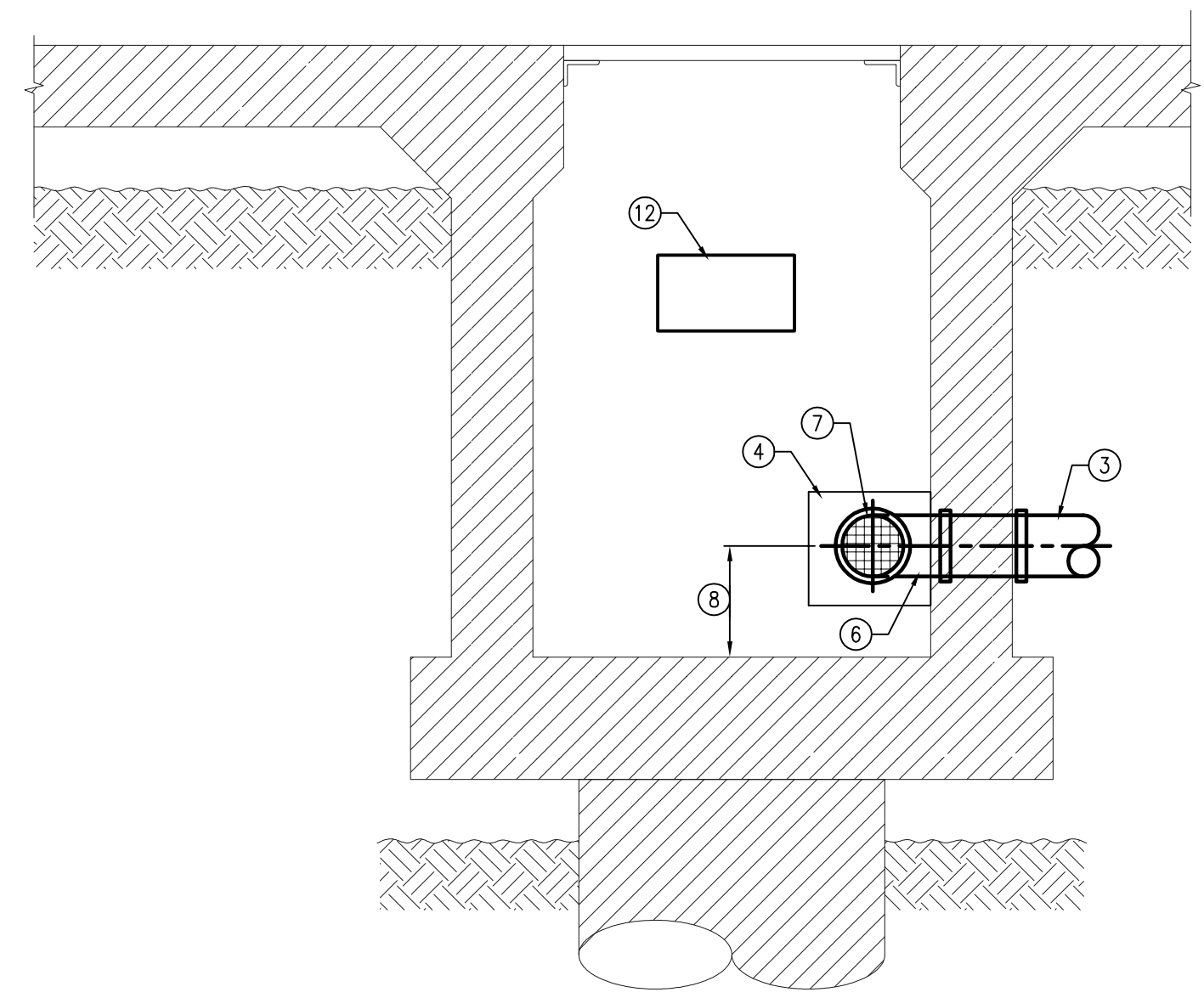
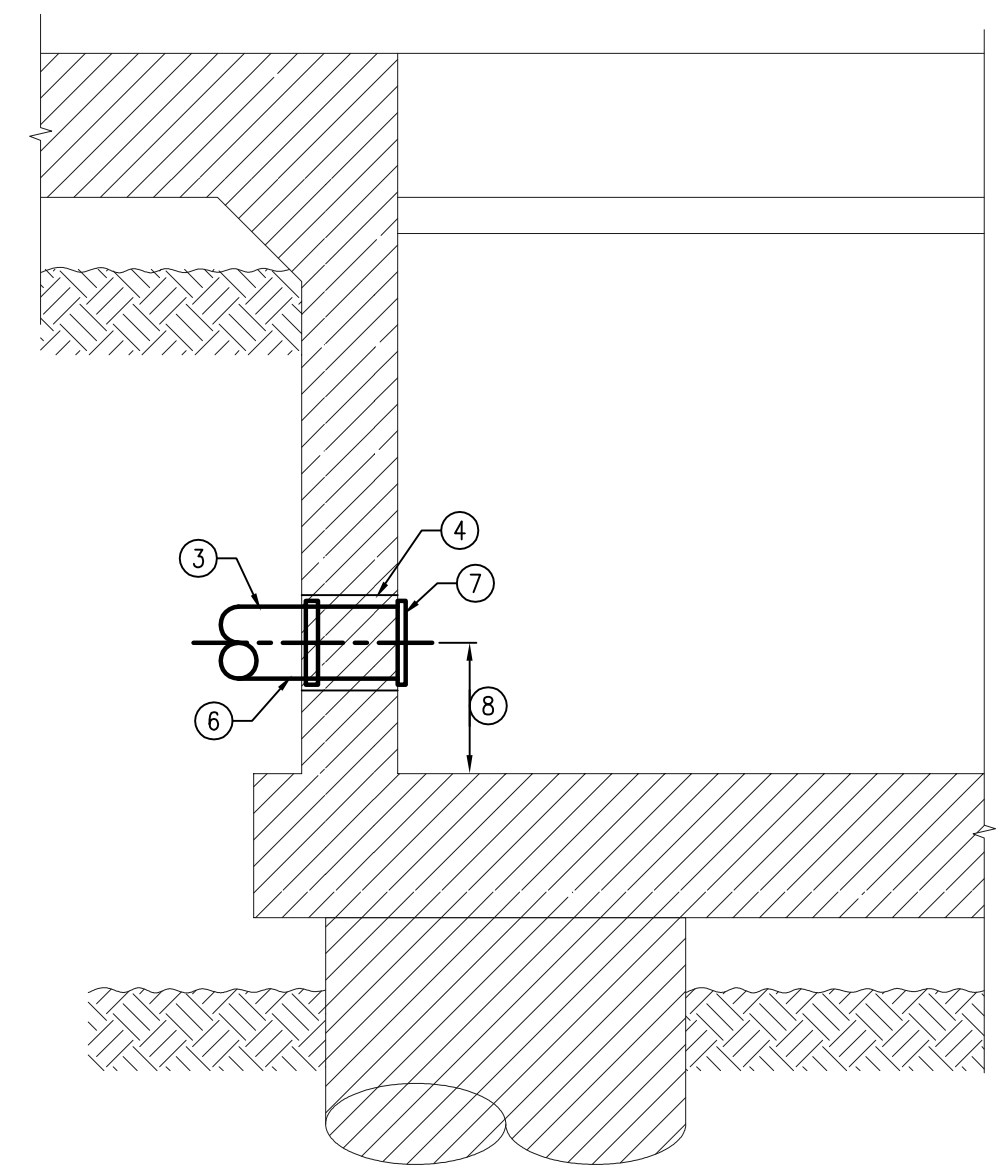


1 PARTIAL FLOOR PLAN
SCALE: 1/4"=1'-0"
ME-1



2 EXISTING SECTION
SCALE: 3/4"=1'-0"
ME-1



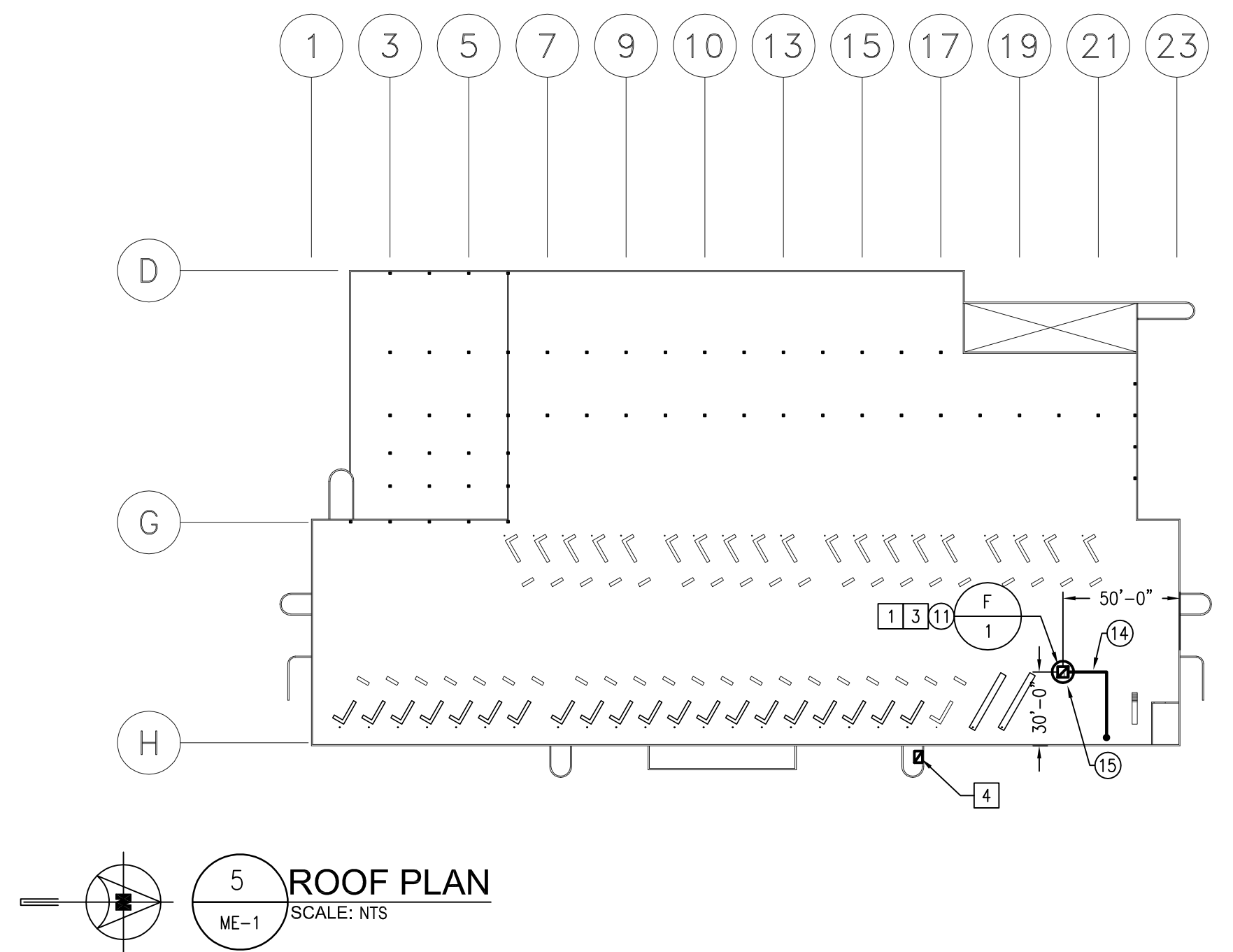
3 EXISTING SECTION
SCALE: 3/4"=1'-0"
ME-1

GENERAL NOTES

- A. DIVISION 22 MECHANICAL SHALL RETAIN A SPECIALIZED SUB-CONTRACTOR TO USE A TRENCHLESS METHOD TO PUSH A 60" PIPE (WHICH IS TO SERVE AS AN EXHAUST DUCT) BETWEEN THE SERVICE PIT AND THE BUILDING EXTERIOR WALL.
- B. ALL DIMENSIONS AND LOCATIONS SHOWN ON THIS DRAWING RELATIVE TO SLAB OPENING, PIT WALL OPENING, CLEARANCES FOR PUSHING MACHINE ETC., ARE APPROXIMATE ONLY AND SHALL BE VERIFIED BY DIVISION 22 MECHANICAL IN CONJUNCTION WITH ITS SPECIALIZED SUB-CONTRACTOR PRIOR TO BIDDING.
- C. ALL ROOF WORK BY DIVISION 3.

MECHANICAL DRAWING NOTES

- 1. EXISTING CAR SERVICE PIT.
- 2. OPENING IN STRUCTURAL SLAB BY DIVISION 3. DIVISION 22 MECHANICAL TO DIG OUT AN END PIT TO THE DEPTH OF THE SERVICE PIT FOR PIPE PUSHING ACCESS.
- 3. DIVISION 22 MECHANICAL TO EMPLOY A TRENCHLESS METHOD (AUGER AND PUSH) TO PUSH 60" DIAMETER 9000 PVC PIPE BETWEEN THE SERVICE PIT AND THE END PIT.
- 4. DIVISION 3 STRUCTURAL TO PROVIDE AN OPENING IN THE SERVICE PIT WALL AT APPROXIMATELY THIS LOCATION FOR TRENCHLESS PIPE PUSHING. APPROXIMATE WALL OPENING SIZE 12"L X 12"H. EXACT LOCATION TO BE DETERMINED ON SITE. AFTER PIPE INSTALLATION THE OPENING TO BE FILLED IN BY DIVISION 3.
- 5. APPROXIMATE CLEARANCE FOR PIPE PUSHING MACHINE.
- 6. 22 1/2 DEGREE ELBOW.
- 7. TERMINATE 6" PIPE AS CLOSE TO THE SERVICE PIT INNER WALL AS POSSIBLE. SHOP-FABRICATE AN EXPANDED METAL MESH INLET SCREEN C/W COLLAR, AND ATTACH TO THE END OF PIPE. EXHAUST VOLUME SHALL BE 150 CFM.
- 8. INSTALL THE PIPE CENTER AS CLOSE AS TO THE SERVICE PIT FLOOR AS PRACTICAL, BUT NO HIGHER THAN 12" ABOVE PIT FLOOR.
- 9. PROVIDE 90 DEGREE ELBOW AND EXTEND THE 6" PIPE ABOVE EXISTING FLOOR SLAB. THE PIPE SHALL EXIT THE FLOOR SLAB AS CLOSE TO THE EXTERIOR WALL AS PRACTICAL. EXTEND THE PIPE ABOVE SLAB AND TRANSITION TO 6" SPIRAL DUCT. RUN THE DUCT RISER UP TO THE LEVEL OF U/S OF ROOF TRUSSES. PROVIDE BALANCING DAMPER AT LOW LEVEL.
- 10. RUN THE 6" SPIRAL DUCT TO LOCATION OF EXISTING, ABANDONED ROOF PENETRATION. REFER TO DETAIL 5/ME-1. THE EXISTING ROOF PENETRATION TO BE OPENED AND PREPARED FOR DIVISION 23 USE BY DIVISION 03. THE APPROXIMATE OPENING SIZE IS 24"x24".
- 11. EXHAUST FAN INSTALLED AT ROOF LEVEL ON ROOF CURB. FAN CONTROLLED BY WALL SWITCH BY DIVISION 26. REFER TO DETAIL 4/ME-1.
- 12. PROVIDE A SIGN TO READ "SERVICE PIT EXHAUST FAN SHALL BE TURNED ON WHILE PERFORMING WORK INSIDE THIS PIT"
- 13. TRANSITION THE 6" DUCT INTO SIZE REQUIRED TO FIT F-1 ROOF CURB. PROVIDE DUCT INSULATION AS PER SPECIFICATIONS.
- 14. NEW EXHAUST DUCT INSIDE BUILDING AT U/S OF ROOF TRUSSES.
- 15. LOCATION OF EXISTING 24"x24" CAPPED OFF ROOF PENETRATION WHERE THE NEW F-1 IS TO BE LOCATED. DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED ON SITE.



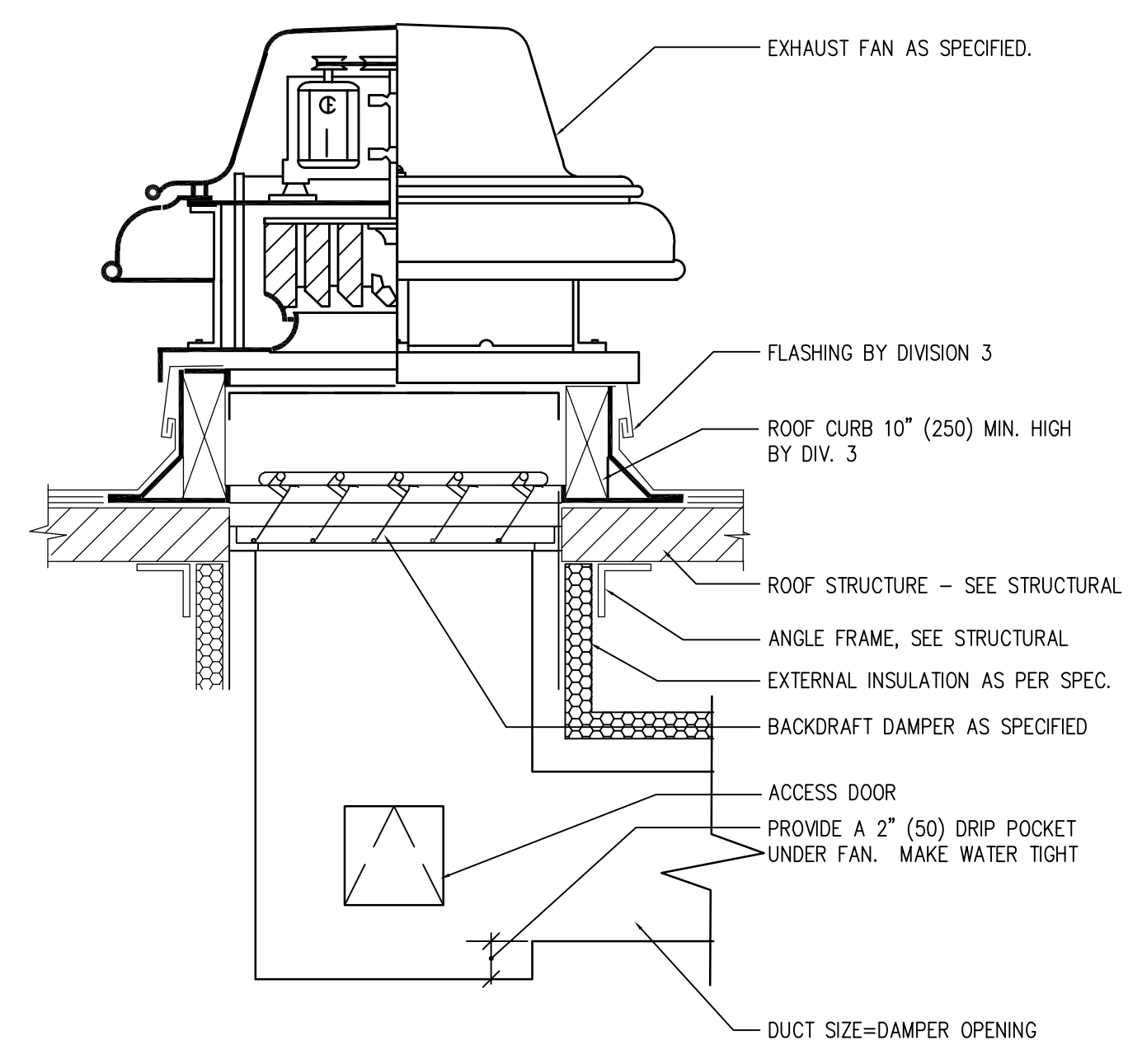
5 ROOF PLAN
SCALE: NTS
ME-1

ELECTRICAL DRAWING NOTES

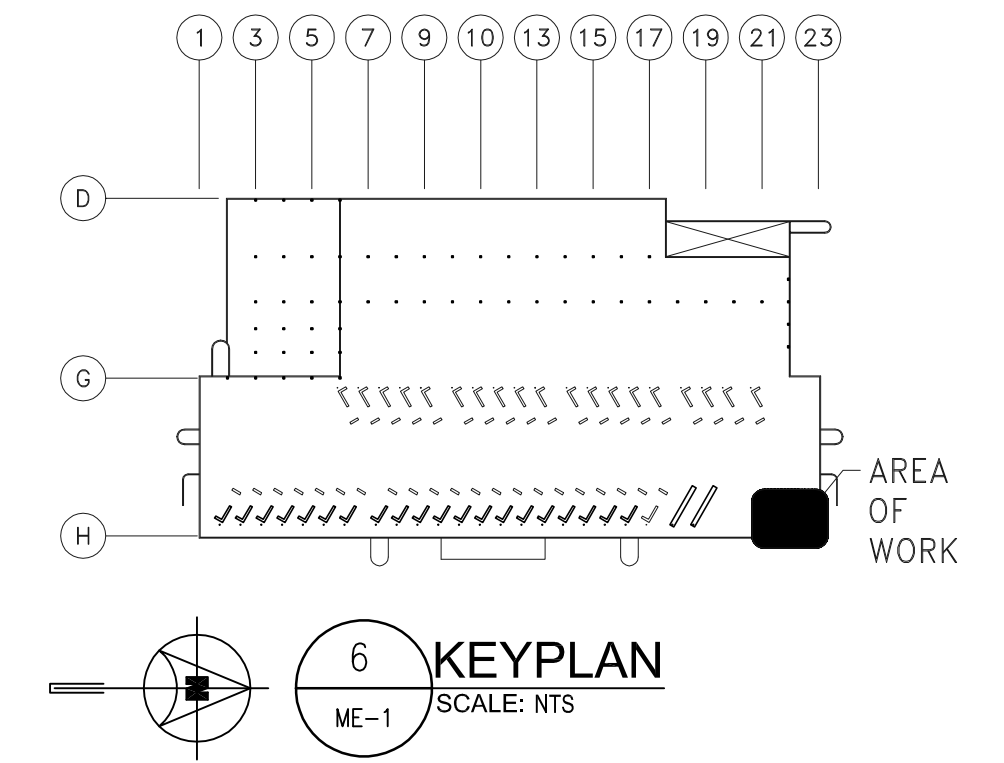
- 1. DIVISION 16 TO WIRE AND CONNECT 1/12 HP, 120V MECHANICAL FAN F-1 TO DEDICATED 15 AMP CIRCUIT IN EXISTING PANEL 'SE'. PROVIDE NEW BREAKER, WIRE WITH 2#12 IN CONDUIT AND UPDATE EXISTING PANEL DIRECTORY WITH NEW TYPED DIRECTORY.
- 2. SUPPLY AND INSTALL MANUAL STARTER COMPLETE WITH PILOT LIGHT ON SOUTH WALL COLUMN NEAR PIT. EXACT LOCATION TO BE CONFIRMED ON SITE.
- 3. PROVIDE DISCONNECT AT MOTOR.
- 4. PANEL "SE" LOCATED ON 2ND LEVEL ABOVE MEN'S WASHROOM.

EQUIPMENT SCHEDULE

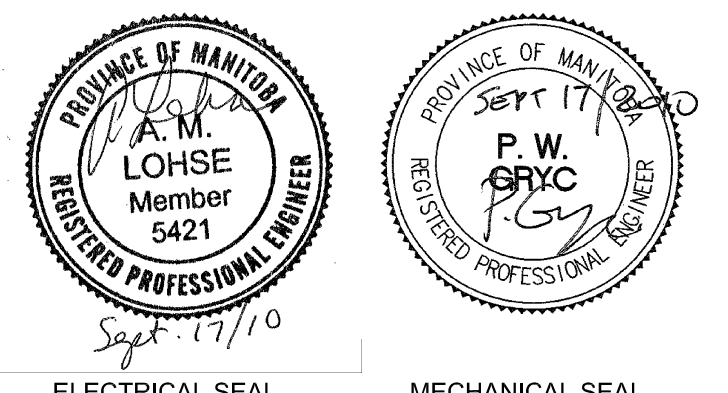
F-1 - DOME EXHAUST FAN, ALUMINUM CONSTRUCTION BI ALUMINUM WHEEL, BIRDSCREEN, WEATHER RESISTANT, CONTINUOUS DUTY MOTOR, BALL BEARINGS, AUTO RESET THERMAL OVERLOAD PROTECTION, 150 CFM AT 0.75" W.C. ESP., 1500 RPM, 1/2 HP, 120 V MOTOR, ELECTRONIC SPEED CONTROLLER, DISCONNECT SWITCH, INTEGRAL BACKDRAFT DAMPER IN FAN BASE. ACCEPTABLE PRODUCT: PENN BARRY DX10R



4 ROOF EXHAUST FAN
SCALE: NTS
ME-1



6 KEYPLAN
SCALE: NTS
ME-1



APEN
Certificate of Authorization
SMS Engineering Ltd.
No. 166 Expiry: April 30, 2011

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1	23 JULY 2010	ISSUED FOR REVIEW	PWG

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Sheet Title
MECHANICAL/ELECTRICAL - PART FLOOR PLAN, SECTIONS

Sheet No.
ME-1

Design	Drawn	Checked	Scale	Date	File
PG	RNS	PG/AML	AS NOTED	SEPT. 2010	10-078-01