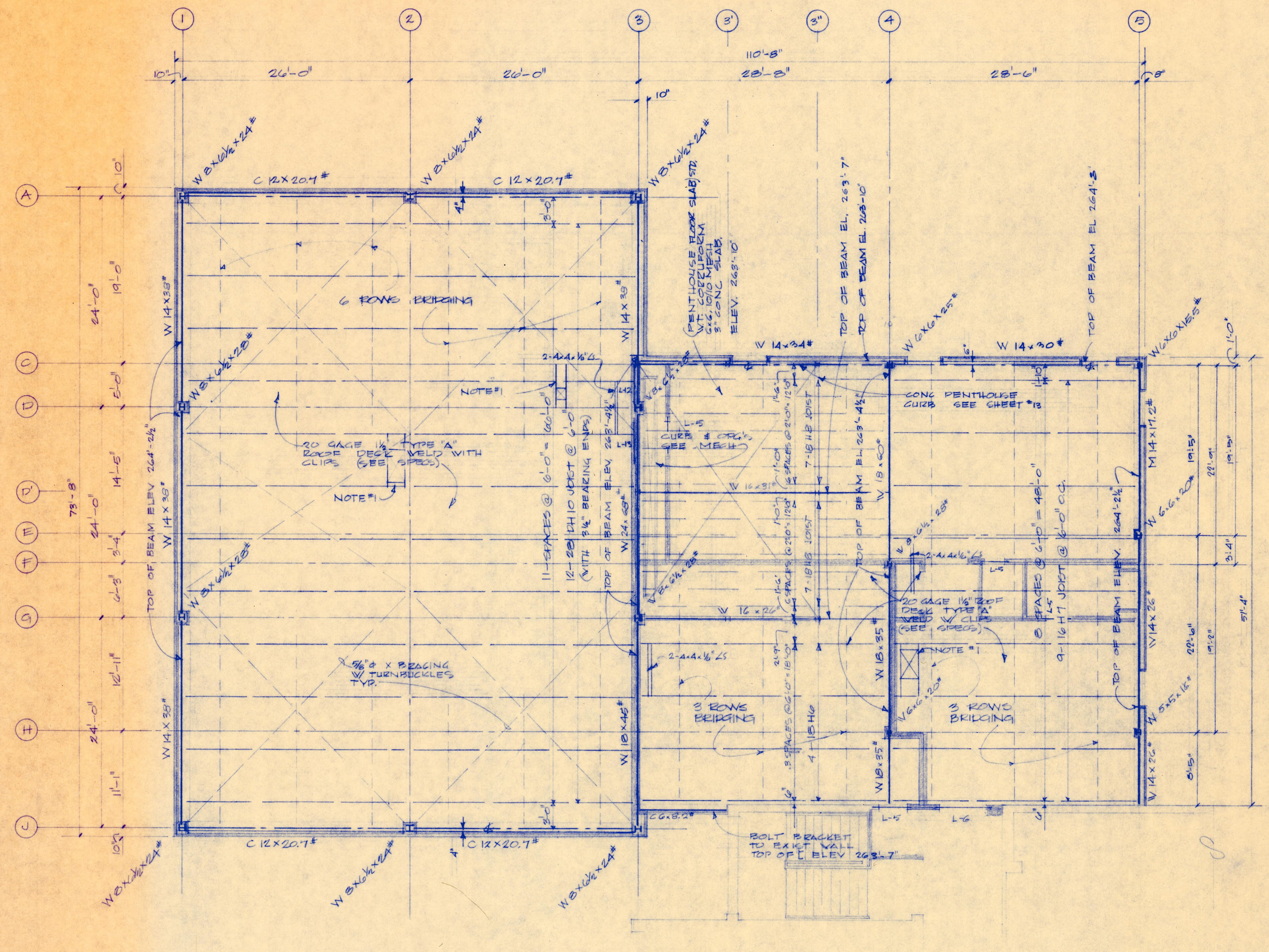
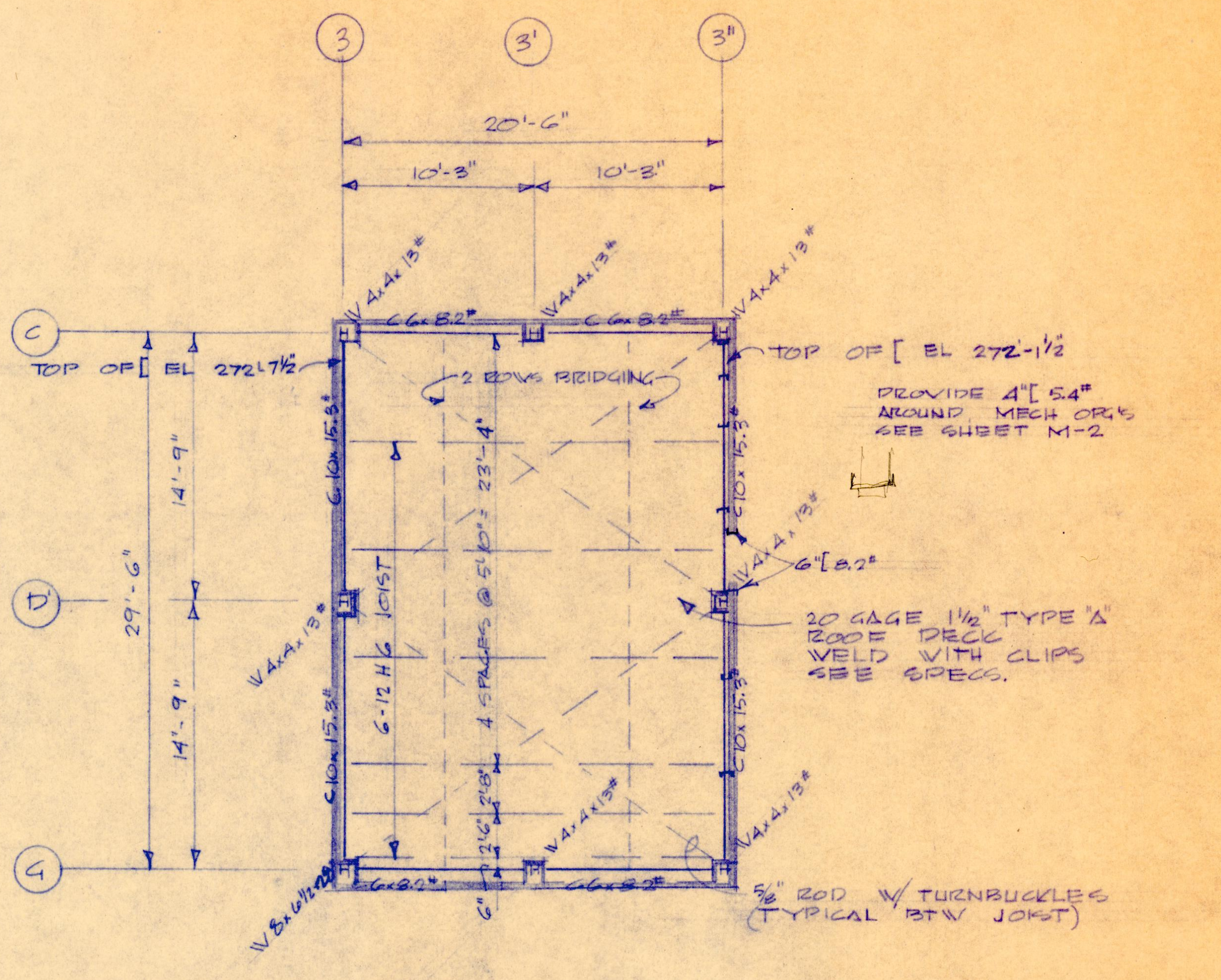

1
2
3
3'
3"
4
5
110'-8"
10"
26'-0"
26'-0"
28'-8"
28'-6"
8"
A
C
D
D'
E
F
G
H
J
73'-8"
24'-0"
19'-0"
5'-0"
14'-5"
3'-4"
6'-3"
12'-11"
11'-1"
10"
C 12×20.7#
W 8×6½×24#
W 14×38#
W 8×6½×28#
6 ROWS BRIDGING
NOTE #1
20 GAGE 1½" TYPE "A" ROOF DECK WELD WITH CLIPS (SEE SPECS)
TOP OF BEAM ELEV 264'-2½"
2-4×4×½" ∠S
11-SPACES @ 6'-0" = 66'-0"
12-28 DH 10 JOIST @ 6'-0 (WITH 3½" BEARING ENDS)
TOP OF BEAM ELEV. 263'-4½"
W 24×68#
5/8"Φ X BRACING W/ TURNBUCKLES TYP.
W 18×45#
PENTHOUSE FLOOR SLAB, STD. WT. CORRUFORM 6×6, 10/10 MESH 3" CONC SLAB, ELEV. 263'-10"
TOP OF BEAM EL. 263'-7"
TOP OF BEAM EL. 263'-10"
TOP OF BEAM EL. 264'-3"
W 14×34#
W 6×6×25#
W 14×30#
W 6×6×15.5#
CONC PENTHOUSE CURB SEE SHEET #13
CURB & OPG'S SEE MECH
L-5
L-6
L-12
L-13
W 16×31#
W 16×26#
7-18 H8 JOIST
6 SPACES @ 2'-0" = 12'-0"
TOP OF BEAM EL. 263'-4½"
W 18×60#
W 18×35#
M 14×17.2#
W 6×6×20#
W 14×26#
W 5×5×16#
W 6×6×20#
8 SPACES @ 6'-0" = 48'-0"
9-16 H7 JOIST @ 6'-0" O.C.
TOP OF BEAM ELEV. 264'-2½"
20 GAGE 1½" ROOF DECK TYPE "A" WELD W/ CLIPS (SEE SPECS)
3 ROWS BRIDGING
4-18 H6
3 SPACES @ 6'-0" = 18'-0"
C 6×8.2#
BOLT BRACKET TO EXIST WALL TOP OF [ELEV 263'-7"
1'-0"
19'-5"
22'-9"
3'-4"
22'-6"
19'-2"
8'-5"
51'-4"

ROOF FRAMING PLAN

SCALE: 1/8"-1'-0"

LINTEL SCHEDULE				
MARK	NO REQ'D	SIZE	LENGTH	REMARKS
L-1	2	8" REINF CONC BLOCK 3½ x 3½ x ¼" ∠S	6'-8"	8" 8" L OMIT ∠S FOR ALT BID #1
L-2	1	8" REINF CONC BLOCK	4'-8"	8" 8"
L-3	1	D.O.	5'-10"	8" 8"
L-4	1	D.O.	7'-8"	8" 8"
L-5	10	6" REINF CONC BLOCK	4'-8"	6" 8"
L-6	4	D.O.	6'-8"	6" 8"
L-7	1	D.O.	4'-2"	6" 8"
L-8	2	D.O.	5'-8"	6" 8" CUT & PATCH EXIST WALL
L-9	3	D.O.	5'-4"	6" 8" CUT & PATCH EXIST. WALL
L-10	1	2-6" REINF CONC BLOCK	5'-4"	6" 6" 8" CUT & PATCH EXIST WALL
L-11	1	6" REINF CONC BLOCK	3'-0"	6" 8"
L-12	1	8" REINF CONC BLOCK	5'-4"	8" 8"
L-13	1	D.O.	5'-10"	8" 8"
L-14	1	D.O.	2'-8"	8" 8" CUT & PATCH EXIST WALL
L-15	1	2-3½ x 3½" x ¼" ∠S	6'-4"	BOLT TO WEST STAIR WALL

SEE SHEET #2 FOR ADDITIONAL LINTEL LOCATIONS.


3
3'
3"
C
D'
G
20'-6"
10'-3"
10'-3"
29'-6"
14'-9"
14'-9"
W 4×4×13#
C 6×8.2#
C 10×15.3#
TOP OF [EL 272'-7½"
TOP OF [EL 272'-1½
2 ROWS BRIDGING
PROVIDE 4"[5.4# AROUND MECH OPG'S SEE SHEET M-2
6"[8.2#
20 GAGE 1½" TYPE "A" ROOF DECK WELD WITH CLIPS SEE SPECS.
6-12 H6 JOIST
4 SPACES @ 5'-10" = 23'-4"
2'-8"
2'-6"
6"
W 8×6½×28#
5/8" ROD W/ TURNBUCKLES (TYPICAL BTW JOIST)

PENTHOUSE ROOF FRAMING PLAN

SCALE 1/8" = 1'-0"

NOTES:

1. 4x4x¼" ∠S VERIFY OPG SIZE WITH MECH CONTR.
2. ALL BRIDGING TO BE "X" TYPE

ELEV.:
- TOP OF PENTH'SE PARAPET EL. 274'-2⅞"
- TOP OF HIGH ROOF PARAPET EL. 265'-2⅜"
- PENTH'SE FL. EL. 263'-7½"
- TOP OF LOW ROOF PARAPET EL. 254'-1"
- SECOND FLOOR EL. 253'-1⅜"
- FIRST FLOOR EL. 242'-0"
- GYM FLOOR EL. 239'-4"

COL. #	A-1, J-1	D-1, G-1	A-2, J-2	A-3, J-3	D-3, G-3	C-3 D'-3	C-3', G-3'	C-3" D'-3" G-3'"	H-3	C-4	F-4	H-4	C-5	E-5	H-5	B-6, E-10 B-8, I-12 B-10, K-12	H-6 H-8 H-10	E-6, E-8	I-7 I-9 I-11	K-9, M-11 L-9 M-9	K-11	L-11		
ELEV.	TOP COL. 264'-2½" W 8x6½x24# BRG. 239'-4"	TOP BRG. 263'-0⅜" W 8x6½x28# BRG. 239'-4"	TOP COL. 263'-9½" W 8x6½x24# BRG. 239'-4"	TOP BRG. (A-3) 261'-10⅝" TOP BRG. (J-3) 262-2⅜" W 8x6½x24# BRG. 239'-4"	TOP COL. 272'-7½" (G-3) TOP COL. 263'-4½" (D-3) W 8x6½x28# BRG. 238'-1"	TOP COL. 272'-7½" BRG. 263'-4½" W 4x4x13#	TOP COL. 272'-4½" BRG. 263'-4½" W 4x4x13#	TOP COL. 272'-1½" BRG. 263'-4½" W 4x4x13#	TOP COL. 252'-10⅜" BRG. 242'-0" W 4x4x13#	TOP BRG. 261'-10¼" W 6x6x25# BRG. 242'-0"	TOP COL. 263'-4½" W 8x6½x28# BRG. 240'-8"	TOP BRG. 261'-10¾" W 6x6x20# BRG. 240'-5"	TOP BRG. 261'-10¾" BRG. 252'-7⅛" W 6x6x15.5# TOP BRG. 251'-5⅞" BRG. 242'-0" W 6x6x15.5#	TOP COL. 264'-2½" W 6x6x20# BRG. 240'-2"	TOP BRG. 263'-0⅝" W 5x5x16# BRG. 240'-0"	(NOTE COL E-10 TOP BRG 251'-11") TOP BRG 252'-1" W 4x4x13# BRG. 242'-0"	(NOTE COL H-10 TOP BRG 251'-9") TOP BRG. 251'-8" W 4x4x13# BRG. 240'-0" (H-6, H-8) BRG. 242'-0" (H-10)	TOP BRG. 251'-5½" W 4x4x13# BRG. 240'-0"	(NOTE COL I-11 TOP BRG 251'-10¾") TOP BRG. 251'-11" W 4x4x13# BRG. 242'-0"	(NOTE COL M-11 TOP BRG 252'-1⅝") TOP BRG. 251'-11⅞" W 4x4x13# BRG. 242'-0"	TOP BRG 251'-6" W 4x4x13# BRG. 240'-0"	TOP COL. 251'-6⅝" W 4x4x13# BRG. 241'-3"		
TOP PLATE		8x6½x½"		8x6½x½"						7½x6x½"		6x6x½"	6¾x6x½"		5x5x½"	4x6, ½"	4x6x½"	6½x6x½"	4x6x½"	4x6x½"	4x6x½"	4x6x½"		
BOTTOM PL.	12"x12"x1"	12x12x1"	12x12x¾"	12x12x1"	12x12x1⅛"	5½x5½x½	5½x5½x½	5½x5½x½	8x8x¾"	8x16x1½"	12x14x1⅛"	12x12x1⅛"	6x6x½" 8x10x¾"	10x10x1"	10x10x1"	6x6x¾"	6x6x¾"	10x10x¾	6x6x¾"	6x6x¾"	10x10x¾"	6x6x¾"		
ANCHOR BOLT	4-1"Φx2'-0"	4-1"Φx2'-0"	4-1"Φx2'-0"	4-1"Φx2'-0"	4-1"Φx2'-0"	4-¾" BOLTS	4-¾" BOLTS	4-¾" BOLTS	4-½" BOLTS	4-¾"Φ x2'-0"	4-1"Φ x2'-0"	4-¾"Φ x2'-0"	4-¾"Φ x2'-0"	4-¾"Φ x2'-0"	4-¾"Φ x2'-0"	2-½"Φ x2'-0"	2-½"Φ x2'-0"	4-¾"Φ x2'-0"	2-½"Φ x2'-0"	2-½"Φ x2'-0"	4-¾"Φ x2'-0"	2-½"Φ x2'-0"		

COLUMN SCHEDULE VERTICAL SCALE 1/4"=1'-0"

NOTES:
1. COL'S BEARING ON MAS. OR CONC. TO HAVE 1" EMBECO GROUT.
2. PROVIDE 6x6x½" ∠'S SEATS W/ STIFFENERS ON COL'S WHERE JOISTS BEAR ON COL'S.
3. BEND ALL ANCHOR BOLTS @ MID POINT OR TO CONFORM TO FOOTING

WILLIAM A. BRUNNER
NUMBER E-9246

DRAWN BY
CH'KD BY
REVISION

ALTERATION AND ADDITION
SPRING GARDEN MIDDLE SCHOOL
5802 SOUTH 22nd STREET
ST. JOSEPH MISSOURI
SCHOOL DISTRICT OF ST. JOSEPH, MO.

DATE 1-17-72
JOB No.

BRUNNER & BRUNNER ARCHITECTS & ENGINEERS
1105 CORBY BUILDING ST. JOSEPH, MO.

SHEET No. S-3

2007.33.2325.T