

# FAYETTE COUNTY PUBLIC SCHOOLS

FREDERICK DOUGLASS HIGH SCHOOL  
Carter G. Woodson Academy - Moveable Partitions

2000 Winchester Road  
Lexington, KY 40505

## CONSTRUCTION DOCUMENTS 03/22/22

### DESIGN TEAM:

Architectural:	Tate Hill Jacobs Architects
Mechanical, Electrical & Plumbing:	CMTA Engineers
Structural:	POAGE Engineers

### CODE DATA:

Applicable Code:	2018 Kentucky Building Code, Second Edition
Construction Type:	IIB
Use Group:	(E) Education
Sprinklered:	Yes

### GENERAL NOTE:

Contractor required to obtain any building permits and inspections required. This includes a building occupancy permit before the first day of school if required.

### DRAWING INDEX:

A-0 COVER

### STRUCTURAL:

S-1 STRUCTURAL SUPPORT PLAN AND DETAILS

### ARCHITECTURAL:

A-1 FLOOR PLAN AND REFLECTED CEILING PLAN  
A-2 PARTITION DETAILS

### FIRE PROTECTION:

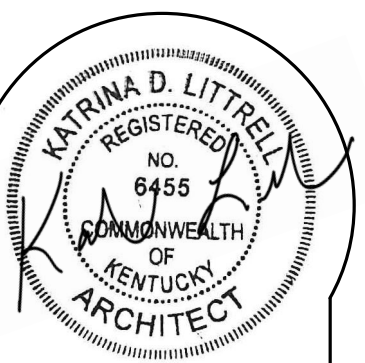
FP-1.01 FIRE PROTECTION PLANS

### MECHANICAL:

M-0.01 MECHANICAL LEGEND  
M-1.01 MECHANICAL PLANS

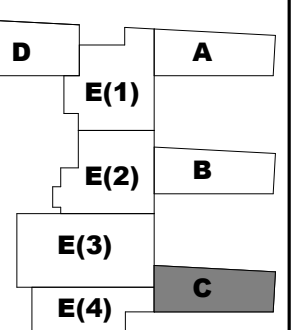
### ELECTRICAL:

E-0.01 ELECTRICAL LEGEND  
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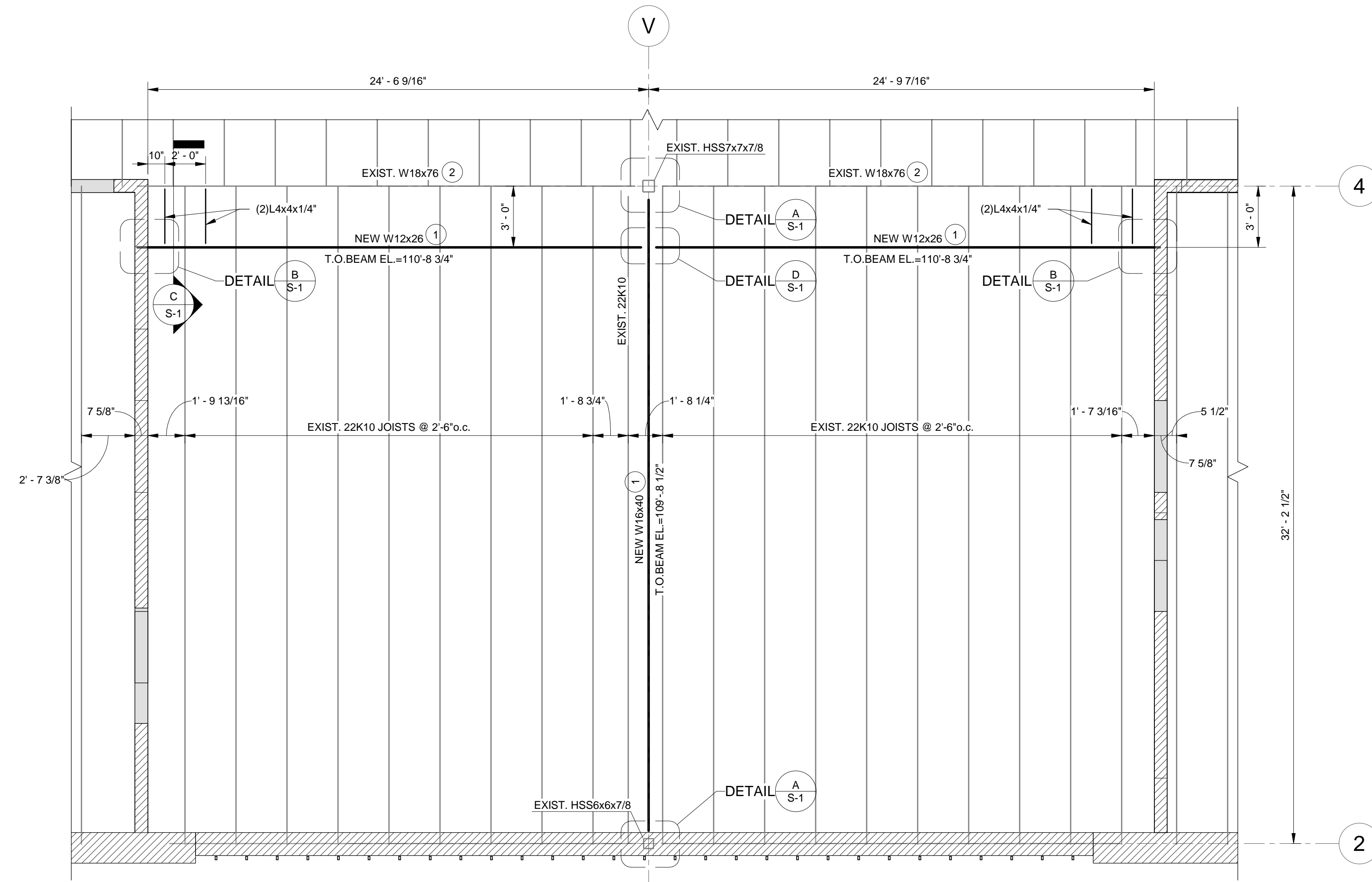
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COVER SHEET  
FDHS Moveable Partitions  
CONSTRUCTION DOCUMENTS  
2000 Winchester Road Lexington, KY 40505



Proj #: 2011  
Date: 03/22/22  
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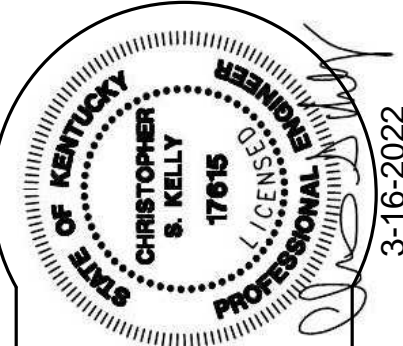
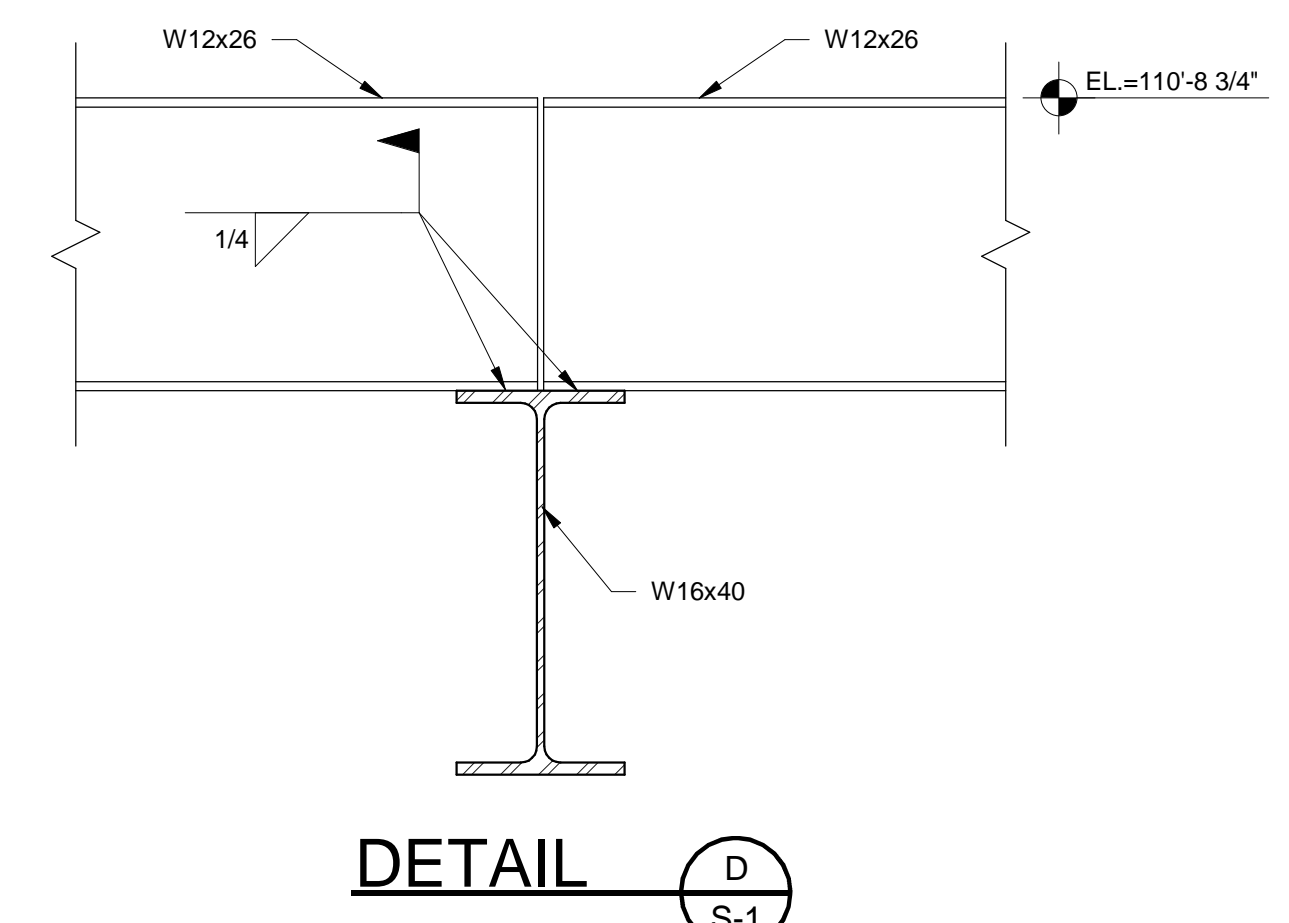
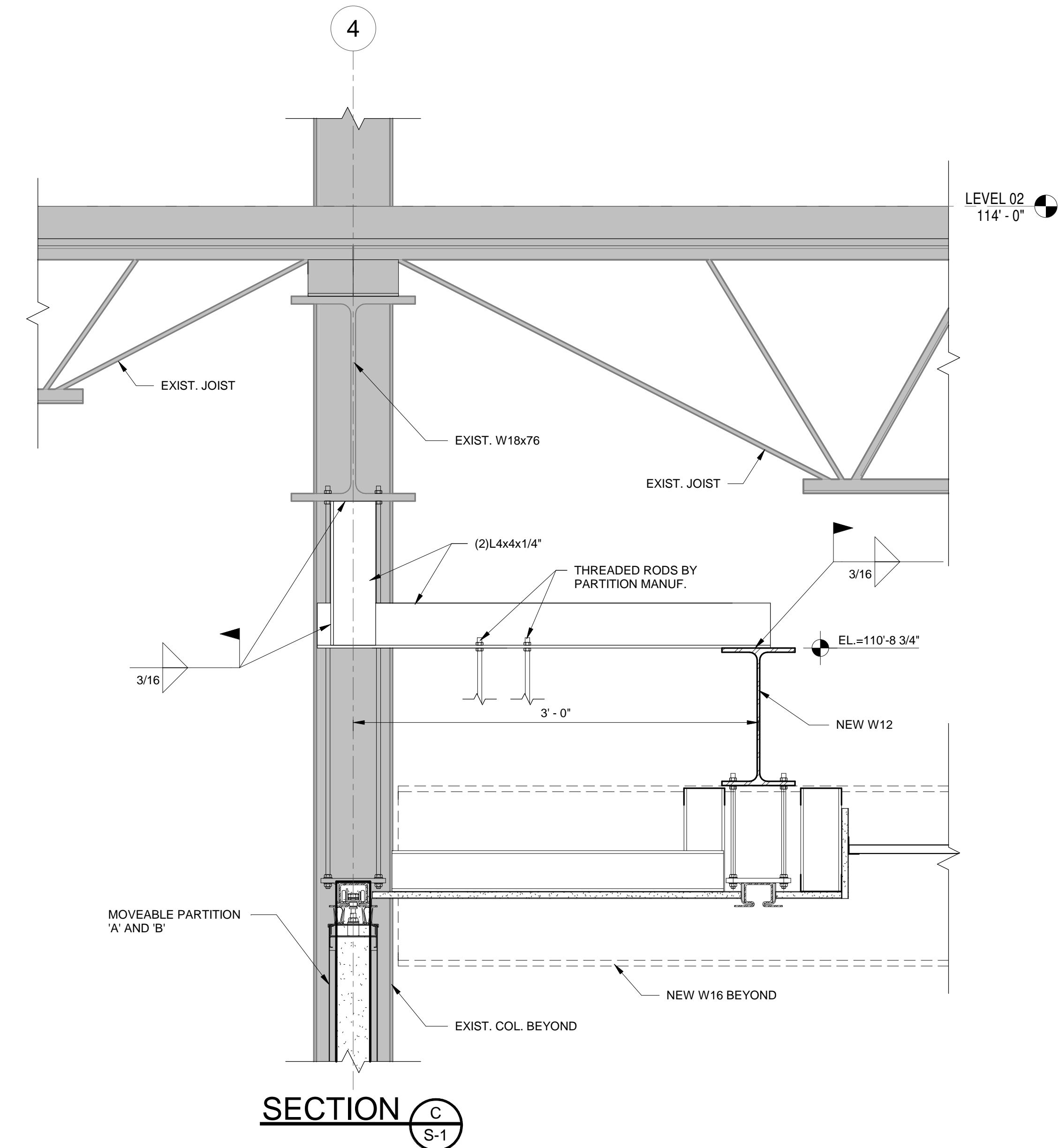
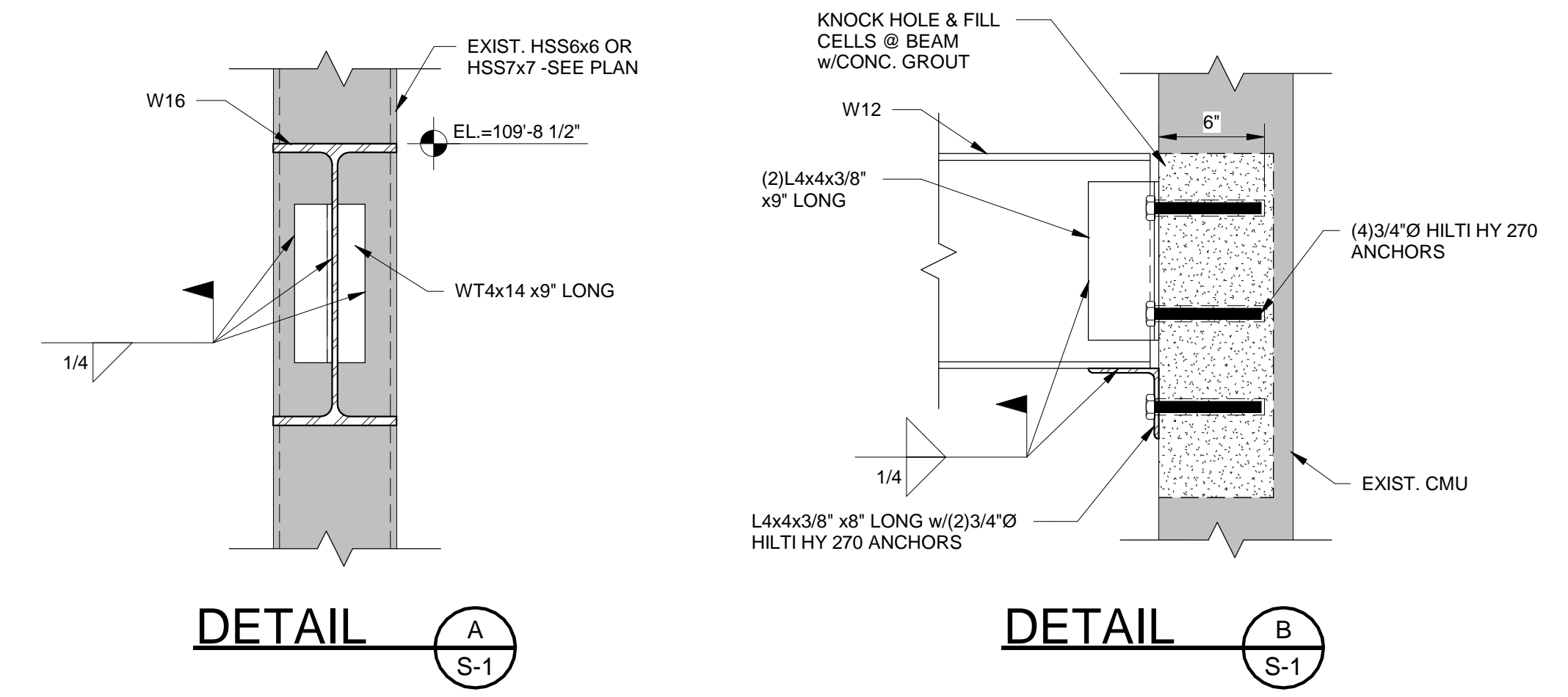


- ① CONTRACTOR TO PROVIDE HOLES IN BOTTOM FLANGE PER FOLDING PARTITION MANUF.
- ② FOLDING PARTITION INSTALLER SHALL DRILL HOLES REQUIRED IN BOTTOM FLANGE & PROVIDE LATERAL TRACK BRACING AS REQUIRED.

**MOVEABLE PARTITION STRUCTURAL SUPPORT PLAN**

**GENERAL NOTES:**

- STRUCTURAL STEEL:**
- All structural steel, except wide flange beams and columns, shall conform to ASTM A36 standard, as outlined in the AISC "Manual of Steel Construction", which contains the specifications for the design, fabrication, and erection of structural steel buildings, and the "Code of Standard Practices", latest edition. Tube columns shall conform to ASTM A500 Grade B. Wide flange beams and columns and WT shapes shall conform to ASTM A992.
  - All bolts for structural steel joint fasteners shall be 3/4" DIA. high strength structural bolts, ASTM A325, Torque Control (Tension Set), unless otherwise noted.
  - All structural steel shall be fabricated and erected in accordance with the latest OSHA regulations regarding steel erection.
  - Contractor shall contact owner's representatives and structural engineer after steel is installed for observation. Items not installed appropriately that require additional observation will need to be paid for directly to the structural engineer on an hourly basis.

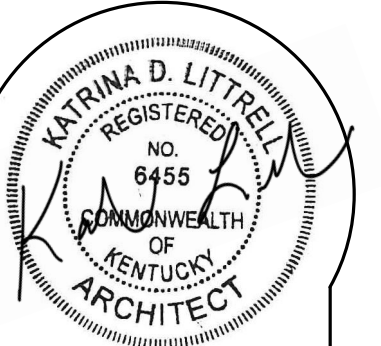


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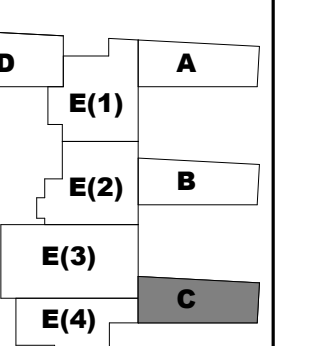
**MOVEABLE PARTITION STRUCTURAL SUPPORT PLAN**  
 FDHS Moveable Partitions  
 CONSTRUCTION DOCUMENTS  
 2000 Winchester Road Lexington, KY 40505

Proj. #:	2011020571
Date:	3/22/2022
Drawn:	
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Revised:	



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**Floor Plan and Reflected Ceiling Plan**  
 FDHS Moveable Partitions  
 CONSTRUCTION DOCUMENTS Lexington, KY 40505  
 2000 Winchester Road



Proj. # 2011-001  
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**A-1**

**GENERAL NOTES:**

1. ALL WORK SHALL CONFORM TO 2018 KENTUCKY BUILDING CODE, SECOND EDITION.
2. ESTABLISH TEMPORARY CONSTRUCTION BARRIERS AS NEEDED TO PROTECT THE PUBLIC.
3. COORDINATE WORK TO ENSURE ALL LIFE SAFETY SYSTEMS REMAIN IN FULL OPERATION IN OCCUPIED AREAS.
4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDERING ANY PRODUCTS OR COMMENCING WORK.
5. COORDINATE STEEL AND NEW MOVEABLE PARTITION HANGER RODS/BRAKETS.
6. PATCH AND REPAIR TO "LIKE NEW" CONDITION ALL EXISTING SURFACES CUT OR ROUTED FOR INSTALLATION OF NEW OR REVISED MECHANICAL AND / OR ELECTRICAL SERVICE. PATCH AND REPAIR TO "LIKE NEW" CONDITION ALL EXISTING CONSTRUCTION AND / OR FINISHES DISTURBED BY DEMOLITION WORK. THIS REQUIREMENT APPLIES TO ANY / ALL LOCATIONS INCLUDING THOSE WHICH ARE NOT REPRESENTED ON THE FLOOR PLAN. COORDINATE WITH THE MECHANICAL AND ELECTRICAL DRAWINGS.
7. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD BEFORE COMMENCING WORK.
8. CONTRACTOR TO PROVIDE ANY/ALL SHORING REQUIRED TO PROTECT EXISTING STRUCTURE AND FINISHES.
9. FOR ALL MEP WORK, COORDINATE ALL UTILITY AND BUILDING SERVICE INTERRUPTIONS WITH OWNER.

**DEMOLITION NOTES:**

1. CONTRACTOR TO PROTECT INTERIOR SPACES, FURNITURE AND EQUIPMENT THAT IS TO REMAIN UNDISBURBED IN CLOSE PROXIMITY TO WORK AREA.
2. CONTRACTOR TO REMOVE ALL ITEMS NECESSARY TO CARRY OUT NEW WORK.
3. PATCH WALL OR CEILING WHERE REQUIRED.
4. DEMO EXISTING GYPSUM AND METAL STUD SOFFIT AS REQUIRED FOR INSTALLATION OF NEW STEEL BEAMS AND ATTACHMENT OF TRACK TO EXISTING STEEL BEAM AT PARTITIONS A AND B. ACT AT CORRIDOR SHALL REMAIN IN TACT. REFERENCE MEP AND STRUCTURAL DRAWINGS.
5. DEMO ACT CEILING AT COMMONS C111 AND C112 FOR INSTALLATION OF NEW PARTITIONS AND MEP WORK.
6. COORDINATE WITH OWNER FOR DISPOSAL / SALVAGE OF ALL MATERIALS SCHEDULED FOR DEMOLITION. ALL OTHER MATERIALS SHALL BE CONSIDERED TRASH AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
7. PROTECT ALL EXTG. FLOORING AS NECESSARY. FLOORING WILL NOT BE REPLACED.
8. REFERENCE STRUCTURAL AND MEP DRAWINGS FOR ADDITIONAL DEMO COORDINATION WORK.
9. CONTRACTOR TO CLEAN UP ALL TRASH AND DEBRIS IN WORK AREA.

**MATERIAL SPECIFICATIONS:**

- METAL STUD FRAMING:**
1. 25 GA. METAL STUDS @ 16" O.C.
  2. FASTENERS: SIZE AND TYPE RECOMMENDED BY MFR. AND SUITED FOR SPECIFIC APPLICATION.
  3. INSTALL SLIP HEAD AT TOP OF METAL FRAMING.
- GYPSUM:**
1. MFR: USG, NATIONAL GYP OR EQUAL.
  2. 5/8" STANDARD GYPSUM
  3. SQUARE CUT ENDS, TAPERED EDGES
  4. FASTENERS: SIZE AND TYPE RECOMMENDED BY MFR. AND SUITED FOR SPECIFIC APPLICATION. SCREW GYPSUM TO METAL STUDS.
  5. PROVIDE METAL CORNER BEADS AT ALL CORNERS AND L TRIM AT EDGES.
  6. LEVEL 4 FINISH ON ALL EXPOSED GYPSUM.

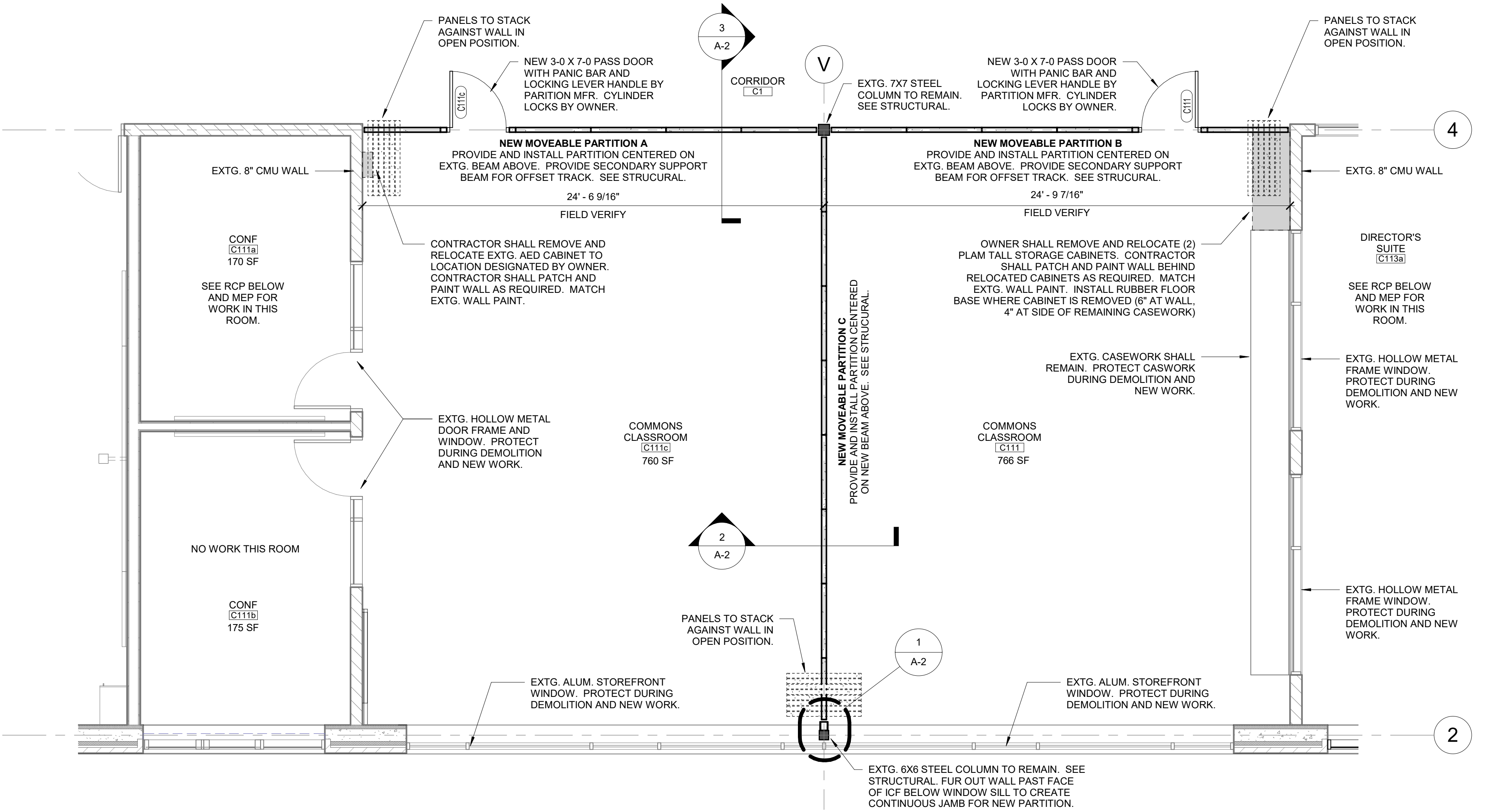
- PAINT:**
1. MFR: SHERWIN WILLIAMS, PPG OR BENJAMIN MOORE.
  2. MATCH EXTG. PAINT COLORS.
  3. ALL PAINT TO BE LOW ODOR/LOW VOC.
  4. APPLY 1 COAT OF LATEX PRIMER SEALER.
  5. APPLY 2 COATS OF INTERIOR LATEX PAINT, EGGSHELL FINISH.
  6. PAINT ALL NEW WIREMOLD AT NEW CONDUIT TO MATCH EXTG. WALL.
- ACOUSTICAL CEILING:**
- INSTALL SYSTEM CAPABLE OF SUPPORTING IMPOSED LOADS WITH MAX. DEFLECTION OF 1/360.

- CEILING GRID:**
1. USG DX 1516" TEE SYSTEM TO MATCH EXTG.
  2. COLOR: WHITE
  3. GALV. STEEL HANGERS
- CEILING TILE:**
1. USG RADAR CLIMAPLUS TO MATCH EXTG.
  2. 2'-0" X 4'-0"
  3. 3/4" THICK
  4. SQUARE EDGE
  5. COLOR: WHITE
  6. FLAME SPREAD: CLASS A
  7. NRC: .70 (MIN)
  8. LIGHT REFLECTANCE: .80 (MIN)
  9. 10 YR. NON-SAG WARRANTY

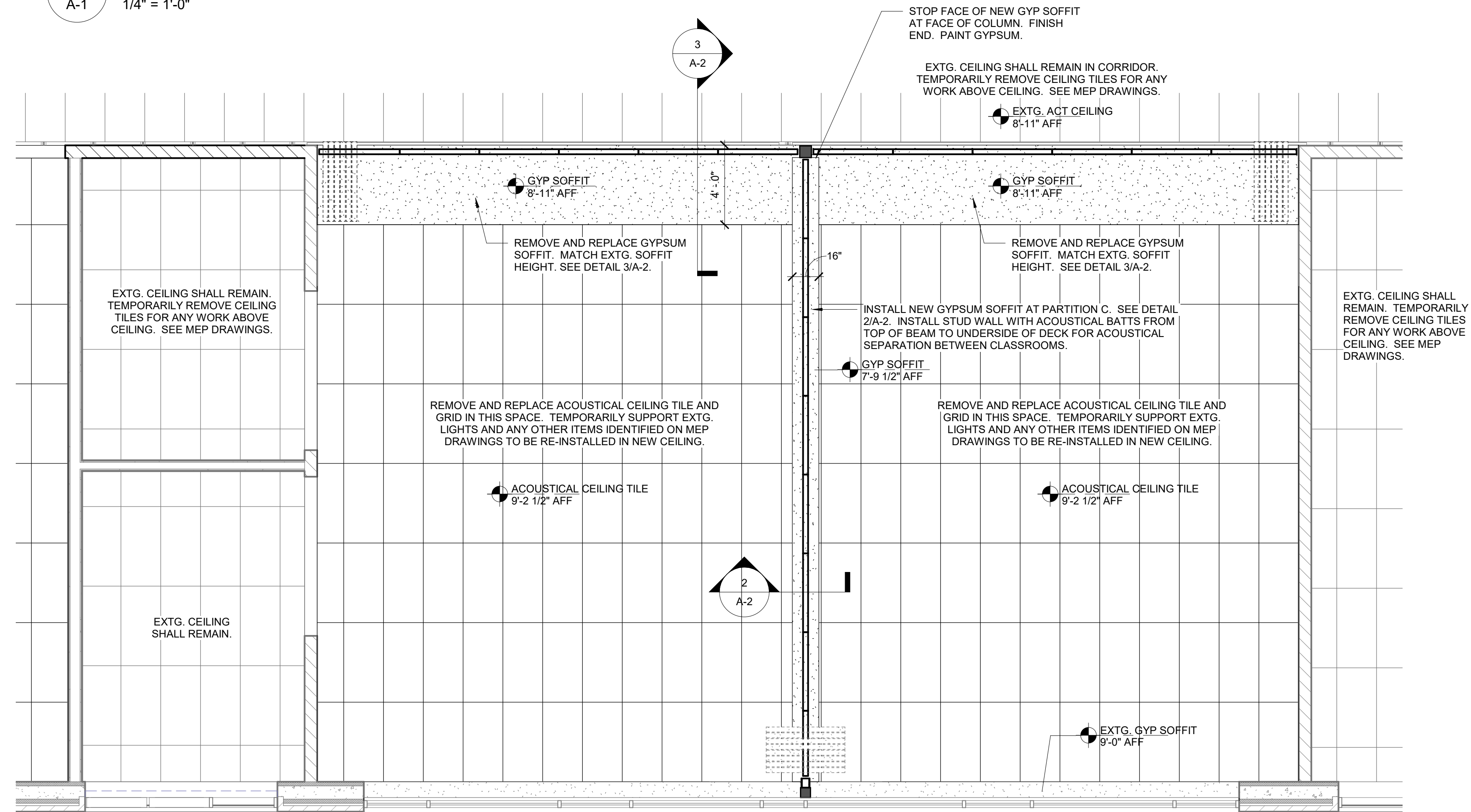
- RUBBER FLOOR BASE:**
1. MATCH EXISTING - JOHNSONITE RUBBER WALL BASE
  2. HEIGHT: 8" AT WALL (4" AT CASEWORK)
  3. COLOR: #63 BURNT UMBER

- OPERABLE PANEL PARTITIONS:**
- PARTITION A AND PARTITION B**  
 DESIGN BASIS (OR EQUAL): MODERNFOLD ACOUSTI-SEAL PREMIER SINGLE PANEL SIDE STACK, MANUALLY OPERATED
1. ALL STEEL WELDED PANEL FRAMES
  2. STC 47 (MIN.) ACOUSTICAL RATING
  3. PASS DOOR: 3'-0" X 7'-0" IN PARTITION A AND PARTITION B WITH PANIC BAR ON CLASSROOM SIDE AND LOCKING LEVER HANDLE ON CORRIDOR SIDE. OWNER TO SUPPLY AND INSTALL CYLINDERS IN LOCKS.
  4. 2" TRAVEL OPERABLE FLOOR SEALS. ACOUSTIC SEALS AT JAMBS AND CEILING.
  5. EXPANDABLE PANEL CLOSURE
  6. #17 ALL-STEEL TRACK AND CARRIERS. BALL BEARING. STEEL WHEELS ON TROLLEY CARRIER WITH THREADED PENDANT FOR VERTICAL ADJUSTMENT
  7. RIGHT ANGLE TRACK SYSTEM
  8. STANDARD VINYL WALL COVERINGS
  9. CONTINUOUS HINGES. 18 GAGE STAINLESS STEEL
  10. PANEL TO PANEL SEALS: GROOVED AND GASKETED ASTRAGALS, CONTINUOUS VINYL SEAL
  11. THICKNESS: 3" WITHOUT FINISH
  12. HEIGHT: 8'-10 1/4" TALL

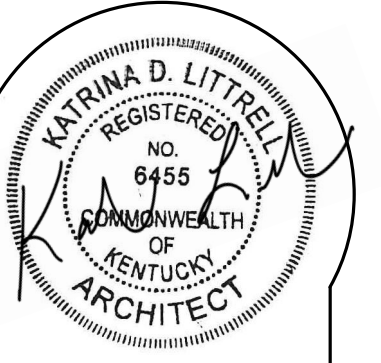
- PARTITION C**  
 DESIGN BASIS (OR EQUAL): MODERNFOLD ACOUSTI-SEAL PREMIER PAIRED PANEL SYSTEM, MANUALLY OPERATED
1. ALL STEEL WELDED PANEL FRAMES
  2. STC 47 (MIN.) ACOUSTICAL RATING
  3. 2" TRAVEL OPERABLE FLOOR SEALS. ACOUSTIC SEALS AT JAMBS AND CEILING.
  4. EXPANDABLE PANEL CLOSURE
  5. #17 ALL-STEEL TRACK AND CARRIERS. BALL BEARING. STEEL WHEELS ON TROLLEY CARRIER WITH THREADED PENDANT FOR VERTICAL ADJUSTMENT
  6. STANDARD VINYL WALL COVERINGS
  7. CENTER (3) PANELS SHALL HAVE FULL HEIGHT MARKERBOARDS ON EACH SIDE. COATED STEEL NON-POROUS WRITING SURFACE FORMED AROUND PANEL EDGES WITH NO EXPOSED TRIM. COLOR: WHITE
  8. CONTINUOUS HINGES. 18 GAGE STAINLESS STEEL
  9. PANEL TO PANEL SEALS: GROOVED AND GASKETED ASTRAGALS, CONTINUOUS VINYL SEAL
  10. THICKNESS: 3" WITHOUT FINISH
  11. HEIGHT: 7'-8" TALL



**1 LEVEL 1 FLOOR PLAN - AREA C**  
 A-1 1/4" = 1'-0"

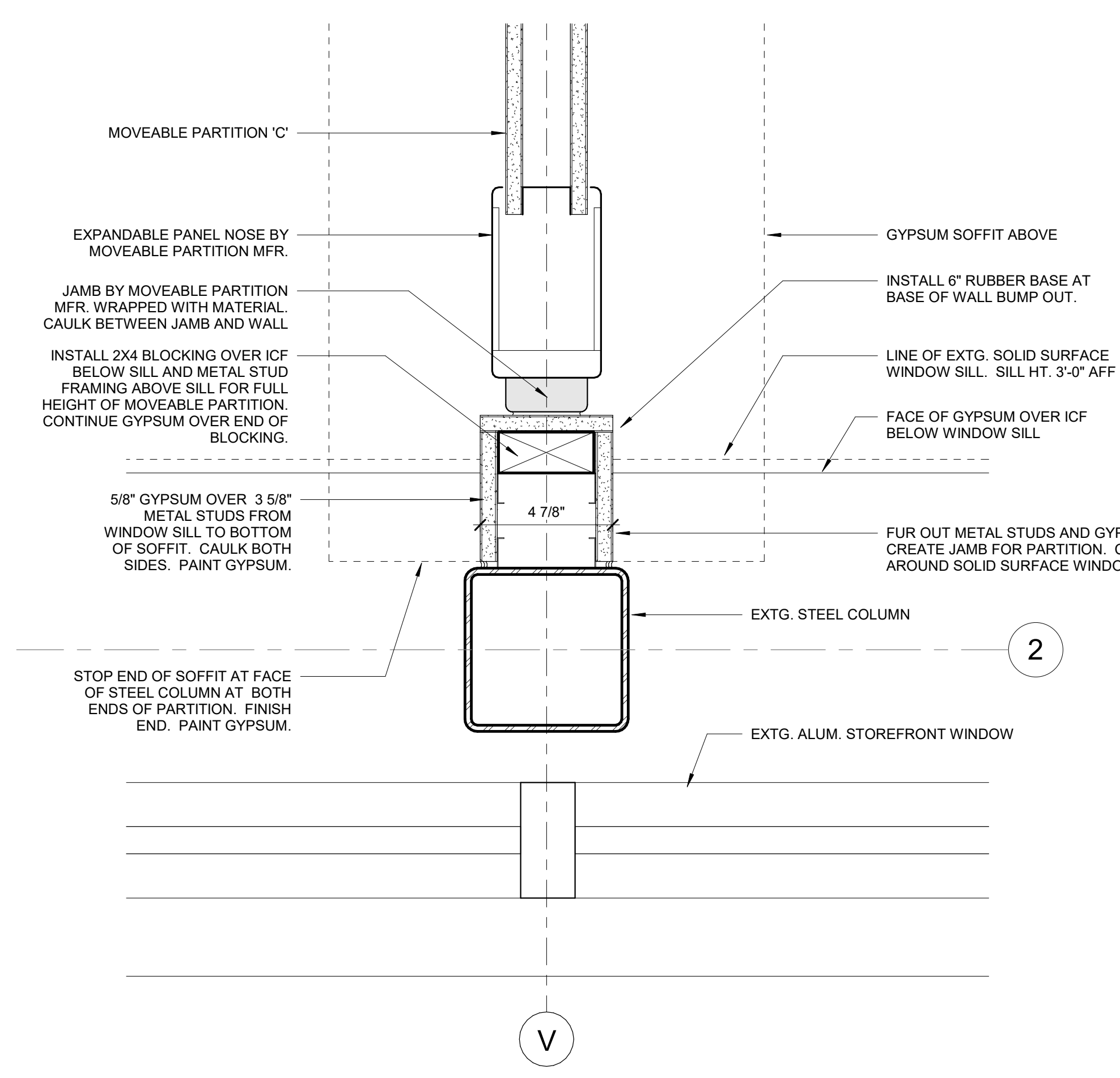


**2 LEVEL 1 RCP - AREA C**  
 A-1 1/4" = 1'-0"

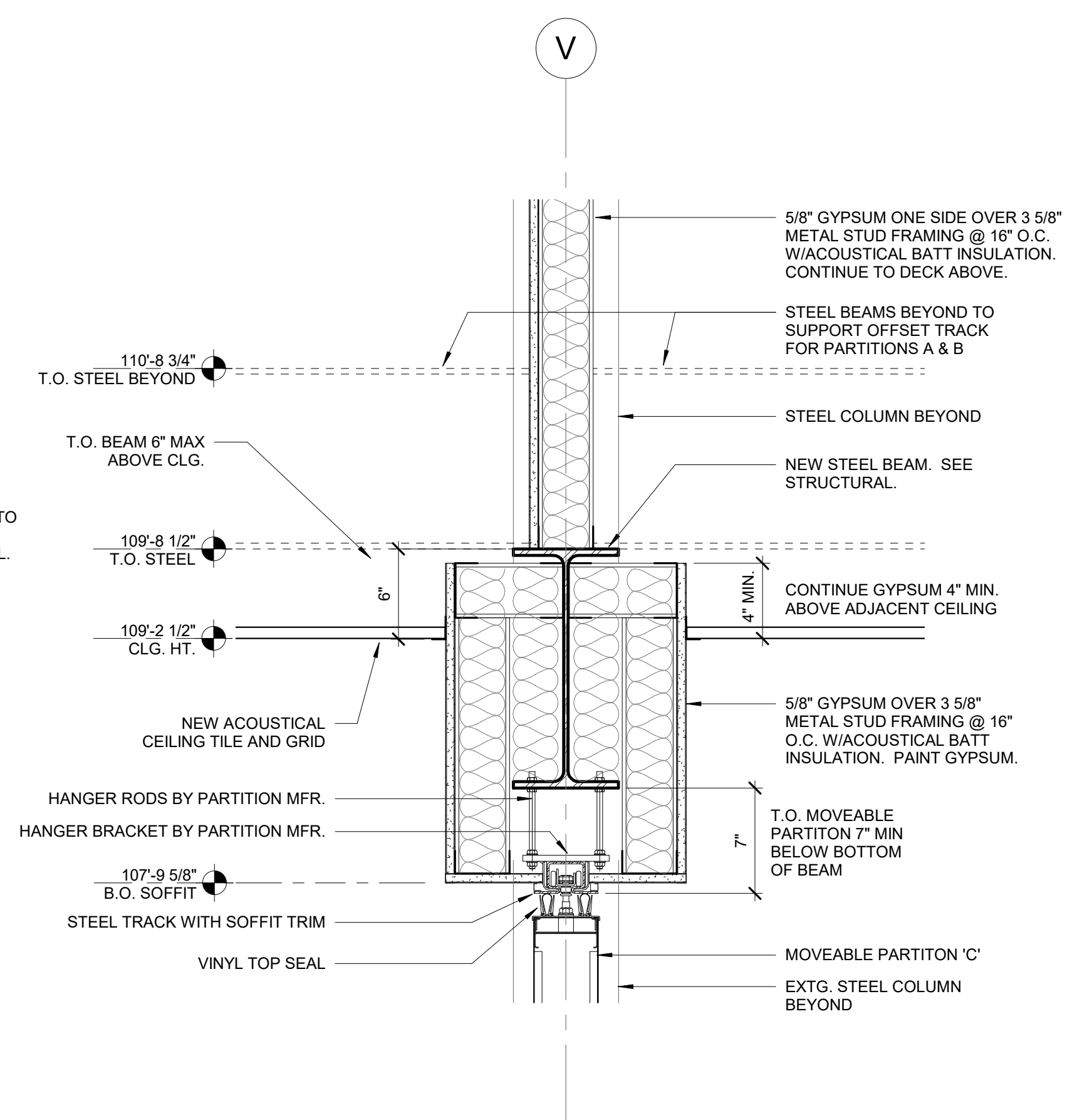


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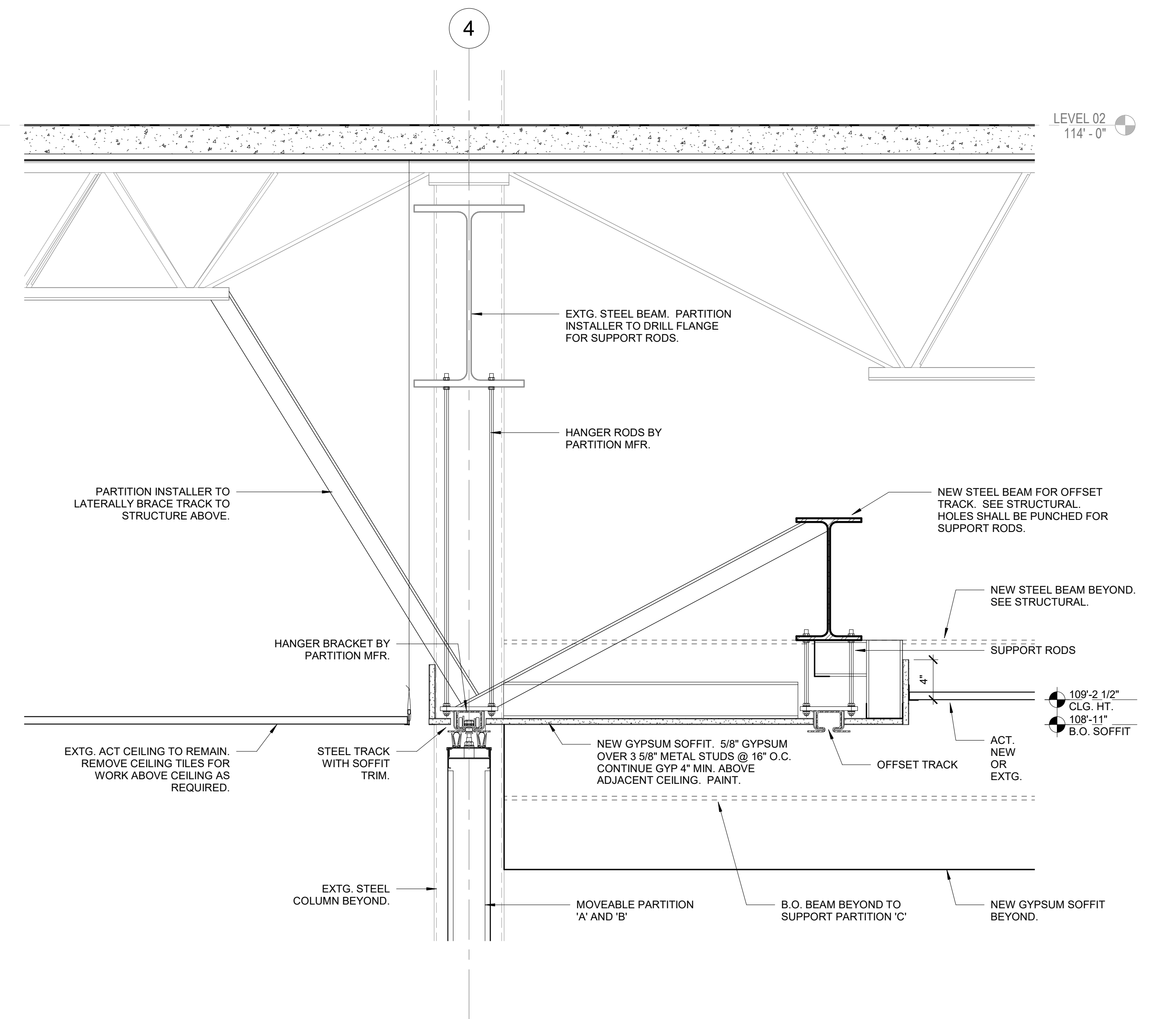
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1 PLAN DETAIL AT PARTITION 'C'  
 A-2 3" = 1'-0"



2 SECTION @ PARTITION 'C'  
 A-2 1 1/2" = 1'-0"



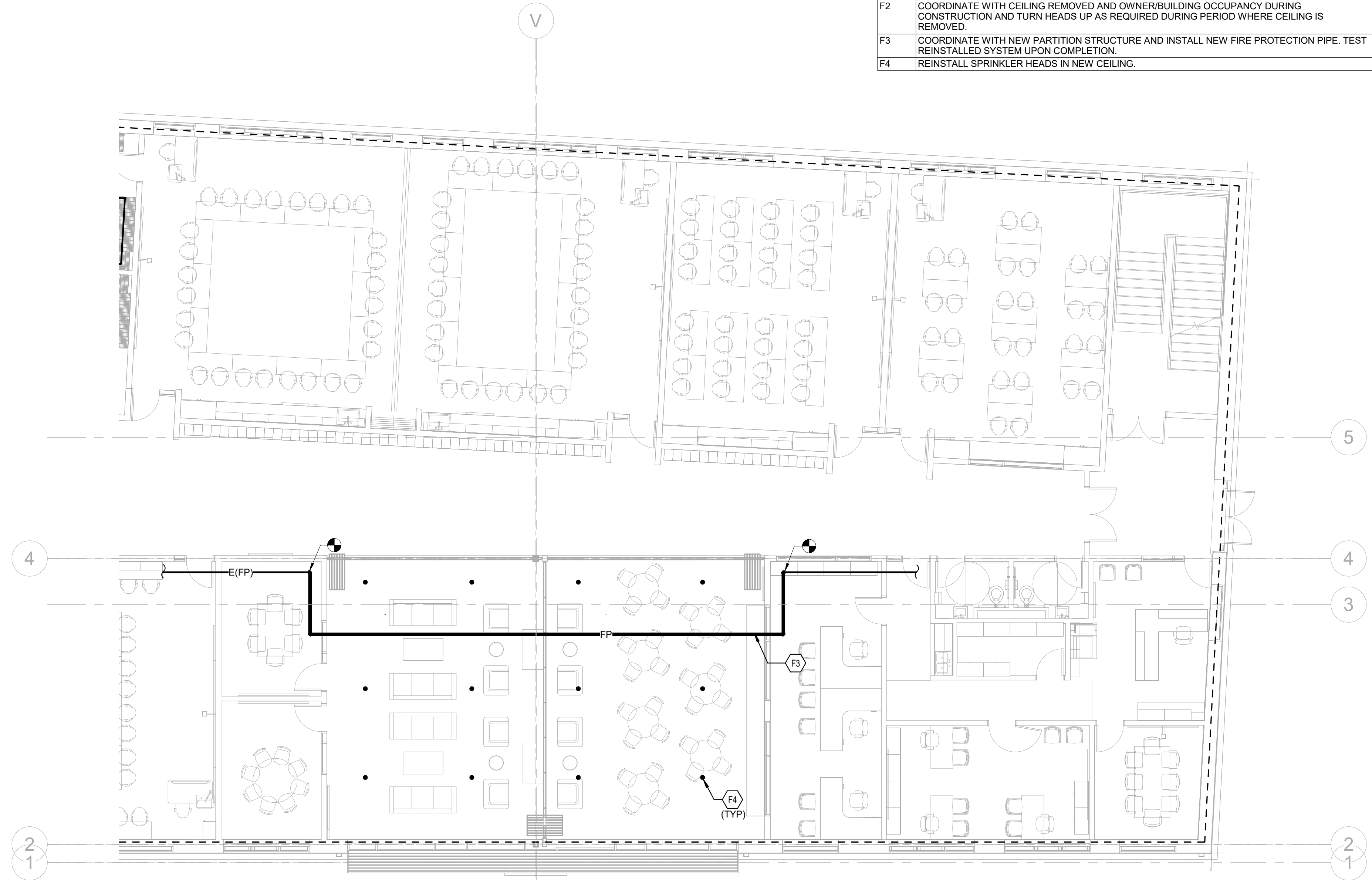
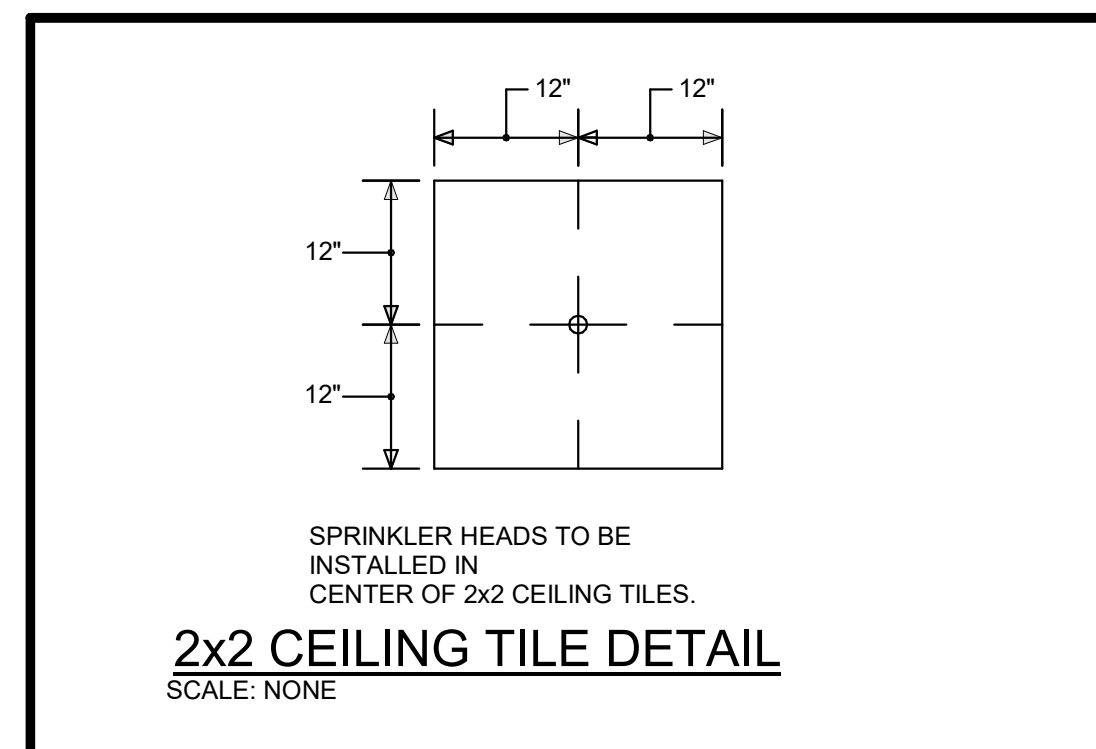
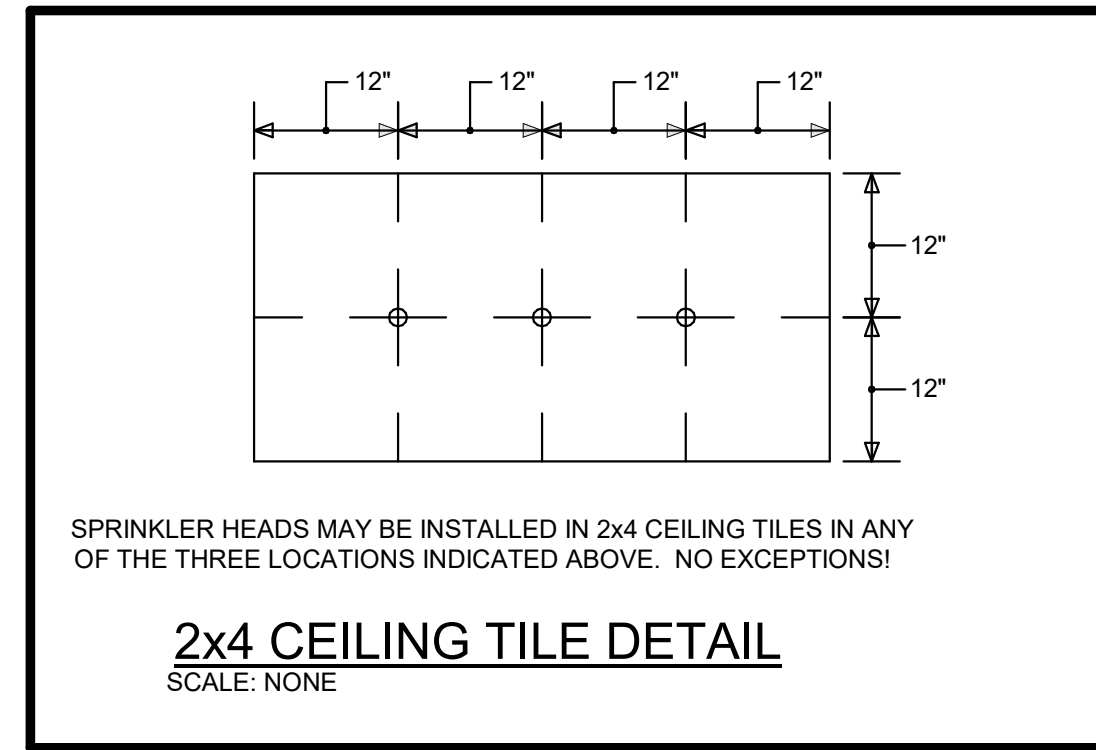
3 SECTION @ PARTITION 'A' AND 'B'  
 A-2 1 1/2" = 1'-0"

**PARTITION DETAILS**  
 FDHS Moveable Partitions  
 CONSTRUCTION DOCUMENTS  
 2000 Winchester Road Lexington, KY 40505

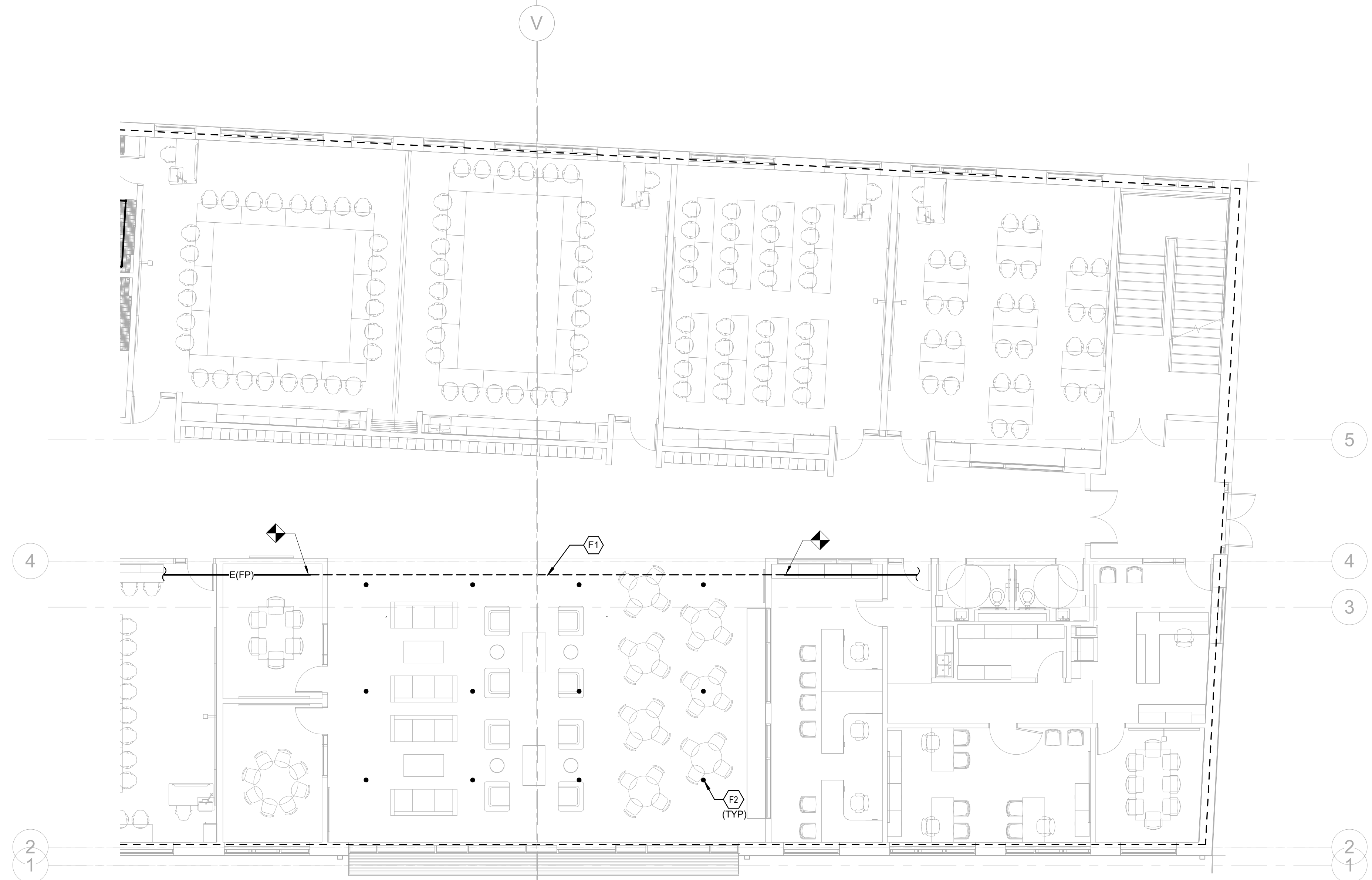
D	A
E(1)	B
E(2)	C
E(3)	
E(4)	

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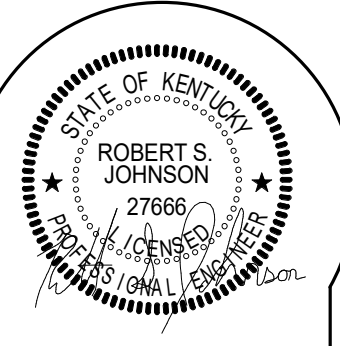
TAGGED NOTES	
F1	DEMOLISH COMPLETE EXISTING FIRE PROTECTION PIPE ABOVE SOFFIT IN AREA OF NEW STRUCTURAL BEAMS. CONTRACTOR TO LOCATE NEAREST SHUT OFF LOCATIONS AND COORDINATE SHUTOFF OF FIRE PROTECTION SYSTEM. COORDINATE WITH BUILDING AND PARTITION STRUCTURE AND REINSTALL PIPE IN CLEAR LOCATION. RECONNECT ALL HEAD BRANCH PIPES TO REROUTED PIPE.
F2	COORDINATE WITH CEILING REMOVED AND OWNER/BUILDING OCCUPANCY DURING CONSTRUCTION AND TURN HEADS UP AS REQUIRED DURING PERIOD WHERE CEILING IS REMOVED.
F3	COORDINATE WITH NEW PARTITION STRUCTURE AND INSTALL NEW FIRE PROTECTION PIPE. TEST REINSTALLED SYSTEM UPON COMPLETION.
F4	REINSTALL SPRINKLER HEADS IN NEW CEILING.



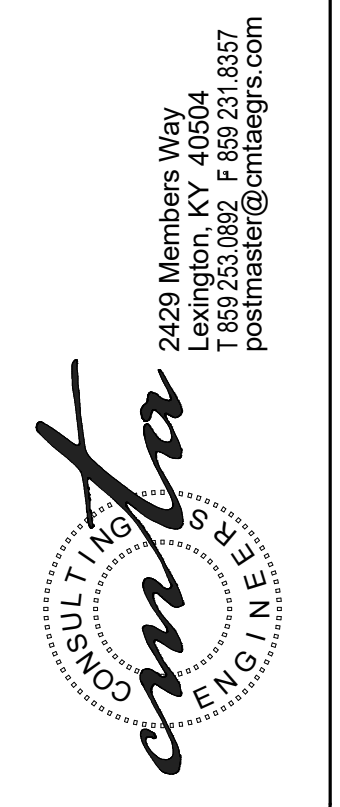
② MOVEABLE PARTITIONS FIRE PROTECTION NEW WORK  
1/8" = 1'-0"



① MOVEABLE PARTITIONS FIRE PROTECTION DEMOLITION  
1/8" = 1'-0"



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**MOVEABLE PARTITIONS FIRE PROTECTION PLANS**  
FAYETTE COUNTY PUBLIC  
CONSTRUCTION DOCUMENTS  
2000 Winchester Road Lexington, KY 40505

Proj #:	1402/FH/14
Date:	03/22/2022
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Checked:	RSJ
Revised:	

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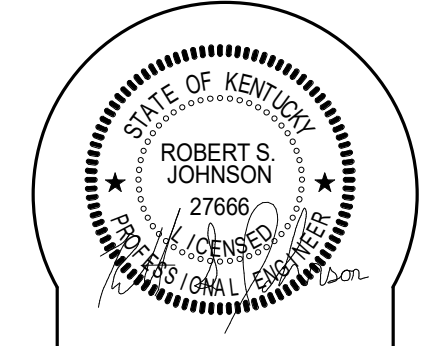
**GENERAL NOTES**

- COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
- COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)
- ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE.
- ALL DUCTWORK, PIPING, CONDUITS, ETC. IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- LOCATIONS OF PIPING, DUCTS AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- ALL OFFSETS IN DUCTS AND PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
- COORDINATE ALL HVAC WORK WITH ELECTRICAL, PLUMBING AND OTHER TRADES TO AVOID INTERFERENCE WITH PIPING, DUCTS, CONDUIT AND OTHER EQUIPMENT.
- INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.
- SEAL ALL NEW DUCTWORK JOINTS WITH UNITED MCGILL IRONGRIP 601 OR EQUAL WATER BASED SEALANT.
- ALL MOTOR DRIVEN EQUIPMENT SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO DUCTWORK, PIPING, ETC., UNLESS OTHERWISE NOTED.
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
- DOUBLE WIDTH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.
- THE DOCUMENTS COMPLY WITH 2015 IMC, 2018 KBC, AND 2012 IECC.

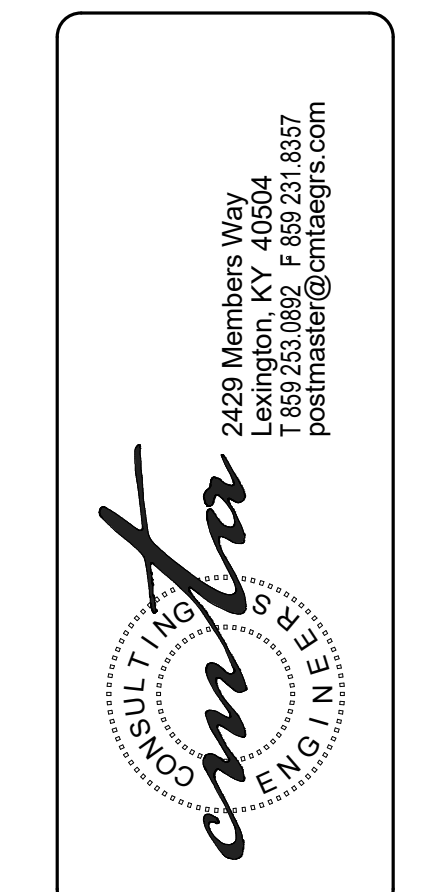
**SYMBOLS AND ABBREVIATIONS**

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS NECESSARILY USED ON THIS PROJECT.

	SUPPLY DIFFUSER		HUMIDISTAT
	RETURN GRILLE		PRESSURE GAUGE & COCK
	EXHAUST GRILLE		COMPOUND GAUGE
	SLOT DIFFUSER		VACUUM GAUGE
CA	COMPRESSED AIR	AFB	ABOVE FINISHED FLOOR
SA	SUPPLY AIR DUCT	AFR	ABOVE FINISHED ROOF
RA	RETURN AIR DUCT	CAV	CONSTANT AIR VOLUME REHEAT BOX
OA	OUTSIDE AIR DUCT	CD	CONDENSATE DRAIN
EA	EXHAUST AIR DUCT	C.I.	CAST IRON
	VOLUME DAMPER	DN	DOWN
	EXHAUST AIR DUCT TURNING UP (SIMILAR FOR OTHER DUCT TYPES.)	FD	FIRE DAMPER
	EXHAUST AIR DUCT TURNING DOWN (SIMILAR FOR OTHER DUCT TYPES.)	ID	INSIDE DIMENSION
	MOTORIZED DAMPER	NC	NORMALLY CLOSED
	FLEXIBLE DUCT	NIC	NOT IN CONTRACT
	THERMOSTAT, TEMPERATURE SENSOR	NO	NORMALLY OPEN
CS	COOLING TOWER (CONDENSER WATER) SUPPLY	NTS	NOT TO SCALE
CR	COOLING TOWER (CONDENSER WATER) RETURN	OD	OUTSIDE DIMENSION
CD	CONDENSATE DRAIN	CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
HPR	HEAT PUMP RETURN	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
HPS	HEAT PUMP SUPPLY	OFOI	OWNER FURNISHED, OWNER INSTALLED
GS	GEO THERMAL SUPPLY	OR	OPEN RECEP TACLE
GR	GEO THERMAL RETURN	PRS	PRESSURE REDUCING STATION
HWR	HOT WATER RETURN	PRV	PRESSURE REDUCING VALVE (STEAM, WATER, OR GAS)
HWS	HOT WATER SUPPLY	PSI	POUNDS PER SQUARE INCH
	FIRE/SMOKE DAMPER WITH ACCESS DOOR	SD	SMOKE DAMPER
	FIRE DAMPER WITH ACCESS DOOR	TB	THRUST BLOCK
	SMOKE DAMPER WITH ACCESS DOOR	TE	TOP ELEVATION
	PIPE ELBOW TURNING UP/TURNING DOWN	TYP	TYPICAL
	AIR DISTRIBUTION DEVICE DESIGNATOR XXX INDICATES CFM	UON	UNLESS OTHERWISE NOTED
	CONNECT TO EXISTING (VERIFY EXACT LOCATION)	VAV	VARIABLE AIR VOLUME REHEAT BOX
	BALANCING VALVE	VFD	VARIABLE FREQUENCY DRIVES
	TWO WAY CONTROL VALVE (CONTROL VALVE GENERAL)		
	CONTROL VALVE (3-WAY)		
	BUTTERFLY VALVE		
	TRIPLE DUTY VALVE		
	UNION		
	PET'S PLUG		
	CHECK VALVE		
	DOUBLE CHECK VALVE ASSEMBLY		
	STRAINER		
	O S & Y VALVE (GATE)		
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)		
	BALL VALVE		
	SAFETY RELIEF VALVE		
	GLOBE VALVE		
	MANUAL AIR VENT (AUTOMATIC AIR VENT WITH CIRCLE)		
	PUMP SUCTION DIFFUSER		
	THERMOMETER		
	PRESSURE SWITCH		
	TAMPER SWITCH		
	FLOW SWITCH		
	ACCESS DOOR IN BOTTOM OF DUCT		
	ACCESS DOOR IN SIDE OF DUCT		
	OUTSIDE AIR TERMINAL BOX DESIGNATOR W/ MIN/MAX INDICATOR (I) IN NO MINIMUM CFM LISTED)		
	PIPING TEE (TURNED UP/DOWN)		
	LIMIT OF DEMOLITION EXISTING DUCT OR PIPING TO BE REMOVED		
	MECHANICAL EQUIPMENT DESIGNATOR		
	CO2 SENSOR		
	DIFFERENTIAL PRESSURE SENSOR		



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**MECHANICAL LEGEND**  
 FAYETTE COUNTY PUBLIC  
 CONSTRUCTION DOCUMENTS  
 2000 Winchester Road Lexington, KY 40505

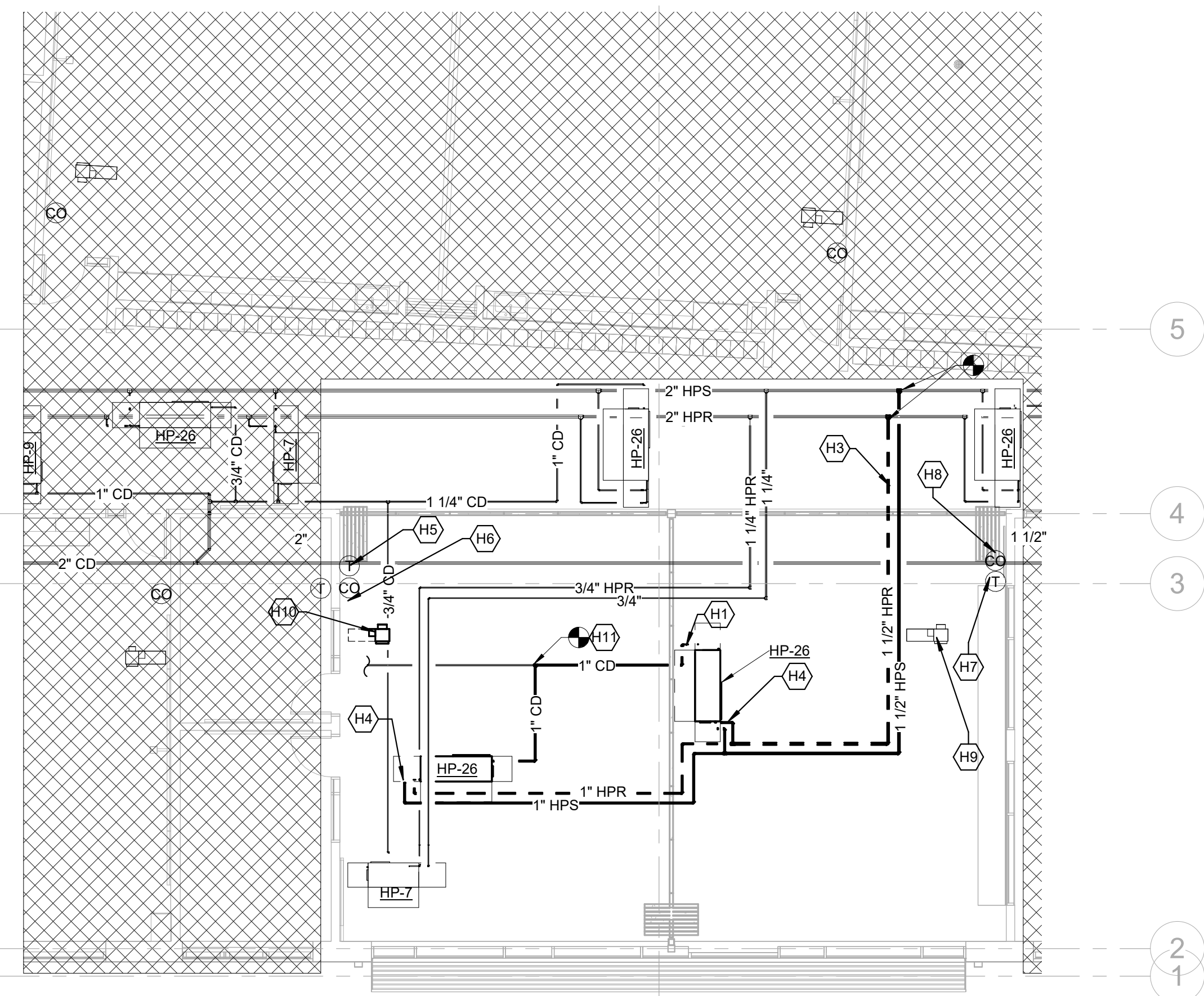
Proj #: 1402PH14  
 Date: 03/22/2022  
 Drawn: WMH  
 Checked: RSL  
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**GENERAL MECHANICAL NOTES**

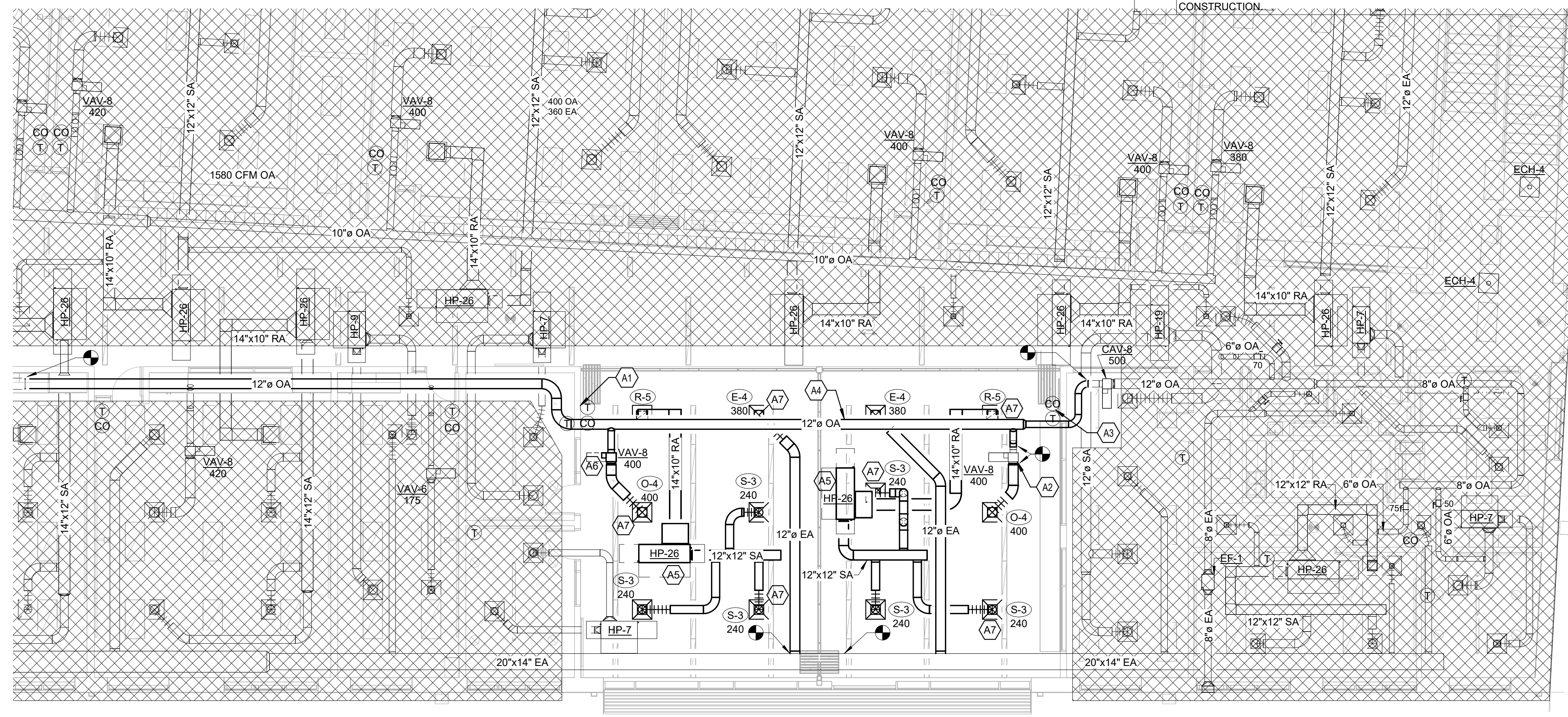
- REFER TO SPECIFICATIONS FOR TESTING AND BALANCING PROCEDURES. CONTRACTOR TO LOCATE NEAREST ISOLATION VALVE IN HYDRONIC PIPING TO MINIMIZE DOWNTIME OF SYSTEM.
- HYDRONIC SYSTEM TO BE PURGED OF AIR UPON INSTALLATION OF NEW PIPING.

**TAGGED NOTES**

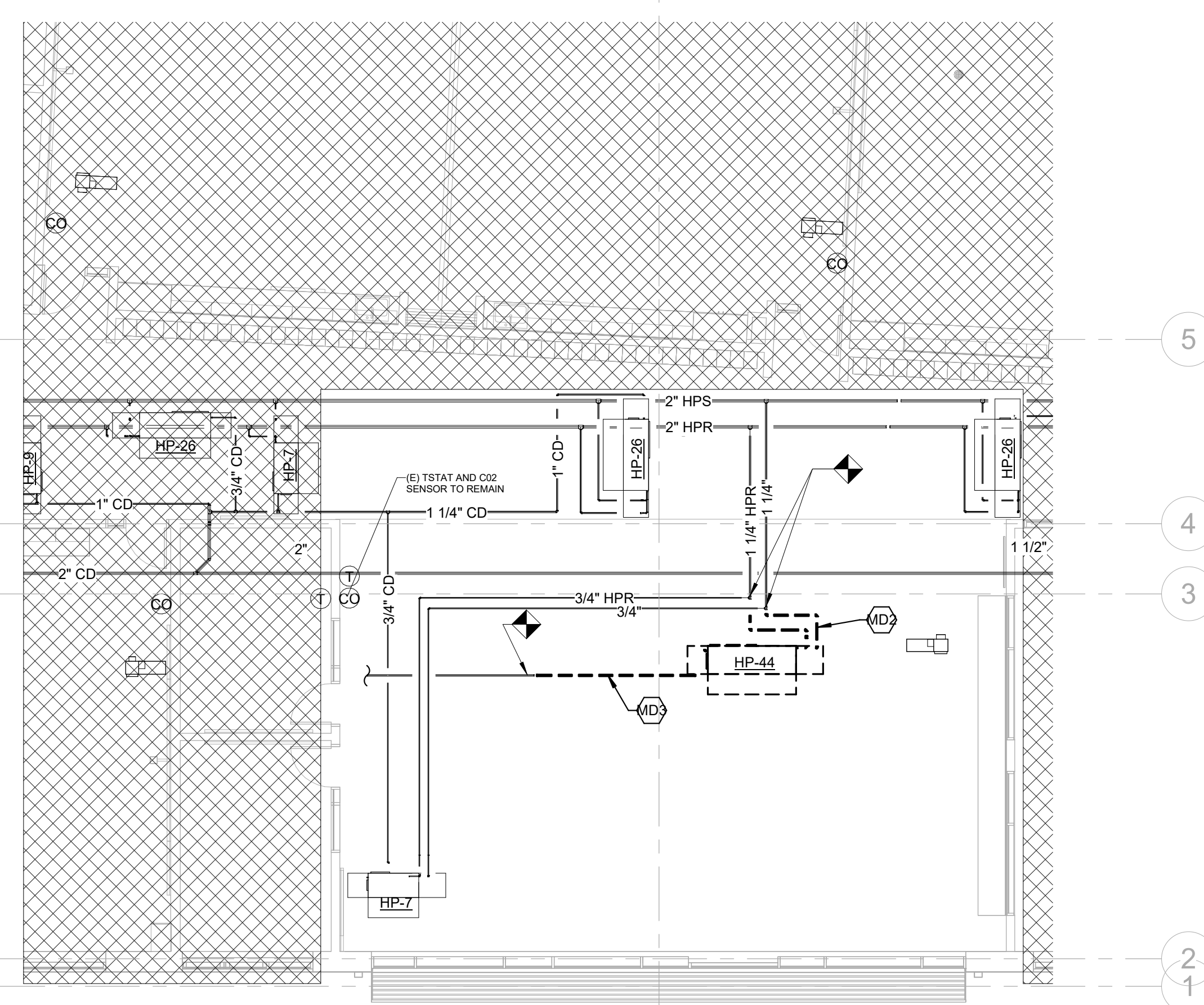
- A1 REUSE EXISTING THERMOSTAT AND CO2 SENSOR FOR NEW HP-26.
- A2 RECALIBRATE TO NEW AIR FLOW.
- A3 NEW THERMOSTAT AND CO2 SENSOR FOR NEW VAV-26.
- A4 COORDINATE WITH NEW PARTITION STRUCTURE AND INSTALL NEW DUCT AWAY FROM NEW BEAM.
- A5 HEAT PUMP TO BE OWNER FURNISHED AND CONTRACTOR INSTALLED.
- A6 PROVIDE NEW 8" VAV TERMINAL UNIT FOR DEMAND CONTROL VENTILATION SYSTEM.
- A7 PROVIDE NEW SUPPLY AIR DIFFUSER, FILTERED RETURN GRILLE AND EXHAUST AIR GRILLES. MATCH OTHER CLASSROOM AIR DEVICES.
- H1 POSITION NEW HP CLOSE TO NEW BEAM AND AT ELEVATION WHERE CONDENSATE DRAIN CONNECTION IS ABOVE TOP OF NEW BEAM. ROUTE NEW CONDENSATE ABOVE BEAM AND CONNECT TO EXISTING.
- H3 PROVIDE NEW HDPE BRANCH PIPES AND CONNECT TO EXISTING MAIN IN CORRIDOR.
- H4 PROVIDE NEW HOSE KITS, ISOLATION VALVES AND SPECIALTIES.
- H5 REWIRE THERMOSTAT TO NEW HEAT PUMP.
- H6 REWIRE EXISTING CO2 SENSOR TO NEW VAV TERMINAL UNIT. RECALIBRATE SENSOR.
- H7 PROVIDE NEW THERMOSTAT FOR NEW HEAT PUMP. CONNECT HEAT PUMP TO BAS.
- H8 PROVIDE NEW CO2 SENSOR AND CONNECT TO EXISTING VAV TERMINAL UNIT. RECALIBRATE FOR NEW AIRFLOW AMOUNT INDICATED ON HVAC PLAN.
- H9 REBALANCE EXISTING VAV TERMINAL UNIT TO NEW AIRFLOW.
- H10 BALANCE NEW VAV TERMINAL UNIT TO LISTED AIR FLOW. CONNECT TO BAS.
- H11 NEW CONDENSATE PIPING TO SERVE BOTH NEW HEAT PUMPS. CONTRACTOR TO MAINTAIN 1/8" PER FOOT NEGATIVE SLOPE TO ENSURE GRAVITY DRAINAGE.
- MD1 DEMOLISH COMPLETE EXISTING 10" OUTSIDE AIR DUCT BACK TO CHANGE IN SIZE INCLUDING TRANSITIONAL FITTING.
- MD2 DEMOLISH COMPLETE EXISTING BRANCH PIPING AND HOSE KITS TO HEAT PUMP. RETURN HOSE KITS TO OWNER IN GOOD WORKING CONDITION.
- MD3 DEMOLISH EXISTING CONDENSATE DRAIN PIPE FROM EXISTING HEAT PUMP. COORDINATE EXTENT OF DEMOLITION WITH NEW BEAM, NEW HEAT PUMPS AND OVERALL CEILING CONSTRUCTION.
- MD4 REMOVE AND SALVAGE EXISTING HEAT PUMP AND RETURN TO OWNER IN GOOD WORKING CONDITION. REUSE CONTROLLER FOR ONE OF THE NEW HEAT PUMPS.
- MD5 REMOVE AND SALVAGE EXISTING VAV TERMINAL UNIT AND CONTROLLER. SEE NEW WORK PLAN FOR REINSTALLATION.
- MD6 CONTRACTOR SHALL TEMPORARILY REMOVE CEILING GRID AND PADS IN AREAS WHERE DEMOLITION OCCURS. REPLACE ANY GRID OR PADS THAT WERE DAMAGED DURING THE CONSTRUCTION.



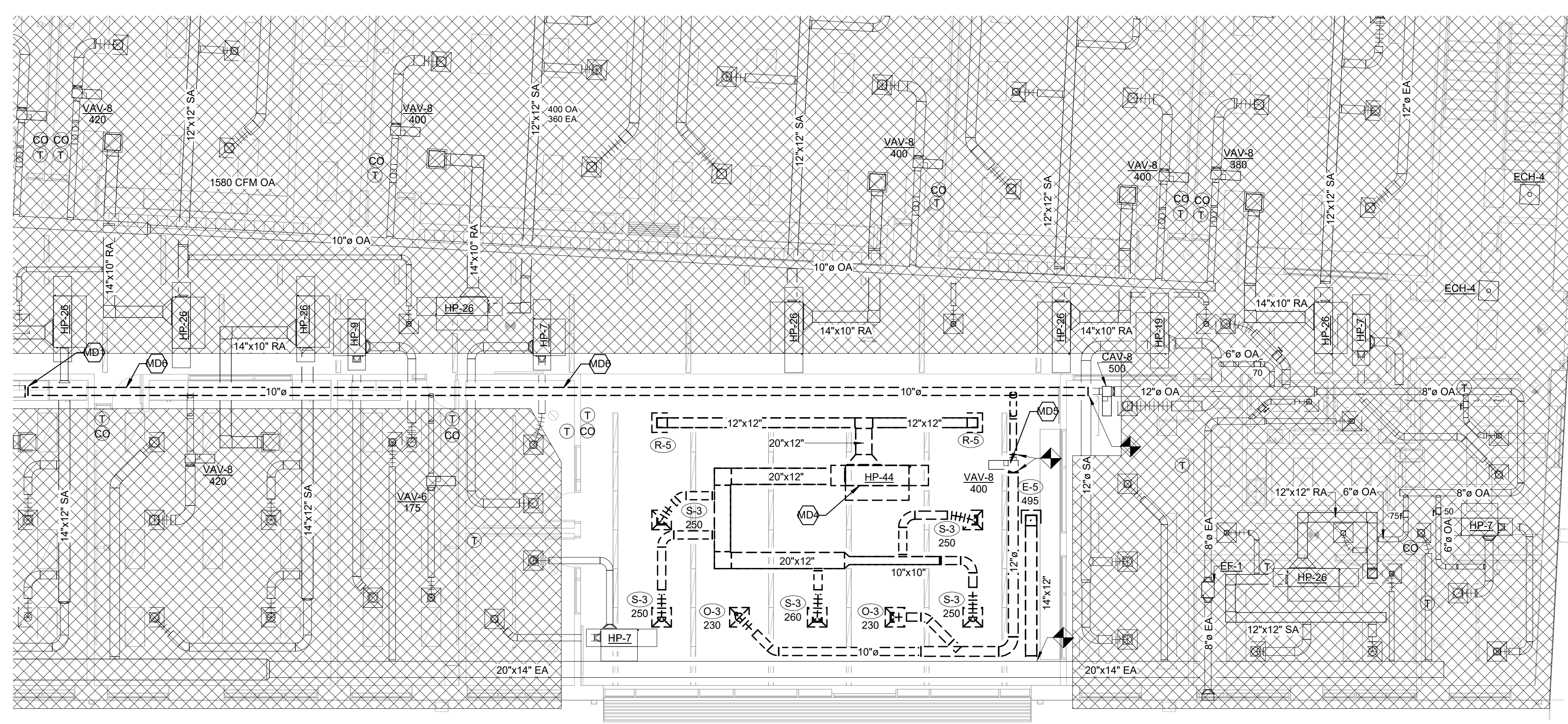
4 MOVABLE PARTITIONS HYDRONIC NEW WORK  
1/8" = 1'-0"



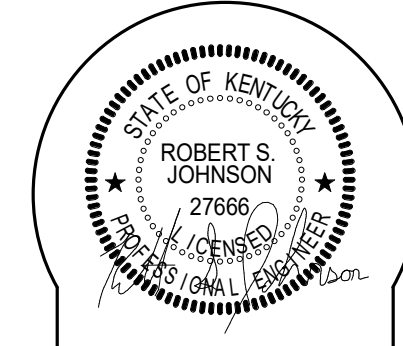
2 MOVABLE PARTITIONS HVAC NEW WORK  
1/8" = 1'-0"



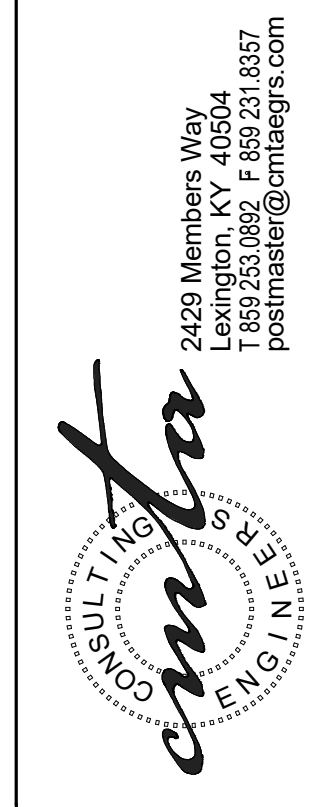
3 MOVABLE PARTITIONS HYDRONIC DEMOLITION  
1/8" = 1'-0"



1 MOVABLE PARTITIONS HVAC DEMOLITION  
1/8" = 1'-0"



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**MOVEABLE PARTITIONS MECHANICAL PLANS**  
FAYETTE COUNTY PUBLIC  
CONSTRUCTION DOCUMENTS  
2000 Winchester Road Lexington, KY 40505

Proj # 1402PH14  
Date: 03/22/2022  
Drawn: WMH  
Checked: RSL  
Revised:

**M-1.01**

GENERAL ELECTRICAL NOTES (APPLICABLE TO ALL WORK AND DOCUMENTS)

- EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO INSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
- ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
- INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC., IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEERS.
- ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC., AT LEAST TEN DAYS PRIOR TO BID DATE TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM. DEVIATION FROM SPECIFICATIONS OF PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE. (SEE ALSO NOTE 21).
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.)
- INSTALL EQUIPMENT, MATERIALS, ETC., IN STRICT ACCORD WITH MANUFACTURERS' RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
- DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING, AS REQUIRED BY CODES. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
- THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE NEW FACILITY, ANYTHING LESS SHALL BE UNACCEPTABLE.
- SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK REMAINS WITH THE ENGINEER.
- ALL WORK, MATERIALS, EQUIPMENT, ETC., SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEERS. UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE. UNLESS OTHERWISE NOTED, COORDINATE WORK WITH ARCHITECT.
- WHERE PENETRATING NEW/EXISTING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER/ARCHITECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK (ELECTRIC, TELEPHONE, TELEVISION, ETC.).
- COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, INSTALL LIGHT FIXTURES, SMOKE DETECTORS, SPEAKERS AND OTHER CEILING MOUNTED APPURTENANCES IN THE CEILING IN A SYMMETRICAL PATTERN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2' X 2' CEILING TILE AND INSTALLED CENTERED ON 2' DIMENSION OF 2' X 2' CEILING CENTERLINE OR A QUARTER POINT ON 4' DIMENSION, AS INDICATED.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- CHECK ALL THREE PHASE MOTORS WITH 6 ROTATION METER. PRIOR TO PLACING IN SERVICE.
- PROVIDE DETAILED SHOP DRAWINGS TO ENGINEERS PRIOR TO PURCHASING AND INSTALLING ANY EQUIPMENT.
- DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC., FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS', SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEMS, CONTACT THE ENGINEERS BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS, AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
- WHERE FIRE RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE RATED, APPROVED GYPSUM BOARD ENCLOSURES ABOVE LIGHT FIXTURES, CEILING DEVICES, ETC., IN OR ON CEILING, TO MAINTAIN CEILING RATINGS.
- COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC., WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).

- ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LABELED BY UNDERWRITERS LABORATORIES OR OTHER APPROVED LISTING AGENCY, APPROVED AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT. UNLESS WAIVED BY THE ENGINEER IN WRITING.
- ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTIPAIR SHALL BE INSTALLED CONTINUOUS INsofar AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES. EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING, SUPPORTING FROM CROSS BRACING OR ROOF DECK WILL NOT BE ALLOWED.
- WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
- REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT THE ENGINEER FOR DIRECTION PRIOR TO INSTALLING WORK.
- FLUSH OR RECESSED, TYPE FLOOR OUTLETS, AS INDICATED ON PLAN SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
- AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK. FULL EXTENT OF AREA INVOLVED, EXTENT OF CEILING WORK, ETC., PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
- WHERE EXIST LIGHTS ARE CONNECTED TO EMERGENCY CIRCUITS WITH KEYSWITCH OR CONTACTOR CONTROL, AN UNSWITCHED LINE SHALL BE PULLED IN TO MAINTAIN THEIR OPERATION REGARDLESS OF SWITCH POSITION.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORD WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEERS FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.
- INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST TWO WEEKS IN ADVANCE OF THE ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED, TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT AND SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC., TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARABOLIC" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- REFER TO ARCHITECTURAL DETAILS AS APPLICABLE FOR RECESSED SOFFIT FLUORESCENT FIXTURES. ADJUST FIXTURE LENGTHS BY FIELD MEASUREMENT OF SOFFIT, AS NECESSARY.
- WHERE OUTLETS ARE LOCATED APPROXIMATELY BACK-TO-BACK ON OPPOSITE SIDES OF A PARTY WALL, THE OUTLETS SHALL NOT BE INSTALLED IN THE SAME STUD SPACE, BUT SHALL BE SEPARATED BY A MINIMUM OF ONE STUD.
- ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR, THE MOST STRINGENT SHALL APPLY.
- ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEERS FOR CLARIFICATION PRIOR TO INSTALLING ANY SUCH WORK.
- DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LABELED FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

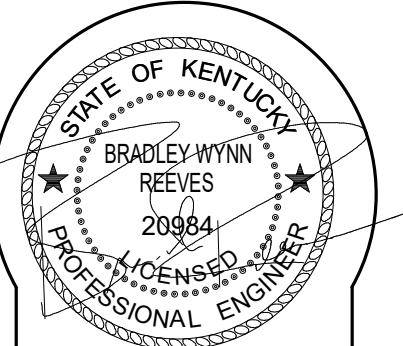
SYSTEM	ITEM	DEVICE MODEL # REFER TO SPECS. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT (TO BOTTOM OF BOX)	DRAWING SYMBOL	
SWITCHES	SINGLE POLE SWITCH			44"	S	
	DIMMER SWITCH			44"	S DM	
	DIMMER SWITCH			44"	S S <sub>3</sub>	
	CEILING MOUNTED DOME OCCUPANCY SENSOR				OS	
	LIGHTING	2' X 4'	SEE SCHEDULE		CEILING	□
		2' X 4' WITH BATTERY	SEE SCHEDULE		CEILING	□
		1' X 4'	SEE SCHEDULE		CEILING	□
		1' X 4' WITH BATTERY	SEE SCHEDULE		CEILING	□
		1' X 4' WALL MOUNTED	SEE SCHEDULE		CEILING	□
		1' X 4' WALL MOUNTED WITH BATTERY	SEE SCHEDULE		CEILING	□
PENDANT FIXTURE	2' X 2'	SEE SCHEDULE		CEILING	□	
	2' X 2' WITH BATTERY	SEE SCHEDULE		CEILING	□	
	1' X 4' SURFACE MOUNTED	SEE SCHEDULE		CEILING	□	
	1' X 4' SURFACE MOUNTED WITH BATTERY	SEE SCHEDULE		CEILING	□	
	1' X 8' SURFACE MOUNTED	SEE SCHEDULE		CEILING	□	
	1' X 8' SURFACE MOUNTED WITH BATTERY	SEE SCHEDULE		CEILING	□	
	RECESSED CAN DOWNLIGHT	SEE SCHEDULE		CEILING	□	
	RECESSED CAN DOWNLIGHT WITH BATTERY	SEE SCHEDULE		CEILING	□	
	PENDANT FIXTURE WITH BATTERY	SEE SCHEDULE		CEILING	□	
	WALL MOUNTED FIXTURE	SEE SCHEDULE		AS NOTED	□	
POWER	WALL MOUNTED FIXTURE WITH BATTERY	SEE SCHEDULE		AS NOTED	□	
	FLOOD LIGHT	SEE SCHEDULE			□	
	EMERGENCY LIGHTING WITH BATTERY				□	
	EXIT SIGN	SEE SCHEDULE	MINIMUM 8'-0" A.F.F.	AS NOTED	□	
	EXIT SIGN (WALL MOUNTED)	SEE SCHEDULE	MINIMUM 8'-0" A.F.F.	AS NOTED	□	
	REPRESENTS LIGHTED FACE FOR EXITS				□	
	SIMPLEX RECEPTACLE			1'-4"	□	
	DUPLEX RECEPTACLE			1'-4"	□	
	QUADRUPLX RECEPTACLE			1'-4"	□	
	GPI RECEPTACLE			1'-4"	□	
GENERATOR	EMERGENCY RECEPTACLE			1'-4"	□	
	RECEPTACLE (ORANGE)			44"	□	
	DUPLEX RECEPTACLE			8" ACT	□	
	QUADRUPLX RECEPTACLE			8" ACT	□	
	JUNCTION BOX (WALL MOUNTED)			AS NOTED	□	
	USB TYPE RECEPTACLE				□	
	SURFACE MOUNTED PANEL			78" TO TOP	□	
	FLUSH MOUNTED PANEL			78" TO TOP	□	
	SNAP SWITCH (MOTOR RATED, P. PILOT LIGHT)				□	
	DISCONNECT SWITCH			5'-0"	□	

NOTE: ALL CUTS MADE IN ICF WALLS FOR ROUTING CONDUIT SHALL BE FILLED IN WITH SPRAY FOAM TO MATCH LEVEL OF ICF FOAM REMOVED. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR COMPATIBLE PRODUCT.

SYSTEM TYPE	CABLE COLOR	CONDUIT COLOR	CABLE TYPE
HVAC CONTROLS	GREEN	GREEN	CAT6
VOICE/DATA	BLUE	BLUE	CAT6
WAP	ORANGE	ORANGE	CAT6A
SECURITY	WHITE	WHITE	CAT6
INTERCOM	GRAY	GRAY	CAT6
LIGHTING CONTROLS	PURPLE	PURPLE	CAT6

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPECS. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT (TO BOTTOM OF BOX)	DRAWING SYMBOL
DATA/VOICE/VIDEO	DATA OUTLET: NUMBER BESEID OUTLET			1'-4"	□
	INDICATES NUMBER OF DATA JACKS THAT TELECOMMUNICATING WORKER WILL BE INSTALLING. IF NO NUMBER IS INDICATED, THREE SHALL BE ONE ONE DATA JACK.				
	DATA OUTLET: ABOVE COVER			8" ABOVE CEILING	□
	COMMUNICATOR OUTLET: NUMBER BESEID OUTLET			1'-4"	□
	INDICATES NUMBER OF DATA/VOICE JACKS THAT TELECOMMUNICATING WORKER WILL BE INSTALLING. IF NO NUMBER IS INDICATED, THREE SHALL BE ONE ONE DATA AND ONE VOICE JACK.				
	DATA/VOICE OUTLET IN FLOOR AS NOTED			FLOOR	□
	TELEPHONE/VIDEO SYSTEM OUTLET (8" X WALL BRACKET SPACING)			1'-4"	□
	WIRELESS ACCESS POINT: PROVIDE 3 DATA FILTERS WHERE ACCESSIBLE CEILING SPACE			8" ABOVE CEILING	□
	WIRELESS ACCESS POINT: PROVIDE 3 DATA FILTERS WHERE ACCESSIBLE CEILING SPACE			8" ABOVE CEILING	□
	WIRELESS ACCESS POINT: PROVIDE 3 DATA FILTERS WHERE ACCESSIBLE CEILING SPACE			8" ABOVE CEILING	□
PAGING/CLOCK	OUTLET: IN CEILING			4'-10"	□
	PHONE SPEAKERS (CEILING ASSEMBLY)			CELL	□
	SOUND SYSTEM SPEAKER			CELL	□
	RECESSED MOUNTED PAGING-ONLY (WHEN SHOWN INTERIOR), BEATER (WHEN SHOWN EXTERIOR), PAGING-ONLY (WHEN SHOWN EXTERIOR)			9'-10"	□
	CALL IN STATION			44"	□
	WALL VOLUME CONTROL			44"	□
	PAGING MICROPHONE MUTE			1'-4"	□
	SINGLE FACE WIRELESS DIGITAL CLOCK (FUNCTION BOX FOR 120V SHALL BE PROVIDED) (REQUIRE LOCAL BATTERY BACKUP) 4" LETTERS IN 1/2" AND CASTERING 4" SQUARE			7'-10" (12" DIA. AND 4" DIA.)	□
	DOUBLE FACE WIRELESS DIGITAL CLOCK (FUNCTION BOX FOR 120V SHALL BE PROVIDED) (REQUIRE LOCAL BATTERY BACKUP) 4" LETTERS IN 1/2" AND CASTERING 4" SQUARE			7'-10" (12" DIA. AND 4" DIA.)	□
	PHONE SYSTEM REMOTE CONTROL STATION			1'-4"	□
LOCAL SOUND AMPLIFICATION	WALL MICRO-PHONING OUTLET: SINGLE			1'-4"	□
	WALL MICRO-PHONING OUTLETS (4 AS NOTED)			1'-4"	□
	PORTABLE RACK CONNECTION			1'-4"	□
	FLOOR MICRO-PHONING OUTLET: SINGLE			FLOOR	□
	FLOOR MICRO-PHONING OUTLETS (4 AS NOTED)			FLOOR	□
	CASSETTA SOUND SYSTEM AMPLIFIER			78" TO TOP	□
	CHANGEOVER SOUND SYSTEM AMPLIFIER			78" TO TOP	□
	MAIN CONTROL PANEL: CENTRAL PROCESSING			8'-4" TO TOP	□
	PHILL STATION: SINGLE ACTION			42" TO LEVER	□
	PULL STATION: DOUBLE ACTION			42" TO LEVER	□
FIRE ALARM	SPEAKER / ADA STROKE			44"	□
	SPEAKER ONLY			44"	□
	STROKE UNIT ONLY			44"	□
	PHOTO-ELECTRIC SMOKE DETECTOR			CELL	□
	PHOTO-ELECTRIC SMOKE DETECTOR/HEAT DETECTOR FOR ELEVATOR CONTROL			CELL	□
	HEAT DETECTOR			CELL	□
	HEAT DETECTOR: 200° - RATE OF RISE			CELL	□
	ANALOG MONITOR MODULE			44"	□
	DOOR HOLDER: WALL TYPE			7'-10"	□
	DUCT SMOKE DETECTOR			8" MECH.	□
ABBREVIATIONS	CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE			AS REQUIRED	□
	CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE			AS REQUIRED	□
	PRESSURE SWITCH			PS	□
	PROF. INDICATOR VALVE			P.I.V.	□
	REMOTE I.C.D. ANNUNCIATOR			F.A.A.	□
	ADA STROBE LIGHT WITH "TIE" LABEL			V.M.	□
	REMOTE "TIE" COMMAND STATION			C.R.T.	□
	REMOTE REPORTING TELEPHONE DIALER			R.T.D.	□
	FLUSH-MOUNTED REMOTE ALARM INDICATING STATION			R.A.I.	□
	"M" INDICATES DEVICE SHALL BE PROVIDED WITH WIRE DIAPHRAGM			M	□
SECURITY	UNLESS OTHERWISE NOTED			OWN	□
	OWNER FURNISHED, CONTRACTOR INSTALLED			OFI	□
	OWNER FURNISHED, OWNER INSTALLED			OFD	□
	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED			CFI	□
	CONTRACTOR FURNISHED, OWNER INSTALLED			CFD	□
	INDICATES EMERGENCY POWER			E.P.M.	□
	SECURITY DOOR CONTACTS			□	□
	ACCESS CONTROL DOOR CONTACT			□	□
	CARD READER			□	□
	INTERIOR CAMERA			CELL	□
EXTERIOR CAMERA (WHEN SHOWN ON EXTERIOR)			10"	□	
MOTION DETECTOR			CELL	□	
INTERIOR CAMERA/IC (SONAR/SONIC)			CELL	□	
AUDIO DETECTOR			CELL	□	
SIREN			CELL	□	
KEYPAD			48"	□	
DOOR RELEASE (RELEASED FROM DOOR RELEASE PUSHBUTTON)			48" DOOR	□	
DOOR RELEASE PUSHBUTTON (RELEASES DOOR)			48" DOOR	□	
INTERCOM ADMIN MASTER STATION			48"	□	
INTERCOM STATION			48"	□	

MOUNT 80" ABOVE FLOOR OR 8" BELOW CEILING (WHICHEVER IS LOWER)



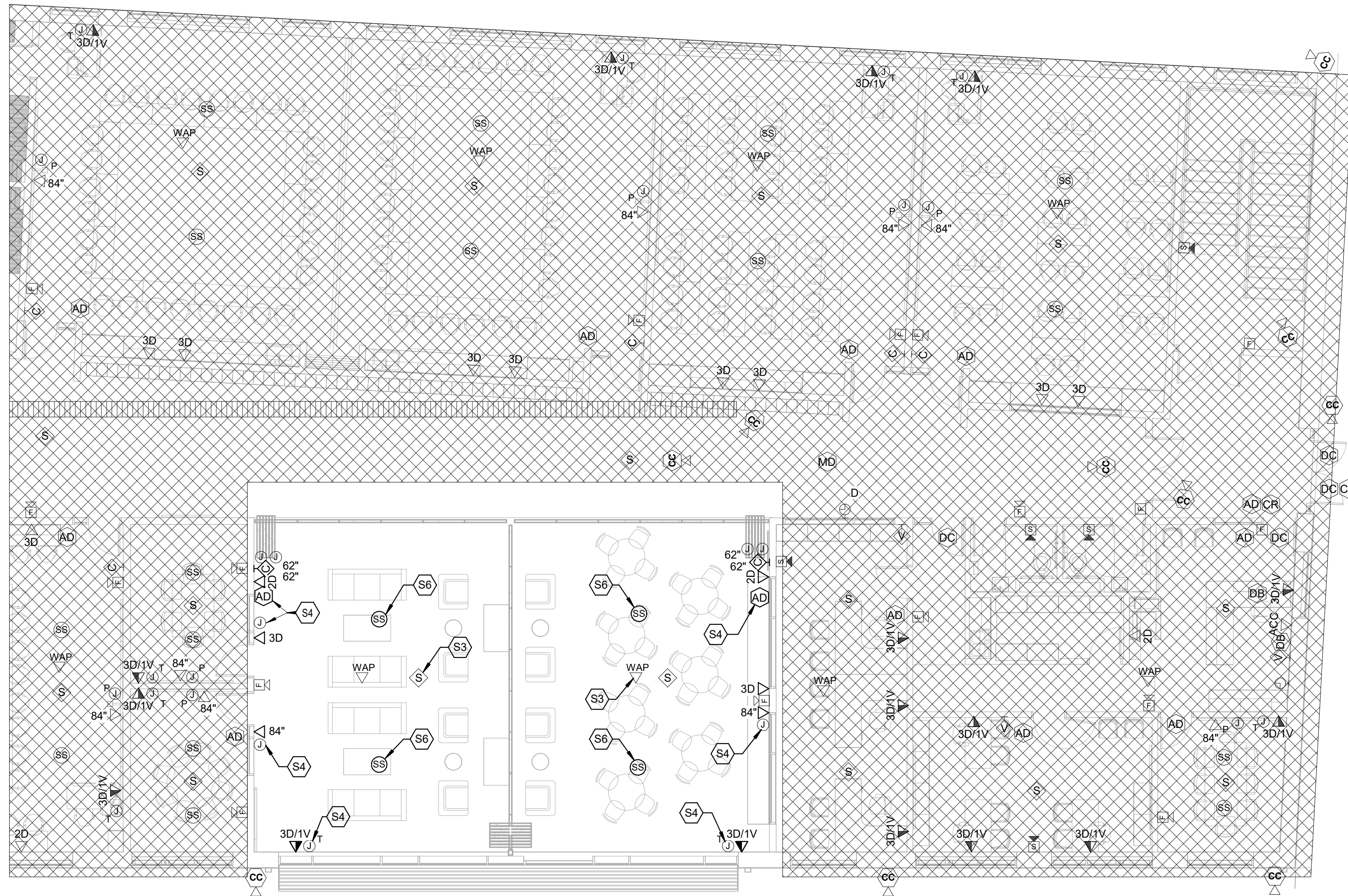
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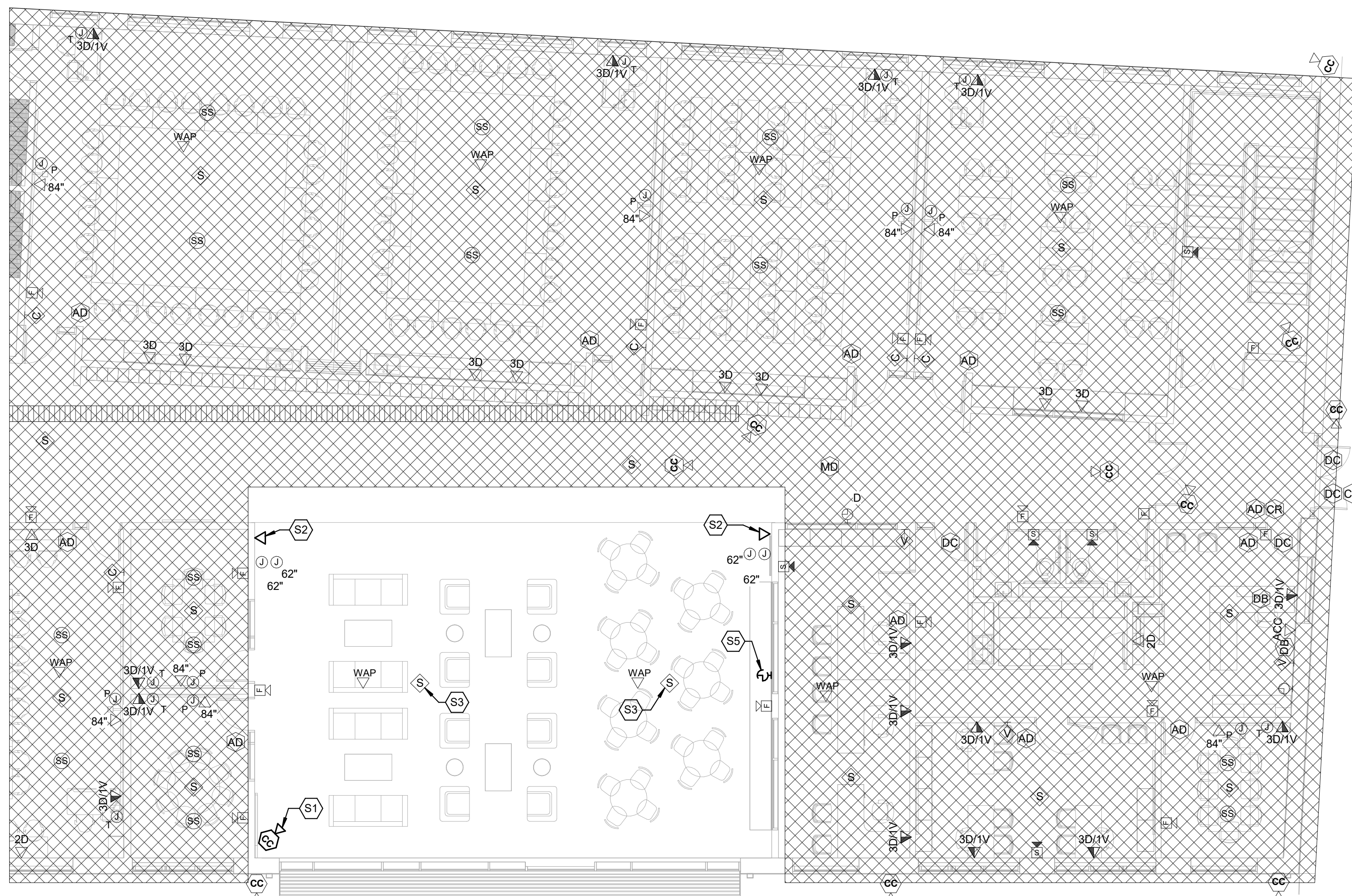
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 Checked: BWR  
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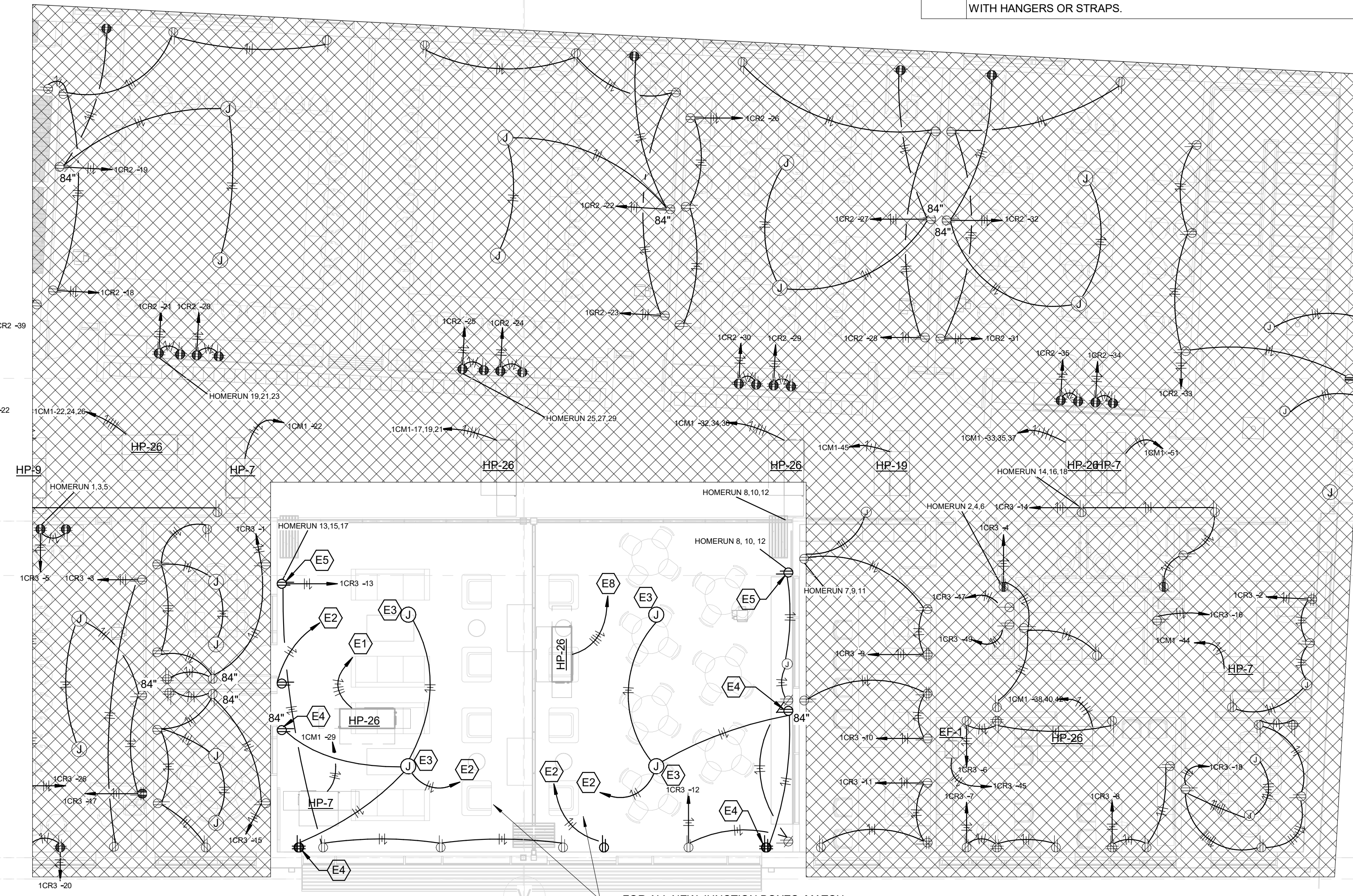




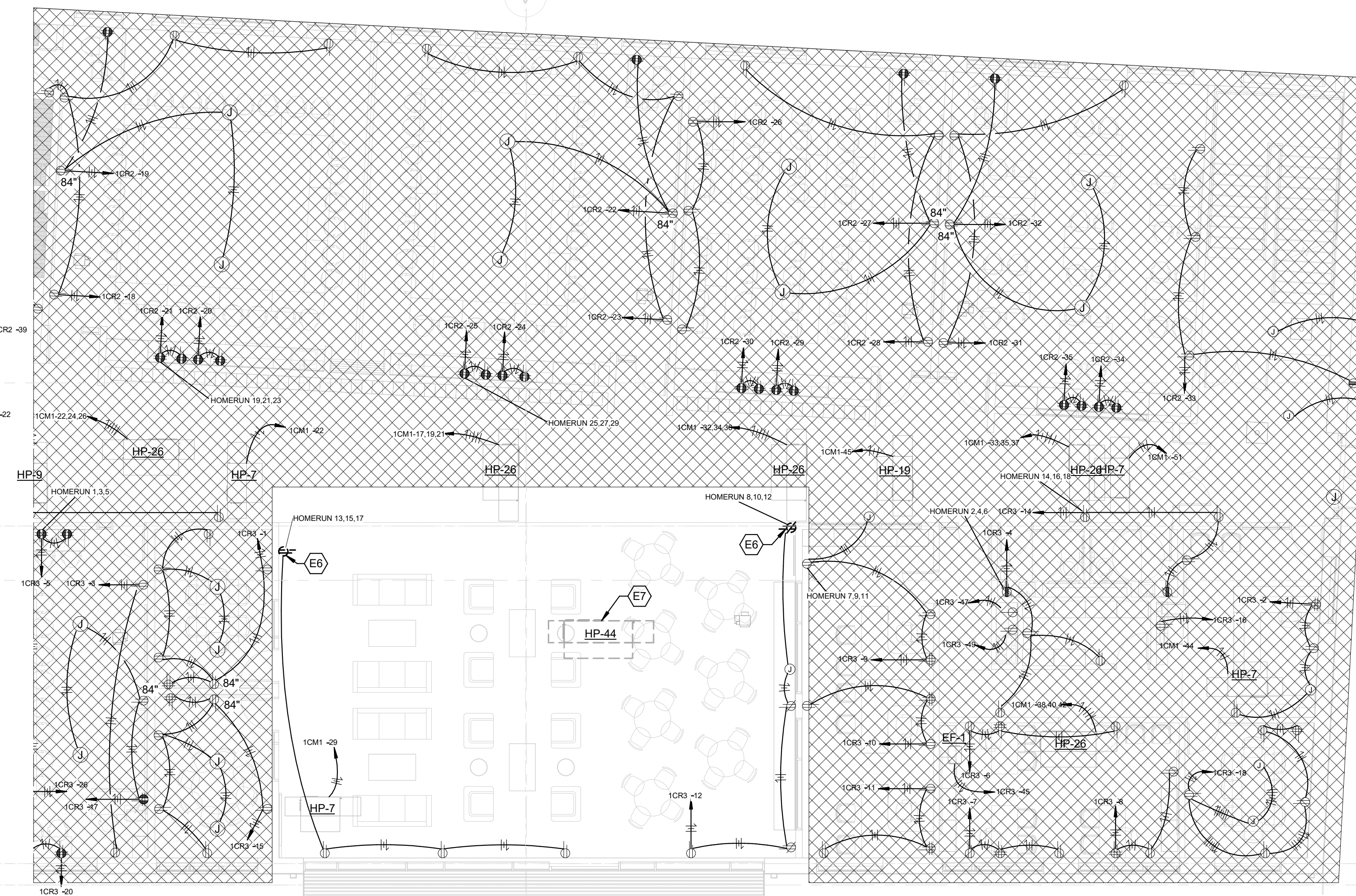
4 MOVEABLE PARTITIONS SYSTEMS NEW WORK  
1/8" = 1'-0"



3 MOVEABLE PARTITIONS SYSTEMS DEMOLITION  
1/8" = 1'-0"

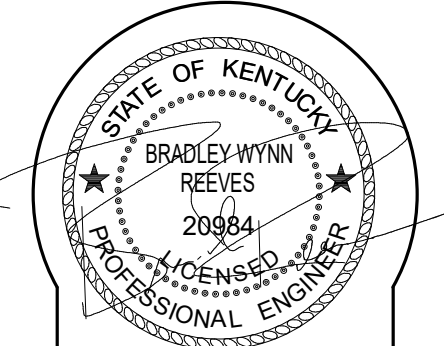


2 MOVEABLE PARTITIONS POWER NEW WORK  
1/8" = 1'-0"



1 MOVEABLE PARTITIONS POWER DEMOLITION  
1/8" = 1'-0"

TAGGED NOTES	
E1	EXTEND #12, #12G IN 3/4" CONDUIT TO PANEL 1CM1, PROVIDE 20A/3P BREAKER.
E2	EXTEND 2#12, #12G IN 3/4" CONDUIT TO SPARE 20A/1P BREAKER IN PANEL 1CR3.
E3	CONNECTION TO SPEAKER - REFER TO SYSTEMS DRAWINGS.
E4	SURFACE MOUNT DEVICE IN LOCATION SHOWN. PROVIDE WIRE MOLD MOUNTED ON WALL FROM CEILING TO DEVICE LOCATION TO CONCEAL CABLING.
E5	SURFACE MOUNT DEVICE IN LOCATION SHOWN. PROVIDE WIRE MOLD MOUNTED ON WALL FROM CEILING TO DEVICE LOCATION TO CONCEAL CABLING. UTILIZE AND EXTEND EXISTING CIRCUIT CABLING FROM NEARBY DEMOLISHED RECEPTACLE.
E6	EXISTING RECEPTACLE TO BE REMOVED. PROTECT CABLING FOR NEW RECEPTACLE LOCATION. PATCH AND REPAIR WALL TO MATCH EXISTING.
E7	DISCONNECT AND REUSE EXISTING CABLING AND CONDUIT FOR NEW HEAT PUMP. REFER TO VIEW 2 THIS SHEET FOR MORE INFORMATION.
E8	UTILIZE AND EXTEND EXISTING 4#12, 1#12 GROUND IN 3/4" CONDUIT TO NEW HP-26. REPLACE EXISTING BREAKER WITH NEW 20A/3P BREAKER IN PANEL 1CM1.
S1	DEMOLISH EXISTING CAMERA AND RETURN TO OWNER IN WORKING CONDITION.
S2	DEMOLISH EXISTING DATA BOX. REMOVE CABLING BACK TO TERMINATION POINT. PATCH AND REPAIR TO MATCH EXISTING WALL.
S3	TEMPORARILY REMOVE ALL EXISTING CEILING MOUNTED DEVICES AND REINSTALL ONCE NEW CEILING GRID IS INSTALLED (TYPICAL).
S4	SURFACE MOUNT DEVICE IN LOCATION SHOWN. PROVIDE WIRE MOLD MOUNTED ON WALL FROM CEILING TO DEVICE LOCATION TO CONCEAL CABLING.
S5	DEMOLISH EXISTING CLOCK AND RETURN TO OWNER IN WORKING CONDITION.
S6	CLASSROOM SPEAKER SYSTEM - PROVIDE 8" SELF-POWERED, SELF-CONTAINED SPEAKERS WITH MINIMUM 50Z MAGNET AND 15W POWER RATING WITH Baffles MOUNTED IN T-GRID WHEN CEILING IS PRESENT AND MOUNTED IN STRUCTURE WHEN NO CEILING IS PRESENT. PROVIDE DC POWER SUPPLY AND POWER VIA CIRCUIT INDICATED ON POWER DRAWINGS. EXTEND LOW VOLTAGE CABLE FROM POWER SUPPLY TO EACH OF THE SELF-POWERED SPEAKERS. EXTEND RCA CABLE FROM EACH SPEAKER TO THE TEACHER'S WORKSTATION JUNCTION BOX. SPEAKERS SHALL BE INDEPENDENTLY SUSPENDED FROM BUILDING STRUCTURE BY MECHANICAL FASTENING WITH HANGERS OR STRAPS.



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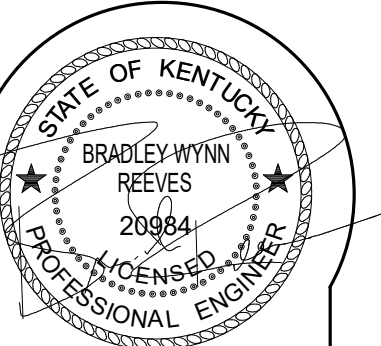
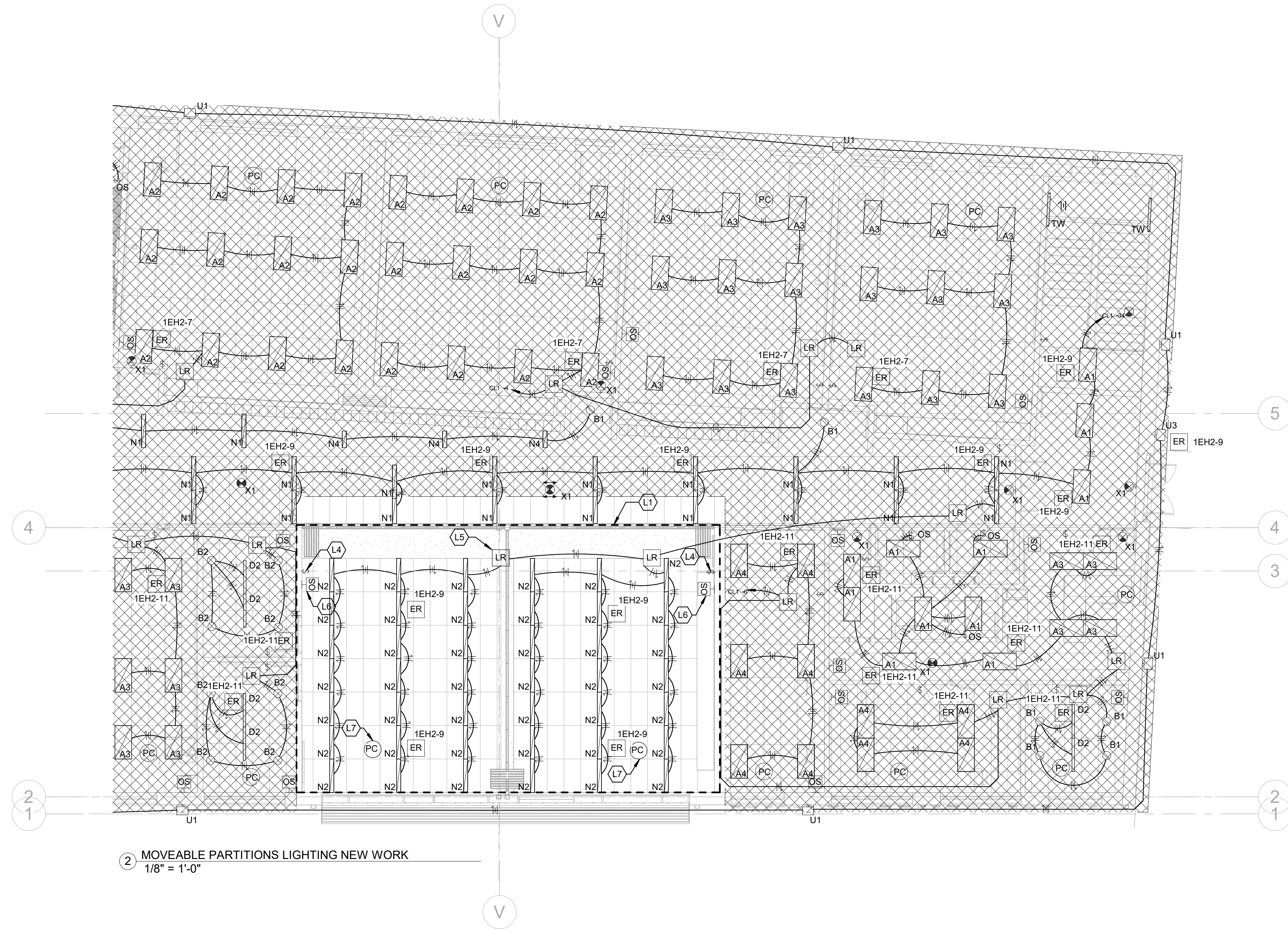


**MOVEABLE PARTITIONS POWER & SYSTEMS PLANS**  
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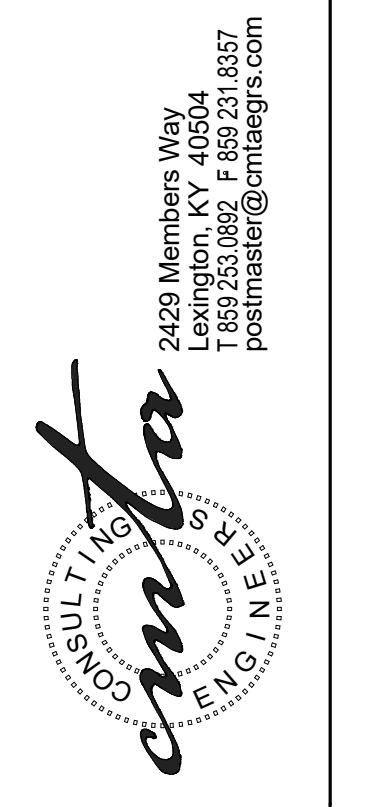
Proj #: H02P144  
Date: 03/22/22  
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**E-1.01**

TAGGED NOTES	
L1	EXISTING LIGHT FIXTURES AND DEVICES THIS AREA TO BE TEMPORARILY SUPPORTED DURING REMOVAL OF EXISTING CEILING TILE. REINSTALL ALL FIXTURES AND DEVICES ONCE NEW CEILING TILE IS INSTALLED.
L4	PROVIDE NEW LIGHT SWITCH FOR CONTROL OF FIXTURES, THIS CLASSROOM. PROVIDE WALL MOUNTED WIRE MOLD FROM CEILING TO DEVICE LOCATION TO CONCEAL CABLING.
L5	PROVIDE NEW NETWORKED LIGHTING RELAY FOR CONTROL OF FIXTURES THIS CLASSROOM. CONNECT TO EXISTING LIGHTING CONTROL NETWORK. REWORK EXISTING CABLING AS NECESSARY FOR SEPARATE CONTROL OF FIXTURES IN BOTH CLASSROOMS. REWORK CABLING FOR EMERGENCY RELAYS TO NEW LIGHTING RELAY.
L6	PROVIDE NEW WALL MOUNT OCCUPANCY SENSOR AND CONNECT TO LIGHTING RELAY THIS CLASSROOM FOR CONTROL OF LIGHTING FIXTURES.
L7	PROVIDE NEW CEILING MOUNT PHOTOCELL AND CONNECT TO LIGHTING RELAY THIS CLASSROOM FOR CONTROL OF LIGHTING FIXTURES.



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**MOVEABLE PARTITIONS LIGHTING PLANS**  
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Proj #	1402P114
Date	03/22/2022
Drawn	JLN
Checked	BWR
Revised	