FED ROAD REGION NO	STATE	PROJECT NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
1	VT	S0167(3)	POST WAR	1	104

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

FEDERAL AID SECONDARY PROJECT

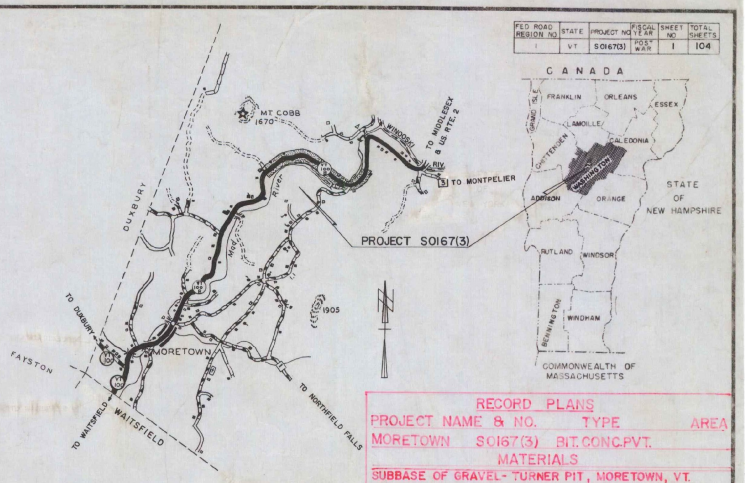
TOWN OF MORETOWN
COUNTY OF WASHINGTON
VERMONT ROUTE # 100-B
MORETOWN - MIDDLESEX ROAD

BEGINNING AT A POINT APPROXIMATELY 3.5 MILES SOUTHWESTERLY OF THE MORETOWN - MIDDLESEX TOWN LINE AND EXTENDING EASTERLY 1.894 MILES.

LENGTH OF ROADWAY — 9,692.75 FEET = 1.836 MILES
LENGTH OF BRIDGE — 307.25 FEET = 0.058 MILES
LENGTH OF PROJECT — 10,000.00 FEET = 1.894 MILES

INDEX OF SHEETS

NO	
1	TITLE PAGE
2	TYPICAL CROSS-SECTION OF IMPROVEMENT (1 1/2" BITUMINOUS CONCRETE PAVEMENT (MOD))
3-4	QUANTITY SHEETS
5	ITEM DETAIL AND DRAINAGE SHEET
6-9	EARTHWORK SHEETS
10	RIGHT-OF-WAY DETAIL SHEET
11-18	PLAN AND PROFILE SHEETS
19	A-61 (TYPICAL FOR SOLID ROCK EXCAVATION)
20	B-1 (BANKING TABLES)
21	B-5 (TYPICAL SLOPE GRADING)
22	B-6 (MUCK EXCAVATION)
23	B-10 (EMBANKMENT ON A SLOPE)
24	B-11 (SLOPE STABILIZATION)
25	C-1 (CURBS)
26	D-2 (HEADWALLS, UNDERDRAIN)
27	D-3 (TREATED GUTTERS)
28	D-4 (FLUSHING BASINS AND ELBOWS)
29	D-8 (R.C. DROP INLETS)
30	D-16 (DROP INLET TYPE III)
31	E-1 (BARRICADES, SIGNS, AND LIGHTS)
32	E-31 (FED. AID CONSTRUCTION IDENTIFICATION SIGNS)
33	G-3 (THREE CABLE GUARD RAIL WITH STEEL POSTS)
34	G-3A (DEAD END ANCHORAGE)
35	G-4 (MARKER POSTS, GUIDE POSTS, PLANK GUARD RAIL)
36	J-1 (PROJECT MARKERS)
37	SCB-D1-65
38	SCB-D4-65
39	SCB-D6-65
40	SB-R1-64 (ALUMINUM BRIDGE RAILING DETAILS, SHEET 1)
41	SB-R1-64 (ALUMINUM BRIDGE RAILING DETAILS, SHEET 2)
42	SB-R2-65
43-45	PA SERIES (PIPE ARCH AT STATION 216+14)
46-67	BR100 SERIES (BRIDGE AT STATION 290+51.35 TO 293+58.60)
68-103	CROSS SECTIONS
104	BANKING TRANSITION DIAGRAMS

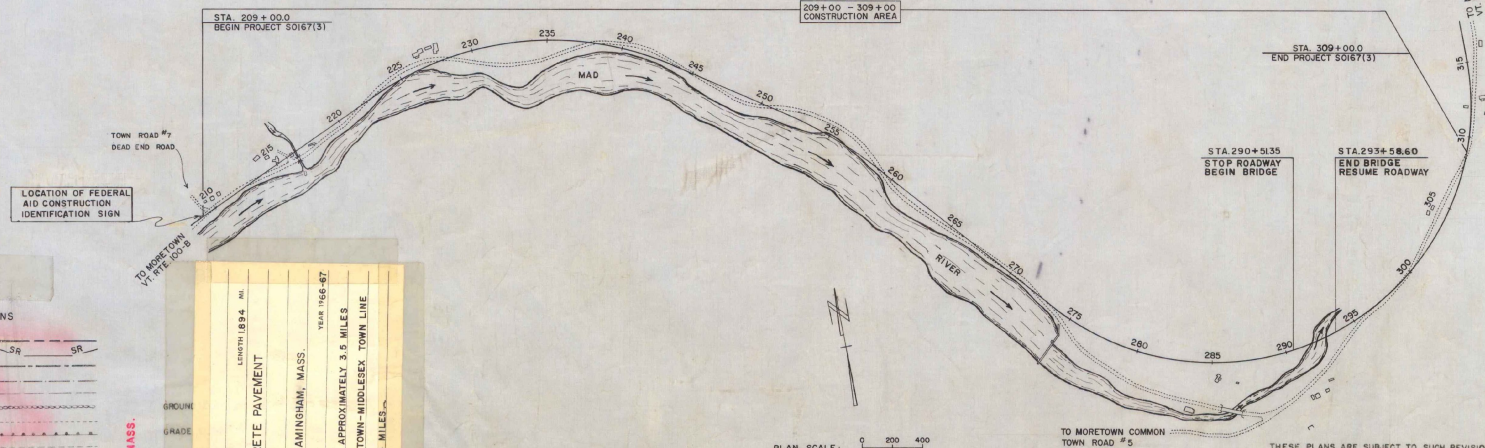


MORETOWN
SCALE 0 0.5 1 MI.

NOTE: FOR RIGHT-OF-WAY DETAILS SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT.
BENCH MARK DATA BASED ON U.S.G.S. ELEVATIONS

1965 ADT	1250
1985 ADT	2580
1985 DHV	400
V	50 MPH
D	62%
T	5%

209+00 — 309+00 CONSTRUCTION AREA



RECORD PLANS

PROJECT NAME & NO.	TYPE	AREA
MORETOWN S0167(3)	BIT.CONC.PVT.	

MATERIALS

SUBBASE OF GRAVEL - TURNER PIT, MORETOWN, VT.
ASPHALT - HUMBLE OIL CO. - EVERETT, MASS.
REFINED TAR - HUGGINS TAR PRODUCTS, MALDEN, MASS.
PEASTONE & GRITS - DEMERS QUARRY, BURLINGTON, VT.
TAR EMULSION - TECH CHEMICAL CO., CHESHIRE, CONN.
BITUMINOUS CONCRETE - L.M. PIKE, WILLISTON, VT.
JOINT SEALER, PREFORMED - D.S. BROWN CO., BALTIMORE, O.
JOINT SEALER, 'HOT POURED' - DEWEY & ALMY CHEMICAL DIV., W.R. GRACE & CO., CAMBRIDGE, MASS
REINFORCING, STRUCTURAL STEEL - BETHLEHEM STEEL CORP., ALBANY, N.Y.
METAL CULVERT PIPES - NORTHEASTERN CULVERT CORP., WESTMINSTER, MASS.
CONC. PIPES, D.I.'S, GUARD RAIL ITEMS - ST. GRISWOLD & CO., INC., ESSEX JCT., VT.
CONC. CLASS 'AA', & 'B' - A.G. ANDERSON, WATERBURY, VT.
WATER REPELLENT - KIBBY EQUIPMENT, INC., WHITE R. JCT., VT.
PAINT - AMSTERDAM COLOR WORKS, NY, NY.
PAINT WATERPROOFING - A. WHITCOMB, KEENE, N.H.
BRIDGE RAILING - WARD WELLER CO., INC., NATICK, MASS.

CONTRACTOR - PERINI CORP. FRAMINGHAM, MASS.	CONTRACT DATED - NOV. 10, 1966
RESIDENT ENGR. - C.J. CROSSETT	BEGUN - NOV. 21, 1966
RECORD PLANS BY P.W.	COMPL. & ACCEPTED 10/7/67

CONVENTIONAL SIGNS

RIGHT-OF-WAY ..... SR SR
SLOPE RIGHTS .....
COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER LINE
SURVEY LINE
CULVERT
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE POLE
TREES
HEDGE

MORETOWN S 0167(3)
CONTRACTOR - PERINI, CORP. FRAMINGHAM, MASS.
CONSTR. COMPLETED - 10/7/67
RECORD PLANS BY P.W.

PROJECT MORETOWN
NUMBER S. 0167(3) LENGTH 1.894 MI.
TYPE BITUMINOUS CONCRETE PAVEMENT
CONTRACTOR PERINI CORP., FRAMINGHAM, MASS. YEAR 1966-67
LOCATION BEGINNING AT A POINT APPROXIMATELY 3.5 MILES SOUTHEASTERLY OF THE MORETOWN-MIDDLESEX TOWN LINE AND EXTENDING EASTERLY 1.894 MILES.

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, DATED APRIL 1964, AS APPROVED BY THE BUREAU OF PUBLIC ROADS ON OCTOBER 12, 1964, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

NOTE: ANY PERTINENT INFORMATION CONCERNING FINAL QUANTITIES RELATIVE TO THIS PROJECT WILL BE EITHER SHOWN ON THE PLANS OR FURNISHED BY THE RESIDENT ENGINEER.

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED
DIVISION ENGINEER DATE

APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED		
ASST. CHIEF ENGINEER	SECONDARY ENGINEER	CONSTRUCTION ENGINEER	BRIDGE ENGINEER	DISTRICT ENGINEER	HIGHWAY ENGINEER	CHIEF ENGINEER			
DATE 5/25/64	DATE 5/21/64	DATE 5/23/64	DATE 5/21/64	DATE 5/25/64	DATE 5/21/64	DATE 5/21/64	SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD	PROJECT S NO. 0167(3)	
								SHEET 1 OF 104 SHEETS	

74

INDEX OF SHEETS

NO.	
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STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

FEDERAL AID SECONDARY PROJECT

TOWN OF MORETOWN
COUNTY OF WASHINGTON
VERMONT ROUTE # 100-B
MORETOWN-MIDDLESEX ROAD

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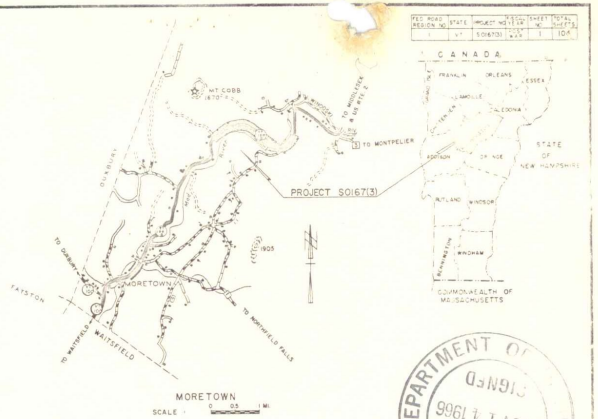
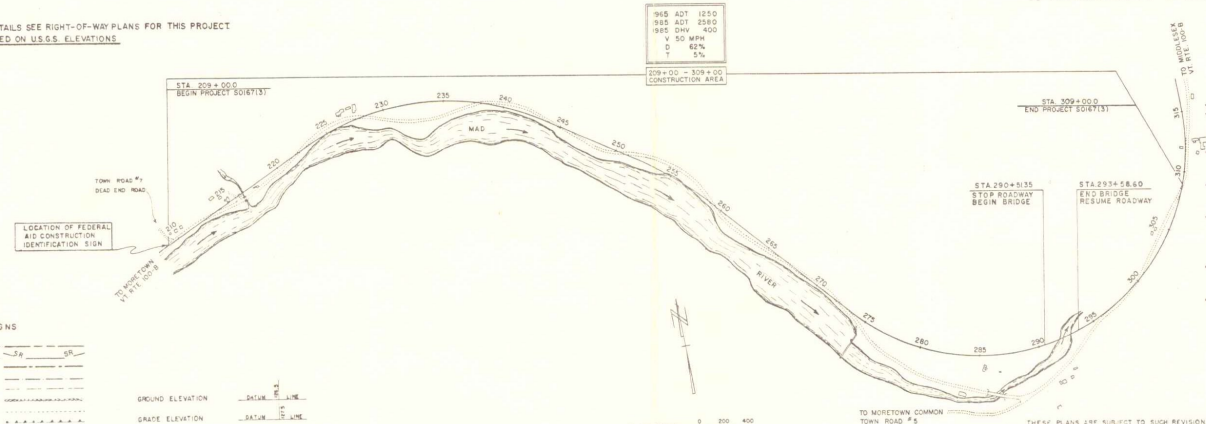


THESE PLANS HAVE BEEN REDUCED PHOTOGRAPHICALLY TO APPROXIMATELY 1/2 SCALE

DEPARTMENT OF HIGHWAYS CONTRACT PLANS NOV 1 1966 VERMONT

NOTE: FOR RIGHT-OF-WAY DETAILS SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT
BENCH MARK DATA BASED ON U.S.G.S. ELEVATIONS



CONVENTIONAL SIGNS

RIGHT-OF-WAY ..... SR
SLOPE RIGHTS ..... SR
COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
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RAILROAD
RETAINING WALL
CENTER LINE
SURVEY LINE
CULVERT
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE POLE
TREES
HEDGE

GROUND ELEVATION ..... DATUM ℄ LINE
GRADE ELEVATION ..... DATUM ℄ LINE

CURVE DATA

DEFLECTION OF ANGLE	Δ
DEGREE OF CURVE	D
RADIUS OF CURVE	R
TANGENT DISTANCE	T
LENGTH OF CURVE	L
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	P.I.
POINT OF CURVE	P.C.
POINT OF TANGENT	P.T.
POINT ON TANGENT	POT
POINT ON SUB-TANGENT	P.O.S.T.

Dated 10 Nov 66

PERINI CORPORATION

Louis L. Capone

Louis L. Capone, Vice President
Contractor

Russell A. Holden

Commissioner of Highways

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.

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APPROVED R.A. Gendron, ASST. CHIEF ENGINEER, DATE 5/25/65	APPROVED D.W. Miller, ASSISTANT ENGINEER, DATE 5/26/65	APPROVED E.J. McSweeney, STATE ENGINEER, DATE 5/26/65	APPROVED L.M. Sons, STATE ENGINEER, DATE 5/27/65	APPROVED R.F. Taylor, DIVISION ENGINEER, DATE 5/28/65	APPROVED A.W. Lane, HIGHWAY ENGINEER, DATE 5/31/65	APPROVED A.D. Pinkham, CHIEF ENGINEER, DATE 6/1/65, SUBMITTED BY OFFICE OF THE STATE HIGHWAY BOARD

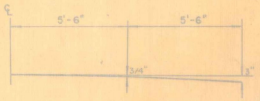
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED
DIVISION ENGINEER DATE

PROJECT S NO. 0167(3)

SHEET 1 OF 104 SHEETS

74

TYPICAL SECTIONS

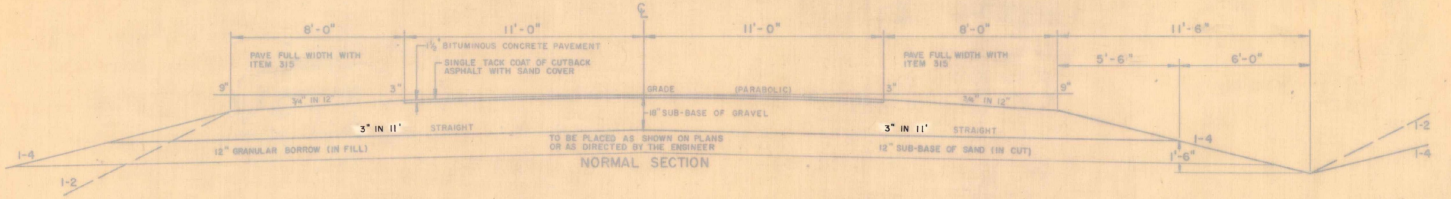


PARABOLIC DETAILS

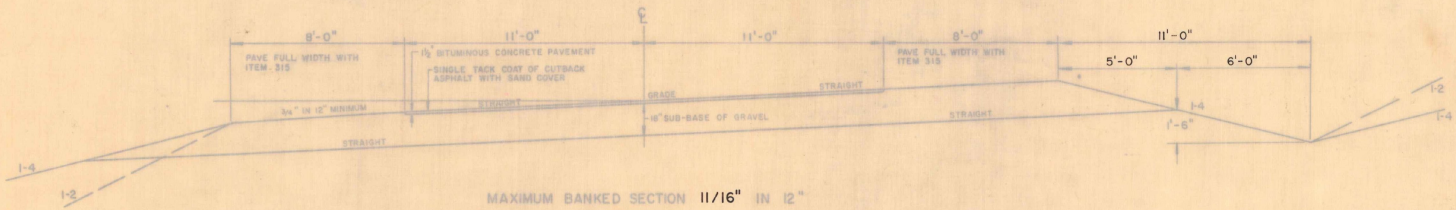
1½" BITUMINOUS CONCRETE PAVEMENT, ITEM 361 (MOD.) TYPE III
TACK COAT - TYPE III-B (SINGLE TACK COAT OF CUTBACK ASPHALT WITH SAND COVER) ITEM 316-B
TACK COAT - TYPE III (DOUBLE TACK COAT OF BITUMINOUS MATERIAL WITH PEA STONE AND STONE GRITS SEAL, PRIME COAT OF REFINED TAR AND DOUBLE SEAL COAT OF CUTBACK ASPHALT) ITEM 315

18" SUB-BASE OF GRAVEL, ITEM 201

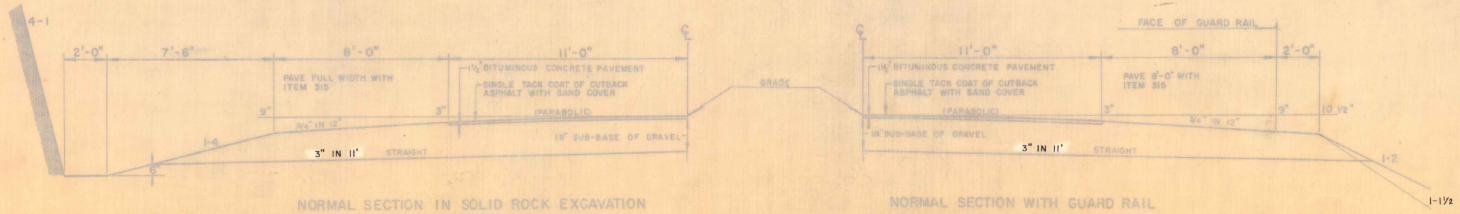
CONSTRUCTED AS DESIGNED



NORMAL SECTION



MAXIMUM BANKED SECTION 11/16" IN 12"



NORMAL SECTION IN SOLID ROCK EXCAVATION

(SEE STANDARD SHEET A-61 FOR "DRILLING AND BLASTING OF SOLID ROCK SUB-GRADE", ITEM 115)

NORMAL SECTION WITH GUARD RAIL

GENERAL NOTES

MARKER POSTS, (WOOD OR STEEL, AS SPECIFIED)
TO BE PLACED AS DIRECTED BY THE ENGINEER

SEEDING, ITEM 611
TO BE APPLIED AS DIRECTED BY THE ENGINEER

CREEPING RED FESCUE	20 LBS. PER ACRE
TALL FESCUE	6 LBS. PER ACRE
KENTUCKY BLUE GRASS	10 LBS. PER ACRE
RED TOP	5 LBS. PER ACRE
DOMESTIC RYE GRASS	10 LBS. PER ACRE
BIRDSFOOT TREFOIL	5 LBS. PER ACRE
INERT MATERIAL, WEEDS, ETC.	4 LBS. PER ACRE
TOTAL	60 LBS. PER ACRE

WINTER RYE TO BE ADMIXED TO SEEDING FORMULA AT THE RATE OF 50 LBS. PER ACRE, OR AS DIRECTED BY THE ENGINEER.

FERTILIZER, ITEM 615
FORMULA 10-20-10 TO BE USED WITH SEEDING, ITEM 611, APPLIED AT THE RATE OF 500 LBS. PER ACRE.

TOPSOIL, ITEM 621
TO BE USED WITH SEEDING, ITEM 611, IN RESIDENTIAL AREAS, AS DIRECTED BY THE ENGINEER.

MULCH, ITEM 622
TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS PER ACRE.

ALLOWABLE TOLERANCES

SURFACE COURSE	± ½"
SUB-BASE	± 1"
CONTROLLED MATERIAL	± 1"

TYPICAL SLOPE GRADING
SEE STANDARD SHEET B-5

GROUND LIMESTONE, ITEM 616 (MOD)
TO BE APPLIED AT THE RATE OF ONE TON PER ACRE OR AS DIRECTED BY THE ENGINEER.

TOWN OF MORETOWN

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

DRAWN BY: W.J.C. 1-64 | TRACED BY: W.J.C. 1-64

PROJ. S.N.H. 0167(3) | SHEET 2 OF 104

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

MORETOWN PROJECT NO. S-0167(3)

SUMMARY SHEET NO. 1 OF 2 1966

QUANTITY SHEET

APPROXIMATE SUMMARY OF QUANTITIES

R. O. W.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ROUND-ING	ITEM NO.
		1	1	L.S.	Clearing and Grubbing		101
1602		226,398	228,000	C.Y.	Common Excavation, Class I		103-A-1
		19,950	19,950	C.Y.	Solid Rock Excavation (Mod.)		103-B
		1000	1000	C.Y.	Borrow (Est)		104
		12,000	12,000	C.Y.	Granular Borrow (Est)		105
1		2949	2950	C.Y.	Trench Excavation of Earth (100%)		106-A
		250	250	C.Y.	Trench Excavation of Earth (150%)		106-A
		880	880	C.Y.	Trench Excavation of Rock (100%)		106-B
		125	125	C.Y.	Trench Excavation of Rock (150%)		106-B
		54,900	54,900	S.Y.	Fine Grading - Subgrade	22	107
	475	2825	3300	C.Y.	Unclassified Channel Excavation		108-C
	505	205	710	C.Y.	Structure Excavation	1	109
		290	290	HR.	Roadway Patrol Maintenance		110
		1300	1300	M/GAL.	Dust Control with Water (Est)		112
		9	9	TON	Dust and Ice Control with Calcium Chloride (Est)		113
	400		400	L.F.	Drilling & Blasting of Solid Rock (Est)		114
		9900	9900	S.Y.	Drilling & Blasting of Solid Rock Subgrade	47	115
		100	100	C.Y.	Muck Excavation	10	117
		1550	1550	C.Y.	Excavation and Removal of Road Surfaces and/or Pavements	15	119
		45	45	HR.	Bulldozer Rental (Est)		120
258		25,742	26,000	C.Y.	Sub-base of Gravel		201
		225	225	C.Y.	Sub-base of Gravel (150%)	25	201
		4000	4000	C.Y.	Sub-base of Sand		202
	82		82	C.Y.	Sub-base of Crushed Rock		204
2580		437,870	440,450	C.Y./MI.	Overhaul		221
		13,800	13,800	C.Y.	Gravel Backfill for Slope Stabilization (Mod)	46	222-A
		20	20	C.Y.	Gravel Backfill for Structures (Mod)	5	222-B
52		6048	6100	C.Y.	Stripping of Gravel Pits	55	223
		14,700	14,700	GAL.	Tack Coat Type III		315
		14,600	14,600	GAL.	Tack Coat Type IV-B		316-B
		487	487	GAL.	Tar Emulsion for Bridge Floors		318
		2410	2410	TON	Bituminous Concrete Pavement (Mod)		361
		40	40	L.F.	Joint Sealer - Hot Poured		372-A
	50		50	L.F.	Joint Sealer - Preformed Type A (2")		372-C
	542		542	C.Y.	Concrete Class AA		401-AA
	371	27	398	C.Y.	Concrete Class B	09	401-B
	167,395	1636	169,031	LBS.	Reinforcing Steel		402
	544,900		544,900	LBS.	Structual Steel (Welded P Girders)		404-A
	45		45	S.Y.	Asphaltic-Asbestos Coating		407
	250		250	$1.00/C.Y.	Retarding Admixture for Concrete		408
	249		249	S.Y.	Paint Waterproofing		410
		42	42	C.Y.	Cement Rubble Masonry		411
					OPTION FOR 12" PIPE		
		66	66	L.F.	12" Corr. Alum. Alloy Culv. Pipe, Ga. 16		420-D
					12" Corr. Galv. Metal Pipe, Ga. 16		423-D
					OPTION FOR 15" PIPE		
56		180	236	L.F.	15" Corr. Alum. Alloy Culv. Pipe, Ga. 16		420-F
					15" Corr. Galv. Metal Pipe, Ga. 16		423-F
					OPTION FOR 15" PIPE		
					15" Corr. Alum. Alloy Culv. Pipe, Ga. 16		420-F
44			44	L.F.	15" Reinf. Concrete Pipe, Class III		421-F
					15" Corr. Galv. Metal Pipe, Ga. 16		423-F
					OPTION FOR 15" PIPE		
					15" Corr. Alum. Alloy Culv. Pipe, Ga. 16		420-F
		50	50	L.F.	15" Reinf. Concrete Pipe, Class IV		421-F
					15" Corr. Galv. Metal Pipe, Ga. 16		423-F
					OPTION FOR 18" PIPE		
					18" Corr. Alum. Alloy Culv. Pipe, Ga. 16		420-H
		56	56	L.F.	18" Reinf. Concrete Pipe, Class III		421-H
					18" Corr. Galv. Metal Pipe, Ga. 16		423-H
		524	524	L.F.	18" Reinf. Concrete Pipe, Class III		421-H
		88	88	L.F.	18" Reinf. Concrete Pipe, Class V		421-H
	12		12	L.F.	8" Asph. Ct'd. Corr. Galv. Metal Pipe Elbow		422-B
		18	18	L.F.	12" Asph. Ct'd. Corr. Galv. Metal Pipe Elbow		422-D
	50	24	74	L.F.	8" Asph. Ct'd. Corr. Galv. Metal Pipe, Ga. 16		424-B
		202	202	L.F.	12" Asph. Ct'd. Corr. Galv. Metal Pipe, Ga. 16		424-D
		784	784	L.F.	18" Asph. Ct'd. Corr. Galv. Metal Pipe, Ga. 16		424-H
		268	268	L.F.	24" Asph. Ct'd. Corr. Galv. Metal Pipe, Ga. 16		424-K
		218	218	L.F.	24" Asph. Ct'd. Corr. Galv. Metal Pipe, Ga. 14		424-K
		114	114	L.F.	30" Asph. Ct'd. Corr. Galv. Metal Pipe, Ga. 14		424-L
		106	106	L.F.	36" Asph. Ct'd. Corr. Galv. Metal Pipe, Ga. 12		424-M
		98	98	L.F.	42" Asph. Ct'd. Corr. Galv. Metal Pipe, Ga. 12		424-N
		200	200	L.F.	Relaying Pipe Culverts (Est.)		428
		1	1	L.S.	7'-3" x 5'-3" x 84' Corr. Galv. Metal Plate Pipe Arch @ Sta. 216+14 Ga. Top 12, Bot. 10 13,808#		429-B
		176	176	L.F.	Sleeves for Water Pipes		431
	54		54	GAL.	Water Repellent		440
	1		1	L.S.	Removal of Present Superstructure		442
	1650	21,450	23,100	C.Y.	Stone Fill for Slope Protection (Heavy Type)	4	511
		37	37	C.Y.	Rip Rap (Heavy Type)		513-A
		3200	3200	L.F.	6" Perf. Corr. Galv. Metal Underdrain (Mod)		521-I-A
60		200	260	L.F.	6" Perf. Corr. Galv. Metal Pipe (Mod)		521-II-W

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COMMON EXCAVATION - CLASS I
205,812	C.Y.	Roadway
243	C.Y.	Beginning Approach
307	C.Y.	Approach @ Sta. 209+33.4
19,417	C.Y.	Approach @ Sta. 294+75 Rt.
10	C.Y.	Turnout @ Sta. 246+25 ~ 250+10 Rt.
66	C.Y.	Drives
543	C.Y.	Rounding
226,398	C.Y.	Total
		SOLID ROCK EXCAVATION
18,088	C.Y.	As Per Sections
1809	C.Y.	10% Unavoidable Overbreakage
53	C.Y.	Boulders Estimated
19,950	C.Y.	Total
		TRENCH EXCAVATION OF EARTH (100%)
1499	C.Y.	Pipe Culverts
962	C.Y.	Standard Underdrain Designed
270	C.Y.	Standard Underdrain Estimated
59	C.Y.	Sleeves For Water Pipes Designed
46	C.Y.	Sleeves For Water Pipes Estimated
98	C.Y.	Test Trenches For Item 115
15	C.Y.	Rounding
2949	C.Y.	Total
		TRENCH EXCAVATION OF EARTH (150%)
208	C.Y.	Pipe Culverts
28	C.Y.	Standard Underdrain Designed
9	C.Y.	Sleeves For Water Pipes Designed
5	C.Y.	Rounding
250	C.Y.	Total
		TRENCH EXCAVATION OF ROCK (100%)
173	C.Y.	Pipe Culverts
612	C.Y.	Standard Underdrain Designed
90	C.Y.	Standard Underdrain Estimated
5	C.Y.	Rounding
880	C.Y.	Total
		TRENCH EXCAVATION OF ROCK (150%)
62	C.Y.	Pipe Culverts
55	C.Y.	Standard Underdrain Designed
6	C.Y.	Sleeves For Water Pipes Designed
2	C.Y.	Rounding
125	C.Y.	Total
		UNCLASSIFIED CHANNEL EXCAVATION
2656	C.Y.	Roadway
123	C.Y.	Structure @ Sta. 216+14
46	C.Y.	Rounding
2825	C.Y.	Total
		SUB-BASE OF GRAVEL
24,160	C.Y.	Roadway
170	C.Y.	Beginning Approach
88	C.Y.	Approach @ Sta. 209+33.4 Lt.
538	C.Y.	Approach @ Sta. 294+75 Rt.
351	C.Y.	Turnout @ Sta. 246+25 ~ 250+10 Rt.
236	C.Y.	Drives
199	C.Y.	Rounding
25,742	C.Y.	Total
		SUB-BASE OF SAND
3214	C.Y.	Designed
786	C.Y.	Estimated
4000	C.Y.	Total
		GRAVEL BACKFILL FOR SLOPE STABILIZATION (MOD)
11,600	C.Y.	Roadway
2186	C.Y.	Approach @ Sta. 294+75 Rt.
14	C.Y.	Rounding
13,800	C.Y.	Total
		TACK COAT - TYPE III
14,529	GAL.	Roadway
127	GAL.	Beginning Approach
44	GAL.	Rounding
14,700	GAL.	Total

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		TACK COAT - TYPE IV-B
12,904	GAL.	Roadway
848	GAL.	Paved Shoulders
758	GAL.	Approaches
90	GAL.	Rounding
14,600	GAL.	Total
		BITUMINOUS CONCRETE PAVEMENT (MOD)
1972	TON	Roadway
196	TON	Paved Shoulders
124	TON	Approaches
112	TON	Bridge
6	TON	Rounding
2410	TON	Total
		CEMENT RUBBLE MASONRY
39.0	C.Y.	Pipe Culverts Designed
1.2	C.Y.	Standard Underdrain Designed
1.8	C.Y.	Standard Underdrain Estimated
42.0	C.Y.	Total
		OPTION FOR 15" PIPE
		15" CORR. ALUM. ALLOY CULV. PIPE, GA. 16
		15" CORR. GALV. METAL PIPE, GA. 16
116	L.F.	Designed
64	L.F.	Estimated For Drives Not Designed
180	L.F.	Total
		SLEEVES FOR WATER PIPES
76	L.F.	Designed
100	L.F.	Estimated
176	L.F.	Total
		6" PERF. CORR. GALV. MET. UNDERDRAIN (MOD)
2768	L.F.	Designed
432	L.F.	Estimated
3200	L.F.	Total
		STEEL MARKER POSTS
58	EA.	Pipe Culverts Designed
5	EA.	Standard Underdrain Designed
5	EA.	Standard Underdrain Estimated
2	EA.	Rounding
70	EA.	Total
		3/4" SEAMLESS COPPER WATER TUBE
130	EA.	Designed
120	EA.	Estimated
250	EA.	Total

TYPE OF CONSTRUCTION: TACK COAT TYPE IV-B, 1½" BITUMINOUS CONCRETE PAVE.

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS 22'	PAVEMENT WIDTHS 30'		EQUATIONS +	EQUATIONS −	
209+00.00	290+51.35	8151.35					
290+51.35	293+58.60		307.25				Bridge
293+58.60	309+00.00	1541.40					
TOTALS		9692.75	307.25				

LENGTH OF PROJECT

STATIONS		FEET	MILES	REMARKS
209+00.00	290+51.35	8151.35	1.544	
290+51.35	293+58.60	307.25	0.058	Bridge
293+58.60	309+00.00	1541.40	0.292	
TOTALS		10,000.00	1.894	

MORETOWN

No. S-0167(3) Filed

Sheet 3 of 104 Sheets

QUANTITY SHEET

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

MORETOWN PROJECT NO. S-0167(3)

SUMMARY SHEET NO. 2 OF 2 1966

APPROXIMATE SUMMARY OF QUANTITIES

R. O. W.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ROUND OFF	ITEM NO.
		6	6	EA.	Cast Iron Cover for Asph. Ctd. Corr. Galv. Metal Pipe Flushing Basin		525
		3	3	EA.	Drop Inlet Type II (Precast Reinf. Concrete Curb Drop Inlet with Cast Iron Grate and Frame)		531
		112	112	L.F.	Plank Guard Rail		540
		6272	6272	L.F.	Three Cable Guard Rail with Steel Posts		542
		40	40	EA.	Anchors for Three Cable Guard Rail with Steel Posts		544
		40	40	EA.	Steel Guide Posts (Est.)		547.13
		70	70	EA.	Steel Marker Posts		547.20
		1770	1770	L.F.	Removal and Disposal of Present Guard Rail	?	549
		1	1	TON	Bituminous Concrete Surface for Gutters and Traffic Islands (Mod.)		554
	658		658	L.F.	Granite Bridge Curb		556.C
		1960	1960	L.F.	Treated Timber Curb		558
		2	2	EA.	Erection of Project Markers		566
		40	40	EA.	Boundary Markers (Est.)		567
	664		664	L.F.	Bridge Railing		572
1			1	LS.	Demolition and Disposal of Building #1 @ Sta. 208+15 Lt.		586
1			1	LS.	Demolition and Disposal of Building #2 @ Sta. 214+15 Lt.		586
1			1	LS.	Demolition and Disposal of Building #3 @ Sta. 214+90 Lt.		586
1			1	LS.	Demolition and Disposal of Building #4 @ Sta. 215+10 Lt.		586
1			1	LS.	Demolition and Disposal of Building #5 @ Sta. 216+00 ℄		586
1			1	LS.	Demolition and Disposal of Building #6 @ Sta. 217+00 ℄		586
1			1	LS.	Demolition and Disposal of Building #7 @ Sta. 217+65 ℄		586
		250	250	L.F.	3/4" Seamless Copper Water Tube		594-B
		1300	1300	LBS.	Seeding	42	611
		7400	7400	LBS.	Fertilizer		615
		15	15	TON	Ground Limestone (Mod.)	0.2	616
		30	30	TON	Mulch	0.4	622

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

TYPE OF CONSTRUCTION

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS			EQUATIONS +	EQUATIONS −
TOTALS						

LENGTH OF PROJECT

STATIONS		FEET	MILES	REMARKS
TOTALS				

MORETOWN

No. S-0167(3) Final Sheet 4 of 104 Sheets

ITEM DETAIL AND DRAINAGE SHEET

DRAINAGE STRUCTURES

GAGES — S INDICATES STRUTTING
N.A. INDICATES NOT APPLICABLE
DIA — GP INDICATES GIPTION ELBOW

| STA. | STA. | POSITIONS | ASKEW | TYPE IN / OUT | R. C. P. CLASS | R. C. P. D | R. C. P. L | A.C.G.G.M.P. D | A.C.G.G.M.P. L | A.C.G.G.M.P. GAGE | C.G.M.P.P. / P.P.A. D/S | C.G.M.P.P. / P.P.A. /R | C.G.M.P.P. / P.P.A. L | OPTION D | OPTION L | CS MP | R CP | CAA CP | ACCOMP. TAPERVIEW D | ACCOMP. TAPERVIEW L | DEGREE TOP | DEGREE BOT | CB | DI. | DEPTH D.I. | REINF. STEEL | CONC. CLASS B | C. T. | C. R. M. | M. E. S. | TR. EARTH 100% | TR. EARTH 150% | TR. ROCK 100% | TR. ROCK 150% | STRUCT EXCAV. | CHANNEL EXCAV. | STONE FILL CL. 1 | STONE FILL CL. 2 | RIP RAP | GRAVEL BEDDING ART. 422-8 | PAVED GUTTER | STRUTTING SIDES JR | STRUTTING SIDES OBT | CHAIN ELEV. BOX | 24" CPL BAND | R. C. BOX S | R. C. BOX L | STEEL MARKER POSTS LT. | STEEL MARKER POSTS RT. | WOOD MARKER POSTS LT. | WOOD MARKER POSTS RT. | Old Culvert | REMARKS |
|---|---|---

EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

FED. ROAD DIVISION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT.	S0167(3)	POST WAR	6	104

Grades: +0.480%; 400' V.C. 550 761±; −0.444%; 400' V.C.; +0.600%

Station	Elev. on Tangent	Elev. on V Curves	Corr V.C.	Dist	Total Exc. Area	Total Exc. Cu Yds	Rock Area	Rock Cu Yds	Notes	Emb. Area	Emb. Cu Yds	Base Area	Base Cu Yds
206									Approach				
+50									C- 243				
									F- 5				
207	546.40								Fac 1.25				
									Exc.C. 237				
									SB 170			0	
+50	546.64												
				50					STA. 209+00				4
208	546.88				0				Begin Project			4	
				50		65			S0167(3)				55
+50	547.12				70				Construct	0		55	
+82	547.27			50		178			Satisfactory		5		111
209	547.36				122				Approach	5		65	
+20	547.46			50		211			C- 347		36		119
+32	547.51								F- 171				
+50	547.60				106				Fac. 1.25	34		64	
				50		136			ExcC 133		135		119
					41				SB 238	112		64	
210	547.84												
+14	547.91			50		53					289		119
+50	548.08				16					200		64	
				25		7					199		60
+75	548.20				0					231		64	
				25							248		60
211	548.32									305		64	
				50							619		119
+50	548.56				0					363		69	
+62	548.62			50		26					694		119
212	548.80				28					387		64	
				50		119			C- 2862		695		119
+50	549.04		0		101				R- 42	364		64	
									F- 4,784				
+94	549.25	549.23	-0.02	50		422			Fac F 1.25 R 1.35		633		119
									ExF 3089				
213	549.28	549.25	-0.03		355				SB 1,192	320		64	
				50		528					537		119
+50	549.52	549.40	-0.12		215					260		64	
				50		314					378		119
214	549.76	549.50	-0.26		124		0			148		64	
				50		624		19			262		119
+50	550.00	549.54	-0.46		550		20			135		65	
				50		769		23			230		120
215	549.78	549.52	-0.26		280		5			113		65	
				50		505		90			128		119
+50	549.56	549.44	-0.12		265		92			25		64	
+80	549.42	549.36	-0.06	50		245		85			157		119
216	549.33	549.30	-0.03		0		0			145		65	
				50		6					199		122
+50	549.11		0		6					70		67	
				50		218					65		121
217	548.89				229		0			0		64	
				50		851		22					119
+50	548.67				690		24					64	
				50		1700		22					119
218	548.45				1146		0					69	
+47	548.24			50		2156							119
+50	548.22				1183							64	
				50		2081							119
219	548.00				1065				C- 10,121			64	
				50		1653			R- 219				119
+50	547.78				720				F- 804	0		64	
									Fac F 1.25 R 1.35				
+93	547.59			50		706			ExC 9267		255		120
									SB 1,196				
220	547.56				42					275		66	
				50		586					255		122
+50	547.34				591					0		66	
				50		1078							121
221	547.11				573							65	
				50		1094							120
+50	546.89		0		608					0		65	
				50		952					4		121
222	546.67	546.70	+0.03		420					4		66	
+29	546.54	546.62	+0.08	50		648					37		123
+50	546.45	546.58	+0.13		280					36		67	
				50		380					311		124
223	546.23	546.52	+0.29		130					300		67	
				50		186					728		125
+50	546.00	546.52	+0.52		71				C- 5,038	486		68	
				50		90			F- 5,310		1085		126
224	546.30	546.59	+0.29		26				Fac. 1.25	686		68	
				50		24			Ex.F 1,600		1367		126
+50	546.60	546.73	+0.13		0				SB 1,234	790		68	
				50							1523		126
225	546.90	546.93	+0.03							854		68	
CARRIED FORWARD													
COLUMN FOOTINGS						18,368		261			11,069		3,860

Grades: 500' V.C. 550 666±; +0.600%; 500' VC; −0.9067%

Station	Elev. on Tangent	Elev. on V Curves	Corr V.C.	Dist	Total Exc. Area	Total Exc. Cu Yds	Rock Area	Rock Cu Yds	Notes	Emb. Area	Emb. Cu Yds	Base Area	Base Cu Yds
225	546.90	546.93	+0.03							854		68	
				50							1704		126
+50	547.20		0							986		68	
+52	547.21			50							1764		126
226	547.50									920		68	
				50							1602		126
+50	547.80									810		68	
				50					C 9492		1313		126
227	548.10				0				R- 1063	607		68	
									F 8027				
+30	548.28			50		24			Fac.F 1.25		988		126
									Fac.R 1.35				
+50	548.40				26				Ex.C 189	460		68	
									SB 1269				
+61	548.47			50		24					541		127
228	548.70				0					124		69	
				50		407					115		128
+50	549.00				440		0			0		69	
				50		1583		95					128
229	549.30				1270		103					69	
				50		2741		416					128
+50	549.60				1690		346					69	
				50		4713		552					128
230	549.90				3400		250					69	
				50		7358		620					128
+50	550.20				4547		420					69	
				50		9109		556					128
231	550.50				5291		180					69	
				50		9633		249					128
+50	550.80				5113		89		C- 63251			69	
				50		10,017		82	R 1,807				128
232	551.10				5705		0		Fac.R 1.35			69	
				50		9589			SB 1280				128
+50	551.40				4650		0					69	
				50		7104		63					128
233	551.70				3022		68					69	
				50		4657		109					128
+50	552.00				2008		50					69	
				50		2870		51					128
234	552.30				1092		5					69	
				50		1669		5					128
+50	552.60				710		0					69	
				50		1245		72					128
235	552.90				634		78					69	
+46	553.18			50		1080		328					128
+50	553.20				533		276			0		69	
				50		890		553			33		128
236	553.50				428		321			36		69	
				50		670		453			98		126
+50	553.80				296		168			70		67	
				25		265		140			71		62
+75	553.95				276		136			83		67	
				25		239		110			67		63
237	554.10				241		100			63		68	
				50		418		127			152		127
+50	554.40				210		37			101		69	
				50		194		34			368		128
238	554.70				0		0		230+00-240+00	296		69	
+29	554.87			50	C	3796			C- 67,047		817		128
					R	1745			R- 3,552				
+50	555.00				F	6086			F- 6,086	586		69	
				50	SB	1274			Fac F 1.25 R 1.35		1154		128
239	555.30				0				Ex. C- 61882	660		69	
				50		8					1464		128
+50	555.60				9					921		69	
				50		32					1862		128
240	555.90				26					1090		69	
				50		70					2139		128
+50	556.20				50					1220		69	
				50		85					2304		128
241	556.50				42					1268		69	
+41	556.75			50		70					2526		128
+50	556.80				34					1460		69	
				50		71					2731		128
242	557.10				43					1490		69	
				50		105					2610		128
+50	557.40				70					1329		69	
				50		120					2305		128
243	557.70				60					1160		69	
				50		117			C- 5143		1886		127
+50	558.00				66				F- 19,290	877		68	
									Fac- 1.25				
+71	558.13			50		696			Ex.F- 18,969		1381		125
									SB- 1262				
244	558.30				686					615		67	
CARRIED FORWARD						1334					17882		1020
COLUMN FOOTINGS						77,873		4,615			31,995		4843

Grades: 500' V.C. 550 666±; +0.600%; −0.9067%; 500' VC; −0.1004%

Station	Elev. on Tangent	Elev. on V Curves	Corr V.C.	Dist	Total Exc. Area	Total Exc. Cu Yds	Rock Area	Rock Cu Yds	Notes	Emb. Area	Emb. Cu Yds	Base Area	Base Cu Yds
244	558.30				686					615		67	
				50		1603					881		122
+50	558.60		0		1045					337		65	
				50		2206					527		120
245	558.90	558.86	-0.04		1337					232		65	
				50		2673					314		120
+50	559.20	559.05	-0.15		1550				C- 37,916	107		65	
				50		3040			R- 1,141		169		120
246	559.50	559.16	-0.34		1733				F- 737	75		65	
									SB 1189				
+12	559.57	559.18	-0.39	50		3283					89		118
+50	559.80	559.20	-0.60		1812					21		62	
				50		3860					38		117
247	560.10	559.16	-0.94		2357		0			20		64	
				50		4452		56			30		119
+50	559.64	559.04	-0.60		2451		60			12		64	
				50		4121		357			11		119
248	559.19	558.85	-0.34		2000		326			0		64	
				50		5067		433					119
+50	558.74	558.59	-0.15		3473		142			0		64	
				18		2383		97			2		43
+68	558.58	558.48	-0.10		3677		150			5		64	
				32		3592		124			10		76
249	558.29	558.25	-0.04		2386		60			12		64	
				50		3631		64			24		119
+50	557.83		0		1535		9			14		64	
				50		1814		10			50		119
250	557.38				424		2			40		65	
				50		449		2			283		120
+50	556.93		0		61		0			266		65	
				50		56					902		121
251	556.47	556.49	+0.02		0				C 572	708		66	
									R 2				
+10	556.38	556.41	+0.03	50		16			F 24,303		1564		123
									SB 1,245				
+50	556.02	556.10	+0.08		17					981		67	
				50		33					2205		125
252	555.57	555.75	+0.18		19					1400		68	
				50		18			245+00-255+00		2833		126
+50	555.11	555.43	+0.32		0				C- 38,488	1660		68	
				50					R- 1,143		3061		126
253	554.66	555.16	+0.50						F- 25,040	1646		68	
				50					Fac F 1.25 R 1.35		2913		126
+50	554.61	554.93	+0.32						Ex.C.- 7974	1500		68	
+70	554.59	554.85	+0.26	50							3028		126
254	554.56	554.74	+0.18							1770		68	
				50							3583		126
+50	554.51	554.59	+0.08							2100		68	
				50							3931		126
255	554.46	554.48	+0.02							2145		68	
				50							4011		126
+50	554.41		0		0					2187		68	
				50		7					4053		126
256	554.36				8				C- 646	2190		68	
				50		24			R 154		4000		126
+50	554.31				18				F 27,332	2130		68	
									Fac F 1.25 R 1.35				
+81	554.28			50		17			Ex. F 33413		3869		126
									SB. 1257				
257	554.26				0					2048		68	
				50		2					3539		126
+50	554.21				2					1774		68	
				50		2					2911		126
258	554.16				0					1370		68	
				50							2315		126
+50	554.11									1130		68	
				50							1682		126
259	554.06				0		0			687		68	
				20		34		1			412		50
+20	554.04				95		3			425		68	
				30		146		13			327		75
+50	554.01				168		21			164		67	
				25		178		39			126		62
+75	553.98				215		64			108		67	
				25		236		101			87		62
260	553.96				295		154			80		66	
				25		328		168			58		61
+25	553.93				413		208			46		65	
				25		405		254			35		60
+50	553.91				462		342			30		65	
				25		433		303			24		60
+75	553.88				474		312			22		64	
				25		419		321			10		59
261	553.86				431		382			0		64	
				25		454		372					59
+25	553.83				550		423					64	
CARRIED FORWARD						2,039		1418			127		299
COLUMN FOOTINGS						44,982		2,715			53,907		4232

EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

FED. ROAD DIVISION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT	S-0167(3)	1971	7	104

VC	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V CURVES	GRADES CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU YDS	ROCK AREA	ROCK CU YDS	EMBANKMENT AREA	EMBANKMENT CU YDS	BASE AREA	BASE CU YDS
		261+25	553.83				550		423				64	
		+50	553.81			25	585	526	526	439	0		64	59
		+75	553.78			25	532	517	425	440	25	12	64	59
		262	553.76			25	519	487	284	328	9	16	64	59
		+50	553.71			50	439	887	105	360	40	45	64	119
		263	553.66				316	699	39	133	115	144	64	119
		+50	553.61				304	571	24	58	148	244	64	119
		264	553.56				304	563	0	22	168	293	64	119
		+50	553.51				328	585	C 7298 R 3198 F 1704 SB 1194		226	365	65	121
		265	553.46				122	417			290	478	66	121
		+50	553.41				70	178	C 257 F 15,845 SB 1200		370	611	65	120
		+76	553.38				8	72			350	852	65	120
		266	553.35				0	7			708	1165	65	120
		+50	553.30						260+00-270+00 C 7351 R 8198 F 17,389 fac R 1.35 fac F 1.25 Ex F 11,962		804	1400	65	120
		267	553.25								942	1617	65	120
		+50	553.20								1000	1798	65	120
		268	553.15								1026	1876	65	120
		+50	553.10									1982		120
		+38	553.07								1115	2103	65	120
		269	553.05								1156	2241	65	120
		+50	553.00								1264	2419	65	120
		270	552.95						270+10-275+10 C 812 R 29 F 18,333 fac R 1.35 fac F 1.25 Ex F 12,205 SB 1233		1348	2539	65	120
		+50	552.90				0	31			1394	2550	65	120
		271	552.85				34	31			1360	2476	65	120
		+50	552.80				0				1314	2181	65	120
		272	552.75		0				275+10-280+10 C 6998 R 837 F 3637 fac R 1.35 fac F 1.25 Ex C 3029 SB 1301		1041	1720	65	121
		+09	552.75		-0.00		0	6			817	1613	66	54
		+50	552.70	552.67	-0.03	50	7	59			688	704	67	70
		273	552.65	552.59	-0.12	22	138	109			670	1162	68	127
		+22	552.63	552.45	-0.18	28	72	211	0	14	585	1050	69	130
		+50	552.60	552.33	-0.27	50	156	215	15	14	549	919	71	131
		274	552.55	552.07	-0.48		76	150	0	1	444	760	71	131
		+50	552.50	551.75	-0.75		86	144	1	6	377	587	71	131
		275	552.45	551.37	-1.08		70	246	5	19	214	431	71	131
		+50	552.40	550.93	-1.47		196	394	15	14	251	496	71	131
		276	552.35	550.43	-1.92		230	563	0	5	285	466	71	131
		+50	552.30	549.87	-2.43		378	785	5	9	218	329	71	131
		277	552.25	549.25	-3.00		470	949	5	68	137	256	71	131
		+50	551.00	548.57	-2.43		555	819	68	189	140	162	71	129
		278	549.75	547.83	-1.92		329	731	136	256	35	105	68	127
		+50	548.50	547.03	-1.47		460	915	140	154	78	85	69	128
		279	547.25	546.17	-1.08		528	1452	27	119	14	8	69	77
		+50	546.00	545.25	-0.75		1020	1001	102	113	0	8	69	77
		280	544.75	544.27	-0.48		761	792	102	130			69	52
		+30	544.00	543.65	-0.35		1378	3901	250	451			70	130
		+50	543.50	543.23	-0.27		2835	237					70	130
		281	542.25	542.13	-0.12									
								5694		694		8		259
			CARRIED FORWARD					19,016		3342		39,220		4888
			COLUMN FOOTINGS											

-0.1004%

-2.500%

1000' VC
550' to PI

VC	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V CURVES	GRADES CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU YDS	ROCK AREA	ROCK CU YDS	EMBANKMENT AREA	EMBANKMENT CU YDS	BASE AREA	BASE CU YDS
		281	542.25	542.13	-0.12		2835		237				70	
		+50	541.00	540.97	-0.03	50	6218	378	171				70	130
		+75	540.38	540.37	-0.01		6802	444	308				70	130
		282	539.75		0		3465	619	360				70	130
		+50	538.50				6491	1114	843				70	130
		283	537.25				3545	1409	679				70	130
		+50	536.00				5753	1017	1177		C 47,003 R 7745 F 8 SB 1298		70	130
		284	534.25				4828	1177	852				70	130
		+50	533.50				4512	893	112				69	129
		285	532.25				2694	104	0				69	127
		+50	531.00				911	0	104	176	190	648	68	129
		286	529.75				267	C 1204 R 104 F 19,285 SB 1300	0	1246	510		71	131
		+18	529.30				26				835	1846	71	131
		+50	528.50				0				1158	2267	70	131
		287	527.25								1290	2398	71	131
		+50	526.00								1300	2283	71	131
		288	524.75								1166	2177	70	130
		+50	523.50								1185	2645	70	130
		289	522.25								1672	3599	70	129
		+50	521.00								2215	4394	69	123
		290	519.75								2530	126	64	3
		+50	518.50								2580	BUTT	64	BUTT
		+51.35	518.47											
		291	517.25											
		+50	516.00											
		292	514.75											
		+50	513.50											
		293	512.25											
		+50	511.00											
		+58.60	510.79											
		294	509.75											
		+50	508.50		0									
		295	507.25	507.30	+0.05									
		+50	506.00	506.19	+0.19									
		296	504.75	505.31 505.18	+0.43									
		+50	503.50	504.26	+0.76									
		297	502.25	503.42 503.17	+1.19									
		+50	501.00	502.71 502.77	+1.71									
		298	500.89	502.08	+1.19									
		+50	500.78	501.27 501.54	+0.76									
		299	500.67	501.27 501.70	+0.43									
		+50	500.56	501.75 500.75	+0.19									
		300	500.44	501.62 500.49	+0.05									
		+50	500.33	501.58	0									
		+84	500.26	501.60										
		301	500.22	501.61										
		+50	500.11	501.50										
		302	500.00	501.39										
		+50	499.89	501.28										
		303	499.78	501.17										
		+50	499.67											
			CARRIED FORWARD					5549		7155		29,570		907
			COLUMN FOOTINGS					61,037						5000

Rev. at Grade

-0.222%

600' VC

VC	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V CURVES	GRADES CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU YDS	ROCK AREA	ROCK CU YDS	EMBANKMENT AREA	EMBANKMENT CU YDS	BASE AREA	BASE CU YDS
							4140							
						50	0	109						
							118							
								635						
							568	1265						
							798	1487						
							808	1491						
							802	1397	C 12,066					
							705	1275	F 446 fac 1.25					
							672	1241	Ex C 11,508 SB 1280					
							668	1185						
							612	1089						
							564	1001						
							517	805						
							352	682						
							385	870						
							556	970	C 7184 Ex C 7124 SB 1297					
							493	779						
							348	702						
							410	741						
						50	390							
			CARRIED FORWARD											
			COLUMN FOOTINGS											

-0.222%

400' VC
550' to PI

-0.461%

VC	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON V CURVES	GRADES CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU YDS	EMBANKMENT AREA	EMBANKMENT CU YDS	BASE AREA	BASE CU YDS
		303+50	501.17				390					
			497.67								70	
			501.54			50		642				130
		304	497.56				303				70	
			500.93					516				130
		+50	499.45	500.83	0		254				70	
				499.33	-0.01			417				130
		305	499.34	500.69			196		0		70	
				499.19	-0.03			304		1		130
		+50	499.22	500.61			132		1		70	
				499.08	-0.07			196		6		130
		306	499.11	498.98			80		6		70	
				498.83	-0.12			98		46		130
		+50	499.00	497.83			20		43		70	
				498.70	-0.07			50		86		130
		307	498.77	498.59	-0.04		34					
		131	498.63	498.55	-0.04				C 1049 F 466 fac 1.25 Ex C 467 SB 1088		70	
		+38	498.59	497.51								
				498.54	-0.03				50		70	
		+50	498.54	497.17			77			97		130
		308	498.31	498.30	-0.01		55	122	55		70	
			498.53					100		85		130
		+50	498.08		0		53		37		70	
			498.51			50		81		53		128
		309	497.85				34	BUTT	20	BUTT	68	BUTT
		+50										
		310										
		+50										
		317+00	494.15									

EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

FED. ROAD DIVISION NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
I	VT	S-0167(3)	8	104

VC	% GRADE	STATION	GRADES: ELEVATION ON TANGENT	GRADES: ELEVATION ON V CURVES	CORR V.C.	DIST	Unclassified Chan Excavation: AREA	Unclassified Chan Excavation: CU YDS	Stone Fill: AREA	Stone Fill: CU YDS	Gravel Backfill: AREA	Gravel Backfill: CU YDS	Sub-Base of Sand: AREA	Sub-Base of Sand: CU YDS
		209+75					22	Butt	95	Butt				
						25		21		88				
		210					22		96					
						50		48		204				
		+50					30		185		Unclass Ch. 284			
						25		18		116	Stone Fill 1,988			
		+75					9		125					
						25	9	9		116				
		211					9		125					
						50		17		227				
		+50					9		120					
						50		17		225				
		212					9		123					
						50		17		228				
		+50					9		123					
						50		17		231				
		213					9		126					
						50		18		231				
		+50					10		123					
						50		56		188				
		214					50		80					
						25		46		74				
		+25					50	Butt	80	Butt				
		216+50									0		0	
						50						44		48
		217									47		52	
						50						112		96
		+50									74		52	
						50						141		96
		218									78		52	
						50						147		96
		+50									81		52	
						50						149		96
		219									80		52	
						50						130		97
		+50									60		53	
						50						72		99
		220									18		54	
						50						78		99
		+50									66		53	
						50						111		97
		221									54		52	
						50						109		95
		+50									67		51	
						25						56		47
		+75					40	Butt	60	Butt	57		50	
						25		37		56		53		46
		222					40		60		57		50	
						50		67		185		53		46
		+50					32		140		0		0	
						50		44		282				
		223					15		165					
						50		22		305				
		+50					9		164		Unclass. Ch. 388			
						50		17		300	St. Fill 3,942			
		224					9		160		Gr. Bk'fill 1295			
						50		17		287	Sb-Base 1058			
		+50					9		150					
						50		17		276				
		225					9		148					
						50		17		276				
		+50					9		150					
						50		19		283				
		226					11		156					
						50		19		289				
		+50					9		156					
						50		18		280				
		227					10		146					
		+30				30	32		140					
		+50				20	47		90					
						38	31							
		+75				25		31		79				
							28	Butt	80	Butt				
		228									0			
						50						99		
		+50									107			
						50						176		
		229									85			
						50						163		
		+50						Grav. Bk'fill - 3137			98			
						50						200		
		230									123			
						50						269		
		+50									167			
						50						329		
		231									188			
						50						374		
		+50									216			
		CARRIED FORWARD										1610		
		COLUMN FOOTINGS						672		5070		2865		1058

VC	% GRADE	STATION	GRADES: ELEVATION ON TANGENT	GRADES: ELEVATION ON V CURVES	CORR V.C.	DIST	Unclassified Channel Excav.: AREA	Unclassified Channel Excav.: CU YDS	Stone Fill: AREA	Stone Fill: CU YDS	Gravel Bk'fill: AREA	Gravel Bk'fill: CU YDS	Sub-Base of Sand: AREA	Sub-Base of Sand: CU YDS
		231+50									216			
						50						405		
		232									221			
						50						377		
		+50									186			
						50						331		
		233									171			
						50						286		
		+50									138			
						50						128		
		234									0			
		237+75					70	Butt	196	Butt				
						25		65		135				
		238					70		146					
						50		81		311				
		+50					18		190					
						50		31		386				
		239					15		226					
						50		28		427	Unclass Channel	733		
		+50					15		235		Stone Fill	5744		
						50		23		435				
		240					10		235					
						50		29		421				
		+50					21		220					
						50		31		359				
		241					12		168					
						50		23		318				
		+50					13		176					
						50		21		367				
		242					10		220					
						50		20		415				
		+50					12		228					
						50		23		387				
		243					13		190					
						50		23		349				
		+50					12		187		0			
						50		19		339		158		
		244					9		178		171			
						50		36		338		325		
		+50					20		186		180			
						50		44		310		352		
		245					50		149		200			
		+25				30		83		237		371		
		+50					40		107		201			
						50		80		155		323		
		246				25	46	43	60	56	213		Dist.=50'	
		+25				25	46	Butt	60	Butt		394		
		+50									213			
						50						396		
		247									215			
						50						363		
		+50									177			
						50						230		
		248									71		Grav. Bk'fill = 940	
						50						242		
		+50									190			
						50						343		
		249									180			
						50						305		
		+50									149			
						50						208		
		250									76			
						25								
		+25				25	38	Butt	92	Butt		70		
		+50					38	25	92	26	0			
						50		57		198				
		251					24		122					
						50		42		239				
		+50					21		136					
						50		36		260				
		252					18		145					
						50		32		280	Unclass Channel	582		
		+50					17		157		Stone Fill	5104		
						50		33		284				
		253					19		150					
						50		26		268				
		+50					9		140					
						50		22		268				
		254					15		150					
						50		22		292				
		+50					9		168					
						50		17		301				
		255					9		160					
						50		19		293				
		+50					11		156					
						50		19		288				
		256					9		155					
		CARRIED FORWARD												
		COLUMN FOOTINGS						1093		8800		5667		

VC	% GRADE	STATION	GRADES: ELEVATION ON TANGENT	GRADES: ELEVATION ON V CURVES	CORR V.C.	DIST	Unclassified Chan Excavation: AREA	Unclassified Chan Excavation: CU YDS	Stone Fill: AREA	Stone Fill: CU YDS	Gravel Backfill: AREA	Gravel Backfill: CU YDS	Sub-Base of Sand: AREA	Sub-Base of Sand: CU YDS
		256					9		155					
						50		17		294				
		+50					9		162					
						50		17		306				
		257					9		168					
						50		17		304				
		+50					9		160					
						50		17		291				
		258					9		154					
						50		19		294				
		+50					12		142					
						50		19		265				
		259					9		144					
						20		9		107				
		+20				30	10		146					
							68		187					
		+50				10	112		41					
		+50					112	Butt	136	Butt				
		263+50									0			
						50						69		
		264									73			
						50						184		
		+50									91			
						50						131		
		265									51			
						25							Dist=50'	
		+25					105	Butt	140	Butt		73		
						25		79		130				
		+50					103		140		28		Dist=25'	
						50		106		263		13		
		266					10		144		0			
						50		18		267				
		+50					9		144					
						50		17		269				
		267					9		144					
						50		26		281				
		+50					19		160					
						50		31		296				
		268					15		160					
						50		33		296				
		+50					21		160					
						50		31		318				
		269					13		164					
						50		20		331				
		+50					9		174					
						50		22		320				
		270					15		172					
						50		26		307				
		+50					13		160			Unclass Channel	669	
						50		23		302	St. Fill —		5521	
		271					12		166					
						50		20		315				
		+50					10		174					
						50		18		318				
		272					9		169					
						50		19		318				
		+50					12		174					
						50		28		304				
		273					18		154					
						22		16		128				
		+22				28	20		160					
							18		160					
		+50					14		148					
						50		43		261				
		274					32		134					
						50		38		183				
		+50					9		70					
						50		19		150				
		275					12	Butt	92	Butt				
						50								
		+50												
						50								
		276									0			
						50						47		
		+50									51			
						50						100		
		277									57			
						50						117		
		+50									69			
						50						119		
		278									60			
						50						56		
		+50									0			
						50								
		279												
						50								
		+50									0			
						50						96		
		280									104			
		CARRIED FORWARD												
		COLUMN FOOTINGS						891		7569		975		

PROJECT MORETOWN

PROJECT 9 NO. 0167(3)
SHEET 8 OF 104 SHEETS

EARTHWORK

V. C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V. CURVES	CORR. V. C.	DIST.	UNCL. CHANNEL EXCAVATION AREA	UNCL. CHANNEL EXCAVATION CU. YDS.	STONE FILL AREA	STONE FILL CU. YDS.	GRAVEL BACKFILL AREA	GRAVEL BACKFILL CU. YDS.	SUB-BASE OF SAND AREA	SUB-BASE OF SAND CU. YDS.
		280				50					104	162		
		+50				50					71	169		
		281				50					111	230		
		+50				50					137	127		
		282+00									0			
		295+00				50					0	125	0	48
		+50									135	231	52	96
		296									115	190	52	96
		+50									90	158	52	96
		297									81	161	52	96
		+50									93	142	52	96
		298									60	113	52	96
		+50									62	100	52	96
		299									46	83	52	96
		+50									44	71	52	96
		300									33	31	52	96
		+50									0		52	98
		301											54	100
		+50											54	100
		302											54	100
		+50											54	100
		303											54	100
		+50											54	100
		304											54	100
		+50											54	100
		305											54	100
		+50											54	100
		306											54	100
		+50				50							0	50
		COLUMN TOTALS										2093		2156

SUMMARY

	UNCL. CHANNEL EXCAVATION	STONE FILL	GRAVEL BACKFILL	SUB-BASE OF SAND
Sheet "B of 104 , Col. 1	672	5070	2755	1058
Sheet "B of 104 , Col. 2	1078	3900	5667	
Sheet "B of 104 , Col. 3	891	7569	975	
Channel at Structure @ Sta. 216+14	123			
GRAND TOTALS	2779	21,439	11,600	3214

CARRIED FORWARD

COLUMN FOOTINGS

EARTHWORK

V. C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V. CURVES	CORR. V. C.	DIST.	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	BASE AREA	BASE CU. YDS.
							APPROACH @ STA. 209+334 LT.					
	-2.280%	0	547.52									
		+19	547.52								60	BUTT
		+21				4			0	7	DIST.-6	10
		+25	546.95		0	12			90	20	32	
		+37					0		0		DIST.-25	24
	50 VC	+50	546.38	547.50	+1.12	13	191	46			20	
		+75	550.29		0	31		171				20
		181	551.22				106				14	
	+18.620%					19		48				9
		1	554.19				30				12	
						50		42				25
		+50	562.00				15	BUTT			15	BUTT
		APPROACH TOTALS					307			27		88
							APPROACH @ STA. 294+75 RT. GRAVEL BACKFILL					
		0										
		+19	508.84			6					98	BUTT
		+25	508.72			26					88	21
		+50	508.32				50	BUTT	0		41	60
				Distances From Mass Centers for Exc. & Gravel Backfill Only		57/25		1784		196		31
		+75	507.93			75/25	1640		186		26	
						100/25		6859		624		24
		1	507.54			44	3365		269		26	
		+50	506.76			50	1500	5766	243	607	26	48
						50		2750		408		48
		2	505.98				1470		192		26	
	-1.561%							1778		267		48
		+50	505.20				450		96		26	
								431		89		50
		3	504.42				16		0		28	
								15				52
		+50	503.64				0		8		28	
		164	503.42							31		52
		4	502.86				0		26		28	
								3		28		52
		+50	502.08				3		4		28	
						50		31		4		52
		5	501.30				31	BUTT	0	BUTT	28	BUTT
		APPROACH TOTALS					1947		2186		118	538
							MUCK EXCAVATION					
		219+93					0					
		220				7	85	11				
						50		79				
		+50					0					
		TOTAL						90				

CARRIED FORWARD

COLUMN FOOTINGS

EARTHWORK SUMMARY

STATE OF VERMONT
DEPARTMENT OF
HIGHWAYS

SUMMARY OF BALANCES

STATION TO	STATION	TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL	BASE CUBIC YARDS
209+00	210+00	347	93	171	133		133		238
210+00	215+00	2862	42	4784		3089		2956	1192
215+00	220+00	10,121	219	804	9267		6311		1196
220+00	225+00	5038		5310		1600	4711		1234
225+00	230+00	9492	1063	8027	189		4900		1269
230+00	235+00	62,251	1807		61,882		66,782		1280
235+00	240+00	3796	1745	6086					1274
240+00	245+00	5143		19,290		18,969	47,813		1262
245+00	250+00	37,916	1141	737	7974		56,787		1189
250+00	255+00	572	2	24,303					1245
255+00	260+00	646	154	27,332		33,413	22,374		1257
260+00	265+00	7294	3198	1724					1194
265+00	270+00	257		15,645		11,962	10,412		1200
270+00	275+00	812	29	18,333		22,085		11,673	1233
275+00	280+00	6998	839	3637	3029			8644	1301
280+00	285+00	47,803	7745	8	30,287				1298
285+00	290+00	1204	104	19,285			21,643		1300
290+00	295+00	109		9839		12,190	9453		474
295+00	300+00	12,066		446	11,508		20,961		1260
300+00	305+00	7124			7124		28,085		1297
305+00	309+00	1049		466	467		28,552		1038
ROADWAY TOTALS:		223,900	18,088	166,227					24,251
							LESS SHOULDER PAVEMENT		91
							ROADWAY SUB-TOTAL		24,160
BEGINNING APP.		243		5	237		28,789		170
APP @ 209+334 LT.		307		27	273		29,062		88
APP @ 294+75 RT.		19,417		118	19,269		48,731		538
TURNOUT		10		255		309	48,022		351
DRIVES (CONST.)		66		1766		2142	45,880		236
DRIVES (R.O.W.)		1602		182	1374		47,254		258
PAVED SHOULDERS				80		100			
GRAND TOTALS		245,545	18,088	168,660			47,154		25,801

SUMMARY BY COLUMNS

SHEET NO.	COL. NO.	EXCAVATION TOTAL CU. YDS.	EXCAVATION ROCK CU. YDS.	EMBANKMENT CUBIC YARDS	BASE CUBIC YARDS
6	1	18,368	261	11,069	3860
	2	77,873	4615	31,995	4843
	3	44,982	2715	53,907	4232
7	1	19,016	3342	39,220	4888
	2	61,037	7155	29,570	5000
	3	2624		466	1428
ROWY. TOTALS		223,900	18,088	166,227	24,251
				LESS SH. PAV.	91
				ROWY. SUB-T.	24,160
BEGINNING APP.		243		5	170
APP. 209+334 LT.		307		27	88
APP. 294+75 RT.		19,417		118	538
TURNOUT		10		255	351
DRIVES (CONST.)		66		1766	236
DRIVES (R.O.W.)		1602		182	258
PAVED SHOULD.				80	
GRAND TOTALS		245,545	18,088	168,660	25,801

REMARKS

EARTH AND ROCK EXCAVATION	245,545
SOLID ROCK EXCAVATION	18,088
EARTH EXCAVATION	227,457
PLANIMETERED FILL	168,660
LESS FACTORED SOLID ROCK (Fac. 1.35)	24,419
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	
NET PLANIMETERED FILL	144,241
FACTOR	1.25
PLANIMETERED FILL INCLUDING FACTOR	180,301
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	227,457
CHANNEL EXCAVATION (75% of 2779)	2084
UNDERDRAIN EXCAVATION (75% of 1657)	1243
STRUCTURE EXCAVATION	
Exc. & Rem. of Road Surfaces and/or Pave.	1535
TOTAL MATERIAL AVAILABLE FOR FILL	232,319
TOTAL FILL INCLUDING FACTOR	180,301
TOTAL MATERIAL FOR FILL	232,319
BORROW	
EXCESS CUT *	52,018

* EXCESS CUT TO BE USED IN MAKING EMBANKMENTS ON PROJECT SO 167(7)

PROJECT MORETOWN

PROJECT S NO. 0167(3)

SHEET 9 OF 104 SHEETS

ECom: 2-3-65
MORETOWN S0167(3)

VOLUMES do NOT INCL. UNDERCUT

STA	ORIG	Vol	REV AREA	REV Vol	
+50	63	550	63	654	
244	531	1458	643	1581	Rev slope (increases 233 yd³)
+50	1087	2221	1065	2248	~~+256~~
245	1362	2619	~~1355~~ 1363	2660	
+50	1467	2719	1510	2790	
246	1469	3117	1493	3170	
+50	1897	4156	1920	4105	
247	2591	4561	2513	4776	
+50	2935	3622	2645	4139	Rev slope } Rev slope increases
248	1577	3533	1525	3780	Rev slope } earth by 979 yd³
+50	2239	~~4314~~	~~2257~~ 2259	4314	
249	2420	~~3676~~	2420	3676	
+50	1550	1796	1550	1796	
250	390		390		
		34,112		35,265	~~+1153~~
295	165	619	185	662	
+50	503	1082	530	1134	
296	665	1292	695	1341	
+50	730	1311	753	1444	1409 / 315 / 1594
297	636	1194	707	1243	
+50	603	1097	635	1145	
298	582	1050	602	1069	
+50	552	971	552	995	
299	497	863	523	910	
+50	435	782	460	818	
300	410		~~425~~		
		10,261		10,761	+500

FINAL EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

STATION	DIST	TOTAL EXCAV. EARTH & ROCK		ROCK				UNDERCUT Class I		UNDERCUT CLASS II		Sub-base of Sand		Gravel Backfill for Slope Stab.	
		AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
208		0				Approach	188								
	50		52												
+50		56													
	50		136												
209		91													
	50		178												
+50		101				C - 301 ✓									
	50		133												
210		43													
	50		49												
+50		10													
	50		9												
211		0													
	50														
+50		0													
	50		23												
212		25													
	50		112			C - 2974									
+50		96													
	50		362												
213		295													
	50		479												
+50		222													
	50		457												
214		272													
	50		752												
+50		540													
	50		731												
215		250													
	50		479												
+50		267													
	50		247												
216		0													
	50		2												
+50		2						0				0		0	
	50		183						45				43		17
217		196				C-9303		49				52		18	
	50		788			UNDERCUT Class I - 569			94				96		68
+50		652				Subbase of Sand - 622		52				52		55	
	50		1547			Grav Bkfl for Slope Stab - 408			96				96		79
218		1019						52				52		30	
	50		1964						95				95		69
+50		1102						51				51		45	
	50		1931						95				95		71
219		933						52				52		32	
	50		1521						96				96		67
+50		660						52				52		40	
	50		647						48				96		37
220		35						0				52		0	
	50		516						43				96		44
+50		522						46				52		47	
	50		975						90				95		90
221		531						51				51		50	
	50		1022						94				94		92
+50		573						51				51		49	
	50		861						90				94		65
222		357						46				50		21	
	50		604						43				46		19
+50		292				C 4672		0				0		0	
	50		403			UNDERCUT class I - 360									
223		140				Sub base of Sand - 425									
	50		187			Grav Bkfl for Slope Stab - 310									
+50		62													
	50		81												
224		25													
	50		23												
+50		0													
	50														
225															
	50														
+50															
	50														
226															
	50														
+50															
	50														
227															
	50														
+50															
	50														
228		0													
	50	875 ~~540~~	810 ~~590~~			OC 1-25-68									
+50														0	
	50		1969 ~~1969~~												42
229		1251												46	
CARRIED FORWARD			2779 ~~2138~~												42
COLUMN TOTAL			20029 ~~19406~~						929				1047		760

APPR. 188

STATION	DIST	TOTAL EXCAV. EARTH & ROCK		ROCK				UNDERCUT Class I		UNDERCUT CLASS II		Sub base of Sand		Gravel Backfill for Slope Stab.	
		AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
229		1256				C - 10,233 ~~9612~~ OC 1-25-68								46	
	50		2783			Grav. Bkfl for Slope Stab - 164									66
+50		1755												25	
	50		2671												56
230		3290												35	
	50		7247												131
+50		4537												161	
	50		8976												246
231		5157				C 62,923 ~~63,314~~								105	
	50		9354			UNDERCUT Class II - 1415									192
+50		4955				Grav. Bkfl for Slope Stab - 1608				10 BUTT				102	
	50		9852								79				187
232		5685								75				106	
	50		9588								199				169
+50		4670								140				83	
	50		7273								409				142
233		3185								302				70	
	50		4898								400				278
+50		2105								136				230	
	50		2970								224				213
234		1103								112				0	
	50		1634								104				
+50		662								0					
	50		1131												
235		560													
	50		1037												
+50		560													
	50		1113												
236		642													
	50		1145			C - 4786									
+50		595													
	50		782												
237		250													
	50		458												
+50		245													
	50		227												
238		0													
	50														
+50															
	50														
239		0													
	50		3												
+50		3													
	50		21												
240		23													
	50		60												
+50		42													
	50		74												
241		38													
	50		69												
+50		36				C - 5063 ~~4883~~									
	50		70			Grav Bkfl for Slope Stab - 1037									
242		40													
	50		96												
+50		64													
	50		106												
243		50													
	50		105												
+50		63												0	
	50		654												111
244		643												120	
	50		1581												362
+50		1065												271	
	50		2248												564
245		1362												338	
	50		2260												581
+50		1510												290	
	50		2790												482
246		1503												231	
	50		3170			C - 35,189 ~~34,118~~									519
+50		1920				UNDERCUT Class II - 647				0		0		330	
	50		4105			Sub-base of Sand - 771					51		65		554
247		2513				Grav Bkfl for Slope Stab - 3202				55		70		268	
	50		4776								100		118		529
+50		2645								53		57		303	BUTT
	50		4159								89		93		
248		1825								43		43			
	50		3763								74		74		
+50		2239								37		37		0	
	50		4314								85		99		150
249		2420								53		70		162	
	50		3676								131		156		282
+50		1550								86		99		143	
	50		1796								117		166		105
250		390								40		80		70	
	50		421								37		74		65
+50		25								0		0		0	
	50		60												
251		0													
	50														
+50															
CARRIED FORWARD			481								37		74		65
COLUMN TOTAL			115,896								2099		845		6034

STATION	DIST	TOTAL EXCAV. EARTH & ROCK		ROCK				UNDERCUT Class I		UNDERCUT Class II		Subbase of Sand		Gravel Backfill for Slope Stab	
		AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
+50															
	50														
252															
	50					C - 481									
+50						UNDERCUT class II - 37									
	50					subbase of Sand - 74									
253						Grav. Bkfl for Slope Stab - 65									
	50														
+50															
	50														
254															
	50														
+50															
	50														
255															
	50														
+50															
	50														
256															
	50														
+50						C - 647									
	50														
257															
	50														
+50															
	50														
258															
	50														
+50															
	50														
259		0													
	50		167												
+50		180													
	25		204												
+75		260													
	25		276												
260		335													
	25		375												
+25		475													
	25		466												
+50		530													
	25		515			C - 7948									
+75		582				Grav Bkfl for Slope Stab - 240									
	25		529												
261		560													
	25		542												
+25		610													
	25		604												
+50		694													
	25		635												
+75		677													
	25		612												
262		645													
	50		1039												
+50		477													
	50		719												
263		300													
	50		556												
+50		300													
	50		509												
264		250												0	
	50		495												99
+50		285												107	
	50		352												141
265		95												45	
	50		151												54
+50		75				C - 241								13	BUTT
	50		77			Grav Bkfl for Slope Stab - 54									
266		8													
	50		7												
+50		0													
	50														
267															
	50														
+50															
	50														
268															
	50														
+50															
	50														
269															
	50														
+50															
	50														
270															
	50														
+50															
CARRIED FORWARD															
COLUMN TOTAL			8836												294

PROJECT MORETOWN

PROJECT MORETOWN NO. 50167 (3)
SHEET 1 OF 5

✓ Row 11-29-67

FINAL EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

STATION	DIST	TOTAL EXCAV. EARTH & ROCK AREA	TOTAL EXCAV. EARTH & ROCK CU. YDS.	ROCK AREA	ROCK CU. YDS.									Gravel Backfill for Slope Stab. AREA	Gravel Backfill for Slope Stab. CU. YDS.
+50															
271		0													
	50		7			C - 603									
+50		8													
	50		7												
272		0													
	50														
+50		0													
	50		8												
273		4													
	50		64												
+50		65													
	50		194												
274		145													
	50		196												
+50		67													
	50		136												
275		150													
	50		142												
+50		50													
	50		230												
276		205				C - 2497								0	
	50		370			Grav Belt for Slope Stab - 416									44
+50		175												43	
	50		521												69
277		383												27	
	50		767												103
+50		460												90	
	50		870												93
278		430												0	
	50		769												
+50		350													
	50		594												
279		605													
	50		1218												
+50		770												0	
	50		1432												112
280		1107												121	
	50		2283												112
+26		1330												0	
	50		3383												
281		2305				C - 4291									
	50		6232			Grav Belt for Slope Stab - 112									
+20		3980													
	50		6732												
282		3355													
	50		6241												
+30		3397													
	50		5648												
283		2703													
	50		4930												
+30		2670													
	50		5135												
284		2281													
	50		4676												
+50		2149													
	50		3516												
285		662													
	50		1333												
+50		265													
	50		578												
286		35				C - 1168									
	50		32												
+50		0													
	50														
287															
+50															
288															
+20															
+50															
289															
+50															
RR		Beam Bridge													
CARRIED FORWARD															
COLUMN TOTAL			39,589'												323'

STATION	DIST	TOTAL EXCAV. EARTH & ROCK AREA	TOTAL EXCAV. EARTH & ROCK CU. YDS.	ROCK AREA	ROCK CU. YDS.			UNDERCUT Class I AREA	UNDERCUT Class I CU. YDS.	UNDERCUT Class II AREA	UNDERCUT Class II CU. YDS.	Subbase of Sand AREA	Subbase of Sand CU. YDS.	Gravel Backfill for Slope Stab. AREA	Gravel Backfill for Slope Stab. CU. YDS.
293+32.6		End	Bridge			C - 171									
293							418								
+50		0													
294		171													
	50	185						0				0		0	
+50		530	668					39	36			43	46	63	
	50		1134			C - 1076	1076		87				98		163
296		695				Undercut Class I - 1330		57				59		108	
	50		1341			Subbase of Sand - 1330			113				116		146
+50		253				Gravel Belt for Slope Stab - 945		65				65		50	
	50		1444						125				125		126
297		701						70				70		36	
	50		1243						139				139		193
+50		635						80				80		38	
	50		1145						155				155		36
298		602						87				87		35	
	50		1049						156				156		68
+50		552						82				82		38	
	50		935						165				165		63
299		523						96				96		30	
	50		910						181				181		46
+50		460						100				100		20	
	50		818						173				173		51
300		423						87				87		35	
	50		711						148				148		32
+50		243					3756	73				73		0	
	50		549			C - 2446			119				119		
301		248				Undercut Class I - 2057		55				55			
	50		460			Subbase of Sand - 2057			139				139		
+50		255				Gravel Belt for Slope Stab - 32		95				95			
	50		337						208				208		
302		165					112	130				130			
	50		316						250				250		
+50		176						140				143			
	50		385						258				253		
303		238						133				133			
	50		454						239				239		
+50		220						125				125			
	50		356						236				236		
304		165						130				130			
	50		236						241				241		
+50		90						130				130			
	50		126						224				229		
305		46						112				132			
	50		61						159				234		
+50		20						60				120			
	50		23			C - 813			61				189		
306		5				Undercut Class II - 556		6				84			
	50		8			Subbase of Sand - 349			6				170		
+50		4						0				100			
	50		8										187		
307		5										45			
	50		35										84		
+50		36										43			
	50		67										71		
308		36										32			
	50		66										51		
+50		35										21			
	50		42										29		
309		10										10			
CARRIED FORWARD															
COLUMN TOTAL			4411'						5613'				4398'		977'

Built with 5-C 167 (7) Pg

STATION	DIST	TOTAL EXCAV. EARTH & ROCK AREA	TOTAL EXCAV. EARTH & ROCK CU. YDS.	ROCK AREA	ROCK CU. YDS.					UNDERCUT Class II AREA	UNDERCUT Class II CU. YDS.	Subbase of Sand AREA	Subbase of Sand CU. YDS.	Gravel Backfill for Slope Stab. AREA	Gravel Backfill for Slope Stab. CU. YDS.
Side Line @ 294+75															
119		0													
	31		24												
+50		42													
	42		1262												
+75		1230													
	685		6411												
1		3474													
	683		6349												
+50		1370								0		0		0	
			8794								23		23		23
2		1453								25		25		25	
		1878	1742								88		88		88
+50		1733								90		90		90	
			428								65		65		65
3		30								0		0		0	
			38												
+50		11													
			19												
4		10													
			20												
+50		12													
			39												
5		30													
CARRIED FORWARD															
COLUMN TOTAL		19177								176		176		2384	

PROJECT MORETOWN

PROJECT MORETOWN NO. S0167(9)
SHEET 2 OF 5

VHW 11-25-67

15001

FINAL EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROJECT MIDDLETOWN

PROJECT MIDDLETOWN NO. S0167(9)
SHEET 3 OF 5

1 item 11-29-61

FINAL EARTHWORK SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

STATION	DIST	Rem. Next Line TOTAL EXCAV. EARTH & ROCK AREA	CU. YDS.	Rock Exc. To Next Line AREA	CU. YDS.	Total Overhaul AREA	CU. YDS.	Up to 10% Allow. Underbreakage Based on Final AREA	CU. YDS.	AREA	CU. YDS.	Stone Fill Item 511 AREA	CU. YDS.	Unclassified Channel Exc. Item 108-C AREA	CU. YDS.
245												619' / 2324		100'	
	50							Stone Fill				1954'	317'		168'
120												223 / 3455		811'	
	50							Uncl. Channel Exc.				1474'	219'		1431
296												90'	Bulk'	75'	
	25											090		07	
17													Bulk	(B.34'	
+25												0'	62'	0'	51'
+50	25											143'	264'	100'	138'
266	50											164'	312'	59'	69'
+50	50							Stone Fill - 3.00				173'	329'	36'	75'
267	50							Unc. Channel Exc - 781				182'	327'	45'	85'
+50	50											171'	338'	47'	86'
268	50											194'	347'	46'	87'
+50	50											183'	373'	46'	70'
269	50											172'	327'	28'	59'
+50	50											176'	336'	36'	61'
270	50											187'	341'	36'	66'
+50	50											181'	336'	41'	78'
271	50											182'	335'	43'	75'
+50	50							Stone Fill - 2.90 / 2837	C.Y. 2178			181'	341'	32'	61'
272	50							Unc. Channel Exc. 532				188'	342'	28'	54'
+50	50											187'	316'	30'	56'
273	50											160'	294'	30'	44'
+50	50											158'	271'	18'	49'
274	50											133'	193'	35'	41'
+50	50											73'	196'	9'	81'
275												Bulk		01	
+35	15	01	15'	01	13'	01	2'		2'						
277		53'		43'		8'									
	25		58'		49'		9'		5'						
+25	25	63'	47'	58'	43'	12'	6'		4'			Final Rock - 1858			
150		38'		32'		1'						12% Overbreakage 110			
	25		49'		46'		13'		5'			Total " 1796			
275	25	65'	116'	66'	111'	26'	18'		11'						
+25	25	133'	131'	129'	126'	0'	4'		4'						
276		100'		100'		3'									
	25		121'		120'		29'		13'						
150	25	162'	156'	160'	147'	56'	25'		15'						
175		175'		157'		0									
	25		175'		161'		11'		11'						
277		204'		204'		23'									
	25		158'		158'		17'		15'						
275		123'		106'		13'									
	25		104'		102'		5'		0'						
150		96'		95'		5'									
	25		97'		97'		16'		10'						
175		114'		114'		30'									
	17		78'		78'		22'		0'						
192	Bulk	132'		132'		40'									
220		—		—		—									
415	Bulk	195'		195'		78'									
	10		38'		84'		22'		8'						
425		293'		293'		39'									
	25		260		260		30'		26'						
450		308'		308'		33'									
CARRIED FORWARD						344'		52'		34'				6316	
COLUMN TOTAL				1596		226		44'							

STATION	DIST	Rem. Next Line TOTAL EXCAV. EARTH & ROCK AREA	CU. YDS.	Rock Exc. To Next Line AREA	CU. YDS.	Total Overhaul AREA	CU. YDS.	Up to 10% Allow. Underbreakage Based on Final AREA	CU. YDS.
450		303'		303'		33'			
	25		292'		257'		28'		23'
475		322'		311'		23'			
	25		284'		284'		17'		17'
281		302'		302'		8'			
	25		289'		259'		31'		29'
+25		322'		322'		58'			
	25		272'		261'		53'		28'
+50		157'		156'		57'			
	25		269'		269'		90'		39'
+75		425'		424'		71'			
	25		393'		377'		21'		21'
282		402'		390'		98'			
	25		367'		339'		41'		34'
+25		397'		346'		50'			
	25		364'		363'		23'		23'
+50		440'		437'		0'			
	25		518'		496'				
+75		469'		458'		0'			
	25		693'		665'		21'		2'
283		528'		508'		4'			
	25		698'		663'		57'		2'
+25		670'		640'		6			
	25		635'		536'		16'		16'
+50		707'		629'		28'			
	25		413'		371'		26'		26'
+75		189'		177'		28'			
	25		215'		215'		47'		28'
284		410'		410'		73'			
	25		717'		717'		32'		32'
+25		1182'		1132'		40'			
	25		1059'		1059'		45'		45'
+50		1165'		1159'		57'			
	25		928'		891'		26'		26'
+75		347'		320'		0			
	25		359'		356'				
285		01		01					
CARRIED FORWARD									
COLUMN TOTAL				8513'		463'		401'	

STATION	DIST	TOTAL EXCAV. EARTH & ROCK AREA	CU. YDS.	ROCK AREA	CU. YDS.
CARRIED FORWARD					
COLUMN TOTAL					

PROJECT Moretown

PROJECT Moretown NO. S0167(3)
SHEET 4 OF 5

J Rowe 11-29-67

FINAL EARTHWORK SUMMARY SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

NOTES	STATIONS		TOTAL EXCAVATION DESIGN	TOTAL EXCAVATION FINAL	TOTAL EXCAVATION DIFFERENCE	NEAT LINE DESIGN	NEAT LINE FINAL	NEAT LINE DIFFERENCE	OVERBREAKAGE 75% DESIGN OVERBREAK	OVERBREAKAGE 75% FINAL OVERBREAK	OVERBREAKAGE DIFFERENCE	UNAUTHORIZED WASTE Sub Base or Gravel DESIGN	UNAUTHORIZED WASTE Sub Base or Gravel FINAL	UNAUTHORIZED WASTE Sub Base or Gravel DIFFERENCE	GRAVEL BORROW for Sub Base or Gravel DESIGN	GRAVEL BORROW for Sub Base or Gravel FINAL	GRAVEL BORROW for Sub Base or Gravel DIFFERENCE	UNDERCUT Class I DESIGN	UNDERCUT Class I FINAL	UNDERCUT Class I DIFFERENCE	UNDERCUT Class II DESIGN	UNDERCUT Class II FINAL	UNDERCUT Class II DIFFERENCE
	209	210	347	301	- 46	-	-	-															
	210	215	2362	2474	+ 112	42	250	+208	11	11	±												
UNDERCUT NOT USED ENOUGH ON SHEET	215	220	10121	9303	- 818	219	214	- 5	43	22	- 21	628	622	- 6	795	406	-389		569				
	220	225	5093	4787	- 306	-	-	-				430	425	- 5	460	310	-150		360				
	225	230	4982	10,333 5782	+ 800	1063	0	-1063							638	164	-474						
	230	235	6825	6498 6334	- 491	1207	356	-1601	55	21	- 34				2499	1608	- 891			1415			
	235	240	3790	4150	+ 360	1745	1506	- 289	60	59	- 1												
	240	245	3149	2863	- 286	-									336	1037	+ 202						
Ditch Left Called In	245	250	37976	35139 34412	- 564	1141	1075	- 66	235	98	- 137	10	771	+ 771	3235	3202	- 33			647			
	250	255	573	482	- 91	2	3	+ 1	2	0	- 2	0	74	+ 74	70	65	- 5			371			
	255	260	646	647	+ 1	154	223	+ 69	74	23	- 51												
INCREASED due to ledge	260	265	7794	7448	+ 654	3198	4190	+ 992	891	419	- 472				354	240	- 114						
	265	270	257	241	- 16	-	-	-							86	54	- 32						
	270	275	312	604	- 208	29	0	- 29															
	275	280	6978	7437	+ 459	859	1252	+ 413	174	110	- 64				535	416	- 119						
	280	285	17309	18036	+ 573	7748	8851	+1112	315	435	+ 80				688	112	- 576						
	285	290	1202	1165	- 36	104	0	- 104															
	290	295	184	126	- 58	-																	
	295	300	10241 10041	8856	- 1385 - 1185	-						912	1350	+ 438	1372	945	- 427		1330				
	300	305	3750 3426	3363 3426	- 324	-						992	2077	+1083	31	32	+ 1		2057				
UNDERCUT 305 NOT complete	305	309	1049	313	- 736	-						250	965	+ 715					206				
ROADWAY TOTAL			225,900	215,254 217,351	- 9446 - 7349	10083	17876	- 212	2060	1198	- 862	3218	6284	+3070	11,605	8593	-3007		4542		2099		
					C/C 1-25-68																		
BEGINNING PROJECT Angle @ 2094 334 Ll Angle @ 2944 73 Ll			243	188	- 55																		
			307	0	- 307																		
			19,417	19,177	- 240							0	176	+176	2180	2344	+ 168			176			
TURNOUT:			10	0	- 10																		
DRIVES: (Const) BK's 26/46			66	36	- 30																		
DRIVES: (ROW) BK's 26 PG 6			1602	552	-1050																		
UNDERCUT CLASS "I" this SHEET			INCLUDED ABOVE	4542	+4542																		
PROJECT Totals			245,545	237,744 240370	-5796 -5172	10083	17876	+ 212	2060	1198	- 862	3218	6460	3246	13786	10,985	-2549		4542		2275		
					C/C 1-25-68																		
				217,351		BREAKDOWN																	
				215,254																			
	MAINLINE																						
	NEAT LINE ROCK		17876																				
	TOTAL OVERBREAKAGE		2060																				
60% pg 24	USED BOVE		6021	-10865																			
				196,792																			
				196,490																			
	CLASS I EXC.			+ 4542																			
	Total Comm. Exc. 1103-A1			201,032	C/C 1-25-68																		
				200,934																			

TOTALS 215,254

NOTES
Item 511 Stone Fill = 22,774 (C/C)
Item 1080 Unclassified Excavation = 5132 (C/C 1-25-68)

COLUMN SUMMARY

SHEET	COLUMN	EXCAVATION	ROCK	FILL	UNCLASSIFIED	CLASS II	203	203A	709
1	1	32,007			1253	929		1041	780
	2	110,890				2099	845	2284	1092
	3	8836						579	
2	1	57589					508		
	2	15,001			3613		4392	977	
		36,008			4542				
		72,590							
3	1		5832						45
	2		2758						167
	3		4287						693
4	1		1596						144
	2		8513						901
ROADWAY TOTAL		215,254 217,351	17,876		4542	2099	6284 5593		1198
TOTALS									

REMARKS

PROJECT Moretown

PROJECT Moretown NO. SDN 6713
SHEET 5 OF SHEETS 5

11-30-67

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1	MORGAN, RALPH E. & IRMA B.	10	207+00 LT. 208+82 LT. 209+33 LT.	209+34 LT.	0.22 A	4.88 A	DRIVE DRIVE			DRIVE			SHED 2,330 SQ. FT. PRESENT R.O.W.
2	KENNEDY, RAYMOND C. & ANGELIA R.	10	207+00 RT. 209+20 RT. 209+33 LT. 210+14 LT. 210+90 CL.	212+54 RT.	1.0 A	126.5 A	DRAINAGE DRIVE DRIVE SEWER LINE CROSSING						0.35 A PRESENT R.O.W.
3	KENNEDY, GENE R. & NANCY R.	10	211+97 LT.	215+87 LT.	0.05 A	2.5 A							HOUSE & GARAGE 750 SQ. FT PRESENT R.O.W.
4	THOMPSON, CLYDE A. & DELLA M.	10	212+20 LT. 216+10 LT.	216+28 RT. 216+30 RT.	1.0 A	7200 SQ. FT.	CHANNEL						HOUSE & GARAGE 0.5 A PRESENT R.O.W.
5	ROBERTSON, ERNEST J. & THELMA R.	10, 11	215+85 LT. 216+00 RT. 215+30 LT.	219+72 RT. 216+30 RT. 215+85 LT.	1.3 A	33.7 A	CHANNEL CHANNEL						HOUSE & STORAGE BLDG. 0.2 A PRESENT R.O.W.
6	ALGER, EARL W. & BIRD S.	11	219+28 LT. 222+00 LT. 224+50 LT. 227+30 LT. 228+00 LT. 229+00 RT. 226+70 CL. 227+90 LT.	232+25 LT.	4.7 A	87.8 A	DRIVE DRIVE DRIVE DRIVE DRIVE SEWER LINE CROSSING DRAINAGE INLET						1.3 A PRESENT R.O.W.
7	WARD, OWEN M. & WYMAN B.	11, 12 235+00	230+34 RT 237+00 RT. 235+46, 238+00 RT.	238+35 LT.	4.2 A	9.8 A	DRIVE DRAINAGE						0.9 A PRESENT R.O.W.
8	WARD LUMBER CO. INC.	12, 13, 14	238+07 RT.	274+25 RT.	16.5 A	63.5 A							4.1 A PRESENT R.O.W.
9 A	WARD, MERLIN B. & ALINE H.	14	273+85 LT. 275+50 RT. 280+30 RT.	282+20 RT.	3.9 A	13.2 A	DRAINAGE DRAINAGE						2000 SQ. FT. PRESENT R.O.W.
B		15	3+65 S.L.	5+15 S.L.	0.1 A								
10	BROOKS, WALTER C. & ANNA M.	15	282+25 LT. 285+50 CL. 287+00 RT. 289+00 LT. 287+50 RT. 288+00 RT.	293+50 LT.	4.8 A	61.2 A	WATER PIPE CROSSING DRIVE DRIVE DRAINAGE DRAINAGE						
11	BRUCE, CLIFFORD A. & CORA E.	15, 16	291+75 RT. 294+75 RT. 297+50 LT. 300+30 LT. 300+84 LT. 307+38 LT. 304+08 LT.	310+50 RT.	7.0 A	152.0 A	APPROACH DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRIVE						2.2 A PRESENT R.O.W.
12	TOWN OF MORETOWN	10	209+00 LT.	210+00 LT.									ALL RIGHT, TITLE, AND INTEREST IN T.R. #7
13	RYAN, LYLE W. & HOWARD E.	15	3+65 S.L. 5+00 S.L. RT.	5+15 S.L.	3,725 SQ. FT.	0.4 A	DRIVE						

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	11, 12	Take line revised at Nec Hrg.	11-16-64	JTC	

230+16 RT. – 235+45 STATE OF VT. TO TOWN OF MORETOWN BY Q.C.D. DATED 2-21-79 & RECORDED 3-8-79 IN BOOK 35, PAGE 549.

LEGEND

- TAKING WITHOUT ACCESS
- TAKING WITHOUT ACCESS ALONG PROPERTY LINES
- TAKING WITH ACCESS
- SLOPE RIGHTS
- PROPERTY LINE
- TOP OF CUT
- TOE OF SLOPE

MADE BY: R. Galbraith DATE: 5/14/64

CHECKED BY: J.B. Cariappi DATE: 5/15/64

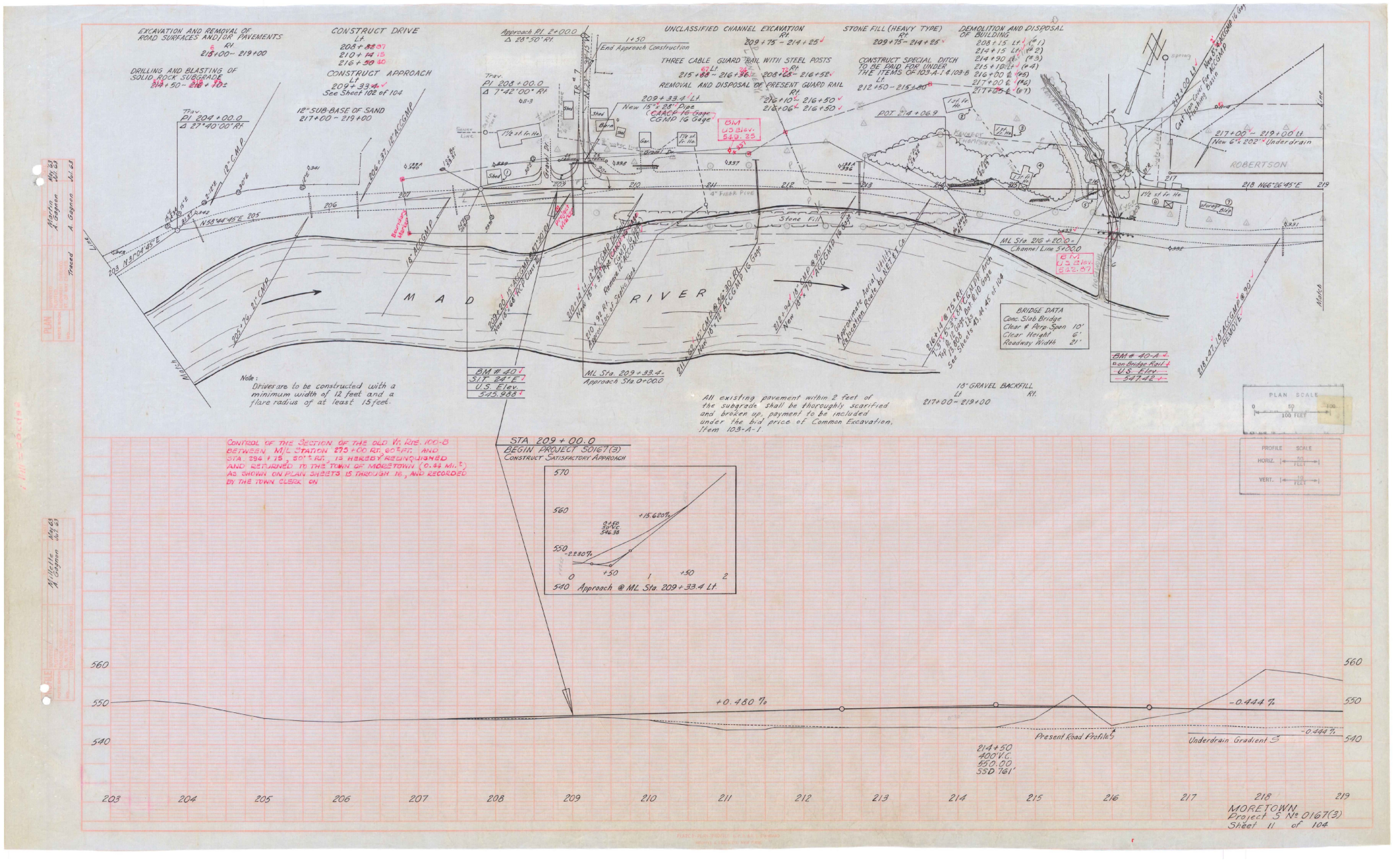
APPROVED: T.C. Bernatchy, DIRECTOR OF PROJECTS DATE: 5-21-64

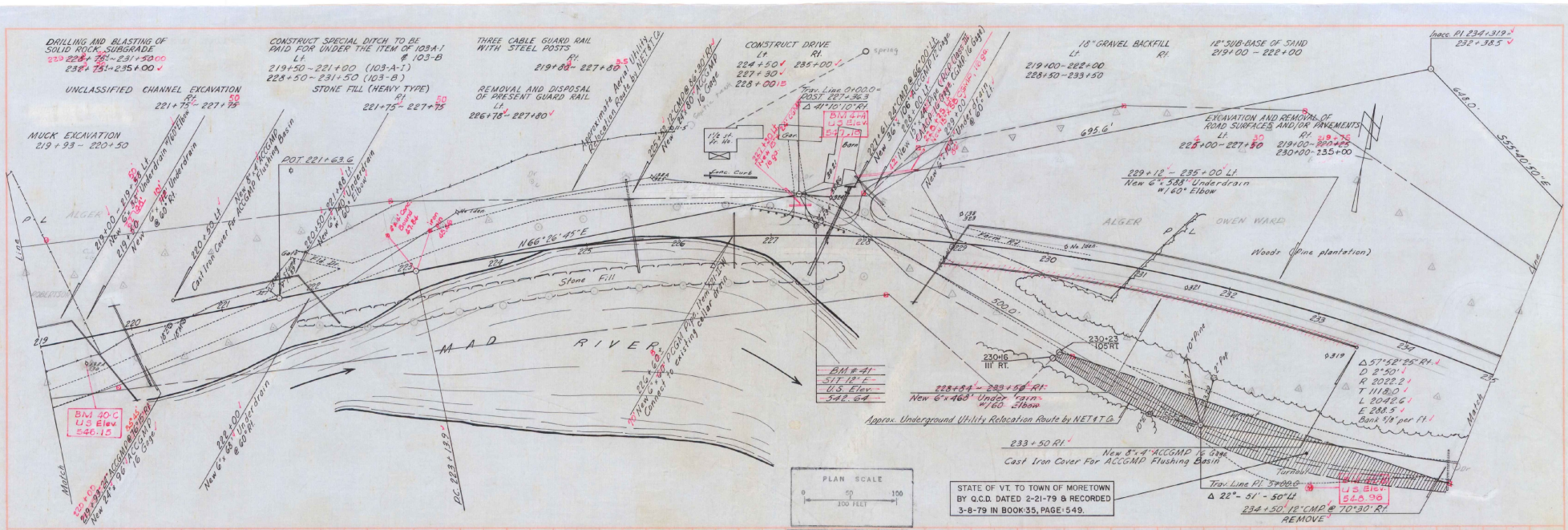
APPROVED: G.M. Lane, CHIEF ENGINEER DATE: 5-21-64

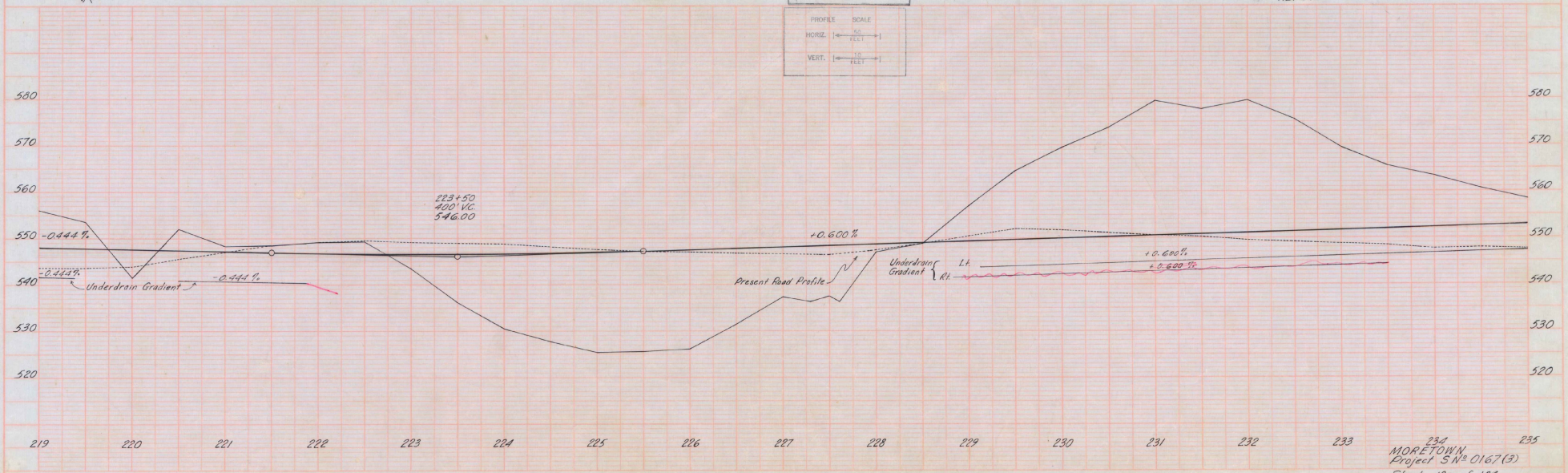
APPROVED: H.P. Rodegan, R.O.W. DIRECTOR DATE: 5-21-64

MORETOWN S 0167(3)

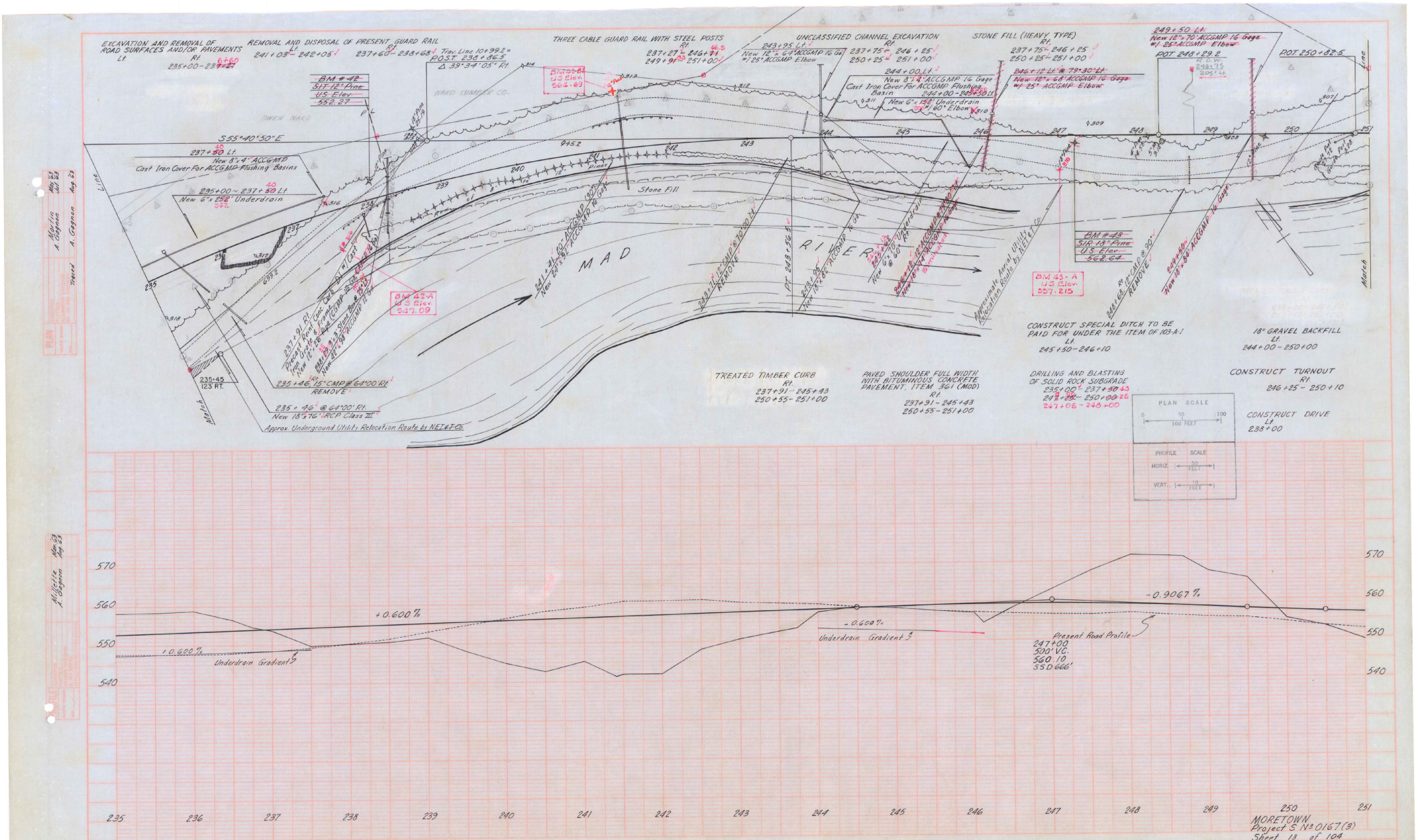
SHEET 10 OF 101 SHEETS


EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS
Rt.
215+00 ~ 219+00
DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
214+50 ~ 216+70±
CONSTRUCT DRIVE
Lt.
208+82 87
210+14 15
216+50 40
CONSTRUCT APPROACH
Lt.
209+33.4
See Sheet 102 of 104
12" SUB-BASE OF SAND
217+00 ~ 219+00
Trav.
PI 204+00.0
Δ 27°40'00" Rt.
Approach PI 2+00.0
Δ 28°50' Rt.
Trav.
PI 208+00.0
Δ 7°42'00" Rt.
1+50
End Approach Construction
UNCLASSIFIED CHANNEL EXCAVATION
Rt.
209+75 ~ 214+25
THREE CABLE GUARD RAIL WITH STEEL POSTS
Lt.
215+88 ~ 216+36
Rt.
208+68 ~ 216+52
REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL
Rt.
216+10 ~ 216+50
216+06 ~ 216+50
209+33.4 Lt.
New 15"x 28" Pipe
(CAACP 16 Gage
CGMP 16 Gage)
BM
US Elev.
549.25
STONE FILL (HEAVY TYPE)
Rt.
209+75 ~ 214+25
CONSTRUCT SPECIAL DITCH TO BE PAID FOR UNDER THE ITEMS OF 103-A-1 & 103-B
Lt.
212+50 ~ 215+80
POT. 214+06.9
DEMOLITION AND DISPOSAL OF BUILDING
208+15 Lt. (#1)
214+15 Lt. (#2)
214+90 Lt. (#3)
215+10 Lt. (#4)
216+00 ℄ (#5)
217+00 ℄ (#6)
217+05 ℄ (#7)
217+00 ~ 219+00 Lt.
New 6"x 202' Underdrain
ROBERTSON
218 N66°26'45"E 219
Stone Fill
4" Fiber Pipe
M A D R I V E R
ML Sta. 216+20.0 =
Channel Line 5+00.0
BM
US Elev.
542.87
BRIDGE DATA
Conc. Slab Bridge
Clear & Perp. Span 10'
Clear Height 6'
Roadway Width 21'
BM # 40-A
on Bridge Rail
U.S. Elev.
547.42
18" GRAVEL BACKFILL
Lt. Rt.
217+00 ~ 219+00
BM # 40
SIT 24" E
U.S. Elev.
545.988
ML Sta. 209+33.4 =
Approach Sta. 0+00.0
Approximate Aerial Utility Relocation Route by NET&T Co.
Note:
Drives are to be constructed with a minimum width of 12 feet and a flare radius of at least 15 feet.
All existing pavement within 2 feet of the subgrade shall be thoroughly scarified and broken up, payment to be included under the bid price of Common Excavation, Item 103-A-1.
PLAN SCALE
0 50 100
100 FEET
PROFILE SCALE
HORIZ. 50 FEET
VERT. 10 FEET
CONTROL OF THE SECTION OF THE OLD VT. RTE. 100-B BETWEEN M/L STATION 275+00 RT., 60± FT. AND STA. 294+75, 50'± RT., IS HEREBY RELINQUISHED AND RETURNED TO THE TOWN OF MORETOWN (0.44 MI.±) AS SHOWN ON PLAN SHEETS 15 THROUGH 16, AND RECORDED BY THE TOWN CLERK ON
STA 209+00.0
BEGIN PROJECT S0167(3)
CONSTRUCT SATISFACTORY APPROACH
570
560
550
540
0+50
50' V.C.
546.38
+15.620%
-2.280%
0
+50
1
+50
2
Approach @ ML Sta. 209+33.4 Lt.
560
550
540
+0.480%
-0.444%
Present Road Profile
Underdrain Gradient
-0.444%
214+50
400' V.C.
550.00
SSD 761'
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
MORETOWN
Project S No 0167(3)
Sheet 11 of 104

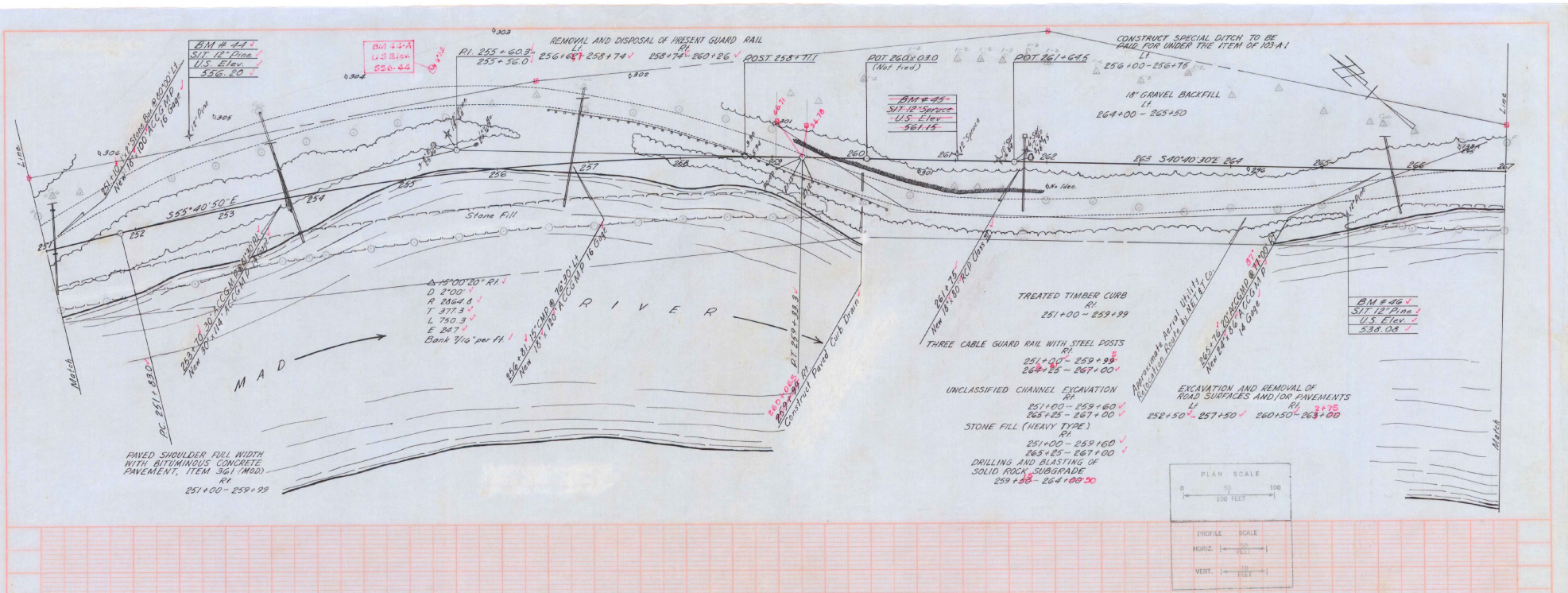


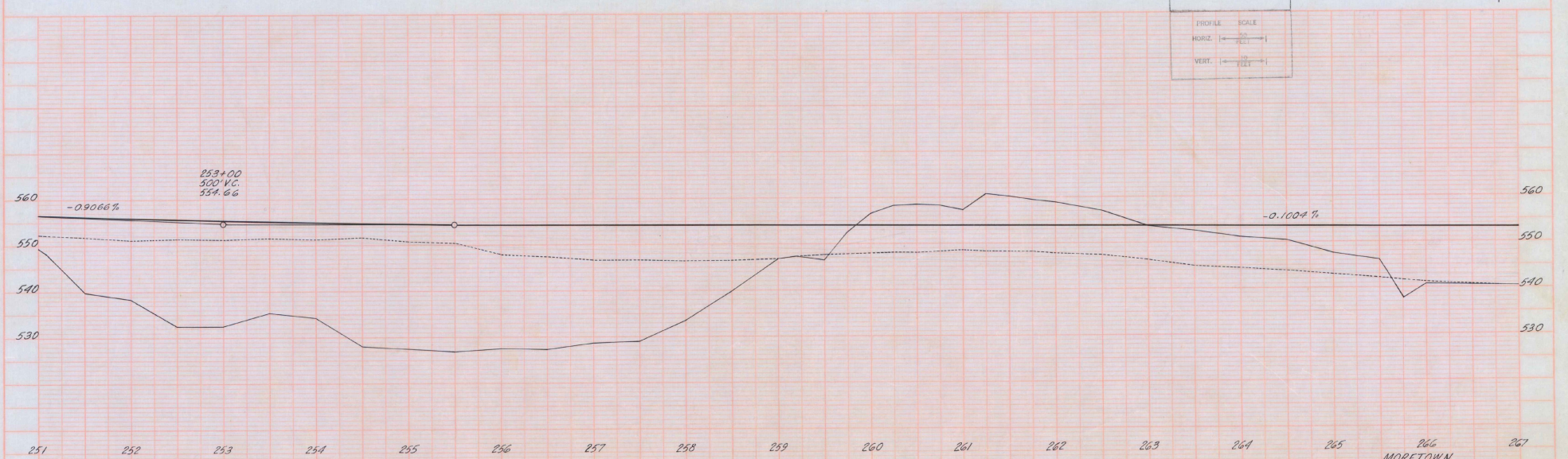


MORETOWN
Project S.N. 0167(3)
Sheet 12 of 104

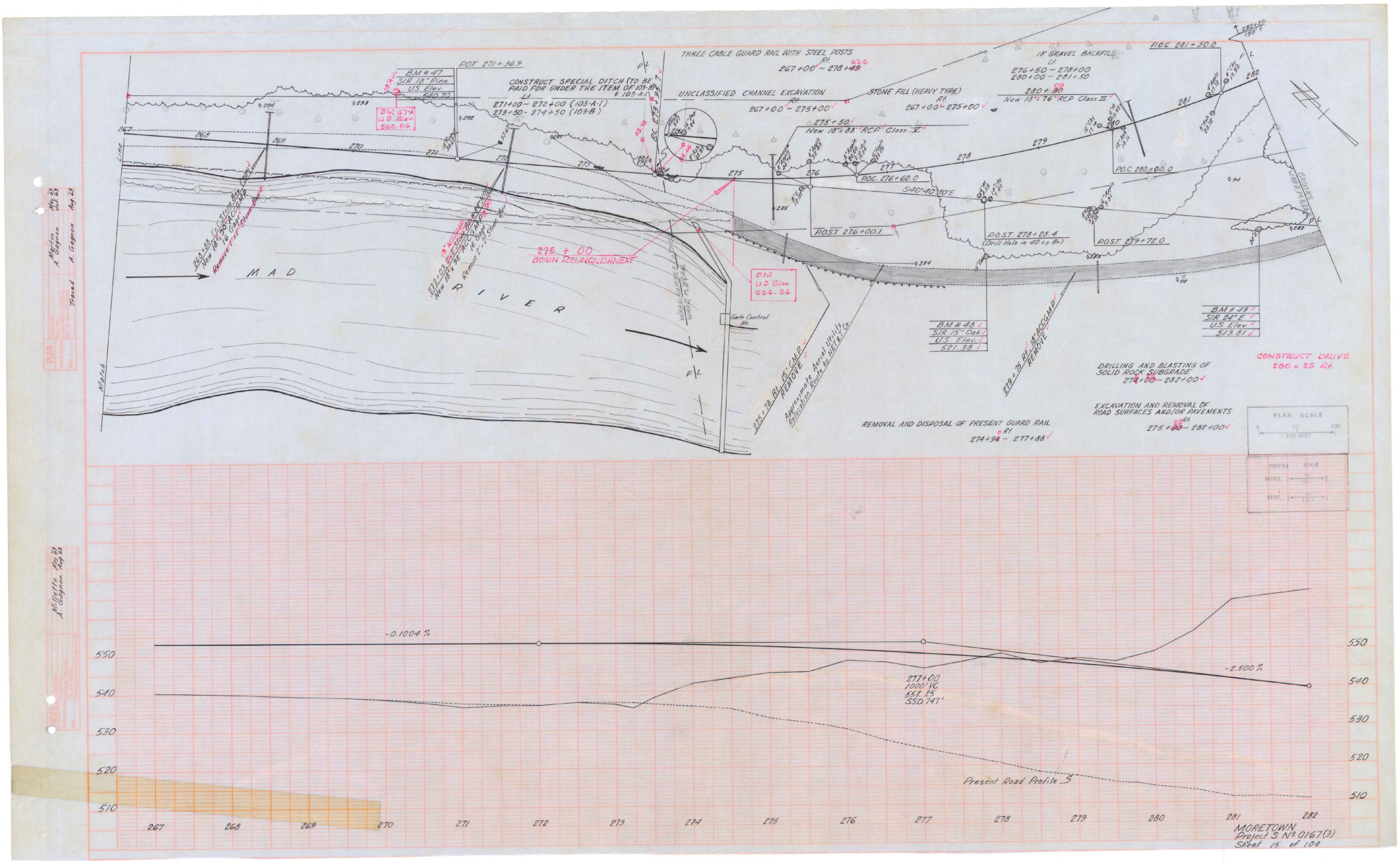


MORETOWN
Project S.N.º 0167(3)
Sheet 13 of 104

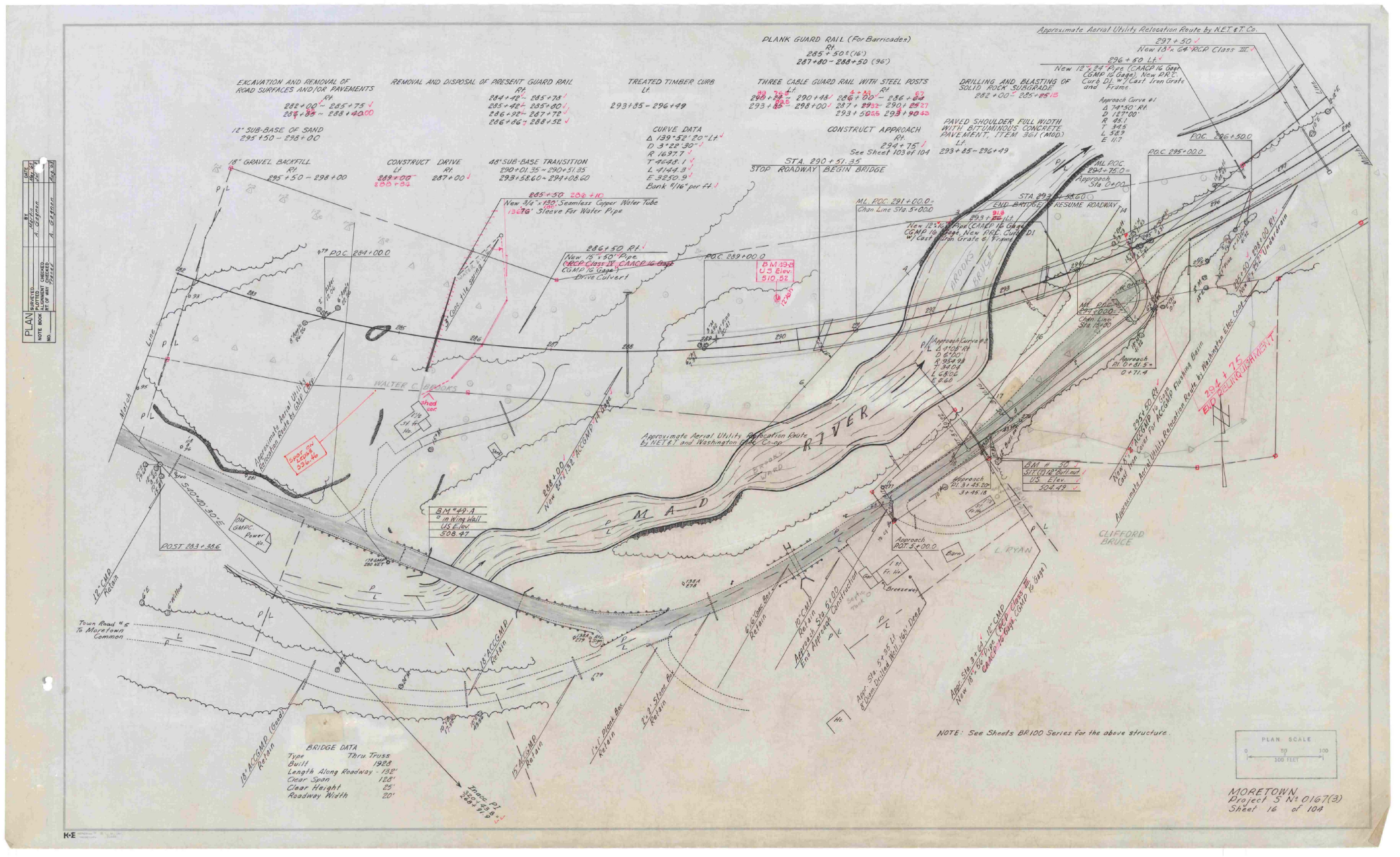


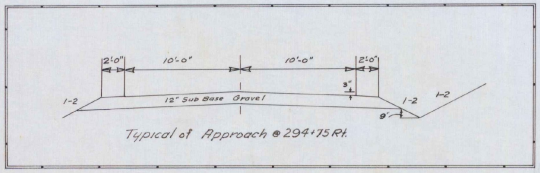


MORETOWN
Project S. N° 0167(3)
Sheet 14 of 104

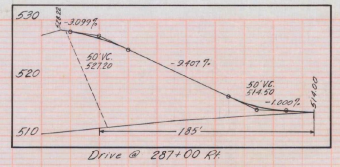


MORETOWN
Project S № 0167(3)
Sheet 15 of 104

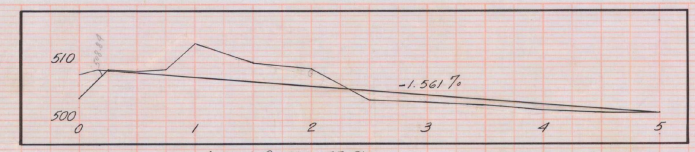

PLANK GUARD RAIL (For Barricades)
Rt.
285+50±(16')
287+80 – 288+50 (96')
EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS
Rt.
282+00 – 285+75
287+80 – 288+40.00
REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL
Rt.
284+42 – 285+78
285+42 – 285+80
286+92 – 287+72
286+86 – 288+52
TREATED TIMBER CURB
Lt.
293+85 – 296+49
THREE CABLE GUARD RAIL WITH STEEL POSTS
Lt.
290+48 – 290+98
293+00 – 298+00
Rt.
286+80 – 286+87
287+89 – 290+28.27
293+50 – 293+90.45
DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
282+00 – 285+85.18
Approximate Aerial Utility Relocation Route by N.E.T. & T. Co.
297+50
New 18"x 64' RCP Class III
296+50 Lt.
New 12"x 24' Pipe (CAACP 16 Gage CGMP 16 Gage), New R.R.C. Curb DI. w/ Cast Iron Grate and Frame.
Approach Curve #1
Δ 74°50' Rt.
D 127°00'
R 45.1
T 34.5
L 58.9
E 11.7
P.O.C. 296+50.0
P.O.C. 295+00.0
CURVE DATA
Δ 139°52' 20" Lt.
D 3°29' 30"
R 1637.7
T 4648.1
L 4144.3
E 3250.9
Bank 11/16" per ft.
STA. 290+51.35
STOP ROADWAY BEGIN BRIDGE
CONSTRUCT APPROACH
Rt.
294+75
See Sheet 103 of 104
Lt.
293+85 – 296+49
PAVED SHOULDER FULL WIDTH WITH BITUMINOUS CONCRETE PAVEMENT, ITEM 361 (MOD)
18" GRAVEL BACKFILL
Rt.
295+50 – 298+00
CONSTRUCT DRIVE
Lt.
288+00
288+34
Rt.
287+00
48" SUB-BASE TRANSITION
290+01.35 ~ 290+51.35
293+58.60 ~ 294+08.60
12" SUB-BASE OF SAND
295+50 – 298+00
285+50 288+10
New 3/4" x 130' Seamless Copper Water Tube in 136' Sleeve For Water Pipe
286+50 Rt.
New 15"x 50' Pipe CRCP Class IV CAACP 16 Gage CGMP 16 Gage Drive Culvert
P.O.C. 289+00.0
P.O.C. 284+00.0
ML. P.O.C. 291+00.0 = Chain Line Sta. 5+00.0
ML. P.O.C. 294+75.0 = Approach Sta. 0+00.0
STA 293+58.60 END BRIDGE / RESUME ROADWAY
293+81.8 Lt.
New 12"x 24' Pipe (CAACP 16 Gage CGMP 16 Gage), New R.R.C. Curb DI w/ Cast Iron Grate & Frame
ML. P.O.C. 295+00.0 = Chain Line Sta. 15+00
Approach Curve #2
Δ 41°08' Rt.
D 6°00'
R 954.93
T 360.4
L 686
E 66.0
Approach P.I. 0+81.5 = 0+71.4
294+75 END REINFORCEMENT
BM #49-A
"a" in Wing Wall
US Elev. 508.97
BM #50
Sit (3) 12" Burl mit
US Elev. 504.99
BM 49-B
US Elev. 510.52
288+00
New 84"x 132" ACCOMP 16 Gage
295+50 Rt.
New 18"x 64' RCP Class III CAACP 16 Gage CGMP 16 Gage Flushing Basin
New 18"x 56' Pipe (RCP Class III CAACP 16 Gage CGMP 16 Gage) Cover For ACCGMP Flushing Basin
Approximate Aerial Utility Relocation Route by Washington Elec. Coop.
Approximate Aerial Utility Relocation Route by N.E.T. and Washington Elec. Co-op.
Approximate Aerial Utility Relocation Route by Moretown Common Road by N.E.T. Co.
WALTER C. BROOKS
CLIFFORD BRUCE
L. RYAN
MAD RIVER
POST 283+38.6
S 50°40' 30" E
Town Road 4 & To Moretown Common
Trans. Pt. 322+23.4 228+91.9
Approach Sta. 5+00.0 End Approach Construction
Appr. Sta. 5+85.5 ft. 8 Diam. Drilled Well (est. Depth)
Appr. Sta. 3+ Cst. 12" CMP
Breezeway
Barn
Shed
Fr. Ho.
Ho.
Garage
Approach P.I. 3+45.20 = 3+45.18
Approach P.O.T. 5+00.0
Approach Sta. 0+00.0
Approach P.I. 0+81.5 = 0+71.4
Approach Curve #1
Δ 74°50' Rt.
D 127°00'
R 45.1
T 34.5
L 58.9
E 11.7
Approach Curve #2
Δ 41°08' Rt.
D 6°00'
R 954.98
T 360.4
L 686
E 66.0
BRIDGE DATA
Type Thru Truss
Built 1928
Length Along Roadway - 132'
Clear Span 128'
Clear Height 25'
Roadway Width 20'
NOTE: See Sheets BR100 Series for the above structure.
PLAN SCALE
0 50 100
100 FEET
MORETOWN
Project S № 0167(3)
Sheet 16 of 104
PLAN
SURVEYED: DATE: Aug. 62
PLOTTED: BY: A. Sayles
ALIGNMENT CHECKED: A. Carlson
NOTE BOOK PROFILE CHECKED: A. Carlson
INT. OF ART SPACED: Aug. 63



Typical at Approach @ 294+75 Rt.



Drive @ 287+00 Rt.



Approach @ 294+75 Rt

290+51.35
STOP ROADWAY | BEGIN BRIDGE

293+58.60
END BRIDGE | RESUME ROADWAY

-2.500%

297+50
600' VC
501.00

Present Road Profile

Underdrain Gradient

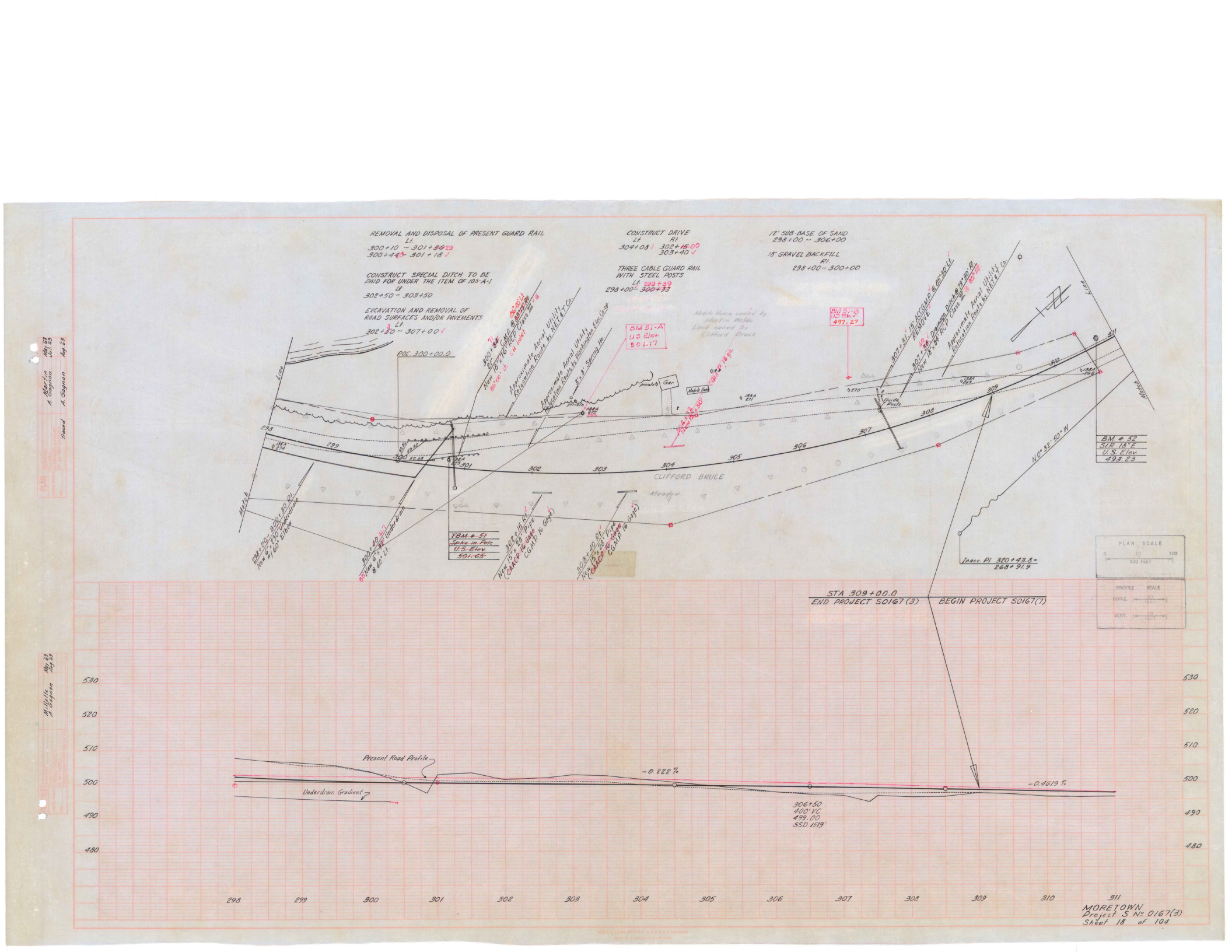
PROFILE SCALE
HORIZ. 1" = 10'
VERT. 1" = 5'

560 550 540 530 520 510 500 490 480 470

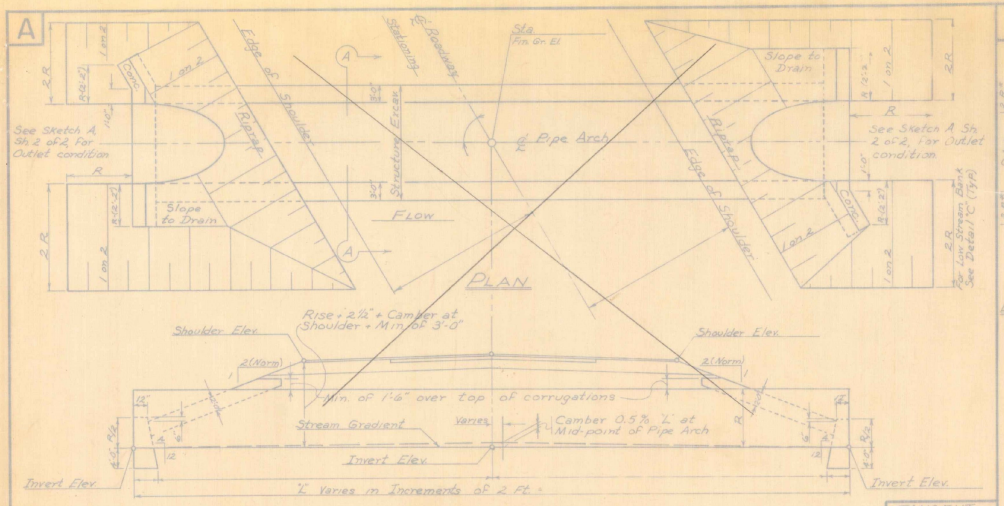
282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298

See Sheets BR 100 Series for the above Structure

MORETOWN
Project S № 0167(3)
Sheet 17 of 104

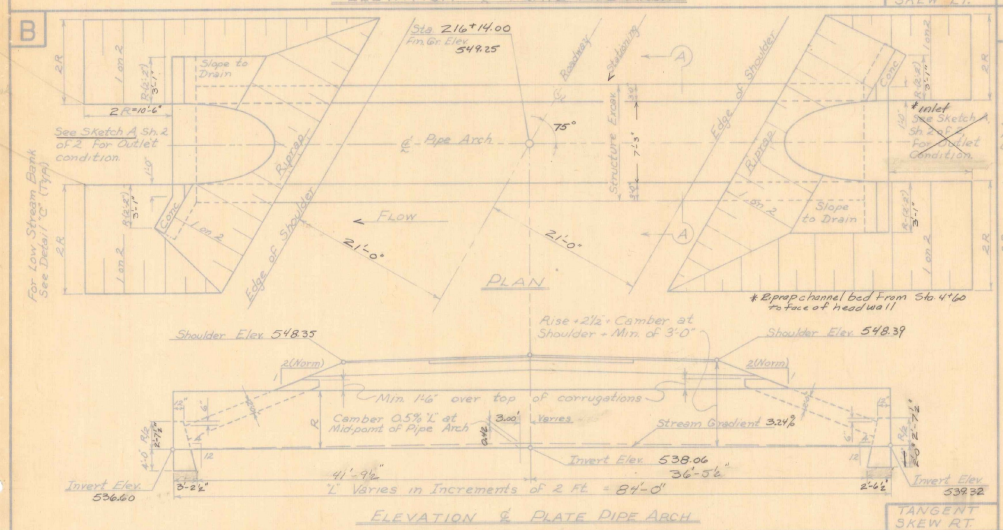

REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL
Lt.
300+10 ~ 301+39
300+48 ~ 301+18
CONSTRUCT SPECIAL DITCH TO BE PAID FOR UNDER THE ITEM OF 103-A-1
Lt
302+50 ~ 303+50
EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS
Lt
302+20 ~ 307+00
CONSTRUCT DRIVE
Lt
304+08
Rt
302+15.00
303+40
THREE CABLE GUARD RAIL WITH STEEL POSTS
Lt 299+39
298+00 ~ 300+33
12" SUB-BASE OF SAND
298+00 ~ 306+00
18" GRAVEL BACKFILL
Rt
298+00 ~ 300+00
POC 300+00.0
BM 51-A
U.S. Elev.
501.17
TBM # 51
Spike in Pole
U.S. Elev.
501.65
BM # 52
SIR 18" E
U.S. Elev.
493.23
CLIFFORD BRUCE
Meadow
Mobile Home owned by Martin Waldo
Land owned by Clifford Bruce
Inacc. PI 320+43.8 =
268+91.9
N 0° 32' 50" W
STA 309+00.0
END PROJECT 50167(3)
BEGIN PROJECT 50167(7)
PLAN SCALE
0 50 100
100 FEET
PROFILE SCALE
HORIZ.
VERT.
Present Road Profile
Underdrain Gradient
-0.222 %
-0.4619 %
306+50
400' V.C.
499.00
SSD 419'
MORETOWN
Project S N= 0167(3)
Sheet 18 of 104

A



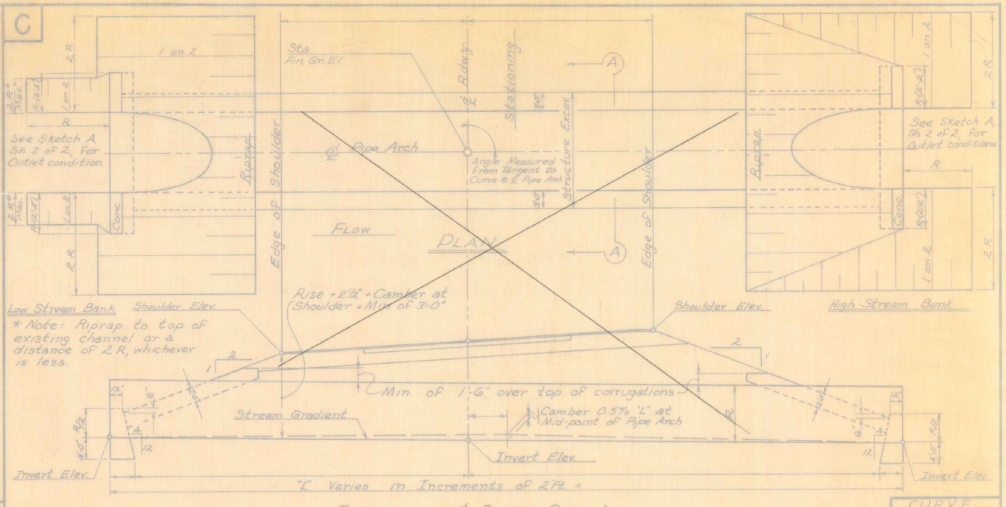
ELEVATION & PLATE PIPE ARCH

B



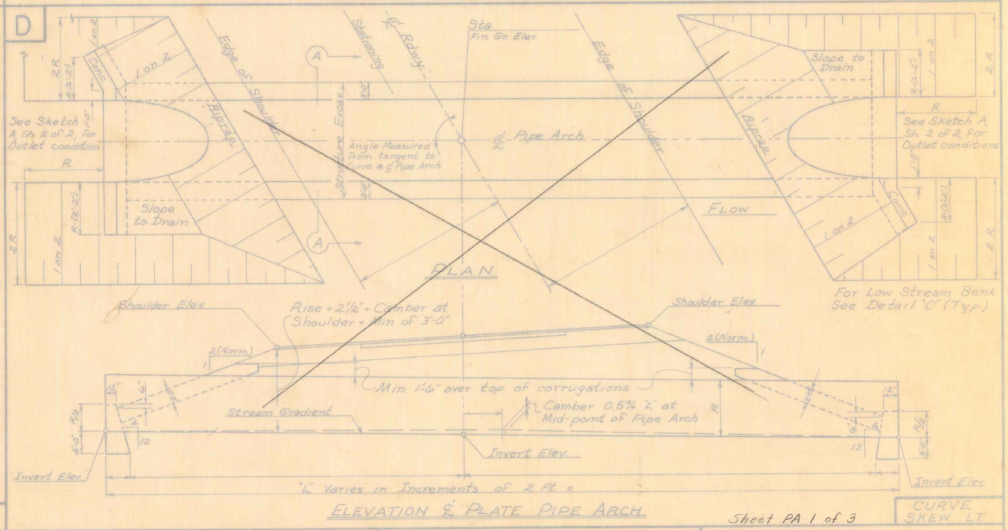
ELEVATION & PLATE PIPE ARCH

C



ELEVATION & PLATE PIPE ARCH

D



ELEVATION & PLATE PIPE ARCH

Sheet PA 1 of 3

Revisions & Corrections

Drawn By: W.B.T. Aug. 1964
Traced By: W.B.T. Aug. 1964
Checked By: W.M.S. August 1964
Recommended For Approval: _____ Bridge Engineer — 8/31/64 Date
Recommended For Approval: _____ Asst. Chief Engineer — 9/1/64 Date
Approved: _____ Chief Engineer — 9/1/64 Date

DETAILS OF PLATE PIPE ARCH

Sheet 1 of 2

USE DETAIL 'B' FOR THIS PIPE ARCH

Use Section 'A-A', Detail 'E', for all pipe arches

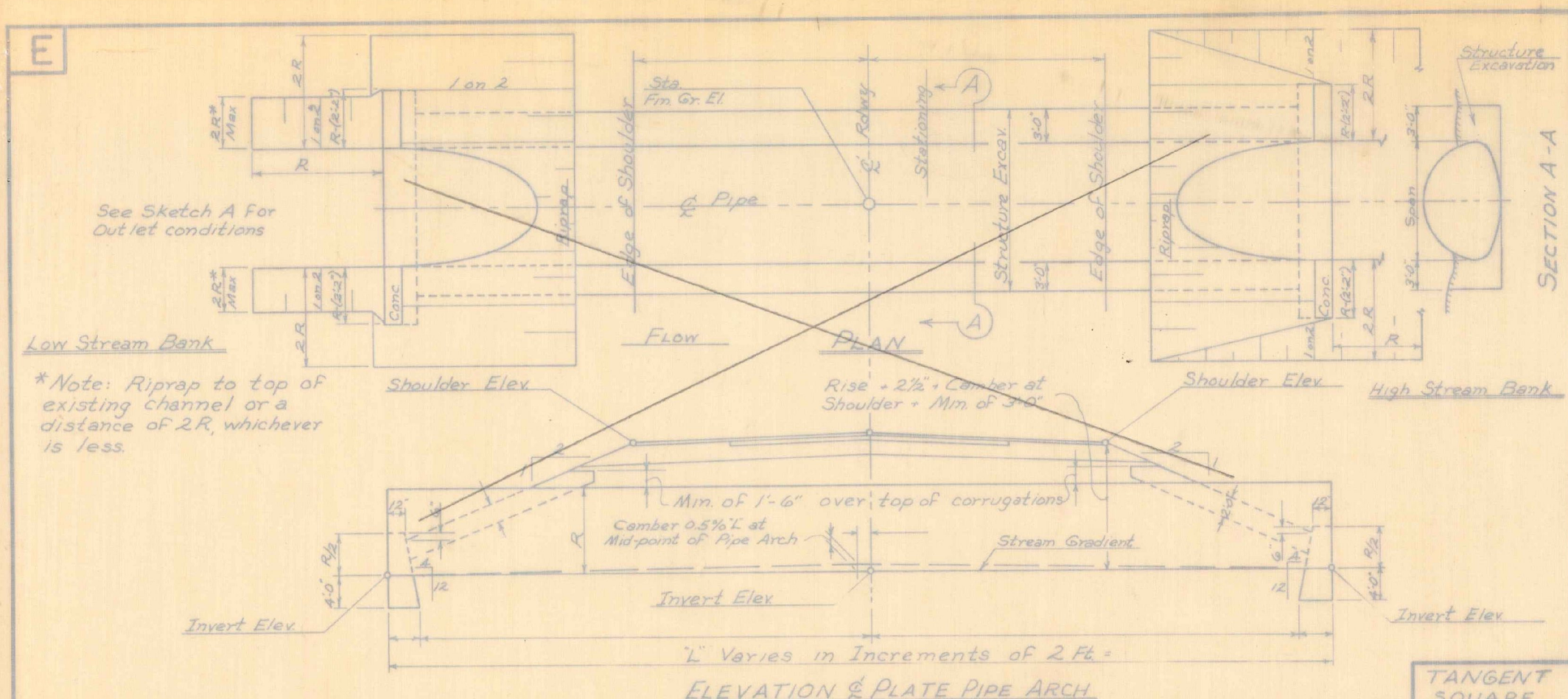
SPAN = 7'-3"
RISE = 5'-3"
O.A. LENGTH = 84'-0"
GAGE TOP Rs 12 GAGE BOT. Rs 10.
CAMBER = 0.42"
TOTAL WEIGHT = 13808#

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
STANDARD STRUCTURES

SB-PA #1

TOWN OF MORETOWN
ROUTE NO. _____ LOG STA. 216+14.00
SURVEYED BY: _____
COMPLETED BY: DWS CHECKED BY: DEP
PROJECT NO. S-0167(3)
SHEET 93 OF 104

E



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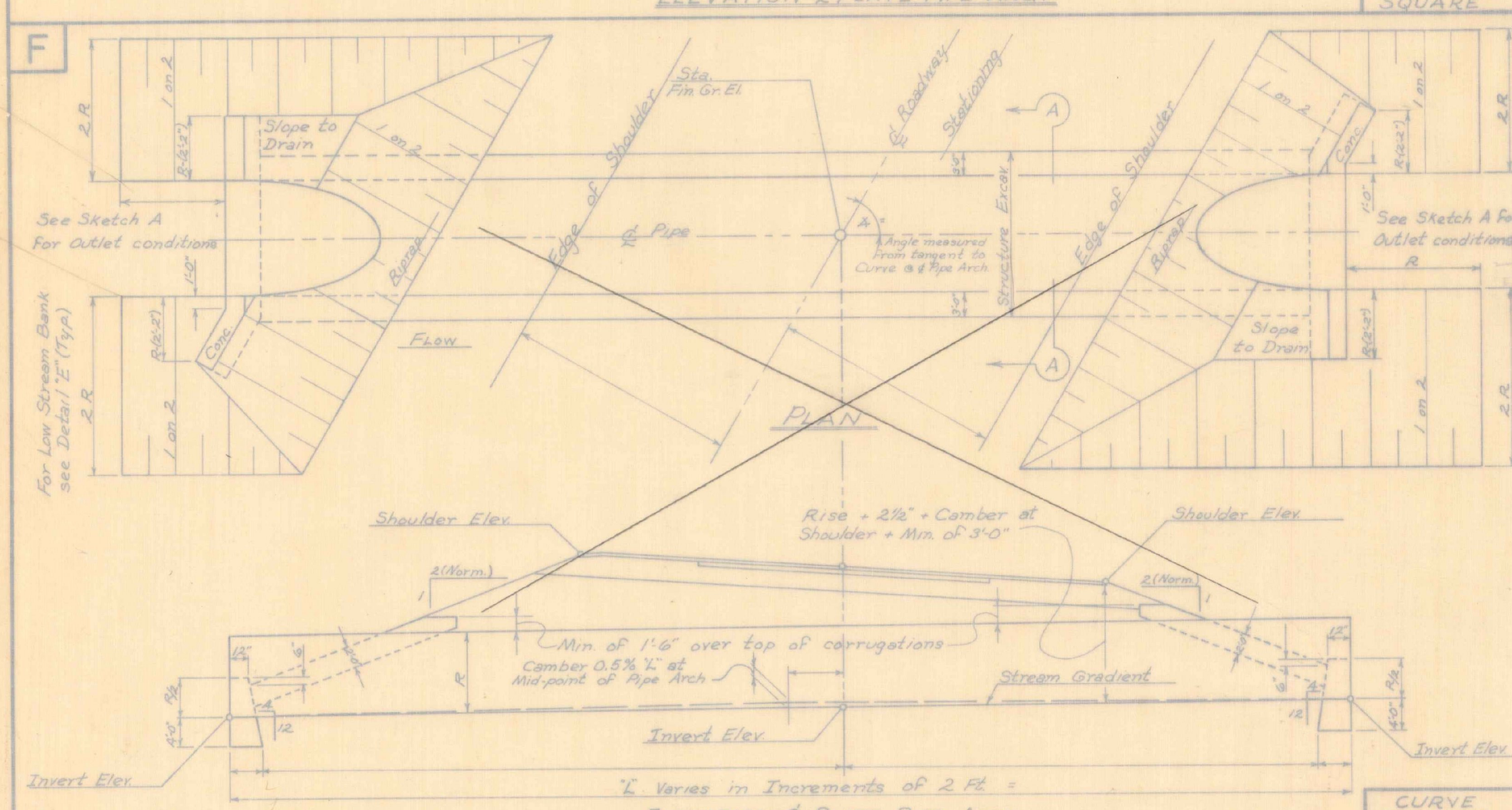


PLATE PIPE ARCH WEIGHT & GAGE TABLES

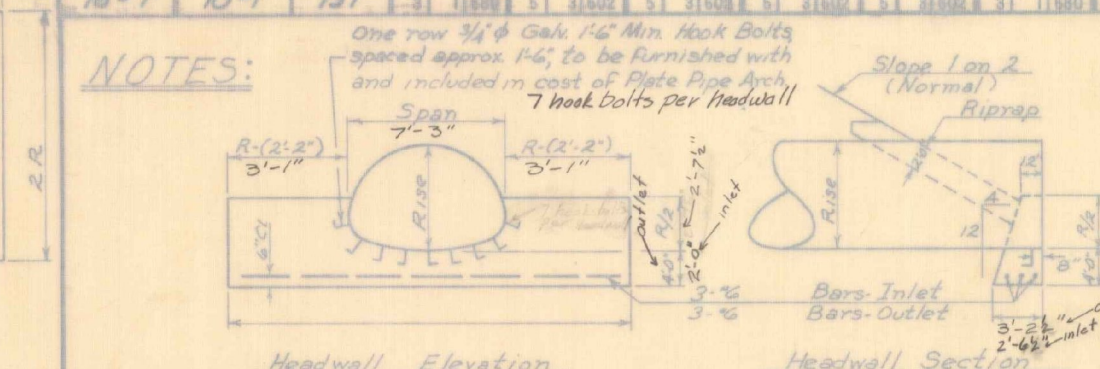
FILL OVER PIPE ARCH			3			4			5			6		
SPAN	RISE	Area Sq. Ft.	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT
6'-1"	4'-7"	22	12	10	130	12	10	130	12	10	130	12	10	130
6'-4"	4'-9"	24	12	10	145	12	10	145	12	10	145	12	10	145
6'-9"	4'-11"	26	12	10	151	12	10	151	12	10	151	12	10	151
7'-0"	5'-1"	28	12	10	155	12	10	155	12	10	155	12	10	155
7'-3"	5'-3"	31	12	10	164	12	10	164	12	10	164	12	10	164
7'-8"	5'-5"	33	10	8	208	12	10	170	12	10	170	12	10	170
7'-11"	5'-7"	35	10	8	214	12	10	174	12	10	174	12	10	174
8'-2"	5'-9"	38	10	8	210	10	8	210	10	8	210	12	10	179
8'-7"	5'-11"	40	10	8	233	10	8	233	10	8	233	10	8	233
8'-10"	6'-1"	43	10	8	238	10	8	238	10	8	238	10	8	238
9'-4"	6'-3"	46	10	8	246	10	8	246	10	8	246	10	8	246
9'-6"	6'-5"	49	10	8	252	10	8	252	10	8	252	10	8	252
9'-9"	6'-7"	52	10	8	258	10	8	258	10	8	258	10	8	258
10'-3"	6'-9"	55	8	7	302	10	8	265	10	8	265	10	8	265
10'-8"	6'-11"	58	8	7	311	10	8	272	10	8	272	10	8	272
10'-11"	7'-1"	61	8	7	318	10	8	278	10	8	278	10	8	278
11'-5"	7'-3"	64	8	7	326	8	7	326	10	8	285	10	8	285
11'-7"	7'-5"	67	8	7	339	8	7	339	10	8	297	10	8	297
11'-10"	7'-7"	71	8	7	346	8	7	346	8	7	346	8	7	346
12'-4"	7'-9"	74	8	7	354	8	7	354	8	7	354	8	7	354
12'-6"	7'-11"	78	8	7	362	8	7	362	8	7	362	8	7	362
12'-8"	8'-1"	81	8	7	370	8	7	370	8	7	370	8	7	370
12'-10"	8'-4"	85	8	7	376	8	7	376	8	7	376	8	7	376
13'-5"	8'-5"	89	7	5	435	8	7	389	8	7	389	8	7	389
13'-11"	8'-7"	93	7	5	444	7	5	444	8	7	397	8	7	397
14'-1"	8'-9"	97	7	5	452	7	5	452	8	7	404	8	7	404
14'-3"	8'-11"	101	5	3	528	7	5	460	7	5	460	7	5	460
14'-10"	9'-1"	105	5	3	538	7	5	469	7	5	469	7	5	469
15'-4"	9'-3"	109	5	3	548	5	3	548	7	5	479	7	5	479
15'-6"	9'-5"	113	5	3	564	5	3	564	7	5	492	7	5	492
15'-8"	9'-9"	118	5	3	573	5	3	573	7	5	500	7	5	500
15'-10"	9'-10"	122	5	3	583	5	3	583	7	5	508	7	5	508
16'-5"	9'-11"	126	3	1	669	5	3	593	5	3	593	5	3	593
16'-7"	10'-1"	131	3	1	680	5	3	602	5	3	602	5	3	602

FILL OVER PIPE ARCH			7			8			9			10		
SPAN	RISE	Area Sq. Ft.	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT
6'-1"	4'-7"	22	12	10	130	12	10	130	12	10	130	12	10	130
6'-4"	4'-9"	24	12	10	145	12	10	145	12	10	145	12	10	145
6'-9"	4'-11"	26	12	10	151	12	10	151	12	10	151	12	10	151
7'-0"	5'-1"	28	12	10	155	12	10	155	12	10	155	12	10	155
7'-3"	5'-3"	31	12	10	164	12	10	164	12	10	164	12	10	164
7'-8"	5'-5"	33	12	10	170	12	10	170	12	10	170	12	10	170
7'-11"	5'-7"	35	12	10	174	12	10	174	12	10	174	12	10	174
8'-2"	5'-9"	38	12	10	179	12	10	179	12	10	179	12	10	179
8'-7"	5'-11"	40	10	8	233	10	8	233	10	8	233	10	8	233
8'-10"	6'-1"	43	10	8	238	10	8	238	10	8	238	10	8	238
9'-4"	6'-3"	46	10	8	246	10	8	246	10	8	246	10	8	246
9'-6"	6'-5"	49	10	8	252	10	8	252	10	8	252	10	8	252
9'-9"	6'-7"	52	10	8	258	10	8	258	10	8	258	10	8	258
10'-3"	6'-9"	55	10	8	265	10	8	265	10	8	265	10	8	265
10'-8"	6'-11"	58	10	8	272	10	8	272	10	8	272	10	8	272
10'-11"	7'-1"	61	10	8	278	10	8	278	10	8	278	8	7	318
11'-5"	7'-3"	64	10	8	285	10	8	285	8	7	326	8	7	326
11'-7"	7'-5"	67	10	8	297	10	8	297	8	7	339	8	7	339
11'-10"	7'-7"	71	8	7	346	8	7	346	8	7	346	8	7	346
12'-4"	7'-9"	74	8	7	354	8	7	354	8	7	354	8	7	354
12'-6"	7'-11"	78	8	7	362	8	7	362	8	7	362	8	7	362
12'-8"	8'-1"	81	8	7	370	8	7	370	8	7	370	7	5	413
12'-10"	8'-4"	85	8	7	376	8	7	376	8	7	376	7	5	420
13'-5"	8'-5"	89	8	7	389	8	7	389	8	7	389	7	5	435
13'-11"	8'-7"	93	8	7	397	7	5	444	7	5	444	5	3	510
14'-1"	8'-9"	97	8	7	404	7	5	452	7	5	452	5	3	519
14'-3"	8'-11"	101	7	5	460	7	5	460	7	5	460	5	3	528
14'-10"	9'-1"	105	7	5	469	7	5	469	5	3	538	3	1	607
15'-4"	9'-3"	109	7	5	479	7	5	479	5	3	548	3	1	619
15'-6"	9'-5"	113	7	5	492	7	5	492	5	3	564	3	1	636
15'-8"	9'-9"	118	7	5	500	5	3	513	3	1	646	3	1	646
15'-10"	9'-10"	122	7	5	508	5	3	583	3	1	657	3	1	657
16'-5"	9'-11"	126	5	3	593	3	1	669	3	1	669	1	1	711
16'-7"	10'-1"	131	5	3	602	3	1	680	3	1	680	1	1	723

FILL OVER PIPE ARCH			11			12			13			14			15		
SPAN	RISE	Area Sq. Ft.	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT	GA. TOP	GA. BOT	WGT. /FT
6'-1"	4'-7"	22	12	10	130	12	10	130	12	10	130	12	10	130	12	10	130
6'-4"	4'-9"	24	12	10	145	12	10	145	12	10	145	12	10	145	10	8	177
6'-9"	4'-11"	26	12	10	151	12	10	151	12	10	151	10	8	185	10	8	185
7'-0"	5'-1"	28	12	10	155	12	10	155	12	10	155	10	8	190	10	8	190
7'-3"	5'-3"	31	12	10	164	12	10	164	10	8	201	10	8	201	10	8	201
7'-8"	5'-5"	33	12	10	170	10	8	208	10	8	208	10	8	208	10	8	208
7'-11"	5'-7"	35	12	10	174	10	8	214	10	8	214	10	8	214	10	8	214
8'-2"	5'-9"	38	10	8	210	10	8	210	10	8	210	10	8	210	10	8	210
8'-7"	5'-11"	40	10	8	233	10	8	233	10	8	233	10	8	233	8	7	265
8'-10"	6'-1"	43	10	8	238	10	8	238	10	8	238	8	7	272	8	7	272
9'-4"	6'-3"	46	10	8	246	10	8	246	8	7	281	8	7	281	8	7	281
9'-6"	6'-5"	49	10	8	252	10	8	252	8	7	288	8	7	288	8	7	288
9'-9"	6'-7"	52	10	8	258	8	7	295	8	7	295	8	7	295	7	5	329
10'-3"	6'-9"	55	10	8	265	8	7	302	8	7	302	8	7	302	7	5	339
10'-8"	6'-11"	58	8	7	311	8	7	311	8	7	311	7	5	348	7	5	348
10'-11"	7'-1"	61	8	7	318	8	7	318	7	5	356	7	5	356	5	3	409
11'-5"	7'-3"	64	8	7	326	8	7	326	7	5	365	7	5	365	5	3	419
11'-7"	7'-5"	67	8	7	339	8	7	339	7	5	378	7	5	378	5	3	434
11'-10"	7'-7"	71	8	7	346	7	5	387	5	3	444	5	3	444	3	1	501
12'-4"	7'-9"	74	7	5	396	7	5	396	5	3	454	5	3	454	3	1	512
12'-6"	7'-11"	78	7	5	404	7	5	404	5	3	464	5	3	464	3	1	523
12'-8"	8'-1"	81	7	5	413	5	3	475	5	3	475	3	1	536	1	1	567
12'-10"	8'-4"	85	7	5	420	5	3	482	5	3	482	3	1	543	1	1	578
13'-5"	8'-5"	89	5	3	499	5	3	499	5	3	499	3	1	563	1	1	597
13'-11"	8'-7"	93	5	3	510	3	1	575	3	1	575	1	1	609	1	1	609
14'-1"	8'-9"	97	5	3	519	3	1	585	3	1	585	1	1	621	1	1	621
14'-3"	8'-11"	101	5	3	528	3	1	595	3	1	595	1	1	633	1	1	633
14'-10"	9'-1"	105	3	1	607	1	1	645	1	1	645						
15'-4"	9'-3"	109	3	1	619	1	1	657	1	1	657						
15'-6"	9'-5"	113	3	1	636	1	1	676	1	1	676						
15'-8"	9'-9"	118	1	1	687	1	1	687									
15'-10"	9'-10"	122	1	1	699	1	1	699									
16'-5"	9'-11"	126	1	1	711												
16'-7"	10'-1"	131	1	1	723												

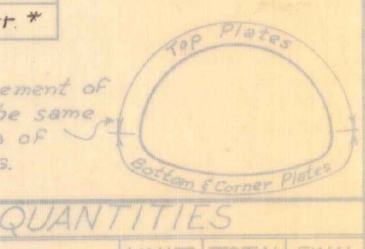
NOTES:

One row 3/4"φ Galv. 1'-6" Min. Hook Bolts spaced approx. 1'-6", to be furnished with and included in cost of Plate Pipe Arch.
7 hook bolts per headwall



Reinforcing Steel

No. Pieces	Size	Length	Mark	Type	
3	6	13'-0"	HWI	Str *	*Bend in field
3	6	13'-0"	HWO	Str *	

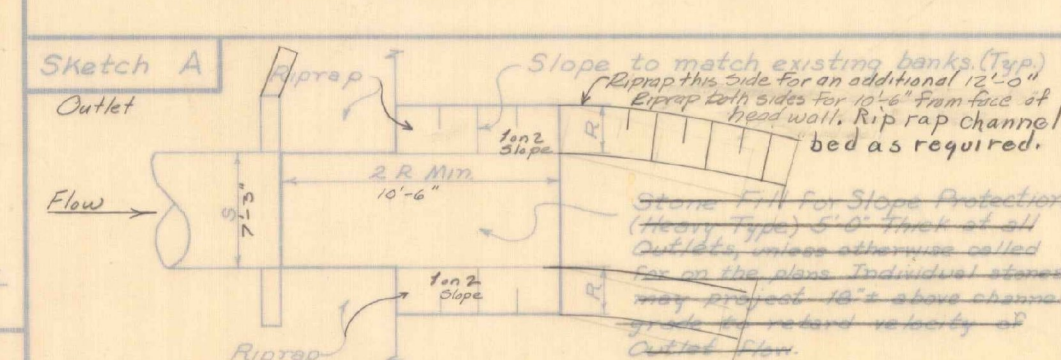


This arrangement of plates is the same for all sizes of Pipe Arches.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL	FINAL
108-C	Unclassified Channel Excavation	c.y.	123	
109	Structure Excavation	c.y.	204	
222-B	Gravel Backfill for Structures	c.y.	15	
401-B	Concrete Class B	c.y.	10	
402	Reinforcing Steel	lbs.	117	
429-B	Corr. Galv. Metal Plate Pipe Arch (13,808#, Top Ga. 12 - Bot Ga. 10, 84'-0")	l.s.		
513A	Riprap (Heavy Type)	c.y.	37	

Sketch A



~~Stone Fill for Slope Protection (Heavy Type) 5'-0" Thick at all Outlets, unless otherwise called for on the plans. Individual stones may project 18"± above channel grade to retard velocity of Outlet Flow.~~

Revisions & Corrections:
4/1/65 ~ Plate Pipe Arch Weight & Gage Tables Revised.

Drawn by: W.B.T. Aug. 1964
Traced by: W.B.T. Aug. 1964
Checked by: W.M.S. August 1964
Recommended For Approval: L.M. Bjorn, Bridge Engineer, Date 8/31/64
Recommended For Approval: R.H. Arnold, Asst. Chief Engineer, Date 9/2/64
Approved: A.D. Bishop, Chief Engineer A.H.O., Date 9/2/64

DETAILS OF PLATE PIPE ARCH

Sheet 2 of 2

USE DETAIL "B" FOR THIS PIPE ARCH

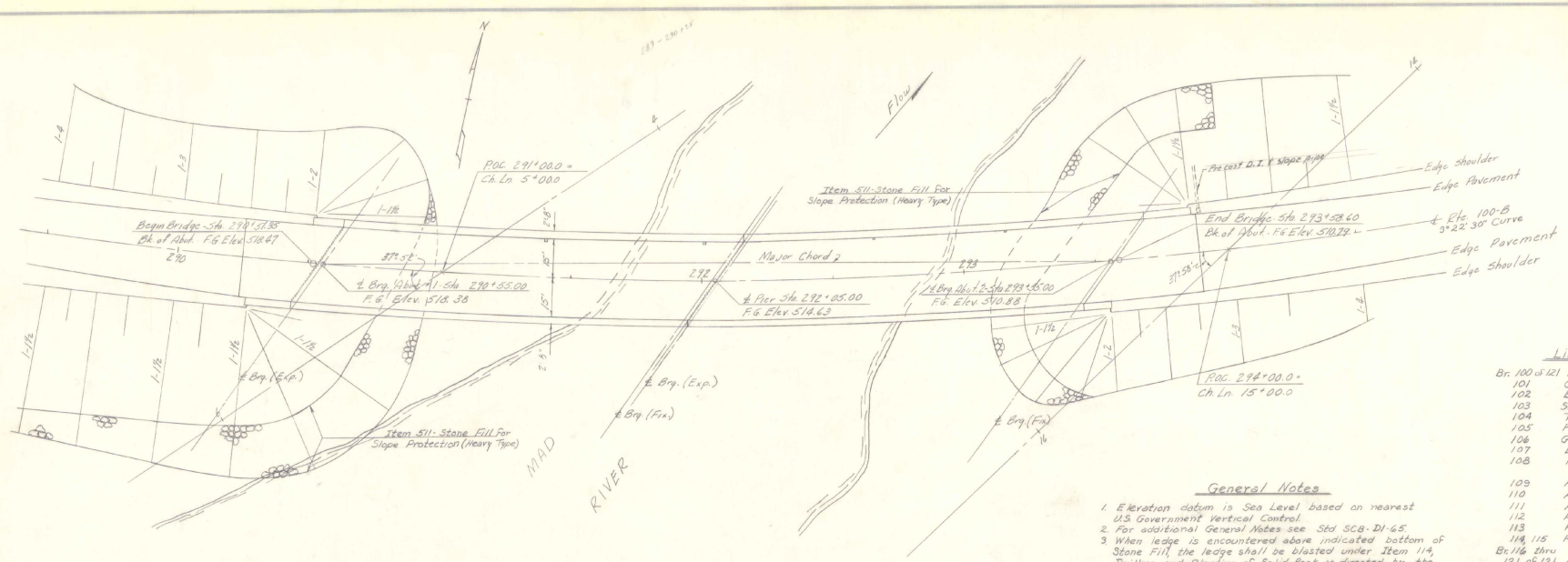
Use Section "A-A", Detail "E", for all pipe arches.

SPAN = 7'-3"
RISE = 5'-3"
O.A. LENGTH 84'-0"
GAGE TOP P.s. 12 GAGE BOT. P.s. 10
CAMBER = 0.42'
TOTAL WEIGHT = 13808#

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
STANDARD STRUCTURES

SB-PA #2

Sheet PA-2 of 3
TOWN OF Moretown
ROUTE NO. ____ LOG STA. 216+14.00
SURVEYED BY: ________
COMPLETED BY: DWS CHECKED BY: DEP
PROJECT NO. S-0167(3)
SHEET 44 OF 104



Plan
Scale: 1" = 20'-0"

General Notes

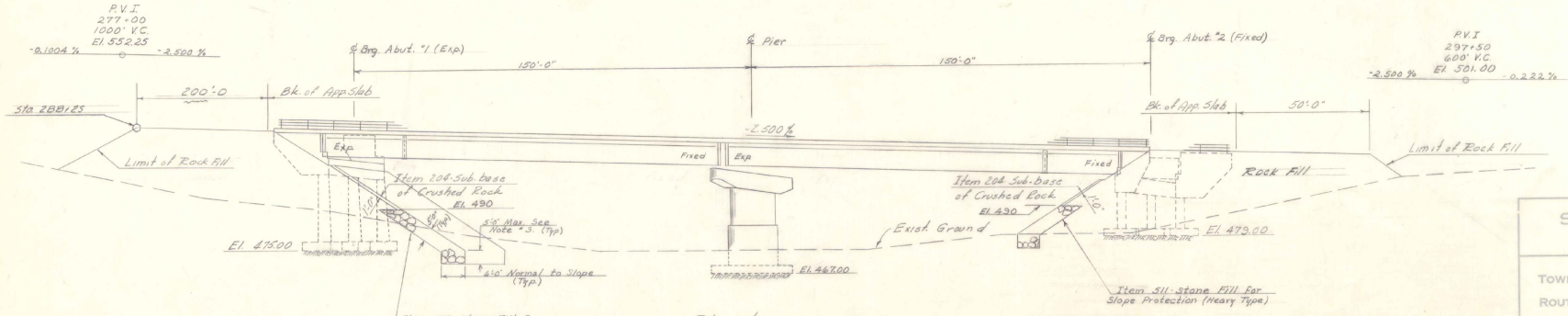
1. Elevation datum is Sea Level based on nearest U.S. Government Vertical Control.
2. For additional General Notes see Std SCB-D1-65.
3. When ledge is encountered above indicated bottom of Stone Fill, the ledge shall be blasted under Item 114, Drilling and Blasting of Solid Rock, as directed by the Engineer. Payment for Item 511, Stone Fill for Slope Protection (Heavy Type) shall be only for the Stone Fill placed above the surface of the blasted ledge.
4. The contractor shall use ledge rock encountered on the project within the limits designated as "Rock Fill", except adjacent to the abutments at which locations Granular Borrow Item 105 shall be used as indicated on Abutment Details.

List of Bridge Sheets

Br. 100 of 121	Plan & Elevation, General Notes
101	Quantity Sheet
102	Borings
103	Superstructure Plan & Scuppers
104	Typical Section
105	Framing Plan
106	Girder Details
107	Expansion Dam Details
108	Finger ℄, Drainage, and Bumper Details.
109	Approach Slab #1
110	Approach Slab #2
111	Abutment #1
112	Abutment #2
113	Pier
114, 115	Reinforcing Steel
Br. 116 thru 121 of 121	Channel Sections

Standard Sheets

G-3a
SCB-D1-65
SCB-D4-65
SCB-D6-65
SB-R1-64 (2 sheets)
SB-R2-65



Elevation
Scale: 1" = 20'-0"

Br. 100 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Moretown
ROUTE NO. 100-B LOG STA. 292+05
Route 100-B over Mad River
Plan and Elevation, General Notes
SCALE As noted
SURVEYED BY
DRAWN BY N.D., W.B.T. CHECKED BY R.E.O.
PROJECT NO. S-0167(3)
SHEET 1/2 OF 109

EARTHWORK

P.C.	% GRD.	STATION	GRADES ELEVATION ON TAN.	GRADES ELEVATION ON V.C.	CORR. V.C.	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.

BRIDGE QUANTITY SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
BRIDGE DIVISION

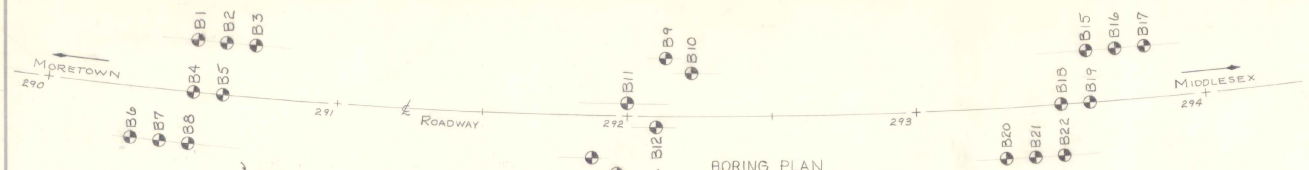
NO.	ITEM	UNIT	QUANTITY BREAKDOWN: Abutment No. 1	Abutment No. 2	Pier	Superstructure	Approach Slab No. 1	Approach Slab No. 2	TOTAL	FINAL
* 105	Granular Borrow	C.Y.	935	605					* 1540	
108-C	Unclassified Channel Excavation (Est.)	c.y.	375	100					475	
109	Structure Excavation	c.y.	280	67	158				505	
114	Drilling and Blasting of Solid Rock (Est.)	l.f.	175	225					400	
204	Sub-base of Crushed Rock	c.y.	47	35					82	
* 318	Tar Emulsion For Bridge Floors	Gal.				405	38	44	* 487	
* 361-B	Bituminous Concrete Pavement	Ton				93	9	10	* 112	
* 372-A	Joint Sealer - Hot Poured	l.f.						40	* 40	
372-C	Joint Sealer - Preformed Type "A" (2")	l.f.						50	50	
401-AA	Concrete Class AA	c.y.	120	102		320			542	
401-B	Concrete Class B	c.y.	49	40	206		35	41	371	
402	Reinforcing Steel	lbs.	35,345	30,680	15,355	74,510	5420	6085	167,395	
404-A	Structural Steel (Welded & Girders)	lbs.				544,900			544,900	
407	Asphaltic-Asbestos Coating	s.y.	11	10	24				45	
408	Retarding Admixture for Concrete	% x % x				250			250	
410	Paint Waterproofing	s.y.	120	129					249	
421-B	8" ACCMP Elbow	l.f.	12						12	
424-B	8" ACCMP Pipe	l.f.	50						50	
440	Water Repellent	Gal.	5	5	9	35			54	
442	Removal of Present Superstructure	L.S.							1	
511	Stone Fill For Slope Protection (Heavy Type) (Est.)	c.y.	1050	600					1650	
556-C	Granite Bridge Curb	l.f.				658			658	
572	Bridge Railing	l.f.				664			664	

* Indicates items to be included in Roadway Estimate

BRIDGE AT STATION 292+05
LOCATION Route 100-B over Mad River

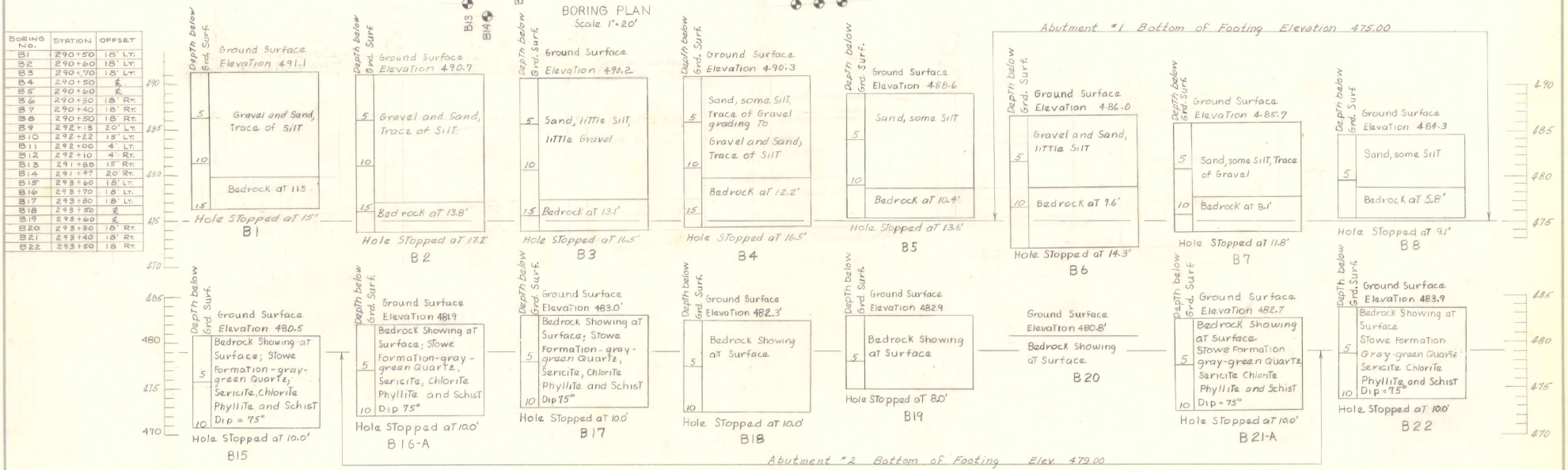
Moretown
BR. 101 OF 121

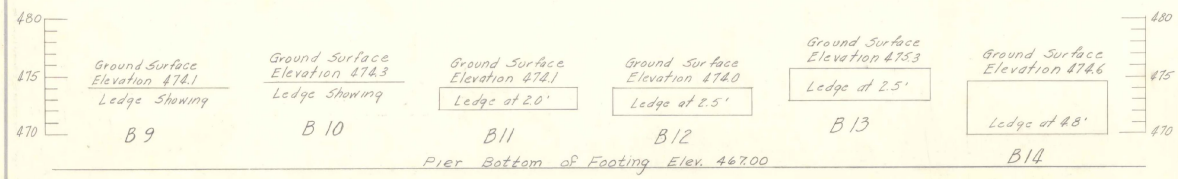
PROJECT NO. S-0167(3)
SHEET NO. 47 OF 104



BORING PLAN
Scale 1"=20'

BORING NO.	STATION	OFFSET
B1	290+50	18' LT.
B2	290+60	18' LT.
B3	290+70	18' LT.
B4	290+50	℄
B5	290+60	℄
B6	290+30	18' RT.
B7	290+40	18' RT.
B8	290+50	18' RT.
B9	292+18	20' LT.
B10	292+22	15' LT.
B11	292+00	4' LT.
B12	292+10	4' RT.
B13	291+88	15' RT.
B14	291+97	20' RT.
B15	293+60	18' LT.
B16	293+70	18' LT.
B17	293+80	18' LT.
B18	293+50	℄
B19	293+60	℄
B20	293+30	18' RT.
B21	293+40	18' RT.
B22	293+50	18 RT.





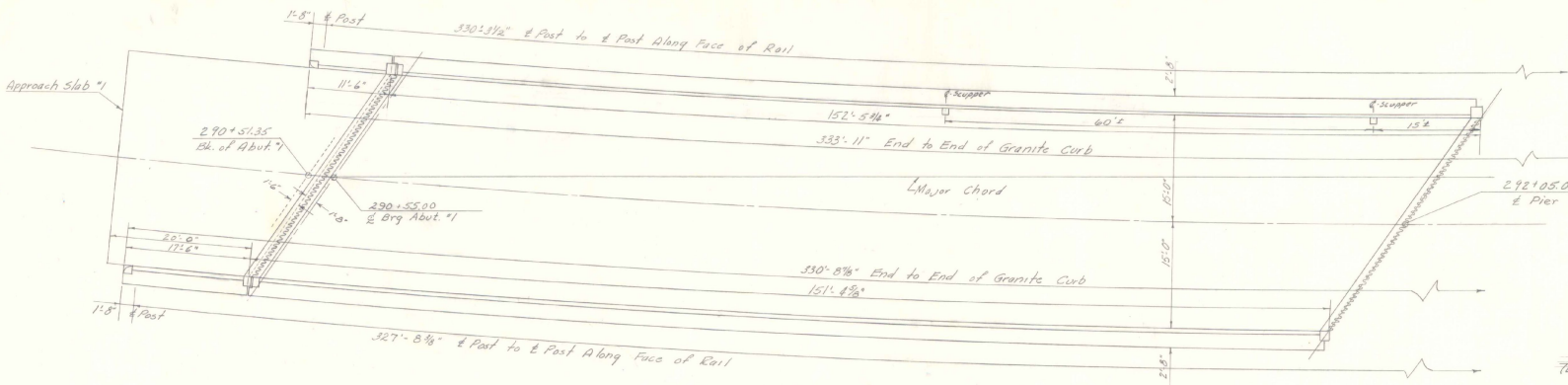
BORING LOGS
Scale 1"=5'

ITEM NO.	ITEM	UNIT	NET		TOTAL	FINAL
	CHAN. EXCAV. OF EARTH	C.Y.				
	CHAN. EXCAV. OF ROCK	C.Y.				
	UNCLASS. CHAN. EXCAV.	C.Y.				
	STRUCT. EXCAV.	C.Y.				
	CONC. CLASS AA (MOD.)	C.Y.				
	CONC. CLASS B (MOD.)	C.Y.				
	REINF. STEEL	LBS.				
	ASPHALTIC-ASB. COATING	S.Y.				
	TREATED TIMBER PILING	L.F.				
	SPLICES FOR STEEL PILING	EA.				
	STEEL PILING	L.F.				
	UNTREATED TIMBER PILING	L.F.				

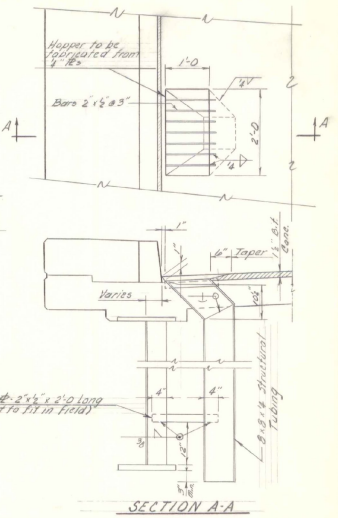
Br. 102 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF MORETOWN
ROUTE NO. 100B LOG STA. 292+05
Route 100-B over Mad River
Boring Plan and Log
SCALE 1"=20' OR AS NOTED
SURVEYED BY MARTIN
DRAWN BY RSH & J.B. CHECKED BY RLO
PROJECT NO. S0167(3)
SHEET 98 OF 109

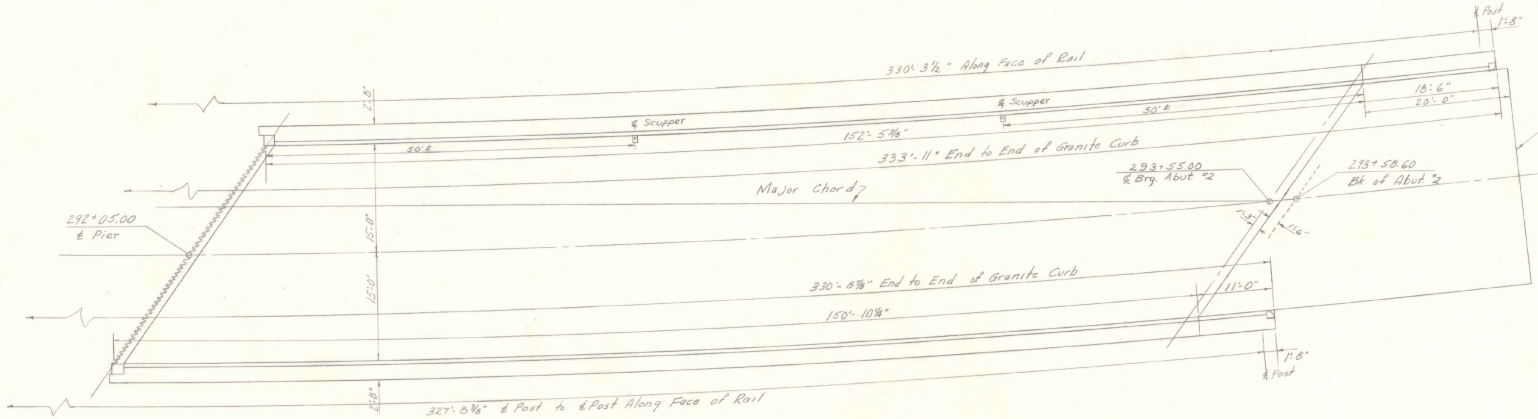


Superstructure - Span 1
Scale - 1/16" = 1'-0"



SECTION A-A

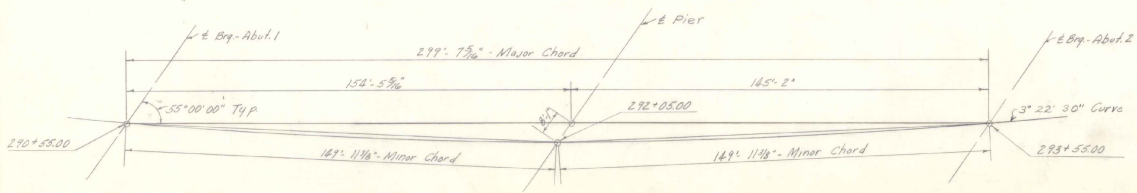
SCUPPER DETAIL
SCALE 3/4"=1'-0



Superstructure Span 2
Scale - 1/16" = 1'-0"

Notes

1. See Br. 100 for General Notes
2. Refer to SB-R1-64, sheets 1 & 2 of 2, and SB-R2-65 for railing details and post spacing.



Curve Layout
Scale - 1" = 20'

ITEM NO.	ITEM	UNIT	NET		TOTAL	FINAL
	CHAN. EXCAV. OF EARTH	C.Y.				
	CHAN. EXCAV. OF ROCK	C.Y.				
	UNCLASS. CHAN. EXCAV.	C.Y.				
	STRUCT. EXCAV.	C.Y.				
	CONC. CLASS AA (MOD.)	C.Y.				
	CONC. CLASS B (MOD.)	C.Y.				
	REINF. STEEL	LBS.				
	ASPHALTIC-ASB. COATING	S.Y.				
	TREATED TIMBER PILING	L.F.				
	SPLICES FOR STEEL PILING	EA.				
	STEEL PILING	L.F.				
	UNTREATED TIMBER PILING	L.F.				

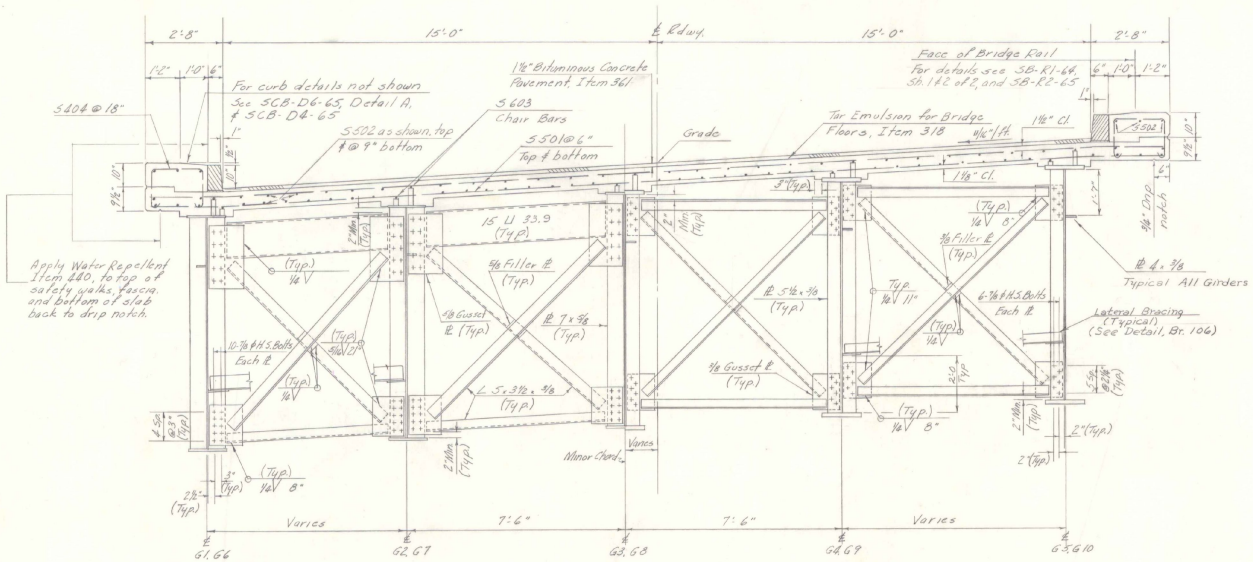
Br. 103 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Moretown
ROUTE NO. 100-B LOG STA. 292+05
Route 100-B over Mad River
Superstructure Plan
SCALE As noted
SURVEYED BY
DRAWN BY N.Z., W.B.T. CHECKED BY R.L.O.
PROJECT NO. S.0167(3)
SHEET 49 OF 104

Floor Slab to be Concrete Class AA, 7½" Thick dapped as shown at beam haunches. Surface to be screeded, floated and broomed.

Note: Cut S501 transverse bars at skew end as required and use cut-off on opposite end.



Abutment & Pier Cross Frame - CF-1

Intermediate Cross Frame - CF-2
All Members - L 2x2x5/16

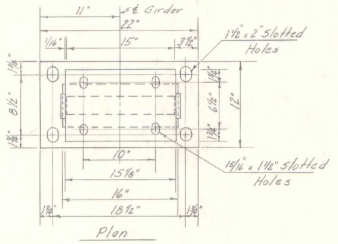
Superstructure Notes

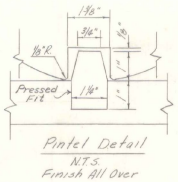
1. For General Notes see Br. 100.
2. All structural steel shall be AST.M A36-62T unless otherwise noted on the plans.
3. All Field connections shall be made with ⅞" ϕ High Strength Bolts in 15/16" ϕ holes unless otherwise noted on the plans.

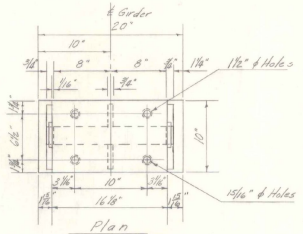
Bearing Device Notes

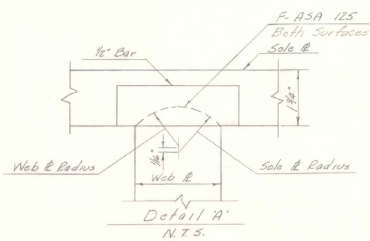
1. Bearing Pads ½" thick, equal in size to the bearing plates shall be used under each bearing, conforming to Specification 404.02(23).
2. Align devices so that all rocker arm shafts will be vertical at 45°F.
3. Contact surfaces of rockers to be given shop coat of white lead and tallow. Antel holes are to be filled with graphite & grease at time of placement. Remainder of bearing to be given 3 coats of paint in accordance with Vt. Specification 404.03
4. Each span expands 0.01 Ft. for each 10°F. rise in temperature.

Typical Bridge Section
Scale - ½" = 1'-0"



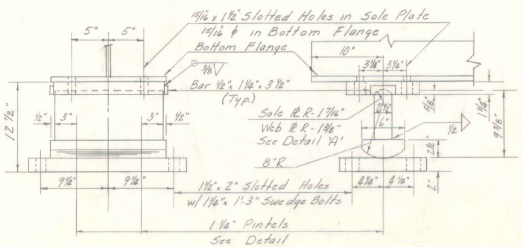


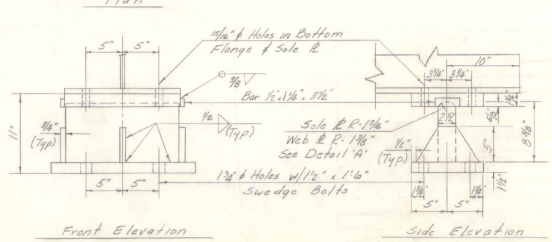




Wt. of Fixed Bearing: 325 lbs. ea. (10 required)

Wt. of Exp. Bearing: 405 lbs. ea. (10 required)



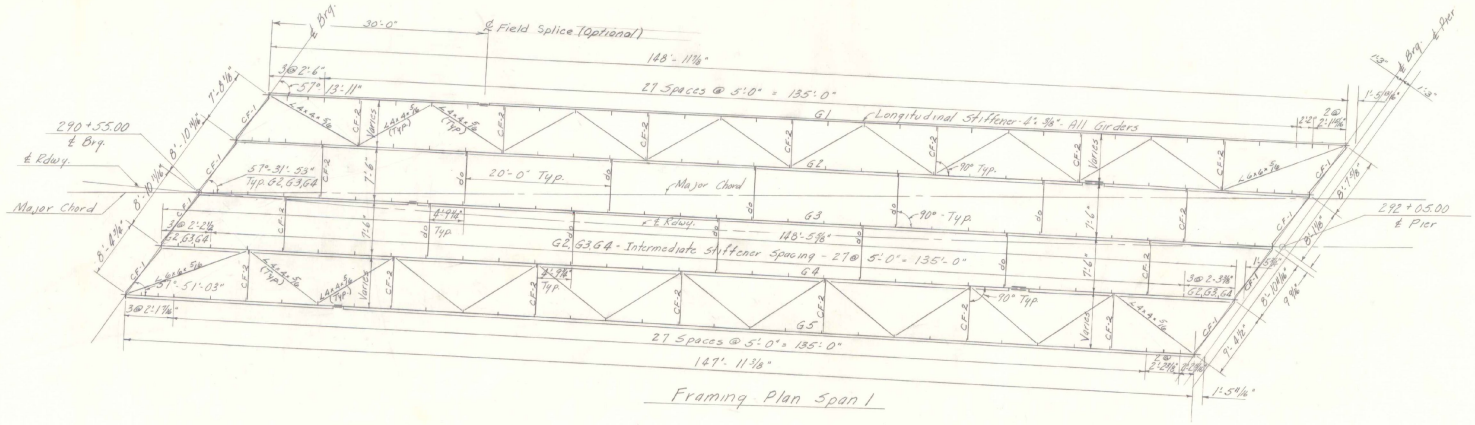


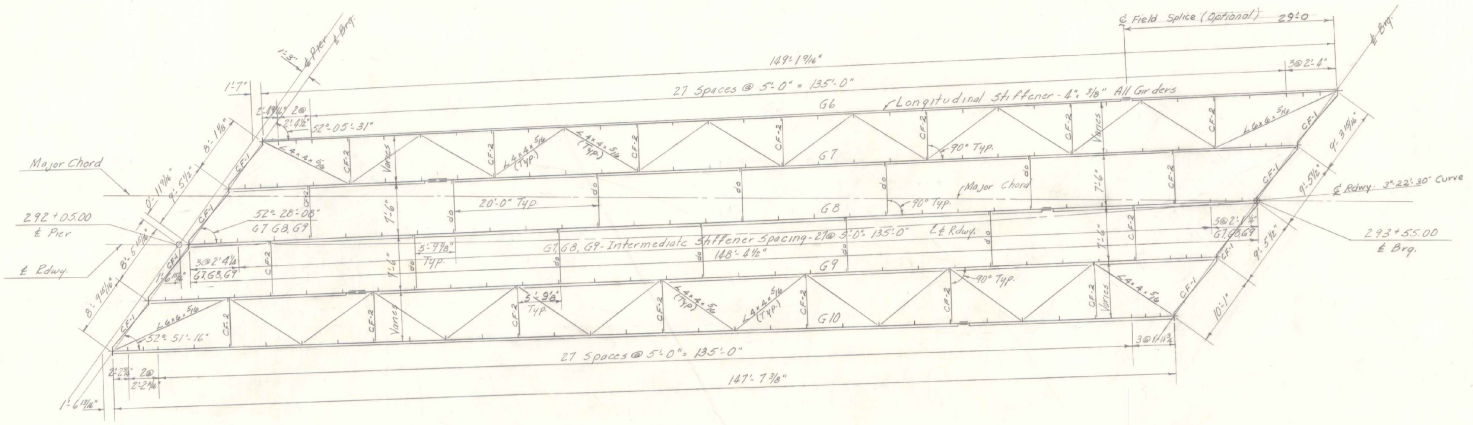
Bearing Devices
Scale - 1½" = 1'-0"

Br. 104 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Moretown
ROUTE NO. 100-B LOG STA. 292+05
Route 100-B over Mad River
Typical Section & Bearing Devices
SCALE As noted
SURVEYED BY
DRAWN BY N.D., W.B.T. CHECKED BY R.L.O.
PROJECT NO. S-0167(3)
SHEET 50 OF 104





Framing Plan - Span 2
Scale ⅛" = 1'-0"

Notes

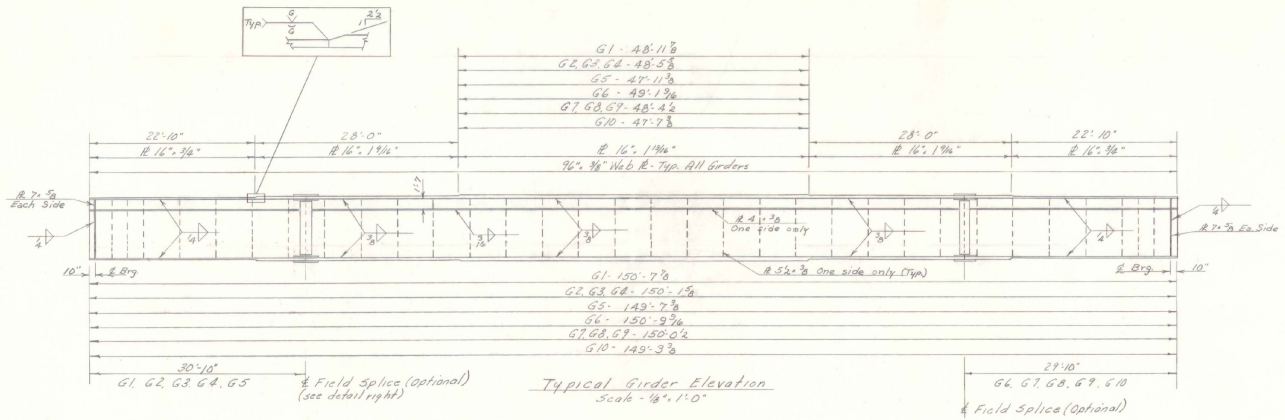
1. For General Notes see Br. 100.
2. For details of CF-1 and CF-2 see Br. 104.
3. For details of stiffeners, field splices, and lateral bracing see Br. 106.
4. The fabricator may, at his option, use a field splice at the locations designated on the framing plan. If used, the field splice shall be made, and the alignment and camber checked prior to erecting the girder. If used the field splice will be paid for at the contract unit price bid for Structural Steel Item 804A.

Br. 105 of 121

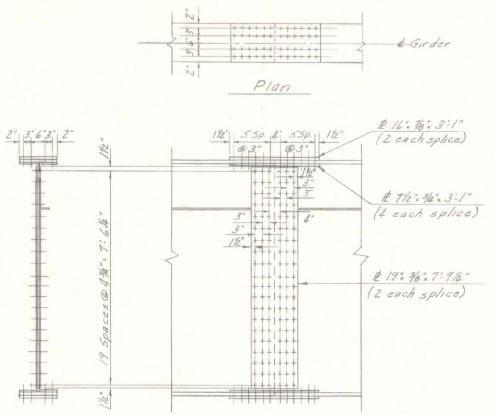
ITEM NO.	ITEM	UNIT	NET		TOTAL	FINAL
	CHAN. EXCAV. OF EARTH	C.Y.				
	CHAN. EXCAV. OF ROCK	C.Y.				
	UNCLASS. CHAN. EXCAV.	C.Y.				
	STRUCT. EXCAV.	C.Y.				
	CONC. CLASS AA (MOD.)	C.Y.				
	CONC. CLASS B (MOD.)	C.Y.				
	REINF. STEEL	LBS.				
	ASPHALTIC-ASB. COATING	S.Y.				
	TREATED TIMBER PILING	L.F.				
	SPLICES FOR STEEL PILING	EA.				
	STEEL PILING	L.F.				
	UNTREATED TIMBER PILING	L.F.				

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

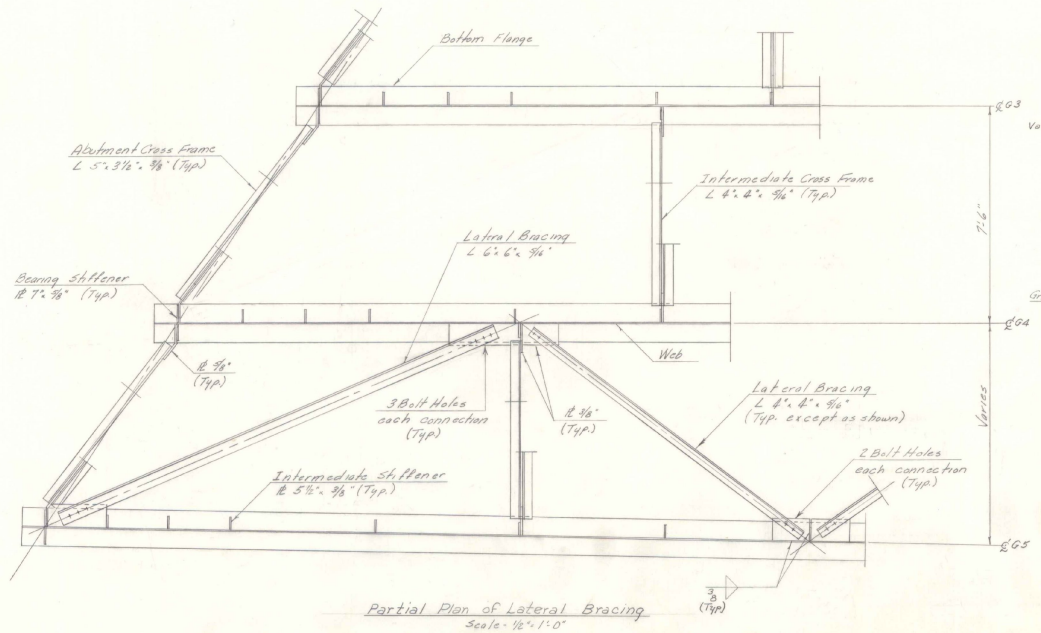
TOWN OF Moretown
ROUTE NO. 100-B LOG STA.
Route 100-B over Mad River
Framing Plan
SCALE As noted
SURVEYED BY
DRAWN BY N.B., W.B.T. CHECKED BY R.L.O.
PROJECT NO. S-0167(8)
SHEET 57 OF 104



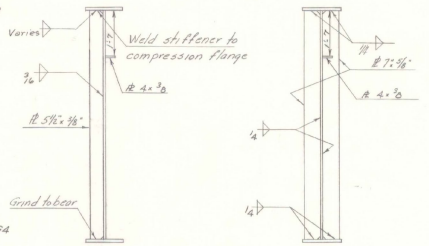
Typical Girder Elevation
Scale - ⅛" = 1'-0"



Optional
Field Splice Detail
Scale - ½" = 1'-0"



Partial Plan of Lateral Bracing
Scale - ½" = 1'-0"

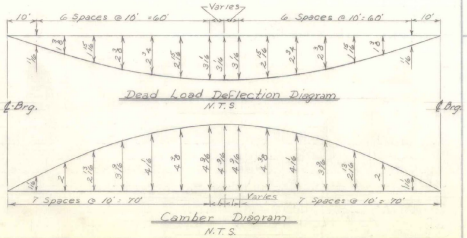


Note: Clip 1" on inside corner of all stiffeners

Stiffener Details
Scale - ½" = 1'-0"

Notes

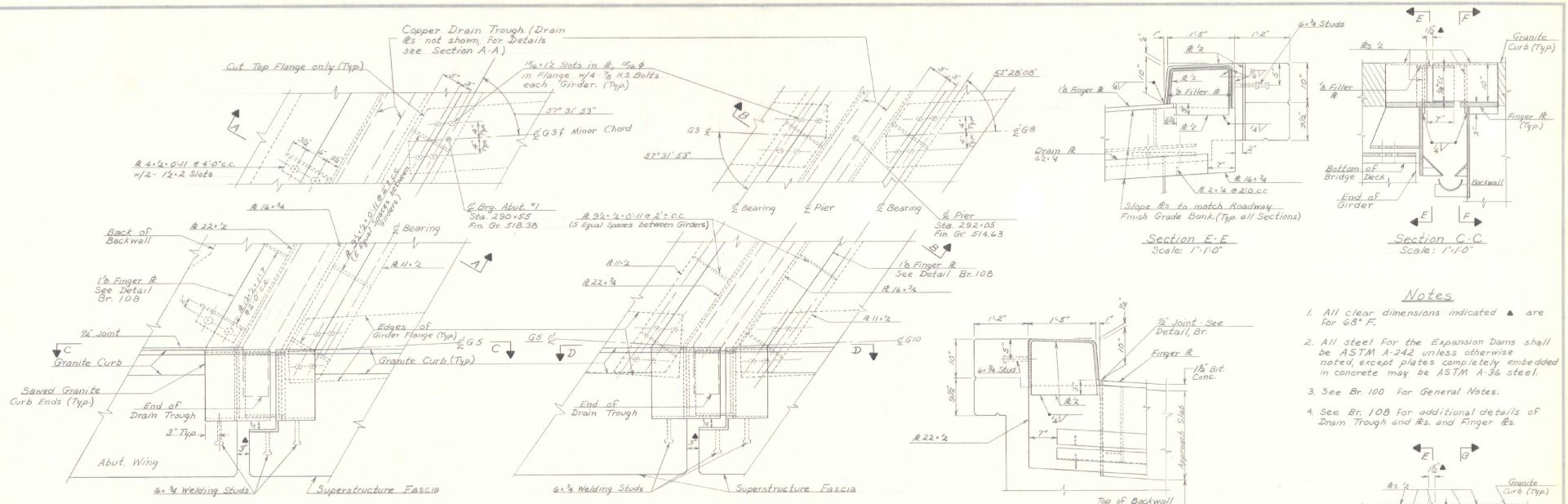
1. For transverse stiffener spacing see Br. 105.
2. For Superstructure Notes see Br. 104.
3. All Girders are to be cambered as shown in the Camber Diagram below.



Br. 106 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

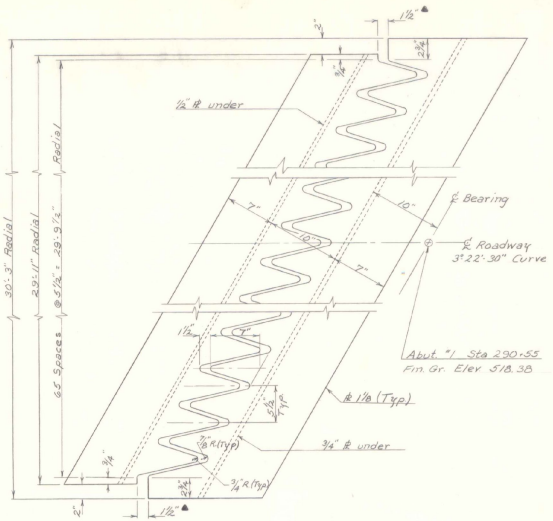
TOWN OF Moretown
ROUTE NO. 100-B LOG STA. 292+05
Route 100-B over Mad River
Girder Details
SCALE As noted
SURVEYED BY
DRAWN BY N.D., W.B.T. CHECKED BY R.L.O.
PROJECT NO. S-0167(3)
SHEET 52 OF 104



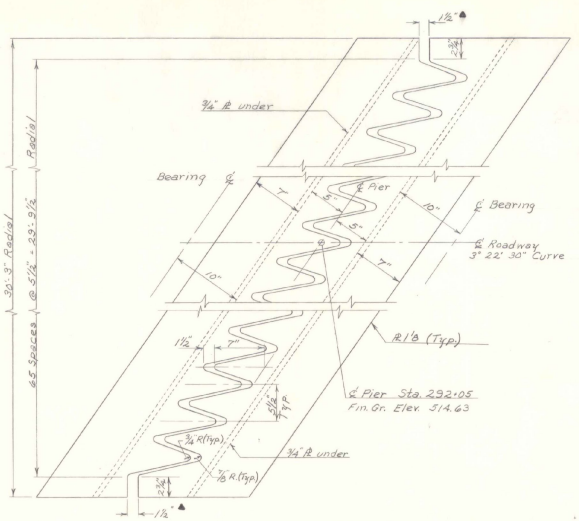
Br. 107 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Moretown
ROUTE NO. 100-B LOG STA. 292+05
Rte. 100-B over Mad River
Expansion Dam Details
SCALE As noted
SURVEYED BY
DRAWN BY W.B.T. CHECKED BY R.L.O.
PROJECT NO. S-0167(3)
SHEET 53 OF 104



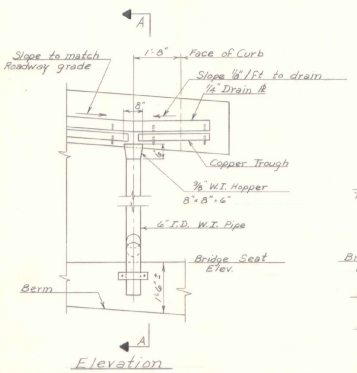
Finger R Detail at Abutment #1
Scale: 1½" = 1'-0"

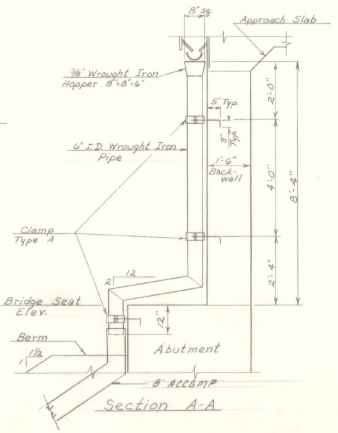


Finger R Detail at Pier
Scale: 1½" = 1'-0"

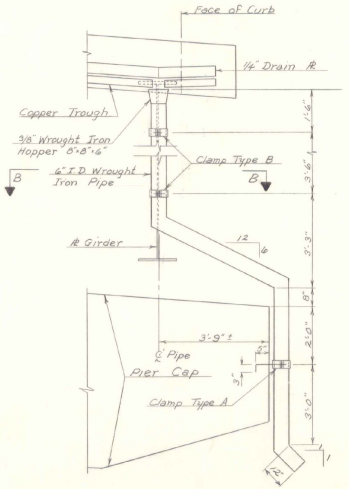
Notes

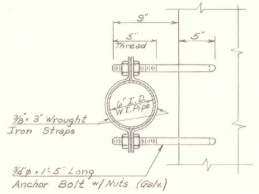
1. All clear dimensions indicated ▲ are for 68°F.



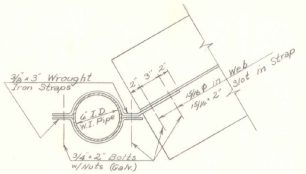


Abutment #1 Drainage Pipe Detail
Scale: ½" = 1'-0"

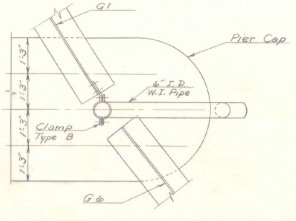




Clamp Detail - Type A
Scale: 1½" = 1'-0"



Clamp Detail - Type B
Scale: 1½" = 1'-0"

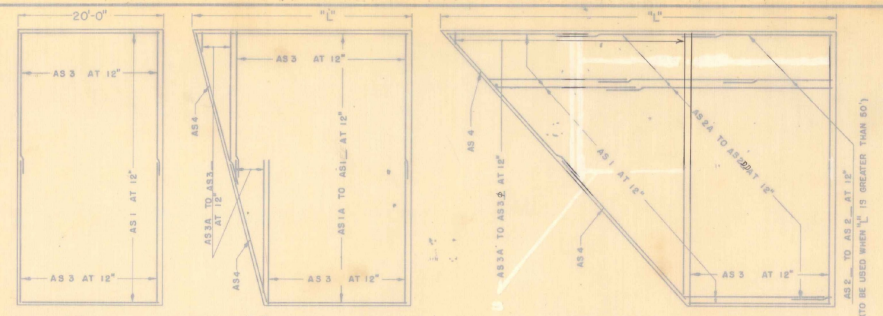


Pier Drainage Pipe Detail
Scale: ½" = 1'-0"

Br 108 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

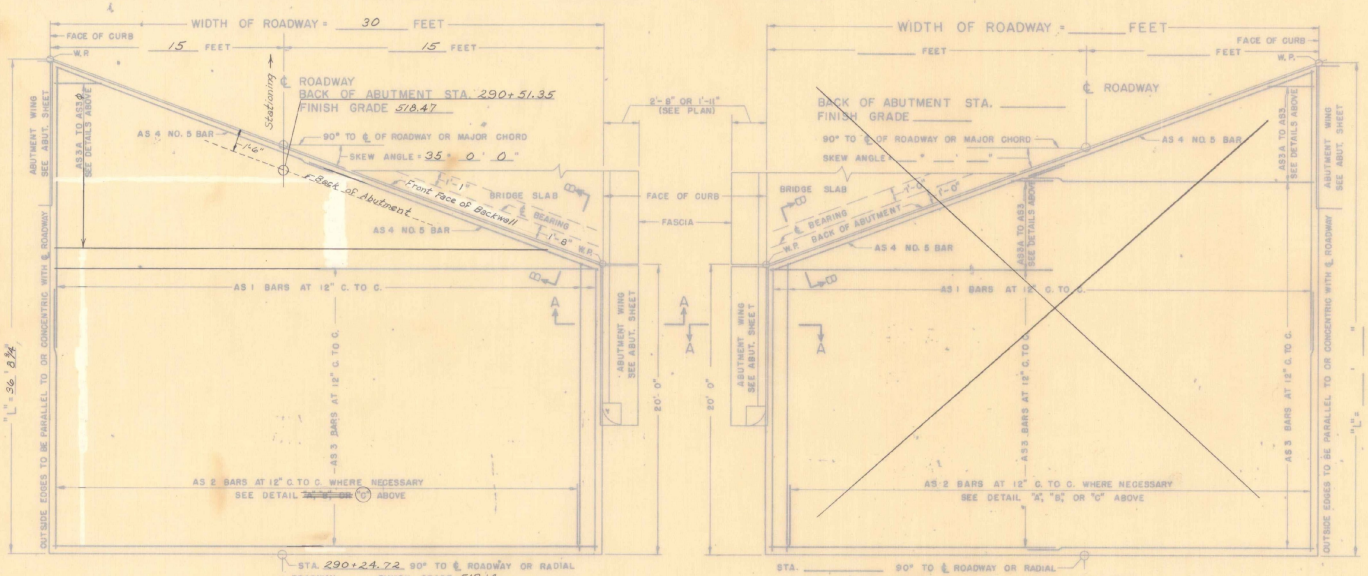
TOWN OF Moretown
ROUTE NO. 100-B LOG STA. 292+05
Route 100-B over Mad River
Finger R, Drainage, & Bumper Details
SCALE As noted
SURVEYED BY
DRAWN BY WBT CHECKED BY RLO
PROJECT NO. S-0167(3)
SHEET 54 OF 104



~~DETAIL "A" SQUARE~~ ~~DETAIL "B" "L" LESS THAN 35~~

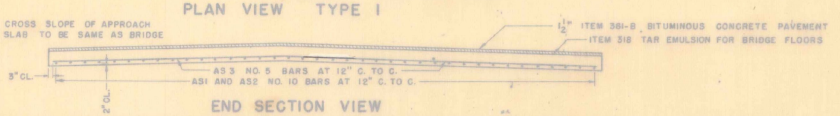
DETAIL "C" - "L" GREATER THAN 35'

Note: For details of Section B-B, see Section A-A, Br. 107

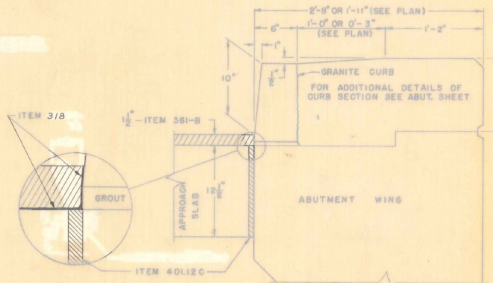


PLAN VIEW TYPE I

~~PLAN VIEW TYPE 2~~



END SECTION VIEW



SECTION A-A

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE STATE OF VERMONT, DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED APRIL 1964, AND THE A.A.S.H.O. SPECIFICATIONS DATED 1961. DESIGNED FOR H S 20-44 LOADING.
2. ALL REINFORCING STEEL SHALL BE DETAILED ON THE REINFORCING STEEL SCHEDULE. ALL SPLICES SHALL BE A MINIMUM OF 40 BAR DIAMETERS.

REINFORCING BENDING DETAILS

A = 1'-1"
J = 0'-9"
B = 16'-6" OR VARIES

DETAIL SHOWN IS FOR AS1 BAR. ALL OTHER BARS ARE TO BE STRAIGHT

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL	FINAL
318	TAR EMULSION FOR BRIDGE FLOORS	GAL.	38	
361-B	BITUMINOUS CONCRETE PAVEMENT	TONS	9	
372-A	JOINT SEALER - HOT POURED	L.F.	—	
372-C	JOINT SEALER - PREFORMED, TYPE A	L.F.	—	
372-D	JOINT SEALER - PREFORMED, TYPE B	L.F.	—	
401-B	CONCRETE CLASS B	CY.	35	
402	REINFORCING STEEL	LB.	5420	

REINFORCING STEEL

BAR NO.	A NO. PIECES	B LENGTH	C WEIGHT PER FT.	A × B × C WEIGHT IN LBS.
AS 1	SEE REINFORCING SCHEDULE		4.303	
AS 2			4.302	
AS 3			1.043	
AS 4			1.043	
			TOTAL WEIGHT =	

REVISIONS AND CORRECTIONS

1. DIMENSIONS OF JOINT FOR SEALER TYPE A REVISED 4/15/65 W.B.T.
2. DIMENSIONS OF JOINT SEALER TYPE B REVISED 6/23/65 W.B.T.

DRAWN BY: W.B.T. Jan. 1965
TRACED BY: W.B.T. Jan. 1965
CHECKED BY: W.M.S. Feb. 1965

RECOMMENDED FOR APPROVAL: [signature] BRIDGE ENGINEER DATE 2/4/65
RECOMMENDED FOR APPROVAL: [signature] ASSISTANT CHIEF ENGINEER DATE 2/4/65
APPROVED BY: [signature] CHIEF ENGINEER DATE 2/4/65

DETAILS OF APPROACH SLAB FOR 30 (WIDTH) FOOT BRIDGE

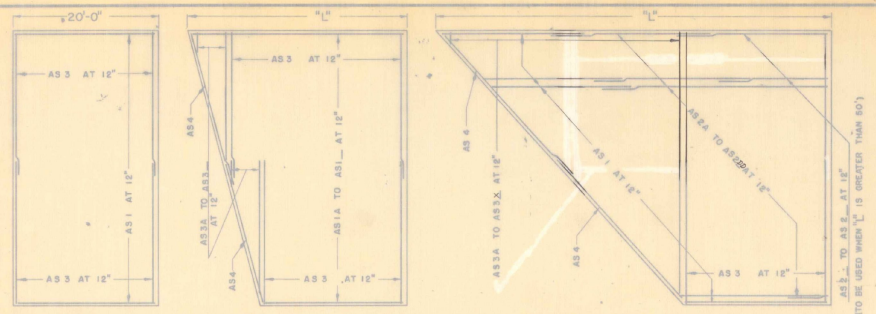
TO BE USED FOR BRIDGE AT STATION 292+05

LOCATION Approach Slab "1", Route 100-B over Mad River

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
STANDARD STRUCTURE

SB-AS-65

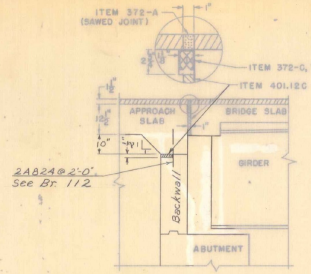
TOWN OF Moretown
ROUTE NO. 100-B
LOG STA. 292+05
DESIGNED BY W.B.T. CHECKED BY R.L.D.
PROJECT NO. S-0167(3)
BR 109 OF 121 SHEET 55 OF 109



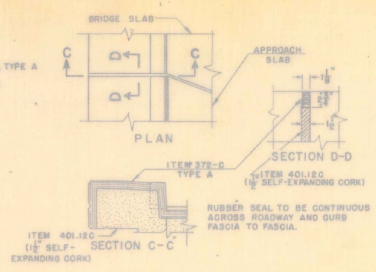
~~DETAIL "A" - SQUARE~~

~~DETAIL "B" - "L" LESS THAN 35'~~

DETAIL "C" - "L" GREATER THAN 35'

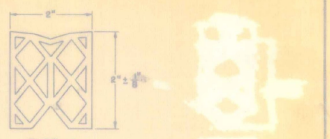


SECTION B-B



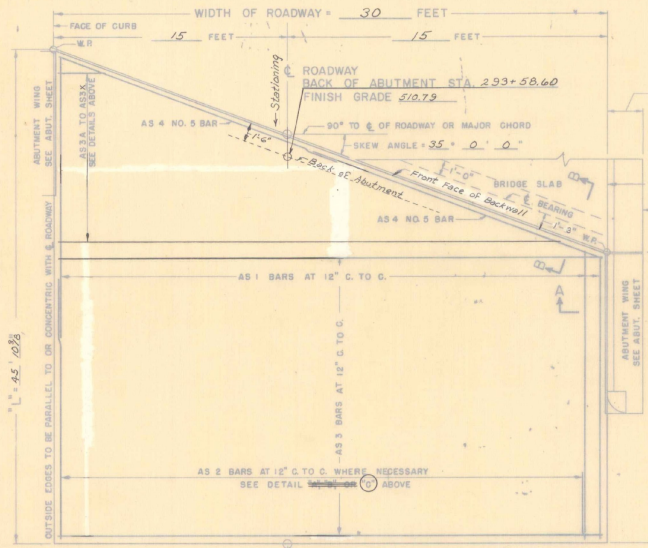
RUBBER SEAL TO BE CONTINUOUS ACROSS ROADWAY AND CURB FASCIA TO FASCIA.

CURB JOINT DETAIL

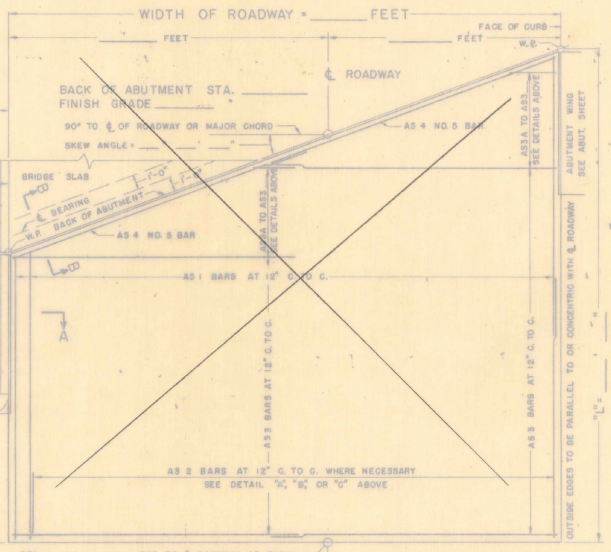


DETAILS - ITEM 372-C JOINT SEALER - PREFORMED

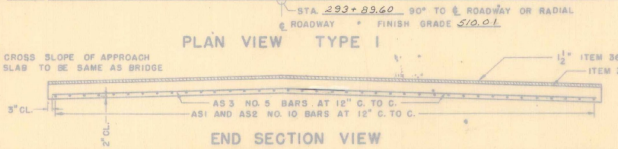
MATERIAL TO BE PREMOLDED NEOPRENE RUBBER (OTHER CONFIGURATIONS THAT SATISFY SPECIFICATIONS MAY BE USED.)



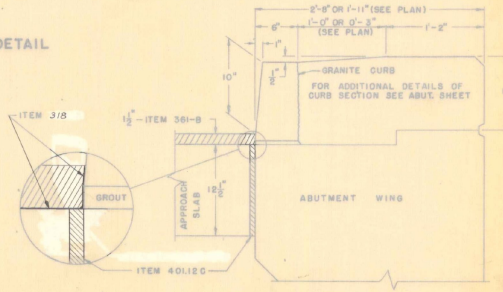
PLAN VIEW TYPE I



~~PLAN VIEW TYPE B~~



END SECTION VIEW



SECTION A-A

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE STATE OF VERMONT, DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED APRIL 1964, AND THE A.A.S.H.O. SPECIFICATIONS DATED 1961. DESIGNED FOR H S 20-44 LOADING.
2. ALL REINFORCING STEEL SHALL BE DETAILED ON THE REINFORCING STEEL SCHEDULE. ALL SPLICES SHALL BE A MINIMUM OF 40 BAR DIAMETERS.

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL	FINAL
318	TAR EMULSION FOR BRIDGE FLOORS	GAL.	44	
361-B	BITUMINOUS CONCRETE PAVEMENT	TONS	10	
372-A	JOINT SEALER - HOT POURED	L.F.	40	
372-C	JOINT SEALER - PREFORMED, TYPE A	L.F.	50	
372-C	JOINT SEALER - PREFORMED, TYPE B	L.F.		
401-B	CONCRETE CLASS B	CY.	41	
402	REINFORCING STEEL	LB.	6085	

REINFORCING BENDING DETAILS

A = 1'-1"
J = 0'-9"
B = 19'-6" OR VARIES

DETAIL SHOWN IS FOR AS1 BAR
ALL OTHER BARS ARE TO BE STRAIGHT

REINFORCING STEEL

BAR NO.	NO. PIECES	A + B + C LENGTH	WEIGHT PER FT.	WEIGHT IN LBS.
AS 1		SEE REINFORCING SCHEDULE	4.303	
AS 2			4.303	
AS 3			1.043	
AS 4			1.043	
		TOTAL WEIGHT =		

REVISIONS AND CORRECTIONS
1. DIMENSIONS OF JOINT FOR SEALER TYPE A REVISED. 4/15/65 W.B.T.
2. DIMENSIONS OF JOINT SEALER TYPE B REVISED 6/23/65 W.B.T.

DRAWN BY: W.B.T. Jan. 1965
TRACED BY: W.B.T. Jan 1965
CHECKED BY: W.M.S. Feb. 1965

RECOMMENDED FOR APPROVAL: [signature] BRIDGE ENGINEER DATE 2/4/65
RECOMMENDED FOR APPROVAL: [signature] ASSISTANT CHIEF ENGINEER DATE 2/4/65
APPROVED BY: [signature] CHIEF ENGINEER DATE 2/4/65

DETAILS OF APPROACH SLAB FOR 30 (WIDTH) FOOT BRIDGE

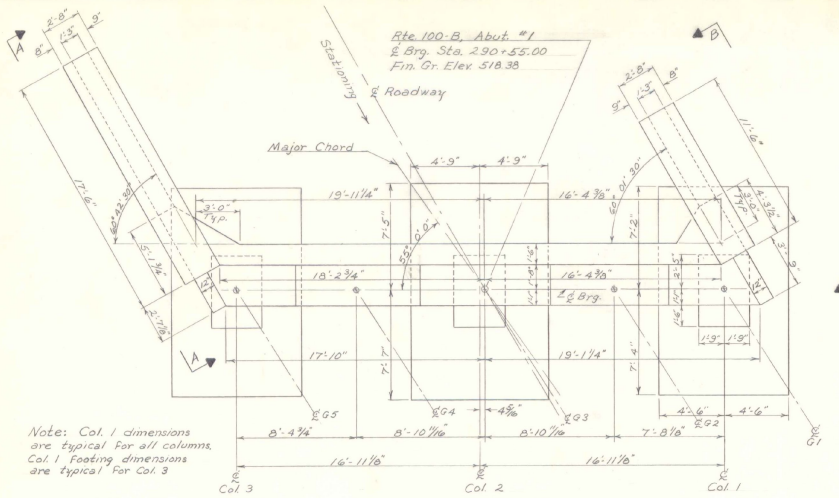
TO BE USED FOR BRIDGE AT STATION 292+05

LOCATION Approach Slab #2, Route 100-B over Mad River

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
STANDARD STRUCTURE

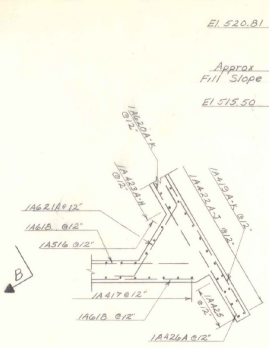
SB-AS-65

TOWN OF Moretown
ROUTE NO. 100-B
LOG STA. 292+05
DESIGNED BY WBT CHECKED BY RLO
PROJECT NO. S-0167(3)
BR 110 OF 121 , SHEET 56 OF 109

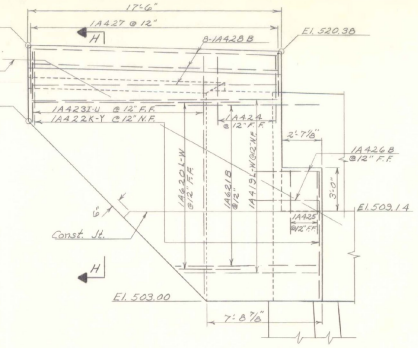


Note: Col. 1 dimensions are typical for all columns. Col. 1 footing dimensions are typical for Col. 3

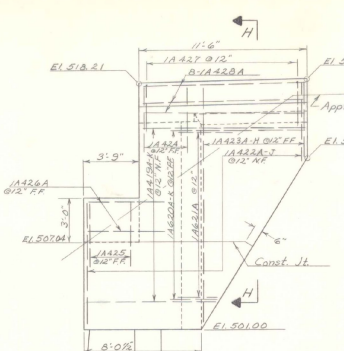
Plan
Scale: ¼"=1'-0"



Section I-I
Scale: ¼"=1'-0"
(Opposite corner similar)

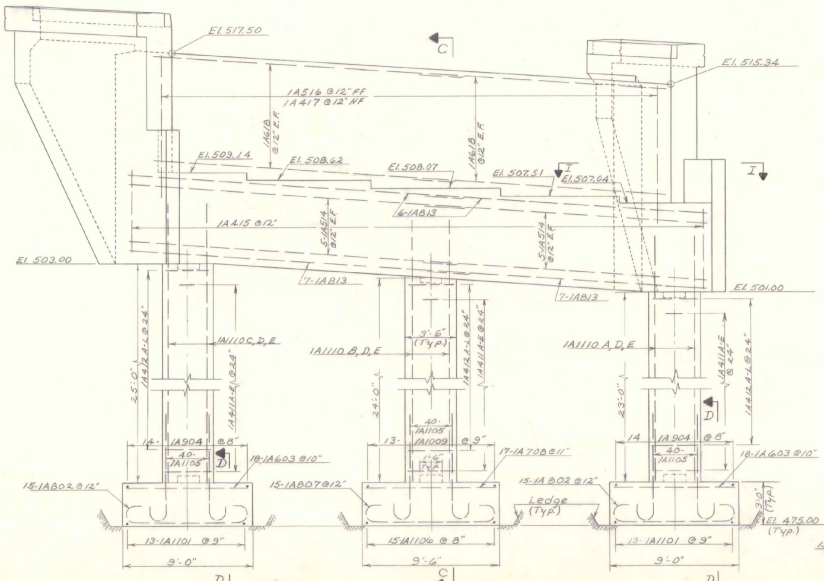


Elevation A-A
Scale: ¼"=1'-0"

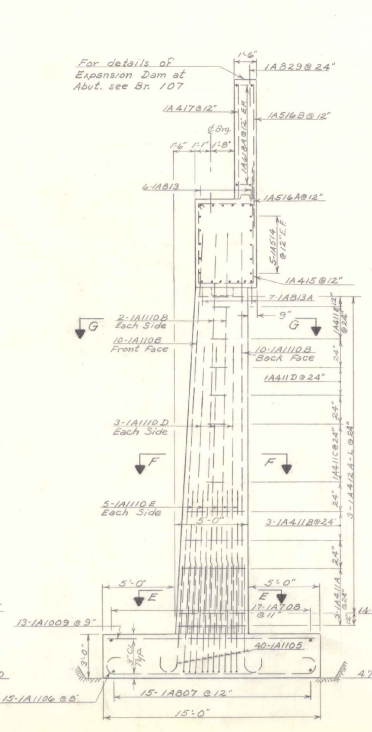


Elevation B-B
Scale: ¼"=1'-0"

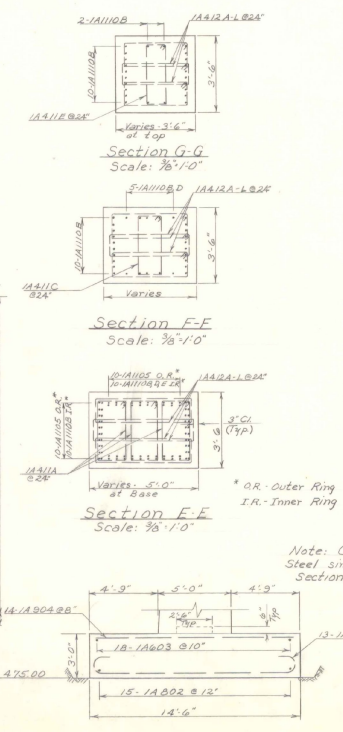
Note: Column Steel similar to Section C-C.



Elevation
Scale: ¼"=1'-0"



Section C-C
Scale: ¼"=1'-0"

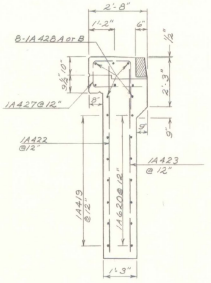


Section F-F
Scale: ⅜"=1'-0"

Section E-E
Scale: ⅜"=1'-0"

* O.R. - Outer Ring
I.R. - Inner Ring

Section D-D
Scale: ¼"=1'-0"



Section H-H
Scale: ⅜"=1'-0"

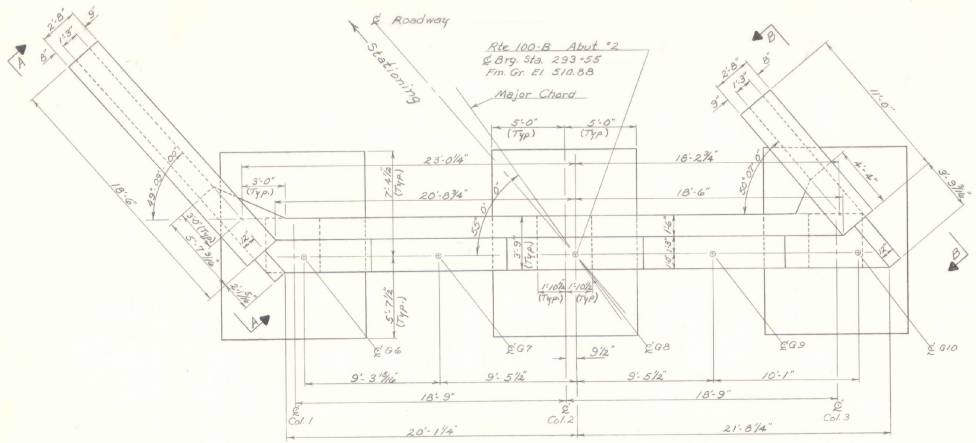
For Abutment Notes see Br. 112

For minimum limits of Granular Borrow, see Br. 112

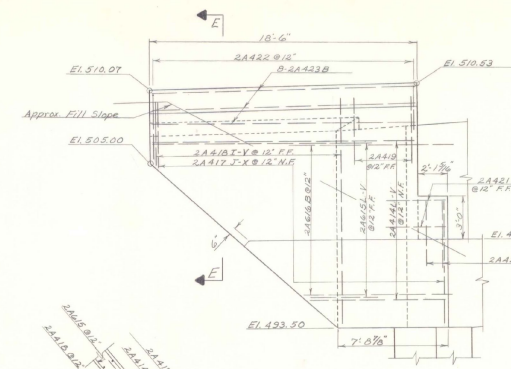
Br 111 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

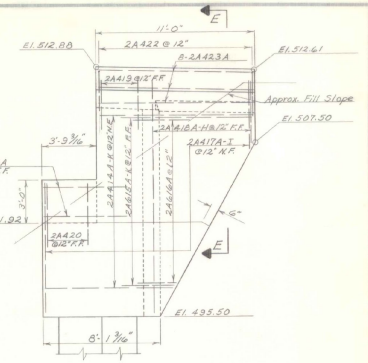
TOWN OF Moretown
ROUTE NO. 100-B LOG STA. 292+05
Route 100-B over Mad River
Abutment #1
SCALE As noted
SURVEYED BY
DRAWN BY WBT CHECKED BY RLO
PROJECT NO. S-0167(3)
SHEET 57 OF 104



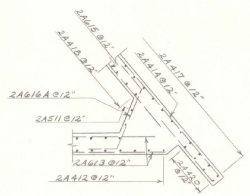
Plan
Scale: 1/4"=1'0"



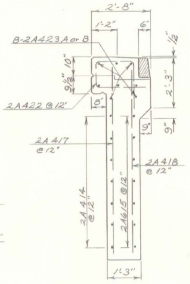
Elevation A-A
Scale: 1/4"=1'0"



Elevation B-B
Scale: 1/4"=1'0"



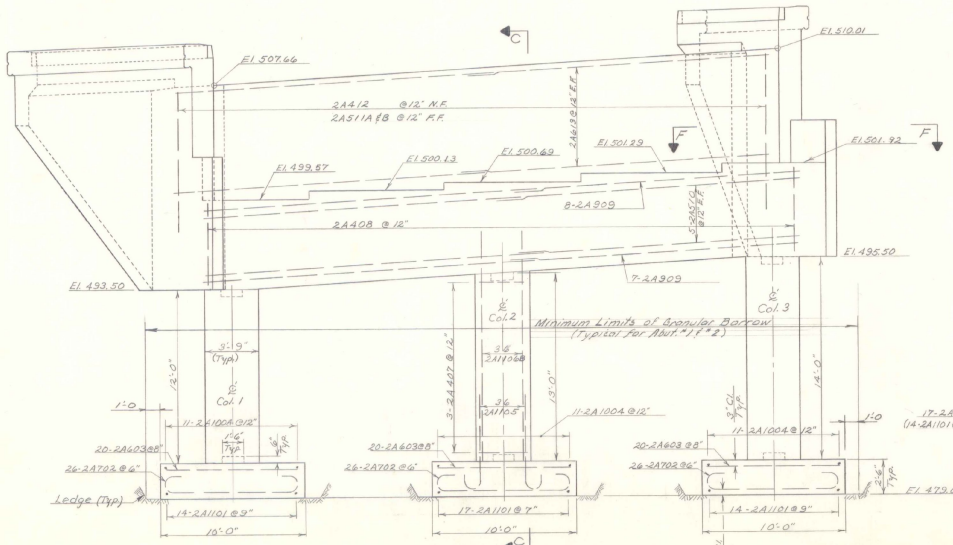
Section F-F
Scale: 1/4"=1'0"
(Opposite Corner Similar)



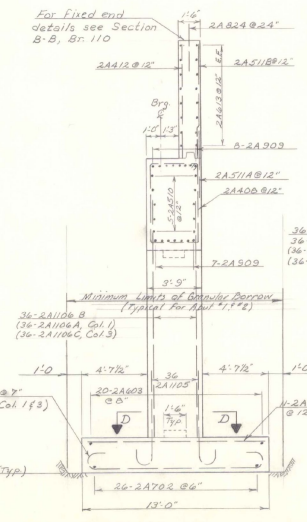
Section E-E
Scale: 3/8"=1'0"

Notes

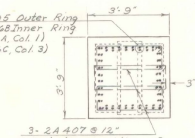
1. For General Notes see Br. 100.
2. All Abutment concrete shall be Class A-A, except Class B in Footings.
3. Footings are designed for a maximum pressure of 5 tons per square foot on ledge.
4. The Footings shall be placed on sound ledge.
5. All ledge under the Footing shall be roughened such that no ledge projects above the bottom of footing elevation indicated on the plans.
6. Reinforcing is to have 2" minimum cover except as noted.
7. No concrete is to be placed above bridge seat elevation until Girders have been profiled and final grade established by the Engineer.
8. Front Face of backwall above Bridge Seats and inside Face of abutment and wings shall be coated with Item 410, Paint Waterproofing.
9. Item 440, Water Repellent, shall be used on all exposed areas of abutments and wings not otherwise treated.
10. For details of Cable Guard Rail Anchorage see Std. Sh. G-3a.
11. For details of curved granite curb end block see SCB-D4-65.
12. For additional construction joint details see SCB-D6-65, Detail B.
13. For additional curb details see SCB-D6-65, Detail A.



Elevation
Scale: 1/4"=1'0"



Section C-C
Scale: 1/4"=1'0"
Note: Steel shown in Section C-C is typical For Col. 1 & 3 except as noted in parenthesis.

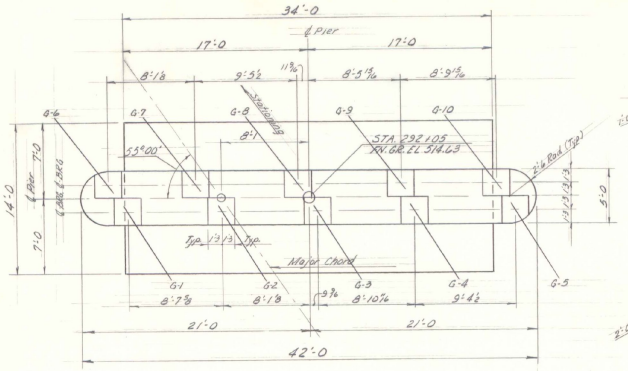


Section D-D
Scale: 3/8"=1'0"
Note: Steel shown in Section D-D is typical For Col. 1 & 3.

Br 112 of 121

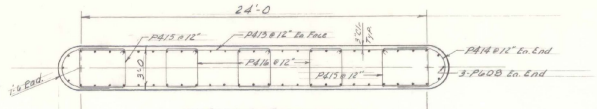
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Moretown
ROUTE NO. 100-B LOG STA. 292+05
Route 100-B over Mad River
Abutment #2
SCALE As noted
SURVEYED BY
DRAWN BY WBT CHECKED BY RLO
PROJECT NO. 9-0167(3)
SHEET 58 OF 104



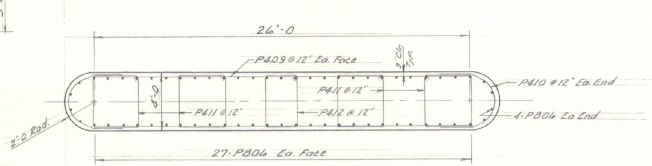
PLAN

SCALE 3/16" = 1'-0



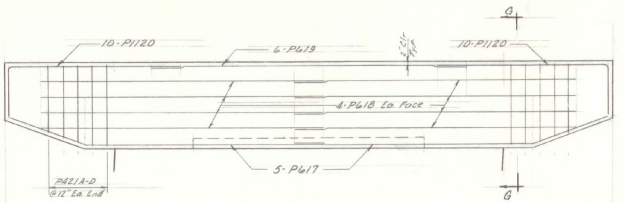
SECTION B-B

SCALE ¼" = 1'-0



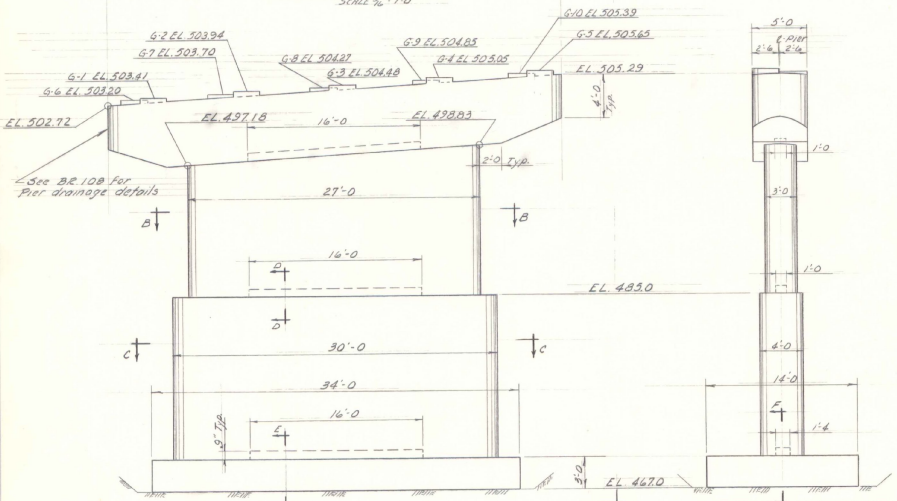
SECTION C-C

SCALE ¼" = 1'-0



DETAIL OF CAP REINFORCEMENT

SCALE ½" = 1'-0

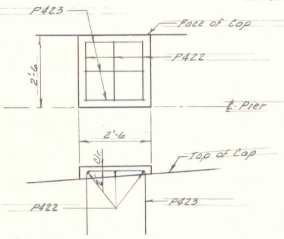


ELEVATION

SCALE 3/16" = 1'-0

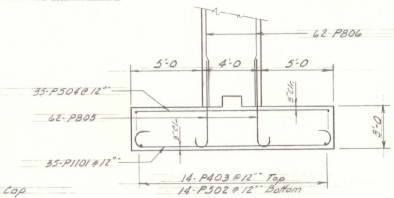
ELEVATION A-A

SCALE 3/16" = 1'-0



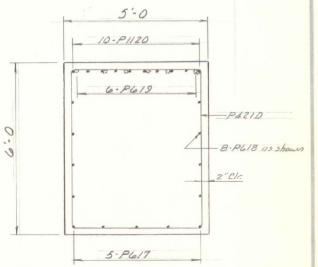
DETAIL OF BEARING PAD

SCALE ½" = 1'-0



SECTION E-E

SCALE ½" = 1'-0

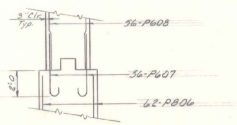


SECTION G-G

SCALE ½" = 1'-0

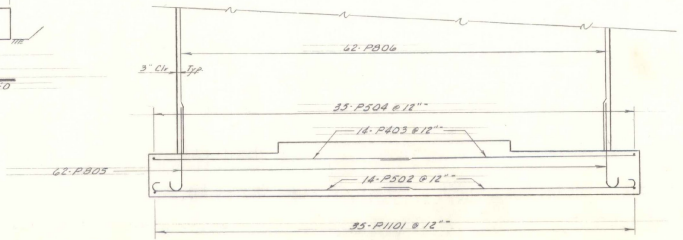
NOTES:-

1- For General Notes see BR 100
2- Footing is designed for a maximum pressure of 5 tons per square foot on ledge.
3- The footing shall be poured on sound ledge.
4- All ledge under the footing shall be roughened such that no ledge projects above the bottom of footing elevation indicated on the plans.
5- The sides, ends, and bottom of the pier cap shall be coated with Item 440, Water Repellent.
6- All Pier concrete shall be Item 401-8, Concrete Class B.



SECTION D-D

SCALE ½" = 1'-0



SECTION F-F

SCALE ½" = 1'-0

BR. 113 OF 121

STATE OF VERMONT

DEPARTMENT OF HIGHWAYS

TOWN OF MORETOWN

ROUTE No. 100-B LOG STA. 292+05

ROUTE 100-B OVER MAD RIVER

PIER DETAILS

SCALE As shown

SURVEYED BY

DRAWN BY RLO CHECKED BY WBT

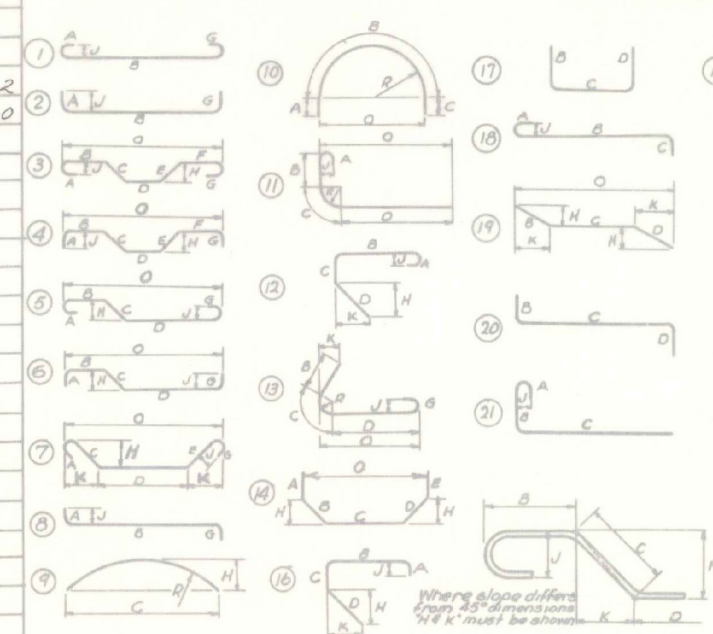
PROJECT No. S-0167(3)

SHEET 59 OF 104

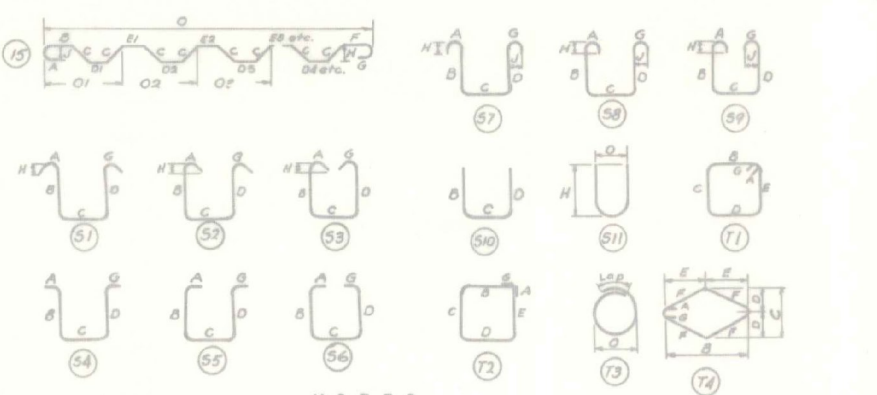
Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
					Abutment No. 1												
1	35	4	7-9	1A417	Str												
2	1		10-0	419I													
3	1		10-7	419J													
4	3		11-2	419K													
5	1		14-8	419T													
6	1		15-8	419U													
7	1		16-8	419V													
8	2		17-2	419W													
9	4		8-9	422A													
10	4		17-10	422B													
11	3		8-10	422K													
12	5		16-10	422L													
13	*10		4-0	424													
14	7		4-10	425													
15	3		5-6	426A													
16	3		4-5	426B													
17	8		11-2	428A													
18	8	4	17-2	1A428B	Str												
19																	
20	1	4	9-0	1A419A	Str												
21	↕	↕	↕	thru	↕		1 each, vary in 7 increments of 0-7										
22	1	4	13-1	1A419H	Str.												
23																	
24	1	4	9-7	1A419L	Str												
25	↕	↕	↕	thru	↕		1 each, vary in 7 increments of 1'-0										
26	1	4	16-7	1A419S	Str												
27																	
28	1	4	16-5	1A422C	Str												
29	↕	↕	↕	thru	↕		1 each, vary in 7 increments of 1'-7										
30	1	4	5-4	1A422J	Str												
31																	
32	1	4	16-8	1A422M	Str												
33	↕	↕	↕	thru	↕		1 each, vary in 12 increments of 1'-0										
34	1	4	4-8	1A422Y	Str												
35																	
36	1	4	15-7	1A423A	Str												
37	↕	↕	↕	thru	↕		1 each, vary in 7 increments of 1'-7										
38	1	4	4-6	1A423H	Str												
39																	
40	1	4	15-10	1A423I	Str												
41	↕	↕	↕	thru	↕		1 each, vary in 12 increments of 1'-0										
42	1	4	3-10	1A423U	Str												
43																	
44																	
45	20	5	20-7	1A514	Str												
46	*40	5	4-9	1A516A	Str												
47	39	5	7-9	1A516B	Str												
48																	
49	*37	6	8-6	1A603	Str												
50	32	6	18-7	1A618	Str												
51	3	6	9-6	1A620K	Str												
52	2	6	14-9	1A620W	Str												
53																	
54	1	6	3-6	1A620A	Str												
55	↕	↕	↕	thru	↕		1 each, vary in 9 increments of 0-7										
56	1	6	8-9	1A620J	Str												
57																	
58	1	6	4-3	1A620L	Str												
59	↕	↕	↕	thru	↕		1 each, vary in 10 increments of 1'-0										
60	1	6	14-3	1A620V	Str												
61																	
62	*18	7	9-0	1A708	Str												
63																	
64	26	8	21-2	1A813	Str												
65	*19	8	4-0	1A829	Str												
66																	
67	*29	9	14-0	1A904	Str												
68																	
69	*14	10	14-6	1A1009	Str												
70																	
71	24	11	27-0	1A1110A	Str												
72	24	11	28-0	1A1110B	Str												
73	24	11	29-0	1A1110C	Str												
74	18	11	20-0	1A1110D	Str												
75	*31	11	10-0	1A1110E	Str												
76																	
77	27	4	9-10	1A411A	T1	5	1-6	3-0	1-6	3-0		5					
78	18	4	9-8	1A411B	T1	5	1-5	3-0	1-5	3-0		5					
79	9	4	9-6	1A411C	T1	5	1-4	3-0	1-4	3-0		5					
80	6	4	9-4	1A411D	T1	5	1-3	3-0	1-3	3-0		5					
81	6	4	9-2	1A411E	T1	5	1-2	3-0	1-2	3-0		5					

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
					Abutment No. 1 (Cont.)												
82	38	4	19-4	1A415	T1	5	3-9	5-6	3-9	5-6		5					
83	30	4	8-1	1A427	T1	0	2-10	1-9	1-3	2-3		0					
84																	
85	9	4	12-2	1A412A	T1	5	1-3	4-5	1-3	4-5		5	9 each, vary "C" &				
86	↕	↕	↕	thru	↕	↕	↕	↕	↕	↕		↕	"E" in increments				
87	9	4	9-4	1A412L	T1	5	1-3	3-0	1-3	3-0		5	of 0-1½+				
88																	
89	14	6	7-4	1A621A	14		1-0	5-4	1-0				0-10				6-2
90	14	6	11-4	1A621B	14		1-0	9-4	1-0				0-5				11-0
91	30	8	10-8	1A802	1	1-1	8-6					1-1					
92	15	8	11-2	1A807	1	1-1	9-0					1-1					
93	26	11	17-2	1A1101	1	1-7	14-0					1-7					
94	120	11	9-1	1A1105	1	1-7	7-6										
95	15	11	17-8	1A1106	1	1-7	14-6					1-7					
96																	
97																	
98																	
99																	
100							Abutment No. 2										
101	40	4	7-6	2A412	Str												
102	1		9-7	414I													
103	1		10-2	414J													
104	3		10-8	414K													
105	1		16-6	414T													
106	1		17-7	414U													
107	2		18-2	414V													
108	4		9-2	417A													
109	5		17-0	417B													
110	2		8-10	417J													
111	6		16-8	417K													
112	1		16-2	418A													
113	1		15-10	418I													
114	9		4-0	419													
115	6		4-10	420													
116	3		5-7	421A													
117	3		4-0	421B													
118	8		10-8	423A													
119	8	4	18-2	2A423B	Str												
120																	
121	1	4	8-10	2A414A	Str												
122	↕	↕	↕	thru	↕				1 each, vary in 7 increments of 0-6¾−								
123	1	4	12-9	2A414H	Str												
124																	
125	1	4	9-5	2A414L	Str												
126	↕	↕	↕	thru	↕				1 each, vary in 7 increments of 1-1½−								
127	1	4	17-3	2A414S	Str												
128																	
129	1	4	15-7	2A417C	Str												
130	↕	↕	↕	thru	↕				1 each, vary in 6 increments of 1-9¾+								
131	1	4	4-8	2A417I	Str												
132																	
133	1	4	15-10	2A417L	Str												
134	↕	↕	↕	thru	↕				1 each, vary in 12 increments of 0-11								
135	1	4	4-10	2A417X	Str												
136																	
137	1	4	14-9	2A418B	Str												
138	↕	↕	↕	thru	↕				1 each, vary in 6 increments of 1-9¾+								
139	1	4	3-10	2A418H	Str												
140																	
141	1	4	15-0	2A418J	Str												
142	↕	↕	↕	thru	↕				1 each, vary in 12 increments of 0-11								
143	1	4	4-0	2A418V	Str												
144																	
145	20	5	22-10	2A510	Str												
146	44	5	4-9	2A511A	Str												
147	44	5	7-6	2A511B	Str												
148																	
149	60	6	9-6	2A603	Str												
150	32	6	20-10	2A613	Str												
151	2	6	9-0	2A615K	Str												
152	2	6	15-3	2A615V	Str												
153																	
154	1	6	3-4	2A615A	Str												
155	↕	↕	↕	thru	↕				1 each, vary in 9 increments of 0-6¾+								
156	1	6	8-6	2A615J	Str												
157																	
158	1	6	4-6	2A615L	Str												
159	↕	↕	↕	thru	↕				1 each, vary in 9 increments of 1-1½−								
160	1	6	14-6	2A615U	Str												
161																	
162	20	8	4-0	2A824	Str												

TYPICAL BAR BENDS



ENLARGED VIEW SHOWING BAR BENDING DETAILS



NOTES

1. All dimensions are out to out of bar
2. 'J' dimensions on 180° hooks to be shown only where necessary to restrict hook size otherwise standard hooks are to be used
3. Where 'J' is not shown, 'J' will be kept equal to or less than 'H'. Where 'J' can exceed 'H', it should be shown.
4. 'H' dimension on stirrups to be shown where necessary to restrict hooks.
5. Where bars are to be bent more accurately than standard bending tolerances bending dimensions which require closer working should have limits indicated
6. Figures in circles show types
7. No allowance for bend curvature is to be made except for standard hook & radii in excess of same.

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
163						Abutment No. 2 (Cont.)											
164	30	9	23-7	2A909	Str												
165	33	10	12-6	2A1004	Str												
166	36	11	16-0	2A1106A	Str												
167	36	11	17-0	2A1106B	Str												
168	36	11	18-0	2A1106C	Str												
169																	
170	117	4	9-10	2A407	T1	5	1-3	3-3	1-3	3-3		5					
171	42	4	18-8	2A408	T1	6	3-5	5-6	3-5	5-6		5					
172	30	4	8-1	2A422	T1	0	2-10	1-9	1-3	2-3		0					
173																	
174	13	6	6-6	2A616A	14		1-0	4-6	1-0				0-9				5-2½
175	13	6	11-6	2A616B	14		1-0	9-6	1-0				0-4¼				11-0
176																	
177	78	7	11-2	2A702	1	10	9-6					10					
178																	
179	45	11	15-8	2A1101	1	1-7	12-6					1-7					
180	108	11	8-7	2A1105	1	1-7	7-0										
181																	
182																	
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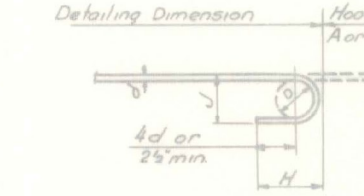
185																	
186																	
187																	
188																	
189																	
190																	



STANDARD HOOK DETAIL

BAR SIZES

Equivalent Size	Present Number	Weight per ft.
¼"φ	2	.167
⅜"φ	3	.376
½"φ	4	.668
⅝"φ	5	1.043
¾"φ	6	1.502
⅞"φ	7	2.044
1"φ	8	2.670
1"φ	9	3.400
1⅛"φ	10	4.303
1¼"φ	11	5.313
1½"φ	14 S	7.650
2"φ	18S	13.600

GENERAL NOTES

(1) Unless otherwise designated all standard reinforcement shall be deformed bars conforming with the requirements of the "Standard Specification for Billet-Steel Bars for Concrete Reinforcement"(Intermediate Grade) AASHO Designation M31-60 or its latest revision.

(2) Unless otherwise designated all special large size reinforcement shall be deformed bars conforming with the requirements of the "Standard Specification for Special Large size Deformed Billet-Steel Bars for Concrete Reinforcement"(Intermediate Grade) AASHO Designation M-174-60 or its latest revision.

(3) * Denotes one extra bar added for testing purposes.

(4) Stirrups and tie bars shall be bent around a pin having a diameter not less than two times the minimum thickness of the bar. Bends for other bars shall be made around a pin having a diameter not less than six times the minimum

(4) (continued) thickness except for bars larger than 1 inch, in which case the bends shall be made around a pin of eight bar diameters.

ESTIMATED QUANTITIES

LOCATION	PLAN (LBS)	FINAL (LBS)
Abutment No. 1	35,345	
Abutment No. 2	30,680	
Total this Sheet	66,025	

Br. 114 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Moretown
Route 100-B over Mad River
Reinforcing - Abutments No. 1 & 2

DRAWN BY WBT CHECKED BY RLO
PROJECT S NO. 0167(3)
SHEET 60 OF 104

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
				Pier													
1	28	4	17-9	P403	Str												
2	30	4	26-0	P409	Str												
3	24	4	24-0	P413	Str												
4	30	4	2-2	P422	Str												
5																	
6	35	5	13-6	P504	Str												
7																	
8	56	6	18-0	P608	Str												
9	16	6	19-9	P618	Str												
10	6	6	22-10	P619	Str												
11																	
12	62	8	14-9	P806	Str												
13																	
14	30	4	3-6	P410	10	2-0	5-6	2-0							1-9	3-6	
15	60	4	14-2	P411	T1	5	3-2	3-6	3-2	3-6		5					
16	15	4	12-2	P412	T1	5	2-2	3-6	2-2	3-6		5					
17	24	4	7-11	P414	10	2-0	3-11	2-1							1-3	2-6	
18	24	4	12-2	P415	T1	5	3-2	2-6	3-2	2-6		5					
19	36	4	10-2	P416	T1	5	2-2	2-6	2-2	2-6		5					
20	2	4	19-10	P421A	T1	5	4-10	4-8	4-10	4-8		5					
21	2	4	20-6	P421B	T1	5	5-2	4-8	5-2	4-8		5					
22	2	4	21-2	P421C	T1	5	5-6	4-8	5-6	4-8		5					
23	4	4	21-6	P421D	T1	5	5-8	4-8	5-8	4-8		5					
24	30	4	6-8	P423	17		2-3	2-2	2-3								
25																	
26	28	5	18-5	P502	1	7	17-10										
27	56	6	5-2	P607	1	8	4-6										
28	10	6	22-4	P617	19		5-7	16-9					2-0		5-3		22-0
29																	
30	62	8	7-2	P805	1	1-1	6-1										
31																	
32	35	11	16-8	P1101	1	1-7	13-6					1-7					
33	20	11	15-4	P1120	2	3-6	11-10										
34																	
35																	
36																	
37																	
38																	
39																	
40																	
41				**Superstructure**													
42																	
43				**Span 1**													
44	*361	5	31-10	15502	Str												
45	606	5	35-0	13501	Str												
46	* 51	6	32-3	13603	Str												
47	204	4	5-3	15404	33	5	1-4	1-9	1-4			5					
48	8	5	17-0	15505	Str												
49																	
50																	
51				**Span 2**													
52				Same as Span 1 except Mark 28---													
53				and no Test Bars													
54																	
55																	
56																	
57																	
58																	
59																	
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Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
				Approach Slab No.1													
82	2	5	18-1	1A54	Str												
83	21	5	29-6	1A33	Str												
84																	
85	1	5	27-8	1A33A	Str												
86	↓	↓	↓	thru	↓		1 each, vary in 14 increments of 1-9½"										
87	1	5	2-6	1A33B	Str												
88																	
89	1	10	20-11	1A32A	Str												
90	↓	↓	↓	thru	↓		1 each, vary in 29 increments of 0-6½"										
91	1	10	4-10	1A32DD	Str												
92																	
93	*32	10	20-7	1A31	1	1-1	19-6							9			
94																	
95																	
96																	
97																	
98				**Approach Slab No.2**													
99	2	5	20-5	2A54	Str												
100	21	5	29-6	2A33	Str												
101																	
102	1	5	28-4	2A33A	Str												
103	↓	↓	↓	thru	↓		1 each, vary in 23 increments of 1-1⅞"										
104	1	5	2-0	2A33X	Str												
105																	
106	1	10	30-1	2A32A	Str												
107	↓	↓	↓	thru	↓		1 each, vary in 29 increments of 0-10¼"										
108	1	10	5-1	2A32DD	Str												
109																	
110	31	10	20-7	2A31	1	1-1	19-6							9			
111																	
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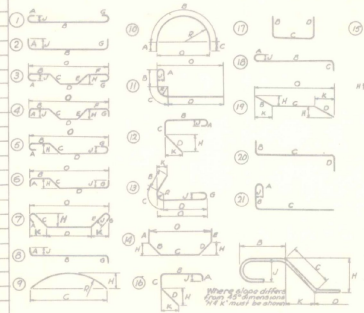
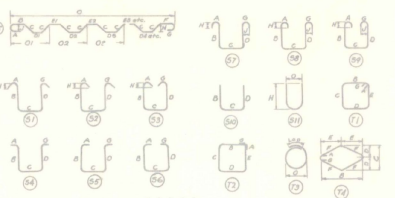
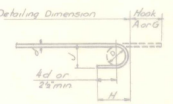
TYPICAL BAR BENDS





NOTES

1. All dimensions are out to out of bar
2. 'J' dimensions on 180° hooks to be shown only where necessary to restrict hook size otherwise standard hooks are to be used
3. Where 'J' is not shown, 'J' will be kept equal to or less than 'H'. Where 'J' can exceed 'H', it should be shown.
4. 'H' dimension on stirrups to be shown where necessary to restrict hooks.
5. Where bars are to be bent more accurately than standard bending tolerances bending dimensions which require closer working should have limits indicated
6. Figures in circles show types
7. No allowance for bend curvature is to be made except for standard hook & radii in excess of same.



STANDARD HOOK DETAIL

BAR SIZES

Equivalent Size	Present Number	Weight per ft.
¼"	2	.167
⅜"	3	.376
½"	4	.668
⅝"	5	1.043
¾"	6	1.502
⅞"	7	2.044
1"	8	2.670
1⅛"	9	3.400
1¼"	10	4.303
1⅜"	11	5.313
1½"	14.5	7.650
2"	18S	13.600

GENERAL NOTES

(1) Unless otherwise designated all standard reinforcement shall be deformed bars conforming with the requirements of the "Standard Specification for Billet-Steel Bars for Concrete Reinforcement"(Intermediate Grade) AASHO Designation M31-60 or its latest revision.

(2) Unless otherwise designated all special large size reinforcement shall be deformed bars conforming with the requirements of the "Standard Specification for Special Large size Deformed Billet-Steel Bars for Concrete Reinforcement"(Intermediate Grade) AASHO Designation M-174-60 or its latest revision.

(3) * Denotes one extra bar added for testing purposes.

(4) Stirrups and tie bars shall be bent around a pin having a diameter not less than two times the minimum thickness of the bar. Bends for other bars shall be made around a pin having a diameter not less than six times the minimum thickness except for bars larger than 1 inch, in which case the bends shall be made around a pin of eight bar diameters.

ESTIMATED QUANTITIES

LOCATION	PLAN (LBS)	FINAL (LBS)
Pier	15,355	
Superstructure:		
Span 1	37,295	
Span 2	37,215	
Approach Slab 1	5,420	
Approach Slab 2	6,085	
Total this Sheet	101,370	
Total Br. 114	66,025	
Total	167,395	

Br. 115 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Moretown
Route 100-B over Mad River
Reinforcing - Pier, Superstructure, & Approach Slabs
DRAWN BY WBT CHECKED BY RLO
PROJECT S NO. 0167(3)
SHEET 61 OF 104

ASTM - A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE PLATE GIRDER G6A				
1	pa56	PL 97 3/4 x 3/8 (SEE DWG CD2)	91	4 1/4	ORD B 88857 PL 100 x 3/8 x 32-0	11841
1	pb56	PL 99 x 3/8	29	11 15/16	ORD B 88863 PL 100 x 3/8 x 32-0	3938
1	pc56	PL 16 x 1 13/16	49	2 3/4	ORD B88863 PL 16 x 1 13/16 x 50-0	9867
1	pd56	do	49	1 1/2		
2	pf56	PL 16 x 1 9/16	20	11 9/16	ORD B88863 PL 16 x 1 9/16 x 57-0	8473
2	pg56	do	21	0 3/16		
1	pd51	do	7	0 3/16		
1	pf51	do	6	11 9/16		
1	ph56	PL 16 x 3/4	22	10	ORD B 88875 PL 16 x 3/4 x 47-0	1896
1	pc22	do	22	10		
4	pk27	PL 16 x 7/8	3	1	ORD B88875 PL 16 x 7/8 x 31-8	597
8	pm27	BAR 7 1/2 x 3/4	3	1	ORD B88879 @ 15-6	471
4	pn27	PL 19 x 3/8	7	9 1/4	ORD B88875 @ 32-0	769
19	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0	1402
6	pk22	do	8	0		
1	pm22	BAR 7 x 5/8	8	0	ORD B88879 @ 17-0	238
1	pn22	do	8	0		
1	pp56	BAR 4 x 3/8	89	4 7/8 ±	ORD USS 88853 @ 20-0	599
1	pt56	do	28	1 ±		
1	ps23	BAR 8 x 3/8	0	9	RES @ 20-0	
1	pt28	do	0	9		
1	ps28	do	0	9		
1	pw28	do	0	9		
1	ps27	do	0	9		
1	pw27	do	0	8 1/2		
1	pt27	do	0	9		

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JV	25 JAN 67
C'K'D BY	HP	2-6-67

HOLES 15/16 ϕ
BOLTS 7/8 Hi TEN
PAINT RL (VT SPEC) & AS NOTED

PROJECT VT. RTE #100 S106T(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS
JOB NO. 66-1265 SHEET NO. 56 9/6

PRINT RECORD

NO.	FOR	DATE
3	ARA	2-6
1	SHOP	2-7
7	STATE SHOP	3-1
1	WWW	5-18

7-65 QCP

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G6A (CONT)					
1	ps26	BAR 8 x 3/8	0	8 1/2	RES@20-0		
1	pz28	do	0	8 1/2			
1	pa30	do	0	8 1/2			
1	pz56	do	2	4 1/16		99 ✓	
122		7/8φ HI TEN BOLTS	0	2 1/2		118 ✓	
104		7/8φ HI TEN BOLTS	0	4 1/2		134 ✓	
226		7/8φ HARD WASHERS				23 ✓	
		3/16 S WELD	626	11 7/8		~~94~~ ✓	56
		1/4 S WELD	130	5		~~33~~ ✓	21
		3/8 S WELD	436	2 1/8		~~212~~ ✓	156
						~~40810.~~ ✓	
						40698	

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JV	25 JAN 67
C'K'D BY		

HOLES 15/16φ
BOLTS 7/8 Hi TEN
PAINT R.L. (VT SPEC) & AS NOTED

PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS
JOB NO. 66-1265 SHEET NO. 56 b/b

PRINT RECORD

NO.	FOR	DATE
3	ADD	2-6
1	SHOP	2-7
7	STATE SHOP	3-1
1	W.W.W.	5-18

10M 7-65 QCP

ASTM-A36

BILL OF MATERIAL

	NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
			ONE PLATE GIRDER G7A				
	1	pa57	PL 97¾ x ⅜ (SEE DWG # CD2)	90	7 3/16	ORD B88857 PL 100 x ⅜ x 32-0	1174
	1	pb56	PL 99 x ⅜	29	11 15/16	ORD B88863 PL 100 x ⅜ x 32-0	393
	1	pc57	PL 16 x 1 13/16	48	5 11/16	ORD B88863 @ 50-0	971
	1	pd57	do	48	4 7/16		
	2	pf56	PL 16 x 1 9/16	20	11 9/16	ORD B88863 @ 57-0	847
	2	pg56	do	21	0 3/16		
	1	pd51	do	7	0 3/16		
	1	pf51	do	6	11 9/16		
	1	ph56	PL 16 x ¾	22	10	ORD B88875 @ 47-0	189
	1	pc22	do	22	10		
	4	pk27	PL 16 x ⅞	3	1	ORD B88875 @ 47-0	59
	8	pm27	BAR 7½ x ¾	3	1	ORD B88879 @ 15-6	47
	4	pn27	PL 19 x ⅜	7	9¼	ORD B88875 @ 32-0	76
	19	ph22	BAR 5½ x ⅜	8	0		
	6	pk22	do	8	0		
	1	ph57	do	8	0		
	2	pg28	do	8	0		
	2	pm28	do	8	0	ORD B88645 @ 17-0	173
	1	pn57	do	8	0		
	1	pm22	BAR 7 x ⅝	8	0	ORD B88879 @ 17-0	23
	1	pm57	do	8	0		

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JV	27 JAN 67
C'K'D BY	HP	2-6-67

HOLES 15/16 ϕ
BOLTS ⅞ Hi Ten
PAINT R.L. (VT SPEC) & As Noted

PROJECT Vt. Rte #100 S1067(3)
LOCATION MORETOWN, Vt.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT OF HWYS
JOB NO. 66-1265 SHEET NO. 57 a/b

PRINT RECORD

NO.	FOR	DATE
3	FAB	2-6
1	SHOP	2-7
7	STATE SHOP	3-1
1	W.W.W	5-18

10M 7-65 QCP

ASTM - A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G 7A (CONT.)					
4	ppb28	BAR 4x3/8	19	11 11/16	ORD USS 88853 @ 20-0		
1	ppc57	do	1	5 7/16			
1	ppd57	do	7	1 3/4			
1	ppf57	do	11	0 11/16			
1	ppg57	do	17	0		595 ✓	
1	ps22	BAR 8x3/8	0	9			
2	ps28	do	0	9			
2	pt28	do	0	9	RES @ 20-0		
2	pt27	do	0	9			
2	pw27	do	0	8 1/2			
2	ps25	do	0	8 1/2			
1	pz57	do	1	4 1/2		96 ✓	
122		7/8 ϕ Hi TEN BOLTS	0	2 1/2		118 ✓	
104		do	0	4 1/2		134 ✓	
226		7/8 ϕ HARD WASHERS				23 ✓	
		3/16 f WELD	719	0 1/4		~~108~~ ✓	65
		1/4 f WELD	131	11		~~33~~ ✓	21
		3/8 f WELD	435	5 3/4		~~218~~ ✓	156
						~~4090~~	

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

40789

		DATE
DRAWN BY	JW	27 JAN 67
C'K'D BY	HP	2-6-67

HOLES 15/16 ϕ
BOLTS 7/8 Hi TEN
PAINT R.L. (VT SPEC) & AS NOTED

PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS
JOB NO. 66-1265 SHEET NO. 57 b/6

PRINT RECORD

NO.	FOR	DATE
3	FAB'N	2-6
1	SHOP	2-7
7	SHOP STATE	3-1
1	W.W.W.	5-18

10M 7-65 QCP

ASTM - A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G8A					
1	pa57	PL 97 3/4 x 3/8 (SEE DWG # CD2)	30	7 3/16	ORD B88857 PL 100 x 3/8 x 32-0	11744	✓
1	pb56	PL 99 x 3/8 (SEE DWG # CD2)	29	11 15/16	ORD B88863 PL 100 x 3/8 x 32-0	3938	✓
1	pc57	PL 16 x 1 13/16	48	5 11/16	ORD B88863 @50-0	9717	✓
1	pd57	do	48	4 7/16		"	
2	pf56	PL 16 x 1 9/16	20	11 9/16	ORD B88863 @5T-0	8473	✓
2	pa56	do	21	0 3/16			
1	pd51	do	7	0 3/16			
1	pf51	do	6	11 9/16			
1	ph56	PL 16 x 3/4	22	10	ORD B88875 @47-0	1896	✓
1	pc22	do	22	10			
4	pk27	PL 16 x 7/8	3	1	ORD B88876 @47-0	597	✓
8	pm27	BAR 7 1/2 x 3/4	3	1	ORD B88873 @15-6	471	✓
4	pn27	PL 19 x 3/8	7	3 1/4	ORD B88875 @32-0	769	✓
19	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645 @17-0	1738	✓
6	pk22	do	8	0			
2	pb29	do	8	0			
1	pc29	do	8	0			
1	pg28	do	8	0			
1	pd29	do	8	0			
1	pn28	do	8	0			
2	pm22	BAR 7 x 5/8	8	0	ORD B88879 @17-0	238	✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JV	27 JAN 67
C'K'D BY	HP	2-3-67

HOLES 15/16 ϕ
BOLTS 7/8 Hi Ten
PAINT R.L. (VT SPEC) & AS NOTED

PROJECT VT. RTE #100 S1067(3).
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT OF HWYS
JOB NO 66-1265 SHEET NO 58 a/b

PRINT RECORD

NO.	FOR	DATE
3	FAB	2-6
1	SHOP	2-7
7	STATE SHOP	3-1
1	WWW	5-18

ASTM - A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE PLATE GIRDER (CONT.)	G	8A		
4	ppb 28	BAR 4 x 3/8	19	11 11/16	ORD USS 88853 @ 20-0	
1	ppc 57	do	1	5 7/16		
1	ppd 57	do	7	1 3/4		
1	ppf 57	do	11	0 11/16		
1	ppg 57	do	17	0		595 ✓
122		7/8 ϕ Hi Ten Bolts	0	2 1/2		118 ✓
104		do	0	4 1/2		134 ✓
226		7/8 ϕ Hard Washers				23 ✓
		3/16 f Weld	719	0 1/4		~~108~~ ✓ 65
		1/4 f Weld	131	11		~~33~~ ✓ 21
		3/8 f Weld	407	6 3/4		~~204~~ ✓ 146
						~~407~~ 96 ✓
						40683

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JV	27 JAN 67
C'K'D BY	~~HP~~	2-3-67

HOLES 15/16 ϕ
BOLTS 7/8 Hi Ten
PAINT R.L. (Vt Spec) & As Noted

PROJECT Vt. Rte #100 S1067(3)
LOCATION Moretown, Vt.
CUSTOMER W.W. Wyman
ARCHITECT State Of Vt. Dept Of Hwys
JOB NO. 66-1265 SHEET NO. 58 b/b

PRINT RECORD

NO.	FOR	DATE
3	APP	2-6
1	SHOP	2-7
7	STATE SHOP	3-1
1	WWW	3-18

JM 7-65 QCP

ASTM - A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE PLATE GIRDER G9A				
1	pa57	PL 97¾ x ⅜ (SEE DWG # CD2)	90	7 3/16	ORD B88857 PL 100 x ⅜ x 32-0	1174
1	pb56	PL 95 x ⅜	29	1 15/16	ORD B88863 PL 100 x ⅜ x 32-0	393
1	pc57	PL 16 x 1 13/16	48	5 11/16	ORD B88863 @ 50-0	971
1	pd57	do	48	4 7/16		
2	pf56	PL 16 x 1 9/16	20	11 9/16	ORD B88863 @ 57-0.	
2	pg56	do	21	0 3/16		
1	pd51	do	7	0 3/16		
1	pf51	do	6	11 9/16		847
1	ph56	PL 16 x ¾	22	10	ORD B88875 @ 47-0	
1	pc22	do	22	10		189
4	pk27	PL 16 x ⅞	3	1	ORD B88875 @ 47-0	59
8	pm27	BAR 7½ x ¾	3	1	ORD B88879 @ 15-6	47
4	pn27	PL 19 x ⅜	7	9¼	ORD B88875 @ 32-0	76
19	ph22	BAR 5½ x ⅜	8	0		
6	pk22	do	8	0		
1	pa29	do	8	0		
1	pb29	do	8	0		
1	pc29	do	8	0	ORD B88645 @ 17-0	
1	ph57	do	8	0		
1	px59	do	8	0		
1	pz59	do	8	0		173
1	pm22	BAR 7 x ⅝	8	0	ORD B88879 @ 17-0	
1	pm59	do	8	0		23

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JV	27 JAN 67
C'K'D BY		

HOLES 15/16 ϕ
BOLTS ⅞ Hi Ten
PAINT R.L. (Vt Spec) & As Noted

PROJECT Vt. Rte #100 S106T(3)
LOCATION MORETOWN, Vt.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF Vt. DEPT OF HWYS
JOB NO. 66-1265 SHEET NO. 59 a/b

PRINT RECORD

NO.	FOR	DATE
3	ADD	2-6
1	SHOP	2-7
7	STATE SHOP	3-1
1	W.W.W.	5-18

FORM 7-65 QCP

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE PLATE GIRDER (CONT.)	G	9A		
4	ppb28	BAR 4x3/8	19	11 11/16	ORD USS 88853	
1	ppc57	do	1	5 7/16	@ 20-0	
1	ppd57	do	7	1 3/4		
1	ppf57	do	11	0 11/16		
1	ppg57	do	17	0		595
1	ps26	BAR 8x3/8	0	8 1/2		
3	pt26	do	0	8 1/2		
2	pb30	do	0	8 1/2	RES @ 20-0	
2	pn31	do	0	8 1/2		
2	pp31	do	0	8 1/2		
2	pp259	do	0	8 1/2		87
122		7/8ϕ HI TEN BOLTS	0	2 1/2		118
104		do	0	4 1/2		134
226		7/8ϕ HARD WASHERS				23
		3/16 f WELD	719	0 4		~~108~~ 65
		1/4 f WELD	131	11		~~33~~ 21
		3/8 f WELD	433	6 3/4		~~217~~ 155
						~~40796~~
						40779

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JH	27 JAN 67
CK'D BY	HP	2-6-67

HOLES 15/16ϕ
BOLTS 7/8 HI TEN
PAINT R.L. (VT SPEC) & AS NOTED

PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS
JOB NO. 66-1265 SHEET NO. 59 b/b

PRINT RECORD

NO.	FOR	DATE
3	APP	2-6
1	SHOP	2-7
7	STATE SHOP	3-1
1	WW&L	5-18

IOM 7-65 QCO

ASTM-A36

BILL OF MATERIAL

	NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
			ONE PLATE GIRDER G10A				
	1	pa60	PL 97 3/4 x 3/8 (SEE DWG #CD2)	89	10	ORD B88857 PL 100 x 3/8 x 92-0	1164 4
	1	pb56	PL 99 x 3/8 (SEE DWG #CD2)	29	11 15/16	ORD B88853 PL 100 x 3/8 x 32-0	393 8
	1	pc60	PL 16 x 1 13/16	47	8 1/2	ORD B88863 @ 50-0	
	1	pd60	do	47	7 1/4		956 2
	2	pf56	PL 16 x 1 9/16	20	11 9/16	ORD B88863 @ 57-0	
	2	pg56	do	21	0 3/16		
	1	pd51	do	7	0 3/16		
	1	pf51	do	6	11 9/16		847 3
	1	ph56	PL 16 x 3/4	22	10	ORD B88875 @ 47-0	
	1	pc22	do	22	10		189 6
	4	pk27	PL 16 x 7/8	3	1	ORD B88875 @ 31-8	59 7
	8	pm27	BAR 7 1/2 x 3/4	3	1	ORD B88879 @ 15-6	47 1
	4	pn27	PL 19 x 3/8	7	9 1/4	ORD B88875 @ 32-0	76 9
	19	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0	
	2	pg31	do	8	0		
	1	pa29	do	8	0		
	1	pb29	do	8	0		
	1	pc29	do	8	0		
	1	ph31	do	8	0		140 2
	1	pn22	BAR 7 x 5/8	8	0	ORD B88879 @ 17-6	
	1	pm22	do	8	0		23 8

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JV	30 JAN 67
C'K'D BY	HP	2-6-67

HOLES 15/16 ϕ
BOLTS 7/8 HI TEN
PAINT R.L. (VT. SPEC) & AS NOTED

PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT OF HWYS
JOB NO. 66-1265 SHEET NO. 60 a/b

PRINT RECORD

NO.	FOR	DATE
3	MDR	2-6
1	SHOP	2-7
7	SHOP STATE	3-1
1	W.W.W	5-18

10M 7-65 QCP

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G10A (CONT.)					
1	pt56	BAR 4 x 3/8	28	1 ±	ORD USS 88853 @ 20-0		
1	pz60	do	87	10 5/8 ±		591 ✓	
1	ps26	BAR 8 x 3/8	0	8 1/2	RES @ 20-0		
1	pk31	do	0	8 1/2			
1	pa30	do	0	8 1/2			
1	pc30	do	0	8 1/2			
1	pm31	do	0	8 1/2			
1	pn31	do	0	8 1/2			
1	pp31	do	0	8 1/2			
1	ps31	do	0	8 1/2			
1	pf30	do	0	8 1/2			
1	px60	do	0	8 1/2			
1	piw60	do	0	8 1/2		79 ✓	
122		7/8 ϕ HI TEN BOLTS	0	2 1/2		118 ✓	
104		do	0	4 1/2		134 ✓	
226		7/8 ϕ HARD WASHERS				23 ✓	
		3/16 S WELD	623	10 3/8		~~94~~ ✓	56
		1/4 S WELD	131	2		~~33~~ ✓	21
		3/8 S WELD	408	11		~~204~~ ✓	147
						~~402 66~~ ✓	
						40159	

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	JV	30JAN67
C'K'D BY	HP	2-6-67

HOLES 15/16 ϕ
BOLTS 7/8 Hi TEN
PAINT R.L. (VT. SPEC.) & AS NOTED

PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT OF HWYS
JOB NO. 66-1265 SHEET NO. 60b/b

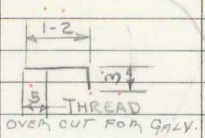
PRINT RECORD

NO.	FOR	DATE
3	APP	2-6
1	SHOP	2-7
7	SHOP STATE	3-1
1	WWW.	5-18

10M 7-65 QCP

BILL OF MATERIAL

(11)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
18	EXI	1 Ø THREADED RODS	1	6	THD 100 %	72	
36		1 Ø HEX NUT				10	
36		1 Ø WASHERS				7	
							89
		~ GALV. AFTER FAB ~					
8		3/4 Ø ANCHOR BOLTS	1	5		17	
16		3/4 Ø HEX NUTS				2	
							19
							108

THIS MATERIAL TO BE SENT TO THE GENERAL CONT. BEFORE GALV.,

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ S-1067 (3)

		DATE
DRAWN BY	RLM	12-14-66
C'K'D BY		

HOLES
BOLTS
PAINT NONE

PROJECT VT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. AB1

PRINT RECORD

NO.	FOR	DATE
4 ①	SHOP	12-15
2	STATE	2-28
1	W.W.W	5-18

10M 7-65 QCP

ASTM A

BILL OF MATERIAL

NO. PIECES	M.	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G 1A					
1	pa27	PL 97 5/8 x 3/8 (SEE DWG CD1)	89	2 9/16	ORD B88857 PL 100 x 3/8 x 92-0	11605	✓
1	pb27	PL 99 x 3/8	30	11 15/16	ORD B88863 PL 100 x 3/8 x 32-0	4089	✓
1	pc27	PL 16 x 1 13/16	49	1 1/16	ORD B88863		
1	pd27	do	48	11 13/16	PL 16 x 1 13/16 x 50-0	9840	✓
2	pf27	PL 16 x 1 9/16	19	11 9/16	ORD B88863		
2	pg27	do	20	0 3/16			
1	pd22	do	8	0 3/16	PL 16 x 1 9/16 x 57-0		
1	pf22	do	7	11 9/16		8300	✓
1	ph27	PL 16 x 3/4	22	10	ORD B88875		
1	pc22	do	22	10	PL 16 x 3/4 x 47-0	1896	✓
4	pK27	PL 16 x 7/8	3	1	ORD B88875 PL 16 x 7/8 x 31-8	597	✓
8	pm27	BAR 7 1/2 x 3/4	3	1	ORD B88879 @ 15-6	479	✓
4	pn27	PL 19 x 3/8	7	9 1/4	ORD B88875 @ 32-0	769	✓
19	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645		
6	pK22	do	8	0	@ 17-0	1402	✓
1	pm22	BAR 7 x 5/8	8	0	ORD B88879		
1	pn22	do	8	0	@ 17-0	238	✓
2	pp27	BAR 8 x 3/8	0	9			
2	ps27	do	0	9	RES @ 20-0		
2	pt27	do	0	9			
2	pw27	do	0	8 1/2		60	✓
		Wgt'd by Bert					39275
		Check by Ed Rich					

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167 (3)

		DATE
DRAWN BY	RLM	1-6-67
C'K'D BY	H	1-17-67

HOLES 15/16 Ø
BOLTS 7/8 Ø HI TEN
PAINT RL (VT SPEC)
& AS NOTED

PROJECT VERMONT RTE # 100
LOCATION MORETOWN, VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 27 a/b

PRINT RECORD

NO.	FOR	DATE
3	APP	1-18
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18

10M 7-65 QCP

ASTM- A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G/A (CONT)					
1	PX27	BAR 8 x 3/8	2	1 3/8	RES @ 20-0		
1	PT22	do	0	9			
1	PS26	do	0	8 1/2		36	✓
1	PZ27	BAR 4 x 3/8	87	3 1/4	ORD US 88853 @ 20-0		
1	PPa27	do	29	1 1/16		593	✓
122		7/8 ⌀ HITEN BOLTS	0	2 1/2		118	✓
104		7/8 ⌀ HITEN BOLTS	0	4 1/2		134	✓
226		7/8 ⌀ HARD WASHERS				23	✓
		3/16 S WELD	632	7		~~95~~	✓ 57
		1/4 S WELD	133	10		~~33~~	✓ 21
		3/8 S WELD	435	4		~~218~~	✓ 156
							~~1250~~ ✓
							1138
		augt'd by Dent					
		checked by ED					

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167 (3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	HP	1-17-67

HOLES 15/16 ⌀
BOLTS 7/8 ⌀ HITEN
PAINT RL (VT SPEC) & AS NOTED

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER WW WYMAN
ARCHITECT STATE OF VT DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 27 b/b

PRINT RECORD

NO.	FOR	DATE
3	APP	1-18
1	SHOP	1-18
4	SHOP	2-17
2	SHOP	2-28
1	W.W.W	5-18

10M 7-65 QCP

ASTM A36

BILL OF MATERIAL

	NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
			ONE PLATE GIRDER G2A					
	1	pa28	PL 97 5/8 x 3/8 (SEE DWG # CD1)	88	8 5/16	ORD B888857 PL 100 x 3/8 x 92-0	11537	✓
	1	pb27	PL 99 x 3/8 (SEE DWG # CD1)	30	11 15/16	ORD B88863 PL 100 x 3/8 x 32-0	4089	✓
	1	pc28	PL 16 x 1 13/16	48	6 13/16	ORD B88863 @ 50-0	9735	✓
	1	pd28	do	48	5 9/16			
	2	pf27	PL 16 x 1 9/16	19	11 9/16	ORD B88863 @ 57-0	8300	✓
	2	pg27	do	20	0 3/16			
	1	pd22	do	8	0 3/16			
	1	pf22	do	7	11 5/16			
	1	pb23	PL 16 x 3/4	22	10	ORD B88875 @ 47-0	1896	✓
	1	pc22	do	22	10			
	4	pk27	PL 16 x 7/8	3	1	ORD B88875 @ 47-0	597	✓
	8	pm27	BAR 7 1/2 x 3/4	3	1	ORD B88879 @ 15-6	471	✓
	4	pm27	PL 19 x 3/8	7	9 1/2	ORD B88875 @ 32-0	769	✓
	19	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0		
	6	pk22	do	8	0			
	1	pf28	do	8	0			
	1	pg28	do	8	0			
	1	ph28	do	8	0			
	1	pk28	do	8	0			
	1	pm28	do	8	0			
	1	pn28	do	8	0		1738	✓
								39132 ✓
			wgt'd by Burt					
			checked by ED Rich					

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

Proj # S-0167 (3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	HP	1-17-67

HOLES
BOLTS 7/8 HITEN
PAINT RLC VtSpec)

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 28 a/b

PRINT RECORD

NO.	FOR	DATE
3	APP	1-18
1	SHOP	1-18
4	SHOP	2-7
2	STATE	2-28
1	W.W.W	5-18

10M 7-65 QCP

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER (CONT)		62A			
1	PM22	BAR 7 x 5/8	8	0	} ORD B88879		
1	PP28	do	8	0	} @17-0	238	
1	PS23	BAR 8 x 3/8	0	9			
2	PS28	do	0	9			
2	PT28	do	0	9	} RES@20		
2	PW28	do	0	9			
2	PX28	do	0	9			
2	PZ28	do	0	8 1/2			
1	PPa28	do	1	4 1/2		97	✓
4	PPb28	BAR 4 x 3/8	19	11 11/16			
1	PPc28	do	1	0	} ORD HS88853		
1	PPd28	do	5	8 1/4	} @20-0		
1	PPf28	do	12	6 1/4			
1	PPg28	do	16	6		590	✓
122		7/8" HITEN BOLTS	0	2 1/2		118	✓
104		do	0	4 1/2		134	✓
226		7/8" HARD WASHERS				23	✓
		3/16 S WELD	735	11		~~110~~	✓ 66
		1/4 S WELD	134	9		~~34~~	✓ 21
		3/8 S WELD	436	3		~~218~~	✓ 156
		Δ Weld'd by Dent Δ Check by Dent 2-2					~~1567~~ ✓ 1443

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167 (3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	~~AP~~	1-17-67

PROJECT VERMONT RTE #100
LOCATION MORETOWN, VERMONT
CUSTOMER W W W YMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 28 b/b

HOLES 15/16 Ø
BOLTS 7/8 HITEN BOLTS
PAINT RL (VT SPEC) & AS NOTED

PRINT RECORD

NO.	FOR	DATE
3	ARP	1-18
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18

10M 7-65 QCP

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER	G3	A			
1	pa28	PL 97 5/8 x 3/8 (SEE DWG CD1)	88	8 5/16	ORD B88857 PL 100 x 3/8 x 92-0	11537	✓
1	pb27	PL 99 x 3/8	30	11 15/16	ORD B88863 PL 100 x 3/8 x 32-0	4089	✓
1	pc28	PL 16 x 1 13/16	48	6 13/16	ORD B88863 @ 50-0	9735	✓
1	pd28	do	48	5 9/16			
2	pf27	PL 16 x 1 9/16	19	11 8/16	ORD B88863 @ 57-0	8300	✓
2	pg27	do	20	0 3/16			
1	pd22	do	8	0 3/16			
1	pf22	do	7	11 9/16			
1	pb23	PL 16 x 3/4	22	10	ORD B88875 @ 47-0	1896	✓
1	pc22	do	22	10			
4	pk27	PL 16 x 7/8	3	1	ORD B88875 @ 47-0	597	✓
8	pm27	BAR 7 1/2 x 3/4	3	1	ORD B88879 @ 15-6	471	✓
4	pm27	PL 19 x 3/8	7	9 1/2	ORD B88875 @ 32-0	769	✓
19	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0		
6	pk22	do	8	0			
1	pa29a	do	8	0			
1	pb29a	do	8	0			
1	pc29a	do	8	0			
1	pd29a	do	8	0			
1	ph23a	do	8	0			
1	pg23a	do	8	0		1738	✓
						39132	✓

wgt'd by Bert
checked by Ed

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

Proj # S-0167 (3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	HP	1-17-67

HOLES 15/16 Ø
BOLTS 7/8 WHITEN
PAINT RLC VTSPEC)
& AS NOTED

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W.WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HIGHWAYS
JOB NO 66-1265 SHEET NO 29 of

PRINT RECORD

NO.	FOR	DATE
3	APP	1-18
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18

10M 7-65 QCP

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER (CONT)	G3	A			
1	pm22	BAR 7 x 5/8	8	0	ORD B88879 @ 17-0		
1	pf29	do	8	0		238	✓
4	ppb28	BAR 4 x 3/8	19	11 11/16	ORD US88853 @ 20-0		
1	ppc28	do	1	0			
1	ppd28	do	5	8 1/4			
1	ppf28	do	12	6 1/4			
1	ppg28	do	16	6		590	✓
122		7/8 Ø HITEN BOLTS	0	2 1/2		118	✓
104		7/8 Ø HITEN BOLTS	0	4 1/2		134	✓
226		7/8 Ø HARD WASHERS				23	✓
		3/16 S WELD	735	11		~~110~~	✓ 66
		1/4 S WELD	134	9		~~34~~	✓ 21
		3/8 S WELD	407	0		~~204~~	✓ 146
							~~1451~~
		Wgt'd by Dart					1336
		Checked by E.O.					

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167 (3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	HP	1-17-67

HOLES 15/16 Ø
BOLTS 7/8 Ø HITEN
PAINT RL (VT SPEC) & AS NOTED

PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HIGHWAYS
JOB NO. 66-1265
SHEET NO. 29 b/b

PRINT RECORD

NO.	FOR	DATE
3	APP	1-18
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18

10M 7-65 QCP

ASTM A3

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G4A					
1	pa28	PL 97 5/8 x 3/8 (SEE DWG # CD1)	88	8 5/16	ORD B88857 PL 100 x 3/8 x 92-0	11537	✓
1	pb27	PL 99 x 3/8	30	11 15/16	ORD B88863 PL 100 x 3/8 x 32-0	4089	✓
1	pc28	PL 16 x 1 13/16	48	6 13/16	ORD B88863 @ 50-0		
1	pd28	do	48	5 9/16		9735	✓
2	pf27	PL 16 x 1 9/16	19	11 9/16	ORD B88863 @ 57-0		
2	pg27	do	20	0 3/16			
1	pd22	do	8	0 3/16			
1	pf22	do	7	11 9/16		8300	✓
1	pb23	PL 16 x 3/4	22	10	ORD B88875 @ 47-0		
1	pc22	do	22	10		1896	✓
4	pk27	PL 16 x 7/8	3	1	ORD B88875 @ 47-0	597	✓
8	pm27	BAR 7 1/2 x 3/4	3	1	ORD B88879 @ 15-6	471	✓
4	pm27	PL 19 x 3/8	7	9 1/4	ORD B88875 @ 32-0	769	✓
19	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0		
6	pk22	do	8	0			
1	pa29b	do	8	0			
1	pb29b	do	8	0			
1	pc29b	do	8	0			
1	pd29b	do	8	0			
1	ph23b	do	8	0			
1	pf28b	do	8	0		1738	✓
						39132	✓

wgt's by Bert
check by [illegible]

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167 (3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	HP	1-17-67

HOLES 15/16 Q
BOLTS 7/8 Q HITEN
PAINT RL (VT SPEC)
& AS NOTED

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HIGHWAYS
JOB NO. 66-1265
SHEET NO. 30 a/b

PRINT RECORD

NO.	FOR	DATE
3 (1)	APP	1-18
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18

10M 7-65 QCP

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE RATE GIRDER (CONT)	G4	A			
2	pm22	BAR 7 x 5/8	8	0	ORD 88879 @ 17-0	238	✓
4	ppb28	BAR 4 x 3/8	19	11 11/16			
1	ppc28	do	1	0	ORD Hs 88853 @ 20-0		
1	ppd28	do	5	8 1/4			
1	ppf28	do	12	6 1/4			
1	ppg28	do	16	6		590	
2	pa30	BAR 8 x 3/8	0	8 1/2			
2	pb30	do	0	8 1/2			
2	pc30	do	0	8 1/2	RES @ 20		
2	pd30	do	0	8 1/2			
2	pf30	do	0	8 1/2			
1	ps25	do	0	8 1/2			
1	pt28	do	0	9		87	
122		7/8 Ø HI TEN BOLTS	0	2 1/2		118	✓
1104		do	0	4 1/2		134	✓
2226		7/8 Ø HARD WASHERS				23	✓
		3/16 S WELD	735	11		~~110~~	✓ 66
		1/4 S WELD	134	9		~~34~~	✓ 21
		3/8 S WELD	435	0		~~218~~	✓ 156
							~~1557~~ 1433

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167(3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	HP	1-17-67

HOLES 15/16 Ø
BOLTS 7/8 Ø HI TEN
PAINT RL (VT SPEC) & AS NOTED

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265
SHEET NO. 30 b/b

PRINT RECORD

NO.	FOR	DATE
3①	APP	1-18
1	SHOP	1-19
4	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18

10M 7-65 QCP

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER		G5A			
1	pa31	PL 97 5/8 x 3/8 (SEE DWG # CD1)	88	2	ORD B88857 PL 100 x 3/8 x 92-0	11468	✓
1	pb27	PL 99 x 3/8	30	11 15/16	ORD B88863 PL 100 x 3/8 x 32-0	4089	✓
1	pb31	PL 16 x 1 13/16	48	0 1/2	ORD B88863 @ 50-0		
1	pc31	do	47	11 1/4		9629	✓
2	pf27	PL 16 x 1 9/16	19	11 9/16	ORD B88863 @ 57-0		
2	pg21	do	20	0 3/16			
1	pd22	do	8	0 3/16			
1	pf22	do	7	11 9/16		8300	✓
1	pd31	PL 16 x 3/4	22	10	ORD B88875 @ 47-0		
1	pc22	do	22	10		1896	✓
4	pk27	PL 16 x 7/8	3	1	ORD B88875 @ 47-0	597	✓
8	pm27	BAR 7 1/2 x 3/4	3	1	ORD B88874 @ 15-6	471	✓
4	pm27	PL 19 x 3/8	7	9 1/4	ORD B88875 @ 32-0	769	✓
19	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0		
1	pf31	do	8	0			
1	pg31	do	8	0			
1	ph31	do	8	0			
1	ph23	do	8	0			
1	pf28	do	8	0			
1	pc29	do	8	0		1402	✓
		weighed by Bart					38621
		Check by Ed					

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167(3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	HP	1-17-67

HOLES 15/16 Ø
BOLTS 7/8 Ø HI TEN.
PAINT RL (VT SPEC)
& AS NOTED

PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 31 a/b

PRINT RECORD

NO.	FOR	DATE
3	APP	1-18
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18

10M 7-65 QCP

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G5A (CONT)					
1	pm22	BAR 7 x 5/8	8	0	} ORD B 88879		
1	pm22	do	8	0	} @ 17-0	238	/
1	PZ31	BAR 4 x 3/8	86	2 5/8	} ORD Us 88859		
1	pp27	do	29	0 1/4	@ 20-0	588	/
2	PK31	BAR 8 x 3/8	0	8 1/2			
2	pm31	do	0	8 1/2			
2	pm31	do	0	8 1/2	RES		
2	PP31	do	0	8 1/2	@ 20-0		
1	pS31	do	0	8 1/2			
1	pT31	do	0	9			
1	pT26	do	0	8 1/2		79	/
122		7/8 ø HI TEN BOLTS	0	2 1/2		118	/
104		do	0	4 1/2		134	/
226		7/8 ø HARD WASHERS				23	/
		3/16 S WELD	632	7		~~95~~	/ 57
		1/4 S WELD	133	10		~~33~~	/ 21
		3/8 S WELD	426	11		~~213~~	/ 153
							~~571~~
							1411

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ #S-0167 (3)

		DATE
DRAWN BY	RLM	1-9-67
C'K'D BY	##	1-17-67

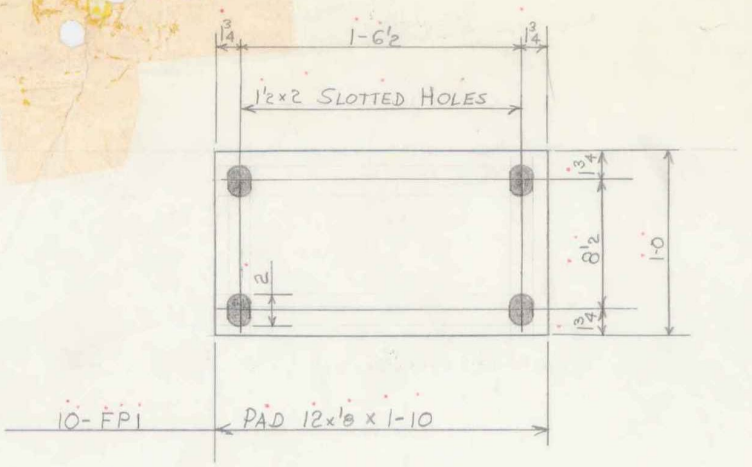
HOLES 15/16 ø
BOLTS 7/8 ø HI TEN
PAINT RL (VT SPEC)
1 AS NOTED

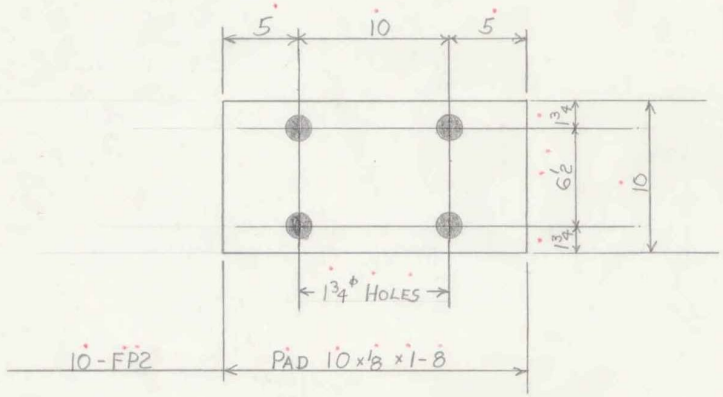
PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 31 b/b

PRINT RECORD

NO.	FOR	DATE
3	FAB	1-18
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18

10M 7-65 QCP





BILL OF MATERIAL

	NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
			FABREEKA PADS					
	10	FP1	PAD 12 x 1/8	1	10	ORD FABREEKA #89221 SHIP TO SHOP 1-27-67	16	
	10	FP2	PAD 10 x 1/8	1	8	ORD FABREEKA # 89221 SHIP TO SHOP 1-27-67	12	28

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

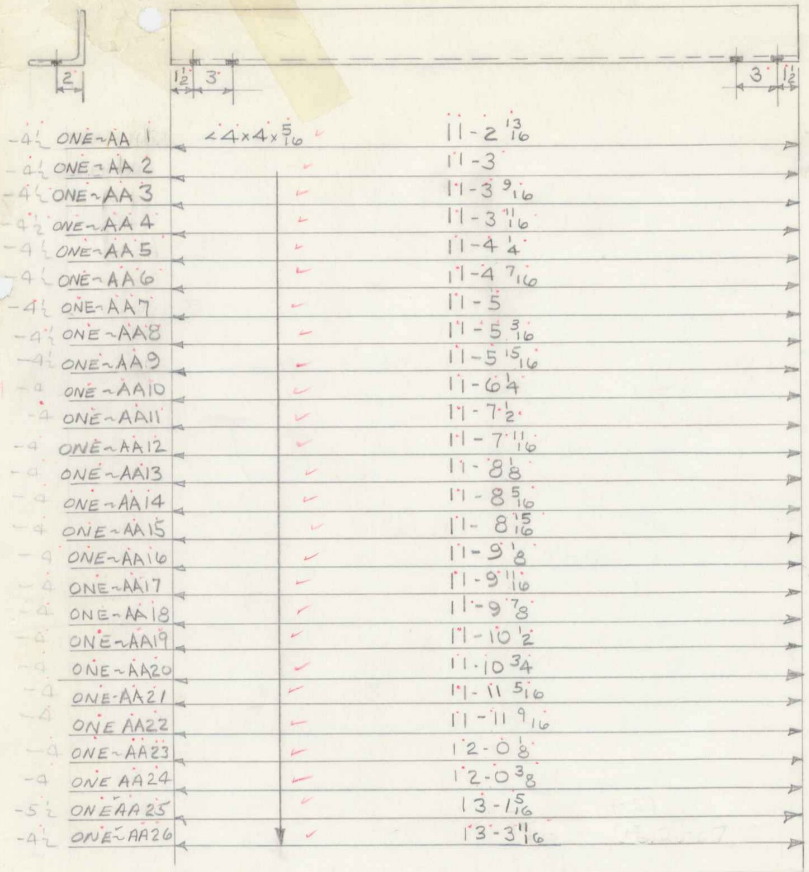
		DATE
DRAWN BY	JV	5 Dec 66
C'K'D BY	HP	12-15-66

HOLES: AS SHOWN
BOLTS:
PAINT: NONE

PROJECT: VT. RTE. #100 S-1067(3)
LOCATION: MORETOWN, VT.
CUSTOMER: W. W. WYMAN CO.
ARCHITECT: STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265 SHEET NO. FB1

PRINT RECORD

NO.	FOR	DATE
3	APP	12-15
1	WF	12-20
1 ⓓ	SHOP	12-27
2	STATE	2-28
1	W.W.W.	5-18



PAINT NOTE

NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION

BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		LATERAL BRACING				
1	AA1	∠4x4x5/16	11	2 13/16	ORD B88864 @50¢60-0	
1	AA2		11	3		
1	AA3		11	3 9/16		
1	AA4		11	3 11/16		
1	AA5		11	4 1/4		
1	AA6		11	4 7/16		
1	AA7		11	5		
1	AA8		11	5 3/16		
1	AA9		11	5 15/16		
1	AA10		11	6 1/4		
1	AA11		11	7 1/2		
1	AA12		11	7 11/16		
1	AA13		11	8 1/8		
1	AA14		11	8 5/16		
1	AA15		11	8 15/16		
1	AA16		11	9 1/8		
1	AA17		11	9 11/16		
1	AA18		11	9 7/8		
1	AA19		11	10 1/2		
1	AA20		11	10 3/4		
1	AA21		11	11 5/16		
1	AA22		11	11 9/16		
1	AA23		12	0 1/8		
1	AA24		12	0 3/8		
1	AA25		13	1 5/16		
1	AA26		13	3 11/16		2507 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167(3)

		DATE
DRAWN BY	RLM	1-16-67
C'K'D BY		

HOLES 15/16 Ø

BOLTS

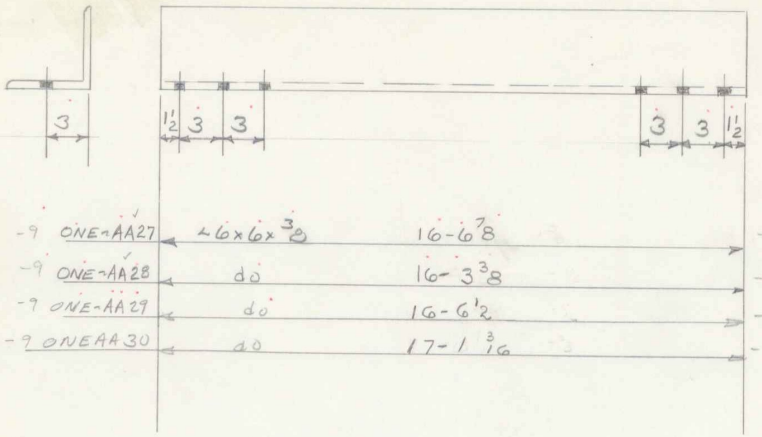
PAINT RL (Vt Spec)

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER WW WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO 66-1265 SHEET NO 65

PRINT RECORD

NO.	FOR	DATE
3	APP	1-18
1	SHOP	1-19
4①	SHOP	2-20
2	STATE	2-28
1	W.W.W	5-15

10M 7-65 QCP



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GBREAU

BILL OF MATERIAL

(22)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		LATERAL BRACING				
1	AA27	∠6×6×⅜	16	6⅞	RES @ 20-0	
1	AA28	do	16	3⅜	do.	
1	AA29	do	16	6½		
1	AA30	do	17	1 3/16		992

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

PROJ # S-0167(3)

		DATE
DRAWN BY	RLM	1-16-67
C'K'D BY		

HOLES 15 16 Q
BOLTS
PAINT RL (VT SPEC)

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 66

PRINT RECORD

NO.	FOR	DATE
3	ARP	1-18
1	SHOP	1-18
40	SHOP	2-20
2	STATE	2-28
1	WWW	5-18

10M 7-65 QCP



-4½	ONE~AA31	∠4x4x5/16	11-2 9/16	-4½
-4½	ONE~AA32		11-2 11/16	-4½
-4½	ONE~AA33		11-3 7/16	-4½
-4½	ONE~AA34		11-3 5/8	-4½
-4½	ONE~AA5		11-4 1/4	-4½
-4½	ONE~AA6		11-4 7/16	-4½
-4½	ONE~AA8A		11-5 11/16	-4
-4½	ONE~AA35		11-5 3/8	-4½
-4	ONE~AA36		11-6 13/16	-4½
-4	ONE~AA37		11-7 1/16	-4
-4	ONE~AA38		11-7 13/16	-4
-4	ONE~AA39		11-7 15/16	-4
-4	ONE~AA40		11-8 1/16	-4
-4	ONE~AA41		11-8 1/4	-4
-4	ONE~AA42		11-8 11/16	-4
-4	ONE~AA43		11-8 7/8	-4
-4	ONE~AA44		11-9 5/8	-4
-4	ONE~AA18		11-9 7/8	-4
-4	ONE~AA45		11-10 5/8	-4
-4	ONE~AA46		11-10 13/16	-4
-4	ONE~AA47		11-11 5/8	-4
-4	ONE~AA48		11-11 13/16	-4
-4	ONE~AA49		12-0 5/8	-4
-4	ONE~AA50		12-0 7/8	-4
-5½	ONE~AA51		12-9	-5½
4	ONE~AA52		12-10 15/16	-4

SHOP INSPECTION

BY GREEN

ASTM A36

BILL OF MATERIAL

(2)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
	~	LATERAL BRACING	~			
1	AA31	∠4x4x5/16	11	2 9/16		
1	AA32		11	2 11/16		
1	AA33		11	3 7/16		
1	AA34		11	3 5/8		
1	AA5		11	4 1/4		
1	AA6		11	4 7/16		
1	AA8A		11	5 11/16		
1	AA35		11	5 3/8		
1	AA36		11	6 13/16		
1	AA37		11	7 1/16		
1	AA38		11	7 13/16	@50 & 60-0	
1	AA39		11	7 15/16	B888 64	
1	AA40		11	8 1/16	ORD	
1	AA41		11	8 1/4		
1	AA42		11	8 11/16		
1	AA43		11	8 7/8		
1	AA44		11	9 5/8		
1	AA18		11	9 7/8		
1	AA45		11	10 5/8		
1	AA46		11	10 13/16		
1	AA47		11	11 5/8		
1	AA48		11	11 13/16		
1	AA49		12	0 5/8		
1	AA50		12	0 7/8		
1	AA51		12	9		
1	AA52		12	10 15/16		2505

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

REV. PER. APP. 2-23-67 HP

		DATE
DRAWN BY	RLM	1-19-67
C'K'D BY		

HOLES 15/16 Ø

BOLTS

PAINT RL (VT SPEC)

PROJECT VERMONT RTE # 100

LOCATION MORETOWN VERMONT

CUSTOMER W.W. WYMAN

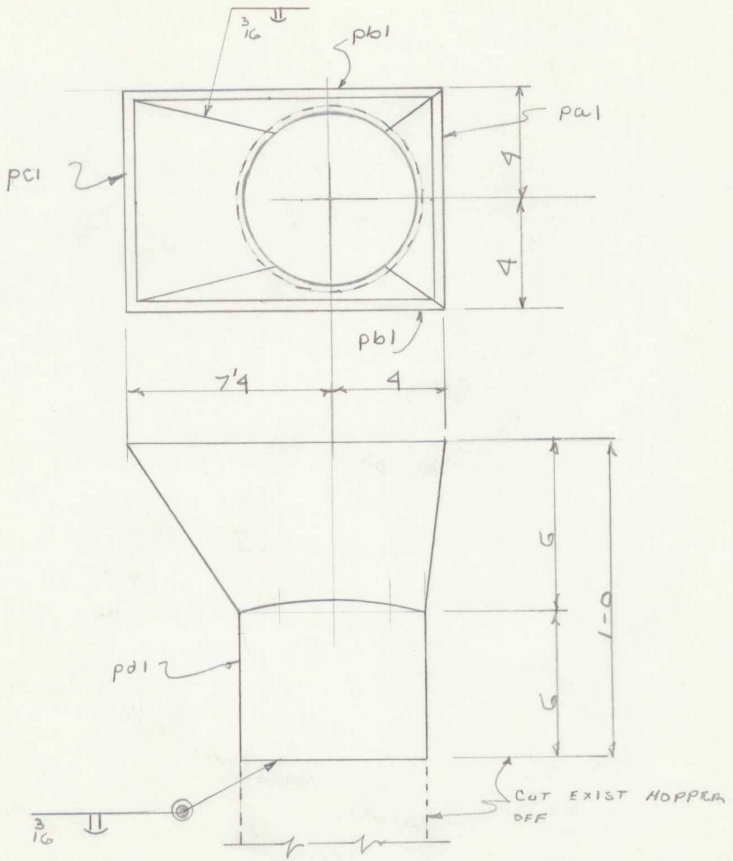
ARCHITECT STATE OF VT DEPT OF HIGHWAY

JOB NO. 66-1265 SHEET NO. 73

PRINT RECORD

NO.	FOR	DATE
3	APP	2-6
1	SHOP	2-7
6 (1)	SHOP	3-1
1	W.W.W	5-15

10M 7-65 QCP



ONE - HOPPER H1

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT
		ONE HOPPER H1			
1	pa1	WI. R 8 x 3/8	0	7±	
2	pb1	WI. R 8 x 3/8	0	11 3/8±	
1	pc1	WI. R 8 x 3/8	0	7'4±	
1	pd1	6" STD. WI PIPE	0	6±	

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VERMONT

		DATE
DRAWN BY	HP	9-5-67
C'K'D BY		

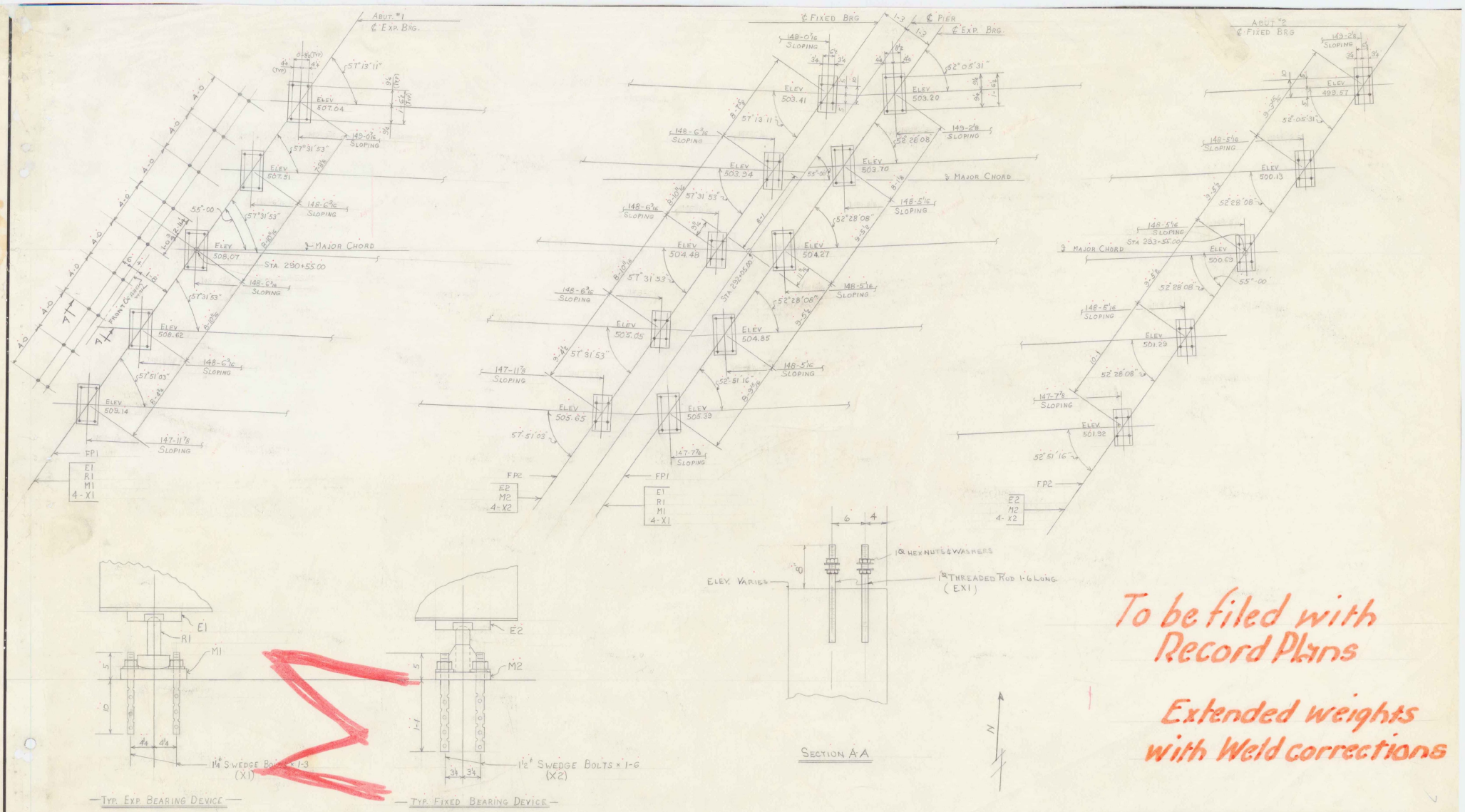
HOLES
BOLTS
PAINT A. L. (VT. SPEC.)

PROJECT VT RTE # 100
LOCATION MORETOWN, VT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO 66-13.65 SHEET NO XM 1

PRINT RECORD

NO.	FOR	DATE
4D	SHOP	9-5

SM 8-63 OCP



To be filed with Record Plans

Extended weights with Weld corrections

SHOP INSPECTION

BY Garcia

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

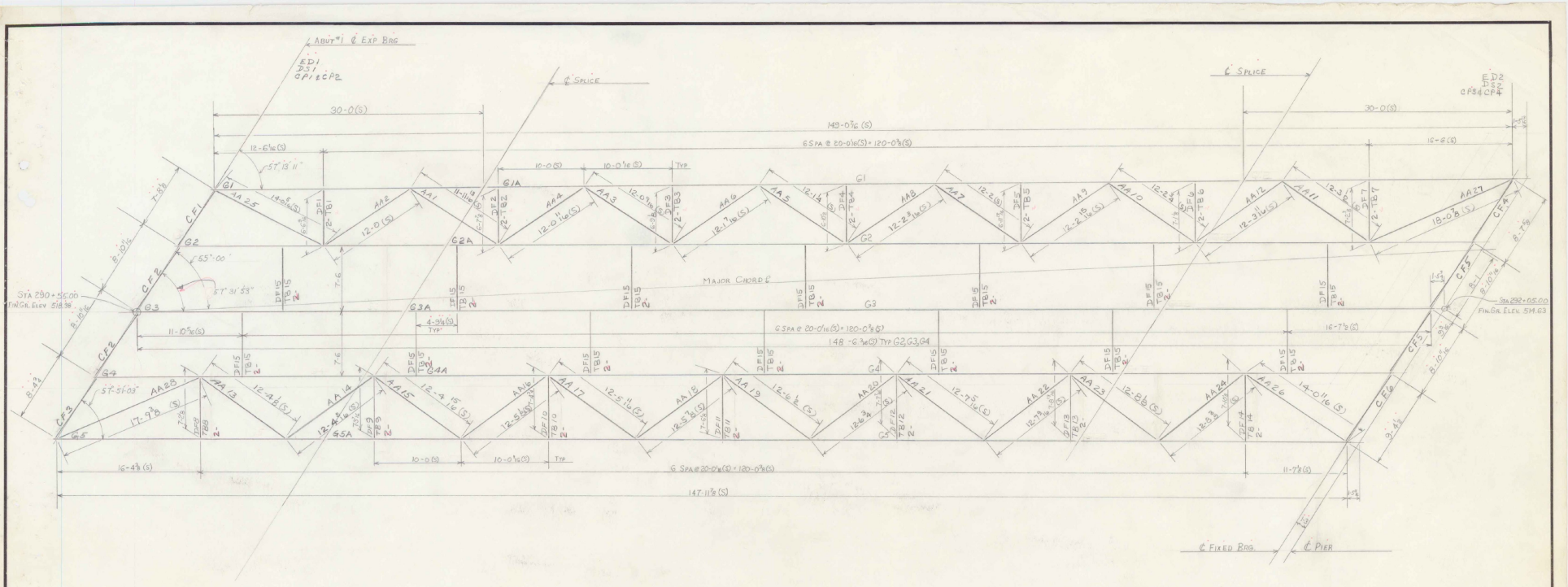
		DATE
DRAWN BY	JW	28 Nov 66
CK'D BY	HP	12-19-66

HOLES
BOLTS
PAINT R.L. (VT. SPEC.)

PROJECT Vt. Rte. #100 S1067(3)
LOCATION Moretown, Vt.
CUSTOMER W. W. Wyman Co.
ARCHITECT State Of Vt. Dept. Of Hwys.
JOB NO. 66-1265 SHEET NO. E1

PRINT RECORD

NO.	FOR	DATE
3	AAA	12-1[illegible]
4	FIELD	12-26
3	AAA	1-16-67
1	SHOP	1-18
3	FIELD	2-2[illegible]
3	W.W.W.	5-18



SHOP INSPECTION

BY Gibbon

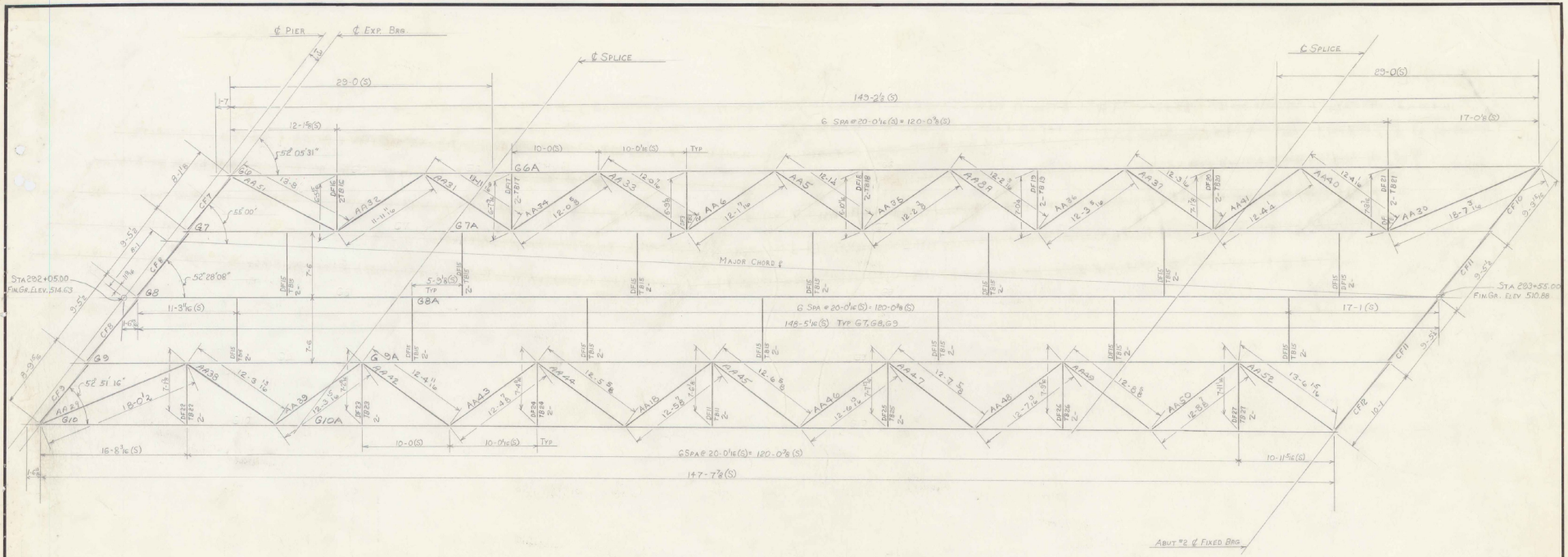
NOTE:
ALL DIMENSIONS WITH SUFFIX "(S)" ARE SLOPING DIMENSIONS

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

		DATE
DRAWN BY	JV	6 DEC 66
CK'D BY	HP	11-5-66
HOLES		
NOTES		
PAINT		

PROJECT VT. RTE. #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265 SHEET NO. E 2

PRINT RECORD		
NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
3	FIELD	3-8
3	W.W.W	5-16



NOTE:
ALL DIMENSIONS WITH SUFFIX "(S)" ARE SLOPING DIMENSIONS

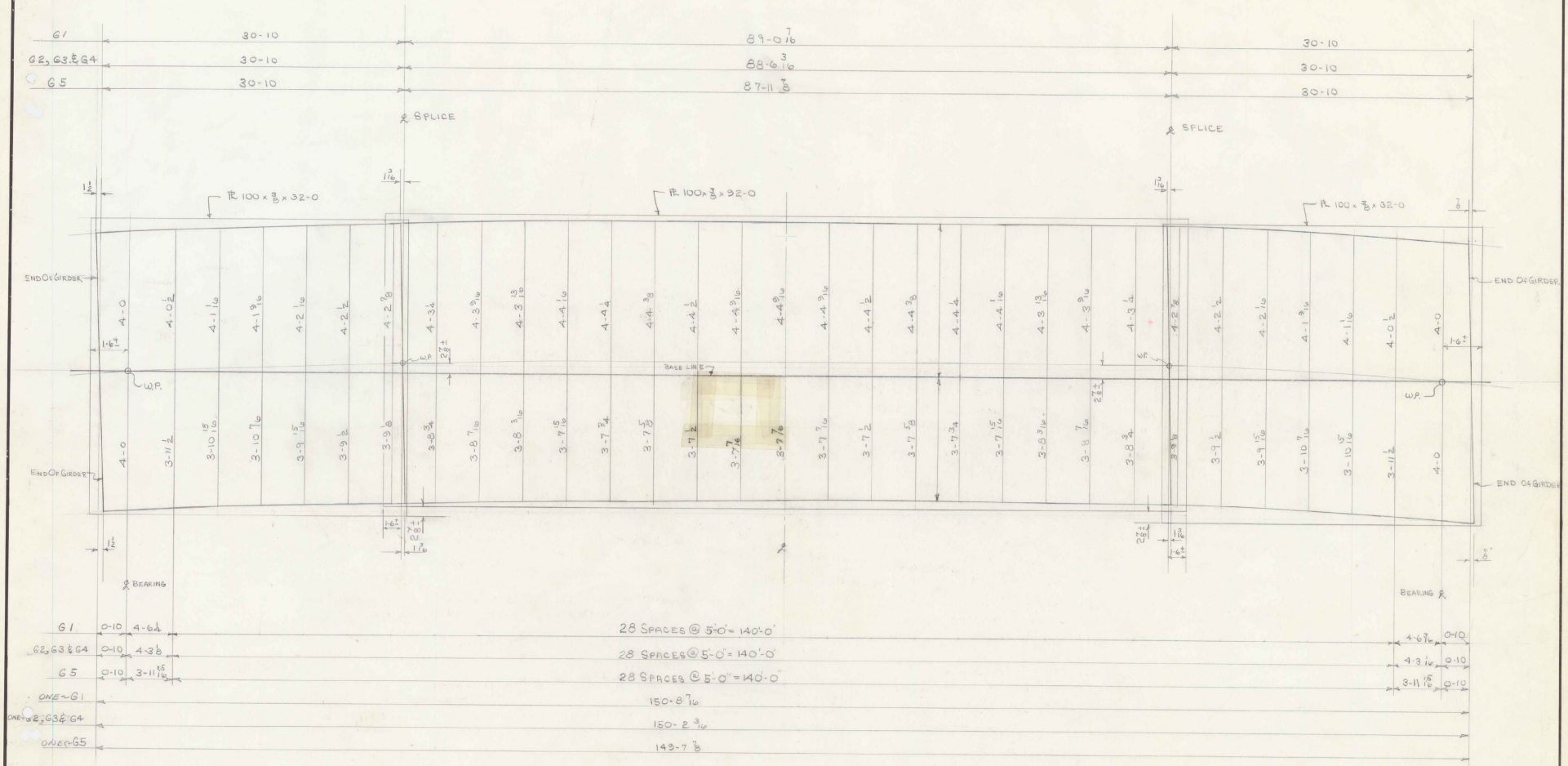
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV. PER. APP. 2-23-67 HF

		DATE
DRAWN BY	JW	8th Nov 66
CK'D BY	HF	1-26-67
HOLES		
BOLTS		
PAINT		

PROJECT VT. RTE. #100 S 1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN CO.
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265 SHEET NO. E3

PRINT RECORD		
NO.	FOR	DATE
2	SHOP	1-18
3	REA	2-2
3	FIELD	2-1
3	W/W	5-18



NOTE CUT FROM THE FOLLOWING MATERIAL

5 PL 100 x 3/8 x 92-0 ~ ORD B88857

10 PL 100 x 3/8 x 32-0 ~ ORD B88863

CAMBER & PLATE CUTTING DIAGRAM

SHOP INSPECTION

BY GAGNON

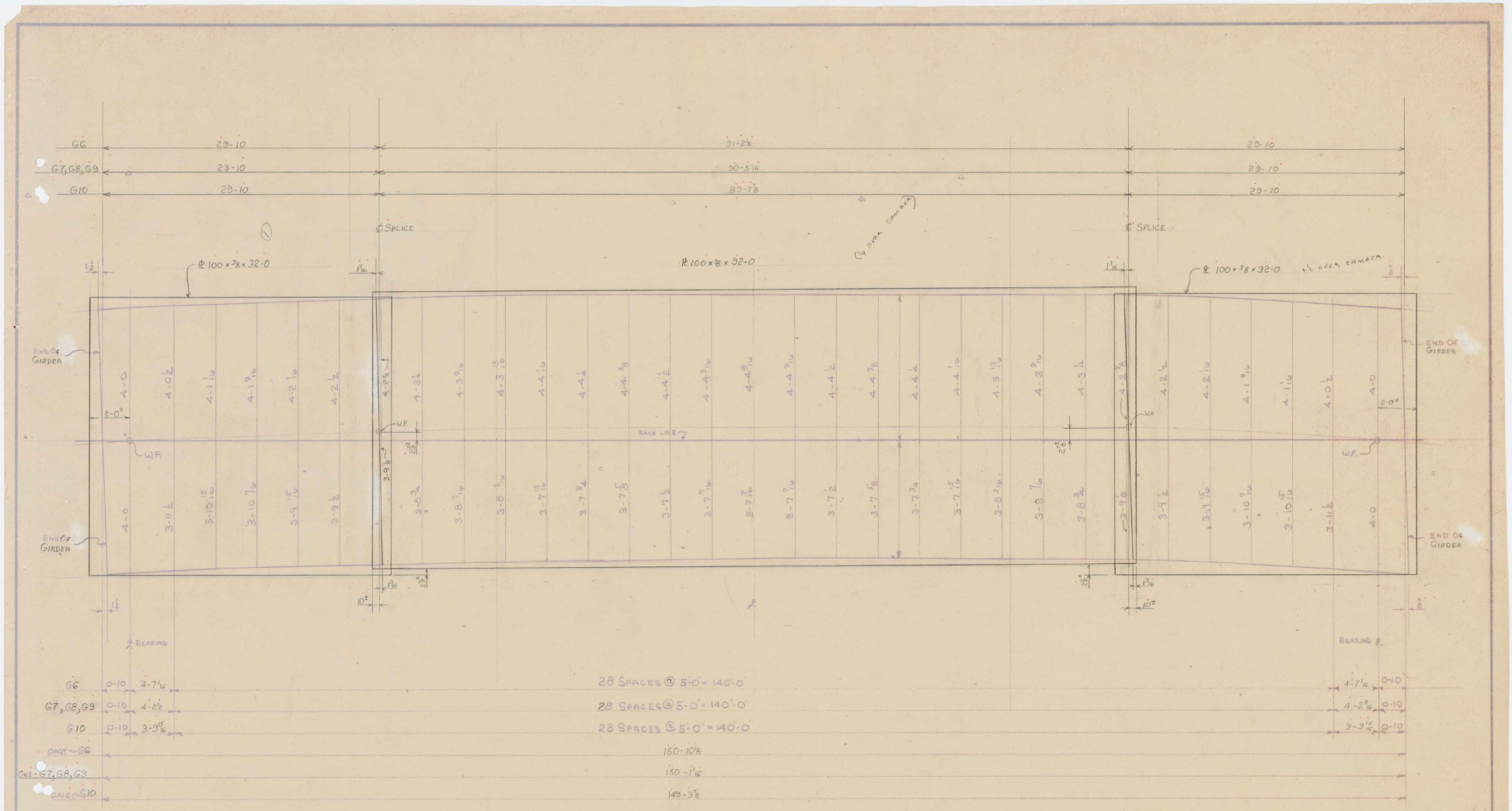
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ. NO. S-0167(3)

		DATE
DRAWN BY	RLM	12-9-66
CKD BY		
HOLES		
BOLTS		
PAINT	RR (VT SPEC)	

PROJECT VERMONT RTE #100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. CD 1

PRINT RECORD

NO.	FOR	DATE
3	APP.	1-16-67
1	SHOP	1-19
0		
1	W.W.W.	5-16



NOTE - CUT FROM FOLLOWING MATERIAL
5-℄'s 100 x ⅜ x 32-0 ORD # B88857
10-℄'s 100 x ⅜ x 32-0 ORD # B88863

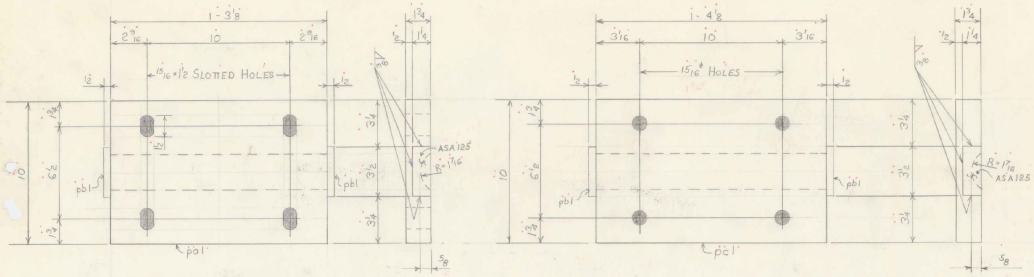
CAMBER & PLATE CUTTING DIAGRAM

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ. No. S-0167(3)

		DATE		
DRAWN BY	JW	12-9-66	PROJECT	VERMONT RTE #100
CK'D BY	HF	1-27-67	LOCATION	MORETOWN, VERMONT
			CUSTOMER	W. W. WYMAN
NOTES			ARCHITECT	STATE OF VT. DEPT. OF HIGHWAYS
PLATE	PL (YT SPEC)		JOB NO.	66-1265 SHEET NO. CD2.

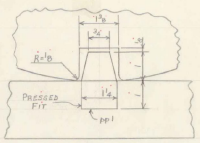
PRINT RECORD

NO.	FOR	DATE
3	HF	2-2
1	SHOP	2-17
1	WWW	5-18

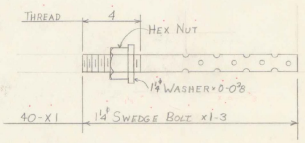


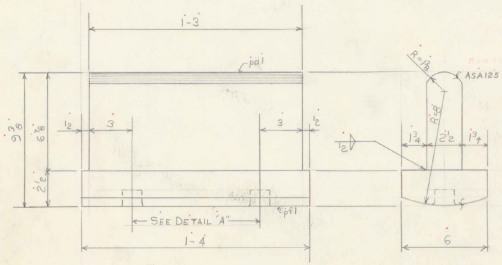
10 - E1

10 - E2

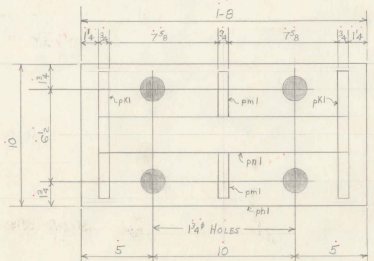


DETAIL 'A'

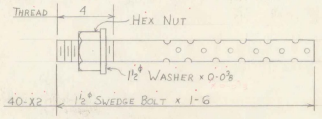


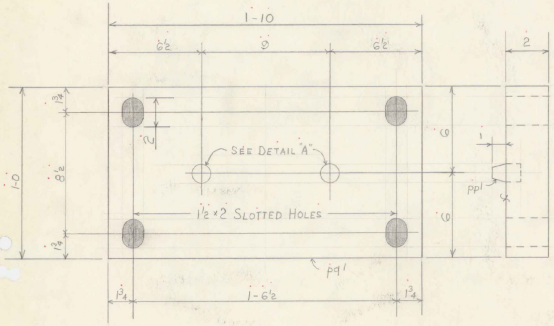


10 - R1

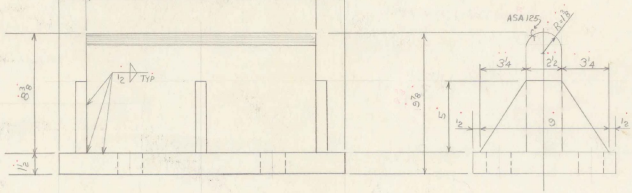


10 - E2





10 - M1



10 - M2

SHOP NOTE

CONTACT SURFACES OF ROCKERS TO BE GIVEN SHOP COAT OF WHITE LEAD & TALLOW. PINTEL HOLES ARE TO BE FILLED WITH GRAPHITE & GREASE AT TIME OF PLACEMENT. REMAINDER TO BE GIVEN 3 COATS OF PAINT IN ACCORDANCE WITH VT. SPEC. 409.03

SHOP INSPECTION

BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		10 - E1			(22)		
10	pa1	PL 10 x 1 3/4	1'	3 1/2	STK	788	✓
20	pb1	BAR 1 1/4 x 1/2	0	8 1/2	REQ'S @ 20-0	12	✓
							800
		10 - E2			(24)		
10	pc1	PL 10 x 1 3/4	1	4 1/2	STK	839	✓
20	pb1	BAR 1 1/4 x 1/2	0	9 1/2	REQ'S @ 20-0	12	✓
							851
		10 - R1			(22)		
10	pd1	BAR C 7/8 x 2 1/2	1'	3		767	✓
10	pf1	BAR C x 2 1/2	1	4	REQ'S C6DA2 1/2 x 10-0	714	✓
							1481
		10 - M1			(22)		
10	pg1	PL 12 x 2	1'	10	STK	1571	✓
20	pp1	BAR 1/4 ϕ	0'	2	REQ'S @ 20-0	14	✓
							1585
		10-M2			(26)		
10	ph1	PL 10 x 1 1/2	1'	8	REQ'S @ 20-0	893	✓
10	pm1	PL 0 3/8 x 2 1/2	1'	4	REQ'S C6DA2 3/8 x 10-0	996	✓
20	pk1	BAR 5/8 x 3/4	0	8	STK	202	✓
20	pm1	BAR 3/4 x 3/8	0	5		72	✓
							2163
40	X1	1 1/4 ϕ SWEDGE BOLTS	1'	3	REQ'S @ 20-0 (46)	209	✓
40		1 1/4 ϕ HEX NUTS				22	✓
40		1 1/4 ϕ WASHERS	0	0 3/8		93	✓
40	X2	1 1/2 ϕ SWEDGE BOLTS	1	6	(46)	360	✓
40		1 1/2 HEX NUTS				38	✓
40		1 1/2 ϕ WASHERS	0	0 3/8		23	✓
							675
							7555

JOB NO. 66-1265 SHEET NO. 1

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT	

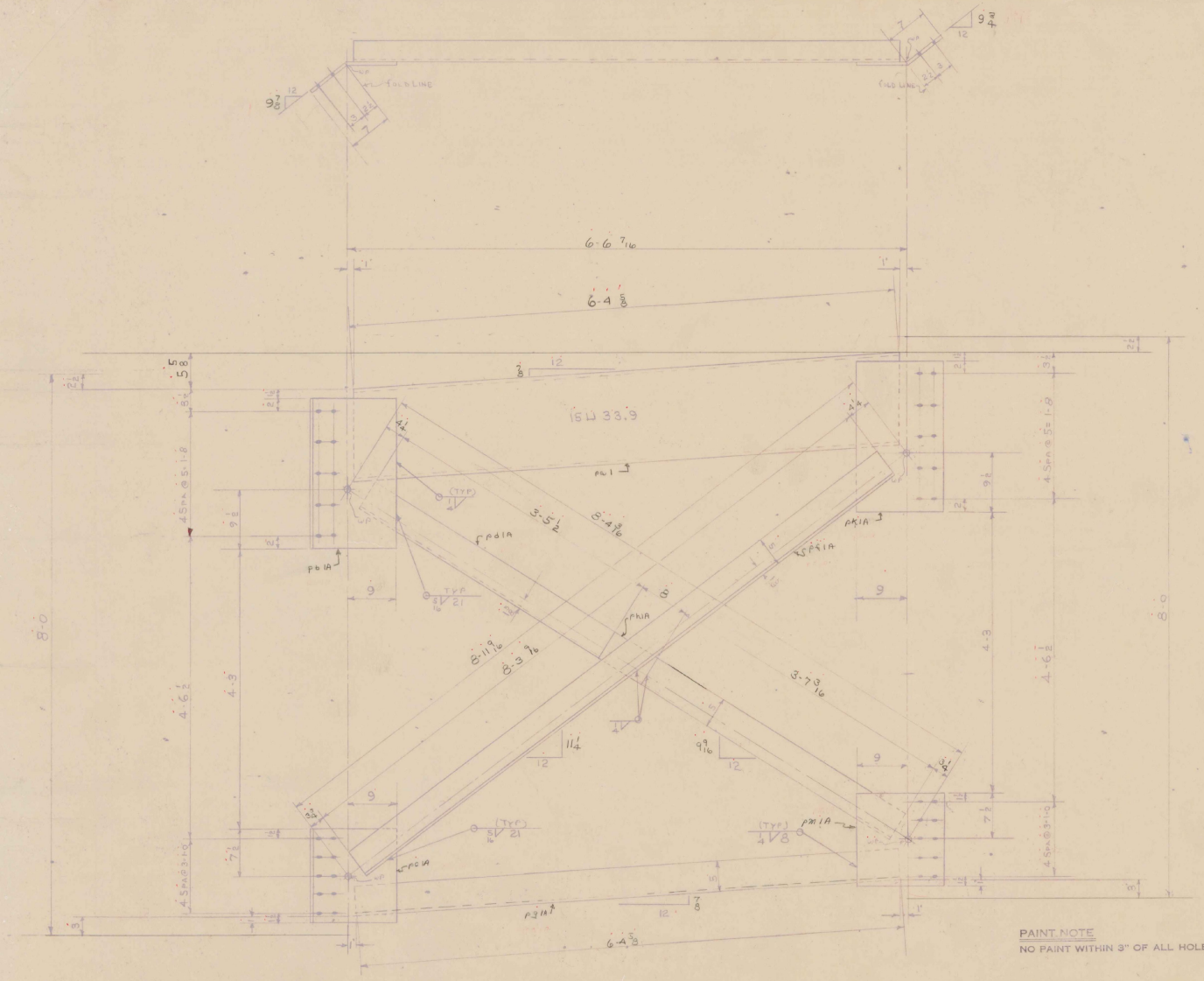
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

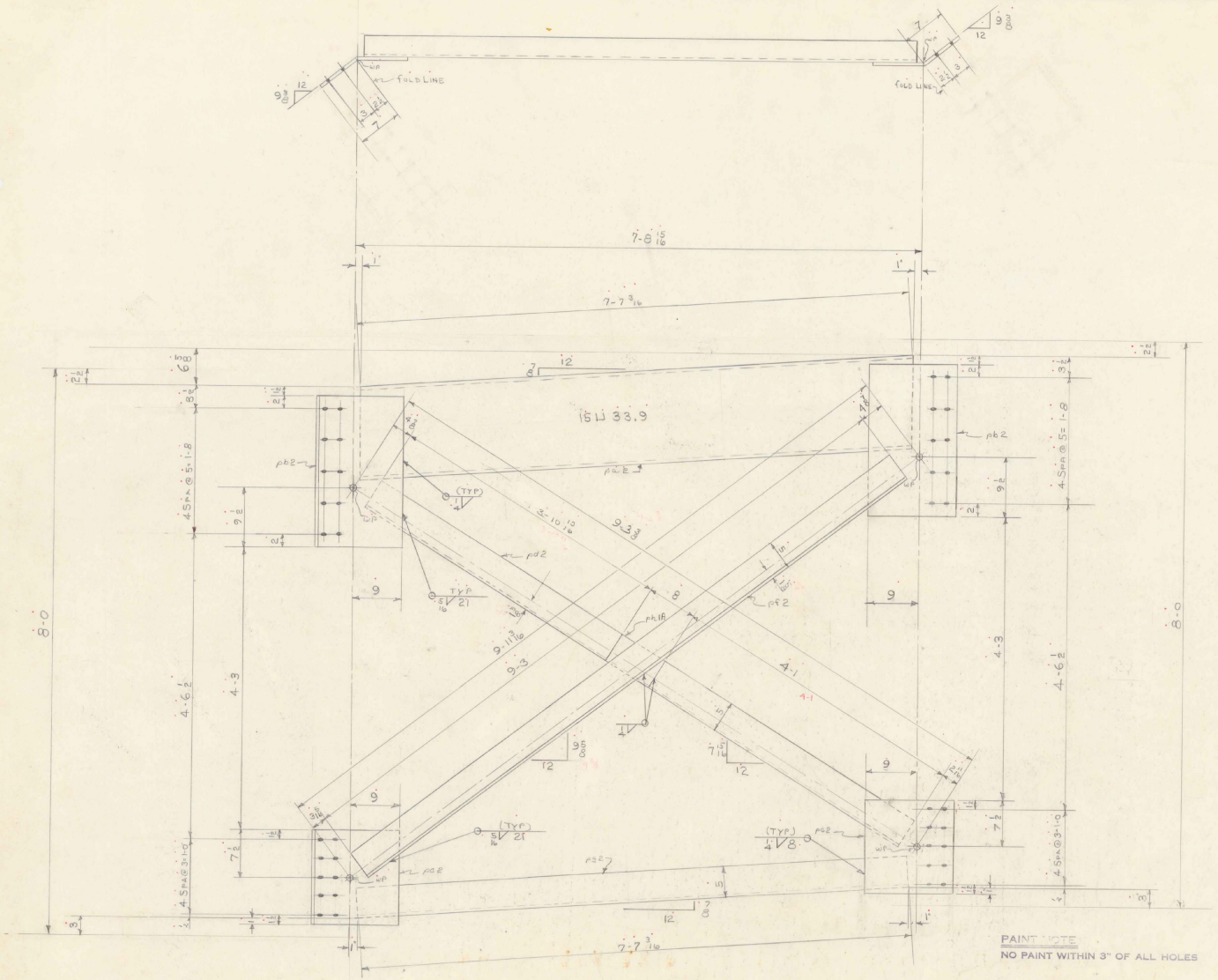
		DATE
DRAWN BY	JV	2 DEC 66
CK'D BY	HP	12-15-66
HOLES		
BOLTS		
PAINT	3 COATS RR VT SPEC. & AS NOTED	

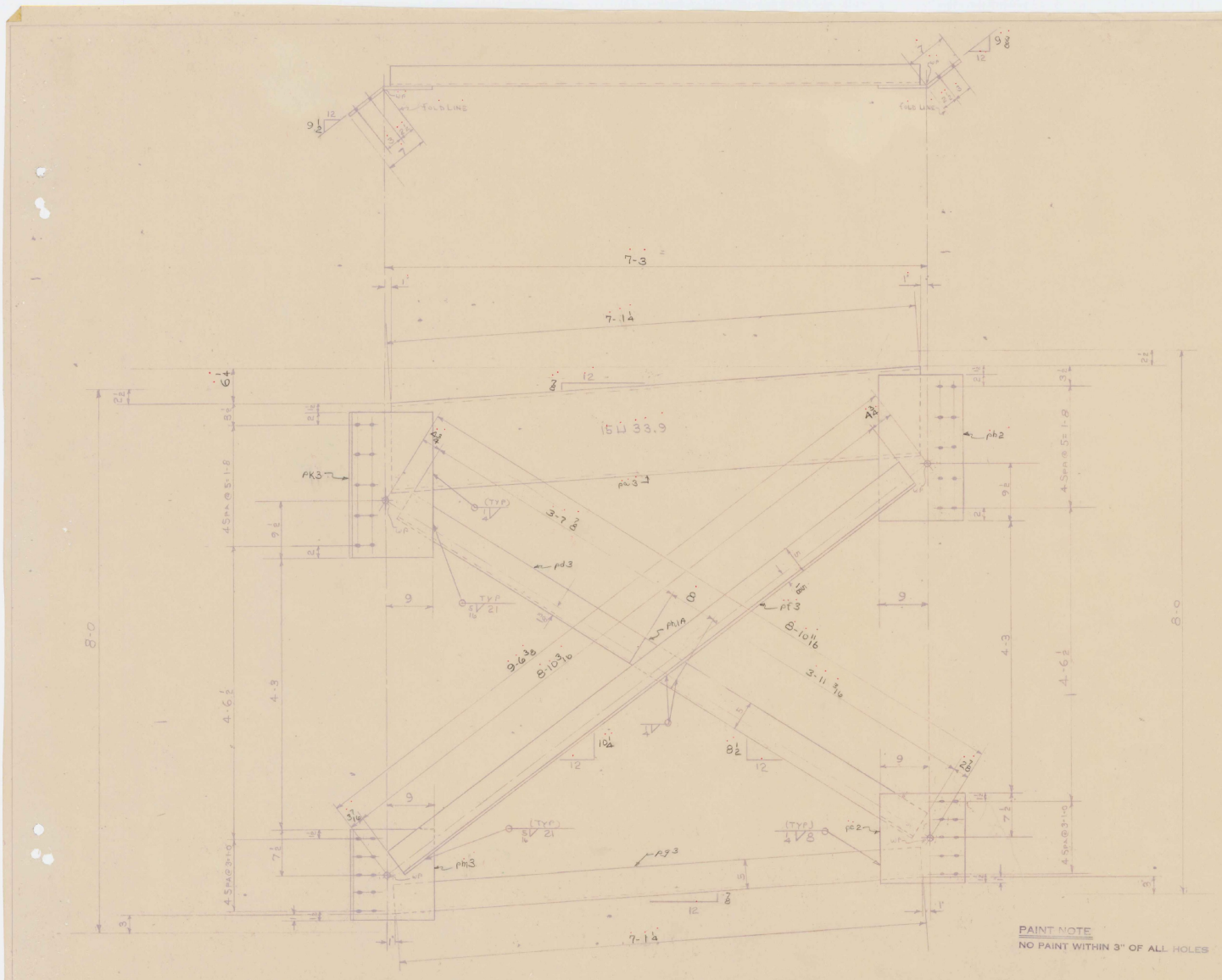
PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W.W. WYMAN CO.
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265 SHEET NO. 1

PRINT RECORD		
NO.	FOR	DATE
3	APP	12-15
40	SHOP	12-16
1	SHOP	1-18
3	STATE	2-28
1	W.W.W	5-11

SM 1063 QCP


6-6 7/16
6-4 5/8
15 W 33.9
PG1
PG1A
PB1A
PH1A
PK1A
PM1A
PF1A
PF1A
PF


FOLD LINE
FOLD LINE
15 LJ 33.9
pb2
pb2
pb2



ONE ~ CROSS FRAME ~ CF3

PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

(50)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE ~ CF3 CROSS FRAME					
1	pa3	15 ⊔ 33.9	7	2⅜	RES @ 60-0	244	
1	pb2	PL 16 x ⅝	2	0	ORD B888-75 @ 30-0	113	
1	pc2	do	1	3			357
1	pd3	L 5 x 3½ x ⅜	8	3 1/16	RES @ 40-0		
1	pf3	do	8	10 3/16			
1	pg3	do	7	1¼		252	
1	pH1A	PL 5 x ⅝	0	8	STK	7	
1	pK3	PL 16 x ⅝	2	0	ORD B888-75 @ 30-0	113	
1	pm3	do	1	3			372
		¼ S WELD	11	0		2 3	
		5/16 S WELD	7	0		2 3	4 6
							735
							733

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

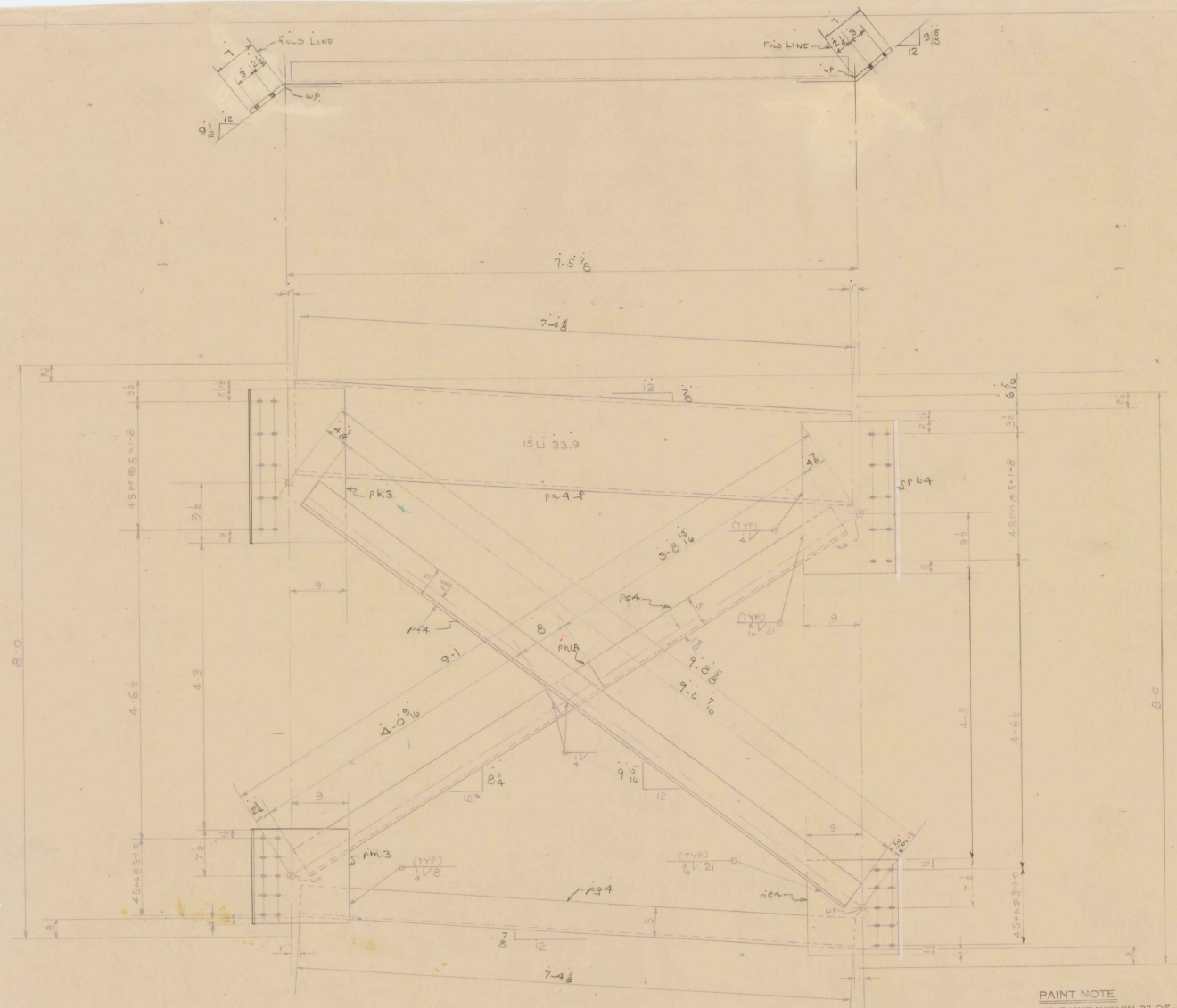
PROJ # S-0167(3)

		DATE
DRAWN BY	RLM	12-20-66
CK'D BY	HP	1-16-67

HOLES 9/16 HOLES
BOLTS
PAINT RL (VT SPEC)

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HWYS
JOB NO. 66-1265 SHEET NO. 3

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4	SHOP	2-17
2	STATL	2-28
1	W.W.W	5-18



ONE ~ CROSS FRAME ~ CF4

PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL (50)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE ~ CF4 CROSS FRAME					
1	pa4	15 ⊔ 33.9	7	5 1/4	Res @ 60-0	252	
1	pb4	PL 16 x 5/8	2	0	ORD B88875		
1	pc4	do	1	3	@ 30-0	113	
1	pk1A	PL 5 x 3/8	0	8	STK	7	
1	pd4	∠ 5 x 3 1/2 x 3/8	8	5 3/8	Res @ 40-0		
1	pf4	do	9	0 7/16			
1	pg4	do	7	4 1/8		258	
1	pk3	PL 16 x 5/8	2	0	ORD B88875		
1	pm3	do	1	3	@ 30-0	113	
							743
		1/4 S WELD	11	0		3	2
		5/16 S WELD	7	0		3	2
							6
							749
							747

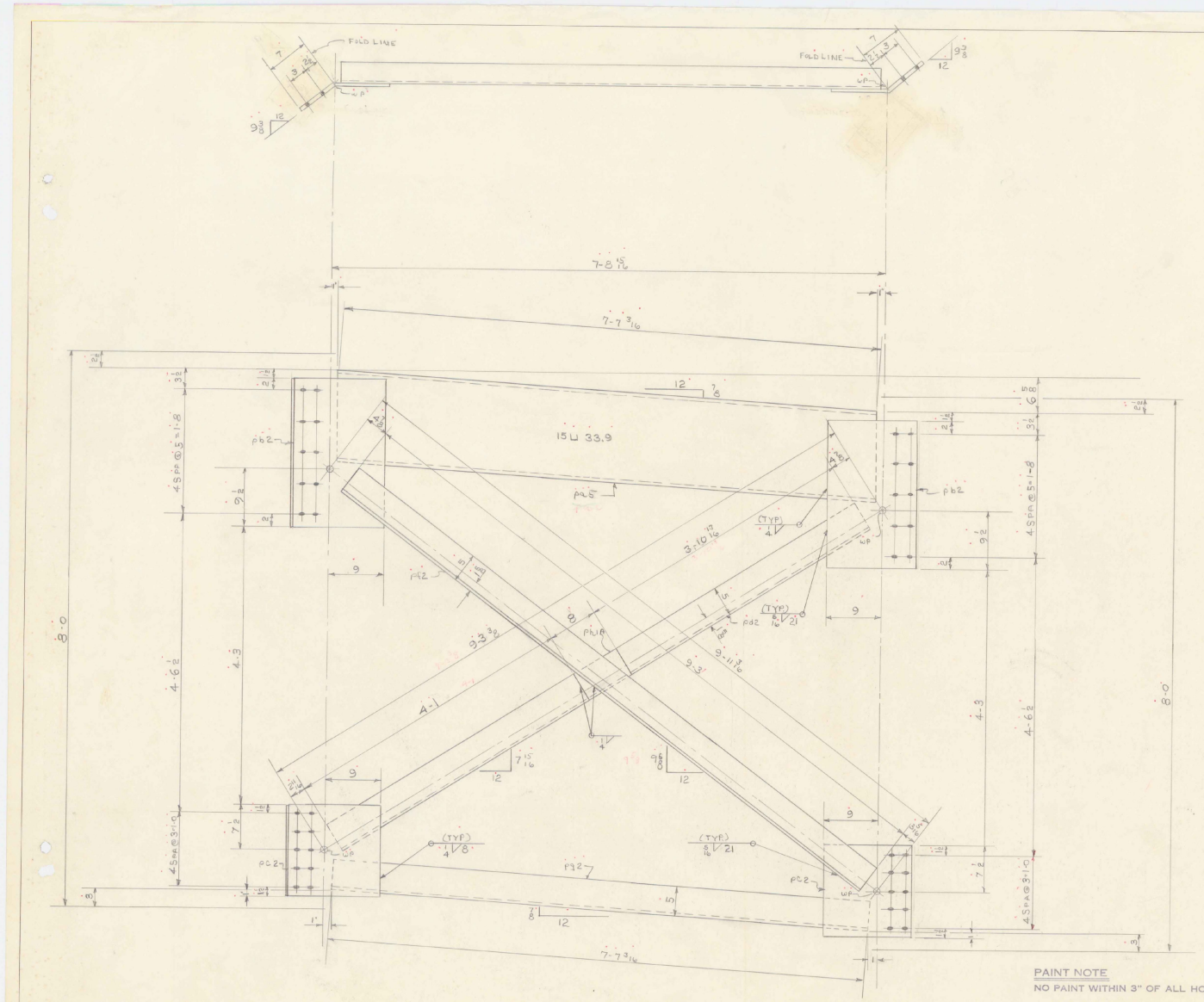
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ # S-0167 (3)

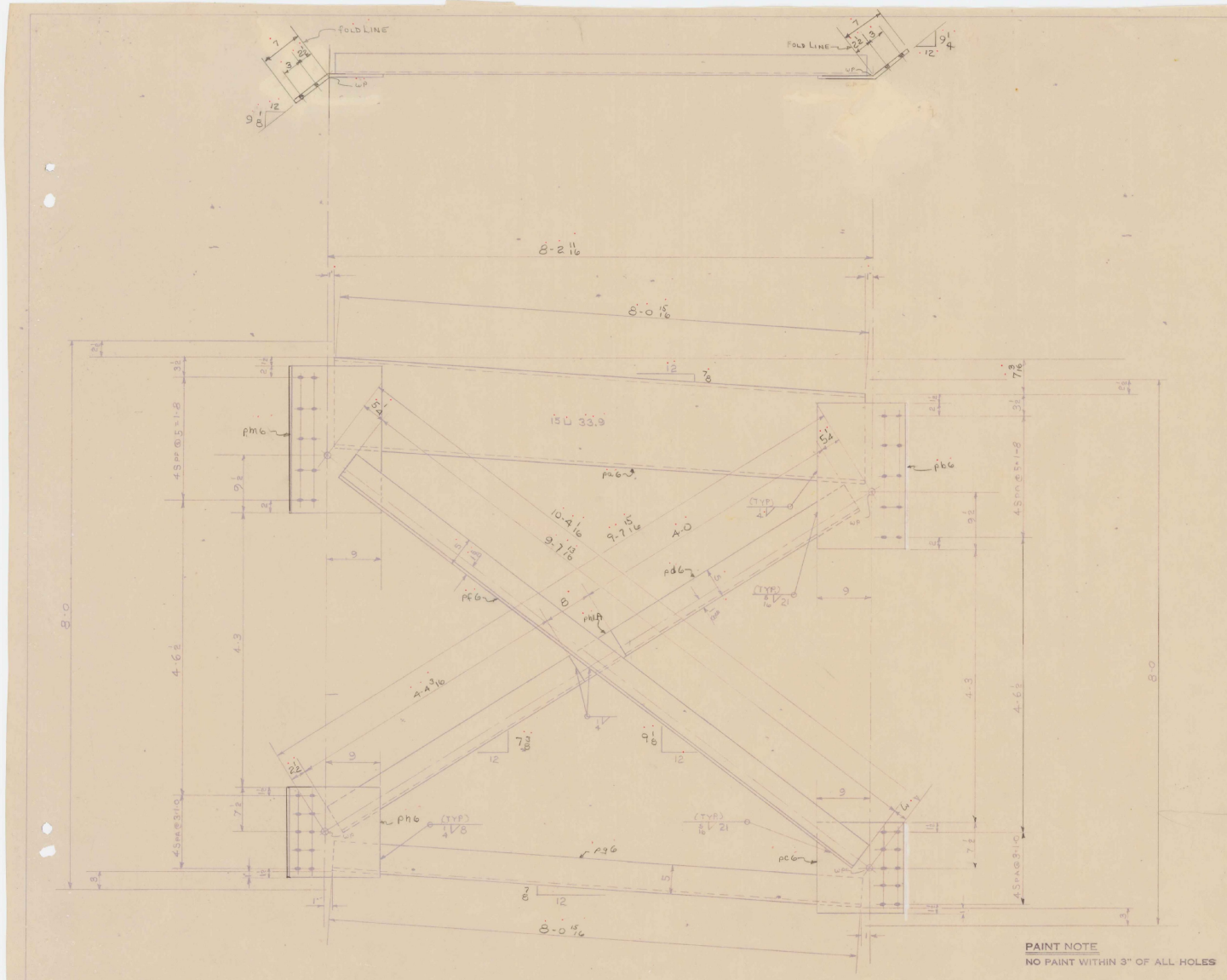
		DATE
DRAWN BY	RLM	12-20-66
CK'D BY	HP	1-26-67
HOLES	15/16 Q	
BOLTS		
PAINT	R.L. (VT SPEC)	

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 4

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18


FOLD LINE
FOLD LINE
7-8 15/16
7-7 3/16
12
7/8
15 L 33.9
PL2
PL5
PL2
PL2
PL2
PL2
PL2
PL2
PL1A
PL6
45 SPA @ 5'-1 1/8 = 19'-8
45 SPA @ 5'-1 1/8
45 SPA @ 3'-1 0
3'-10 15/16
9'-3 3/8
9'-11 5/16
9'-3
A-1
(TYP)
1/4 V 8
(TYP)
5/16 V 21
(TYP)
1/4 V 8
(TYP)
5/16 V 21
7 15/16
12
9
WP
WP
WP



ONE ~ CROSS FRAME ~ CF6

PAINT NOTE

NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION

BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

(50)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE ~ CF6 CROSS FRAME					
1	pa6	15 ⊔ 33.9	8	2 1/16	RES @ 60-0	277	
1	pb6	PL 16 x 5/8	2	0	} ORD B88875		
1	pc6	do	1	3	} @ 30-0	113	
1	ph1A	PL 5 x 5/8	0	8	STK	7	
1	pd6	∠ 5 x 3½ x 3/8	9	0 3/16	} RES @ 40-0		
1	pf6	do	9	7 13/16			
1	pg6	do	8	0 15/16		278	
1	pm6	PL 16 x 5/8	2	0	} ORD B88875		
1	ph6	do	1	3	} @ 30-0	113	
							788
		1/4 S WELD	11	0		3	2
		5/16 S WELD	7	0		3	2
							6 4
							794
							792

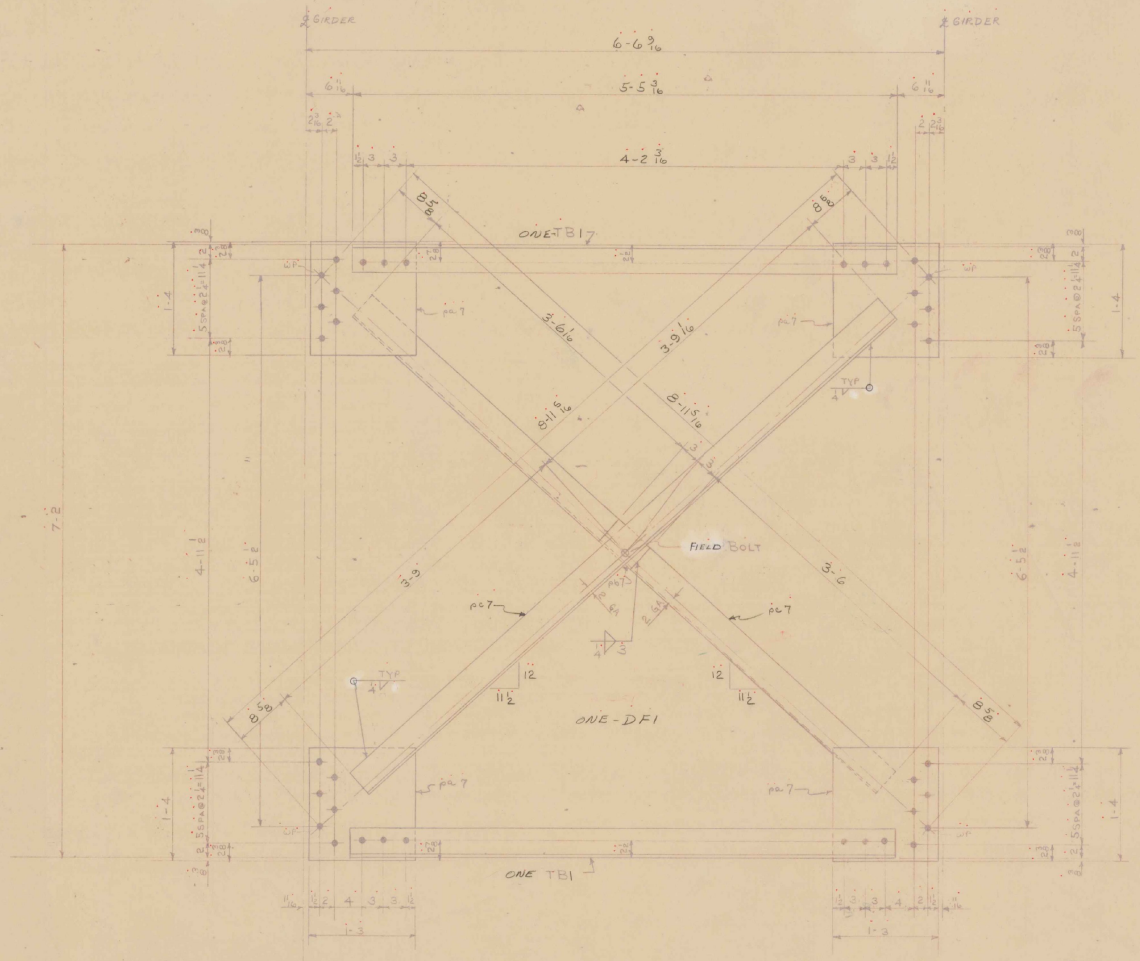
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ# S-0167 (3)

		DATE
DRAWN BY	RLM	12-20-66
CK'D BY	HP	1-16-67

HOLES 15/16 Q
BOLTS
PAINT R.L. (VT Spec)

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 6

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4 (1)	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

(52)

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ DF1				
		DIAGONAL FRAME				
4	pa7	PL 15" x 3/8"	1	4	RES @ 12-6 & 13-0	107 ✓
1	pb7	BAR 4" x 3/8"	0	6	RES @ 12-6 US 88853	3 ✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1 ✓
						1 ✓
2	pc7	∠ 4" x 4" x 5/16	7	6 1/16	ORD @ 50-0 & 60-0 B88864	123 ✓
		2 ~ TB1				
		TOP & BOTTOM ANGLES				
2	TB1	∠ 4" x 4" x 5/16	5	5 3/16	ORD @ 50-0 & 60-0 B88864	89 ✓
		1/4" WELD	4	2		1 ✓
						325 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV. PER. APP. 2-10-67 HP

PROJ# 1-067(3)

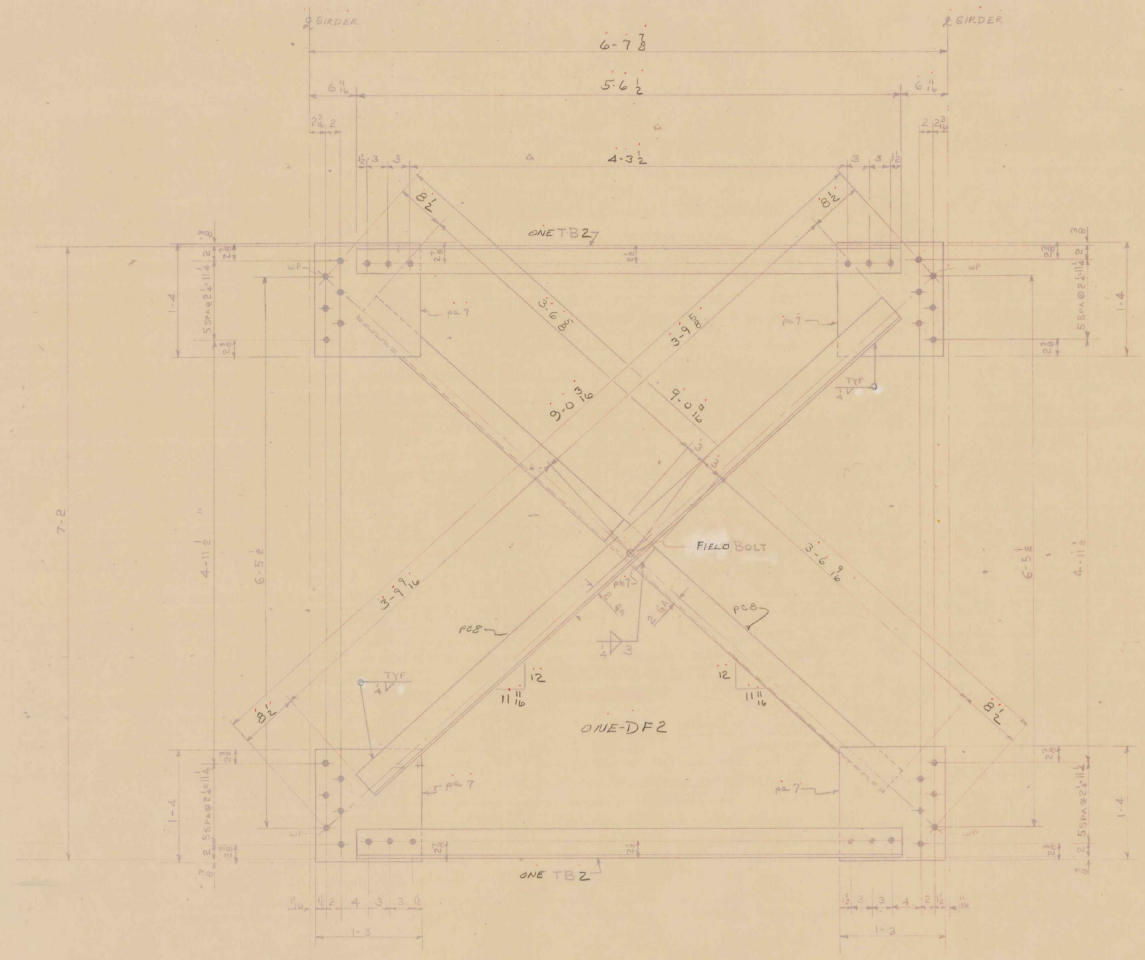
		DATE
DRAWN BY	RLM	12-22-66
CK'D BY	HP	1-16-67

HOLES 15/16
BOLTS
PAINT R.L. (V-SPEC)

PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF V. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 7

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-19
4	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18



PAINT NOTE

NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION

BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ DF 2				
		DIAGONAL FRAME				
4	pa7	PL 15 x 3/8	1	4	RCS @ 12-0 & 13-8	107 ✓
1	pb7	BAR 4 x 3/8	0	6	OLD @ 20-0 & 20-8 U.S. 88853	3 ✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1 ✓
						1 ✓
2	pc8	∠ 4 x 4 x 5/16	7	7 3/16	ORD @ 50-0 & 60-0 B88864	125 ✓
		2 ~ TB 2				
		TOP & BOTTOM ANGLES				
2	TB2	∠ 4 x 4 x 5/16	5	6 1/2	ORD @ 50-0 & 60-0 B88864	91 ✓
		1/4 S WELD	4	2		1 ✓
						329 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

Proj# 1-067(3)

REV PCA APP 2-10-67

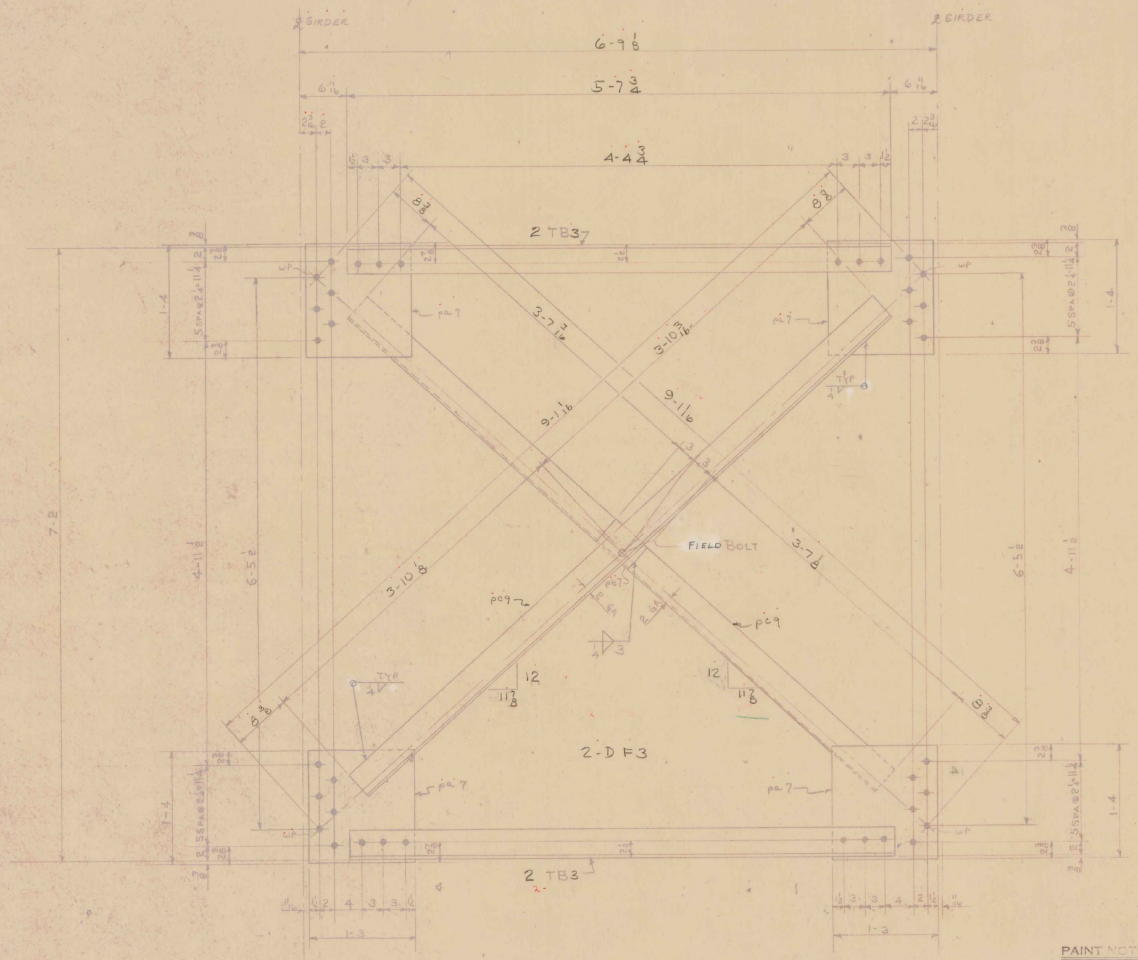
		DATE
DRAWN BY	RLM	12-22-66
CK'D BY	HP	1-16-67

HOLES 15/16
BOLTS
PAINT RL (V-SPEC)

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN

ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 8

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4	SHOP	2-13
2	STAM	2-28
1	W.W.W.	5-18



PAINT NOTE

NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION

BY GAGENT

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM - A36 BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
2		~DF3 DIAGONAL FRAME				
8	PC 7	PL 15 x 3/8	1	4	REQ'D 12 x 12 x 1.5 & 15 SPACERS	214 ✓
2	PC 7	BAR 4 x 5/8	0	6	REQ'D 12 x 12 x 1.5 & 15 SPACERS	5 ✓
2		3/4 HI TEN BOLT W/ WASHERS	0	2 1/4	STK	2 ✓ 1 ✓
4	PC 9	∠ 4 x 4 x 5/16	7	8 15/16	REQ'D 8 SPACERS & 8 SPACERS & 8 BOLTS	254 ✓
4		~TB3 TOP & BOTTOM ANGLES				
4	TB2	∠ 4 x 4 x 5/16	5	7 3/4	REQ'D 8 SPACERS & 8 BOLTS	185 ✓
		1/4 ℄ WELD		8 4		2 ✓ 663 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ. # 1-067(3)

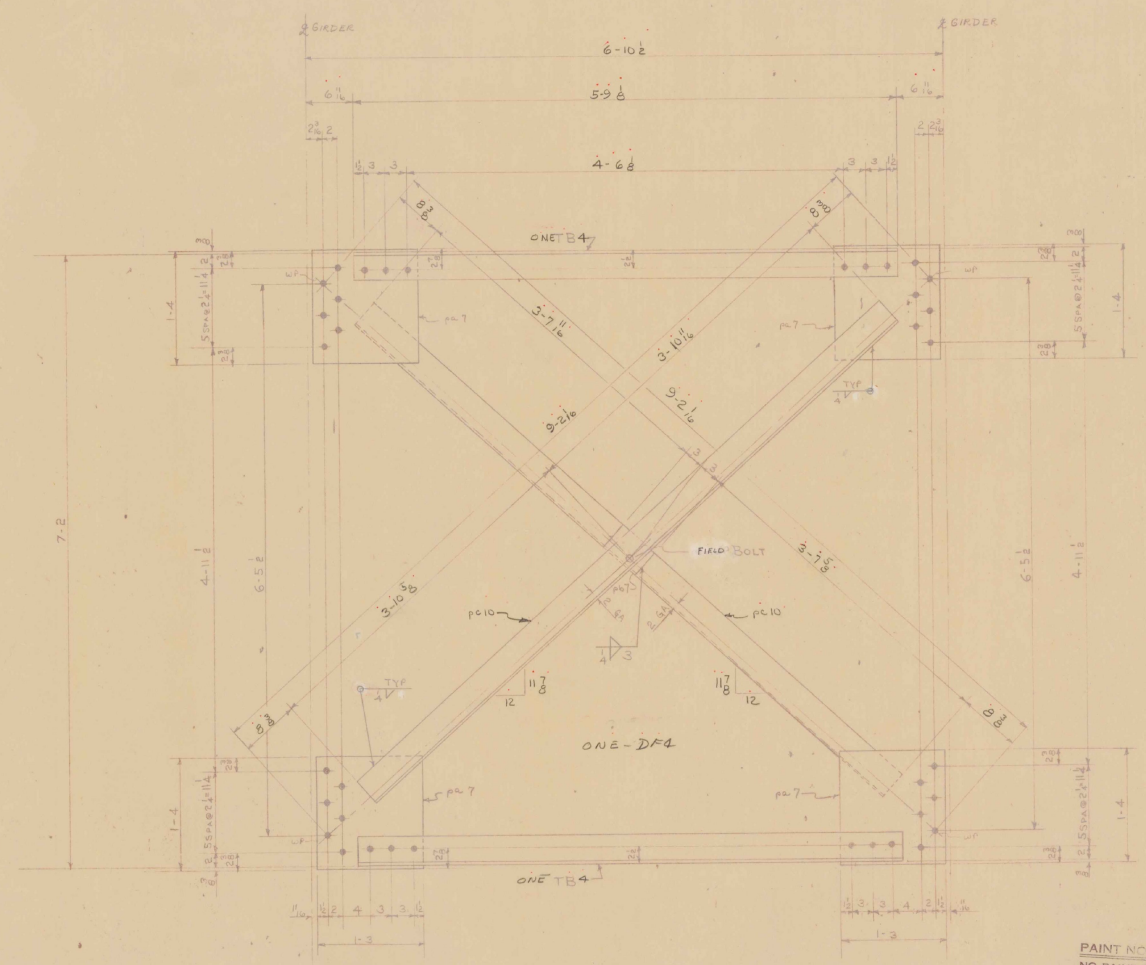
REV. PER APP. 2-10-67

DRAWN BY	RLM	DATE 12-22-66
CK'D BY	HP	1-16-67
HOLES	15/16	
BOLTS		
PAINT	R.L. (VT SPEC.)	

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 3

PRINT RECORD

NO.	FOR	DATE
3	APP.	1-16
1	SHOP	1-18
40	SHOP	2-17
2	STATE	2-28
1	WWW	6/8



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT
		ONE ~ DF4			
		DIAGONAL FRAME			
4	PC7	PL 15 x ⅜	1	4	107 ✓
1	PB7	BAR 4 x ⅜	0	6	3 ✓
1		⅞" HI TEN BOLT W/ WASHERS	0	24	STK 1 ✓
2	PC10	L 4 x 4 x ⅝	7	9 5/16	128 ✓
		2 ~ TB4			
		TOP & BOTTOM ANGLES			
2	TB4	L 4 x 4 x ⅝	5	3⅜	44 ✓
		⅜ S WELD	4	2	1 ✓
					335

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. Proj. 1-067(3)

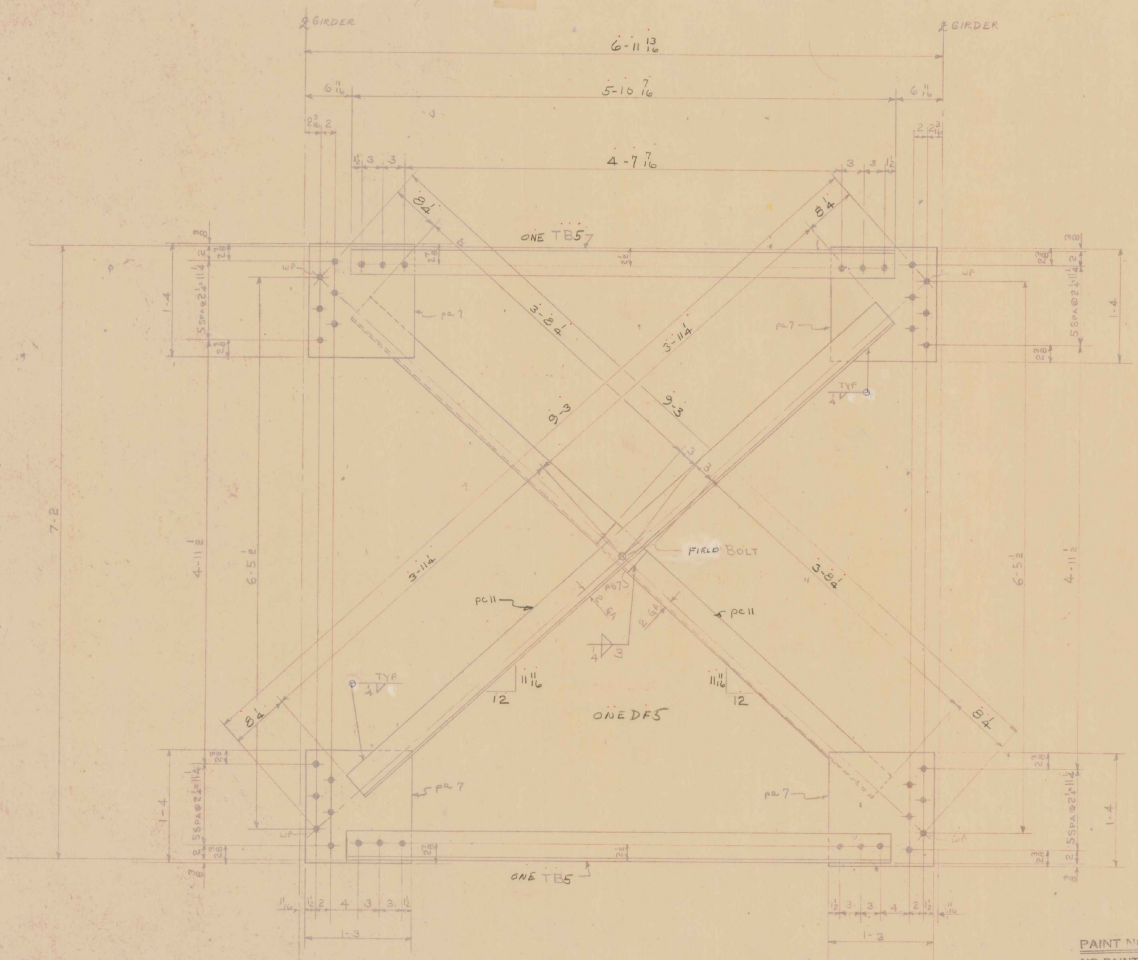
REV. PER REQ. 3-29-67

DRAWN BY	RLM	DATE 10-22-66
CKD BY		DATE 1-16-67
WGTS. LBS.		
BOLTS		
PAINT	R.L. (VTSPEC)	

PROJECT VERMONT TYPE "100"
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 10

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
10	SHOP	2-21
2	STATE	2-28
1	WWW	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GARRAL

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
	ONE	~DF5 DIAGONAL FRAME				
4	PC7	PL 15 x 3/8	1	4	RCS @ 12-0 & 13-8	107 ✓
1	PB7	BAR 4 x 3/8	0	6	PL & BAR US 88853	3 ✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2¼	STK	1 ✓
						1 ✓
2	PC11	∠ 4 x 4 x 5/16	7	10½	ORD @ 50-0 & 60-0 B 88864	129 ✓
		2 ~ TB5 TOP & BOTTOM ANGLES				
2	TB5	∠ 4 x 4 x 5/16	5	10 7/16	ORD @ 50-0 & 60-0 B 88864	96 ✓
		¼ S WELD	4	2		1 ✓
						338 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV. REF. APP. 2-10-67 HP

PROJ# 1-067(3)

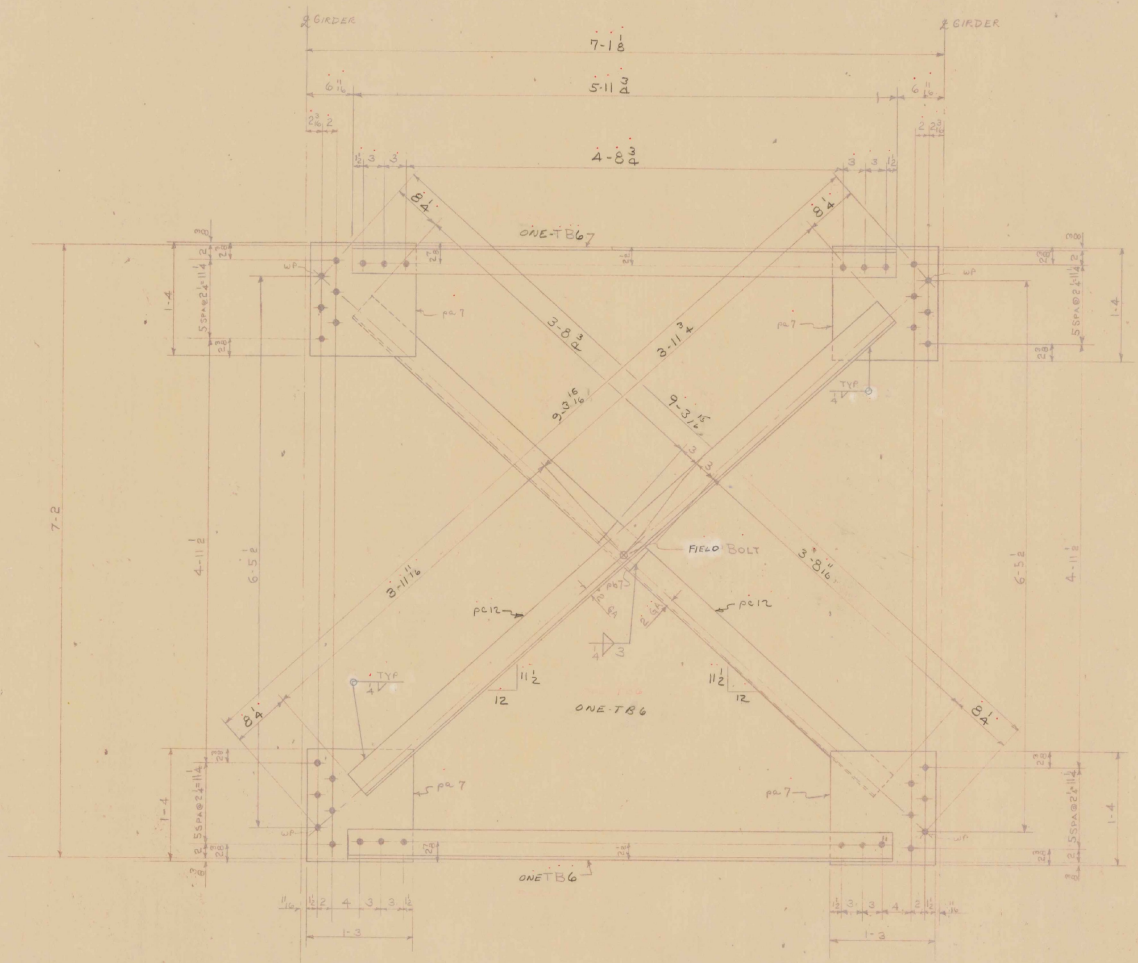
		DATE
DRAWN BY	RLM	12-22-66
CK'D BY	HP	1-16-67

HOLES 15/16
BOLTS
PAINT RL (V+SPEC)

PROJECT VERMONT RTE 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 11

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4 (1)	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A 36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ DF 6				
		DIAGONAL FRAME				
4	pa7	PL 15 x 3/8	1	4	RCS @ 12.0 & 13.8	107
1	pb7	BAR 4 x 3/8	0	6	ORD @ 50.0 US 88853	3
1		7/8 ⌀ HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1
2	pc12	∠ 4 x 4 x 5/16	7	11 7/16	ORD @ 50.0 & 50.0 B88864	131
		2 ~ TB 6				
		TOP & BOTTOM ANGLES				
2	TB6	∠ 4 x 4 x 5/16	5	11 3/4	ORD @ 50.0 & 50.0 B88864	98
		1/4 S WELD	4	2		1
						342

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

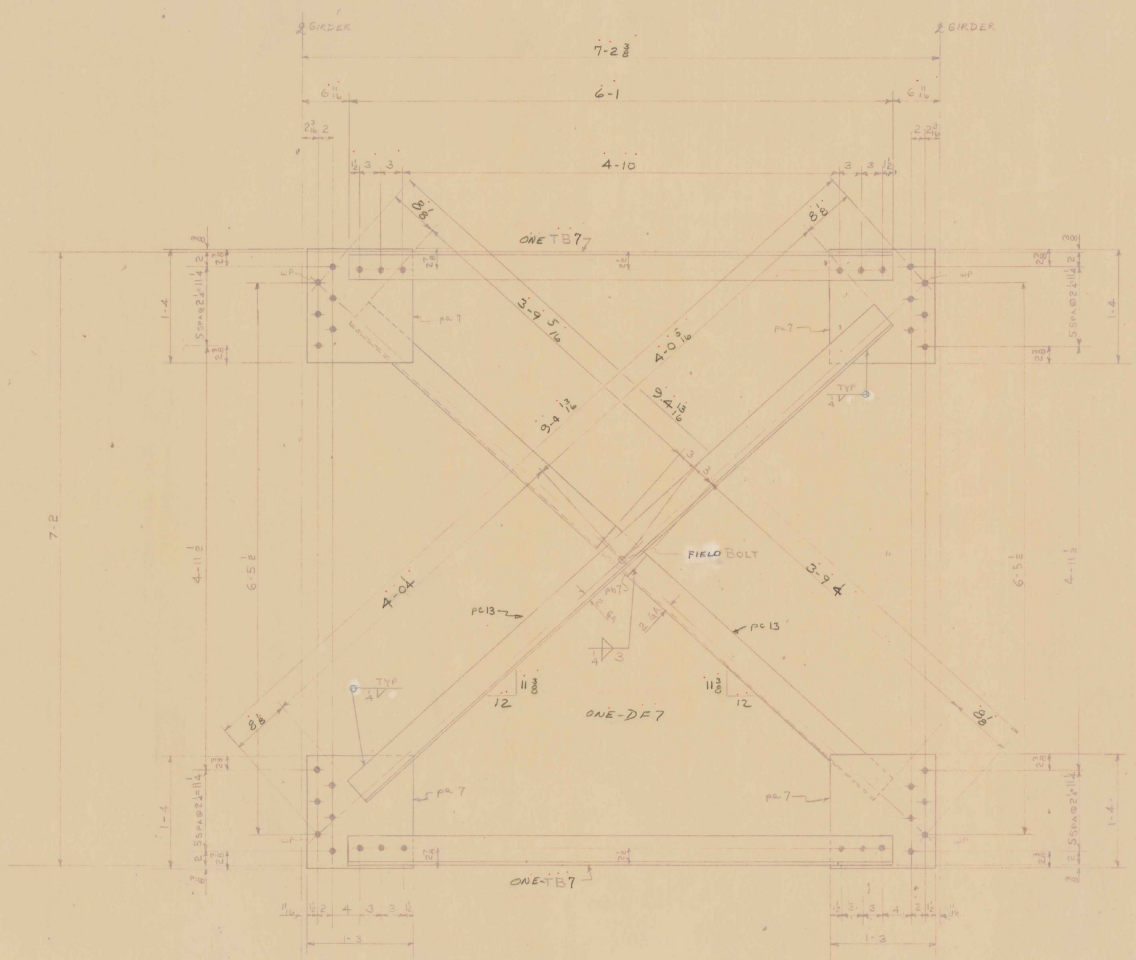
PROJ# 1-067(3)

REV. PER APP. 3-10-67 HP

		DATE
DRAWN BY	RLM	12-22-66
CK'D BY	HP	1-16-67
HOLES	15/16	
BOLTS		
PAINT	R.L. (V. Spec)	

PROJECT VERMONT RTE 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 12

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
40	SHOP	2-17
2	STMK	2-28
1	W.W.W.	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ DF7 DIAGONAL FRAME				
4	pa7	PL 15 x 3/8	1	4	RCS @ 12-0 & 13-8	107 ✓
1	pb7	BAR 4 x 3/8	0	6	ORD @ 50-0 US 88853	3 ✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1 ✓
						1 ✓
2	pc13	∠ 4 x 4 x 5/16	8	0 9/16	ORD @ 50-0 & 60-0 B88864	132 ✓
		2 ~ TB 7 TOP & BOTTOM ANGLES				
2	TB7	∠ 4 x 4 x 5/16	6	1	ORD @ 50-0 & 60-0 B 88864	100 ✓
		1/4 S WELD	4	2		1 ✓
						345 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

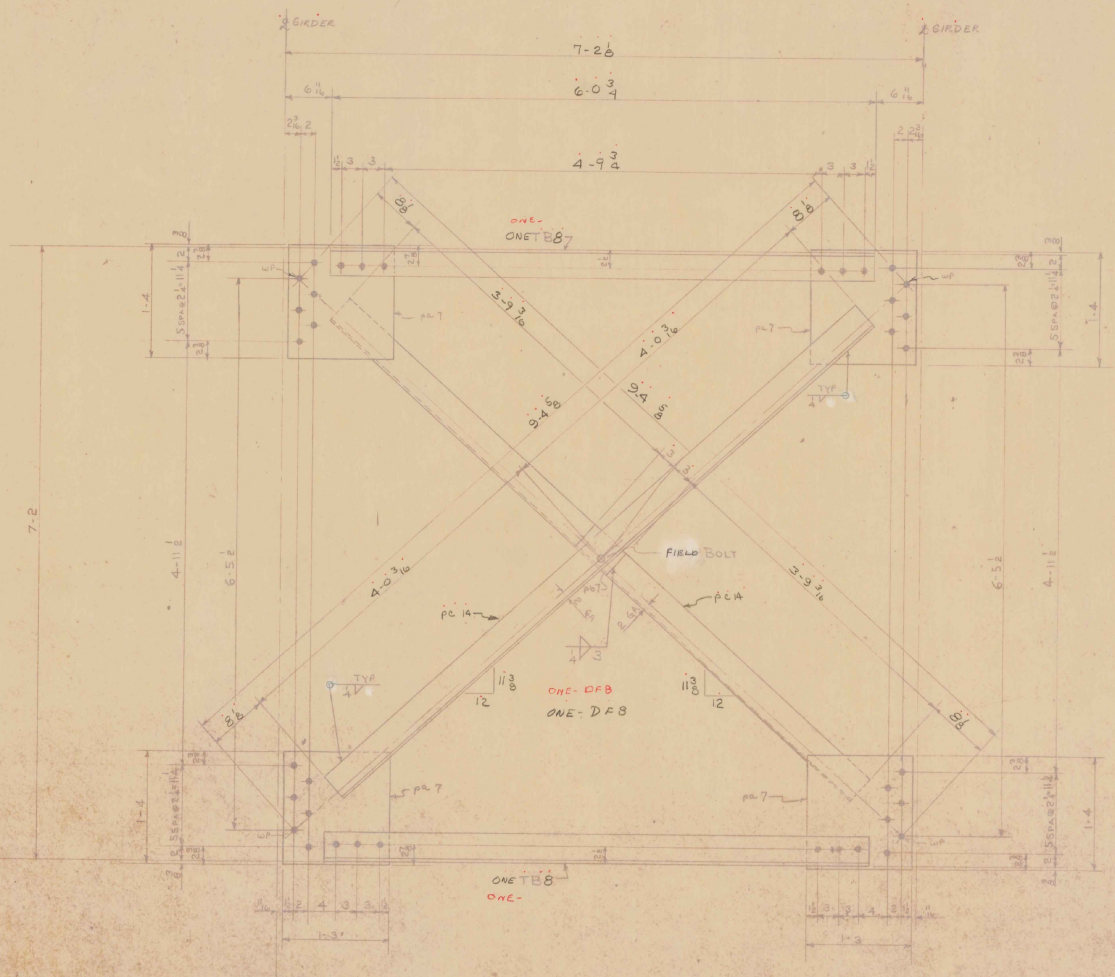
PROJ # 1-069 (3)

PICK FOR APP 3-10-67 HP

DRAWN BY	RLM	DATE	12-22-66
CK'D BY	HP		1-16-67
HOLES	15/16"		
BOLTS			
PAINT	R.L. (Vt Spec)		

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 13

PRINT RECORD		
NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4D	SHOP	2-17
2	STATE	2-28
1	WWW.	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GARROI

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

ASTM-A36

BILL OF MATERIAL

52

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ DF8				
		DIAGONAL FRAME				
4	PC7	PL 15 x 3/8	1	4	RCS @ 12-0 & 13-8	107 ✓
1	PC7	BAR 4 x 3/8	0	6	RCS @ 12-0 US 88B53	3 ✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1 ✓
						1 ✓
2	PC14	∠ 4 x 4 x 5/16	8	0 3/8	GRD @ 50-0 & 60-0 BBB64	132 ✓
		2 ~ TB8				
		TOP & BOTTOM ANGLES				
2	TB8	∠ 4 x 4 x 5/16	6	0 3/4	GRD @ 50-0 & 60-0 BBB64	77 ✓
		1/4" S WELD 4-2	4	2		1 ✓✓
						344 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV. PER APP 2-10-67 HP

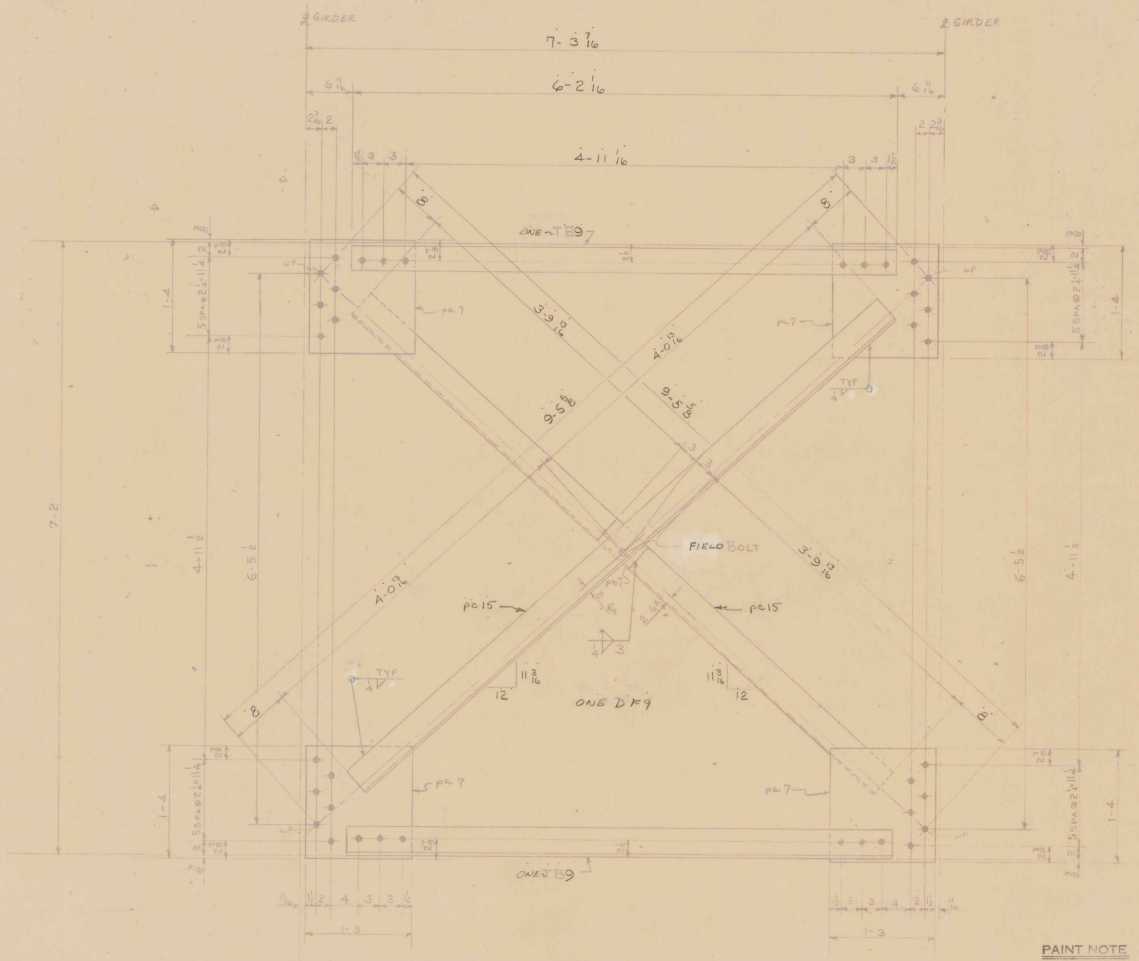
		DATE
DRAWN BY	RLM	12-22-66
CHK'D BY	HP	1-16-67

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN

ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 14

PAINT RECORD

NO.	TYP.	DATE
3	APP	1-16
1	SHOP	1-18
4	SHOP	2-17
2	STAT.	2-28
1	W.W.W.	5-18



PAINT NOTE

NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION

BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
	ONE	~DF9				
		DIAGONAL FRAME				
4	PC7	PL 15 x 3/8	1	4	RCSB 12-6 B 88503	107
1	PB7	BAR 4 x 3/8	0	6	RCSB 12-6 B 88503	3
1		7/8" HI TEN BOLT	0	2 1/4	STK	1
		W/ WASHERS				1
2	PC15	L 4 x 4 x 5/16	8	1 1/8	RCSB 12-6 B 88504	133
	2~TB9					
		TOP & BOTTOM ANGLES				
2	TB9	L 4 x 4 x 5/16	6	2 1/16	RCSB 12-6 B 88504	101
		1/4 S WELD	4	2		1

347

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

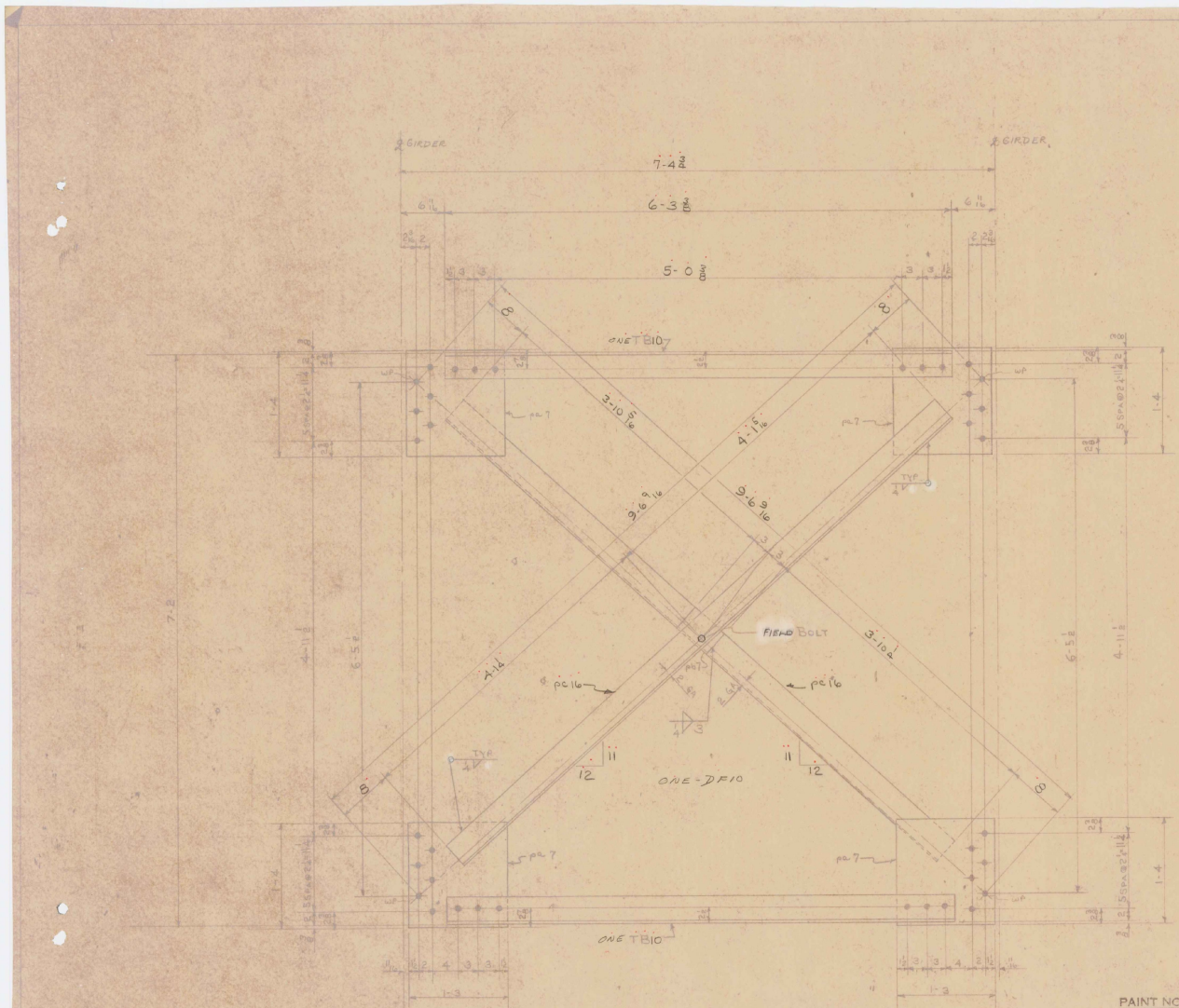
PROJ.# 1-067(3)

REV. PER. APP. 2-14-67

DRAWN BY	RLM	DATE	12-22-66
CHKD BY			1-16-67

PROJECT VERMONT RTE 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-265
SHEET NO. 15

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
40	SHOP	2-13
2	STAFF	2-28
1	WWW	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

(52)

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ DF 10				
		DIAGONAL FRAME				
4	pa7	PL 15 x 3/8	1	4	RES @ 12-0 & 13-8	107 ✓
1	pb7	BAR 4 x 3/8	0	6	ORD @ 50-0 US 88853	3 ✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1 ✓
						1 ✓
2	pc16	∠ 4 x 4 x 5/16	8	2 9/16	ORD @ 50-0 & 60-0 B88864	135 ✓
		2 ~ TB 10				
		TOP & BOTTOM ANGLES				
2	TB10	∠ 4 x 4 x 5/16	6	3 3/8	ORD @ 50-0 & 60-0 B88864	103 ✓
		1/4 ⌀ WELD	4	2		1 ✓
						351 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ# 1-067(3)

REV. PRA. APP 3-10-67 HP

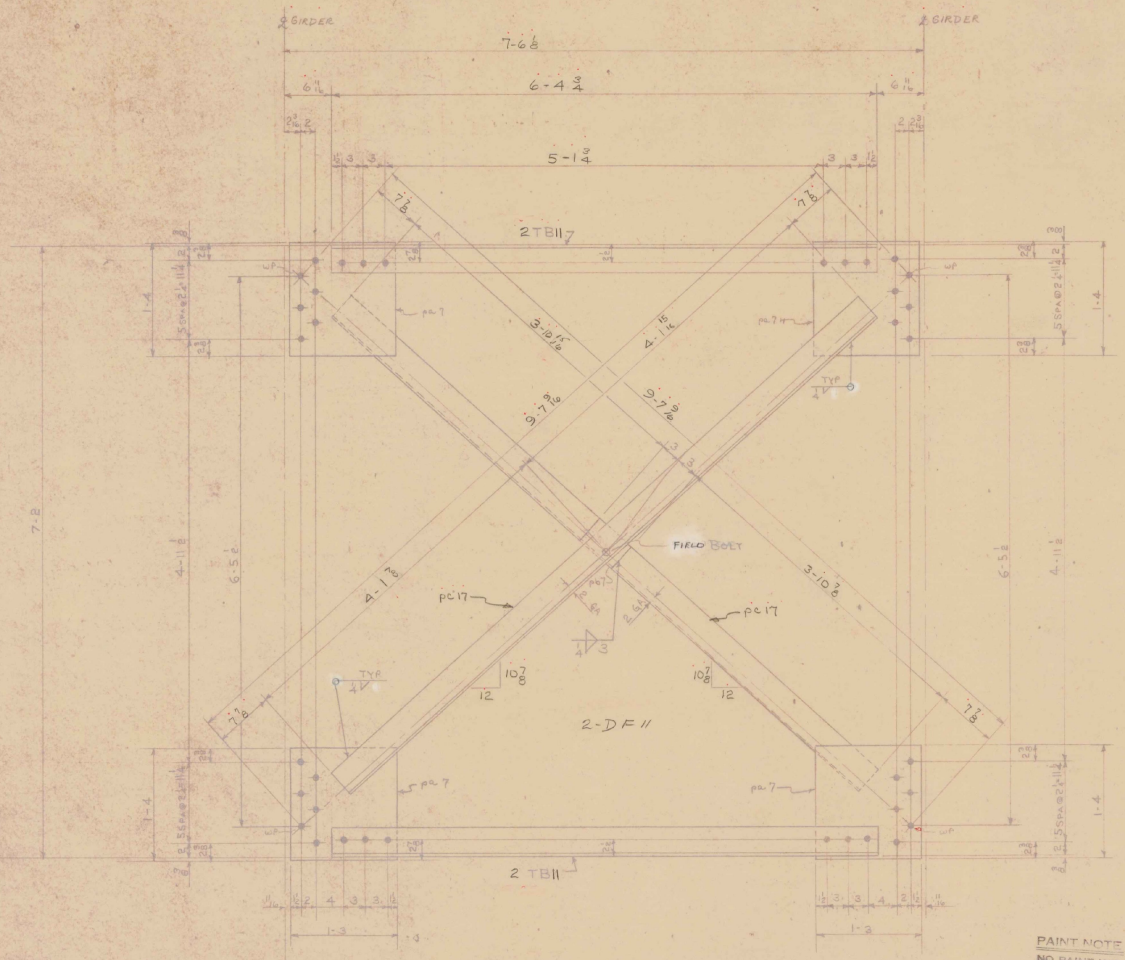
		DATE
DRAWN BY	RLM	12 66
CK'D BY	HP	1-16-67

PROJECT VERMONT RTE 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF V. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 16

HOLES 15/16
BOLTS
PAINT R.L. (V. SPEC)

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18



SHOP INSPECTION

BY Greene

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		2 - DF 11 DIAGONAL FRAME				
8	pc 7	PL 15 x 3/8	1	4	SEE B.B. SHEET 2-3	214
2	pb 7	BAR 4 x 3/8	0	6	SEE B.B. SHEET 2-3	5
2		7/8" HI TEN BOLT W/ WASHERS	0	2 4	SEE B.B. SHEET 2-3	2 1
4	pc 17	L 4 x 4 x 5/16	8	3 15/16	SEE B.B. SHEET 2-3 & SHEET 2-4 B.B. 64	273
		4 - TB 11 TOP & BOTTOM ANGLES				
4	TB 11	L 4 x 4 x 5/16	6	4 3/4	SEE B.B. SHEET 2-3 & SHEET 2-4 B.B. 64	210
		1/8 WELD	8	4		2 707

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ# 1-067(3)

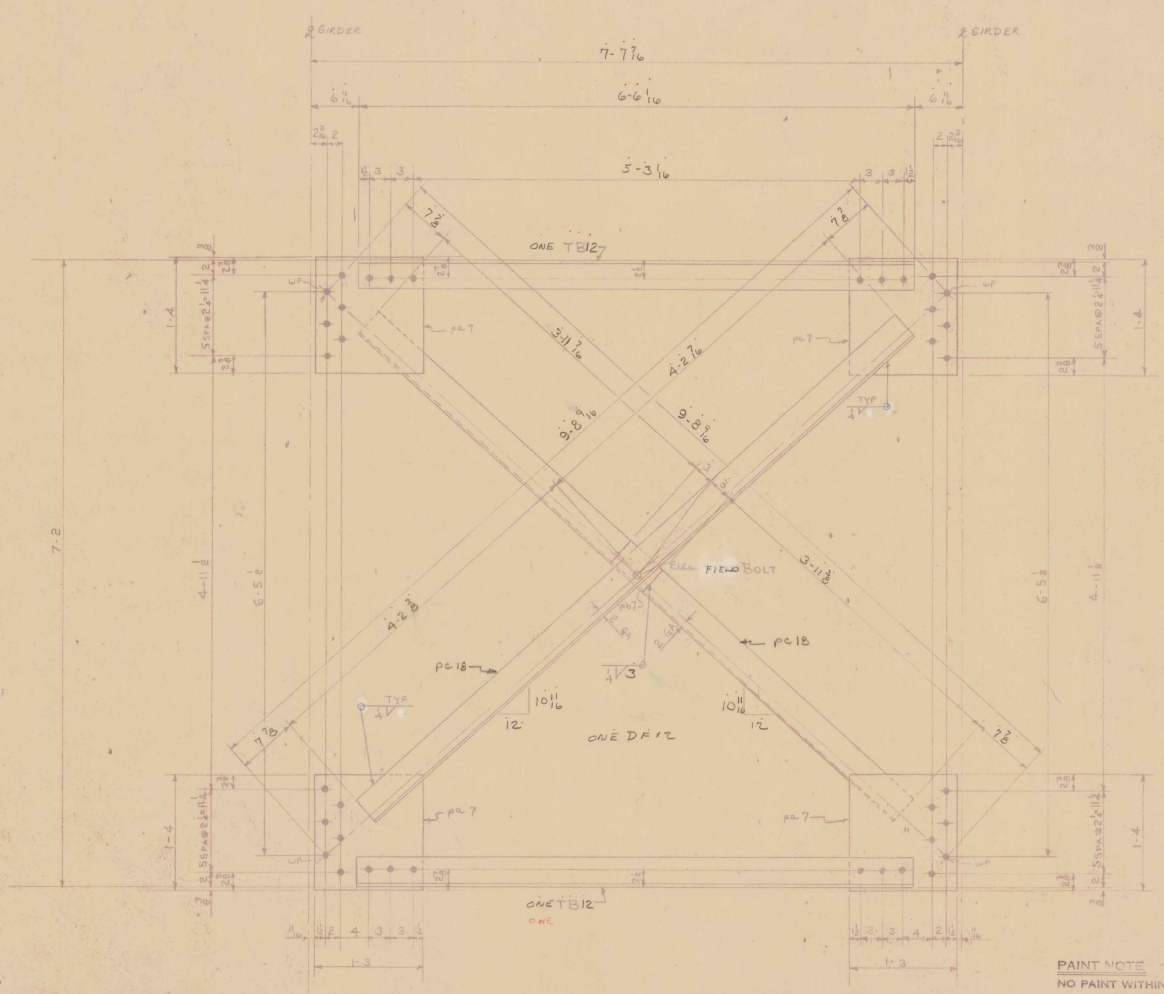
REV. REQ. MAR. 3, '67 HF

		DATE
DRAWN BY	RLM	10-22-66
CK'D BY	HF	1-16-67

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-12-65 SHEET NO. 17

HOLES 7/8"
BOLTS
PAINT R.L. (VT. SPEC.)

PRINT RECORD		
NO.	FOR	DATE
3	REP	1-16
1	SHOP	1-18
AD	SHOP	2-17
2	STATE	2-28
1	WWW	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE DF 12				
		DIAGONAL FRAME				
4	pc7	PL 15 x 3/8	1	4	REQ'D 12-0 SHOP 13-5	107 ✓
1	FB7	BAR 4 x 5/8	0	6	REQ'D 6-0 SHOP 6-3	3 ✓
1		3/4 HI TEN BOLT W/ WASHERS	0	24	STK	1 ✓ 1 ✓
2	PC18	∠ 4 x 4 x 5/16	8	4 7/16	REQ'D 2-0 & 6-0 SHOP 2-0 & 6-0	138 ✓
		2 ~ TB 12				
		TOP & BOTTOM ANGLES				
2	TB12	∠ 4 x 4 x 5/16	6	6 1/16	REQ'D 6-0 SHOP 6-0	107 ✓
		5/8 WELD	4	2		1 ✓ 358 ✓

ASTM A 36

JOB NO. SHEET NO. S2

BILL OF MATERIAL

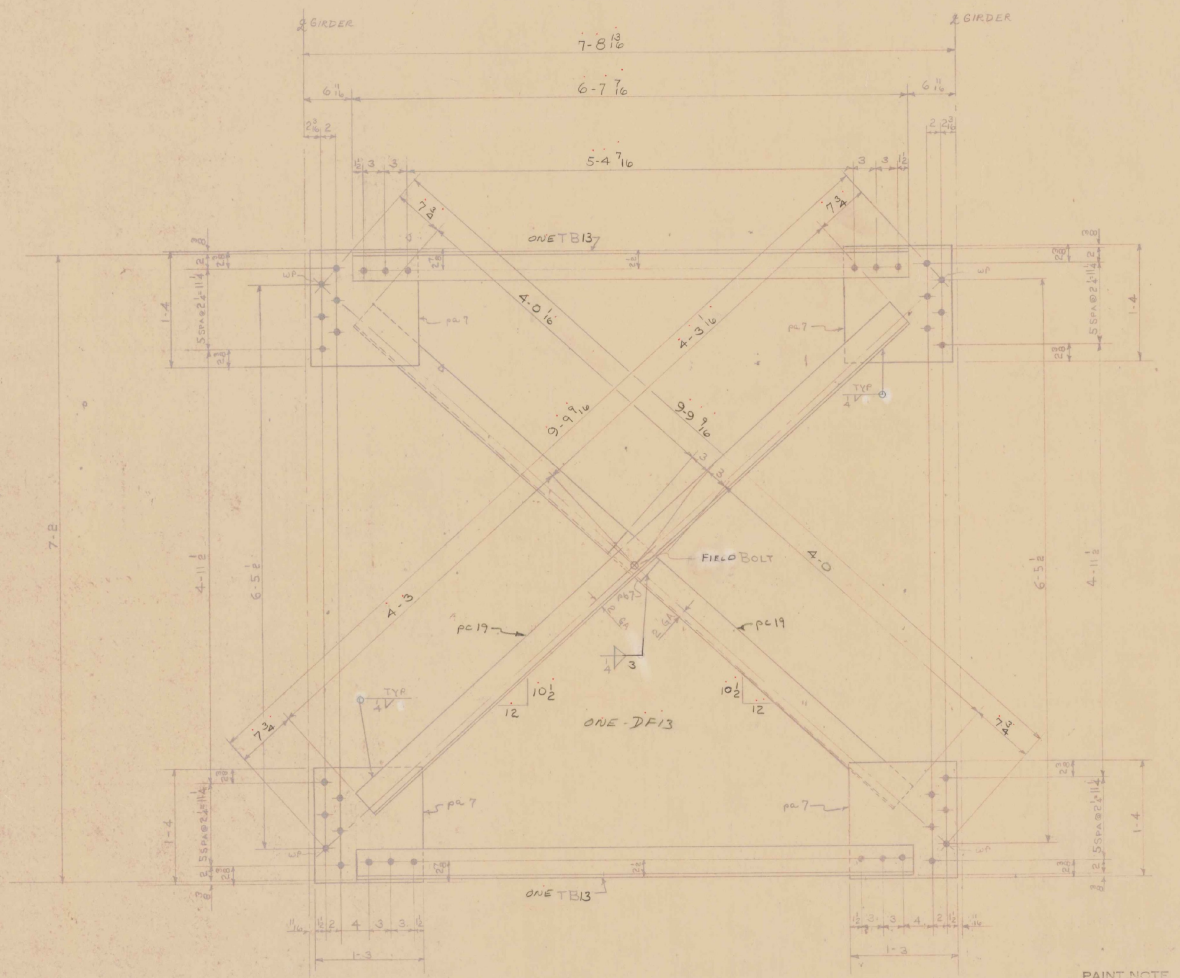
NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE DF 12				
		DIAGONAL FRAME				
4	pc7	PL 15 x 3/8	1	4	REQ'D 12-0 SHOP 13-5	107 ✓
1	FB7	BAR 4 x 5/8	0	6	REQ'D 6-0 SHOP 6-3	3 ✓
1		3/4 HI TEN BOLT W/ WASHERS	0	24	STK	1 ✓ 1 ✓
2	PC18	∠ 4 x 4 x 5/16	8	4 7/16	REQ'D 2-0 & 6-0 SHOP 2-0 & 6-0	138 ✓
		2 ~ TB 12				
		TOP & BOTTOM ANGLES				
2	TB12	∠ 4 x 4 x 5/16	6	6 1/16	REQ'D 6-0 SHOP 6-0	107 ✓
		5/8 WELD	4	2		1 ✓ 358 ✓

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJECT 1-0671(3)

PLY. REQ. APP. 7-10-67 HF

DRAWN BY	RLM 12/21/66	PROJECT	VERMONT RTE 100
CK'D BY	HF 1-16-67	LOCATION	MOUNTAIN VERMONT
HOLD 15/16		CUSTOMER	W. W. WYMAN
BOLTS		ARCHITECT	STATE OF VT. DEPT. OF HIGHWAYS
PAINT	R.L. (VT SPEC)	JOB NO.	66-12-05 SHEET NO. 18

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
2D	SHOP	1-18
4	SHOP	2-17
2	APP	2-28
1	WWW'S APP	



PAINT NOTE

NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION

BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

A-STM-A 36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
	ONE	~DF13				
		DIAGONAL FRAME				
4	PC7	PL 15 x 3/8	1	4	REQ'D 12-6 REQ'D 13-8	107
1	PB7	BAR 4 x 3/8	0	6	REQ'D 13-8 REQ'D 13-8	3
1		3/4 HI TEN BOLT W/ WASHERS	0	2½	STK	1
2	PC19	∠ 4 x 4 x 5/16	8	6 1/16	REQ'D 13-8 REQ'D 13-8	140
	2	~TB13				
		TOP & BOTTOM ANGLES				
2	TB13	∠ 4 x 4 x 5/16	6	7 7/16	REQ'D 13-8 REQ'D 13-8	109
		1/4 WELD	4	2		1
						362

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ. 1-067(3)

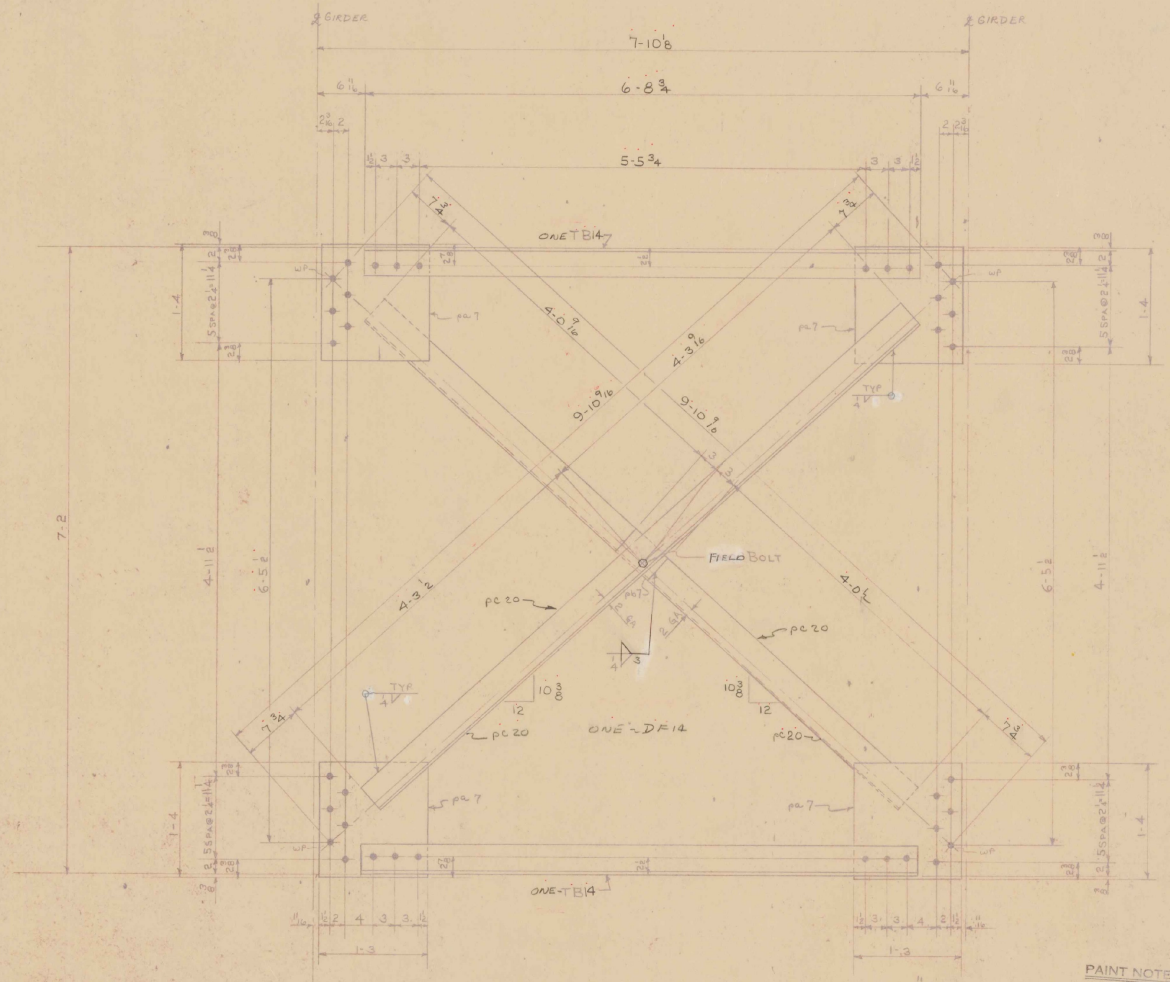
PRY. P.C.D. APP. 2-19-67 HP

		DATE
DRAWN BY	RLM	12-21-66
CKD BY	HP	1-16-67
NOTES 1/16		
BOLTS 8		
PAINT	R.L. (VT SPEC)	

PROJECT VERMONT RTE 100
LOCATION MOKETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 19

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-19
4	SHOP	2-17
2	STATE	2-28
1	W.W.W.S	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ DF 14				
		DIAGONAL FRAME				
4	pa7	PL 15 x 3/8	1	4	RES @ 12.0 & 13.8	107
1	pb7	BAR 4 x 3/8	0	6	OLD @ 23.0 US 88853	3
1		7/8" HI TEN BOLT	0	2 1/4	STK	1
		W/ WASHERS				1
2	PC20	∠ 4 x 4 x 5/16	8	7 1/16	ORD @ 50.0 & 60.0 B88864	141
		2 ~ TB 14				
		TOP & BOTTOM ANGLES				
2	TB14	∠ 4 x 4 x 5/16	6	8 3/4	ORD @ 50.0 & 60.0 B 88864	110
		1/4 S WELD	4	2		1
						364

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV. PER APP 2-10-67 HP

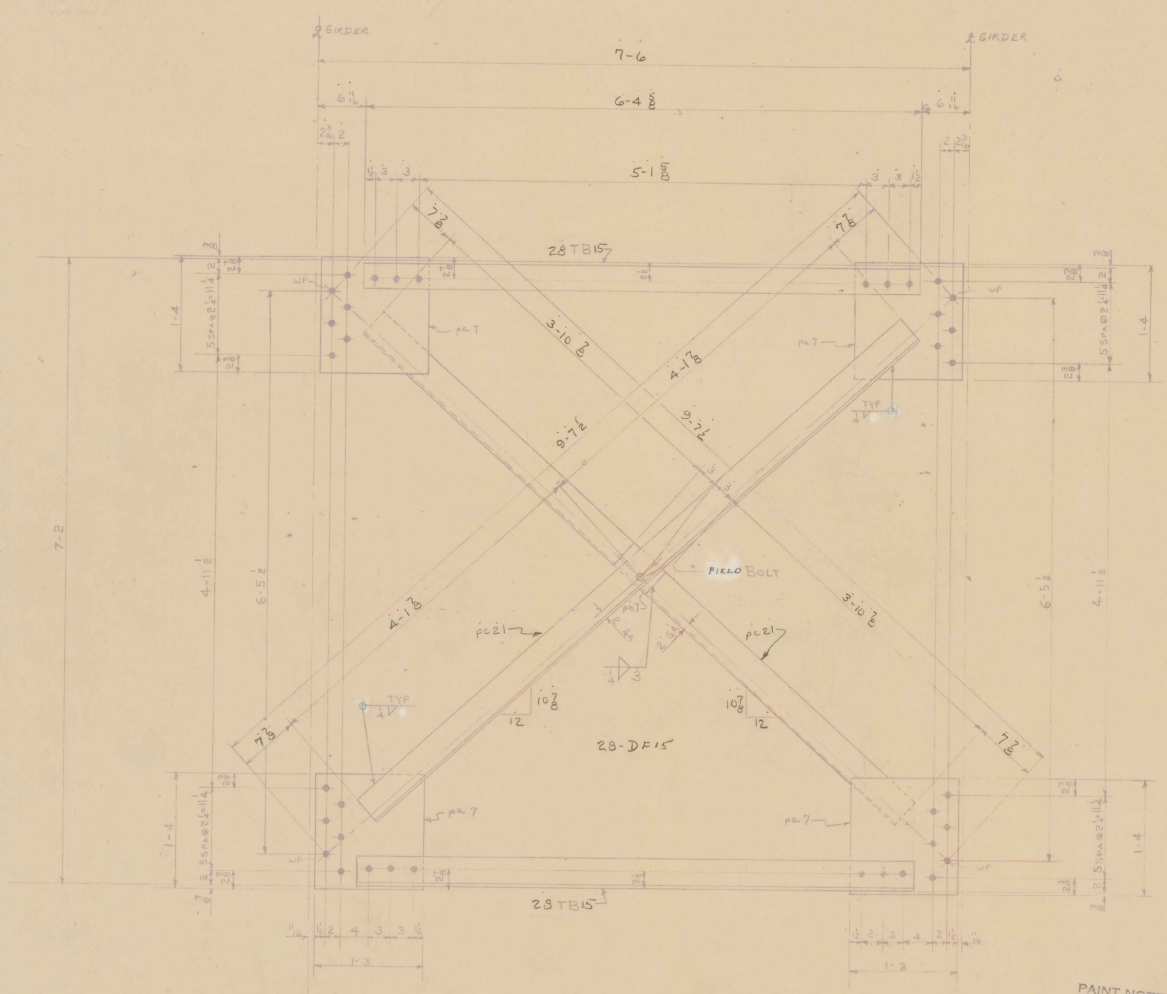
PROJ# 1-067(3)

		DATE
DRAWN BY	RLM	12-21-66
CK'D BY	HP	1-16-67
HOLES	5/16	
BOLTS		
PAINT	RL (V+SPEC)	

PROJECT VERMONT RTE # 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF V-DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 20

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4 (D)	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Garrol

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		28 ~ DF15				
		DIAGONAL FRAME				
112	pa7	PL 15 x 3/8	1	4	RES @ 12-0 & 13-8	2995
28	pb7	BAR 4 x 3/8	0	6	~~ad@50-0~~ US 88853	71
28		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	26
56	pc21	∠ 4 x 4 x 5/16	8	3 3/4	GRD @ 50-0 & 60-0 B88864	3817
		56 ~ TB15				
		TOP & BOTTOM ANGLES				
56	TB15	∠ 4 x 4 x 5/16	6	4 5/8	GRD @ 50-0 & 60-0 B 88864	2932
		1/4" S WELD	117	0		~~29~~ 19
						~~9873~~ 9863

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV. PER APP 3-10-67 HP

PROJ # 1-067(3)

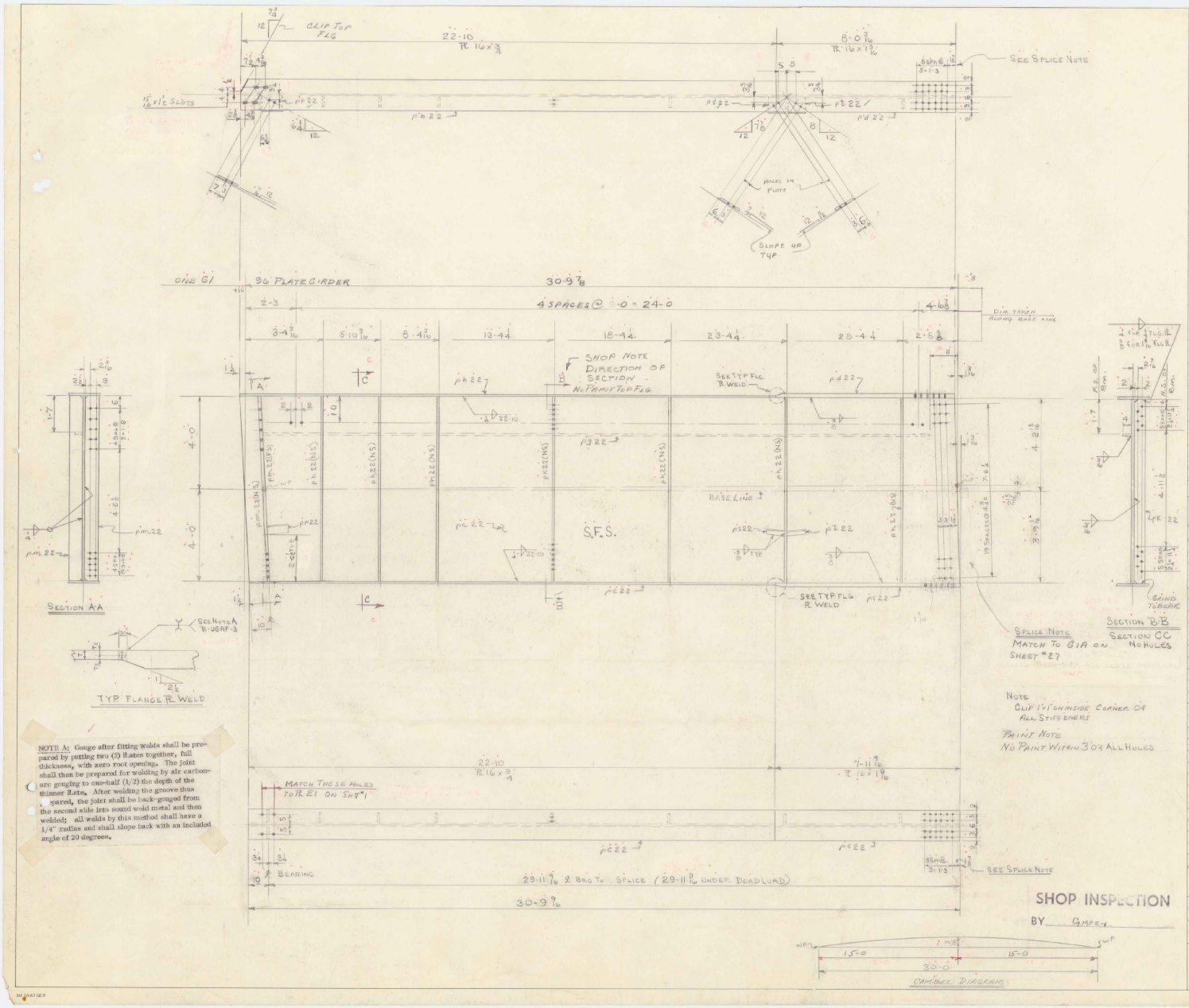
		DATE
DRAWN BY	RLM	12-22-66
CK'D BY	HP	1-16-67

HOLES 15/16"
BOLTS
PAINT R.L. (V+SPEC)

PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 21

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-19
4 (1)	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18



NOTE A: Gouge after fitting welds shall be prepared by putting two (2) Plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner Plate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded; all welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.

SHOP INSPECTION

BY GMPRY

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT
		ONE PLATE GIRDER G1			
1	pa22	PL 99 x 3/8 (SEE DWG CD1)	31	0 5/8	ORD B88863 PL 100 x 3/8 x 32-0 4096
1	pb22	PL 16 x 3/4	22	10	ORD B88875
1	pc22	do	22	10	@ 47-0 1896
1	pd22	PL 16 x 1 9/16	8	0 3/16	ORD B88863
1	pf22	do	7	11 9/16	@ 57-0 1383
1	pg22	BAR 4 x 3/8	29	1 1/2	ORD @ 20-0 US B88853 149
6	ph22	BAR 5 1/2 x 3/8	8	0	ORD @ 17-0
1	pk22	do	8	0	B88645 393
1	pm22	BAR 7 x 5/8	8	0	ORD B88879
1	pn22	do	8	0	@ 17-0 238
1	pp22	BAR 8 x 3/8	0	10	
1	ps22	do	0	9	RES @ 26-0
1	pt22	do	0	9	24
		3/16 S WELD	170	3	~~26~~ 15
		1/4 S WELD	132	7	~~33~~ 21
		3/8 S WELD	39	6	~~20~~ 14
					~~8258~~ 8229

REV-2-24-62 RLM

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ # S-0167(3)

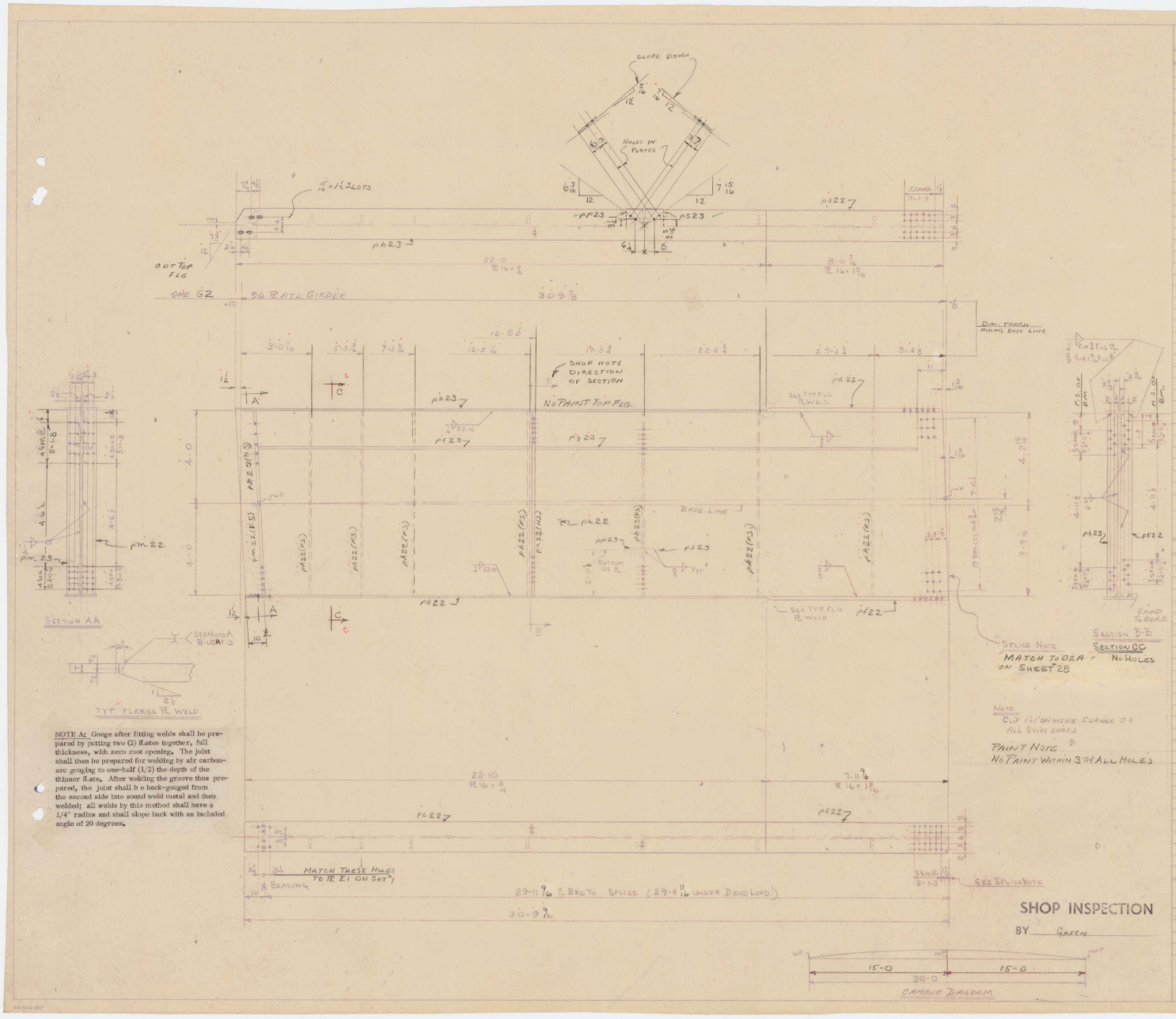
		DATE
DRAWN BY	RLM	12-27-66
CK'D BY	HP	12-16-66

HOLES 15/16 Ø
BOLTS
PAINT RL (VT SPEC) & AS NOTED

PROJECT VERMONT RTE #100
LOCATION MORETOWN, VERMONT
CUSTOMER W W WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 22

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-23
1	W.W.W.	5-18

SW 10.63 DCF



NOTE A: Gouge after fitting welds shall be prepared by putting two (2) Plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner Plate. After welding the groove thus prepared, the joint shall b e back-gouged from the second side into sound weld metal and then welded; all welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE PLATE GIRDER G2				
1	pa22	PL 99 x 3/8 (SEE DWG CD1)	31	0 5/8	ORD B88863 PL 100 x 3/8 x 32-0	4096
1	pb23	PL 16 x 3/4	22	10	ORD B88875	
1	pc22	do	22	10	@ 47-0	1896
1	pd22	PL 16 x 1 9/16	8	0 3/16	ORD B88863	
1	pf22	do	7	11 1/16	@ 57-0	1383
1	pf23	BAR 4 x 3/8	11	10 1/2	ORD @ 20-0	
1	pg23	do	17	2 3/8	US 88853	148
1	ph23	BAR 5 1/2 x 3/8	8	0		
6	ph22	do	8	0	ORD @ 17-0	
1	pk22	do	8	0	B88645	449
1	pm22	BAR 7 x 5/8	8	0	ORD @ 17-0 B88879	
1	pp23	BAR 8 x 3/8	0	10 1/2		
1	ps23	do	0	9	RES @ 20-0	16
1	pm23	BAR 7 x 5/8	8	0	ORD @ 17-0 B88879	238
		3/16 S WELD	188	2		~~28~~ 17
		1/4 S WELD	134	5		~~34~~ 21
		3/8 S WELD	37	2		~~19~~ 13
						~~8307~~ 8277

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ S-0167(3)

		DATE
DRAWN BY	RLM	12-28-66
CK'D BY		

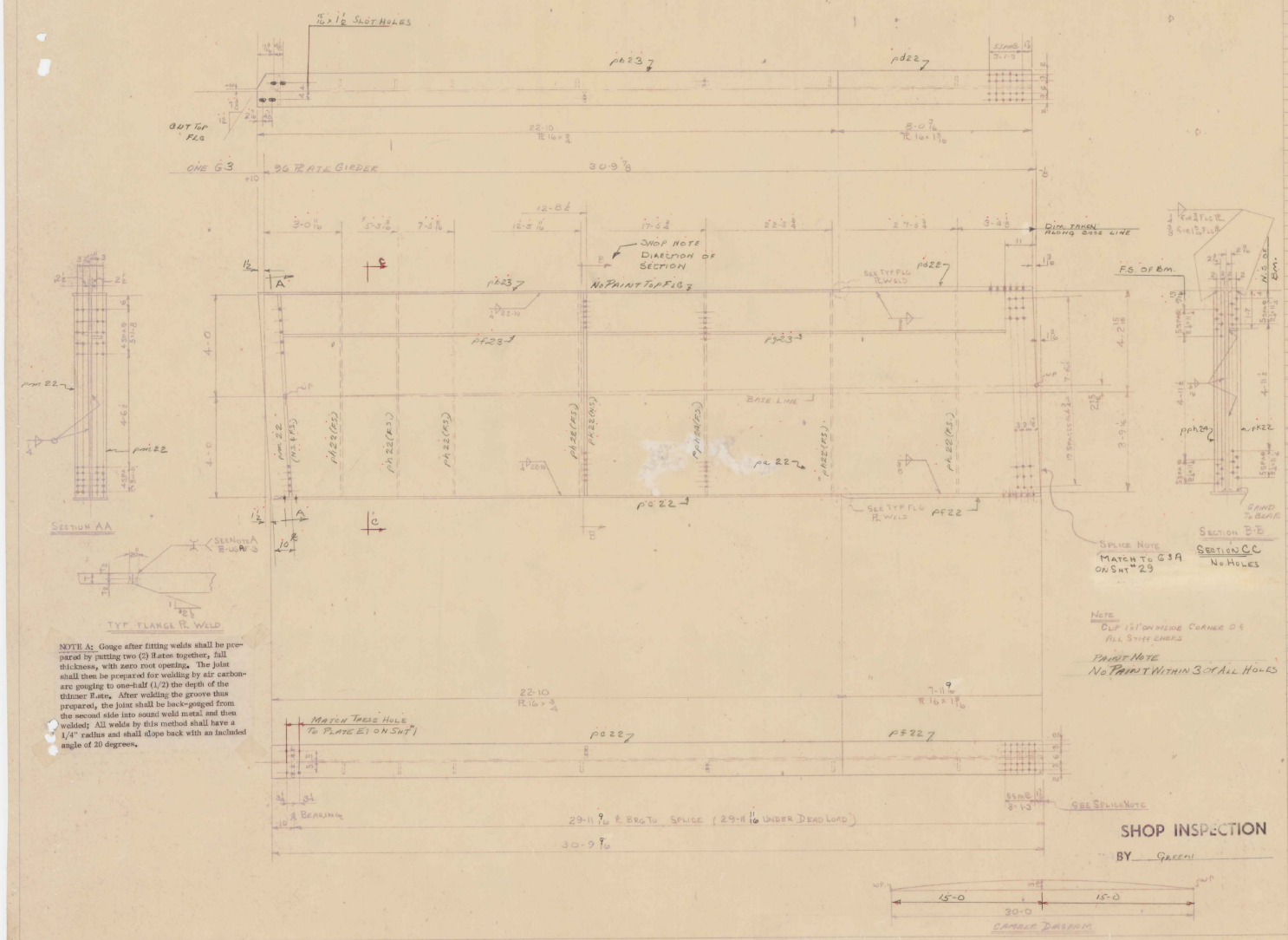
PROJECT VERMONT RTE #100
LOCATION MORETOWN, VERMONT
CUSTOMER W W WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HIGHWAYS
JOB NO. 66-1268 SHEET NO. 23

HOLES 15/16
BOLTS
PAINT PL (VT SPEC)
℄ AS NOTED

PRINT RECORD NO.	FOR	DATE
3	MAP	1-16
1	SHOP	1-18
40	SHOP	2-17
2	STATE	2-28
1	W.W.W	5-18

SHOP INSPECTION

BY GARRN



NOTE A: Gouge after fitting welds shall be prepared by putting two (2) Plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner Plate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded; All welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.

SHOP INSPECTION

BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G3					
1	pa22	PL 99 x 3/8 (SEE DWG #CD1)	31	0 5/8	ORD B88863 PL 100 x 3/8 x 32-0	4096	
1	pb23	PL 16 x 3/4	22	10	ORD B88875		
1	pc22	do	22	10	@ A7-0	1596	
1	pd22	PL 16 x 1 9/16	8	0 13/16	ORD B88863		
1	pf22	do	7	11 9/16	@ 57-0	1383	
1	pf23	BAR 4 x 3/8	11	10 1/2	ORD US88853		
1	pg23	do	17	2 3/8	@ 20-0	148	
1	pph24	BAR 5 1/2 x 3/8	8	0	ORD B88645		
6	ph22	do	8	0	@ 17-0	449	
1	pk22	do	8	0			
2	pm22	BAR 7 x 5/8	8	0	ORD B88879 @ 17-0	238	
		3/16 S WELD	188	2		~~28~~	17
		1/4 S WELD	134	5		~~34~~	21
		3/8 S WELD	32	4		~~16~~	13
							~~8288~~ 8261

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ. S-0167(3)

REV. FEM APP 2-10-67 HP

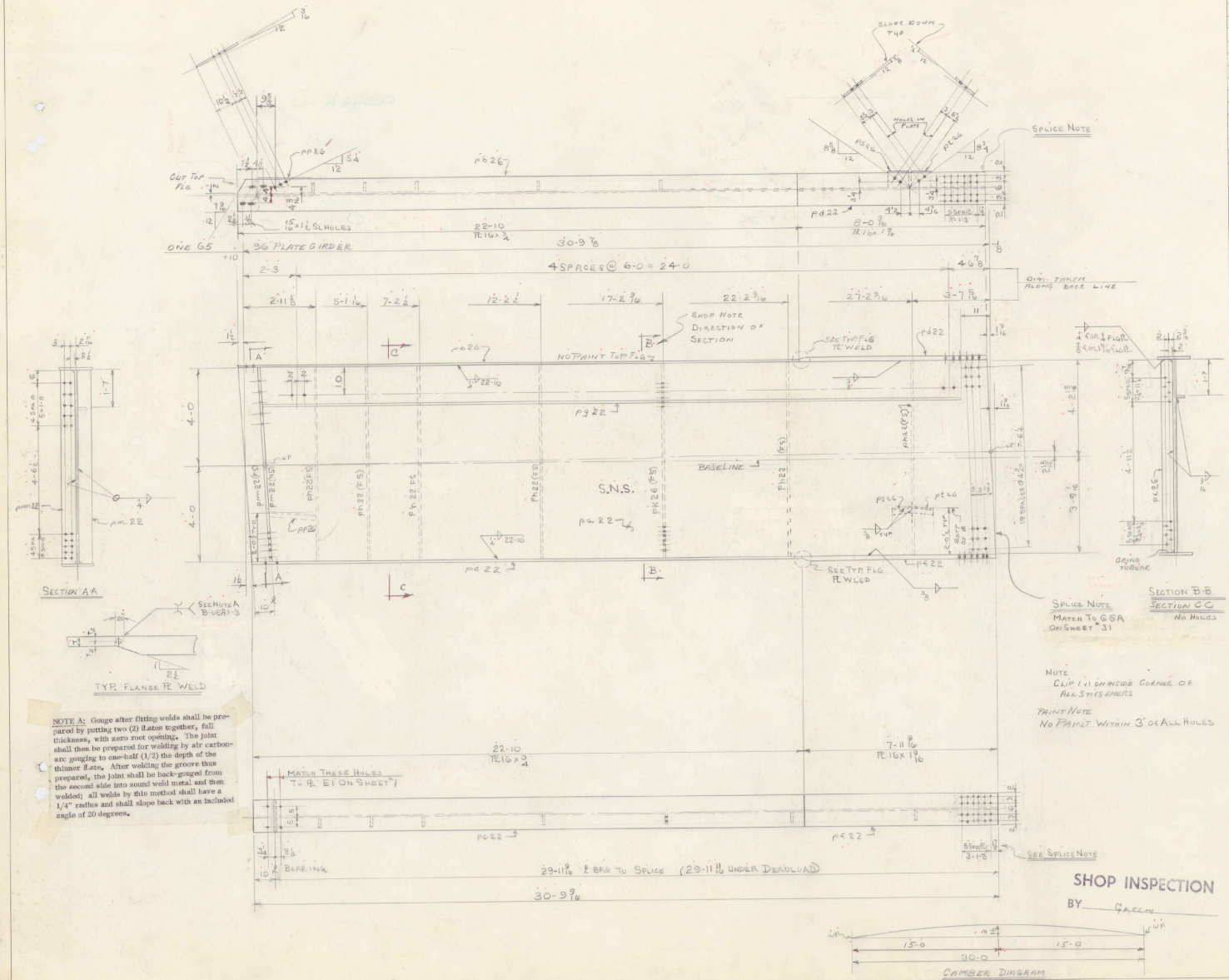
		DATE
DRAWN BY	RLM	12-28-66
CK'D BY		

HOLES 15/16
BOLTS
PAINT PL (VT SPEC) & AS NOTED

PROJECT VERMONT RTE #100
LOCATION MORETOWN, VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HIGHWAYS
JOB NO. 66-1263 SHEET NO. 24

PRINT RECORD

NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	V.W.W.	5-18



NOTE A: Gouge after fitting welds shall be prepared by putting two (2) PLates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner PLate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded; all welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.

SHOP INSPECTION

BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G5					
1	pa22	PL 99 x 3/8 (SEE DWG CD1)	31	0 3/8	ORD B88863 PL 100 x 3/8 32-0	4096 ✓	
1	pb26	PL 16 x 3/4	22	10	ORD B88875 PL 16 x 3/4 x 42-0	1896 ✓	
1	pc22	do	22	10			
1	pd22	PL 16 x 1 9/16	8	0 9/16	ORD B88863 PL 16 x 1 9/16 x 37-0	1353 ✓	
1	pf22	do	7	11 9/16			
1	pg22	BAR 4 x 3/8	29	1 1/2	ORD 20-0 US B88853	149 ✓	
6	ph22	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0	393 ✓	
1	ph26	do	8	0			
1	pm22	BAR 7 x 3/8	8	0	ORD B88879 @ 17-0	238 ✓	
1	pm22	do	8	0			
1	pp26	BAR 8 x 3/8	2	0 7/8	RES @ 20-0		
1	ps26	do	0	8 1/2			
1	pt26	do	0	8 1/2		36 ✓	
		3/16 S WELD	170	3		~~26~~ ✓	15
		1/4 S WELD	133	6		~~33~~ ✓	21
		3/8 S WELD	42	2		~~21~~	15
							~~8271~~ 8242

REV 2-24-67 RLM

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV-PER BRP 2-10-67 HP

PROJ # S-0167(3)

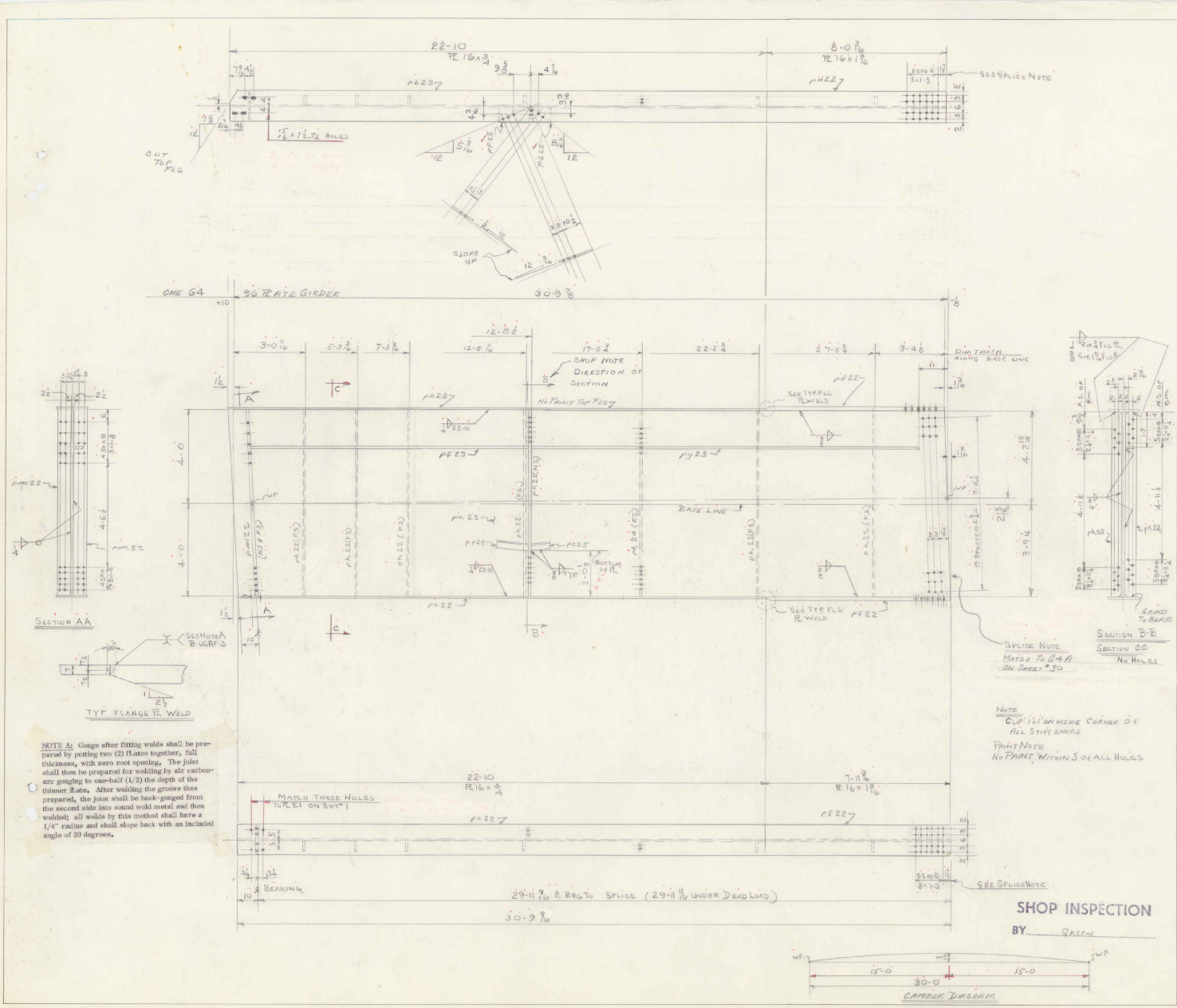
		DATE
DRAWN BY	RLM	12-27-66
CK'D BY	HP	12-16-66

HOLES 15/16 ⊘
BOLTS
PAINT RL (VT SPEC) & AS NOTED

PROJECT VERMONT RTE # 100
LOCATION MORETOWN, VERMONT
CUSTOMER WW WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 26

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
7 ①	APP SHOP	4-17
2	STAT	2-28
1	W.W.W.	5-18

SM 10-63 QCP



NOTE A: Gouge after fitting welds shall be prepared by putting two (2) Plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner Plate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded; all welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.

SHOP INSPECTION

BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER G4					
1	pa22	PL 99 x 3/8 (SEE DWG CD1)	31	0 5/8	ORD B88863 PL 100 x 3/8 x 22-0	4096	✓
1	pb23	PL 16 x 3/4	22	10	ORD B88875 @ 47-0	1896	✓
1	pc22	do	22	10			
1	pd22	PL 16 x 1 9/16	8	0 7/16	ORD B88863 @ 57-0	1383	✓
1	pf22	do	7	11 13/16			
1	pf23	BAR 4 x 3/8	11	10 1/2	ORD US 88853 @ 20-0	148	✓
1	pg23	do	17	2 3/8			
1	ph25	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0	449	✓
6	ph22	do	8	0			
1	pk22	do	8	0			
2	pm22	BAR 7 x 5/8	8	0	ORD B88879 @ 17-0	238	✓
1	pp25	BAR 8 x 3/8	1	4 1/2	RES @ 20-0	21	✓
1	ps25	do	0	8 1/2			
		3/16 S WELD	188	2		~~28~~	17
		1/4 S WELD	134	5		~~34~~	21
		3/8 S WELD	38	3		~~19~~	13
							~~8312~~
							8282

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ # S-0167 (3)

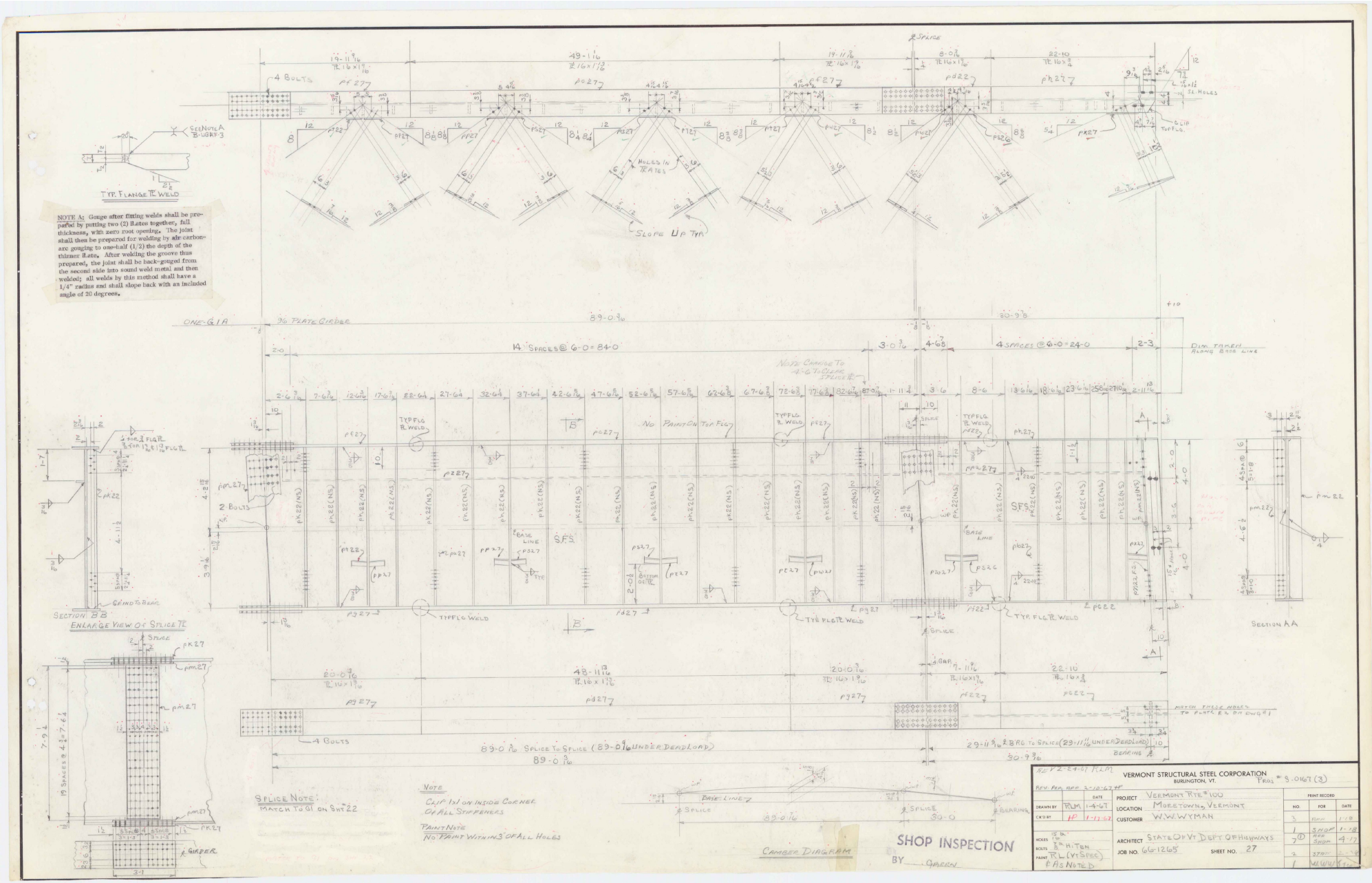
		DATE
DRAWN BY	RLM	12-28-66
CK'D BY	HP	12-16-66

HOLES 15/16 Ø
BOLTS
PAINT RL (VTSPEC)

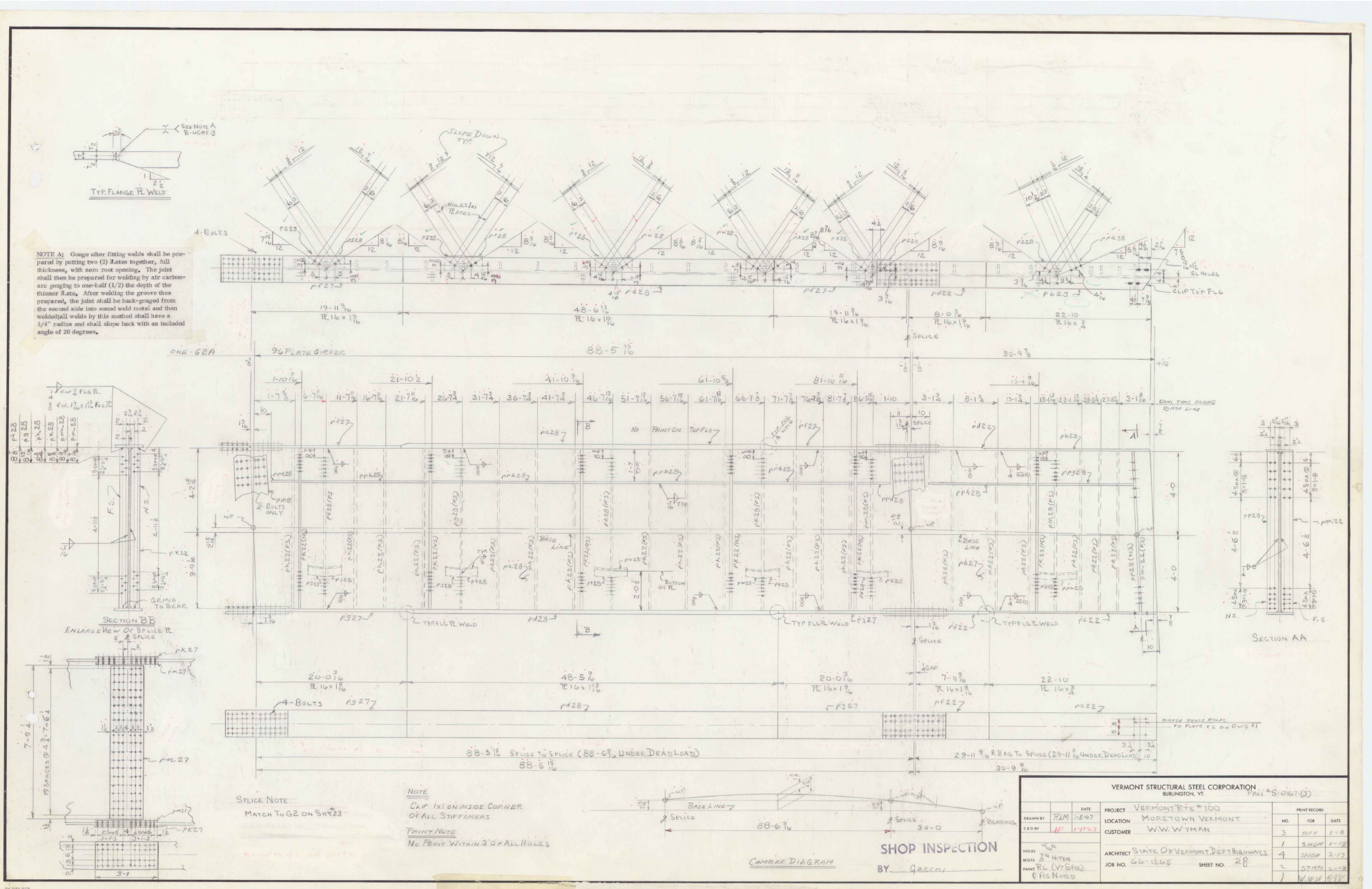
PROJECT VERMONT RTE #100
LOCATION MORETOWN, VERMONT
CUSTOMER W W WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 25

PRINT RECORD NO.	FOR	DATE
3	APP	1-16
1	SHOP	1-18
4 D	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18

SM 10-63 QCP



TYP. FLANGE PL WELD
SEE NOTE A B-UGRF-3
NOTE A: Gouge after fitting welds shall be prepared by putting two (2) Plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner Plate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded; all welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.
4 BOLTS
HOLES IN PLATES
SLOPE UP TYP.
ONE-G1A
96 PLATE GIRDER
14 SPACES @ 6-0 = 84-0
4 SPACES @ 6-0 = 24-0
DIM TAKEN ALONG BASE LINE
NOTE CHANGE TO 4-6 TO CLEAR SPLICE PL
NO PAINT ON TOP FLG
TYP FLG PL WELD
2 BOLTS
S.F.S.
BASE LINE
GRIND TO BEAR
SECTION BB
ENLARGE VIEW OF SPLICE PL
SECTION AA
MATCH THESE HOLES TO PLATE R2 ON DWG #1
4 BOLTS
89-0 3/16 SPLICE TO SPLICE (89-0 9/16 UNDER DEAD LOAD)
89-0 3/16
29-11 9/16 ℄ BRG TO SPLICE (29-11 11/16 UNDER DEAD LOAD)
30-9 9/16
BEARING
SPLICE NOTE: MATCH TO G1 ON SHT 22
NOTE
CLIP 1x1 ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES
CAMBER DIAGRAM
SHOP INSPECTION
BY GREEN
REV 2-24-67 RLM
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ # S-0167 (3)
REV. REP. APP. 3-10-67 HP
DRAWN BY RLM 1-4-67
CK'D BY HP 1-17-67
PROJECT VERMONT RTE #100
LOCATION MORETOWN, VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265
SHEET NO. 27
HOLES 15 & 16
BOLTS 7/8 HI TEN
PAINT RL (VT SPEC) & AS NOTED
PRINT RECORD
NO. FOR DATE
3 APP 1-18
1 SHOP 1-18
7 ① REF SHOP 4-17
2 STAT 2-18
1 WWW



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VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ #S-0167-(3)

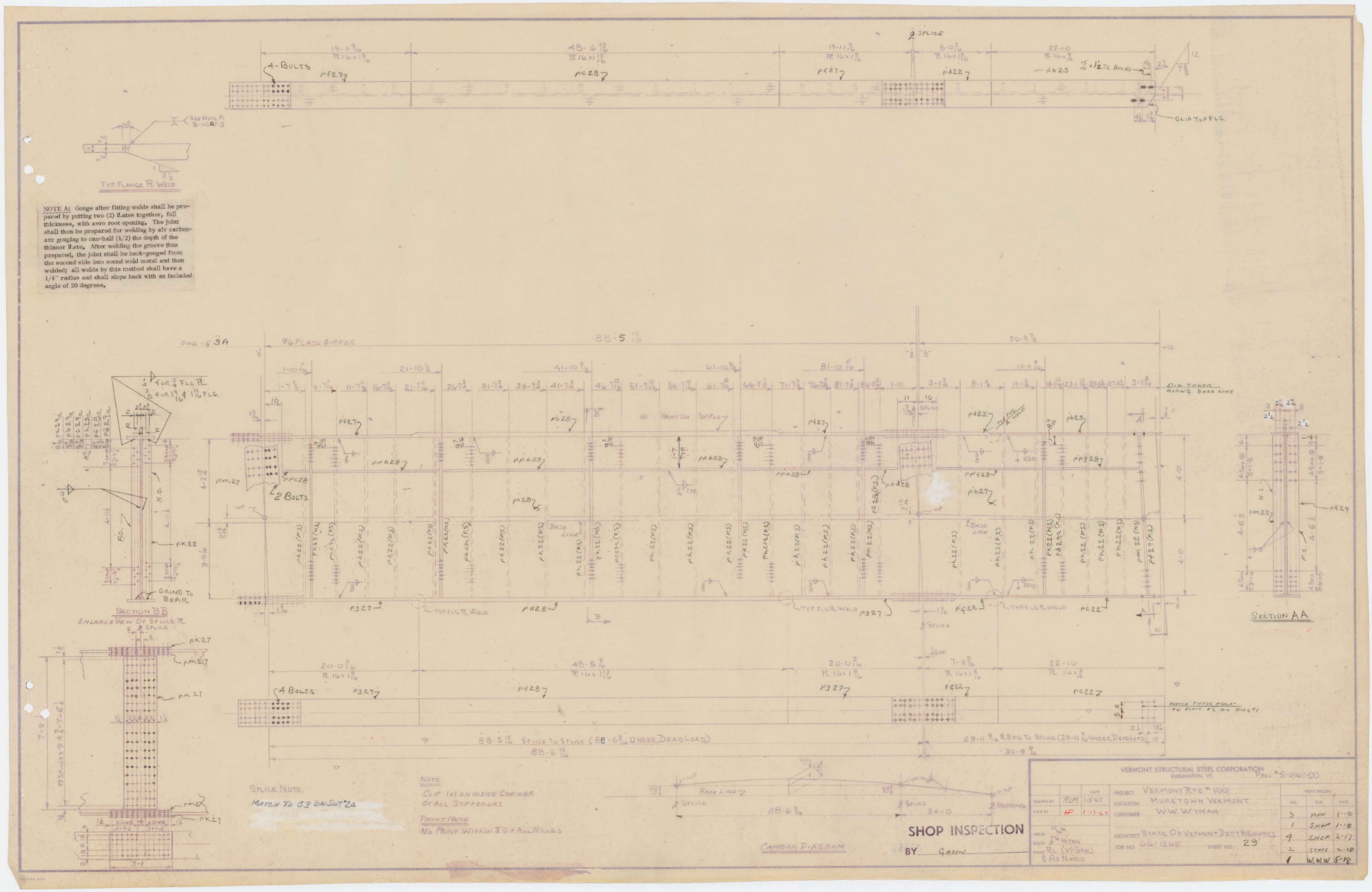
		DATE
DRAWN BY	RLM	1-5-67
C'K'D BY	JP	1-17-67

HOLES 15/16 Ø
BOLTS 7/8 Ø HITEN
PAINT RL (VT SPEC) & AS NOTED

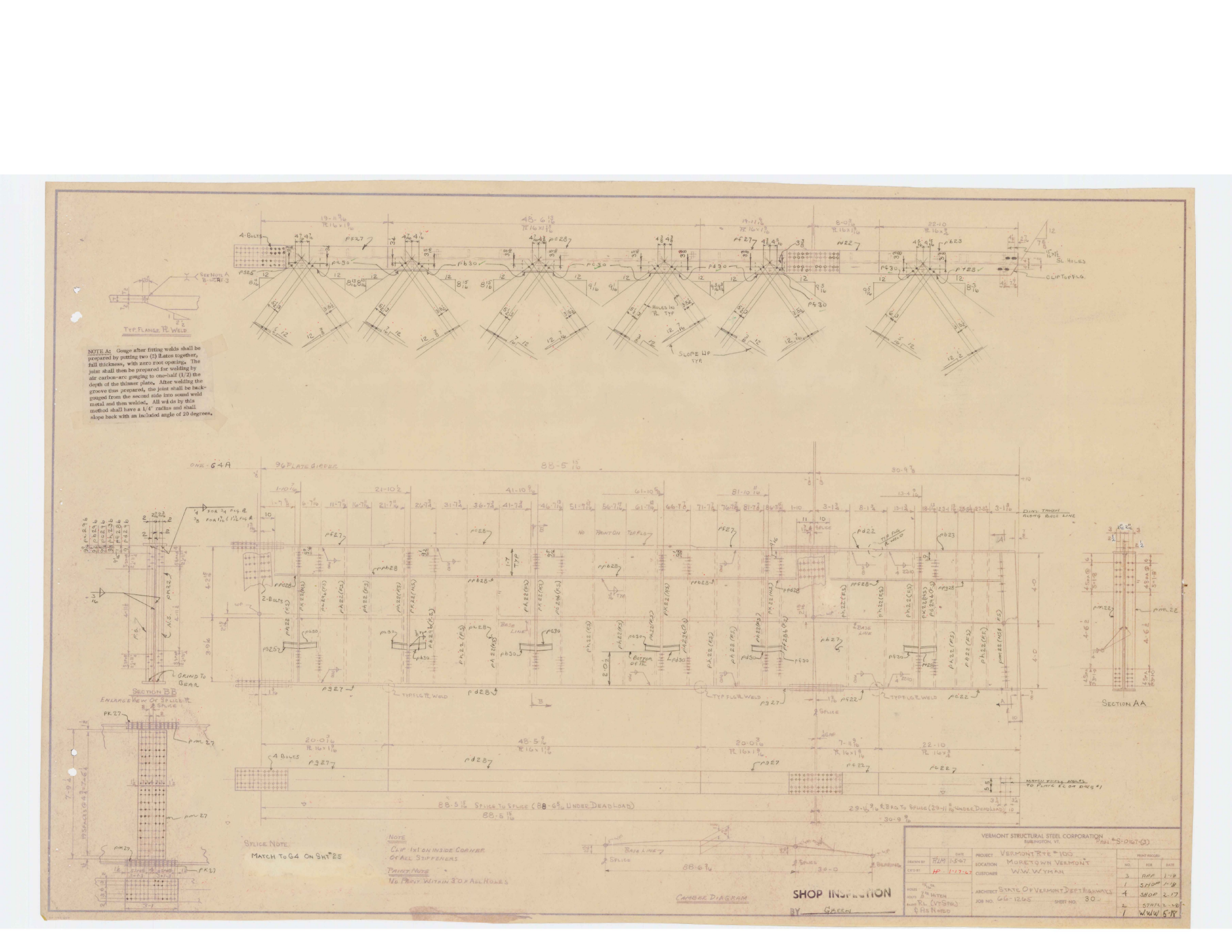
PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VERMONT DEPT HIGHWAYS
JOB NO. 66-1265 SHEET NO. 28

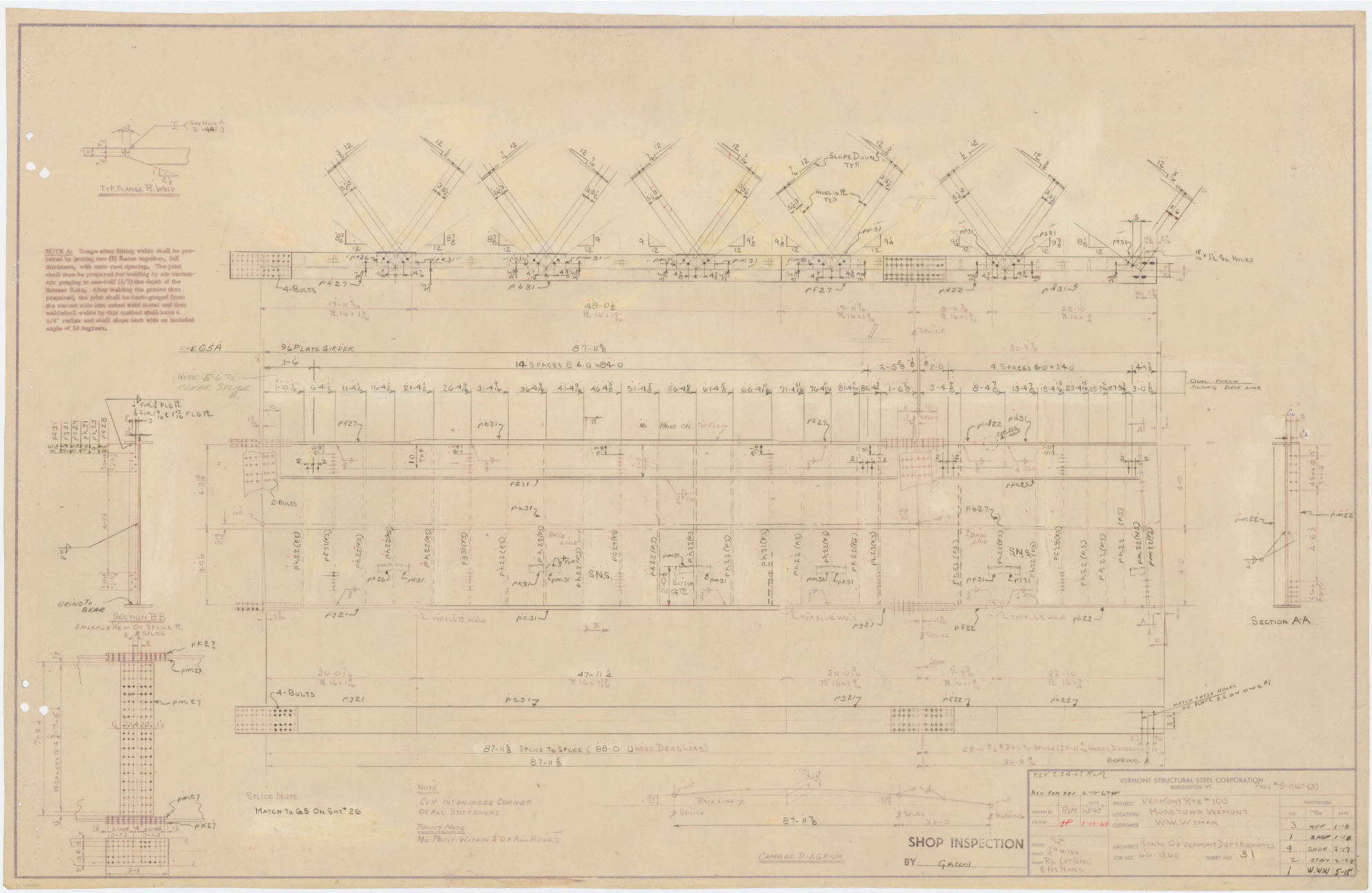
PRINT RECORD

NO.	FOR	DATE
3	APP	1-18
1	SHOP	1-18
4	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18

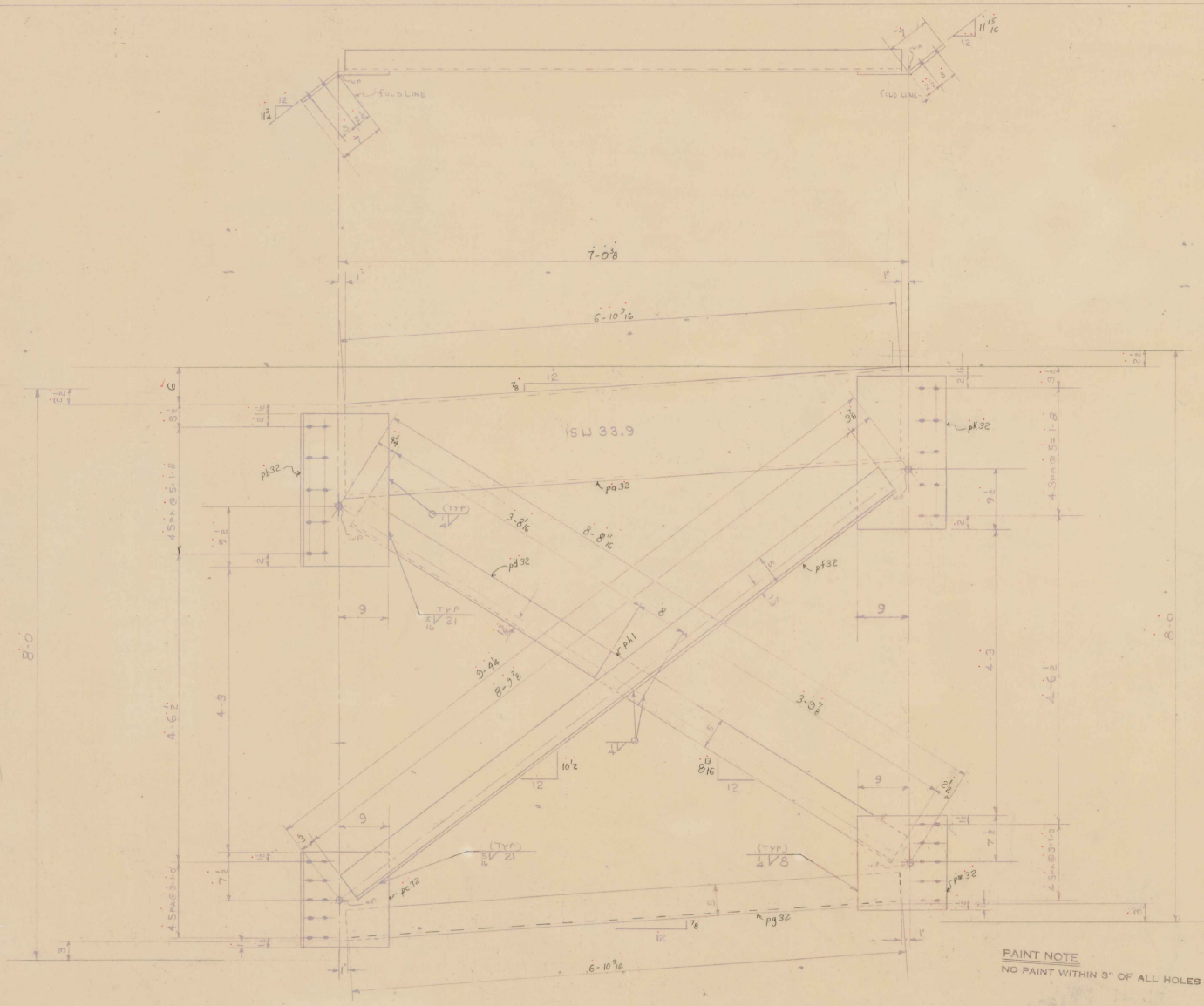


4-BOLTS
SPLICE
CLIP TO FLG.
TYP. FLANGE PL WELD
SEE NOTE A B-UCAF-3
NOTE A: Gouge after fitting welds shall be prepared by putting two (2) Plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner Plate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded; all welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.
ONE-6 3A
96 PLATE GIRDER
88-5 15/16
30-9 7/8
DIM. TAKEN ALONG BASE LINE
NO PAINT ON TOP FLG.
2 BOLTS
BASE LINE
TYP FLG PL WELD
SECTION BB
ENLARGE VIEW OF SPLICE PL
GRIND TO BEAR
SECTION AA
4 BOLTS
MATCH THESE HOLES TO PLATE E2 ON DWG #1
88-5 15/16 SPLICE TO SPLICE (88-6 5/16 UNDER DEAD LOAD)
29-11 9/16 ℄ BRG TO SPLICE (29-11 11/16 UNDER DEAD LOAD)
SPLICE NOTE
MATCH TO C3 ON SHT #24
NOTE
CLIP 1x1 ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES
CAMBER DIAGRAM
SHOP INSPECTION
BY GREEN
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ # S-0167-(3)
DRAWN BY RLM DATE 1-5-67
CK'D BY HP 1-17-67
PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VERMONT DEPT HIGHWAYS
JOB NO. 66-1265
SHEET NO. 29
HOLES 15/16 ⌀
SCALE 1/8" HITCH
PAINT RL (VF SPEC) & AS NOTED
PRINT RECORD
NO. FOR DATE
3 APP 1-18
1 SHOP 1-18
4 SHOP 2-17
2 STATE 2-28
1 W.W.W 5-18


ONE-G4A
96 PLATE GIRDER
88-5 15/16
30-9 7/8
1-10 1/2
21-10 1/2
41-10 9/16
61-10 5/8
81-10 11/16
13-4 7/16
3-1 7/8
DIM TAKEN ALONG BASE LINE
4-BOLTS
SEE NOTE A
TYP. FLANGE TO WEB
NOTE A: Gouge after fitting welds shall be prepared by putting two (2) plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner plate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded. All welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.
SLOPE UP TYP.
HOLES IN TYP.
SL HOLES
CLIP TO FLG.
NO PRINT ON TOP FLG.
TYP FLG TO WEB WELD
SPLICE
BASE LINE
BOTTOM OF FL.
2-BOLTS
GRIND TO GEAR
SECTION BB
ENLARGE VIEW OF SPLICE
SECTION AA
20-0 7/8
48-5 9/16
20-0 3/8
7-11 9/16
22-10
88-5 15/16 SPLICE TO SPLICE (88-6 5/16 UNDER DEAD LOAD)
29-6 9/16 ℄ BRG TO SPLICE (29-11 1/16 UNDER DEADLOAD)
MATCH TYPICAL HOLES TO PLATE EL OF DWG #1
SPLICE NOTE
MATCH TO G4 ON SHT #25
NOTE
CLIP 1x1 ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PRINT WITHIN 3'0 OF ALL HOLES
CAMBER DIAGRAM
88-6 3/16
SHOP INSPECTION
BY GREEN
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ. S-0167(3)
PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VERMONT DEPT HIGHWAYS
JOB NO. 66-1265
SHEET NO. 30
DRAWN BY HJM 1-5-67
CKD BY HP 1-17-67
HOLES 13/16" DIA. PUNCH 3/4" DIA. HITEN
RIVETS AS NOTED
PRINT RECORD
NO. 3 FOR APP DATE 1-18
NO. 1 FOR SHOP DATE 1-18
NO. 1 FOR SHOP DATE 2-17
NO. 2 FOR STATE DATE 2-28
NO. 1 FOR WWW DATE 5-17



TYP. FLANGE PL WELD
SEE NOTE A B-UGAF-3
NOTE A: Gouge after fitting welds shall be prepared by putting two (2) Rates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner Rate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded; all welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.
SLOPE DOWN TYP
HOLES IN PL TYP
4-BOLTS
48-0½
ONE G5A
96 PLATE GIRDER
87-11⅝
14 SPACES @ 6.0 = 84.0
4 SPACES 6.0 = 24.0
NOTE 5-6 TO CLEAR SPLICE
DIM. TAKEN ALONG BASE LINE
NO PAINT ON TOP FLG
2-BOLTS
S.N.S.
BASE LINE
BOTTOM OF PL
TYP FLG PL WELD
GRIND TO BEAR
SECTION BB
ENLARGE VIEW OF SPLICE PL
SECTION A-A
47-11¼
MATCH THESE HOLES TO PLATE E2 ON DWG A1
87-11⅝ SPLICE TO SPLICE (88-0 UNDER DEAD LOAD)
87-11⅝
BEARING
SPLICE NOTE
MATCH TO G5 ON SHT# 26
NOTE
CLIP 1x1 ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES
CAMBER DIAGRAM
SHOP INSPECTION
BY GREEN
REV 2-24-67 RLM
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ # S-0167-(3)
REV PER APP 2-10-67 HP
DRAWN BY RLM 1-5-67
CK'D BY HP 1-17-67
PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VERMONT DEPT HIGHWAYS
JOB NO. 66-1265
SHEET NO. 31
HOLES 15/16 HITEN
BOLTS 7/8 HITEN
PAINT RL (VT SPEC) & AS NOTED
PRINT RECORD
NO. FOR DATE
3 APP 1-18
1 SHOP 1-18
4 SHOP 2-17
2 STAFF 2-28
1 W.W.W. 5-18



ONE ~ CROSS FRAME ~ CF7

PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (50)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ CF7 CROSS FRAME				
1	pa32	15 LI 33.9	6	11 11/16	RES @ 60-0	237
1	pb32	PL 16 x 5/8	2	0	ORD 888875 @ 30-0	
1	pc32	do	1	3		
1	pk32	do	2	0		183
1	pd32	L 5 x 3 1/2 x 5/8	8	1 15/16	RES @ 40-0	
1	pf32	do	8	9 3/8		
1	pg32	do	6	10 9/16		248
1	ph1	PL 5 x 5/8	0	8	STK	7
1	pm32	PL 16 x 5/8	1	3	ORD 888875 @ 30-0	44
		1/4 S WELD	11	0		~~3~~ 2
		5/16 S WELD	7	0		~~3~~ 2
						~~725~~ 723

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ # S-0167(3)

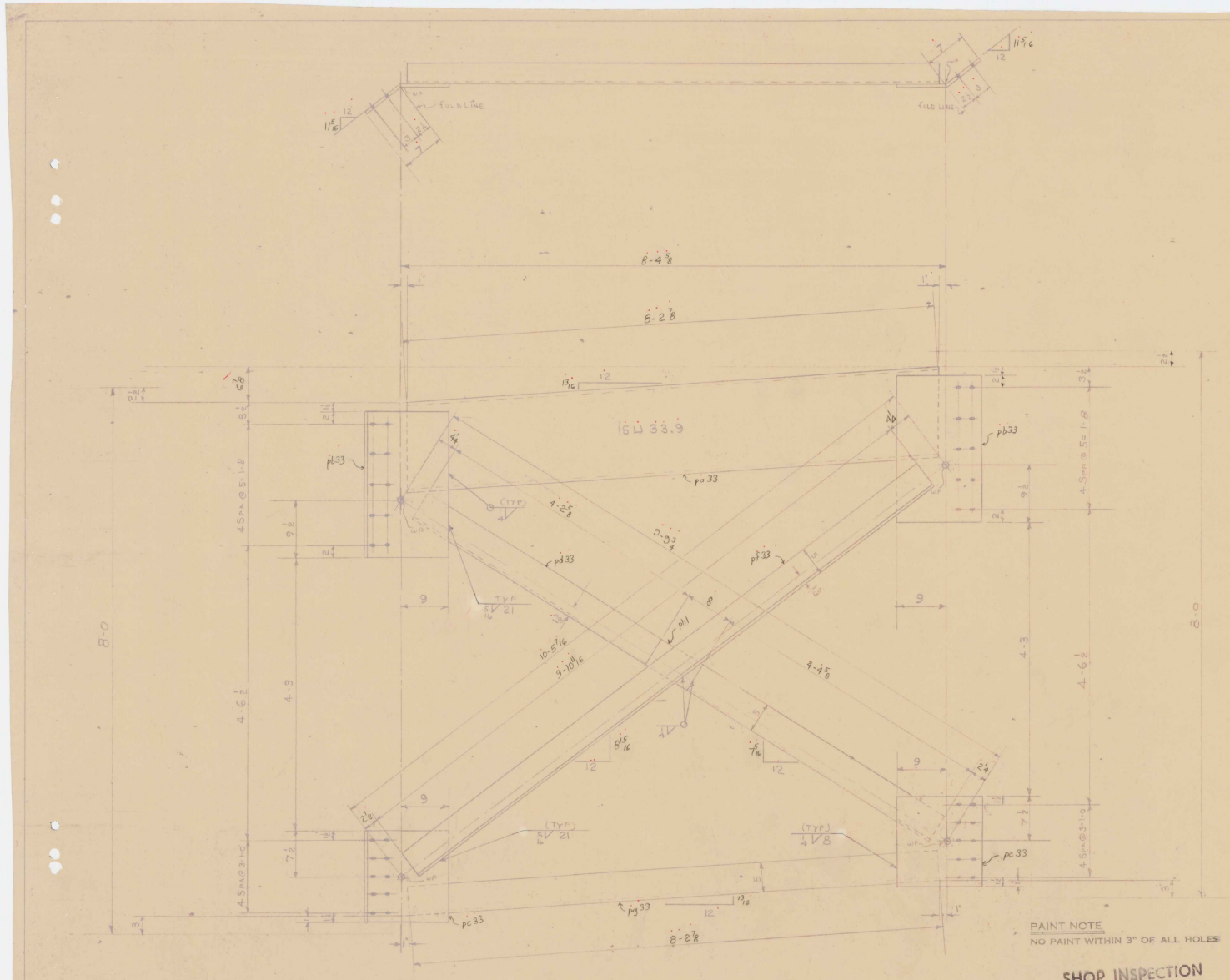
		DATE
DRAWN BY	RLM	12-31-66
CK'D BY	HP	2-1-67

HOLES 15/16 HOLES
ROLLS
PAINT RL (VT SPEC)

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HWYS
JOB NO. 66-1265 SHEET NO. 32

PRINT RECORD

NO.	FOR	DATE
3	APP	2-1
1	SHOP	2-7
6 (1)	SHOP STATE	3-1
1	W.W.W	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL

(50)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		2 - CF8 CROSS FRAME				
2	pa33	15 WJ 33.9	8	3 3/8	REQ'D 60-0	564 ✓
4	pb33	PL 16 x 3/8	2	0	} ORD RRQ5575 @ 39-8	
4	pc33	do	1	3		451
2	pd33	L 5 x 3 1/2 x 3/8	3	3 1/4	} REQ'D 40-0	
2	pf33	do	3	10 11/16		
2	pg33	do	8	2 3/8		570 ✓
2	ph1	PL 5 x 5/8	0	8	STK.	14 ✓
		1/2 S WELD	22	0		6 ✓
		5/16 S WELD	14	0		5 ✓
						~~1610~~ 1607

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ. S-0167(3)

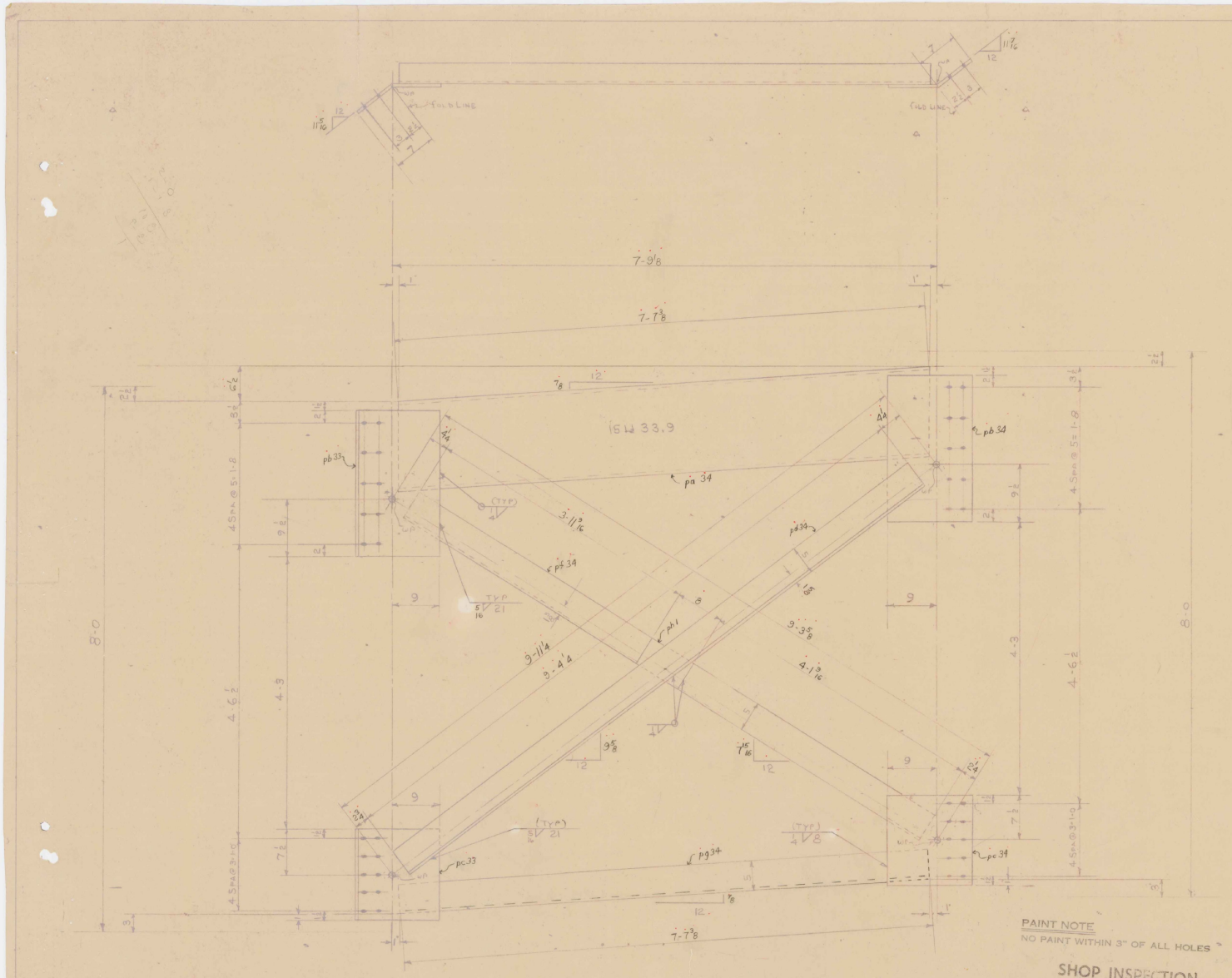
		DATE
DRAWN BY	RLM	12-1-66
CKD BY	HP	2-1-67

PROJECT VERMONT RTE 100
LOCATION MCKETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HWYS
JOB NO. 66-1265 SHEET NO. 33

HOLES FOR HOLES
BOLTS
PAINT RL (VT SPEC.)

PRINT RECORD

NO.	FOR	DATE
3	APP.	2-1
1	SHOP	4-7
60	SHOP SEPR.	3-1
1	W&H	5-18



ONE ~ CROSS FRAME ~ CF9

PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (50)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ CF9 CROSS FRAME				
1	pa34	15 ⊔ 33.9	7	8 1/2	RES @ 60-0	261 ✓
1	pb33	PL 16 x 5/8	2	0	ORD 888875 @ 30-0	
1	pc33	do	1	3		
1	pb34	do	2	0		183 ✓
1	pd34	L 5 x 3 1/2 x 3/8	9	4 1/4	RES @ 40-0	
1	pf34	do	8	9 1/8		
1	pg34	do	7	7 3/8		268 ✓
1	ph 1	PL 5 x 5/8	0	8	STK	7 ✓
1	pc34	PL 16 x 5/8	1	3	ORD 888875 @ 30-0	44 ✓
		1/4 ⌀ WELD	11	0		~~3~~ 2
		5/16 ⌀ WELD	7	0		~~3~~ 2
						~~769~~ ✓
						767

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

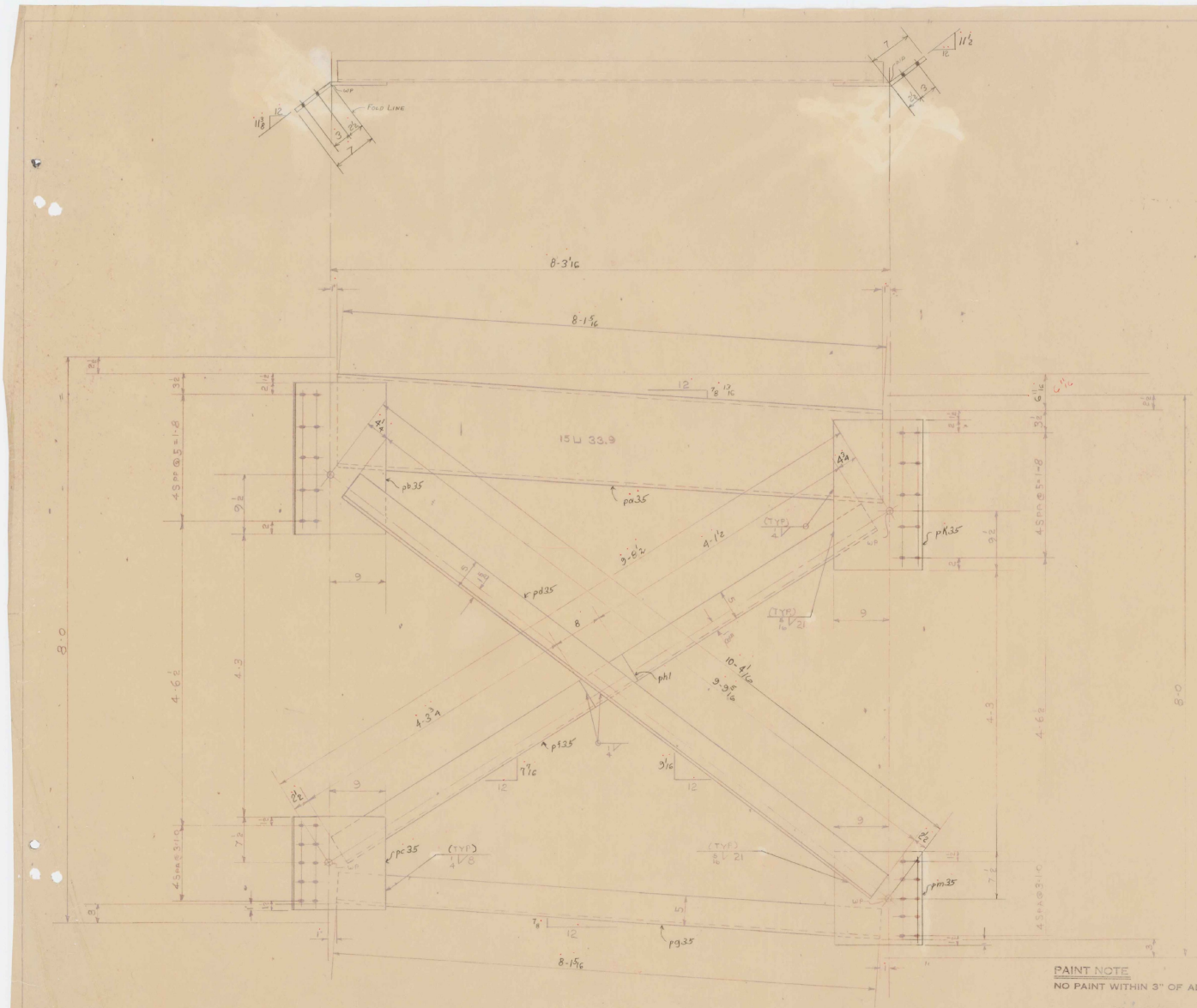
PROJ# S-0167(3)

		DATE
DRAWN BY	RLM	12-31-66
CK'D BY	HP	2-1-67

HOLES 15/16 ⌀ HOLES
BOLTS
PAINT RL (VT SPEC)

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VERMONT DEPT OF HWYS
JOB NO. 66-1265 SHEET NO. 34

PRINT RECORD NO.	FOR	DATE
3	APP	2-1
1	SHOP	2-7
6	SEND STRM	3-1
1	WWW	5-18



ONE ~ CROSS FRAME ~ CF10

PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (5a)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
ONE ~ CF10 CROSS FRAME						
1	pa35	15 LI 33.9	8	2 7/16	KEG @ 60-0	278 ✓
1	pb35	PL 16 x 5/8	2	10	} ORD BR8875 @ 30-0	
1	pc35	do	1	3		113 ✓
1	ph1	PL 5 x 5/8	0	8	STK	7 ✓
1	pd35	∠ 5 x 3 1/2 x 3/8	3	9 5/16	} KEG @ 40-0	
1	pf35	do	3	1/4		
1	pg35	do	8	1 5/16		281 ✓
1	pk35	PL 16 x 5/8	2	0	} ORD BR8875 @ 30-0	
1	pm35	do	1	3		113 ✓
		1/4 WELD	11	0		3 ✓
		5/16 WELD	7	0		3 ✓
						798 ✓
						T96

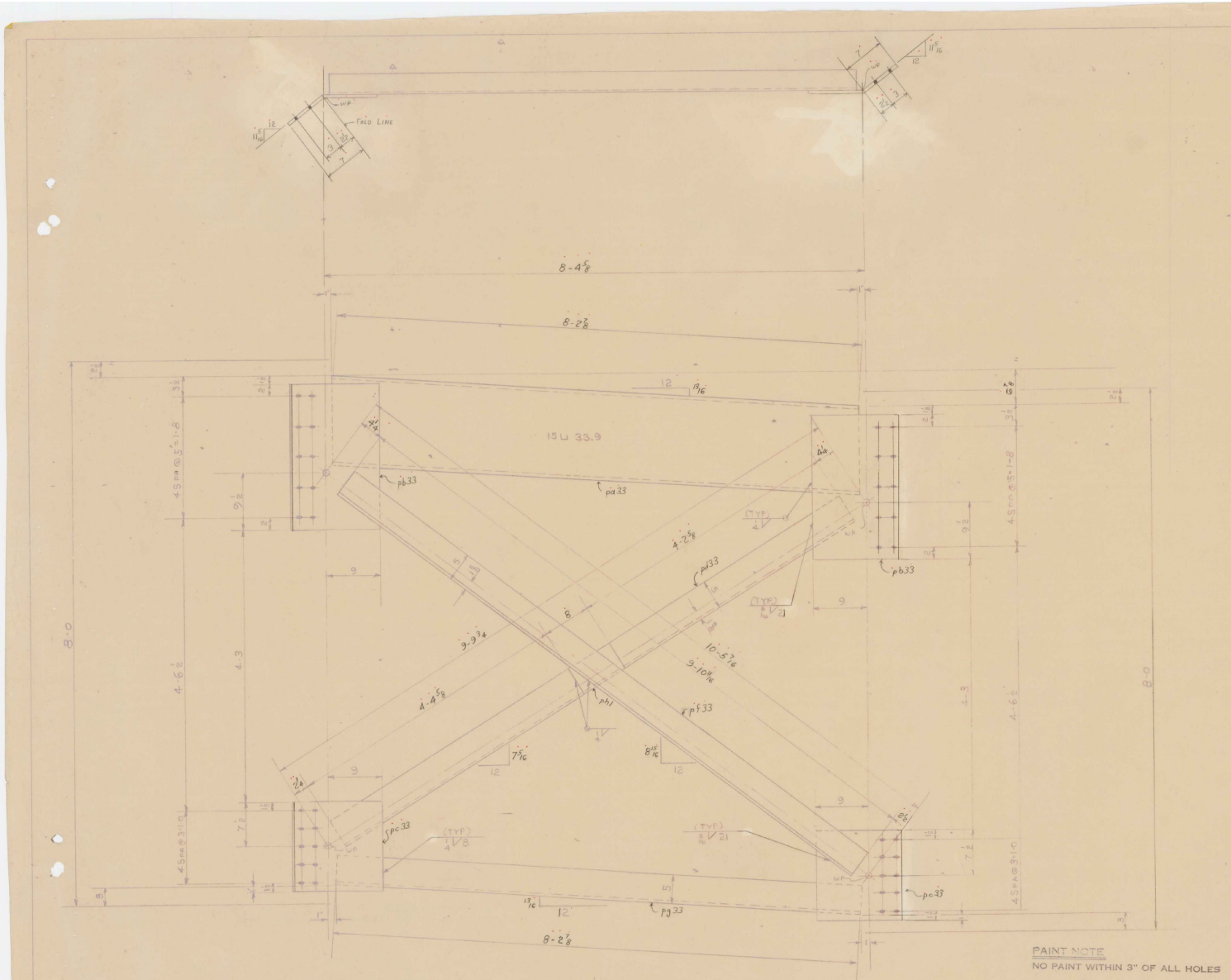
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. Proj.# S-0167 (3)

		DATE
DRAWN BY	RJM	12-7-66
CK'D BY	HP	2-1-67
HOLES	TC	
ROUTE PAINT	R.L. (VT Spec.)	

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-12.65 SHEET NO. 35

PAINT RECORD

NO.	FOR	DATE
3	APP	2-1
1	SHOP	3-7
GO	SHOP STAGE	3-1
1	WWW	5-18



PAINT NOTE

NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION BY GMERRY

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (50)

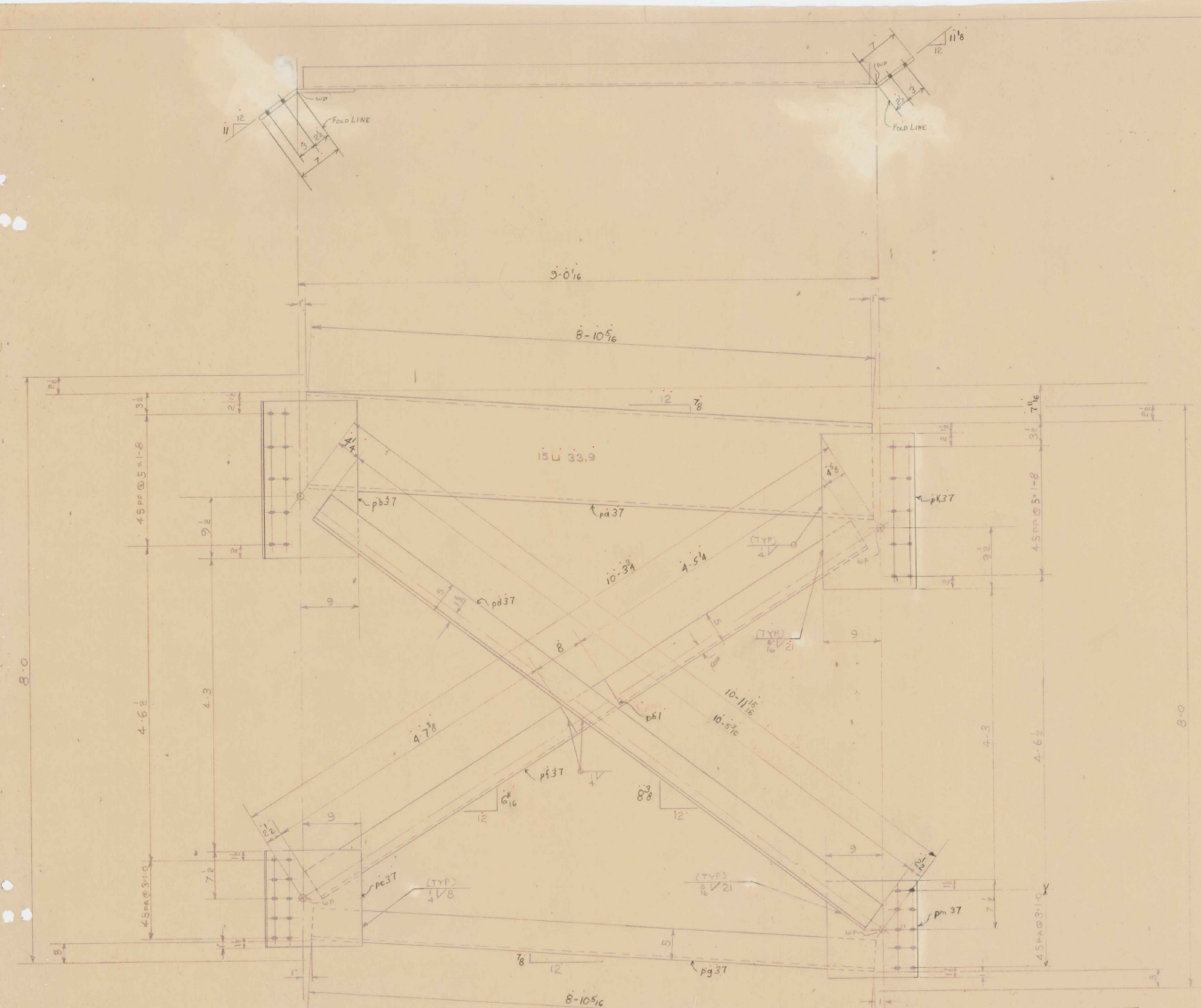
NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		2 ~ CF11 CROSS FRAMES				
2	pa33	15 LI 33.9	8	3⅞	Rec'd 60-0	564
4	pb33	PL 16 x ⅝	2	0	3 @ 22 5/8	451
4	pc33	do	1	3	3 @ 30-0	
2	ph1	PL 5 x ⅝	0	0	Stk	14
2	pd33	∠ 5" x 3½" x ⅜	9	3¼		
2	pf33	do	9	10 11/16	2 @ 45 10-0	
2	pg33	do	8	2⅞		570
		⅜ WELD	22	0		6 1
		5/16 WELD	14	0		5 1
						1618
						1007

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ. S-0167 (3)

		DATE
DRAWN BY	R.L.M.	12-31-66
CKD BY	HP	3-1-67
HOLES	13/16	
ROUTS		
PAINT	R.L. (VT Spec)	

PROJECT VERMONT RTE 100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT. DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 36

PRINT RECORD NO.	FOR	DATE
3	DPR	2-1
1	SHOP APPR	2-7
6D	SHOP	3-1
1	W W W	5-18



ONE ~ CROSS FRAME ~ CF12

PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GARRAL

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (50)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ CF12 CROSS FRAME				
1	pa37	15 ⊔ 33.9	8	11 7/16	RES @ 60-0	304 ✓
1	pb37	PL 16 x 5/8	2	0	ORD 888875 @ 30-0	
1	pc37	do	1	3		113 ✓
1	ph1	PL 5 x 5/8	0	8	STK	7 ✓
1	pd37	∠ 5 x 3 1/2 x 3/8	10	5 3/16	RES @ 40-0	
1	pf37	do	9	8 5/8		
1	pg37	do	8	10 5/16		302 ✓
1	pk37	PL 16 x 5/8	2	0	ORD 888875 @ 30-0	
1	pm37	do	1	3		113 ✓
		1/4 S WELD	11	0		~~3~~ 2
		5/16 S WELD	7	0		~~3~~ 2
						~~845~~ 843

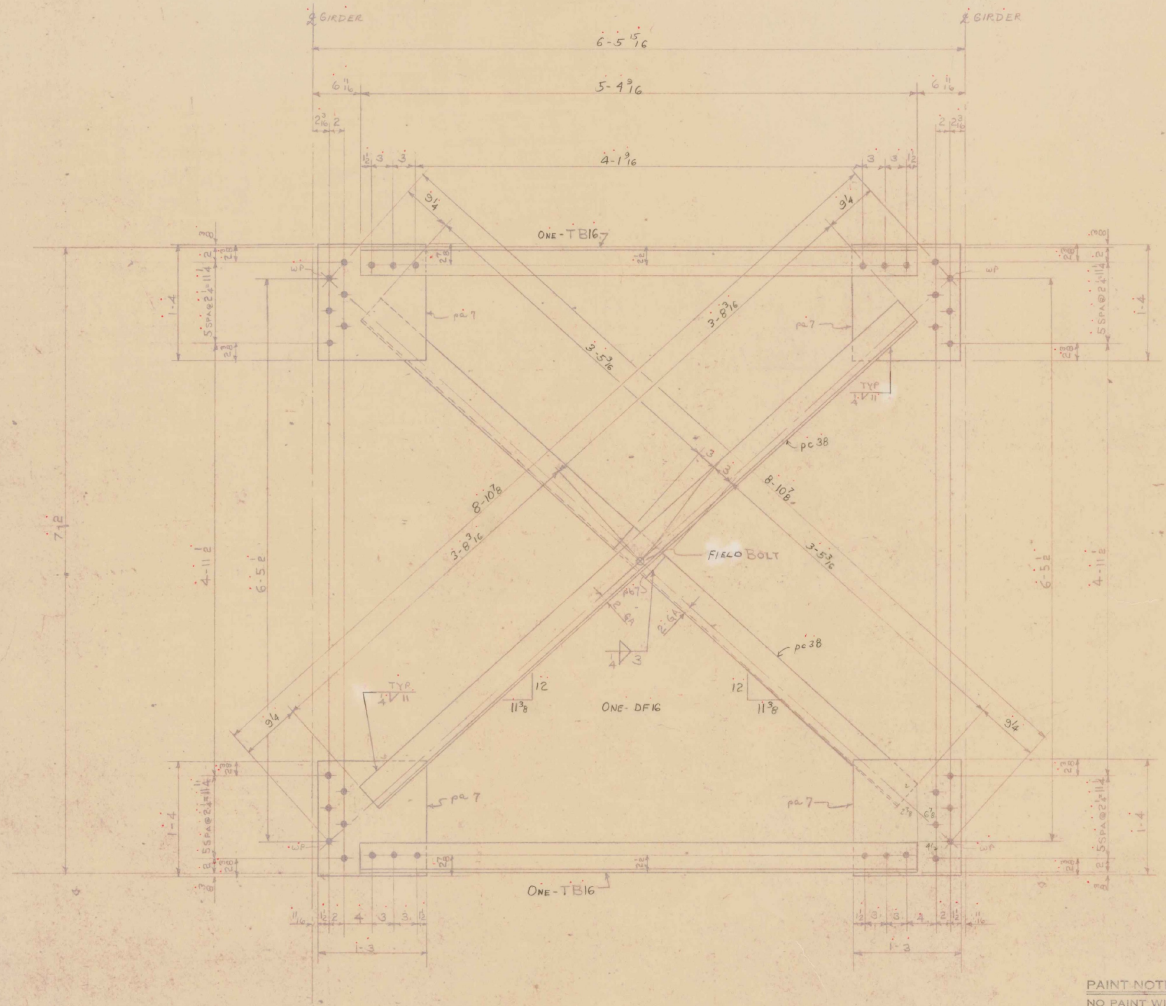
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ # S-0167 (3)

		DATE
DRAWN BY	RLM	12-31-66
CK'D BY	HP	2-1-67

PROJECT: VERMONT RTE #100
LOCATION: MORETOWN VERMONT
CUSTOMER: W.W. WYMAN
ARCHITECT: STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 37

WELDS 15/16 SQ
BOLTS
PAINT RL (VT SPEC)

PRINT RECORD NO.	FOR	DATE
3	APP	2-1
1	SHOP	2-7
6	STAFF SHOP	3-1
1	WWW	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Greeley

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT	LENGTH IN	WEIGHT
		ONE ~ DF16 DIAGONAL FRAME			
4	PC 7	PL 15 x 3/8	1'	4'	107 ✓
1	PC 7	BAR 4 x 3/8	0'	6'	3 ✓
1		3/4" HI TEN BOLT W/ WASHERS	0'	2 4	1 ✓
2	PC 38	L 4 x 4 x 5/16	7	4 3/8	121 ✓
		2 ~ TB16 TOP & BOTTOM ANGLES			
2	TB16	L 4 x 4 x 5/16	5	4 7/16	88 ✓
		1/4 WELD	4	2	1 ✓
					322 ✓

ASTM-A36

BILL OF MATERIAL

(52)

JOB NO. SHEET NO.

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

Rev. Rep. Add 2-23-67HF

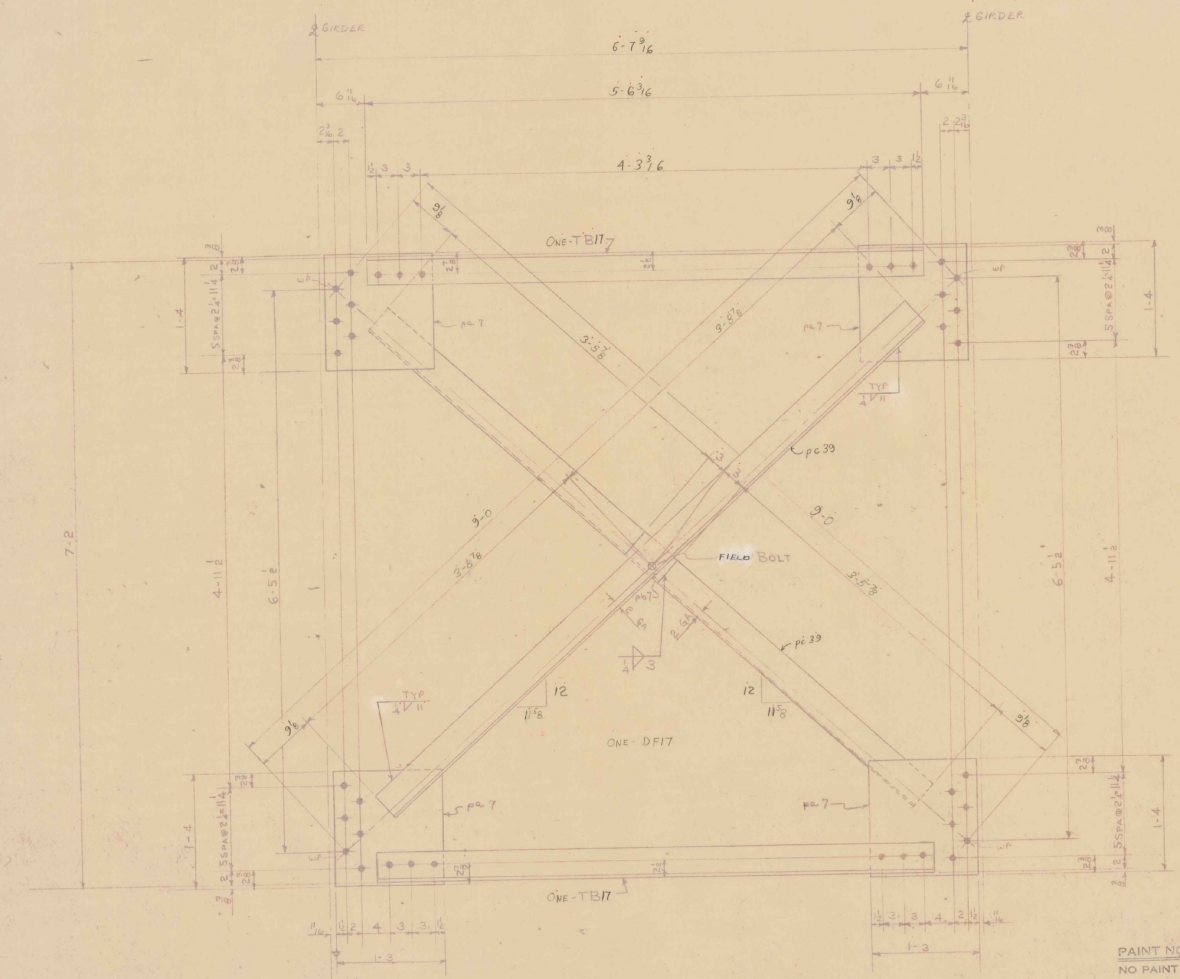
Parts* 1-067(3)

		DATE
DRAWN BY	RLM	12-30-66
CHK'D BY	HF	2-1-67

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 666-12(6) SHEET NO. 38

PRINT RECORD

NO.	FOR	DATE
3	APP	2-1
1	SHOP	2-7
60	ERECT SHOP	3-1
1	WWW 518	



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

(52)

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
	ONE	~DF17				
		DIAGONAL FRAME				
4	pa7	PL 15 x 3/8	1	4	RCS @ 12-8 & 13-8	107
1	pb7	BAR 4 x 3/8	0	6	OLD @ 50-0 US 88853	3
1		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1
						1
2	pc39	∠ 4 x 4 x 5/16	7	5 3/4	ORD @ 50-0 & 60-0 B88864	123
		2 ~ TB17				
		TOP & BOTTOM ANGLES				
2	TB17	∠ 4 x 4 x 5/16	5	6 9/16	ORD @ 50-0 & 60-0 B88864	91
		1/4 S WELD	4	2		1

327

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ# 1-067(3)

REV. REM. APP 2-23-67 HP

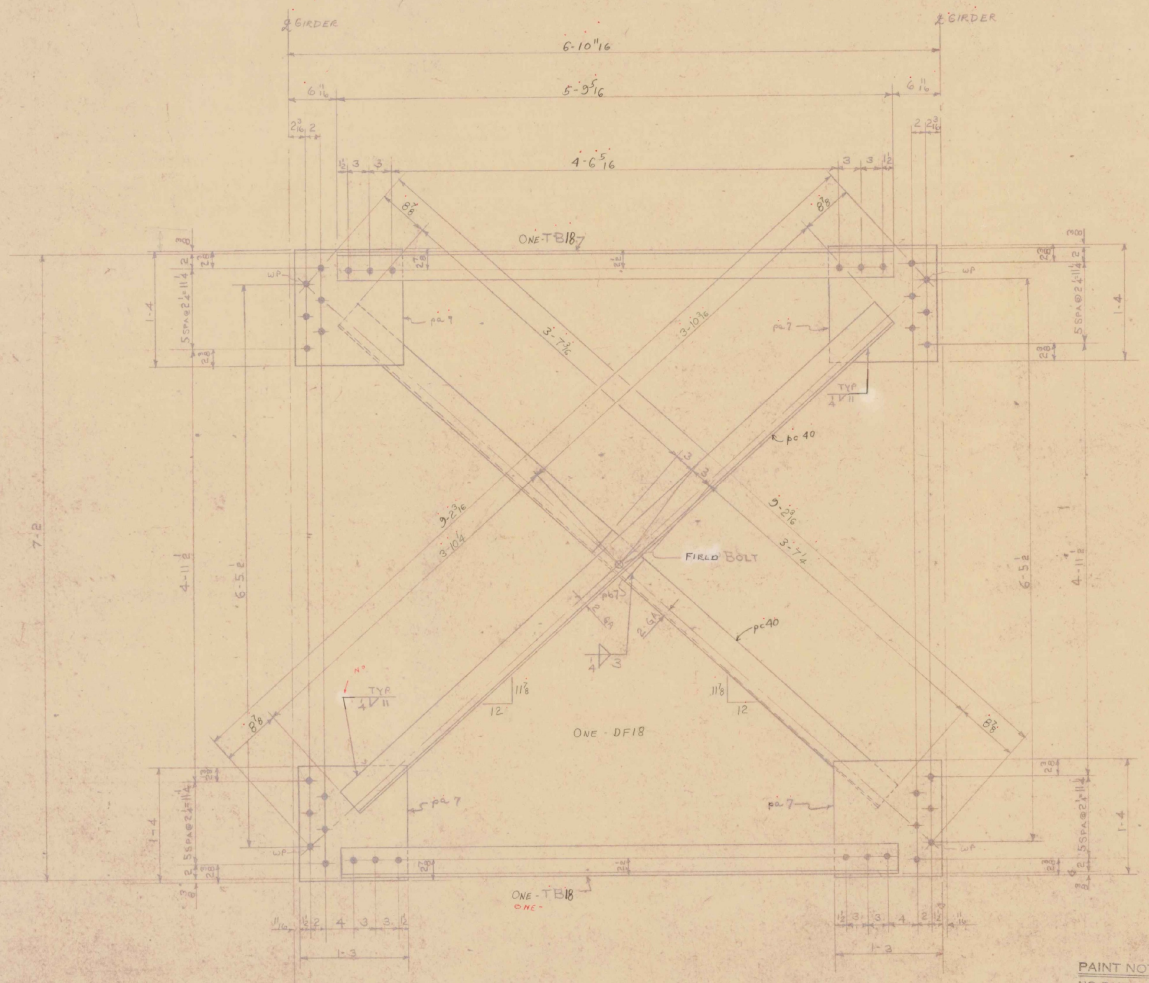
		DATE
DRAWN BY	RLM	12-30-66
CK'D BY	HP	2-1-67

HOLES 15/16
BOLTS
PAINT R.L. (VT SPEC)

PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 39

PRINT RECORD

NO.	FOR	DATE
3	APP	2-1
1	SHOP	2-7
6 (1)	SHOP STAT	3-1
1	W.W.W.	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
	ONE	~DF18				
		DIAGONAL FRAME				
4	pc 7	PL 15 x 3/8	1	4	REQ'D 12-3 DRG # 10-8 WS 80853	107
1	pc 67	BAR 4 x 3/8	0	6	DRG # 80853	3
1		7/8" HI TEN BOLT W/ WASHERS	0	24	STK.	1
2	pc 90	L 4 x 4 x 5/16	7	8 1/16	DRG # 80010 & 80013 80864	126
		2 - TB18 TOP & BOTTOM ANGLES				
2	TB18	L 4 x 4 x 5/16	5	3 5/16	DRG # 80013 & 80010 80864	95
		1/4 S WELD	4	2		1
						334

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ. NO. 1-067(3)

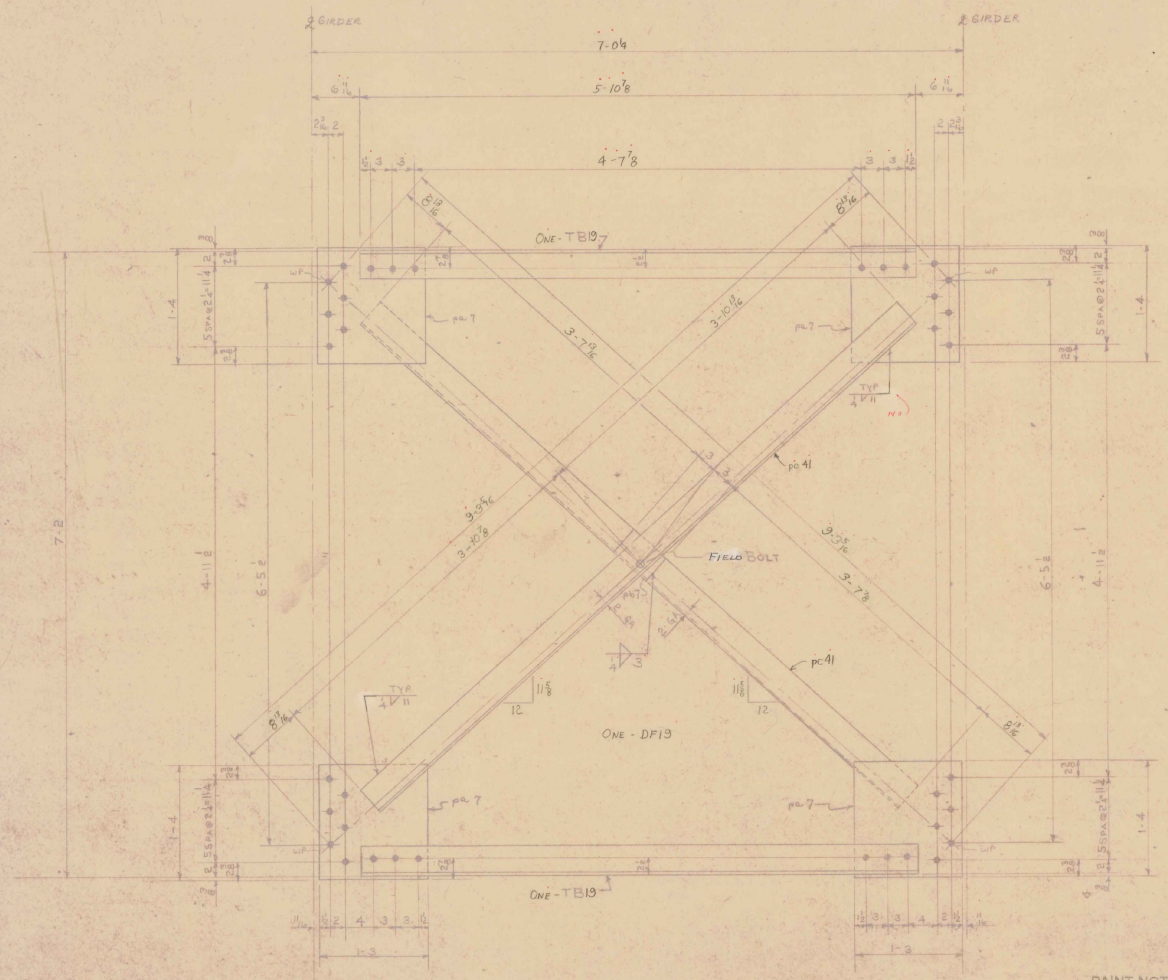
REV. PER. APP. 2-21-67 HP

		DATE
DRAWN BY	RLM	12-30-66
CHK'D BY	HP	2-1-67
ISSUED		
POSTED		
FILED	R.L. (V+S Spec.)	

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 660-1266 SHEET NO. 40

PRINT RECORD

NO.	FOR	DATE
3	APP.	2-1
1	SHOP	2-7
CD	SHOP STATE	5-1
1	WWW	5-18



PAINT NOTE

NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION

BY GRECO

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
	ONE ~DF19	DIAGONAL FRAME					
4	pc 7	PL 15 x ⅜	1	4	RCSE 15-0 1123	107	/
1	pc 7	BAR 4 x ⅜	0	6	RCSE 15-0 1123	3	/
1		⅞ HI TEN BOLT W/ WASHERS	0	2¼	STK	1	/
2	pc 41	L 4 x 4 x ⅝	7	3⅛	6TCS 50-0 & 50-0 B88864	128	/
		2 ~ TB19 TOP & BOTTOM ANGLES					
2	TB19	L 4 x 4 x ⅝	5	10½	6TCS 50-0 & 50-0 B88864	97	/
		¼ S WELD	1	2		1	/
						338	

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

Rev Per 1977 2-23-67 HP

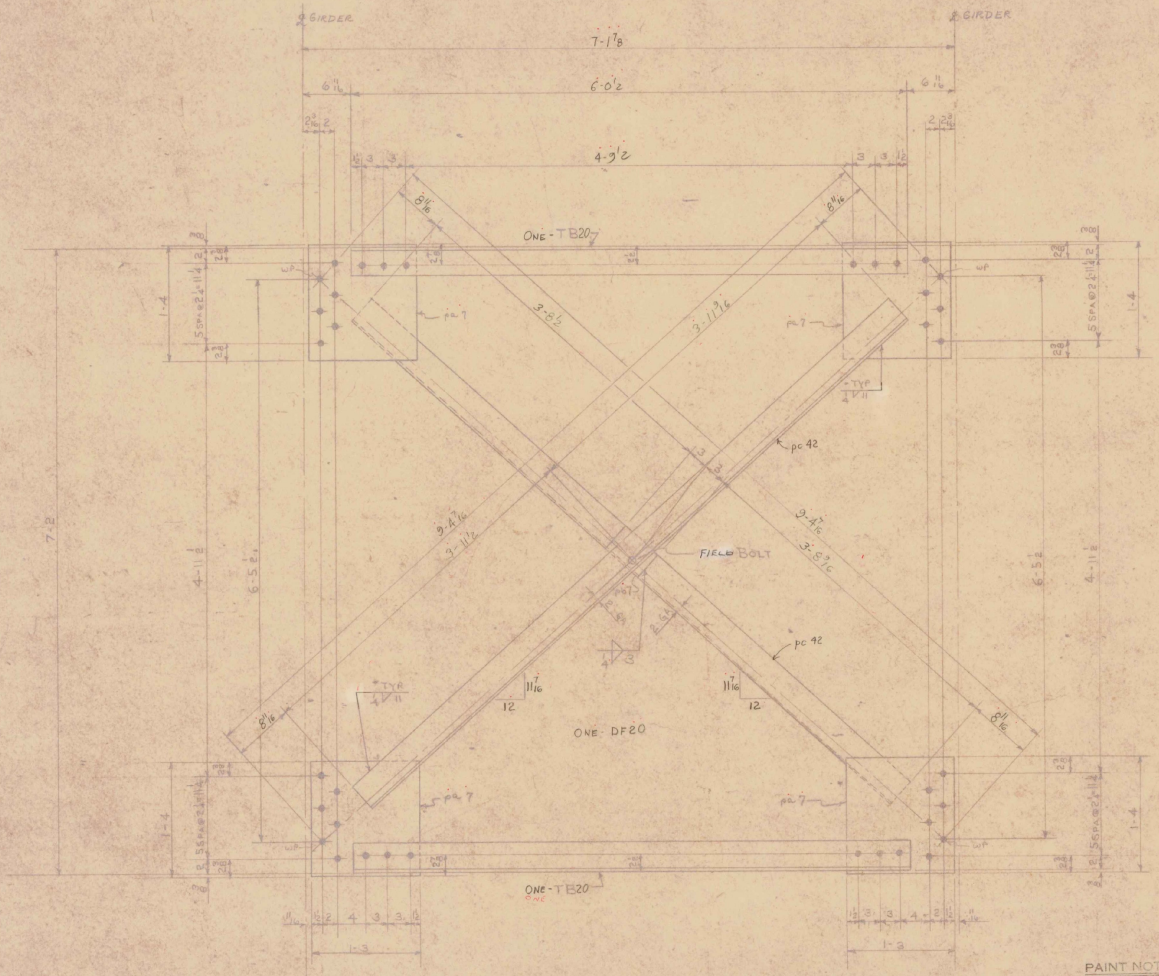
DRAWN BY RLM 12-1-66
CHECKED HP 2-1-67
NOSE 1⅝ in
FOOTS
FILING L (4 Spls)

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 660-12.65 SHEET NO. 41

FABR. 1-067(3)

PAINT RECORD

NO.	FOR	DATE
3	SHOP	2-1
1	SHOP & FIELD	4-7
60	STOCK	3-1
1	WWW	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

(52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE ~ DF20 DIAGONAL FRAME					
4	pa 7	PL 15 x 3/8	1	4	REQ @ 12-0 & 12-8	107	✓
1	pb 7	BAR 4 x 3/8	0	6	REQ @ 12-0 & 88B53	3	✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1	✓
						1	✓
2	pc 42	∠ 4 x 4 x 5/16	7	11 1/16	GRD @ 50-0 & 60-0 B88B64	130	
		2 ~ TB20 TOP & BOTTOM ANGLES					
2	TB20	∠ 4 x 4 x 5/16	6	0 1/2	GRD @ 50-0 & 60-0 B88B64	99	✓
		1/4 ⅝ WELD	4	2		1	✓
							342

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ. PRA. APP. 3-23-67 HP

PROJ. 1-067(3)

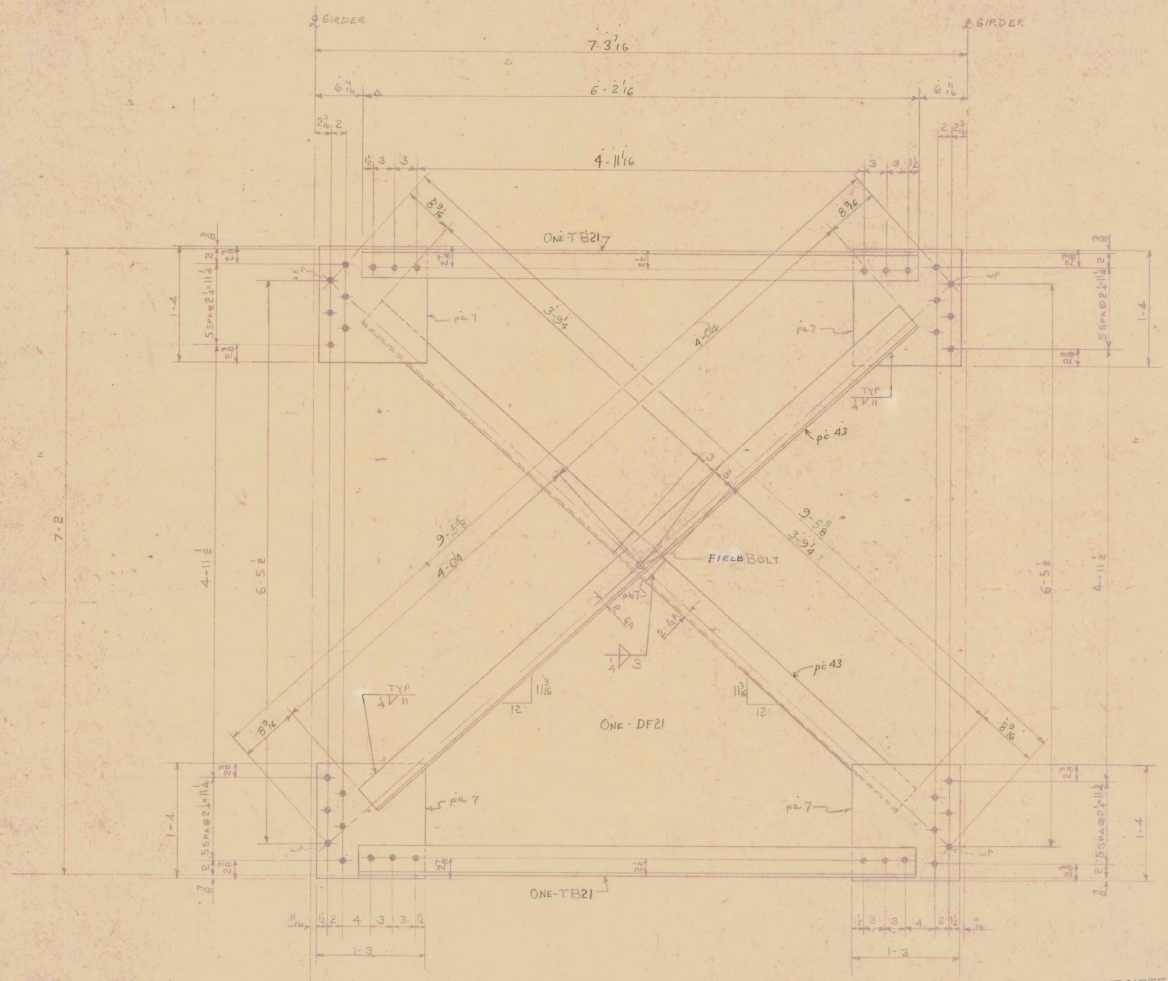
		DATE
DRAWN BY	RLM	12-1-66
CK'D BY	HP	2-1-67

HOLES 1/8" 3/16"
BOLTS
PAINT RL (V-SPEC)

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF V. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 42

PAINT RECORD

NO.	FOR	DATE
3	APP	2-1
1	SHOP	2-7
6	STATE SHOP	3-1
1	WWW	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE - DF21				
		DIAGONAL FRAME				
4	PC 7	PL 15 x 3/8	1'	4"	REQ'D 12-0	107
1	PC 7	BAR 4 x 3/8	0'	6"	REQ'D 4-0	3
1		7/8" HI TEN BOLT W/ WASHERS	0	24	STK	1
2	PC 43	L 4 x 4 x 5/16	8'	0"	REQ'D 2-0 & 6-0	132
		2 - TB21 TOP & BOTTOM ANGLES				
2	TB21	L 4 x 4 x 5/16	6'	2 1/16	REQ'D 2-0 & 6-0	101
		1/4 S WELD	4'	2		1
						346

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (52)

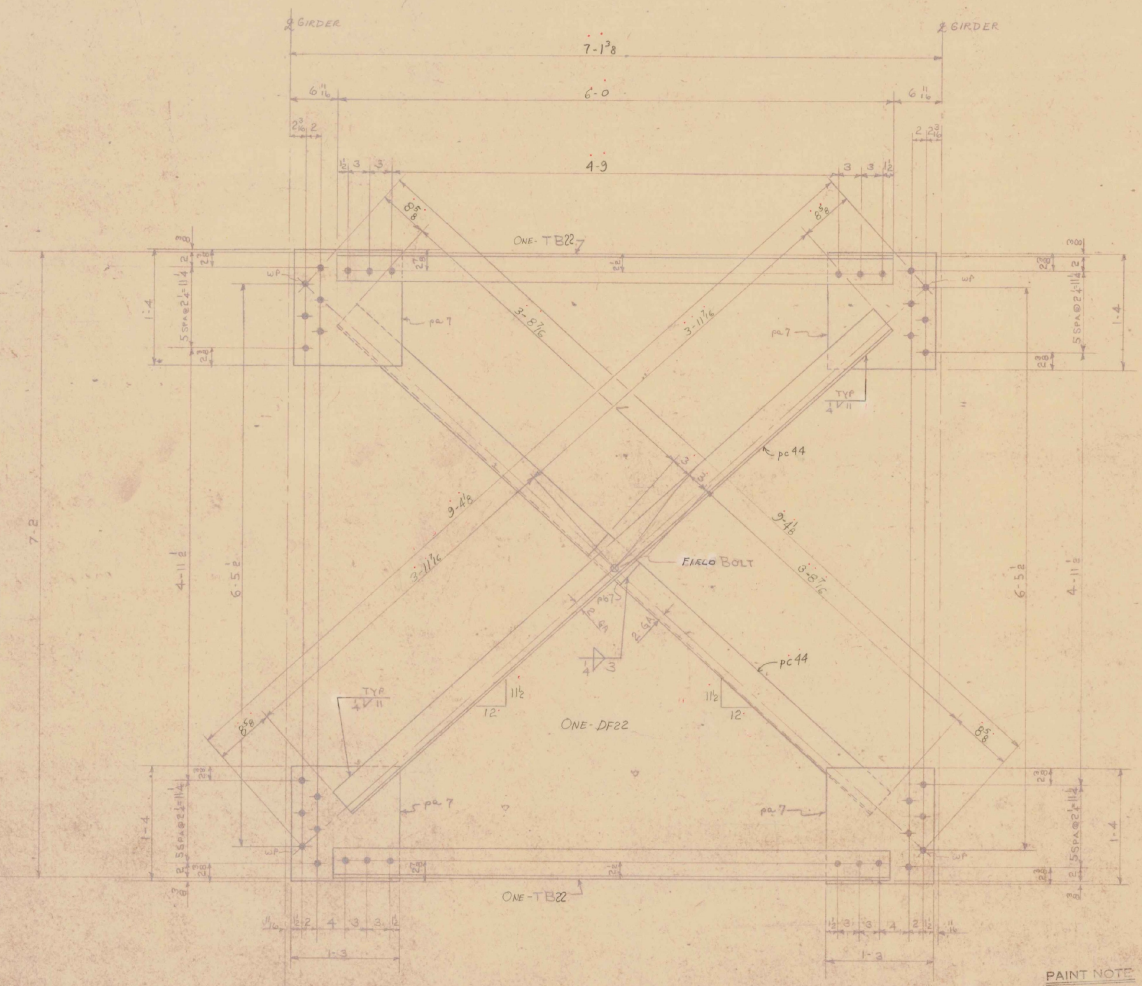
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ. NO. 1-067(3)

REV. PER APP 2-28-67 HP

		DATE
DRAWN BY	RLM	12-1-66
CKD BY	HP	2-1-67

PROJECT VERMONT RTE 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-12-05 SHEET NO. 43

PRINT RECORD		
NO.	FOR	DATE
3	APP	2-1
1	SHOP & STRUC	2-7
60	SHOP	3-1
1	W.W.W	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
	ONE	~DF22					
		DIAGONAL FRAME					
4	pa 7	PL 15" x 3/8	1	4	RES @ 12-0 & 13-8	107	✓
1	pb 7	BAR 4" x 3/8	0	6	OLD BLDG US 88853	3	✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2 1/4	STK	1	✓
						1	✓
2	pc 44	∠ 4" x 4" x 5/16	7	10 7/8	GRD @ 50-0 & 60-0 B88864	130	✓
		2 ~ TB22					
		TOP & BOTTOM ANGLES					
2	TB22	∠ 4" x 4" x 5/16	6	0	GRD @ 50-0 & 60-0 B88864	98	✓
		1/4 S WELD	4	2		1	✓
							341

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ# 1-067(3)

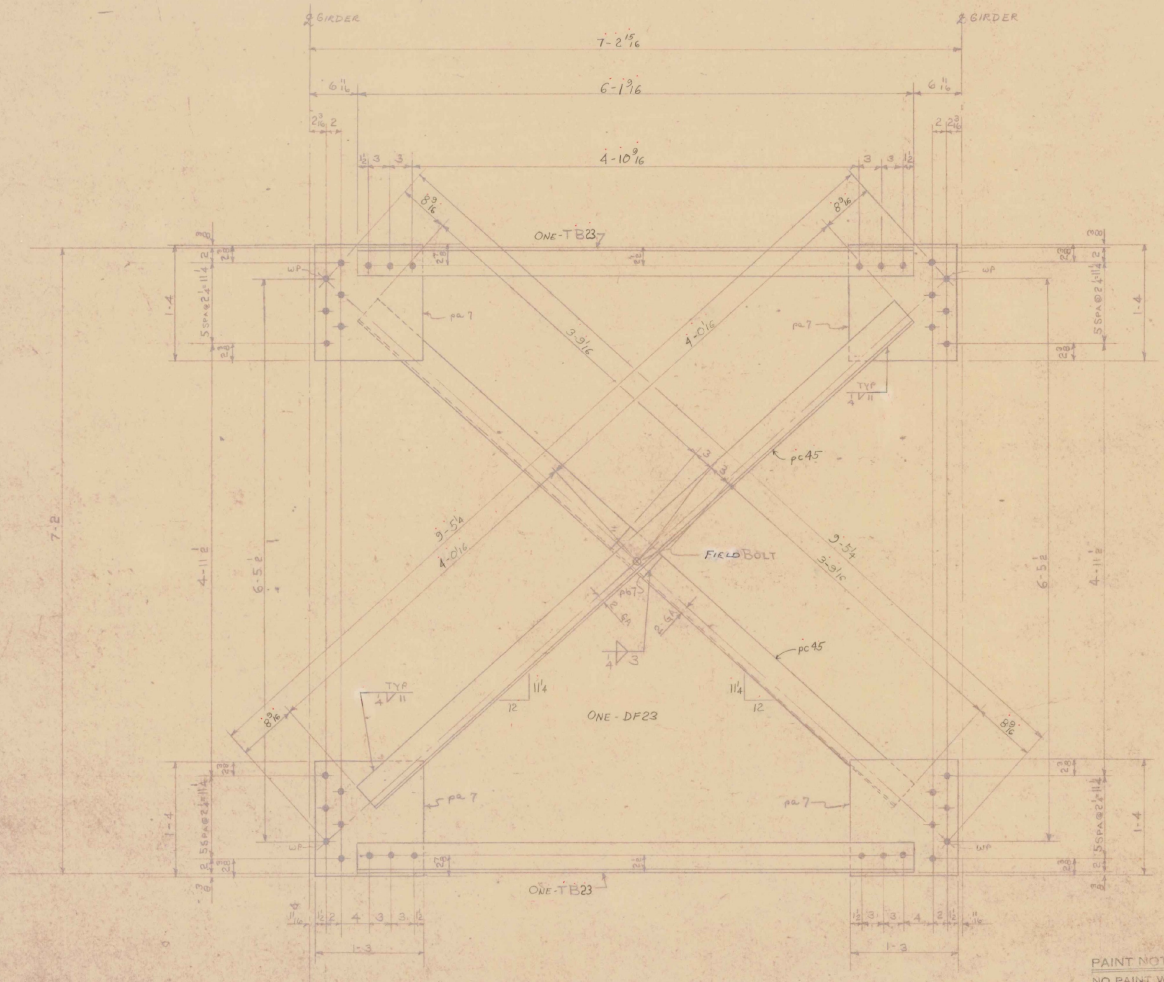
PREV. PER. APP. 2-23-67 HP

		DATE
DRAWN BY	RLM	12-1-66
CK'D BY	HP	2-1-67

HOLES 15/16"
BOLTS
PAINT RL (VT SPEC)

PROJECT VERMONT RTE # 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 44

PRINT RECORD NO.	FOR	DATE
3	APP	2-1
1	SHOP	2-7
6 (1)	STATE SHOP	3-1
1	W.W.W.	5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GRECAL

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
	ONE	~DF23 DIAGONAL FRAME					
4	PC7	PL 15 x 3/8	1	4	PLATES 12-5	107	✓
1	PB7	BAR 4 x 3/8	0	6	PLATES 12-5	3	✓
1		7/8" HI TEN BOLT W/ WASHERS	0	2.4	STK	1	✓
2	PC45	L 4 x 4 x 5/16	8	0 1/2	DETAILED BY BOLTED BY	131	✓
		2 ~TB23 TOP & BOTTOM ANGLES					
2	TB23	L 4 x 4 x 5/16	6	1 9/16	DETAILED BY BOLTED BY	101	✓
		1/4 S WELD	4	2		1	✓
						345	

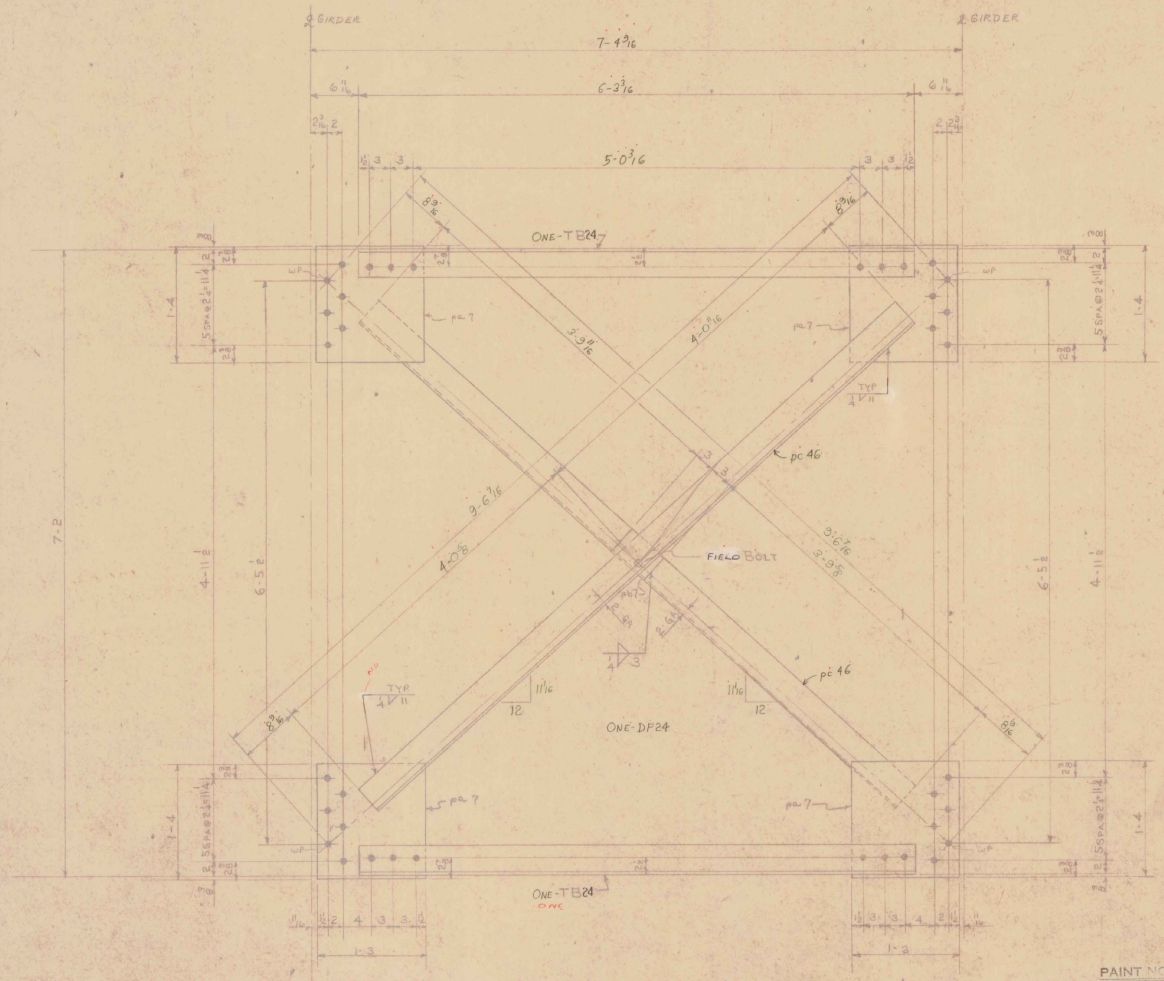
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ. 1067(3)

PREFAB. APP. 2-23-67

		DATE
DRAWN BY	RLM	12-20-66
CHK'D BY	HP	2-1-67
ISSUED		
POSTS PRINTS	R.L. (Vt Spec.)	

PROJECT VERMONT RTE 100 JOG
LOCATION MORETOWN, VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE CPVT. DEPT. OF HIGHWAYS
JOB NO. 6662-12.66 SHEET NO. 45

PRINT RECORD NO.	FOR	DATE
3	APP.	2-1
1	SHOP & FIELD	2-1
60	SHOP	2-1
1		5-18



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY GAILEAL

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH Ft.	LENGTH In.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH Ft.	LENGTH In.		WEIGHT
		ONE ~DF24 DIAGONAL FRAME				
4	pc7	PL 15 x 3/8	1	4	REQ'D 4 pcs	107
1	pc67	BAR 4 x 3/8	0	6	REQ'D 1 pc	3
1		7/8" HI-TEN BOLT W/ WASHERS	0	24	REQ'D 1 SET	1
2	pc46	L 4 x 4 x 5/16	8	1 3/16	REQ'D 2 pcs	133
		2 — TB24 TOP & BOTTOM ANGLES				
2	TB24	L 4 x 4 x 5/16	6	3 3/16	REQ'D 2 pcs	103
		1/8 FILLET WELD	4	2		1

349

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ. 1-0670(3)

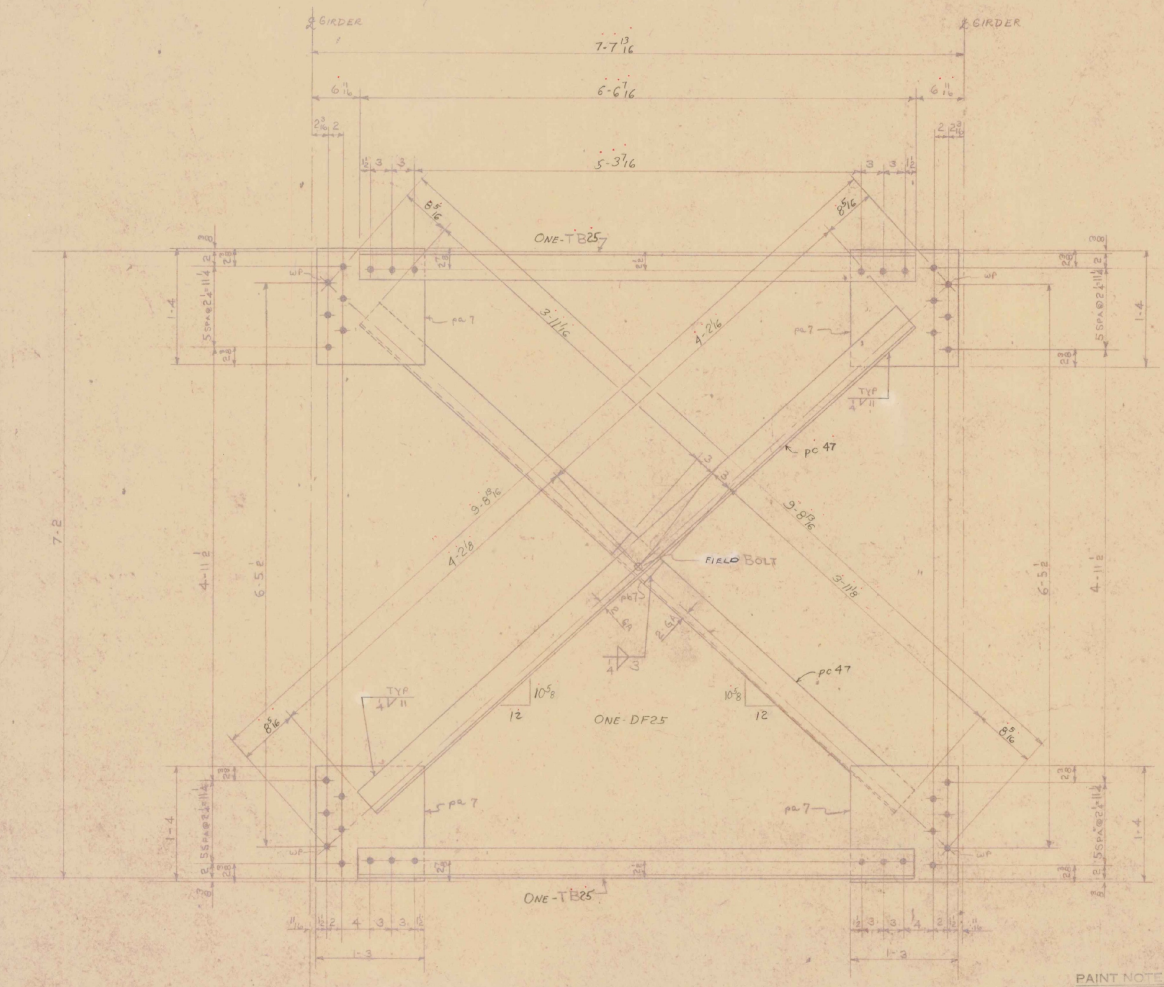
BACK FED APP 2-23-67 HP

		DATE
DRAWN BY	RLM	12-7-66
CK'D BY	HP	2-1-67

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-12.65 SHEET NO. 46

PRINT RECORDS

NO.	TOS	DATE
3	HPP	2-1
1	SHOP DWGS SUBM.	2-1
CD		3-1
1	WWW	5-15



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Q. GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE DF25				
		DIAGONAL FRAME				
4	pc 7	PL 15 x 3/8	1	4	ROLLED FROM A 36 U.S. SPEC'S	107 ✓
1	pc 47	BAR 4 x 5/8	0	6	" " " "	3 ✓
1		5/8" HI TEN BOLT W/ WASHERS	0	24	STK	1 ✓
* 2	pc 47	L 4 x 4 x 5/16	8	4 3/16	ROLLED TO A.S.T.M. SPEC'S A 36	137 ✓
		2 - TB25				
		TOP & BOTTOM ANGLES				
2	TB25	L 4 x 4 x 5/16	6	6 7/16	ROLLED TO A.S.T.M. SPEC'S A 36	107 ✓
		5/16 WELD	4	2		1 ✓
						357

JOB NO. SHEET NO.
ASTM-A36 BILL OF MATERIAL (52)

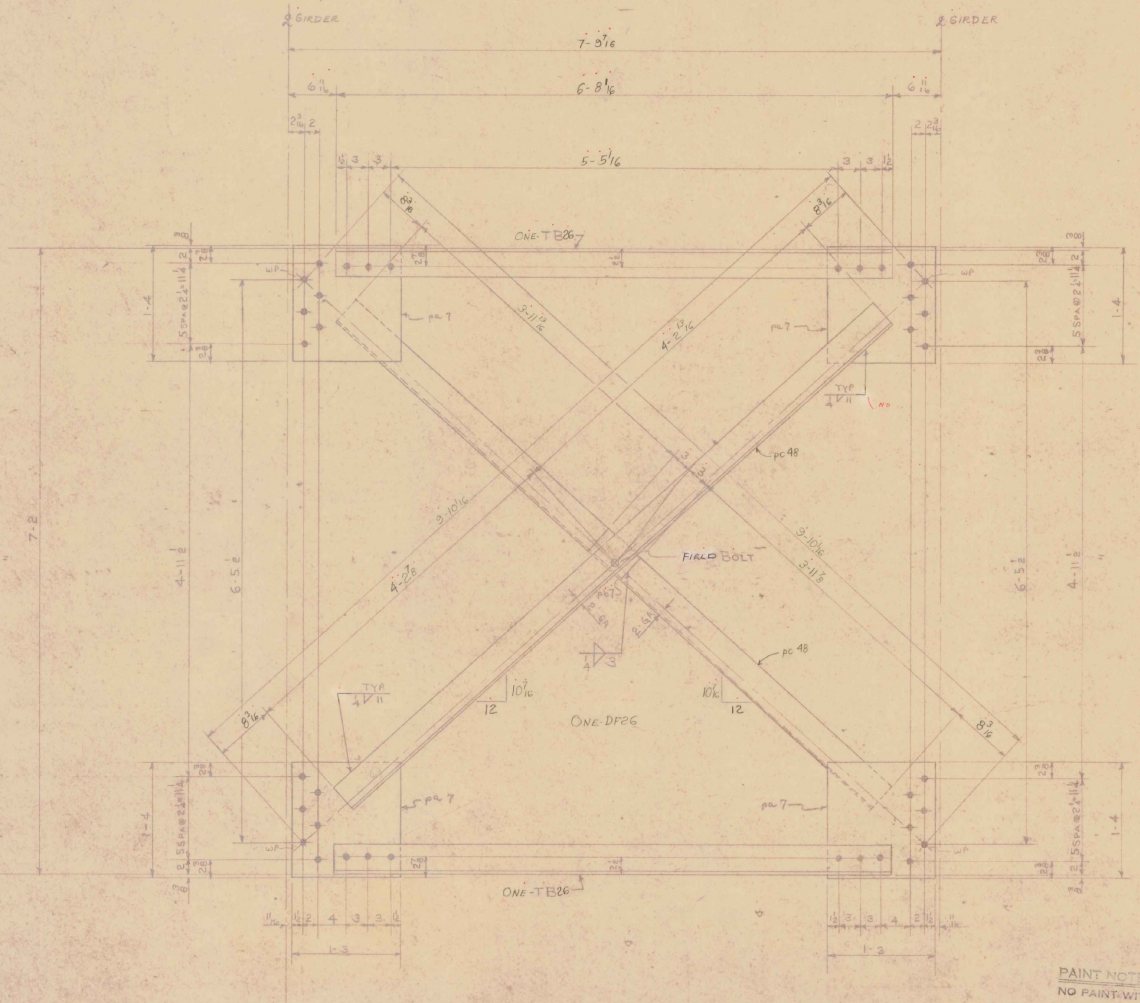
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PIECE 1-067(3)

REVISED APP 2-23-67 JP

DRAWN BY	RLM	DATE 10 11 66
CHECKED		
HOLES		SIZE
PUNCH		
PAINT	RED (VT SPEC)	

PROJECT VERMONT RTE 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 17

PRINT RECORD NO.	YOS	DATE
3	FAB	2-1
1	SHOP	2-7
60	STATE SHOP	3-1
1	W.W.W.	5-15



PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY _____

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (32)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
ONE		~DF26 DIAGONAL FRAME				
4	pc 7	PL 15 x 3/8	1'	4	REQ'D @ SO-0 & SO-3 US 88253	107
1	pc 7	BAR 4 x 3/8	0	6	REQ'D @ SO-0 & SO-3 US 88253	3
1		7/8" HI-TEN BOLT W/ WASHERS	0	24	STK	1
2	pc 48	∠ 4 x 4 x 5/16	8	5 1/2	ORD @ SO-0 & SO-3 B 88594	139
		2 ~ TB26 TOP & BOTTOM ANGLES				
2	TB26	∠ 4 x 4 x 5/16	6	8 1/2	ORD @ SO-0 & SO-3 B 88594	110
		1/4" S WELD	4	2		1
						362

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ. NO. 1067(3)

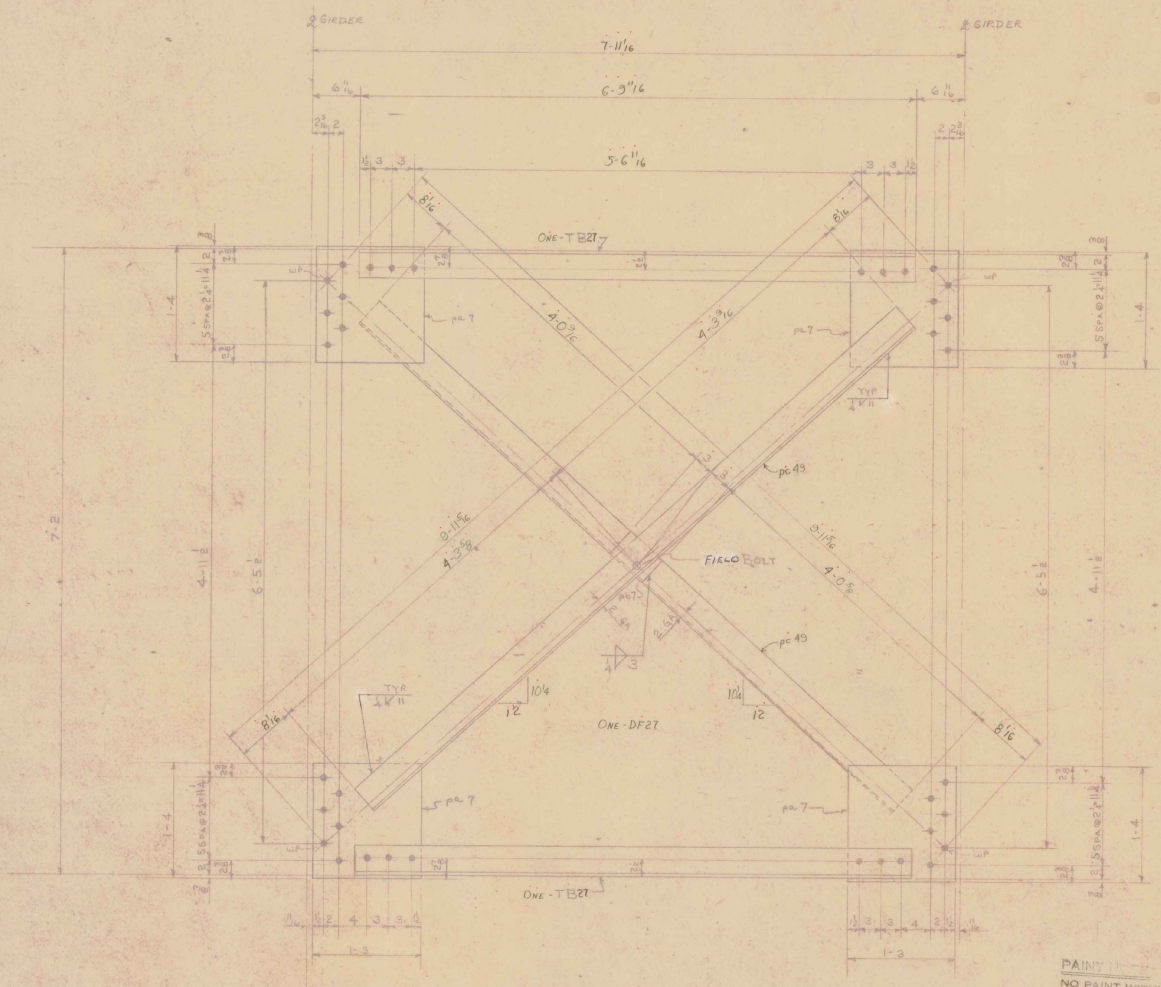
REV. PER RAP. 2-23-67 M

		DATE
DRAWN BY	ELM	12/10/66
CK'D BY	[illegible]	2-1-67
HOLES	7/8"	
NOTES		
PAINT	P.L. (VT SPEC.)	

PROJECT VERMONT RTE. 100
LOCATION MORETOWN, VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE DEV. DEPT. OF HIGHWAYS
JOB NO. 66-12-65 SHEET NO. 48

PRINT RECORD

NO.	SIZE	DATE
3	PRINT	2-1
1	SHOP	2-7
60	ERECT STEEL	3-1
1	WW	5-18



PAINT [illegible]
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM-A36 BILL OF MATERIAL (52)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
	ONE	~DF27					
		DIAGONAL FRAME					
4	pa7	PL 15 x 3/8	1	4	RCS @ 12-0 & 13-8	107	✓
1	pb7	BAR 4 x 3/8	0	6	RCS @ 13-8 US 88853	3	✓
1		7/8" HI TEN BOLT	0	2 1/4	STK	1	✓
		W/ WASHERS				1	✓
2	pc49	L 4 x 4 x 5/16	8	7 1/16	GRD @ 50-0 & 60-0 B88864	141	✓
		2 ~ TB27					
		TOP & BOTTOM ANGLES					
2	TB27	L 4 x 4 x 5/16	6	9 11/16	GRD @ 50-0 & 60-0 B88864	112	✓
		1/4 S WELD	4	2		1	
							366

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV: RLM APP 2-23-67 HP

PROJ# 1-067(3)

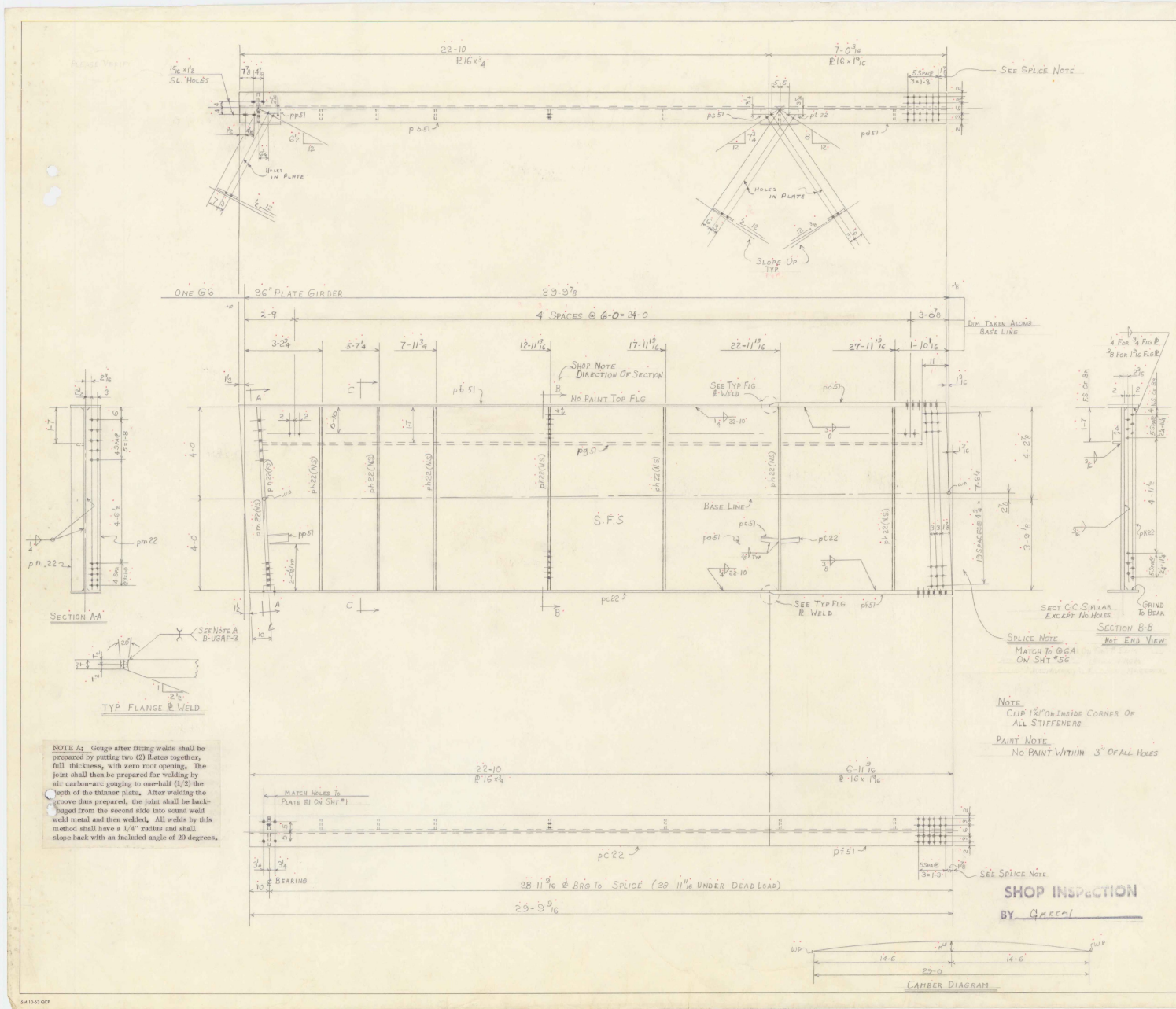
		DATE
DRAWN BY	RLM	12-30-66
CHK'D BY	HP	2-1-67

HOLES 1/16 1/16
BOLTS
PAINT R.L. (V+SPEC)

PROJECT VERMONT RTE 100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT DEPT. OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 49

PRINT RECORD

NO.	FOR	DATE
3	APP	2-1
1	SHOP	2-7
6	SHOP STATE	3-1
1	W.W.W.	5-18



NOTE A: Gouge after fitting welds shall be prepared by putting two (2) plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner plate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld weld metal and then welded. All welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.

SHOP INSPECTION

BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE PLATE GIRDER G6				
1	pa51	PL 99 x 3/8 (SEE DRWG CD2)	30	0 5/8	ORD B88863 PL 100 x 3/8 x 32-0	3945 ✓
1	pb51	PL 16 x 3/4	22	10	ORD B88875 @ 47-0	1896 ✓
1	pc22	do	22	10		
1	pd51	PL 16 x 1 9/16	7	0 3/16	ORD B88875 @ 57-0	1210 ✓
1	pf51	do	6	11 9/16		
1	pg51	BAR 4 x 3/8	28	1 1/2	ORD U.S. B88863 @ 20-0	143 ✓
6	ph22	BAR 5 1/2 x 3/8	8	0	ORD @ 17-0 B88645	393 ✓
1	pk22	do	8	0		
1	pm22	BAR 7 x 5/8	8	0	ORD B88879 @ 17-0	238 ✓
1	pn22	do	8	0		
1	pp51	BAR 8 x 5/8	0	10	RES @ 20-0	
1	ps51	do	0	9		
1	pt22	do	0	9		24 ✓
		3/16 f WELD	166	0		~~25~~ ✓ 15
		1/4 f WELD	130	5		~~33~~ ✓ 21
		3/8 f WELD	37	1 1/2		~~19~~ ✓ 13
						~~7926~~ 7898

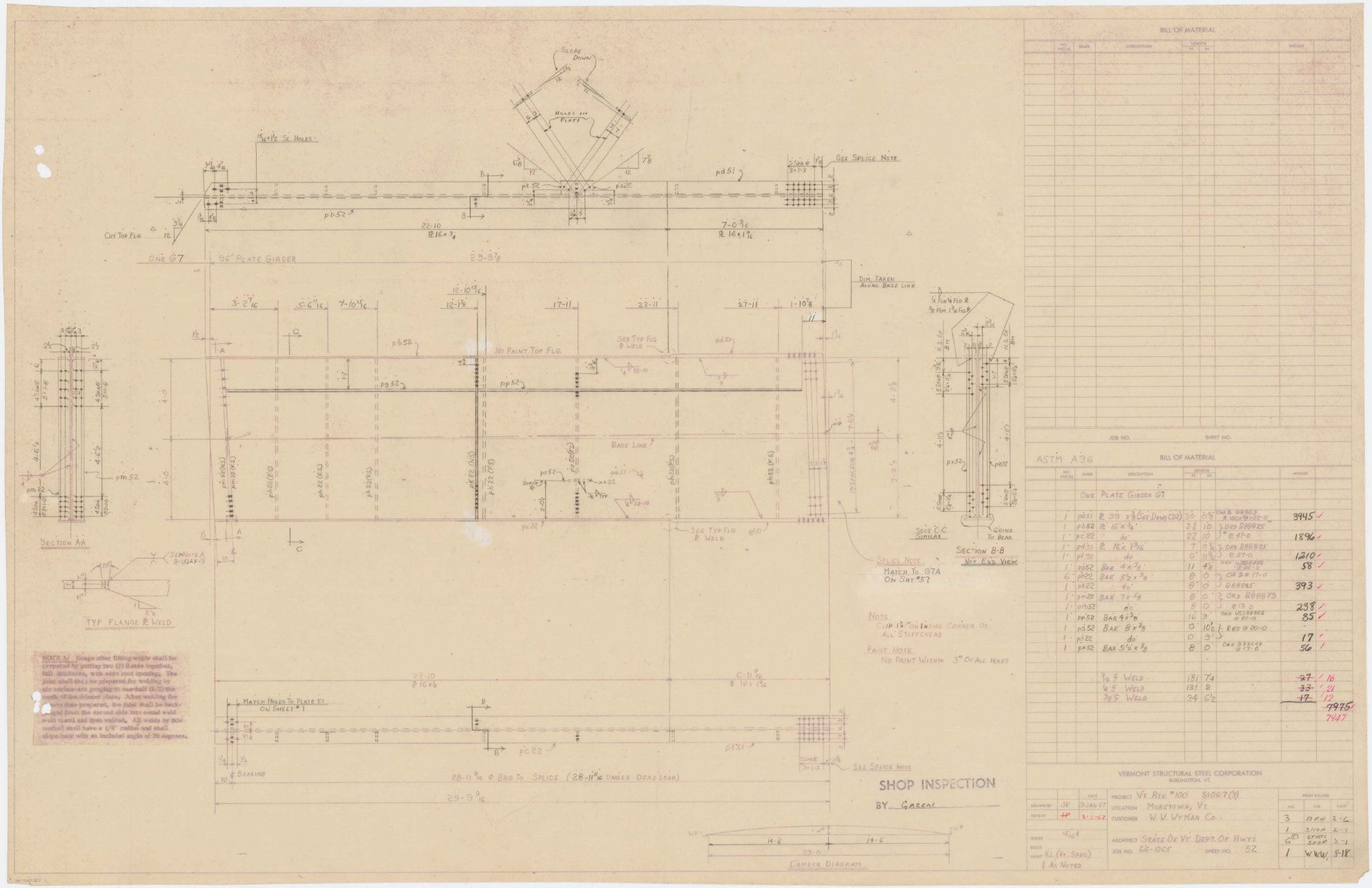
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

		DATE
DRAWN BY	JW	9 JAN 67
CK'D BY	HP	2-3-67
HOLES	15/16 ϕ	
BOLTS		
PAINT	RL (VT. SPEC.) & AS NOTED	

PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN CO.
ARCHITECT STATE OF VT. DEPT. OF HWYS
JOB NO. 66-1265 SHEET NO. 51

PRINT RECORD NO.	FOR	DATE
3	APP	2-6
1	SHOP	2-7
6 (1)	ST A TO SHOP	3-1
1	SHOP	3-6
1	WWW	5-18

SM 10-63 QCF



NOTE A: Flange after fitting weight shall be prepared by putting two (2) R-ease together, full thickness, with zero root openings. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (½) the web of the thicker plate. After welding the two have been prepared, the joint shall be backed from the second side into sound weld weld metal and then welded. All welds by this method shall have a 1/4" radius and shall slope back with an included angle of 30 degrees.

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE PLATE GIRDER G7				
1	pd51	PL 39 x ⅜ (SEE DWG CD2)	30	0⅝	CMD B BB863 @ 100'-0 = 32-0	3945 ✓
1	pb52	PL 16"x¾"	22	10	CMD BB8925	
1	pc22	do	22	10	@ 41'-0	1896 ✓
1	pd51	PL 16x 15/16	7	0⅛	CMD BB8835	
1	pf51	do	6	11½	@ 51'-0	1210 ✓
1	pp52	BAR 4x⅜"	11	4⅛	CMD 12SB8B3 @ 85'-0	58 ✓
6	ph22	BAR 5⅛x⅜	8	0	CMD @ 17'-0	
1	pk22	do	8	0	BB8845	393 ✓
1	pm22	BAR 7½x⅝	8	0	CMD BB8873	
1	pn52	do	8	0	@ 17'-0	238 ✓
1	pp52	BAR 4x⅜	16	3	CMD 12SB8B3 @ 85'-0	85 ✓
1	ps52	BAR 8x⅜	0	10½	@ RES @ 20'-0	
1	pt22	do	0	3		17 ✓
1	px52	BAR 5⅛x⅜	8	0	CMD B8B8A3 @ 17'-0	56 ✓
		⅜ℓ WELD	181	7½		~~27~~ ✓ 16
		½ℓ WELD	131	8		~~33~~ ✓ 21
		⅝ℓ WELD	34	6½		~~17~~ ✓ 12
						~~7975~~ ✓
						7947

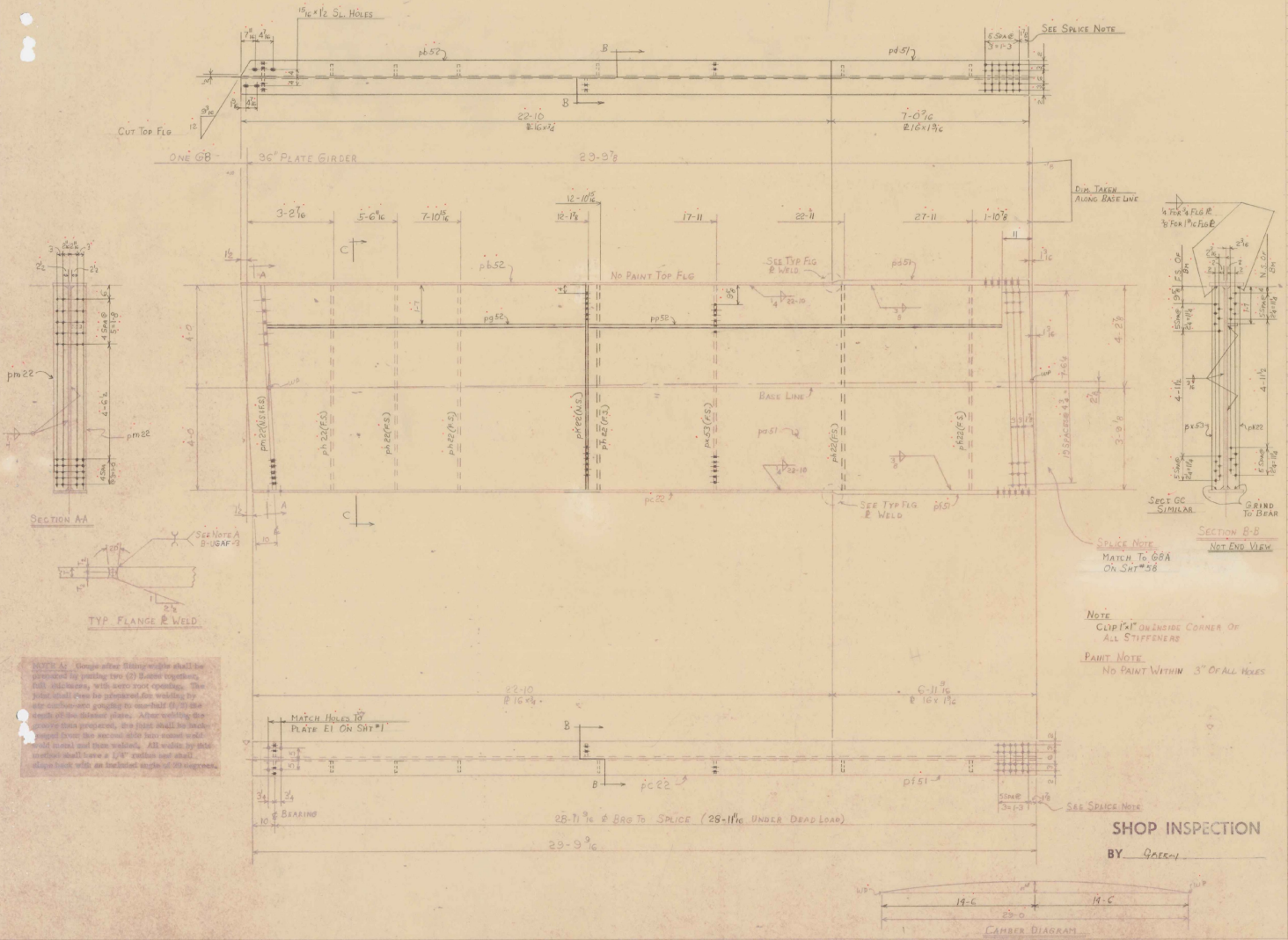
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

		DATE
DRAWN BY	JW	3 JAN 67
CHK'D BY	HP	2-1-67
HOLES	15/16ℓ	
BOLTS		
PAINT	RL (VT. SPEC) & AS NOTED	

PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN CO.
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1205 SHEET NO. 52

PRINT RECORD NO.	FOR	DATE
3	APP	2-6
1	SHOP DWGS	2-7
6D	STATUS SHEET	3-1
1	WWW	5-18

SHOP INSPECTION
BY GREEN



NOTE: All flange plate splices shall be prepared by joining two (2) plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thicker plate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded. All welds in this method shall have a 1/4" reinforcement.

NOTE
CLIP 1"x1" ON INSIDE CORNER OF ALL STIFFENERS

PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION
BY Greer

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
1	pb51	PL 93 x 3/8 (GET DRWG CDB)	36	03	CHG'B WEBGS @ 100-0 & 32-0	3945	✓
1	pb52	PL 16 x 3/4	22	10	ORD BRB935		
1	pb22	do	22	10	@ 47-0	1896	✓
1	pd51	PL 16 x 1 9/16	7	01/8	ORD BRB875		
1	pf51	" do	6	11 3/8	@ 57-0	1210	✓
1	pb52	BAR 4 x 3/4	11	4 1/8	ORD LONGERS @ 58-8	58	✓
6	ph22	BAR 5 1/2 x 3/8	8	0	ORDER IT-0		
1	pk22	do	8	0	BRB845		
1	pk53	do	8	0		449	✓
2	pn22	BAR 7 x 3/8	8	0	ORD BRB879 @ 7'-0	143	✓
1	pp52	BAR 4 x 3/8	16	9	ORD USE BRB53 @ 20-0	85	✓
		3/16 ℄ WELD	181	7 1/4		~~27~~ 16	✓
		1/4 ℄ WELD	131	2		~~33~~ 21	✓
		3/8 ℄ WELD	29	5 1/2		~~15~~ 11	✓
						7861	
						7534	

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE PLATE GIRDER GB					
1	pb51	PL 93 x 3/8 (GET DRWG CDB)	36	03	CHG'B WEBGS @ 100-0 & 32-0	3945	✓
1	pb52	PL 16 x 3/4	22	10	ORD BRB935		
1	pb22	do	22	10	@ 47-0	1896	✓
1	pd51	PL 16 x 1 9/16	7	01/8	ORD BRB875		
1	pf51	" do	6	11 3/8	@ 57-0	1210	✓
1	pb52	BAR 4 x 3/4	11	4 1/8	ORD LONGERS @ 58-8	58	✓
6	ph22	BAR 5 1/2 x 3/8	8	0	ORDER IT-0		
1	pk22	do	8	0	BRB845		
1	pk53	do	8	0		449	✓
2	pn22	BAR 7 x 3/8	8	0	ORD BRB879 @ 7'-0	143	✓
1	pp52	BAR 4 x 3/8	16	9	ORD USE BRB53 @ 20-0	85	✓
		3/16 ℄ WELD	181	7 1/4		~~27~~ 16	✓
		1/4 ℄ WELD	131	2		~~33~~ 21	✓
		3/8 ℄ WELD	29	5 1/2		~~15~~ 11	✓
						7861	
						7534	

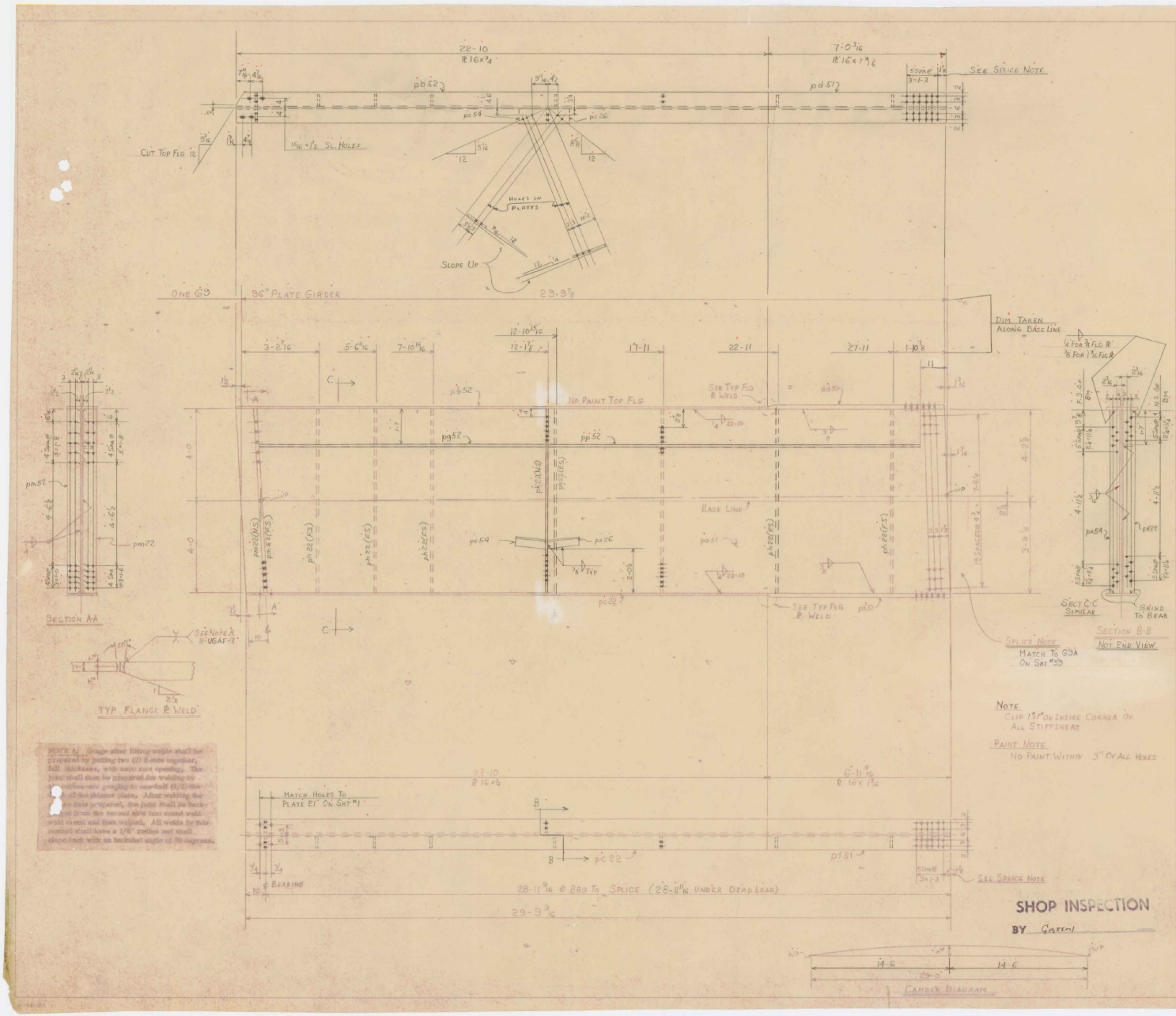
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

		DATE
DRAWN BY	JW	3 JAN 67
CK'D BY	HP	2-3-67
HOLES		15/16 ℄
BOLTS		
PAINT	R.I. (VT. SPEC.) & AS NOTED	

PROJECT VT. RTE #100 S1006 7(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN CO.
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265 SHEET NO. 53

PRINT RECORD

NO.	FOR	DATE
3	MFR	2-6
1	SHOP SHTS	2-7
6(2)	SHOP SHEET	3-1
1	W.W.W.	6-14



NOTE A: Gouge after fitting welds shall be prepared by putting two (2) Plates together, full thickness, with zero root opening. The joint shall then be prepared for welding by [illegible] gouging to one-half (1/2) the [illegible] of the thinner plate. After welding the [illegible] prepared, the joint shall be back-[illegible] from the second side into sound weld weld metal and then welded. All welds by this method shall have a 1/4" radius and shall slope back with an included angle of 70 degrees.

SHOP INSPECTION

BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT
		ONE PLATE GIRDER G9			
1	pa51	PL 99 x 3/8 (SEE DWG CD2)	30	0 5/8	ORD B 88863 PL 100 x 3/8 x 32-0 3945
1	pb52	PL 16 x 3/4	22	10	ORD B88875 @ 47-0 1896
1	pc22	do	22	10	
1	pd51	PL 16 x 1 9/16	7	0 3/16	ORD B88875 @ 57-0 1210
1	pf51	do	6	11 9/16	
1	pg52	BAR 4 x 3/8	11	4 1/8	ORD USS 88853 @ 20-0 58
6	ph22	BAR 5 1/2 x 3/8	8	0	ORD B @ 17-0 B88645 393
1	pk22	do	8	0	
1	pm22	BAR 7 x 5/8	8	0	ORD B88879 @ 17-0 238
1	pm52	do	8	0	
1	pp52	BAR 4 x 3/8	16	9	ORD USS 88853 @ 60-0 85
1	px54	BAR 5 1/2 x 3/8	8	0	ORD B88645 @ 17-0 56
1	ps54	BAR 8 x 3/8	1	4 1/2	RES @ 20-0 21
1	ps26	do	0	8 1/2	
		3/16 f WELD	181	7 1/4	~~27~~ 16
		1/4 f WELD	131	2	~~33~~ 21
		3/8 f WELD	35	5 1/2	~~18~~ 13
					~~7980~~ 7952

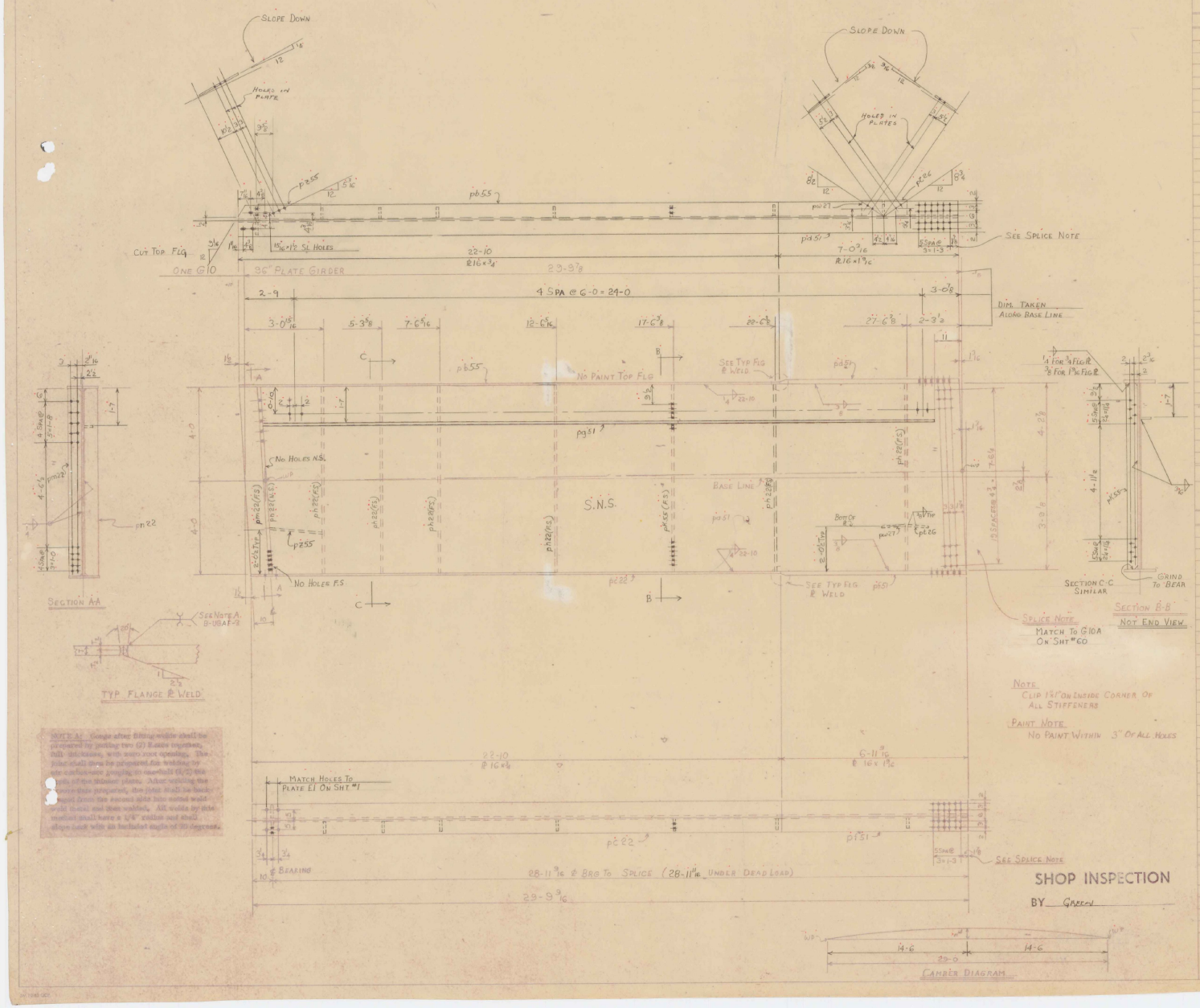
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

		DATE
DRAWN BY	JH	9 JAN 67
CK'D BY	HP	2-3-67

PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN CO.
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265 SHEET NO. 54

HOLES 15/16 ϕ
BOLTS
PAINT R.L. (VT. SPEC.) & AS NOTED

PRINT RECORD NO.	FOR	DATE
3	APP	2-6
1	SHOP	2-7
6	STMC SHOP	3-1
1	W.W.W.	5-18



NOTE A: Gouge after fitting welds shall be prepared by putting two (2) flanges together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner plate. After welding the groove thus prepared, the joint shall be back gouged from the second side into sound weld metal and then welded. All welds by this method shall have a 1/4" radius and shall slope back with an included angle of 90 degrees.

NOTE
CLIP 1"x1" ON INSIDE CORNER OF ALL STIFFENERS

PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES

SHOP INSPECTION

BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.	WEIGHT

JOB NO. SHEET NO.

ASTM A36

BILL OF MATERIAL

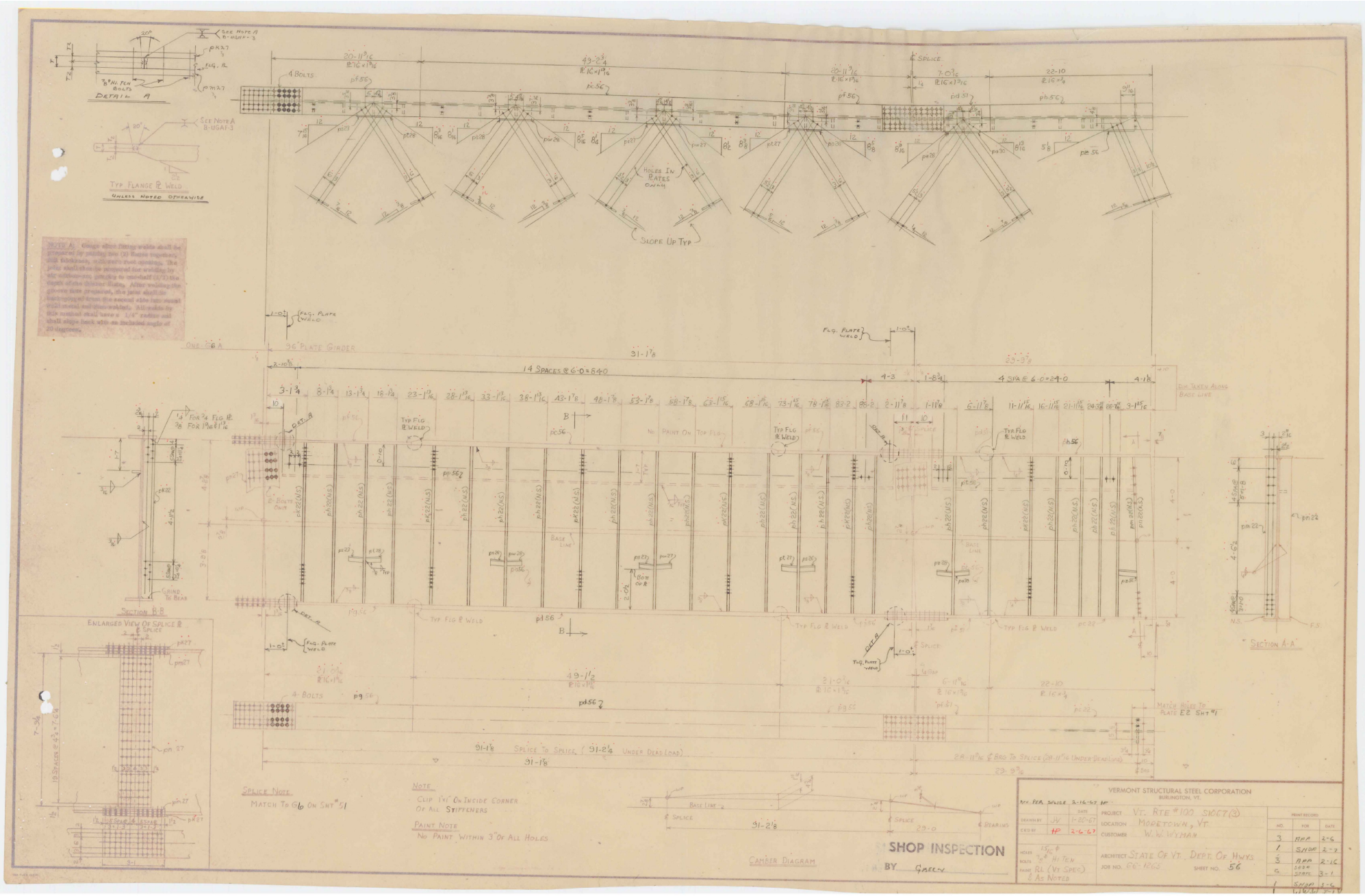
NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE PLATE GIRDER G10				
1	pd51	℞ 99 x 3/8 (SEE DWG CD2)	30	0 3/8	ORD B88863 ℞ 100 x 3/8 x 32-0	3945 ✓
1	pb55	℞ 16 x 3/4	22	10	ORD B88875 @ 47-0	1896 ✓
1	pc22	do	22	10		
1	pd51	℞ 16 x 1 9/16	7	0 3/16	ORD B88875 @ 57-0	1210 ✓
1	pf51	do	6	11 9/16		
1	pg51	BAR 4 x 3/8	28	1 1/2	ORD US 88853 @ 30-0	143 ✓
6	ph22	BAR 5 1/2 x 3/8	8	0	ORD @ 17-0 B88645	393 ✓
1	pk55	do	8	0		
1	pm22	BAR 7 x 5/8	8	0	ORD B88879 @ 17-0	238 ✓
1	pn22	do	8	0		
1	pt26	BAR 8 x 3/8	0	8 1/2	RES @ 20-0	
1	pw27	do	0	8 1/2		
1	pz55	do	2	1 1/2		36 ✓
		3/16 f. WELD	166	0		~~25~~ ✓ 15
		1/4 f. WELD	131	2		~~33~~ ✓ 21
		3/8 f. WELD	39	8 1/2		~~20~~ ✓ 14 ✓
						~~7939~~ 7411

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

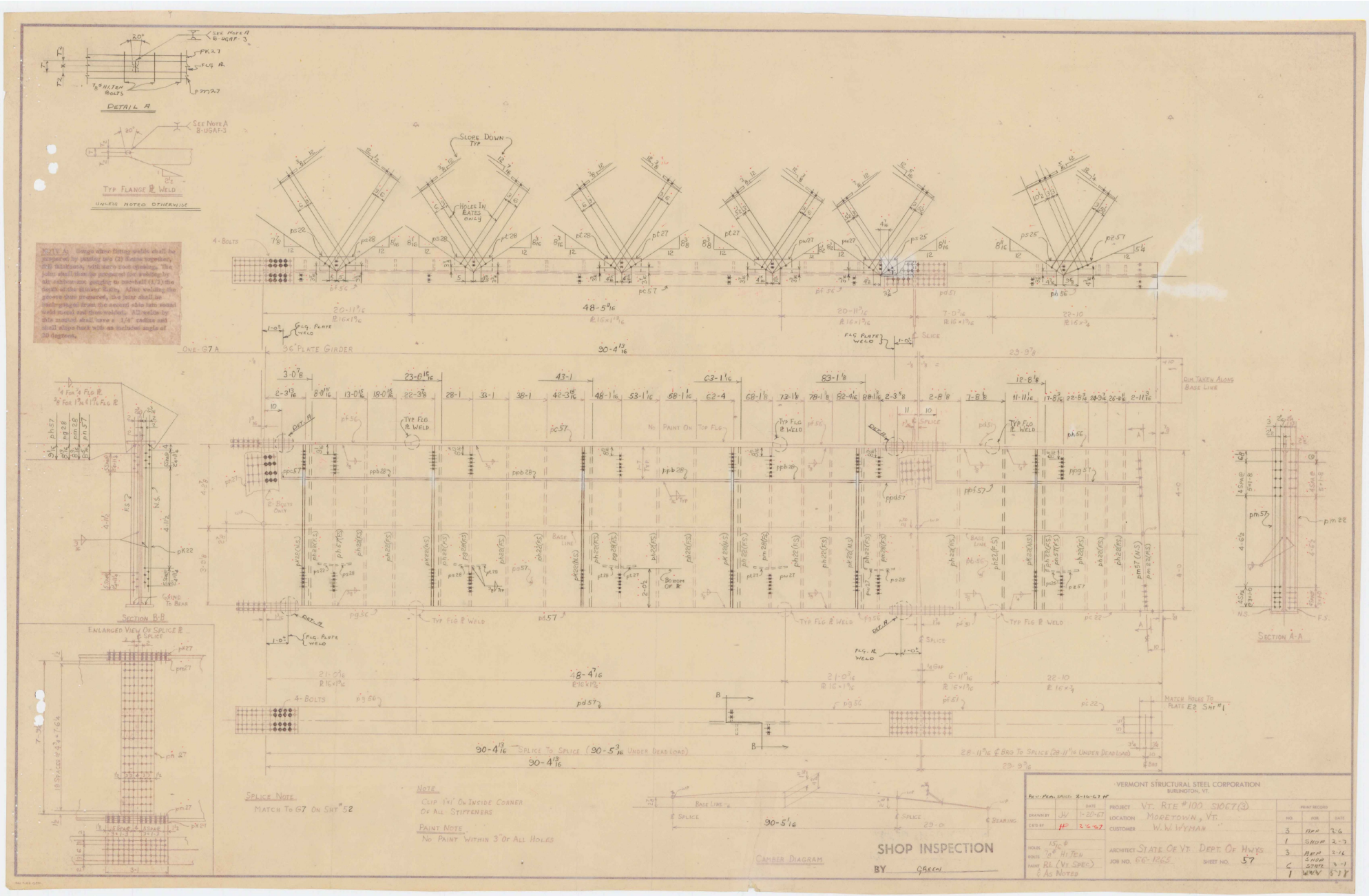
		DATE
DRAWN BY	JW	9 JAN 67
CK'D BY	HP	2-3-67
HOLES	15/16 ℄	
BOLTS		
PAINT	R.L. (VT. SPEC.) & AS NOTED	

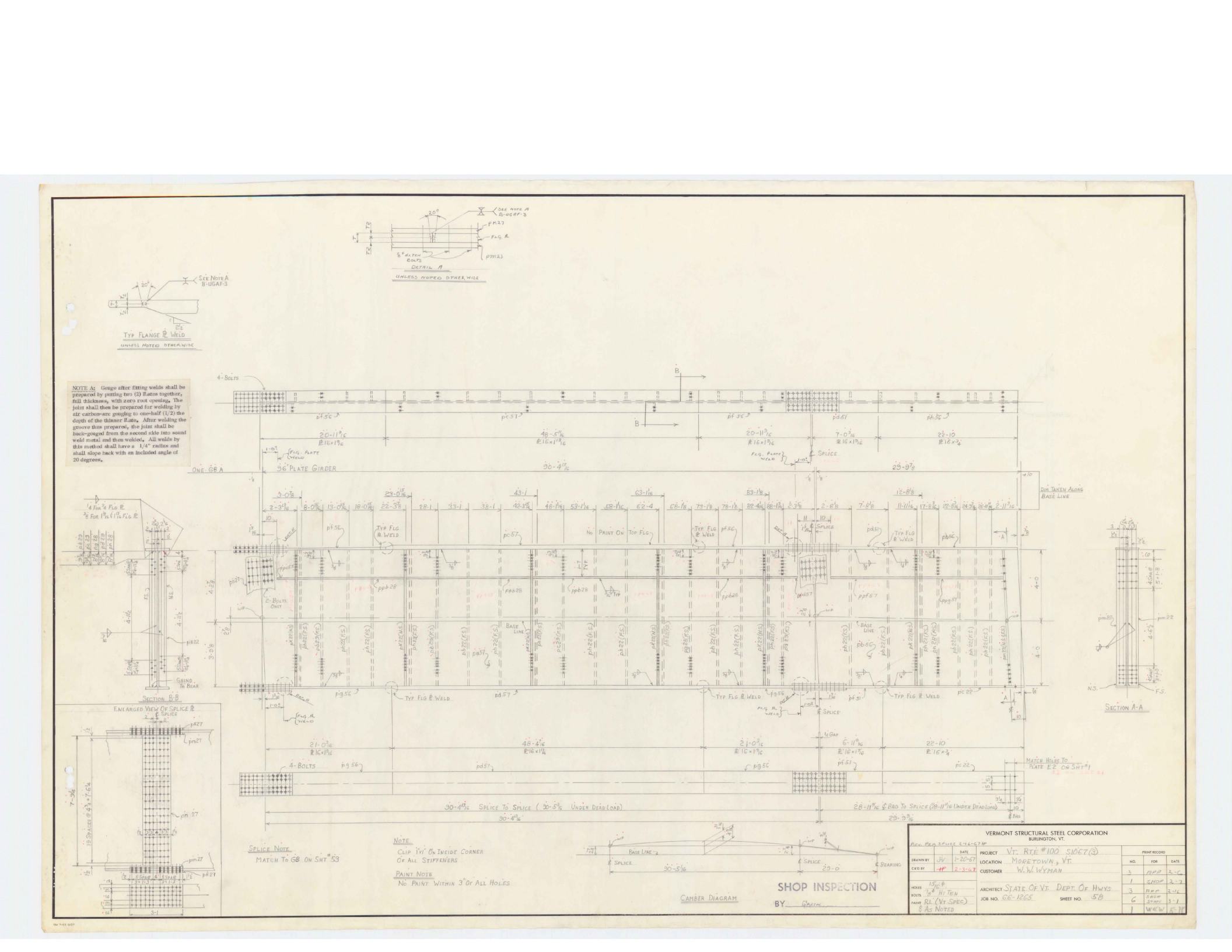
PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN CO.
ARCHITECT STATE OF VT. DEPT. OF HWYS
JOB NO. 66-1265 SHEET NO. 55

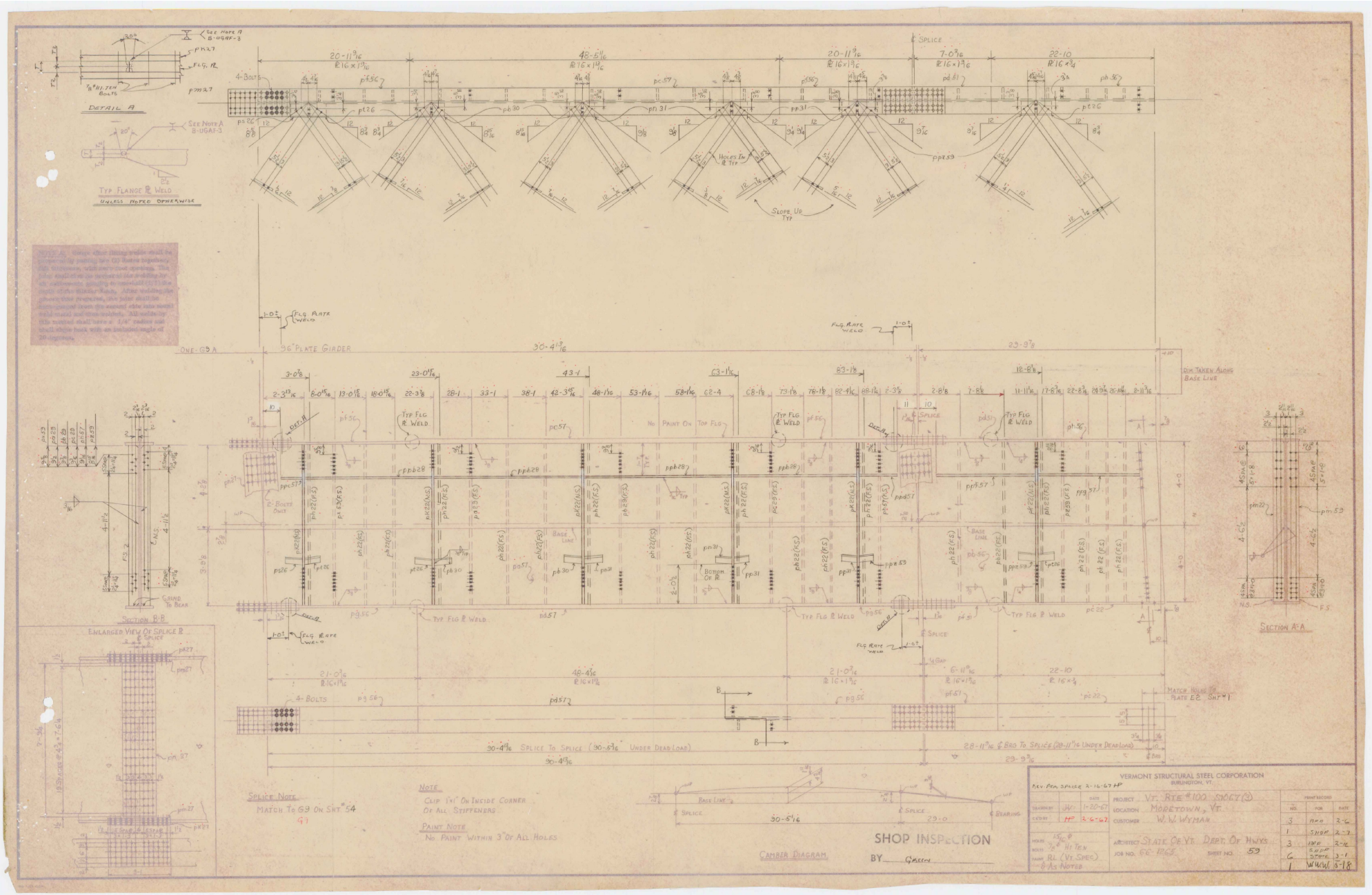
PRINT RECORD NO.	FOR	DATE
3	APP	2-6
1	SHOP	2-7
6 (1)	STAIL SHOP	3-1
1	SHOP	3-6
1	WWW	5-18

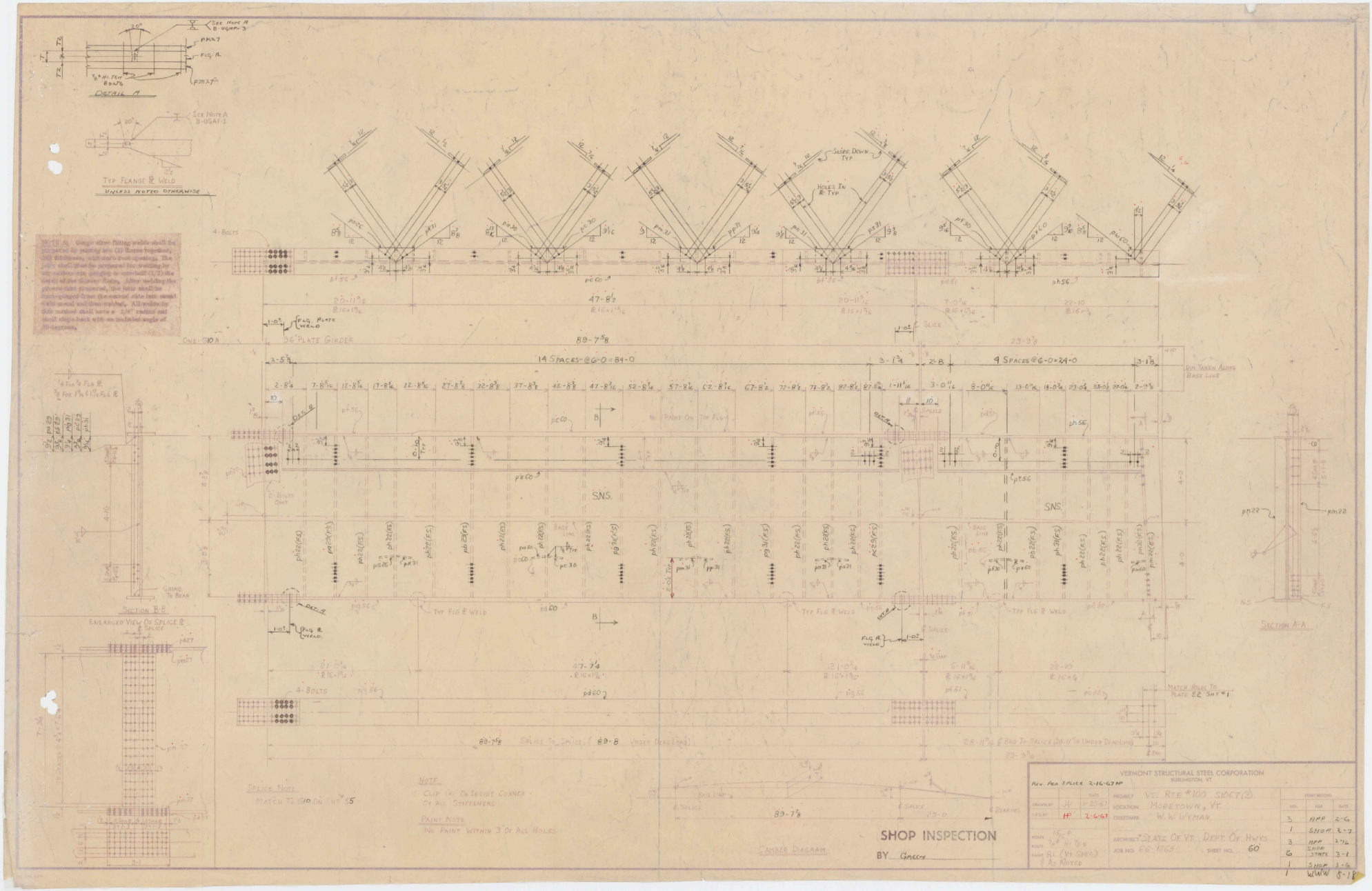


DETAIL A
TYP FLANGE PL WELD
UNLESS NOTED OTHERWISE
SLOPE UP TYP
HOLES IN PLATES ONLY
96" PLATE GIRDER
14 SPACES @ 6-0 = 84-0
4 SPA @ 6-0 = 24-0
SECTION B-B
SECTION A-A
ENLARGED VIEW OF SPLICE PL
SPLICE TO SPLICE (91-2¼ UNDER DEAD LOAD)
SPLICE NOTE
MATCH TO G6 ON SHT #51
NOTE
CLIP 1"x1" ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES
CAMBER DIAGRAM
SHOP INSPECTION
BY GREEN
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265
SHEET NO. 56
PAINT RL (VT SPEC) & AS NOTED

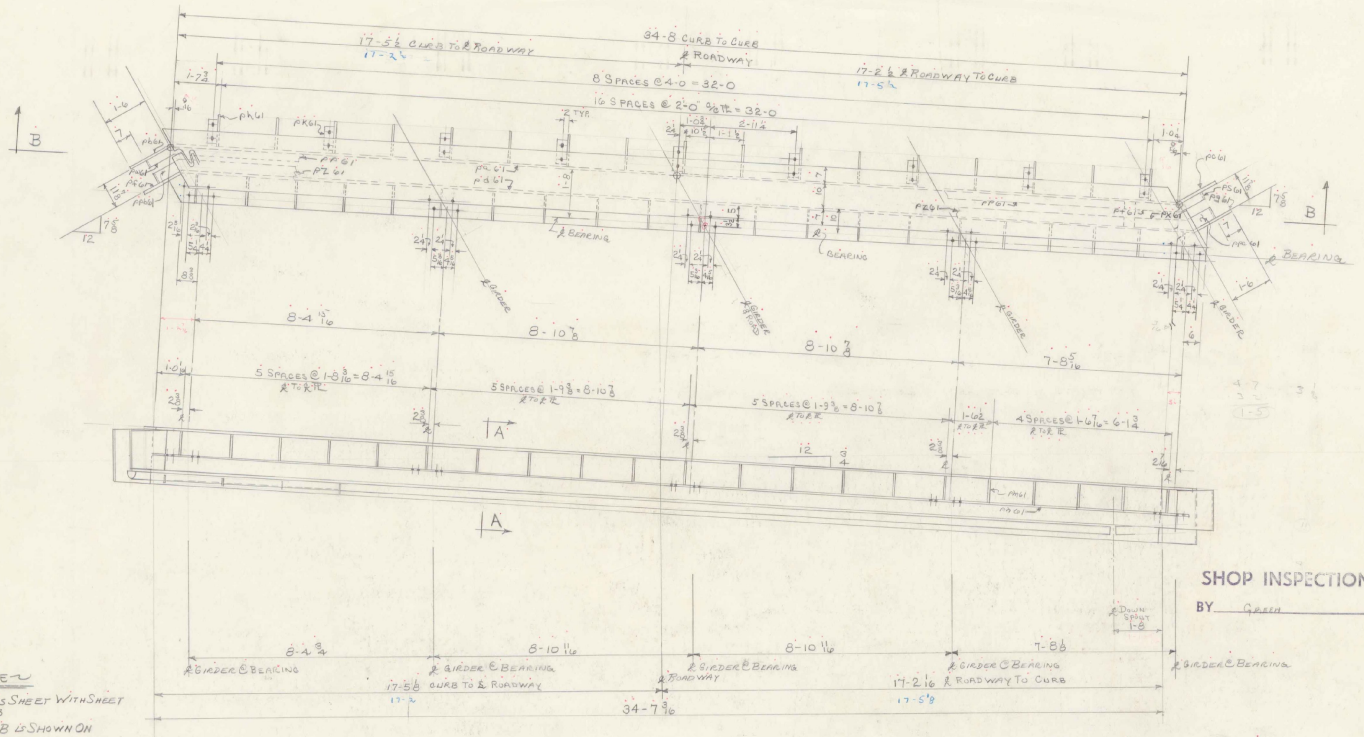

DETAIL A
TYP FLANGE PL WELD
UNLESS NOTED OTHERWISE
SLOPE DOWN TYP
HOLES IN PLATES ONLY
4-BOLTS
ONE G7A
96" PLATE GIRDER
90-4 13/16
29-9 7/8
DIM TAKEN ALONG BASE LINE
TYP FLG PL WELD
NO PAINT ON TOP FLG
BASE LINE
BOTTOM OF PL
SECTION B-B
SECTION A-A
ENLARGED VIEW OF SPLICE PL
SPLICE TO SPLICE (90-5 3/16 UNDER DEAD LOAD)
28-11 9/16 ℄ BRG TO SPLICE (28-11 9/16 UNDER DEAD LOAD)
MATCH HOLES TO PLATE E2 SHT #1
SPLICE NOTE
MATCH TO G7 ON SHT #52
NOTE
CLIP 1"x1" ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES
CAMBER DIAGRAM
SHOP INSPECTION
BY GREEN
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
REV. PER. SPECS. 2-16-67 HP
DRAWN BY JW 1-20-67
CK'D BY HP 2-6-67
PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS
JOB NO. 66-1265
SHEET NO. 57
HOLES 15/16 ⌀
BOLTS 7/8 ⌀ HI TEN
PAINT RL (VT SPEC) & AS NOTED
PRINT RECORD
NO. FOR DATE
3 APP 3-6
1 SHOP 2-7
3 APP 2-16
C SHOP STATE 3-1
1 WWW 5-18


DETAIL A
UNLESS NOTED OTHERWISE
TYP FLANGE ℄ WELD
UNLESS NOTED OTHERWISE
NOTE A: Gouge after fitting welds shall be prepared by putting two (2) ℄ates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner ℄ate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded. All welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.
ONE GB A
36" PLATE GIRDER
SECTION B-B
SECTION A-A
ENLARGED VIEW OF SPLICE ℄
SPLICE NOTE
MATCH TO GB ON SHT #53
NOTE
CLIP 1/4" ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES
CAMBER DIAGRAM
SHOP INSPECTION
BY
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265
SHEET NO. 58
DRAWN BY JV 1-20-67
C'K'D BY HF 2-3-67
HOLES 15/16 ϕ
BOLTS 7/8" HI TEN
PAINT RL (VT SPEC) & AS NOTED
PRINT RECORD
NO. 3 FOR APP DATE 2-6
NO. 1 FOR SHOP DATE 2-7
NO. 3 FOR REP DATE 3-16
NO. 6 FOR SHOP STMPS DATE 3-1
NO. 1 FOR W&W DATE 5-10


DETAIL A
TYP FLANGE ℄ WELD
UNLESS NOTED OTHERWISE
SEE NOTE A B-UGAF-3
℄ SPLICE
20-11 9/16 PL 16 x 1 9/16
48-5 11/16 PL 16 x 1 9/16
20-11 9/16 PL 16 x 1 9/16
7-0 9/16 PL 16 x 1 9/16
22-10 PL 16 x 3/4
4-BOLTS
HOLES IN ℄ TYP
SLOPE UP TYP
ONE-G9A
36" PLATE GIRDER
30-4 13/16
23-3 7/8
FLG PLATE WELD
TYP FLG ℄ WELD
DIM TAKEN ALONG BASE LINE
2-BOLTS ONLY
GRIND TO BEAR
SECTION B-B
SECTION A-A
ENLARGER VIEW OF SPLICE ℄
21-0 3/16 PL 16 x 1 1/16
46-4 5/16 PL 16 x 1 1/16
21-0 3/16 PL 16 x 1 1/16
6-11 9/16 PL 16 x 1 1/16
22-10 PL 16 x 3/4
4-BOLTS
MATCH HOLES TO PLATE E2 SHT #1
30-4 13/16 SPLICE TO SPLICE (30-5 7/16 UNDER DEAD LOAD)
28-11 3/16 ℄ BRG TO SPLICE (29-11 7/16 UNDER DEADLOAD)
30-4 13/16
29-3 7/16
SPLICE NOTE
MATCH TO G9 ON SHT #54
G1
NOTE
CLIP 1"x1" ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES
CAMBER DIAGRAM
BASE LINE
℄ SPLICE
30-5 1/16
29-0
℄ BEARING
SHOP INSPECTION
BY
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
REV. PER. SPLICE 2-16-67 HP
DRAWN JV 1-20-67
CHECKED HP 2-6-67
HOLES 15/16 ø
BOLTS 7/8 HI TEN
PAINT RL (VT. SPEC) & AS NOTED
PROJECT VT. RTE #100 S067(2)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265
SHEET NO. 59
PRINT RECORD
NO. FOR DATE
3 REV 2-6
1 SHOP 2-7
3 REV 2-16
6 SUP STOCK 3-1
1 W W W 5-18



DETAIL A
TYP FLANGE PL WELD
UNLESS NOTED OTHERWISE
NOTE A: Gauge after fitting welds shall be prepared by putting two (2) flates together, full thickness, with zero root opening. The joint shall then be prepared for welding by air carbon-arc gouging to one-half (1/2) the depth of the thinner flate. After welding the groove thus prepared, the joint shall be back-gouged from the second side into sound weld metal and then welded. All welds by this method shall have a 1/4" radius and shall slope back with an included angle of 20 degrees.
SLOPE DOWN TYP
HOLES IN PL TYP
4-BOLTS
ONE-G10A
36" PLATE GIRDER
89-7 5/8
14 SPACES @ 6-0 = 84-0
4 SPACES @ 6-0 = 24-0
DIM TAKEN ALONG BASE LINE
NO PAINT ON TOP FLG
S.N.S.
TYP FLG PL WELD
SECTION B-B
SECTION A-A
ENLARGED VIEW OF SPLICE PL
GRIND TO BEAR
MATCH HOLES TO PLATE E2 SHT #1
SPLICE TO SPLICE (89-8 UNDER DEAD LOAD)
SPLICE NOTE
MATCH TO G10 ON SHT #55
NOTE
CLIP 1"x1" ON INSIDE CORNER OF ALL STIFFENERS
PAINT NOTE
NO PAINT WITHIN 3" OF ALL HOLES
CAMBER DIAGRAM
SHOP INSPECTION
BY GREEN
VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
REV. PER SPLICE 2-16-67 HP
PROJECT VT. RTE #100 S1067(3)
LOCATION MORETOWN, VT.
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT. DEPT. OF HWYS.
JOB NO. 66-1265
SHEET NO. 60
DRAWN BY JH 1-20-67
CK'D BY HP 2-6-67
HOLES 15/16 ϕ
BOLTS 7/8 ϕ HI TEN
PAINT RL (VT SPEC) & AS NOTED
PRINT RECORD
NO. FOR DATE
3 APP 2-6
1 SHOP 2-7
3 APP 2-16
6 SHOP STATE 3-1
1 SHOP 3-6
1 WWW 5-18

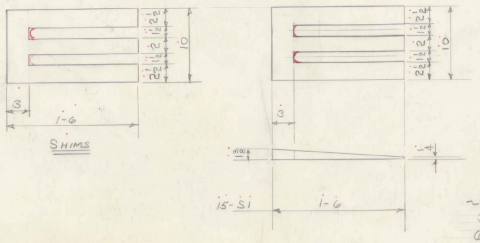


SHOP NOTE

WORK THIS SHEET WITH SHEET # G2 & G3
SECTION BB IS SHOWN ON SHEET # 62

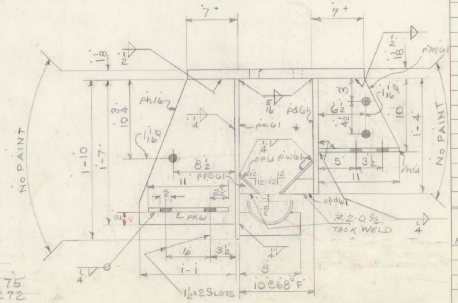
SHIMS

15	S1	BAR	10 x 1 3/8 x 1-6
15	S2	BAR	10 x 1/2 x 1-6
15	S3	BAR	10 x 3/8 x 1-6
15	S4	BAR	10 x 1/4 x 1-6
15	S5	BAR	10 x 1/8 x 1-6
15	S6	BAR	10 x 1/16 x 1-6



PAINT NOTE

3 COATS OF PAINT
① 1ST COAT RL (VT SPEC)
② 2ND COAT DEVRUSTO GRAY PC 75
③ RD COAT DEVRUSTO GREEN PC 72



SECTION AA

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		SHIMS					
15	S1	PL 10 x 1 3/8	1	6	STK	1105	✓
15	S2	PL 10 x 1/2	1	6	STK	402	✓
15	S3	PL 10 x 3/8	1	6	STK	302	✓
15	S4	PL 10 x 1/4	1	6	STK	201	✓
15	S5	PL 10 x 1/8	1	6	STK	101	✓
15	S6	PL 10 x 1/16	1	6	STK	51	✓
						2161	

JOB NO. 66-1265 SHEET NO. 61 6/8

ALL STEEL IS ASTM A-242 UNLESS OTHER WISE NOTED

BILL OF MATERIAL (21)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE EXPANSION DAM ED1					
1	PL61	PL 22 x 1/2	34	8	GRD A242 OR B BBB075	1380	✓
1	PL61	PL 22 x 1/2	1	6		60	✓
1	PS61	PL 23 1/2 x 1/2	1	6		60	✓
1	PA61	PL 16 x 3/8	34	8	GRD A242 OR B BBB075	1502	✓
1	PS61	PL 16 x 3/8	1	6		67	✓
1	PS61	PL 17 6/8 x 3/8	1	6			
17	PA61	PL 13 x 1/2 (A36)	1	7	REG PL 48 x 120	625	✓
9	PA61	BAR 4 x 1/2 (A36)	0	11	REG @ 20-0	56	✓
21	PA61	PL 9 1/2 x 1/2 (A36)	0	11		328	✓
1	PA61	PL 11 x 1/2 (A36)	35	8	GRD A242 OR B BBB075	680	✓
1	PA61	BAR 4 x 1/2 (A36)	32	10			
1	PS61	do	1	2	PL 48 x 1/2 x 12-0 GRADE A242		
1	PT61	do	1	9			
1	PW61	do	0	11	GRD A242 OR B BBB060	129	✓
1	PX61	BAR 6 1/2 x 1/2	2	0 3/8			
1	PZ61	do	32	7 1/2	PL 48 x 1/2 x 120 GRADE A242 BBB060		
1	PM61	do	0	11 1/2			
1	PF61	do	1	2 1/2		210	✓
24	PF61	BAR 2 x 1/2	0	2 5/8	GRD A242 OR BBB060		
24	PF461	do	0	4 5/8		26	✓
1	PF561	PL 24 x 1 1/8	36	0 1/2	GRD 50 OR 60 A242 OR BBB075	3367	✓
17	PF361	∠ 3 x 3 x 5/8	1	8	STK	204	✓
34		3/4 ø BOLTS	0	2 1/2	STK	18	
		1/4 ø WELD	42	0		77	77
		5/16 ø WELD	78	0		77	77
		7/8 ø WELD	478	0		8738	8738

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT. PROJ # S-0167 (S)

REV PER APP 3-10-67 HP

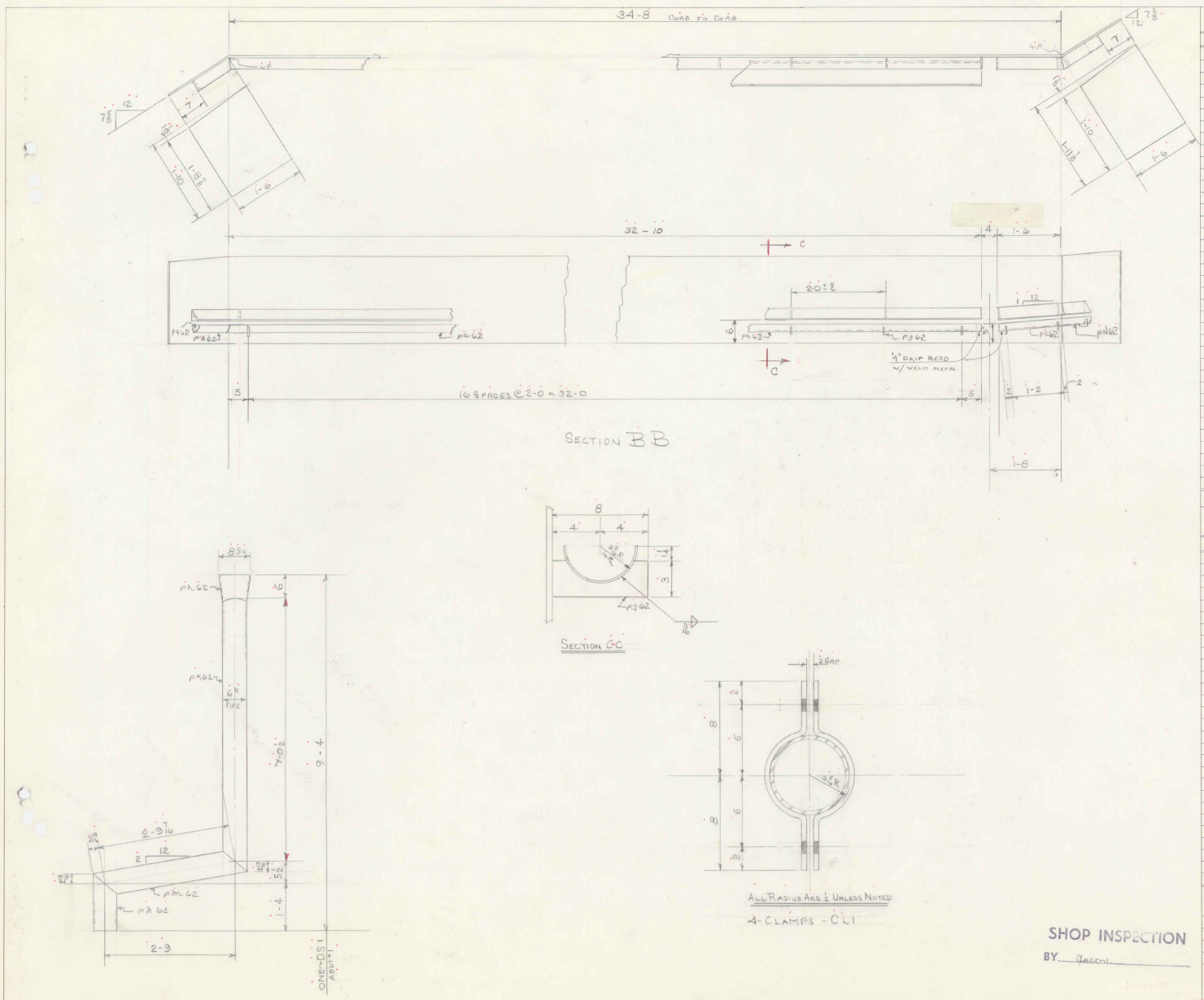
		DATE
DRAWN BY	RLM	12-12-67
CK'D BY	HP	1-20-67

PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT. DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 61 8/8

HOLES 13/16 UNLESS NOTED
BOLTS
PAINT RL (VT SPEC) & AS NOTED

PRINT RECORD	NO.	FOR	DATE
	3	APP	1-23
	4TH	SHOP	2-17
	2	STATUS	2-28
	1	W.W.W.	3-15

SM 1063 QCP



BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM-A36 UNLESS NOTED

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE- DRAIN TROUGH ~ SHOP WELD TO ED 1 SHEET #61					
1	pa62	1/2 ~ 6 Q STD W.I. PIPE	32	9 1/2	ORD		
1	pb62	do	0	10 1/2			
1	pc62	do	1	10 7/8			
1	pd62	do	1	3 1/4		349	
2	pf62	⊏ W.I. BAR 3 x 5/16	0	6	ORD	3	
23	pg62	BAR 3 x 4 (ASTM A242)	0	8	ORD & BBB 60 45 x 4 x 10-0	40	
		3/16 ∢ WELD	16	0		2	394
		ONE-DOWNSPOUT DS1					
4	ph62	W.I. BAR 8 x 3/8	0	11 3/8	ORD	39	
1	pk62	6 Q STD W.I. PIPE	7	3 9/16	ORD		
1	pm62	do	3	3 1/16			
1	pn62	do	1	6 13/16		230	269
		4 PIPE CLAMPS ~ CL1					
8		BENT W.I. BAR 3 x 3/8	1	7 3/4	ORD	50	50
							713

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ # S-0167 (3)

REV. PER APP 2-10-67 HP

		DATE
DRAWN BY	RLM	1-12-67
CK'D BY	HP	1-20-67

HOLES 13/16 Q
BOLTS
PAINT 3-COATS

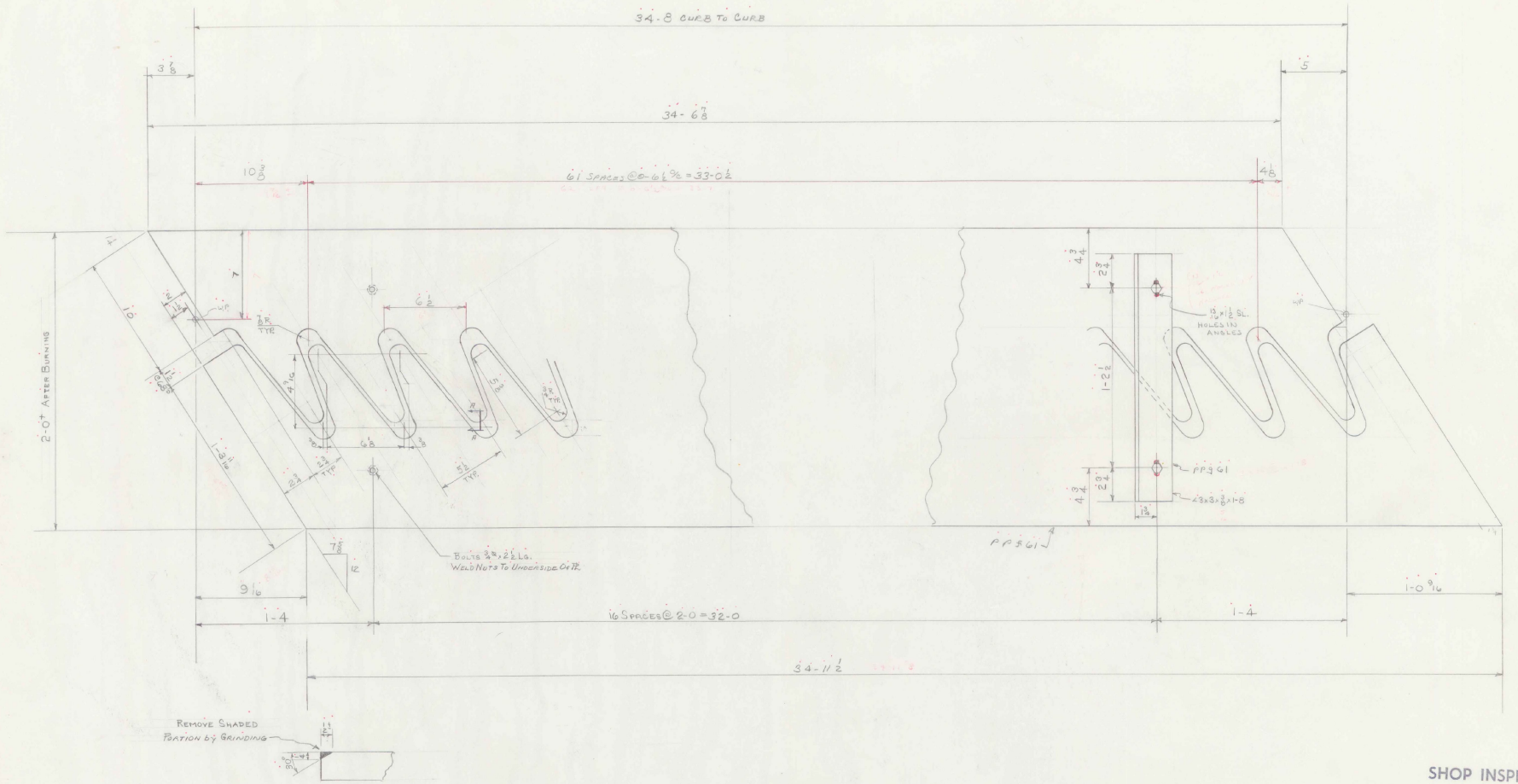
PROJECT VERMONT RTE #100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAY
JOB NO. 66-1265 SHEET NO. 62

PRINT RECORD

NO.	FOR	DATE
3	APP	1-23
4 (1)	SHOP	2-17
2	STATE	2-28
1	W.W.W.	5-18

SHOP INSPECTION
BY [illegible]

SM 10-63 QCP



DETAIL OF FINGER PL FOR EXP. DAM ON SHEET NO 61

SHOP INSPECTION

BY GREEN

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

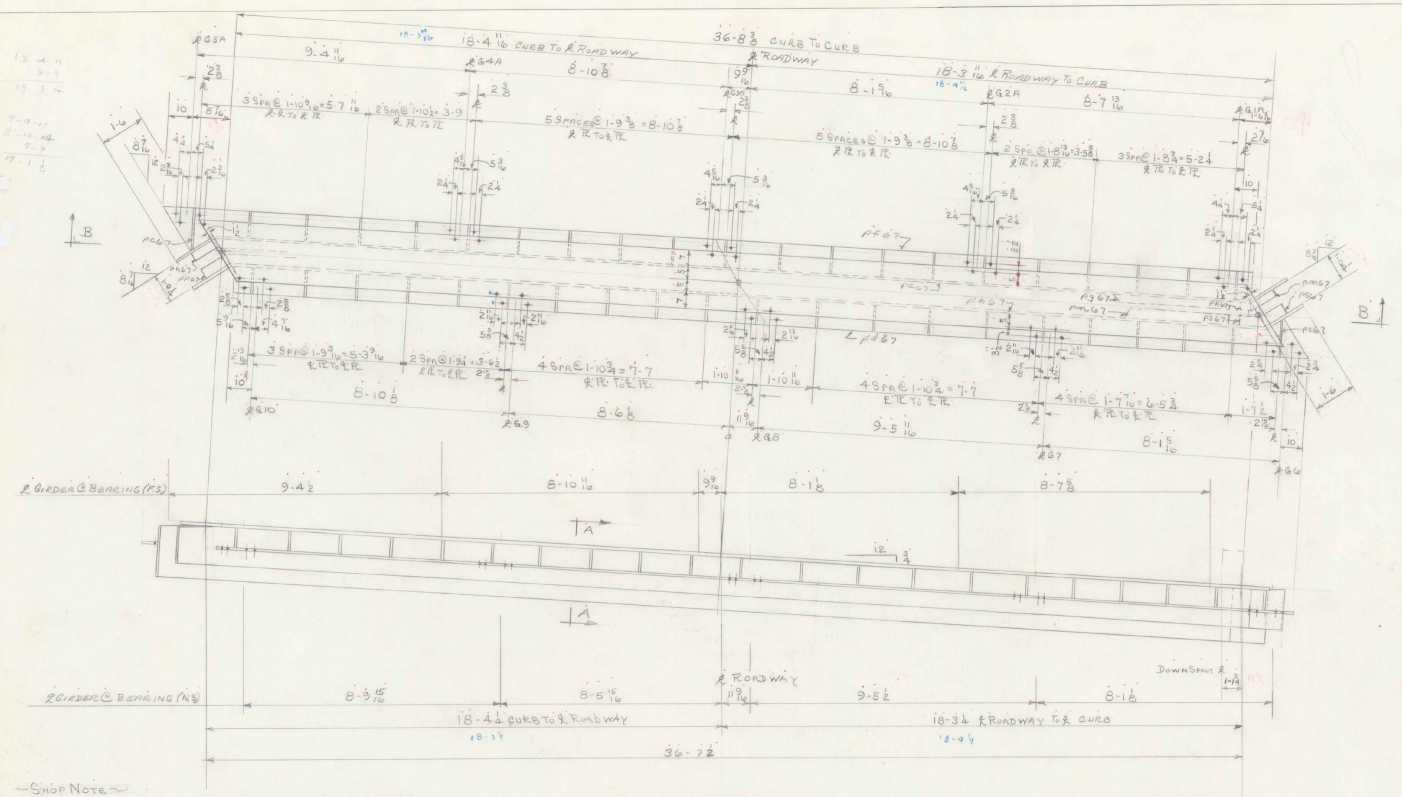
REVISED 2-27-67 HP

PROJ. NO. S-0167(3)

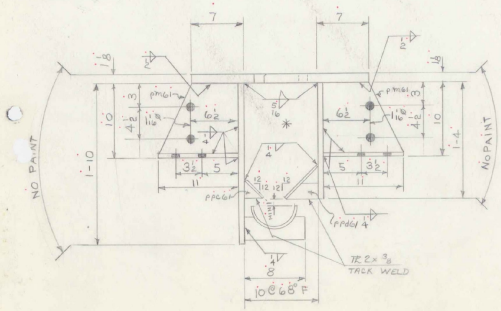
		DATE
DRAWN BY	RLM	1-10-67
CK'D BY	HP	1-20-67
HOLES		
BOLTS		
PAINT	3 - COATS	

PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W W WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 63

PRINT RECORD		
NO.	FOR	DATE
3	APP	1-23
4	SHOP	2-17
4	SHOP	2-27
2	STATE	2-28
1	W.W.W.	5-18



SHOP NOTE
WORK THIS SHEET WITH SHEET # 68 & 69
SECTION BB IS SHOWN ON SHEET # 68



SECTION AA

PAINT NOTE #
3 COATS OF PAINT
① 1ST COAT RL (VT SPEC)
② 2ND COAT DERUSTO GRAY PC75
③ 3RD COAT DERUSTO GREEN PC72

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ALL STEEL IS ASTM A-242 UNLESS OTHERWISE NOTED

BILL OF MATERIAL (2)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE EXPANSION DAM EDGE				
1	PA67	R 22 x 3/4	39	8 5/8	1 GRD A242 2 BBBGO	2366
1	PB67	R 16 x 3/4	39	8 5/8		1648
40	PM61	R 9 1/2 x 3/4 (A36)	0	11		
2	PC67	R 9 1/2 x 1/4 (A36)	1	6 1/2	1 GRD A242 2 BBBGO	656
1	PD67	TR 11 x 1/2 (A36)	37	6 1/4	1 GRD A242 2 BBBGO	
1	PA67	do	37	6 1/4		1432
1	PB67	BAR 4 x 1/2	35	8 3/8	1 GRD A242	
1	PM67	do	0	11	2 BBBGO	
1	PK67	do	0	7 3/4		
1	PM69	do	1	0 1/2	TACK FIELD	131
1	PM69	BAR 6 1/2 x 1/2	35	3 3/8	1 GRD A242	
1	PP67	do	1	1 1/2	2 BBBGO	
2	PS67	do	1	3 1/4	2 BBBGO	215
26	PP66	BAR 2 x 1/2	0	4 5/8	1 GRD A242 2 BBBGO	
26	PP661	do	0	2 3/8	2 BBBGO	28
1	PT67	TR 24 x 1 1/2	38	4 3/4	1 GRD A242 2 BBBGO	3587
18	PT361	L 5 x 3 x 3/8	1	8	STR	216
36		3/4" BOLTS	0	2 1/2	STR	19
		LS WELD	43	4		~~36~~ 58
		LS WELD	365	6		~~92~~ 99
						~~10326~~ 10265

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ # S-0167 (3)

		DATE
REV. REQ. APP.		3-10-67
DRAWN BY	RLM	1-17-67
CK'D BY		

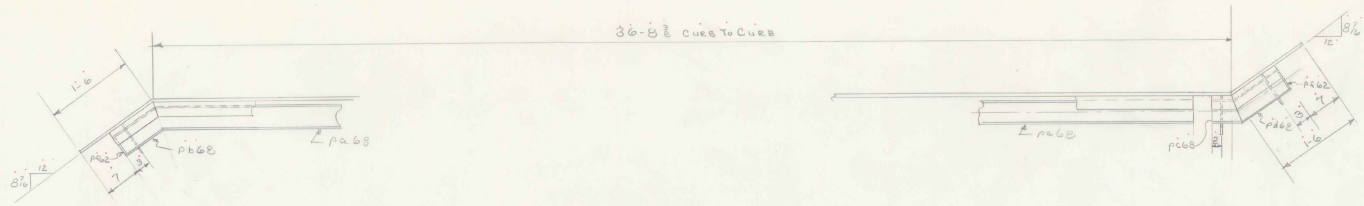
PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 67

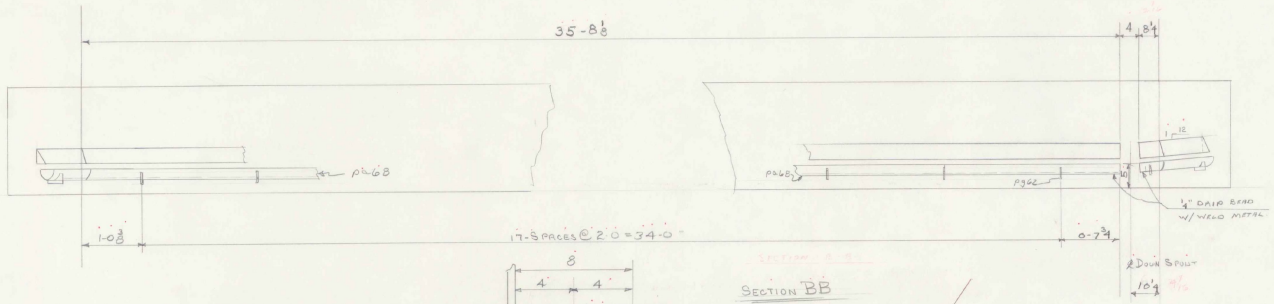
HOLES 13/16 AS NOTED
BOLTS 3/4
PAINT RL (VT SPEC) AS NOTED

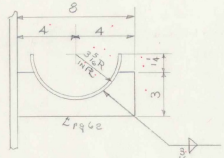
PRINT RECORD

NO.	FOR	DATE
3	APP	1-20
4TH	SHOP	3-13
2	STMTS	3-20
1	W.W.W	5-18

SM 1063 QCP

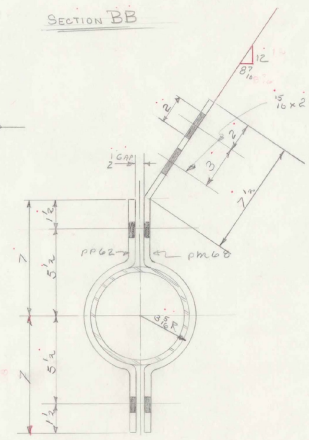






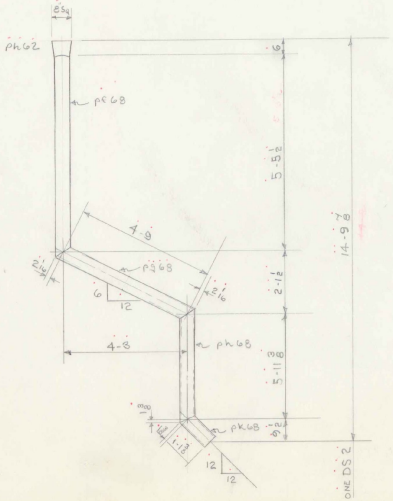
SECTION CC

SECTION BB



ALL RADIUS ARE ½" UNLESS NOTED

2-CLAMPS - CL2



SHOP INSPECTION BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

ASTM-A36 UNLESS NOTED BILL OF MATERIAL (21)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		ONE DRAIN TROUGH - SHOP WELD TO ED2 ON SHEET 67					
1	PL68	½"~6" STD W.I. PIPE	36	0			
1	PB68	do	0	10⅜			
1	PC68	do	0	5¹³/₁₆			
1	PD68	do	1	2¹³/₁₆		366	
2	PG62	D.W.I. BAR 3 x ⅜	0	6		3	
22	PS62	BAR 3 x 4 (ASTM A36)	0	8		37	
							406
		ONE DOWNSPOUT DS2					
4	PH62	W.I. BAR 8 x ⅜	0	11⅜		39	
1	PF68	6" STD W.I. PIPE	5	7⁹/₁₆			
1	PJ68	do	5	1⅛			
1	PH68	do	6	2¹³/₁₆		345	
1	PK68	do	1	2⅜			
							384
		2-PIPE CLAMPS - CL2					
2	PM68	BENT W.I. BAR 3 x ⅜	2	9¾		30	
2	PF62	do	1	7⅛			
		⅜" S WELD	22	0		3-V2	
							33-½
							822

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.
PROJ. S-0167(3)

REV PER APP 3-10-62 HP

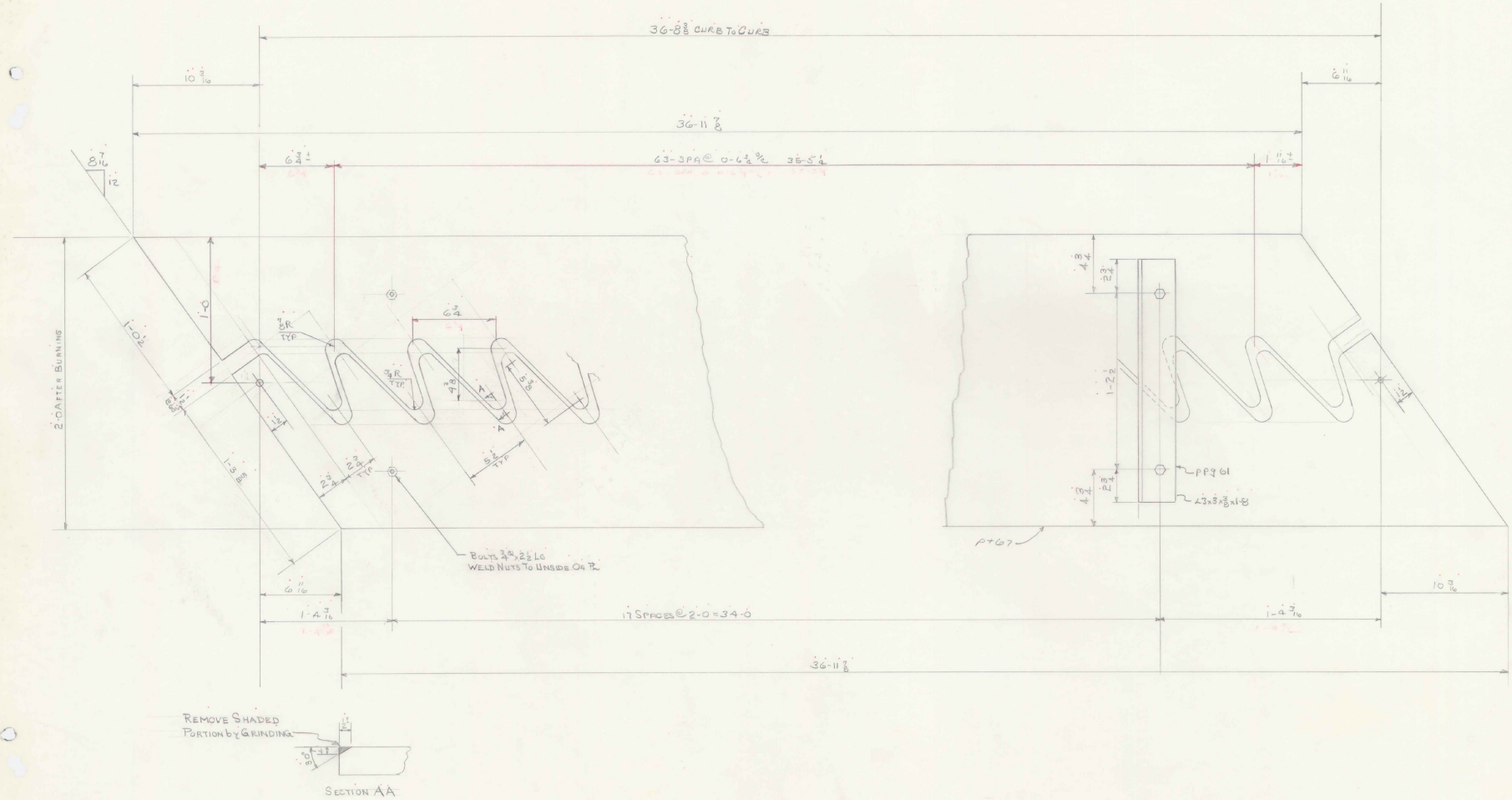
	BY	DATE
DRAWN BY	RJM	1-18-62
CK'D BY	HP	1-31-62

HOLES 13/16" UNLESS NOTED
BOLTS
PAINT RL (VT SPEC)

PROJECT VERMONT RTE 100
LOCATION MORETOWN VERMONT
CUSTOMER W.W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 68

PRINT RECORD NO.	FOR	DATE
3	APP	1-62
4D	SHOP	2-62
2	STATE	3-28
1	W.W.W.	5/16

SM 10-63 QCP



DETAIL OF FINGER PL FOR EXP. DAM ON SHEET NO 67

SHOP INSPECTION

BY Green

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

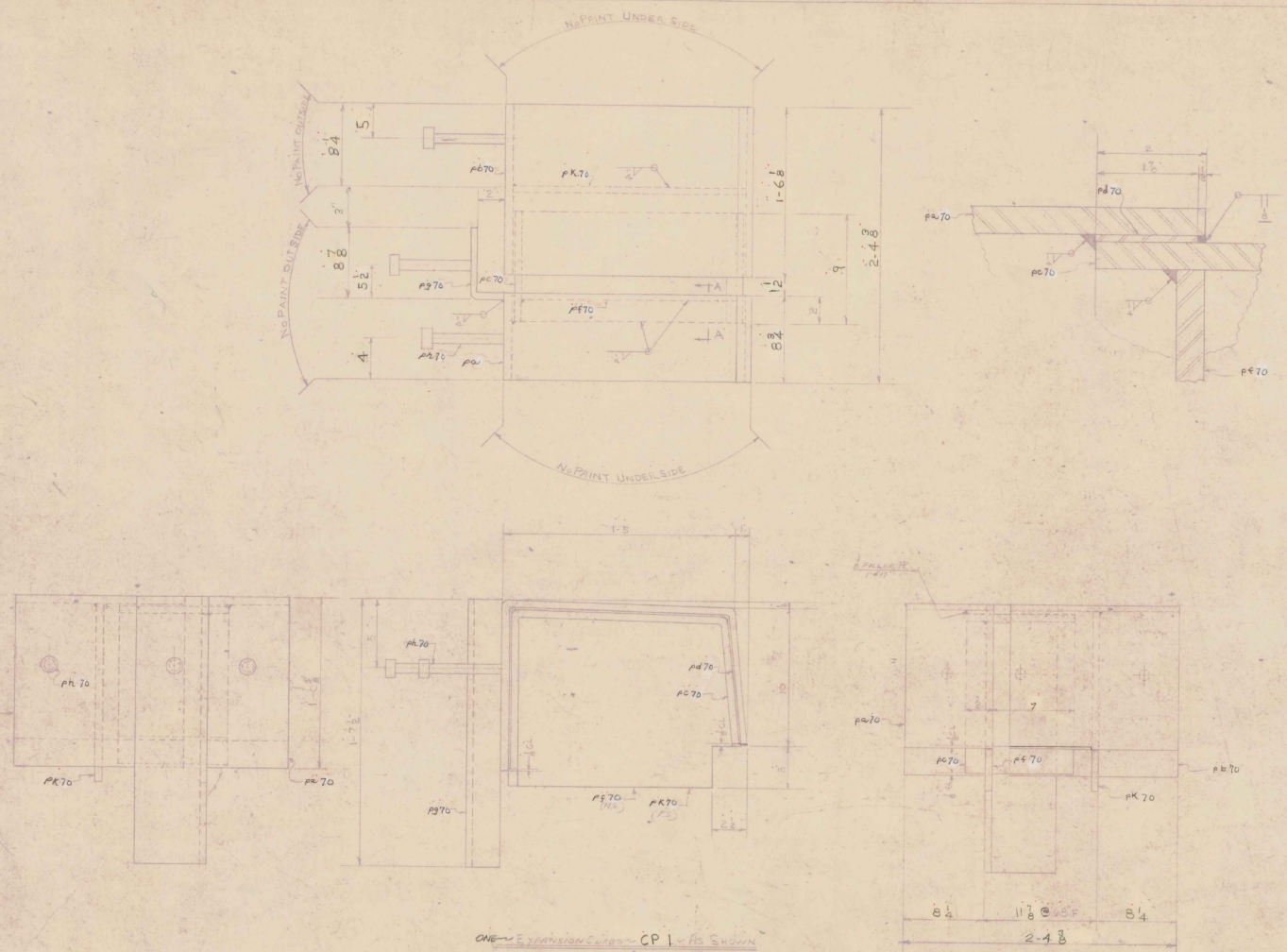
PROJ # S-0167 (3)

		DATE
DRAWN BY	RLM	1-18-67
CK'D BY	LP	1-25-67
HOLES		
BOLTS		
PAINT	RL (VT SPEC) 3-COATS	

PROJECT: VERMONT RTE # 100
LOCATION: MORE TOWN VERMONT
CUSTOMER: WW WYMAN
ARCHITECT: STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 69

PRINT RECORD

NO.	FOR	DATE
3	APP	1-23
4	SHOP	2-17
2	STATE	[illegible]
1	W.W.W.	5-1[illegible]



ONE ~ EXPANSION CURBS ~ CP 1 ~ AS SHOWN

ONE ~ EXPANSION CURBS ~ CP 2 ~ OPP HAND

PAINT NOTE:
3 - COATS OF PAINT.
1ST COAT RL (VT. SPEC)
2ND COAT DERUSTO GRAY PC75
3RD COAT DERUSTO GREEN PC72

SHOP INSPECTION
BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ALL STEEL IS ASTM A242 & AS NOTED

BILL OF MATERIAL (21)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ CP 1 & ONE CP 2				
2	pa70	PL 8 3/4 x 1/2	3	2 7/16	ORD B88875 48 x 17-0	98 ✓
2	pb70	PL 18 1/8 x 1/2	3	2 7/16		202 ✓
2	pc70	PL 9 x 1/2	3	0 5/8		96 ✓
2	pd70	3 AR 2 x 1/4 (A36)	3	0 7/16	STK	5 ✓
2	pK70	PL 13 x 1/2	1	5	ORD B88875 48 x 17-0	64 ✓
2	pf70	PL 12 3/8 x 1/2	1	3 3/4		56 ✓
2	pg70	PL 10 3/8 x 1/2	1	7 1/2		58 ✓
6	ph70	3/4 ø WELDING STUDS	0	6	STK	5 ✓
		1/4 ⅝ WELD	20	8		~~5~~ 3
						~~5.89~~ ✓ 5.87

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ # S-0167(3)

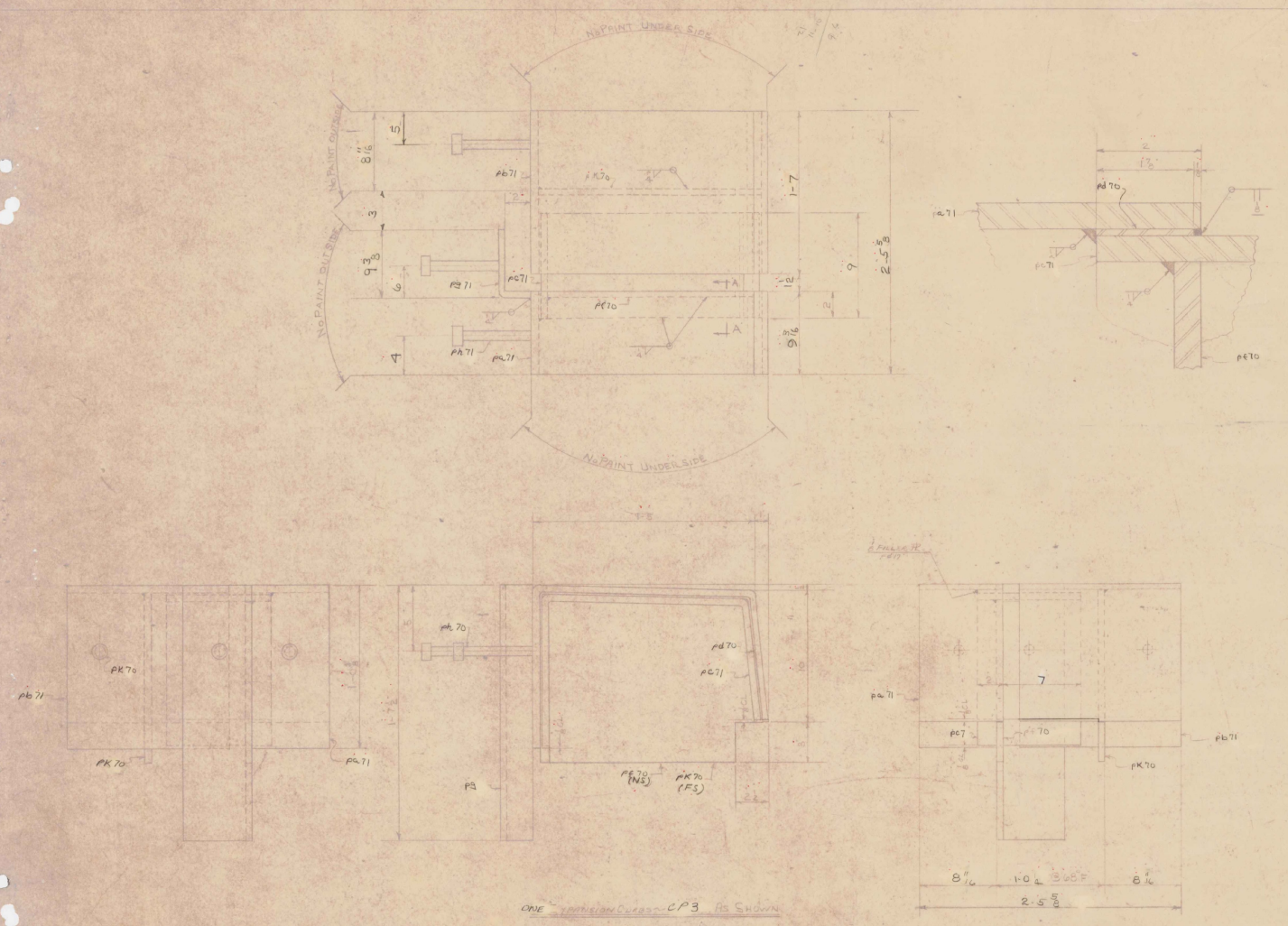
		DATE
DRAWN BY	RLM	1-12-67
CK'D BY	+P	1-23-67

PROJECT VERMONT RTE # 100
LOCATION MORETOWN VERMONT
CUSTOMER W W WYMAN

ARCHITECT STATE OF VT DEPT OF HIGHWAY
JOB NO. 66-1265 SHEET NO. 70

FINISH
BOLTS
PAINT RL (VT SPEC) & AS NOTED

PRINT RECORD NO.	FOR	DATE
3	APP	1-23
7 (2)	CHGD APP	2-17
2	STATE	2-28
1	WWW	5-18



ONE EXPANSION CURBS ~ CP3 AS SHOWN

ONE EXPANSION CURBS ~ CP4 OPP. HAND

PAINT NOTE
3 COATS OF PAINT
① ST COAT RL VT SPEC
② ND COAT DERUSTO GRAY PC75
③ RD. COAT DERUSTO GRAY PC72

SHOP INSPECTION

BY GREEN

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT

JOB NO. SHEET NO.

ALL STEEL IS ASTM A242 & AS NOTED

BILL OF MATERIAL (21)

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT
		ONE ~ CP3 & ONE CP4				
2	pa71	PL 9 3/16 x 1/2	3	2 7/16	ORDB888 75 48 x 17-0	103 ✓
2	pb71	PL 19 x 1/2	3	2 7/16		211 ✓
2	pc71	PL 9 x 1/2	3	0 7/8		96 ✓
2	pd70	BAR 2 x 1/4 (A36)	3	0 7/16	STK	5 ✓
2	pk70	PL 13 x 1/2	1	5	ORDB888 75 48 x 17-0	64 ✓
2	pf70	PL 12 3/8 x 1/2	1	3 3/4		56 ✓
2	pg71	PL 10 7/8 x 1/2	1	7 1/2		61 ✓
6	pk70	3/4 ϕ WELDING STUDS	0	6	STK	5 ✓
		1/4 ϕ WELD	20	8		~~5~~ 3
						~~606~~ 604

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

REV. PER APP 2-10-67 HP

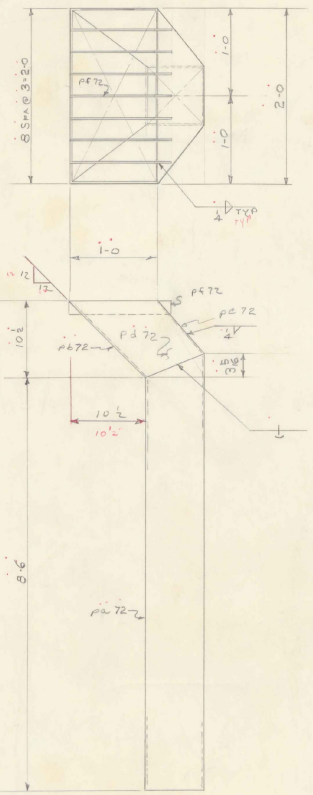
		DATE
DRAWN BY	PLM	1-A-67
CK'D BY	HP	1-23-67

PROJECT: VERMONT RTE 100
LOCATION: MORETOWN VERMONT
CUSTOMER: W. W. WYMAN
ARCHITECT: STATE OF VT DEPT OF HIGHWAY
JOB NO. 66 1265 SHEET NO. 71

HOLES
BOLTS
PAINT RL (VT SPEC) & AS NOTED

PROJ. S-0167 (3)

PAINT RECORD		
NO.	FOR	DATE
3	APP	1-23
7 (1)	SHOP APP	2-17
2	STAM	2-28
1	W.W.W.	5-18



4-SCUPPER SP1

SHOP INSPECTION

BY Green

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	

JOB NO. SHEET NO.

BILL OF MATERIAL

NO. PIECES	MARK	DESCRIPTION	LENGTH FT.	LENGTH IN.		WEIGHT	
		4-SCUPPER SP1			(45)		
4	pa72	STR TUBE 8x8x5/16	8	9 5/16		1097 ✓	
4	pb72	PL 24x5/16	1	2 7/8	STK		
4	pc72	do	0	9 1/16		219 ✓	
8	pd72	PL 18½x5/16	1	1 7/16		183 ✓	
28	pf72	BAR 2x½	1	2		111 ✓	
		PLAIN MATERIAL			(13)		
4		BARS 2x½	2	0		27 ✓	
		¼ f WELD	20	0		~~5~~ ✓	3
		FIELD MATERIAL			(11)		
2300		7/8 Ø HI-TEN BOLTS	0	2¼		2123 ✓	
2000		do	0	2½		1928 ✓	
1200		do	0	4½		1541 ✓	
5500		7/8 Ø HARD WASHERS				550 ✓	
							~~7784~~ ✓
							7782

VERMONT STRUCTURAL STEEL CORPORATION
BURLINGTON, VT.

PROJ S-D167 (3)

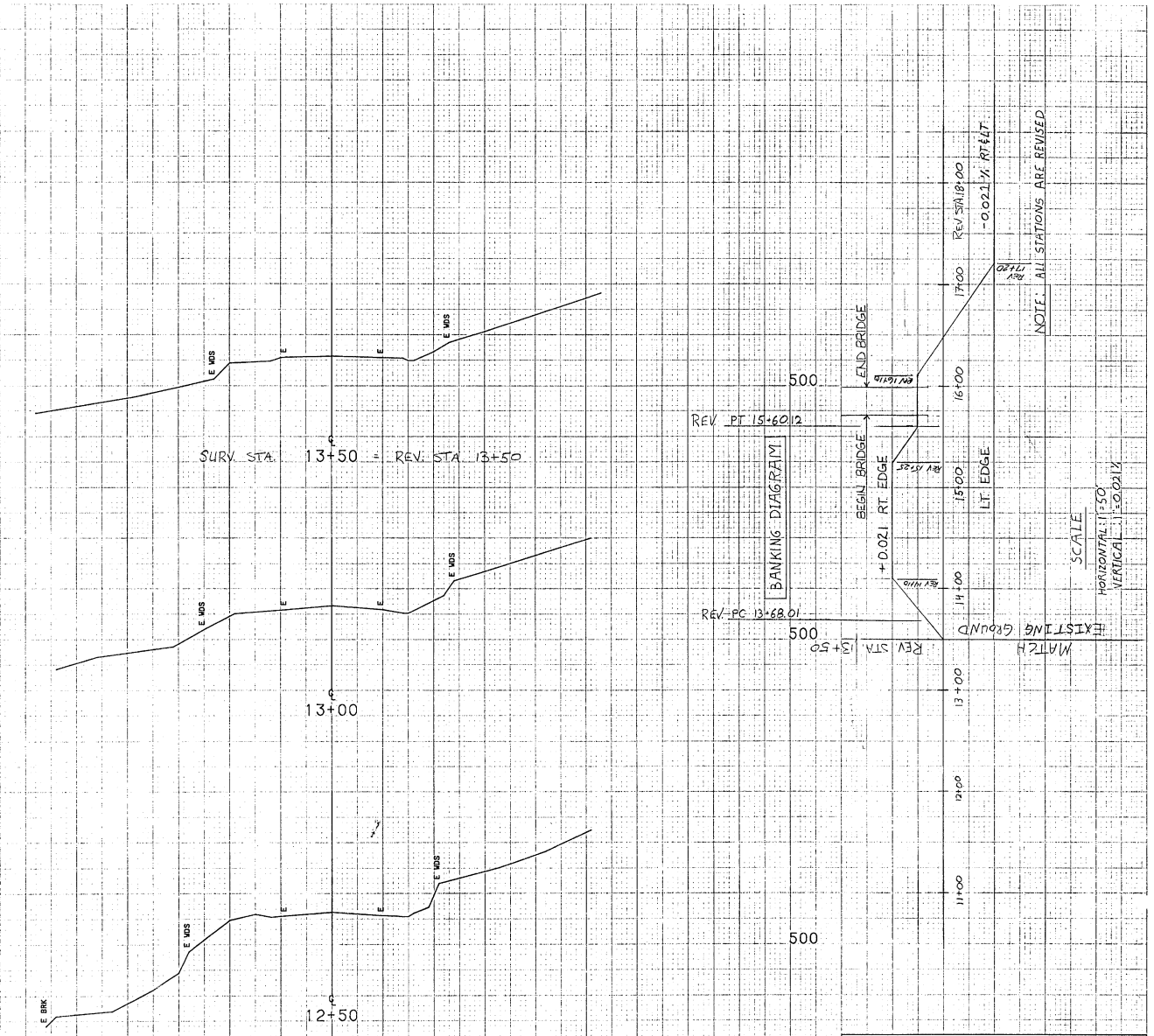
REV. PCA MPP 2-10-67 HP

		DATE
DRAWN BY	RLM	1-19-67
CK'D BY	HP	1-23-67

HOLES
BOLTS
PAINT RL (VT SPEC)

PROJECT VERMONT RYE #100
LOCATION MORETOWN VERMONT
CUSTOMER W. W. WYMAN
ARCHITECT STATE OF VT DEPT OF HIGHWAYS
JOB NO. 66-1265 SHEET NO. 72

PRINT RECORD NO.	FOR	DATE
3	MPP	1-23
4 (1)	SHOP	2-17
2	STOP	2-20
1	W.W.W.	5-18



FROM STA. 12+50		TO STA. 13+50	
PROJECT NAME	RUPERT MAIN1		
NO.	BRZ1441 (22)		PLOTTED 04/23/91
SURVEYED BY	GILMAN		04/91 0343

INDEX OF SHEETS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

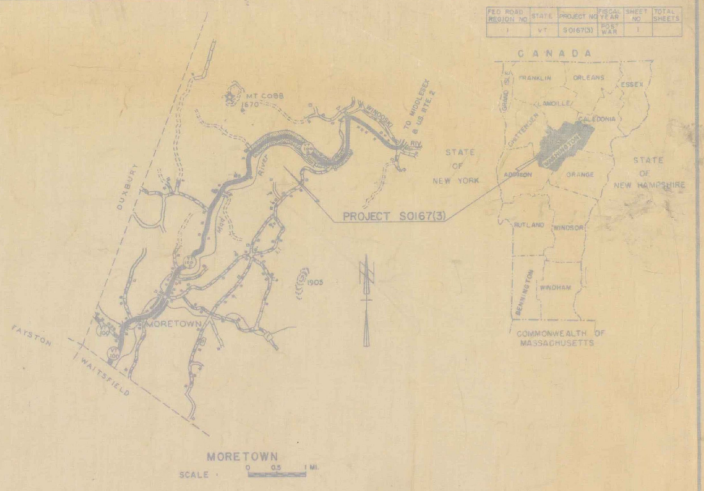
PROPOSED IMPROVEMENT

FEDERAL AID SECONDARY PROJECT

TOWN OF MORETOWN
COUNTY OF WASHINGTON
VERMONT ROUTE # 100-B
MORETOWN - MIDDLESEX ROAD

BEGINNING AT A POINT APPROXIMATELY 3.1 MILES SOUTHWESTERLY OF THE MORETOWN - MIDDLESEX TOWN LINE AND EXTENDING EASTERLY 1.894 MILES.

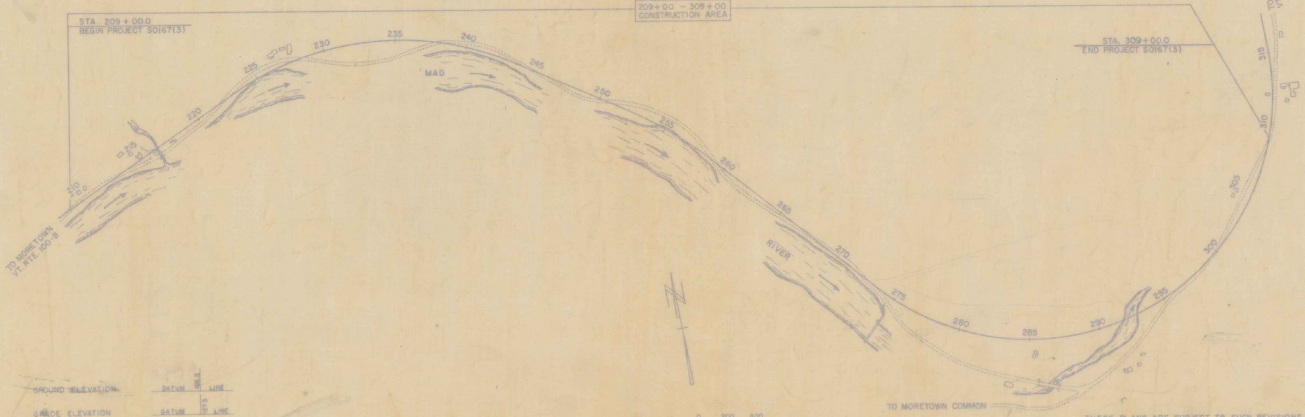
FED. ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT.	S 0167(3)	1966 WAN	1	



MORETOWN
SCALE: 0 0.5 MI.

1960 ADT 1020
1980 ADT 2260
1980 DHV 320
V 50 MPH
D 62%
T 5%

209+00 – 309+00 CONSTRUCTION AREA



PLAN SCALE: 0 200 400 — 400 FEET

CONVENTIONAL SIGNS

RIGHT-OF-WAY
SLOPE RIGHTS
COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER LINE
SURVEY LINE
CULVERT
SIGNBOARD
TRANSMISSION LINE
POWER POLE
TELEPHONE POLE
TREES
HEDGE

GROUND ELEVATION ..... DATUM MSL LINE
GRADE ELEVATION ..... DATUM MSL LINE

CURVE DATA

DEFLECTION OF ANGLE	Δ
DEGREE OF CURVE	D
RADIUS OF CURVE	R
TANGENT DISTANCE	T
LENGTH OF CURVE	L
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	PI
POINT OF CURVE	PC
POINT OF TANGENT	PT
POINT ON TANGENT	POT
POINT ON SUB-TANGENT	POST

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION OF JANUARY 1956 SUBMITTED TO THE BUREAU OF PUBLIC ROADS AS APPROVED JULY 5, 1956, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

APPROVED ASST. CHIEF ENGINEER	APPROVED SECONDARY ENGINEER	APPROVED CONSTRUCTION ENGINEER	APPROVED BRIDGE ENGINEER	APPROVED DISTRICT ENGINEER	APPROVED HIGHWAY ENGINEER	APPROVED
DATE	DATE 5/21/64	DATE	DATE	DATE 5/19/64	DATE 5/21/64	DATE 5/21/64

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

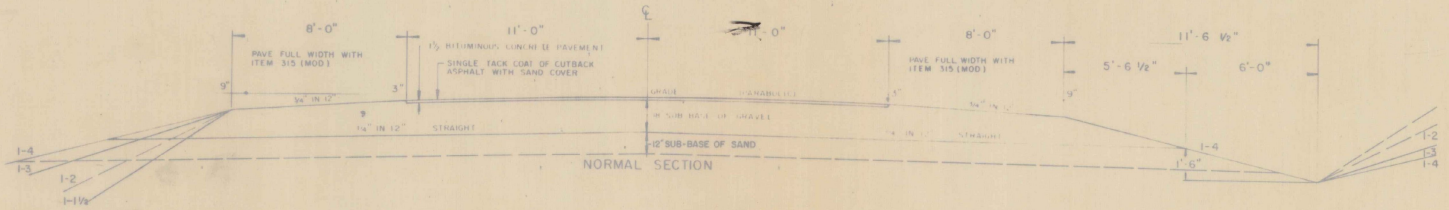
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED
DIVISION ENGINEER DATE

PROJECT S NO. 0167(3)
SHEET 1 OF SHEETS

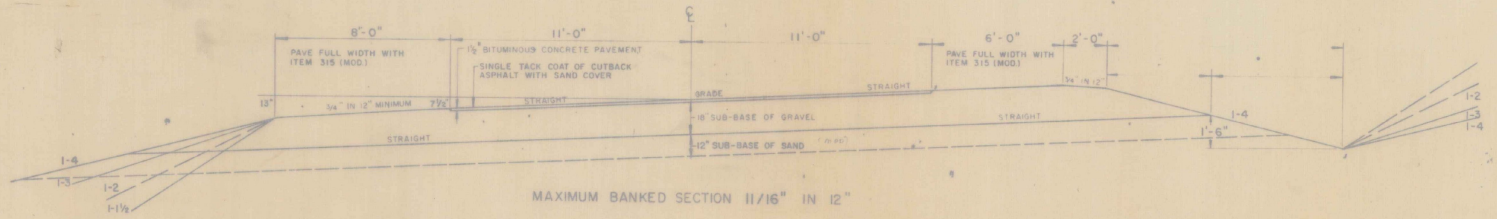
TYPICAL SECTIONS

1½" BITUMINOUS CONCRETE PAVEMENT (SPECIAL ONE-COURSE MIX), ITEM 361-C (MOD)
SINGLE TACK COAT OF CUTBACK ASPHALT WITH SAND COVER, ITEM 316-B
DOUBLE TACK COAT OF BITUMINOUS MATERIAL WITH PEA STONE AND STONE GRITS SEAL,
PRIME COAT OF REFINED TAR AND DOUBLE SEAL COAT OF CUTBACK ASPHALT, ITEM 315 (MOD)
18" SUB-BASE OF GRAVEL, ITEM 201-A
12" SUB-BASE OF SAND, ITEM 202 (TO BE USED WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER)

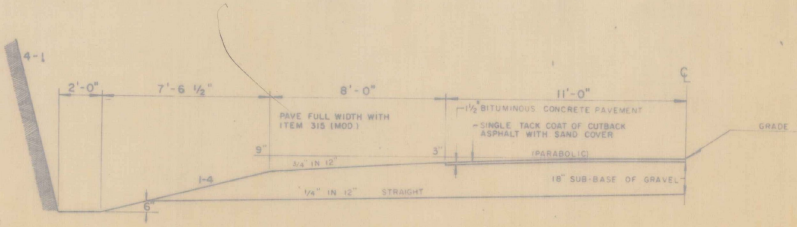
PARABOLIC DETAIL



NORMAL SECTION

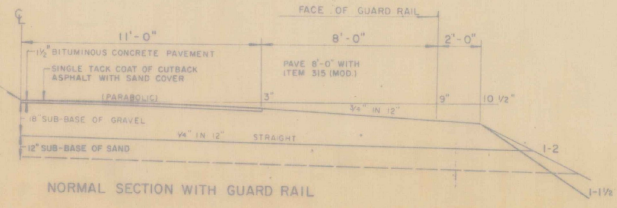


MAXIMUM BANKED SECTION 11/16" IN 12"



NORMAL SECTION IN SOLID ROCK EXCAVATION

(SEE STANDARD SHEET A-61 FOR "DRILLING AND BLASTING OF SOLID ROCK SUB-GRADE", ITEM 114)



NORMAL SECTION WITH GUARD RAIL

GENERAL NOTES

WOOD MARKER POSTS, ITEM 548-C
TO BE PLACED AS DIRECTED BY THE ENGINEER

WINTER RYE, ITEM 610
TO BE APPLIED AS DIRECTED BY THE ENGINEER AT THE RATE OF 50 LBS PER ACRE

SEEDING, ITEM 611
TO BE APPLIED AS DIRECTED BY THE ENGINEER

CREEPING RED FESCUE	20 LBS PER ACRE
TALL FESCUE	6 LBS PER ACRE
KENTUCKY BLUE GRASS	10 LBS PER ACRE
RED TOP	5 LBS PER ACRE
DOMESTIC RYE GRASS	10 LBS PER ACRE
BIRDSFOOT TREFOIL	5 LBS PER ACRE
INERT MATERIAL, WEEDS ETC	4 LBS PER ACRE
TOTAL	60 LBS PER ACRE

COMMERCIAL FERTILIZER FOR GRASSES, ITEM 615
FORMULA 10-20-10 TO BE USED WITH SEEDING, ITEM 611, APPLIED AT THE RATE OF 500 LBS PER ACRE

TOPSOIL, ITEM 621
TO BE USED WITH SEEDING, ITEM 611, IN RESIDENTIAL AREAS, AS DIRECTED BY THE ENGINEER.

MULCH, ITEM 622 (MODIFIED)
TO BE PLACED ON EARTH SLOPES AT THE RATE OF 1½ TONS PER ACRE

ALLOWABLE TOLERANCES

SURFACE COURSE	± ¼"
SUB-BASE	± ½"
CONTROLLED MATERIAL	± 1"

TYPICAL SLOPE GRADING
SEE STANDARD SHEET B-5

TOWN OF MORETOWN

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

DRAWN BY W.D.L. 1964 | TRACED BY W.D.L. 1964
PROJ. S Nº 0167(3) | SHEET 2 OF

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1	MORGAN, RALPH E. & IRMA B.	10	207+00 LT. 208+82 LT. 209+33 LT.	209+34 LT.	0.22 A	4.88 A	 DRIVE DRIVE						SHED 2,330 SQ. FT. PRESENT R.O.W.
2	KENNEDY, RAYMOND C. & ANGELIA R.	10	207+00 RT. 209+20 RT. 209+33 LT. 210+14 LT. 210+90 CL.	212+54 RT.	1.0 A	126.5 A	DRAINAGE DRIVE DRIVE SEWER LINE CROSSING						0.35 A PRESENT R.O.W.
3	KENNEDY, GENE R. & NANCY R.	10	211+97 LT.	215+87 LT.	0.05 A	2.5 A							HOUSE & GARAGE 750 SQ. FT PRESENT R.O.W.
4	THOMPSON, CLYDE A. & DELLA M.	10	212+20 LT. 216+10 LT.	216+28 RT. 216+30 RT.	1.0 A	7200 SQ. FT.	 CHANNEL						HOUSE & GARAGE 0.5 A PRESENT R.O.W.
5	ROBERTSON, ERNEST J. & THELMA R.	10, 11	215+85 LT. 216+00 RT. 215+30 LT.	219+72 RT. 216+30 RT. 215+85 LT.	1.3 A	33.7 A	 CHANNEL CHANNEL						HOUSE & STORAGE BLDG. 0.2 A PRESENT R.O.W.
6	ALGER, EARL W. & BIRD S.	11	219+28 LT. 222+00 LT. 224+50 LT. 227+30 LT. 228+00 LT. 229+00 RT. 226+70 CL. 227+90 LT.	232+25 LT.	4.7 A	87.8 A	 DRIVE DRIVE DRIVE DRIVE DRIVE SEWER LINE CROSSING DRAINAGE INLET						1.3 A PRESENT R.O.W.
7	WARD, OWEN M. & WYMAN B.	11, 12	230+34 RT 237+00 RT.	238+35 LT.	4.2 A	9.8 A	 DRIVE DRAINAGE						0.9 A PRESENT R.O.W.
8	WARD LUMBER CO. INC.	235+00 12, 13, 14	235+46, 238+00 RT 238+07 RT.	274+25 RT.	16.5 A	63.5 A							4.1 A PRESENT R.O.W.
9 A	WARD, MERLIN B. & ALINE H.	14	273+85 LT. 275+50 RT. 280+30 RT.	282+20 RT.	3.9 A	13.2 A	 DRAINAGE DRAINAGE						2000 SQ. FT. PRESENT R.O.W.
B		15	3+65 S.L.	5+15 S.L.	0.1 A								
10	BROOKS, WALTER C. & ANNA M.	15	282+25 LT. 285+50 CL. 287+00 RT. 289+00 LT. 287+50 RT. 288+00 RT.	293+50 LT.	4.8 A	61.2 A	 WATER PIPE CROSSING DRIVE DRIVE DRAINAGE DRAINAGE						
11	BRUCE, CLIFFORD A. & CORA E.	15, 16	291+75 RT. 294+75 RT. 297+50 LT. 300+30 LT. 300+84 LT. 307+38 LT. 304+08 LT.	310+50 RT.	7.0 A	152.0 A	 APPROACH DRAINAGE DRAINAGE DRAINAGE DRAINAGE DRIVE						2.2 A PRESENT R.O.W.
12	TOWN OF MORETOWN	10	209+00 LT.	210+00 LT.									ALL RIGHT, TITLE, AND INTEREST IN T.R. "7
13	RYAN, LYLE W. & HOWARD E.	15	3+65 S.L. 5+00 S.L. RT.	5+15 S.L.	3,725 SQ FT.	0.4 A	 DRIVE						

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	11, 12	Take line revised at Nec Hrg.	11-16-64	JTC	

LEGEND

- ——III—— - - ——III—— TAKING WITHOUT ACCESS
- ——III—— $\mathcal{L}$ ——III—— TAKING WITHOUT ACCESS ALONG PROPERTY LINES
- ——— — — ——— TAKING WITH ACCESS
- ——SR——SR—— SLOPE RIGHTS
- ——— ——— ——— PROPERTY LINE
- —Δ——Δ——Δ— TOP OF CUT
- —O——O——O— TOE OF SLOPE

MADE BY: R. Galbraith DATE 5/14/64

CHECKED BY: J. T. Cariappi DATE 5/15/64

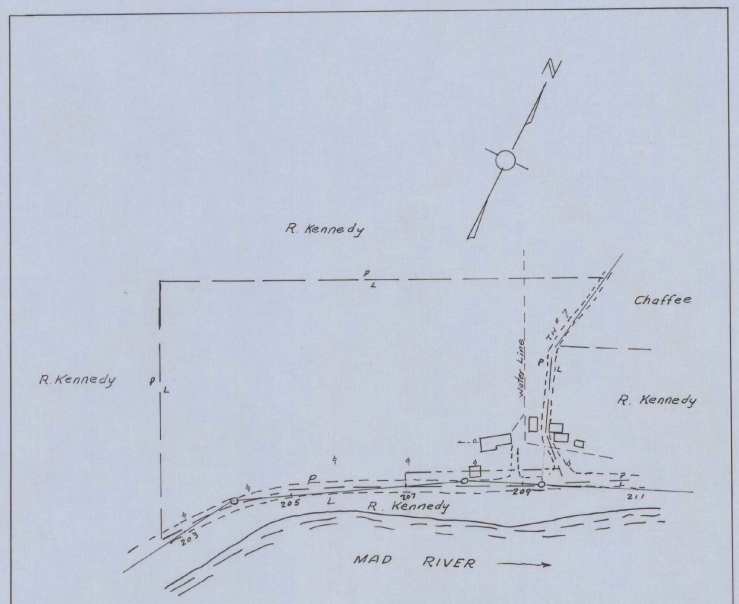
APPROVED J.C. Bernatchez PROGRAM SUPERVISOR DATE 5-21-64

APPROVED G. W. Stone ASST. ENGR. DATE 5-21-64

APPROVED H.P. Lindgren R.O.W. DIRECTOR DATE 5-21-64

MORETOWN S 0167(3)

SHEET 3 OF 16 SHEETS

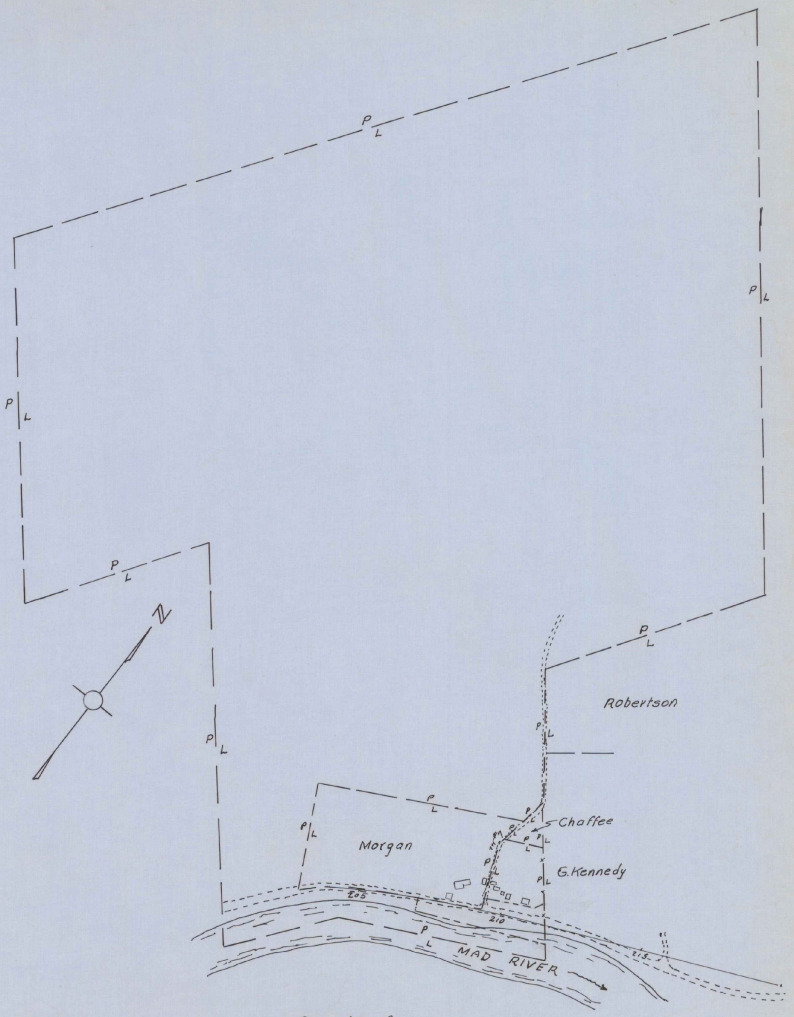


Property of
RALPH E. & IRMA B. MORGAN

Total Area	5.0 A
Taking	0.22
Remainder	4.88

PARCEL
(1)

0' 100' 200'
SCALE



Property of
RAYMOND C. & ANGELIA KENNEDY

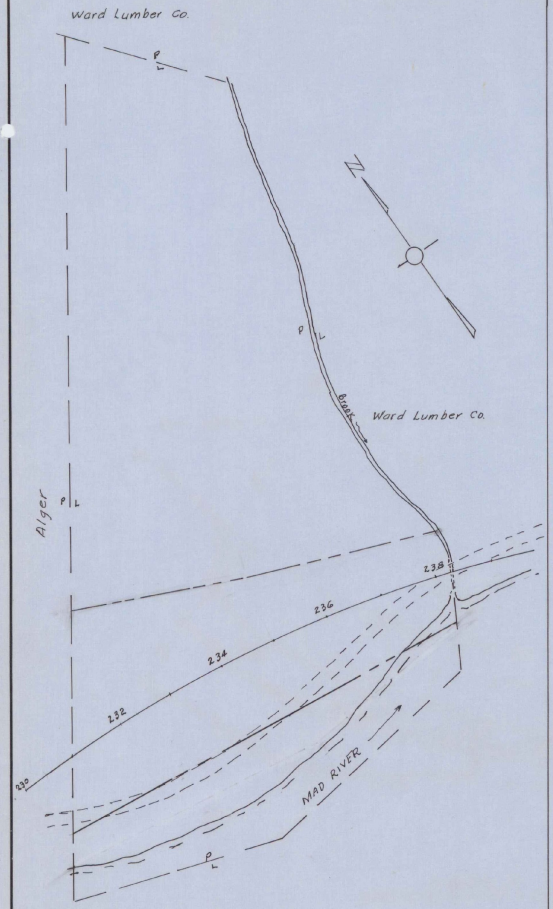
Total Area	127.5 A
Taking	1.0
Remainder	126.5

PARCEL
(2)

0 200' 400'
SCALE

SURVEYED BY _____ DATE _____
DRAWN BY W.B. Lowe DATE 8-1-64
TRACED BY E.G. Gibson DATE 8-7-64

MORETOWN
PROJ. S NO. 0167 (3)
SHEET 4 OF 16

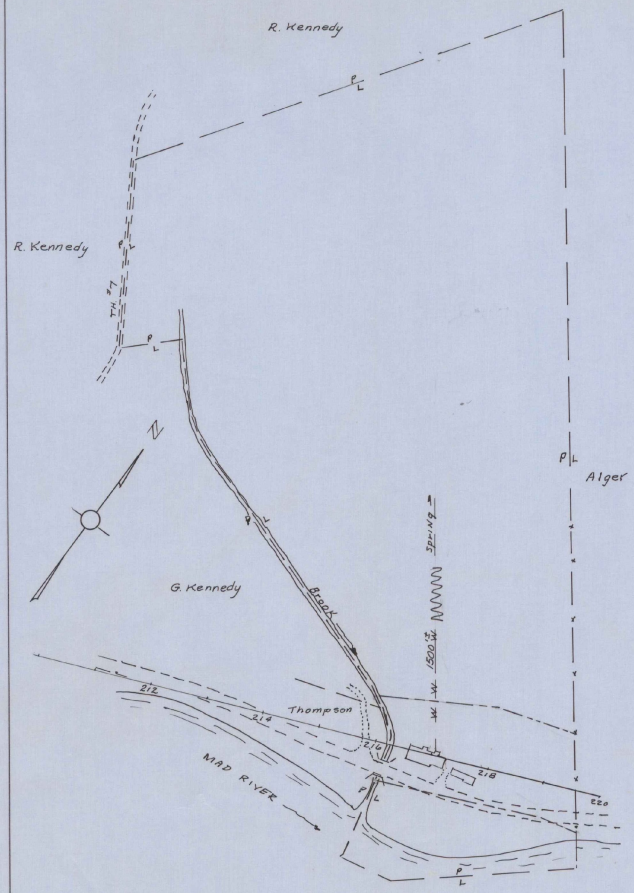


Property of
OWEN M. & WYMAN B. WARD.

Total Area 14.0 A
Taking 4.2 A
Remainder 9.8 A

PARCEL
7

0 100' 200'
SCALE

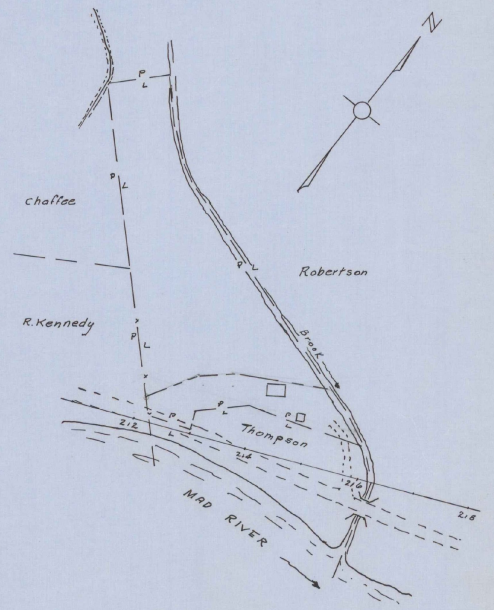


Property of
ERNEST J. & THELMA R. ROBERTSON

Total Area 35.0 A
Taking 1.3
Remainder 33.7

PARCEL
5

0 100' 200'
SCALE



Property of
GENE R. & NANCY D. KENNEDY

Total Area 2.7 A
Taking 0.5
Remainder 2.2

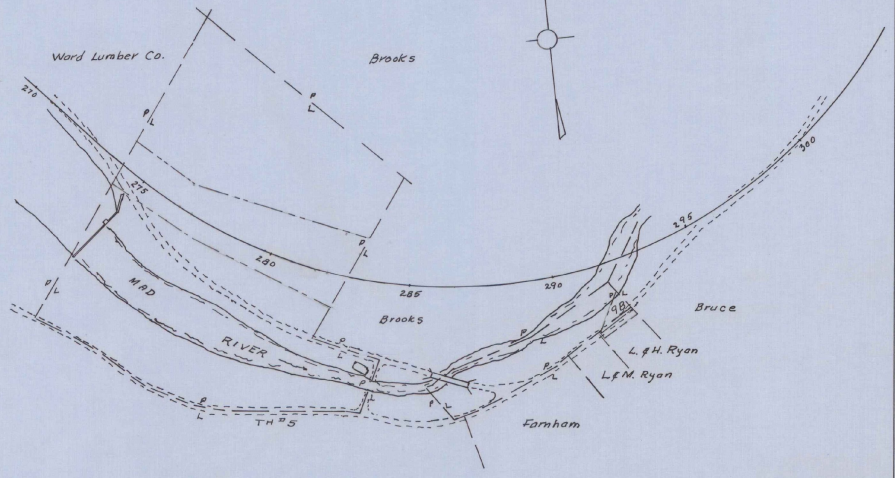
PARCEL
3

0 100' 200'
SCALE

SURVEYED BY _____ DATE _____
DRAWN BY W.E. LOWE DATE 4-1-64
TRACED BY E. Glysson DATE 4-2-64

MORETOWN

PROJ. S NO. 0167 (3)
SHEET 5 OF 16

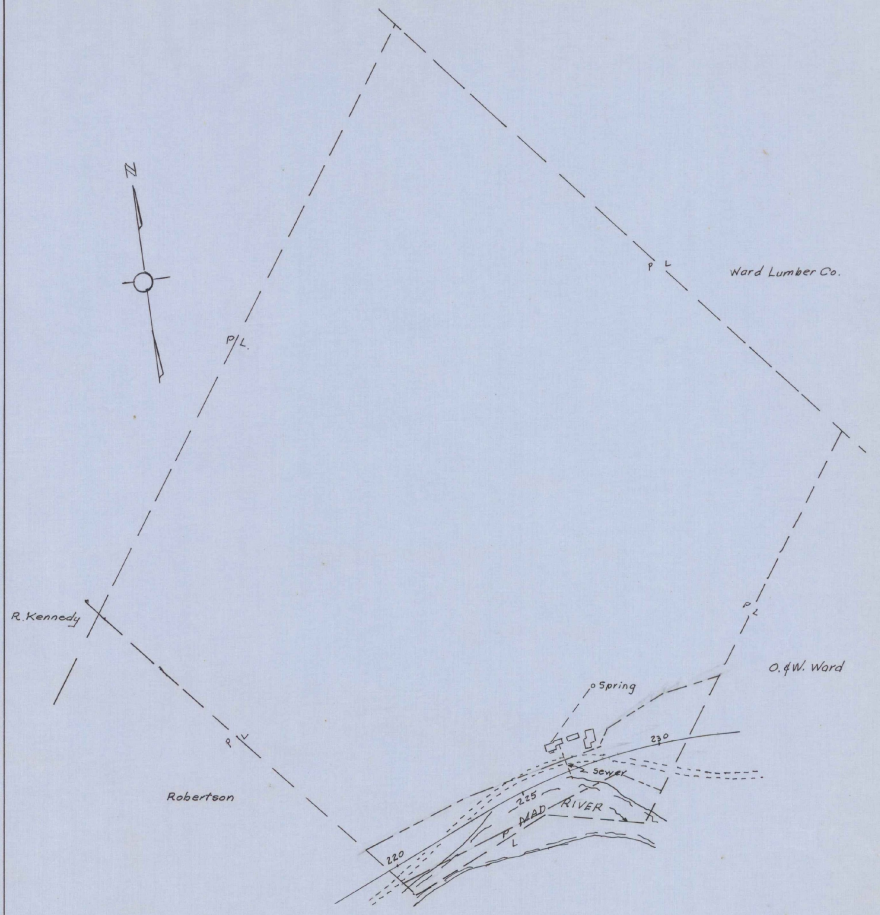


Property of
MERLIN B. & ALINE H. WARD

Total Area 17.25 A
Taking 4.0
Remainder 13.25

PARCEL
(9)

0 200 400
SCALE



Property of
EARL W. & BIRD S. ALGER

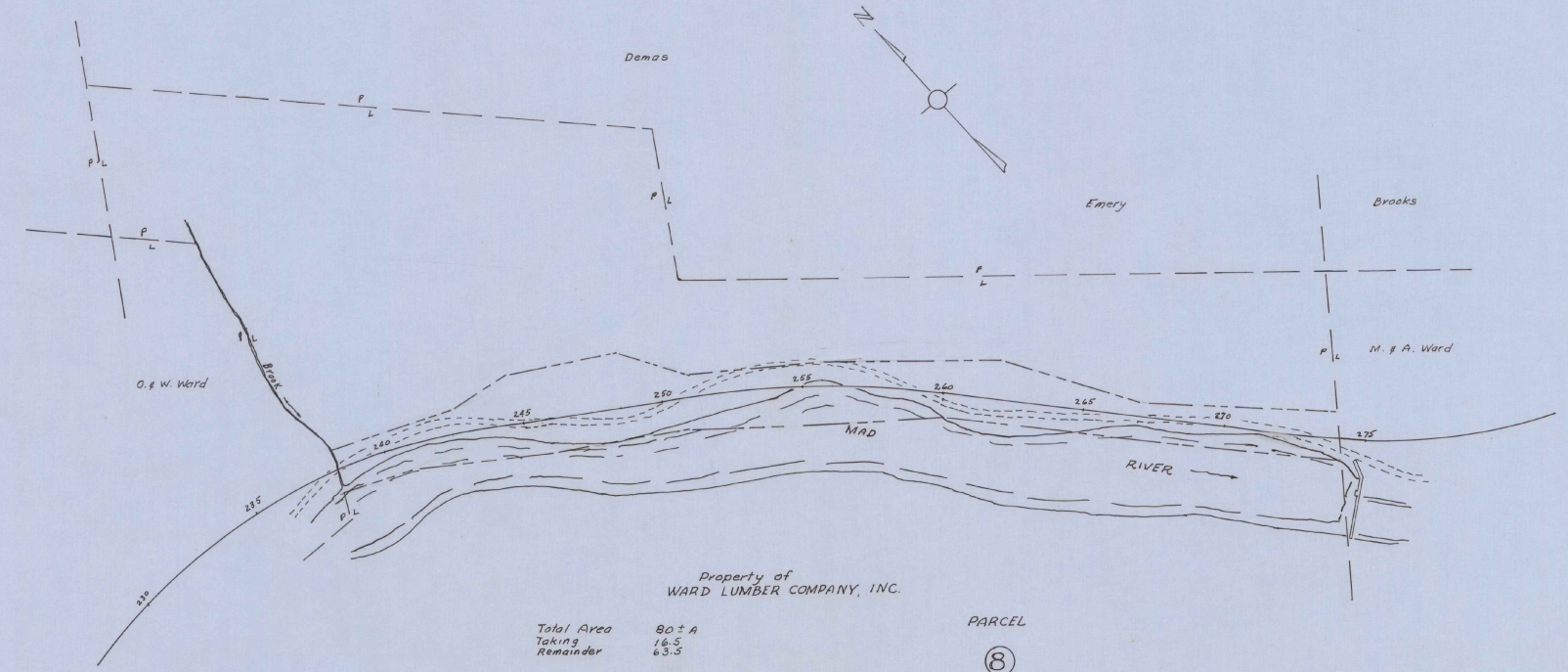
Total Area 92.5 A
Taking 4.7
Remainder 87.8

PARCEL
(6)

0 200 400
SCALE

SURVEYED BY _____ DATE _____
DRAWN BY W. E. LOWE DATE 4-1-64
TRACED BY E. Glysson DATE 5-2-64

MORETOWN
PROJ. S NO. 0167 (3)
SHEET 6 OF 16



Property of
WARD LUMBER COMPANY, INC.

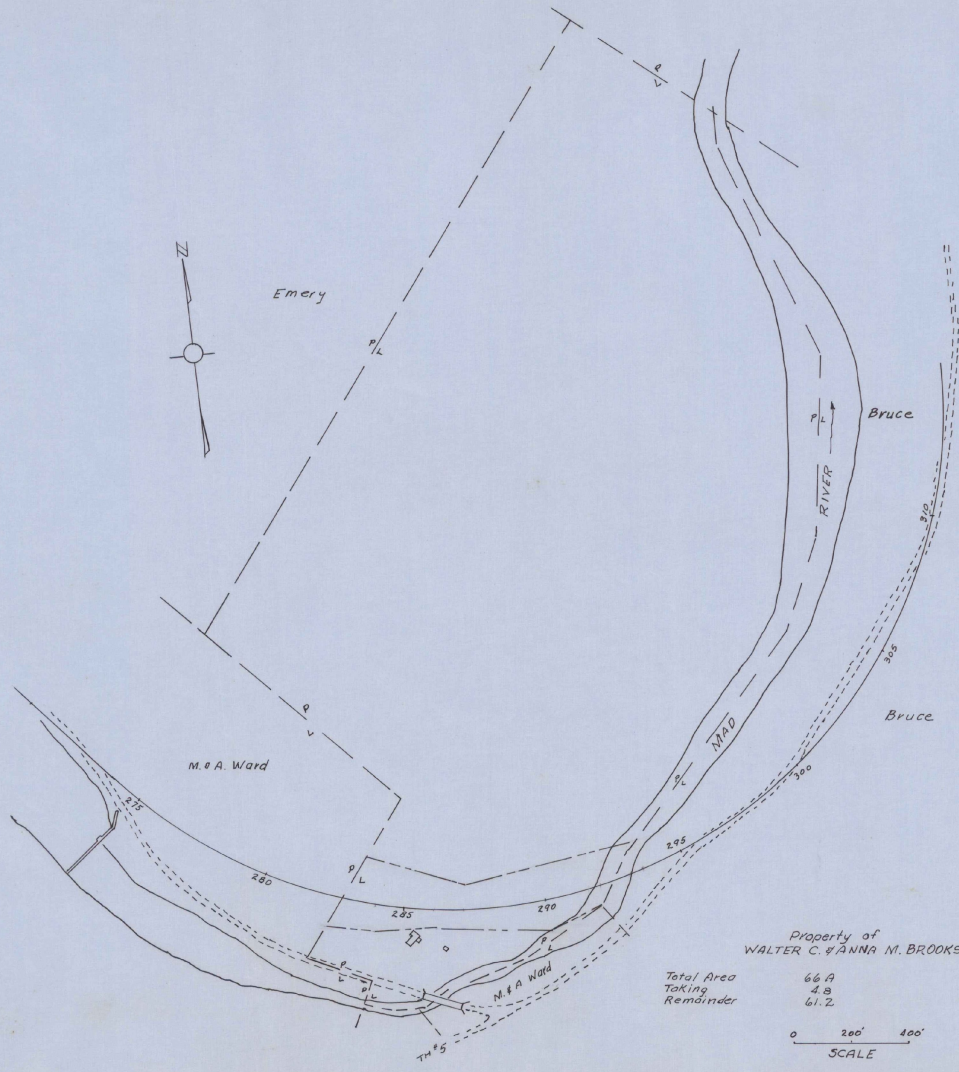
Total Area	80 ± A
Taking	16.5
Remainder	63.5

PARCEL
(8)

0 200' 400'
SCALE

SURVEYED BY _____ DATE _____
DRAWN BY W.B. LOWE DATE 4-3-68
TRACED BY E. Glysson DATE 4-6-68

MORETOWN
PROJ. S NO. 0167 (3)
SHEET 7 OF 16



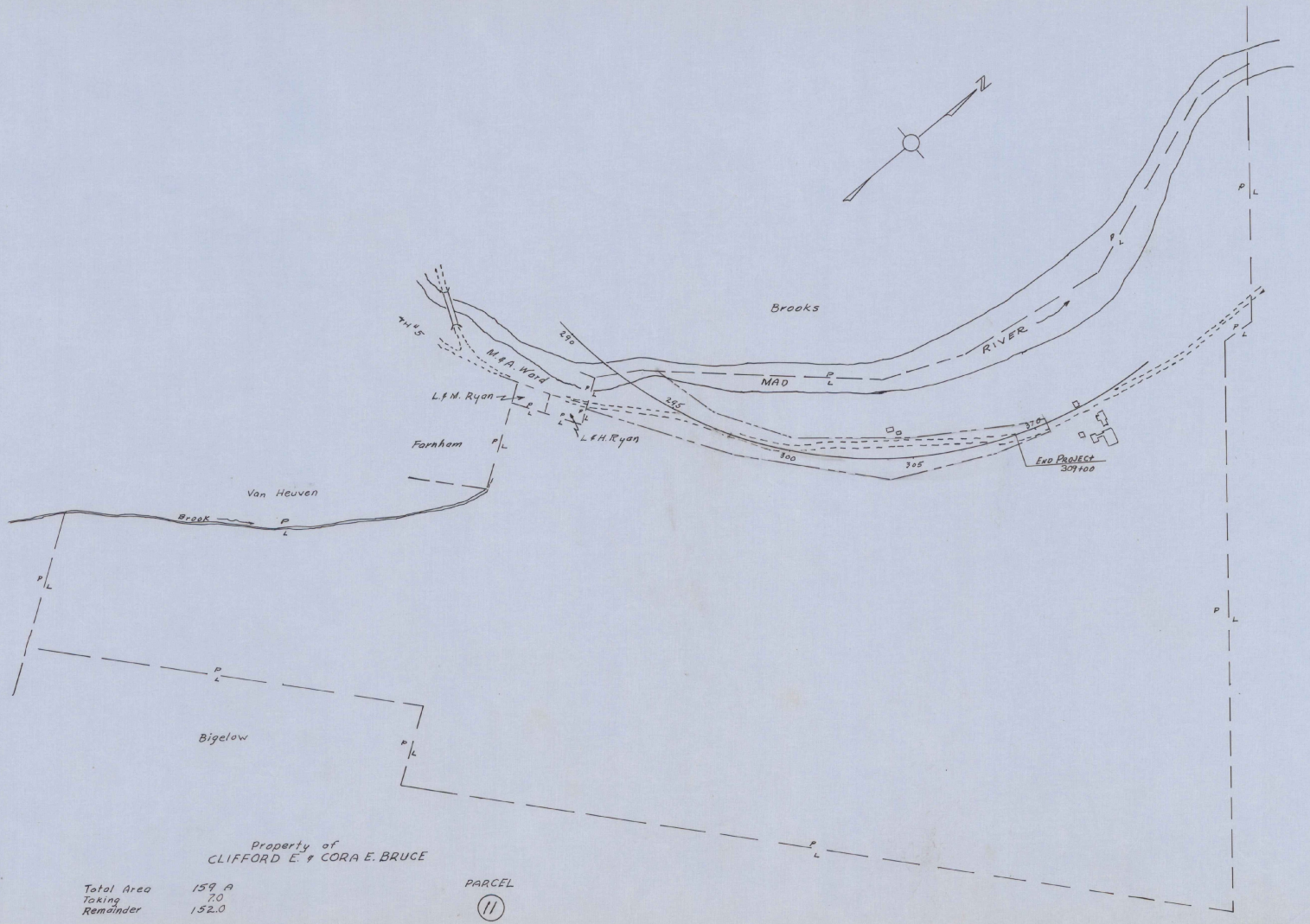
Property of
WALTER C. & ANNA M. BROOKS

Total Area	66 A
Taking	4.8
Remainder	61.2

PARCEL
(10)

SURVEYED BY _____ DATE _____
DRAWN BY W.E.LOWE DATE 4-5-68
TRACED BY E.Olysson DATE 4-6-68

MORETOWN
PROJ. S NO. 0167(3)
SHEET 8 OF 16



Property of
CLIFFORD E. & CORA E. BRUCE

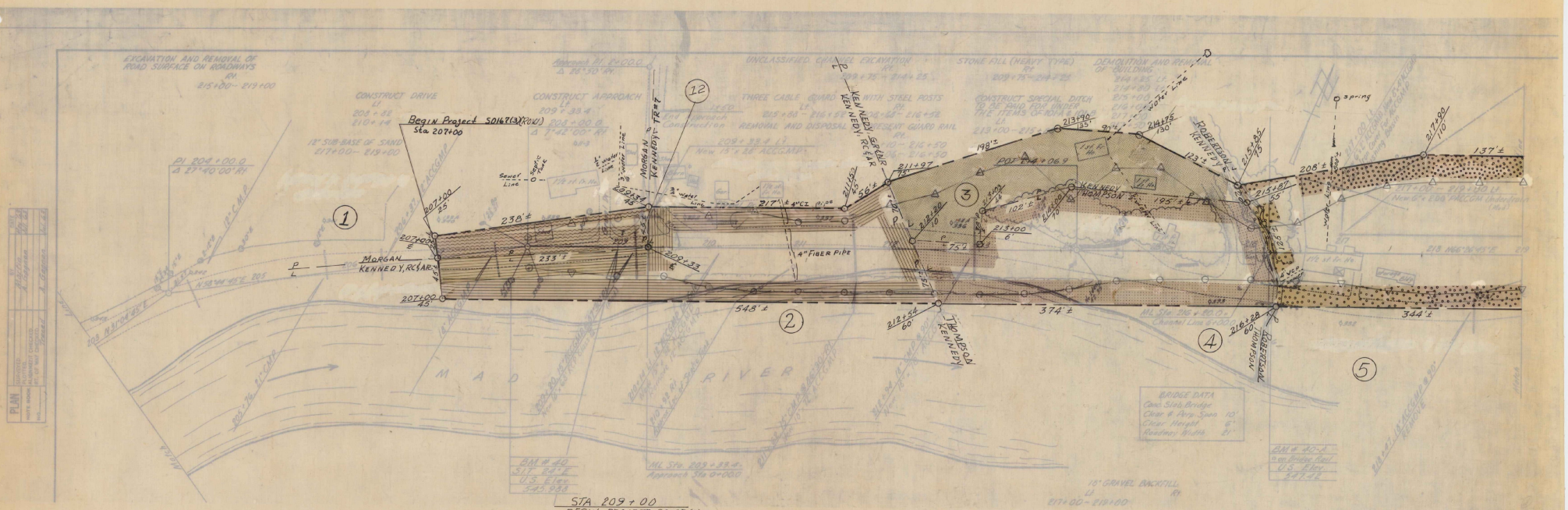
Total Area	159 A
Taking	7.0
Remainder	152.0

PARCEL (11)

0 200' 400'
SCALE

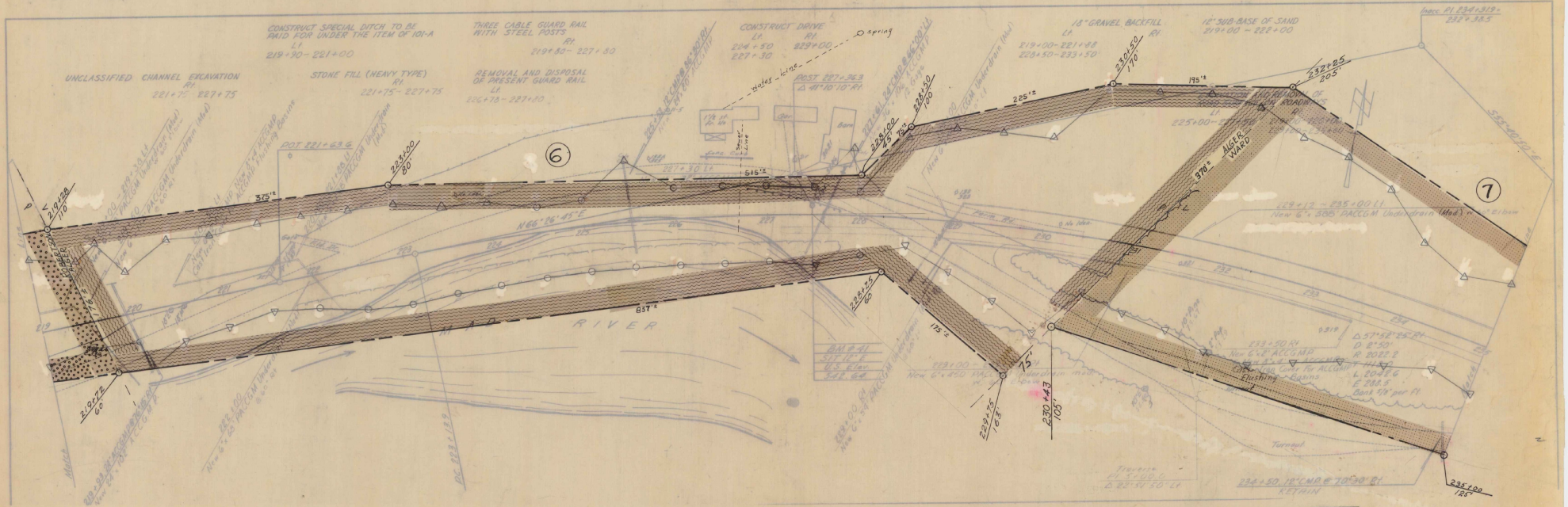
SURVEYED BY _____ DATE _____
DRAWN BY W.E. LOWE DATE 4-3-68
TRACED BY E. GLAZIER DATE 4-6-68

MORETOWN
PROJ. S NO. 0167 (3)
SHEET 9 OF 16

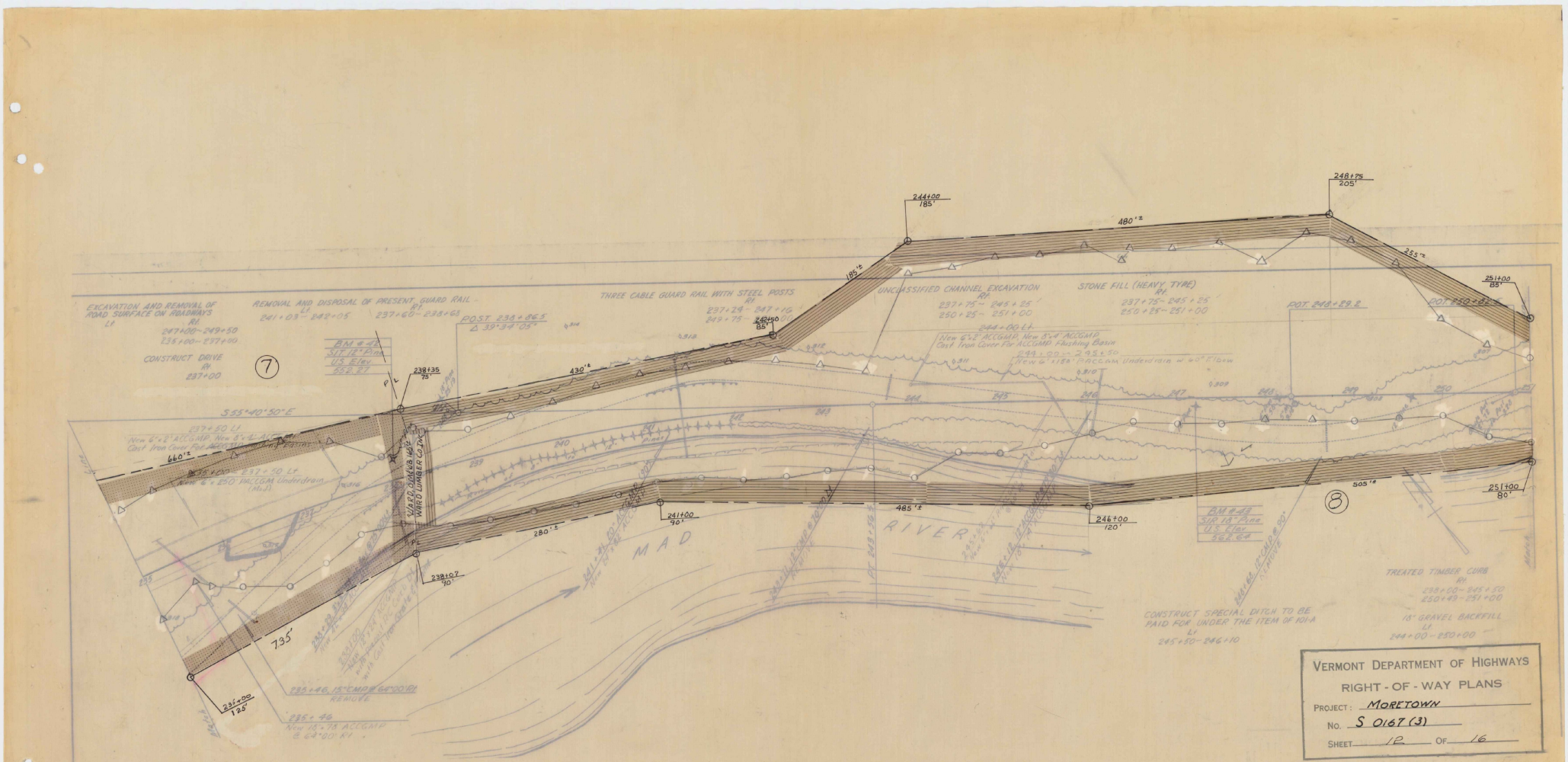


STA 209+00
BEGIN PROJECT S0167(3)
CONSTRUCT SATISFACTORY APPROACH

VERMONT DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
PROJECT: MORETOWN
NO. S 0167(3)
SHEET 10 OF 16



VERMONT DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
PROJECT: MORETOWN
NO. S 0167(3)
SHEET 11 OF 16



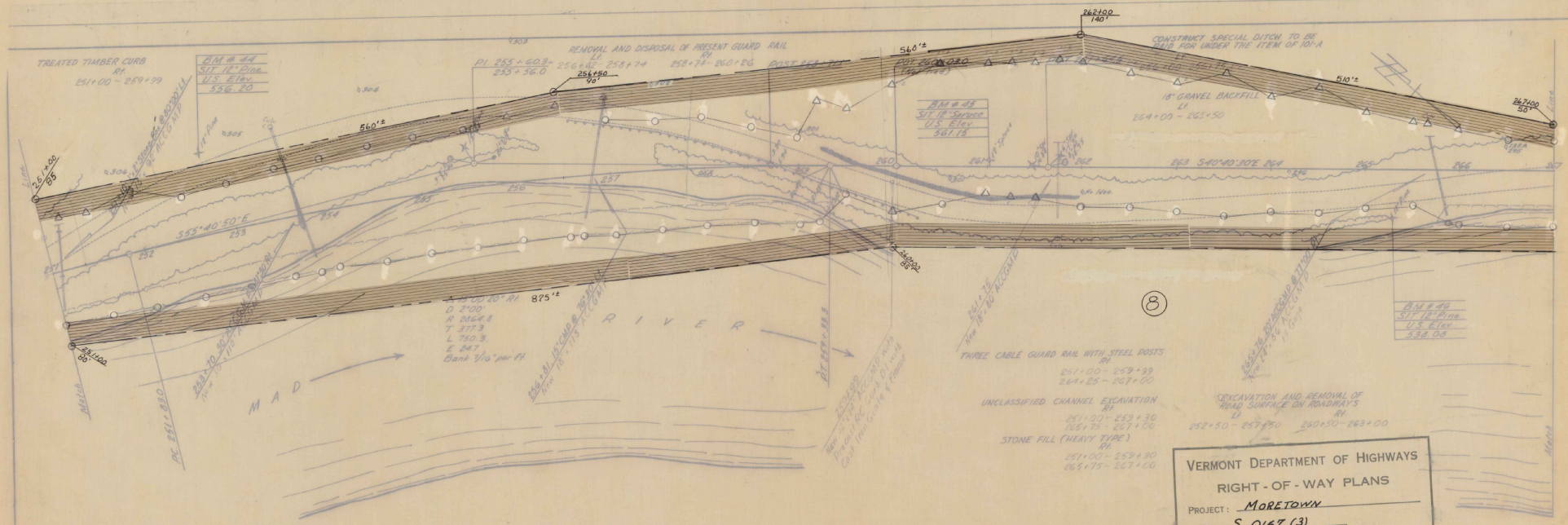
VERMONT DEPARTMENT OF HIGHWAYS

RIGHT - OF - WAY PLANS

PROJECT: MORETOWN

NO. S 0167 (3)

SHEET 12 OF 16



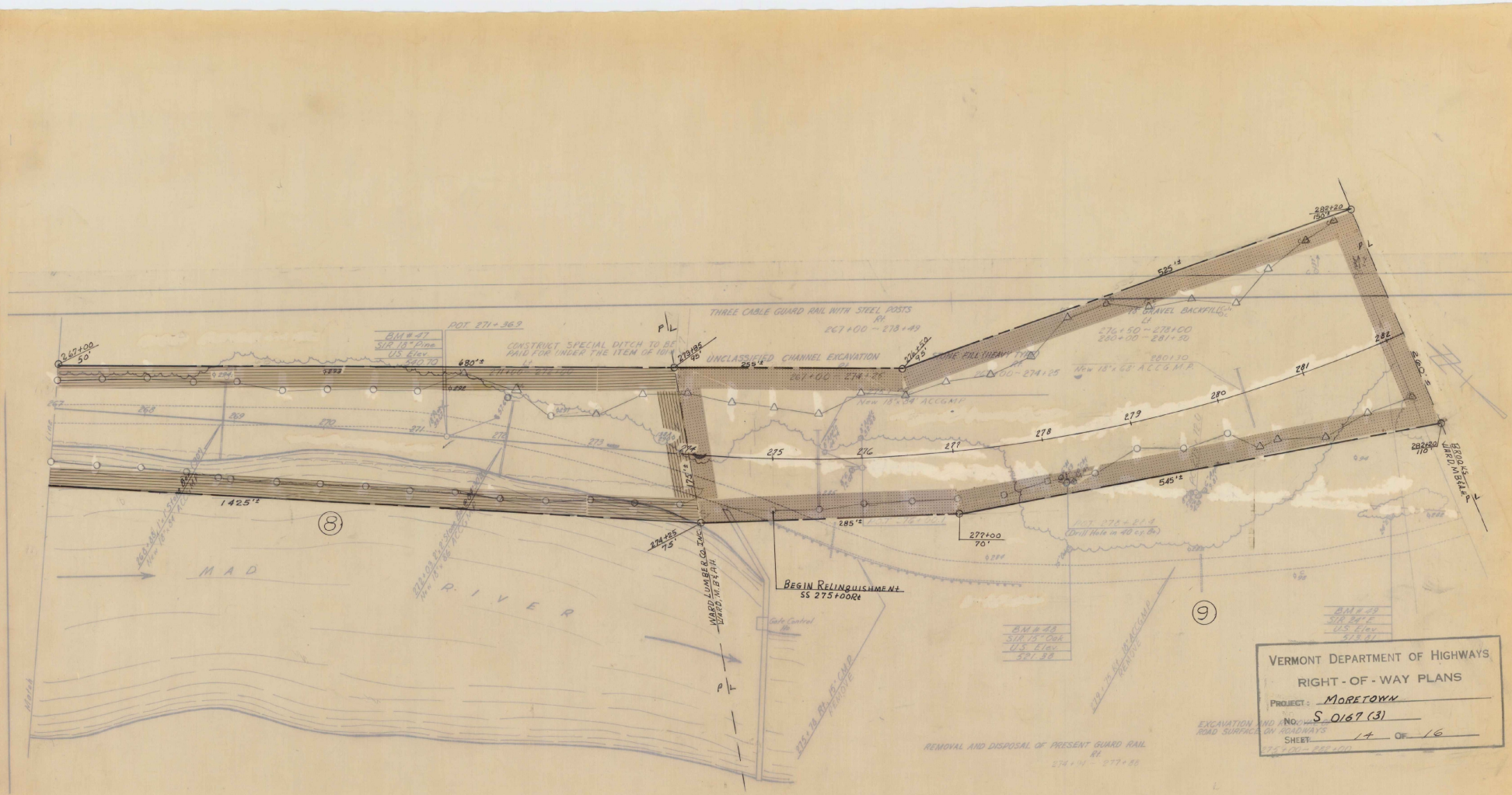
VERMONT DEPARTMENT OF HIGHWAYS

RIGHT - OF - WAY PLANS

PROJECT: MORETOWN

No. S 0167 (3)

SHEET 13 OF 16



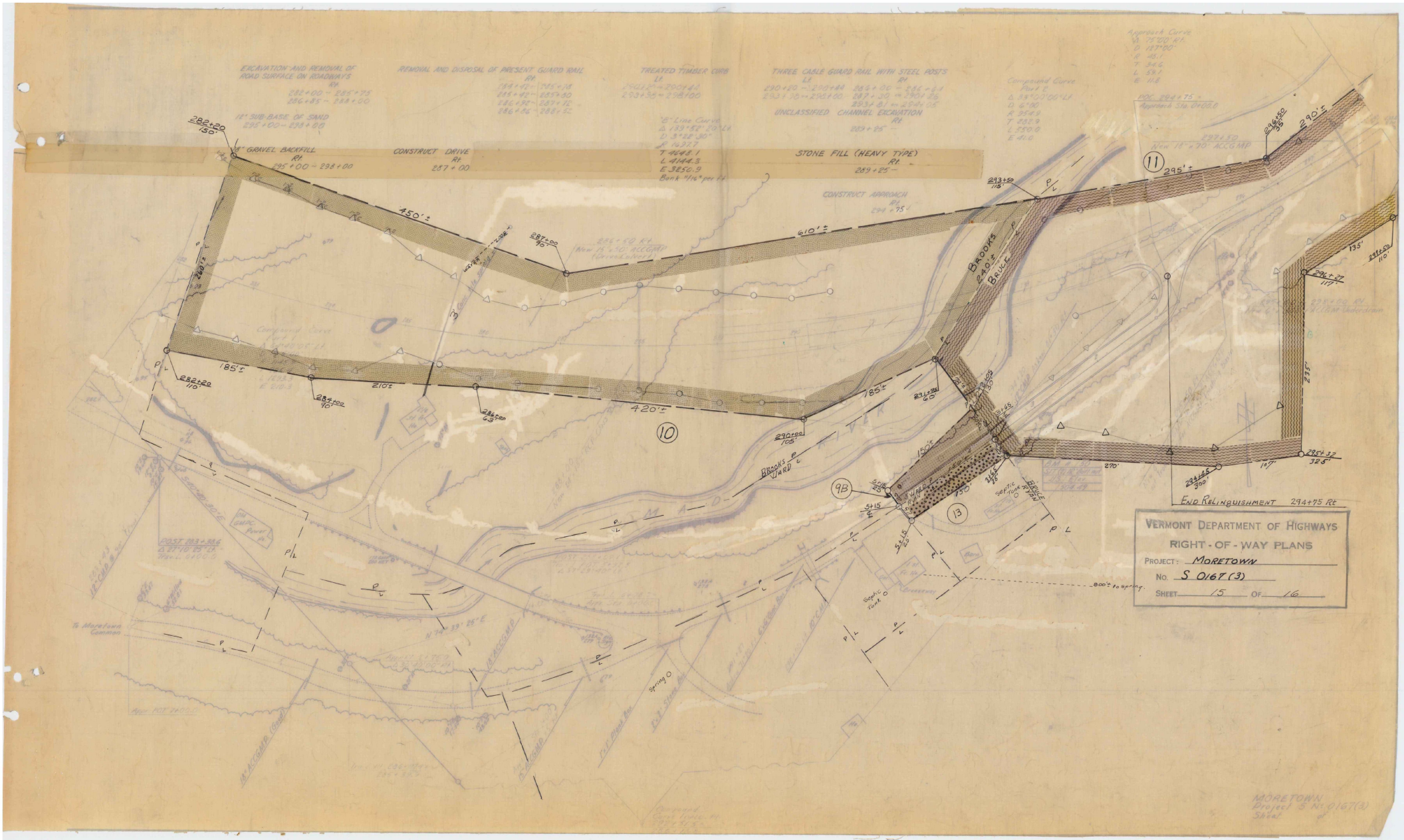
VERMONT DEPARTMENT OF HIGHWAYS

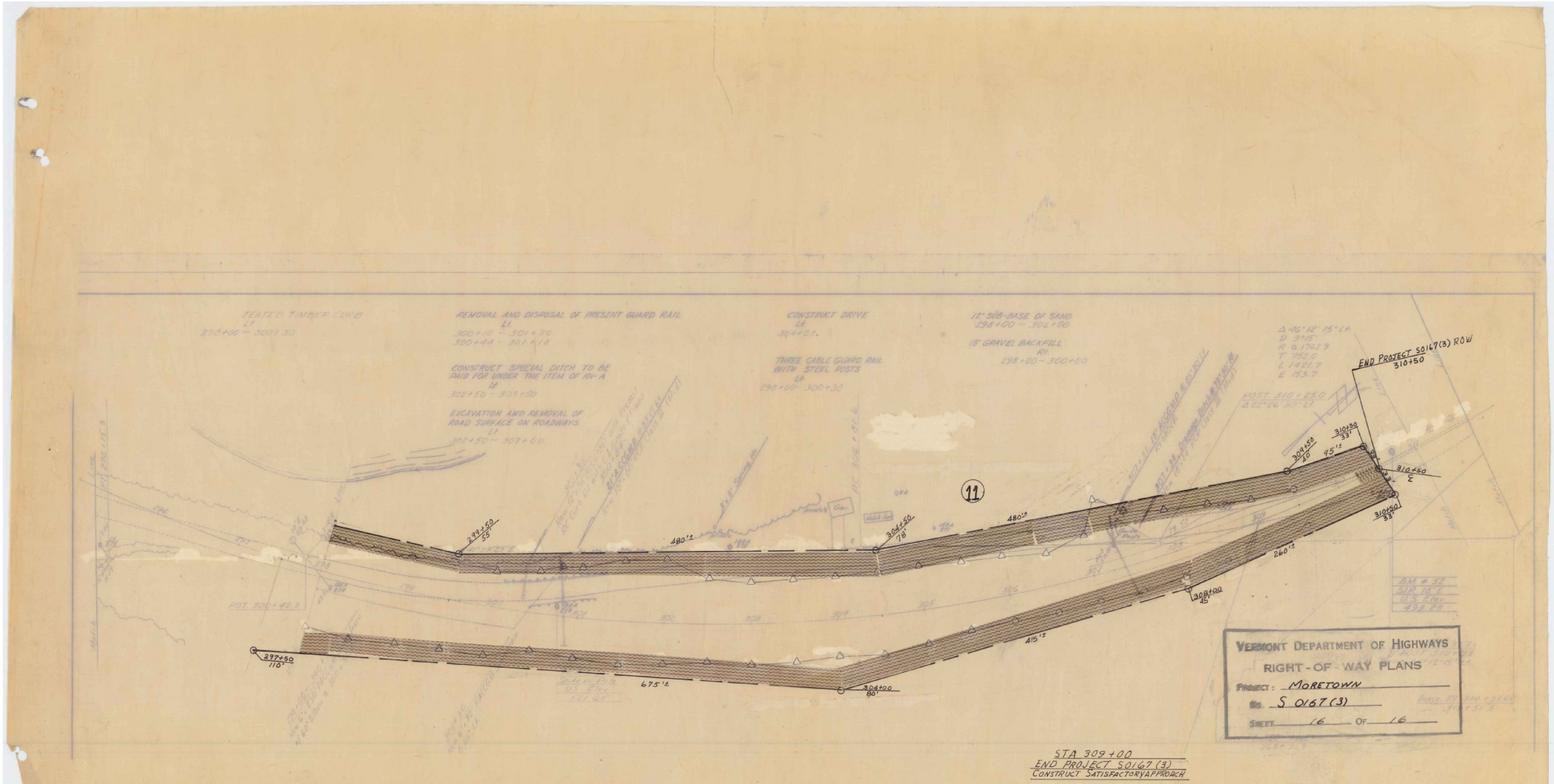
RIGHT - OF - WAY PLANS

PROJECT: MORETOWN

NO. S 0167 (3)

SHEET: 14 OF 16


EXCAVATION AND REMOVAL OF ROAD SURFACE ON ROADWAYS Rt
282+00 – 285+75
286+85 – 288+00
12" SUB-BASE OF SAND
295+00 – 298+00
8" GRAVEL BACKFILL Rt
295+00 – 298+00
CONSTRUCT DRIVE Rt
287+00
REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL Rt
284+42 – 285+18
285+42 – 285+80
286+92 – 287+12
286+86 – 288+52
TREATED TIMBER CURB Lt
290+22 – 290+44
293+36 – 298+00
"B" Line Curve
Δ 139°52' 30" Lt
D 3°28' 30"
R 1927.7
T 4648.1
L 4144.3
E 3856.9
Bank "1/16" per Ft
THREE CABLE GUARD RAIL WITH STEEL POSTS Lt
290+20 – 290+44
293+36 – 293+80
THREE CABLE GUARD RAIL WITH STEEL POSTS Rt
285+00 – 286+42
287+30 – 290+36
293+21 – 294+05
UNCLASSIFIED CHANNEL EXCAVATION Rt
293+25 –
STONE FILL (HEAVY TYPE) Rt
289+25 –
CONSTRUCT APPROACH Rt
294+75 ±
Approach Curve
Δ 75°00' Rt.
D 127°20'
R 45.1
T 34.6
L 59.1
E 11.8
Compound Curve
Rev. 1
Δ 39°03' 00" Lt
D 6°00'
R 954.9
T 382.9
L 650.0
E 41.0
POC 284+75 = Approach Sta. 0+00.0
284+50 ACCGMP
New 15"x 70' ACCGMP
285+00 Rt. Limit Underbrush
282+20 150'
287+00 90'
286+00 0.3
290+00 105'
284+00 90'
282+20 110'
284+50 35'
293+50 115'
294+27 117'
294+39 110'
285+37 326'
294+45 200'
450'±
610'±
185'±
210'±
420'±
185'±
240'±
295'±
290'±
135'
235'
270'
147'
150'
75'
BROOKS LANE
BRUCE LANE
Brooks Lane Rd
Bruce Lane Rd
Septic Tank
Spring
Old GMPC Power Pl.
To Moretown Common
800'± to spring.
End Relinquishment 294+75 Rt
VERMONT DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
PROJECT: MORETOWN
No. S 0167(3)
SHEET 15 OF 16
MORETOWN
Project S 0167(3)
Sheet


TREATED TIMBER CURB
Lt.
298+00 – 302+30
REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL
Lt.
300+10 – 301+30
300+44 – 301+18
CONSTRUCT SPECIAL DITCH TO BE PAID FOR UNDER THE ITEM OF 101-A
Lt.
302+50 – 303+50
EXCAVATION AND REMOVAL OF ROAD SURFACE ON ROADWAYS
Lt.
302+50 – 307+00
CONSTRUCT DRIVE
Lt.
304+03
THREE CABLE GUARD RAIL WITH STEEL POSTS
Lt.
298+00 – 300+30
12" SUB-BASE OF SAND
298+00 – 306+00
18" GRAVEL BACKFILL
Rt.
298+00 – 300+00
END PROJECT S0167(3) ROW
310+50
297+50
55'
480'±
304+50
78'
480'±
309+50
40'
95'±
310+50
33'
310+50
℄
310+50
33'
308+00
15'
260'±
297+50
110'
675'±
304+00
80'
415'±
11
VERMONT DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
PROJECT: MORETOWN
No. S 0167(3)
SHEET 16 OF 16
STA 309+00
END PROJECT S0167(3)
CONSTRUCT SATISFACTORY APPROACH

Vermont Agency of
Transportation
PHASE 2-INTERSTATE
#122302-01

INITIALS Hanger 2819 DONE

1 of 2
1966
67

Mortown
S 0167 (3)

1 of 2
1966
67

2 of 2
1966
67

Moretown
50167 (3)

2 of 2
1966
67

INITIALS Vermont Agency of DONE
Transportation
PHASE 2-INTERSTATE
#122302-01

INITIALS Hanger 2875 DONE

R.O.W.
1964

Moretown
S 0167 (3)

R.O.W.
1964