

STATEMENT OF WORK

REPAIR SMOKE BARRIER LOCATIONS @ JC Building 01
DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER-JC DIVISION
ST LOUIS, MO 63106
PROJECT 657-17-107JC

Project Scope Description

The following is included in the Statement of Work (SOW) for the Saint Louis VA Medical Center

1. Replace fire / smoke barrier locations at the Saint Louis VA Medical Centers John Cochran Division. See this SOW, drawings, specifications and photos for additional information.

Contractor's Scope of work

1. Construction materials and installation methods shall be in compliance with VAMC Facility Operations, NFPA, Underwriter Laboratories, OSHA, HIPPA, Infection Prevention, Life Safety, Security Services, VA Specifications, and as further described in this scope.
2. Project Schedule is 150 calendar days from contractors Notice-To-Proceed (N.T.P.) to final acceptance for base bid. Project schedule is 120 calendar days from contractors Notice-To-Proceed (N.T.P.) to final acceptance for Bid Alternate.
3. Contractor shall limit facility disturbances to the fullest extent possible. This includes but is not limited to loud demolition work, utility shutdowns, infection prevention and interim life safety procedures and any practice that violates patient and staff privacy and security. Refer to Item 4 for hours of operation should disturbances occur.
 - a. Demolition is considered loud when noise levels exceed 90 decibels inside the patient and/or clinical staff occupied areas.
 - b. The contractor is to perform work where running utility systems are to remain undisrupted. Provide protection to all utilities upon commencement of work. Coordinate with Project engineer if specific circumstances require shutdown of utilities at which the contractor shall provide a 21 calendar day shutdown notification. Utility shut downs will be coordinated by the 'Integrated Project Team' including but not limited to: Project Engineer, VA Facility Operations, Clinical Staff & General Contractor prior to the commencement of work. Refer to general requirements specification for additional information.
 - c. Refer to the attached Infection Prevention and Interim Life Safety pre-construction risk assessment for additional required information.
4. Work to be performed during other than normal working hours...(5pm to 5am)...specifically for when work requires interruptions including conflicts to clinical care, utility shutdowns, interim life safety measures and loud work that exceeds 90db's. Coordinate with project engineer.
5. Contractor is responsible for any damages made to existing landscaping, signage, utilities, finishes, equipment, and furnishings during construction. Protect exiting conditions at all costs.
6. The following information below itemizes a series of locations where several fire/smoke barriers are non-compliant. Contractor shall field verify and only seal the penetrations illustrated below. Each penetration shall be sealed in accordance with current life safety code 8.3.2.3 (ANSI/UL 263). Included in this SOW is

for the contractor to certify each penetration is sealed and meets the required rating (See Below). Refer to this SOW, specifications, and photos for additional information.

VA Medical Center – John Cochran Division – Building 01

Plan Number	Location	Required Rating	Description of Work	ICRA Class
43	Basement Exit, Stair #6	2 hour fire	Stair #6 at H020 has holes in fire barrier. Repair damaged barrier to maintain 2 hour fire barrier. The contractor shall remove and replace approximately 60 SF of this wall to restore the entire wall to a 2 hour fire rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a 2 hour rated wall. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class II Modified
44	Basement Exit, Room H011	2 hour fire	Openings above ceiling at South Wall of Stair #6. Repair damaged barrier to maintain 2 hour fire barrier. The contractor shall remove and replace approximately 30 SF of this wall to restore the entire wall to a 2 hour fire rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a 2 hour rated wall. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class II Modified
45.A	Basement Corridor H024	2 hour fire	Opening above ceiling at West Wall of Stair #10. Repair damaged barrier to maintain 2 hour fire barrier. The contractor shall patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
45.B	Basement Corridors H024, H033, & H034. Rooms DB32 & DB28	Smoke	Openings above ceiling on smoke wall at all locations listed. Repair damaged smoke barrier. The contractor shall remove and replace approximately 50 SF of this masonry wall to restore the entire wall to a smoke barrier rating. Patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
46	Basement Corridor H021	Smoke	Smoke barrier wall above ceiling needs to have the joints fire caulked. The contractor shall fire caulk approximately 30 LF of drywall joints to restore the entire wall to a	Class II Modified

			smoke barrier rating.	
47	Basement Corridor H016 & H011	Smoke	Smoke barrier wall above ceiling needs to have the joints fire caulked. The contractor shall fire caulk approximately 30 LF of drywall joints to restore the entire wall to a smoke barrier rating.	Class II Modified
48	Basement Mech. Space A002D	Smoke	Smoke barrier wall between concrete wall and I-Beam is breaching. The contractor shall provide a mineral wool to fill the void and cover mineral wool with a UL fire rated spray to restore the entire wall to a smoke barrier rating. The gap is approximately 50 LF long.	Class II Modified
3.A	1 st Floor – Fire Command Room A193 East Wall	2 hour fire	East Wall of Room A193 has spray foam located above the ceiling. Contractor will need to remove the existing spray foam and replace with UL fire rated caulk to restore the entire wall to a 2 hour fire rated barrier.	Class III Modified
3.B	1 st Floor – Fire Command Room A193 West Wall	Smoke	West Wall of Room A193 has spray foam located above the ceiling. Contractor will need to remove the existing spray foam and replace with UL fire rated caulk to restore the entire wall to a 2 hour fire rated barrier.	Class III Modified
4	1 st Floor – B102D Alcove	2 hour fire	Openings above ceiling at West Wall of old shaft. Repair damaged barrier to maintain 2 hour fire barrier. The contractor shall remove and replace approximately 30 SF of this wall to restore the entire wall to a 2 hour fire rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a 2 hour rated wall. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class III Modified
6	1 st Floor – B119	2 hour fire	Openings above ceiling at East Wall in Room. Repair damaged barrier to maintain 2 hour fire barrier. The contractor shall remove and replace approximately 60 SF of this wall to restore the entire wall to a 2 hour fire rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a 2 hour rated wall. Attaching drywall over the existing holes will not be allowed. Patching the wall	Class III Modified

			smooth is required.	
7	1 st Floor – C180	Smoke	Openings above ceiling on smoke wall at location shown. Smoke barrier wall is missing drywall section at top. The contractor shall install approximately 75 SF of drywall to restore the entire wall to a smoke barrier rating. Seal all penetrations with fire rated caulking.	Class III Modified
9	1 st Floor – H113 Main Hall Door & Wall	Smoke	Openings above ceiling in H113. The door and wall have red tile damage above the ceiling. The contractor shall remove and replace approximately 50 SF of this masonry wall to restore the entire wall to a smoke barrier rating. The contractor shall patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class III Modified
10	1 st Floor – H128 Main Door	Smoke	Openings above ceiling on smoke wall at location shown. Smoke barrier wall is missing drywall section at top. The contractor shall remove and replace approximately 30 SF of this wall to restore the entire wall above door to a smoke barrier rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a smoke barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class III Modified
12	1 st Floor – Stair #6	2 hour fire	Stair #6 decking has insulation fill non-rated. Contractor needs to remove non-rated insulation and replace with fire rated material to maintain the 2 hour fire barrier.	Class II Modified
14	2 nd Floor – Stair #2	2 Hour fire	Opening above ceiling in plaster wall at location shown. The contractor shall remove and replace approximately 5 SF of this plaster wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry and plaster of similar thickness. Seal all penetrations with fire rated caulking.	Class III Modified
15	2 nd Floor – A226	Smoke	Openings above ceiling on smoke wall at location shown. The contractor shall remove and replace approximately 30 SF of this wall to restore the entire wall above door to a smoke barrier rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a smoke	Class II Modified

			barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	
17	3 rd Floor – Kitchen B320	2 hour fire	Openings above ceiling on fire barrier wall at location shown. The contractor shall remove and replace approximately 30 SF of this wall to restore the entire wall above door to a 2 hour fire barrier rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a 2 hour fire barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class II Modified
19	4 th Floor – Stair #2	2 hour fire	Openings above hard ceiling on 2 hour fire barrier wall at location shown. Contractor will need to demolish 20 SF of drywall to access the fire barrier wall. Contractor shall install new drywall once installation of masonry on fire barrier wall is complete. Paint and patch new drywall to match existing. The contractor shall remove and replace approximately 20 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
56	4 th Floor – Corridor H409	Smoke	Fill in large hole above duct with drywall at location shown. Fire seal around patch and around duct on top, sides, and bottom. Contractor shall install 30 SF of drywall to restore the entire wall to a smoke barrier wall. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class II Modified
57	4 th Floor – Corridor H409	Smoke	Fire seal around drywall seams on metal studs on corridor wall above acoustical ceiling. The contractor shall cover drywall seams with a UL fire rated spray to restore the entire wall to a smoke barrier rating. The gap is approximately 75 LF long.	Class II Modified
20	4 th Floor – A428/Stair #2	2 hour fire	Opening above ceiling in Room A428 near Stair #2 fire barrier wall. The contractor shall remove and replace approximately 30 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry of similar thickness.	Class II Modified

			Seal all penetrations with fire rated caulking.	
21	4 th Floor – Stair #5 H405	2 hour fire	Opening above ceiling in corridor H405 near Stair #5 fire barrier wall. The contractor shall remove and replace approximately 30 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
22	4 th Floor – Stair #5 A450	2 hour fire	Opening above ceiling in Room A450 near Stair #5 fire barrier wall. The contractor shall remove and replace approximately 30 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
23	5 th Floor – D505 Mechanical Room	Expansion Joint	Install new Expansion joint at location shown. Expansion Joint shall be 2 hour fire rated. Length of expansion joint is approximately 25 LF.	Class II Modified
24	5 th Floor – Stair #2/A529	2 hour fire	Opening above ceiling in Room A529 near Stair #2 fire barrier wall. The contractor shall remove and replace approximately 30 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
25	5 th Floor – Stair #3	2 hour fire	Opening above ceiling in corridor H508 near Stair #3 South fire barrier wall. The contractor shall remove and replace approximately 30 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
26	5 th Floor – C521 Electrical Closet	Smoke	Area outlined in RED on smoke wall at locations shown. The contractor shall remove and replace approximately 50 SF of this wall to restore the entire wall above door to a smoke barrier rating. This square footage includes affected areas on both sides. Drywall and possible studs will need	Class II Modified

			to be replaced in order to provide a smoke barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	
29	5 th Floor – H513A	Smoke	Area outlined in RED on smoke wall at locations shown. The contractor shall remove and replace approximately 50 SF of this wall to restore the entire wall above door to a smoke barrier rating. This square footage includes affected areas on both sides. Remove existing spray foam from walls. Drywall and possible studs will need to be replaced in order to provide a smoke barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required. Paint new drywall to match existing.	Class II Modified
30	6 th Floor – A666 Med. Area North Wall	Smoke	Openings above ceiling on smoke wall at location shown. The contractor shall remove and replace approximately 30 SF of this wall to restore the entire wall above door to a smoke barrier rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a smoke barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class III Modified
32	7 th Floor – Stair #5	2 hour fire	Openings above hard ceiling on 2 hour fire barrier wall at location shown. Contractor will need to demolish 20 SF of drywall to access the fire barrier wall. Contractor shall install new drywall once installation of masonry on fire barrier wall is complete. Paint and patch new drywall to match existing. The contractor shall remove and replace approximately 20 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class III Modified
33	7 th Floor – Stair #1/A732	2 hour fire	Openings above ceiling on fire barrier wall at location shown. The contractor shall remove and replace approximately 30 SF of this wall to restore the entire wall above ceiling to a 2 hour fire barrier rating. This square footage includes affected areas on both sides. Drywall and possible studs will	Class II Modified

			need to be replaced in order to provide a 2 hour fire barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	
34	7 th Floor – Stair #2	2 hour fire	Openings above hard ceiling on 2 hour fire barrier wall at location shown. Contractor will need to demolish 20 SF of drywall to access the fire barrier wall. Contractor shall install new drywall once installation of masonry on fire barrier wall is complete. Paint and patch new drywall to match existing. The contractor shall remove and replace approximately 20 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
35	7 th Floor – A744A	Smoke	Openings above ceiling on smoke wall at location shown. The contractor shall remove and replace approximately 30 SF of this masonry wall to restore the entire wall to a smoke barrier rating. Patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class III Modified
36	7 th Floor – A738	Smoke	Openings above ceiling on smoke wall at location shown. The contractor shall remove and replace approximately 20 SF of this wall to restore the entire wall above door to a smoke barrier rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a smoke barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class II Modified
37	8 th Floor – Stair #3	2 hour fire	Openings above hard ceiling on 2 hour fire barrier wall at location shown. Contractor will need to demolish 20 SF of drywall to access the fire barrier wall. Contractor shall install new drywall once installation of masonry on fire barrier wall is complete. Paint and patch new drywall to match existing. The contractor shall remove and replace approximately 20 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry block of similar thickness.	Class II Modified

			Seal all penetrations with fire rated caulking.	
38	8 th Floor – Stair #5	2 hour fire	Openings above hard ceiling on 2 hour fire barrier wall at location shown. Contractor will need to demolish 20 SF of drywall to access the fire barrier wall. Contractor shall install new drywall once installation of masonry on fire barrier wall is complete. Paint and patch new drywall to match existing. The contractor shall remove and replace approximately 20 SF of this masonry wall to restore the entire wall to a 2 hour fire barrier rating. Patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
INCLUDE PLAN NUMBERS 39, 40, & 41 IN BASE BID. ALSO PROVIDE PROPOSAL FOR BID ALTERNATE WITH PLAN NUMBERS 39, 40, & 41 REMOVED.				
39	8 th Floor – Utility Shaft A838B	2 hour fire	Openings above ceiling at South Wall of old shaft. Repair damaged barrier to maintain 2 hour fire barrier. The contractor shall remove and replace approximately 30 SF of this wall to restore the entire wall to a 2 hour fire rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a 2 hour rated wall. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is required.	Class II Modified
40	9 th Floor – A915 Electrical Closet	Smoke	Openings in hard concrete ceiling on smoke barrier wall at location shown. The contractor shall remove and replace approximately 20 SF of this masonry ceiling wall to restore the entire wall to a smoke barrier rating. Patch and infill with masonry block of similar thickness. Seal all penetrations with fire rated caulking.	Class II Modified
41	9 th Floor – Dental Hallway	Smoke	Openings above ceiling on smoke wall at location shown. Penetration is a cable tray. The contractor shall remove and replace approximately 20 SF of this wall to restore the entire wall above door to a smoke barrier rating. This square footage includes affected areas on both sides. Drywall and possible studs will need to be replaced in order to provide a smoke barrier. Attaching drywall over the existing holes will not be allowed. Patching the wall smooth is	Class II Modified

			required.	
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7. **For Infection Prevention, Class II Modified refers to all requirements in part of Class II (See Infection Prevention Risk Assessment) including HEPA filtered negative pressure / Soft Poly Barriers to seal from non-work areas / Wet Mat, Dry Mat, Tacky Mat / Contain construction waste before transport / Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. Revised Infection prevention permit to be sent prior NTP.**
8. Openings are considered any penetrations not sealed and violate integrity of a rated assembly. Contractor shall only seal the penetrations illustrated above.
9. Provide and install certifiable U.L. Rated Signage / Labeling along rated assembly. Install at approximately 12" above finished ceiling and run every 15' o.c. within project limits.
10. Prior to the commencement of work, the contractor shall field verify each of the above project boundaries and perform services to comply with both infection prevention and life safety measures.
11. Upon completion of work, clean-up site and remove all trash and debris generated by this work.

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