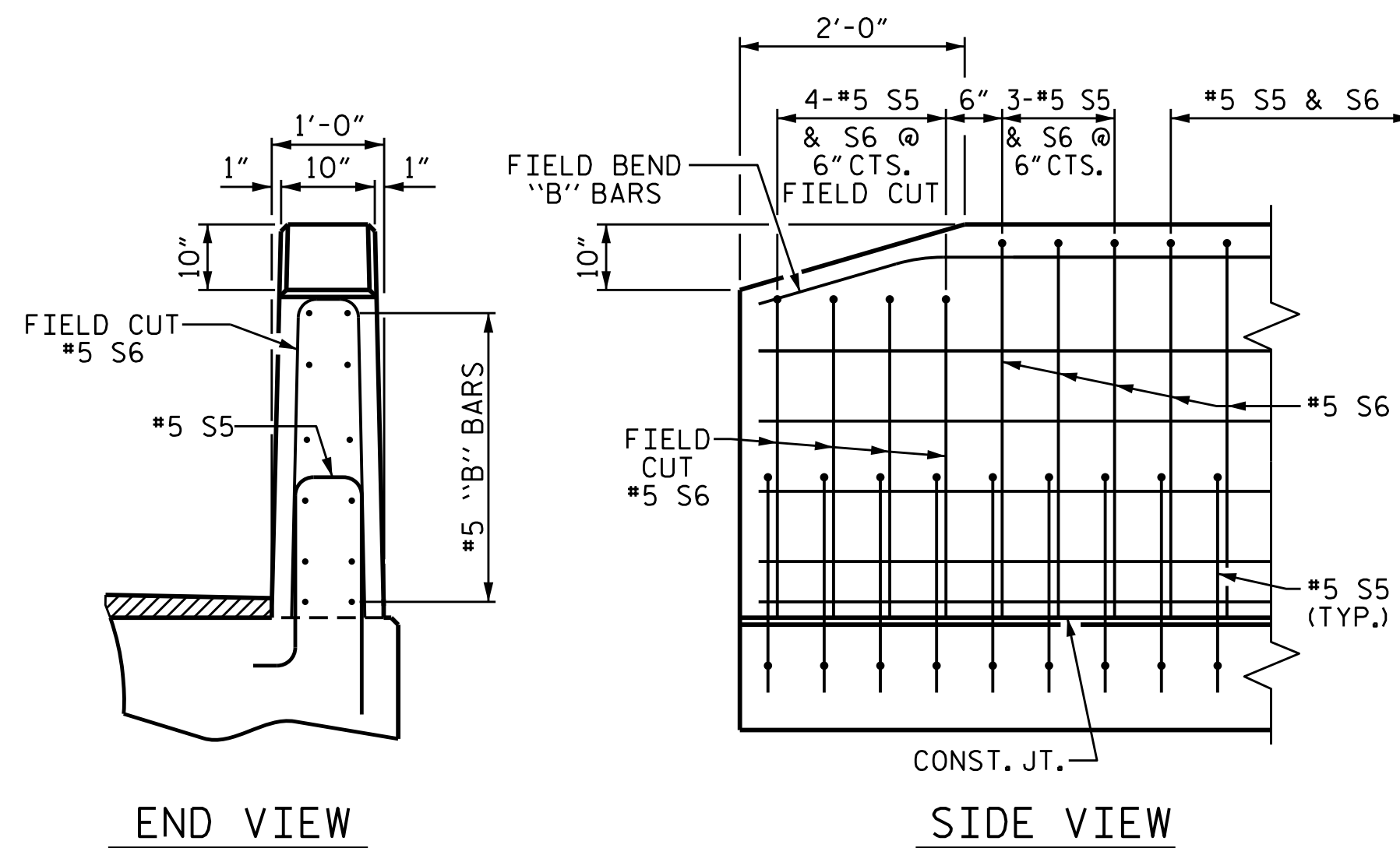


ELASTOMERIC BEARING DETAILS

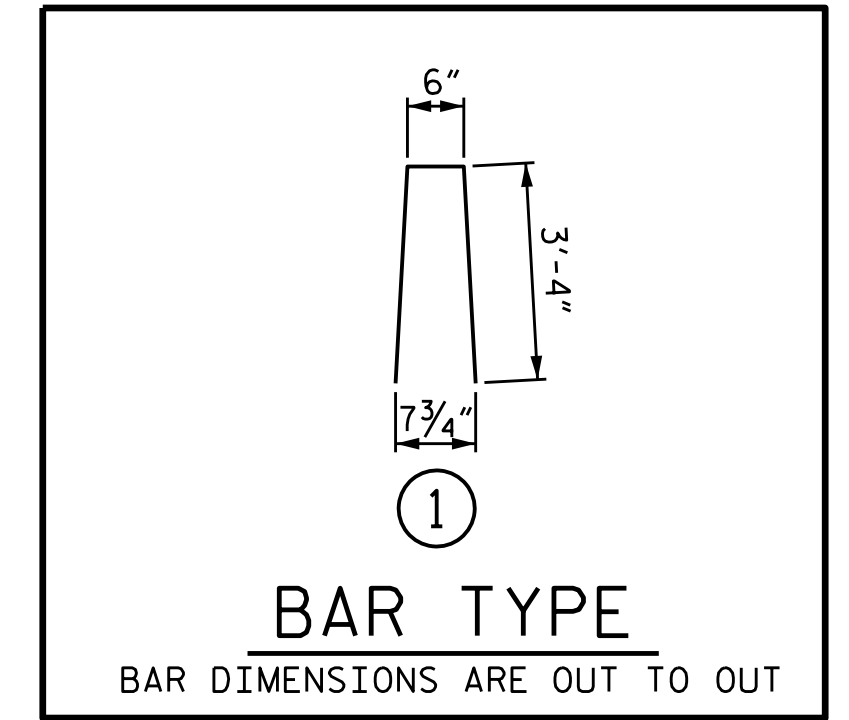
ELASTOMER IN ALL BEARINGS SHALL BE 60 DUROMETER HARDNESS.



END VIEW SIDE VIEW
END OF RAIL DETAILS

BOX BEAM UNITS REQUIRED

	NUMBER	LENGTH	TOTAL LENGTH
EXTERIOR B.B.	2	70'-0"	140'-0"
	2	100'-0"	200'-0"
	2	40'-0"	80'-0"
INTERIOR B.B.	9	70'-0"	630'-0"
	9	100'-0"	900'-0"
	9	40'-0"	360'-0"
TOTAL	33		2310'-0"



BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL

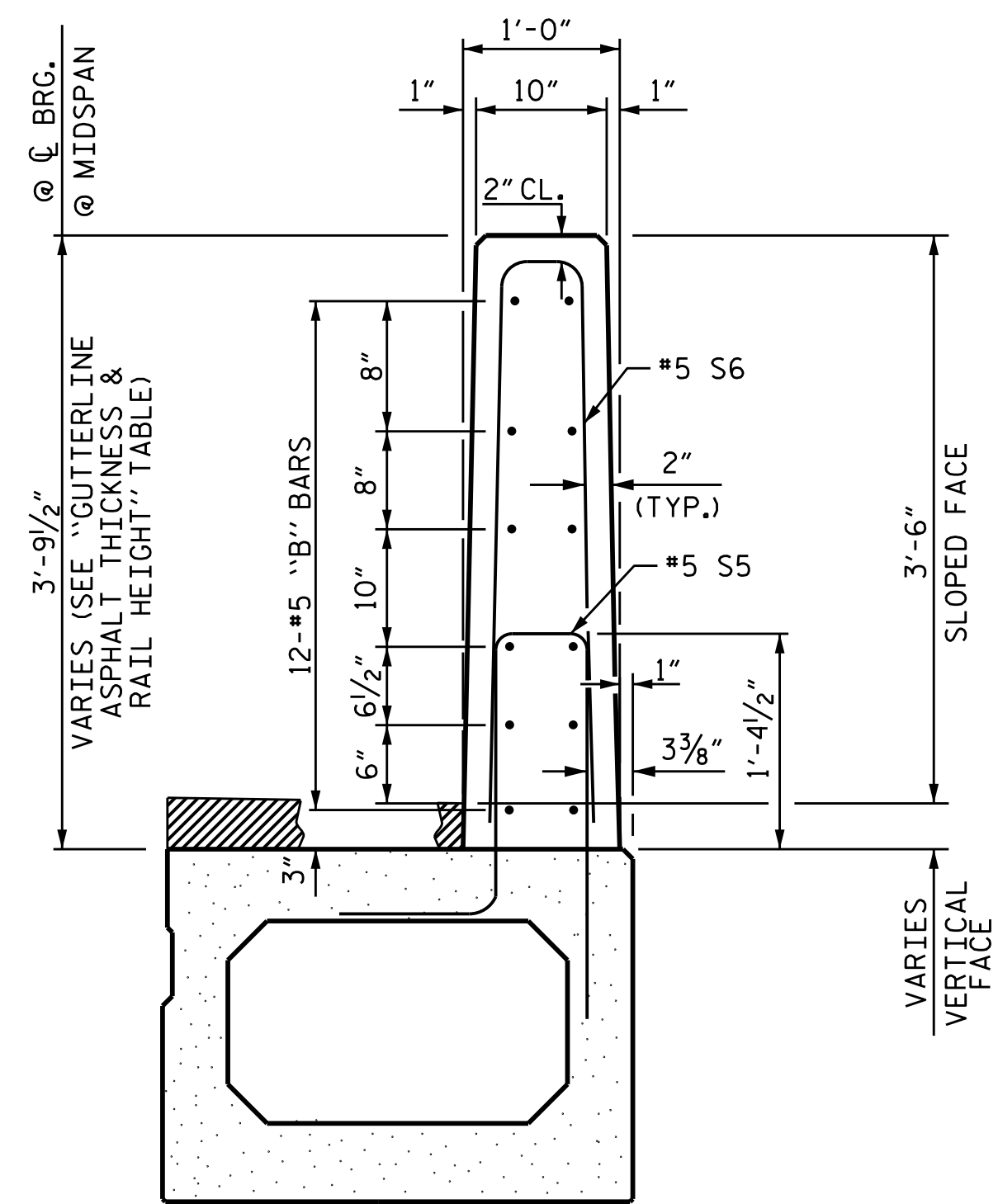
BAR	BARS PER PAIR OF EXTERIOR UNITS 70' UNIT	SIZE	TYPE	LENGTH	WEIGHT
*B11	144	#5	STR	13'-6"	2028
*S6	188	#5	1	7'-2"	1405
* EPOXY COATED REINFORCING STEEL				LBS.	3433
CLASS AA CONCRETE				CU.YDS.	18.2
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.	140.0

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL

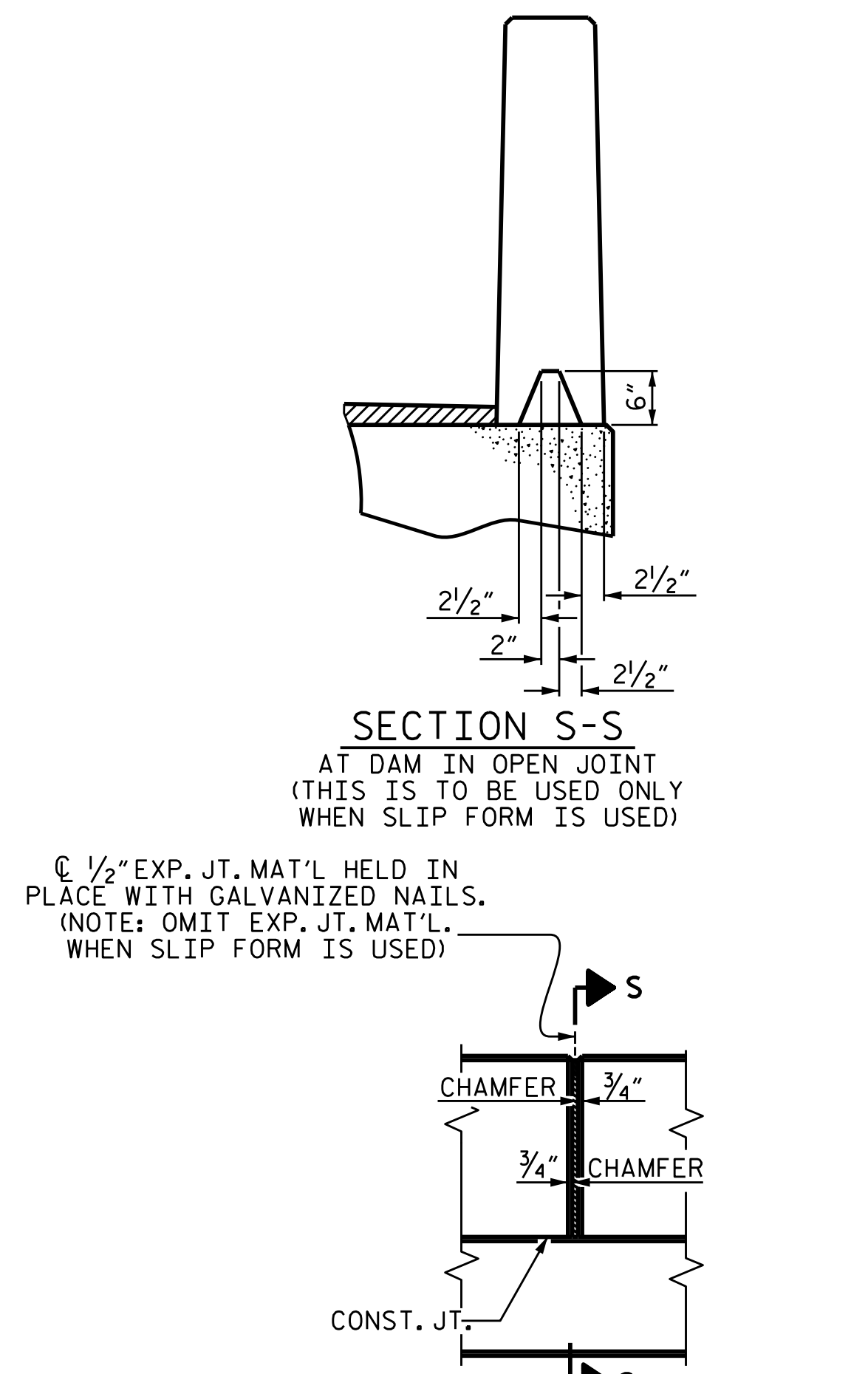
BAR	BARS PER PAIR OF EXTERIOR UNITS 100' UNIT	SIZE	TYPE	LENGTH	WEIGHT
*B12	192	#5	STR	14'-3"	2854
*S6	268	#5	1	7'-2"	2003
* EPOXY COATED REINFORCING STEEL				LBS.	4857
CLASS AA CONCRETE				CU.YDS.	25.9
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.	200.0

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL

BAR	BARS PER PAIR OF EXTERIOR UNITS 40' UNIT	SIZE	TYPE	LENGTH	WEIGHT
*B13	96	#5	STR	11'-9"	1177
*S6	108	#5	1	7'-2"	807
* EPOXY COATED REINFORCING STEEL				LBS.	1984
CLASS AA CONCRETE				CU.YDS.	10.4
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.	80.0



SECTION THRU RAIL



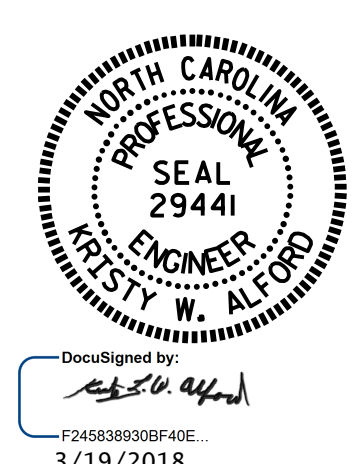
SECTION S-S
AT DAM IN OPEN JOINT
(THIS IS TO BE USED ONLY
WHEN SLIP FORM IS USED)
1/2" EXP. JT. MAT'L HELD IN
PLACE WITH GALVANIZED NAILS.
(NOTE: OMIT EXP. JT. MAT'L
WHEN SLIP FORM IS USED)

GUTTERLINE ASPHALT THICKNESS & RAIL HEIGHT

	ASPHALT OVERLAY THICKNESS @ MID-SPAN	RAIL HEIGHT @ MID-SPAN
70' UNITS	3 5/16"	3'-9 1/16"
100' UNITS	2 3/8"	3'-8 3/8"
40' UNITS	3/8"	3'-9 1/8"

PROJECT NO. B-5320
GRANVILLE COUNTY
STATION: 15+98.00 -L-

SHEET 9 OF 9



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
3'-0" X 3'-3"
PRESTRESSED CONCRETE
BOX BEAM UNIT

ASSEMBLED BY : M. A. LESHURE	DATE : 1/4/18
CHECKED BY : R. L. CHESSON	DATE : 1/18
DRAWN BY : DGE 10/11	REV. 4/15
CHECKED BY : TMG 11/11	MAA/TMG

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 26