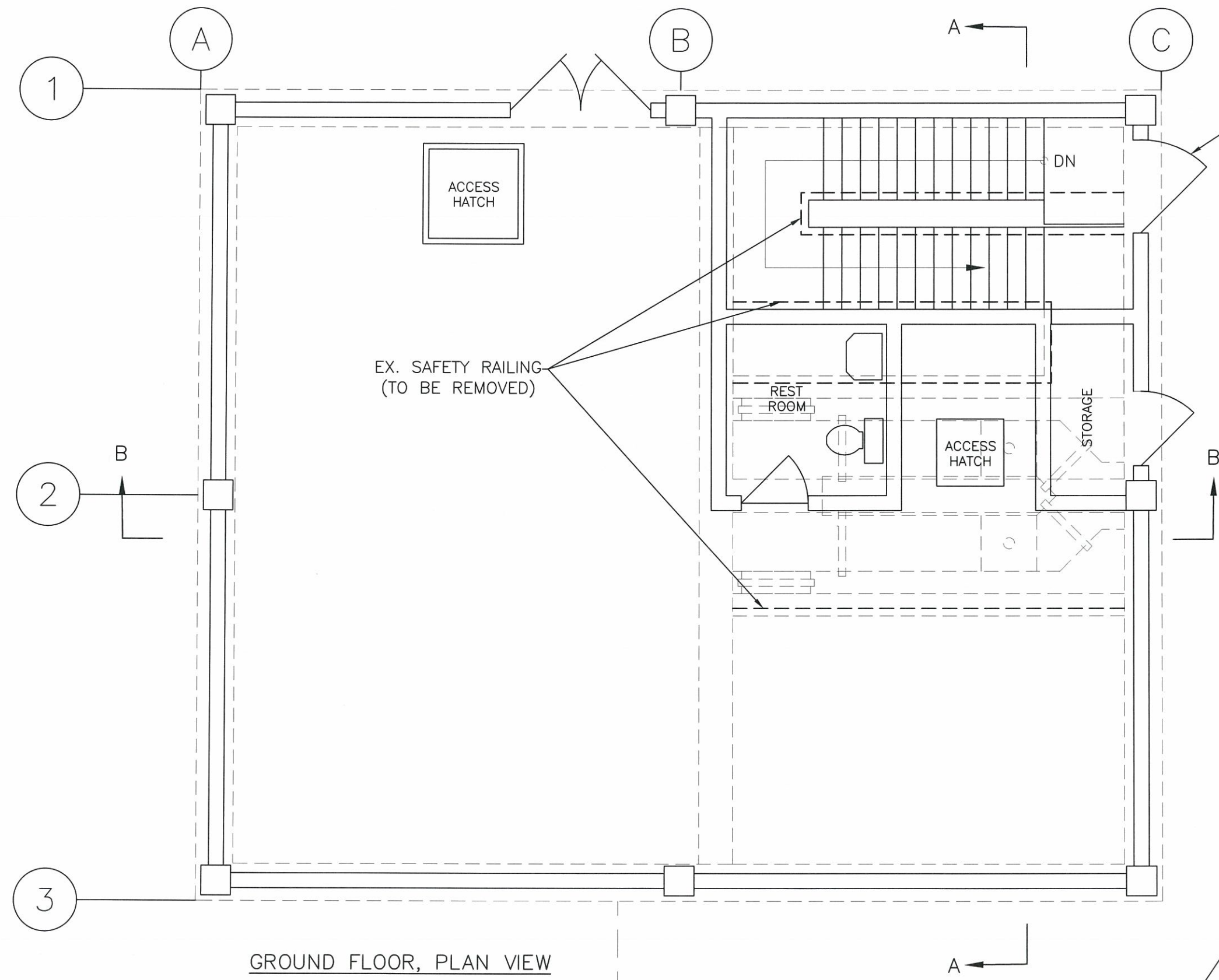


**MASTER LIFT STATION R & R
TIDEVUE 4, RTU 533
PLAN VIEWS**



GROUND FLOOR, PLAN VIEW

REMOVE AND INSTALL ±65 LF OF 16" HDPE FORCE MAIN AND REQUIRED FITTING FROM THE MASTER LIFT STATION BUILDING TO THE NEW 16" FORCE MAIN GATE VALVE. COORDINATE WITH LIFT STATION & FORCE MAIN SUPERINTENDENTS.

REMOVE AND INSTALL NEW PAINTED ALUMINUM DOOR AND FRAME.

WET WELL ENTRANCE

GENERAL NOTES

1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE PROJECT MANAGER IS: SHERRI 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 LIFT STATION SUPERINTENDENT, NICK WAGNER, 941-792-8811 x5377.
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 BE RESPONSIBLE FOR DETERMINING ALL DIMENSIONS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE COUNTY TO OBTAIN THE COUNTY'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
7. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.
8. BYPASS PUMPING TO BE FROM FLOW-THROUGH PLUG IN INFLUENT PIPE IN WET WELL AND ROUTED UP THROUGH EXISTING COMMUNUTOR HATCH IN ORDER TO AVOID ROAD OR LANE CLOSURE.

REMOVE AND INSTALL NEW 16" GATE VALVE OUTSIDE OF MASTER LIFT STATION STRUCTURE. COORDINATE WITH LIFT STATION SUPERINTENDENT.

CONTRACTOR SHALL REFERENCE SECTION 14 IN THE CURRENT MANATEE COUNTY UTILITY STANDARDS FOR RECORD DRAWING REQUIREMENTS.

NO.	REVISION DESCRIPTION	BY	DATE
1	added comminutor	jss	8/7/13

PROJECT #	404-6060784
SURVEY #	----
SEC./TWN./RGE	17/34/18
SCALE	1"=5'

NO.	DATE	BY	DESCRIPTION
1	5/20/13	JSS	DESIGNED
2	5/20/13	JSS	DRAWN

JOHN S. SHOUN, P.E.
FLORIDA P.E. #60923

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Signature: _____
Date: _____

SHEET 12 OF 6

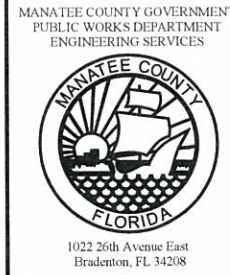
COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT I:\P\O\Engineering\Shoun\JSS\Proj\San Swr - IS Upgrades\MIS Tidevue 4 Rehab\DWG\MIS Tidevue 4 Rehab\DWG\MIS Tidevue 4.dwg,2 GROUND FLOOR PLAN VIEW, 1/3/2014 7:59 AM Shee Shoun, 1:1, ANSI full bleed B (17.00 x 11.00 inches)

NOTES:

1. ELECTRICAL LINE NEEDS TO BE ROUTED FROM THE NEW CONTROL BOX TO THE NEW COMMINUTOR. USE OF THE EXISTING HATCH OPENING WILL NOT BE ACCEPTABLE. SEE NOTE BELOW.
2. NEW COMMINUTOR TO BE MODEL CDD1810-XDM2.0 CHANNEL MONSTER™ SYSTEM. INSTALLATION INCLUDES CMA1101 316 SS CHANNEL MOUNT FRAME ASSEMBLY WITH OVERFLOW BAR RACK, PC2200 MOTOR CONTROLLER IN NEW NEMA 4X FIBERGLASS PANEL BOX, IEC STARTER WITH OVERCURRENT PROTECTION & JAM SENSING.

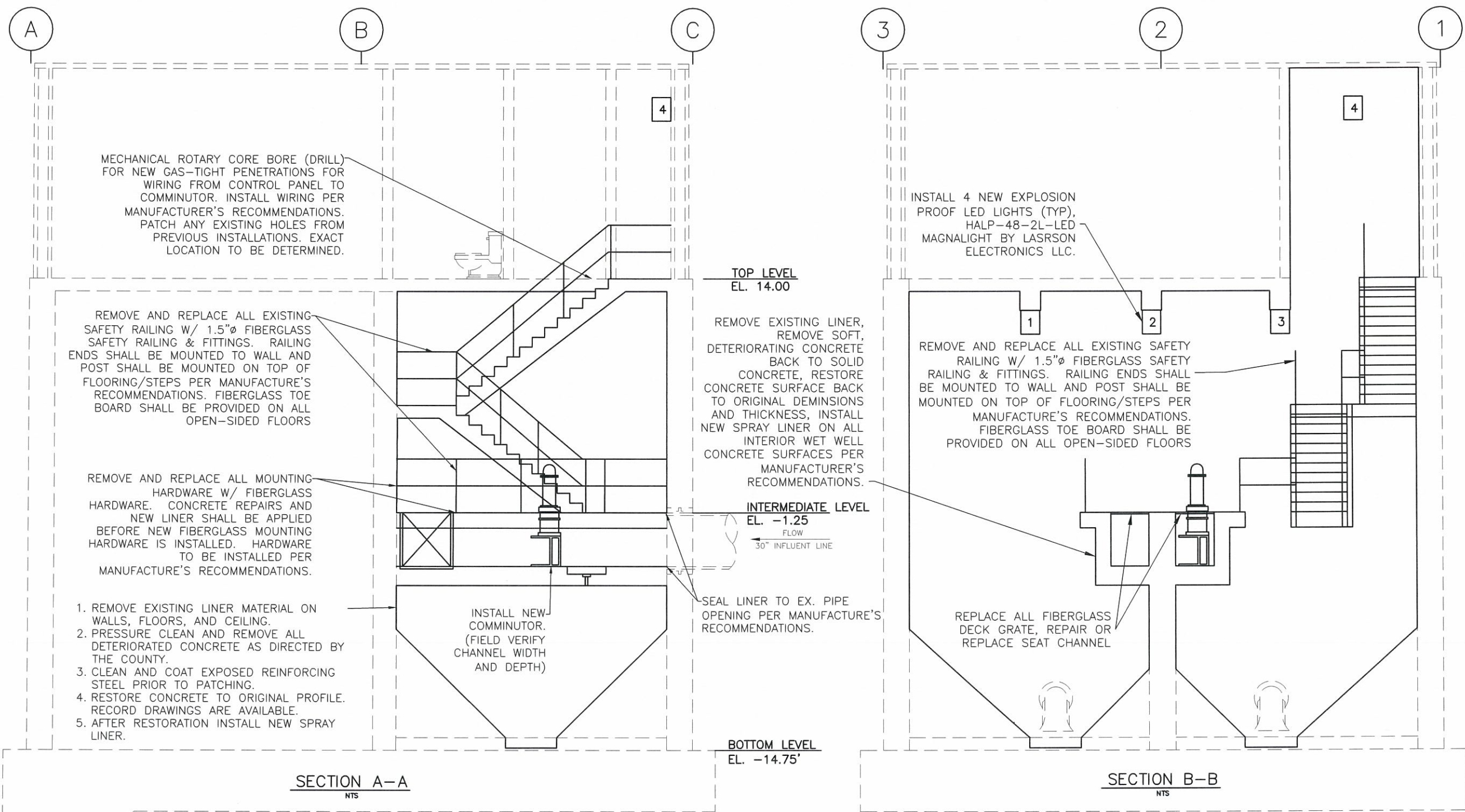
COMMUNUTOR SPECIFICATIONS:

1. GRINDER W/ 32" CUTTER STACK, 11-TOOTH CAM CUTTERS IN 8620 ALLOY STEEL, (2)-10" DIA. 316 SS ROTATING PERFORATED DRUMS W/ 1/4" PERFORATIONS, CARTRIDGE-STYLE TUNGSTEN CARBIDE MECHANICAL SEALS W/ BUNA-N ELASTOMERS RATED FOR 90 PSI, 2 COATS OF TNEEC COALTAR EPOXY PAINT COATED DUCTILE IRON HOUSING & SIDERAILS, 29:1 SPEED REDUCER, (1)-5 HP & (2)-1 HP XPNV 230V/460V/3PH/60HZ BOTH IMMERSIBLE ELECTRIC MOTOR W/ 40' OF INTERNAL POWER CABLE & 316 SS LIFT BAIL.
2. ONE (1) CMA1101-STYLE CHANNEL MOUNTED FRAME ASSEMBLY W/ OVERFLOW BAR RACK FABRICATED OF 316 STAINLESS STEEL.
3. ONE (1) PC2200 MOTOR CONTROLLER IN NEW NEMA 4X FIBERGLASS ENCLOSURE ACCEPTING 230V/460V/3PH/60HZ INPUT POWER, INCLUDES IEC STARTER W/ OVERCURRENT PROTECTION, JAM-SENSING CURRENT TRANSFORMER, AND MICRO-PCL.



1022 26th Avenue East
Bradenton, FL 34208

**MASTER LIFT STATION R & R
TIDEVUE 4, RTU 533
SECTIONS**



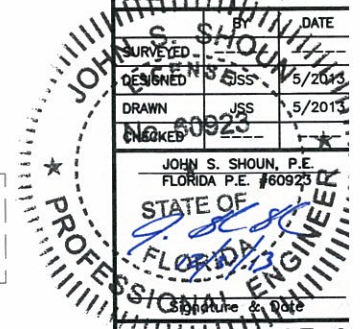
CONTRACTOR IS RESPONSIBLE FOR ALL LABOR, MEASUREMENTS, AND ALL MATERIALS REQUIRED TO COMPLETE THE JOB AS INTENDED.

CONTRACTOR IS RESPONSIBLE FOR ALL LABOR, MEASUREMENTS, AND ALL MATERIALS REQUIRED TO COMPLETE THE JOB AS INTENDED.

NO.	REVISION DESCRIPTION	BY	DATE
1	added comminutor	jss	8/7/13
2	rev. safety railing & grating	jss	8/12/13

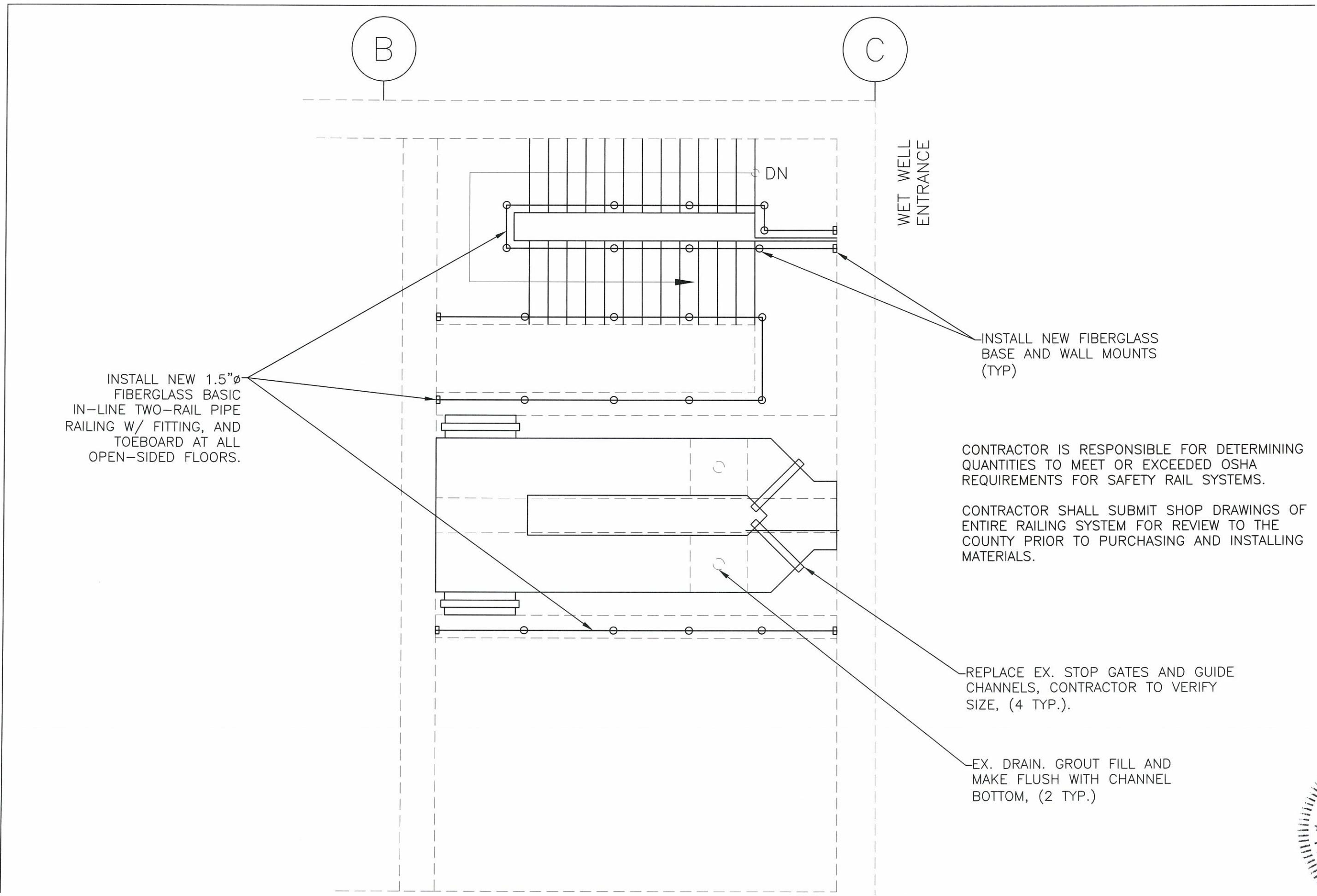
PROJECT #	404-6060784
SURVEY #	-----
SEC./TWN./RGE	17/34/18
SCALE	NTS

DESIGNED	JSS	5/2013
DRAWN	JSS	5/2013
CHECKED	JSS	5/2013



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**MASTER LIFT STATION R & R
TIDEVUE 4, RTU 533
STAIRWAY PLAN**



INSTALL NEW 1.5"Ø FIBERGLASS BASIC IN-LINE TWO-RAIL PIPE RAILING W/ FITTING, AND TOEBOARD AT ALL OPEN-SIDED FLOORS.

WET WELL ENTRANCE

INSTALL NEW FIBERGLASS BASE AND WALL MOUNTS (TYP)

CONTRACTOR IS RESPONSIBLE FOR DETERMINING QUANTITIES TO MEET OR EXCEED OSHA REQUIREMENTS FOR SAFETY RAIL SYSTEMS.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ENTIRE RAILING SYSTEM FOR REVIEW TO THE COUNTY PRIOR TO PURCHASING AND INSTALLING MATERIALS.

REPLACE EX. STOP GATES AND GUIDE CHANNELS, CONTRACTOR TO VERIFY SIZE, (4 TYP.).

EX. DRAIN. GROUT FILL AND MAKE FLUSH WITH CHANNEL BOTTOM, (2 TYP.)

NO.	REVISION DESCRIPTION	BY	DATE
2	rev. safety railing & grating	jas	8/12/13

PROJECT #	404-6060784
SURVEY #	-----
SEC./TWN./RGE	17/34/18
SCALE	NTS

BY	DATE
DESIGNED	8/20/13
DRAWN	8/20/13
CHECKED	8/20/13

JOHN S. GIBSON, P.E.
FLORIDA P.E. #60923

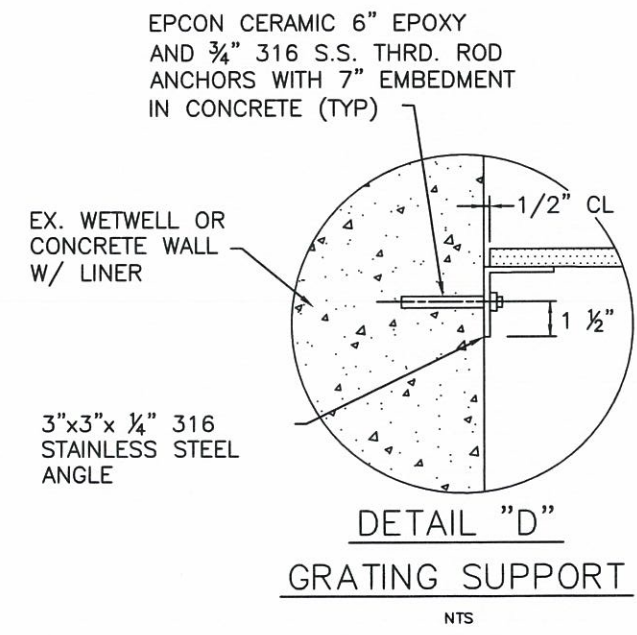
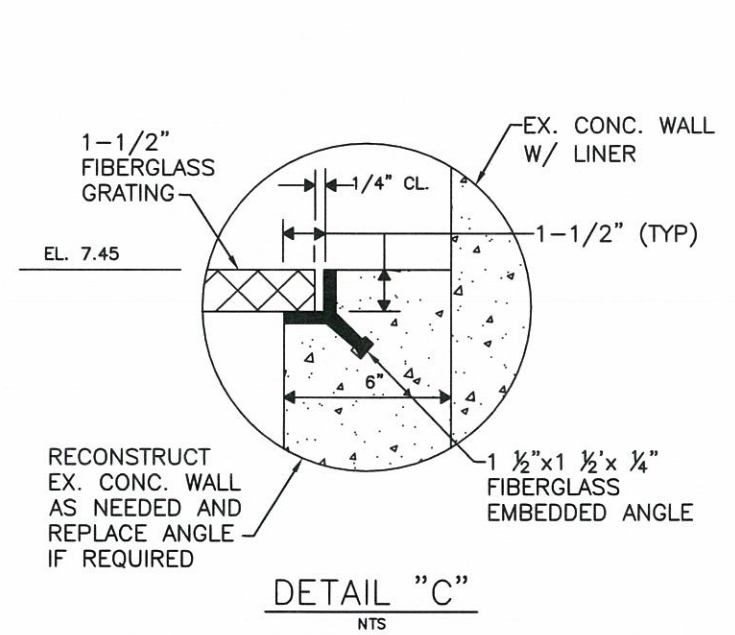
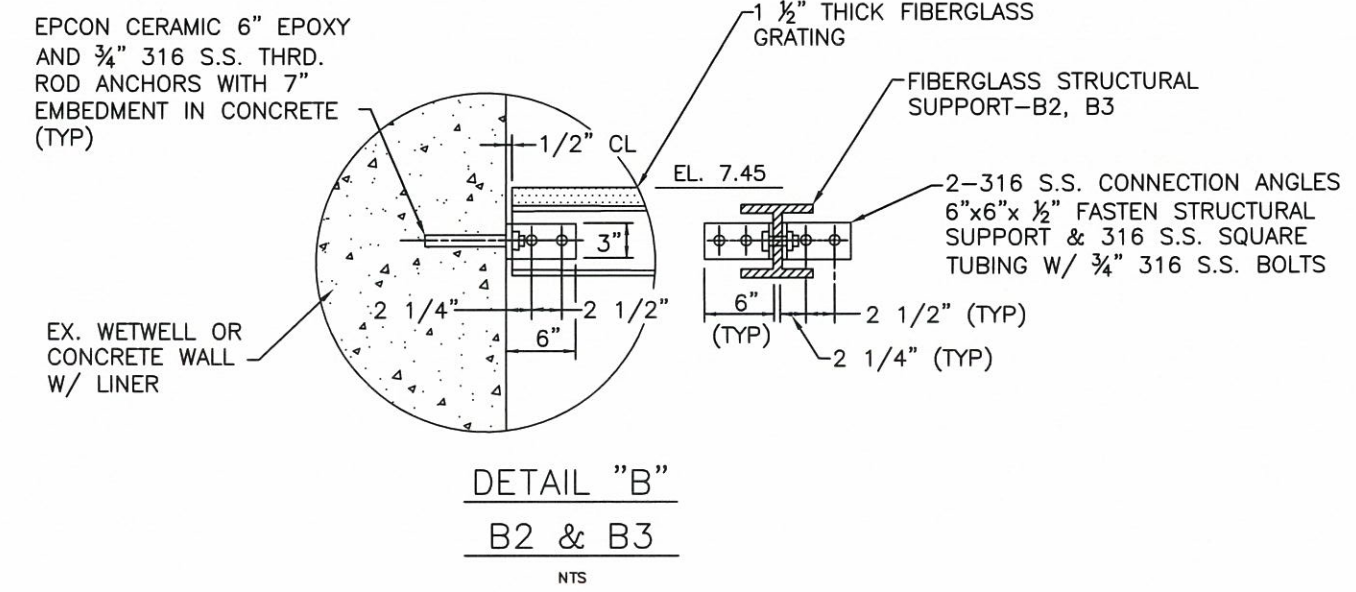
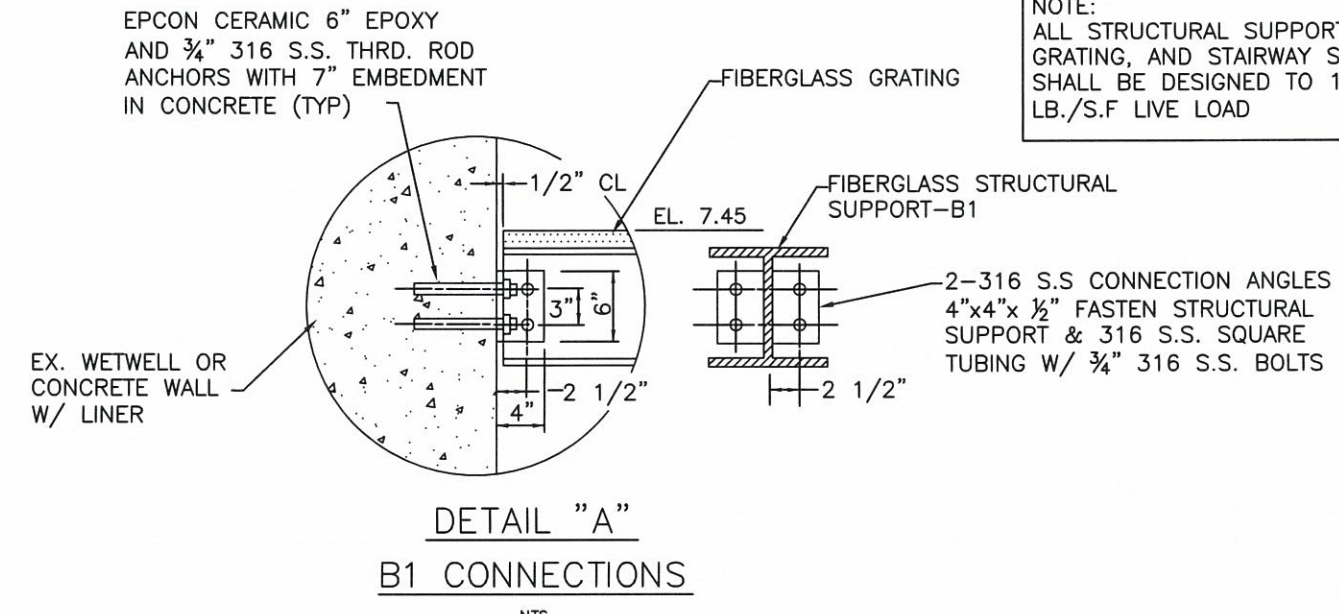
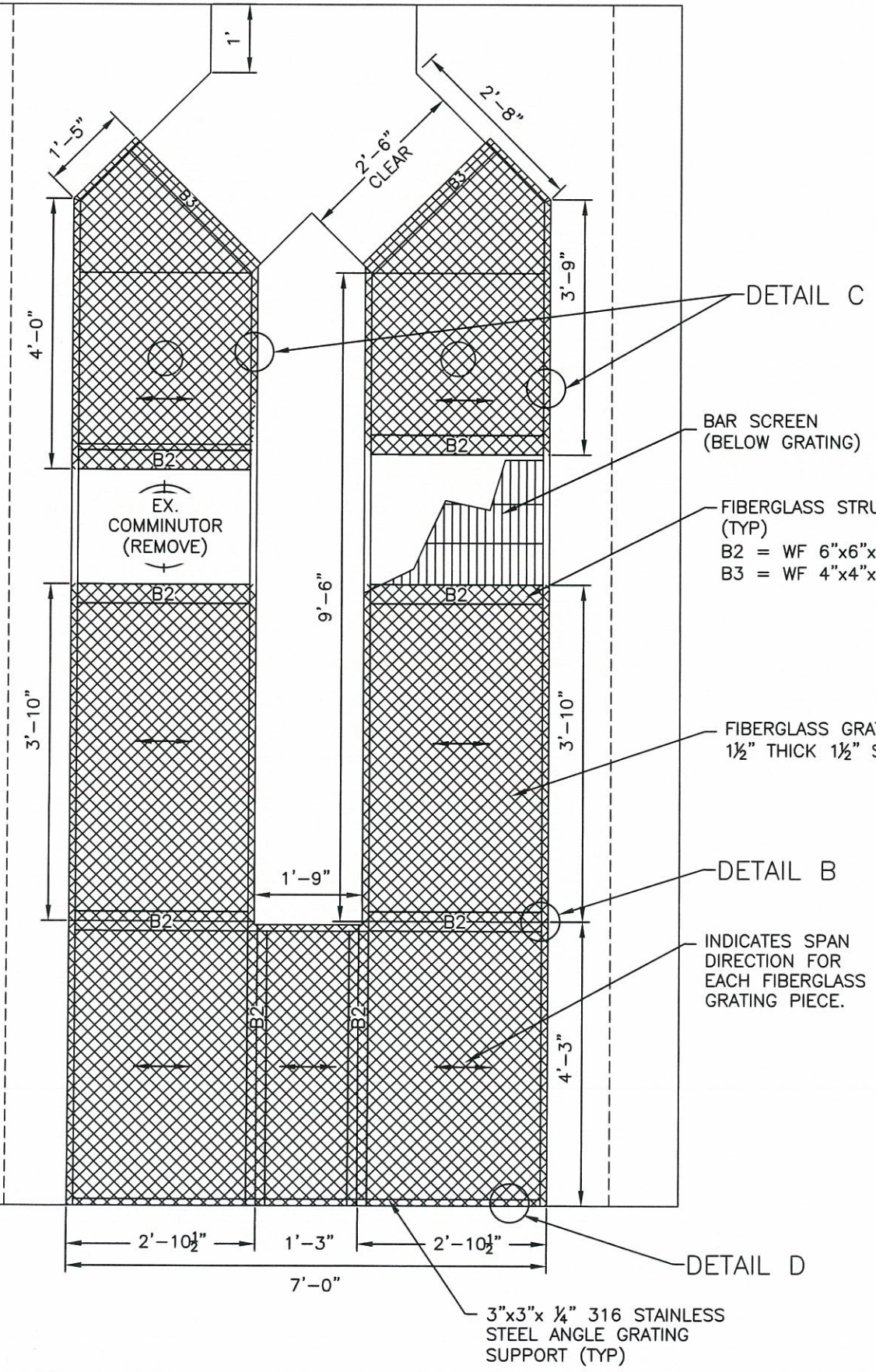
STATE OF FLORIDA
PROFESSIONAL ENGINEER

NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ORDERING MATERIALS.
2. FIBERGLASS GRATING SHALL BE ORIENTATED PER THE MANUFACTURER'S RECOMMENDATION.

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

**MASTER LIFT STATION R & R
TIDEVUE 4, RTU 533
DETAILS**



NO.	REVISION DESCRIPTION	DATE
1	added communicator	8/7/13
2	rev. safety railing & grating	8/12/13

PROJECT #	404-6060784
SURVEY #	---
SEC./TWN./RGE	17/34/18
SCALE	NTS

BY	DATE
SURVEYED	
DESIGNED	6/2013
DRAWN	5/2013
CHECKED	

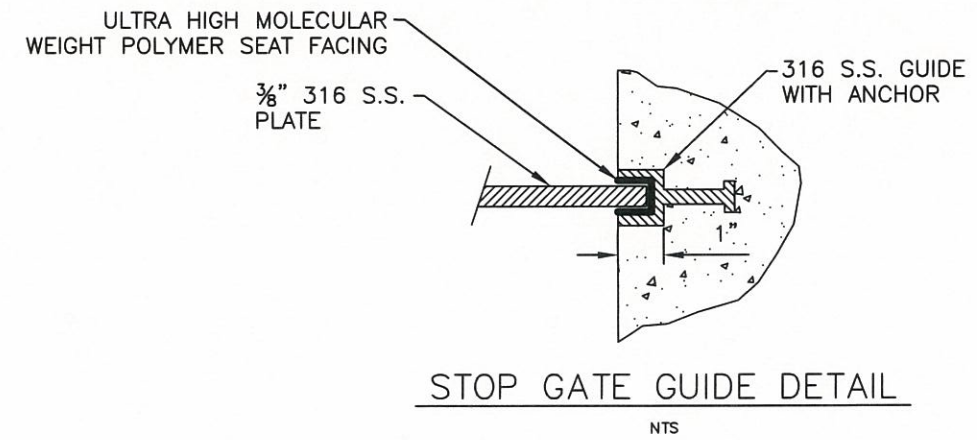
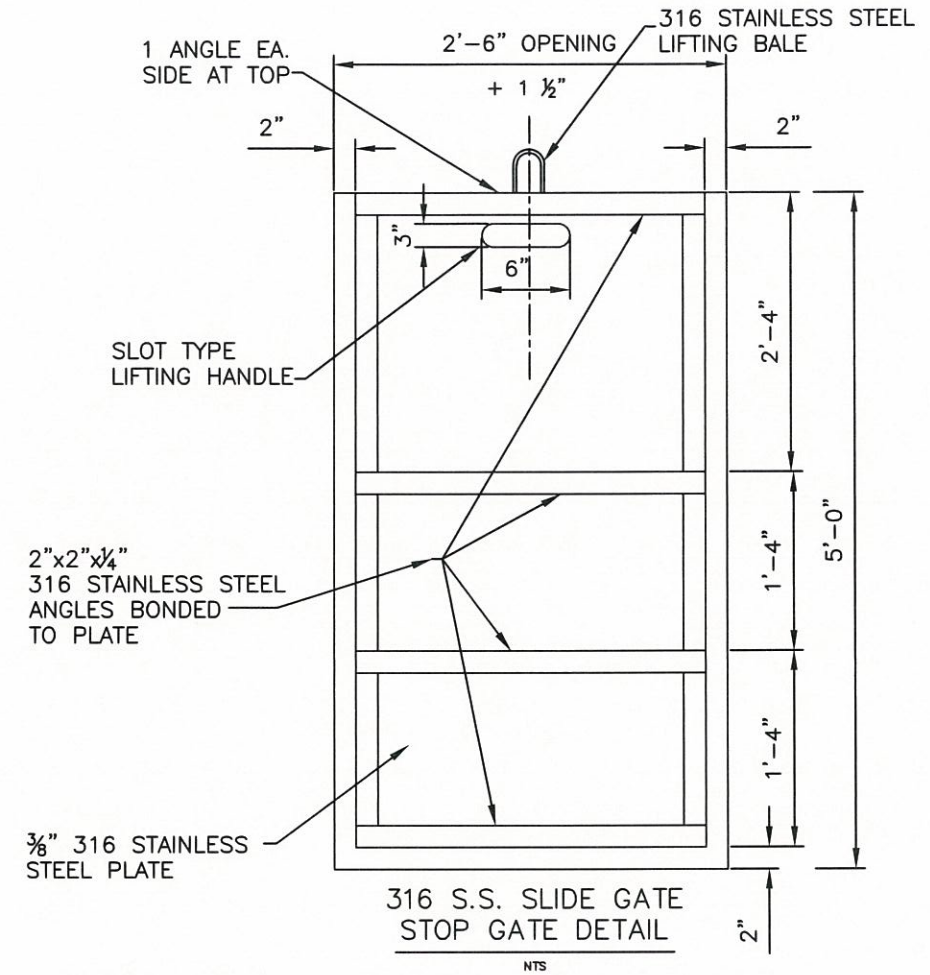
JOHN S. SUDUN, P.E.
FLORIDA P.E. #60923
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Signature: _____ Date: _____

SHEET 5 OF 6

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**MASTER LIFT STATION R & R
TIDEVUE 4, RTU 533
DETAILS**



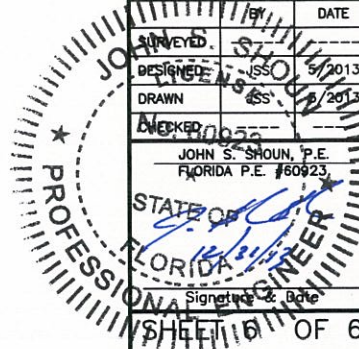
NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	404-6060784
SURVEY #	----
SEC./TWN./RGE	17/34/18
SCALE	NTS

NO.	DATE
APPROVED	5/2013
DESIGNED	5/2013
DRAWN	5/2013
CHECKED	5/2013

JOHN S. SHOUN, P.E.
FLORIDA P.E. #60923

Signature & Date



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