



A TENANT IMPROVEMENT FOR
COLOSSEUM 3

8700 N. 91ST AVE.
SUITE 100-110
PEORIA
ARIZONA
85345

DATE
1ST CITY SUBMITTAL
07-19-2024

DRAWN BY: BC & RL
OWNERSHIP OF DOCUMENTS:
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DISCREPANCIES AND CONFLICTS:
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OVERALL REFLECTED
CEILING PLAN

Project:24011
A3.1

GENERAL NOTES

- REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ALL EQUIPMENT LOCATIONS, DIMENSIONS, AND OTHER REQUIREMENTS.
- WEIGHT DISTRIBUTION AND CODE COMPLIANCE FOR ALL ROOF MOUNTED EQUIPMENT TO BE VERIFIED BY CONTRACTOR PRIOR TO ROUGH-IN.
- FOR CEILING MOUNTED SMOKE DETECTORS SEE ELECTRICAL DRAWINGS.
- ROUT CEILING PANELS AT CUT EDGES TO FIT LEVEL IN GRID.
- AT ALL A/C SPACES, PROVIDE FIBER BATT THERMAL INSULATION WIRE TIED TO UndERSIDE OF ROOF DECK. R-VALUE PER THERMAL INSULATION SCHEDULE (SHEET A0.2)
- ALL CEILING/SOFFIT HEIGHTS ARE NOTED TO BE ABOVE FINISHED FLOOR.
- COORDINATE FRAMING AT EXTERIOR SOFFIT AREAS WITH RECESSED DOWNLIGHTS, SPRINKLER HEADS AND VENTS.

DRAWING LEGEND

	2' X 2' SUSPENDED LAY-IN CEILING ARMSTRONG DUNE TEGULAR 9/16 WHITE
	2' X 4' SUSPENDED LAY-IN CEILING ARMSTRONG DUNE SECOND LOOK TEGULAR 9/16 WHITE
	5/8" GYP. BOARD CEILING
	ELECTRICAL SYMBOLS. REFER TO ELECTRICAL DRAWINGS
	MECHANICAL SYMBOLS. REFER TO MECHANICAL DRAWINGS
	HVAC UNIT. REFER TO MECHANICAL DRAWINGS

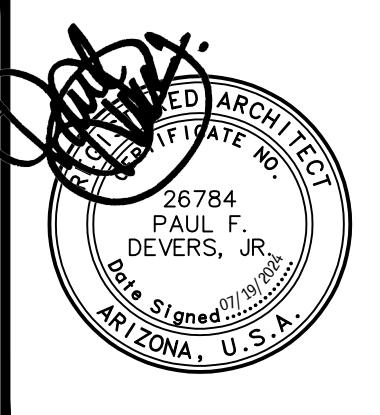
SHEET KEYNOTES

- EXISTING STEEL JOIST, TYP. - SEE STRUCTURAL DRAWINGS
- EXISTING STEEL JOIST GIRDER - SEE STRUCTURAL DRAWINGS
- NEW GYP. BD. CEILING - SEE REFLECTED CEILING AND DETAIL SHEETS
- MECHANICAL UNIT ON ROOF, TYP. - SEE MECHANICAL DRAWINGS
- ROOF CONDENSING UNIT - SEE MECHANICAL DRAWINGS
- NEW CEILING TILE AND GRID
- EXISTING CANOPY FRAMING TO REMAIN, TYP.

OVERALL REFLECTED CEILING PLAN - FIRST FLOOR
1/16" = 1'-0"

GENERAL NOTES

1. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ALL EQUIPMENT LOCATIONS, DIMENSIONS, AND OTHER REQUIREMENTS.
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4. ROUT CEILING PANELS AT CUT EDGES TO FIT LEVEL IN GRID.
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6. ALL CEILING/SOFFIT HEIGHTS ARE NOTED TO BE ABOVE FINISHED FLOOR.
7. COORDINATE FRAMING AT EXTERIOR SOFFIT AREAS WITH RECESSED DOWNLIGHTS, SPRINKLER HEADS AND VENTS.



DRAWING LEGEND

	2' X 2' SUSPENDED LAY-IN CEILING ARMSTRONG DUNE REGULAR 9/16 WHITE
	2' X 4' SUSPENDED LAY-IN CEILING ARMSTRONG DUNE SECOND LOOK REGULAR 9/16 WHITE
	5/8" GYP. BOARD CEILING
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	MECHANICAL SYMBOLS, REFER TO MECHANICAL DRAWINGS
	HVAC UNIT, REFER TO MECHANICAL DRAWINGS

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- ⑤ ROOF CONDENSING UNIT - SEE MECHANICAL DRAWINGS
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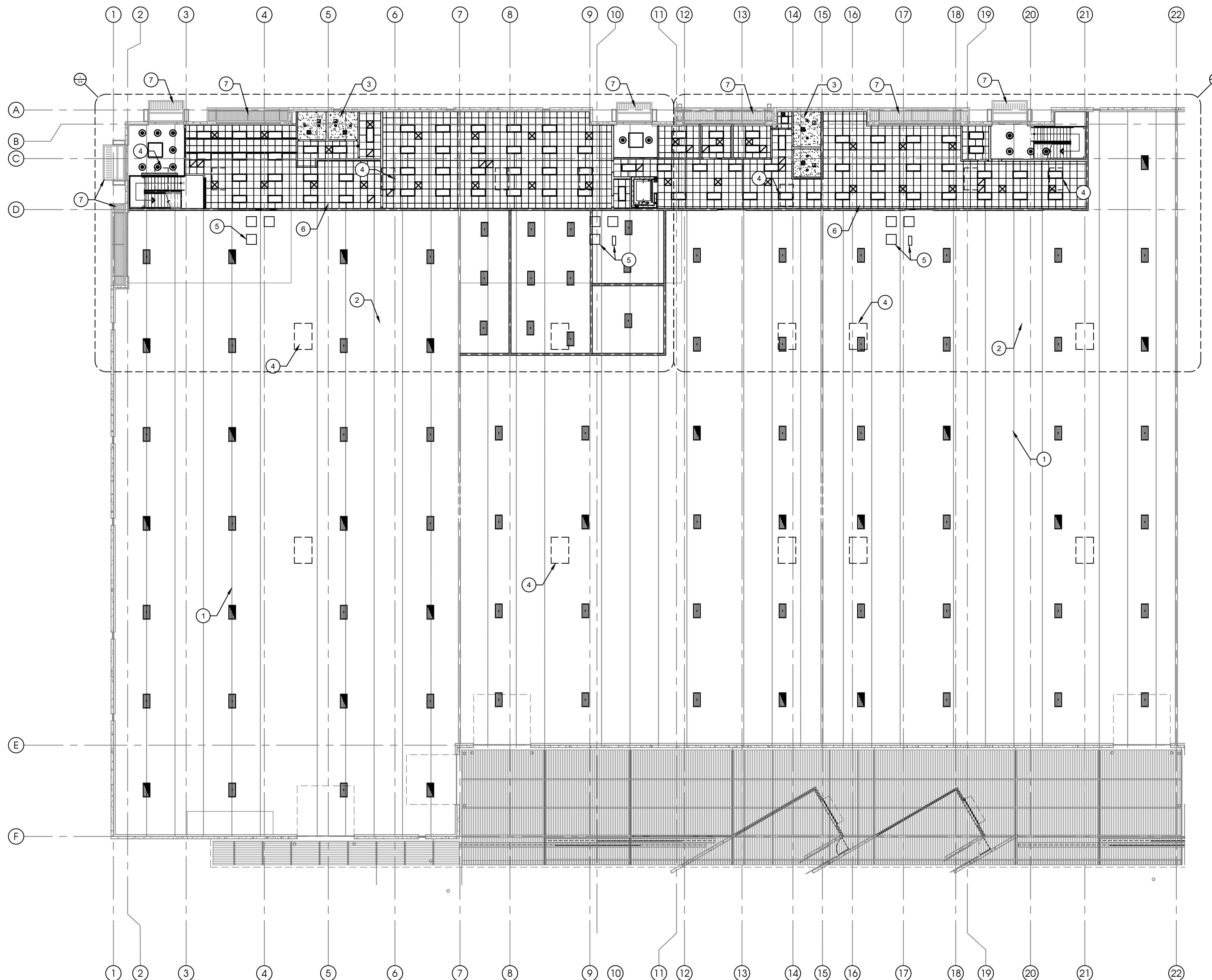
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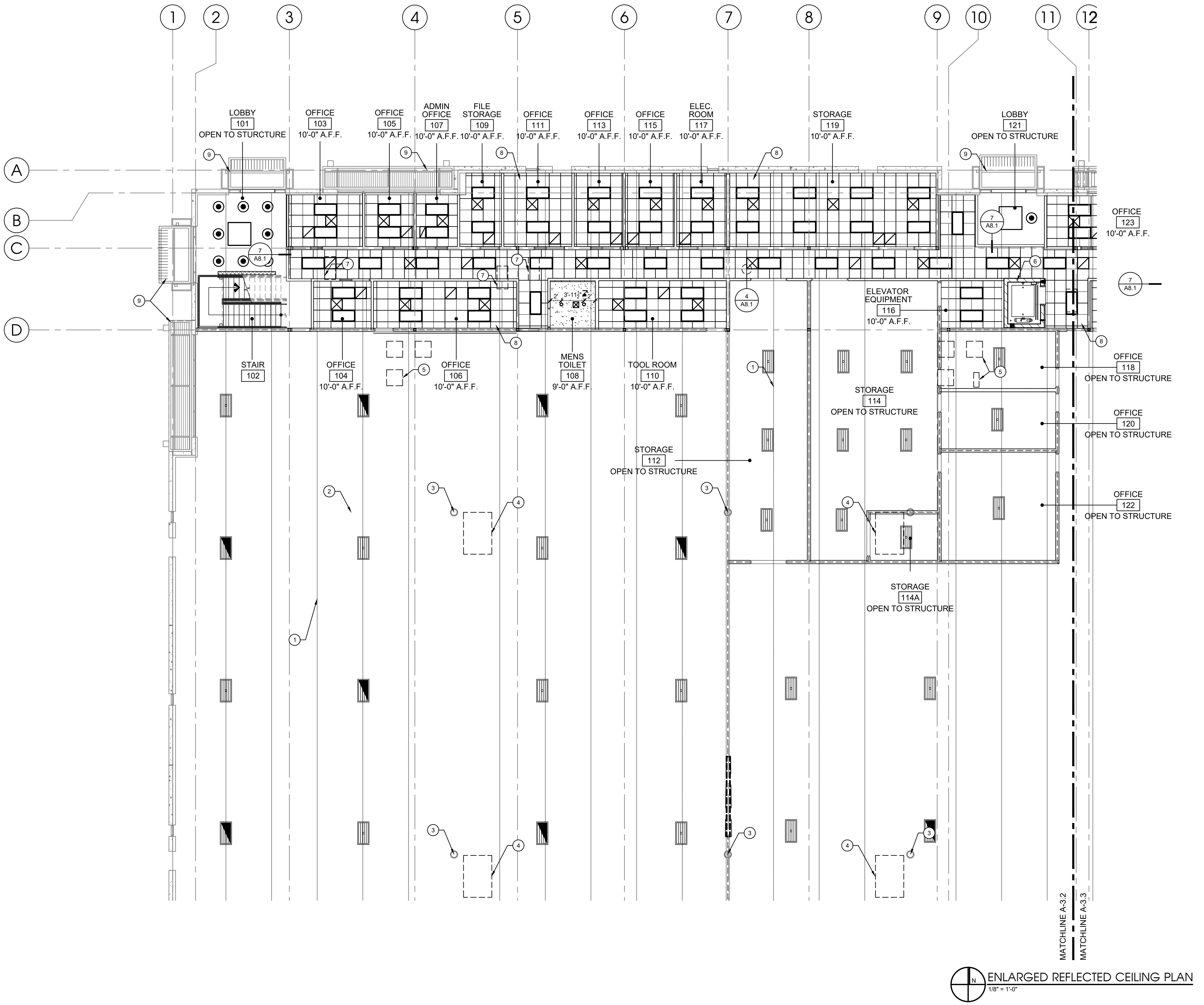
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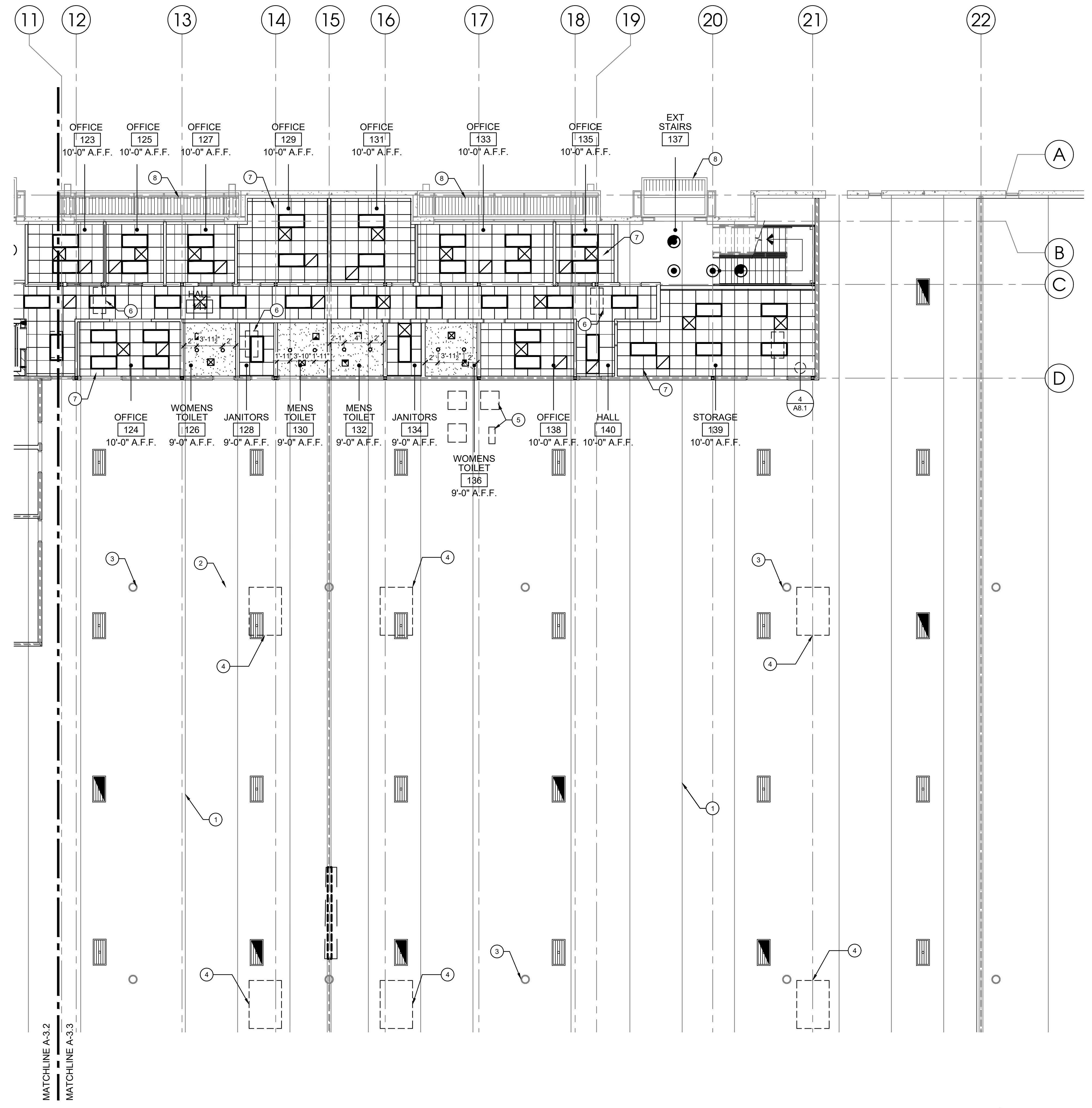
OVERALL REFLECTED
CEILING PLAN - MEZZANINE

Project:24011 A3.2



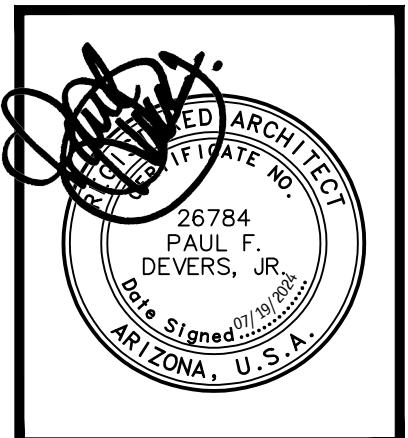
OVERALL REFLECTED CEILING PLAN - MEZZANINE
1/16" = 1'-0"





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DRAWING LEGEND

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	5/8" GYP. BOARD CEILING
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	MECHANICAL SYMBOLS, REFER TO MECHANICAL DRAWINGS
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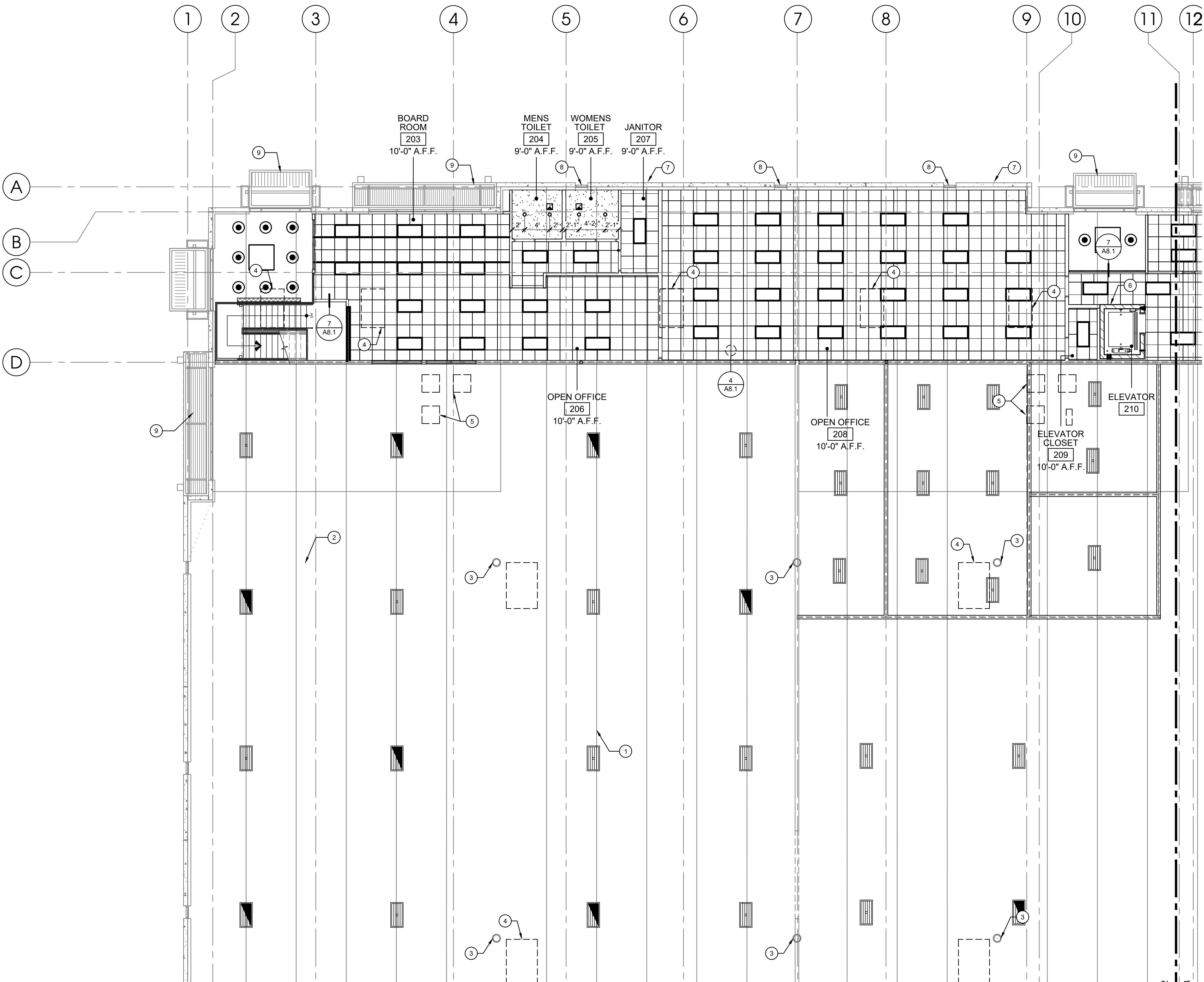
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ENLARGED REFLECTED
CEILING PLAN

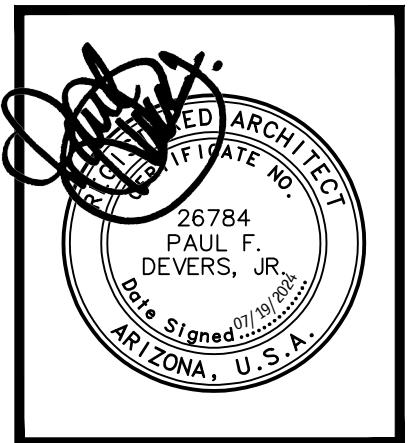
ENLARGED REFLECTED CEILING PLAN
1/8" = 1'-0"

Project:24011
A3.4



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- EXISTING STEEL JOIST GIRDER - SEE STRUCTURAL DRAWINGS
- EXISTING STRUCTURAL COLUMN, TO REMAIN
- MECHANICAL UNIT ON ROOF, TYP. - SEE MECHANICAL DRAWINGS
- ROOF CONDENSING UNIT - SEE MECHANICAL DRAWINGS
- ELEVATOR PENTHOUSE - SEE ELEVATOR SHEET AND STRUCTURAL DRAWINGS
- EXISTING ROOF DRAIN LEADERS, TYP. - G.C. TO VERIFY LOCATION
- CLERESTORY WINDOW SYSTEM - SEE WINDOW ELEVATIONS
- EXISTING CANOPY FRAMING TO REMAIN, TYP.

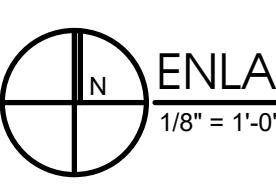
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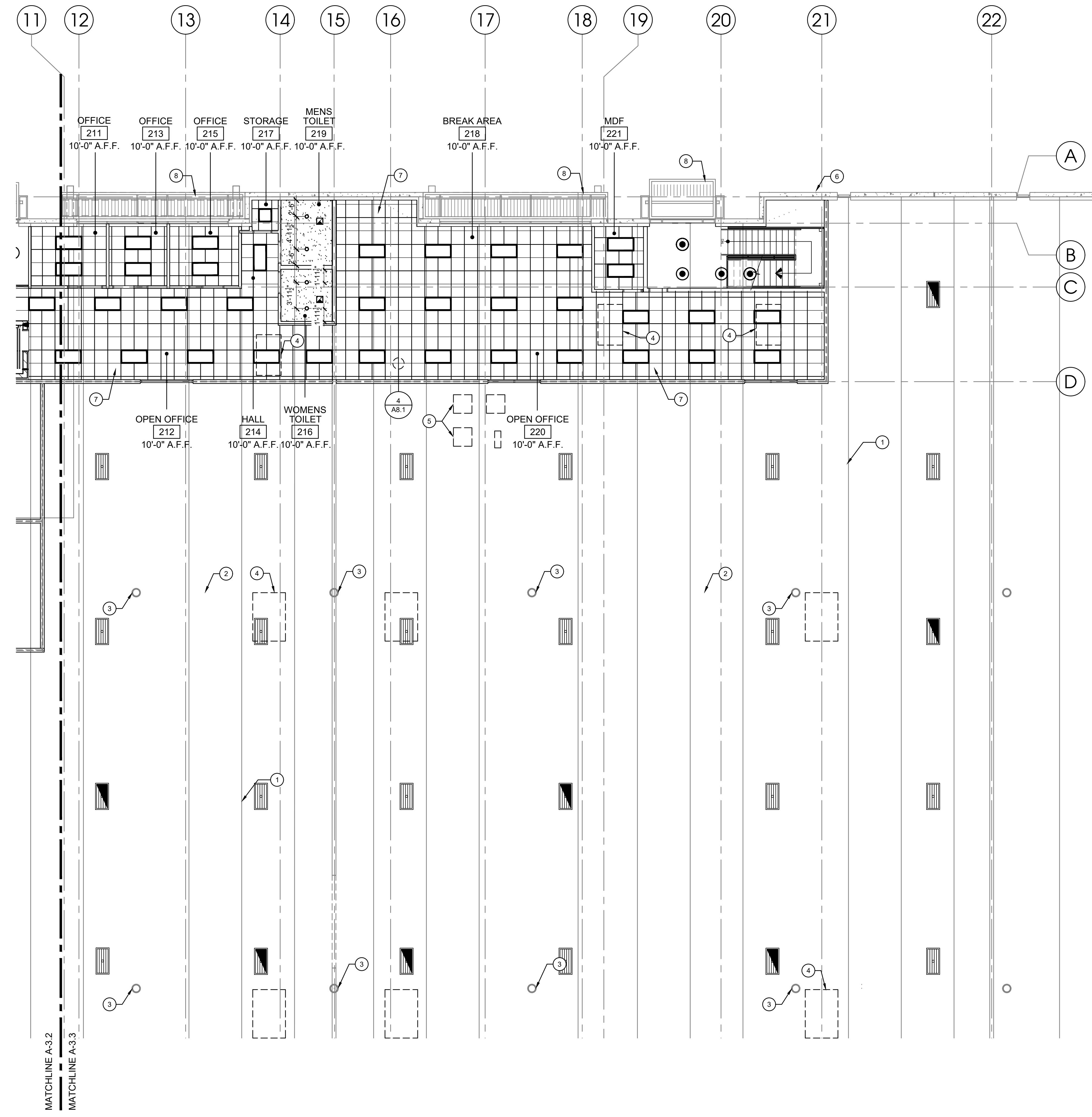
ENLARGED REFLECTED
CEILING PLAN - MEZZANINE

MATCHLINE A-3.2
MATCHLINE A-3.3



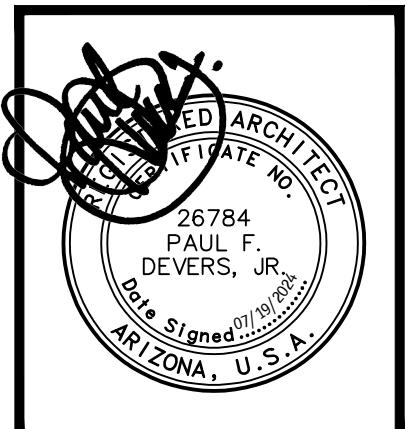
ENLARGED REFLECTED CEILING PLAN - MEZZANINE

Project:24011
A3.5



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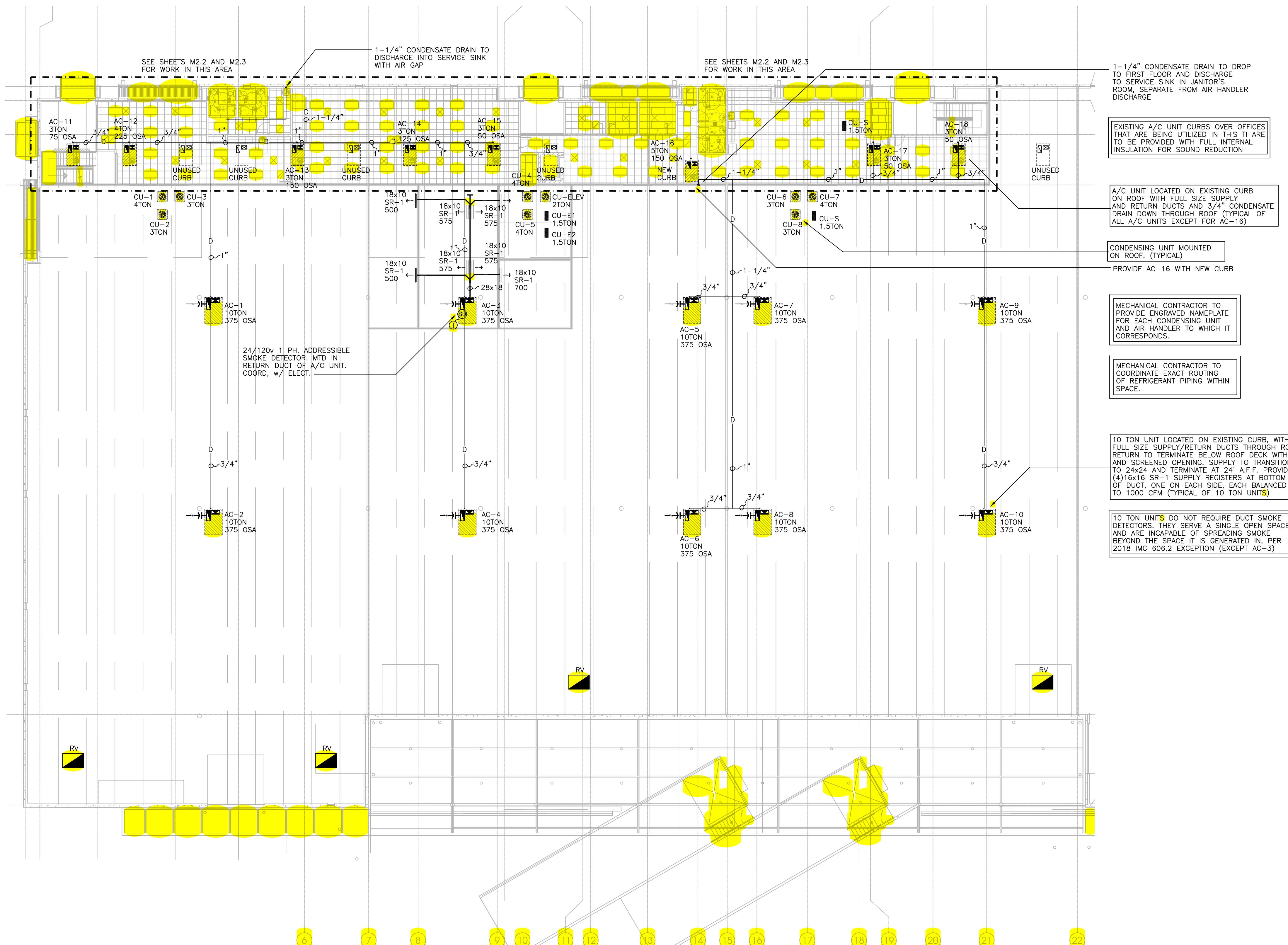
- (1) STEEL JOIST, TYP. - SEE STRUCTURAL DRAWINGS
- (2) STEEL JOIST GIRDER - SEE STRUCTURAL DRAWINGS
- (3) EXISTING STRUCTURAL COLUMN, TO REMAIN
- (4) MECHANICAL UNIT ON ROOF, TYP. - SEE MECHANICAL DRAWINGS
- (5) ROOF CONDENSING UNIT - SEE MECHANICAL DRAWINGS
- (6) EXISTING ROOF DRAIN LEADERS, TYP. - G.C. TO VERIFY LOCATION
- (7) NEW CEILING TILE AND GRID
- (8) EXISTING CANOPY FRAMING TO REMAIN, TYP.

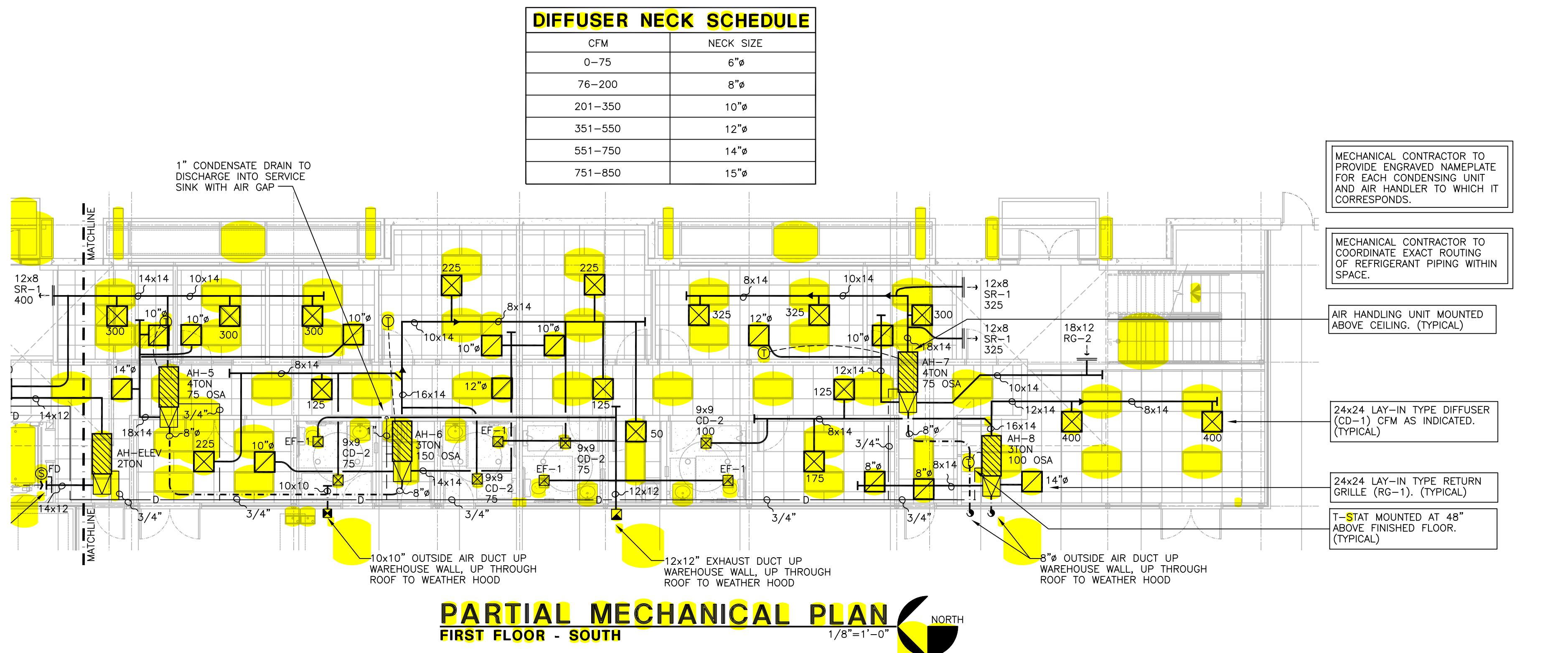
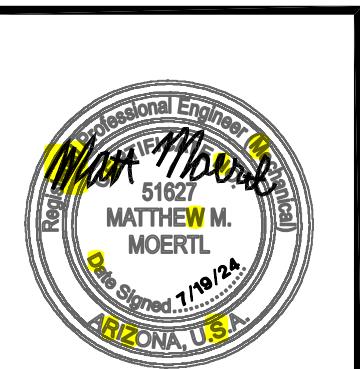
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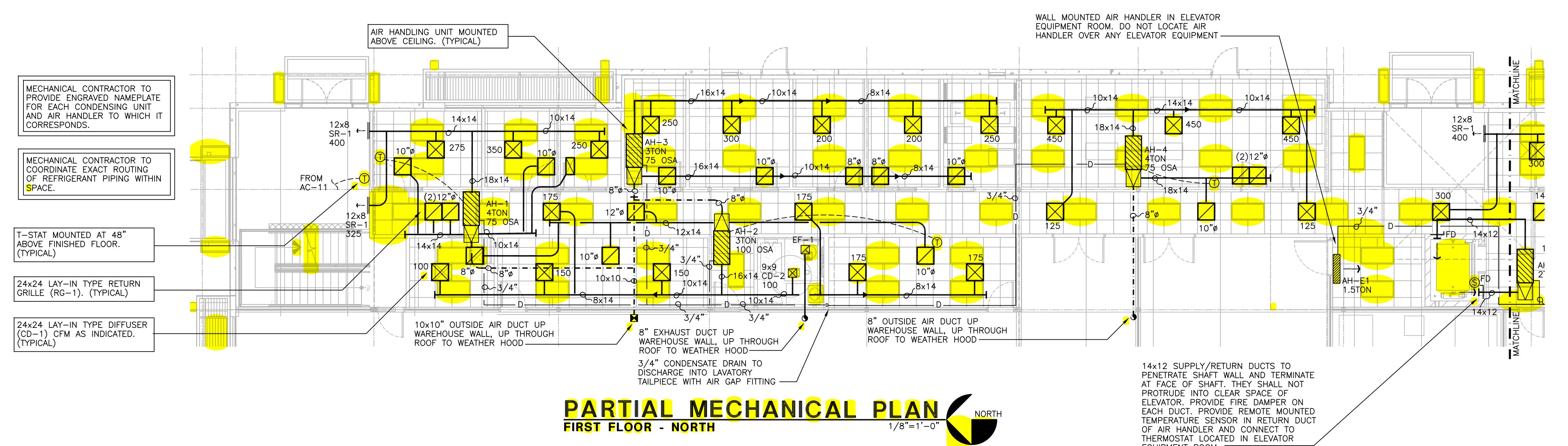
ENLARGED REFLECTED
CEILING PLAN - MEZZANINE





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DRAWN BY: MMM
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ENLARGED MECHANICAL PLANS - FIRST FLOOR

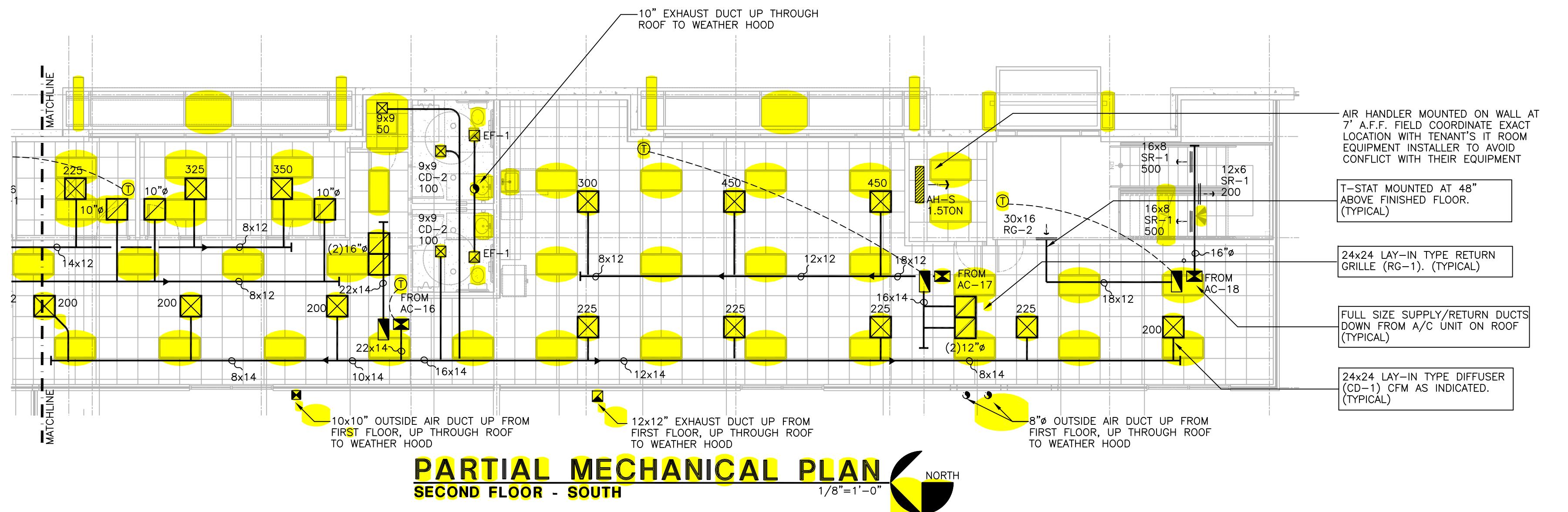
Project 24011P
M2.2
7227 N. 16th Street, Suite 200, Phoenix, AZ 85020
Job No. 2020
Mechanica Consulting Engineers Phone (602) 943-6608
Fax (602) 943-6181
Web: MechDesigns.com



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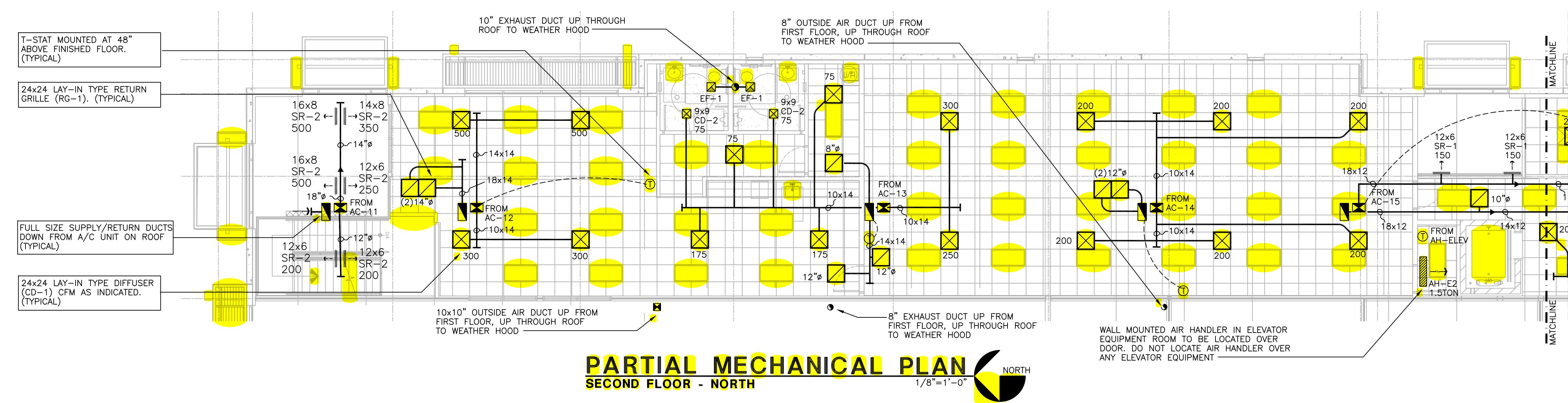
DIFFUSER NECK SCHEDULE

CFM	NECK SIZE
0-75	6"Ø
76-200	8"Ø
201-350	10"Ø
351-550	12"Ø
551-750	14"Ø
751-850	15"Ø



DATE

1ST CITY SUBMITTAL
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DRAWN BY: MMM

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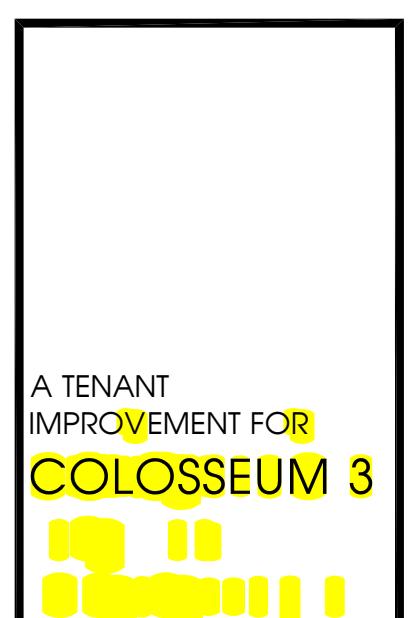
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ENLARGED MECHANICAL
PLANS - SECOND FLOOR

Project 24011

M2.3



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MECHANICAL NOTES



2018 IECC COMPLIANCE REPORT - MECHANICAL							
MECHANICAL SYSTEMS LIST AND REQUIREMENTS							
ROOFTOP PACKAGE HEAT PUMP							
TONNAGE	HEATING CAPACITY	ECONOMIZER?	COOLING EFFICIENCY REQ/PROV	HEATING EFFICIENCY REQ/PROV			
3.0	36 kBtu/hr	NO	14.0 SEER REQ/14.3 SEER PROV	7.7 HSPF REQ/7.7 HSPF PROV			
4.0	48 kBtu/hr	NO	14.0 SEER REQ/14.3 SEER PROV	7.7 HSPF REQ/7.7 HSPF PROV			
4.0	36 kBtu/hr	NO	14.0 SEER REQ/14.0 SEER PROV	7.7 HSPF REQ/7.7 HSPF PROV			
10.0	120 kBtu/hr	YES	11.0 SEER REQ/12.0 SEER PROV	3.3 COP REQ/3.3 COP PROV			
<input checked="" type="checkbox"/> INTEGRATED AIR ECONOMIZER IS REQUIRED FOR INDIVIDUAL COOLING SYSTEMS AND ALLOWS MODULATION OF OUTDOOR AIR AND RETURN AIR DAMPERS TO PROVIDE UP TO 100% OF THE DESIGN SUPPLY AIR QUANTITY AS OUTDOOR AIR FOR COOLING. ALL AIR ECONOMIZERS SHALL BE CAPABLE OF AUTOMATICALLY REDUCING OUTDOOR AIR INTAKE TO THE DESIGN MINIMUM OUTDOOR AIR QUANTITY WHEN OUTDOOR AIR INTAKE WILL NO LONGER REDUCE COOLING ENERGY USAGE.							
<input type="checkbox"/> AIR ECONOMIZER DAMPERS CAN BE SEQUENCED WITH THE COOLING EQUIPMENT AND NOT CONTROLLED EXCLUSIVELY BY MIXED AIR TEMPERATURE EXCEPTION(S):							
<input checked="" type="checkbox"/> SYSTEM CONTROLLED FROM SPACE TEMPERATURE (SUCH AS SINGLE-ZONE SYSTEMS)							
<input type="checkbox"/> COOLING SYSTEM PROVIDES A MEANS TO EXHALE EXCESS OUTDOOR AIR DURING ECONOMIZER OPERATION (BAROMETRIC DAMPER OR POWER EXHAUST)							
SPLIT SYSTEM HEAT PUMP							
TONNAGE	HEATING CAPACITY	ECONOMIZER?	COOLING EFFICIENCY REQ/PROV	HEATING EFFICIENCY REQ/PROV			
1.5	18 kBtu/hr	NO	14.0 SEER REQ/20.0 SEER PROV	7.7 HSPF REQ/7.7 HSPF PROV			
2.0	24 kBtu/hr	NO	14.0 SEER REQ/14.0 SEER PROV	7.7 HSPF REQ/7.7 HSPF PROV			
3.0	36 kBtu/hr	NO	14.0 SEER REQ/14.0 SEER PROV	7.7 HSPF REQ/7.7 HSPF PROV			
4.0	48 kBtu/hr	NO	14.0 SEER REQ/14.0 SEER PROV	7.7 HSPF REQ/7.7 HSPF PROV			
5.0	53 kBtu/hr	NO	14.0 SEER REQ/14.0 SEER PROV	7.7 HSPF REQ/7.7 HSPF PROV			
GENERIC REQUIREMENTS							
<input type="checkbox"/> PLANT EQUIPMENT AND SYSTEM CAPACITY NO GREATER THAN NEEDED TO MEET LOADS							
<input type="checkbox"/> STANDBY EQUIPMENT AUTOMATICALLY OFF WHEN PRIMARY SYSTEM IS OPERATING							
<input type="checkbox"/> MULTIPLE UNITS CONTROLLED TO SEQUENCE OPERATION AS A FUNCTION OF LOAD							
<input type="checkbox"/> MINIMUM ONE TEMPERATE CONTROL DEVICE PER SYSTEM							
<input type="checkbox"/> MINIMUM ONE HUMIDITY CONTROL DEVICE PER INSTALLED HUMIDIFICATION/DEHUMIDIFICATION SYSTEM							
<input type="checkbox"/> LOAD CALCULATIONS PER ASHRAE/ACCA STANDARD 183							
<input type="checkbox"/> AUTOMATIC CONTROLS: SETBACK TO 55°F (HEAT) AND 85°F (COOL)/7-DAY CLOCK/2-HR OCCUPANT OVERRIDE/10-HR BACKUP EXCEPTION(S):							
<input type="checkbox"/> CONTINUOUSLY OPERATING ZONES							
<input type="checkbox"/> 2 KW DEMAND OR LESS (SUBMIT CALCULATIONS)							
<input type="checkbox"/> AUTOMATIC START CONTROLS THAT CAN AUTOMATICALLY ADJUST THE DAILY START TIME OF THE HVAC SYSTEM ARE PROVIDED FOR EACH SYSTEM							
<input type="checkbox"/> OUTSIDE AIR SOURCE FOR VENTILATION; SYSTEM CAPABLE OF REDUCING OSA TO REQUIRED MINIMUM							
<input type="checkbox"/> R-6 SUPPLY/RETURN AIR DUCT INSULATION IN UNCONDITIONED SPACES							
<input type="checkbox"/> R-8 SUPPLY/RETURN DUCT INSULATION OUTSIDE THE BUILDING							
<input type="checkbox"/> R-8 INSULATION BETWEEN DUCTS AND THE BUILDING EXTERIOR WHERE DUCTS ARE PART OF THE BUILDING ASSEMBLY EXCEPTION(S):							
<input type="checkbox"/> DUCTS LOCATED WITHIN EQUIPMENT							
<input type="checkbox"/> DUCTS WITH INTERIOR AND EXTERIOR TEMPERATURE DIFFERENCE NOT EXCEEDING 15°F (I.E., EXPOSED DUCTWORK)							
<input type="checkbox"/> DUCTS SEALED - LONGITUDINAL SEAMS ON RIGID DUCTS/TRANSVERSE SEAMS ON ALL DUCTS/UL 181A OR 181B TAPES AND MASTICS							
<input type="checkbox"/> OPERATION AND MAINTENANCE MANUAL PROVIDED TO BUILDING OWNER (WILL BE PROVIDED BY CONTRACTOR)							
<input type="checkbox"/> DEMAND CONTROL VENTILATION (DCV) PROVIDED FOR HIGH DESIGN OCCUPANCY AREAS (>25 PERSON PER 1000 SQ.FT. IN SPACES >500 SQ.FT.) AND SERVED BY SYSTEMS WITH ANY ONE OF:							
1) AN AIR SIDE ECONOMIZER 2) AUTOMATIC MODULATING CONTROL OF THE OUTDOOR AIR DAMPER 3) AN AUTOMATIC OUTDOOR AIRFLOW GREATER THAN 3000 CFM EXCEPTION(S):							
<input type="checkbox"/> SYSTEMS WITH HEAT RECOVERY							
<input type="checkbox"/> MULTIPLE-ZONE SYSTEMS WITHOUT DOC OF INDIVIDUAL ZONES COMMUNICATING WITH A CENTRAL CONTROL PANEL							
<input type="checkbox"/> SYSTEMS WITH A DESIGN OUTDOOR AIRFLOW LESS THAN 1200 CFM							
<input type="checkbox"/> SPACES WHERE THE SUPPLY AIRFLOW RATE MINUS ANY MAKEUP OR OUTGOING TRANSFER AIR REQUIREMENT IS LESS THAN 1200 CFM							
<input type="checkbox"/> VENTILATION FOR PROCESS LOADS ONLY							
<input type="checkbox"/> AUTOMATIC CONTROLS FOR FREEZE PROTECTION SYSTEMS PRESENT							
<input type="checkbox"/> EACH FAN SYSTEM HAS AN ENERGY RECOVERY SYSTEM WHEN ONE OF THE FOLLOWING CONDITIONS ARE MET: 50% POA < 60% AND DAF ≥ 26000 CFM 60% POA < 60% AND DAF ≥ 12000 CFM 70% POA < 60% AND DAF ≥ 5000 CFM WHERE POA = PERCENT OUTDOOR AIR AT FULL DESIGN AIRFLOW RATE AND DAF = DESIGN SUPPLY AIRFLOW RATE EXCEPTION(S):							
<input type="checkbox"/> LABORATORY FUME HOOD SYSTEMS WITH A TOTAL EXHAUST RATE ≤ 5000 CFM							
<input type="checkbox"/> SYSTEMS SERVING SPACES THAT ARE NOT COOLED AND HEATED TO < 60°F							
<input type="checkbox"/> SYSTEMS WITH MORE THAN 60% OF THE OUTDOOR HEATING ENERGY PROVIDED FROM SITE-RECOVERED OR SITE SOLAR ENERGY							
<input type="checkbox"/> SYSTEMS EXHAUSTING TOXIC, FLAMMABLE, PAINT OR CORROSIVE GASES OR DUST							
<input type="checkbox"/> SYSTEMS EXPECTED TO OPERATE < 20 HOURS PER WEEK OUTDOOR AIR PERCENTAGE ≥ 30%							
<input type="checkbox"/> WHERE THE LARGEST EXHAUST SOURCE IS LESS THAN 75% OF THE DESIGN OUTDOOR AIRFLOW							
<input type="checkbox"/> MECHANICAL SYSTEMS SHALL MEET COMMISSIONING AND COMPLETION REQUIREMENTS IN SECTION C408.2							
COMPLIANCE STATEMENT:							
THE PROPOSED MECHANICAL DESIGN REPRESENTED IN THIS DOCUMENT IS CONSISTENT WITH THE BUILDING PLANS, SPECIFICATIONS AND OTHER CALCULATIONS SUBMITTED WITH THIS PERMIT APPLICATION. THE PROPOSED MECHANICAL SYSTEMS HAVE BEEN DESIGNED TO MEET THE 2018 IECC AND TO COMPLY WITH THE MANDATORY REQUIREMENTS IN THE REQUIREMENTS CHECKLIST.							
MATT MOERTL 7/10/24 NAME - TITLE SIGNATURE DATE							
POST CONSTRUCTION COMPLIANCE STATEMENT							
<input type="checkbox"/> HVAC RECORD DRAWINGS OF THE ACTUAL INSTALLATION, SYSTEM CAPACITIES, CALIBRATION INFORMATION AND PERFORMANCE DATA FOR EACH PIECE OF EQUIPMENT PROVIDED TO THE OWNER							
<input type="checkbox"/> HVAC OPERATION AND MAINTENANCE DOCUMENTS FOR ALL MECHANICAL EQUIPMENT AND SYSTEM PROVIDED TO THE OWNER BY THE MECHANICAL CONTRACTOR							
<input type="checkbox"/> WRITTEN HVAC BALANCING AND OPERATIONS REPORT PROVIDED TO THE OWNER							
THE ABOVE POST CONSTRUCTION REQUIREMENTS HAVE BEEN COMPLETED							
PRINCIPAL MECHANICAL DESIGNER SIGNATURE DATE							

DIFFUSER, REGISTER AND GRILLE SCHEDULE

MARK	DESCRIPTION	MANUFAC	MODEL #	MATERIAL	FRAME	FACE	DAMPER	FINISH
CD-1	CEILING DIFFUSER	PRICE	SCD	STEEL	LAY-IN	SQUARE BLADE	NO	WHITE
CD-2	CEILING DIFFUSER	PRICE	SMD	STEEL	SQUARE	BLADE	DBD	WHITE
SR-1	SPIRAL DUCT DIFFUSER	PRICE	SDGE	ALUM	SURFACE	DBL DEFLECT	DBD	MILL/NOTE 3
RG-1	RETURN GRILLE	PRICE	S30	STEEL	LAY-IN	BAR TYPE	NO	WHITE
RG-2	RETURN GRILLE	PRICE	S60	ALUM	SURFACE	BAR TYPE	NO	MILL/NOTE 3
RG-3	SPIRAL DUCT RETURN	PRICE	SDGR	ALUM	SURFACE	BAR TYPE	NO	MILL/NOTE 3

NOTES: 1) ALL BLOW PATTERN ARE FOUR WAY UNLESS NOTED OTHERWISE.
2) CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR COORDINATION OF ALL CEILING FRAMES.
3) COORDINATE PAINTING OF AIR DISTRIBUTION WITH ARCHITECT AND GENERAL CONTRACTOR.

OUTSIDE AIR CALCULATION

PER 2018 I.M.C. SECTION 403.3 AND TABLE 403.3.I

SUITE 1D

OFFICE/BREAK AREA:

Rp = 5 CFM/PERSON
Pz = 50 PEOPLE/1000 SQ. FT. = 55.1 PEOPLE
Ra = 0.06 CFM/SQ. FT.
Az = 11191 SQ. FT.

V = RP x PZ + RA x AZ = 937 CFM OSA REQUIRED
EZ = 0.8
937 / 0.8 (ZONE EFFECTIVENESS) = 1171 CFM OF OUTSIDE AIR IS REQUIRED.

CONFERENCE:

Rp = 5 CFM/PERSON
Pz = 50 PEOPLE/1000 SQ. FT. = 34.4 PEOPLE
Ra = 0.06 CFM/SQ. FT.
Az = 689 SQ. FT.

V = RP x PZ + RA x AZ = 214 CFM OSA REQUIRED
EZ = 0.8
214 / 0.8 (ZONE EFFECTIVENESS) = 267 CFM OF OUTSIDE AIR IS REQUIRED.

LOBBY:

Rp = 5 CFM/PERSON
Pz = 10 PEOPLE/1000 SQ. FT. = 10.4 PEOPLE
Ra = 0.06 CFM/SQ. FT.
Az = 1040 SQ. FT.

V = RP x PZ + RA x AZ = 114 CFM OSA REQUIRED
EZ = 0.8
114 / 0.8 (ZONE EFFECTIVENESS) = 143 CFM OF OUTSIDE AIR IS REQUIRED.

1581 TOTAL CFM OF OUTSIDE AIR IS REQUIRED.
1600 CFM OF OUTSIDE AIR IS PROVIDED.
3750 CFM OF OUTSIDE AIR IS PROVIDED.

WAREHOUSE:

Rp = N/A
Pz = N/A
Ra = 0.06 CFM/SQ. FT.
Az = 49340 SQ. FT.

V = 0.06 x 17400 = 2900 CFM OSA
EZ = 0.8
2900 / 0.8 (ZONE EFFECTIVENESS) = 3626 CFM OF OUTSIDE AIR IS REQUIRED.

NOTES:

1. PROVIDE AIR HANDLERS WITH FACTORY-INSTALLED TXV'S.
2. PROVIDE AIR HANDLERS WITH SECONDARY DRAIN PAN AND CONDENSATE CUT-OFF SWITCH.

A/C SYSTEM - ROOFTOP PACKAGE HEAT PUMP

3 TON: NDM 1200 CFM @ 0.5' ESP/ 24.0 MBH SENS COOL @ 80/67/115; 5.8 RLA COMP/R 0.8 FLA DBF1; 1.2 FLA IDF1; 460V-3PH; 10 MCA; 15 MDP; CARRIER SOFCQA04; MINIMUM 14.3 SEER; 8.2 HSPF HEIGHT: 33-3/8" + 8" CURB = 41-3/8" / 610 LBS.

4 TON: NDM 1600 CFM @ 0.5' ESP/ 33.3 MBH SENS COOL @ 80/67/115; 6.2 RLA COMP/R 0.8 FLA DBF1; 1.2 FLA IDF1; 460V-3PH; 12 MCA; 15 MDP; CARRIER SOFCQA05; MINIMUM 14.3 SEER; 8.2 HSPF HEIGHT: 33-3/8" + 8" CURB = 41-3/8" / 610 LBS.

5 TON: NDM 2000 CFM @ 0.5' ESP/ 43.0 MBH SENS COOL @ 80/67/115; 7.8 RLA COMP/R 0.8 FLA DBF1; 1.9 FLA IDF1; 460V-3PH; 13 MCA; 20 MDP; CARRIER SOFCQA06; MINIMUM 14.3 SEER; 8.2 HSPF HEIGHT: 41-3/8" + 8" CURB = 49-3/8" / 710 LBS.

10 TON: NDM 4000 CFM @ 0.6' ESP/ 80.8 MBH SENS COOL @ 80/67/115; (2) 1200 CFM @ 0.5' ESP/ 33.3 MBH SENS COOL @ 80/67/115; (2) 1200 CFM @ 0.5' ESP/ 33.3 MBH SENS COOL @ 80/67/115; 12 MCA; 30 MDP; CARRIER SOFCQA10; MINIMUM 11.0 EER; 1250 LBS. HEIGHT: 49-3/8" + 8" CURB = 57-3/8"

NOTES:
1. UNITS TO BE INSTALLED ON EXISTING A/C CURBS (EXCEPT AC-16).
2. PROVIDE 25% MANUAL OSA INTAKE, ECO BLUE VANE AXIAL FAN WITH DIRECT DRIVE ECM MOTOR. (3-5 TON UNITS)
3. PROVIDE 2" FILTER RACK FOR ALL UNITS.
4. PROVIDE FACTORY INSTALLED MODULATING ECONOMIZER SECTION WITH BAROMETRIC RELIEF ON ALL 10 TON UNITS.

RELIEF VENTS (FOR POSITIVE PRESSURE RELIEF DURING A/C UNIT ECONOMIZER OPERATION)

RV UNITED METAL PRODUCTS #WV4872/12000 CFM @ 500 FPM/ROOF OPENING 48"x72" / 220 LBS/PROVIDE COMPLETE WITH BAROMETRIC DAMPER AND ROOF CURB

NOTES:
1. PROVIDE WITH BIRD SCREEN.
2. FREE AREA OF HOOD MUST BE EQUAL OR GREATER THAN FREE AREA OF THROAT .

EXHAUST FANS

EF-1 CEILING MOUNTED CENTRIFUGAL/150 CFM @ 25' ESP/1.3 AMP MOTOR/120V SINGLE PHASE/GREENNECK #SP-A190 w/ 8" DUCT AND BACKDRAFT DAMPER/FAN TO BE INTERLOCKED WITH LIGHTS IN RESTROOM. SEE ELECTRICAL DRAWINGS FOR INTERLOCK.

ALL WORK DONE TO BE IN COMPLIANCE WITH 2018 INTERNATIONAL MECHANICAL CODE, 2018 IECC AND LOCAL AMENDMENTS.

MECHANICAL NOTES

GENERAL

- 1) BUILDING IS EXISTING SINGLE STORY WITH NEW SECOND FLOOR PORTION
- 2) INSPECTOR, LABOR, MATERIALS, TOOL EQUIPMENT, FEES, PERMITS, CERTIFICATE OF INSPECTION, AND NECESSARY OR REASONABLE REQUIREMENTS FOR THE COMPLETION OF ALL AIR CONDITIONING WORK. THE WORK SHALL BE IN STRICT ACCORDANCE WITH THE ASHRAE GUIDE, AND ALL LOCAL AND STATE CODE