

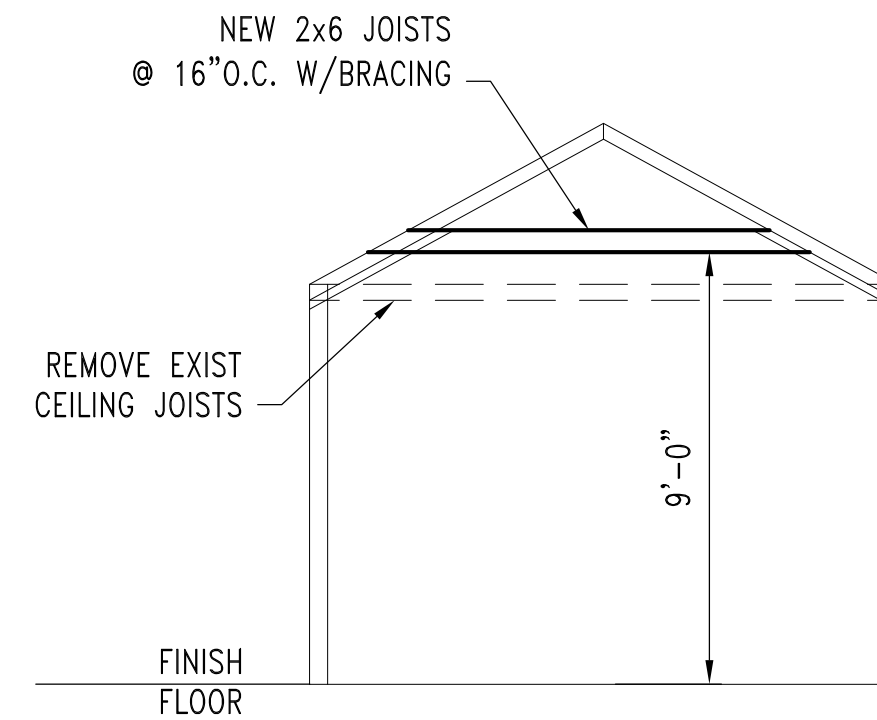
**FIRST FLOOR PLAN**

SCALE: 1/4"=1'-0"



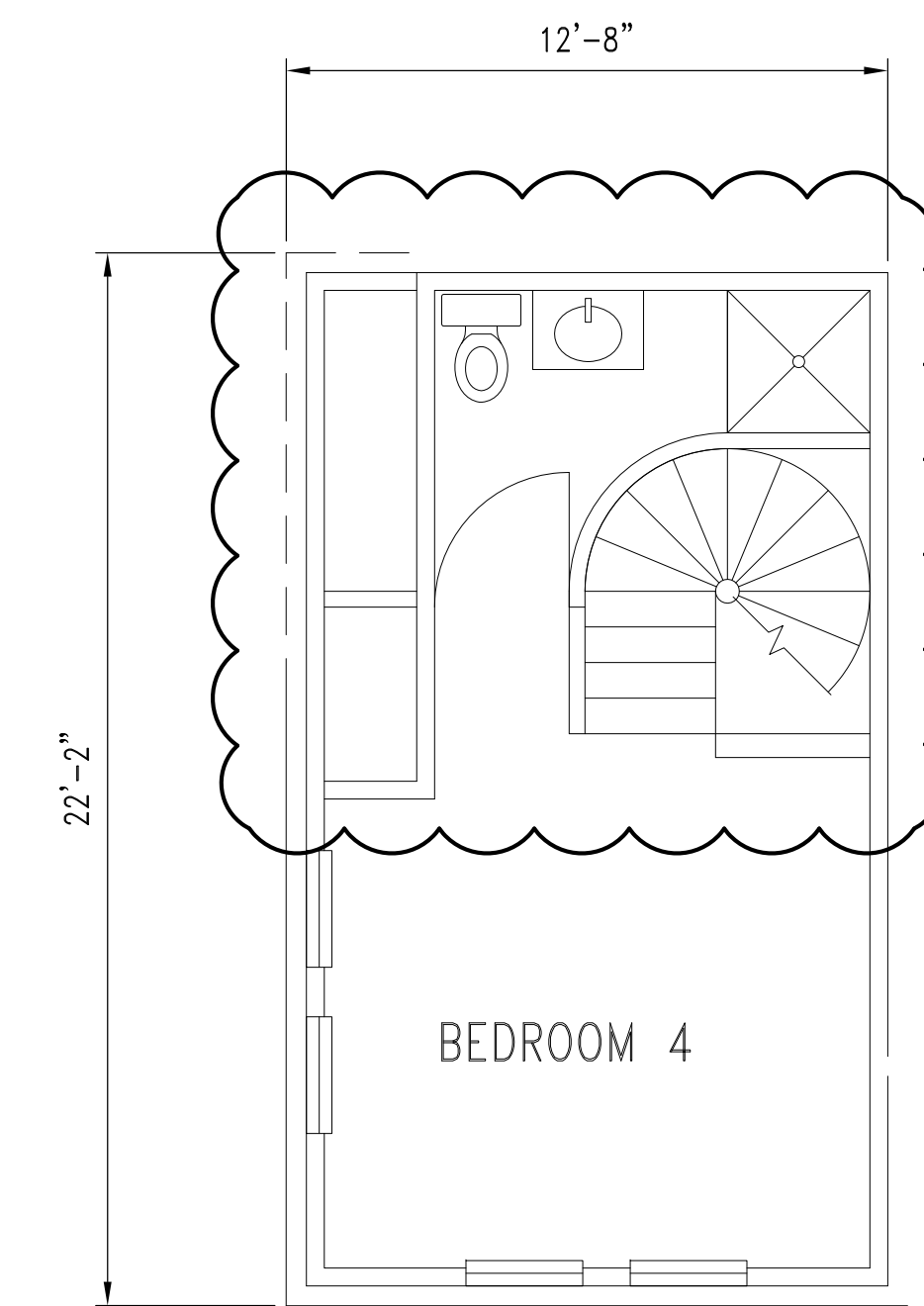
NOTE:  
PAD REINF: #3 BARS @ 6" O.C. E.W.  
PLACE CMU BLOCK PIER ATOP CONCRETE PAD TO HEIGHT REQ'D.  
CENTER ABOUT POSTS (COLUMNS)

NOTE:  
THIS IS AN EXISTING BUILDING. ALL DIMENSIONS NEED TO BE FIELD VERIFIED BY CONTRACTOR.



**SECOND FLOOR SECTION**

SCALE: 1/4"=1'-0"



**SECOND FLOOR PLAN**

SCALE: 1/4"=1'-0"



**GENERAL NOTES**

**DESIGN CRITERIA:**

- THE STRUCTURE IS DESIGNED IN ACCORDANCE TO IBC 2006 WITH CITY OF HOUSTON AMENDMENTS.
- THE FOLLOWING ARE THE MINIMUM CODE LIVE LOADS:  
FLOOR LIVE LOAD ..... 40 PSF  
ROOF LIVE LOAD ..... 20 PSF  
STAIRS.....100 PSF
- LIVE LOAD REDUCTIONS ARE STRICT ACCORDANCE TO IBC 2006 WITH CITY OF HOUSTON AMENDMENTS.

**GRADES**

- ROOF RAFTERS: ----- NO. 2 SOUTHERN YELLOW PINE (SYP), KD, S4S.  
CEILING AND FLOOR JOISTS: ----- NO. 2 SOUTHERN YELLOW PINE (SYP), KD, S4S.  
BEAMS & HEADERS: ----- NO. 2 SOUTHERN YELLOW PINE (SYP), KD, S4S.  
STUDS: ----- NO. 2 DOUBLAS FIR OR BETTER.  
WOOD POSTS: ----- NO. 2 SYP, SURFACE GREEN.

**BEAMS AND HEADERS**

- AT BEAMS MADE UP OF A NUMBER OF 2x JOISTS, EACH JOIST WILL BEAR ON A WALL STUD (I.E. NUMBER OF WALL STUDS SHALL MATCH NUMBER OF JOISTS BEARING ON THESE STUDS). THE CENTERLINE OF THE BEAM SHALL BE THE CENTERLINE OF THE SUPPORTING WALL STUDS.
- ALL BEAMS MADE UP OF A NUMBER OF 2x JOISTS SHALL BE FASTENED AS FOLLOWS: FOR THE MAXIMUM HORIZONTAL SPACING BOLTS:  
2-2x12 20d NAILS @ 12" TOP & BOTTOM, STAGGER EA. FACE  
3-2x12 20d NAILS @ 12" TOP & BOTTOM, STAGGER EA. FACE  
4-2x12 (OR MORE) 3/4" Ø BOLTS @ 12" TOP & BOTTOM, STAGGER (W/STD. WASHERS)  
BOLTS SHALL BE 3/4" Ø, LOCATED 2" MINIMUM FROM BEAM EDGES AND SHALL BE STAGGERED IN TOP AND BOTTOM ROWS. PROVIDE STANDARD WASHERS @ EACH FACE.
- ALL DOOR AND WINDOW HEADERS (AT ANY OTHER OPENING) THAT ARE NOT SPECIFIED ON PLANS SHALL BE AS FOLLOWS:  
FIRST FLOOR OPENINGS : 2-2x12  
SECOND FLOOR OPENINGS : 2-2x8

**CONNECTORS AND FASTENERS**

- CONNECTOR'S SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. SAN LEANDRO, CA. OR APPROVED EQUAL.
- PROVIDE BASE AND CAP CONNECTORS AT ALL COLUMNS 4x4 OR LARGER, AS FOLLOWS:  
COLUMN BASE CONNECTOR: CB SERIES  
COLUMN CAP CONNECTOR: PC SERIES (OR EPC AT BM ENDS)  
USE APPLICABLE COLUMN/BEAM MODEL NUMBERS.
- WHERE REQUIRED, JOIST HANGERS SHALL BE 16 GA. GALVANIZED "U-STANDARD" JOIST HANGERS, APPLICABLE TO CORRESPONDING SIZE, INCLUDING DOUBLED OR TRIPLED JOIST.
- WHERE REQUIRED, BEAM/PURLIN HANGER SHALL BE 12 GA., GALVANIZED, "B-SERIES" APPLICABLE TO CORRESPONDING SIZE.
- PROVIDE 1/2" DIAMETER ANCHOR BOLTS AT 4'-0" MAXIMUM SPACING AT ALL EXTERIOR STUDS WALL SILL PLATES. AT GRADE BEAM / CONCRETE FOUNDATION. BOLTS SHALL BE 10" LONG, ASTM A-307.
- WHERE CALLED OUT, ALL THROUGH BOLTS SHALL BE ASTM A-307. PROVIDE STANDARD WASHERS AT ALL WOOD SURFACES.
- ALL BOLTS, NUTS, WASHERS, NAILS & OTHER FASTENERS EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED.

**HURRICANE CLIPS**

PROVIDE HURRICANE CLIPS @ EVERY OTHER ROOF TRUSS OR RAFTER (SIMPSON H1 OR APPROVED EQUAL).

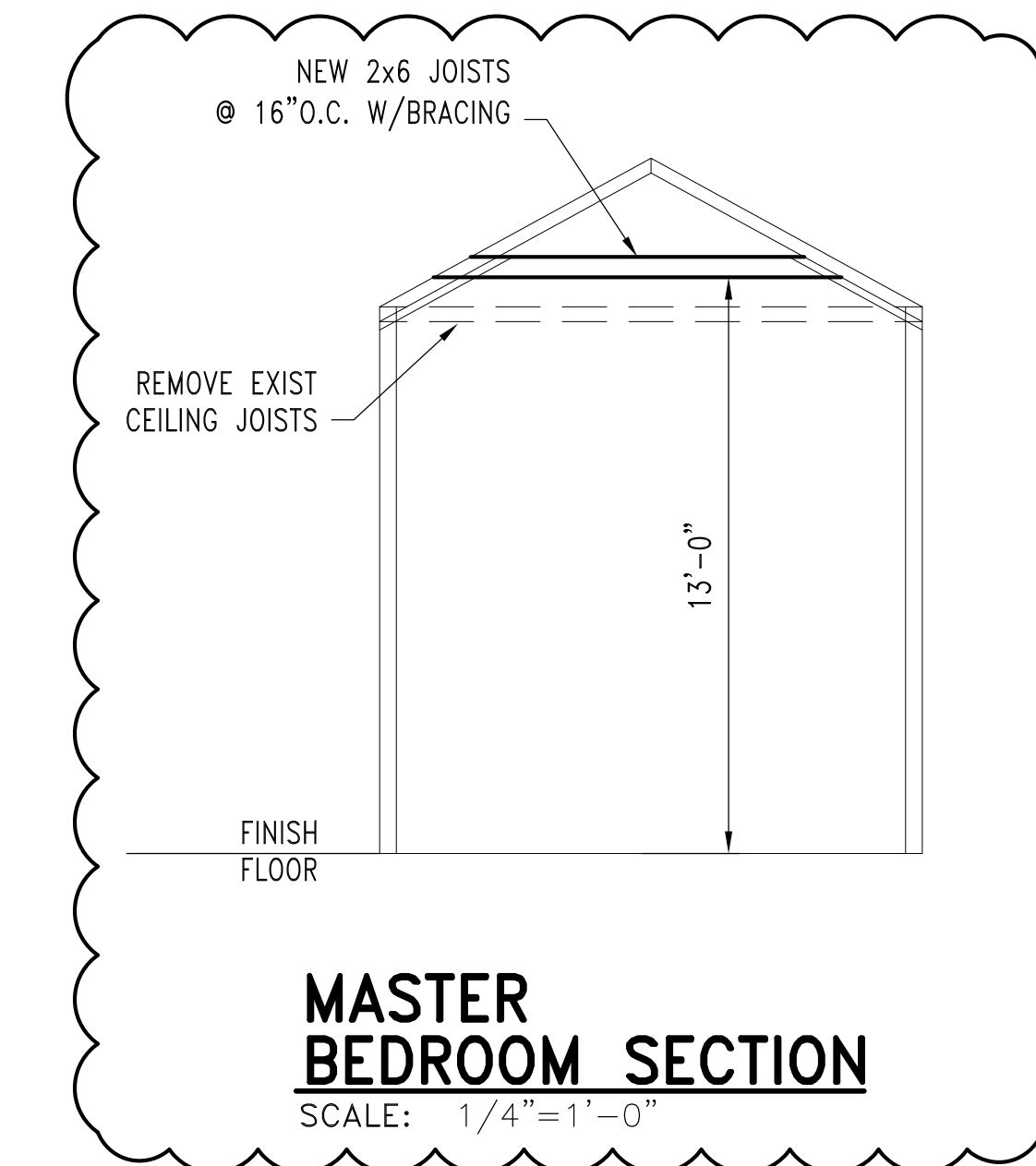
**MISCELLANEOUS:**

ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE TREATED LUMBER.

**PARALLEL STRAND LUMBER (PSL), LAMINATED STRUCTURAL LUMBER (LSL), & LAMINATED VENEER LUMBER (LVL)**

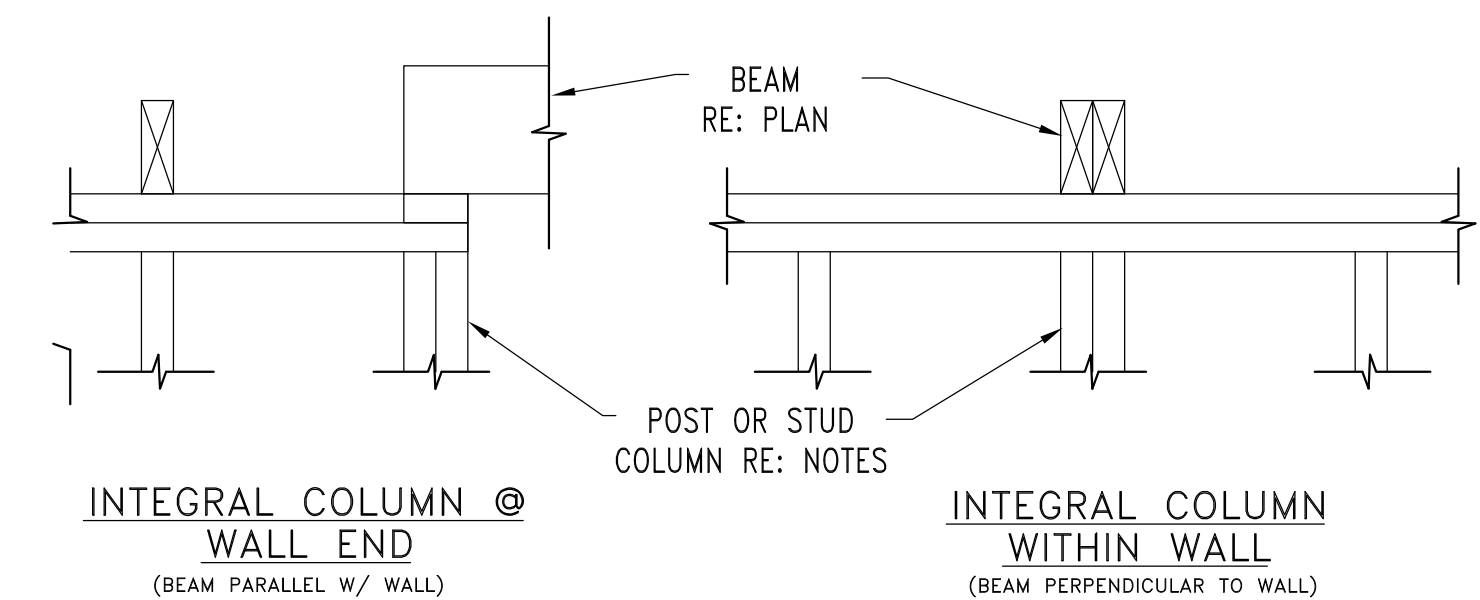
WHERE SHOWN ON DRAWINGS, THESE PRODUCTS SPECIFICATIONS SHALL CONFORM TO THE FOLLOWING SCHEDULE:

PRODUCT NAME	PARALLEL STRAND LUMBER (PSL)	LAMINATED STRUCTURAL LUMBER (LSL)	LAMINATED VENEER LUMBER (LVL)
TRADE NAME MANUFACTURER	"PARALLEL" TRUS JOIST MACMILLAN (ATHENS GA. 30601)	"ANTHONY POWER BEAM" ANTHONY FOREST PRODUCTS (EL DORADO AK. 71730)	"VERSA-LAM" BOISE CASCADE (WHITE CITY, OREGON 97503)
FLEXURAL STRESS:	2,900 PSI	3,000 PSI	2,640 PSI
HORIZ. SHEAR STRESS:	290 PSI	290 PSI	285 PSI
MODULES OF ELASTICITY:	2,000,000 PSI	2,100,000 PSI (W/CAMBER TO OFFSET DEFLECTION)	2,000,000 PSI



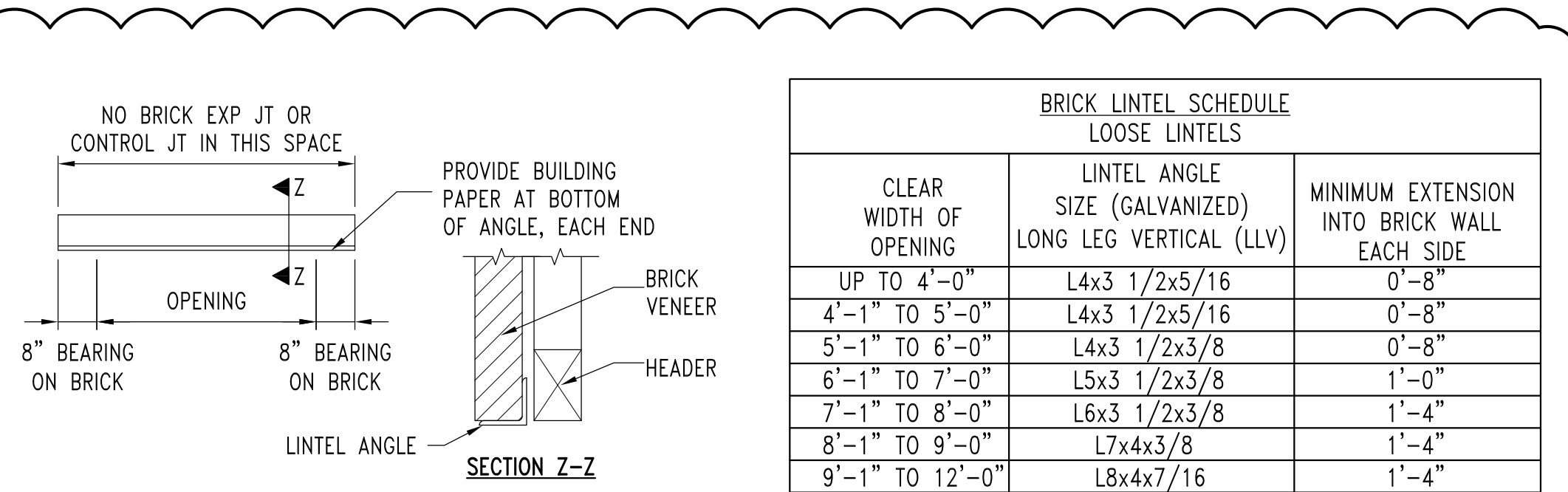
**MASTER BEDROOM SECTION**

SCALE: 1/4"=1'-0"



**NOTES:**

- ALL BEAMS MADE UP OF MULTIPLE 2x MEMBERS SHALL BE SUPPORTED @ EA. END BY A POST EQUAL IN THICKNESS TO THE BEAM (MIN.) I.E. 2-2x12 BEAM SHALL REQUIRE 2-2x STUD POST (MIN.) SOLID SAWN LUMBER MAY BE SUBSTITUTED FOR BUILT-UP POSTS.
- COLUMNS MADE UP OF MULTIPLE 2x MEMBERS SHALL BE GLUED & FASTENED TO ACT AS A UNIT AS FOLLOWS:  
2-2x4-----16d COMMON NAILS @ 12" O.C. EA. FACE.  
3-2x4-----20d COMMON NAILS @12" O.C. EA. FACE.  
4-2x4 AND ABOVE---3/4" BOLTS @ 12" O.C. (WASHERS EA. FACE)
- PARALLEL STRAND LUMBER (PSL) AND LAMINATED LUMBER (LSL & LVL) BEAMS & HEADERS SHALL BE SUPPORTED AT EACH END AS FOLLOWS:  
3 1/2" WIDE MEMBERS-----3-2x STUDS OR 4x6 POST  
5 1/4" WIDE MEMBERS UP TO 14" DEPTH-----4-2x STUDS OR 4x6 POST  
5 1/4" WIDE MEMBERS OVER 14" DEPTH-----5-2x STUDS OR 4x8 POST  
7" WIDE MEMBERS-----5-2x STUDS OR 4x8 POST  
MAX COLUMN OR POST HEIGHT: 10'-0". RE: PLANS OR CONSULT ENGINEER FOR LARGER HEIGHTS.

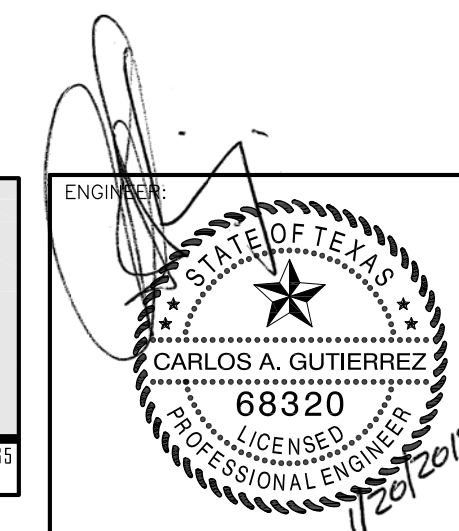


**TYPICAL DETAIL BRICK LOOSE LINTEL SCHEDULE**

SCALE: N.T.S.

BRICK LINTEL SCHEDULE LOOSE LINTELS		
CLEAR WIDTH OF OPENING	LINTEL ANGLE SIZE (GALVANIZED) LONG LEG VERTICAL (LLV)	MINIMUM EXTENSION INTO BRICK WALL EACH SIDE
UP TO 4'-0"	L4x3 1/2x5/16	0'-8"
4'-1" TO 5'-0"	L4x3 1/2x5/16	0'-8"
5'-1" TO 6'-0"	L4x3 1/2x3/8	0'-8"
6'-1" TO 7'-0"	L5x3 1/2x3/8	1'-0"
7'-1" TO 8'-0"	L6x3 1/2x3/8	1'-4"
8'-1" TO 9'-0"	L7x4x3/8	1'-4"
9'-1" TO 12'-0"	L8x4x7/16	1'-4"

BEYOND 12', REF. DETAILS 5, 6, 10 & 11  
MAXIMUM BRICK HEIGHT ABOVE = 8'-6"  
CONSULT ENGINEER FOR HIGHER BRICK HEIGHTS



PROJECT TITLE: **3459 TAMPA STREET**

PROJ. NO. 2518 SHEET TITLE: **NEW SUPPORT BEAMS AND FOOTINGS** SHEET NUMBER: **S1.0**

DRAWN BY: DJM CHECKED BY: CAG

SCALE: AS SHOWN DATE: 1/20/15

SHT: \_\_\_\_\_ OF \_\_\_\_\_

REV