



**KEYNOTES:**

REFER TO COLD-FORMED STEEL FRAMING NOTES ON THIS SHEET FOR TRACK SIZE AND CONNECTION, EXTERIOR SHEATHING AND ADDITIONAL TYPICAL COLD-FORMED INFORMATION.

- 1 8" METAL STUDS PER TYPICAL COLD-FORMED NOTES
- 2 8" x 12ga (800S162-43) METAL STUDS @ 12"oc
- 3 8" METAL STUDS PER TYPICAL COLD-FORMED NOTES INSIDE FACE AND 12" x 20ga (1200S162-53) METAL STUDS @ 12"oc OUTSIDE FACE.
- 4 12" METAL STUDS INSIDE AND OUTSIDE FACE @ 12"oc

COLD-FORMED STEEL FRAMING NOTES:  
TYPICAL COLD-FORMED STUD, JOIST AND TRACK SHALL BE PER THE FOLLOWING, UNLESS OTHERWISE NOTED IN SECTIONS:

1. TYPICAL 8" STUDS:  
800S162-43 AT 24" ON CENTER.  
8" STUD WITH 1 1/2" STIFFENED FLANGES  
18 GAUGE (t = 0.0451" OR 43 MILS)
2. TYPICAL 8" TRACK:  
800T150-43 TOP AND BOTTOM OF STUD  
8" TRACK WITH 1 1/2" FLANGES  
18 GAUGE (t = 0.0451" OR 43 MILS)
3. TYPICAL 12" STUDS:  
1200S162-43 AT 24" ON CENTER.  
12" STUD WITH 1 1/2" STIFFENED FLANGES  
18 GAUGE (t = 0.0451" OR 43 MILS)
4. TYPICAL 12" TRACK:  
1200T150-43 TOP AND BOTTOM OF STUD  
12" TRACK WITH 1 1/2" FLANGES  
18 GAUGE (t = 0.0451" OR 43 MILS)
5. TYPICAL 6" JOIST:  
600S162-43 UNPUNCHED SECTION  
6" DEEP UNPUNCHED SECTION  
18 GAUGE (t = 0.0451" OR 43 MILS) WITH  
TRACK OF MATCH GAUGE ON EACH END.
6. TYPICAL CONNECTIONS BETWEEN STUDS AND TRACK WITH (2) ASTM C-1513 CORROSION RESISTANT COATED #10 SELF DRILLING AND TAPPING SCREWS WITH LOW PROFILE (1/4" OR LESS) WITH 1/2" EACH SIDE AND APPLIED TO EACH END, UNLESS NOTED OTHERWISE.
7. CONNECTIONS TO METAL BUILDING NOTED IN SECTION AND SHALL BE APPLIED TYPICAL, UNLESS NOTED OTHERWISE.
8. FOR NON-STRUCTURAL INTERIOR STUD WALLS, CONNECTION TO CONCRETE SHALL BE A SIMPSON STRONG-TIE STRONG BOLT-2, 3/8" DIA. WITH 1 1/2" EMBED @ 32"oc, CENTERED ON STUD TRACK. MINIMUM OF 2 PER RUNNER. RUNNER TRACK THICKNESS SHALL MATCH WALL STUD GAGE.
9. FOR ALL OTHER STUD WALLS, CONNECTION TO CONCRETE SHALL BE A SIMPSON STRONG-TIE TITEN HD (SR-2713) 1/2" DIA. WITH 4" EMBED @ 48"oc, CENTERED ON STUD TRACK. MINIMUM OF 2 PER RUNNER. RUNNER TRACK THICKNESS SHALL MATCH WALL STUD GAGE.
10. ALL STUD CONSTRUCTION SHALL HAVE HORIZONTAL BRIDGINGS AT 48" ON CENTER VERTICALLY. HORIZONTAL SHALL BE CHANNEL WELDED OR MECHANICALLY FASTENED TO WEBS OF PUNCHED STUDS WITH A MINIMUM OF TWO SCREWS INTO EACH FLANGE OF THE CLIP ANGLE FOR FRAMING MEMBER UP TO 6 INCHES DEEP. FOR MEMBERS OVER 6" DEEP AND ALTERNATE FOR 6" DEEP PUNCHED STUDS COMBINATION OF FLAT, TAUT, STEEL SHEET STRAPS OF WIDTH AND THICKNESS MATCHING SOLID TRACK BLOCKING FLANGE AND THICKNESS AT 8 FEET ON CENTER HORIZONTALLY. STRAPS AND TRACK BLOCK TO BE ANCHORED TO EACH STUD WITH (2) SCREWS (1/2" EACH SIDE).
11. EXTERIOR SHEATHING SHALL BE 1/2" EXTERIOR PLYWOOD (APA RATED) SHEATHING (REFER TO ARCH. DIVS. FOR FIRE TREATMENT REQUIREMENTS). ATTACH PLYWOOD TO EACH STUD WITH #10 FLAT HEAD SCREWS @ 6"oc AT PERIMETER OF SHEETS AND @ 12"oc AT SHEET INTERIOR. PROVIDE COLD-FORMED BLOCK AT ALL SHEATHING EDGES.



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PROJECT:  
**NEW O'REILLY AUTO PARTS STORE**  
**SLIDING HILL PLACE**  
**ASHLAND, VA #2 - ASHLAND MAGISTERIAL DISTRICT**  
**WALL FRAMING PLAN**

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