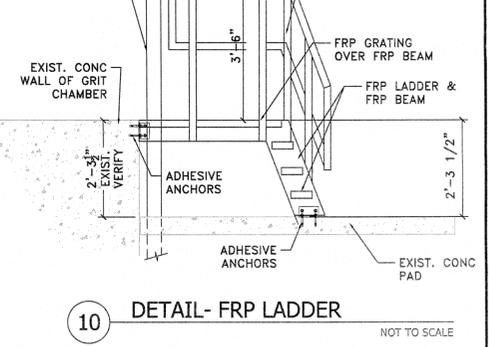
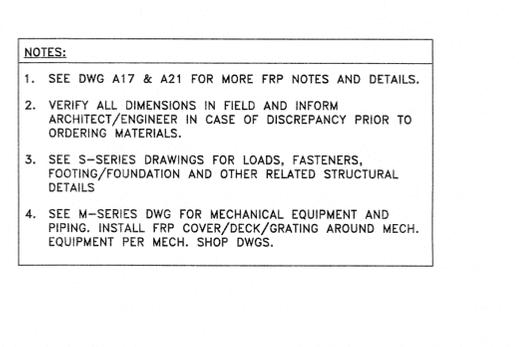
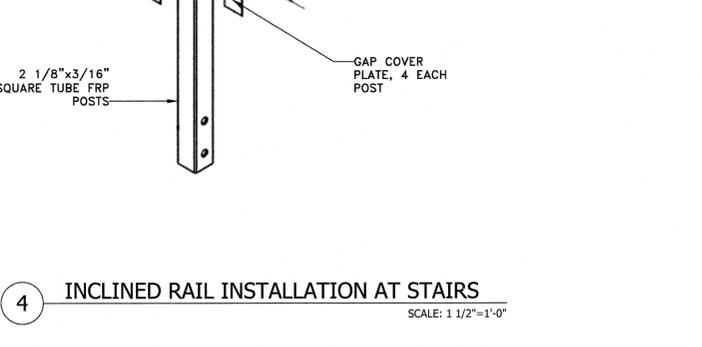
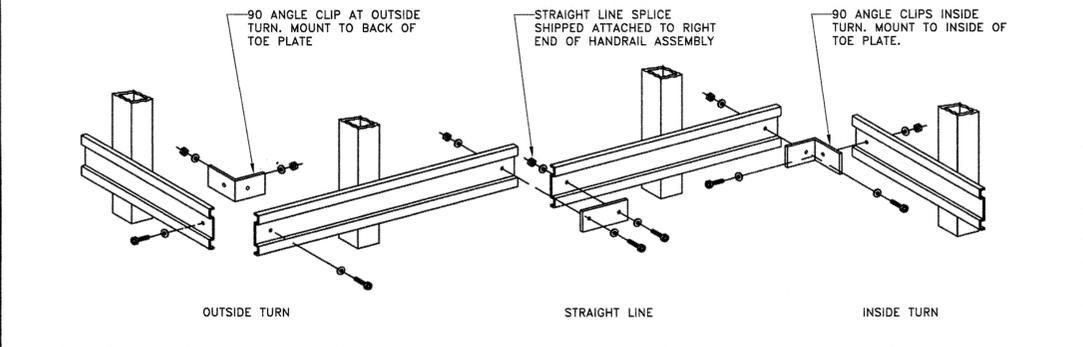
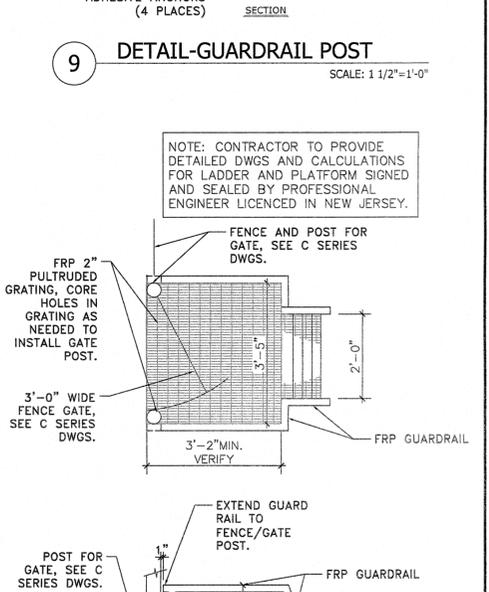
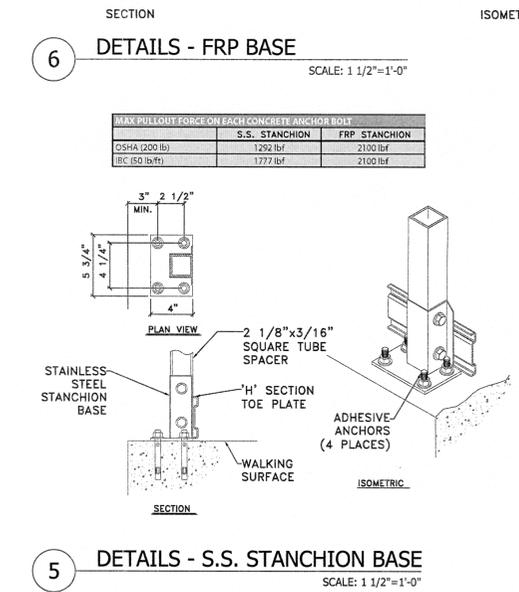
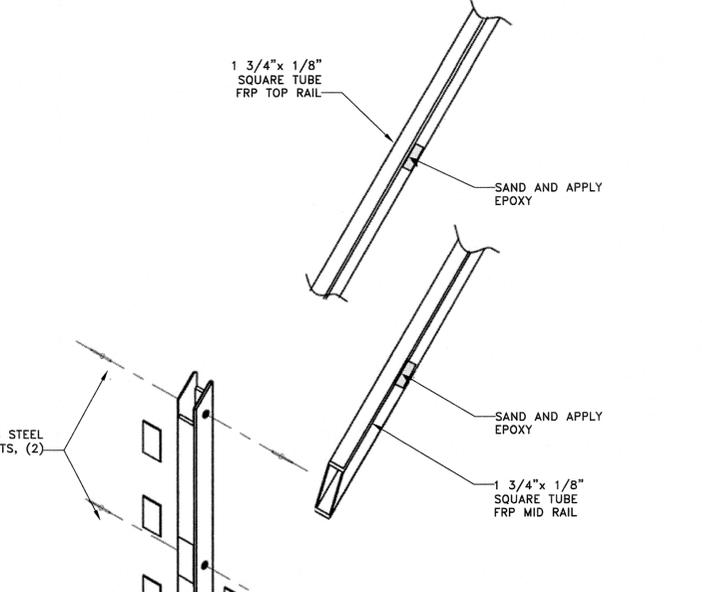
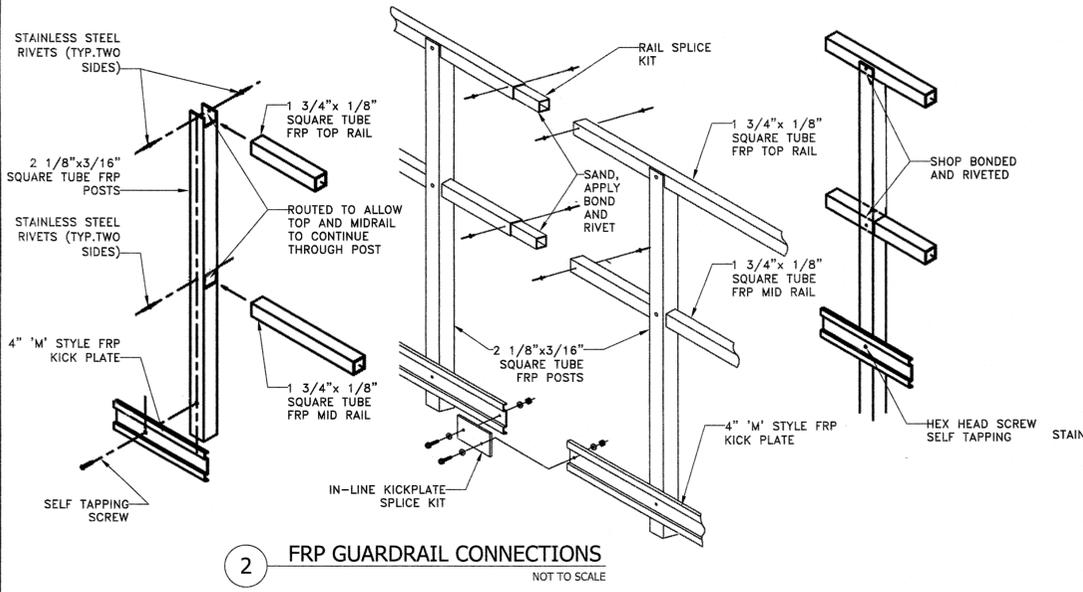
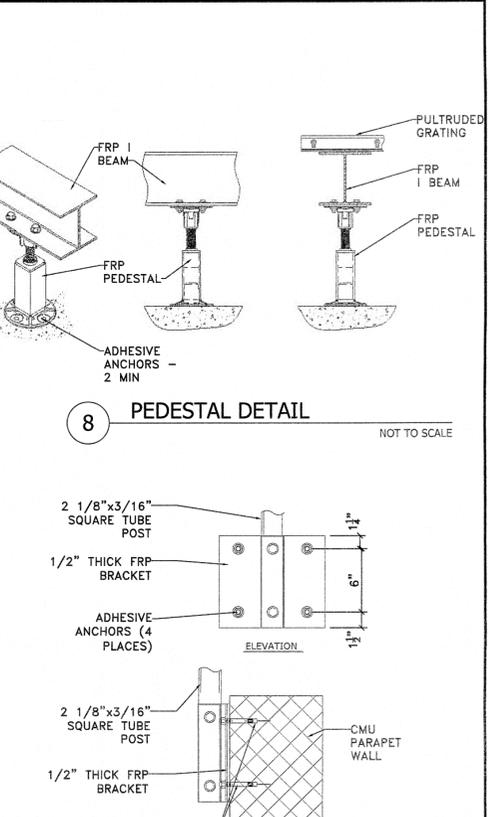
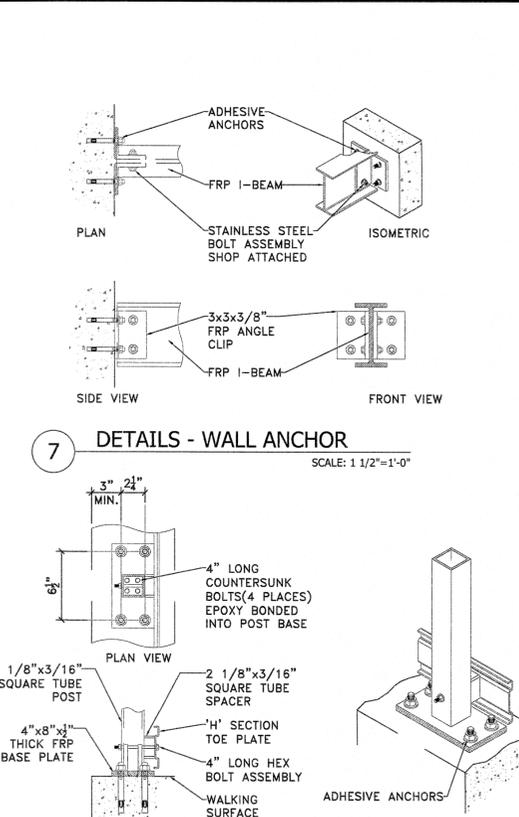
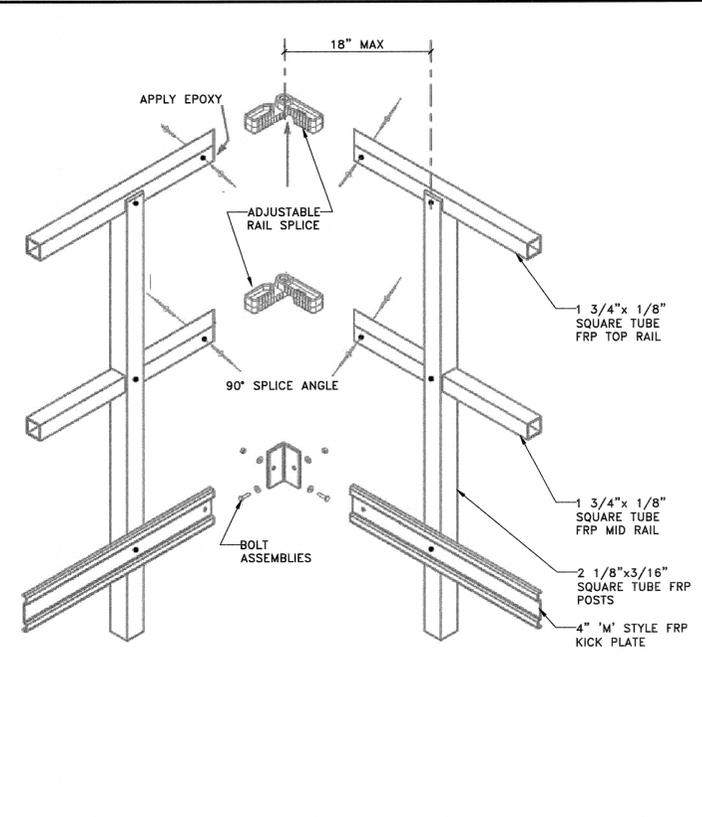
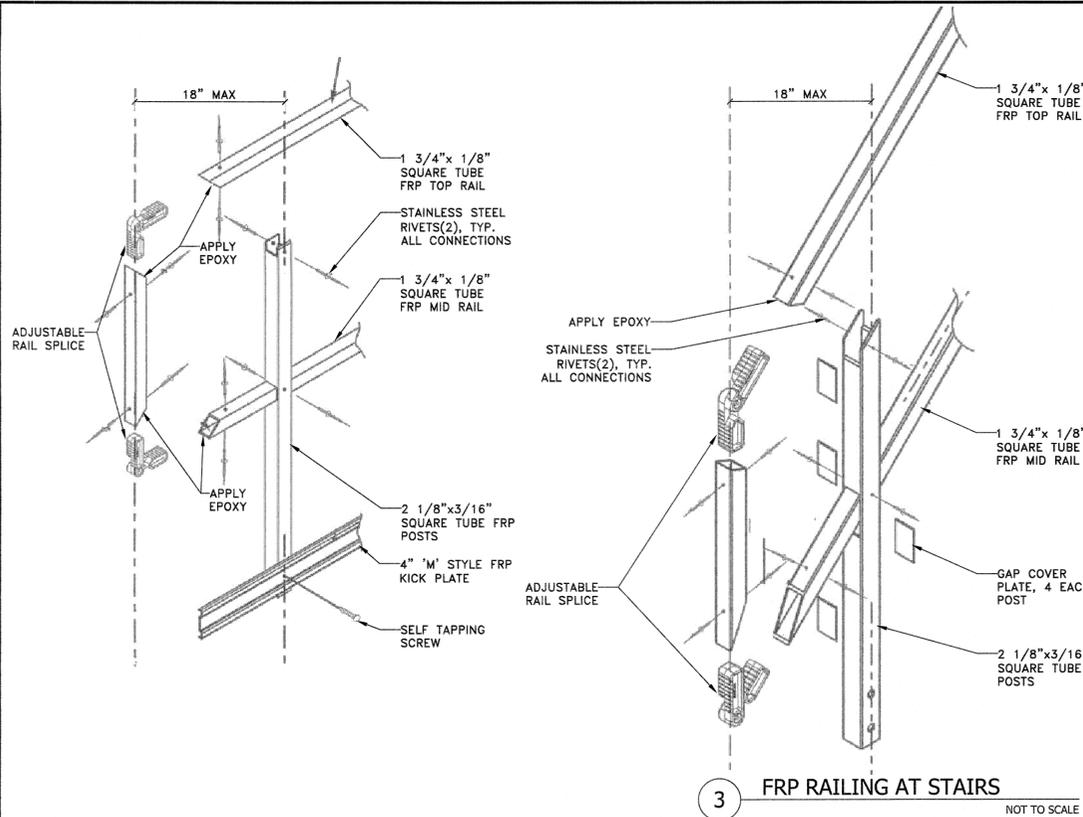
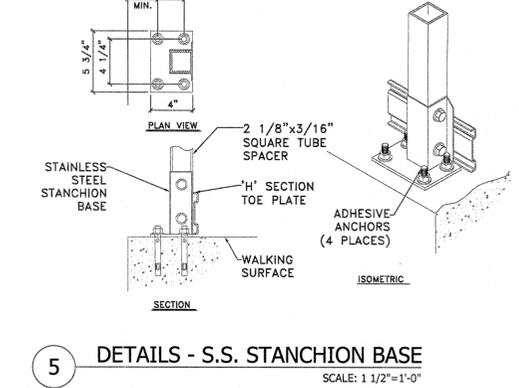


Plotted: 4/10/2017 2:56 PM File Name: K:\Projects\80726023000\Drawings\Edy-2017\_detailed.dwg  
 User: rj...  
 Last saved: 1/12/2017 3:38 PM



MAX PULLOUT FORCE ON EACH CONCRETE ANCHOR BOLT		
	S.S. STANCHION	FRP STANCHION
OSHA (200 lbf)	1250 lbf	2100 lbf
IBC (50 lbf/ft)	1772 lbf	2100 lbf



- NOTES:**
- SEE DWG A17 & A21 FOR MORE FRP NOTES AND DETAILS.
  - VERIFY ALL DIMENSIONS IN FIELD AND INFORM ARCHITECT/ENGINEER IN CASE OF DISCREPANCY PRIOR TO ORDERING MATERIALS.
  - SEE S-SERIES DRAWINGS FOR LOADS, FASTENERS, FOOTING/FOUNDATION AND OTHER RELATED STRUCTURAL DETAILS.
  - SEE M-SERIES DWG FOR MECHANICAL EQUIPMENT AND PIPING. INSTALL FRP COVER/DECK/GRATING AROUND MECH. EQUIPMENT PER MECH. SHOP DWGS.

NOTE: CONTRACTOR TO PROVIDE DETAILED DWGS AND CALCULATIONS FOR LADDER AND PLATFORM SIGNED AND SEALED BY PROFESSIONAL ENGINEER LICENCED IN NEW JERSEY.

APPROVED:  <b>Richard A. Alaimo</b> PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 13195	REVISIONS DATE BY	 <b>RICHARD A. ALAIMO ENGINEERING COMPANY</b> Consulting Engineers NJCA 24GA27988800 200 HIGH STREET MOUNT HOLLY, N.J. 2 MARKET STREET PATERSON, N.J.	GRIT CHAMBER UPGRADE FRP GUARD RAIL, HANDRAIL DETAILS AT STAIRS & GRATINGS SCALE: AS NOTED	CLIENT: <b>WOODBIDGE TOWNSHIP</b> PROJECT LOCATION: WOODBIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY	DATE: <b>APRIL 2017</b> DESIGNED BY: <b>AA</b> DRAWN BY: <b>AA</b> CHECKED BY: <b>AA</b> DEPT. HEAD: <b>AA</b>	SHEET <b>A20</b> FILE NO.:
	PROJECT NO.: <b>B-0726-0023-000</b> CONTRACT NO.: <b>1230</b>		PROJECT LOCATION: WOODBIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY	SCALE: AS NOTED	SHEET <b>A20</b> FILE NO.:	