



STATE OF MISSOURI
CHRIS SATTROP
No. 2008001846
08/05/2020
REGISTERED PROFESSIONAL ENGINEER

STRUCTURAL REVIEW

HD ENGINEERING & DESIGN
1183 W. 75TH ST
SHAWNEE, KS
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SERVICE@HDENGINEERS.COM

HD: 39063 DATE: 08/05/2020

FLAT LOT
ADDRESS
CITY
LOT #

BIRCH GR FL
2362 SW RIVER TRAIL ROAD, LEE'S SUMMIT, MO

HOMEBUILDER®
ASPEN HOMES

6618 ROYAL ST., PLEASANT VALLEY, MO. 64068

MARSHALL HOME DESIGN, LLC.

1723 N.W. 57th COURT, KANSAS CITY, MO. 64151

COPYRIGHT DATE:
5-11-20

PLAN NO
2026

DRAWING NO.:

3

SEE DETAILS ON SHEET S-1.2
FOR ALL COVERED PATIO
FRAMING NOTES & DETAILS

"BUILDERS PLANS DEFINITION"

[illegible]

18" tall x 48" wide

(2) 2x10 headers

DECK PIER SCHEDULE

- ⚠ MIN 5X8 TITRATOR POSITION 15 + CONG PIER WITH USP PAU 66 BASE OR = (1770 MAX)
- ⚠ MIN 5X8 TITRATOR POSITION 16 + CONG PIER WITH USP PAU 18 BASE OR = (2040 MAX)
- ⚠ MIN 5X8 TITRATOR POSITION 18 + CONG PIER WITH USP PAU 18 BASE OR = (2040 MAX)
- ⚠ MIN 5X8 TITRATOR POSITION 19 + CONG PIER WITH USP PAU 18 BASE OR = (2040 MAX)

PIERS TO TERMINATE ON CRUSHAL SOIL OF 1500
PSF MINIMUM BEARING
PIERS TO TERMINATE AT A POINT 8" MINIMUM
BELOW FINISH GRADE
POST ARE NOT TO EXCEED AN 18" MAXIMUM LENGTH
OF 12' WITHOUT CONTACTING AN ENGINEERING
FOR GUIDANCE

COLUMN PAD SCHEDULE

- | | |
|---|---|
| A | 3°-8" SCH. 40 STL. COL. ON 30"Øx12" CONC. PAD W/ (4) #4 BARS E.W. (18.4K MAX.) |
| B | 3°-8" SCH. 40 STL. COL. ON 30"Øx12" CONC. PAD W/ (6) #4 BARS E.W. (13.5K MAX.) |
| C | 3°-12" SCH. 40 STL. COL. ON 42"Øx12" (14" CONC. PAD W/ (12) #4 BARS E.W. (18.4K MAX.) |
| D | 3°-12" SCH. 40 STL. COL. ON 48"Øx16" CONC. PAD W/ (16) #4 BARS E.W. (24K MAX.) |
| E | 3°-12" SCH. 40 STL. COL. ON 54"Øx16" CONC. PAD W/ (16) #4 BARS E.W. (30.4K MAX.) |
| F | 3°-12" SCH. 40 STL. COL. ON 60"Øx18" CONC. PAD W/ (18) #4 BARS E.W. (36K MAX.) |

NOTES

- NOTES:
1. COLUMN AND PIER PAD SIZES SHOWN ARE FOR MAX. COLUMN HEIGHT OF 10'-0" TALL.
2. COLUMN AND PIER PAD SIZES SHOWN ARE BASED ON AN ASSUMED 1800 PSI. THIS IS THE CAPACITY REQUIRED BY AHI. UNDERLINED GENERAL NOTES ON 8-10 FOR MORE DETAILS.
3. ALL STEEL COLUMNS SHALL BE ISOLATED FROM SLABS WITH APPROVED ISOLATION DEVICE OR JOINT.

FOUNDATION PLAN

SCALE 1/4"=1'-0"