

LEE'S SUMMIT POLICE RENOVATION

10 NE TUDOR RD
LEE'S SUMMIT, MO 64086

HOEFER WELKER

HW PROJECT NO: 138191



OWNER

CITY OF LEE'S SUMMIT
220 SE GREEN
LEE'S SUMMIT, MO 64083
P: 816.969.1000

ARCHITECT

HOEFER WELKER
4622 PENNSYLVANIA AVENUE, SUITE 1400
KANSAS CITY, MO 64112
P: 913.307.3700

CONSTRUCTION MANAGER

TITAN BUILT
8207 MELROSE DRIVE, SUITE 200
LENEXA, KANSAS 66214
P: 913.782.6700

MEPT ENGINEER

HOEFER WELKER
4622 PENNSYLVANIA AVENUE, SUITE 1400
KANSAS CITY, MO 64112
P: 913.307.3700

PACKAGE 3 - RTCC

MARCH 17, 2025

RTCC	
X-002	COVER SHEET RTCC
G-011	GENERAL INFORMATION
G-021	ACCESSIBILITY GUIDELINES
G-301	PARTITION TYPES
G-401	SPECIFICATIONS
AD403	ENLARGED DEMO PLAN - RTCC
A-403	ENLARGED, FFE & FINISH PLANS
MG001	MECHANICAL LEGEND AND GENERAL NOTES
MD402	ENLARGED HVAC DEMOLITION PLANS
M-402	ENLARGED HVAC FLOOR PLANS
EG001	ELECTRICAL LEGEND AND GENERAL NOTES
ED402	ENLARGED ELECTRICAL DEMOLITION PLANS
E-403	ENLARGED ELECTRICAL PLANS
E-601	PANELBOARD SCHEDULES



PARTITION TYPE LEGEND:

P3-1w

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MODIFIER
 EXAMPLE:
 w = 2 LAYERS GYPSUM BOARD ON BOTH SIDES

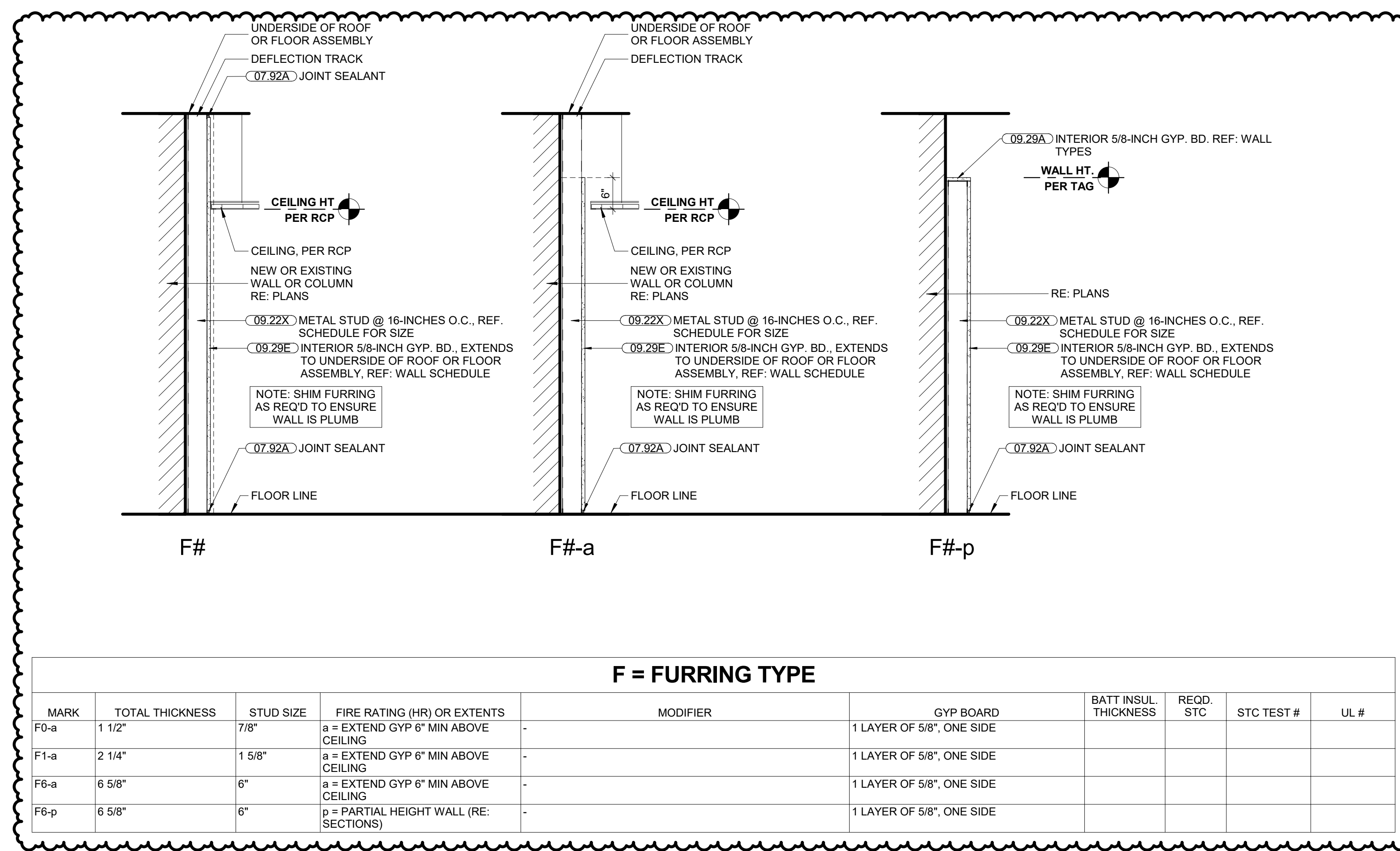
FIRE RATING/WALL EXTENT
 FIRE RATING (ONE-DIGIT CODE) WILL ONLY SHOW IN THE TAG. IF A RATING IS REQUIRED
 1 = 1-HR RATING
 a = WALL EXTENDS 6" (RE: ELEVATIONS)
 p = PARTIAL HEIGHT WALL (RE: ELEVATIONS)

STUD SIZE
 EXAMPLE:
 3 = 3 5/8" METAL STUD

PARTITION TYPE DESIGNATION
 EXAMPLE:
 p = GYP BD PARTITION

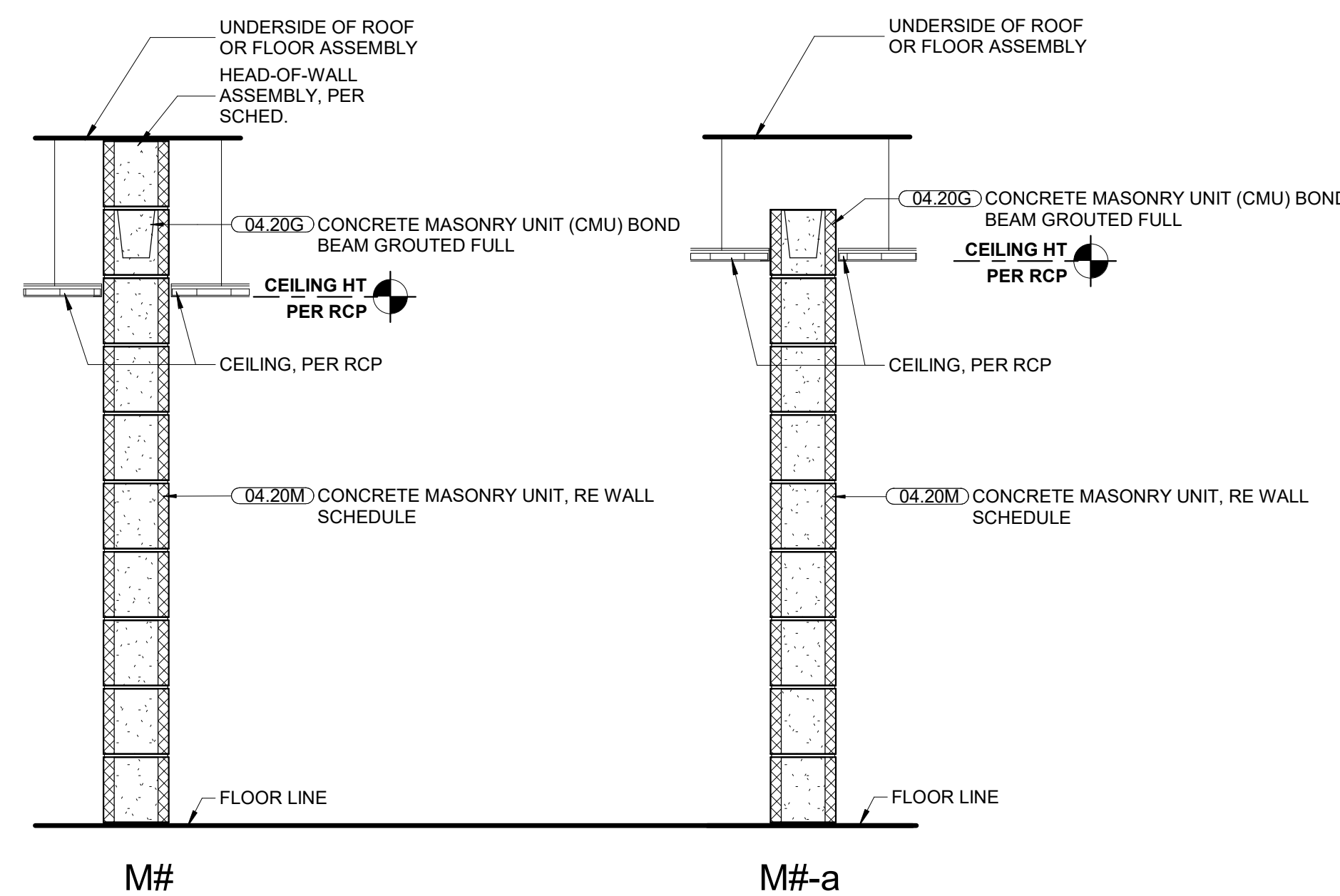
GENERAL WALL TYPE NOTES:

- RE: SHEET G-011 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
- RE: LIFE SAFETY PLANS FOR RATED WALL LOCATIONS.
- RE: WALL TYPE DETAIL SHEET FOR TYPICAL WALL DETAILS, HEAD-OF-WALL DETAILS, AND ADDITIONAL WALL TYPE INFORMATION.
- COORDINATE METAL STUD GAUGE WITH PRE-APPROVED EQUIPMENT ANCHORAGE. WHERE A DISCREPANCY OCCURS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- WHERE "ACOUSTIC SEALANT" IS INDICATED ON WALL TYPES, PROVIDE ACOUSTIC (SOUND) SEALANT ABOVE TOP TRACK, UNDER BOTTOM TRACK, AND AT ALL PENETRATIONS (BOTH SIDES).
- WHERE "FIRE CAULK" IS INDICATED ON WALL TYPES, PROVIDE FIRE-RATED SEALANT ABOVE TOP TRACK, UNDER BOTTOM TRACK, AT ALL PENETRATIONS (BOTH SIDES), AND AS REQUIRED BY FIRE RATING UL NUMBER.
- EXTEND FIRE-RATED WALL CONSTRUCTION BEHIND NON-RATED RECESSED OR BUILT-IN EQUIPMENT, SUCH AS FIRE EXTINGUISHER CABINETS (FEC), ELECTRICAL WATER COOLERS (EWC), ELECTRICAL PANELS, ETC., UNLESS NOTED OTHERWISE. REFER TO THE 5-SIDED BOX DETAIL ON THE WALL TYPE DETAILS SHEET.
- PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK AND OF ALL FLOOR MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR LABORATORY EQUIPMENT.
- WHERE HVAC OR OTHER MECHANICAL, ELECTRICAL AND PLUMBING ITEMS PENETRATE PARTITIONS, STUDS SHALL BE BRACED AND FRAMED TO STRUCTURE AS REQUIRED TO PROVIDE ADEQUATE SUPPORT. ALL PENETRATIONS THROUGH ACOUSTICAL AND FIRE RATED WALLS SHALL BE SEALED TO PROVIDE FIRE, SMOKE, AND/OR ACOUSTICAL ISOLATION OF SPACES WITH APPROPRIATE ACOUSTICAL FIRESTOP MATERIAL.
- THERE SHALL BE NO BACK-TO-BACK ELECTRICAL, TELEPHONE, OR OTHER OUTLETS, EXCEPT WHERE SPECIFICALLY SHOWN.
- WALL BASE IS NOT SHOWN ON ALL WALL TYPES FOR CLARITY. REFER TO FINISH SCHEDULE.
- PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.
- EXCEPT AT FIRE-RATED PARTITIONS, ALL WALL AND COLUMN GYPSUM BOARD FACING SHALL BE HELD AT 5/8" INCH BELOW STRUCTURE, UNLESS NOTED OR SHOWN OTHERWISE.
- PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT THE INTERIOR SIDE OF ALL EXTERIOR WALLS.
- STC AND STC TEST NUMBERS ASSUME 20 GA STUDS AT 16" O.C. AT COLD FORMED METAL FRAMING. WOOD FRAMING IS ALSO ASSUMED TO BE AT 16" O.C. CMU TEST REPORTS ASSUME HOLLOW UNITS (NO GROUT OR SAND).



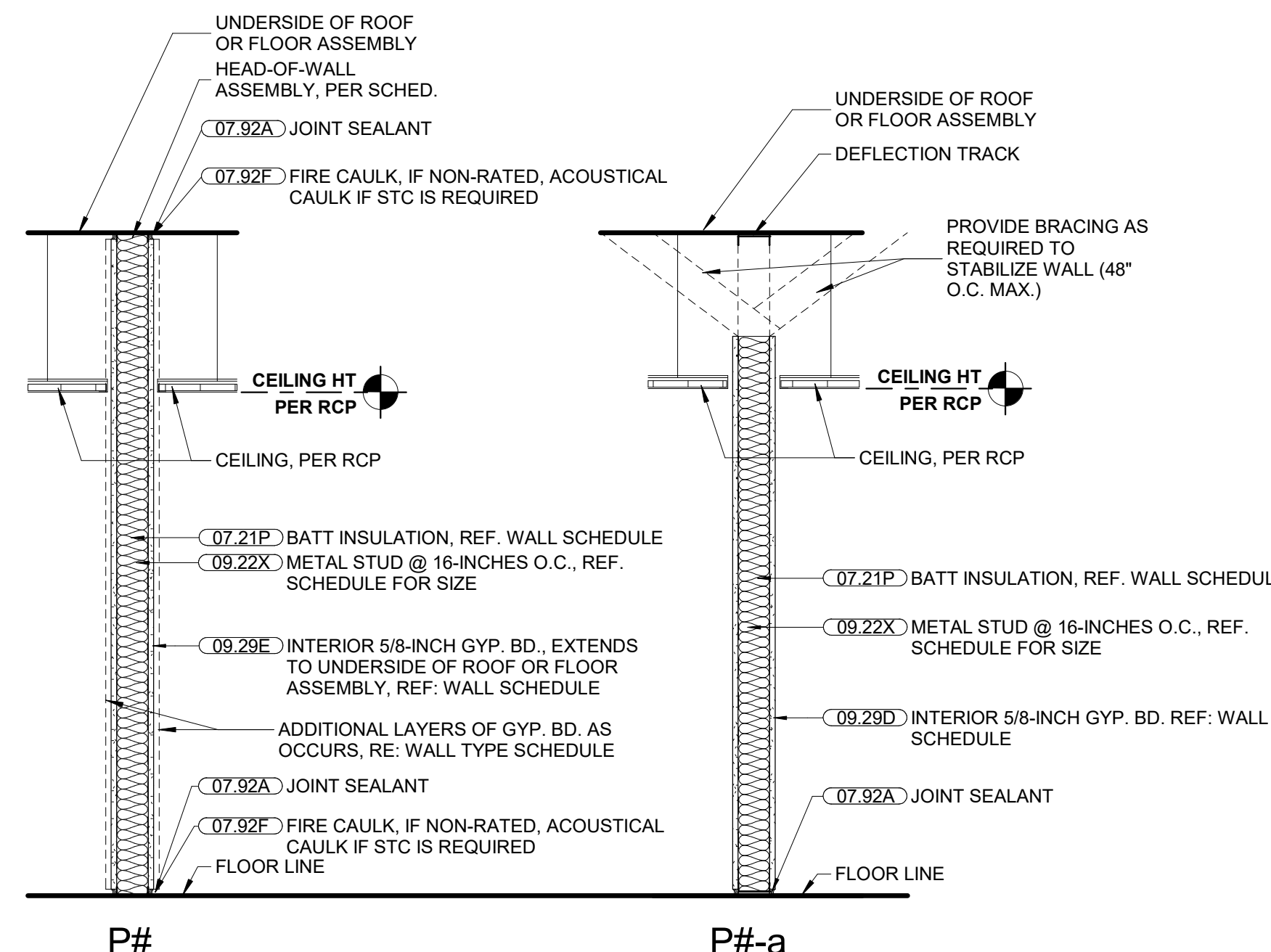
F = FURRING TYPE

MARK	TOTAL THICKNESS	STUD SIZE	FIRE RATING (HR) OR EXTENTS	MODIFIER	GYP BOARD	BATT INSUL. THICKNESS	RECD. STC	STC TEST #	UL #
F0-a	1 1/2"	7/8"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", ONE SIDE				
F1-a	2 1/4"	1 5/8"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", ONE SIDE				
F6-a	6 5/8"	6"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", ONE SIDE				
F6-p	6 5/8"	6"	p = PARTIAL HEIGHT WALL (RE: SECTIONS)	-	1 LAYER OF 5/8", ONE SIDE				



M = MASONRY PARTITION TYPE

MARK	TOTAL THICKNESS	FIRE RATING (HR) OR EXTENTS	MODIFIER	RECD. STC	STC TEST #	UL #
MB	7 5/8"	NON RATED				
MB.1	7 5/8"	2 HOUR				



P = PARTITION TYPE

MARK	TOTAL THICKNESS	STUD SIZE	FIRE RATING (HR) OR EXTENTS	MODIFIER	GYP BOARD	BATT INSUL. THICKNESS	RECD. STC	STC TEST #	UL #
P3	4 7/8"	3 5/8"	-	-	1 LAYER OF 5/8", BOTH SIDES	3 1/2"	40	NGC-2018074	
P6	7 1/4"	6"	-	-	1 LAYER OF 5/8", BOTH SIDES	6"	44	NGC-2018133	
P3a	4 7/8"	3 5/8"	-	-	1 LAYER OF 5/8", BOTH SIDES	3 1/2"			

ADDITIONAL SPECIFICATIONS FOR THIS PROJECT ARE FOUND IN THE LEE'S SUMMIT JOINT OPERATIONS FACILITY, PACKAGE 2: CONSTRUCTION SET

LEE'S SUMMIT POLICE RENOVATION
 10 NE TUDOR RD
 LEE'S SUMMIT, MO 64086

REVISION DATES:



PROFESSIONAL SEAL
G-401
 ISSUE DATE: NOV. 7, 2024
 HOEFER WELKER #: 138191

LEE'S SUMMIT POLICE RENOVATION
 LEE'S SUMMIT, MO 138191

Hardware Sets

Set: 1.0
 Doors: L03C, L03D, L05B, L06B, L312A, L312B, L312C, L312D
 Description: OH DOOR

1 Hardware By Others Hardware By Door Supplier

Set: 2.0
 Doors: L03B, L05C, L06A
 Description: EXTERIOR HMD CARD READER LOCK CPS CLOSER

2 Hinge, Full Mortise, Hvy Wt	T4A3386 NRP 4-1/2" x 4-1/2"	US32D	MK	087100
1 Hinge, Full Mortise, Hvy Wt	T4A3386 QC12 4-1/2" x 4-1/2"	US32D	MK	087100
1 Fail Secure Lock	LC RX 8271-24V LNMB	US32D	SA	087100
1 Cylinder Rim/Mortise	type as req'd for hardware item, match existing key system			
1 Door Closer	PR7500	689	NO	087100
1 Gasketing	2891AS		PE	087100
1 Rain Guard	346C		PE	087100
1 Sweep	3452AV		PE	087100
1 Threshold	2005AT		PE	087100
1 ElectroLynx Harness	QC-C1500P/QC-C1500		MK	087100
1 ElectroLynx Harness	QC-Cxx/CxxP (size to door width/hardware)		MK	087100
1 Position Switch	DPS		SU	087100
1 Card Reader	Wall Mounted Reader by access control provider		HID	
1 Power Supply	AQD or Centralized Power Source (coordinate w/GC)		SU	087100

Notes: ACCESS BY AUTHORIZED CARD CREDENTIAL OR MANUAL KEY. ALWAYS FREE EGRESS.

Set: 3.0
 Doors: L04A
 Description: EXTERIOR HMD CARD READER LOCK PR CLOSER

DOOR HARDWARE 087100 - 1

LEE'S SUMMIT POLICE RENOVATION
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3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK	087100
1 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Fail Secure Lock	LC RX 8271-24V LNMB	US26D	SA	087100
1 Cylinder Rim/Mortise	type as req'd for hardware item, match existing key system			
1 Door Closer	CPS7500	689	NO	087100
1 Blade Stop	6891	689	NO	087100
1 Drop Plate	7788	689	NO	087100
1 Set Weatherstrip	by Door Manufacturer			
1 ElectroLynx Harness	QC-C1500P/QC-C1500		MK	087100
1 ElectroLynx Harness	QC-Cxx/CxxP (size to door width/hardware)		MK	087100
1 Position Switch	DPS		SU	087100
1 Card Reader	Wall Mounted Reader by access control provider		HID	
1 Power Supply	AQD or Centralized Power Source (coordinate w/GC)		SU	087100

Notes: ACCESS BY AUTHORIZED CARD CREDENTIAL OR MANUAL KEY. ALWAYS FREE EGRESS.

Set: 7.0
 Doors: L359, L361
 Description: OFFICE LOCK NO CLOSER GASKET

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK	087100
1 Office/Entry Lock	LC 8205 LNMB	US26D	SA	087100
1 Cylinder Rim/Mortise	type as req'd for hardware item, match existing key system			
1 Wall Stop	409	US32D	RO	087100
3 Silencer	608		RO	087100

Notes: RM850 FLOOR STOP @ L359.

Set: 8.0
 Doors: L251
 Description: STOREROOM LOCK PR CLOSER

3 Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK	087100
1 Storeroom/Closet Lock	LC 8204 LNMB	US26D	SA	087100

DOOR HARDWARE 087100 - 4

LEE'S SUMMIT POLICE RENOVATION
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2 Hinge, Full Mortise, Hvy Wt	T4A3386 NRP 4-1/2" x 4-1/2"	US32D	MK	087100
1 Hinge, Full Mortise, Hvy Wt	T4A3386 QC12 4-1/2" x 4-1/2"	US32D	MK	087100
1 Fail Secure Lock	LC RX 8271-24V LNMB	US32D	SA	087100
1 Cylinder Rim/Mortise	type as req'd for hardware item, match existing key system			
1 Door Closer	PR7500	689	NO	087100
1 Wall Stop	409	US32D	RO	087100
1 Gasketing	2891AS		PE	087100
1 Rain Guard	346C		PE	087100
1 Sweep	3452AV		PE	087100
1 Threshold	2005AT		PE	087100
1 ElectroLynx Harness	QC-C1500P/QC-C1500		MK	087100
1 ElectroLynx Harness	QC-Cxx/CxxP (size to door width/hardware)		MK	087100
1 Position Switch	DPS		SU	087100
1 Card Reader	Wall Mounted Reader by access control provider		HID	
1 Power Supply	AQD or Centralized Power Source (coordinate w/GC)		SU	087100

Notes: ACCESS BY AUTHORIZED CARD CREDENTIAL OR MANUAL KEY. ALWAYS FREE EGRESS.

Set: 4.0
 Doors: L03A, L05A
 Description: CARD READER LOCK CPS CLOSER GASKET SWEEP TH

2 Hinge (heavy weight)	T4A3786 4-1/2" x 4-1/2"	US26D	MK	087100
1 Hinge (heavy weight)	T4A3786 QC12 4-1/2" x 4-1/2"	US26D	MK	087100
1 Fail Secure Lock	LC RX 8271-24V LNMB	US32D	SA	087100
1 Cylinder Rim/Mortise	type as req'd for hardware item, match existing key system			
1 Door Closer	CPS7500	689	NO	087100
1 Gasketing	S773D (Head & Jambs)		PE	087100
1 Sweep	315CN		PE	087100
1 Threshold	171A		PE	087100
1 ElectroLynx Harness	QC-C1500P/QC-C1500		MK	087100
1 ElectroLynx Harness	QC-Cxx/CxxP (size to door width/hardware)		MK	087100

DOOR HARDWARE 087100 - 2

LEE'S SUMMIT POLICE RENOVATION
 LEE'S SUMMIT, MO 138191

1 Cylinder Rim/Mortise	type as req'd for hardware item, match existing key system			
1 Door Closer	PR7500	689	NO	087100
1 Kick Plate	K1050 10" x 2" LDW 4BE CSK	US32D	RO	087100
1 Wall Stop	409	US32D	RO	087100
3 Silencer	608		RO	087100

Set: 9.0
 Doors: L272, L280
 Description: INTERVIEW GASKET SEALS

1 Gasketing, interview rooms	350CSR		PE	087100
1 Threshold	2005AT		PE	087100

Notes: EXISTING DOOR/FRAME ADD NEW GASKET AND THRESHOLD.

END OF SECTION 087100

DOOR HARDWARE 087100 - 5

LEE'S SUMMIT POLICE RENOVATION
 LEE'S SUMMIT, MO 138191

1 Position Switch	DPS		SU	087100
1 Card Reader	Wall Mounted Reader by access control provider		HID	
1 Power Supply	AQD or Centralized Power Source (coordinate w/GC)		SU	087100

Notes: ACCESS BY AUTHORIZED CARD CREDENTIAL OR MANUAL KEY. ALWAYS FREE EGRESS.

Set: 5.0
 Doors: L04B
 Description: CARD READER LOCK PR CLOSER GASKET SWEEP TH

2 Hinge (heavy weight)	T4A3786 4-1/2" x 4-1/2"	US26D	MK	087100
1 Hinge (heavy weight)	T4A3786 QC12 4-1/2" x 4-1/2"	US26D	MK	087100
1 Fail Secure Lock	LC RX 8271-24V LNMB	US32D	SA	087100
1 Cylinder Rim/Mortise	type as req'd for hardware item, match existing key system			
1 Door Closer	PR7500	689	NO	087100
1 Wall Stop	409	US32D	RO	087100
1 Gasketing	S773D (Head & Jambs)		PE	087100
1 Sweep	315CN		PE	087100
1 Threshold	171A		PE	087100
1 ElectroLynx Harness	QC-C1500P/QC-C1500		MK	087100
1 ElectroLynx Harness	QC-Cxx/CxxP (size to door width/hardware)		MK	087100
1 Position Switch	DPS		SU	087100
1 Card Reader	Wall Mounted Reader by access control provider		HID	
1 Power Supply	AQD or Centralized Power Source (coordinate w/GC)		SU	087100

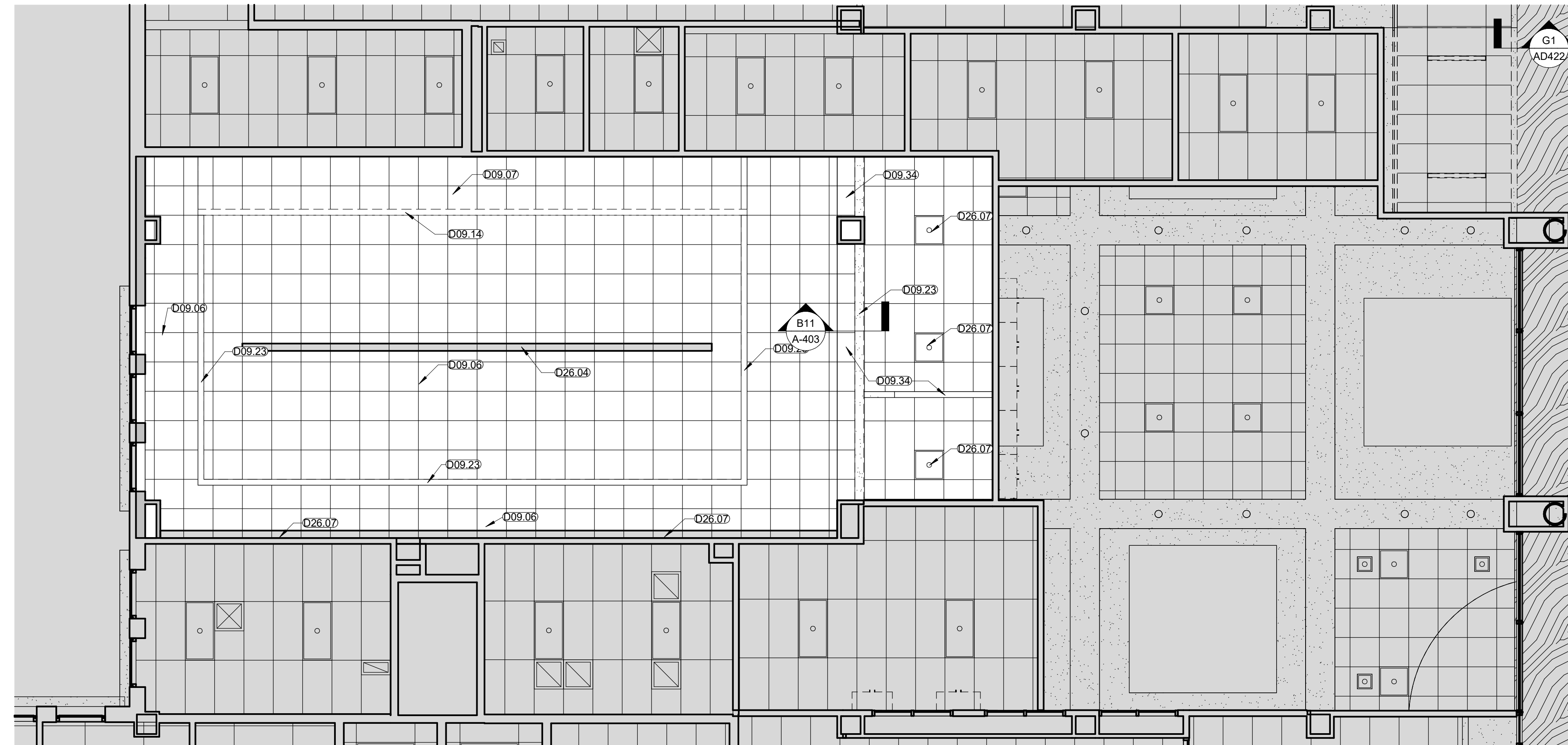
Notes: ACCESS BY AUTHORIZED CARD CREDENTIAL OR MANUAL KEY. ALWAYS FREE EGRESS.

Set: 6.0
 Doors: L191
 Description: ALD CARD READER LOCK CPS CLOSER

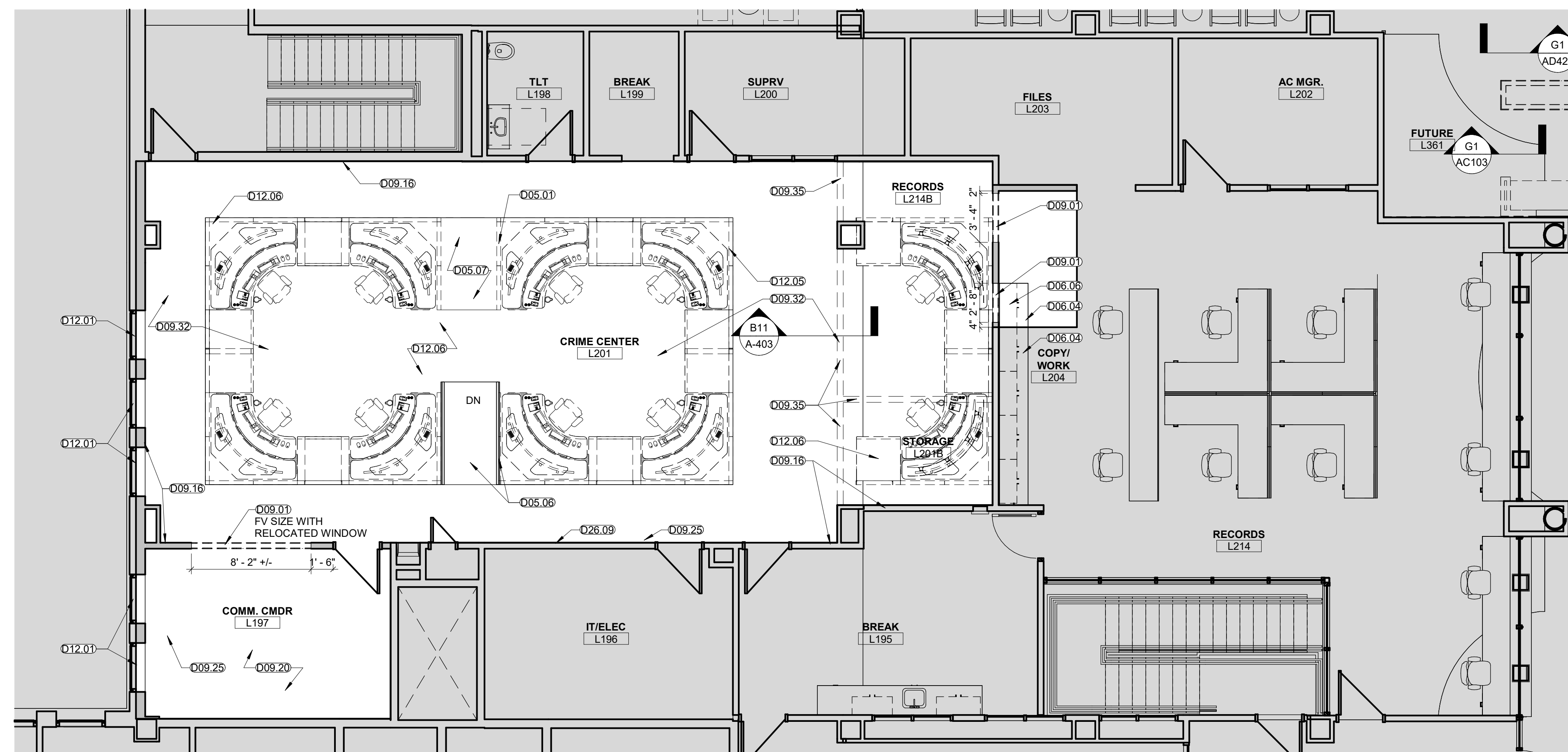
DOOR HARDWARE 087100 - 3

- GENERAL NOTES - DEMOLITION PLANS:**
1. RE SHEET G-011 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE
 2. CONTRACTOR TO VISIT PROJECT SITE AND BUILDING, PRIOR TO BID
 3. BUILDING AND SITE TO REMAIN SECURE DURING DEMOLITION AND CONSTRUCTION
 4. PROTECT ALL ITEMS TO REMAIN (WALLS, PLUMBING FIXTURES, PIPING, HVAC UNITS, COLUMNS, ETC)
 5. CONTRACTOR TO PROTECT EXISTING FINISHES ADJACENT TO DEMOLITION WORK
 6. CONTRACTOR TO PATCH AND REPAIR ALL WORK, ESPECIALLY WORK ADJACENT TO EXISTING AREAS, AS REQUIRED
 7. CONTRACTOR TO REPAIR ANY AREAS DAMAGED DURING DEMOLITION
 8. CONTRACTOR TO REPAIR ANY PUNCTURES OR TEARS TO THE VAPOR BARRIER AT THE EXTERIOR WALLS
 9. CONTRACTOR TO COORDINATE DEMOLITION OPENINGS WITH NEW PLANS AND ELEVATIONS
 10. REMOVE EXISTING GYP BOARD OR PLASTER AS NECESSARY, TO PROVIDE NEW BLOCKING IN EXISTING WALLS FOR NEW CASEWORK AND EQUIPMENT
 11. REMOVE ALL CEILING ELEMENTS IN CONSTRUCTION AREA INDICATED
 12. LIGHT FIXTURES/ CONTROLS ARE SHOWN FOR GENERAL SCOPE ONLY AND DO NOT RELIEVE THE CONTRACTOR OF ANY OBLIGATION TO REMOVE ALL ELEMENTS IN THE CEILING GRID. REFERENCE MEP DRAWINGS FOR EXTENTS ABOVE CEILING GRID. ALL CEILING FIXTURES, DIFFUSERS, SPEAKERS, SMOKE ALARMS, EXIT SIGNS, STROBES, CEILING TILES, CEILING GRID, BULKHEADS, AND SOFFIT ELEMENTS TO BE REMOVED.
 13. SPRINKLER HEADS TO REMAIN. PROTECT DURING DEMOLITION
 14. CONTRACTOR TO REMOVE FENCING AND GATE UPON COMPLETION OF BUILDING AND SIDEWALKS/ PAVING.

DEMOLITION KEYNOTES	
D05.01	REMOVE EXISTING HANDRAILS.
D05.06	PROTECT EXISTING RAMP AND HANDRAILS TO REMAIN.
D05.07	MODIFY EXISTING RAMP TO BE FLUSH WITH RAISED FLOOR.
D06.04	PROTECT EXISTING CASEWORK TO REMAIN.
D06.06	REMOVE UPPER CABINET ONLY. PATCH WALL AS REQUIRED.
D09.01	PROVIDE OPENING IN EXISTING WALL AS SHOWN, PROVIDE WOOD BLOCKING FOR NEW/RELOCATED DOOR/WINDOW.
D09.06	REMOVE ACOUSTICAL CEILING TILES, CEILING GRID AND HANGER WIRES TO REMAIN.
D09.07	REMOVE ALL ACOUSTICAL CEILING TILES, GRID, AND HANGER WIRES.
D09.14	REMOVE DRYWALL BULKHEAD AND/OR SOFFIT.
D09.16	PROTECT EXISTING PARTITION TO REMAIN.
D09.20	PROTECT EXISTING WALLS AND WALL FINISHES.
D09.23	PROTECT EXISTING SOFFIT.
D09.25	REPAIR DRYWALL, AND TOUCHUP PAINT ANY DAMAGE DURING CONSTRUCTION.
D09.32	EXISTING FLOORING TO REMAIN, PROTECT DURING CONSTRUCTION
D09.34	REMOVE PORTION OF EXISTING CEILING TO PREPARE FOR NEW WALL
D09.35	REMOVE CARPET AS REQUIRED FOR NEW WALLS
D12.01	REMOVE AND DISPOSE OF EXISTING BLINDS, REPAIR WALL AS NEEDED FOR NEW ROLLER SHADES
D12.05	FURNITURE TO BE REMOVED BY OWNER
D12.06	ACCESS FLOOR SYSTEM TO REMAIN, PROTECT DURING CONSTRUCTION.
D26.04	REMOVE AND DISPOSE OF LIGHT FIXTURES. (RE ELECTRICAL.)
D26.07	EXISTING LIGHT FIXTURE TO REMAIN, PROTECT DURING CONSTRUCTION
D26.09	EXISTING ELECTRICAL AND LOW VOLTAGE PANELS TO REMAIN, PROTECT DURING CONSTRUCTION



E1 ENLARGED RTCC - DEMO RCP
 3/16" = 1'-0"

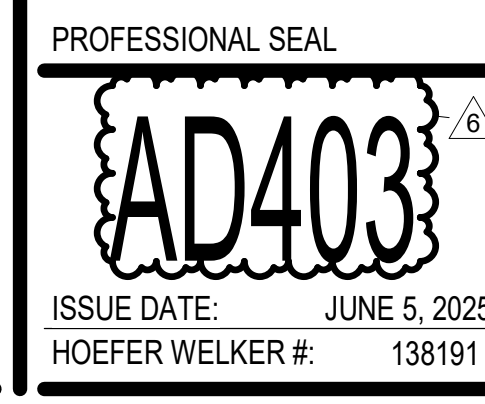


A1 RTCC DEMO PLAN
 3/16" = 1'-0"

LEE'S SUMMIT POLICE RENOVATION
 10 NE TUDOR RD
 LEE'S SUMMIT, MO 64086

REVISION DATES:

2	ADD #002	11/26/2024
6	ASI #004	6/26/2025



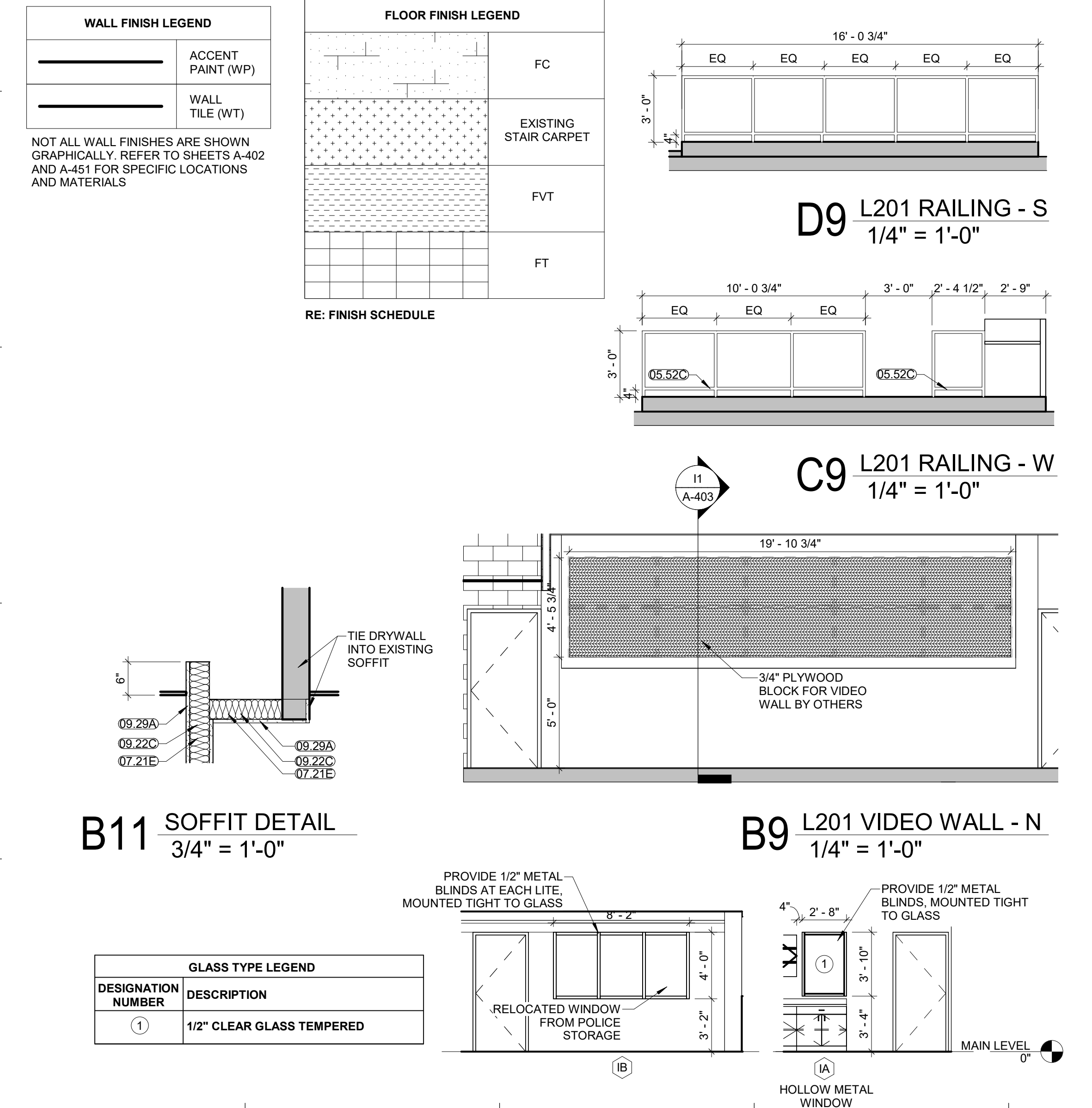
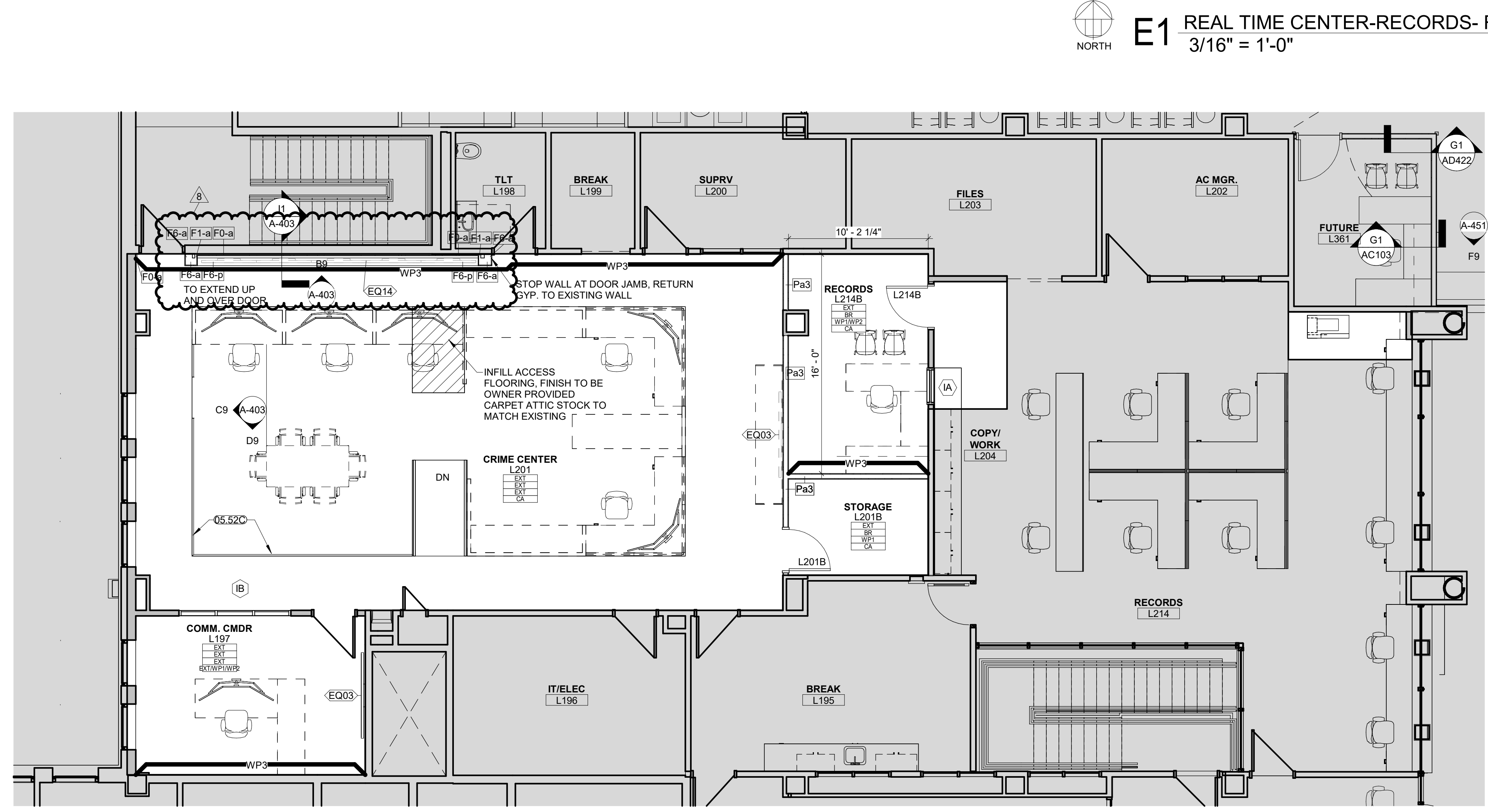
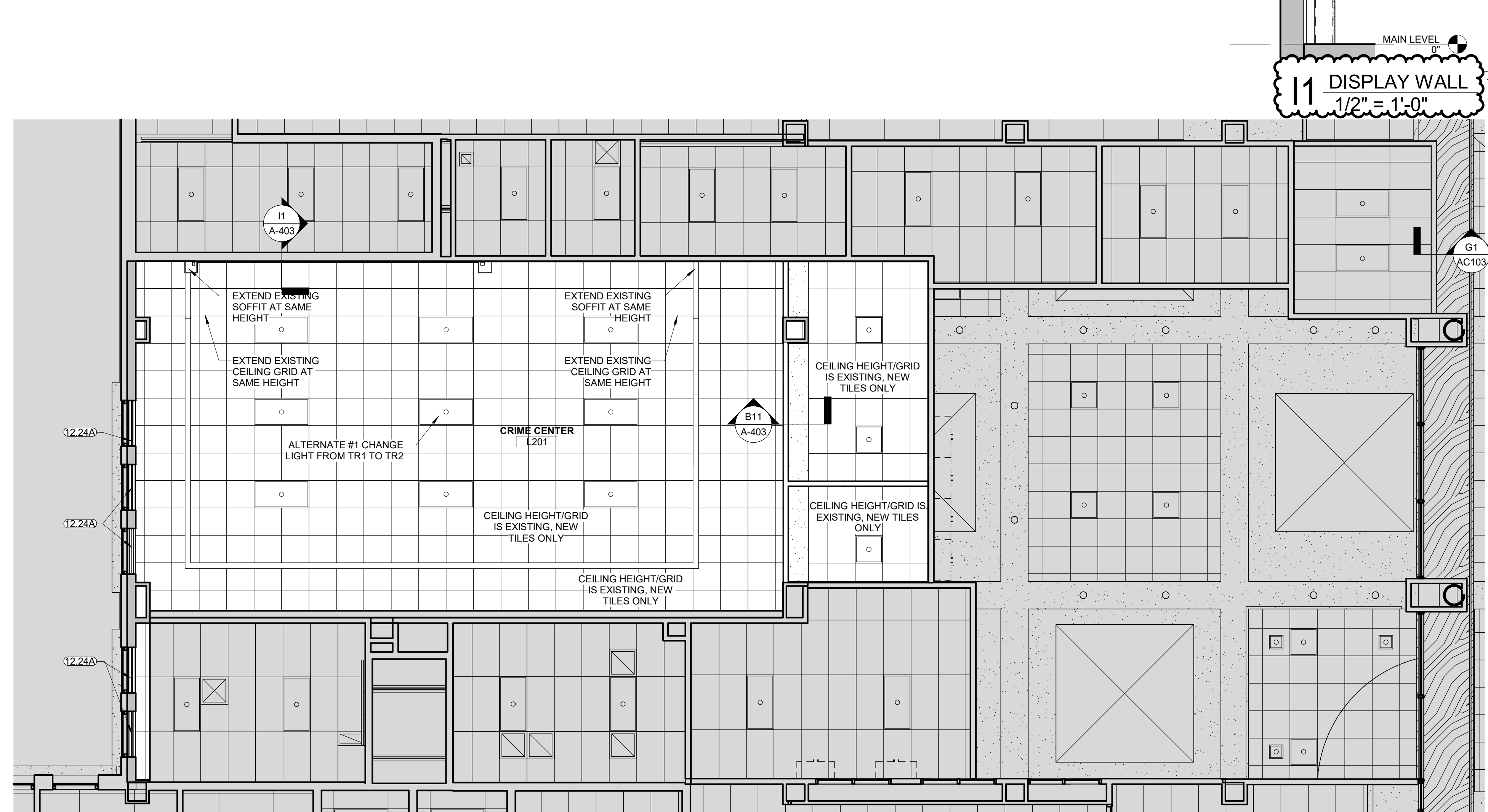
ENLARGED DEMO PLAN - RTCC

FINISH LEGEND				
SYMBOL	MATERIAL	FINISH SPEC	TYP. AREA / REMARKS	CONTACT
FLOOR FINISH				
FC	MODULAR CARPET TILE	MANF: BENTLEY STYLE: REDUX DELUX, COLOR: JAZZ UP SIZE: 18" X 36" INSTALLATION: BRICK		NAME: ALI SKILLING PHONE: 913.387.7667 EMAIL: ALI.SKILLING@BENTLEYMILLS.COM
FT	PORCELAIN TILE	MANF: MARAZZI USA STYLE: BASALTO COLOR: SABBIA, SIZE: 12" X 24" INSTALLATION: STACKED, GROUT: MAPEI KERAPOXY, 5107 IRON		NAME: NIKKI VAN DYNE PHONE: 913.620.6098 EMAIL: NIKKI.VANDYNE@VIRGINIATILE.COM
FT3	PORCELAIN TILE	MANF: MARAZZI USA STYLE: BASALTO COLOR: STON LAVA, SIZE: 24" X 48" INSTALLATION: TO MATCH EXISTING, GROUT: MAPEI KERAPOXY, COLOR 47 CHARCOAL	TO MATCH EXISTING AT DEMO AREA	NAME: NIKKI VAN DYNE PHONE: 913.620.6098 EMAIL: NIKKI.VANDYNE@VIRGINIATILE.COM
FVT	PORCELAIN TILE	MANF: MARAZZI USA STYLE: BASALTO COLOR: BT25 POMICE, SIZE: 24" X 48" INSTALLATION: TO MATCH EXISTING, GROUT: MAPEI KERAPOXY, COLOR 107 IRON	TO MATCH EXISTING AT DEMO AREA	NAME: NIKKI VAN DYNE PHONE: 913.620.6098 EMAIL: NIKKI.VANDYNE@VIRGINIATILE.COM
FVT	LUXURY VINYL FLOORING	MANF: PATCRAFT STYLE: CROSSOVER, COLOR: LODGE - 00795 SIZE: 7' X 48" INSTALLATION: STAGGER		NAME: SARAH JENKINS PHONE: 913.237.7598 EMAIL: SARAH.JENKINS@PATCRAFT.COM
FX	SEALED CONCRETE	MANF: TBD, STYLE: TBD, COLOR: CLEAR		
WALL BASE				
BR	RESILIENT COVE BASE	MANF: ROPPE STYLE: 700 SERIES PROFILE: TOE BASE, COLOR: 123 CHARCOAL, HEIGHT: 4" H		NAME: WENDY BREMER PHONE: 630.277.1414 EMAIL: W.BREMER@ROPPE.COM
BT	TILE BASE	MANF: MARAZZI USA STYLE: BASALTO COLOR: SABBIA SIZE: 12" X 24" TILE CUT TO 4" HIGH WITH MANUFACTURERS EDGE FACING UP INSTALLATION: ALIGNED TO FLOOR TILE GROUT: MAPEI KERAPOXY, 5107 IRON		NAME: NIKKI VAN DYNE PHONE: 913.620.6098 EMAIL: NIKKI.VANDYNE@VIRGINIATILE.COM
WALL FINISH				
WP1	PAINT - LATEX	MANF: SHERWIN WILLIAMS STYLE: LATEX, EG-SHEL FINISH COLOR: BIG CHILL SW7648		NAME: PETER KREMM PHONE: 303.902.7239 EMAIL: PETER.KREMM@SHERWIN.COM
WP2	PAINT - LATEX	MANF: SHERWIN WILLIAMS STYLE: LATEX, EG-SHEL FINISH COLOR: SUMMIT GRAY SW7699		NAME: PETER KREMM PHONE: 303.902.7239 EMAIL: PETER.KREMM@SHERWIN.COM
WP3	PAINT - LATEX	MANF: SHERWIN WILLIAMS STYLE: LATEX, EG-SHEL FINISH COLOR: ENOLESS SEA SW9150		NAME: PETER KREMM PHONE: 303.902.7239 EMAIL: PETER.KREMM@SHERWIN.COM
WT	PORCELAIN WALL TILE	MANF: ISLAND STONE STYLE: GLASS ESSENTIALS COLOR: FOG MATTE SIZE: 4" X 12" FIELD TILE GROUT: MAPEI KERAPOXY, 5093 WARM GRAY		NAME: NIKKI VAN DYNE PHONE: 913.620.6098 EMAIL: NIKKI.VANDYNE@VIRGINIATILE.COM
WALL PROTECTION				
PC1	STAINLESS STEEL CORNER GUARD - 90 DEGREE, 6" - 0"	MANF: CONSTRUCTION SPECIALTIES STYLE: CO-8, COLOR: STAINLESS STEEL, SATIN FINISH, SIZE: 3" WING INSTALLATION: INSTALL AT TOP OF BASE		NAME: RICK STINGLEY PHONE: 816.530.0229 EMAIL: RICK.SINGLEY@CLUTMANANDSTINGLEY.COM
MILLWORK / CASEWORK				
ML	PLASTIC LAMINATE	MANF: LAMINART STYLE: TEXTURED FINISH COLOR: 2415-T GRAPHITE EDGEBAND: .018" PVC TO MATCH		NAME: SARAH CAMP PHONE: 314.422.2340 EMAIL: SARAH.CAMP@LAMINART.COM
MQ1	QUARTZ COUNTERTOP	MANF: WILSONART STYLE: 3 CM COLOR: CLOUDS REST Q4049, OR EQUAL TO MATCH EXISTING		
MS1	SOLID SURFACE	MANF: FORMICA STYLE: 0.48" THICKNESS, COLOR: 757 LUNA SAND		NAME: LAURA KNIGHT PHONE: 816.226.9998 EMAIL: LAURA.KNIGHT@FORMICA.COM
MS2	STAINLESS STEEL	MANF: -, STYLE: SATIN		
MW	WOOD COUNTERTOP	STYLE: BUTCHER BLOCK, SPECIES: RED OAK FINISH: CLEAR FINISH, THICKNESS: 1 1/2"		
CEILING FINISH				
CA	ACOUSTICAL CEILING TILE W/ TEGULAR EDGE	MANF: ARMSTRONG CEILINGS STYLE: ULTIMA BEVELED TEGULAR 1941 COLOR: WHITE, SIZE: 24" X 24" X 7/8", GRID: 15/16" SUPRAFINE		NAME: ELIZABETH MOON PHONE: 816.216.2890 EMAIL: EMOON@ARMSTRONGCEILINGS.COM
SPECIALTY				
EXT	EXISTING TO REMAIN			
SD	INTERIOR DOORS	MANF: STYLE, COLOR: TO MATCH EXISTING	INTERIOR METAL DOORS AND INTERIOR FACE OF EXTERIOR DOORS	
SD FRAME	INTERIOR HOLLOW METAL DOOR FRAMES	MANF: SHERWIN WILLIAMS STYLE: ALKYD COLOR: PEPPERCORN SW7674		NAME: PETER KREMM PHONE: 303.902.7239 EMAIL: PETER.KREMM@SHERWIN.COM
ST	METAL EDGE TRIM	MANF: SCHULTER, STYLE: JOLLY COLOR: SATIN ANODIZED ALUMINUM (AE)	EDGE OF WALL TILE	NAME: NIKKI VAN DYNE PHONE: 913.620.6098 EMAIL: NIKKI.VANDYNE@VIRGINIATILE.COM
SW	WINDOW TREATMENT - ROLLER SHADES	MANF: MECOHSHADE TYPE: MECOH, OPENNESS: 0-1% OPEN STYLE: THERMOVEL 0900 SERIES, COLOR: 0903 GREY		NAME: RYAN HELLING PHONE: 816.471.2559 EMAIL: RYAN@HARTKS.COM

DOOR SCHEDULE PACKAGE 3											
DOOR #	ROOM NAME	WIDTH	HEIGHT	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	FIRE RATING	HARDWARE	HEAD	JAMB
L201B	CRIME CENTER	3'-0"	7'-0"	WD	F	HM	F1	-	7.0	J8A-101	J7A-101
L214B	RECORDS	3'-0"	7'-0"	WD	F	HM	F1	-	8.0	J8A-101	J7A-101

* DOOR/FRAME L201B & L214B ARE EXISTING WITH NEW HARDWARE. COORDINATE WITH OWNER

EQUIPMENT SCHEDULE RTCC		
TYPE MARK	DESCRIPTION	SUPPLIED/INSTALLED BY
EQ03	TELEVISION 85"	OF/OI
EQ14	VIDEO WALL (CONSTANT TECHNOLOGIES)	OF/OI



- GENERAL NOTES - FLOOR PLANS:**
- DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), AND COLUMN GRID LINE, UNLESS NOTED OR SHOWN OTHERWISE.
 - FOR METAL STUD CONSTRUCTION DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF GYP. BOARD/WALL (FG), UNLESS NOTED OR SHOWN OTHERWISE.
 - NOTE: WALL THICKNESSES ARE ACTUAL DIMENSIONS.
 - ALL PUBLIC SPACES: THE WALLS WILL BE FINISHED WITH 5/8" GYP. BD. TO A LEVEL 4 FINISH AND PAINTED, UNLESS NOTED OR SPECIFIED OTHERWISE.
 - CONTRACTOR TO VERIFY WITH FIRE MARSHALL IF SPRINKLER HEADS NEED TO BE ADJUSTED.
- GENERAL NOTES - FINISH PLANS:**
- RE: SHEET G-011 - FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
 - RE: FINISH LEGEND, AND FLOOR FINISH PLANS FOR SPECIFIC FINISH INFORMATION AND LOCATIONS.
 - RE: FINISH DETAILS SHEET FOR ADDITIONAL FINISH AND FLOOR TRANSITION CONDITIONS.
 - FLOOR FINISHES SHOWN ARE FOR ACCENT CLARIFICATION ONLY. RE: FINISH TAGS FOR ADDITIONAL INFORMATION.
 - FLOOR FINISH PATTERN SHALL BE CENTERED IN ROOM, UNLESS NOTED OTHERWISE.
 - ALIGN ALL WALL BASE JOINTS WITH FLOOR TILE JOINTS, UNLESS NOTED OR SHOWN OTHERWISE.
 - ALL CLOSETS AND ALCOVES WITHOUT A SPACE IDENTIFICATION NUMBER SHALL HAVE THE SAME FLOOR FINISHES AS ADJOINING SPACES.
 - FLOOR FINISH MATERIAL AND/OR PATTERN SHALL BE INSTALLED UNDER THE KICKS OF CASEWORK/MILLWORK, UNDER OPEN COUNTERTOPS, AND UNDER EQUIPMENT. FLOOR MATERIAL/COLOR TRANSITIONS TO BE CENTERED UNDER DOOR, UNLESS NOTED OR SHOWN OTHERWISE.
 - CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING FOR WALL PROTECTION ATTACHMENT. THIS INCLUDES, BUT IS NOT LIMITED TO, CRASH RAILS, HANDRAILS & BUMPER RAILS. RE: MANUFACTURER'S GUIDELINES FOR CLARIFICATIONS.
 - CONTRACTOR SHALL PROVIDE MANUFACTURER'S STANDARD ACCESSORY MOLDING OR TRIM FOR WALL PROTECTION ITEMS, UNLESS NOTED OTHERWISE.
 - IF WALL IS LESS THAN 18" WIDE DO NOT PROVIDE HANDRAIL. HANDRAILS SHOULD STOP APPROXIMATELY 3" FROM THE OPEN SWING OF A DOOR. HANDRAILS SHOULD STOP APPROXIMATELY 3" FROM A CORNER GUARD. RE: SHEET A501.
 - CONTRACTOR SHALL PROVIDE BLOCKING FOR ALL WALL MOUNTED EQUIPMENT. RE: G-021 FOR CLARIFICATION.
 - CONTRACTOR SHALL PROVIDE BLOCKING FOR SIGNS AS CALLED OUT ON ELEVATIONS.
- GENERAL NOTES - FURNITURE & EQUIPMENT PLANS:**
- RE: SHEET G-011 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
 - RE: SHEET G-021 FOR TYPICAL MOUNTING HEIGHTS.
 - RE: SHEET A-401 AND A-402 FOR ENLARGED ROOM PLANS.
 - RE: INTERIOR CASEWORK ELEVATIONS ON SHEETS A-451 FOR EQUIPMENT LOCATIONS.
 - ELECTRICAL DATA SHOWN FOR INFORMATION ONLY. RE: MEP SHEETS.

ROOM FINISH TAG KEY LEGEND

ROOM	FINISH
000	FLOOR FINISH
	WALL BASE
	WALL FINISH
	CEILING FINISH

FFE LEGEND

[Symbol]	FURNITURE (BY OWNER)
[Symbol]	EQUIPMENT (BY OWNER)
[Symbol]	SPECIALTY EQUIPMENT TAG

MATERIAL KEYNOTES

05.52C	ALUMINUM PIPE/TUBE RAILING
07.21E	3-1/2-INCH THERMAL BATT INSULATION
09.22C	3 5/8-INCH METAL STUDS @ 16-INCHES O.C.
09.29A	INTERIOR 5/8-INCH GYP. BD. REF: WALL TYPES
12.24A	ROLLER WINDOW SHADE - SINGLE SHADE

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REVISION DATES:

2	ADD #002	11/26/2024
6	ASI #004	6/28/2025
8	ASI #005	3/17/2026

PROFESSIONAL SEAL

A-403
ISSUE DATE: MARCH 17, 2025
HOEFER WELKER #: 138191

ENLARGED, FFE & FINISH PLANS

MECHANICAL SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

STANDARD MOUNTING HEIGHT

CONTROL DEVICES- THERMOSTATS, SENSORS, ETC. (TOP OF DEVICE) 48"
 OTHERWISE IN THE SPECIFICATIONS OR ELSEWHERE. MOUNTING HEIGHTS LISTED ARE ABOVE FINISHED FLOOR (AFF) OR ABOVE FINISHED GRADE (AFG) TO TOP OF DEVICE. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ANNOTATION

- MECHANICAL PLAN NOTE CALLOUT
- MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)
- CONNECTION POINT OF NEW WORK TO EXISTING
- DETAIL REFERENCE. UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
- SECTION CUT DESIGNATION
- DIFFUSER DESIGNATION: 1. PLAN MARK (EXISTING) 2. NECK SIZE 3. AIRFLOW

ABBREVIATIONS

A/C	AIR CONDITIONING	H/W	HEATING WATER PUMP
ACC	AIR COOLED CHILLER	HW	HEATING WATER COLUMN
ACCU	AIR COOLED CONDENSING UNIT	L	LOUVER
AFC	ABOVE FINISHED CEILING	LAT	LEAVING AIR TEMPERATURE
AFF	ABOVE FINISHED FLOOR	LDB	LEAVING DRY BULB
AFG	ABOVE FINISHED GRADE	LDP	LEAVING DRY BULB
AHJ	AUTHORITY HAVING JURISDICTION	LWB	LEAVING WET BULB
AHU	AIR HANDLING UNIT	LWT	LEAVING WATER TEMPERATURE
AI	ANALOG INPUT	MAU	MAKE-UP AIR UNIT
AO	ANALOG OUTPUT	MAX	MAXIMUM
AP	ACCESS PANEL	MBH	1000 BTU PER HOUR
ARD	AIR PRESSURE DROP	MD	MOTORIZED DAMPER
AWG	AMERICAN WIRE GAUGE	MFR	MANUFACTURER
BAS	BUILDING AUTOMATION SYSTEM	MIN	MINIMUM
BB	BACKBONE	N/A	NOT APPLICABLE
BD	BACKDRAFT DAMPER	NC	NORMALLY CLOSED
BD	BLOWDOWN	N/O	NORMALLY OPEN
BFC	BELOW FINISHED CEILING	NOM	NOMINAL
BFF	BELOW FINISHED FLOOR	NO	NOISE CRITERIA
BFG	BELOW FINISHED GRADE	NR	NOT IN CONTRACT
BFP	BOILER FEED PUMP	OA	OUTSIDE AIR
BHP	BRAKE HORSEPOWER	OB	OPPOSED BLADE DAMPER
BI	BINARY INPUT	PICV	PRESSURE INDEP. CONTROL VALVE
BOD	BOTTOM OF DUCT	PROV	PROVIDE/FURNISH AND INSTALL
BOS	BOTTOM OF STRUCTURE	QTY	QUANTITY
BTU	BRITISH THERMAL UNIT	RA	RETURN AIR
CFM	CUBIC FEET PER MINUTE	RCR	ROOM CRITERIA
CH	CHILLER	RD	RETURN DUCT
CLG	COOLINGS	REA	RELIEF AIR
CP	CONDENSATE PUMP	RF	RETURN FAN
CPT	CONTROL POWER	RFR	REFRIGERANT
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT	RH	RELATIVE HUMIDITY
CRU	COMPUTER ROOM UNIT	RHM	ROOM HOOD
CT	COOLING TOWER	RTU	ROOFTOP UNIT
CV	CONTROL VALVE	SA	SUPPLY AIR
CWP	CONDENSING UNIT	SCP	STEAM CONDENSATE PUMP
CU	CONDENSING UNIT	SD	SMOKE DUCT DETECTOR
CHWP	CHILLED WATER PUMP	SD	SUPPLY DUCT
DB	DECIBELS	SF	SUPPLY FAN
DBA	DECIBEL AVERAGE	SH	SENSIBLE HEAT CAPACITY
DDC	DIRECT DIGITAL CONTROL	SI	SCOPE OF WORK
DI	DIGITAL INPUT	SP	STATIC PRESSURE
DISC	DISCONNECT	ST	STEAM TRAP
DN	DOWN	STM	STEAM
DX	DUCT SILENCER	TBD	TO BE DETERMINED
EA	EXHAUST AIR	TC/C	TEMPERATURE CONTROLS
EAT	ENTERING AIR	TC	TEMPERATURE CONTROL
ED	EXHAUST DUCT	TF	TRANSFER FAN
EDB	ENTERING DRY BULB	TFA	TO FLOOR ABOVE
EF	EXHAUST FAN	TFB	TO FLOOR BELOW
EFF	EFFICIENCY	TH	TOTAL HEAT CAPACITY
EMS	ENERGY MANAGEMENT SYSTEM	TSP	TOTAL STATIC PRESSURE
ESP	EXTERNAL STATIC PRESSURE	TT	TEMPERATURE TRANSMITTAL
ETR	EXISTING TO REMAIN	TYP	TYPICAL
EWB	ENTERING WET BULB	UF	UNDERFLOOR
EWV	ENTERING WATER TEMPERATURE	UG	UNDERGROUND
FCU	FAN COIL UNIT	UIS	UNDERSLAB
FFA	FROM FLOOR ABOVE	UH	UNIT HEATER
FFB	FROM FLOOR BELOW	UNO	UNLESS NOTED OTHERWISE
FF	FINISHED FLOOR	VAV	VARIABLE AIR VOLUME
FPI	FINS PER INCH	VEL	VELOCITY
FPM	FEET PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
GC	GENERAL CONTRACTOR	VRF	VARIABLE REFRIGERANT FLOW
GPM	GALLONS PER MINUTE	VRV	VARIABLE REFRIGERANT VOLUME
HOA	HAND-OFF-AUTOMATIC	W	WITH
HP	HORSEPOWER	W/O	WITHOUT
HTG	HEATING	WB	WET BULB
		WC	WATER COLUMN
		WPD	WATER PRESSURE DROP
		XP	EXPLOSION PROOF

HVAC DUCTWORK AND ACCESSORIES

ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE DIMENSIONS. REFER TO DUCTWORK SPECIFICATIONS FOR DUCTWORK INSULATION AND LINER INFORMATION.

- LINEAR SLOT DIFFUSER
- INSULATED FLEXIBLE DUCT (MAX. 5'-0" LONG)
- BRANCH DUCT WITH 45° RECTANGLE ROUND BRANCH FITTING AND MANUAL VOLUME DAMPER
- ELBOW WITH TURNING VANES
- BRANCH DUCT WITH BELL-MOUTH FITTING & MANUAL VOLUME CONTROL DAMPER
- RETURN, EXHAUST, OR OUTSIDE AIR DUCT UP
- RETURN, EXHAUST, OR OUTSIDE AIR DUCT DOWN
- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- EQUIPMENT WITH FLEXIBLE DUCT CONNECTION
- S1 (PLAN MARK) 10" (NECK SIZE) 300 CFM (CFM OF SUPPLY DIFFUSER OR REGISTER)
- E1 (PLAN MARK) 24x24 (NECK SIZE) 800 CFM (CFM OF EXHAUST GRILLE)
- MANUAL VOLUME DAMPER
- SQUARE TO ROUND TRANSITION
- DUCT MOUNTED SMOKE DETECTOR (SD-SUPPLY/RD-RETURN)
- RISER DESIGNATION
- FIRE DAMPER
- FIRE SMOKE DAMPER
- SMOKE DAMPER
- VOLUME DAMPER
- MOTORIZED DAMPER
- BACKDRAFT DAMPER
- BLANKED OFF DIFFUSER (SHADED SECTION IS BLANKED OFF)

HVAC CONTROL DEVICES

- HUMIDISTAT
- THERMOSTAT
- STATIC PRESSURE SENSOR
- TEMPERATURE SENSOR
- CARBON MONOXIDE SENSOR
- CARBON DIOXIDE SENSOR
- DIFFERENTIAL PRESSURE SENSOR
- FLOW SWITCH
- HUMIDITY SENSOR
- PULL STATION

PIPING SYMBOLS

- DIRECTION OF FLOW
- CONTROL VALVE
- THREE-WAY CONTROL VALVE
- SHUTOFF VALVE
- CHECK VALVE
- BALANCING VALVE WITH PRESSURE PORTS
- TRIPLE DUTY VALVE WITH PRESSURE PORTS
- STRAINER
- STRAINER WITH BLOWDOWN VALVE
- RELIEF / SAFETY VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- GAS PRESSURE REGULATOR
- THERMOSTATIC MIXING VALVE
- PIPE ANCHOR
- EXPANSION JOINT
- PIPE GUIDE
- PIPING SUPPORT
- F & T TRAP
- BUCKET TRAP
- THERMOSTATIC TRAP
- BACKFLOW PREVENTER
- PRESSURE GAUGE
- THERMOMETER
- PRESSURE AND TEMPERATURE TEST PLUG
- UNION
- FLANGE CONNECTION
- VACUUM RELIEF VALVE
- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- PRESSURE / VACUUM SWITCH
- CLEANOUT
- CAP
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- ELBOW UP WITH SHUT-OFF VALVE (SOV)
- ELBOW DOWN WITH SHUT-OFF VALVE (SOV)
- TEE UP WITH SHUT-OFF VALVE (SOV)
- TEE DOWN WITH SHUT-OFF VALVE (SOV)
- REDUCER
- RECIRCULATION PUMP
- P-TRAP
- GAS COCK
- TOP BEAM CLAMP
- TRAPEZE HANGER

PIPING LINETYPES

- CD CONDENSATE DRAIN (CD)
- ACD AUXILIARY CONDENSATE DRAIN (ACD)
- NPW NON-POTABLE WATER (NPW)
- G NATURAL GAS (G)
- G NATURAL GAS ON ROOF (G)
- MPG MEDIUM PRESSURE NATURAL GAS (MPG)
- MPG MEDIUM PRESSURE NATURAL GAS ON ROOF (MPG)
- FOS FUEL OIL SUPPLY (FOS)
- FOR FUEL OIL RETURN (FOR)
- FOV FUEL OIL VENT (FOV)
- LPG LIQUEFIED PETROLEUM GAS (LPG)
- BFW BOILER FEED WATER (BFW)
- HPS HIGH PRESSURE STEAM SUPPLY (HPS)
- HPC HIGH PRESSURE STEAM CONDENSATE (HPC)
- MPS MEDIUM PRESSURE STEAM SUPPLY (MPS)
- MPC MEDIUM PRESSURE STEAM CONDENSATE (MPC)
- LPS LOW PRESSURE STEAM SUPPLY (LPS)
- LPC LOW PRESSURE STEAM CONDENSATE (LPC)
- PD CONDENSATE PUMP DISCHARGE (PD)
- HWS HEATING HOT WATER SUPPLY (HWS)
- HWR HEATING HOT WATER RETURN (HWR)
- CHWS CHILLED WATER SUPPLY (CHWS)
- CHWR CHILLED WATER RETURN (CHWR)
- HCS HOT / CHILLED WATER SUPPLY (HCS)
- HCR HOT / CHILLED WATER SUPPLY (HCR)
- CWS CONDENSER WATER SUPPLY (CWS)
- CWR CONDENSER WATER RETURN (CWR)
- HPWS HEAT PUMP WATER SUPPLY (HPWS)
- HPWR HEAT PUMP WATER RETURN (HPWR)
- RL REFRIGERANT LIQUID (RL)
- RD REFRIGERANT DISCHARGE (HOT GAS) (RD)
- RS REFRIGERANT SUCTION (RS)
- RDB REFRIGERANT DISCHARGE BYPASS (RDB)
- RV REFRIGERANT VENT (RV)

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASING DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

EXISTING	NEW
DEMOLISH	FUTURE

GENERAL MECHANICAL NOTES:

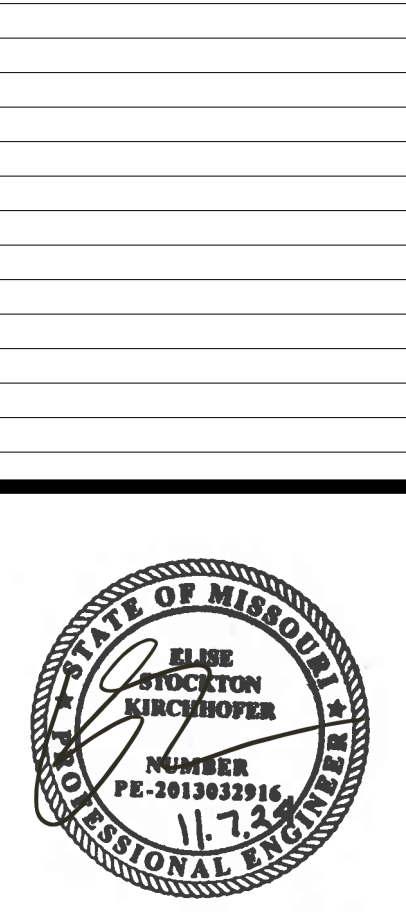
- PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
- PROVIDE TEMPORARY BARRIERS TO CONTAIN DUST AND DEBRIS RESULTING FROM THE PERFORMANCE OF THE WORK TO THE AREA WHERE WORK IS BEING PERFORMED.
- ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
- NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE HVAC SYSTEM. VERIFY CHASES AND PENETRATIONS SHOWN ON ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR DUCTWORK AND PIPING MEET REQUIREMENTS.
- COORDINATE LOCATION OF ROOF MOUNTED HVAC EQUIPMENT AND ROOF PENETRATIONS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- INDOOR AIR QUALITY MEASURES: PROTECT INSIDE OF (INSTALLED AND DELIVERED) DUCTWORK AND HVAC UNITS FROM EXPOSURE TO DUST, DIRT, PAINT AND MOISTURE. REPLACE INSULATION THAT HAS GOTTEN WET AT ANY TIME DURING CONSTRUCTION. DRYING THE INSULATION IS NOT ACCEPTABLE. SEAL ANY TEARS OR JOINTS OF INTERNAL FIBERGLASS INSULATION. REMOVE DEBRIS FROM CEILING/RETURN AIR PLENUM INCLUDING DUST. PROVIDE FILTERS OVER ANY RETURN OR TRANSFER OPENINGS DURING CONSTRUCTION.
- WHERE HVAC SYSTEMS ARE REQUIRED TO STAY OPERATIONAL, TO SERVE OTHER AREAS OF THE BUILDING, PLACE FILTER MEDIA OVER ALL SUPPLY AND RETURN AIR OPENINGS, TRANSFER DUCTS AND FIRE/SMOKE DAMPERS.
- INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.
- OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF EXCEPT WHERE CONCRETE INSERTS IN CONCRETE SLABS ARE ALLOWED BY THE SPECIFICATIONS.
- COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT AND/OR FILTER REPLACEMENT.
- SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
- FOR HYDRONIC, PIPING TO EQUIPMENT, MINIMUM ACCEPTABLE SIZE FOR STEEL AND COPPER PIPE IS 3/4 INCH. USE THIS CRITERIA WHERE PIPE SIZES ARE NOT SHOWN ON PLAN.
- CONTRACTOR SHALL DRAIN, FLUSH, AND REFILL ALL PIPING SYSTEMS NECESSARY TO PERFORM THE WORK. REFERENCE SPECIFICATIONS FOR FLUSHING PERFORMANCE REQUIREMENTS AND SUBMIT FLUSHING PLAN TO ENGINEER FOR REVIEW. PROVIDE CHEMICAL TREATMENT FOR ALL PIPING SYSTEMS AFTER FLUSHING AND REFILLING THE SYSTEM.
- COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
- ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
- DUCTWORK CROSSING FIRE RATED WALLS OR OTHER FIRE RATED ASSEMBLIES SHALL BE MINIMUM 26 GAUGE SHEET METAL.
- PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.
- PROVIDE WALL OR DUCT ACCESS PANELS OR DOORS FOR ACCESS TO FIRE AND FIRE/SMOKE DAMPERS. ACCESS PANEL OR DOOR SHALL BE MINIMUM SIZE OF 10" BY 10" AND SHALL BE INSTALLED WITHIN 12" OF DAMPER. PROVIDE A REMOVABLE DUCT SECTION WHERE DUCT SIZE IS TOO SMALL FOR A 10" BY 10" ACCESS DOOR.
- LOCATE AND SET THERMOSTATS AND HUMIDISTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL DEVICES WITH TOP OF DEVICE AT MAXIMUM 48" AFF TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS. PROVIDE INSULATED BACKING FOR THERMOSTATS MOUNTED ON EXTERIOR BUILDING WALLS. INSTALL WIRING IN CONDUIT PROVIDED BY DIVISION 26. AT A MINIMUM, PROVIDE CONDUIT IN THE WALL FROM THE JUNCTION BOX TO 6" ABOVE THE CEILING.
- COORDINATE THE LOCATION AND ELEVATION OF WALL-MOUNTED DEVICES WITH PRESENTATION BOARDS, DISPLAY CABINETS, SHELVES OR OTHER COMPONENTS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE TO BE INSTALLED UNDER OTHER DIVISIONS. CONTRACTOR WILL NOT BE REIMBURSED FOR RELOCATION OF WALL-MOUNTED DEVICES CAUSED BY A LACK OF COORDINATION.
- PROVIDE A MANUAL BALANCING DAMPER IN EACH BRANCH DUCT TAKEOFF FROM MAIN SUPPLY, RETURN, OUTDOOR AND EXHAUST AIR DUCTS.
- PROVIDE A PREFABRICATED 45 DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING WITH MANUAL BALANCING DAMPER AND LOCKING QUADRANT FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES.
- BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS OTHERWISE NOTED.
- REFER TO SPECIFICATIONS FOR DUCTWORK AND PIPING INSULATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS INDICATE CLEAR INSIDE AIRFLOW DIMENSIONS, INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
- FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" IN LENGTH AND SHALL BE INSTALLED AND SUPPORTED TO AVOID SHARP BENDS AND SAGGING. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- RIGIDLY SUSPEND UNIT HEATER FROM STRUCTURE WITH SUPPORTING ANGLES AND ALL-THREAD HANGING RODS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE WALL MOUNTED LOUVERS AND DAMPERS WITH SUITABLE MOUNTING FRAME TO MATCH WALL CONSTRUCTION. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- PROVIDE A NEW SET OF AIR FILTERS IN UNITS PRIOR TO TESTING, ADJUSTING AND BALANCING AND BEFORE TURNING SYSTEM(S) OVER TO OWNER.

MECHANICAL SHEET INDEX	
SHEET NUMBER	SHEET NAME
MG001	MECHANICAL LEGEND AND GENERAL NOTES
MD101	MECHANICAL DEMOLITION PLANS
MD401	ENLARGED HVAC DEMOLITION PLANS
MD402	ENLARGED HVAC DEMOLITION PLANS
M-101	MECHANICAL FLOOR PLANS
M-401	ENLARGED HVAC FLOOR PLANS
M-402	ENLARGED HVAC FLOOR PLANS
M-501	MECHANICAL DETAILS
M-801	MECHANICAL SCHEDULES

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 PACKAGE 2 - CONSTRUCTION SET

REVISION DATES:

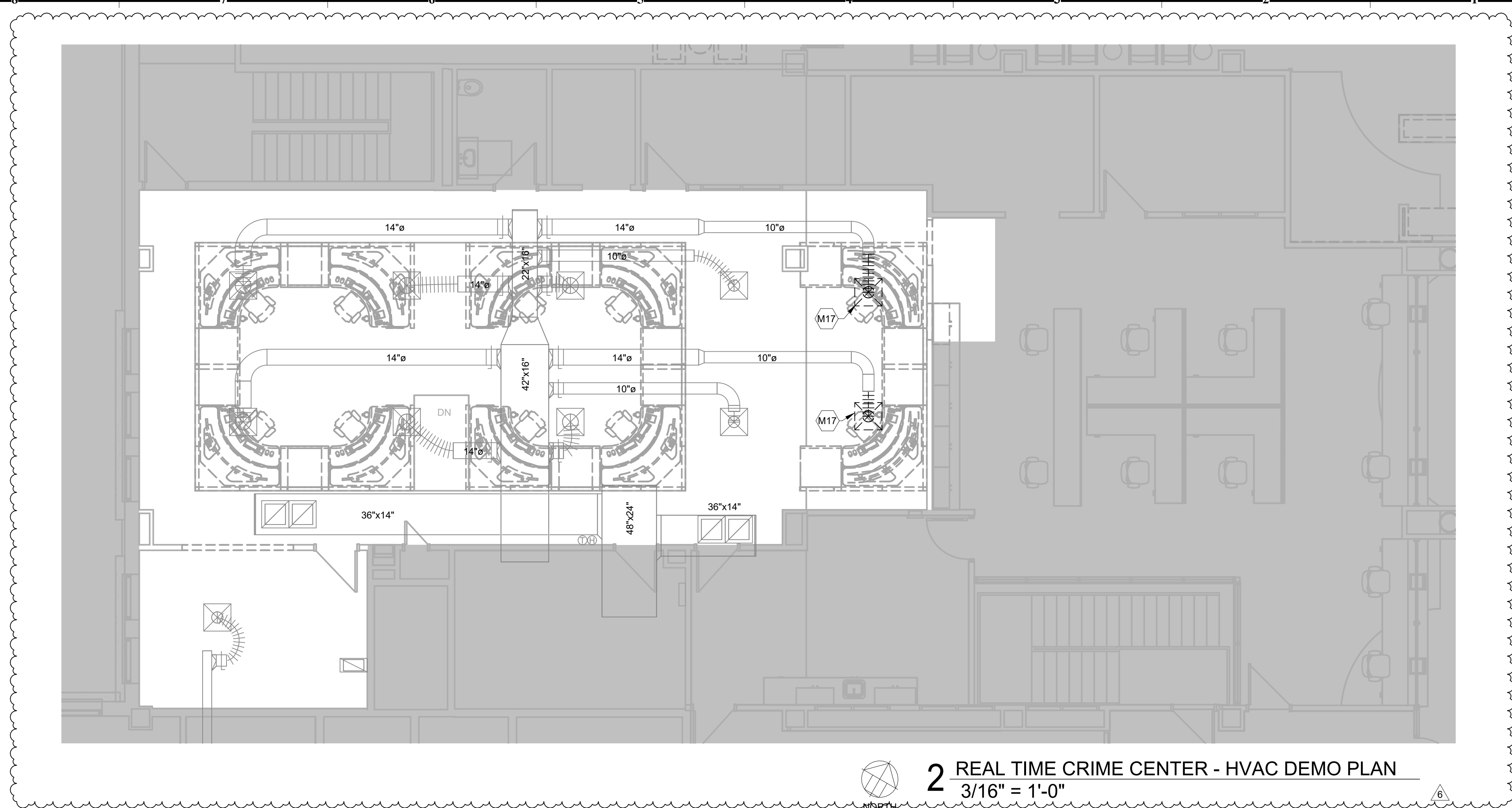


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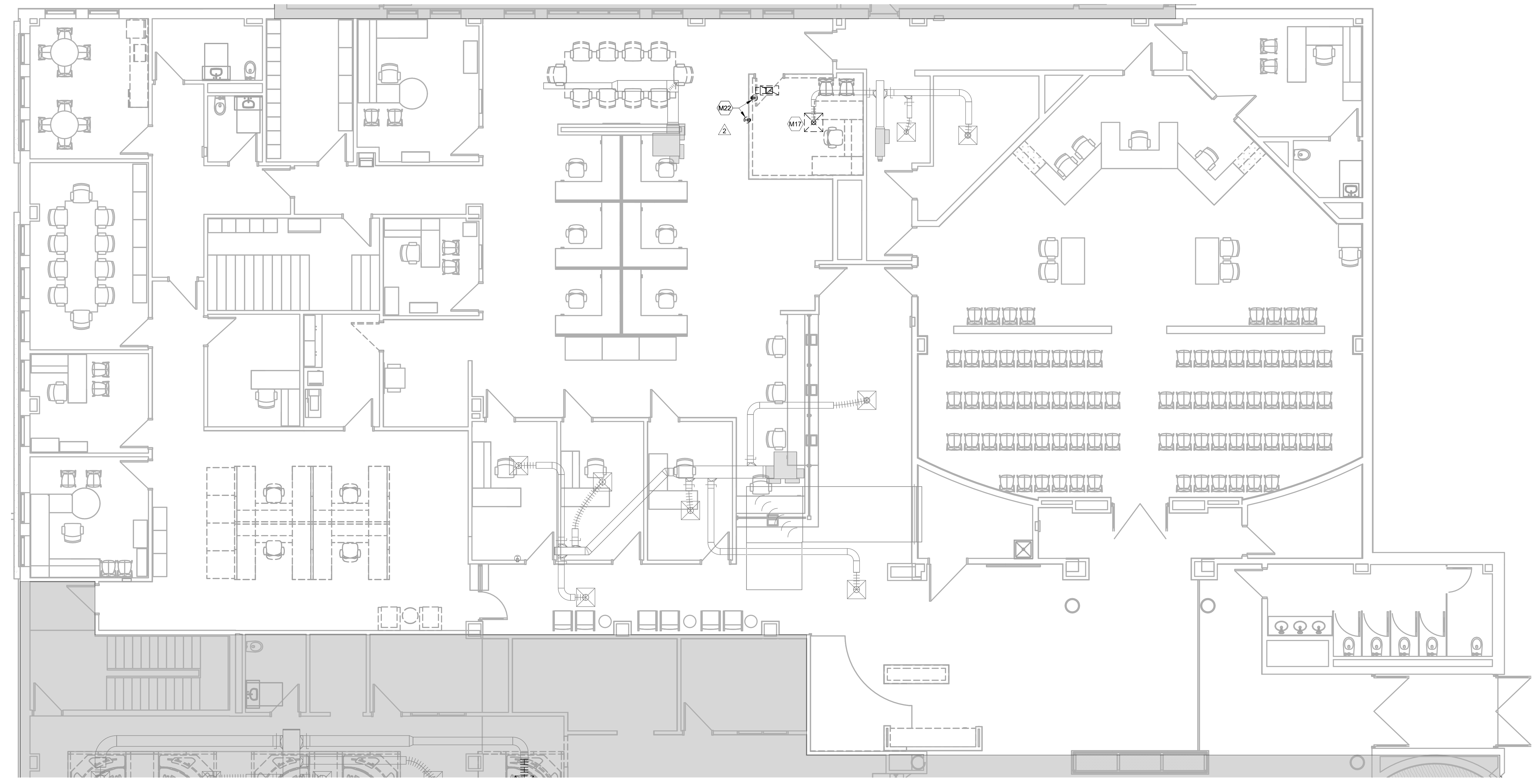
MG001
 ISSUE DATE: NOVEMBER 7, 2024
 HOEFER WELKER #: 138191

MECHANICAL LEGEND AND GENERAL NOTES

9'-1"
1 1/2" = 1'-0"
1" = 1'-0"
3/8" = 1'-0"
1/2" = 1'-0"
3/16" = 1'-0"
1/8" = 1'-0"
1/16" = 1'-0"



2 REAL TIME CRIME CENTER - HVAC DEMO PLAN
3/16" = 1'-0"



1 HVAC DEMOLITION PLAN - COURT
3/16" = 1'-0"

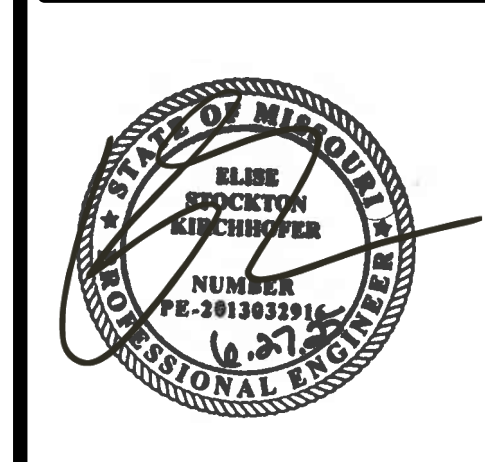
- GENERAL NOTES:**
- REFER TO SHEET MG001 FOR GENERAL MECHANICAL NOTES.
- MECHANICAL PLAN NOTES:**
- M17 REMOVE DIFFUSER FROM CEILING GRID AND WIPE CLEAN. SAVE FOR NEW WORK.
 - M22 REMOVE THERMOSTAT FROM WALL. RETAIN FOR NEW CONSTRUCTION WORK.

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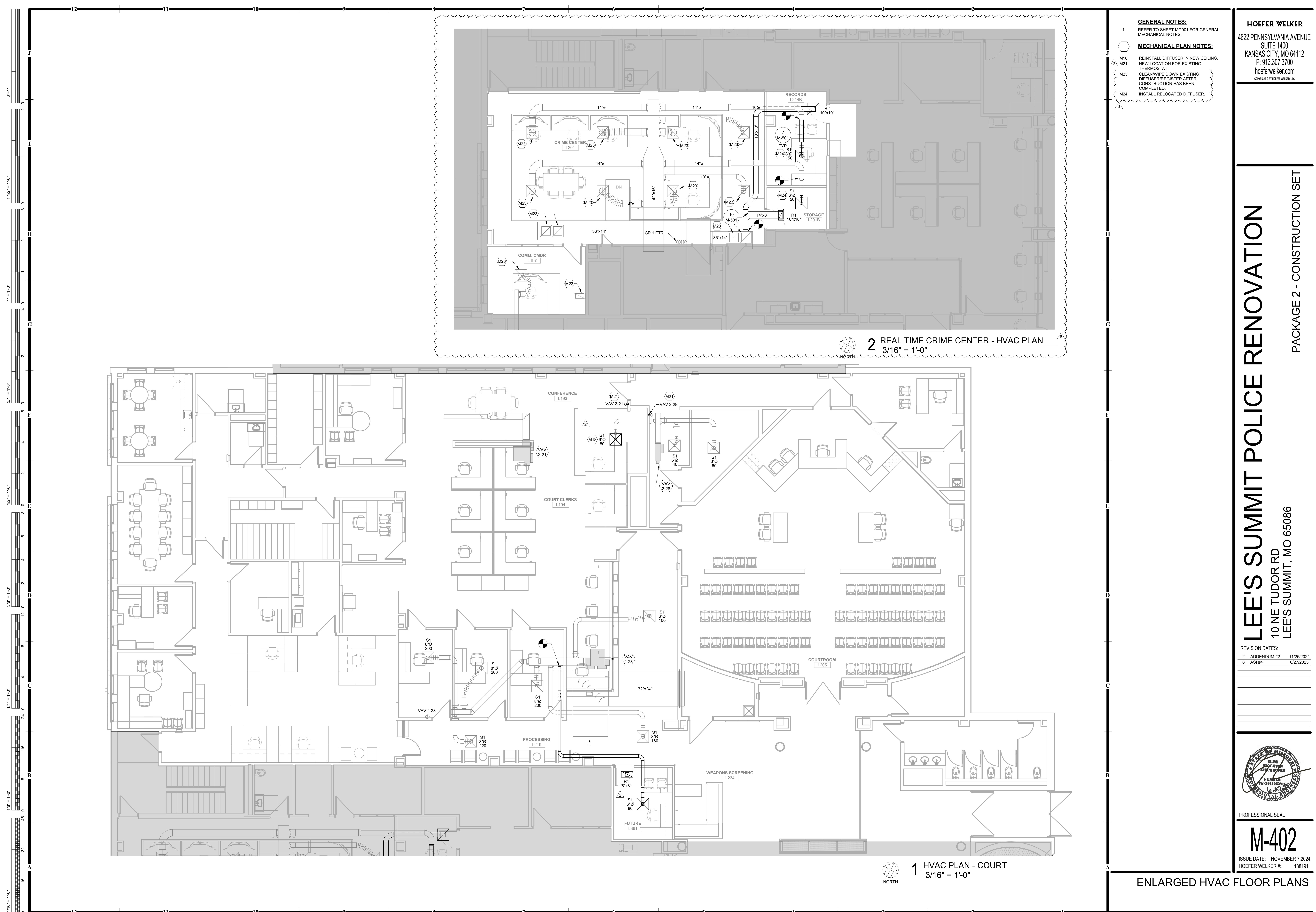
1	ADDENDUM #1	11/19/2024
2	ADDENDUM #2	11/26/2024
6	ASI #4	6/27/2025



PROFESSIONAL SEAL
MD402
ISSUE DATE: NOVEMBER 7, 2024
HOEFER WELKER #: 138191

ENLARGED HVAC DEMOLITION PLANS

PACKAGE 2 - CONSTRUCTION SET



- GENERAL NOTES:**
- REFER TO SHEET MG001 FOR GENERAL MECHANICAL NOTES.
- MECHANICAL PLAN NOTES:**
- M18 REINSTALL DIFFUSER IN NEW CEILING.
 - M21 NEW LOCATION FOR EXISTING THERMOSTAT.
 - M23 CLEAN/WIPE DOWN EXISTING DIFFUSER/REGISTER AFTER CONSTRUCTION HAS BEEN COMPLETED.
 - M24 INSTALL RELOCATED DIFFUSER.

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PACKAGE 2 - CONSTRUCTION SET

REVISION DATES:

2	ADDENDUM #2	11/26/2024
6	ASI #4	6/27/2025



PROFESSIONAL SEAL

M-402

ISSUE DATE: NOVEMBER 7, 2024
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2 REAL TIME CRIME CENTER - HVAC PLAN
 3/16" = 1'-0"

1 HVAC PLAN - COURT
 3/16" = 1'-0"

ELECTRICAL SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS MAY BE USED.

STANDARD MOUNTING HEIGHTS table listing symbols for controls, exit signs, receptacles, switches, and telephone outlets with their respective mounting heights.

USE THE DEFAULT MOUNTING HEIGHTS SHOWN ABOVE UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ARE ABOVE FINISHED FLOOR OR ABOVE FINISHED GRADE TO TOP OF OUTLET BOX.

ABBREVIATIONS

Table of abbreviations for electrical symbols, including terms like AF (Ampere Fuse Size), MLO (Main Lugs Only), and various codes for materials and conditions.

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED TO INDICATE THE STATUS OF ITEMS AS EXISTING, DEMOLISHED, OR NEW.

PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING. WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES.

Table with columns for 'EXISTING TO REMAIN', 'DEMOLISH', and 'NEW' with corresponding line styles. Includes an 'ANNOTATION' section with callout symbols.

Table for CIRCUITING AND WIRING symbols, including HOMERUN TO PANELBOARD, CONCEALED CONDUIT, and FLEXIBLE CONDUIT.

BRANCH CIRCUIT CONDUCTOR TABLE

Table showing conductor requirements for branch circuits based on the number of poles, hot phases, and ground/grounding conductors.

PROVIDE A MINIMUM THE FOLLOWING CONDUCTORS FOR ALL BRANCH CIRCUITS. PROVIDE ADDITIONAL CONDUCTORS (SWITCHED, UNSWITCHED, EMERGENCY, ETC.) AS INDICATED THROUGHOUT CONSTRUCTION DOCUMENTS AND AS REQUIRED FOR A COMPLETE AND WORKING SYSTEM.

INTERIOR LIGHTING

Table for interior lighting symbols, including light fixture types (A, B), emergency lighting (EM, ETR), and lighting control devices (L, K, W, etc.).

LIGHTING CONTROL DEVICES

Table for lighting control devices including switches (S, D, K, W), relay/room controllers (RA), occupancy sensors (O), and daylight sensors (DA).

REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR ADDITIONAL INFORMATION, INCLUDING DEVICE AND TYPE SPECIFICATIONS.

POWER EQUIPMENT, WIRING DEVICES, AND BOXES

Table for power equipment symbols, including electrical panelboards, disconnect switches, magnetic motor starters, and various receptacles.

Table for multi-outlet assemblies and other power-related symbols, including telephone/data outlets, surge protection devices, and ground fault relays.

SYMBOL DEMONSTRATED WITH DUPLEX RECEPTACLE. THE MEANING IS SIMILAR WHEN USED IN COMBINATION WITH OTHER DEVICE TYPES.

ELECTRICAL ONE-LINE DIAGRAM

Table for electrical one-line diagram symbols, including circuit breakers, transformers, switches, and generators.

TELECOM SYMBOLS LEGEND

Table for telecom symbols, including wall and floor phone outlets, data outlets, and surge protection devices.

SECURITY SYMBOLS LEGEND

Table for security symbols, including camera symbols (XX, YY, ZZ) and various intrusion alarm symbols.

GENERAL ELECTRICAL NOTES:

- List of 22 general electrical notes covering requirements for materials, workmanship, coordination with other trades, and safety.

GENERAL FIRE ALARM NOTES:

- List of 5 general fire alarm notes detailing design, installation, and testing requirements for fire alarm systems.

ELECTRICAL SHEET INDEX table listing sheet numbers and names for the project, including legends, site plans, and various electrical plans.

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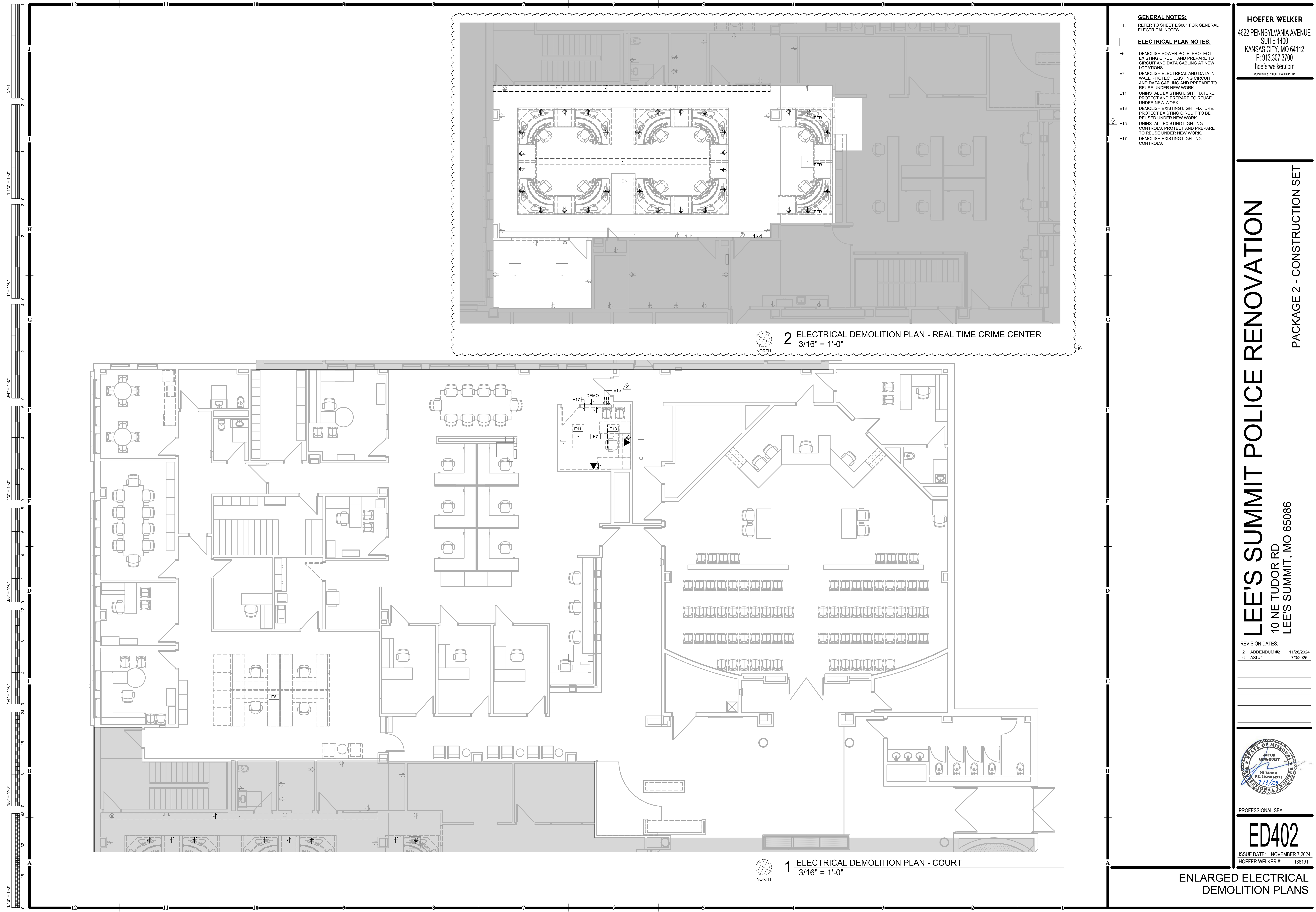
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REVISION DATES:



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EG001 ISSUE DATE: NOVEMBER 7, 2024 HOEFER WELKER #: 138191



2 ELECTRICAL DEMOLITION PLAN - REAL TIME CRIME CENTER
 3/16" = 1'-0"

1 ELECTRICAL DEMOLITION PLAN - COURT
 3/16" = 1'-0"

- GENERAL NOTES:**
- REFER TO SHEET EG001 FOR GENERAL ELECTRICAL NOTES.
- ELECTRICAL PLAN NOTES:**
- E6 DEMOLISH POWER POLE. PROTECT EXISTING CIRCUIT AND PREPARE TO REUSE UNDER NEW WORK.
 - E7 DEMOLISH ELECTRICAL AND DATA IN WALL. PROTECT EXISTING CIRCUIT AND DATA CABLING AND PREPARE TO REUSE UNDER NEW WORK.
 - E11 UNINSTALL EXISTING LIGHT FIXTURE. PROTECT AND PREPARE TO REUSE UNDER NEW WORK.
 - E13 DEMOLISH EXISTING LIGHT FIXTURE. PROTECT EXISTING CIRCUIT TO BE REUSED UNDER NEW WORK.
 - E15 UNINSTALL EXISTING LIGHTING CONTROLS. PROTECT AND PREPARE TO REUSE UNDER NEW WORK.
 - E17 DEMOLISH EXISTING LIGHTING CONTROLS.

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2	ADDENDUM #2	11/26/2024
6	ASI #4	7/3/2025



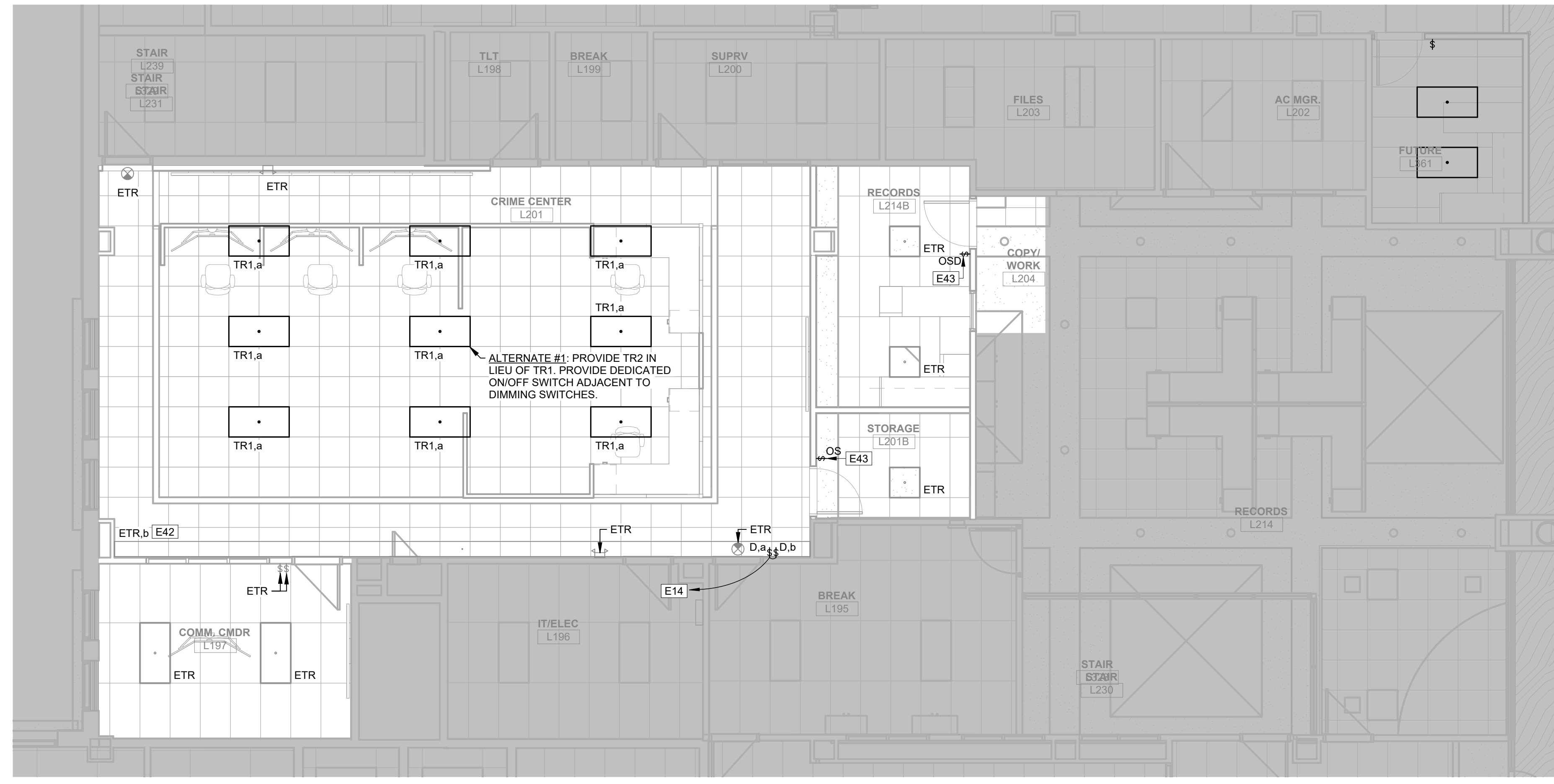
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ED402
ISSUE DATE: NOVEMBER 7, 2024
 HOEFER WELKER #: 138191

PACKAGE 2 - CONSTRUCTION SET

ENLARGED ELECTRICAL DEMOLITION PLANS



- GENERAL NOTES:**
 1. REFER TO SHEET EG001 FOR GENERAL ELECTRICAL NOTES.
- ELECTRICAL PLAN NOTES:**
- E14 CONNECT NEW LIGHT FIXTURE(S) TO EXISTING LIGHTING CIRCUIT PROTECTED DURING DEMOLITION.
 - E42 REMOVE EXISTING FLUORESCENT TUBES AND BALLAST FROM EXISTING WALL MOUNTED FIXTURE. REPLACE WITH NEW FLUORESCENT RETROFIT LED KIT WITH 0-10V DIMMING DRIVER, KONLITE TRSLO010369K0NYYLF OR APPROVED EQUAL.
 - E43 PROVIDE NEW LIGHT SWITCH TO CONTROL EXISTING LIGHT FIXTURE(S) IN NEW SPACE. INTERCEPT EXISTING CIRCUIT AND REUSE FOR NEW LIGHTING CONTROLS.
 - E44 REUSE EXISTING UNDERFLOOR RECEPTACLE CIRCUIT TO SERVE NEW RAISE/LOWER TABLE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CONSTANT TECHNOLOGIES SITE SPECIFIC DRAWINGS. CIRCUIT SHOWN IS BASED ON AS-BUILT DRAWINGS AND MAY NOT REFLECT FIELD CONDITIONS. DETERMINE EXACT CIRCUIT IN THE FIELD AND DOCUMENT ON RED-LINE DRAWINGS.
 - E45 REINSTALL UNDERFLOOR RECEPTACLE PROTECTED DURING DEMOLITION IN NEW FURNITURE SHOWN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CONSTANT TECHNOLOGIES SITE SPECIFIC DRAWINGS. DETERMINE EXACT CIRCUIT IN THE FIELD AND DOCUMENT ON RED-LINE DRAWINGS.
 - E46 CONNECT TO EXISTING RECEPTACLE CIRCUIT PROTECTED DURING DEMOLITION. DETERMINE EXACT CIRCUIT IN THE FIELD AND DOCUMENT ON RED-LINE DRAWINGS.



LOAD REMOVED: 800 VA
 LOAD ADDED: 360 VA
 NET CHANGE: -440 VA

2 REAL TIME CENTER - LIGHTING PLAN
 3/16" = 1'-0"



LOAD REMOVED: 12,600 VA
 LOAD ADDED: 8,460 VA
 NET CHANGE: 4,140 VA

1 REAL TIME CENTER - POWER PLAN
 3/16" = 1'-0"

9'-1"
 1/2" = 1'-0"
 2 0
 1
 3
 4
 5
 6
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 98
 99
 100

PANELBOARD: LP1

BUS AMPS: 600 A
 MAIN SIZE/TYPE: MLO
 VOLTS/PHASE: 480Y/277 V, 3PH, 4W
 SUPPLIED BY: MSB1

AIC RATING: 14,000 AIC
 FAULT CURRENT: ETR
 CUM. VOLT. DROP: ETR
 MOUNTING: SURFACE
 LOCATION: ELECTRICAL SWITCHGEAR...

CKT NO.	DESCRIPTION	NOTES	WIRE SIZE	GND SIZE	BKR AMP	P	A			B			C			BKR AMP	GND SIZE	WIRE SIZE	NOTES	DESCRIPTION	CKT NO.		
							1	2	3	1	2	3	1	2	3								
1	VAV 1-4	EX	20	7			3000	5000											EX	VAV 2-10	2		
3	VAV 1-5	EX	20	7					1000	3288									EX	VAV 2-9	4		
5	VAV 1-6	EX	20	7							4000	3288							EX	VAV 2-8	6		
7	VAV 1-7	EX	20	7			1500	3288											EX	VAV 2-7	8		
9	VAV 1-8	EX	20	7					3000	2500									EX	VAV 2-6	10		
11	VAV 1-13	EX	20	7							4000	3621							EX	VAV 2-17	12		
13	VAV 1-14	EX	20	7			2000	3621											EX	VAV 2-16	14		
15	VAV 1-15	EX	20	7					6392	3621									EX	VAV 2-15	16		
17	VAV 1-15	EX	20	3							6392	3500							EX	VAV 2-14	18		
19							6392	3121											EX	VAV 2-14	20		
21									6392	3121									EX	VAV 2-14	22		
23	VAV 1-12	EX	20	3							6392	3121							EX	VAV 2-15	24		
25							6392	2500											EX	VAV 2-13	26		
27									8885	3000									EX	VAV 2-13	28		
29	VAV 1-21	EX	40	3							8885	3621							EX	VAV 2-7	30		
31							8885	3621											EX	VAV 2-7	32		
33									3621	3621									EX	VAV 2-6	34		
35	VAV 1-23	EX	20	3							3000	3621							EX	VAV 2-18	36		
37							3621	3621											EX	VAV 2-18	38		
39	VAV 1-24	EX	20	7							3000	2000							EX	VAV 2-19	40		
41	VAV 1-25	EX	20	7							4000	2000							EX	VAV 2-19	42		
43	VAV 2-12	EX	20	7							3000	4000							EX	VAV 2-11	44		
45	VAV 2-11	EX	20	7							5000	2400							EX	VAV 2-11	46		
47																			EX	LTG-OFFICES	48		
49	VAV 1-32	EX	30	3			5000	2430											EX	LTG-CORRIDOR	50		
51											5000	2137							EX	LTG-CORRIDOR	52		
53	VAV 1-27	EX	20	7							4000	2560							EX	LTG-SIU WORKROOM	54		
55							7333	2560											EX	LTG-SIU WORKROOM	56		
57	VAV 1-28	EX	40	3							7333	2925							EX	LTG-EXTERIOR WEST PARKING LOT	58		
59																			EX	LTG-EXTERIOR WEST PARKING LOT	60		
61	VAV 1-29	EX	20	7			2500	10667											EX	PWR - VEH BAY RADIANT HTRS	62		
63	VAV 1-31	EX	20	7							3000	10667							EX	PWR - VEH BAY RADIANT HTRS	64		
65	LTG-CORRIDOR	EX	20	7								2850	10667						EX	PWR - VEH BAY RADIANT HTRS	66		
67	LTG-STORAGE AREAS/MECH RM	EX	20	7							2475	3000							EX	UH-2 (VEHICLE BAY)	68		
69	LTG-EVIDENCE OFFICES	EX	20	7							2160	5182							EX	UH-2 (VEHICLE BAY)	70		
71	LTG-GARAGE	EX	20	7								2160	5182						EX	UH-2 (VEHICLE BAY)	72		
73	CUH-2	EX	30	7			5000	5182					2709	5182					EX	RTU-1	74		
75	CUH-3	EX	30	7							5000	2700							EX	RTU-1	76		
77	CUH-1	EX	30	7								5000	3158						EX	RTU-1	78		
79	SPARE	EX	--	--			0	0					5000	3158					EX	ALTERNATE CKT FOR JAIL LTG	80		
81	SPARE	EX	--	--			0	0					0	0					EX	ALTERNATE CKT FOR JAIL LTG	82		
83	SPARE	EX	--	--			0	0					0	0					EX	ALTERNATE CKT FOR JAIL LTG	84		
							TOTAL LOAD:	108708 VA			108165 VA			112845 VA									
							TOTAL AMPS:	393 A			390 A			408 A									
							LOAD BALANCE:	-0.97%			-1.54%			2.80%									

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD GENERAL NOTES:
HEATING	286185 VA	100.00%	286185 VA	A. WIRE AND GROUND SIZE SHALL BE #12 UNLESS OTHERWISE NOTED.
LIGHTING	33989 VA	125.00%	42486 VA	
MOTORS	4233 VA	100.00%	4233 VA	
MISC EQUIP	5312 VA	100.00%	5312 VA	

PANELBOARD TOTALS	
TOTAL CONN. LOAD:	329719 VA
TOTAL EST. DEMAND LOAD:	338216 VA
TOTAL CONN. CURRENT:	397 A
TOTAL EST. DEMAND CURRENT:	407 A

PANELBOARD: EP2

BUS AMPS: 125 A
 MAIN SIZE/TYPE: MLO
 VOLTS/PHASE: 208Y/120 V, 3PH, 4W
 SUPPLIED BY:

AIC RATING: 10,000 AIC
 FAULT CURRENT: 1 A
 CUM. VOLT. DROP: 0.00%
 MOUNTING: SURFACE
 LOCATION: IT/ELEC L196

CKT NO.	DESCRIPTION	NOTES	WIRE SIZE	GND SIZE	BKR AMP	P	A			B			C			BKR AMP	GND SIZE	WIRE SIZE	NOTES	DESCRIPTION	CKT NO.	
							1	2	3	1	2	3	1	2	3							
3	COMMUN. CMDR	EX	20	1			1080	720											EX	RCPT - RTCC DESK D	2	
4	CPU	EX	20	1					500	360									EX	RCPT - RTCC DISPLAY WALL A	4	
5	COMPUTERS RECORDS	EX	20	1							360	720							EX	RCPT - RTCC DESK E	6	
7	COMPUTERS RECORDS	EX	20	1			360	720											EX	RCPT - RTCC DESK C	8	
9	COMPUTERS RECORDS	EX	20	1					360	720									EX	RCPT - RTCC DESK B	10	
11	SPARE	EX	--	--			0	900				0	720						EX	RCPT - RTCC DESK A	12	
13	SPARE	EX	--	--			0	900											EX	REC - SUPERVISOR OFFICE	14	
15	RCPT - RTCC DISPLAY WALL C	EX	20	1					360	360									EX	RCPT - RTCC DISPLAY WALL B	16	
17	SPARE	EX	--	--			0	0				0	360						EX	RCPT - RTCC DISPLAY	18	
19	SPARE	EX	--	--			0	0											EX	RCPT - RTCC DISPLAY	20	
21	RCPT - RTCC DISPLAY WALL E	EX	20	1					360	360									EX	RCPT - RTCC DISPLAY WALL D	22	
23	PWR - RAISE/LOWER DESK	EX	20	1							1000	0							EX	SPARE	24	
25	SPARE	EX	--	--			0	0											EX	SPARE	26	
27	SPARE	EX	--	--			0	0											EX	SPARE	28	
29	SPARE	EX	--	--			0	0											EX	SPARE	30	
31	SPARE	EX	--	--			0	0											EX	SPARE	32	
33	SPARE	EX	--	--			0	0											EX	SPARE	34	
35	SPARE	EX	--	--			0	0											EX	SPARE	36	
37	SPARE	EX	--	--			0	0											EX	SPARE	38	
39	SPARE	EX	--	--			0	0											EX	SPARE	40	
41	SPARE	EX	--	--			0	0											EX	SPARE	42	
							TOTAL LOAD:	3780 VA			3380 VA			3160 VA								
							TOTAL AMPS:	32 A			28 A			26 A								
							LOAD BALANCE:	10.95%			-0.89%			-8.07%								

LOAD CLASSIFICATION	CONN. LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD GENERAL NOTES:
RECEPTACLES	9320 VA	100.00%	9320 VA	A. WIRE AND GROUND SIZE SHALL BE #12 UNLESS OTHERWISE NOTED.
MISC EQUIP	1000 VA	100.00%	1000 VA	

PANELBOARD TOTALS	
TOTAL CONN. LOAD:	10320 VA
TOTAL EST. DEMAND LOAD:	10320 VA
TOTAL CONN. CURRENT:	29 A
TOTAL EST. DEMAND CURRENT:	29 A

PANELBOARD: P1

BUS AMPS: 225 A
 MAIN SIZE/TYPE: MLO
 VOLTS/PHASE: 208Y/120 V, 3PH, 4W
 SUPPLIED BY: NLD1

AIC RATING: 10,000 AIC
 FAULT CURRENT: ETR
 CUM. VOLT. DROP: ETR
 MOUNTING: SURFACE
 LOCATION: ELECTRICAL SWITCHGEAR...

CKT NO.	DESCRIPTION	NOTES	WIRE SIZE	GND SIZE	BKR AMP	P	A			B			C			BKR AMP	GND SIZE	WIRE SIZE	NOTES	DESCRIPTION	CKT NO.
							1	2	3	1	2	3	1	2	3						
1	RCPT-STORAGE & EXTERIOR	EX	20	7			1260	900											EX	RCPT-OFFICES	2
3	RCPT-VEHICLE PROCESSING	EX	20	7					900	1080									EX	RCPT-OFFICES	4
5	RCPT-VEHICLE PROCESSING	EX	20	7							720	1200							EX	FURN J BOX - INVEST SGT	6
7	RCPT-EXTERIOR	EX	20	7			1080	1200											EX	FURN J BOX - INVEST SGT	8
9	GARAGE DOOR	EX	20	7					1176	1080									EX	RCPT-SIU CAPTAIN CLERICAL	10
11	GARAGE DOOR	EX	20	7							1176	540							EX	FURN J BOX - SIU CLERICAL	12
13	GARAGE DOOR	EX	20	7					1176	540									EX	FURN J BOX - SIU CLERICAL	14
15	GARAGE DOOR	EX	20	7							1176	1260							EX	RCPT-INTERV	16
17	RCPT-EVIDENCE OFFICE/VEST	EX	20	7							900	1200							EX	FURN J BOX - WORK ROOM	18
19	RCPT-EVIDENCE WORKROOM	EX	20	7			720	1200											EX	FURN J BOX - WORK ROOM	20
21	RCPT-FORENSICS/EVIDENCE PROC	EX	20	7					900	1200									EX	FURN J BOX - WORK ROOM	22
23	RCPT-MECH ROOM COUNTER	EX	20	7							720	1200							EX	FURN J BOX - WORK ROOM	24
25	RCPT-INTERV COPY ROOM	EX	20	7			1260	1200	</												