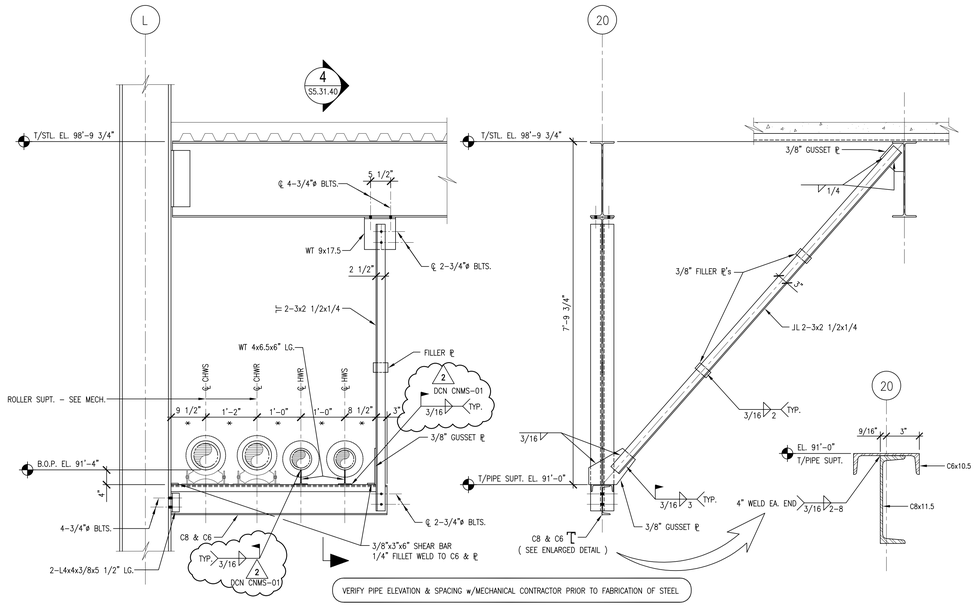


3 PIPE ANCHOR - SECTION
52.01.66 SCALE: 3/4" = 1'-0" SDT057011-8

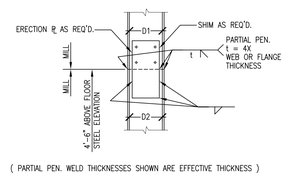
4 SECTION
52.01.66 SCALE: 3/4" = 1'-0" SDT057011-8

STEEL COLUMN SCHEDULE

ASTM A572 GRADE 50

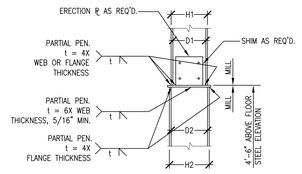
LOCATION / FLOOR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	L-16 L-17 L-18 L-19 L-20 L-21 L-22 L-24	M1-14 M1-15 M1-16 M1-19 M1-22 M1-25 M1-26	J-19 J-26 K-15 K-16 K-17 K-18	J-20 J-21 J-22 J-24 J-25	M1-17 M1-18 M1-21	N-23 N-24 N-25 N-26	K-19	L-14	L-15	L-25	L-26	M1-20 M1-24	N-27 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.4-23.5 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	W14x53	W14x82	W14x90	W14x82	W14x68	W14x82	W14x43	W14x61	W14x68	HSS10x10x5/8	W14x68	W14x68	W14x90	W14x61	PG	HSS 8x8x1/2	PG	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.)																										

SD4D1001-8



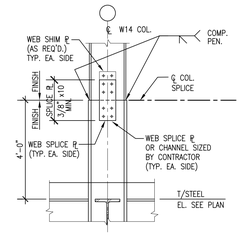
(PARTIAL PEN. WELD THICKNESSES SHOWN ARE EFFECTIVE THICKNESS)

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

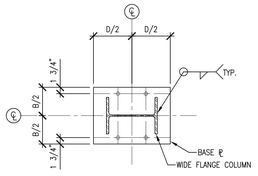


(PARTIAL PEN. WELD THICKNESSES SHOWN ARE EFFECTIVE THICKNESS)

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



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



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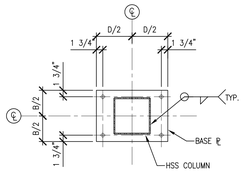

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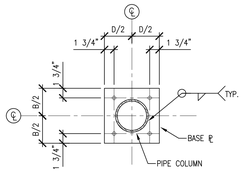

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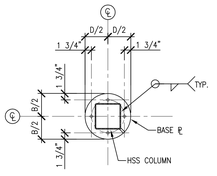
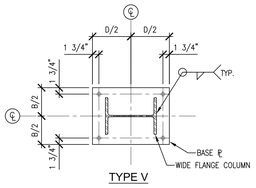


TYPE IV



TYPE V

2 COLUMN BASE PLATE TYPES
55.30.41 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"	–	–	

SD4D1002-8

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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	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE
									JUB	23236	1/22/03
									JUB	23236	12/9/02

REVISION APPROVALS

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

SQUAD CHECK

REV.	DATE
RPE	

DRAWING APPROVALS

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	

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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

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