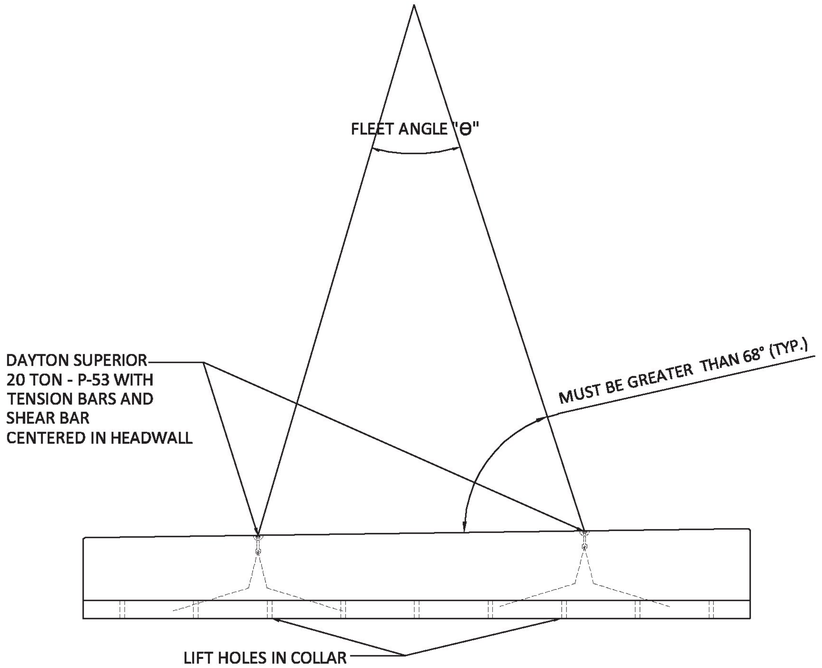
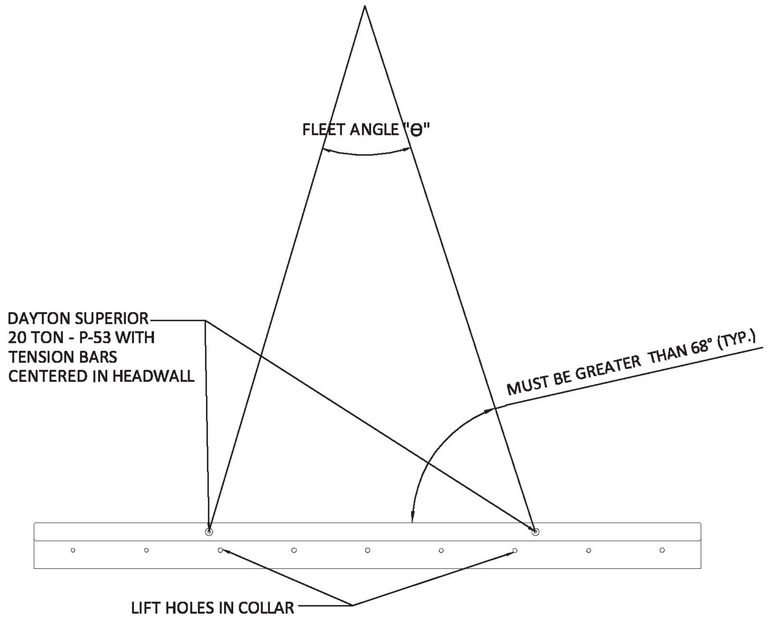


FORM PLAN / IN-PLACE ELEVATION



FORM ELEVATION / IN-PLACE PLAN

PRECAST HEADWALL

ASSUMPTIONS:
1. ANY REINFORCING CUT FOR ANCHOR PLACEMENT MUST BE REPLACED PER ENGINEERS RECOMMENDATION.
2. CRANE IS STATIONARY AND WILL NOT EXERT IMPACT LOADING ON PRECAST.
3. FLEET ANGLE IS ASSUMED TO BE LESS THAN 45 DEGREES. DO NOT LIFT WITH FLEET ANGLE GREATER THAN 45 DEGREES.

MAXIMUM PIECE WEIGHT = 17.5 TONS
LOAD PER INSERT = 17.5 TONS/2 INSERTS = 8.75 TONS

SETTING LIFT:
DAYTON SUPERIOR 20 TON P-53 INSERTS = 20 TONS CAPACITY
MULTIPLICATION FACTOR "F" FOR SLING ANGLE "Θ" = 1.08
LOAD PER INSERT = 8.75 * 1.08 = 9.45 TONS < 20 TON CAPACITY O.K.

UNLOADING LIFT:
USE LIFT HOLES IN COLLAR = 20 TONS CAPACITY
MULTIPLICATION FACTOR "F" FOR SLING ANGLE "Θ" = 1.08
LOAD PER INSERT = 4.375 * 1.08 = 4.7 TONS < 20.0 TON CAPACITY O.K.

	DATE	DESCRIPTION	ENG
7			
6			
5			
4			
3			
2			
1			

POULTNEY BF 0138(12)

LOCALE: POULTNEY STATE: VT

PROVIDED BY:
UNITED CONCRETE PRODUCTS
173 CHURCH STREET
YALESVILLE, CT 06492
800.234.3119

DESIGNED BY:
PRETEK GROUP
P.O. BOX 751471
DAYTON, OH 45475
800.241.0925

PROJECT NUMBER: 18-455
DATE: 12/21/2018
DESIGNED BY: RPZ
DRAWN BY: JJC
CHECKED BY: TEN

E2