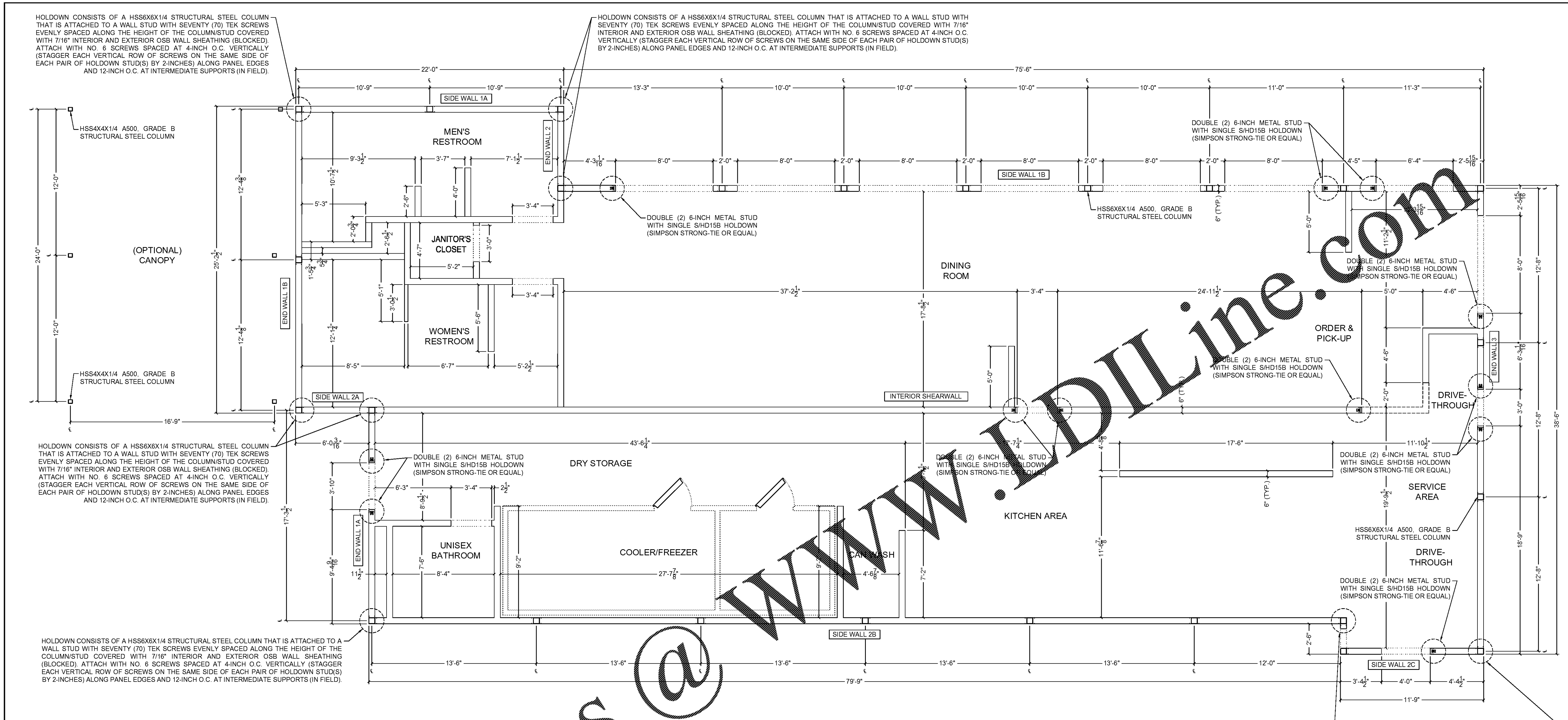


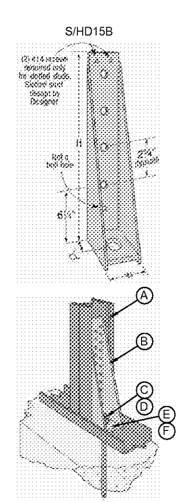
1 WALL FRAMING PLAN
S-6
SCALE: 1/4" = 1'-0"

GENERAL DIMENSIONING NOTES:

1. ALL INTERIOR AND EXTERIOR METAL STUDS ARE 6-INCH 16 GAUGE STRUCTURAL STUDS AT 16" O.C (YIELD STRENGTH = 50 KSI).
2. LATERAL BRIDGING REQUIRED ON EXTERIOR WALLS AT 5'-0" O.C. (MAXIMUM). USE 1-1/2-INCH 18 GAUGE COLD ROLLED CHANNEL THROUGH SLOTS IN STUDS. ATTACH BRIDGING TO METAL STUDS USING 2-INCH X 2-INCH 18 GAUGE CLIP ANGLE(S).
3. HEADERS OVER OPENINGS (INTERIOR NON-LOAD BEARING WALLS) SHALL USE A SINGLE 6-INCH 16 GAUGE METAL TRACK.
4. EXTERIOR CORNERS TO USE FOUR (4) 6-INCH 16 GAUGE STRUCTURAL METAL STUDS.
5. EXTERIOR WALLS, AND INTERIOR SHEAR WALLS, OF BUILDING TO BE COVERED WITH APA RATED 7/16" STRUCTURAL OSB OR PLYWOOD (3-PLY MINIMUM) SHEATHING. FASTEN TO METAL STUDS WITH NO. 8 1-1/2-INCH SELF-TAPPING SCREWS. SEE FASTENING REQUIREMENTS BELOW:

SIDE WALL 1A:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
SIDE WALL 1B:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
SIDE WALL 2A:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
SIDE WALL 2B:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
SIDE WALL 2C:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
END WALL 1A:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS [illegible] O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
END WALL 1B:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS [illegible] O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
END WALL 2:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS 3" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
END WALL 3:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).
INTERIOR SHEARWALL:	7/16" SHEATHING BOTH SIDES (BLOCKED); FASTENERS 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS (IN FIELD).

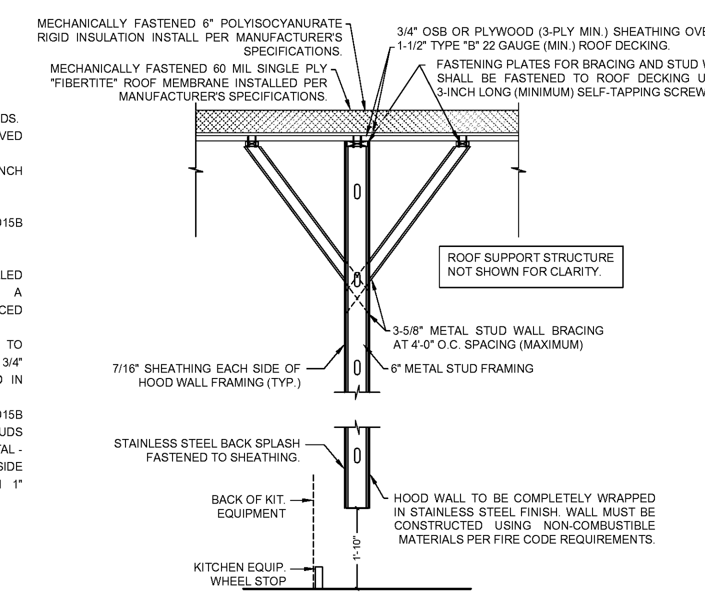
6. FRAMING AND SHEATHING FOR INTERIOR SHEARWALLS SHALL RUN ALL THE WAY TO ROOF DECKING. USE 6-INCH WIDE SLOTS TO ALLOW FOR ROOF JOISTS AT INTERIOR SHEARWALL INTERSECTIONS. FASTEN ROOF DECKING DOWN TO INTERIOR SHEARWALL PER SHEET S-2.
7. ALL BOTTOM AND TOP TRACK SHALL BE 6-INCH 14 GAUGE METAL TRACK.
8. EXTERIOR AND INTERNAL SHEARWALLS BOTTOM TRACK SHALL BE FASTENED TO 2X6 TREATED SILL PLATE USING NO. 8 1-1/2-INCH FASTENERS SPACED AT 6-INCH O.C. IN TWO (2) ROWS.
9. ALL LUMBER THAT CONTACTS CONCRETE, SOIL, AND/OR THE OUTSIDE ELEMENTS SHALL BE TREATED SOUTHERN YELLOW PINE, NUMBER 2 GRADE (OR BETTER).
10. BOTTOM TRACK AND TREATED SILL PLATED TO BE ANCHORED TO "TURN-DOWN" FOOTINGS WITH 1/2" DIAMETER ANCHOR BOLTS SPACED AT 24" O.C. (MAXIMUM).
11. SHEARWALL HOLDOWNS SHALL BE S/HD15B SIMPSON STRONG-TIE HOLDOWNS, OR BETTER. FASTEN SHEATHING TO BOTH SIDES OF EACH OF THE DOUBLED STUDS AT EACH HOLDOWN AND HSS6X6X1/4 STEEL COLUMNS WITH NO. 6 SCREWS SPACED AT 4-INCH O.C. VERTICALLY (STAGGER EACH VERTICAL ROW OF SCREWS ON THE SAME SIDE OF EACH PAIR OF HOLDOWN STUDS BY 2-INCHES). INSTALL HOLDOWNS PER MANUFACTURER RECOMMENDATIONS.
12. FASTEN A STUD TO EACH SIDE OF EACH HSS6X6X1/4 STEEL COLUMNS USING SEVENTY (70) NO. 12 SCREWS IN TWO (2) COLUMNS OF SCREWS SPACED EQUALLY OVER THE ENTIRE LENGTH OF THE STUD AND COLUMN. ALL DIMENSIONS DRAWN TO EXTERIOR OF FRAMING MEMBER, UNLESS OTHERWISE DENOTED.



GENERAL DIMENSIONING NOTES:

A. 6-INCH 16 GAUGE (MINIMUM) BACK-TO-BACK METAL STUDS.
B. SIMPSON STRONG-TIE S/HD15B HOLDOWN OR APPROVED EQUAL.
C. 1-INCH DIAMETER X 12-INCH ANCHOR BOLT WITH 6-INCH HOOK.
D. USE NYLON LOCKING NUT OR THREAD ADHESIVE.
E. 1/2" THICK BASE FOR SIMPSON STRONG-TIE S/HD15B HOLDOWN.
F. 6-INCH 14 GAUGE (MINIMUM) BOTTOM TRACK.
G. USE TWO (2) SOLID 6-INCH 16 GAUGE STUDS INSTALLED BACK-TO-BACK AND FASTENED TOGETHER WITH A MINIMUM OF TWENTY-SIX (26) NO. 12 SCREWS SPACED EQUALLY BETWEEN BOTTOM TRACK AND ROOF DECK.
H. ATTACHED SIMPSON STRONG-TIE S/HD15B HOLDOWN TO DOUBLE 6-INCH 16 GAUGE SOLD STUDS WITH FOUR (4) 3/4" DIAMETER, A307 BOLTS, THOUGH HOLES PROVIDED IN HOLDOWN BRACKET.
I. (OPTIONAL) ATTACH SIMPSON STRONG-TIE S/HD15B HOLDOWN TO DOUBLE 6-INCH 16 GAUGE SOLID STUDS WITH 1" X 1/8" FILLET WELDS - SIXTEEN (16) WELDS TOTAL - EIGHT (8) 1" X 1/8" FILLET WELDS REQUIRED ON EACH SIDE OF EACH HOLDOWN. ALTERNATE 1" WELDS WITH 1" SPACES BETWEEN WELDS TO MINIMIZE DISTORTION.

TYP. SIMPSON STRONG-TIE
2 S/HD15B HOLDOWN
S-6
SCALE: NOT TO SCALE



3 TYP. HOOD WALL SECTION
S-6
SCALE: NOT TO SCALE

WINTERVILLE, NORTH CAROLINA

Summey Engineering Associates, PLLC
Engineering - Land Planning - Consulting
PO Box 968
Asheboro, NC 27204
Phone: 336-328-0902 Fax: 336-328-0922
Email - mack@asheboro.com
NC Professional Engineering Firm License No. P-0336

No.	Date:	Description:	By:

WALL FRAMING PLAN

COOK-OUT RESTAURANTS
4145 S. MEMORIAL DRIVE
PITT COUNTY - WINTERVILLE TOWNSHIP - NORTH CAROLINA

Scale:	AS NOTED
Date:	FEBRUARY 2019
Drawn By:	WBA/PBC
Checked By:	WBA
Job No.:	E-5450

Sheet No.
S-6
6 of 6