

Value Engineering Comment Log				Project:	Edison, NJ- Homewood Suites
				Prepared By:	NYE
				Date:	07-08-2019
				Drawing Set:	Issued For Permit
Drawing Review Comments					
Comment#	Drawing Set	Drawing/Spec #	Comment/Recommendation	Status	Responses/Remarks
HVAC					
1	2018.10.12 - 0	M-001	Do not use polyvinyl chloride (PVC) piping systems as per Homewood Suites Brand Standards Section 2514.06.B.9.d	OPEN	
2	2018.10.12 - 0	M-101	Ensure condensate drain pans are insulated, stainless steel and corrosion-resistant construction as per Homewood Suites Brand Standards Section 2514.06.F.4	OPEN	
3	2018.10.12 - 0	M-201.A	Maintain 6ft clearance for CU-6 from adjacent condensers as per manufacturers recommendation. Ensure 4ft clearance for service from screening as per manufacturers recommendation	OPEN	
4	2018.10.12 - 0	M-201.A, M-201.B, M-202.A, M-301	Provide non-adjustable temperature sensor for AHU-2, AHU-4, AHU-6 and AHU-7 as per Homewood Suites Brand Standards Section 2514.06.B.4	OPEN	
5	2018.10.12 - 0	M-201.A, M-201.B, M-202.A, M-202.B, M-203.A, M-203.B, M-204.A, M-204.B	Ensure exhaust outlets to be 3ft from operable openings as per New Jersey Mechanical Code Section 501.3.1-3 (Typical)	OPEN	
6	2018.10.12 - 0	M-201.A	Co-ordinate heating requirements for electrical room with sprinkler drawings. Provide cabinet unit heater likewise	OPEN	
7	2018.10.12 - 0	M-201.A, M-201.B, M-202.A, M-202.B, M-203.A, M-203.B, M-204.A, M-204.B	Show one main duct with branch take-offs to avoid multiple duct crossings. FSD can be eliminated	OPEN	
8	2018.10.12 - 0	M-201.A	Air conditioning / cooling system must be installed to service the computer room as per Homewood Suites Brand Standards Section 2513.08.N	OPEN	
9	2018.10.12 - 0	M-201.A, M-201.B	Orient all condensing units to satisfy placement and fan direction considerations as per installation manual	OPEN	
10	2018.10.12 - 0	M-201.A, M-201.B, M-202.A, M-202.B, M-203.A, M-203.B, M-204.A, M-204.B, M-205.A, M-205.B	General Note: Provide Fire Dampers in accordance to New Jersey Mechanical Code 2015 Section 607.5 (Typical)	OPEN	
11	2018.10.12 - 0	M-201.A, M-201.B, M-202.A, M-202.B, M-203.A, M-203.B, M-204.A, M-204.B, M-205.A, M-205.B	General Notes: Fabricate cooling coil condensate drain pans from non-corrosive materials as per Homewood Suites Brand Standards Section 2514.06.B.1.d	OPEN	
12	2018.10.12 - 0	M-201.A, M-201.B, M-202.A, M-202.B, M-203.A, M-203.B, M-204.A, M-204.B	General Notes: Avoid unnecessary bends in MAU ductwork to reduce static requirements for MAU-1 and MAU-2 (Typical)	OPEN	
13	2018.10.12 - 0	M-201.A, M-201.B, M-202.A, M-202.B, M-203.A, M-203.B, M-204.A, M-204.B	Provide FD for exterior wall penetration (Typical)	OPEN	
14	2018.10.12 - 0	M-201.B, M-202.A	Co-ordinate heating requirements for linen storage and guest laundry with sprinkler drawings (Typical). Provide cabinet unit heater likewise	OPEN	
15	2018.10.12 - 0	M-201.B	Relocate pool equipment room as per Homewood Suites Brand Standards Section 2508.03.Q.9	OPEN	
16	2018.10.12 - 0	M-201.B	Vent terminations to be more than 3 ft away from interior corner according to New Jersey Mechanical Code 804.3.4-4 (Typical)	OPEN	
17	2018.10.12 - 0	M-201.B	Maintain 6ft clearance for CU-5 from adjacent condensers as per manufacturers recommendation. Ensure 4ft clearance for service as per manufacturers recommendation	OPEN	
18	2018.10.12 - 0	M-201.B	Co-ordinate heating requirements for mechanical room with sprinkler drawings. Provide cabinet unit heater likewise	OPEN	
19	2018.10.12 - 0	M-201.B	Co-ordinate venting requirements with Fire Protection for fire pump room	OPEN	
20	2018.10.12 - 0	M-201.B	Provide explosion proof unit heater in mechanical room. Co-ordinate heating requirements with Fire Protection drawings	OPEN	
21	2018.10.12 - 0	M-201.B	Provide MODs with interlocking arrangement for supply and exhaust ducts for water heaters	OPEN	
22	2018.10.12 - 0	M-201.B	Avoid duct transitions for clothes dryer exhaust. Provide clean out opening for elbow	OPEN	
23	2018.10.12 - 0	M-201.B	Horizontal vent terminations to be 4ft away from door for water heaters according to New Jersey Mechanical Code 2015 Section 804.3.4-3	OPEN	
24	2018.10.12 - 0	M-201.A, M-201.B, M-202.A, M-202.B, M-203.A, M-203.B, M-204.A, M-204.B	General Note: Provide Electrical Supply for all Motorized Dampers (MOD). Co-ordinate with electrical drawings (Typical)	OPEN	
25	2018.10.12 - 0	M-202.A	Provide interlocking for MOD of relief duct with MOD (missing) of outside air intake duct for AHU-6	OPEN	

26	2018.10.12 - 0	M202.A, M-203.A, M-204.A	Provide an independent central HVAC system for the laundry as per Homewood Suites Brand Standards Section 2513.02.A.13.a	OPEN	
27	2018.10.12 - 0	M-202.B, M-203.B, M-204.B	Provide circular to rectangular transition piece for EF-4 and EF-5 louvers	OPEN	
28	2018.10.12 - 0	M-204.A, M-204.B	Provide Cabinet Unit heater to maintain heat barrier. Co-ordinate requirements with electrical.	OPEN	
29	2018.10.12 - 0	M-205.A	GRH-3 in conflict with walking pads	OPEN	
30	2018.10.12 - 0	M-205.A, M-205.B	Provide Min./Max. Inlet gas pressure of 7" WC/ 14" WC for MAU-1 and MAU-2 as per manufacturer recommendation. Co-ordinate w/ plumbing drawings.	OPEN	
31	2018.10.12 - 0	M-205.A, M-205.B	Provide clearances of 3ft in the front and back of unit; 3ft and 4ft from fan side and supply side respectively from MAU-1 and MAU-2 screening	OPEN	
32	2018.10.12 - 0	M-205.A, M-205.B	Ensure 10 ft clearance from MAU-1 and MAU-2 from GRH units as per New Jersey Mechanical Code 501.3.1-3	OPEN	
33	2018.10.12 - 0	M-205.B	Maintain 3ft clearance for MAU-2 from GRH-2 for make up unit as per manufacturers recommendation	OPEN	
34	2018.10.12 - 0	M-301	Co-ordinate service location with floor plan for EF-2, EF-3 and EF-5		
35	2018.10.12 - 0	M-401	Provide complete airflow matrix for all floors showing supply, return, exhaust and outside air quantities as per M.I. Courtyard Standards Section 15.A.1.C-1	OPEN	
PLUMBING					
1	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001	Plumbing system shall also comply with 2013 ASHRAE 90.1 for energy compliance.	Open	
2	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001	Plumbing system shall also comply with Homewood suites-Brand standards, 02 July 2018.	Open	
3	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001	Emergency shut-off button must be provided with access as per Homewood suites standards Section 2501.03.G.	Open	
4	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001	As per Homewood Suites standards, Section 2514.07.A.4. Insulate all metal cold water and condensate drain piping using closed cell insulation products that comply with ASTM C534 or ASTM C522-03 (2009) e1. Select insulation thickness per the 2013 ASHRAE Handbook of Fundamentals, Chapter 23.	Open	
5	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001	All gate valves, ball valves, butterfly valves, globe valves, and other shutoff valves in water service piping and water distribution piping shall comply with the requirements of NSF 61 as per NSPC 2015, Section 3.4.7.	Open	
6	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-204A & P-401	As per Homewood suites standards Section 2506.02.G, Provide floor drain with chrome plated brass cover. (Typical for all guest laundry at 2nd to 4th floor)	Open	
7	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001 & P-308	Cleanouts shall be provided at the base of stack as per NSPC 2015, Section 5.4.5. And clearances to it shall be maintained as per Section 5.4.11.	Open	
8	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001 & P-102	Where condensate or other drainage from air conditioning discharges to a drainage system, it shall discharge indirectly to a trapped and vented receptor through an air break or air gap as per NSPC 2015, Section 9.1.10.	Open	
9	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202B	Pool drain connection missing. Drain from pool shall discharge indirectly through an air gap to a trapped and vented receptor as per NSPC 2015, Section 9.1.11.	Open	
10	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-103	It is recommended to provide check valve & vacuum breaker at CW & HW supply to laundry box.	Open	
11	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001	Water hammer arrestor shall only be provide for fixtures which includes quick closing valves as per NSPC 2015, Section 10.14.7 & Homewood suites standards Section 2503.00.L.2.	Open	
12	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201	Coordinate & confirm all utilities, as per Homewood suites standards, Section 2501.01.A.	Open	
13	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201	Coordinate and provide underground irrigation system as per Homewood suites standards, Section 2501.02.P. and NSPC 2015, Section G.3.13.	Open	
14	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201A	Gas connection for kitchen shall be provided with a solenoid shut off valve close to the appliance in an accessible location and shall be connected with the hood fire suppression system.	Open	

15	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-001	Water, natural gas, soil, waste, vent & rainwater piping material shall also comply with Homewood suites standards, 02 July 2018, Section- 2514.07.	Open	
16	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201A	At public restrooms, As per Homewood suites standard section 2503.00.L.2, provide shock absorber on all flush valve systems with isolation valve with access for maintenance. Also exposed plumbing system if any, shall be chrome plated as per Homewood suites standard section 2503.00L.3.	Open	
17	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-101 & P-201B	Domestic water heater system shall comply with Homewood suites standard section 2513.07.D.	Open	
18	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201B	Pool heater shall comply with ASHRAE 90.1, Section- 7.4.5.	Open	
19	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201B	Makeup water connection for pool is missing. Provide backflow preventer as per NSPC 2015, Section- 2.30.	Open	
20	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-401	Confirm electric requirement of BP Set & SP-1. Coordinate with electrical.	Open	
21	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202	Water softener shall comply to the NSPC 2015, Section G.3.5.	Open	
22	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	Coordinate with architect, drainage piping must be concealed as per Homewood suites standard section 2501.01.C.	Open	
23	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	Check and confirm with Hilton engineers for the release of overflow drain across the sidewalk and landscape areas adjacent to building, As per Homewood suites standard section 2501.01.D.	Open	
24	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201A	It is recommended to provide cross connection control for water serving dumpster as per NSPC 2015, Section- 10.4.3.	Open	
25	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	Provide drain beneath trash container, as per Homewood suites standards section 2513.09.C.12.	Open	
26	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	At public restrooms, As per Homewood suites standard section 2503.00.L.1, Install chrome plated brass floor drains.	Open	
27	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	At Vending area, Provide drain with chrome plated brass cover. As per Homewood suites standards section 2506.03.G. (TYP.)	Open	
28	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-207B	Gas riser is missing.	Open	
29	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-209A	Coordinate with mechanical drawings and maintain minimum clearance between vent terminals, roof drains and HVAC equipments. Vent terminal location shall be as per NSPC 2015, Section- 12.4.4.	Open	
30	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-209A	Coordinate horizontal running gas pipe with walking pads at roof (typ.)	Open	
31	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	Connections of all above floors PTAC drain riser to storm line at 1st floor and 1st floor PTAC to underground storm line is missing. (TYP. To all PTAC)	Open	
32	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	Provide vent connection for floor drain at dumpster area as per NSPC 2015, Section- 13.3.	Open	
33	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201B	Verify available gas pressure at street from gas service provider to avoid large impact on pipe sizes and requirement of gas booster pump which will have a major cost impact.	Open	
34	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-306	All gas equipments gas pressure requirement need to be verify with the available gas pressure for gas pressure regulator requirements.	Open	

35	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-308	Sud zone sanitary & vent piping shall be as per NSPC 2015, Section- 11.11.	Open	
36	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-101	Back flow preventer installation shall be as per the requirements of Jersey city municipal Authority's Bureau of Water Engineering.	Open	
37	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-208B	Reflect the storm risers location on plan for coordination with other services. (TYP.)	Open	
38	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-303A	As per Homewood suites standards Section 2514.07.B, Provide isolation or stop valve at each plumbing fixture (TYP.)	Open	
39	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-303A	It is recommended to eliminate running separate pipes from CW & HW riser to fixture. Eliminating pipes will be cost effective (TYP.)	Open	
40	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-308	Drain pipe sizes & slope shall be as per NSPC 2015, Section 11.5.	Open	
41	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-303C	Provide individual shutoff valves for each laundry equipment water services as per Homewood suites standards Section 2513.02.A.13.e.5.	Open	
42	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-304A	As per Homewood suites standards Section 2512.04.C, For bathtub, Provide gravity overflow outlet sized for full flow rate (TYP.)	Open	
43	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	Coordinate with architectural drawing for any planter drain provision requirement.	Open	
44	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-306	Provide gas pipe sizing calculation considering actual inlet pressure, maximum developed length & total load of gas equipments. To avoid cost impact due to change gas piping.	Open	
45	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-309	Revise tags for roof drain and overflow drain. (Typical)	Open	
46	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-401	Revise heater capacity to maintain 100% redundancy as per Homewood suites standards Section 2514.07.F.3.	Open	
47	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-201 TO P-208	Coordinate space heating with mechanical at storage, linen storage & guest laundry. Check if heating is required to avoid freezing plumbing system. (TYP. for all floors).	Open	
48	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	AHU-1 Condensate drain connection is missing.	Open	
49	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	AHU-7 Condensate drain connection is missing.	Open	
50	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	AHU-2 Condensate drain connection is missing.	Open	
51	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	AHU-3 Condensate drain connection is missing.	Open	
52	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202A	FCU Condensate drain connection is missing.	Open	
53	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202B	AHU-5 Condensate drain connection is missing.	Open	
54	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-202B	DHU Condensate drain connection is missing.	Open	

55	2018.10.12- ISSUED FOR 90% FRANCHISE REVIEW	P-205A	Coordinate washer/dryer locations with latest architectural plans and plumbing system accordingly. (TYP. For all floors)	Open	
ELECTRICAL & LIGHTING					
1	2018.10.12- ISSUED FOR PERMIT	LT-001	Offices lights shall have occupancy sensor control per marriott standards	Open	
2	2018.10.12- ISSUED FOR PERMIT	LT-001	Confirm Comcheck requirement.	Open	
3	2018.10.12- ISSUED FOR PERMIT	LT-001	For Energy code shall refer to ASHRAE 90.1 2013	Open	
4	2019.05.13- POST DESIGN CLARIFICATION	LT-201A	Storage area shall be controlled with occupancy sensor per marriott standards	Open	
5	2019.05.13- POST DESIGN CLARIFICATION	LT-201A	Offices and Meeting rooms shall be controlled with occupancy control per marriott standards	Open	
6	2019.05.13- POST DESIGN CLARIFICATION	LT-201A	Lobby lights shall be control from time clock per Marriott standards	Open	
7	2019.05.13- POST DESIGN CLARIFICATION	LT-201A	Circuits are missing for elevator lights.	Open	
8	2019.03.28- POST DESIGN CLARIFICATION	LT-201B	Fitness center lights shall have occupancy sensor control per Marriott standards	Open	
9	2019.03.28- POST DESIGN CLARIFICATION	LT-201B	Storage area shall be controlled with occupancy sensor per marriott standards	Open	
10	2018.10.12- ISSUED FOR PERMIT	E-001	Drawing notes shall include NJ Amendmend code reference. And for Energy code shall refer to ASHRAE 90.1 2013	Open	
11	2019.05.13- POST DESIGN CLARIFICATION	E-201A	Instead of fused disconnect switch non fused disconnects can be provided for equipments fed from circuit breaker ins	Open	
12	2019.05.13- CB1	E-201A	Coordinate breaker size of AHU-1. It shall be 45A per mechanical schedule.	Open	
13	2019.05.13- CB1	E-201A, E-205A	Incorrect breaker size provided for AHU-7, AHU-3, CCU-1 & CCU-2, CCU-3, & CCU-4 . Provide 30A/2P per mechanical s	Open	
14	2019.05.13- CB1	E-201A,E-201B	Power connection not provided for Motorized dampers.	Open	
15	2019.05.13- CB1	E-201A,E-201B,E-202A, E-202B,E-203B, E-204B	Power connection not provided for wireless access points	Open	
16	2019.05.13- CB1	E-201B	Coordinate heating requirement for laundry room with Mechanical.	Open	
17	2019.05.13- CB1	E-201B,E-205A	Instead of fused disconnect switch non fused disconnects can be provided for equipments fed from circuit breaker ins	Open	
18	2019.05.13- CB1	E-201B,E-205A	Provide weatherproof disconnect switch for units CU-4, CU-5, ACCU,RS-2, RS-3 & RS-4	Open	
19	2019.05.13- CB1	E-201B, E-203B, E-204B	Power connection is missing for EF-6 in Linen storage(196, 396 & 496) & Coordinate with mechanical for power requi	Open	
20	2019.05.13- CB1	E-202B	Power connection is missing for EF-5 in storage 280 and EF-6 linen storage	Open	
21	2019.03.28- POST DESIGN CLARIFICATION	E-203A, E-204A	Power connection not provided for wireless access points	Open	
22	2019.03.28- POST DESIGN CLARIFICATION	203A,204A	DS-4 is missing in Elec/Tele. Room-374 & DS-5 is missing in Elec/Tele. Room-474	Open	
23	2019.05.13- CB1	E-203B	Power connection is missing for EF-2, EF-4, EF-5. Coordinate with mechanical for power requirements.	Open	
24	2019.05.13- CB1	E-204B	Power connection is missing for EF-2, EF-4, EF-5. Coordinate with mechanical for power requirements.	Open	
25	2019.05.13- CB1	E-205A	Power connection are missing for EF-12 on Roof. Coordinate with mechanical for power requirements.	Open	
26	2018.10.12- ISSUED FOR PERMIT	E-205B	It is recommended to add lighting with kindorf support on roof floor near mechanical equipments for maintenance pu	Open	
27	2018.10.12- ISSUED FOR PERMIT	E-205B	Outdoor disconnect shall be weatherproof type	Open	
28	2019.05.13- CB1	E-206	Elevator pit receptacles shall be GFI type per NEC	Open	
29	2019.05.13- CB1	E-206	Provision of disconnect switch for fire pump is recommended	Open	
30	2019.05.13- CB1	E-206	Coordinate location of Fire pump with Sprinkler drawing.	Open	
31	2019.05.13- CB1	E-207 to E-208	Provide Receptacles inside units as per code s per NEC 210.52. (missing at the entrances)	Open	

32	2019.05.13- CB1	E-301	Circuit breakers within guest rooms & for kitchen appliances shall be provided with AFCI protection(some of the breakers)	Open	
33	2019.05.13- CB1	E-301	Incorrect breaker size provided for PTAC-1. Provide 15A/2P	Open	
34	2019.05.13- CB1	E-301 to E-307	Need to have atleast 15% spare capacity in each panel for future loads as per marriott standards	Open	
35	2019.05.13- CB1	E-305	Coordinate breaker size for Booster pump controller & SP with respective equipment's cutsheet.	Open	
36	2019.05.13- CB1	E-306	Incorrect breaker size provided for AHU-3, AHU-7, CCU-1 & CCU-2, CCU-3, CCU-4 & CCU-5. Provide 30A/2P	Open	
37	2019.05.13- CB1	E-306	Coordinate breaker size of AHU-1 & AHU-2 with equipment cutsheet.	Open	
38	2019.05.13- CB1	E-309	Provision of disconnect switch for fire pump is recommended	Open	
FIRE ALARM					
1	2018.10.12 PERMIT SET	FA-201A	Provide smoke detector in mechanical closet #171	Open	
2	2018.10.12 PERMIT SET	FA-201A	Provide smoke detector Storage#161 and all storage room	Open	
3	2018.10.12 PERMIT SET	FA-201A to FA-205B	Coordinate with Sprinkler, Mechanical drawing and Provide FSD's , Tamper Switches and Water flow switches on plan and connect to Fire Alarm Control Panel	Open	
4	2018.10.12 PERMIT SET	FA-201A to FA-204A	Provide Smoke detector in corridor instead of combination smoke and carbon monoxide.	Open	
5	2018.10.12 PERMIT SET	FA-201A to FA-204A	Provide all symbols in Legends. Symbol used in apartments are missing	Open	
6	2018.10.12 PERMIT SET	FA-201A to FA-204A	Location of fire alarm riser and pull-boxes should be indicated on plan and fire resistances indicated. Circuit Integrity cable may be required based on proposed routing.	Open	
7	2018.10.12 PERMIT SET	FA-201A to FA-204A	So many manual Pull Stations are provided. Provide Manual Pull Station as per code only	Open	
8	2018.10.12 PERMIT SET	FA-201A to FA-204A	Provide Carbon monoxide detector in apartments dwelling unit as per ICC Section 915	Open	
9	2018.10.12 PERMIT SET	FA-201A to FA-204A	Recommend that outside air unit serving guestrooms be shutdown upon CO within guestrooms	Open	
10	2018.10.12 PERMIT SET	FA-201A to FA-204A	Provide fan shutdown capability for fans with a rating larger than 2,000 CFM and serving for apartment when there is smoke in system as per IBC 907.2.13.1	Open	
11	2018.10.12 PERMIT SET	FA-301	Match quantity of FA devices on plan with Riser.	Open	
12	2018.10.12 PERMIT SET	FA-301	Connect FSD's , Tamper Switches and Water flow switches to Fire Alarm control panel.	Open	
13	2018.10.12 PERMIT SET	FA-301	Indicate (2) telephone Network line to incoming telephone service for central station monitoring on riser diagram as per NFPA 72, Section 1.5	Open	
14	2018.10.12 PERMIT SET	FA-301	No Booster Power supplies indicated. EST-3 Fire Command Station only capable of providing 28 A of power. Battery calculations not provided but rule of thumb is 40 strobes per 10A.	Open	
15	2018.10.12 PERMIT SET	FA-301	Review and update I/O matrix to be project specific removing unwanted details.	Open	
FIRE PROTECTION					
1	Issued for 90% Franchise Review 2018.10.12	FP-001	Design shall also comply with building code of NJ 2015 & Homewood suites standards, 02 July 2018.	Open	
2	Issued for 90% Franchise Review 2018.10.12	FP-001	Pressure reducing valve shall be provided only when static pressure at FCA and hose valve exceeds 175 PSI as per NFPA 13, Section - 8.16.1.2 & Homewood suites standards, section-2516.03.C.7.	Open	
3	Issued for 90% Franchise Review 2018.10.12	FP-001	Check & confirm the hydraulic calculations as per Homewood suites standards & NFPA 13, also consider the available street pressure to identify whether fire pump is required or not.	Open	
4	Issued for 90% Franchise Review 2018.10.12	FP-101A TO FP-104B	Provide sprinkler heads to cover all area with piping as per hydraulic calcs/pipe schedule. Follow NFPA 13, NJ 2015 & Homewood suites standards.	Open	
5	Issued for 90% Franchise Review 2018.10.12	FP-001	Back flow preventer installation and BFP model shall be as per the requirements of Jersey city municipal Authority's Bureau of Water Engineering.	Open	
6	Issued for 90% Franchise Review 2018.10.12	FP-001	It's recommended to eliminate ACV assembly, since there is FCA at every floor connected to fire alarm system.	Open	

7	Issued for 90% Franchise Review 2018.10.12	FP-101B	Provide fire department connection as per IFC 2015, Section (912). Access shall be maintained as per NJ fire code 2015, section- 912.4.	Open	
8	Issued for 90% Franchise Review 2018.10.12	FP-101B	It is recommended to provide two way fire department connection of 6" X 3" X 3" and also provide check valve with automatic ball drip. Make provision to drain the pipe.	Open	
9	Issued for 90% Franchise Review 2018.10.12	FP-101A TO FP-104B	Review and update sprinkler main crossing inside stairs to maintain minimum head room.	Open	
10	Issued for 90% Franchise Review 2018.10.12	FP-101A TO FP-104B	For fire suppression system's design also refer Homewood suites standards, Section 2516.03	Open	
11	Issued for 90% Franchise Review 2018.10.12	FP-101A & FP-101B	Provide riser control valves with tamper switches.	Open	
12	Issued for 90% Franchise Review 2018.10.12	FP-101A TO FP-104B	Coordinate all water flow and tamper switches with FA system.	Open	
13	Issued for 90% Franchise Review 2018.10.12	FP-101A	All risers and sprinkler pipe sizes should comply with Building code of NJ 2015, section 905.2.1	Open	
14	Issued for 90% Franchise Review 2018.10.12	FP-101A TO FP-104B	Considering the floor area, one FCA each floor is sufficient as per NFPA 13 section 8.2.1. So It is recommended to provide only one FCA at each floor.	Open	
15	Issued for 90% Franchise Review 2018.10.12	FP-104B	Provide Hose valve, roof manifold with test & inspection connection. As per NFPA 14, Section 11.5.	Open	
16	Issued for 90% Franchise Review 2018.10.12	FP-101B	Coordinate incoming water service with plumbing.	Open	
17	Issued for 90% Franchise Review 2018.10.12	FP-101B	Fire pump room shall be separated from all other areas of the building in accordance with NJ Fire code 2015 Section 913.2.1. Coordinate Fire pump room requirements and pump location with architect and other trades.	Open	

SPRINKLER DRAWINGS

1	16-Apr-19	FSP 1 OF 11	Design shall also comply with building code of NJ 2015 & Homewood suites standards, 02 July 2018.	Open	
2	16-Apr-19	FSP-2 OF 11 & FSP 5 OF 11	Fire pump room shall be separated from all other areas of the building in accordance with NJ Fire code 2015 Section 913.2.1. Coordinate Fire pump room requirements and pump location with architect and other trades.	Open	
3	16-Apr-19	FSP 2 OF 11	Back flow preventer installation and BFP model shall be as per the requirements of Jersey city municipal Authority's Bureau of Water Engineering.	Open	
4	16-Apr-19	FSP 3 OF 11	All risers and sprinkler pipe sizes should comply with Building code of NJ 2015, section 905.2.1	Open	
5	16-Apr-19	FSP 4 OF 11 to FSP 11 OF 11	Pipe standard shall be in compliance with the NFPA 13 Table 6.3.1.1 & NFPA 14 section 4.2 and local codes.	Open	
6	16-Apr-19	FSP 4 OF 11 to FSP 11 OF 11	Coordinate all water flow and tamper switches with FA system.	Open	
7	16-Apr-19	FSP 3 OF 11	Provide tamper switch to riser control valve at stair 1.	Open	
8	16-Apr-19	FSP 5 OF 11	Provide fire department connection as per NJ Fire code 2015, Section-912.	Open	
9	16-Apr-19	FSP 5 OF 11	Coordinate siamese connection's location. Access shall be maintained as per NJ fire code 2015, section- 912.4.	Open	
10	16-Apr-19	FSP 5 OF 11	It is recommended to provide two way fire department connection of 6" X 2-1/2" X 2-1/2" and also provide check valve with automatic ball drip. Make provision to drain the pipe.	Open	
11	16-Apr-19	FSP 5 OF 11	Coordinate sprinkler inside chute with chute manufacturer for canopy as per NFPA 13 Section 22.15.2.2.1.3. (TYP.)	Open	
12	16-Apr-19	FSP 5 OF 11	It is recommended to provide separate riser with dedicated water flow switch & riser control valve with tamper switch for linen chute to have proper identification of zone alarm system.	Open	
13	16-Apr-19	FSP 5 OF 11	It is recommended to provide sidewall sprinkler heads in guest room instead of pendent sprinkler to avoid piping inside guest room and save piping cost.	Open	
14	16-Apr-19	FSP 2 OF 11	Specify jockey pump capacity. Jockey Pump shall be sized as per NFPA 20, Section A.4.25.1.1.	Open	
15	16-Apr-19	FSP 2 OF 11	Specify Fire Pump type	Open	
16	16-Apr-19	FSP 11 OF 11	Provide Hose valve, roof manifold with test & inspection connection. As per NFPA 14, Section 11.5.	Open	

17	16-Apr-19	FSP 4 OF 11, FSP 5 OF 11, FSP 6 OF 11, FSP 10 OF 11, FSP 11 OF 11	Safety factor of 10% must be applied to hydraulic demand calculations, as per Homewood suites standards Section 2516.03.B.1.c.	Open	
18	16-Apr-19	FSP 4 OF 11	Coordinate with mechanical and provide kitchen hood fire suppression system as per Homewood suites standards Section 2516.03.E.	Open	
19	16-Apr-19	FSP 4 OF 11, FSP 5 OF 11, FSP 10 OF 11, FSP 11 OF 11	As per Homewood suites standards Section 2516.03.B.1.a, design area must not be reduced below 1500 SQ.FT.	Open	
20	16-Apr-19	FSP 5 OF 11	Confirm total required flow including hose stream allowance. Total required flow should not exceed pump capacity.	Open	
21	16-Apr-19	FSP 4 OF 11	Check and confirm with mechanical that the electrical room is heated. If not then provide dry sidewall sprinkle heads.	Open	
22	16-Apr-19	FSP 4 OF 11	Coordinate incoming water service with plumbing.	Open	
23	16-Apr-19	FSP 4 OF 11	Elevator shaft is not heated, Eliminate wet piping in the elevator.	Open	
24	16-Apr-19	FSP 4 OF 11 to FSP 11 OF 11	Confirm the sprinkler protection to stairways is as per NFPA 13 Section 8.15.3.	Open	
25	16-Apr-19	FSP 4 OF 11	Provide fire extinguishers as per Homewood suites standards Section 2516.03.F. (TYP.)	Open	
26	16-Apr-19	FSP 2 OF 11	Match Fire department connection's location with the location shown on sheet FSP 5 OF 11.	Open	
27	16-Apr-19	FSP 5 OF 11	FCA drain connection is missing.	Open	
28	16-Apr-19	FSP 5 OF 11	As per the NFPA 13, Section 8.6.3.1 & 8.6.3.1, Distance of the sprinkler from the wall should not exceed 7'-6".	Open	
29	16-Apr-19	FSP 4 OF 11 to FSP 11 OF 11	Coordinate space heating with mechanical at storage, Vending room, linen storage & guest laundry. Check if heating is required to avoid freezing sprinkler system. (TYP. for all floors).	Open	
30	16-Apr-19	FSP 4 OF 11 & 5 OF 11	Refer latest architect's plan for sprinkler layout.	Open	
END OF DESIGN REVIEW COMMENTS					