COLUMN SCHEDULE

	A-1	A-2	A-3	A-4	A-5	B-1	B-2.4	B-3	B-3.6	B-5	B.4-2	B.4-4	C-1	C-2	C-3	C-4	C-5	C.3-5	C.3-6.5	C.6-2	D-1	D-2.4	D-3	D-4	D-5	D-6.5	E-1	E-2	E-3	E-4	E-5	F-7.2	F-8	F-9	F-10	F-1-7	G-7	G-8	G-8.6	G-10	G.4-9	H-7	H-8	H-9	H-10	H.6-6	H.6-7	H.6-8	H.6-9	H-9-4.5	J-10	J.6-4.5	J.6-5	J.6-6	J.6-7	J.6-8
ELEVATOR/STAIRS HEADHOUSE																																																								
ELEVATION 238'-7½" (Typical splice location 0")																		W10x33	W10x33						W10x33	W10x33																															
SIXTH FLOOR/ROOF LEVEL																																																								
ELEVATION 228'-7½" (Typical splice location 3'-6")	W24x162	W24x162	W24x162	W24x162	W24x162	W24x162	W14x53	W14x90	W14x43	W24x162	W14x90	W14x90	W24x162	W14x90	W14x90	W14x90	W24x162	W24x162	W14x43	W14x90	W24x162	W14x43	W14x90	W14x90	W24x162	W14x61	W24x162	W24x162	W24x162	W24x162	W24x162	W24x162	W24x162	W24x162	W24x162	W24x162	W24x162	W14x90	W14x43	W24x162	W14x90	W24x162	W14x90	W14x90	W24x162	W24x162	W24x162	W24x162	HSSRx8⅞x⅝	W24x162	HSSRx8⅞x⅝	W14x53	W14x61	W14x68	W14x90
FIFTH FLOOR/ MECHANICAL LEVEL																																																								
ELEVATION 206'-6"	W24x229	W24x229	W24x229	W24x229	W24x229	W24x229	W14x53	W14x99	W14x43	W24x229	W14x90	W14x90	W24x229	W14x90	W14x132	W14x90	W24x229	W24x229	W14x43	W14x90	W24x229	W14x43	W14x99	W14x109	W24x229	W14x61	W24x229	W24x229	W24x229	W24x229	W24x229	W24x229	W24x229	W24x229	W24x229	W24x229	W24x229	W14x109	W14x43	W24x229	W14x90	W24x229	W14x99	W14x90	W24x229	W24x229	W24x229	W24x229	HSSRx8⅞x⅝	W24x229	HSSRx8⅞x⅝	W14x53	W14x61	W14x68	W14x90
FOURTH FLOOR																																																								
ELEVATION 192'-6" (Typical splice location 3'-6")																																																								
THIRD FLOOR																																																								
ELEVATION 178'-6"																																																								
SECOND FLOOR																																																								
ELEVATION 164'-6" (Typical splice location 3'-6")	W24x370	W24x370	W24x370	W24x370	W24x370	W24x370	W14x53	W14x145	W14x61	W24x370	W14x132	W14x132	W24x370	W14x109	W14x193	W14x145	W24x370	W24x370	W14x61	W14x132	W24x370	W14x61	W14x159	W14x159	W24x370	W14x90	W24x370	W24x370	W24x370	W24x370	W24x370	W24x370	W24x370	W24x370	W24x370	W24x370	W24x370	W14x159	W14x61	W24x370	W14x132	W24x370	W14x159	W14x109	W24x370	W24x370	W24x370	W24x370	HSSRx8⅞x⅝	W24x370	HSSRx8⅞x⅝	W14x82	W14x90	W14x90	W14x159
GROUND FLOOR																																																								
ELEVATION 143'-8½"							W14x53	W14x159	W14x61	W24x370	W14x176	W14x145		W14x109	W14x211				W14x61	W14x145		W14x61				W14x90						W24x370	W24x370			W24x370	W24x370	W14x176	W14x61		W14x159	W24x370	W14x178	W14x132		W24x370	W24x370	W24x370	W24x370	HSSRx8⅞x⅝							
BASEMENT LEVEL																																																								
ELEVATION 130'-2"																W14x159	W24x370	W24x370					W14x176	W14x176																																	
SUB-BASEMENT LEVEL																																																								
ELEVATION 115'-0"																																																								
BOTTOM OF BASE @ ELEVATION	143'-3¼"	143'-3¼"	143'-3¼"	143'-3¼"	143'-3¼"	143'-3¼"	129'-3"	129'-3"	129'-3"	129'-3"	129'-3"	129'-8¾"	143'-3¼"	129'-3"	129'-8¾"	114'-1"	114'-1"	114'-1"	129'-8¾"	129'-3"	143'-3¼"	129'-8¾"	114'-1"	114'-1"	129'-8¾"	129'-8¾"	143'-3¼"	143'-3¼"	143'-3¼"	129'-8¾"	129'-3"	129'-3"	143'-3¼"	143'-3¼"	129'-3"	129'-3"	129'-3"	129'-3"	143'-3¼"	129'-3"	129'-3"	129'-3"	129'-3"	143'-3¼"	129'-3"	129'-3"	129'-3"	129'-3"	129'-3"	143'-3¼"	143'-3¼"	143'-3¼"	143'-3¼"	143'-3¼"	143'-3¼"
BASE & SIZE — & TYPE	C	C	C	C	C	C	B	B	B	C	B	C	C	B	B	B	C	C	B	B	C	B	B	B	C	B	C	C	C	C	C	C	C	C	C	C	C	B	B	C	B	C	B	B	C	C	C	C	C	A	C	A	B	B	B	B
BASE & SIZE — & THICKNESS																																																								
PILASTER TYPE		SEE PLANS																																																						

	J.6-9	K-8	K-9	K-10	C.3-7.5	D-7.5	D.3-5	D.3-6.5	D.3-7.5
ELEVATOR/STAIRS HEADHOUSE									
ELEVATION 238'-7½"					W10x33	W10x33	W10x33	W10x33	W10x33
SIXTH FLOOR/ROOF LEVEL									
ELEVATION 228'-7½" (Typical splice location 3'-6")	W14x90	W14x68	W14x68	W24x162					
FIFTH FLOOR/ MECHANICAL LEVEL									
ELEVATION 206'-6"	W14x90	W14x68	W14x68	W24x229					
FOURTH FLOOR									
ELEVATION 192'-6" (Typical splice location 3'-6")									
THIRD FLOOR									
ELEVATION 178'-6"									
SECOND FLOOR									
ELEVATION 164'-6" (Typical splice location 3'-6")	W14x233	W14x82	W14x82	W24x370					
GROUND FLOOR									
ELEVATION 143'-8½"									
BASEMENT LEVEL									
ELEVATION 130'-2½"									
SUB-BASEMENT LEVEL									
ELEVATION 115'-0"									
BOTTOM OF BASE @ ELEVATION	143'-3¼"	163'-11¾"	163'-11¾"	142'-9½"	229'-11¾"	229'-11¾"	229'-11¾"	229'-11¾"	229'-11¾"
BASE & SIZE — & TYPE	B	B	B	C	B	B	B	B	B
BASE & SIZE — & THICKNESS									
PILASTER TYPE		SEE PLANS							

Cantilever trusses

NOTES:

1. Indicates moment splice for columns used in moment frames
2. Indicates typical gravity column splice
3. Refer to plans for column orientations.
4. Refer to Typical Details for additional information.
5. Indicates location of future column extension

General Notes:

SGH

Simpson Gumpertz & Heger Inc.

Consulting Engineers

Boston, MA — 41 Sawyer Street, Building 1, Suite 500, Waltham, MA 02453 — Telephone: (781) 907 9000, Facsimile: (781) 907 9009

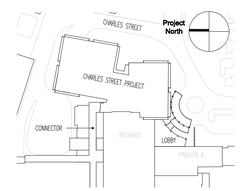
San Francisco, CA — 222 Sutter Street, Suite 300, San Francisco, CA 94108-4441 — Telephone: (415) 495 3700, Facsimile: (415) 495 3550

Washington, DC — 1355 Piccard Drive, Suite 220, Rockville, MD 20850 — Telephone: (301) 417 0999, Facsimile: (301) 417 9825

MARK	ISSUE DATE	DESCRIPTION
PERMIT	09/24/04	PERMIT SET – NOT FOR CONSTRUCTION

FOR PERMIT ONLY - NOT FOR CONSTRUCTION

Issue Log



Key Plan

TRO
Architecture
Planning
Engineering
Interior Design
The Ritchie Organization
80 Bridge Street
Newton, MA 02458-1134
617-969-9400

Maine Medical Center
Charles Street Project
Portland, Maine — MMC Project No. 21841

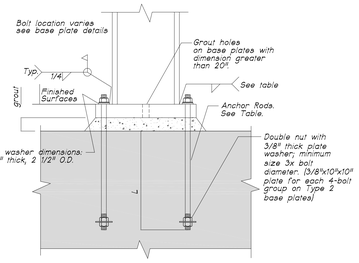
Drawing Title
COLUMN SCHEDULE AND DETAILS

0' 4' 8' 16' 32'

Commission No. 4673	Date Issued
Scale AS NOTED	Sheet Number
Drawn By KMC/SK	S310
Approved By JHT/JMT	
Filename L:/2000/20684.00/...	

Copyright © 2004 The Ritchie Organization

TYPE	ANCHOR ROD Diameter	ANCHOR ROD L	ROD MATERIAL	NUT MATERIAL	WELD	GROUT	NOTES
Typical UON	1"ø	1'-3"	A36	A563 Grade A	¼" Outside Flanges	2"	-

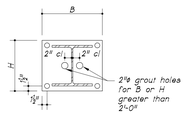


NOTES:

1.) Provide leveling nuts and shim packs as required to maintain column levelness.

2.) Washer plates ASTM A36

1 COLUMN BASE AND ANCHOR ROD DETAILS

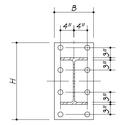


BASE PLATE DETAIL TYPE A
(Similar for HSS Columns)

NOTES:

1.) All bolt holes 1/2" oversize.

2.) All columns and base plate are centerewd on grid unless otherwise noted on plan.

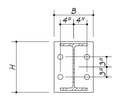


BASE PLATE DETAIL TYPE C

NOTES:

1.) All bolt holes 1/2" oversize.

2.) All columns and base plate are centerewd on grid unless otherwise noted on plan.

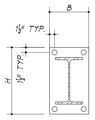


BASE PLATE DETAIL TYPE B

NOTES:

1.) All bolt holes 1/2" oversize.

2.) All columns and base plate are centerewd on grid unless otherwise noted on plan.

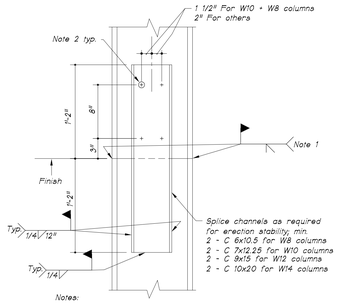


BASE PLATE DETAIL TYPE D

NOTES:

1.) All bolt holes 1/2" oversize.

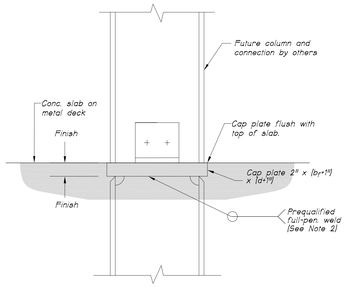
2.) All columns and base plate are centerewd on grid unless otherwise noted on plan.



Notes:

1. Min. effective weld size: 1/4" for flanges to 1/2" thick; 3/8" for flanges to 3/4" thick; 1/2" for flanges to 1 1/2" thick; 5/8" for thicker flanges.
2. Min. 3/4"ø A325 bolts.

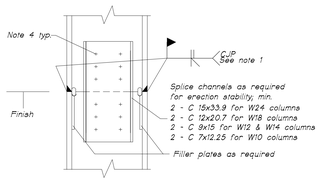
2 TYPICAL GRAVITY COLUMN SPLICE



Notes:

1. Cap PL material to be A572 Gr. 50
2. For gravity columns, the full-pen weld can be substituted by ¼" fillet weld, all-around (without backgouge).

3 TYPICAL COLUMN TERMINATION AT ROOF LEVEL



Notes:

1. Min. 1/8" thick landing, backgouge (B-U4b or B-U4b-GF)
2. Design channel and bolts to transfer 50% of the column web strength defined as $0.6\ F_y A_w$.
3. Bolted-welded splice channel acceptable alternate.
4. Min. 7/8"ø A325 slip critical bolts.

4 TYPICAL MOMENT FRAME OR BRACED FRAME COLUMN SPLICE