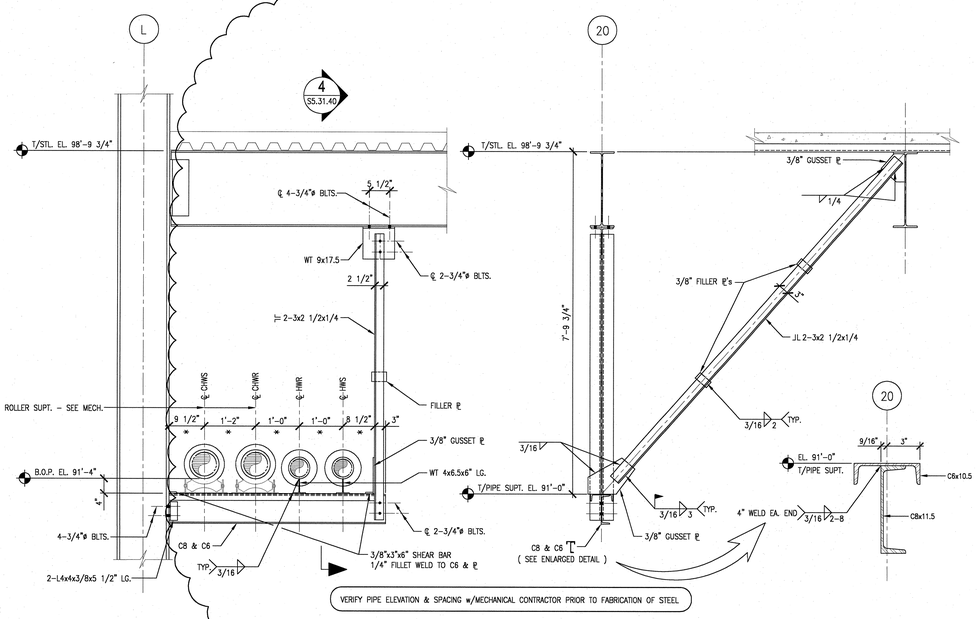


3 PIPE ANCHOR - SECTION
S2.01.66 SCALE: 3/4" = 1'-0" SDT057011-8

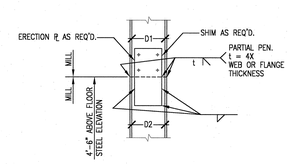
4 SECTION
S2.01.66 SCALE: 3/4" = 1'-0" SDT057011-8

ASTM A572 GRADE 50

STEEL COLUMN SCHEDULE

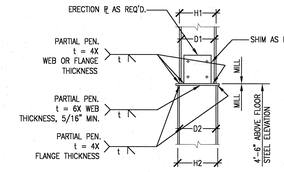
LOCATION / FLOOR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	L-16 L-17 L-18 L-19 L-20 L-21 L-22 L-24	M1-14 M1-15 M1-16 M1-19 M1-22 M1-25 M1-26	J-19 J-26 K-15 K-16 K-17 K-18	J-20 J-21 J-22 J-24 J-25	M1-17 M1-18 M1-21	N-23 N-24 N-25 N-26	K-19	L-14	L-15	L-25	L-26	M1-20 M1-24	N-27 N-28 N-29 N-30 N-31 N-32 N-33 N1-33	M1-26.1 M1-27 M1-28 M1-29 M1-30 M1-31	J-26.1 J-27 J-28 J-29 J-30	H.5-23 H.5-23.4 H.9-23.4	L.3-13.9	M1-23	L-23	J-23	H.4-23.9 H.4-23.9	H-22 H-23 H-24 H-25 H-26.05 H-27	M9-23	N-26.1 N-34 N1-34	L-26.1	L-13.9
FLOOR LEVEL: 04 ELEV. 143'-7" (1,119.58')																										
FLOOR LEVEL: 03 ELEV. 127'-3" (1,103.25')	W14x61	W14x48	W14x43	W14x43	W14x48		W14x43	W14x48	W14x48	W14x61	W14x43	W14x48				HSS10x10x5/8	W14x48	W14x48	W14x61	W14x43						W14x68
FLOOR LEVEL: 02 ELEV. 113'-3" (1,089.25')																										
FLOOR LEVEL: 01 ELEV. 99'-3" (1,075.25')	W14x90	W14x68	W14x43	W14x61	W14x74	W14x43	W14x43	W14x62	W14x90	W14x62	W14x68	W14x62	W14x43	W14x61	W14x68	HSS10x10x5/8	W14x68	W14x68	W14x90	W14x61	P6	HSS 8x8x1/2	P5	W14x43	W14x61	W14x90
FLOOR LEVEL: B1 ELEV. 80'-7" (1,056.583')																										
BASE PLATE DETAIL	BP3	BP9	BP7	BP10	BP11	BP2	BP6	BP1	BP12	BP5	BP8	BP4	BP7	BP10	BP8	BP14	BP4	BP9	BP3	BP10	BP15	BP16	BP15	BP15	BP15	BP17
COMMENTS: T/FTG. EL. -2'-0" U.N.O. SEE PLAN (TYP.)																										

SHEET 1 OF 1



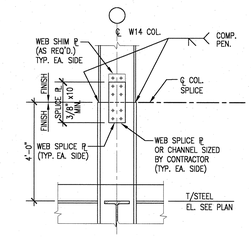
(PARTIAL PEN. WELD THICKNESSES SHOWN ARE EFFECTIVE THICKNESS)

3 ALTERNATE COLUMN SPLICE
SCALE: 3/4" = 1'-0" SDT051003-8

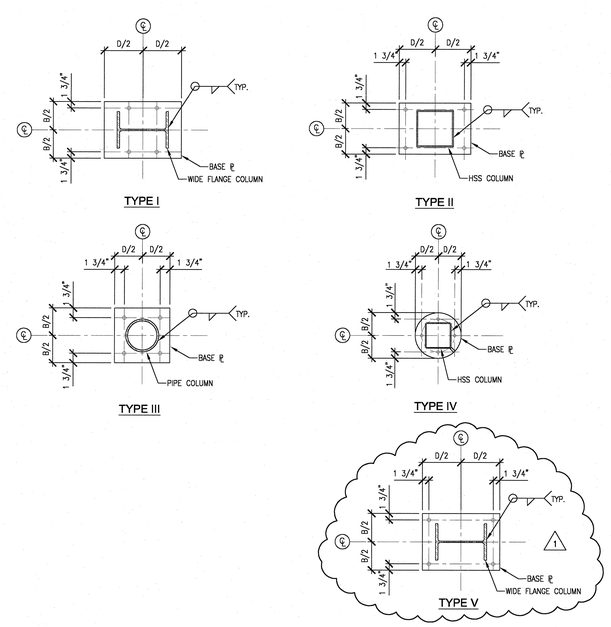


(PARTIAL PEN. WELD THICKNESSES SHOWN ARE EFFECTIVE THICKNESS)

2 ALTERNATE COLUMN SPLICE
SCALE: 3/4" = 1'-0" SDT051003-8



1 TYPICAL STEEL COLUMN SPLICE
SCALE: 3/4" = 1'-0" SDT051003-8



2 COLUMN BASE PLATE TYPES
SCALE: 3/4" = 1'-0" SDT051002-8

BASE PLATE SCHEDULE

MARK	SIZE (BxDxt)	TYPE	ANCHOR BOLTS (#) DIA.x EMBED.	SHEAR LUG(s)	QTY. (0) U.N.O.	REMARKS
BP1	12 x 18 x 1 1/4	I	(4) 7/8"ø A36 x 12"	–	–	
BP2	12 x 15 x 1	I	(4) 7/8"ø A36 x 12"	–	–	
BP3	18 x 18 x 1 1/2	I	(4) 1"ø A325 x 18"	–	–	
BP4	12 x 18 x 1 1/4	I	(4) 1 1/8"ø A325 x 18"	–	–	
BP5	16 x 16 x 1 1/8	I	(4) 1 1/8"ø A36 x 18"	–	–	
BP6	10 x 16 x 1 1/4	I	(4) 3/4"ø A36 x 12"	–	–	
BP7	10 x 16 x 1	I	(4) 3/4"ø A36 x 12"	–	–	
BP8	12 x 16 x 1 1/4	I	(4) 3/4"ø A36 x 12"	–	–	
BP9	14 x 18 x 1 1/2	I	(4) 1"ø A36 x 12"	–	–	
BP10	14 x 14 x 1 1/4	I	(4) 1"ø A36 x 12"	–	–	
BP11	16 x 16 x 2 1/4	I	(4) 1"ø A325 x 18"	–	–	
BP12	18 x 18 x 2 1/4	I	(4) 1"ø A325 x 18"	–	–	
BP13	12 x 12 x 3/4	II	(4) 1"ø A36x 12"	–	–	
BP14	16 x 16 x 1 1/8	II	(4) 1 1/8"ø A36 x 18"	–	–	
BP15	12 x 15 x 1	III	(4) 3/4"ø A36 x 12"	–	–	
BP16	11" DIA. x 1/2" THK.	IV	(4) 3/4"ø A36 x 12"	–	–	
BP17	15 x 22 x 2	V	(4) 3/4"ø A36 x 12"	–	–	

SHEET 1 OF 1

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DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM
ENGINEERING PROCEDURE

REV	CHANGE TYPE	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	CHK	DEPT
1	–	–	–	RE-ISSUE CERTIFIED FOR CONSTRUCTION 1/22/03	WS	RW	
0	–	–	–	CERTIFIED FOR CONSTRUCTION-12/9/02	WS	RW	

REVISION OR ISSUE PURPOSE

DATE	PE	DATE	E.I.	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
								JJB	23236	1/10/03	
								JJB	23236	12/9/02	

REVISION APPROVALS

RZ	AW	BWJ	AK	IM	DM	--	BWJ	--	TW
ST	CV	EC	EE	EM	IE	M	PD	SE	AR

SQUAD CHECK

RPE: JOHN BUSCH, REGISTERED ENGINEER, AGRICULTURE, COMMERCE, MD. 23236, STATE OF TENNESSEE

DSN	W. SONNA	1/10/03
DRW	T. DEADY	1/10/03
CHK	R. WALKINGTON	1/10/03
DEPT		
PE	C. L. GARREN	
PJ	J. STELLERN	
REQ		
UTB	J. R. LAWSON	

REV. 1 DATE 1/22/03

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PROJECT NAME:
CENTER FOR NANOPHASE MATERIALS SCIENCES
STEEL COLUMN SCHEDULE
BASE PLATE DETAILS
AND MISC. DETAILS

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	S	X	X	8	8610		1	1	S	U
51		52		53	A/E DRAWING NUMBER:				REV
NC		NA			S5.31.40				1

AutoCAD