

GENERAL NOTES

- SEAL ALL OPENINGS, GAPS, PENETRATIONS, AND JOINTS IN PARTITION TYPES AS FOLLOWS:
FIRE RATED PARTITIONS. SEAL IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED FOR THROUGH PENETRATION FIRESTOP SYSTEMS AND FIRE RESISTIVE JOINT SYSTEMS.
SMOKE TIGHT PARTITIONS. SEAL COMPLETELY WITH ELASTOMERIC SEALANT FOR THE LOCATION AND EXTENT OF PARTITIONS, DESIGNATED AS "SMOKE TIGHT". REFER TO THE CODE COMPLIANCE DRAWINGS.
OTHER LOCATIONS: SEAL AS INDICATED AND REQUIRED ELSEWHERE BY THE CONTRACT DOCUMENTS.
ABOVE CEILING: ALL JOINT AND FASTENERS NEED TO BE TAPED AND SEALED. FINISH COAT AND PAINT NOT REQUIRED.
- ALL PLUMBING WALLS SHALL HAVE MOISTURE RESISTANT GYPSUM WALL BOARD, REGARDLESS OF WALL PROTECTION.

PARTITION TYPE KEYED NOTES

- METAL STUDS AT 400mm O.C.
 - NOT USED
 - OUTER LAYER ABUSE-RESISTANT GYPSUM WALL BOARD - BOTH SIDES
- 092116 - 16mm TYPE "X" GWB
- FINISHED CEILING (SEE RCP)
- 092116 - 16mm TYPE "X" ABUSE
- THIS DETAIL USES RESISTANT GYPSUM WALL BOARD - PATIENT OCCUPIED SIDE ONLY
- STUDS MUST BE UNINTERRUPTED WITH FULL STRENGTH SPLICES
 - NOT USED
 - USE SOUND INSULATION AS REQUIRED BY STC RATINGS
 - SMOKE TIGHT PARTITION (SEE GENERAL NOTE ABOVE)

DESIGN CRITERIA AND ALLOWABLE ALLOWANCES PER UL

The addition of wood structural panels in fire-rated gypsum board wall assemblies is permitted as described in this section. Wood structural panels that are 4 ft wide, minimum 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural sheathing (plywood) complying with DOC P51 or P52, or APA Standard PDP-108, manufactured with exterior glue, may be applied horizontally or vertically to the framing members. Vertical joints should be centered on studs, and staggered one stud space from the gypsum board joints. The wood structural panels are permitted to be applied either as (1) a base layer (directly to the wall framing and under the gypsum board), (2) in between gypsum board layers, or (3) over the top of the completed gypsum board layers. When wood structural panels are added to wall assemblies that include furring channels, there should be no more than two layers (either gypsum board or wood structural panel or combination thereof) attached to the furring channel. When wood structural panels are added to the wall assembly, the length of the fastener used for the outermost layer (either gypsum board or wood structural panel) should be sized appropriately to accommodate the additional thickness of the wall panel.

PARTITION SHEET KEYED NOTES

- STC IS BASED ON 20 GAUGE (0.033" BASE METAL THICKNESS) MAXIMUM STUDS.
 - STC IS BASED ON CEILING WITH MINIMUM 35 CAC.
 - NON-RATED SOUND PARTITION. USE ACOUSTICAL JOINT SEALANT IN LEU OF FIRE RESISTIVE JOINT SEALANT.
 - PROVIDE ADDITIONAL LAYER OF 5/8" GWB ON LINER SIDE OF SHAFT PARTITION. ADDITIONAL LAYER TO EXTEND MIN 6" ABOVE FINISHED CEILING UNO.
- PARTITION SHEET GENERAL NOTES**
1. NOTE: SEAL ALL OPENINGS, GAPS, PENETRATIONS, AND JOINTS IN PARTITION TYPES AS FOLLOWS:
- A. FIRE-RATED PARTITIONS OR BARRIERS AND SMOKE BARRIERS
- SEAL IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE DIVISION 07 SPECIFICATION SECTIONS FOR PENETRATION FIRESTOP SYSTEMS AND FIRE RESISTIVE JOINT SYSTEMS. REFER TO CODE COMPLIANCE DRAWINGS FOR LOCATIONS OF ALL FIRE- AND SMOKE-RATED PARTITIONS.
- B. REFER TO UL DESIGN NUMBER PROVIDED FOR DETAILED CONSTRUCTION REQUIREMENTS.
- C. SMOKE PARTITIONS (PARTITIONS DESIGNED TO RESIST THE PASSAGE OF SMOKE)
- SEAL COMPLETELY WITH ELASTOMERIC SEALANT FOR THE LOCATION AND EXTENT REFER TO CODE COMPLIANCE DRAWINGS. SMOKE PARTITIONS (PARTITIONS DESIGNED TO RESIST THE PASSAGE OF SMOKE) ARE DESIGNATED WITH LETTER "S" FOLLOWING PARTITION TYPE NUMBER.
- D. OTHER LOCATIONS: SEAL AS INDICATED AND REQUIRED ELSEWHERE BY THE CONTRACT DOCUMENTS.
- E. FOR ALL NON-RATED PARTITIONS, CLOSE THE VOID BETWEEN PARTITION AND UNDERSIDE OF FLOOR OR ROOF DECK WITH MINERAL WOOL (SAFING INSULATION) AND PROVIDE 1/2" DEEP NON-SAG ACOUSTICAL JOINT SEALANT, BEADED.
- F. ALL FIRE AND SMOKE-RATED PARTITIONS
- ACCESSIBLE, CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS, OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS, SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL:
- OF ALL FIRE- AND SMOKE-RATED PARTITIONS.
- A. MARKING FIRE-RESISTANCE-RATED ASSEMBLIES: APPLY HOURLY RATING TEXT IN 4-INCH (101.6 mm) HIGH RED NUMBERS AND BLACK ARIAL FONT LETTERS AT MAXIMUM 16 FEET BETWEEN RATING TEXT APPLICATIONS AS MEASURED FROM BEGINNING OF ONE TEXT APPLICATION TO END OF NEXT TEXT APPLICATION EXTENDING FROM ONE END OF FIRE-RESISTANCE-RATED WALL TO OPPOSITE END OF FIRE-RESISTANCE-RATED WALL, LOCATED 8 INCHES (152.4 mm) ABOVE FINISHED CEILING TO BOTTOM OF TEXT. REFER TO SPECIFICATION SECTION 092900-2.1A.1.
- B. STC-RATED ASSEMBLIES/SOUND RATED PARTITIONS (ALL PARTITIONS INDICATED WITH SOUND ATTENUATION BLANKET)
- A. STC RATINGS ARE BASED ON 20 GAUGE (0.0179" BASE METAL THICKNESS) MAXIMUM STUDS SPACED AT 16 INCHES ON CENTER. THICKER BASE METAL OR CLOSER STUD SPACING WILL REDUCE THE STC RATING.
- B. STAGGER LAYERS OF GYB ON OPPOSITE SIDES OF THE WALL BY AT LEAST 16 INCHES TO OFFSET SEAMS.
- C. STAGGER LAYERS OF GYB ON SAME SIDE OF THE WALL BY AT LEAST FOUR INCHES TO OFFSET SEAMS.
- D. MAINTAIN A 1/4 INCH GAP BETWEEN THE GYB AND THE FLOOR, FILL WITH ACOUSTICAL JOINT SEALANT.
- E. MAINTAIN A 1/4 INCH GAP BETWEEN THE GYB AND THE CEILING, FILL WITH ACOUSTICAL JOINT SEALANT.
- F. FILL ANY GYB SEAM GREATER THAN 1/4 INCH WITH ACOUSTICAL JOINT SEALANT.
- G. FILL EACH INDIVIDUAL LAYER OF GYB GAP WITH ACOUSTICAL JOINT SEALANT BEFORE THE NEXT LAYER OF GYB IS INSTALLED.
- H. WHERE INSULATION BATT THICKNESS IS LESS THAN STUD DEPTH OR ONLY PARTIALLY FILLED IN WALL CAVITIES AND FUR OUTS BATT MUST BE INSTALLED IN A WAY TO AVOID SLUMPING WITHIN THE CAVITY (STRAPPING, ADHESIVES, PINS, ETC AS RECOMMENDED BY BATT MFG).
- I. RECESSED ELECTRICAL AND/OR DATA WALL BOXES ON OPPOSITE SITE OF A WALL SHOULD BE LOCATED A MINIMUM OF ONE STUD CAVITY APART OR BE TREATED WITH A SEALANT PAD - "KINETICS ISOBACKER" OR EQUAL.
- J. FULL HEIGHT PARTITIONS SHALL BE SEALED ON BOTH SIDES ALONG TOP AND BOTTOM WITH NON-HARDENING ACOUSTIC CAULK. PARTITIONS PERPENDICULAR TO STEEL DECK FLUTING PACK FLUTES ABOVE THE HEAD TRACK FULL DEPTH WITH BATT INSULATION OR MINERAL WOOL DECK FLUTES. STUFFED FLUTES TO BE COATED ON BOTH SIDES WITH 1/2" DEEP NON-HARDENING ACOUSTIC SEALANT - OR FIRE RATED CAULK AS REQUIRED.
- K. A 1/2" SPACE IS REQUIRED BETWEEN DUCT/PIPE AND WALLBOARD AT PENETRATIONS WHICH IS TO BE FILLED WITH INSULATION AND SEALED ON BOTH SIDES WITH NON-HARDENING CAULK.

GENERAL NOTES:

- COORDINATE JOINT SIZES WITH STRUCTURAL TO ALLOW FOR SLAB MOVEMENT.
- ALL INTERIOR WALLS AND INSIDE FACES OF EXTERIOR WALLS IN MEDIUM AND HIGH RISK AREAS TO RECEIVE FIRE RETARDANT TREATED PLYWOOD SUBSTRATE UNDERNEATH GYPSUM BOARD. ALL PLYWOOD OFF CUTS AND END CUTS TO BE TREATED WITH FIRE RETARDANT ON SITE.
- PROVIDE CEMENTITIOUS BACKER BOARD INSTEAD OF GYPSUM BOARD AT ALL FULL HEIGHT TILED AREAS. PROVIDE MOISTURE RESISTANT BACKER BOARD INSTEAD OF GYPSUM BOARD AT HALF HEIGHT TILED AREAS. REFER TO FINISH PLANS. WHERE FULL HEIGHT TILE OCCURS AT FIRE RATED WALL, PROVIDE BACKER BOARD OVER GYPSUM BOARD TO MAINTAIN FIRE RATING OF ASSEMBLY.
- FILL CAVITY AT COLUMN ENCLOSURES/FURRING PARTITIONS IN ITS ENTIRETY WITH LOOSE BATT INSULATION AT THE FOLLOWING LOCATIONS:
ADJACENT OR WITHIN EXAM ROOMS, CONSULT ROOMS, PATIENT BEDROOMS.

