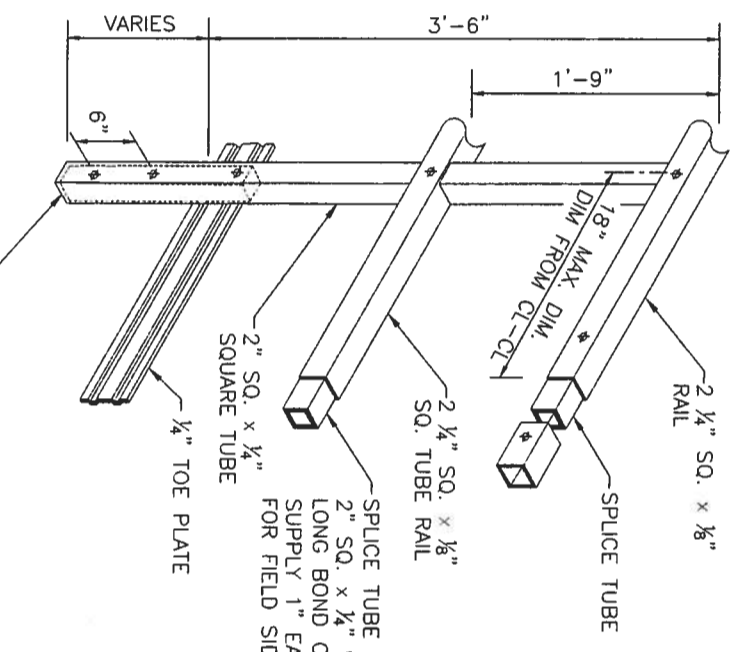
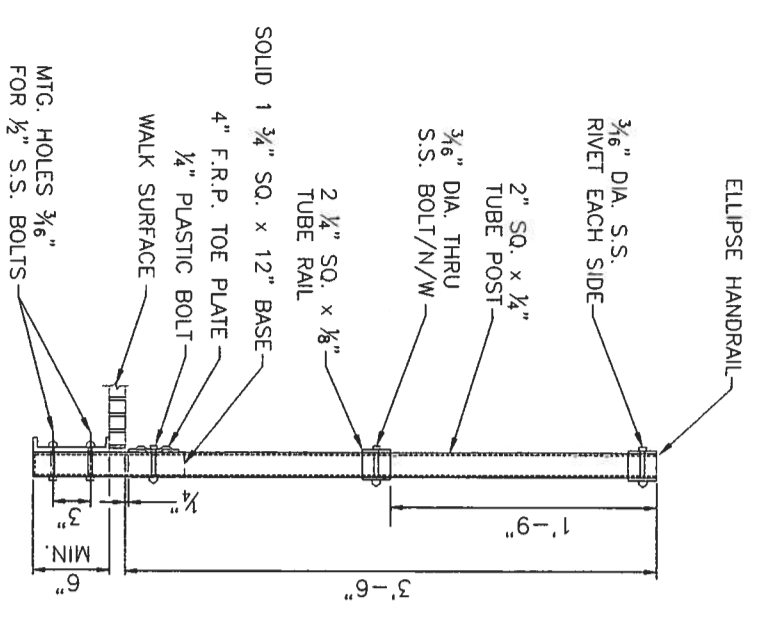
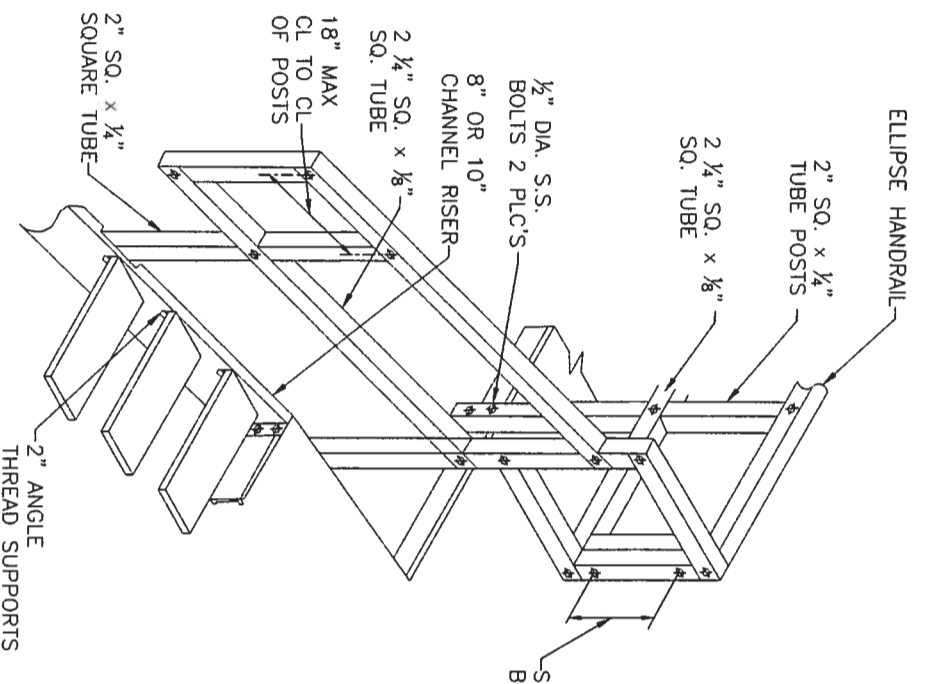
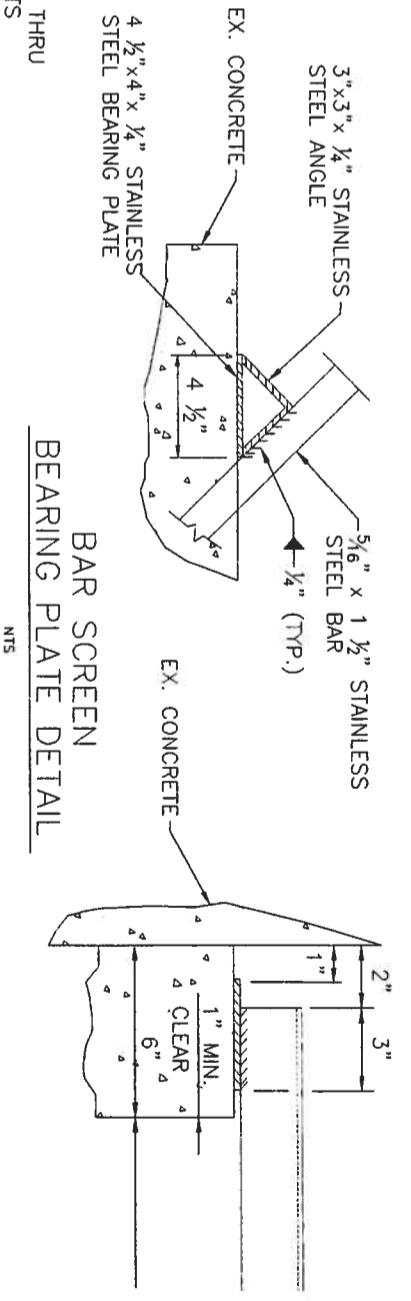
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NOTE:
 ALL FIBERGLASS STRUCTURAL SUPPORTS, GRATING, AND STAIRWAY SYSTEMS SHALL BE DESIGNED TO 100 LB./S.F. LIVE LOAD



32'-0"
 8'-0"
 1'-6"
 4'-6"
 3'-6"
 1'-6"
 6'-0"
 4'-0"
 4'-0"
 3'-0"
 12'-0"
 1'-6"
 3'-0"
 2'-0"
 3'-0"
 2'-0"
 3'-0"
 1'-0"
 1'-0"
 2'-0"
 3'-0"
 6"
 6"

LIFT STATION UPGRADE MASTER LIFT STATION 1M DETAILS



FIBERGLASS HANDRAIL FABRICATION DETAIL

BAR SCREEN BEARING PLATE DETAIL

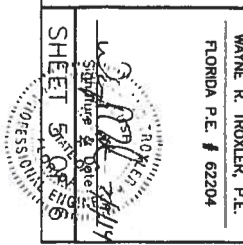
BAR SCREEN DETAIL

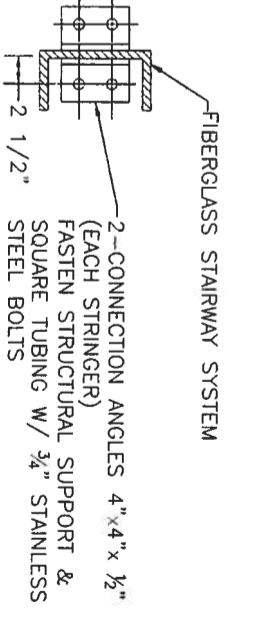
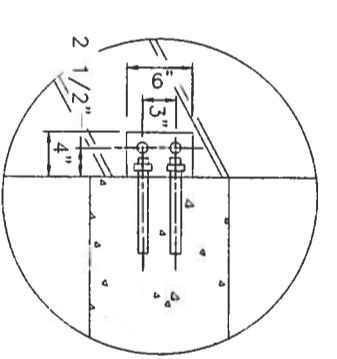
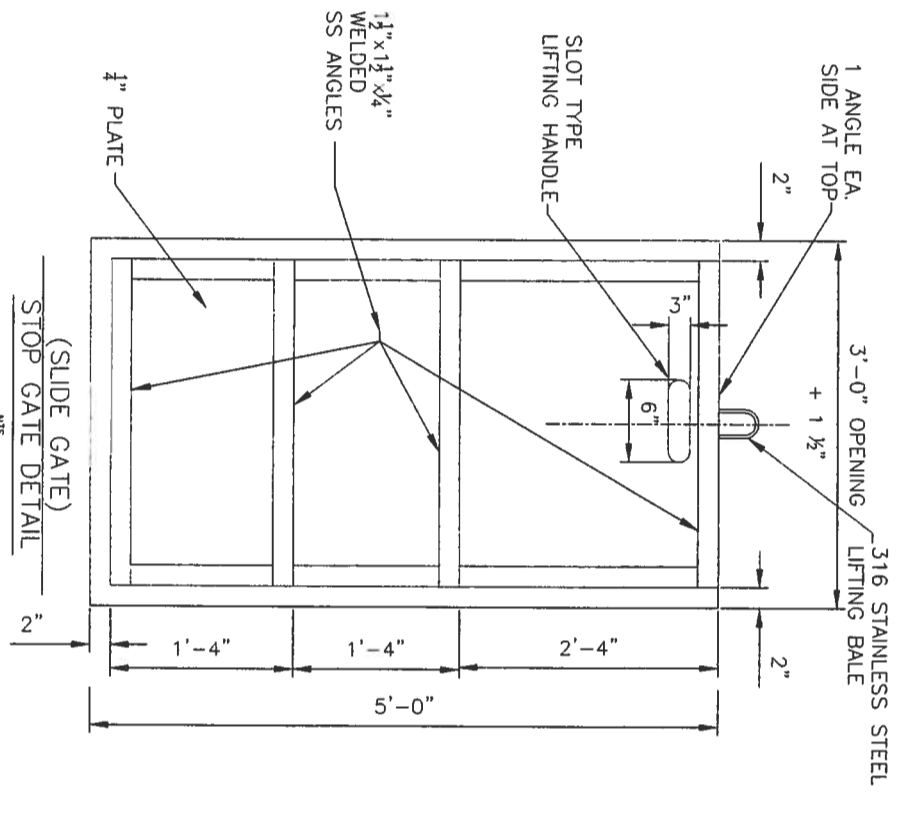
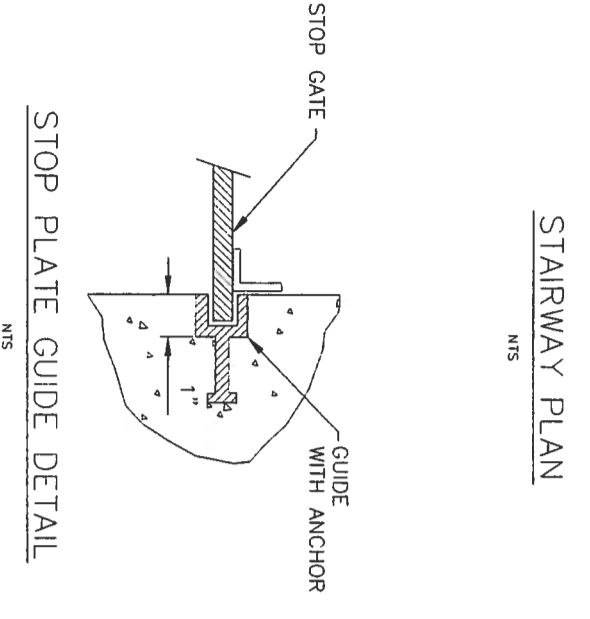
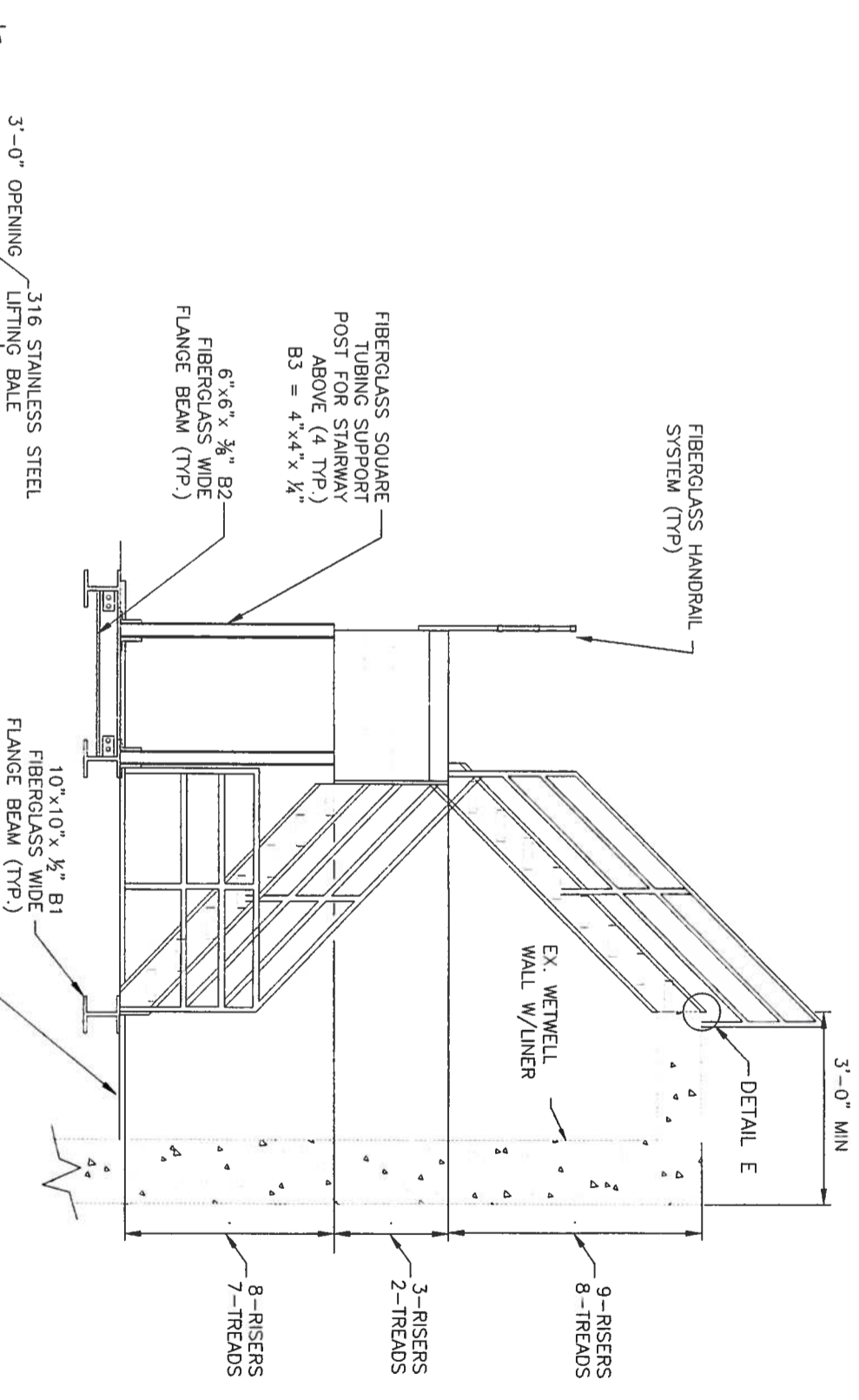
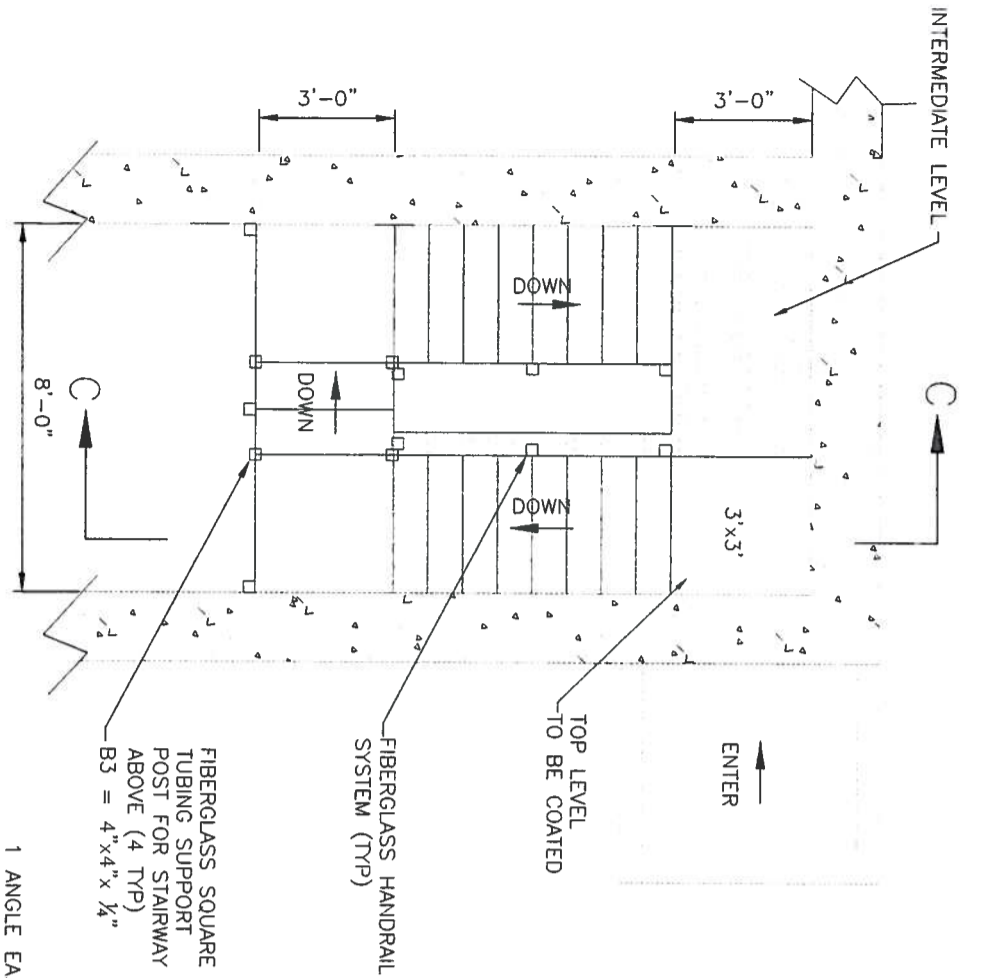
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SHEET 5 OF 6





LIFT STATION UPGRADE MASTER LIFT STATION 1M STAIRS DETAILS



MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	402-0019706
SUPPLY #	0-0
SEC./TWN./R/OE	12/355/16E
SCALE	NTS
SURVEYED	00/00/00
DESIGNED	09/11/13
DRAWN	09/11/13
CHECKED	00/00/00

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SHEET 6 OF 6
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