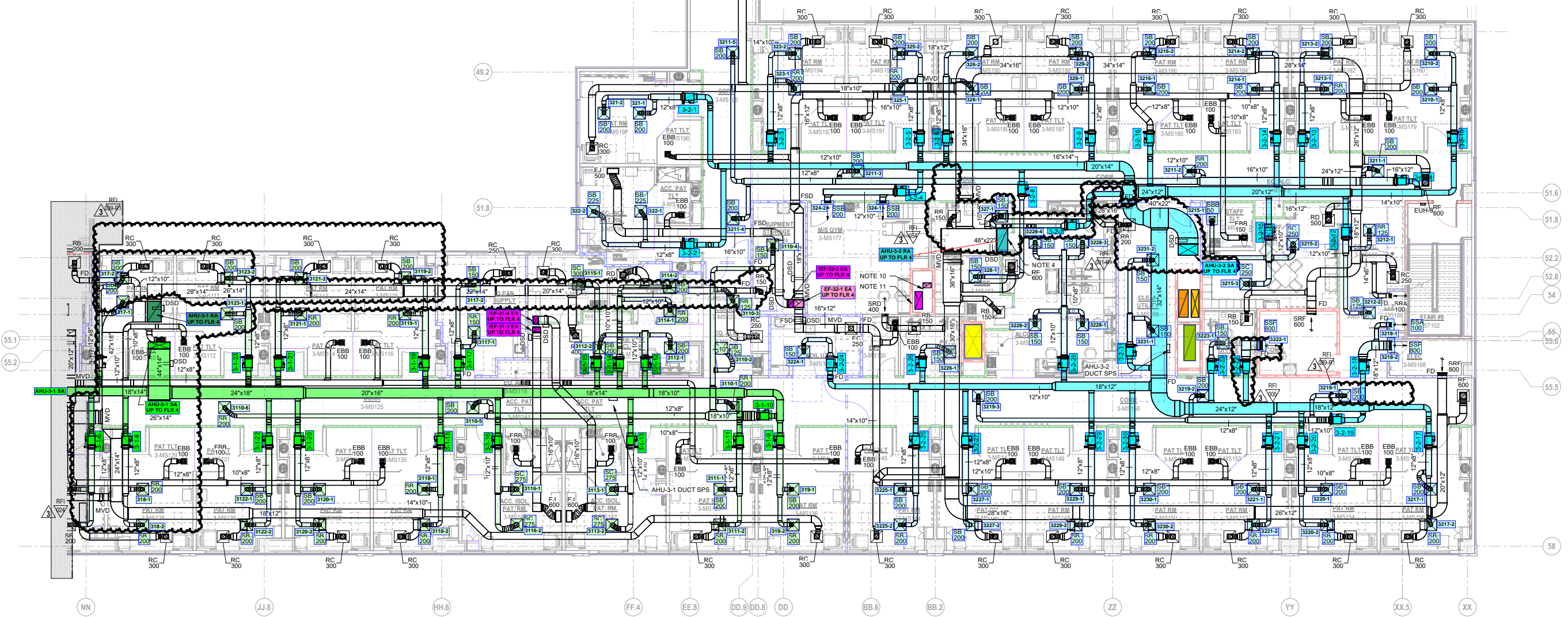


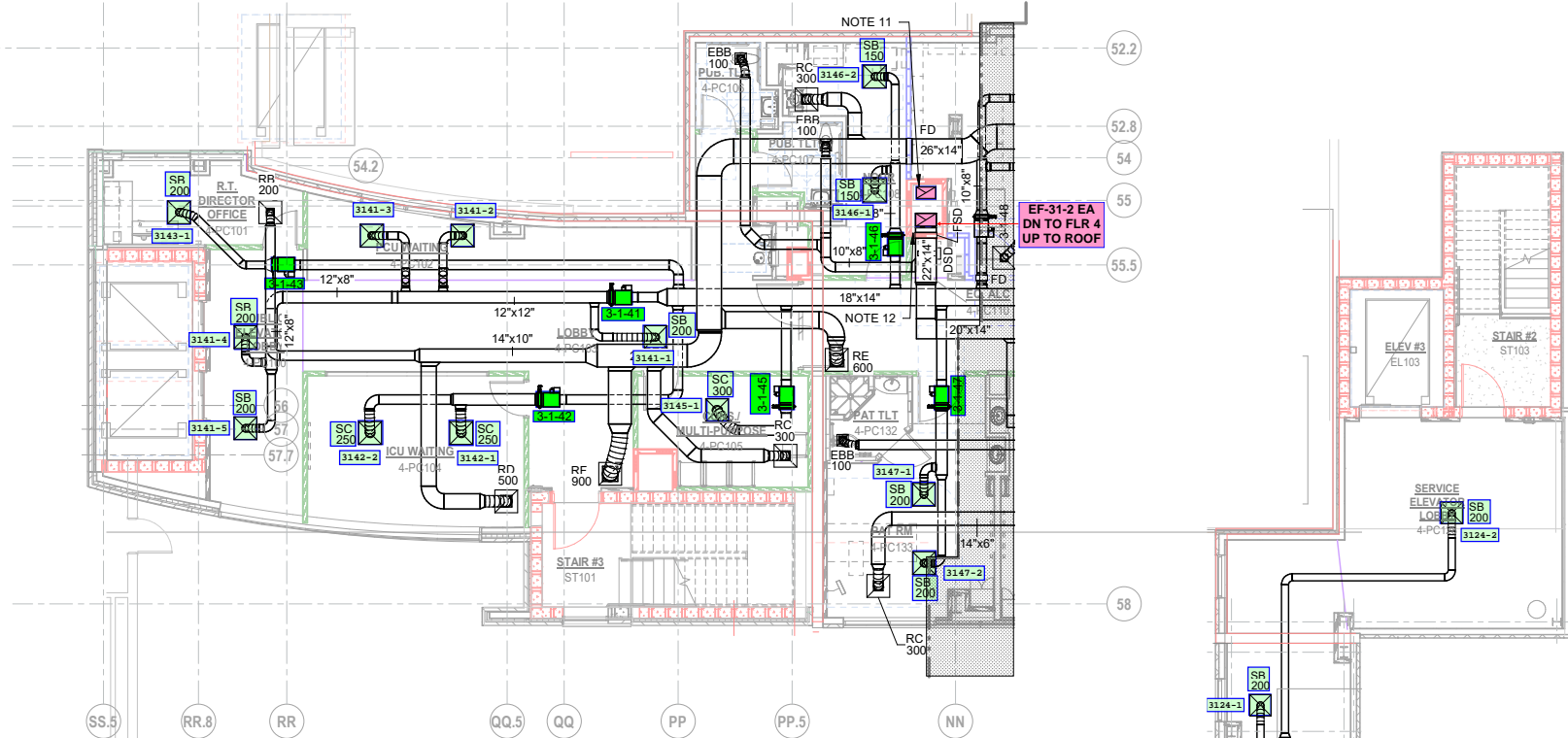
**3RD FLOOR HVAC FLOOR PLAN - PART A**  
SCALE: 1/8" = 1'-0"

**SHEET NOTES:**

1. 44"x14" SUPPLY DUCT FROM 4TH FLOOR ABOVE, PROVIDE FSD AT SLAB PENETRATION.
2. 42"x28" RETURN DUCT UP TO 4TH FLOOR ABOVE, PROVIDE FSD AT SLAB PENETRATION.
3. 60"x28" SUPPLY DUCT FROM 4TH FLOOR ABOVE, PROVIDE FSD AT SLAB PENETRATION.
4. 48"x22" RETURN DUCT UP TO 4TH FLOOR ABOVE, PROVIDE FSD AT SLAB PENETRATION.
5. 16"x10" EXHAUST DUCT UP TO IEF-31-4 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
6. 16"x10" EXHAUST DUCT UP TO IEF-31-3 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
7. 16"x10" EXHAUST DUCT UP TO IEF-32-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
8. 20"x16" EXHAUST DUCT UP TO EF-32-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
9. 20"x12" EXHAUST DUCT UP TO EF-31-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
10. EXTEND EXISTING 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO EF-21-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
11. EXTEND EXISTING 36"x16" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-21-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.



**3RD FLOOR HVAC FLOOR PLAN - PART B**

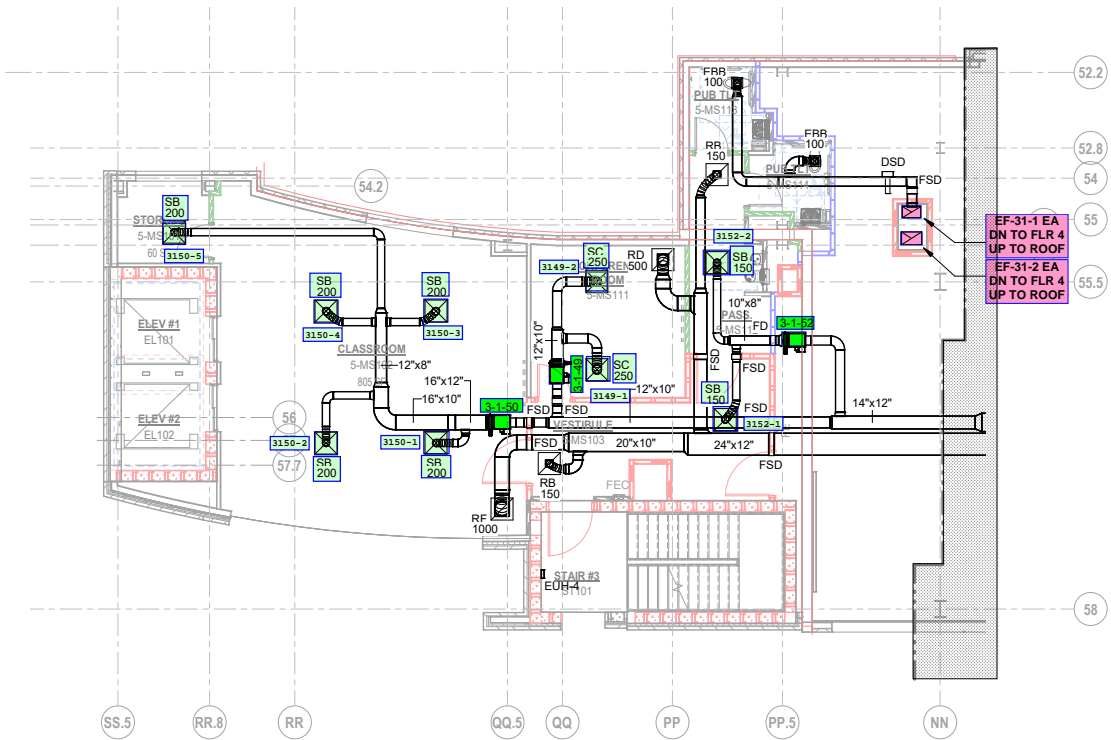


**4TH FLOOR HVAC FLOOR PLAN - PART A**  
SCALE: 1/8" = 1'-0"

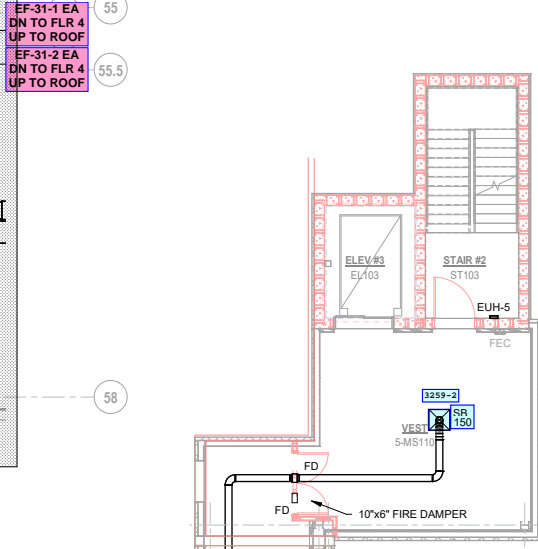
- SHEET NOTES:**
- 36"x34" SUPPLY DUCT FROM AHU-3-1 ON ROOF ABOVE, TRANSITION TO 36"x16" AFTER 4TH FLOOR BRANCH TAKEOFFS, PROVIDE FSD AT SLAB PENETRATION.
  - 42"x26" RETURN DUCT UP FROM FLOOR BELOW, TRANSITION TO 60"x18" BEFORE 4TH FLOOR BRANCH TAKEOFFS UP TO AHU-3-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 60"x26" SUPPLY DUCT FROM AHU-3-2 ON ROOF ABOVE, TRANSITION TO 40"x22" AFTER 4TH FLOOR BRANCH TAKEOFFS, PROVIDE FSD AT SLAB PENETRATION.
  - 48"x22" RETURN DUCT UP FROM FLOOR BELOW, TRANSITION TO 60"x42" BEFORE 4TH FLOOR BRANCH TAKEOFFS UP TO AHU-3-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-31-4 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-31-3 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT UP TO IEF-31-6 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT UP TO IEF-31-5 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-32-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 20"x26" EXHAUST DUCT UP TO EF-32-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 20"x12" EXHAUST DUCT FROM FLOOR BELOW UP TO EF-31-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 22"x14" EXHAUST DUCT UP TO EF-31-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - EXTEND EXISTING 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO EF-21-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - EXTEND EXISTING 36"x16" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-21-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-32-3 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-32-4 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - LOCATION OF H-1 AND H-2. LOCATE H-1 2'-0" ABOVE FINISHED FLOOR AND H-2 7'-0" ABOVE FINISHED FLOOR.
  - CONNECT NEW 68"x34" SUPPLY DUCT TO EXISTING 68"x34" SUPPLY DUCT ABOVE 3RD FLOOR CEILING.
- ISOLATION EXHAUST FAN - IEF**  
**GENERAL EXHAUST FAN - EF**



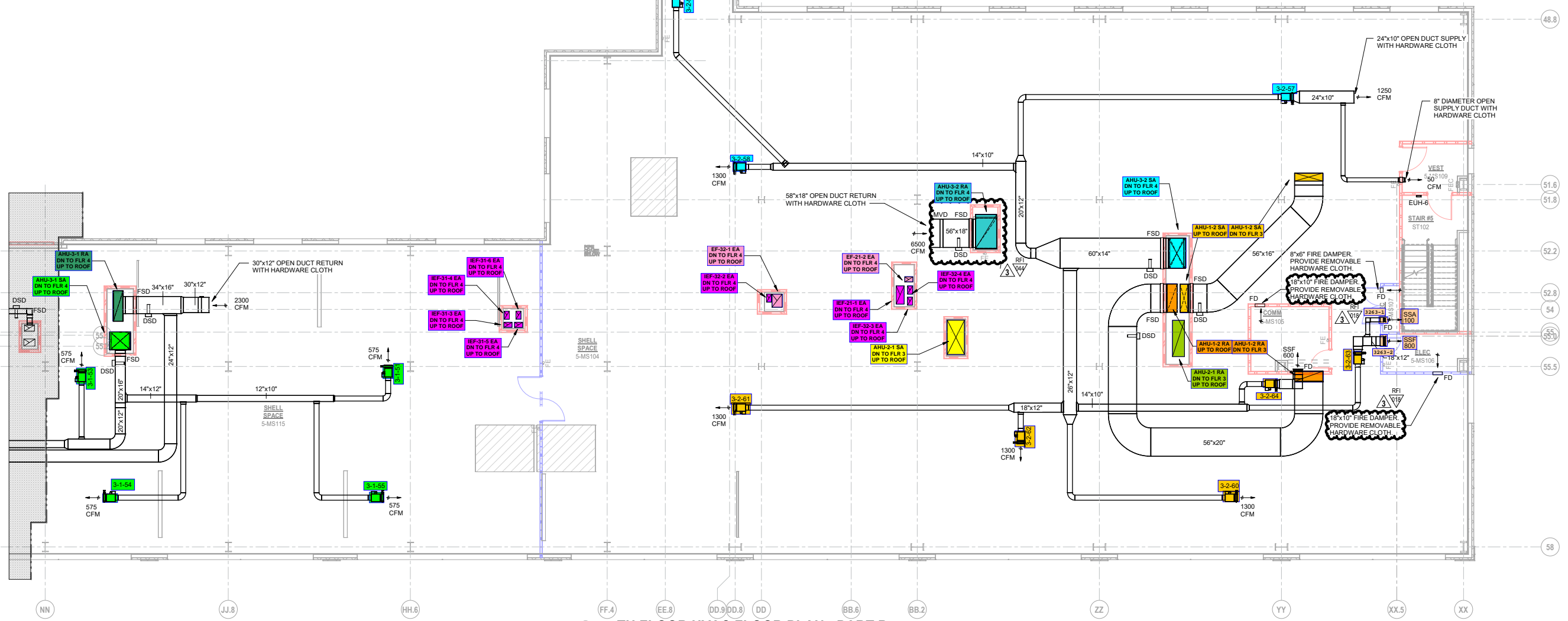
**4TH FLOOR HVAC FLOOR PLAN - PART B**  
SCALE: 1/8" = 1'-0"



**5TH FLOOR HVAC FLOOR PLAN - PART A**  
SCALE: 1/8" = 1'-0"



- SHEET NOTES:**
- 42"x36" SUPPLY DUCT FROM AHU-3-1 ON ROOF ABOVE, TRANSITION TO 36"x34" AFTER 5TH FLOOR BRANCH TAKEOFFS, PROVIDE FSD AT SLAB PENETRATION.
  - 60"x18" RETURN DUCT UP FROM FLOOR BELOW, TRANSITION TO 60"x20" BEFORE 5TH FLOOR BRANCH TAKEOFFS UP TO AHU-3-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 60"x34" SUPPLY DUCT FROM AHU-3-2 ON ROOF ABOVE, TRANSITION TO 60"x28" AFTER 5TH FLOOR BRANCH TAKEOFFS, PROVIDE FSD AT SLAB PENETRATION.
  - 60"x42" RETURN DUCT UP FROM FLOOR BELOW, TRANSITION TO 60"x42" BEFORE 5TH FLOOR BRANCH TAKEOFFS UP TO AHU-3-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-31-4 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-31-3 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT UP TO IEF-31-6 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT UP TO IEF-31-5 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-32-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 20"x26" EXHAUST DUCT UP TO IEF-32-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 20"x12" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-31-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 22"x14" EXHAUST DUCT UP TO IEF-31-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - EXTEND EXISTING 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-21-2 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - EXTEND EXISTING 36"x16" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-21-1 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-32-3 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 16"x10" EXHAUST DUCT FROM FLOOR BELOW UP TO IEF-32-4 ON ROOF ABOVE, PROVIDE FSD AT SLAB PENETRATION.
  - 68"x34" SUPPLY DUCT DOWN FROM AHU-2-1, CONNECT TO EXISTING ABOVE ABOVE 3RD FLOOR CEILING.
  - 72"x24" RETURN DUCT UP TO AHU-2-1, CONNECT TO EXISTING ABOVE ABOVE 3RD FLOOR CEILING.
  - 56"x16" SUPPLY DUCT DOWN FROM AHU-1-2, ROUTE 56"x16" SUPPLY DUCT ACROSS 5TH FLOOR CEILING AND INTO CHASE, CONNECT TO EXISTING ABOVE 3RD FLOOR CEILING.
  - 56"x20" RETURN DUCT UP FROM ABOVE 3RD FLOOR CEILING WHERE CONNECTED TO EXISTING, ROUTE 56"x20" RETURN DUCT ACROSS 5TH FLOOR CEILING AND UP TO AHU-1-2 ABOVE.



**5TH FLOOR HVAC FLOOR PLAN - PART B**