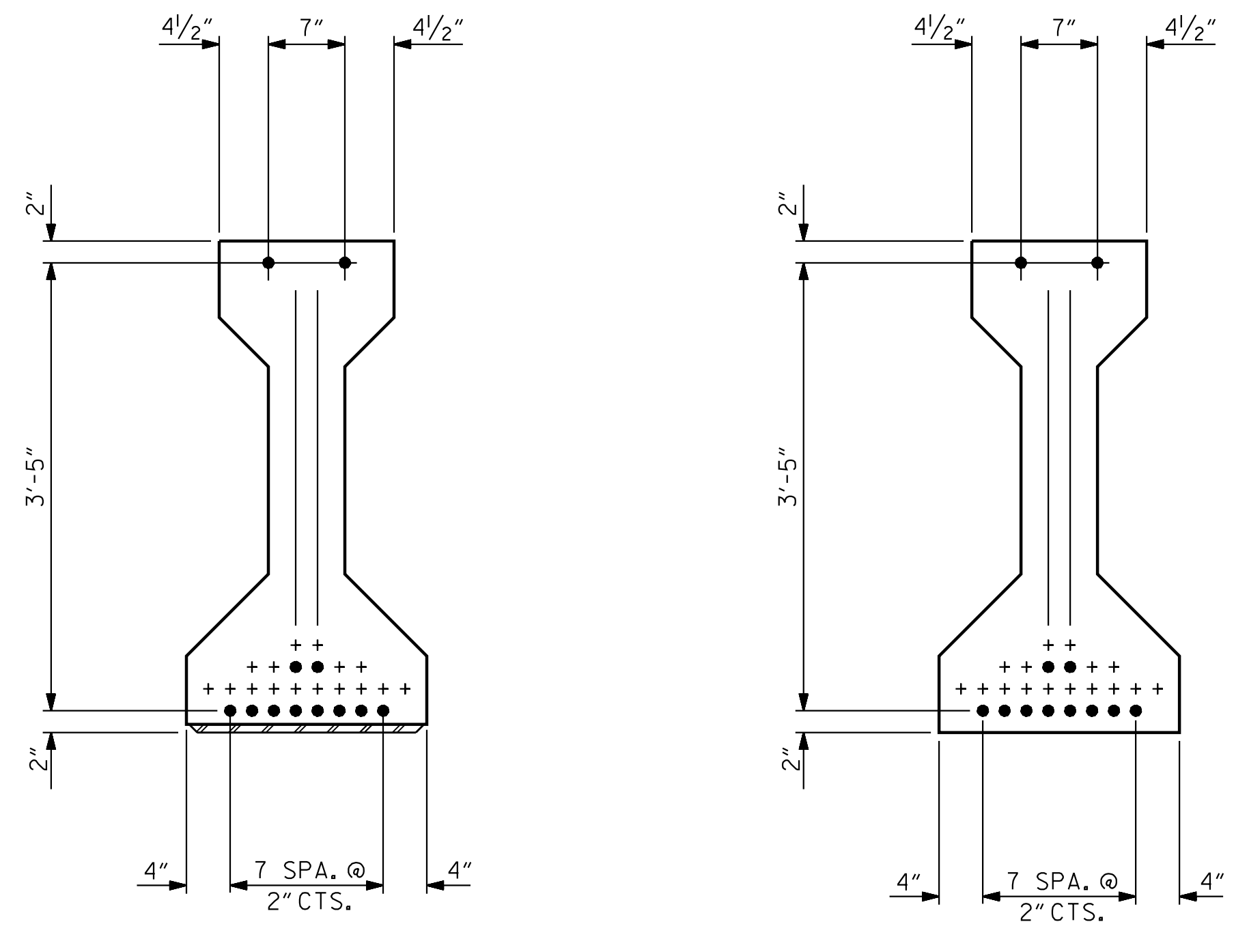
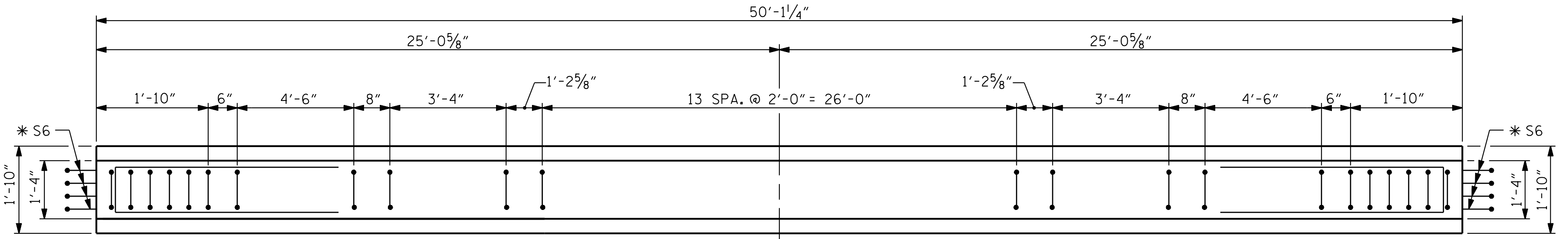


SECTION A-A SECTION B-B SECTION C-C  
(S1 BARS NOT SHOWN)

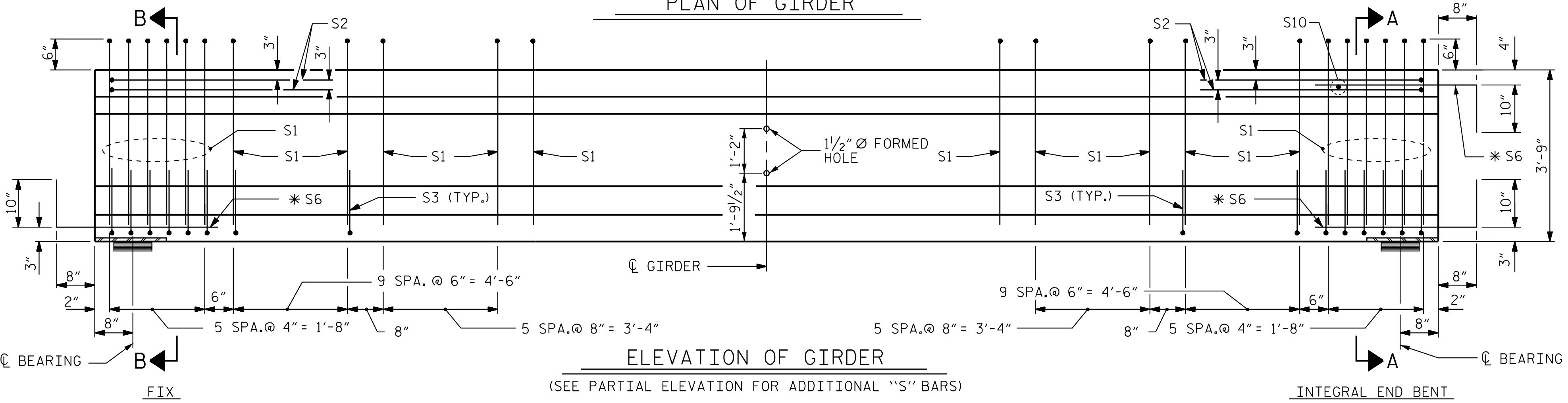
1 1/2" Ø FORMED HOLE  
(SEE FRAMING PLAN FOR LOCATION)



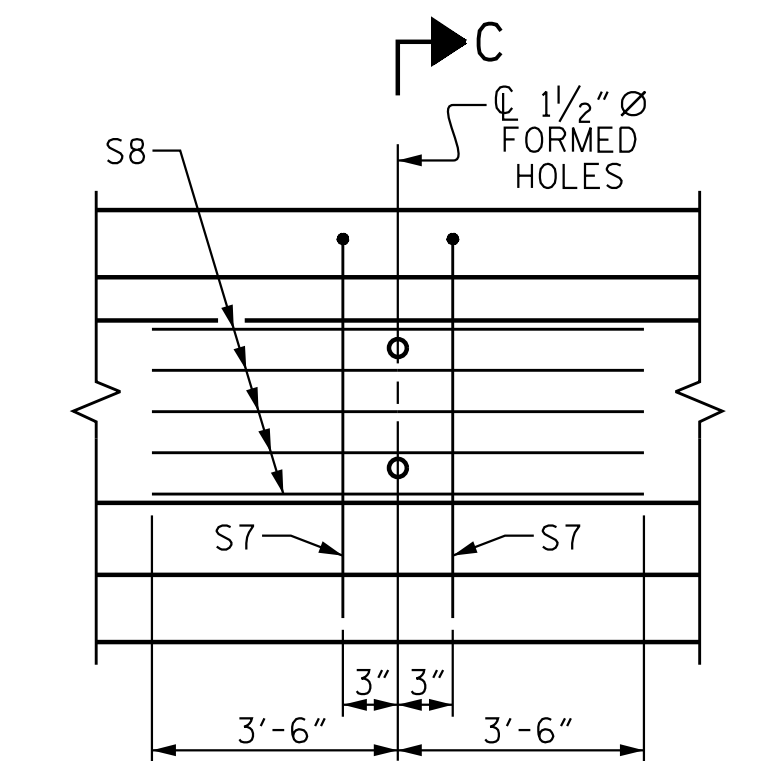
AT END OF GIRDER AT C OF GIRDER  
0.6" Ø LOW RELAXATION STRAND LAYOUT  
(12 STRANDS REQUIRED)



PLAN OF GIRDER



ELEVATION OF GIRDER  
(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)



PARTIAL ELEVATION  
SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1-7

0.6" Ø L. R. GRADE 270 STRANDS

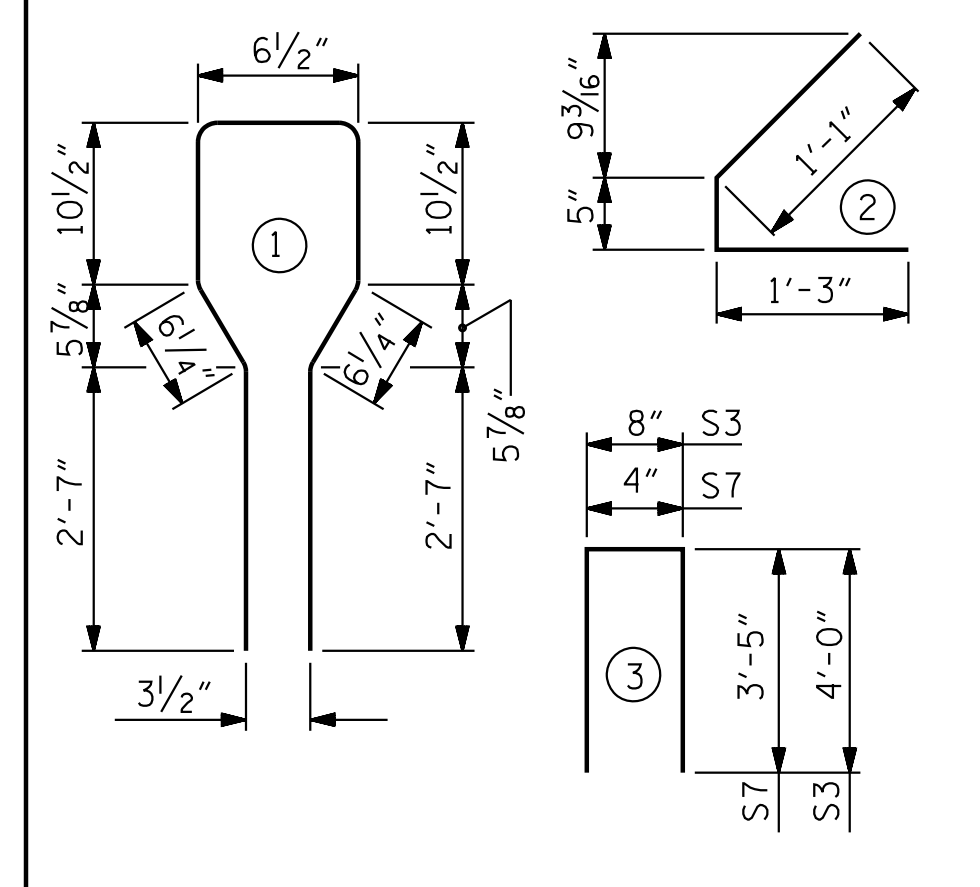
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	58	#4	1	8'-6"	330
S2	4	#4	3	8'-8"	24
S3	64	#4	2	2'-9"	118
*S6	12	#5	STR	3'-8"	46
S7	2	#5	3	7'-2"	15
S8	5	#4	STR	7'-0"	24
S10	1	#3	STR	1'-0"	1

\* NOTE: S6 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES  
ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL LB.	5,000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
ALL GIRDERS	558	7.2	12

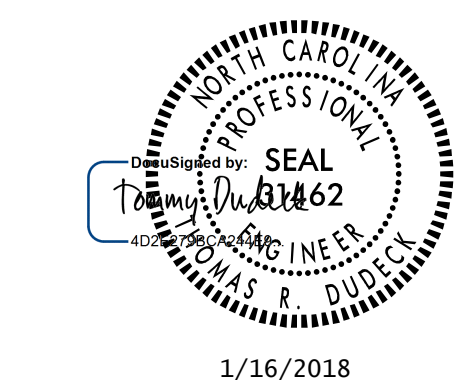
GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
7	50'-1 1/4"	350'-8 3/4"

PROJECT NO. U-2525C  
GUILFORD COUNTY  
STATION: 337+20.09 -L-  
SHEET 3 OF 4

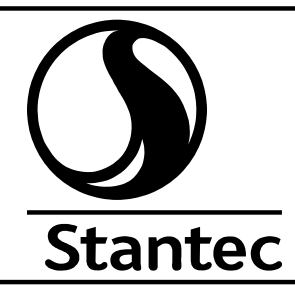
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
AASHTO TYPE III  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD  
(SPAN C)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S5-14
1			3			TOTAL SHEETS
2			4			38



1/16/2018  
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1/12/2018 5:49:07 PM jgelle U:\Structures\Drawings\Site 5\Final\RL U-2525C-SD\_PCG\_3.dgn



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www.stantec.com  
License No. F-0672

ASSEMBLED BY: J.E. HAGENBUSH DATE: 06/02/16  
CHECKED BY: V.E. FRAGA DATE: 05/18/17  
DRAWN BY: ELR 8/91  
CHECKED BY: GRP 8/91  
REV. 5/1/06R TLA/GM  
REV. 10/1/11 MAA/GM  
REV. 1/15 MAA/TMG  
DESIGN ENGINEER OF RECORD: T.R. DUDECK DATE: 01/16/18