

Partial Air Handling Room Plan

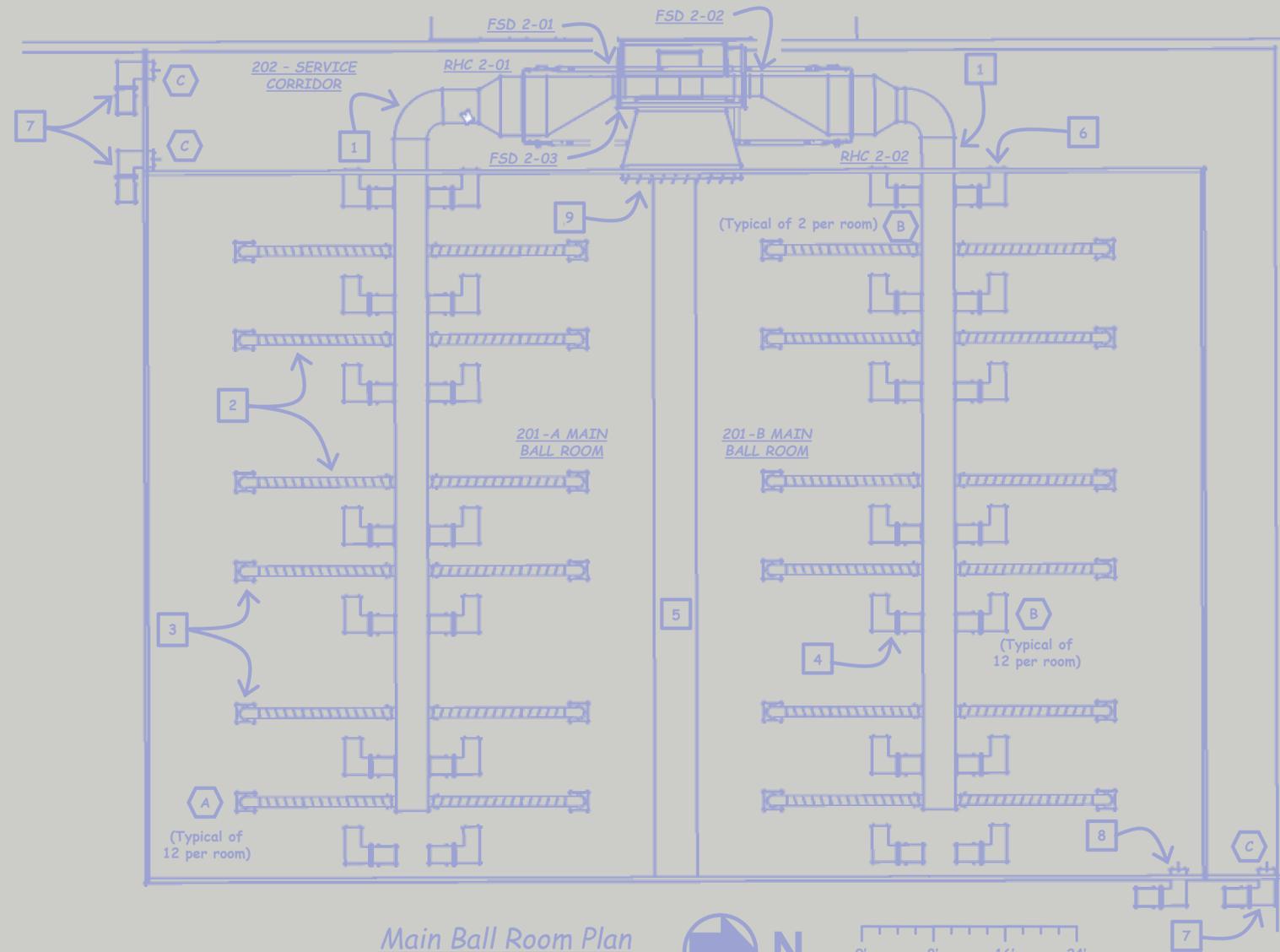
1/4" = 1'0"
 0' 4' 8' 12'



AIR HANDLING ROOM PLAN NOTES

- 1 26" X 54" Supply up shaft to ball room
- 2 26" X 54" Outdoor air up to outdoor air intake plenum and louver
- 3 40" X 60" Relief damper with sleeve and louver, typical of 4 sections stacked 2 x 2 vertically
- 4 Field erected mixing box; dampers by control contractor; coordinate with control contractor for damper sizing and installation details
- 5 Filter section with access door, prefilters and final filters; see equipment schedule for details
- 6 Hot water coil section with access door; see equipment schedule for coil details
- 7 Chilled water coils section; see equipment schedule for coil details; pipe condensate drain to floor sink per manufacturers recommendations
- 8 DWDI fan section with access door; see equipment schedule for details
- 9 Floor sink by plumbing contractor; see plumbing drawings and specifications for details
- 10 2-1/2" HWS and HWR up to ball room reheat coils on level 2

- 11 2-1/2" HWS and HWR to ball room AHU-02 hot water coil; see typical hot water coil piping detail for more information
- 12 3" CHWS and CHWR to ball room AHU-02 chilled water coil; see typical chilled water coil piping detail for more information
- 13 3-1/2" minimum high reinforced concrete housekeeping pad, doweled to floor slab, all by structural contractor; coordinate with structural contractor for final dimensions; see structural drawings and specifications for details
- 14 3" HWS and HWR, 4" CHWS and CHWR to AHU 03 and AHU 04; See M15 and M16 for details



Main Ball Room Plan

1/8" = 1'0"



0' 8' 16' 24'

BALL ROOM PLAN NOTES

- 1 18" X 44" Supply
- 2 12"Φ Supply with bell mouth tap and volume damper (typical)
- 3 4-way supply, 833 cfm (typical)
- 4 Return grill, 677 cfm, with 22" x 22" double Z elbow with 1" acoustical liner and balance damper (typical)
- 5 Movable room divider partition track, see architectural drawings and specifications
- 6 Return grill, 938 cfm, with 22" x 22" double Z elbow with 1" acoustical liner and balance damper; transfers return air from ball room to service corridor (typical of 2 per room)
- 7 1,250 cfm transfer duct with 22" x 22" double Z elbow with 1" acoustical liner and balance damper; transfers air from service corridor to Pre-function Lobby ceiling plenum for transfer to rest room as make up for rest room exhaust (typical of 3 locations)
- 8 1,250 cfm transfer duct with 22" x 22" double Z elbow with 1" acoustical liner and balance damper; transfers air from ball room ceiling plenum to Pre-function Lobby ceiling plenum for transfer to rest room as make up for rest room exhaust
- 9 15,000 cfm transfer duct with balance damper; transfers air from ball room ceiling return plenum to FSD 2-03 and return air shaft to level air handling mechanical room



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