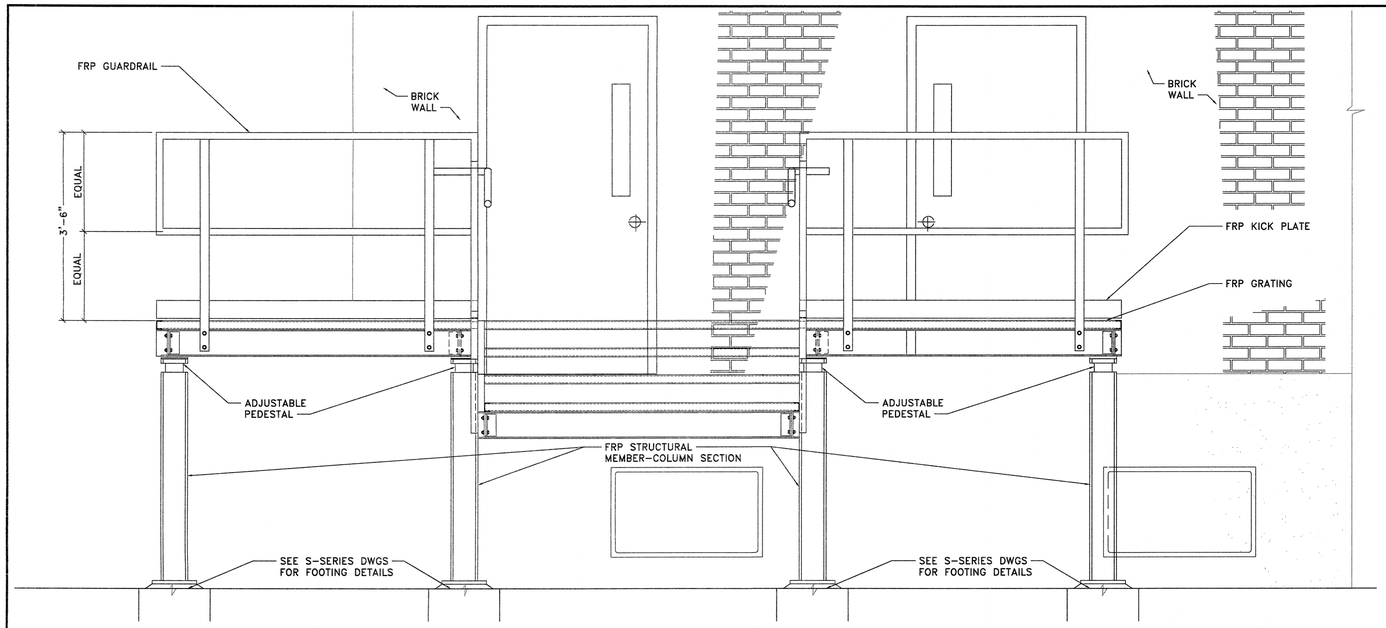
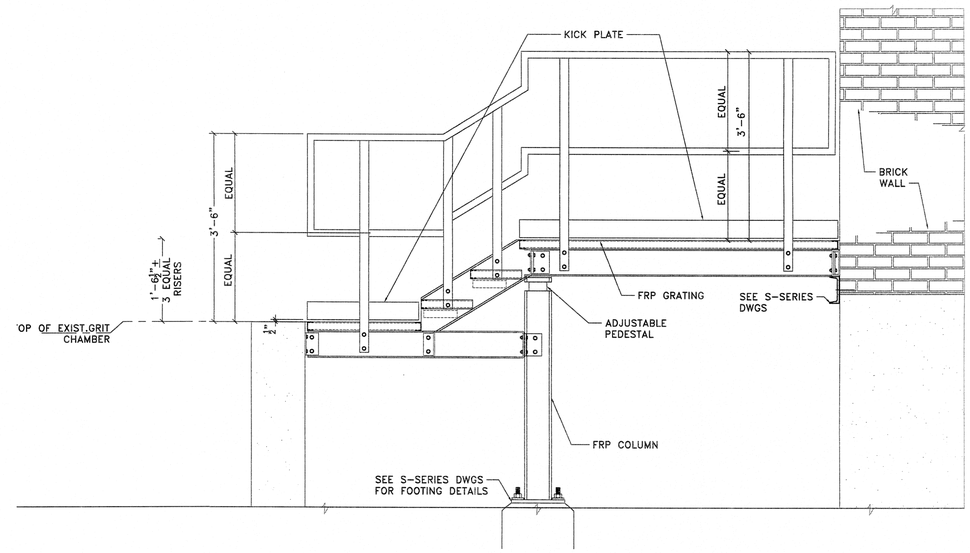


3 ELEVATION-STAIRS

SCALE: 3/4"=1'-0"

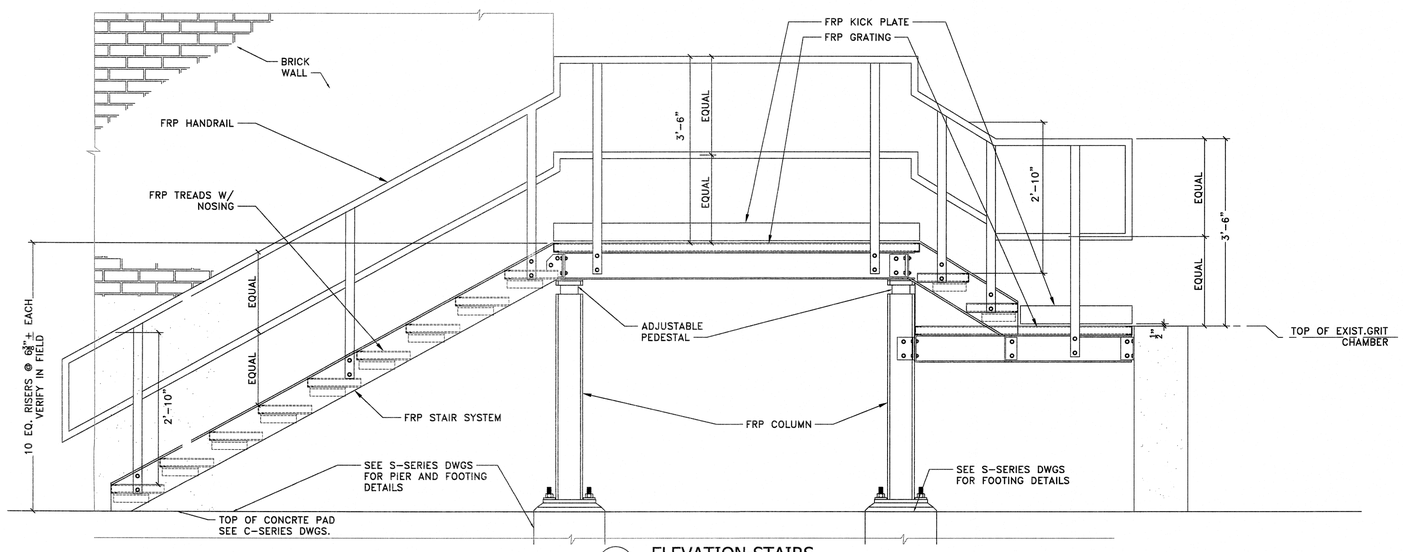


4 ELEVATION-STAIRS

SCALE: 3/4"=1'-0"

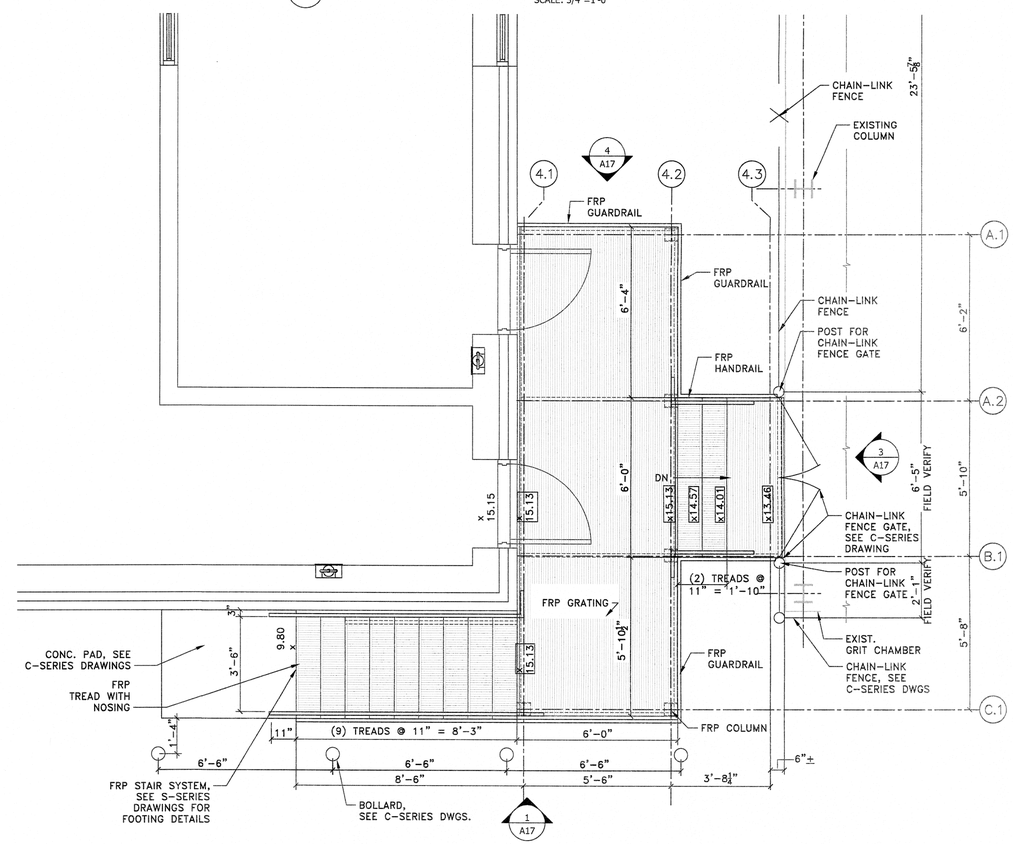
FRP STAIRS, GRATINGS, DECKING AND STRUCTURAL SUPPORTS NOTES:

1. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY FOR ALL FRP FABRICATIONS.
2. DETAILS SHOWN ARE BY FIBERGRATE COMPOSITE STRUCTURES, CONTRACTOR SHALL PROVIDE FRP STAIR SYSTEM, FRP GUARDRAILS AND HANDRAIL SYSTEM, FRP GRATING AND DECKING INCLUDING STRUCTURAL SUPPORTING MEMBERS PER FIBERGRATE COMPOSITE STRUCTURES OR APPROVED EQUAL.
3. DIMENSIONS SHOWN ARE FOR BID PURPOSES ONLY, CONTRACTOR SHALL FIELD MEASURE AND RECORD ALL DIMENSIONS AND FEATURES OF EXISTING GRIT CHAMBER AND COORDINATE BOTH LOCATIONS AND DIMENSIONS OF ALL EQUIPMENT TO REMAIN AS WELL AS PROPOSED EQUIPMENT THEN PROVIDE PROPOSED FRP STRUCTURES TO FIT. PRIOR TO ORDERING FRP STRUCTURES, CONTRACTOR SHALL SUBMIT DRAWINGS OF LAYOUT AND DETAILS INCORPORATING ALL FIELD DIMENSIONS REQUIRED FOR PROPER FIT.
4. FRP FABRICATIONS SHALL INCLUDE ALL FRAMING AND CONNECTIONS NECESSARY FOR THEIR SUPPORT. WHERE THERE ARE HATCHES, COVERS OR OPENINGS TO ACCOMMODATE MECHANICAL, PROCESS OR ELECTRICAL EQUIPMENT IN THE GRATING OR DECKING, SUPPLEMENTAL FRP FRAMING WILL BE PROVIDED TO PREVENT EXCESS DEFLECTION OR OVERSTRESSING OF GRATING OR DECKING.
5. SEE S-SERIES DRAWINGS FOR LIVE LOADS. MAXIMUM DEFLECTION IF L/120 OR 3/8" WHICHEVER IS GREATER.
6. THE FRP PLATFORMS AND STAIRS LEADING TO THE GRIT CLASSIFER BUILDING AND GRIT CHAMBER SHALL BE PROVIDED WITH ADJUSTABLE PEDESTALS TO MAINTAIN LEVEL IN CASE OF SOIL SETTLEMENT. THE ADJUSTABLE FRP PEDESTALS SHALL BE CAPABLE OF 2" ADJUSTMENT.
7. UNLESS NOTED OTHERWISE, ADHESIVE ANCHORS SHALL BE HILTI HIT-RE 500 WITH 316 STAINLESS STEEL THREADED ROD OR EQUAL.
8. FRP GRATING SHALL BE 2" PULTRUDED FRP GRATING WITH A NON-SLIP QUARTZ GRIT BONDED SURFACE BAKED ON THE TOP OR EQUAL.
9. FASTENERS AND HOLD CLIPS FOR THE FRP ASSEMBLIES SHALL BE 316 STAINLESS STEEL.
10. HOLD CLIPS SHALL BE PROVIDED AND SPACED AT MAXIMUM OF FOUR FEET APART WITH A MINIMUM OF FOUR PER GRATING
11. SEE S-SERIES DRAWINGS FOR FOOTING/FOUNDATION AND OTHER RELATED STRUCTURAL DETAILS
12. ALL FINISHED SURFACES OF FRP FABRICATIONS SHALL BE SMOOTH, RESIN RICH, AND FREE OF VOIDS AND WITHOUT DRY SPOTS, CRACKS, CRAZES OR UNREINFORCED AREAS. ALL GLASS FIBERS, SHOP AND FIELD CUTS AND DRILLED HOLES SHALL BE WELL COVERED WITH RESIN TO PROTECT AGAINST THEIR EXPOSURE DUE TO WEAR OR WEATHERING.



1 ELEVATION-STAIRS

SCALE: 3/4"=1'-0"



2 PLAN-STAIRS AND ENTRANCE DECK

SCALE: 3/8"=1'-0"

APPROVED:

Richard A. Alaimo
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 13195

REVISIONS	DATE	BY

RICHARD A. ALAIMO ENGINEERING COMPANY
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GRIT CHAMBER UPGRADE

GRIT CLASSIFIER BUILDING
FRP STAIRS & DECK - PLAN AND ELEVATIONS

SCALE: AS NOTED

CLIENT: WOODBRIDGE TOWNSHIP

PROJECT LOCATION: WOOBRIDGE TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY

PROJECT NO.: B-0726-0023-000

CONTRACT NO.: 1230

DATE: APRIL 2017
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY:
DEPT. HEAD:

SHEET A17

FILE NO.:

Plotted: 4/10/2017 2:53 PM Last saved: 4/10/2017 2:53 PM File Name: K:\Projects\B0726002300\Drawings\Cdy-A17_Stair_details.dwg