

Millwood Fire District

New Station No. 1

Draft Program

21-Oct-09

Program Evaluation & Recommendations by:
Ohlhausen DuBois Architects & Stewart-Cooper-Newell Architects

Note: BO = provided By Owner

| FIRE VEHICLE BAYS | JLN | 01.09 Size | 09.21 Size | 10.07 Size | 10.19 Size | 10.21 Size |
|--|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Apparatus Bays (5) Bays @ 52' deep - End bays 21' wide - Interior bays 18' wide | 5255 | 5225 | 5178 | 5255 | 5928 | 4992 |
| Bay 1: (F)R26 @ 26' | | | | | | |
| Bay 2: MA10 @ 22' | | | | | | |
| Bay 3: E247 @ 31' | | | | | | |
| Bay 4: Pickup @ 20' (?) & Boat @ 13' (?) | | | | | | |
| Bay 5: (F)L52 @ 42' | | | | | | |
| Flourescent Lights | | | | | | |
| 14x14 OH Steel Doors w/ Remotes: 1 row of windows | | | | | | |
| Electric Shore Lines - cord reels By Owner (BO) | | | | | | |
| Normal Built-In Bay Exhaust System | | | | | | |
| Trench Drains | | | | | | |
| Normal Inside/Outside Hosebibs (1) hot water hosebib on inside & (1) 1.5" Truck Fill Line inside | | | | | | |
| 30 Turn-Out Gear Lockers (BO) along bay walls - 2'x2' Gear Grid lockers | | | | | | |
| Hose Storage Racks along bay walls | | | | | | |
| Clean up Room: Dbl. Stainless Steel Sink w/ side boards - Emergency Shower/Eyewash - Tub Sink | 0 | 0 | 180 | 180 | 150 | 150 |
| Ice Machine (BO) | | | | | | |
| Thickened Slab & Trough Drain for future Extractor | | | | | | |
| Appartus Floor Toilet Room w/ 1 sink, 1 water closet and shower | 0 | 0 | 64 | 64 | 64 | 64 |
| Cascade Room: Ventilated - Cuts and Equipment BO | 200 | 200 | 200 | 200 | 120 | 120 |
| Vendor Room - vendor access from exterior - company access from interior | 0 | 0 | 0 | 0 | 80 | 80 |
| Tool Shop: 10' workbench, Air Comp.(BO) piped to Bay, Radio Chargers (BO), | 100 | 200 | 190 | 190 | 150 | 150 |
| Sprinkler Riser Room (included in 40% mark up at end) | 0 | | | 0 | 0 | 0 |
| General Firematic Storage (need inventory) | 240 | 250 | 240 | 240 | 240 | 240 |
| Chemical/Hazmat Storage - Ventilated | 200 | 200 | 0 | 200 | 120 | 120 |
| Turn-Out Gear Storage: Locker space included in Apparatus Bays | 210 | 0 | 0 | 0 | 0 | 0 |
| Total Fire Vehicle Bay Square Footage | 6205 | 6075 | 6052 | 6329 | 6852 | 5916 |

| FIRE PUBLIC SPACES | JLN | 01.09 Size | 09.21 Size | 10.07 Size | 10.19 Size | 10.21 Size |
|---|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Lobby: data box for future 911 phone - display space for antique apparatus | 0 | | 300 | 160 | 160 | 160 |
| 2 non-HC Public Restrooms w/ 3 fixtures each | 300 | 300 | 128 | 240 | 240 | 240 |
| 1 HC Public Restroom | 0 | 0 | | 64 | 64 | 64 |
| Vending alcove off Lobby for 2 machines and water cooler | 0 | 0 | 36 | 0 | 0 | 0 |
| Radio Room: 2 workstations - base radio - COMS concole - radio chargers - coat closet adjacent to Lobby w/ pass window | 400 | 250 | 200 | 200 | 150 | 150 |
| Chief's Office: 3 desks - 6 file cab's - shelving - coat closet | 350 | 350 | 350 | 350 | 350 | 350 |
| Fire Officer's Office: 2 shared work areas for 4 officers - comfortable seating | 418 | 300 | 300 | 250 | 200 | 200 |
| Fire Company Office: 2 work areas, (6) lateral file cabinets - 3 drawers high - counter on top | 420 | 300 | 300 | 420 | 150 | 150 |
| Conference Room: conference table for 10 | 350 | 350 | 350 | 350 | 300 | 300 |
| IT Closet | 0 | 96 | 24 | 24 | 24 | 24 |
| District Office: 2 workstations - file cab's - storage shelving and/or cab's - large conference table | 0 | 600 | 720 | 720 | 500 | 500 |
| Ladies Aux. Office: 1 workstation w/computer - table & chairs - storage cabinets | 0 | 300 | 300 | 300 | 200 | 200 |
| Multi-Purpose Room: 100 people @ tables - demountable wall capable of dividing the room in two Table/Chair/AV Storage Room - tables & 50 chairs - adjacent to MP Room | 1500 | 1500 | 1600 | 1500 | 1500 | 1500 |
| Membership Room: Pool table - game tables - refreshment area - recliners - large TV - bulletin boards - comfortable seating & low tables - WIFI & work area adjacent to Kitchen - access to deck or patio space | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 |
| Kitchen w/ pass thru to Membership Room - and to MP Room if possible | 350 | 350 | 300 | 350 | 350 | 350 |
| 1 Double Sink Deep & 1 HC Food Prep Sink | | | | | | |
| Disposal | | | | | | |
| 6 Burner Gas Cooktop | | | | | | |
| 1 General Food Locker | | | | | | |
| Countertop MW Oven | | | | | | |
| Pantry | | | | 100 | 50 | 50 |
| Cot/Coat/Table Storage (see general storage below) | 325 | 300 | 125 | 125 | 0 | 0 |
| Janitor's Closet w/ mop sink & supply storage shelving | 200 | | 64 | 64 | 64 | 64 |
| Hose Drying Tower - incorporated into Stairwell w/ floor drain - close to Appartus Floor | 0 | | 100 | 100 | 100 | 100 |
| Total Fire Public Spaces Square Footage | 5813 | 6196 | 6397 | 6617 | 5702 | 5702 |

| FIRE PRIVATE SPACES | JLN | 01.09 Size | 09.21 Size | 10.07 Size | 10.19 Size | 10.21 Size |
|--|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Ready Room: 5-7 people normally - 12 people max - 4-5 recliners, table & chairs & TV | 400 | 400 | 240 | 400 | 400 | 400 |
| Outside Patio w/ low walls and built in grill and seating | 0 | | 0 | 0 | 0 | 0 |
| Warming Kitchen: alcove off of Ready Room | 200 | 0 | 200 | 200 | 200 | 100 |
| Counter, Sink, Small Range, Small Ref, Icemaker, Microwave | | | | | | |
| Dining Area (see Meeting/MP Room and Membership Room) | 0 | | 0 | 0 | 0 | 0 |
| Firematic Locker Rooms (1 male/1 female): Toilet - Shower - Lockers (5 male /5 female) | 609 | 609 | 0 | 0 | 0 | 0 |
| included in the following two spaces | | | | | | |
| 3 Toilet/Shower Rooms (100sf each) w/4' wide showers | 0 | 0 | 300 | 300 | 300 | 300 |
| Locker Alcove for (40) 12"x12", half height lockers | 0 | | 40 | 20 | 20 | 20 |
| Exercise Room w/ 6 workout stations - oversize door - with view to outdoors | 600 | 600 | 600 | 600 | 600 | 600 |
| Laundry Room w/ commercial front loader, tub sink and linen storage | 0 | 0 | 100 | 0 | 90 | 90 |
| General Storage (Equipment) Rooms spread throughout facility | 760 | 0 | 760 | 60 | 180 | 180 |
| Mechanical Room | 350 | 350 | 0 | 0 | 0 | 0 |
| Janitors Closet w/ mop sink & supply storage shelving | 0 | 40 | 64 | 64 | 64 | 64 |
| Total Fire Private Spaces Square Footage | 2919 | 1999 | 2304 | 1644 | 1854 | 1754 |

| | | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Total Net Square Feet | 14937 | 14270 | 14753 | 14590 | 14408 | 13372 |
| Grossing Factor - 40% (not including Apparatus bays) | 2623 | 3618 | 3830 | 3734 | 3392 | 3352 |
| Exterior & interior wall thicknesses | | | | | | |
| Structure | | | | | | |
| Hallways, Stairs & Elevator | | | | | | |
| Mechanical, electrical, plumbing & sprinkler rooms and areas | | | | | | |
| Chases and Shafts for mechanical, electrical & plumbing | | | | | | |
| Grossing Factor Bays Only - 10% (Includes wall thicknesses, structure, circulation, staging space, etc.) | 526 | 523 | 518 | 526 | 593 | 499 |
| TOTAL GROSS SQUARE FEET | 18086 | 18411 | 19101 | 18850 | 18393 | 17223 |

SITE:

Building signage & 1 yard sign

3 flag poles w/ lighting

Conc. Filled Steel Bollards at Bay Doors (inside and outside)

Parking: 50 paved spaces

Deisel Generator - Full Building Capacity - could also be inside building

Dumpster Pad

1+ Fire Hydrant onsite

Space for additional bay at the end of the Apparatus Room

To be determined - On-Site Diesel Fueling Station

GENERAL NOTES:

Apparatus Bays - both drive-through and back in bays will be evaluated.

Generator Load - design team recommends as many propane (versus electric) appliances and equipment as possible to reduce electric load for generator.

Incorporate as many low cost, training props as possible

All furniture & equipment By Owner unless noted otherwise.

Potential Alternates:

 Plymovent for 6 drops

Future Bunk Room - 6 beds and 24 wardrobe lockers - conversion of an existing space - space TBD