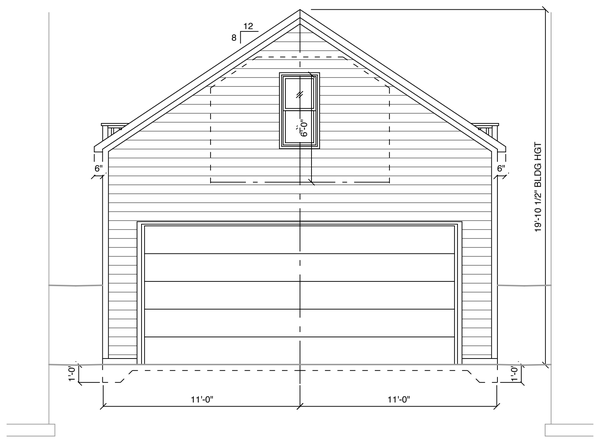


1 A1 FRONT EXTERIOR ELEVATION

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

Table 321.25–G
BRACING METHODS[a,c,f]

Material	Minimum Brace Material Thickness or Size	Maximum Nominal Wall Height[b]	Minimum Sheathed Wall Panel Width or Brace Angle	Connection Criteria	
				Minimum Fasteners	Maximum Spacing
Intermittent Bracing Methods					
LIB[e] Let-in bracing	1x4 wood brace (or approved metal brace installed per manufacturer instructions)	10'	45° angle and maximum 16" o.c. stud spacing[h]	2–8d common nails or 3–8d box nails (2 3/8" long x 0.113" diameter)	Per stud and top and bottom plates[d]
DWB Diagonal wood boards	½" (1" nominal) for maximum 24" o.c. stud spacing	10'	48"	2–8d box nails (2 3/8" long x 0.113" diameter) or 2–1 3/4" long 16-gauge staples	Per stud and top and bottom plates[d]
WSP Wood structural panel	3/8" for maximum 16"o.c. stud spacing; 7/16" for maximum 24" o.c. stud spacing	10'	48"	6d common nail or 8d box nail (2 3/8" long x 0.113" diameter); or 7/16" crown 16-gage staples, 1 1/4" long	6" edges, 12" field (nails) 3" edges, 6" field (staples)
SFB Structural fiber-board sheathing	½" for maximum 16" o.c. stud spacing	10'	48"	1 1/2" long x 0.120" diameter galvanized roofing nails or 1"–crown 16–gage staples, 1 1/4" long	3" edges, 6" field
GB Gypsum board (installed on both sides of wall)	½" for maximum 24" o.c. stud spacing	10'	96"	5d cooler nails, or #6 screws	7" edges, 7" field (including top and bottom plates)
CS–WSP[g] Continuous sheathed WSP	3/8" for maximum 16" o.c. stud spacing; 7/16" for maximum 24" o.c. stud spacing	12'	Continuous Diagonal Bracing Method Refer to Table 321.25–H	Same as WSP	Same as WSP
Continuous sheathed SFB	½" for maximum 16" o.c. stud spacing	12'	Refer to Table 321.25–H	Same as SFB	Same as SFB
Narrow Panel Bracing					
PF Portal frame	7/16"	12'	See Figure 321.25–A	Refer to Figure 321.25–A	Refer to Figure 321.25–A

[a]The allowable table of all exterior walls shall be sheathed with minimum ½–inch gypsum wallboard unless otherwise permitted to be excluded by this subsection. All edges of panel–type wall bracing, except horizontal joints in GB bracing, shall be attached to framing or blocking.

[b]The actual measured wall height shall include stud height and thickness of top and bottom plates. The actual wall height shall be permitted to exceed the listed nominal values by not more than 4½ inches. Tabulated bracing amounts in s. SPS 321.25 (8) (c) are based on a 10–foot nominal wall height for all bracing methods and shall be permitted to be adjusted to other nominal wall heights not exceeding 12 feet in accordance with footnotes to Table 321.25–I or Table 321.25–J.

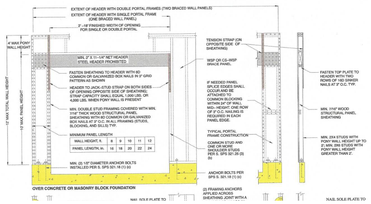
[c]LIB is not permitted for walls supporting a roof and two floors. Two LIB braces installed at a 60° angle from horizontal shall be permitted to be substituted for each 45° angle LIB brace.

[d]Bracing with CS–WSP and CS–SFB shall have sheathing installed on all sheathable surfaces above, below, and between wall openings.

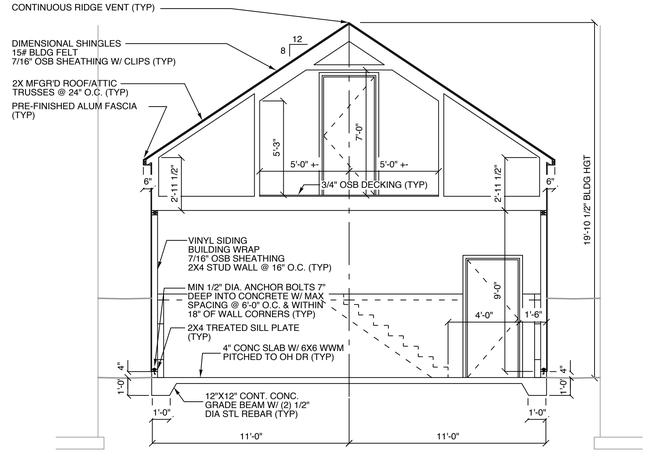
[e]Shall be attached to the top and bottom plates and any intermediate studs, in one continuous length.

[f]Each braced panel may contain no more than one hole, having a maximum dimension of no more than ten percent of the least dimension of the panel, and confined to the middle three–fourths of the panel.

Figure 321.25–A
METHOD PF – PORTAL FRAME BRACE CONSTRUCTION

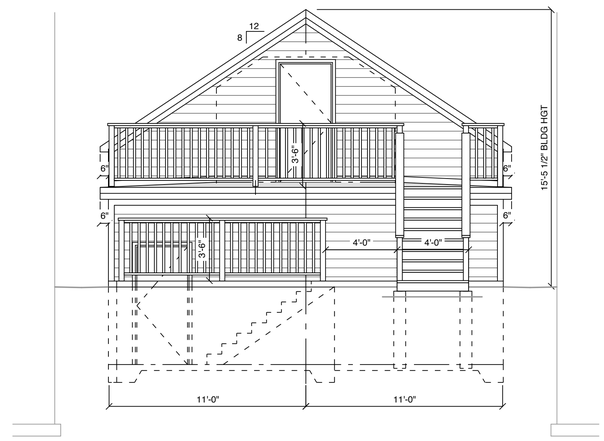


CHOSEN WALL BRACING @ GARAGE DOOR WALLS



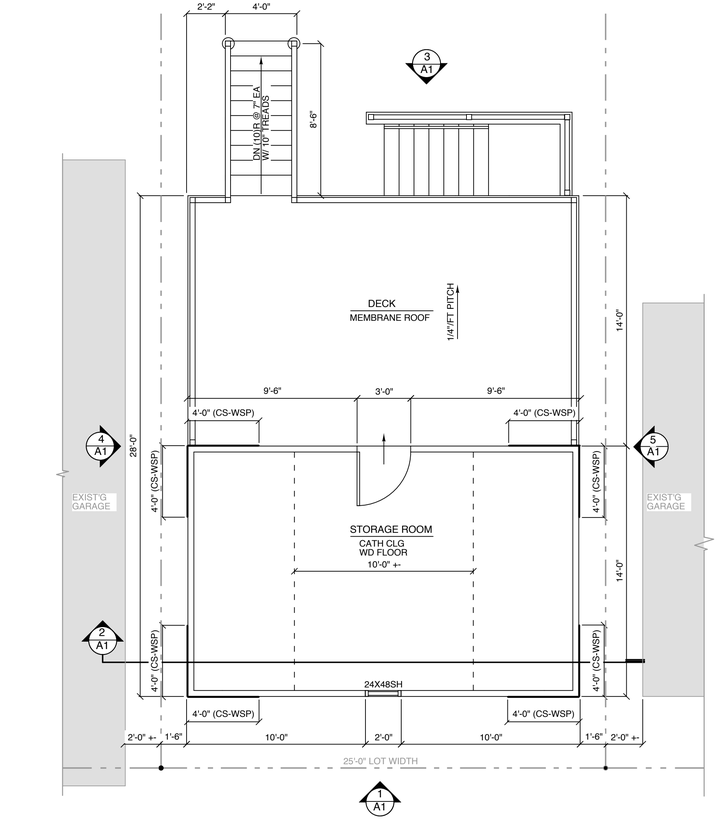
2 A1 TYPICAL WALL SECTION

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



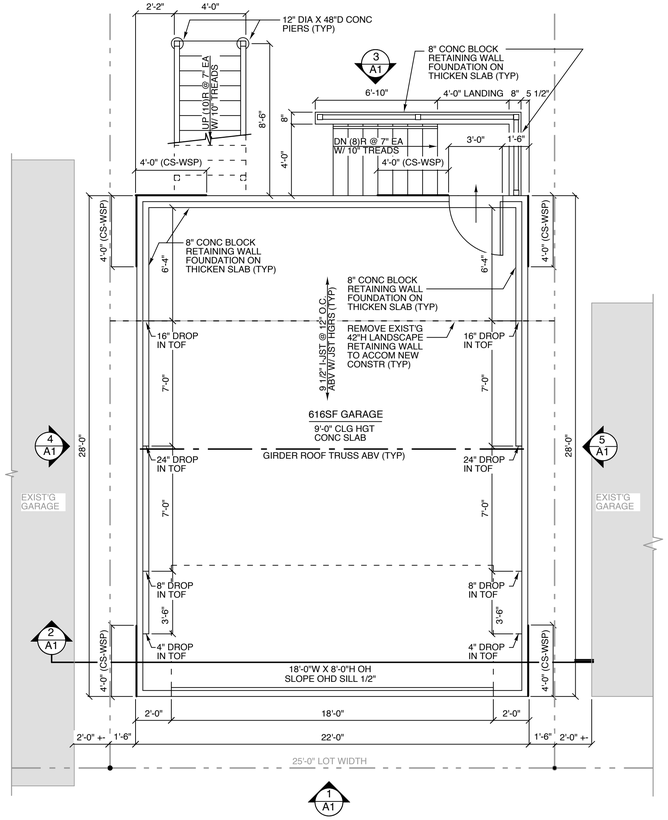
3 A1 REAR EXTERIOR ELEVATION

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



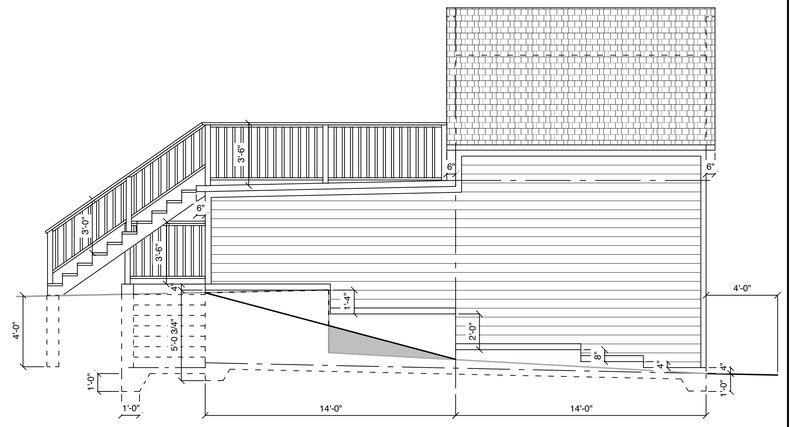
N PROPOSED STORAGE ROOM/ DECK PLAN

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



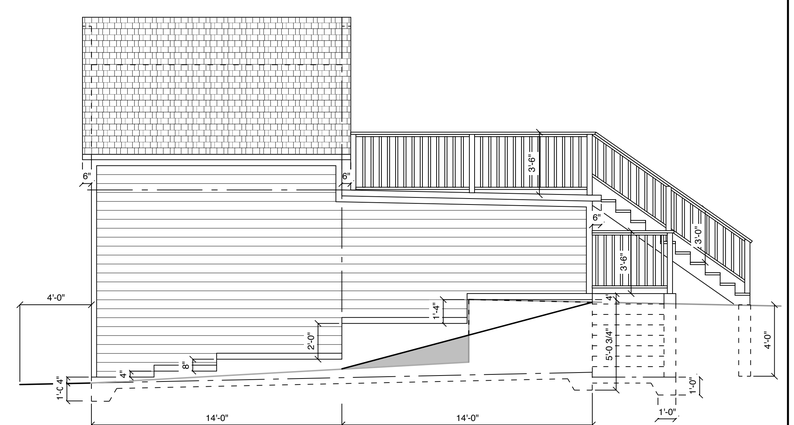
N PROPOSED GARAGE PLAN

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



4 A1 LEFT EXTERIOR ELEVATION

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



5 A1 RIGHT EXTERIOR ELEVATION

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

REVISIONS:
10 SEPTEMBER 2017

AMERICAN GARAGE BUILDERS-SEDITA
NEW CONSTRUCTION
2019 N. PALMER ST.
MILWAUKEE, WI 53212

SHEET TITLE
PROPOSED FLOOR PLAN, BUILDING SECTION & EXTERIOR ELEVATIONS

DRAWN
GE

CHECKED
GE

DATE
30 AUGUST 2017

JOB NO.
2017.11.24

SHEET
A1

OF