

# ACHD HEADQUARTERS TENANT IMPROVEMENT PHASE 1

5800 MEEKER AVENUE

BOISE, IDAHO

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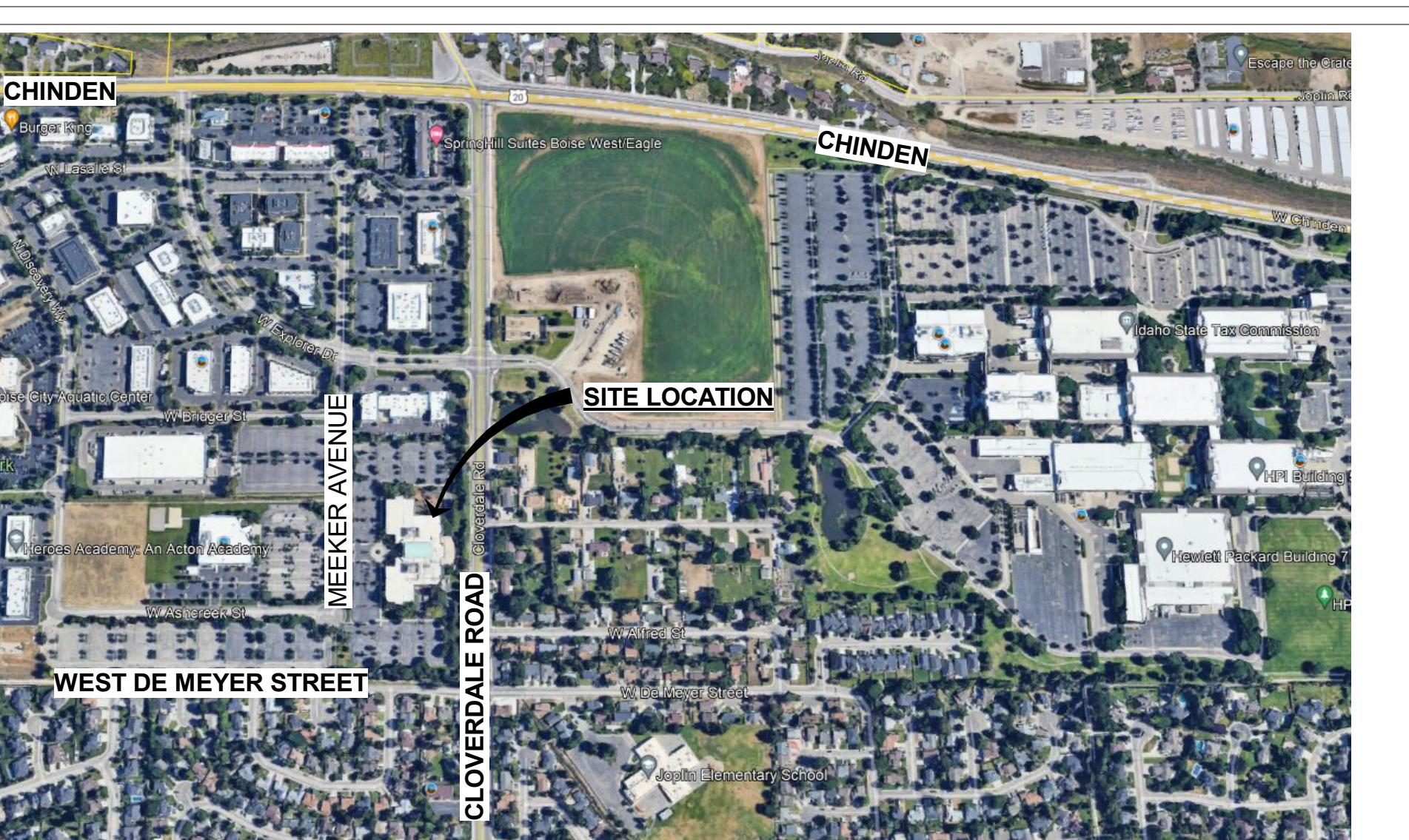
## GENERAL NOTES

- THE DRAWINGS INDICATE LOCATION, DIMENSIONS, REFERENCE, AND TYPICAL DETAILS OF CONSTRUCTION. THE DRAWINGS DO NOT INDICATE EVERY CONDITION - WORK NOT PARTICULARLY DETAILED SHALL BE OF CONSIDERATION TO PARTS THAT ARE DETAILED.
- DO NOT SCALE DRAWINGS.
- FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS WHERE DISCREPANCIES OCCUR, THEY SHALL BE REPORTED TO ARCHITECT FOR RESOLUTION.
- DETAILED DIMENSIONS ARE TO CENTER LINE OF DRAWING UNLESS OTHERWISE NOTED.
- CONCRETE DIMENSIONS ARE GIVEN TO FACE OF CONCRETE AND TO THE FACE OF ROUGH OPENINGS.
- MASONRY DIMENSIONS ARE GIVEN TO FACE OF MASONRY AND TO THE FACE OF ROUGH OPENINGS.
- PARTITION DIMENSIONS ARE GIVEN TO THE FACE OF STUD UNLESS OTHERWISE NOTED.
- DRILL OPENINGS LOCATIONS ARE DIMENSIONED TO THE CENTER OF DRILLING OR THE CENTER OF OPENING WHERE APPLICABLE. MATERIAL INDICATION SHALL INDICATE MATERIAL TYPES AND ITEMS. SEE SYMBOL AND MATERIALS LIST ON THIS SHEET.
- FINISH FLOOR ELEVATION DATUM 100'-0" XXX.
- ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADA) AND IBC SECTION 1101 (2018 SECTION 1101).
- ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- THE CONTRACTOR(S) SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAN AND FREE OF DEBRIS. AFTER CONSTRUCTION IS COMPLETE, THE GENERAL CONTRACTOR SHALL PROVIDE FINAL CLEAN UP.
- ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. 2018 IBC SECTION 1010.1.
- EXTERIOR SIGNAGE SHALL BE PLACED OR INTERNALLY ILLUMINATED BY THE PREMISES WIRING AND BY SUPPORTING STRUCTURE AND BE IN COMPLIANCE WITH THE CODE.
- EXIT WAYS SHALL BE ILLUMINATED PER BC SECTION 1008. THE POWER SUPPLY FOR EXIT ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES' WIRING SYSTEM, 2018 BC SECTION 1008.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS FOR ACCURACY PRIOR TO COMMENCING ANY WORK. THIS SHALL NOT BE CONSTRUED AS THE ATTENTION OF THE ARCHITECT.
- UNLESS OTHERWISE INDICATED ALL DRAWINGS, NOTES WHICH DO NOT READ "N.C." "EXISTING" OR "EXISTING TO REMAIN" OR "BY OTHERS" SHALL INDICATE NEW WORK WHICH SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED.
- PERMANENT AND RATED ASSEMBLIES SHALL BE FIRE STOPPED IN ACCORDANCE WITH 2018 IBC SECTION 714.4.1 AND 714.2. PROVIDE A FIRE STOPPING SYSTEM APPROPRIATE FOR THE WORK BEING PERFORMED. PAINTABLE SEALANT SHALL BE PROVIDED AT ALL EXPOSED AREAS. PROVIDED COPIES OF THE SPECIFIC FIRE STOP SYSTEM PROPOSED FOR USE IN THIS PROJECT AT PENETRATIONS OF ONE-HOUR WALLS OR ONE-HOUR FLOORS AND CEILINGS. CONTRACTOR SHALL PROVIDE COPIES OF THE DRAWINGS AND STRUCTURAL INSPECTOR'S ASSEMBLIES SHALL SHOW ALL REQUIRED COMPONENTS AND METHOD OF INSTALLATION TO PROVIDE THE REQUIRED FIRE-STOP RATINGS AS SYSTEM BEING PENETRATED.
- CONSTRUCTION WILL OCCUR WHILE THE BUILDING IS PARTIALLY OCCUPIED. NOISE AND DUST SHALL BE MINIMIZED AS MUCH AS POSSIBLE. CONTRACTOR SHALL NOTIFY OWNER OF VIBRATION ON ALL FLOORS. NOTIFY OWNER PRIOR TO COMMENCING WITH NOISY ACTIVITIES OR ACTIVITIES THAT CAUSE VIBRATION.
- THESE DOCUMENTS WERE CREATED FROM EXISTING BUILDING DRAWINGS AND SITE OBSERVATIONS. NOT ALL CONDITIONS WERE VERIFIED.
- PROVIDE A GYPSUM BOARD AT ALL "WET WALLS." THIS INCLUDES, BUT IS NOT LIMITED TO, BREAK ROOM PLUMBING WALLS, TOILET ROOMS, JANITOR'S CLOSET, AND BEHIND DRINKING FOUNTAINS.
- THE U.S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTIFIED 10 WORKING DAYS IN ADVANCE FOR ALL RENOVATIONS THAT DISTURB 260 L.F. / 35 C.U. FT. OF ASBESTOS CONTAINING MATERIALS.
- PROVIDE LANDINGS AND FLOOR LEVELS AT DOORS THAT COMPLY WITH THE 2018 BC SECTION 1003.9.1010.1/6-1010.1.7.
- THIS SPACE MAY NOT OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OCCUPANCY AND FIRE DEPARTMENT APPROVAL.
- CONTRACTOR SHALL NOT CORE DRILL WITHOUT VERIFYING LOCATION OF CONCRETE REINFORCING.
- PROVIDE BLOCKING AS REQUIRED FOR ALL AREAS TO RECEIVE MILLWORK AND WALL-ATTACHED ITEMS AS SHOWN IN PLANS.
- ALL EXITS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. 2018 IBC SECTION 1010.1.
- COORDINATE MECHANICAL, ELECTRICAL, AND TELECOMMUNICATIONS REQUIREMENTS, ROUTING, AND FIELD VERIFICATION.
- WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FINISHED SURFACE OF NEW CONSTRUCTION WITH EXISTING CONSTRUCTION.
- COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER.
- FIRE SPRINKLER AND ALARM MODIFICATIONS REQUIRE SEPARATE APPLICATION AND PLAN SUBMITTALS PRIOR TO PERFORMING WORK. ALL LIFE-SAFETY FEATURES SHALL BE APPROVED BY THE FIRE AND STRUCTURAL INSPECTOR PRIOR TO OCCUPANCY.
- ALL SUBMITTALS, DESIGN ORDERS, OR DESIGN CLARIFICATIONS TO THOSE ITEMS REGULATED BY THE CODES MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH ANY OF THE PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE.
- SUSPENDED CEILINGS SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH 2018 IBC SECTION 808.1.1 AND ASTM C 634 AND ASTM C 636.
- ALL INSULATION MATERIALS SHALL COMPLY WITH 2018 IBC SECTION 720.
- HANDLE PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS OF ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING. DOORS SHALL OPERATE SUCH THAT THERE IS A 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND. 2018 IBC SECTION 1010.1.9.
- COMBUSTIBLE MATERIALS SHALL NOT BE USED IN CONCEALED SPACES UNLESS EVIDENCE OF COMPLIANCE WITH 2018 IBC SECTION 717.5 IS PROVIDED TO THE STRUCTURAL INSPECTOR FOR REVIEW AND APPROVAL.
- DETAILED MATERIALS THAT SHIP WITH THE CODES SHALL BE PROVIDED TO THE SAME PROPAGATION CRITERIA OF NFPA 701. IN ACCORDANCE WITH 2018 IBC SECTION 808, CONTRACTOR SHALL HAVE CERTIFICATE OF COMPLIANCE FOR DECORATIVE MATERIALS AND TRIM INDICATING COMPLIANCE WITH THE CODE SECTIONS AS APPLICABLE TO THIS PROJECT AVAILABLE AT PROJECT SITE.
- COULD NOT BE DETERMINED IF THE SOURCE OF CODE COMPLIANCE IS RATING OF WALL AND CEILING FINISH MATERIALS AT CONSTRUCTION SITE FOR REVIEW BY FIRE AND STRUCTURAL FIELD INSPECTORS IN ACCORDANCE WITH 2018 IBC SECTION 803 AND TABLE 803.13.
- ACCESS TO MECHANICAL APPLIANCES INSTALLED UNDER-FLOOR AREAS, ATTIC SPACES AND ON ROOFS OF THE BUILDING MUST BE PROVIDED ACCORDING TO THE INTERNATIONAL MECHANICAL CODE.
- CONTROL, OPERATING MECHANISMS AND HARDWARE INTENDED FOR OPERATION BY THE OCCUPANT, INCLUDING SWITCHES THAT CONTROL LIGHTING AND VENTILATION AND ELECTRICAL CONVENIENCE OUTLETS, IN ACCESSIBLE SPACES, ALONG ACCESSIBLE ROUTES OR AS PARTS OF ACCESSIBLE ELEMENTS SHALL BE ACCESSED BY THE OCCUPANT.
- VENTILATION AND EXHAUST SYSTEMS SHALL BE PROVIDED AT REQUIRED BY THE INTERNATIONAL MECHANICAL CODE AND THE INTERNATIONAL FIRE CODE.

## ABBREVIATIONS

G	GENERAL
S	SQUARE
C	CENTERLINE
D	DIAMETER
I	INCH
N	NEW
R	RENOVATE OR RELOCATED
A	AT
B	AIR CONDITIONING
A.D.A.	AMERICANS WITH DISABILITIES ACT
A.F.F.	ABOVE FINISH FLOOR
A.O.A.	ABOVE OPERATING AREA
A.C.	AIR CONDITIONING
ABV.	ABOVE
A.G.J.	ADJUSTABLE
A.G.U.	ADJUSTABLE
A.I.T.	ALTERNATIVE
A.L.M.	ALUMINUM
A.P.R.	APPROPRIATE
ARCH.	ARCHITECTURAL
AUTO.	AUTOMATIC
A.V.E.	AVOID
B.O.	BOTTOM OF
B.C.	BAND CURB
B.U.	BUTT-UP
BLDG.	BUILDING
BLK.	BLOCK
BLM.	BLIND
BLR.	BOARD
BOT.	BOTTOM
C.B.	CATHODIC
C.C.	CENTER TO CENTER
C.I.	CAST IRON
C.M.U.	CONCRETE MASONRY UNIT
C.T.	CONCRETE OPENING OR CLEAN-OUT
C.W.	CERAMIC TILE
D.	DEEP
D.A.	DEFLATED BAR ANCHOR
D.F.	DRINKING FOUNTAIN
D.S.	DOWNSPOUT
D.S.	DRY SPONGE
DET.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
D.W.	DRAWING
E.I.F.S.	EXTERIOR INSULATION & FINISHING SYSTEM
E.J.	EXPANSION JOINT
E.L.	EXTENSION LUMBER
E.W.C.	EVACUATION WATER COOLER
EL.	ELEVATION
ELEC.	ELECTRICAL
EL.D.	ELDERS
EQ.	EQUAL
EQ.D.	EQUAL DRAFT
EXH.	EXHAUST
EXP.	EXPANSION
EXT.	EXTEND
F.A.	FIRE ALARM
F.B.	FLUSH
F.D.	FLOOR DRAIN
F.E.	FE FIRE EXTINGUISHER
F.H.C.	FREE HANGING CABINET
F.H.C.	FIRE HOSE CABINET
F.O.C.	FACE OF CURB/CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUDS
F.O.T.	FACE OF TREAD
F.D.	FAR SIDE
F.G.	FOUNDATION
F.I.	FLOORING
F.L.	FLASHING
F.T.	FOOT OR FEET
FTG.	FOOTING
FUR.	FURNITURE
G.B.	GRAB BAR
G.A.	GAUGE OR GAGE
G.A.V.	GAUZE OR VALET
G.Y.P.	GYPSUM
H.S.	HEADED ANCHOR STUD
H.S.A.	HEADED CONCRETE ANCHOR
H.C.	HANDICAPPED - A.D.A.G.
H.D.	HOLLOW DUCT
H.P.	HIGH POINT
H.W.	HOT WATER
H.W.F.	HOT WATER FABRIC
H.R.	HOUR
I.D.	INTERNAL DIAMETER
WD.	WITHOUT

## VICINITY MAP



## PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT INCLUDES THE REMODEL OF APPROXIMATELY 9,651 SF ON THE FIRST AND SECOND FLOORS OF THE EXISTING BUILDING AT 5800 MEEKER AVE. THE WORK INCLUDES UPDATES TO FINISHES AND WALL MODIFICATIONS, AS WELL AS THE ADDITION OF NEW MODULAR WALLS. THE HVAC WILL ALSO BE UPDATED TO REFLECT THE NEW OFFICE LAYOUTS.

## DRAWING INDEX

GENERAL  
G001 TITLE SHEET  
G031 ASSEMBLIES  
G101 FIRST FLOOR CODE PLAN AND EGRESS  
G102 SECOND FLOOR CODE PLAN AND EGRESS

PHASING  
A041 COMPOSITE FIRST FLOOR PHASING PLAN  
A042 COMPOSITE SECOND FLOOR PHASING PLAN

DEMO ARCHITECTURAL  
A111A FIRST FLOOR DEMO PLAN AREA 'A' - PHASE 1  
A112B SECOND FLOOR DEMO PLAN AREA 'B' - PHASE 1  
A112C SECOND FLOOR DEMO PLAN AREA 'C' - PHASE 1  
A121A FIRST FLOOR DEMO RCP AREA 'A' - PHASE 1  
A122A SECOND FLOOR DEMOLITION RCP AREA 'B' - PHASE 1  
A122B SECOND FLOOR DEMOLITION RCP AREA 'C' - PHASE 1

ARCHITECTURAL  
A211 FIRST FLOOR COMPOSITE PLAN  
A211A FIRST FLOOR PLAN AREA 'A' - PHASE 1  
A212 SECOND FLOOR COMPOSITE PLAN  
A212A SECOND FLOOR PLAN AREA 'A' - PHASE 1  
A212C SECOND FLOOR PLAN AREA 'C' - PHASE 1  
A231A FIRST FLOOR REFLECTED CEILING PLAN - PHASE 1  
A232B COMPOSITE SECOND FLOOR REFLECTED CEILING PLAN  
A232B SECOND FLOOR REFLECTED CEILING PLAN AREA B - PHASE 1  
A232C SECOND FLOOR REFLECTED CEILING PLAN AREA C - PHASE 1  
A111 INTERIOR DETAILS

INTERIORS  
I211A FIRST FLOOR FINISH PLAN - AREA 'A' - PHASE 1  
I212B SECOND FLOOR FINISH PLAN - AREA 'B' - PHASE 1  
I221A FIRST FLOOR FURNITURE PLAN - AREA 'A' - PHASE 1  
I222B SECOND FLOOR FURNITURE PLAN - AREA 'C' - PHASE 1  
I222C SECOND FLOOR FURNITURE PLAN - AREA 'C' - PHASE 1  
I801 FINISH SCHEDULE & MATERIALS KEY

HVAC  
M001 HVAC COVER SHEET  
M111 DEMO MECHANICAL PLAN LEVEL 1 - QUADRANT 2  
M121 DEMO MECHANICAL PLAN LEVEL 2 - QUADRANT 3  
M122 DEMO MECHANICAL PLAN LEVEL 3 - QUADRANT 4  
M212 HVAC PLAN LEVEL 1 - QUADRANT 2  
M221 HVAC PLAN LEVEL 2 - QUADRANT 3  
M222 HVAC PLAN LEVEL 2 - QUADRANT 4  
M711 HVAC DETAILS  
M811 HVAC CODE REQUIRED VENTILATION RATES  
M812 HVAC SCHEDULES

ELECTRICAL  
E001 ELECTRICAL SYMBOLS & ABBREV.  
E011 ENERGY COMPLIANCE FORMS  
E021 LIGHTING SCHEDULES  
E111 LIGHTING PLAN PHASE 1 - FIRST FLOOR  
E121 LIGHTING PLAN PHASE 1 - SECOND FLOOR  
E231 POWER PLAN PHASE 1 - FIRST FLOOR  
E232 POWER PLAN PHASE 1 - SECOND FLOOR  
E241 MECHANICAL POWER PLAN PHASE 1 - FIRST FLOOR  
E242 MECHANICAL POWER PLAN PHASE 1 - SECOND FLOOR  
E711 DETAILS  
E801 EXISTING SINGLE-LINE DIAGRAM  
E811 PANEL SCHEDULES  
E812 PANEL SCHEDULES  
E813 PANEL SCHEDULES  
E814 PANEL SCHEDULES  
E815 PANEL SCHEDULES

ACHD HEADQUARTERS TENANT IMPROVEMENT  
5800 MEEKER AVE.

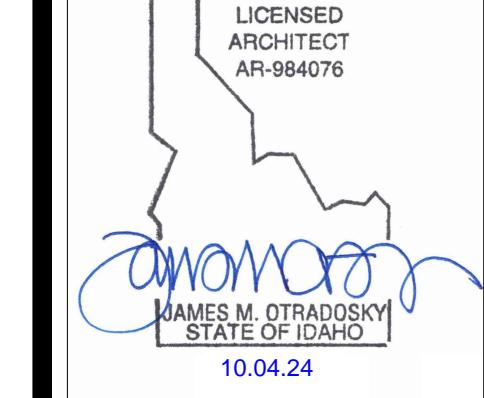
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**PERMIT SET**

PROJECT 23317 DATE 04-04-24  
DRAWN CHECKED  
KL, JZ SC, JO  
REVISED

SHEET TITLE  
TITLE SHEET  
SHEET

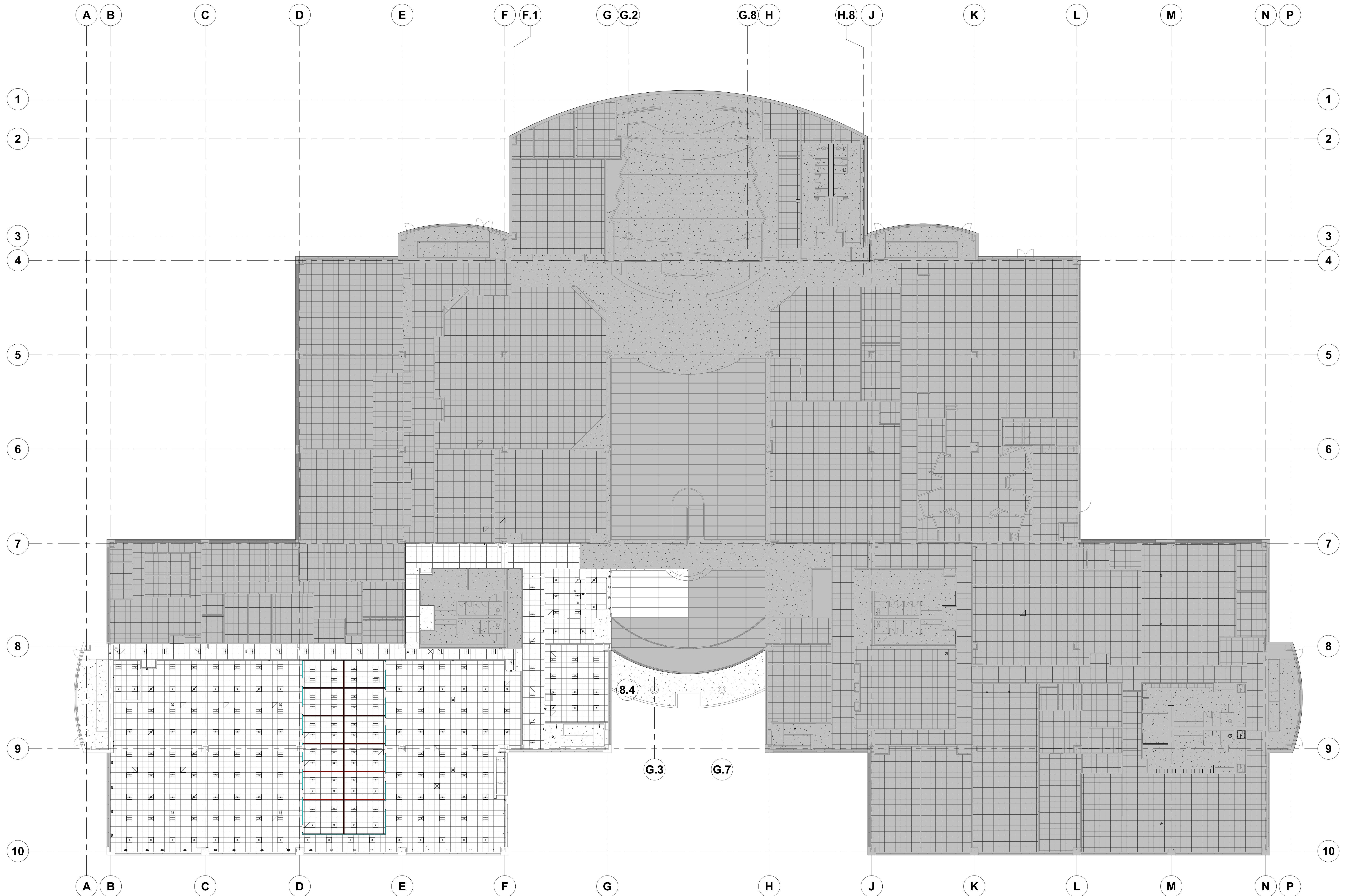
**G001**

ORIGINAL SHEET SIZE  
30" x 42"



BOISE, IDAHO 83702  
BROAD STREET  
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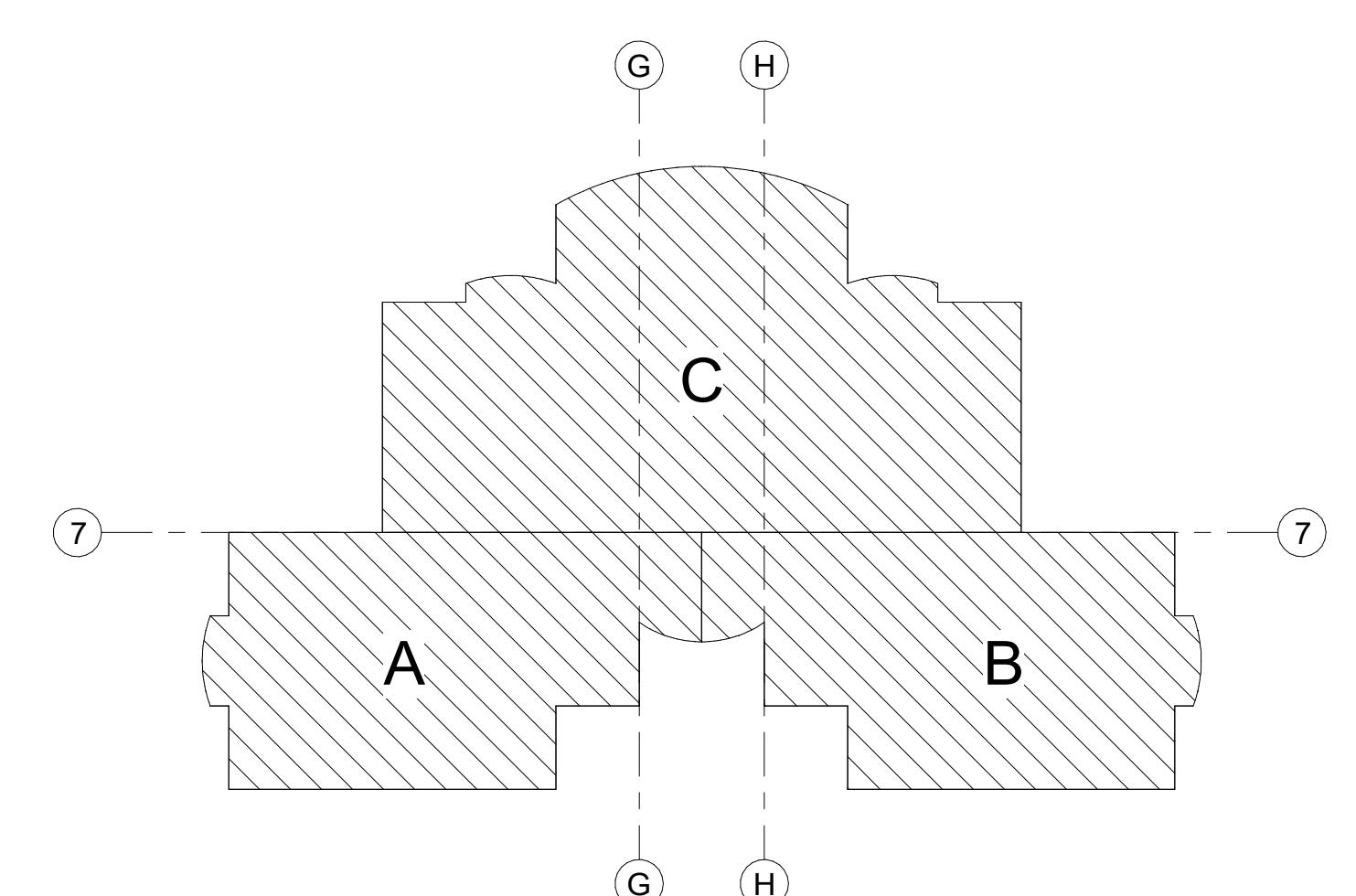


### GENERAL NOTES:

- LIGHT FIXTURES, DIFFUSERS, AND GRILLES ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE OF MECHANICAL AND ELECTRICAL WORK.
- REFER TO FLOOR PLANS FOR WALL TYPES AND CONSTRUCTION.
- THE SUSPENDED CEILINGS SHALL COMPLY WITH ASTM C 635 LISTED IN CHAPTER 35 AND SECTION 13.5.6 OF ASCE 7 FOR INSTALLATION IN HIGH SEISMIC AREAS, AND ASTM C 636. IN ADDITION, FOR SEISMIC FORCES THE CEILING SHALL COMPLY WITH CISCA 0-2 AS FOLLOWS:
  - EACH INDIVIDUAL FIXTURE AND ATTACHMENTS WITH A COMBINED WEIGHT OF 56 LBS. OR LESS SHALL HAVE TWO NO. 12 GAUGE WIRE HANGERS ATTACHED AT DIAGONAL CORNERS OF THE FIXTURE. EACH INDIVIDUAL FIXTURE AND ATTACHMENT AND ATTACHMENTS WITH A COMBINED WEIGHT GREATER THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE.
  - THE MAIN RUNNER/ CROSS INTERSECTIONS AND ALL GRID SPLICES MUST HAVE AN AVERAGE ULTIMATE TEST STRENGTH OF 60 LBS. OR MORE IN BOTH TENSION AND COMPRESSION. THE TENSILE TEST MUST ALLOW FOR A 5 DEGREE OFFSET OF THE CONNECTION IN ANY DIRECTION.
  - THE ACTUAL AVERAGE WEIGHT OF THE CEILING SYSTEM, INCLUDING GRID, PAPER, LIGHT FIXTURES, AND AIR TERMINAL MUST BE 2.5 PSF OR LESS. ALL OTHER SERVICES MUST BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM. FOR CEILINGS THAT HAVE AN AVERAGE WEIGHT GREATER THAN 2.5 PSF, THE CONTRACTOR MUST PROVIDE AN INDEPENDENT ONE-34 PREGATION, TAKING INTO ACCOUNT THE DESIGN LATENT FORCE FACTOR APPROPRIATE FOR ZONE 2. OTHER DEVIATIONS OR VARIATIONS MUST BE SUSTAINED BY VERIFIABLE ENGINEERING DATA.
  - THE CEILING SYSTEM CANNOT BE USED TO PROVIDE LATERAL SUPPORTS FOR WALLS OR PARTITIONS. WALLS OR PARTITIONS MAY BE ATTACHED TO THE CEILING GRID PRIOR TO ACCOMMODATING THE REQUIRED CLEARANCE AS SPECIFIED BELOW.
  - ALL PERIMETER CLOSURE ANGLES OR CHANNELS MUST PROVIDE A SUPPORT LEDGE OF APPROXIMATELY 7/8 INCH OR GREATER. A TERMINAL END OF A GRID MEMBER (OR TILE) MUST REST ON THE LEDGE OR MOLDING WITH AT LEAST 3/8 INCH CLEARANCE FROM AN EDGE OR WALL. REVEAL (SHADING) EDGE WALL CLOSURES SHOULD NOT EXCEED 1/4 INCH. PERMANENT ATTACHMENT TO CLOSURE ANGLES THAT PROVIDE A SUPPORT LEDGE OF LESS THAN NOTED ABOVE, THE TERMINAL ENDS OF EACH CROSS RUNNER OR MAIN RUNNER SHALL BE INDEPENDENTLY SUPPORTED FROM THE CLOSURE ANGLE OR CEILING DISCONTINUITY. THIS SUPPORT MAY BE A NO. 12 GAUGE HANGER WIRE OR OTHER SUPPORT THAT PREVENTS THE GRID FROM FAILING. THIS WIRE DOES NOT NEED TO BE VERTICAL BUT SHOULD BE TIGHTLY WRAPPED AROUND THE GRID. IT SHOULD BE PLUMB. A 3/8 INCH GRID END CLEARANCE FROM A WALL SHOULD BE MAINTAINED. ALL CEILING PENETRATIONS (COLUMNS, SPRINKLERS, ETC.) AND INDEPENDENTLY SUPPORTED FIXTURES OF SEPARATE SUPPORTS. CONTRACTOR SHALL PROVIDE MEASURES THAT ALSO MUST ALLOW THE NOTED CLEARANCES BY USING SUITABLE ESCUTCHEONS OR CLOSURE DETAILS.
  - AT WALL CLOSURE LEDGES, THE CROSS RUNNER AND MAIN RUNNER ENDS SHALL BE PREVENTED FROM SPREADING APART FROM EACH OTHER. PERMANENT ATTACHMENT (I.E., POP FIVETS) FOR GRID ALIGNMENT PURPOSES SHALL NOT BE PERMITTED.
  - REFER TO A711-7 AND 8.
- CONTRACTOR SHALL PATCH AND REPAIR ANY DAMAGE OR PENETRATIONS AT ALL ELEMENTS TO REMAIN (INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, ETC.) CAUSED DUE TO DEMOLITION ACTIVITIES OR RELATED CONSTRUCTION. MECHANICAL AND ARCHITECTURAL ELEMENTS REPLACE THEMSELF IF UNREPAIRABLE TO ORIGINAL STATE. EXISTING FINISH MATERIALS SHALL BE PROTECTED AND RETAINED, UNLESS OTHERWISE NOTED.
- REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL FOR THE SCOPE OF WORK ASSOCIATED WITH EACH DISCIPLINE.

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

### KEY PLAN



**ACHD HEADQUARTERS TENANT IMPROVEMENT**  
**5800 MEEKER AVE.**

**CSHQ4**

**ACHD**

### PERMIT SET

PROJECT	DATE
23317	10-04-24

DRAWN  
CHECKED  
SC. JO  
REVISED

**SHEET TITLE**  
**COMPOSITE**  
**FIRST FLOOR**  
**REFLECTED**  
**CEILING PLAN**

**A231**

ORIGINAL SHEET SIZE  
30" x 42"

JAMES M. OTRADOSKY, ARCHITECT  
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LICENSED ARCHITECT  
AR-984076  
JAMES M. OTRADOSKY, STATE OF IDAHO  
10.04.24

LICENSED  
ARCHITECT  
AR-984076  
*James M. Otradovsky*  
JAMES M. OTRADOVSKY, ARCHITECT  
STATE OF IDAHO  
10.04.24

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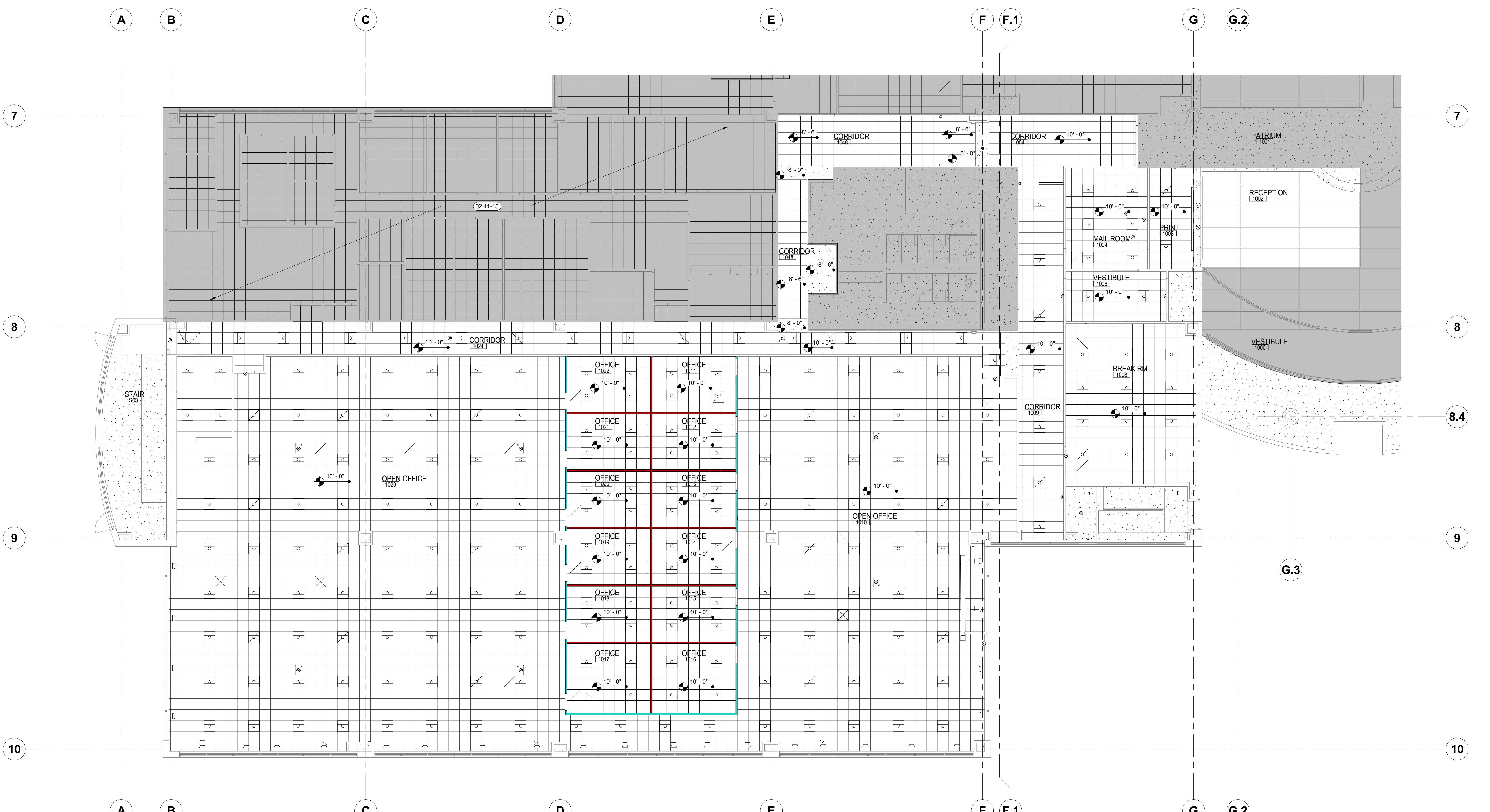
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ACHD

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PROJECT 23317	DATE 10-04-24
DRAWN KL	CHECKED SC. JO
REVISED	

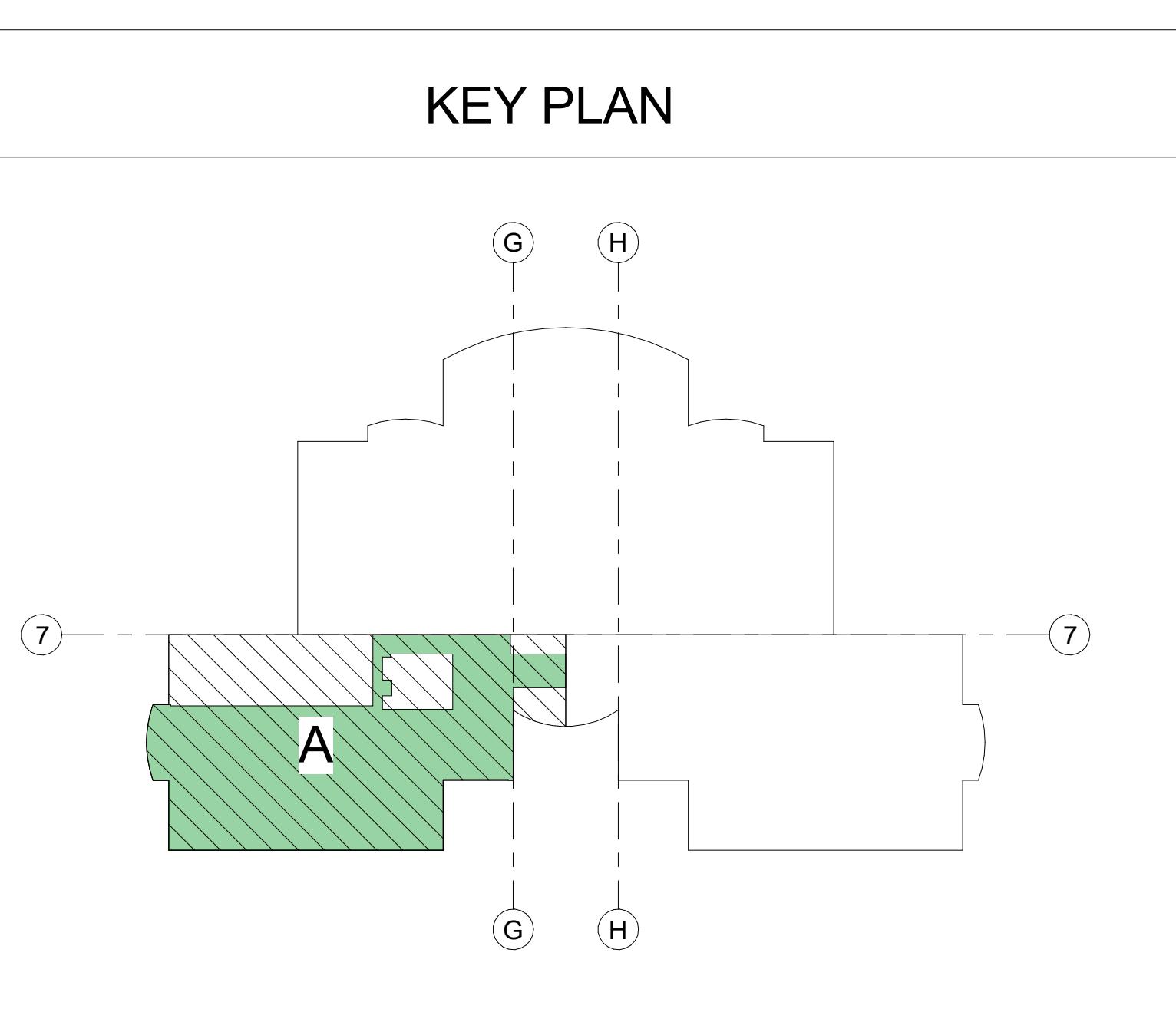


LEGEND:	
	SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED.
	SHEET NOTE, RE: SHEET NOTES LIST ON CURRENT PAGE.
	INDICATES FINISH CEILING OR SOFFIT HEIGHT ABOVE DATUM, FINISH FLOOR.
	GYPSUM BOARD
	FUTURE PHASE - NOT IN SCOPE OF WORK
	2'x2' SUSPENDED ACOUSTICAL CEILING TILE SYSTEM
ELECTRICAL, CW/ELECTRICAL	
	2'x2' LAY-IN
	EMERGENCY 2'x2' LAY-IN
	RECESSED CAN FIXTURE
	PENDANT WALL WASH FIXTURE
	CEILING ACCESS PANEL
	EMERGENCY FIXTURE
	STRIP WALL WASH FIXTURE
	EXIT SIGN (TWO ARROWS)
	EXIT SIGN (ONE ARROW)

GENERAL NOTES:	
A.	LIGHT FIXTURES, DIFFUSERS, AND GRILLES ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE OF MECHANICAL AND ELECTRICAL WORK.
B.	REFER TO FLOOR PLANS FOR WALL TYPES AND CONSTRUCTION.
C.	THE SUSPENDED CEILINGS SHALL COMPLY WITH ASTM C 635 LISTED IN CHAPTER 35 AND SECTION 13.6 OF ASCE 7 FOR INSTALLATION IN HIGH SEISMIC AREAS, AND ASTM C 636. IN ADDITION, FOR SEISMIC FORCES THE CEILING SHALL COMPLY WITH CISCA 6-2 OVERLAY. THE SUSPENDED CEILING SYSTEM MUST BE INDEPENDENTLY SUPPORTED WITHIN 8 INCHES FROM EACH WALL OR CEILING DISCONTINUITY. THIS SUPPORT MAY BE A NO. 12 GAUGE HANGER WIRE OR OTHER SUPPORT TO PREVENT THE CEILING FROM FALLING IF THE WIRE DOES NOT HAVE A VERTICAL BEND. THE CEILING SHOULD NOT HAVE A SLOPE GREATER THAN 1 IN 6 OUT-OF-PLUMB. A 3/8 INCH GRID END CLEARANCE FROM A WALL SHOULD BE MAINTAINED. ALL CEILING PENETRATION COLUMNS, SPRINKLERS, ETC. ARE INDEPENDENTLY SUPPORTED. FIXTURES OF SERVICES ARE TO BE CONSIDERED AS PERIMETER CLOSURES THAT ALSO MUST ALLOW THE NOTED CLEARANCES BY USING SUITABLE ESCUTCHEONS OR CLOSURE DETAILS.
a.	EACH INDIVIDUAL FIXTURE AND ATTACHMENTS WITH A COMBINED WEIGHT OF 56 LBS. OR LESS SHALL HAVE TWO NO. 12 GAUGE WIRE HANGERS ATTACHED AT DIAGONAL CORNERS OF THE FIXTURE. THESE WIRES MUST NOT SLACK. ANY FIXTURE AND ATTACHMENT WITH A COMBINED WEIGHT GREATER THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED FROM THE CEILING.
b.	THE MAIN RUNNER/CROSS RUNNER INTERSECTIONS AND ALL GRID SPLICES MUST HAVE AN AVERAGE ULTIMATE TEST STRENGTH OF 60 LBS. OR MORE IN BOTH TENSION AND COMPRESSION. THE TENSILE TEST MUST ALLOW FOR A 5 DEGREE OFFSET OF THE CONNECTION IN ANY DIRECTION.
c.	THE AVERAGE HEIGHT OF THE CEILING SYSTEM, INCLUDING GRID PANELS OR TILE, LIGHT FIXTURES, AND AIR TERMINATORS, MUST NOT EXCEED 10 FEET. OTHER SERVICES MUST BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM. FOR CEILINGS THAT HAVE AN AVERAGE WEIGHT GREATER THAN 2.5 PSF, THE CEILING MUST BE INSTALLED AS SPECIFIED IN THE 4TH EDITION OF ASCE 7-16, INCLUDING THE DESIGN LATERAL FORCE FACTOR APPROPRIATE FOR ZONE 2. OTHER DEVIATIONS OR VARIATIONS MUST BE SUSTAINED BY VERIFIABLE ENGINEERING DATA.
d.	THE CEILING SYSTEM CANNOT BE USED TO PROVIDE LATERAL SUPPORTS FOR WALLS OR PARTITIONS. WALLS OR PARTITIONS MAY BE ATTACHED TO THE CEILING GRID PROVIDED THEY ALLOW THE CEILING GRID TO SWING IN ALL DIRECTIONS TO ACCOMMODATE THE REQUIRED CLEARANCE AS SPECIFIED BELOW.

GENERAL NOTES:	
e.	ALL PERIMETER CLOSURE ANGLES OR CHANNELS MUST PROVIDE A SUPPORT LEDGE OF APPROXIMATELY 7/8 INCH OR GREATER. A TERMINAL END OF A GRID MEMBER (OR TILE) MUST REST ON THE LEDGE OR CHANNEL WITH A MINIMUM 3/8 INCH CLEARANCE FROM AN EDGE OR WALL. WHERE A SHADDED EDGE OR CLOSURE SHOULD ACCOMMODATE THESE CLEARANCES, PERMITTER CLOSURE ANGLES THAT PROVIDE A SUPPORT LEDGE OF LESS THAN 7/8 INCH ARE NOT PERMITTED. PERIMETER CLOSURES THAT ALSO REQUIRE AN INDEPENDENT SUPPORT WITHIN 8 INCHES FROM EACH WALL OR CEILING DISCONTINUITY THIS SUPPORT MAY BE A NO. 12 GAUGE HANGER WIRE OR OTHER SUPPORT TO PREVENT THE CEILING FROM FALLING IF THE WIRE DOES NOT HAVE A VERTICAL BEND. THE CEILING SHOULD NOT HAVE A SLOPE GREATER THAN 1 IN 6 OUT-OF-PLUMB. A 3/8 INCH GRID END CLEARANCE FROM A WALL SHOULD BE MAINTAINED. ALL CEILING PENETRATION COLUMNS, SPRINKLERS, ETC. ARE INDEPENDENTLY SUPPORTED. FIXTURES OF SERVICES ARE TO BE CONSIDERED AS PERIMETER CLOSURES THAT ALSO MUST ALLOW THE NOTED CLEARANCES BY USING SUITABLE ESCUTCHEONS OR CLOSURE DETAILS.
f.	AT WALL CLOSURE LEDGES, THE CROSS RUNNER AND MAIN RUNNER ENDS SHALL BE PREVENTED FROM SPREADING APART FROM EACH OTHER. PERMANENT ATTACHMENT (I.E., POP RIVETS) FOR GRID ALIGNMENT PURPOSES SHALL NOT BE PERMITTED.
g.	REFER TO A711-7 AND 8.
d.	CONTRACTOR SHALL PATCH AND REPAIR ANY DAMAGE OR PENETRATIONS AT ALL ELEMENTS TO REMAIN (INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, ETC.) CAUSED BY DEMOLITION ACTIVITY OR REMOVAL OF EXISTING MECHANICAL AND ARCHITECTURAL ELEMENTS. REPLACE ITEMS NOT REPAIRABLE TO ORIGINAL STATE. EXISTING FINISH MATERIALS SHALL BE PROTECTED AND RETAINED, UNLESS OTHERWISE NOTED.
e.	REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL FOR THE SCOPE OF WORK ASSOCIATED WITH EACH DISCIPLINE.

# # # # SHEET NOTES:	
	02 41-15 EXISTING CEILING TO REMAIN AND BE PROTECTED.



KEY PLAN  
FIRST FLOOR  
REFLECTED  
CEILING PLAN -  
PHASE 1

SHEET

A231A

ORIGINAL SHEET SIZE  
30" x 42"



COMPOSITE SECOND FLOOR REFLECTED CEILING

1 PLAN  
1/16" = 1'-0"

LEGEND:	
SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.	INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED.
(00 00-01) SHEET NOTE, RE: SHEET NOTES LIST ON CURRENT PAGE.	
X - # MATERIAL DESIGNATION, RE: FINISH SCHEDULE I&I	
X - X* INDICATES FINISH CEILING OR SOFFIT HEIGHT ABOVE DATUM, FINISH FLOOR.	
GYPSUM BOARD	FUTURE PHASE - NOT IN SCOPE OF WORK
2' x 2' SUSPENDED ACOUSTICAL CEILING TILE SYSTEM	
ELECTRICAL, CW/ELECTRICAL	
2' x 2' LAY-IN	
EMERGENCY 2' x 2' LAY-IN	
RECESSED CAN FIXTURE	
PENDANT WALL WASH FIXTURE	
CEILING ACCESS PANEL	
EMERGENCY FIXTURE	
STRIP WALL WASH FIXTURE	
EXIT SIGN (TWO ARROWS)	
EXIT SIGN (ONE ARROW)	

ACHD HEADQUARTERS TENANT IMPROVEMENT  
5800 MEEKER AVE.

CSHOA

ACHD

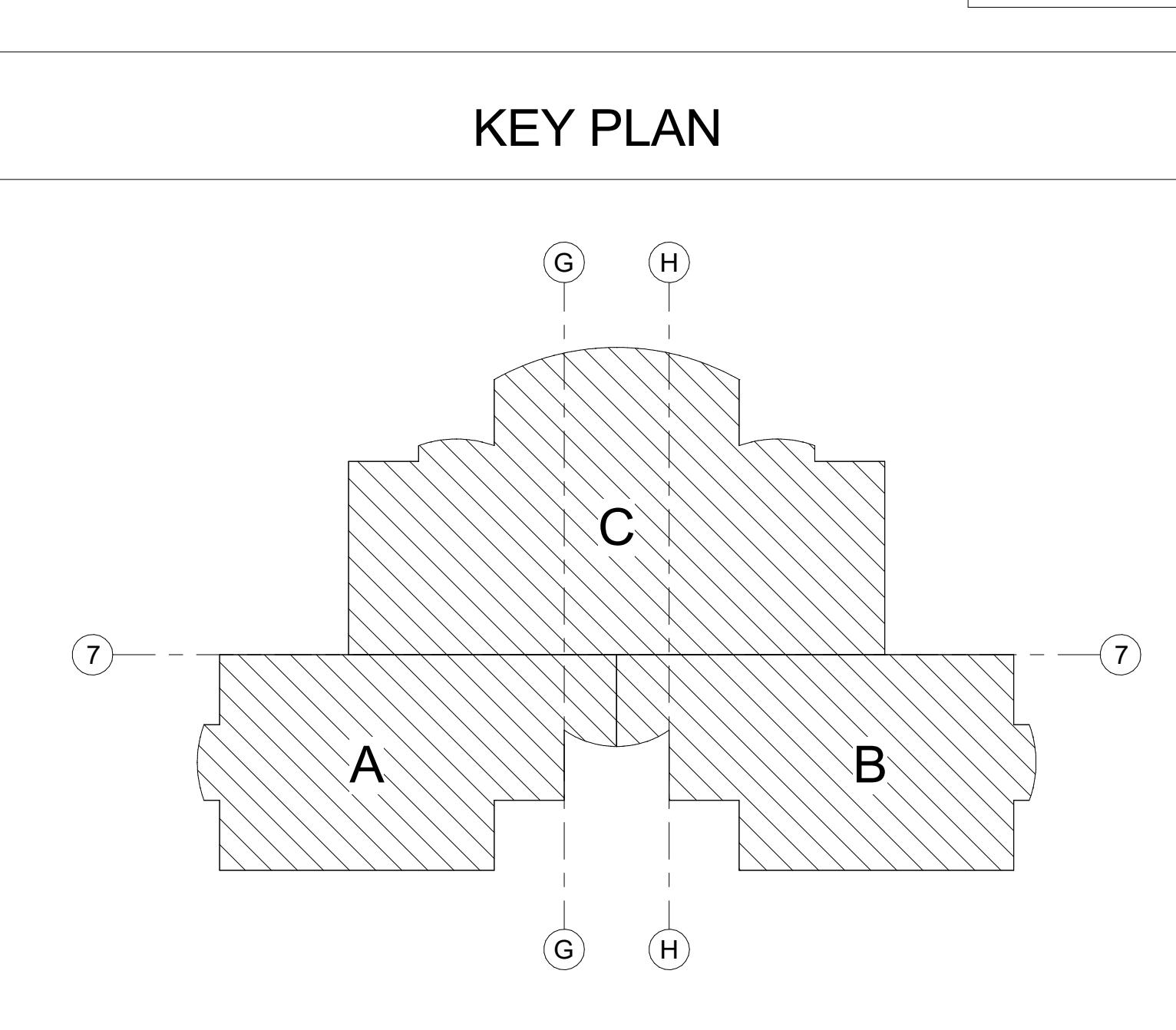
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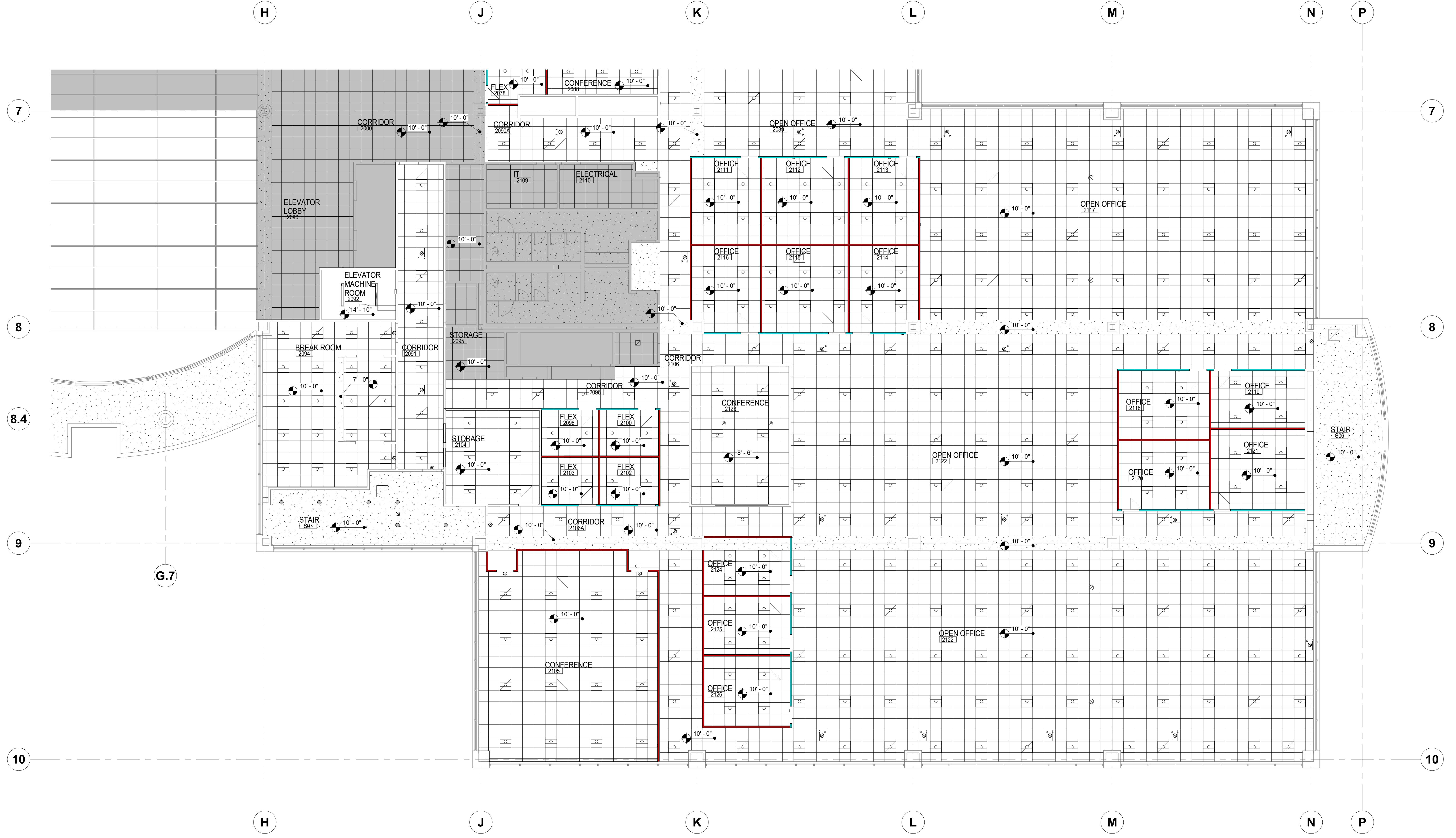
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DRAWN CHECKED  
KL SC. JO  
REVISED

SHEET TITLE: COMPOSITE SECOND FLOOR REFLECTED CEILING PLAN  
SHEET

A232

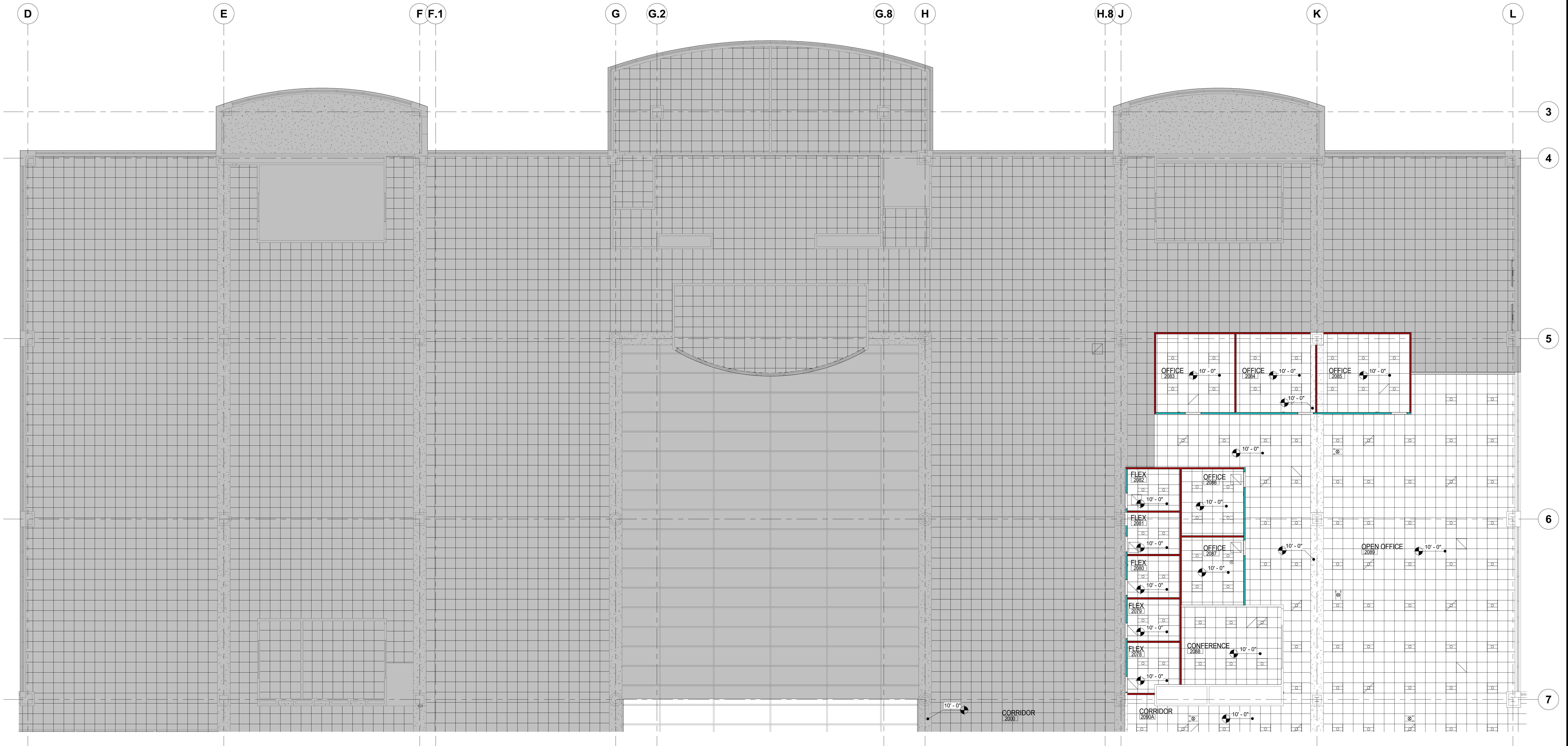
ORIGINAL SHEET SIZE 30" x 42"





 1 SECOND FLOOR REFLECTED CEILING PLAN AREA 'B'  
1/8" = 1'-0"

LEGEND:	GENERAL NOTES:	GENERAL NOTES:	# #-# #	SHEET NOTES:
<p>SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.</p> <p>INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED.</p> <p>00 00-01 SHEET NOTE, RE: SHEET NOTES LIST ON CURRENT PAGE.</p> <p>X - # MATERIAL DESIGNATION, RE: FINISH SCHEDULE I81</p> <p>X' - X" INDICATES FINISH CEILING OR SOFFIT HEIGHT ABOVE DATUM, FINISH FLOOR.</p> <p>GYPSUM BOARD</p> <p>FUTURE PHASE - NOT IN SCOPE OF WORK</p> <p>2' x 2' SUSPENDED ACOUSTICAL CEILING TILE SYSTEM</p> <p>ELECTRICAL, CW/ ELECTRICAL</p> <p>2' x 2' LAY-IN</p> <p>EMERGENCY 2' x 2' LAY-IN</p> <p>RECESSED CAN FIXTURE</p> <p>PENDANT WALL WASH FIXTURE</p> <p>CEILING ACCESS PANEL</p> <p>EMERGENCY FIXTURE</p> <p>STRIP WALL WASH FIXTURE</p> <p>EXIT SIGN (TWO ARROWS)</p> <p>EXIT SIGN (ONE ARROW)</p>	<p>A. LIGHT FIXTURES, DIFFUSERS, AND GRILLES ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE OF MECHANICAL AND ELECTRICAL WORK.</p> <p>B. REFER TO FLOOR PLANS FOR WALL TYPES AND CONSTRUCTION.</p> <p>C. THE SUSPENDED CEILINGS SHALL COMPLY WITH ASTM C 635 LISTED IN CHAPTER 35 AND SECTION 13.5.6 OF ASCE 7 FOR INSTALLATION IN HIGH SEISMIC AREAS, AND ASTM C 636. IN ADDITION, FOR SEISMIC FORCES THE CEILING SHALL COMPLY WITH CISCA 0-2 AS FOLLOWS:</p> <ul style="list-style-type: none"> <li>a. EACH INDIVIDUAL FIXTURE AND ATTACHMENTS WITH A COMBINED WEIGHT OF 56 LBS. OR LESS SHALL HAVE TWO NO. 12 GAUGE WIRE HANGERS ATTACHED AT DIAGONAL CORNERS OF THE FIXTURE. THESE WIRES MUST BE SLACK. ANY FIXTURE AND ATTACHMENTS WITH A COMBINED WEIGHT GREATER THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE.</li> <li>b. THE MAIN RUNNER/ CROSS RUNNER INTERSECTIONS AND ALL GRID SPLICES MUST HAVE AN AVERAGE ULTIMATE TEST STRENGTH OF 60 LBS. OR MORE IN BOTH TENSION AND COMPRESSION. THE TENSILE TEST MUST ALLOW FOR A 5 DEGREE OFFSET OF THE CONNECTION IN ANY DIRECTION.</li> <li>c. THE ACTUAL AVERAGE HEIGHT OF THE CEILING SYSTEM, INCLUDING GRID, PANELS OR TILE, LIGHT FIXTURES, AND AIR TERMINALS MUST BE 2.5 PSF OR LESS. ALL OTHER SERVICES MUST BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM. FOR CEILINGS THAT HAVE AN AVERAGE WEIGHT GREATER THAN 2.5 PSF, THE CEILING MAY BE INSTALLED AS SPECIFIED IN ZONE 3-4 PROVISIONS, TAKING INTO ACCOUNT THE DESIGN LATERAL FORCE FACTOR APPROPRIATE FOR ZONE 2. OTHER DEVIATIONS OR VARIATIONS MUST BE SUSTAINED BY VERIFIABLE ENGINEERING DATA.</li> <li>d. THE CEILING SYSTEM CANNOT BE USED TO PROVIDE LATERAL SUPPORTS FOR WALLS OR PARTITIONS. WALLS OR PARTITIONS MAY BE ATTACHED TO THE CEILING GRID PROVIDED THEY ALLOW THE CEILING MEMBRANE TO MOVE LATERALLY TO ACCOMMODATE THE REQUIRED CLEARANCE AS SPECIFIED BELOW.</li> </ul>	<p>e. ALL PERIMETER CLOSURE ANGLES OR CHANNELS MUST PROVIDE A SUPPORT LEDGE OF APPROXIMATELY 7/8 INCH OR GREATER. A TERMINAL END OF A GRID MEMBER (OR TILE) MUST REST ON THE LEDGE OR MOLDING WITH AT LEAST 3/8 INCH CLEARANCE FROM AN EDGE OR WALL. REVEAL (SHADOW) EDGE WALL CLOSURES SHOULD ACCOMMODATE THESE CLEARANCES. FOR PERIMETER CLOSURE ANGLES THAT PROVIDE A SUPPORT LEDGE OF LESS THAN NOTED ABOVE, THE TERMINAL ENDS OF EACH CROSS RUNNER OR MAIN RUNNER SHALL BE INDEPENDENTLY SUPPORTED WITHIN 8 INCHES FROM EACH WALL OR CEILING DISCONTINUITY. THIS SUPPORT MAY BE A NO. 12 GAUGE HANGER WIRE OR OTHER SUPPORT THAT PREVENTS THE GRID FROM FALLING. THIS WIRE DOES NOT NEED TO BE VERTICAL BUT SHOULD NOT HAVE A SLOPE GREATER THAN 1 IN 6 OUT-OF-PLUMB. A 3/8 INCH GRID END CLEARANCE FROM A WALL SHOULD BE MAINTAINED. ALL CEILING PENETRATIONS (COLUMNS, SPRINKLERS, ETC.) AND INDEPENDENTLY SUPPORTED FIXTURES OF SERVICES ARE TO BE CONSIDERED AS PERIMETER CLOSURES THAT ALSO MUST ALLOW THE NOTED CLEARANCES BY USING SUITABLE ESCUTCHEONS OR CLOSURE DETAILS.</p> <p>f. AT WALL CLOSURE LEDGES, THE CROSS RUNNER AND MAIN RUNNER ENDS SHALL BE PREVENTED FROM SPREADING APART FROM EACH OTHER. PERMANENT ATTACHMENT (I.E., POP RIVETS) FOR GRID ALIGNMENT PURPOSES SHALL NOT BE PERMITTED.</p> <p>g. REFER TO A711-7 AND 8.</p> <p>d. CONTRACTOR SHALL PATCH AND REPAIR ANY DAMAGE OR PENETRATIONS AT ALL ELEMENTS TO REMAIN (INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, ETC.) CAUSED BY DEMOLITION ACTIVITIES OR REMOVAL OF ELECTRICAL, MECHANICAL, AND ARCHITECTURAL ELEMENTS. REPLACE ITEMS NOT REPAIRABLE TO ORIGINAL STATE. EXISTING FINISH MATERIALS SHALL BE PROTECTED AND RETAINED, UNLESS OTHERWISE NOTED.</p> <p>e. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL FOR THE SCOPE OF WORK ASSOCIATED WITH EACH DISCIPLINE.</p>		<p>KEY PLAN</p> <p>SECOND FLOOR REFLECTED CEILING PLAN AREA B - PHASE 1</p> <p>1</p> <p>7</p> <p>7</p> <p>G H</p> <p>B</p> <p>Sheet</p> <p>A232B</p> <p>ORIGINAL SHEET SIZE 30" x 42"</p>



# 1 SECOND FLOOR REFLECTED CEILING PLAN AREA 'C'

1/8" = 1'-0"

LEGEND:	GENERAL NOTES:	GENERAL NOTES:	# #-# #	SHEET NOTES:
<p>SCREENED LINES INDICATE EXISTING ASSEMBLIES/SYSTEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.</p> <p>INDICATES ASSEMBLIES/SYSTEMS TO BE CONSTRUCTED.</p> <p>00 00-01 SHEET NOTE, RE: SHEET NOTES LIST ON CURRENT PAGE.</p> <p>X - # MATERIAL DESIGNATION, RE: FINISH SCHEDULE I81</p> <p>X' - X" INDICATES FINISH CEILING OR SOFFIT HEIGHT ABOVE DATUM, FINISH FLOOR.</p> <p>GYPSUM BOARD</p> <p>FUTURE PHASE - NOT IN SCOPE OF WORK</p> <p>2' x 2' SUSPENDED ACOUSTICAL CEILING TILE SYSTEM</p> <p>ELECTRICAL, CW/ ELECTRICAL</p> <p>2' x 2' LAY-IN</p> <p>EMERGENCY 2' x 2' LAY-IN</p> <p>RECESSED CAN FIXTURE</p> <p>PENDANT WALL WASH FIXTURE</p> <p>CEILING ACCESS PANEL</p> <p>EMERGENCY FIXTURE</p> <p>STRIP WALL WASH FIXTURE</p> <p>EXIT SIGN (TWO ARROWS)</p> <p>EXIT SIGN (ONE ARROW)</p>	<p>A. LIGHT FIXTURES, DIFFUSERS, AND GRILLES ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE OF MECHANICAL AND ELECTRICAL WORK.</p> <p>B. REFER TO FLOOR PLANS FOR WALL TYPES AND CONSTRUCTION.</p> <p>C. THE SUSPENDED CEILINGS SHALL COMPLY WITH ASTM C 635 LISTED IN CHAPTER 35 AND SECTION 13.5.6 OF ASCE 7 FOR INSTALLATION IN HIGH SEISMIC AREAS, AND ASTM C 636. IN ADDITION, FOR SEISMIC FORCES THE CEILING SHALL COMPLY WITH CISCA 0-2 AS FOLLOWS:</p> <ul style="list-style-type: none"> <li>a. EACH INDIVIDUAL FIXTURE AND ATTACHMENTS WITH A COMBINED WEIGHT OF 56 LBS. OR LESS SHALL HAVE TWO NO. 12 GAUGE WIRE HANGERS ATTACHED AT DIAGONAL CORNERS OF THE FIXTURE. THESE WIRES MUST BE SLACK. ANY FIXTURE AND ATTACHMENTS WITH A COMBINED WEIGHT GREATER THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE.</li> <li>b. THE MAIN RUNNER/ CROSS RUNNER INTERSECTIONS AND ALL GRID SPLICES MUST HAVE AN AVERAGE ULTIMATE TEST STRENGTH OF 60 LBS. OR MORE IN BOTH TENSION AND COMPRESSION. THE TENSILE TEST MUST ALLOW FOR A 5 DEGREE OFFSET OF THE CONNECTION IN ANY DIRECTION.</li> <li>c. THE ACTUAL AVERAGE HEIGHT OF THE CEILING SYSTEM, INCLUDING GRID, PANELS OR TILE, LIGHT FIXTURES, AND AIR TERMINALS MUST BE 2.5 PSF OR LESS. ALL OTHER SERVICES MUST BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM. FOR CEILINGS THAT HAVE AN AVERAGE WEIGHT GREATER THAN 2.5 PSF, THE CEILING MAY BE INSTALLED AS SPECIFIED IN ZONE 3-4 PROVISIONS, TAKING INTO ACCOUNT THE DESIGN LATERAL FORCE FACTOR APPROPRIATE FOR ZONE 2. OTHER DEVIATIONS OR VARIATIONS MUST BE SUSTAINED BY VERIFIABLE ENGINEERING DATA.</li> <li>d. THE CEILING SYSTEM CANNOT BE USED TO PROVIDE LATERAL SUPPORTS FOR WALLS OR PARTITIONS. WALLS OR PARTITIONS MAY BE ATTACHED TO THE CEILING GRID PROVIDED THEY ALLOW THE CEILING MEMBRANE TO MOVE LATERALLY TO ACCOMMODATE THE REQUIRED CLEARANCE AS SPECIFIED BELOW.</li> </ul>	<p>e. ALL PERIMETER CLOSURE ANGLES OR CHANNELS MUST PROVIDE A SUPPORT LEDGE OF APPROXIMATELY 7/8 INCH OR GREATER. A TERMINAL END OF A GRID MEMBER (OR TILE) MUST REST ON THE LEDGE OR MOLDING WITH AT LEAST 3/8 INCH CLEARANCE FROM AN EDGE OR WALL. REVEAL (SHADOW) EDGE WALL CLOSURES SHOULD ACCOMMODATE THESE CLEARANCES. FOR PERIMETER CLOSURE ANGLES THAT PROVIDE A SUPPORT LEDGE OF LESS THAN NOTED ABOVE, THE TERMINAL ENDS OF EACH CROSS RUNNER OR MAIN RUNNER SHALL BE INDEPENDENTLY SUPPORTED WITHIN 8 INCHES FROM EACH WALL OR CEILING DISCONTINUITY. THIS SUPPORT MAY BE A NO. 12 GAUGE HANGER WIRE OR OTHER SUPPORT THAT PREVENTS THE GRID FROM FALLING. THIS WIRE DOES NOT NEED TO BE VERTICAL BUT SHOULD NOT HAVE A SLOPE GREATER THAN 1 IN 6 OUT-OF-PLUMB. A 3/8 INCH GRID END CLEARANCE FROM A WALL SHOULD BE MAINTAINED. ALL CEILING PENETRATIONS (COLUMNS, SPRINKLERS, ETC.) AND INDEPENDENTLY SUPPORTED FIXTURES OF SERVICES ARE TO BE CONSIDERED AS PERIMETER CLOSURES THAT ALSO MUST ALLOW THE NOTED CLEARANCES BY USING SUITABLE ESCUTCHEONS OR CLOSURE DETAILS.</p> <p>f. AT WALL CLOSURE LEDGES, THE CROSS RUNNER AND MAIN RUNNER ENDS SHALL BE PREVENTED FROM SPREADING APART FROM EACH OTHER. PERMANENT ATTACHMENT (I.E., POP RIVETS) FOR GRID ALIGNMENT PURPOSES SHALL NOT BE PERMITTED.</p> <p>g. REFER TO A711-7 AND 8.</p> <p>d. CONTRACTOR SHALL PATCH AND REPAIR ANY DAMAGE OR PENETRATIONS AT ALL ELEMENTS TO REMAIN (INCLUDING BUT NOT LIMITED TO WALLS, CEILINGS, FLOORS, ETC.) CAUSED BY DEMOLITION ACTIVITIES OR REMOVAL OF ELECTRICAL, MECHANICAL, AND ARCHITECTURAL ELEMENTS. REPLACE ITEMS NOT REPAIRABLE TO ORIGINAL STATE. EXISTING FINISH MATERIALS SHALL BE PROTECTED AND RETAINED, UNLESS OTHERWISE NOTED.</p> <p>e. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL FOR THE SCOPE OF WORK ASSOCIATED WITH EACH DISCIPLINE.</p>		<p>KEY PLAN</p> <p>SECOND FLOOR REFLECTED CEILING PLAN AREA C - PHASE 1</p> <p>1 SHEET</p> <p>A232C ORIGINAL SHEET SIZE 30" x 42"</p>

## DRAWING INDEX

PROFESSIONAL ENGINEER  
STATE OF IDAHO  
JOSEPH HUFF  
19613

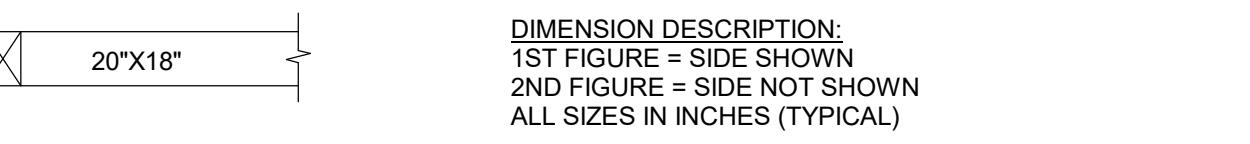
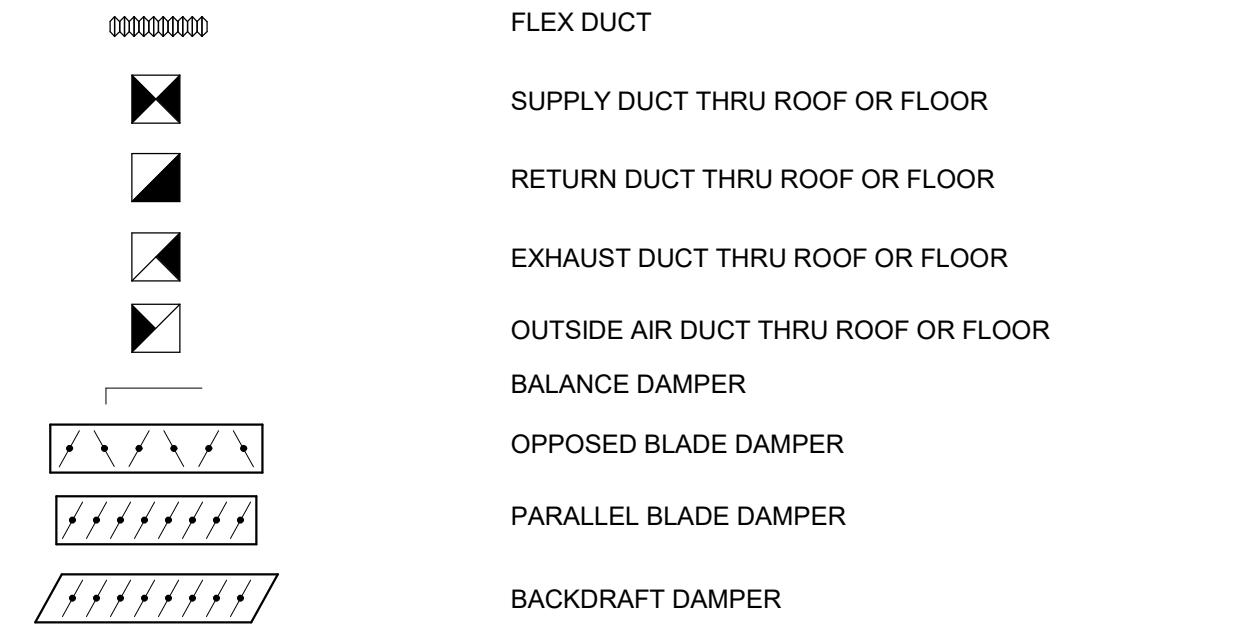
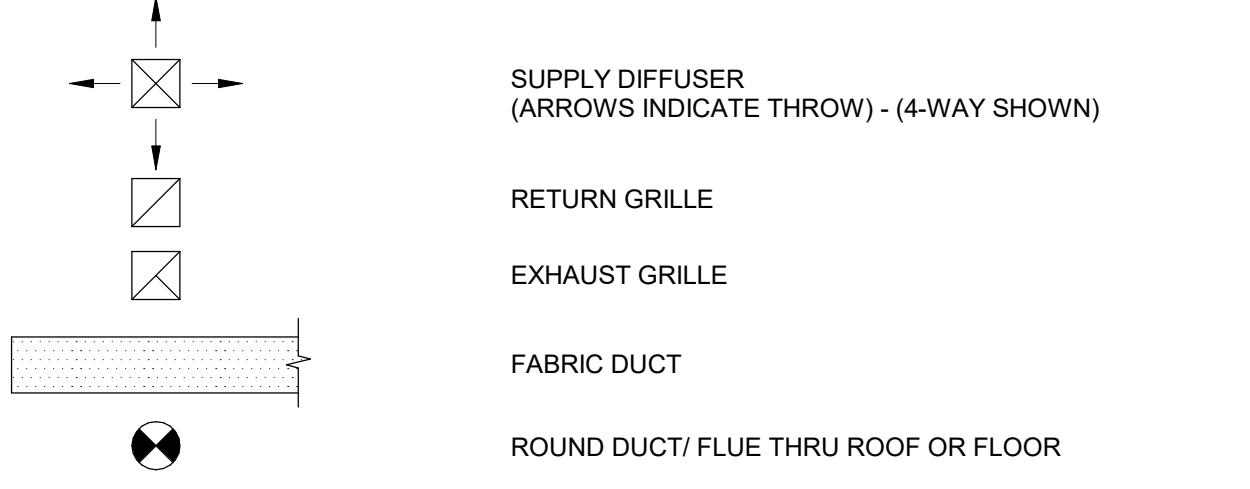
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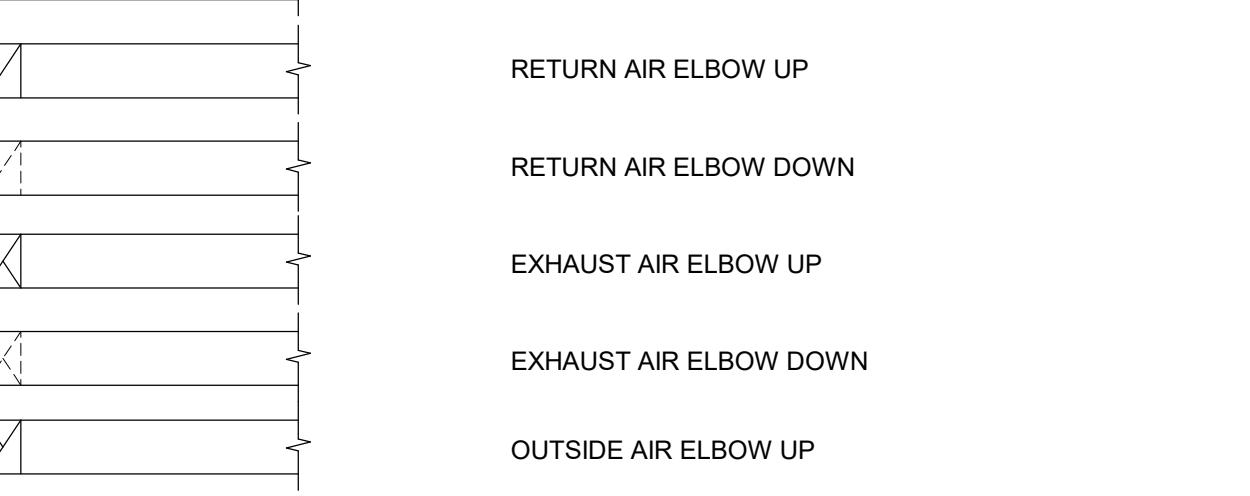
## HVAC ABBREVIATIONS

(D)	DEMOLISH	IE	INVERT ELEVATION
(E)	EXISTING	IECC	INTERNATIONAL ENERGY
(N)	NEW	IFGC	INTERNATIONAL FUEL GAS CODE
(R)	RELOCATE	IMC	INTERNATIONAL MECHANICAL CODE
AC	AIR CONDITIONING	IRC	INCHES OF WATER COLUMN
ACCU	AIR COOLED CONDENSING UNIT	INSUL	INSULATION, INSULATE
AQU	AIR CONDITIONING UNIT	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AFG	ABOVE FINISHED GRADE	LBS	POUNDS
AHU	AIR HANDLING UNIT	LVR	LOUVER
AL	ALUMINUM	MA	MILLAMPS
APD	AIR PRESSURE DROP	MAX	MAXIMUM
APPROX	APPROXIMATE	MC	MINIMUM CIRCUIT AMPACITY
ARCH	ARCHITECT, ARCHITECTURAL	MECH	MECHANICAL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS	MFR	MANUFACTURER
AUTO	AUTOMATIC	MIS	MISCELLANEOUS
BD	BAROMETRIC DAMPER	MOCP	MAXIMUM OVER CURRENT PROTECTION
BDD	BACH DRAFT DAMPER	MTD	MOUNTED
BHD	BRIDGE HORSE POWER	MUA	MAKE UP AIR UNIT
BLDG	BUILDING	MUA	NOMINAL
BOD	BOTTOM OF DUCT	NC	NORMALLY CLOSED
BOT	BOTTOM	NIC	NOT IN CONTRACT
BTU	BRITISH THERMAL UNIT	NO	NORMALLY OPEN
C	COMMON	NO/#	NUMBER
CW	COORDINATE WITH	NOM	NOMINAL
CAB	CABINET	NTS	NOT TO SCALE
CFU	CUBIC FEET PER MINUTE	OBD	OPPOSED BLADE DAMPER
CL	CENTERLINE	OC	ON CENTER
CLG	CEILING	OD	OUTSIDE DIAMETER
CONC	CONCRETE	OPNG	OPENING
D	DEPTH, DEEP	PH	PREFABRICATED
DB	DRY BLD TEMPERATURE	PSF	POUNDS PER SQUARE FOOT
DDC	DIRECT DIGITAL CONTROL	PSI	POUNDS PER SQUARE INCH
DIA	DIA	PVC	POLYVINYL CHLORIDE
DIFF	DIFFUSER	R/RAD	RADIUS
DN	DOWN	RA	RETURN AIR
DS	DEW POINT SENSOR	RE	REFERENCE
DUC	DOOR UNDER CUT	REG	REGISTER
DWG	DRAWING	REQ'D	REQUIRED
EA	EXHAUST AIR	RG	RETURN AIR GRILLE
EAT	EVAPORATING AIR TEMPERATURE	RH	REHEAT
EER	ENERGY EFFICIENCY RATIO	RM	ROOM
EF	EXHAUST FAN	RPM	REVOLUTIONS PER MINUTE
EFF	EFFICIENCY	RR	RETURN REGISTER
EQ	EXHAUST GRILLE	RS	REFRIGERANT SUCTION
EL	ELEVATION	RTU	ROOFTOP UNIT
ELEC	ELECTRIC, ELECTRICAL	SA	SUPPLY AIR
ELEV	ELEVATOR	SCHED	SCHEDULE
EQUIP	EQUIPMENT	SD	SMOKE DETECTOR
ESP	EXTERRIOR STATIC PRESSURE	SEER	SEASONAL ENERGY EFFICIENCY RATIO
EXH	EXHAUST	SG	SUPPLY AIR GRILLE
EXT	EXTERIOR	SHT	SHEET
F	FAHRENHEIT	SP	STATIC PRESSURE
FCU	FAN COIL UNIT	SPEC(S)	SPECIFICATIONS
FD	FIRE DAMPER	STD	STANDARD
FLA	FULL LOAD AMPS	TD	TEMPERATURE DIFFERENCE
FP	FIRE PROTECTION	TS	TEMPERATURE SENSOR
FPM	FEET PER MINUTE	TXV	TERMAL EXPANSION VALVE
FSU	COMBINATION FIRE/SMOKE DAMPER	TYP	TYPICAL
FT	FT	UH	UNIT HEATER
FT HD	FEET OF HEAD	UV	UNIT VENTILATOR
FUR	FURNACE	VAV	VARIABLE AIR VOLUME
G	GAS	VD	VOLUME DAMPER
GA	GAUGE	VEL	VELOCITY
GAL	GAL	VFD	VARIABLE FREQUENCY DRIVE
GALV	GALVANIZED	VVF	VARIABLE IN FIELD
GC	GENERAL CONTRACTOR	VVR	VARIABLE VOLUME-FAN POWERED
GPM	GALLONS PER MINUTE	W	WIDE, WIDTH
HP	HORSEPOWER	W/	WITH
HS	HUMIDITY SENSOR	W/O	WITHOUT
HT	HEIGHT/HIGH	WB	WET BULB TEMPERATURE
HTR	HEATER	WC	WATER COLUMN
HVAC	HEATING/VENTILATION, AIR CONDITIONING		
HW	HOT WATER (DOMESTIC)		
HX	HEAT EXCHANGER		
IBC	INTERNATIONAL BUILDING CODE		
ID	INSIDE DIAMETER		

## MECHANICAL DUCTWORK SYMBOLS

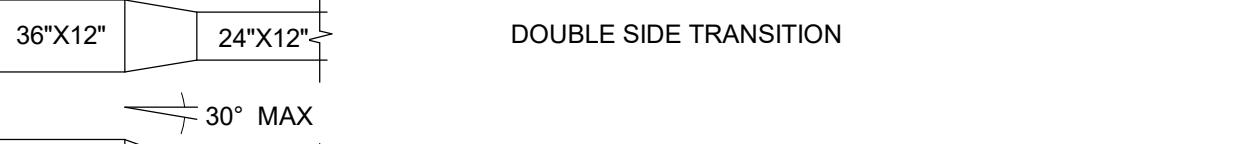


DIMENSION DESCRIPTION:  
1ST FIGURE = SIDE SHOWN  
2ND FIGURE = SIDE NOT SHOWN  
ALL SIZES IN INCHES (TYPICAL)



RETURN AIR ELBOW UP

RETURN AIR ELBOW DOWN



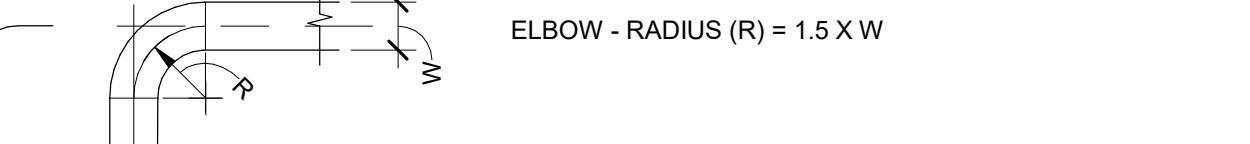
EXHAUST AIR ELBOW UP

EXHAUST AIR ELBOW DOWN

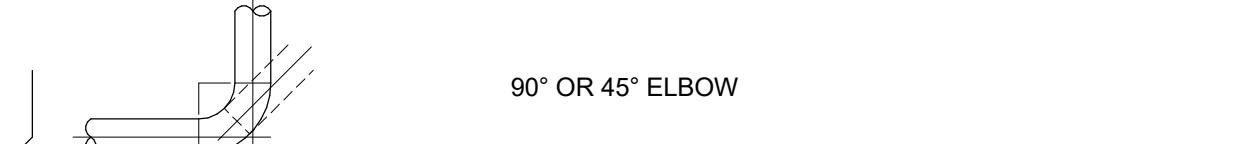


OUTSIDE AIR ELBOW UP

OUTSIDE AIR ELBOW DOWN



DOUBLE SIDE TRANSITION

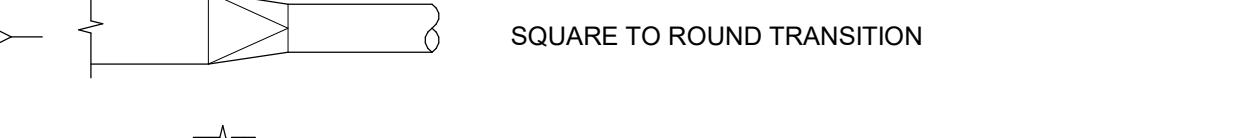


SINGLE SIDE TRANSITION



ELBOW UP

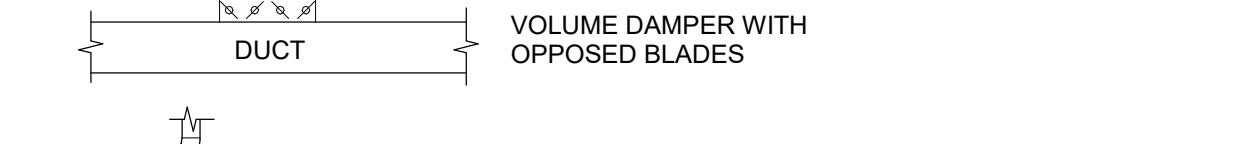
ELBOW DOWN



ELBOW - RADIUS (R) = 1.5 X DIA



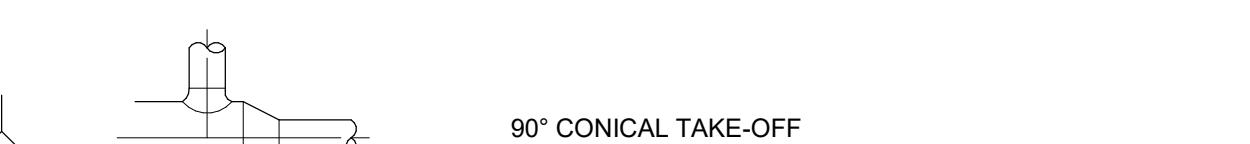
ELBOW - RADIUS (R) = 1.5 X W



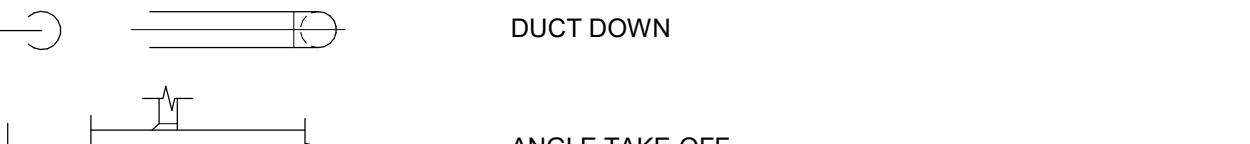
90° OR 45° ELBOW



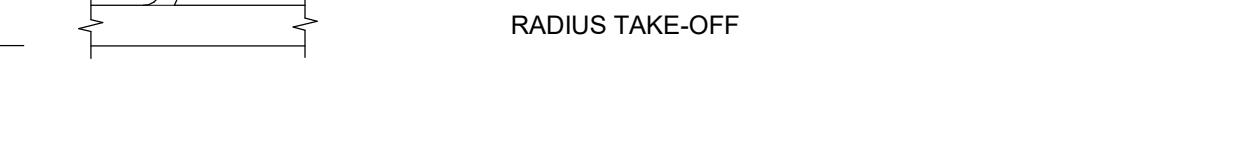
90° TAKE-OFF



SIZE TRANSITION



SQUARE TO ROUND TRANSITION



90° MITERED BELOW



DUCT DOWN



ACOUSTICALLY-LINED DUCTWORK



VOLUME DAMPER WITH  
OPPOSED BLADES



RADIUS SPLITTER TAKE-OFF



45° TAKE-OFF



90° CONICAL TAKE-OFF



DUCT DOWN

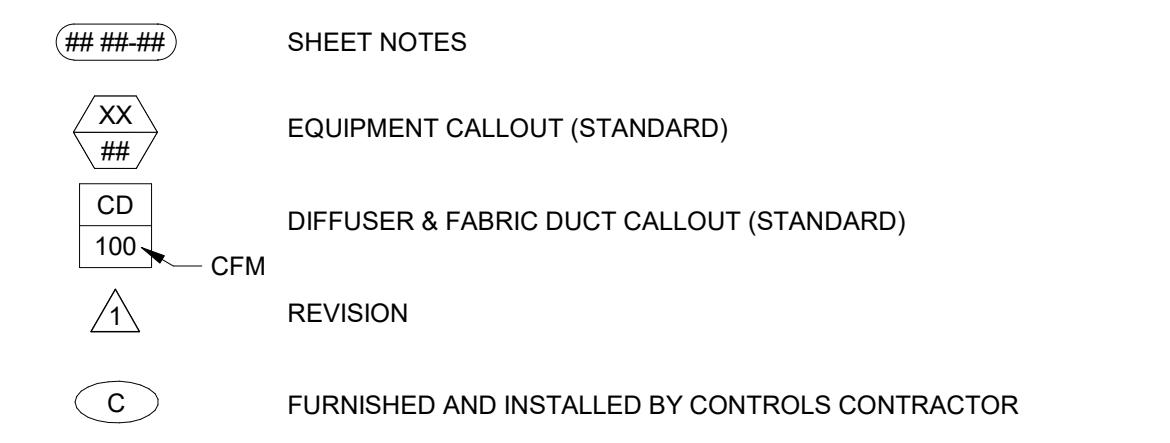


ANGLE TAKE-OFF



RADIUS TAKE-OFF

## MECHANICAL PIPING SYMBOLS



COMBINATION FIRE/SMOKE DAMPER

SMOKE DETECTOR (DUCT MOUNTED)

SUPPLY AIR ELBOW UP

SUPPLY AIR ELBOW DOWN

RETURN AIR ELBOW UP

RETURN AIR ELBOW DOWN

EXHAUST AIR ELBOW UP

EXHAUST AIR ELBOW DOWN

OUTSIDE AIR ELBOW UP

OUTSIDE AIR ELBOW DOWN

DOUBLE SIDE TRANSITION

SINGLE SIDE TRANSITION

ELBOW UP

ELBOW DOWN

ELBOW - RADIUS (R) = 1.5 X DIA

ELBOW - RADIUS (R) = 1.5 X W

90° OR 45° ELBOW

90° TAKE-OFF

SIZE TRANSITION

SQUARE TO ROUND TRANSITION

90° MITERED BELOW

DUCT DOWN

ACOUSTICALLY-LINED DUCTWORK

VOLUME DAMPER WITH  
OPPOSED BLADES

RADIUS SPLITTER TAKE-OFF

45° TAKE-OFF

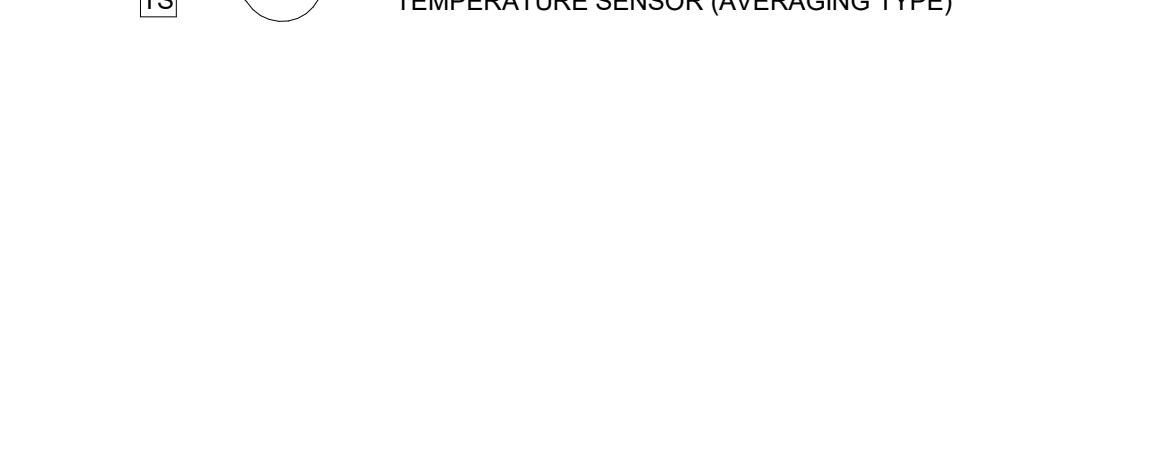
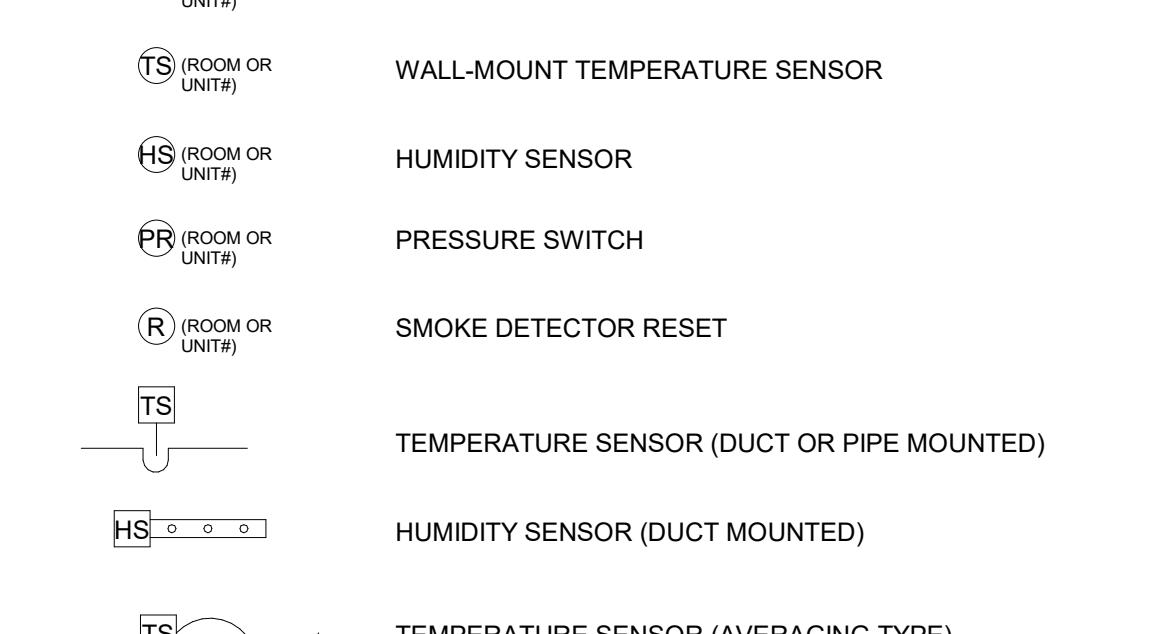
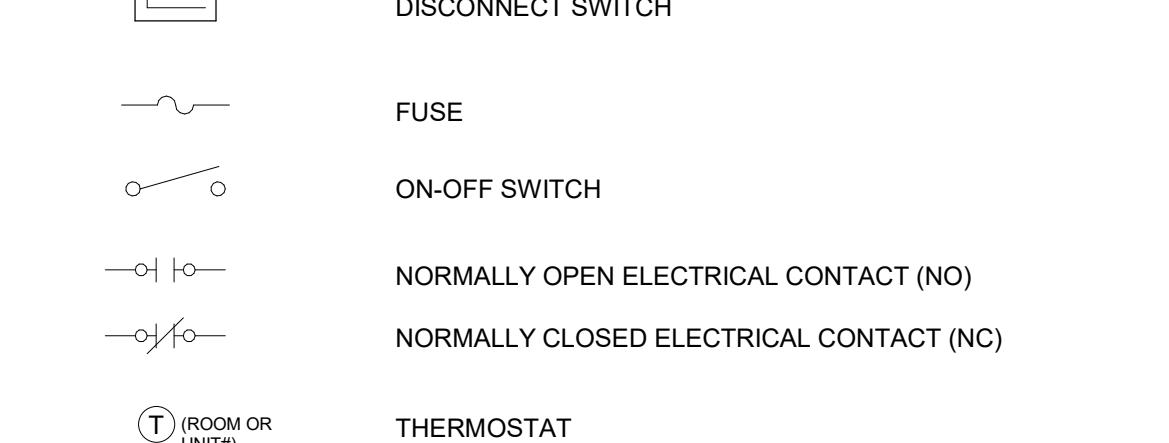
90° CONICAL TAKE-OFF

DUCT DOWN

ANGLE TAKE-OFF

RADIUS TAKE-OFF

## MECHANICAL CONTROLS SYMBOLS



COMBINATION FIRE/SMOKE DAMPER

SMOKE DETECTOR (DUCT MOUNTED)

SUPPLY AIR ELBOW UP

SUPPLY AIR ELBOW DOWN

RETURN AIR ELBOW UP

RETURN AIR ELBOW DOWN

EXHAUST AIR ELBOW UP

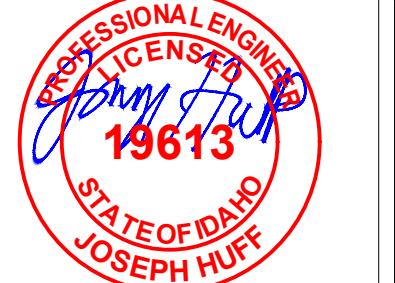
EXHAUST AIR ELBOW DOWN

OUTSIDE AIR ELBOW UP

OUTSIDE AIR ELBOW DOWN

&lt;p



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EXECUTION OF THE CONTRACT WHICH WAS MADE  
WITHOUT CONTRACTUAL OBLIGATION.

## GENERAL NOTES:

- A. DEMOLITION: REMOVE ALL DUCTWORK, VAV UNITS AND AIR OUTLETS FROM THE FORMER TENANT SPACE, AND ELSEWHERE AS NECESSARY, AND DISPOSE OF OFF SITE.
- B. LOCATIONS OF POINTS OF CONNECTION TO TENANT SUPPLY AIR DUCT ARE APPROXIMATE. VERIFY ACTUAL LOCATIONS OF ALL POINTS OF CONNECTION IN FIELD.
- C. ALL WORK SHALL COMPLY WITH THE OWNERS REQUIREMENTS, AND WITH ALL APPLICABLE STATE AND LOCAL CODES, OR AUTHORITY HAVING JURISDICTION.
- D. HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATING FINAL LOCATIONS OF DIFFUSERS, REGISTERS AND GRILLES WITH ARCHITECTURE, REFLECTED CEILING PLANS. CONTRACTOR SHALL NOT DEVIATE FROM REFLECTED CEILING PLAN UNLESS THERE ARE EXTENUATING JOB SITE CONDITIONS.
- E. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS. VISIT THE JOBSITE, TAKE ALL NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. ALLOWANCES WILL NOT BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.
- F. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF OTHER TRADES, NOTIFY THE CONTRACTOR AND THE ARCHITECT AT THE TIME OF RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.
- G. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

## #### SHEET NOTES:

- 50 10-01 DEMOLISH ALL LOW-PRESSURE DUCTWORK ASSOCIATED WITH VAV UNIT AND REMOVE OFFSITE. VERIFY LOCATION AND LAYOUT OF DUCTWORK AS WELL AS DEMOLITION REQUIREMENTS ON SITE BEFORE START OF WORK. VAV UNIT SHALL REMAIN. INSTALL NEW DUCTWORK PER HVAC PLANS.
- 50 10-02 DETERMINE LOCATION OF THERMOSTAT ASSOCIATED WITH VAV IN-FIELD AND DETERMINE IF THERMOSTAT IS TO BE RELOCATED PER HVAC FLOOR PLANS, RE: M212 THRU M22.
- 50 10-03 DEMOLISH EXISTING DIFFUSER/GRILLE AND REMOVE OFFSITE. VERIFY LOCATION AND REQUIREMENTS IN-FIELD BEFORE START OF WORK.
- 50 10-04 DEMOLISH DUCTWORK IN SHADED AREA AS SHOWN AND REMOVE OFFSITE.

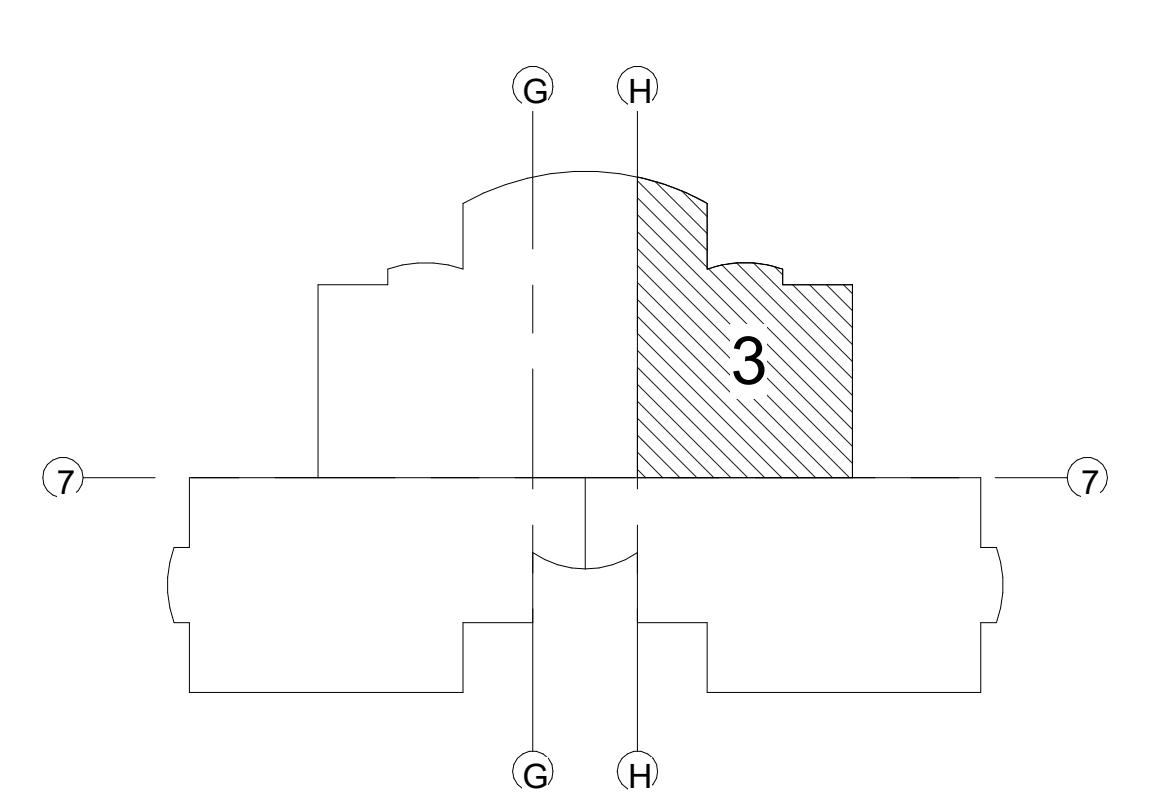
LEGEND:  
(RE: M00 FOR ADDITIONAL INFORMATION)

NEW	EXISTING	TO BE DEMOLISHED
—	—	DUCTWORK
—	—	MECHANICAL EQUIPMENT
—	—	MECHANICAL ROOFTOP EQUIPMENT

## PERMIT SET

PROJECT 23317	DATE 10-04-24
DRAWN JF	CHECKED JH
REVISED	

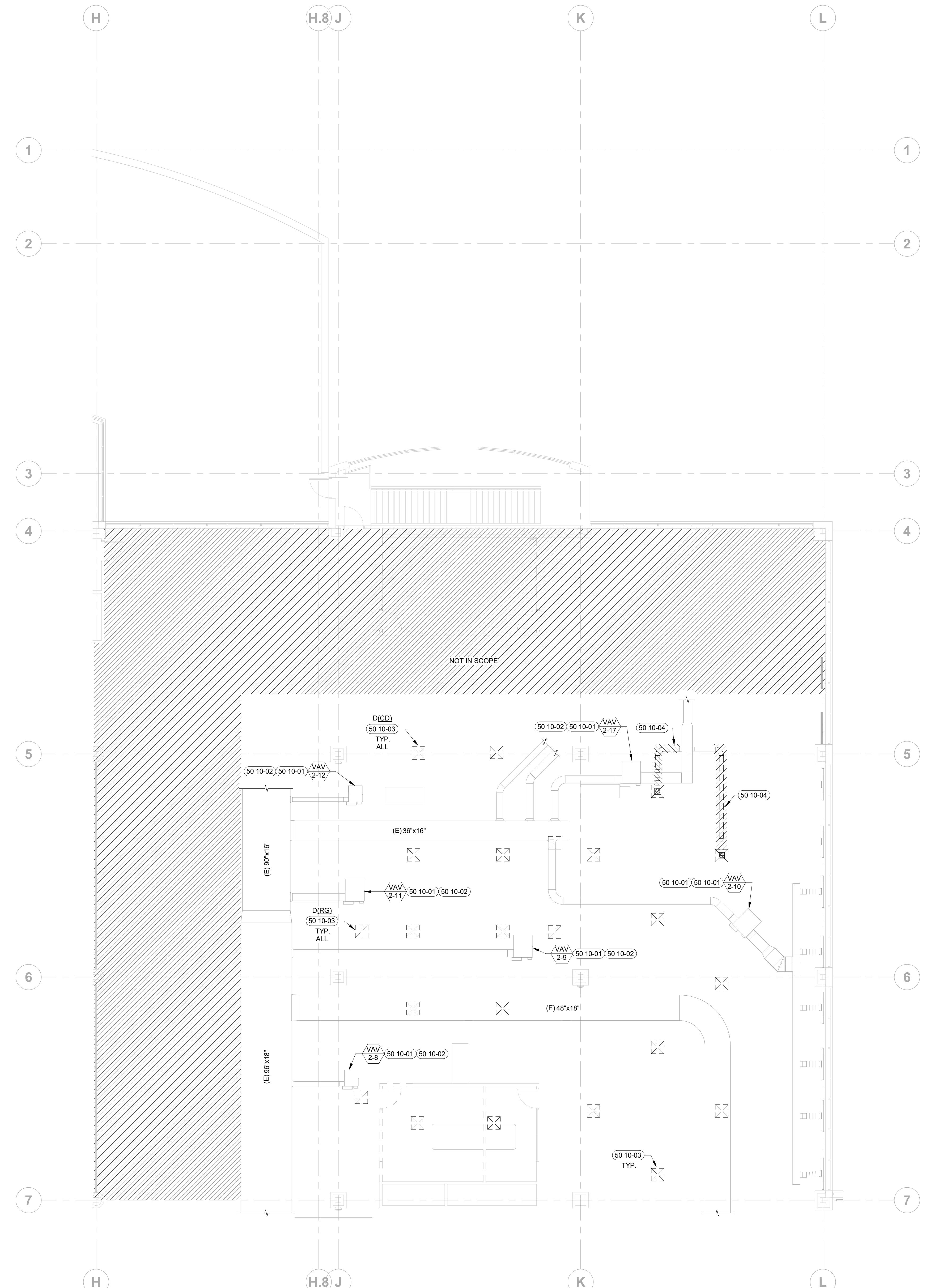
## KEY PLAN



SHEET TITLE  
DEMO  
MECHANICAL  
PLAN LEVEL 2 -  
QUADRANT 3

SHEET

M121

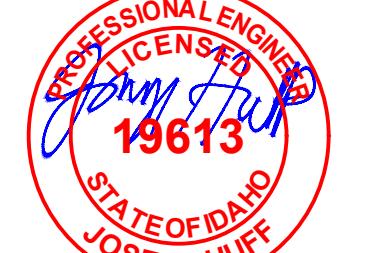
ORIGINAL SHEET SIZE  
30" x 42"

1 HVAC DEMO PLAN - LEVEL 2 QUADRANT 3  
1/8" = 1'-0"



## GENERAL NOTES:

- A. FOR LOW PRESSURE DUCTWORK, WHERE RECTANGULAR DUCT IS INDICATED ON PLANS, EQUIVALENT SIZE ROUND DUCT MAY BE USED. EQUIVALENT SIZE RECTANGULAR DUCT MAY BE USED IN PLACE OF ROUND DUCT, EXCEPT IN EXPOSED AREA. EQUIVALENT RECTANGULAR SIZE MAY NOT BE USED ON DUCTS EXPOSED TO VIEW OR AS INDICATED OTHERWISE.
- B. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRANSITIONS TO AVOID CONFLICT WITH OTHER DUCTWORK, PIPING, STRUCTURE, ETC. AS PART OF THIS CONTRACT, WHEREVER AVAILABLE SPACE ALLOWS, OFFSETS SHALL BE MADE WITH 45 DEGREE ELBOWS WITH TURNING VANEES.
- C. DUCTWORK SIZES NOTED ON DRAWINGS ARE FREE AREA SIZES. HVAC CONTRACTOR SHALL BE RESPONSIBLE TO COMPENSATE FOR INSULATION, ETC.
- D. ALL SQUARE SUPPLY DIFFUSERS SHALL BE 4-WAY THROW UNLESS INDICATED OTHERWISE ON PLAN.
- E. PROVIDE TURNING VANES IN ALL MITERED ELBOWS AND BULL HEAD TEES.
- F. PROVIDE ACCESS DOORS IN DUCTWORK FOR RESETTING OF FIRE/SMOKE DAMPERS WHERE INDICATED AND AS REQUIRED BY SPECIFICATIONS OR CODE.
- G. FIRE DAMPERS SHALL BE 1-1/2 HOUR RATED UNLESS OTHERWISE NOTED. RE: DIVISION 23 SECTION "AIR DUCT ACCESSORIES" FOR SPECIFICATIONS.
- H. ALL WIRING, PIPING, AND EQUIPMENT INSTALLED IN PLENUMS SHALL BE PLENUM RATED OR INSTALLED IN CONDUIT.
- I. THERMOSTATS, TEMPERATURE SENSORS, AND CO<sub>2</sub> SENSORS SHALL BE INSTALLED AT 48" AFF UNLESS NOTED OTHERWISE. COORDINATE JUNCTION BOX INSTALLATION WITH ELECTRICAL CONTRACTOR.
- J. PIPING PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE FIRESTOPPED IN ACCORDANCE WITH 2015 IBC SECTION 713.
- K. OUTSIDE AIR INTAKES SHALL BE INSTALLED WITH A MINIMUM SEPARATION OF 10'-0" FROM ALL EXHAUST AIR DISCHARGE, GAS FLUES, AND PLUMBING VENTS.
- L. MATERIALS UTILIZED WITHIN RETURN PLENUMS SHALL HAVE A FLAME-Spread INDEX OF NOT MORE THAN 25, AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.
- M. ALL EXPOSED DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL CEILING PLANS, COORDINATE WITH CONSTRUCTION MANAGER.
- N. RETURN AIR PATH FOR EXISTING MECHANICAL SYSTEM SHALL BE PRESERVED.



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LICENSURE  
19613  
STATE OF IDAHO  
JOSEPH HUFF

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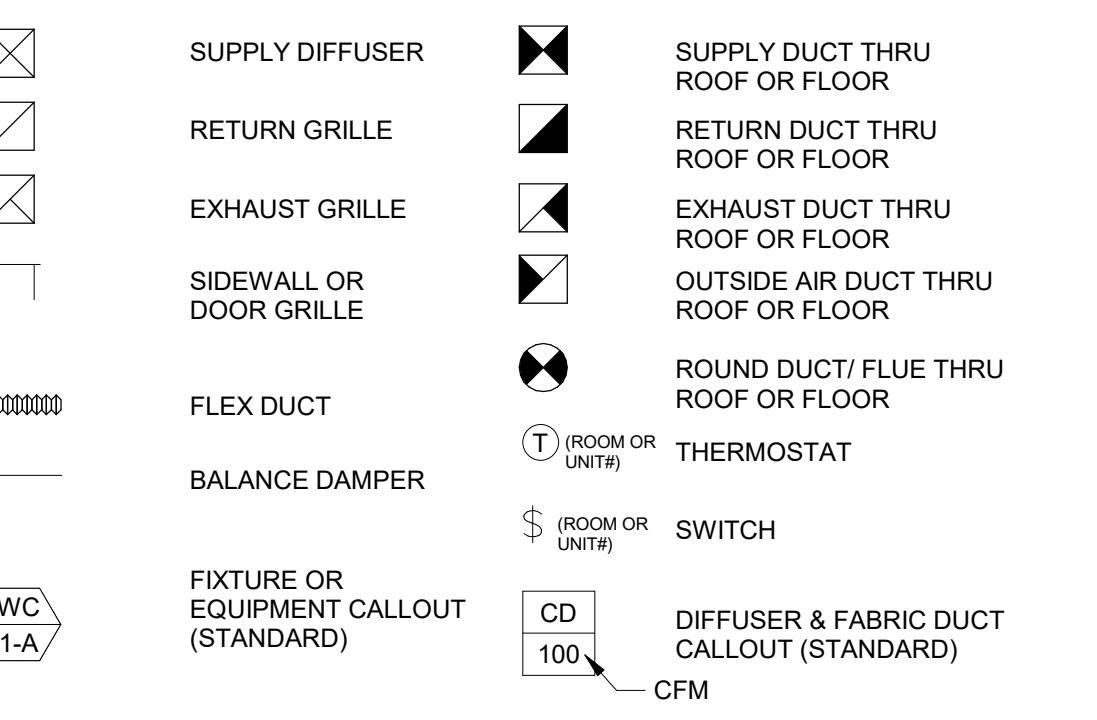
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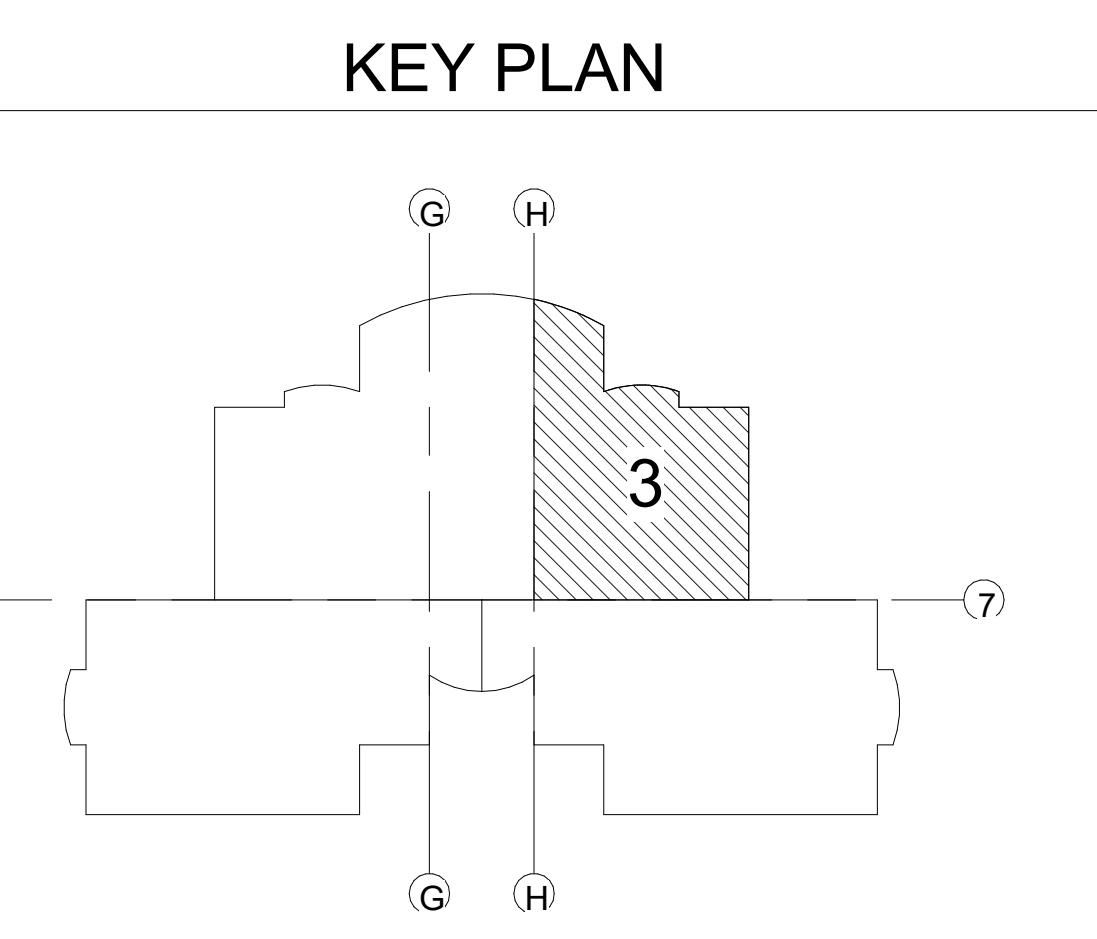
- 23 09-01 RELOCATED THERMOSTAT. VERIFY LOCATION OF EXISTING THERMOSTAT IN FIELD AND LOCATE AS SHOWN.  
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 23 33-03 EXISTING VAV TO REMAIN. REBALANCE EXISTING VAV TO AIRFLOW AS SPECIFIED IN HVAC SCHEDULE.  
 23 33-04 EXISTING PERIMETER VAV TO REMAIN.

## LEGEND:

(RE: M00 FOR ADDITIONAL INFORMATION)



## KEY PLAN



SHEET TITLE  
HVAC PLAN  
LEVEL 2 -  
QUADRANT 3

SHEET

M221

ORIGINAL SHEET SIZE  
30" x 42"

1 HVAC PLAN - LEVEL 2 QUADRANT 3

PROFESSIONAL ENGINEER  
LICENSURE  
19613  
STATE OF IDAHO  
JOSEPH HUFF

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## SHEET NOTES:

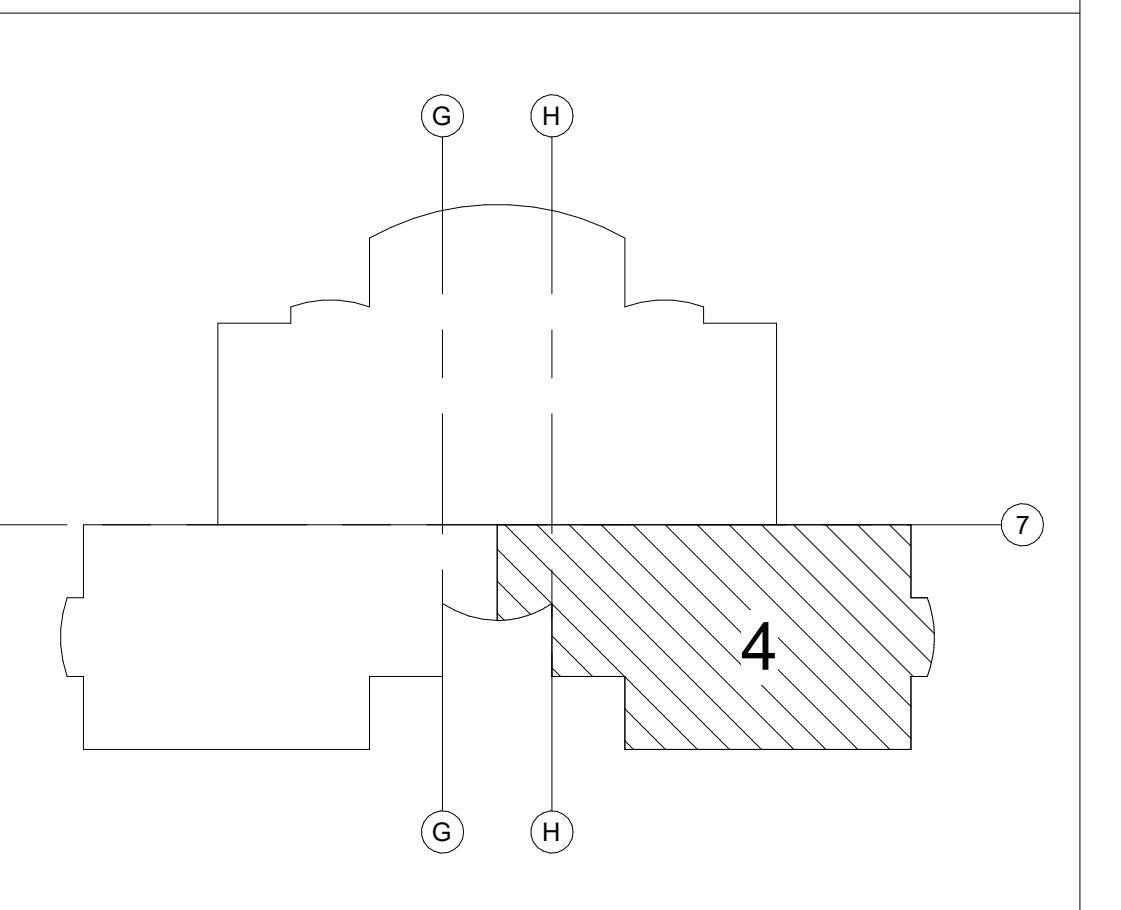
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- 23 33-03 REBALANCE SYSTEM AS REQUIRED TO OBTAIN SPECIFIED AIRFLOW. EXISTING VAV TO REMAIN. REBALANCE EXISTING VAV TO AIRFLOW AS SPECIFIED IN HVAC SCHEDULES.
- 23 33-04 EXISTING PERIMETER VAV TO REMAIN.
- 23 33-05 EXISTING PERIMETER VAV TO REMAIN. CONNECT NEW DUCTWORK AND DIFFUSERS AS SHOWN AND REBALANCE SYSTEM.

## LEGEND:

(RE: M00 FOR ADDITIONAL INFORMATION)

	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	SIDEWALL OR DOOR GRILLE
	FLEX DUCT
	BALANCE DAMPER
	FIXTURE OR EQUIPMENT CALLOUT (STANDARD)
	WCD 1-A
	DIFFUSER & FABRIC DUCT CALLOUT (STANDARD)
CD 100	CFM

## KEY PLAN



SHEET TITLE  
HVAC PLAN  
LEVEL 2 -  
QUADRANT 4

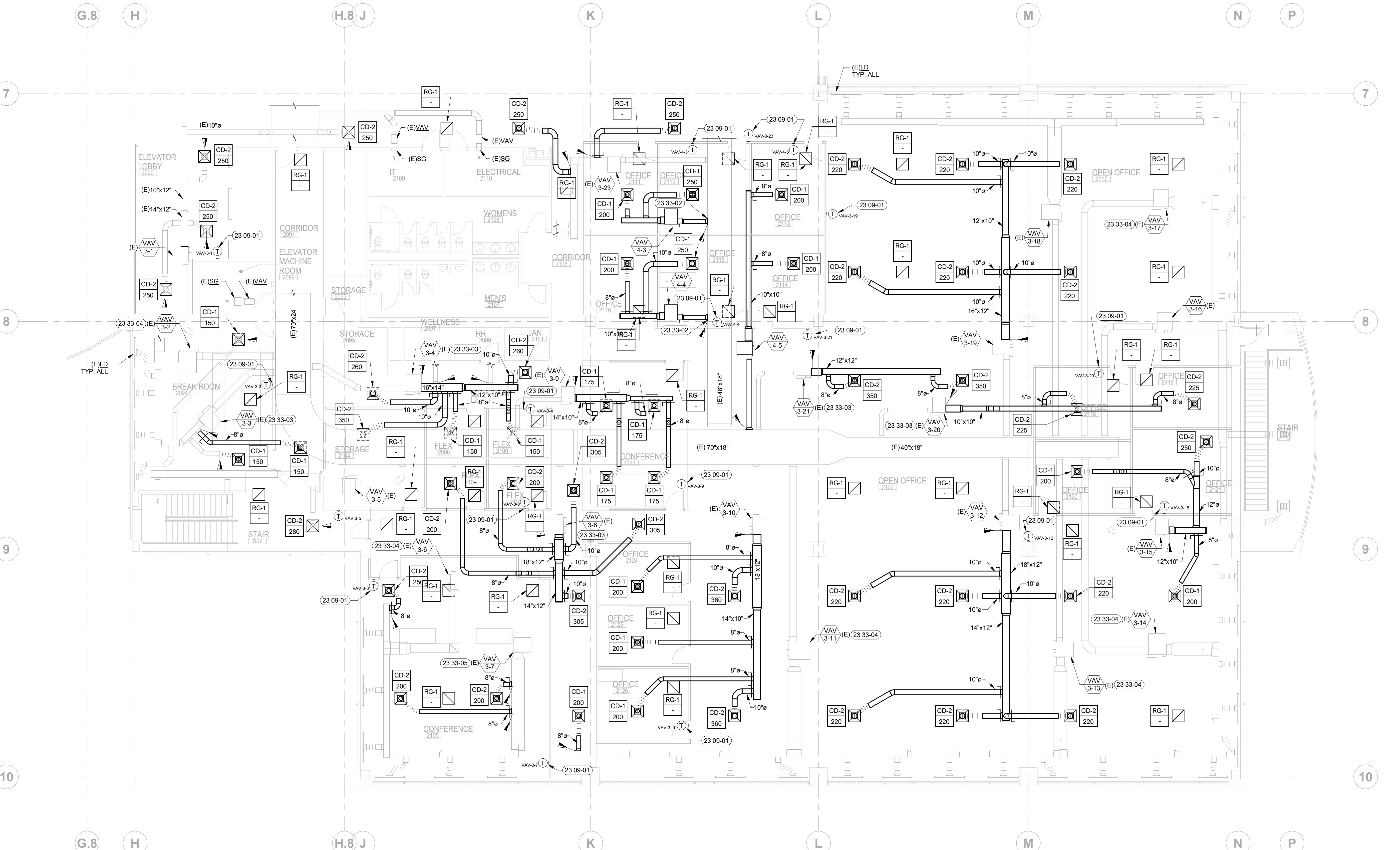
SHEET

M222

ORIGINAL SHEET SIZE  
30" x 42"

1 HVAC PLAN - LEVEL 2 QUADRANT 4

1/8" = 1'-0"



PROFESSIONAL ENGINEER  
John Huff  
19613

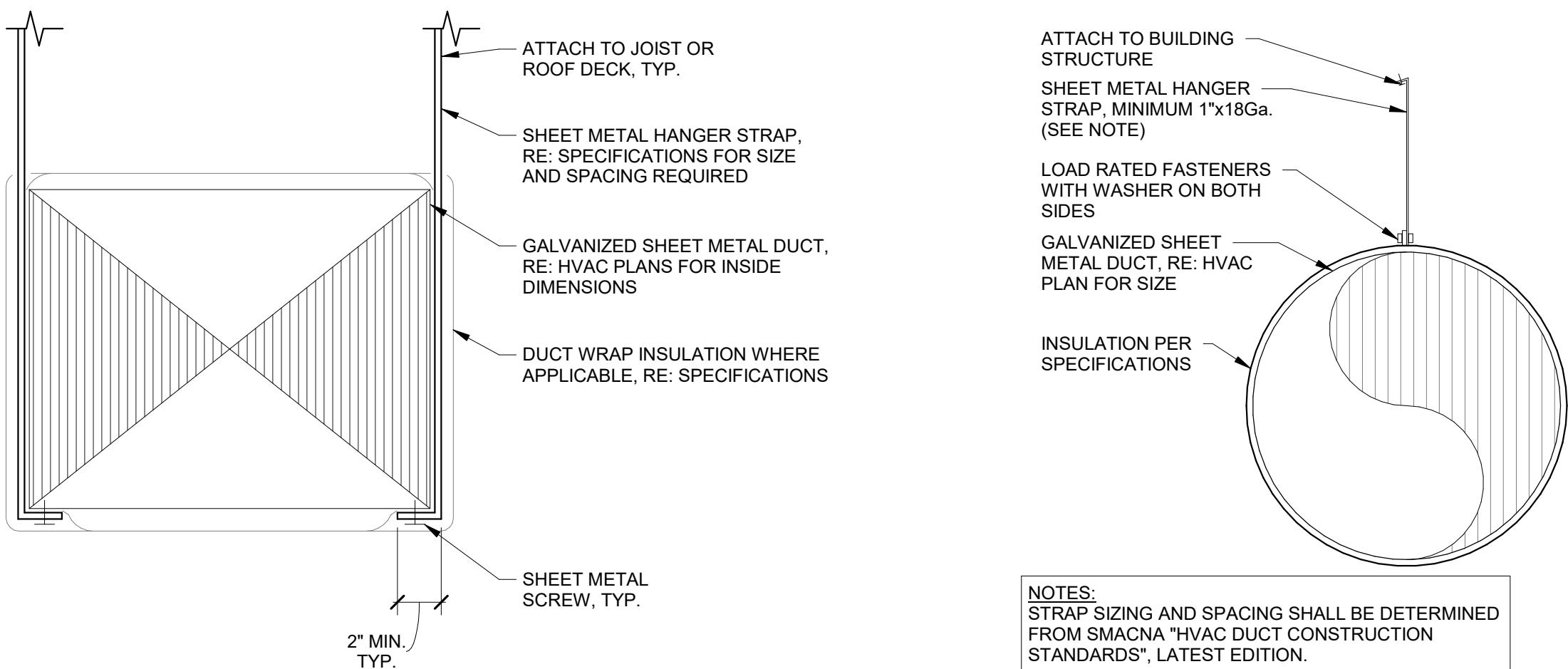
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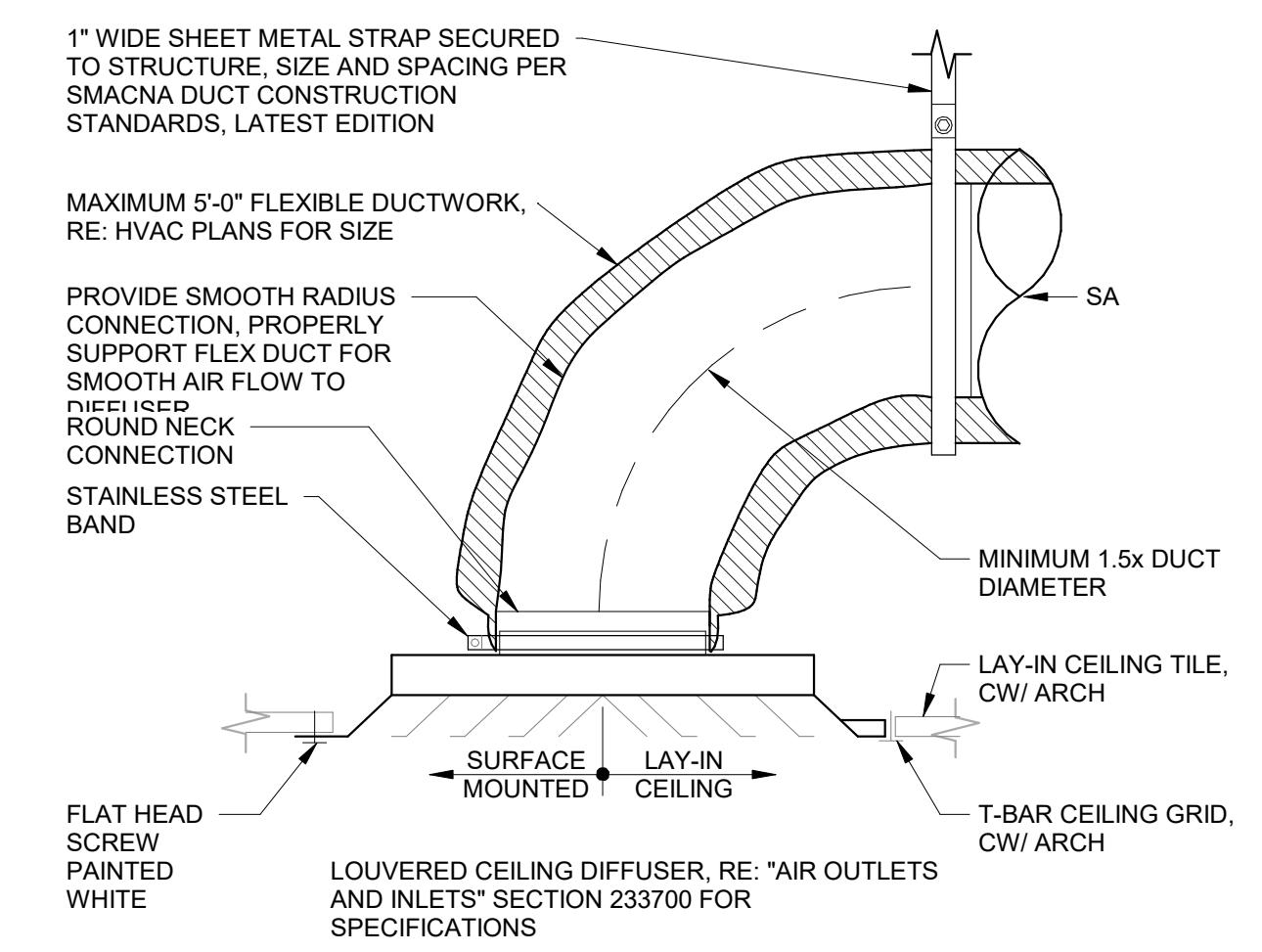
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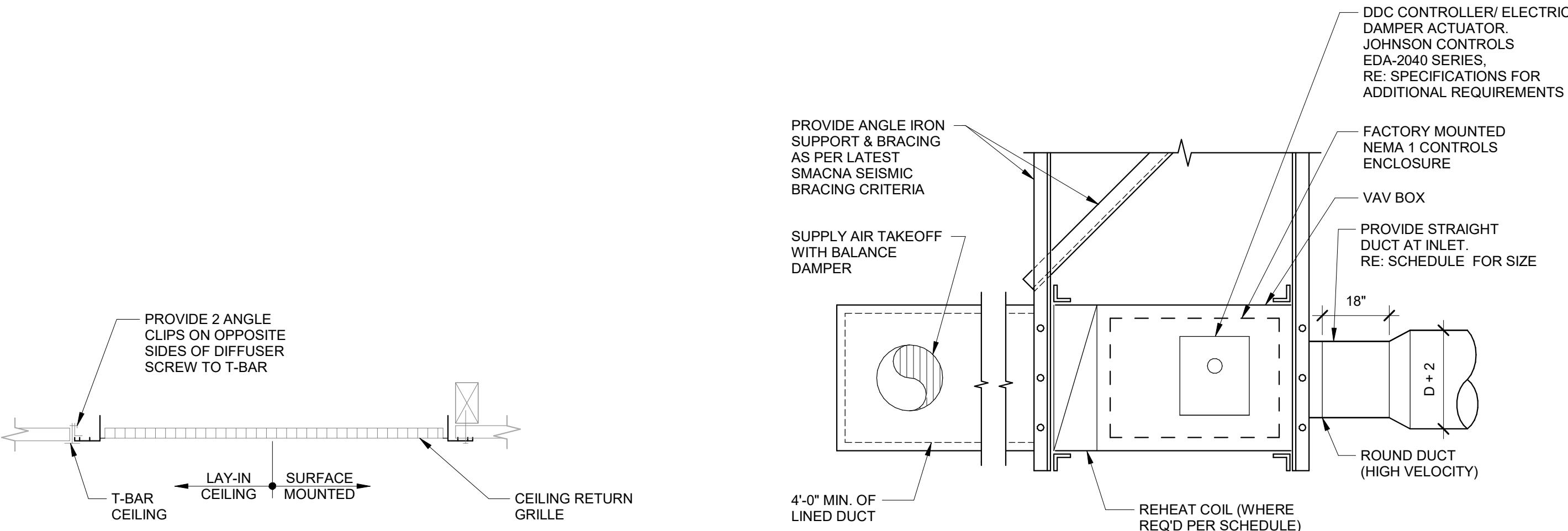
<http://www.csheq.com>



**1** RECTANGULAR DUCT SUPPORT  
NTS



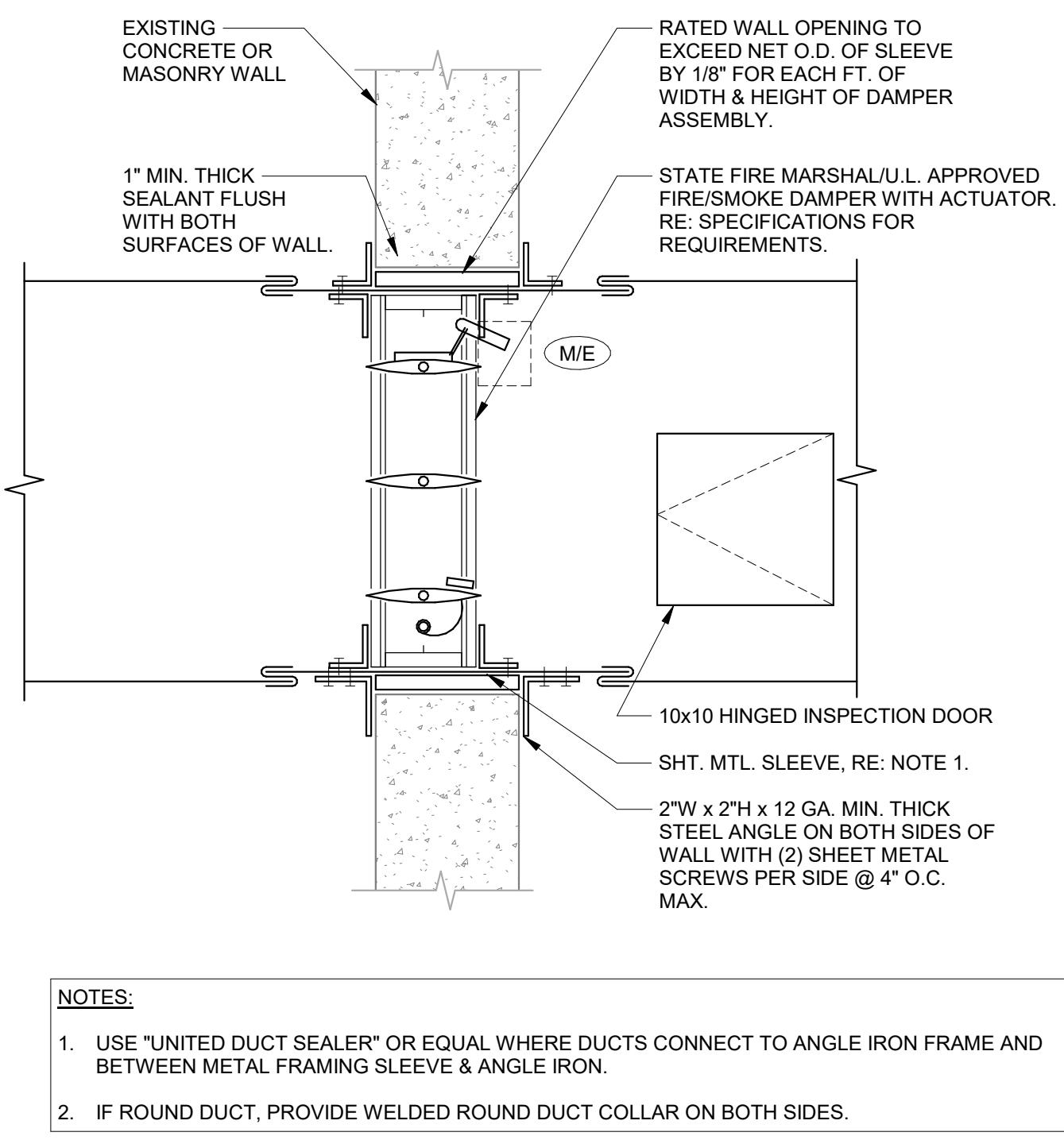
**2** ROUND DUCT SUPPORT  
NTS



**3** CEILING DIFFUSER CONNECTION  
NTS

**4** CEILING RETURN CONNECTION  
NTS

**5** VAV TERMINAL BOX SUPPORT WITH REHEAT  
NTS



**6** 1-1/2 HOUR FIRE/SMOKE DAMPER  
NTS

**ACHD HEADQUARTERS TENANT IMPROVEMENT  
5800 MEEKER AVE.**

**CSHQ4**

**ACHD**

**PERMIT SET**

PROJECT 23317	DATE 10-04-24
DRAWN JF	CHECKED JH
REVISED	

SHEET TITLE

**HVAC DETAILS**

SHEET

**M711**

ORIGINAL SHEET SIZE  
30" x 42"

**CODE REQUIRED OUTSIDE AIR VENTILATION RATES (2018 IMC)**

SPACE NAME	OCCUPANCY CATEGORY	TOTAL AREA SQ. FT.	AREA OUTDOOR AIR RATE CFM/SQ. FT.	CODE REQ'D CFM BASED ON FLOOR AREA	NO. OF. PEOPLE	PEOPLE OUTDOOR AIR RATE CFM/PERS ON	CODE REQ'D CFM BASED ON PEOPLE	TOTAL CODE REQ'D OSA	ZONE AIR DIST. EFF.	SPACE OSA CFM	DESIGN OSA CFM PROVIDED	REMARKS
(E) VAV												
1014 CORRIDOR	CORRIDOR	469	0.06	28	0	0	0	28	0.8	35	62	1
VAV-1-1										35	62	
1004 MAIL ROOM	OFFICE - ENCLOSED	268	0.06	16	1	5	6	22	0.8	28	33	1
1006 VESTIBULE	CORRIDOR	163	0.06	10	0	0	0	10	0.8	12	16	1
1056 CORRIDOR	CORRIDOR	465	0.06	28	0	0	0	28	0.8	35	16	1, 2
VAV-1-2										75	65	
1002 RECEPTION	LOBBY - OFFICE	451	0.06	27	63	5	314	341	0.8	426	166	1, 2
VAV-1-3										426	166	
1008 BREAK RM	GENERAL - BREAK ROOM	675	0.06	40	13	5	64	104	0.8	130	130	1
VAV-1-4 & 1-27										130	130	
1009 CORRIDOR	CORRIDOR	515	0.06	31	0	0	0	31	0.8	39	41	1
VAV-1-4 THRU 1-8 & 1-28										39	41	
1010 OPEN OFFICE	CORRIDOR	3401	0.06	204	0	0	0	204	0.8	255	483	1
VAV-1-8										255	483	
1015 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	20	1
1016 OFFICE	OFFICE - ENCLOSED	187	0.06	11	1	5	4	16	0.8	20	25	1
1017 OFFICE	OFFICE - ENCLOSED	187	0.06	11	1	5	4	16	0.8	20	25	1
1018 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	20	1
VAV-1-9										70	90	
1013 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	16	1
1014 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	16	1
1019 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	16	1
1020 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	16	1
VAV-1-11 THRU 1-18										62	64	
1023 OPEN OFFICE	OFFICE - OPEN PLAN	5065	0.06	304	24	5	118	422	0.8	527	725	1
VAV-1-12, 18, 27, 28										527	725	
1024 CORRIDOR	CORRIDOR	860	0.06	52	0	0	0	52	0.8	65	76	1, 2
VAV-1-27										65	76	
1011 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	16	1
1012 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	16	1
1021 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	16	1
1022 OFFICE	OFFICE - ENCLOSED	150	0.06	9	1	5	3	12	0.8	16	16	1
VAV-2-8										62	64	
2078 FLEX	OFFICE - ENCLOSED	89	0.06	5	0	5	2	7	0.8	9	9	1
2079 FLEX	OFFICE - ENCLOSED	82	0.06	5	0	5	2	7	0.8	9	9	1
2080 FLEX	OFFICE - ENCLOSED	82	0.06	5	0	5	2	7	0.8	9	9	1
2081 FLEX	OFFICE - ENCLOSED	82	0.06	5	0	5	2	7	0.8	9	9	1
2082 FLEX	OFFICE - ENCLOSED	82	0.06	5	0	5	2	7	0.8	9	9	1
VAV-2-9, 2-10, & 2-11										43	45	
2089 OPEN OFFICE	OFFICE - OPEN PLAN	3439	0.06	206	16	5	80	286	0.8	358	372	1
VAV-2-11										358	372	
2084 OFFICE	OFFICE - ENCLOSED	231	0.06	14	1	5	5	19	0.8	24	25	1
VAV-2-13										24	25	
2083 OFFICE	OFFICE - ENCLOSED	231	0.06	14	1	5	5	19	0.8	24	25	1
VAV-2-17										24	25	
2071 OPEN OFFICE	OFFICE - OPEN PLAN	151	0.06	9	1	5	4	13	0.8	16	30	1, 2
2085 OFFICE	OFFICE - ENCLOSED	270	0.06	16	1	5	6	22	0.8	28	28	1
VAV-3-1 & 3-23										44	58	
2000 CORRIDOR	CORRIDOR	191	0.06	11	0	0	0	11	0.8	14	150	1, 2
VAV-3-3										14	150	
2091 CORRIDOR	CORRIDOR	429	0.06	26	0	0	0	26	0.8	32	65	1, 2
2094 BREAK ROOM	GENERAL - BREAK ROOM	652	0.06	39	12	5	62	101	0.8	126	130	1

**CODE REQUIRED OUTSIDE AIR VENTILATION RATES (2018 IMC)**

SPACE NAME	OCCUPANCY CATEGORY	TOTAL AREA SQ. FT.	AREA OUTDOOR AIR RATE CFM/SQ. FT.	CODE REQ'D CFM BASED ON FLOOR AREA	NO. OF. PEOPLE	PEOPLE OUTDOOR AIR RATE CFM/PERS ON	CODE REQ'D CFM BASED ON PEOPLE	TOTAL CODE REQ'D OSA	ZONE AIR DIST. EFF.	SPACE OSA CFM	DESIGN OSA CFM PROVIDED	REMARKS
VAV-3-4												158
2096 CORRIDOR	CORRIDOR	343	0.06	21	0	0	0	21	0.8	26	51	1, 2
2098 FLEX	OFFICE - ENCLOSED	80	0.06	5	0	5	2	7	0.8	8	15	1
2100 FLEX	OFFICE - ENCLOSED	82	0.06	5	0	5	2	7	0.8	9	15	1
2104 STORAGE	OCCUPIABLE STORAGE ROOM FOR DRY MATERIALS	270	0.06	16	1	5	3	19	0.8	24	35	1
VAV-3-5												66
S07 STAIR	CORRIDOR	394	0.06	24	0	0	0	24	0.8	30	84	1
VAV-3-6 THRU 3-7												30
2105 CONFERENCE	CONFERENCE ROOM	1120	0.06	67	32	5	160	227	0.8	284	230	1, 3
VAV-3-8												284
2102 FLEX	OFFICE - ENCLOSED	84	0.06	5	0	5	2	7	0.8	9	20	1
2103 FLEX	OFFICE - ENCLOSED	82	0.06	5	0	5	2	7	0.8	9	20	1
2106 CORRIDOR	CORRIDOR	947	0.06	57	0	0	0	57	0.8	71	81	1, 2
VAV-3-9										88	121	
2123 CONFERENCE	CONFERENCE ROOM	415	0.06	25	12	5	59	84	0.8	105	70	1, 3
VAV-3-10										105	70	
2124 OFFICE	OFFICE - ENCLOSED	152	0.06	9	1	5	4	13	0.8	16	20	1
2125 OFFICE	OFFICE - ENCLOSED	152	0.06	9	1	5	4	13	0.8	16	20	1
2126 OFFICE	OFFICE - ENCLOSED	185	0.06	11	1	5						

PROFESSIONAL ENGINEER  
LICENSURE  
19613

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## FAN POWERED TERMINAL UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	OPERATING WEIGHT LBS.	LOCATION	MIN/MAX PRIMARY AIRFLOW	EXISTING AIRFLOW	NEW DESIGN AIRFLOW	EXTERNAL APD IN. WC.	RETURN FAN CFM	FAN MOTOR ELECTRICAL			HEATER ELECTRICAL			REMARKS	
										MOTOR POWER	PHASE	VOLTS	SPEED CONTROL	PHASE	VOLTS	HEATER KW	
VAV-1-1	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	401/800	650	650	0.400	220	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-2	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1651/2100	1660	1660	0.400	750	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-3	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1201/1650	1300	1300	0.400	575	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-4	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	801/1200	970	970	0.400	425	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-5	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1201/1650	1300	1300	0.400	450	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-6	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	801/1200	940	940	0.400	425	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-7	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1201/1650	1340	1340	0.400	600	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-8	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1201/1650	1265	1205	0.400	450	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-9	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	401/800	520	640	0.400	200	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-10	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1201/1650	1360	1360	0.400	600	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-11	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1201/1650	1470	1400	0.400	420	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-12	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1201/1650	1470	1440	0.400	515	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-13	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	801/1200	1200	1200	0.400	550	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-14	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	401/800	660	660	0.400	300	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-15	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	250/400	380	380	0.400	175	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-16	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	250/400	360	360	0.400	160	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-18	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	401/800	895	550	0.400	315	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-27	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	401/800	550	600	0.400	200	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-1-28	EXISTING	EXISTING	-	LEVEL 1 QUADRANT 2	1201/1650	1405	1305	0.400	300	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-2-8	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 3	401/800	650	450	0.400	200	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-2-9	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 3	1651/2100	1540	1540	0.400	540	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-2-10	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 3	1651/2100	1650	1650	0.400	750	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-2-11	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 3	1651/2100	780	780	0.400	420	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-2-12	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	401/800	650	500	0.400	420	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-2-17	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1651/2100	1760	1760	0.400	625	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-1	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	801/1200	1000	1000	0.400	350	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-2	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1651/2100	1950	1950	0.400	900	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-3	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1450	1450	0.400	575	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-4	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1440	1350	0.400	500	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-5	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	801/1200	840	840	0.400	375	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-6	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1000	1000	0.400	450	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-7	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1500	1500	0.400	700	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-8	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1320	1315	0.400	460	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-9	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	401/800	650	700	0.400	200	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-10	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1320	1320	0.400	460	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-11	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1651/2100	1600	1600	0.400	800	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-12	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1320	1320	0.400	460	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-13	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1500	1500	0.400	700	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-14	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1651/2100	1350	1350	0.400	600	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-15	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	401/800	650	650	0.400	200	1/4	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-16	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1250	1250	0.400	560	1/2	1	277 V	EXISTING	3	480	EXISTING	1-2
VAV-3-17	EXISTING	EXISTING	-	LEVEL 2 QUADRANT 4	1201/1650	1300	1300	0.400	600	1/2	1	277 V	EXISTING	3	480	EXISTING	