

COLUMN & PIER PAD SCHEDULE (REF. 5/S2.0)				
COLUMN MARK	PAD SIZE	REINFORCEMENT	COLUMN SIZE	SCHEDULE 40 STEEL PIPE (FY = 36 ksi MIN.)
A	30" x 30" x 12"	(4) #4 BAR E.W.	3" NOMINAL	
B	36" x 36" x 12"	(4) #4 BAR E.W.	3" NOMINAL	
C	42" x 42" x 12"	(5) #4 BAR E.W.	3" NOMINAL	
D	48" x 48" x 12"	(6) #4 BAR E.W.	3" NOMINAL	
E	54" x 54" x 16"	(8) #4 BAR E.W.	3 1/2" NOMINAL (4" OD)	
F	60" x 60" x 16"	(10) #4 BAR E.W.	3 1/2" NOMINAL (4" OD)	

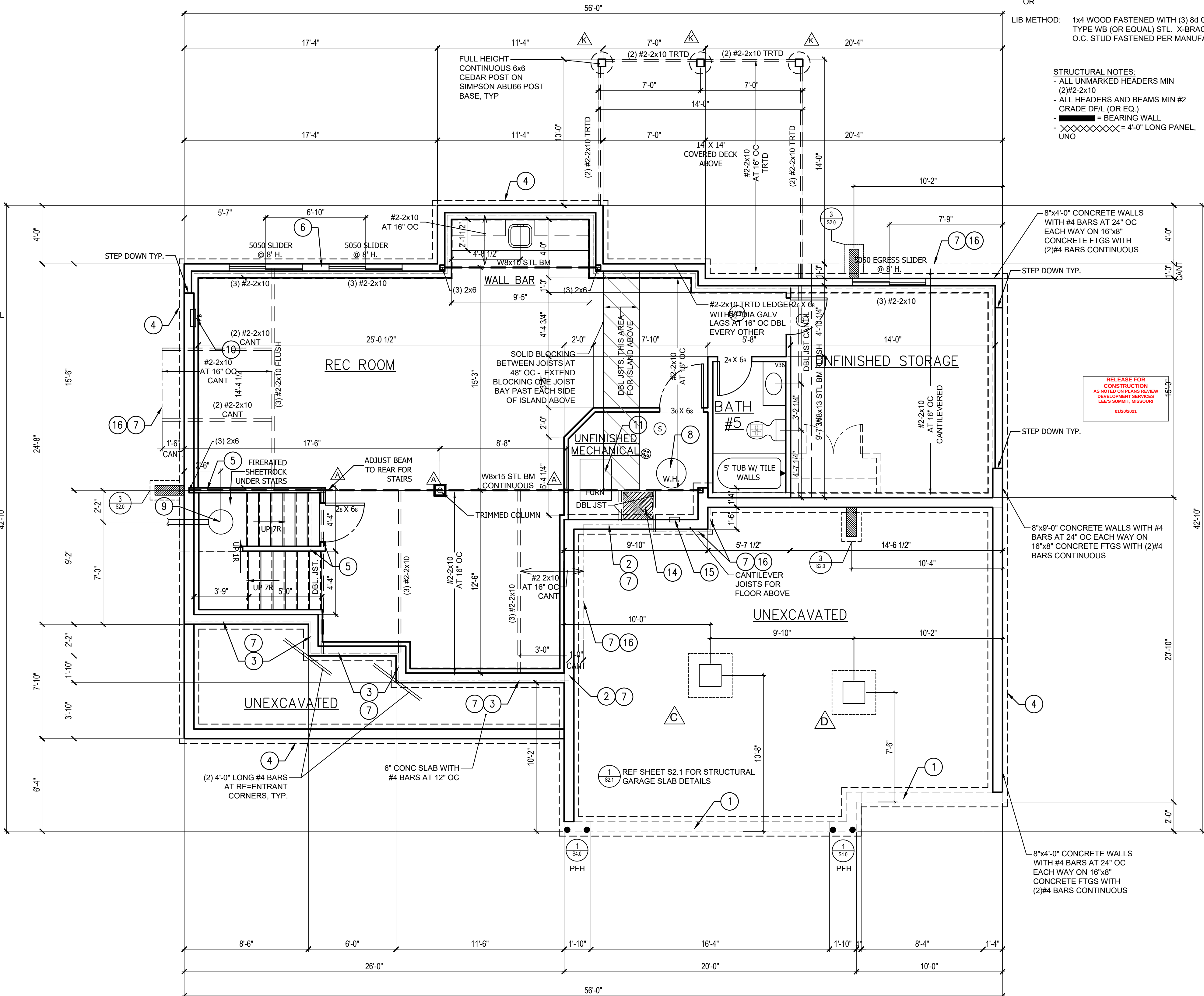
- COLUMN & PAD SIZES SHOWN ARE FOR MAXIMUM COLUMN HEIGHT OF 10'-0". REQUIRES SEPARATE ENG'D DESIGN IF GREATER THAN 10'-0" TALL.
- COLUMN & PIER PAD SIZES SHOWN ARE BASED ON AN ASSUMED MINIMUM ALLOWABLE SOIL BEARING CAPACITY OF 2,000psf.

COLUMN & PIER SCHEDULE		
MARK	COLUMN SIZE	PIER DIA.
A	6x6	12"
B	6x6	16"
C	6x6	18"
D	6x6	24"
E	6x6	28"

- ALL PIERS TO BEAR ON ORIGINAL, UNDISTURBED SOIL OF 2,000psf BEARING CAPACITY OR FILL COMPACTED AND TESTED TO CONFORM TO THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.
- PIERS SHALL EXTEND BELOW THE FROST LINE: MIN. DEPTH OF 36" BELOW GRADE.
- POST SHALL BE TREATED OR CEDAR WITH SIMPSON ABU66 POST BASE

DETAIL REFERENCES

- 1 S2.0 TYPICAL FOUNDATION WALL DETAIL
- 2 S2.0 TYPICAL "UNRESTRAINED" FOUNDATION WALL DETAIL
- 3 S2.0 TYPICAL DEAD MAN DETAIL
- 4 S2.0 FOUNDATION WALL JUMP DETAIL
- 5 S2.0 COLUMN PAD DETAIL
- 1 S2.1 TYPICAL STRUCTURAL GARAGE SLAB PLAN
- 2 S2.1 STRUCTURAL GARAGE SLAB PIER PAD DETAIL
- 3 S2.1 STRUCTURAL GARAGE SLAB / WALL SECTION
- 6 S2.1 TYPICAL OVERDIG DETAIL AT BASEMENT SLAB
- 1 S4.0 ALTERNATE BRACED WALL PANEL DETAIL
- 1 S4.0 APA NARROW WALL BRACING METHOD WITHOUT HOLD-DOWNS ALT.
- A COLUMN AND PIER PAD SCHEDULE (SHEET S2.0)



BRACED WALL METHODOLOGY

CONTINUOUS EXTERIOR SHEATHING PER WSP METHOD (BELOW)
UNLESS OTHERWISE NOTED ON THE PLAN

XXXX EXTERIOR BRACED WALLS:

WSP METHOD: WOOD STRUCTURAL PANEL SHEATHING WITH A THICKNESS NOT LESS THAN 1/2" WITH MINIMUM SPAN RATING OF 24/0 FOR 16" OC STUD SPACING WITH 6d COMMON NAILS AT 6" OC EDGES AND 12" OC FIELD OR SHEATHING THICKNESS NOT LESS THAN 1/4" WITH MINIMUM SPAN RATING OF 24/0 FOR 24" OC SPACING WITH 8d COMMON NAILS AT 6" OC EDGES AND 12" OC IN FIELD.
(NOTE: FRAMING MEMBERS 16" OC MAX, UNLOCKED, AND WITH SHEATHING APPLIED DIRECTLY TO FRAMING MEMBERS)

///// INTERIOR BRACED WALLS (REF 2-S4.0):

GB METHOD: 1/2" MIN. GYPSUM BOARD OVER STUDS SPACED 24" MAX. FASTENED WITH No 6 - 1 1/4" TYPE 'W' OR 'S' DRYWALL SCREWS AT 7" OC EDGES AND FIELD (MIN. 4'-0" SECTION FOR BOTH SIDES.)

OR

LIB METHOD: 1x4 WOOD FASTENED WITH (3) 8d COMMON NAILS OR SIMPSON / USP 16 GA. TYPE WB (OR EQUAL) STL. X-BRACES AT 45° TO 60° ANGLES, MAXIMUM 16" O.C. STUD FASTENED PER MANUFACTURER'S SPECIFICATIONS.

STRUCTURAL NOTES:

- ALL UNMARKED HEADERS MIN (2)#2-2x10
- ALL HEADERS AND BEAMS MIN #2 GRADE DFIL (OR EQ.)
- = BEARING WALL
- = 4'-0" LONG PANEL, UNO

FOUNDATION PLAN NOTES

- RECESS TOP OF FOUNDATION WALL
- HOLD SILL PLATE BACK 4"
- HOLD SILL PLATE BACK 2"
- CONTINUOUS CONCRETE FOOTING
- 2X4 STUD WALL WITH TREATED SILL PLATE
- 2X6 STUD WALL WITH TREATED SILL PLATE
- LINE OF FLOOR ABOVE
- THERMAL EXPANSION CONTROL DEVICE FOR WATER HEATER
- SUMP PIT AND PUMP. PROVIDE ELECTRICAL GFCI PROTECTION. PROVIDE SLEEVE THROUGH FOOTING.
- 200 AMP ELECTRICAL PANEL. LOCATION TO BE DETERMINED ON SITE.
- DIRECT FURNACE. FUEL BURNING APPLIANCES SHALL BE DIRECT VENTED TO EXTERIOR FOR COMBUSTION AIR.
- NOT USED
- NOT USED
- HVAC CHASE ABOVE
- 'UFER' GROUND. VERIFY LOCATION WITH PROJECT MANAGER.
- INSULATE CANTILEVER AS REQUIRED PRIOR TO BLOCKING.
- HOLD TOP OF FOUNDATION DOWN TO ALLOW EXTERIOR FINISH TO MEET DRIVEWAY.

GENERAL NOTES:

BACK WATER VALVES REQUIRED ON ALL BASMENT PLUMBING FIXTURES. PROVIDE MEANS OF CONTROLLING PRESSURE CAUSED BY THERMAL EXPANSION.

SUMP PIT SHALL BE EQUIPPED WITH A PUMP AND RECEPTACLE. IN UNFINISHED PORTIONS OF BASEMENT, RECEPTACLES SHALL HAVE GFI PROTECTION.

ALL SILLS & SLEEPERS SUPPORTED ON CONCRETE OR MASONRY SHALL B OF DECAY-RESISTANT MATERIALS.

DIMENSIONAL LUMBER IS LABELED PER INDUSTRY STANDARD TERMINOLOGY. ACTUAL LUMBER SIZING IS EXPECTED TO VARY PER VENDOR.

NON-BEARING WALLS TO BE BUILT WITH 1" GAP BETWEEN TOP PLATE AND FLOOR JOISTS TO PREVENT HEAVING.

SMOKE AND CARBON MONOXIDE DETECTORS SHOWN ON PLANS ARE TO BE CONSIDERED RECOMMENDATIONS ONLY. FINAL PLACEMENT IS TO BE DETERMINED BY MUNICIPAL REQUIREMENTS.

WINDOW SIZES ARE WRITTEN IN FEET AND INCHES PER INDUSTRY STANDARDS. EX: 3050 SH = 3'-0" X 5'-0" SINGLE HUNG, 3066 FIX = 3'-0" X 6'-6" FIXED.

CPG DBA



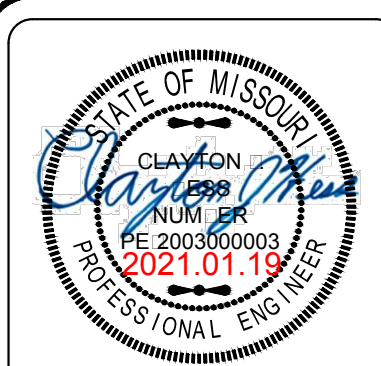
120 SE 30TH ST.
LEE'S SUMMIT, MO 64082
816-246-6700

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PRESTON RIDGE IV
FARMHOUSE
RESERVE AT STONEY CREEK #76
1410 SW GEORGETOWN DR
LEE'S SUMMIT, MO

PROFESSIONAL SEAL:



APEX ENGINEERS, INC.
1625 LOCUST ST
KANSAS CITY, MO 64108
816.421.3222

STRUCTURAL DESIGN REVIEW
KANSAS ENGINEERING LICENSE: 188
MISSOURI ENGINEERING LICENSE: 2003004673

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A3

BASEMENT FINISH 865 SQ FT FOUNDATION PLAN 1

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