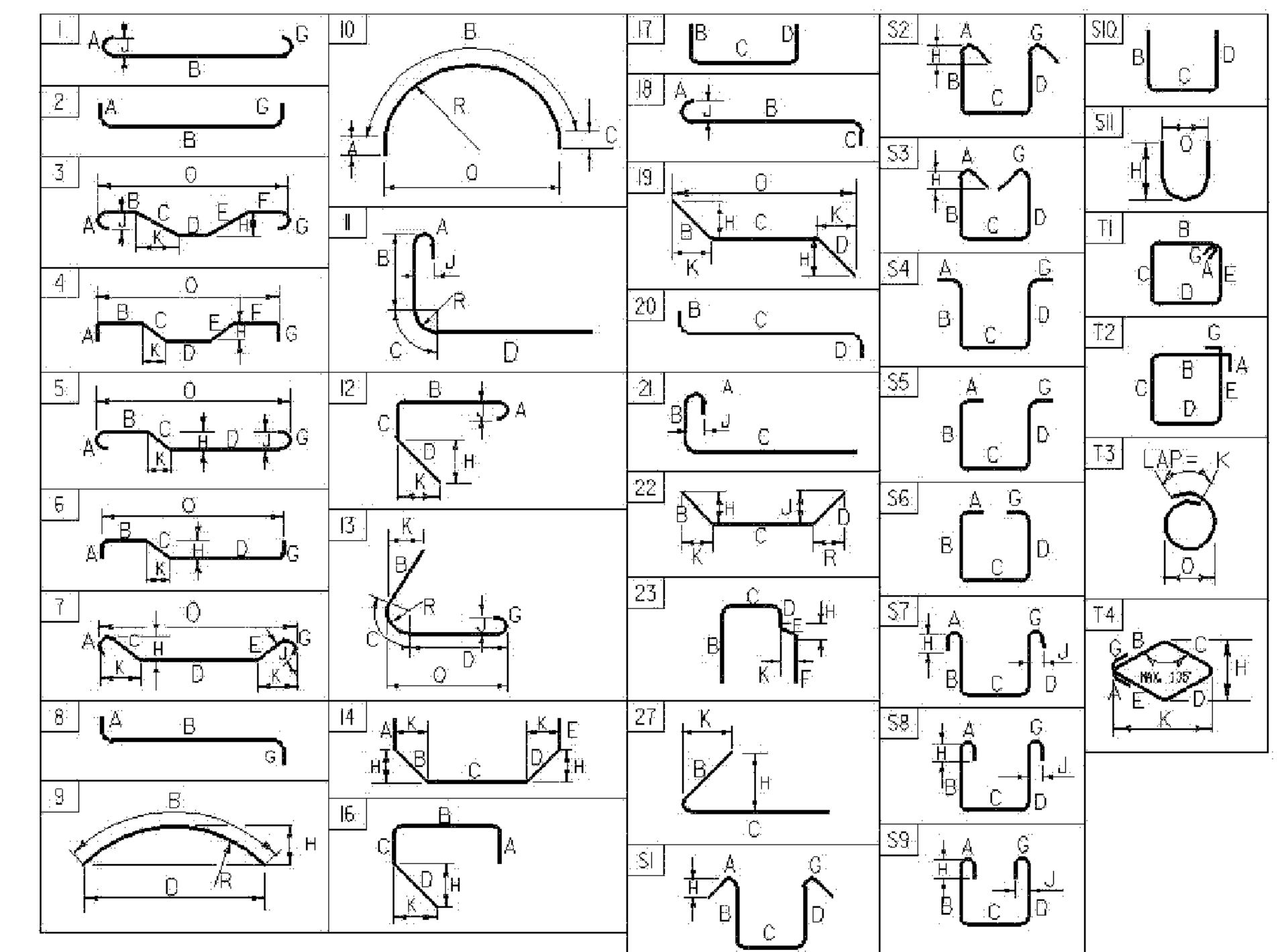


REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O					
DECK																																								
	76	19	9340	ES1901	STR		9340																																	
	76	19	9545	ES1902	1	205	9340																																	
*	161	19	8700	ES1903	STR		8700																																	
	168	19	1345	ES1904	S5	150	415	215	415		150																													
*	17	19	2020	ES1905	STR		2020																																	
ABUTMENT NO. 1																	ABUTMENT NO. 2																							
*	97	16	1180	1EA1801	S10		155	870	155									*	97	16	1180	2EA1801	S10		155	870	155													
*	37	16	1360	1EA1802	1	180	1000				180								*	37	16	1360	2EA1802	1	180	1000				180										
*	33	16	2170	1ES1601	14	850	490	830											*	33	16	2170	2ES1601	14	850	490	830													
*	126	22	2370	1EA2201	STR		2370																																	
	32	22	9340	1EA2202	STR		9340												*	33	22	9340	2EA2202	STR		9340														
	22	22	1960	1EA2203	8	730	500				730								*	42	22	1960	2EA2203	8	730	500				730										
*	43	22	1878	1EA2204	2	730	1148												*	64	22	1485	2ES2201	2	560	925														
	64	22	1480	1ES2201	2	560	920												*	65	22	3095	2ES2202	2	1275	1820														
*	65	22	3090	1ES2202	2	1270	1820																																	
WINGWALL NO. 1																	WINGWALL NO. 3																							
	10	16	680	1EW1601	S10		155	370	155																															
▲	40	22	2820	1EW2201	STR		2820												▲	28	22	2825	3EW2201	STR		2825														
▲	42	22	3730	1EW2202	STR		3730												▲	42	22	2730	3EW2202	STR		2730														
WINGWALL NO. 2																	WINGWALL NO. 4																							
△	9	19	1985	2EW1901	S10		885	215	885																															
▲	4	19	2400	2EW1902	STR		2400												▲	28	22	2825	4EW2201	STR		2825														
▲	27	22	2850	2EW2201	STR		2850												▲	42	22	2730	4EW2202	STR		2730														
	42	22	2000	2EW2202	STR		2000																																	
APPROACH SLAB NO. 1																	APPROACH SLAB NO. 2																							
△	21	16	8540	1EAS1601	STR		8540											△	21	16	8540	2EAS1601	STR		8540															
△	38	29	6215	1EAS2901	1	375	5840											△	38	29	6215	2EAS2901	1	375	5840															

~ NOTES ~

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-S). ALL BARS SHALL BE GRADE 420, UNLESS OTHERWISE DESIGNATED.
- FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
- ▲ DENOTES BARS TO BE CUT IN FIELD.
- * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE	NOMINAL MASS (Kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	SECTIONAL AREA (mm²)	PERIMETER (mm)
#10	0.560	9.5	71	29.84
#13	0.994	12.7	129	39.90
#16	1.552	15.9	199	49.95
#19	2.235	19.1	284	60.00
#22	3.042	22.2	387	69.74
#25	3.973	25.4	510	79.80
#29	5.060	28.7	645	90.16
#32	6.404	32.3	819	101.47
#36	7.907	35.8	1006	112.47
#43	11.380	43.0	1452	135.09
#57	20.240	57.3	2581	180.01

PROJECT NAME: **HINESBURG**
 PROJECT NUMBER: **STP 0199(2)**
 FILE NAME: 01|282|str/s01|282_rss.dgn
 PROJECT MANAGER: **C. CARLSON**
 DESIGNED BY: **W. LAMMER**
 REINFORCING STEEL SCHEDULE

PLOT DATE: **2/24/2011**
 DRAWN BY: **C. MOONEY**
 CHECKED BY: **C. CARLSON**
 SHEET **29** OF **56**