

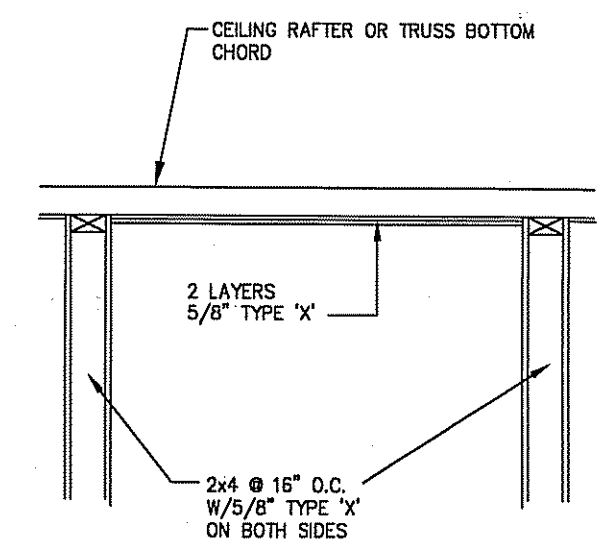
PENETRATION OF FIRE RESISTANT WALLS AND CEILING:

1. COMBUSTIBLE CABLES AND WIRES, COMBUSTIBLE PIPES, TUBES, AND CONDUIT SHALL MEET TESTING REQUIREMENTS OF ASTM E119 AS PART OF THE FIRE RESISTANT ASSEMBLY OR SHALL HAVE THROUGH-PENETRATION FIRESTOP SYSTEMS LISTED AND TESTED AS PER ASTM E814 AND BE TESTED AT A POSITIVE PRESSURE DIFFERENTIAL BETWEEN THE EXPOSED AND UNEXPOSED SURFACES OF NOT LESS THAN .01 INCH OF WATER AND HAVE AN F RATING OF AT LEAST 1 HOUR BUT NOT LESS THAN THE RATING OF THE ASSEMBLY.
2. CABLES AND WIRES WITHOUT COMBUSTIBLE INSULATIONS AND NONCOMBUSTIBLE PIPES, TUBES, AND CONDUITS SHALL BE PROTECTED AS DESCRIBED ABOVE OR SHALL HAVE THE ANNULAR SPACE FILLED WITH A MATERIAL MEETING THE REQUIREMENT OF ASTM E119 TESTED UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF .01 INCH OF WATER FOR A TIME PERIOD EQUIVALENT TO THE RATING OF THE ASSEMBLY.
3. ELECTRICAL BOXES SHALL BE METAL OR LISTED FOR USE IN FIRE RESISTANT ASSEMBLIES AND SHALL NOT EXCEED 16 SQUARE INCHES. BOXES ON OPPOSITE SIDES OF FIRE RESISTANT WALLS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.
4. ALL CEILING FIXTURES SHALL BE SURFACE MOUNTED.
5. DUCTS PENETRATING FIRE RESISTANT CEILINGS SHALL HAVE AN ACCESSIBLE LISTED FIRE DAMPER LOCATED AT THE CEILING LINE.
6. ALL FIRE RATED DOORS SHALL HAVE LISTED DOOR, FRAME, AND HARDWARE NO LESS THAN THE TIME RATING SPECIFIED ON THE FLOOR PLAN. IN ADDITION FIRE RATED DOORS SHALL BE EQUIPPED WITH SELF CLOSERS UNLESS OTHERWISE SPECIFIED.

WOOD STUD WALLS: 1 HOUR PER UL NO. U305 - 1 LAYER 5/8" TYPE 'X' GYPSUM EACH SIDE OF WALL.

FLOOR: 1 HOUR PER GYPSUM ASSOC. FILE NO. FC 5408 WITH CEILING FINISH DELETE OVER UNUSABLE CRAWLSPACE PER SECTION 608.3 OF THE 1991 SBC, SECTION 701.8 OF THE 1994 SBC, AND SECTION 701.8 OF THE 1997 SBC. FLOOR ASSEMBLY IS SUBJECT TO THE APPROVAL OF THE FIRE MARSHALL HAVING JURISDICTION.

CEILING: 1 HOUR PER GYPSUM ASSOC. FILE NO. RC 2801 - 2 LAYERS 5/8" TYPE 'X' GYPSUM BOARD, WITH BUTT JOINTS STAGGERED.



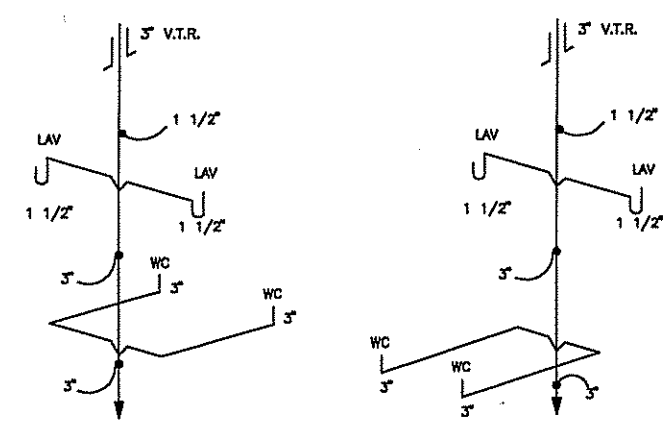
ONE HOUR CEILING

COLUMN STRAPPING SCHEDULE:

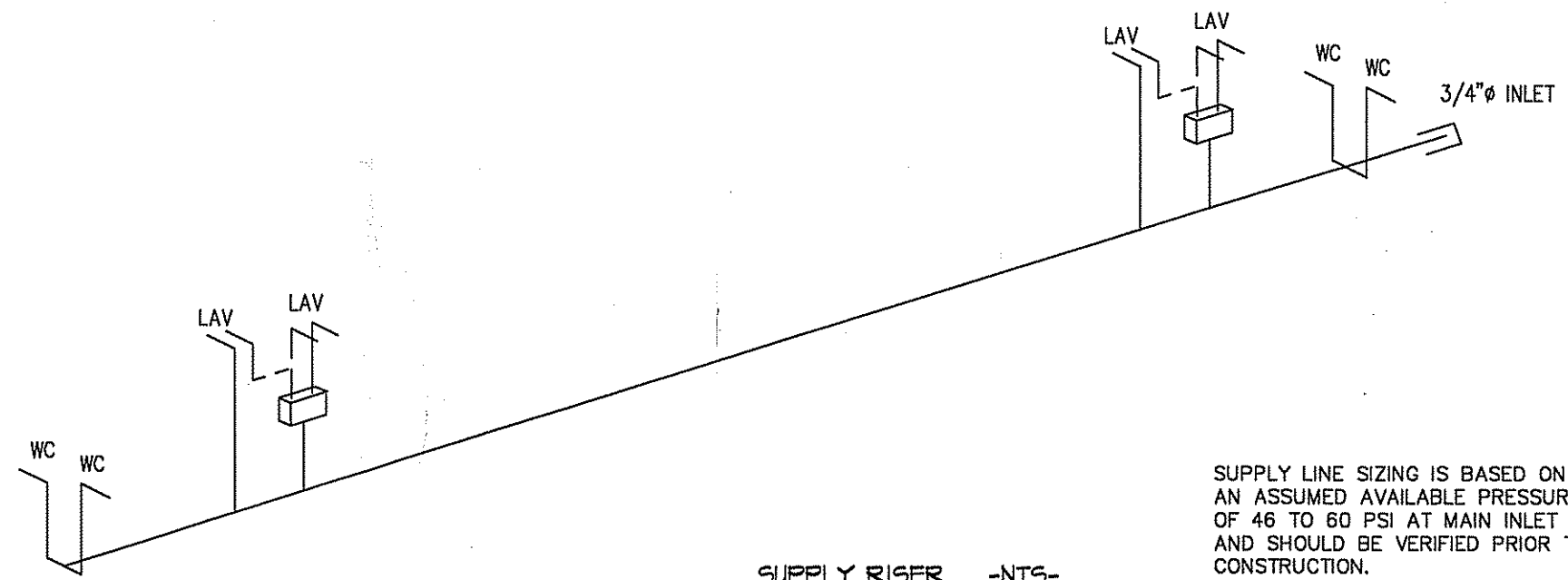
- (A) (2) 2x4 SPF #2 THIS HALF. (B) (2) 2x4 SPF #2 EACH HALF.
 - (C) (3) 2x4 SPF #2 THIS HALF. (D) (3) 2x4 SPF #2 EACH HALF.
 - (E) (4) 2x4 SPF #2 THIS HALF. (F) (4) 2x4 SPF #2 EACH HALF.
 - (G) (5) 2x4 SPF #2 THIS HALF. (H) (5) 2x4 SPF #2 EACH HALF.
- WITH RIDGE BEAM BEARING STIFFENER

- NOTES:**
1. ALL COLUMN STUDS SHALL BE GLUE/NAILED TOGETHER. PVA GLUE WITH 100% COVERAGE SHALL BE USED.
 2. INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.
 3. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.

PLEASE LOCATE:
(13) ▲ PHONE J-BOXES



DWV RISER NTS



SUPPLY RISER -NTS-

SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

— COLD
— HOT

ALL SUPPLY LINES SHALL BE 3/4", ALL STUB-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.

GEORGE E. FINK, P.E.
CONSULTING ENGINEER
ST. PETERSBURG, FL. 33705

SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD ROAD WILLACOOCHEE, GA 31650

DATE: 12-2-03		BY: G.E.F.
SCALE: 3/16"=1'-0"		
CODES: SEE NOTES	REVISIONS:	SHEET 2 OF 3
LABELS: RADCO, FL		
SSI2251 A-D 48 x 76 EDUCATION		JOB NO. -
FLOOR PLAN		