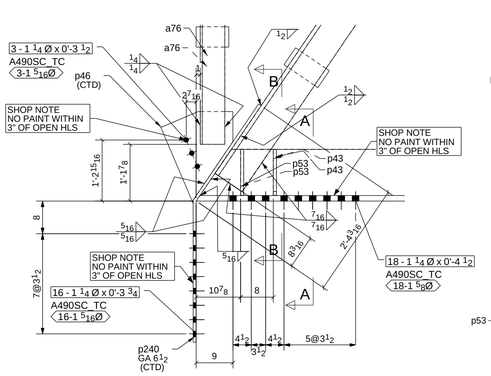
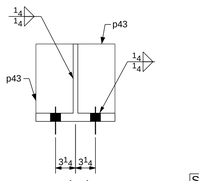
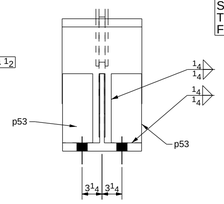
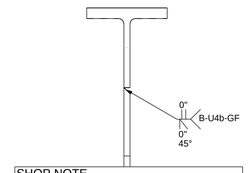


DETAIL A

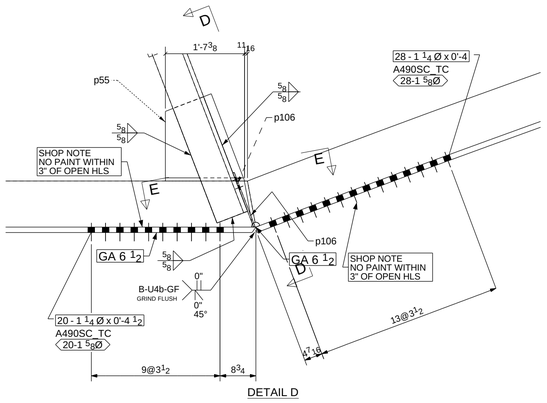




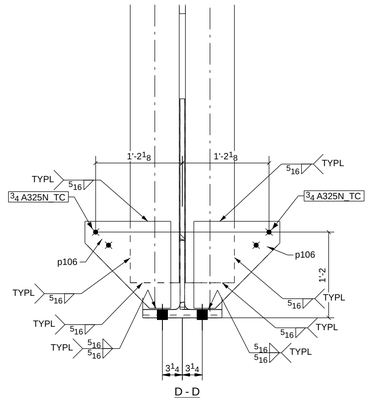


SHOP NOTE
TYPL WELD BETWEEN PLTS AND STEM OF TEE.
TOP AND BOT CHORDS GRIND WELD FLUSH AS REQD

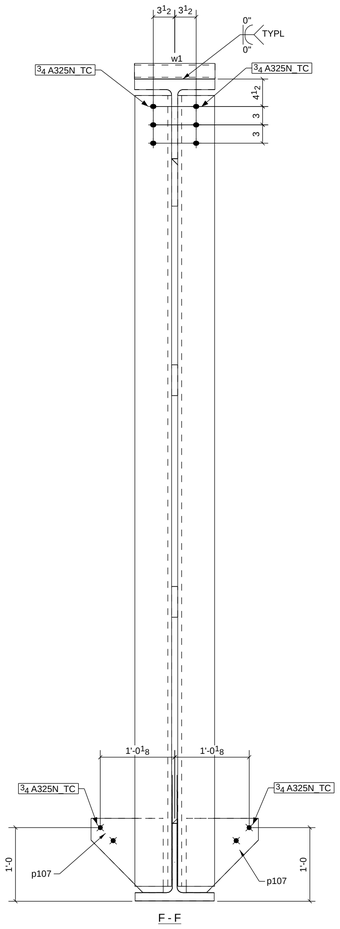
C - C



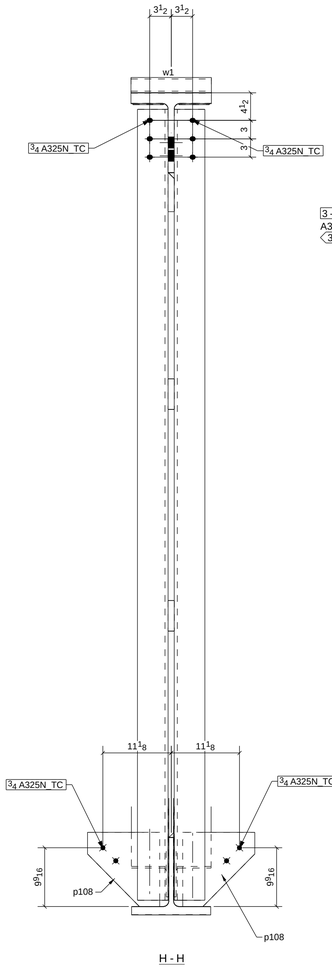
DETAIL D



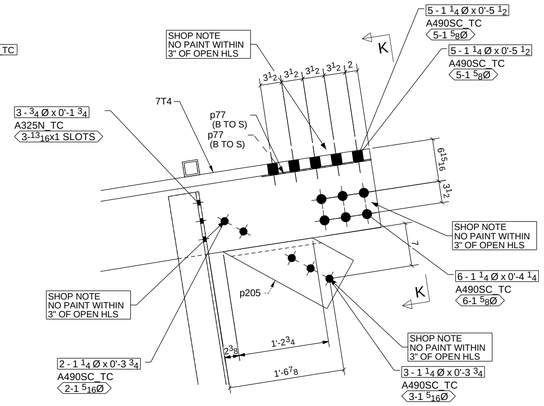
D - D



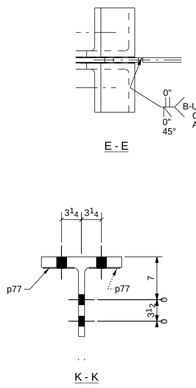
F - F



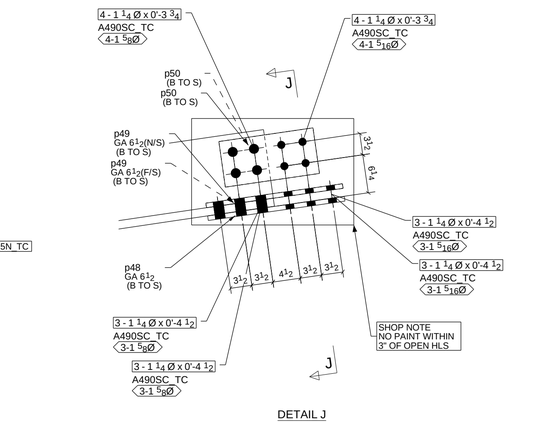
H - H



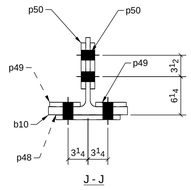
DETAIL K



K - K



DETAIL J



J - J

E - E

SHIP MARK	DIV	ASS'M MARK	NO. PC'S	SECTION	LENGTH FT.	LENGTH IN.	CHEMISTRY	WEIGHT	P.O. NUMBER	REMARKS	PG / ITEM
7T4	7		1	WT12X114.5	70'-7	11/16	A992	8077.5			1/3
		a15	2	L8X8X1	10'-8	5/16	A572-GR.50	545.9			15/1
		a65	2	L6X6X7/16	16'-10	11/16	A572-GR.50	292.0			17/3
		a76	2	L6X6X1/2	6'-2	5/16	A572-GR.50	121.6			17/9
		a81	2	L6X6X3/4	16'-10	9/16	A572-GR.50	486.0			17/6
		a83	2	L6X6X9/16	16'-11	13/16	A572-GR.50	372.8			17/1
		a89	1	L5X5X1/2	10'-8	15/16	A572-GR.50	173.7			18/5
		a90	2	L6X6X5/16	16'-11	9/16	A572-GR.50	211.9			17/4
		a240	1	L6X6X5/8	10'-8	15/16	A572-GR.50	260.7			17/5
		a241	1	L6X6X5/8	10'-8	15/16	A572-GR.50	260.7			17/5
		a314	1	L5X5X1/2	10'-8	15/16	A572-GR.50	173.7			18/5
		a315	1	L6X6X1/2	10'-8	15/16	A572-GR.50	211.0			17/7
		a316	1	L6X6X1/2	10'-8	15/16	A572-GR.50	211.0			17/7
		a317	1	L6X6X1/2	10'-8	7/8	A572-GR.50	210.9			17/8
		a318	1	L6X6X1/2	10'-8	7/8	A572-GR.50	210.9			17/8
		a348	1	L8X8X1	10'-5	5/8	A572-GR.50	534.3			15/2
		a349	1	L8X8X1	10'-5	5/8	A572-GR.50	534.3			15/2
		b10	1	WT12X88	61'-7	1/4	A992	5408.8			1/8
		b369	1	WT12X88	11'-2	3/4	A992	986.0			1/6
		p43	2	PL3/4"X6 1/16"	0'-11	5/16	A572-GR.50	14.5			
		p46	1	PL1"X17 3/4"	1'-8	3/16	A572-GR.50	64.4			
		p48	1	PL3/4"X10 1/2"	1'-10	1/2	A572-GR.50	50.2			
		p49	2	PL3/4"X5"	1'-10	1/2	A572-GR.50	23.9			
		p50	2	PL3/4"X7 1/2"	1'-3	1/2	A572-GR.50	24.7			
		p53	2	PL3/4"X4 15/16"	0'-11	5/16	A572-GR.50	11.9			
		p55	1	PL3/4"X18 1/8"	1'-10	13/16	A572-GR.50	62.6			
		p68	2	PL1/8"X8"	1'-0	1/2	A572-GR.50	2.8			
		p69	2	PL1/8"X8"	2'-6		A572-GR.50	8.5			
		p70	2	PL1/8"X6"	1'-9		A572-GR.50	4.5			
		p71	6	PL1/8"X6"	0'-10	1/4	A572-GR.50	2.2			
		p72	2	PL1/8"X6"	1'-8	1/8	A572-GR.50	4.3			
		p73	2	PL1/8"X6"	1'-8	3/8	A572-GR.50	4.3			
		p75	2	PL1/8"X5"	0'-10	1/4	A572-GR.50	1.8			
		p76	2	PL1/8"X6"	1'-10	11/16	A572-GR.50	4.8			
		p77	2	PL3/16"X5"	1'-6		A572-GR.50	4.8			
		p82	2	PL1"X7"	0'-5		A572-GR.50	9.9			
		p83	17	PL1"X8"	0'-5		A572-GR.50	11.3			
		p84	6	PL1"X10"	0'-5		A572-GR.50	14.2			
		p106	2	PL3/8"X14"	1'-2	3/16	A36	15.2			
		p107	6	PL3/8"X11 3/4"	1'-0	1/8	A36	11.3			
		p108	2	PL3/8"X11 3/4"	1'-0	1/8	A36	11.3			
		p196	1	PL3/4"X10"	1'-3	7/8	A572-GR.50	17.3			
		p197	2	PL3/4"X10"	1'-3	15/16	A572-GR.50	17.3			
		p199	1	PL3/4"X10"	1'-4	1/2	A572-GR.50	18.1			
		p205	1	PL1"X9"	1'-7	5/16	A572-GR.50	32.4			
		p208	1	PL1"X12"	1'-7	15/16	A572-GR.50	66.2			
		p209	1	PL1"X10"	1'-2	1/4	A572-GR.50	22.8			
		p211	1	PL1"X12"	2'-6		A572-GR.50	83.7			
		p214	1	PL1"X10"	1'-3	7/16	A572-GR.50	23.2			
		p215	1	PL1"X10"	1'-3		A572-GR.50	21.8			
		p217	1	PL1"X10"	1'-3	1/2	A572-GR.50	23.2			
		p240	1	PL3/4"X13"	5'-2	11/16	A572-GR.50	174.0			
		w1	6	HSS2-1/2X2-1/2X1/4	1'-1	1/8	A500-GR.B	7.3			
				TOTAL WEIGHT FOR 1 ASSEMBLY				22705.7			

NOTE: ALL WORKSHOP BOLTS SHALL BE TIGHTENED BY THE "SNUG-TIGHT" CONDITION AS DEFINED BY AISC, U.O.N.

WELDING ELECTRODE E70XX UNLESS NOTED

STEEL SPEC. W-SHAPES ASTM A992
HOLLOW STRUCTURAL SHAPES ASTM A500-B
ALL OTHER MATERIAL ASTM A36 UNLESS NOTED

HOLE SIZE 13/16 Ø

ERECTOR'S NOTE
STEEL IS FABRICATED WITH "ERECTION MARKS" ON LEFT HAND END OF MEMBERS

ALL HOLES IN BEAM END CONNECTION CLIP ANGLE OUTSTANDING LEG SHALL BE 13/16x1 HORIZ SLOTS U.N.O

PREP SSPC-SP2

SHOP PAINT 1-S/C SHERWIN WILLIAMS STD GRAY PRIMER (#B50 AV11)

REF DWG.: E13

REVISIONS NO.	DATE	BY	DESCRIPTION OF REVISION
1	08/06/14	MR	REVISED SPLICE CONN
0	07/31/14	MR	ISSUE FOR FAB
A	07/11/14	MR	ISSUE FOR APPL

RICHMOND, VA (804)355-7481

LIPHART STEEL Company, Incorporated

RONA, VA. (540)248-1009

PROJECT	Virginia_Tech_Indoor_Facility
LOCATION	BLACKSBURG, VA
ARCHT.	HKS Inc.
CONTR.	W.M. JORDAN Co.

MADE MR 07/08/2014 CHKD. MJK 08/06/14

AISC CERTIFIED FABRICATOR

ORDER NO. 14-514

SHEET NO. 7T4A

ITEMS

SEQ