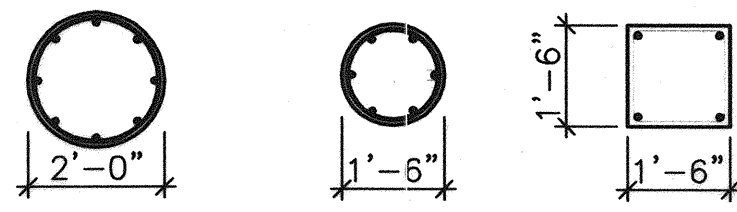
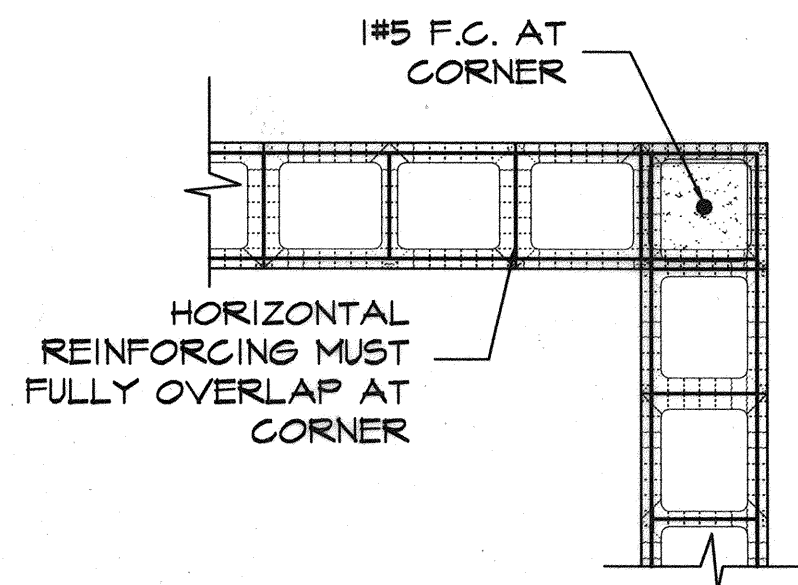


CONCRETE COLUMN SCHEDULE						
F _c = 4000 P.S.I., F _y = 60,000 P.S.I.	ROOF	8 #3	6 #3			
	MEZZANINE	8 #3	6 #3			
	2nd FLOOR	8 #3	6 #3	4 #3	4 #3	
	TOP OF PIER	See DTL	See DTL	See DTL	See DTL	
	SIZE	± 24"	± 18"	18" x 18"	± 18"	18" x 18"
	MARK	Note 1	Note 2	Note 3	Note 4	Note 5

- Note 1: For Columns 1, 2, 4, 6, 9, 14, 18, 19.
 Note 2: For Columns 11, 16, 20.
 Note 3: For Columns 10, 15.
 Note 4: For Columns 5.
 Note 5: For Columns 22.

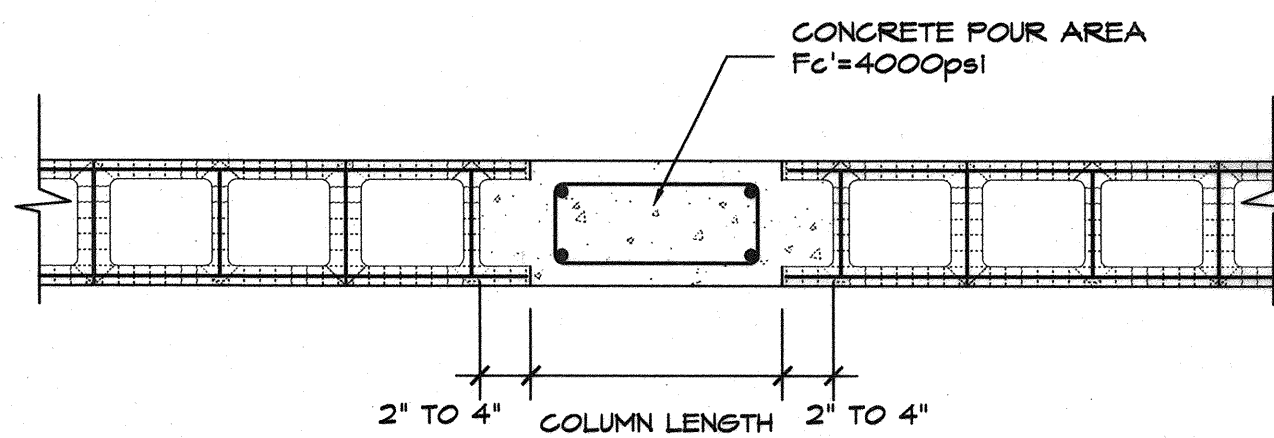


TYPICAL CONCRETE COLUMNS
NT.S.

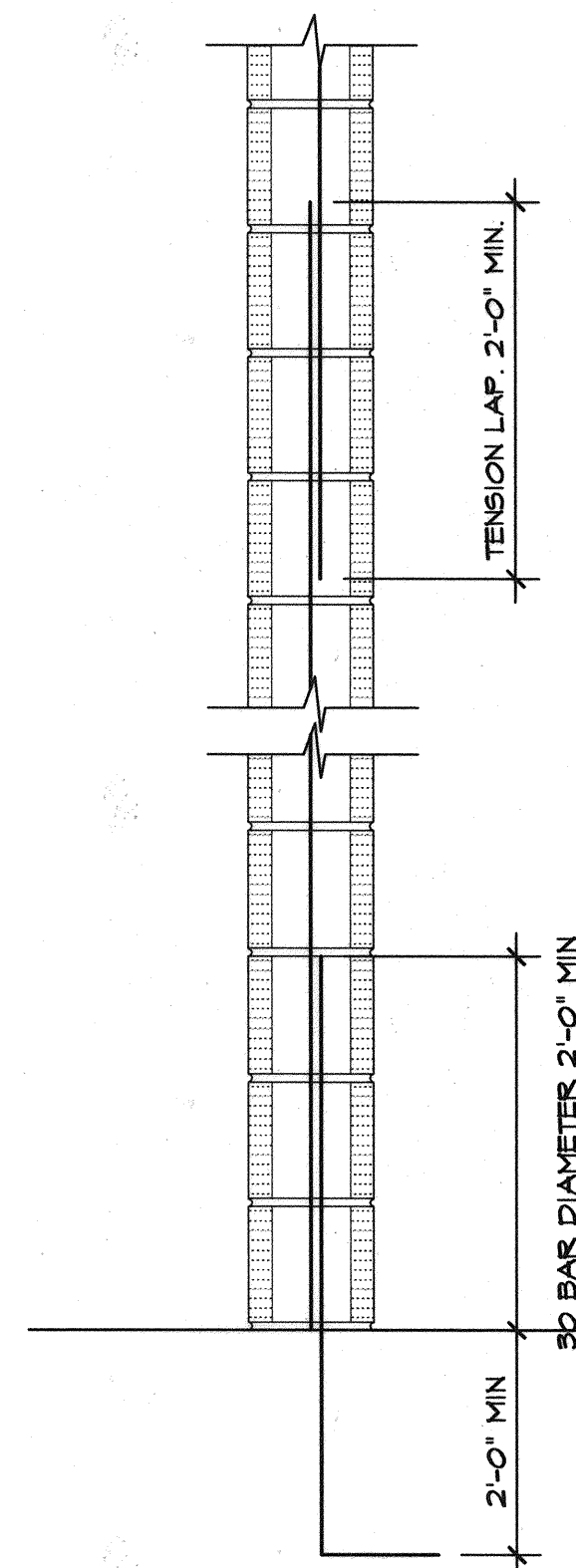


MANSORY WALL CORNER DETAIL

NT.S.



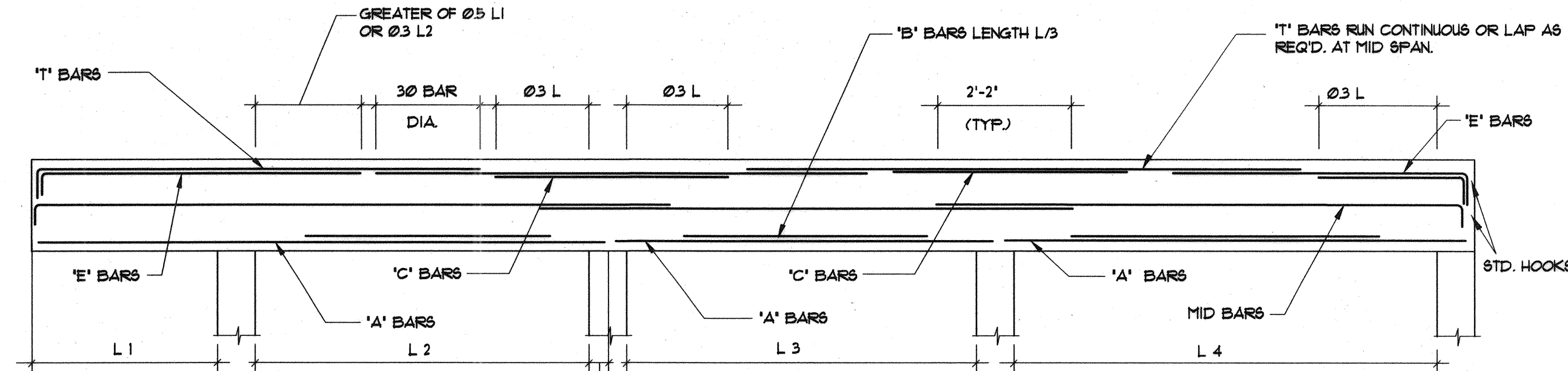
TIE COLUMN CONNECTION TO BLOCK WALL (ALTERNATIVE 1)
NT.S.



REBAR LAP SPLICE REQUIREMENT

NOETE: APPLICABLE TO TIE COLUMNS REBARS.

NT.S.



- NOTE:
 1. 'L' IS THE LONGER OF ADJACENT SPAN.
 2. 8" WIDE BEAMS TAKE A MAXIMUM OF 2 BARS PER LAYER.
 3. STIRRUPS TO BE CLOSED TYPE WITH 135° HOOK.
 4. MID BARS TO BE #4@12" E.F. WHENEVER BEAM DEPTH IS LARGER THAN 2'-0".

TYPICAL BEAM BAR PLACING DIAGRAM
NT.S.

MARK	TOP ELEV.	SIZE (INCHES)		BOTTOM REINF.		TOP REINFORCING			MIDBARS		BEAM SHEAR		REMARKS
		W	D	'A' BARS	'B' BARS	'C' BARS	'T' BARS	'E' BARS	SIZE	SPACE			
2TB-1	+16'-0"	8	24	2 #6			2 #6		2 #5 EF.	3	#6	1 / S201-T	
2TB-3	+13'-11"	8	16	2 #6			2 #6			3	#6	1 / S202-T	
2TB-4,5	+12'-11"	8	16	2 #6			2 #6			3	#6	2 / S202-T	
2TB-2	+16'-0"	8	24	2 #7			2 #7		2 #5 EF.	3	#6		
2B-1	+16'-0"	24	24	4 #3		2 #3	2 #3	2 #3	1 #5 EF.	4	#12		
2B-2	+16'-0"	24	24	4 #3		2 #3	2 #3	2 #3	1 #5 EF.	4	#12		
2B-3	+16'-0"	24	24	4 #10		2 #10	2 #3	2 #10	1 #5 EF.	4	#12		
2B-4,5,6	+16'-0"	44	24	4 #10 + 2 #3		2 #10	2 #10 + 2 #3		2 #6 EF.	4	#6	3 / S202-T	
2B-7	+16'-0"	44	24	6 #3		2 #3	2 #3	2 #3	2 #6 EF.	4	#6		
3B-1	+29'-6"	44	24	6 #3		2 #3	2 #3	2 #3	2 #6 EF.	4	#6		
RB-1		24	24	4 #3		2 #3	2 #3	2 #3	1 #5 EF.	4	#12		
RB-2		24	24	4 #3		2 #3	2 #3	2 #3	1 #5 EF.	4	#12		
RB-3A		16	24/10	2 #6			4 #3 FROM RB-3			3	#12		
RB-3 to 6		24	24	4 #3		2 #3	2 #3		1 #5 EF.	4	#12		
RB-7		8	16	2 #6			2 #6			3	#8		
RB-8		16	16	2 #3			2 #3			3	#12	min. 2 ties @ overhang	
RB-9		8	24/10	2 #3			2 #3			3	#12		
RTB-1		8	32	2 #6			2 #6		2 #5 EF.	3	#12		
RTB-2		8	18	2 #6			2 #6			3	#12		

- NOTES:
 1. USE #3 TIES FOR #10 VERTICAL REINFORCING OR SMALLER.
 2. TIE SPACING SHALL BE:
 A - LEAST DIMENSION OF COLUMN
 B - 16 TIMES MAIN BAR DIAMETER
 C - #3 AT 18" OR #4 AT 24" WHICHEVER IS SMALLER

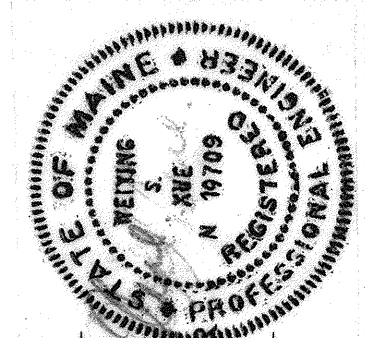
TYPICAL COLUMN DETAIL
NT.S.

IN ASSOCIATION WITH:
 GORRILL-PALMER CONSULTING ENGINEERS
 100 MARKET STREET, SUITE 200
 WINTON, SCOTT ARCHITECTS
 HAILEY & ALDRICH



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 PROJECT NUMBER 009215.00

PIN
 009215.00



SIGNATURE	DATE
PAUL POTTLE	10/8/2004
P. LICENSE NUMBER	ARC 2644
DATE	10/8/2004
FIELD CHANGES	

CITY OF PORTLAND
 OCEAN GATEWAY PHASE 1
 TERMINAL BUILDING
 SCHEDULES

S002-T