

Renovation Scope:

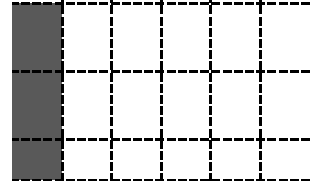
OPTION 4

Building Area:

A B C D E F

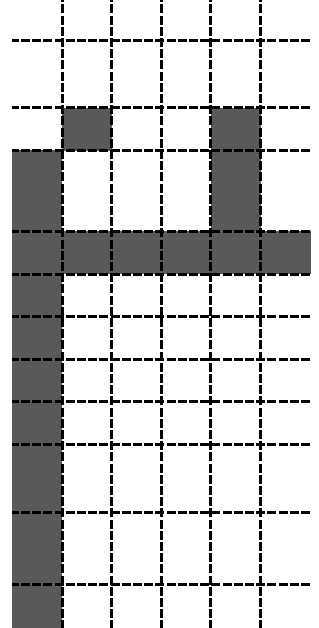
B10 Superstructure

- Reinforce CMU partitions w/ seismic supports, anchored to the floor or roof at the top. – Scope TBD
- At slab penetrations for mechanical systems, provide new infill slabs on steel framing for required over removal due to existing rib slab structure – Scope to be determined.
- **New elevators connection first thru third floors. See plans. Inc. electrical, etc**



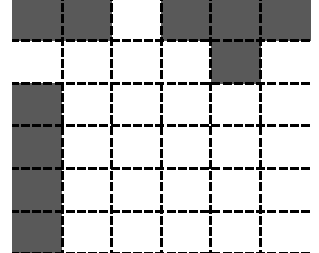
B20 Exterior Walls

- Infill exterior walls w/ brick to match, where unit vents are removed.
- Repair spalling exposed concrete at extended sills (rebar exposed). Clean and coat exposed bars; apply Sika repair mortar to match.
- Repair sealant at exterior windows
- Provide mechanical visual screen along front façade and 20% of sides. Galvanized steel framed screen per the usual HMFH/FBRA details.
- Replace all exterior doors
- Replace Façade
 - o Remove all non-structural façade elements (window, masonry, CMU back-up.
 - o Infill stepped slab at second floor (see diagrams) Slab on steel deck.
 - o Provide new edge of slab foundation/frost wall at base of new wall.
 - o Provide new topping slab at edge of slab over area that used to be exterior, to provide flat floor slab. (Clean and coat exposed rebar)
 - o New Façade: Mtl Framing at edge of existing/infill slab, sheathing outboard of slab edge, AVB/Insulation, Trespa or equal rain screen panels
 - o Assume 30% glazing (20% windows/ 10% curtain wall)



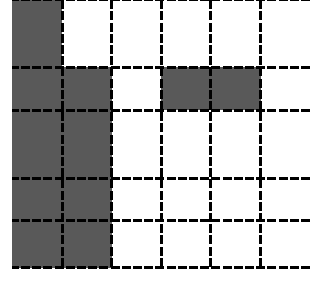
B30 Roofing

- Replace roofing – PVC sheet w/ R-40
- Repair roof ladders – sand and repaint
- Provide new skylights at media center
 - o Remove concrete slab between beams
 - o infill with steal framing and metal deck as required
 - o Provide sloped flat panel aluminum framed skylights.



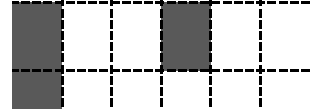
C10 Interior Construction

- Reconfigure walls in limited locations. See plans for locations. Assume typical HMFH details/quality. Any altered interior walls will need to be anchored to the floor or roof at the top.
- Replace toilet partitions and accessories.
- Add 70 SF of glass between each classroom and the corridor. (In 1960s wing, this includes steel lintel to support CMU above.)
- Replace all interior doors
- **Finish at locer removal, as required (new soffits flush with clg, finish walls where fin wall removed, paint)**
- **Build new security office and entry check point, appox 4,000 SF w/in existing lobby**



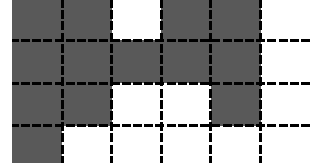
C20 Staircases

- Replace guardrails and handrails throughout to current standards (guards required an all sides, gap between stair and wall is too large)
- Provide stair gate (2 locations)



C30 Interior Finishes

- Replace all flooring w/ marmolium sheet/tile
- Paint all walls, existing door frames and soffits.
- Replace all ACT ceilings, 2x2.
- **Full cosmetic renovation of the library/media center including lighting and acoustic treatment**



Renovation Scope:

E10	Equipment <ul style="list-style-type: none"> Replace kitchen equipment (assume 50% replacement) Provide Fire Extinguisher cabinets throughout.
E20	Furnishings <ul style="list-style-type: none"> Provide flexible, foldable, stackable classroom furniture throughout
F20	Selective Building Demo <ul style="list-style-type: none"> Demo architectural and MEP systems as required to complete new work. Demo openings and existing slabs, roof, walls and partitions for new MEP systems. (Note, partitions in 1966 building are CMU) Remove all plumbing fixtures, branch electrical, existing mechanical systems (including unit ventilators, AHU and RTUs) Remove Façade (See exterior wall B20) Remove lockers and associated finishes (soffits, end/fin walls). Finish as required, see C10 above.
F20	Hazardous Materials Abatement
G20	Site Improvements
G30	Site Utilities

OPTION 4
Building Area:

A	B	C	D	E	F

Addition/ New Wing Scope (Options 3,4, and 5)

Construction Type IB, sprinklered, Occupancy E.

B10	Superstructure <ul style="list-style-type: none"> Steel frame – Composite steel deck Floors: 4-1/2" concrete on 3" metal composite steel deck (7-1/2" total thickness)
B20	Exterior Walls <ul style="list-style-type: none"> Brick veneer on 16 gauge metal stud back-up with level of detail (assume Norman bricks, 60% of facade) 30% glazed (20% window, 10% CW) 10% Trespa/phenolic panel rain screen Provide visual mechanical screen (as above)
D30	HVAC <ul style="list-style-type: none"> Full AC from RTU.

All other items to match renovation as they apply or HMFH standards.

Alternates:

Alternate #1: Courtyard and Courtyard access

OPTION 4

<ul style="list-style-type: none"> Remove concrete stairs <ul style="list-style-type: none"> § Remove stair wall to corridor at first and second floor. § Provide glass railing at edge of floor opening at second floor. § Remove non-structural exterior façade elements between stair shaft and courtyard § Provide double height curtainwall. Gravity support at base; lateral anchor with vertical slip at floors. Raise grade of courtyard by approximately 3' to be flush with second floor slab Provide new perimeter drainage/damp-proofing and insulation at perimeter of foundation wall Provide new planting beds Provide pervious paving 25% of courtyard Provide concrete (granite slab???) site seating Provide new planting Provide 6 wood benches Provide new 15' x 25' pre-fab greenhouse on poured concrete foundation. 6" thick slab on grade; 12" thick frost walls with continuous footing (4'-0" minimum below finished grade). 	
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Alternate #7 -Increase existing slab rating

<ul style="list-style-type: none"> Provide spray fire proofing at 3/4" minimum thickness in thin portion of existing rib slab between floors. 	
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