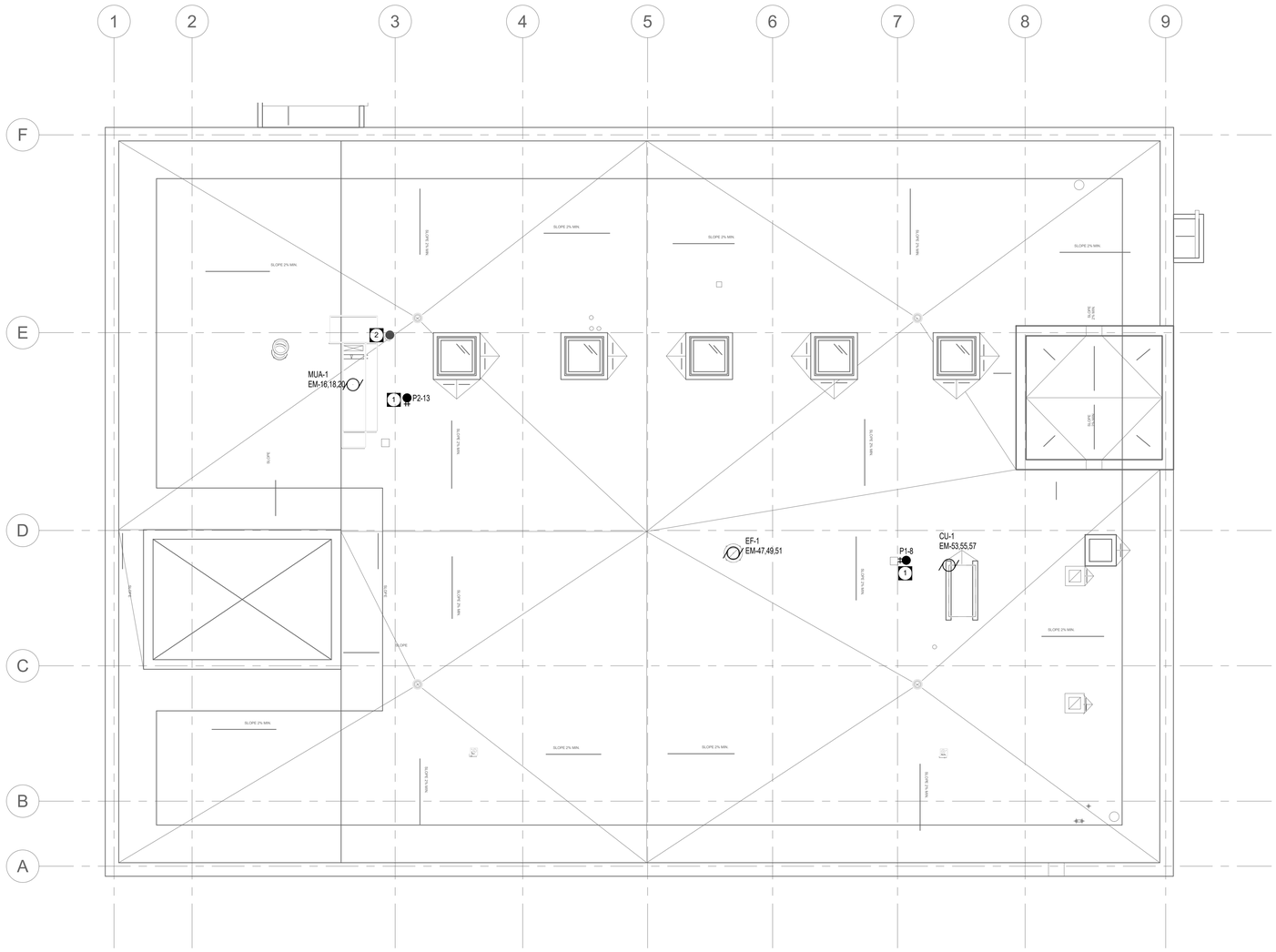

1 / EP2.3 ROOF PLAN - POWER
SCALE: 1 : 100

KEY NOTES

1 EXTERIOR MAINTENANCE RECEPTACLE TO SUIT REQUIREMENTS OF CEC 2-316 AND 26-710. REFER TO ROOF MOUNTED RECEPTACLE DETAIL(S). REFER TO ELECTRICAL PENETRATIONS THROUGH ROOF DETAIL(S).

2 PROVIDE 21MM EMT CONDUIT FROM RADIO SYSTEM HEAD END EQUIPMENT IN FLOOR WATCH TO ROOF ANTENNA LOCATION COMPLETE WITH EXTERIOR WEATHERPROOF GOOSE NECK ENTRANCE POINT. ANTENNA LOCATION TO BE COORDINATED WITH OWNER ON SITE. INSTALL ANTENNA CABLE AND MOUNT AS PROVIDED BY OWNER. TERMINATIONS AND ANTENNA INSTALLATION BY OWNER.

GENERAL NOTES

A. EXPOSED WIRING SHALL NOT BE PERMITTED. WIRING SHALL BE RECESSED IN WALL OR CONCEALED IN CONDUIT ROUTED THROUGH WALL ASSEMBLY.

B. WHERE CONNECTED TO A 20A. BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A.

C. FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT SHALL BE FLEXIBLE. CONFIRM FINAL CIRCUIT BREAKER AND WIRE SIZE WITH MECHANICAL EQUIPMENT SHOP DRAWINGS. ADJUST CIRCUIT BREAKER AND WIRE SIZE AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER.

D. UNLESS NOTED OTHERWISE, THE CIRCUITING INDICATED ON THE DRAWINGS IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING REQUIREMENTS ON SITE.

E. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING AND VOLTAGE DROP REQUIREMENTS, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

F. MINIMUM CONDUIT SIZE SHALL BE 21mm (3/4") UNLESS NOTED OTHERWISE.

G. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT/LINE.

H. EMPTY CONDUIT SHALL BE C/W PULL WIRE AND PLASTIC BUSHINGS.

I. ALL CONDUCTORS OPERATING AT 50 VOLTS OR GREATER SHALL BE IN RACEWAY. ALL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SLAB SHALL BE METAL RACEWAY BELOW THE FLOOR SLAB AND UNDERGROUND RACEWAY OUTSIDE THE STRUCTURE SHALL BE PVC.

J. ALL LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN METAL RACEWAY WHERE INSTALLED WITHIN WALLS OR INACCESSIBLE SPACES. LOW VOLTAGE CABLES MAY BE RUN IN CABLE TRAY WHERE NOTED. LOW VOLTAGE CABLES MAY BE RUN IN CABLE SUPPORT HOOKS ABOVE ACCESSIBLE CEILINGS WHERE NOTED.

K. INSTALL CONDUIT WITH NO MORE THAN TWO (2) 90° BENDS BETWEEN PULL BOXES, AND NO MORE THAN 30m (100'-0") BETWEEN PULL BOXES. PULL BOXES SHALL BE INSTALLED FOR STRAIGHT THRU PULLS ONLY.

L. ELECTRICAL CONTRACTOR SHALL COORDINATE QUANTITIES AND LOCATIONS OF ALL FLOW SWITCHES AND SUPERVISED VALVES REQUIRING CONNECTION TO FIRE ALARM SYSTEM WITH SPRINKLER CONTRACTOR.

M. PROVIDE RE-VERIFICATION OF FIRE ALARM SYSTEM FOR ALL NEW AND MODIFIED DEVICES.

N. REFER TO FIRE ALARM RISER DIAGRAM AND ZONE SCHEDULE FOR INITIATING ZONES AND SIGNAL CIRCUITS.

O. ALL CIRCUIT BREAKERS FEEDING ALL LIFE SAFETY SYSTEMS AND DEVICES INCLUDING BUT NOT LIMITED TO ELEVATORS AND FIRE PUMP SHALL BE ELECTRONIC BREAKERS WITH ADJUSTABLE LSI ELEMENTS.

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Member
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REGISTERED PROFESSIONAL ENGINEER

Project
WFPS STATION 9
1083 AUTUMNWOOD DRIVE

Sheet Title
ROOF - POWER PLAN

Project No. 22028
Sheet EP2.3