9 A702C NTS SECOND FLOOR – UTILITY SHAFT PENETRATION – SMOKE RESISTANT – 9

C-A-J-7051

8 A702C NTS SECOND FLOOR – PENETRATION THRU SMOKE & FIRE BARRIERS – 8

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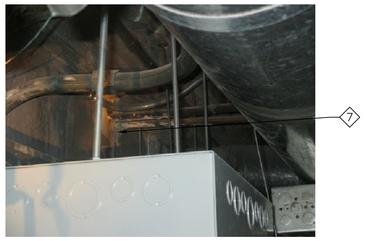

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3 A701B NTS FIRST FLOOR – PENETRATION THRU SMOKE & FIRE BARRIERS – 23

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DEMOLITION PLAN GENERAL NOTES

A. DO NOT PERFORM ANY DEMOLITION WITHOUT FIRST NOTIFYING THE FACILITIES DEPARTMENT.
B. WHEN CUTTING NEW ANNULAR OPENINGS FOR PENETRANTS, DO NOT DAMAGE ANY EXISTING UTILITY SERVICES. IMMEDIATELY NOTIFY THE FACILITIES DEPARTMENT OF ANY DAMAGED UTILITIES RESULTING FROM DEMOLITION.
C. DO NOT ATTEMPT ANY REQUIRED UTILITY SHUT-DOWN WITHOUT NOTIFYING THE FACILITIES DEPARTMENT IN ADVANCE, UNLESS IN THE CASE OF A DAMAGED SERVICE RESULTING FROM DEMOLITION ACTIVITY.
D. IF THE WORK TO BE COMPLETED WILL GENERATE NOISE AND DUST, NOTIFY THE FACILITIES DEPARTMENT TO WORK OUT AN ACTION PLAN THAT WILL HAVE AS LITTLE IMPACT AS POSSIBLE ON PATIENTS AND STAFF. PROVIDE THE REQUIRED DUST CONTROL TO SEPARATE AND PROTECT ADJACENT AREAS.
E. PROTECT ADJACENT AREAS FROM DAMAGE. IF DAMAGE OCCURS, RESTORE THE ADJACENT AREA TO ITS ORIGINAL CONDITION.
F. REMOVE ANY TRASH OR DEBRIS RESULTING FROM DEMOLITION IN PATIENT AREAS IMMEDIATELY OR STORE IT IN APPROPRIATE CONTAINERS.

DEMOLITION KEY NOTES
(ALL NOTES NOT USED ON ALL SHEETS)

1. REMOVE FIRE FOAM FROM AROUND PIPE OPENING. DO NOT DAMAGE ANY UTILITY SERVICES.
2. REMOVE FIRE FOAM FROM AROUND PIPE OPENING. REMOVE-CUT AND DEMOLISH PORTION OF WALL AND PROVIDE AN ANNULAR OPENING AROUND PENETRANTS PER UL SYSTEM.
3. REMOVE-CUT AND DEMO PORTION OF WALL AND PROVIDE AN ANNULAR OPENING PER UL SYSTEM. OPENING CAN EXCEED UL RECOMMENDATIONS.
4. REMOVE JOINT COMPOUND FROM AROUND PENETRANT.
5. REMOVE EXISTING SEALANT AS REQUIRED OR VERIFY IF FIRE RATED PRODUCT HAS BEEN USED. PROVIDE ANNULAR OPENING NOT TO EXCEED THE UL TEST ASSEMBLY.
6. REMOVE APPLIED LAYER OF GYPSUM WALL BOARD AND JOINT COMPOUND.
7. REMOVE WALL JOINT COMPOUND OR MORTAR AND PROVIDE AN ANNULAR OPENING AROUND PENETRANT PER UL SYSTEM. OPENING MAY NOT EXCEED UL RECOMMENDATIONS.
8. PROVIDE ANULAR OPENING AROUND PENETRANT PER UL SYSTEM. OPENING MAY NOT EXCEED UL RECOMMENDATIONS.
9. REMOVE MORTAR AND METAL LATH AT PENETRANT AND PROVIDE AN ANNULAR OPENING AROUND PENETRANT PER UL SYSTEM. OPENING MAY NOT EXCEED UL RECOMMENDATIONS.
10. REMOVE MORTAR AND LATH WALL. TAKE CARE NOT TO DAMAGE ANY EXISTING UTILITIES. SUPPORT CABLES AND CONDUITS AS REQUIRED. REMOVE WALL STARTING FROM ABOVE THE CORRIDOR DOORS TO STRUCTURE ABOVE. ONLY IF REQUIRED FOR NEW WALL WORK SEE NEW WORK NOTE 17.
11. REMOVE CABLES FROM PIPE SLEEVE. PROVIDE NEW ANNULAR OPENING FOR CABLING.
12. REMOVE MORTAR AND JOINT COMPOUND FROM AROUND PENETRANT. IF GWB IS DAMAGED FROM REMOVAL OF COMPOUND, REMOVE LAYER AND APPLY NEW LAYER TO EXISTING STUDS OR SUBSTRATE. IF THERE IS A CLAY TILE WALL BEYOND, MAKE REPAIRS AS REQUIRED WITH FIRE RATED MORTAR. IF OUTER LAYER CONSIST OF METAL LATH AND CEMENTITIOUS COATING, (3/4+" THICK), REPAIR LAYER WITH A FIRE RATED MORTAR PRODUCT. SEAL PENETRANTS AS REQUIRED.
13. REMOVE ABANDONED CABLES.
14. VERIFY RATED WALL CONSTRUCTION. DETERMINE IF THE CHASE WALL BEYOND (CLAY TILE) HAS BEEN BROKEN AND PATCH WITH FIRE RATED MORTAR. REPAIR GYPSUM WALL BOARD WITH AN APPLIED GWB LAYER.
15. REMOVE MORTAR OR JOINT COMPOUND AND LATH BACK TO A POINT OF EXISTING MASONRY MATERIAL.

NEW WORK KEY NOTES
(ALL NOTES NOT USED ON ALL SHEETS)

1. SEALANT MATERIAL UNKNOWN. VERIFY IF SEALANT IS APPROPRIATE FOR RATED PENETRATION. APPLY FIRE RATED SEALANT.
2. APPLY LAYER OF 5/8" GYPSUM WALL BOARD PATCH OVER EXISTING OPENING. SEE 3/A501
3. APPLY ADDITIONAL FIRE RATED SEALANT IN EXISTING PIPE SLEEVES.
4. PACK EMPTY CONDUIT WITH WOOL BATT INSULATION AND SEAL WITH A FIRE RATED SEALANT.
5. NOT USED.
6. ADD FIRE RATED MORTAR TO THE EXISTING ANNULAR OPENING AT PENETRANT. PACK MORTAR TIGHTLY AROUND PENETRANT.
7. RE-APPLY METAL LATH AND COVER WITH 3/4" MIN FIRE RATED MORTAR.
8. PROVIDE ANNULAR OPENING IN BLOCK WALL PER DETAILS 1 & 2/A501.
9. REPAIR WALL WITH FIRE RATED MORTAR AND SEAL AROUND PENETRANTS.
10. APPLY FIRE RATED MORTAR TO PATCH WALL.
11. APPLY FIRE RATED MORTAR AND LATH TO IN-FILL WALL OPENING. SEE DET. 4& 5/A501.
12. EXISTING WALL CONSTRUCTION IS UNCLEAR. VERIFICATION MAY REQUIRE SELECTIVE DEMOLITION TO DETERMINE MATERIAL. APPLY APPROPRIATE UL TEST ASSEMBLY.
13. ADD 5/8" GWB ON 3-5/8" METAL STUDS ONE SIDE ONLY ATOP OF THE EXISTING WALL. SEE DETAIL 8/A501
14. SEAL PENETRANTS IN CHASE WALL WITH A FIRE RATED SEALANT. NO UL TEST REQUIRED FOR SMOKE-RESISTANT WALL CONSTRUCTION.
15. APPLY HEAD OF WALL JOINT MATERIAL.
16. APPLY 5/8" GWB ON 3-5/8" METAL STUDS ONE SIDE ONLY TO THE EXISTING MASONRY WALL OPENING. SEE DETAIL 6/A501
17. VAMC TO VERIFY IF WALL CONSTRUCTION IS PERMISSIBLE TO MEET THE REQUIREMENTS OF A 30 MINUTE SMOKE/FIRE WALL. IF NOT, PROVIDE A WALL WITH 3 5/8" METAL STUDS AND 5/8" GWB EACH SIDE TO DECK. PROVIDE UL PENETRATION ASSEMBLIES AS NOTED IN PHOTOGRAPHS. SEE DETAIL 13/A501
18. ADD A ONE HOUR SHAFT WALL SYSTEM TO CHASE WALL OPENING. SEE DETAIL 12/A501.
19. ADD A ONE HOUR SHAFT WALL SYSTEM TO EXISTING OPENING. SEE DETAIL 7/A501.
20. REMOVE WINDOW AND IN-FILL OPENING WITH SHAFT WALL ASSEMBLY. SEE DETAILS 10&11/A501.

UL TEST ASSEMBLIES SHOWN IN THESE DOCUMENTS CAN BE FOUND IN SPECIFICATION SECTION 07 84 00 "FIRESTOPPING."

Revisions	Date

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STATE OF WEST VIRGINIA
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Project Title: CORRECT LIFE SAFETY DEFICIENCIES BECKLEY VAMC

FINAL SUBMITTAL

Approved Project Engineer

Building Number: -
Checked: DM
Drawn: CC
Location: ----

Date: 09-5-2014
Project No. 517-14-106
DRAWING NO. A701B
Dwg. XX Of XX

Veterans Administration

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