



Van Buren Public Schools

RAHS Belleville High School

501 W Columbia Ave
 Belleville, MI 48111



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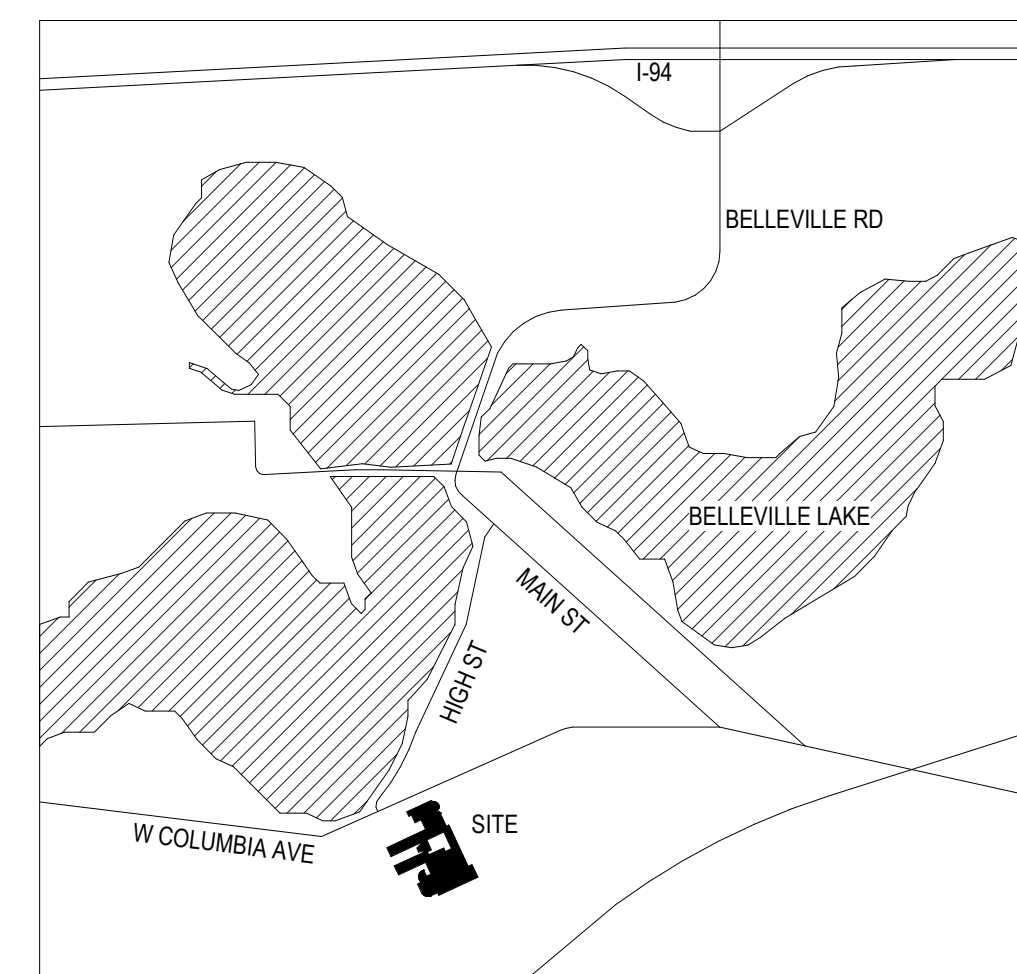
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Code Information

Issued for Issue Date

Design Development 07-03-2024



Site Map



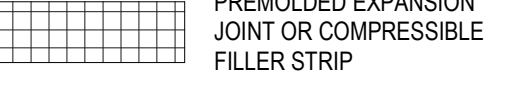
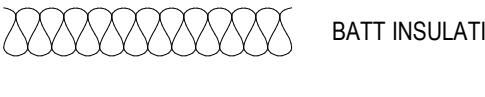
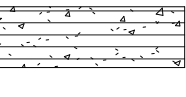

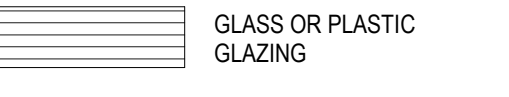

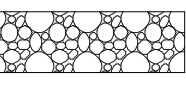
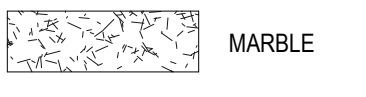
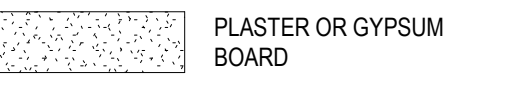
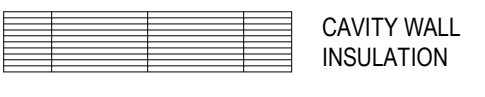
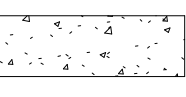


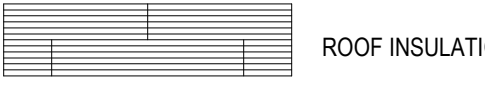
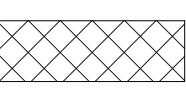


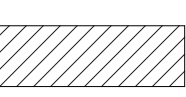
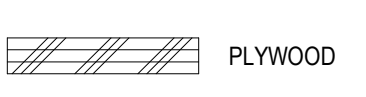


Registration Seal

 Signature Date Signature Date Signature Date

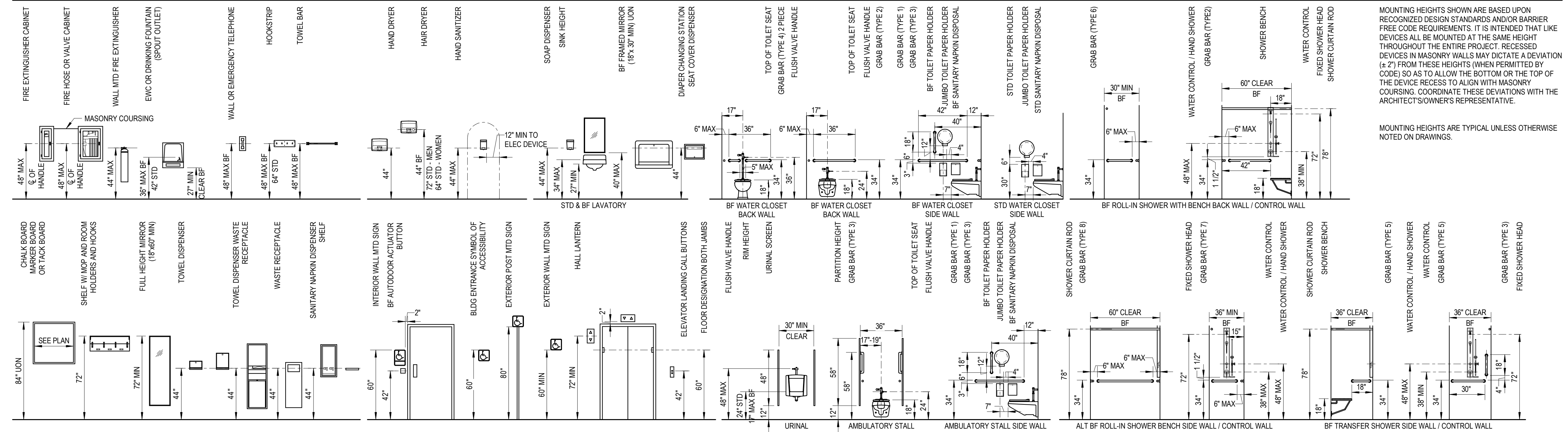
ABBREVIATIONS

A ABRSV ABRASIVE ACOUS ACUSTICAL ACT ACUSTICAL CEILING TILE AC PNL ACUSTICAL PANEL ACS PNL ACCESS PANEL ACU AIR CONDITIONING UNIT ADJ ADJACENT, ADJUSTABLE AFF ABOVE FINISH FLOOR ALT ALTERNATE ALUM ALUMINUM ANOD ANODIZED APPROX APPROXIMATELY ARCH ARCHITECT, ARCHITECTURAL AUTO AUTOMATIC	B BO BOARD BEV BEVEL, BEVELED BLDG BUILDING BLKG BLOCKING BN BULLNOSE BOTT BOTTOM BRG BEARING BRKT BRACKET BSMT BASEMENT BUR BUILT UP ROOFING SYSTEM BD BOTTOM OF DECK	C CAB CABINET CB CATCH BASIN CBB CEMENT BACKER BOARD CC COLOR CODE CCT CUBICLE CURTAIN TRACK CEM PLAS CEMENT PLASTER CG CORNER GUARD CHBD CHALKBOARD CHKD PL CHECKERED PLATE CJ CONTROL OR CONSTRUCTION JOINT CLS CEILING CMU CONCRETE MASONRY UNIT CD CLEAN OUT COL COLUMN COMP COMPACTED COMPO COMPOSITION CONC CONCRETE CONF CONFERENCE CONN CONNECT, CONNECTION CONSTR CONSTRUCTION CONT CONTINUE, CONTINUOUS CONTR CONTRACTOR CONV CONVERTOR CORR CORRIDOR/CORRUGATED COORD COORDINATE CPT CARPET CSWK CASEWORK CT CERAMIC TILE CSK COUNTERSINK (SINK) CUH CABINET UNIT HEATER	D DBL DOUBLE DWTR DUMBWATER DT DR DUTCH DOOR DEM DDEMOLISH, DEMOLITION DEPR DERESSED DEPT DEPARTMENT DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIAG DIAGONAL DIF DIFFUSER DIM DIMENSION DIR DIRECTORY DEFS DIRECT APPLIED FINISH SYSTEM DMPF DAMPROOFING SYSTEM DMT DEMOUNTABLE DN DOWN DR OPNG DOOR OPENING DR DOOR DNG DRAWING DT DRAIN TILE DNL DOWEL DWR DRAWER	E EA EACH EF EXHAUST FAN EFS EXTERIOR INSULATION FINISH SYSTEM EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRIC, ELECTRICAL ELEV ELEVATOR ENCL ENCLOSURE ENTR ENTRANCE, ENTRY ENTRY MAT ENTRY MAT SYSTEM EP ELECTRICAL PANEL EPT EPOXY PAINT EQ EQUAL EQUIP EQUIPMENT EW EACH WAY EWC ELECTRICAL WATER COOLER (E) EXISTING FINISH/DOOR (PER SCHEDULE) EXIST EXISTING EXP EXPOSED EXP BT EXPANSION BOLT EXP CONST EXPOSED CONSTRUCTION EXT EXTERIOR	F FAC FACTORY FACP FIRE ALARM CONTROL PANEL FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FDTN FOUNDATION FE FIRE EXTINGUISHER FEB FIRE EXTINGUISHER CABINET FEC FIRE EXTINGUISHER CABINET FIN FLR FINISH FLOOR	G GA GAGE, GAUGE GALV GALVANIZED GF CMU GROUND FACE CONCRETE MASONRY UNIT GRFC GLASS FIBER REINFORCED CONCRETE GRFG GLASS FIBER REINFORCED GYPSUM GI GALVANIZED IRON GL GLASS-GLAZED GL CMU GLAZED CONCRETE MASONRY UNIT GR GRADE GRG GLASS REINFORCED GYPSUM BOARD	H H HIGH HEIGHT HB HOSE BIBB HC HOLLOW CORE HDWD HARDWOOD HDWE HARDWARE HDSLR HARDENER SEALER HM MINIMUM HNSL HOLLOW METAL HORIZ HORIZONTAL, HORIZONTALLY HORZB HORIZONTAL BLINDS HP HIGH POINT HPC HIGH PERFORMANCE COATING HR HOUR	I ID INSIDE DIAMETER IE INVERT ELEVATION INCL INCLUDE, INCLUDING INFO INFORMATION IN INCH, INCHES INSUL INSULATE, INSULATION INT INTERIOR IR IMPACT RESISTANT IR GYP BD IMPACT RESISTANT GYPSUM BOARD	J JC JANITOR CLOSET JT JOINT JST JOIST	K KD KNOCK DOWN	L L LONG LENGTH LAB LABORATORY LAM LAMINATE, LAMINATED LAV LAVATORY LBL LABEL LBS POUNDS LF LINEAR FOOT LH LEFT HAND LHR LEFT HAND REVERSE LIMST LIMESTONE LINO LINOLEUM LKR LOCKER LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LO LOUVER OPENING LP LOW POINT LPT LIGHT PROOF LWT LIGHT WEIGHT LVT LUXURY VINYL TILE	M MAINT MAINTENANCE MATL MATERIAL MAX MAXIMUM MCC MULTI COLOR COATING MDS METAL DIVING STRIP MECH MECHANICAL MEZZ MEZZANINE MFR MANUFACTURER MH HANDLE MIN MINIMUM MISC MISCELLANEOUS MRGB MARKER BOARD MLDG MOULDING MO MASONRY OPENING MRT MARBLE THRESHOLD MTD MOUNTED MTL METAL OR METALLIC RC METAL THRESHOLD REF REFERENCE MTL PNL METAL PANEL MULL MULLION	N NIC NOT IN CONTRACT NO NUMBER NOM NOMINAL NRC NOISE REDUCTION COEFFICIENT NTS NOT TO SCALE	O OC ON CENTER OD OUTSIDE DIAMETER OH OVERHEAD OPH OPENING OPP HD OPPOSITE HAND ORN ORNAMENTAL OZ OUNCE	P PA PUBLIC ADDRESS PVT PAVERT PBD PARTICLEBOARD PC PRECAST PC SECTION PERF PERFORATED PERIM PERIMETER PH PNL PORCELAIN ENAMEL PLB PLUMBING PLAS PLASTER PLAM PLASTIC LAMINATED PLYWOOD PLYWOOD POL POLISH, POLISHED POL... POLISHED CONCRETE POROUS POROUS PORC PORCELAIN PORC EN PORCELAIN ENAMEL PORC T PORCELAIN TILE PR PARK SURF SURFACE SUSP SUSPEND, SUSPENSION SYM SYMBOL SYMM SYMMETRICAL	R RH RIGHT HAND RHR RIGHT HAND REVERSE RO ROUGH OPENING ROW RIGHT OF WAY RR RAILROAD RS ROOF SUMP RSD ROLLER SHADE RST RUBBER TILE SC SCHEDULE SCHR SHOWER CURTAIN ROD SECT SECTION SF SQUARE FEET (FOOT) SGFT STRUCTURAL GLAZED FACING TILE SHP SHELF AND POLE SM SIMILAR SPEC SPECIFICATION SQ SQUARE SS SERVICE SINK STAG STAGGERED STC SOUND TRANSMISSION GLASS STD STANDARD STL STEEL STRUC STRUCTURAL STL STAINLESS STEEL STR STAIR SURF SURFACE SUSP SUSPEND, SUSPENSION SYM SYMBOL SYMM SYMMETRICAL	S S SOLID CORE SCHED SCHEDULE SCHR SHOWER CURTAIN ROD SECT SECTION SF SQUARE FEET (FOOT) SGFT STRUCTURAL GLAZED FACING TILE SHP SHELF AND POLE SM SIMILAR SPEC SPECIFICATION SQ SQUARE SS SERVICE SINK STAG STAGGERED STC SOUND TRANSMISSION GLASS STD STANDARD STL STEEL STRUC STRUCTURAL STL STAINLESS STEEL STR STAIR SURF SURFACE SUSP SUSPEND, SUSPENSION SYM SYMBOL SYMM SYMMETRICAL	T T TREAD T & B TOP AND BOTTOM T & G TONGUE AND GROOVE TC TOP OF COVER OR CURB TEL TELEPHONE TEMP GL TEMPERED GLASS TERR TERRAZZO THK THICK, THICKNESS TKBD TACKBOARD TKSP TACK STRIP TOC TOP OF COVER OR CURB TOP TOP TOM TOP OF FOOTING TOS TOP OF STEEL TOP TOP OF WALL TRANS TRANSOM TURF INDOOR TURF TV TELEVISION TYP TYPICAL	U UL UNDERCUT UN UNDERWRITERS LABORATORIES INC. UN UNLESS OTHERWISE NOTED	V VCT VINYL COMPOSITION TILE VERT VERTICAL, VERTICALLY VERTB VERTICAL BLINDS VEN VENEER PLASTER VF VERIFY IN FIELD VTR VITREOUS VR VAPOR RETARDER VRS VINYL REDUCER STRIP VTR VENT THRU ROOF VWC VINYL WALL COVERING	W W WIDE, WIDTH WBR WALL BUMPER RAIL WCS WAINSCOTT WI WITH WD WOOD WM WIRE MESH WO WINDOW OPENING W/O WITHOUT WRP WATERPROOF WRF WEATHERPROOF WP WORKING POINT WSTOP WATERSTOP WSTPG WEATHERSTRIPPING WTFG WATERSTOP WWF WELED WIRE FABRIC	X X BY	Y Y CENTERLINE	Z Z CHANNEL ° DEGREE OR DEGREES Ø DIAMETER ' FEET, FOOT " INCH, INCHES # NUMBER OR POUND PL PLATE T TEE
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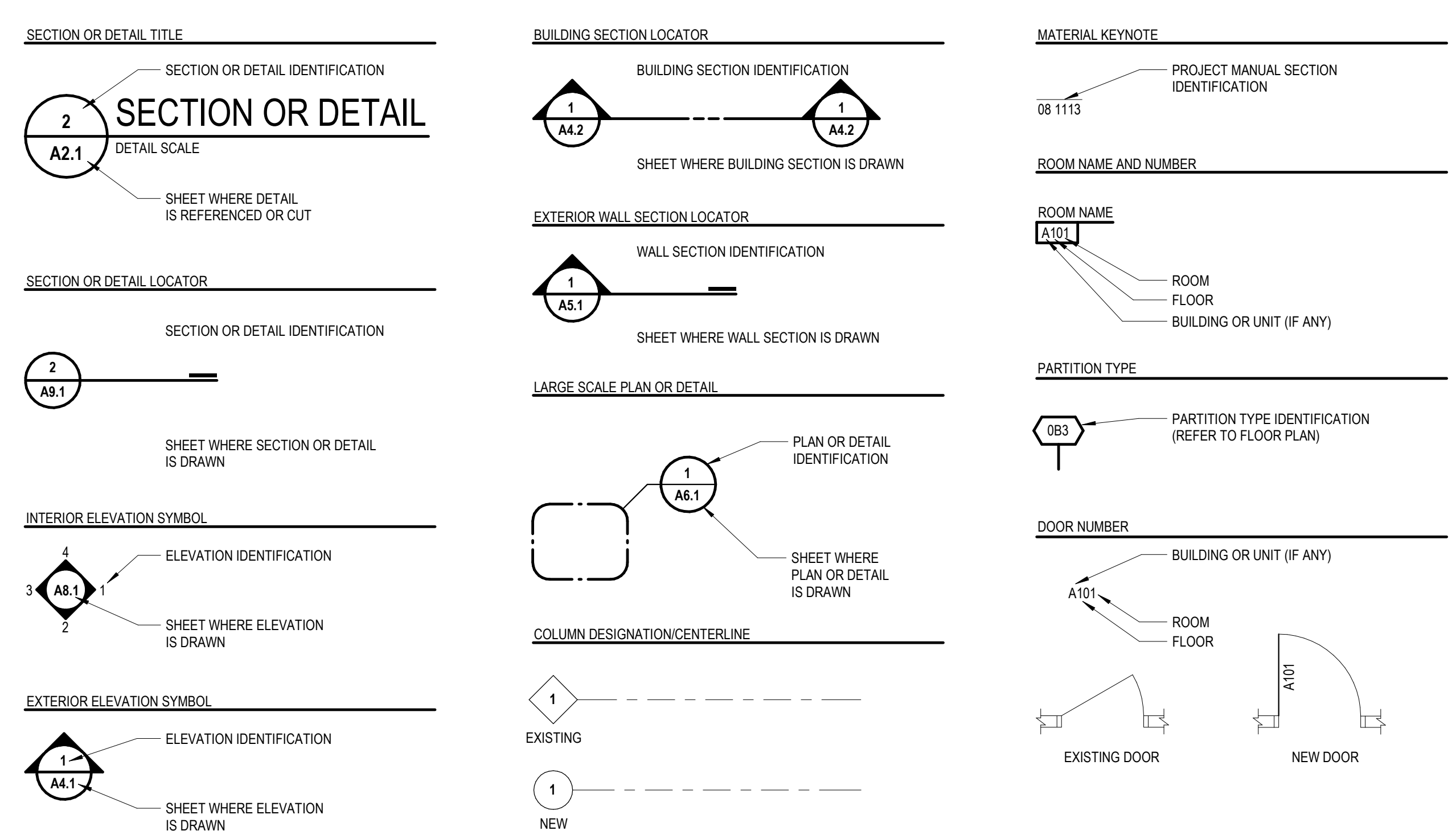
MATERIAL LEGEND

 SOIL	 STRUCTURAL GLAZED FACING TILE	 PREMOLDED EXPANSION JOINT OR COMPRESSIBLE FILLER STRIP	 BATT INSULATION
 GRANULAR FILL	 STONE	 GLASS OR PLASTIC GLAZING	 RIGID INSULATION
 GRAVEL	 MARBLE	 PLASTER OR GYPSUM BOARD	 CAVITY WALL INSULATION
 CONCRETE	 METALS	 CERAMIC OR QUARRY TILE	 ROOF INSULATION
 CONCRETE MASONRY UNIT	 FINISH WOOD	 TERRAZZO	
 BRICK	 PLYWOOD	 ACOUSTICAL PANEL OR ACOUSTICAL TILE	
 GLAZED CMU			

MOUNTING HEIGHTS



SYMBOL LEGEND



RAHS Belleville High School

501 W Columbia Ave
Belleville, MI 48111

Key Plan

THIS PROJECT MAY NOT UTILIZE ALL THE SYMBOLS, MATERIALS, ABBREVIATIONS AND STANDARD INFORMATION SHOWN ON THIS SHEET

Project Administrator	A. Maurer
Project Designer	A. Peifrey
Project Architect / Engineer	C. King
Drawn By	C. King
Q.M. Review	J.M. Review
Approved	
Drawing Scale	No Scale
Issued for	Issue Date
Design Development	07-03-2024

GENERAL NOTES

DEMOLITION PLAN

- A. ALL DEMOLITION WORK REQUIRED IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLAN. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL, AND ARCHITECTURAL ITEMS AS REQUIRED TO FACILITATE NEW CONSTRUCTION.
- B. CONTRACTOR SHALL PROVIDE TEMPORARY DUSTPROOF PARTITIONS WITH DOORS AT LOCATIONS INDICATED AND/OR AS REQUIRED TO ADEQUATELY SEPARATE OCCUPIED AREAS FROM CONSTRUCTION HAZARDS, NOISE AND/OR DUST. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE ALL LOCATIONS WITH ARCHITECT'S/OWNER'S REPRESENTATIVE.
- C. CONTRACTOR SHALL PROVIDE DUST MATS AT ALL CONSTRUCTION AREA ENTRANCES AND EXIT LOCATIONS. COORDINATE ALL LOCATIONS WITH ARCHITECT'S/OWNER'S REPRESENTATIVES.
- D. CONTRACTOR SHALL CONTINUOUSLY MAINTAIN ALL MEANS OF EGRESS AND ALL FIRE PROTECTION FEATURES FOR PORTIONS OF THE BUILDING THAT REMAIN OCCUPIED DURING CONSTRUCTION.
- E. COORDINATE SCOPE AND EXTENT OF DEMOLITION WITH NEW WORK PLANS AND DETAILS.
- F. REFER TO MECHANICAL AND ELECTRICAL DEMOLITION SHEETS FOR ADDITIONAL INFORMATION.

LEGEND

DEMOLITION PLAN

NOTE: NOT ALL SYMBOLS MAY BE USED

- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- (X) EXISTING CEILING TO BE REMOVED AS NOTED BY KEYNOTE
- (X) EXISTING FLOOR/FINISH TO BE REMOVED AS NOTED BY KEYNOTE
- (X) SAWCUT AND REMOVE PORTION OF CONC SLAB AS NOTED BY KEYNOTE

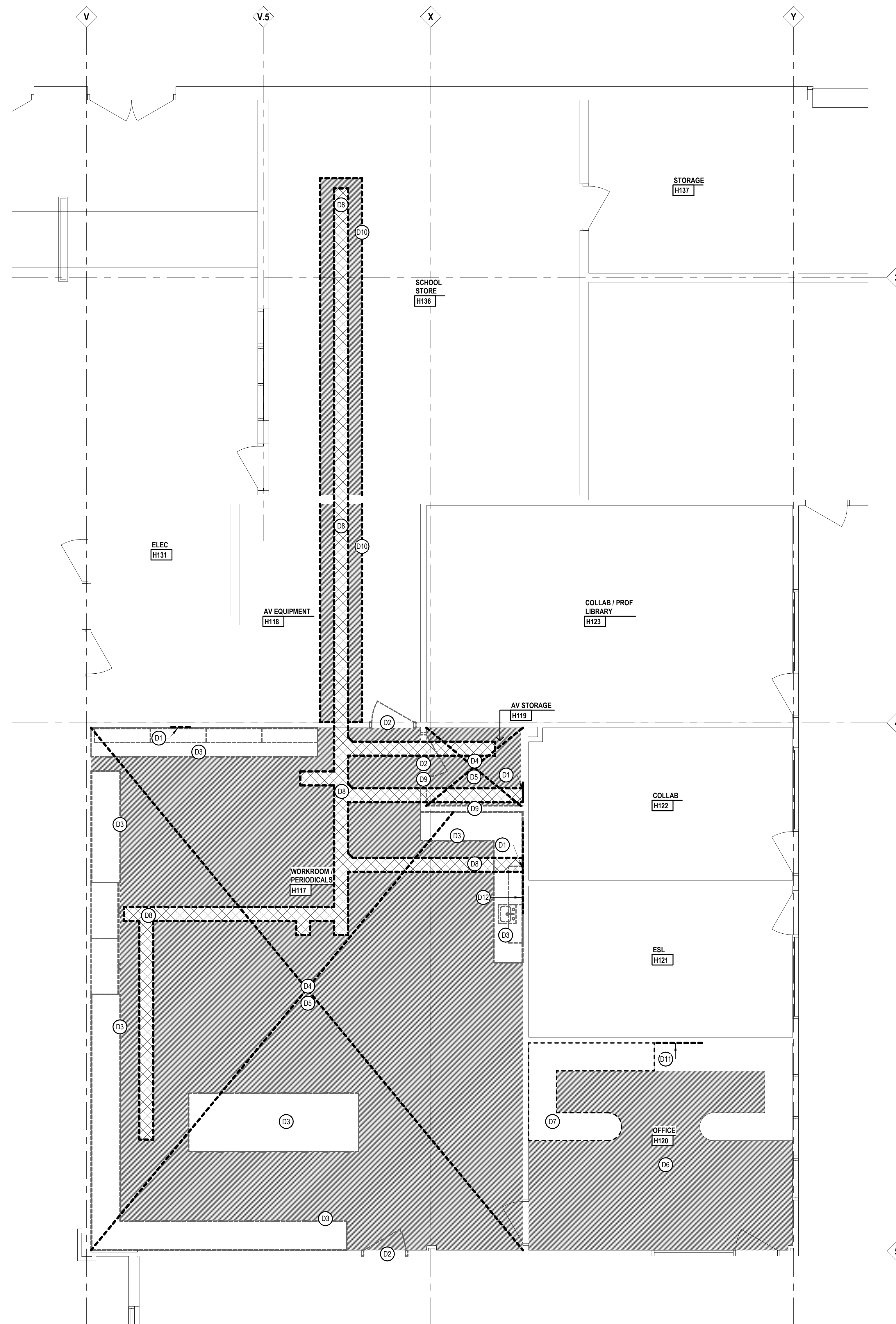
KEYNOTES

DEMOLITION PLAN

SHADED ITEMS HAVE BEEN REVERSED FROM PREVIOUS

NOTE: NOT ALL KEYNOTES MAY BE USED

- (F) LEGEND SYMBOL INDICATOR
- D1 REMOVE PORTION OF GYPSUM BOARD. COORDINATE WITH NEW WORK PLANS.
- D2 REMOVE DOOR, FRAME, AND SILL IN ITS ENTIRETY
- D3 REMOVE BASE CABINETS, COUNTERTOP, BACKSPLASH AND/OR WALL MOUNTED CABINETS IN THEIR ENTIRETY
- D4 REMOVE ACOUSTIC CEILING TILES, GRID, AND SUSPENSION SYSTEM IN ITS ENTIRETY
- D5 REMOVE VCT / LINOLEUM FLOORING, BASE, AND ADHESIVE DOWN TO STRUCTURAL SLAB
- D6 REMOVE CARPET, WALL BASE, AND ADHESIVE DOWN TO STRUCTURAL SLAB
- D7 REMOVE FURNITURE AND RETURN TO OWNER
- D8 SAW CUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB. COORDINATE WITH NEW WORK PLANS.
- D9 REMOVE GYPSUM BOARD / METAL STUD PARTITION. COORDINATE WITH NEW WORK PLANS.
- D10 REMOVE CARPET AS REQUIRED FOR FLOOR TRENCHING - SALVAGE, PROTECT AND STORE CARPET FOR REINSTALLATION
- D11 REMOVE MARKERBOARD / TACKBOARD / WHITEBOARD IN ITS ENTIRETY. RETURN TO OWNER.
- D12 REMOVE AND SALVAGE WALL MOUNTED PAPER TOWEL DISPENSER AND SOAP DISPENSER AND RETURN TO OWNER.



Project Title

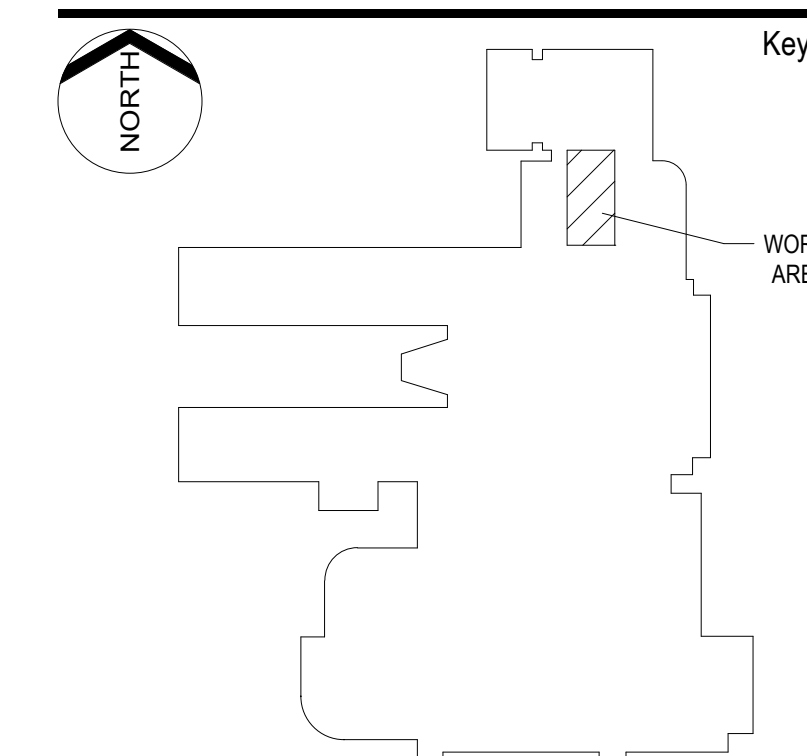


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RAHS Belleville High School

501 W Columbia Ave
 Belleville, MI 48111

Key Plan



Project Administrator

A. Maurer

Project Designer

A. Palfrey

Project Architect / Engineer

C. King

Drawn By

A. Palfrey

Q.M. Review

Approved

-

Drawing Scale

1/4" = 1' - 0"

Issued for

Design Development

Issue Date

07-03-2024

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IDS Drawing Title

First Floor Demolition Plan

Project Number

Drawing Number

24167-1000

A1.1

GENERAL NOTES

NEW WORK PLAN

- REFER TO SHEET A9.2 FOR DOOR SCHEDULE AND COLORS.
- REFER TO SHEET A9.1 FOR FINISH SCHEDULE AND COLORS.
- REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS.
- PARTIAL WALL POCHING IS SHOWN THROUGHOUT THIS PLAN AND THE TERMINATION OF SAME SHALL NOT BE CONSTRUCTED TO REPRESENT A CHANGE IN WALL MATERIAL. VERIFY WALL MATERIALS WITH PARTITION TYPES AND SCHEDULES.
- PATCH AND/OR REPAIR ALL EXISTING FLOOR, WALL AND/OR CEILING FINISHES AS REQUIRED TO MATCH EXISTING OR TO ACCEPT NEW FINISHES AS SCHEDULED AT ALL AREAS AFFECTED BY THE DEMOLITION WORK. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ADDITIONAL SCOPE OF WORK.
- INFILL ALL OPENINGS IN EXISTING WALLS ABOVE CEILINGS THAT ARE THE RESULT OF MECHANICAL OR ELECTRICAL DEMOLITION. OPENINGS IN MASONRY WALLS SHALL BE FILLED WITH MASONRY OF SIMILAR TYPES AND THICKNESS AS EXISTING. OPENINGS IN OTHER TYPES OF WALL CONSTRUCTION SHALL MATCH EXISTING MATERIALS, FINISHES AND WALL THICKNESS. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR SCOPE OF WORK.
- PROVIDE POSITIVE SLOPE TO ALL FLOOR DRAINS WHILE KEEPING FLOOR LEVEL AT WALL BASE.
- COORDINATE SIZE AND LOCATION OF ALL ACCESS DOORS WITH TRADES REQUIRING SAME. QUANTITIES SHOWN DO NOT NECESSARILY REPRESENT ALL ACCESS DOORS REQUIRED FOR ACCESSIBILITY.

LEGEND

NEW WORK PLAN

NOTE: NOT ALL SYMBOLS MAY BE USED

	EXISTING CONSTRUCTION
	NEW CONSTRUCTION
	PARTITION TYPE - REFER TO PARTITION DETAILS SHEET A9.3
	SHALL COMPLY WITH BARRIER FREE REQUIREMENTS
	CASEWORK/ MILLWORK TAG
	10 1100 VISUAL DISPLAY SURFACE
	MK= MARKERBOARD, TK= TACKBOARD
	XXXX INDICATES BOARD SIZE
	12 2413 ROLLER WINDOW SHADE
	CORNER GUARD

KEYNOTES

NEW WORK FLOOR PLAN

SHADED ITEMS HAVE BEEN REVISED FROM PREVIOUS

NOTE: NOT ALL KEYNOTES MAY BE USED

- LEGEND SYMBOL INDICATOR
- A1 AT BOTH SIDES OF DOOR PATCH & REPAIR 09 2900 GYPSUM BOARD JAMBES TO MATCH ADJACENT CONSTRUCTION - REINSTALL EXISTING WALL BASE AS REQUIRED.
- A2 PATCH/REPAIR GYPSUM BOARD/ PARTITION TO MATCH ADJACENT CONSTRUCTION.
- A3 03 3000 PATCH AND REPAIR CONCRETE FLOOR SLAB AT LOCATION OF REMOVED WALL OR SLAB PORTION. REFER TO TYPICAL DETAIL S/A9.4
- A4 REINFORCE PARTITION WITH 06 1000 WOOD BLOCKING AS REQUIRED TO ACCOMMODATE MILLWORK, TELEVISIONS, AND ACCESSORIES. REFER TO TYPICAL DETAIL S/A9.4
- A5 10 2800 SAMPLE PASS THRU WINDOW

LEGEND

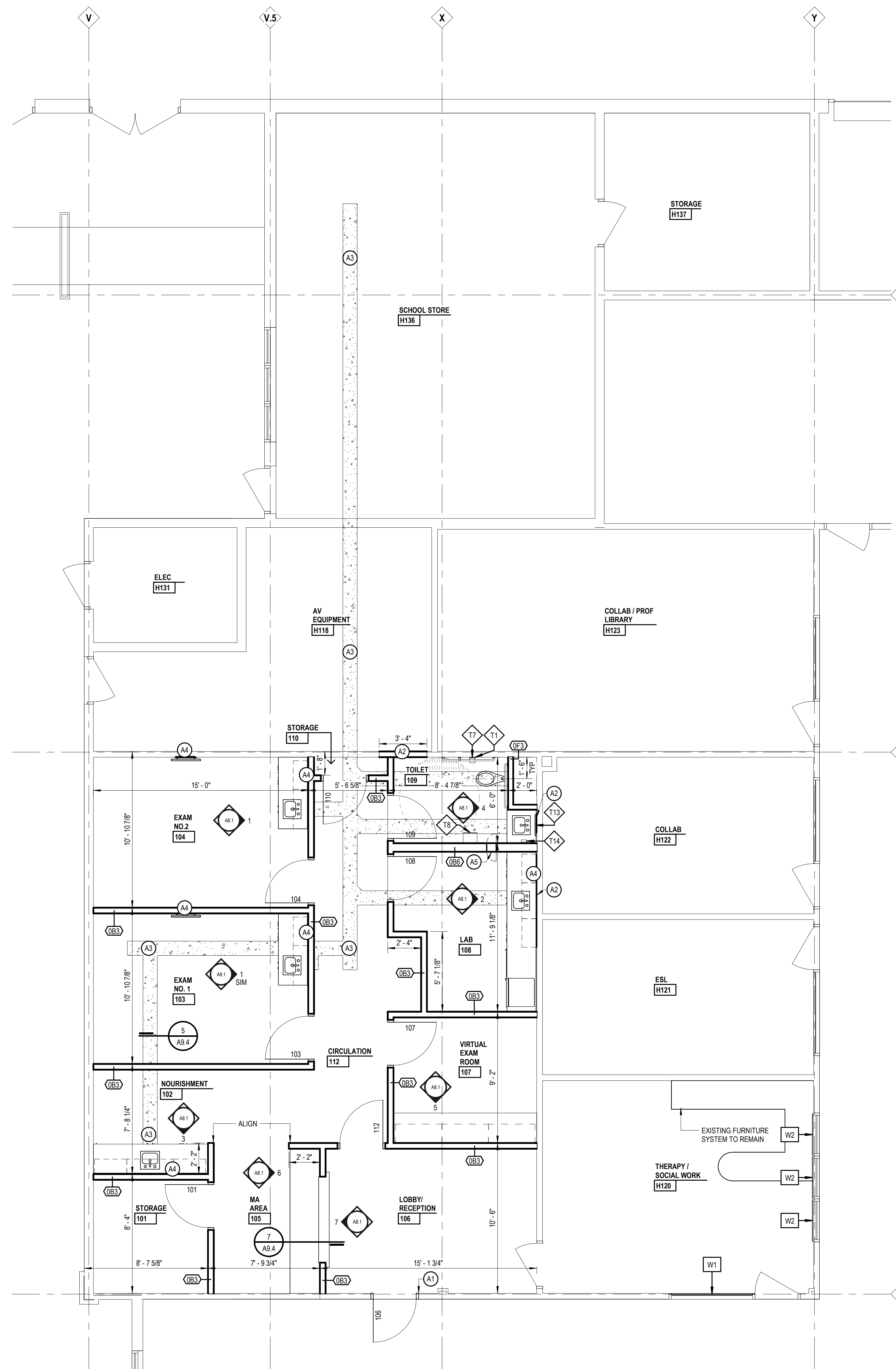
TOILET ACCESSORIES

SHADED ITEMS HAVE BEEN REVISED FROM PREVIOUS

NOTE: NOT ALL KEYNOTES MAY BE USED

REFER TO SPECIFICATION SECTION 10 2800 FOR ADDITIONAL INFORMATION ALL TOILET ACCESSORIES ARE CONTRACTOR FURNISHED AND INSTALLED UNON (OFICI) OWNER FURNISHED/OWNER INSTALLED (OFIC) OWNER FURNISHED/CONTRACTOR INSTALLED REFER TO DRAWING A/D FOR TYPICAL MOUNTING HEIGHTS

- LEGEND SYMBOL INDICATOR
- T1 GRAB BAR SET 1 (1) GRAB BAR TYPE 1, (1) GRAB BAR TYPE 2, (1) GRAB BAR TYPE 3 (CFIC)
- T7 TOILET PAPER DISPENSER (OFICI)
- T8 PAPER TOWEL DISPENSER (OFICI)
- T13 MIRROR (CFIC)
- T14 SOAP DISPENSER (OFICI)



Project Title

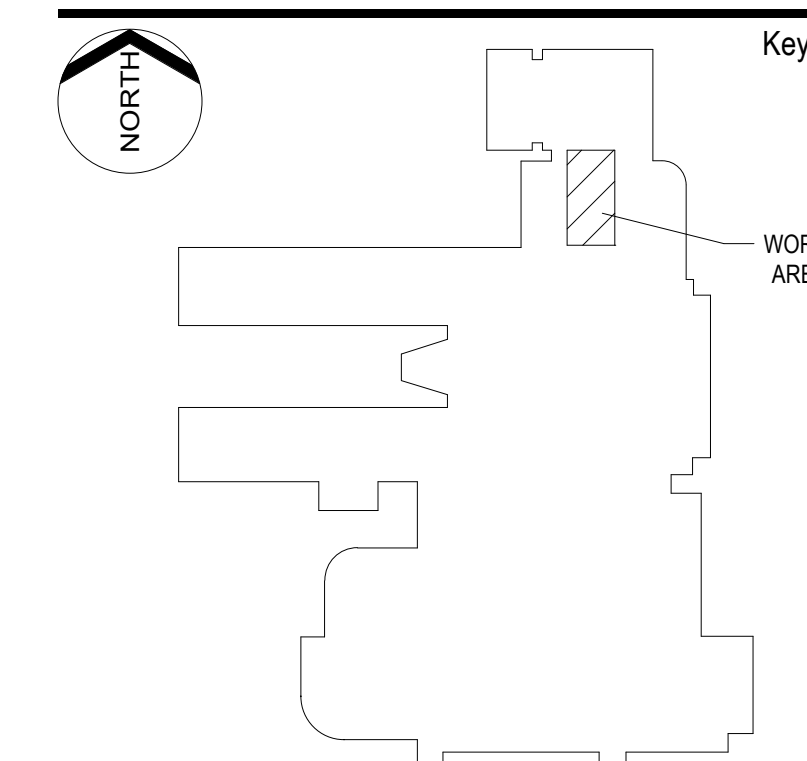


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Drawing Scale

1/4" = 1' - 0"

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iDS Drawing Title

First Floor New Work Plan

GENERAL NOTES

- REFLECTED CEILING PLAN**
- A. CEILING HEIGHT 9'-0" AFF UNLESS OTHERWISE NOTED.
 - B. ACOUSTICAL CEILING PANELS AND/OR TILES SHALL BE CENTERED WITHIN THE ROOM OR BORDER UNLESS OTHERWISE NOTED.
 - C. REFER TO FLOOR PLANS FOR PARTITION TYPE DESIGNATION.
 - D. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTING DEVICES.
 - E. UNLESS OTHERWISE NOTED LOCATION OF ITEMS SHOWN IN AREAS WITHOUT FINISH CEILINGS IS APPROXIMATE. COORDINATE EXACT LOCATION BETWEEN TRADES.
 - F. COORDINATE SIZE AND LOCATION OF ALL ACCESS DOORS WITH TRADES REQUIRING SAME. QUANTITIES SHOWN DO NOT NECESSARILY REPRESENT ALL ACCESS DOORS REQUIRED FOR ACCESSIBILITY.

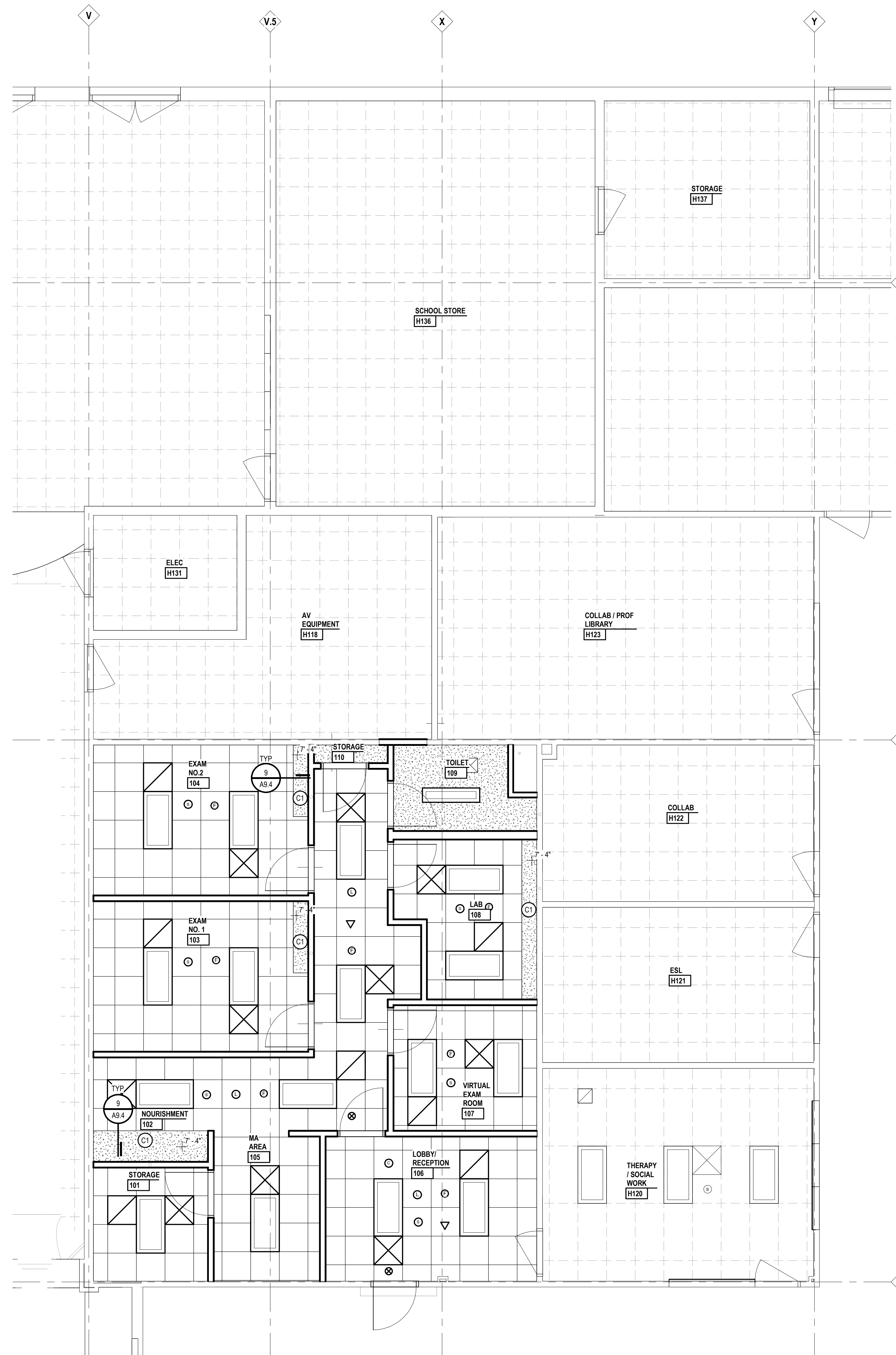
LEGEND

REFLECTED CEILING PLAN
 NOTE: NOT ALL SYMBOLS MAY BE USED

- LAY-IN CEILING
- EXISTING LAY-IN CEILING
- GYPSUM BOARD CEILING
- ACOUSTIC METAL DECK
- RECESSED DOWNLIGHT
- RECESSED LINEAR LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LINEAR LIGHT FIXTURE
- LIGHT FIXTURES
- INDUSTRIAL LIGHT FIXTURE
- LINEAR RETURN DIFFUSER
- LINEAR SUPPLY DIFFUSER
- EXHAUST AIR DIFFUSER
- RETURN AIR REGISTER/GRILLS
- SUPPLY AIR REGISTER/GRILLS
- ACCESS PANEL (24X24 UON)
- RADIANT CEILING PANEL
- SPRINKLER HEAD
- SENSORS
- FIRE ALARM DEVICES
- SPEAKERS
- MICROPHONE
- EXIT SIGNS
- JUNCTION BOX
- RECEPTACLES
- WIRELESS ACCESS POINT
- CAMERA
- PROJECTOR
- FLAT PANEL MONITOR

KEYNOTES

- REFLECTED CEILING PLAN**
 SHADED ITEMS HAVE BEEN REVISED FROM PREVIOUS
 NOTE: NOT ALL KEYNOTES MAY BE USED
- LEGEND SYMBOL INDICATOR
 - GYPSUM BOARD/METAL STUD SOFFIT ABOVE. REFER TO TYPICAL DETAIL 9/A9.4



Project Title

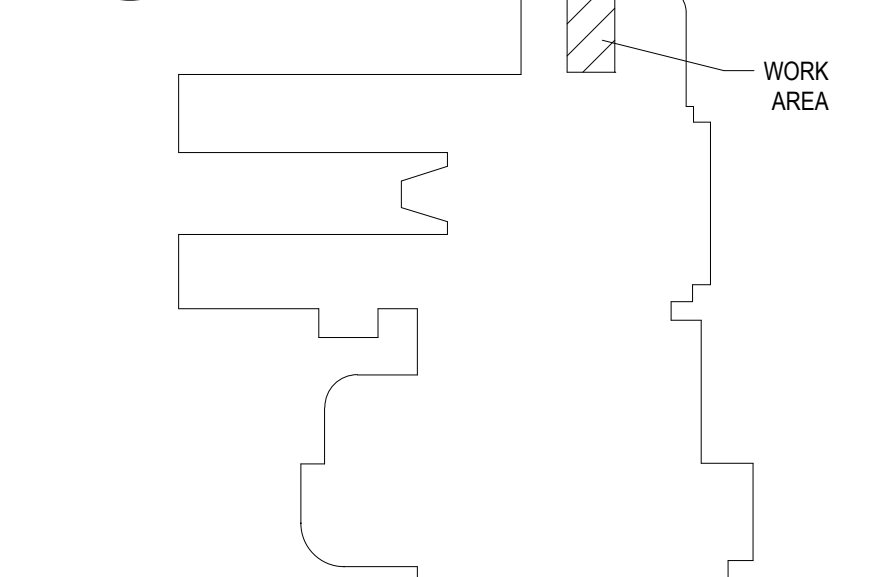
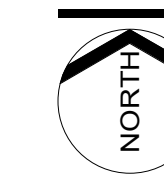


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RAHS Belleville High School

501 W Columbia Ave
 Belleville, MI 48111

Key Plan



Project Administrator

A. Maurer

Project Designer

A. Peffrey

Project Architect / Engineer

C. King

Drawn By

A. Peffrey

Q.M. Review

Approved

-

Drawing Scale

1/4" = 1' - 0"

Issued for

Design Development

Issue Date

07-03-2024

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 IDS Drawing Title

First Floor Reflected Ceiling Plan

105 Project Number Drawing Number

24167-1000 **A3.1**

GENERAL NOTES

INTERIOR ELEVATIONS

- A. ALL DIMENSIONS ARE TO FACE OF GYP BOARD UN.
- B. COORDINATE THE INTERFACING OF ALL TRADES WITH RESPECT TO DELIVERY AND INSTALLATION OF ALL FIXTURES AND EQUIPMENT
- C. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BEFORE INSTALLATION. CONSULT ARCHITECT WHEN ACTUAL FIELD CONDITIONS VARY FROM THOSE SHOWN ON CONSTRUCTION DOCUMENTS.
- D. COORDINATE LOCATIONS OF ALL REQUIRED UTILITIES WITH THE TRADE PROVIDING THE SAME. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- E. FASTEN ALL TALL CASES TO THE ADJOINING WALL THROUGH THE BACK OR SIDE OF THE UNIT.
- F. ALL COUNTERTOPS INSTALLED ALONG A WALL OR EQUIPMENT ARE TO HAVE 4" BACKSPLASH AND SIDE SPLASH UN.
- G. FINISH ALL EXPOSED ENDS AND BACKS OF FREESTANDING CASEWORK/ MILLWORK.
- H. PROVIDE LOCKS ON ALL CABINET DOORS AND DRAWERS UN. ALL LOCKS SHOULD BE KEYPED ALIKE BY ROOM. PROVIDE MASTER KEYING.
- I. REFER TO A8.1 ROOM FINISH SCHEDULE FOR COLORS AND FINISHES OF MATERIALS
- J. REFER TO PLANS, SECTIONS AND DETAILS FOR CASEWORK DEPTH.
- K. PROVIDE CABINET FILLERS AS NEEDED.
- L. FURNITURE AND SPECIALTY EQUIPMENT BY OTHERS SHOWN FOR REFERENCE ONLY.
- M. FURNITURE SHOWN AT HALFTONE BY OWNER
- N. PROVIDE PARTITION REINFORCEMENT AT LOCATIONS OF WALL MOUNTED EQUIPMENT. REFER TO DETAIL X1.X.X FOR TYPICAL REQUIREMENTS AT NEW CONSTRUCTION. CONDITIONS MAY VARY AT EXISTING PARTITIONS.
- O. NOT ALL SIGN LOCATIONS ARE ELEVATED
- P. COORDINATE LOCATIONS OF ALL REQUIRED UTILITY CONNECTIONS AND/OR REQUIREMENTS WITH THE TRADE PROVIDING THE SAME

LEGEND

INTERIOR ELEVATIONS

- NOTE: NOT ALL SYMBOLS MAY BE USED
- XXXX 06 4023 CASEWORK / MILLWORK TAG
 - XXXX 10 1100 VISUAL DISPLAY SURFACE MK- MARKERBOARD, TK-TACKBOARD XXXX INDICATES BOARD SIZE
 - XXXX SPECIALTY EQUIPMENT BY OTHERS REFER TO FF&E OR TECHNOLOGY PACKAGES
 - XX-XX ACCENT MATERIAL. REFER TO COLOR CODES

LEGEND

ELEVATION MATERIALS

- NOTE: NOT ALL SYMBOLS MAY BE USED
- 09 2900 GYP BOARD

Project Title

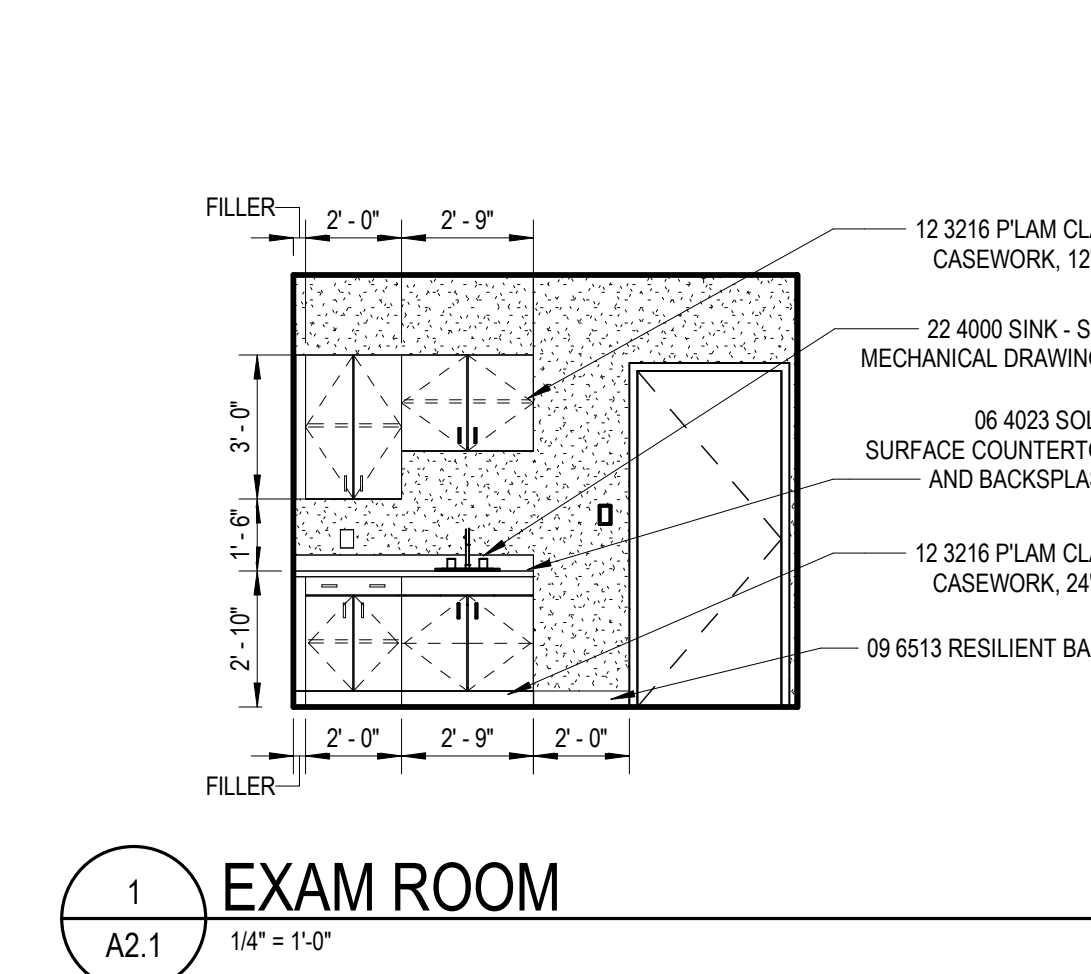
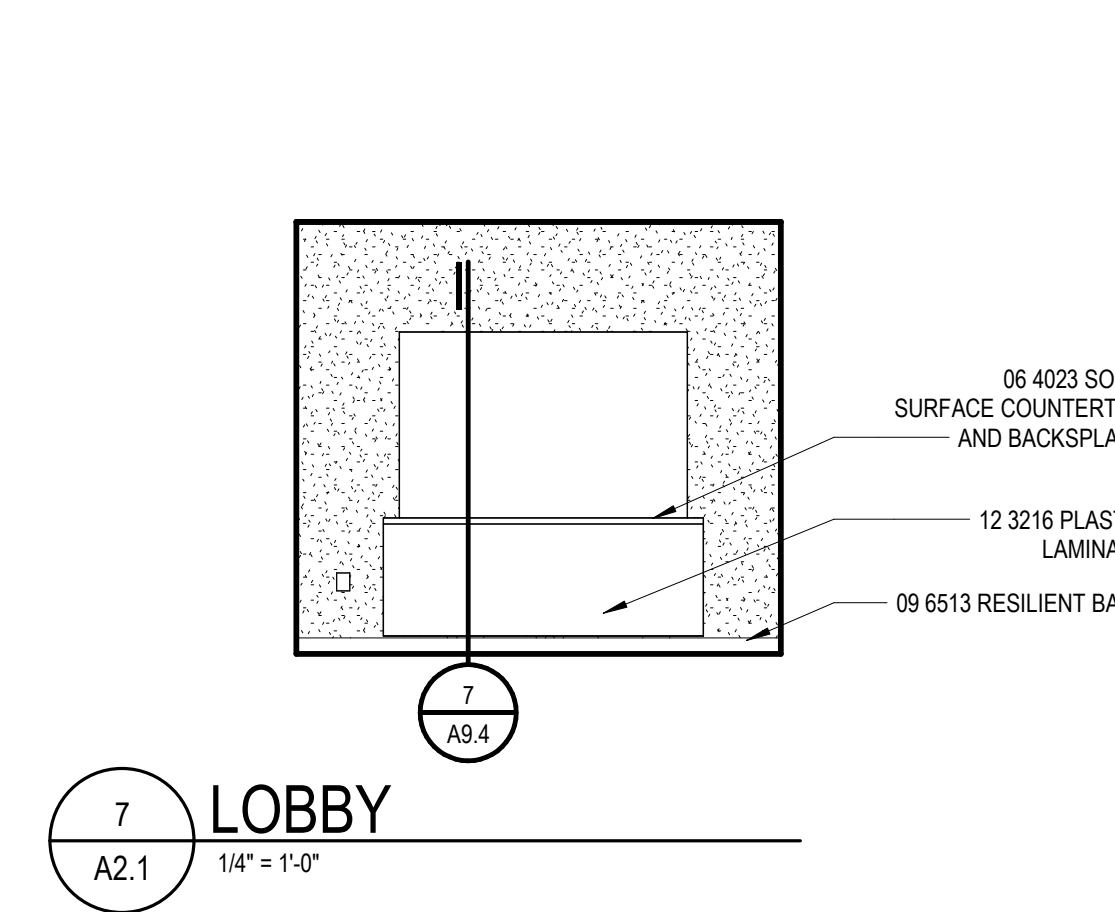
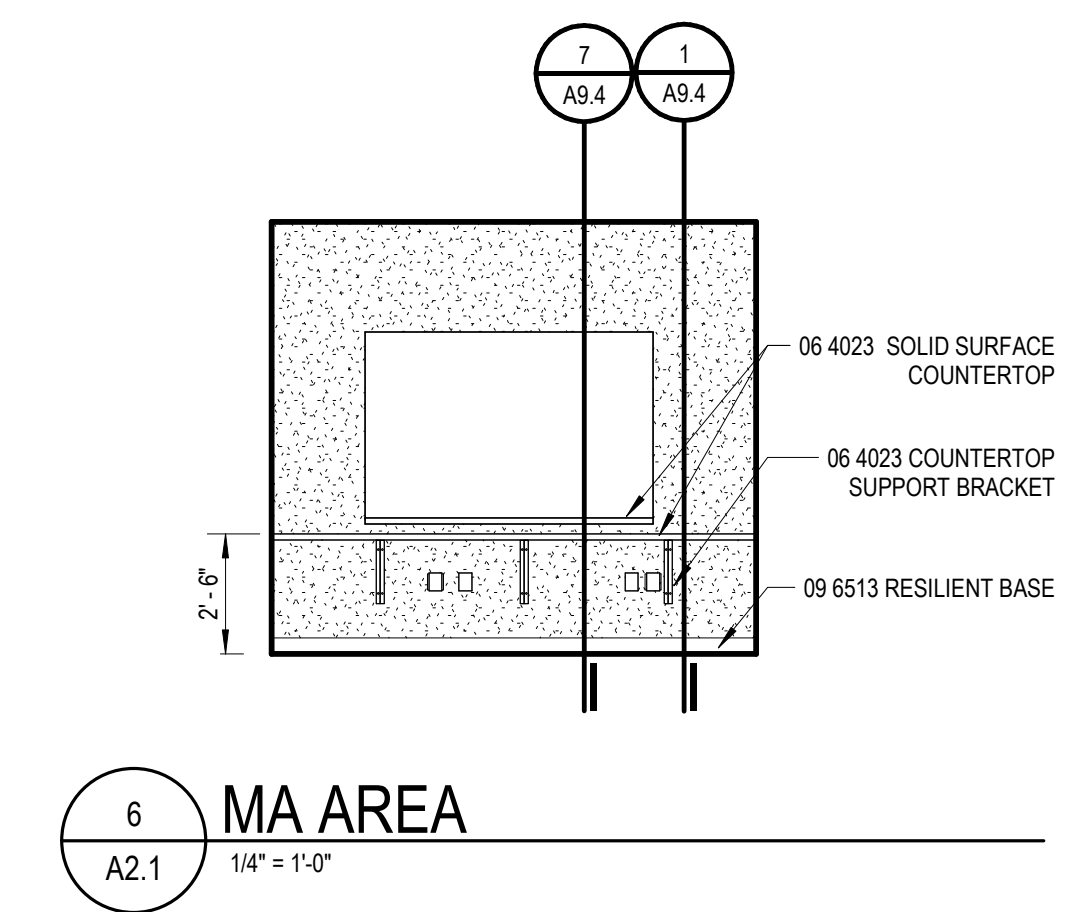
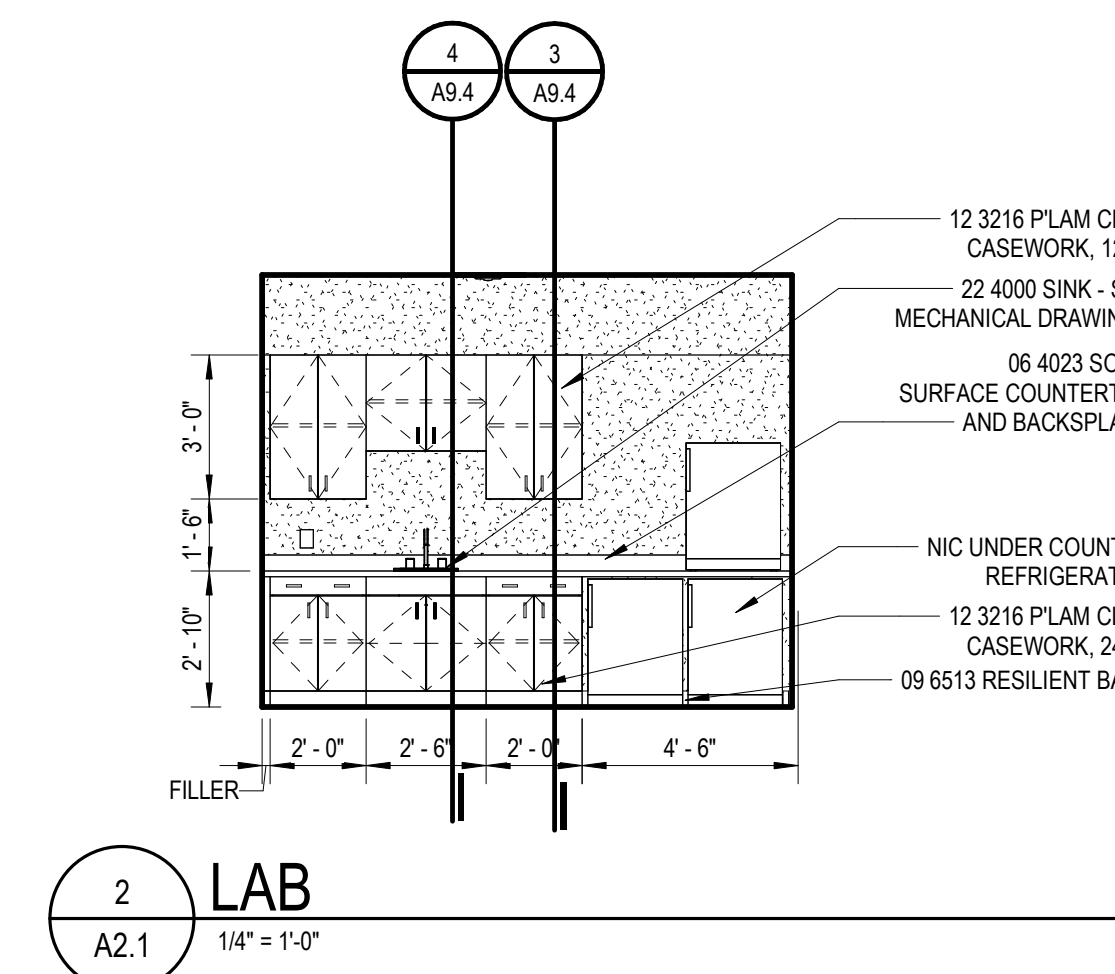
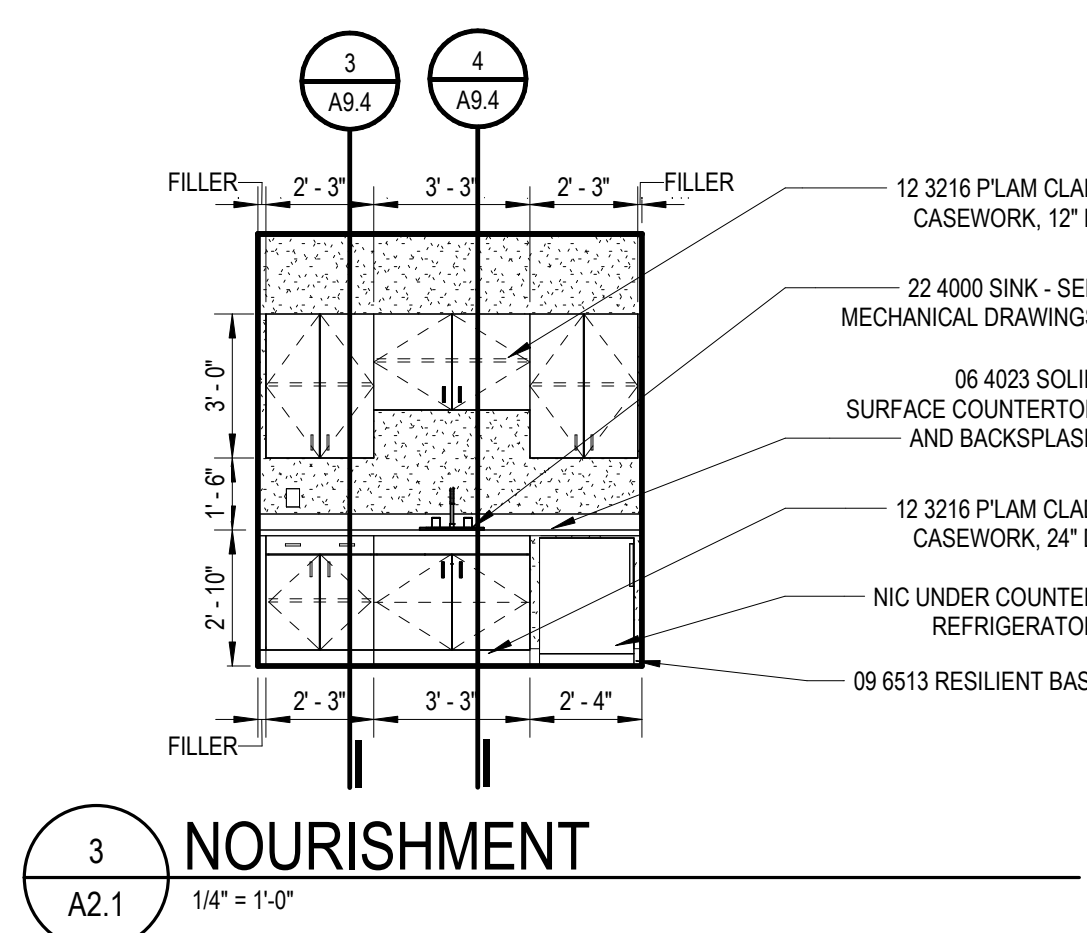
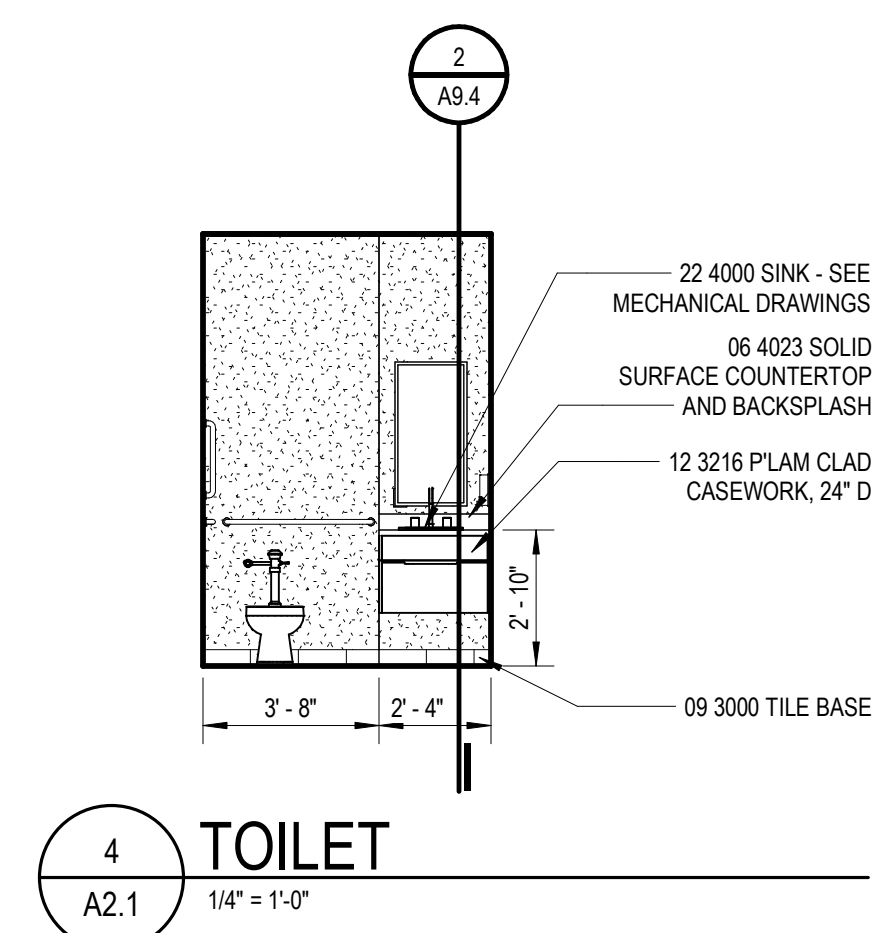
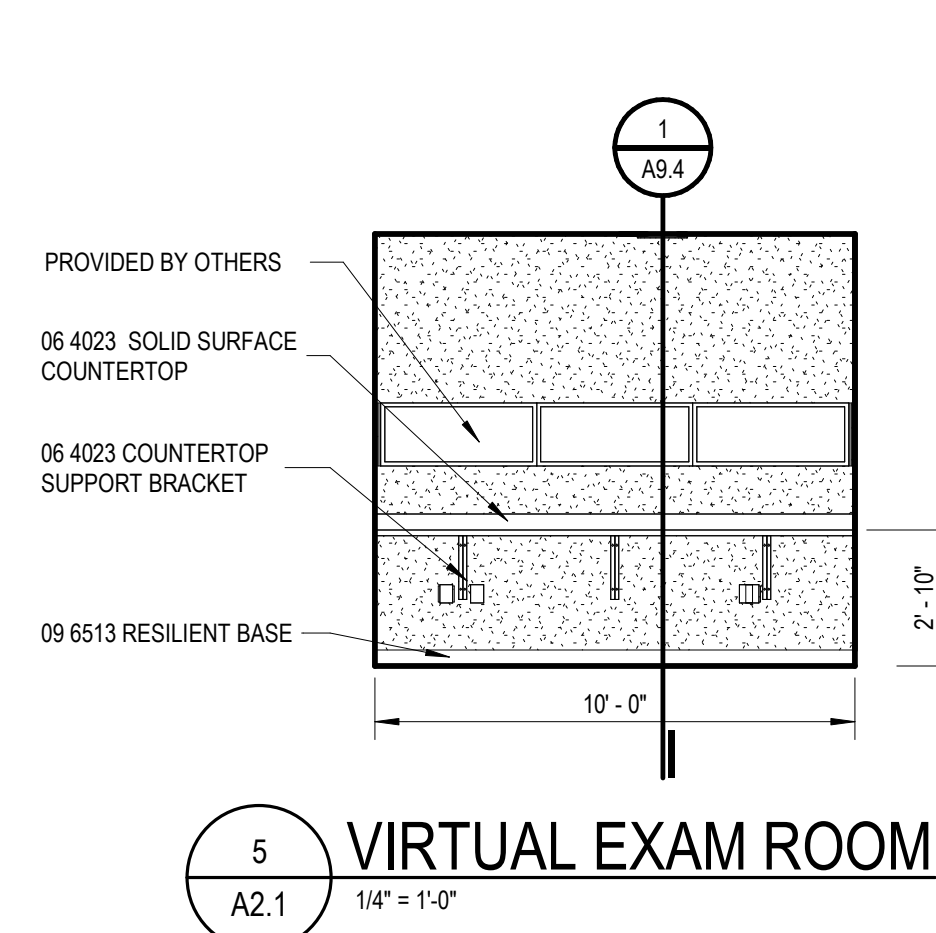


Van Buren Public Schools

RAHS Belleville High School

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Drawn By	D. Sandle
Q.M. Review	
Approved	
Drawing Scale	As Noted
Issued for	Issue Date
Design Development	07-03-2024

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SCHEDULE - ROOM FINISH						
NUMBER	NAME	FLOOR	BASE	WALL	CEILING	REMARKS
101	STORAGE	LVT-01	B-01	PT-01	AC-01	4
102	NOURISHMENT	LVT-01	B-01	PT-01	AC-01	1,4
103	EXAM NO. 1	LVT-01	B-01	PT-01,PT-02	AC-01,GYP-01,PT-04	1,4
104	EXAM NO.2	LVT-01	B-01	PT-01,PT-02	AC-01,GYP-01,PT-04	1,4
105	MA AREA	LVT-01	B-01	PT-01	AC-01	1,4
106	LOBBY/RECEPTION	LVT-01	B-01	PT-01	AC-01	4,5
107	VIRTUAL EXAM ROOM	LVT-01	B-01	PT-01,PT-02	AC-01	1,4
108	LAB	LVT-01	B-01	PT-01,PT-02	AC-01,GYP-01,PT-04	1,4
109	TOILET	FT-01	B-02	PT-01,PT-02	GYP-01,PT-04	4,6
110	STORAGE	LVT-01	B-01	PT-01	GYP-01	1
111	PATIENT INTAKE	LVT-01	B-01	PT-01,PT-02	AC-01	
112	CIRCULATION	LVT-01	B-01	PT-01	AC-01	1
H118	AV EQUIPMENT	CPT-02,(E)	(E)	PT-03	(E)	2
H120	THERAPY / SOCIAL WORK	CPT-01	B-01	PT-01	AC-01	4,5,8
H136	SCHOOL STORE	CPT-02,(E)	(E)	(E)	(E)	2

ABBREVIATIONS

ROOM FINISH SCHEDULE	
AC PANEL	ACOUSTICAL PANEL
ACT	ACOUSTICAL CEILING TILE
CC	COLOR CODE
CG	CORNER GUARD
CMU	CONCRETE MASONRY UNIT
CT	CERAMIC TILE
CEM PLAS	CEMENT PLASTER
CONC	CONCRETE
DEFS	DIRECT APPLIED EXTERIOR FINISH SYSTEM
(E)	EXISTING FINISH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EPT	EPOXY PAINT
E TERR	EPOXY TERRAZZO
ENTR MAT	ENTRY MAT SYSTEM
EXP CONST	EXPOSED CONSTRUCTION
FWC	FABRIC WALL COVERING
GF CMU	GROUND FACE CONCRETE MASONRY UNIT
GL CMU	GLAZED CONCRETE MASONRY UNIT
GYP BD	GYPSUM BOARD
HDLSLR	HARDENER SEALER
IR GYP BD	IMPACT RESISTANT GYPSUM BOARD
LIMEST	LIMESTONE
LNO	LINOLEUM
MCC	MULTI-COLORED COATING
MTL	METAL
MTL PNL	METAL PANEL
P LAM	PLASTIC LAMINATE
PAVER T	PAVER TILE
PLAS	PLASTER
POL CONC	POLISHED CONCRETE
PORC T	PORCELAN TILE
PT	PAINT
QT	QUARRY TILE
RAF	RAISED ACCESS FLOORING
RT	RUBBER TILE
RESIN FLR	RESINOUS FLOORING
RESL	RESILIENT
SGFT	STRUCTURAL GLAZED FACING TILE
SHT V	SHEET VINYL
SSM	SOLID SURFACE MATERIAL
ST STL	STAINLESS STEEL
STN	STAIN
TC	TRAFFIC COATING
TERR	TERRAZZO
VOT	VINYL COMPOSITION TILE
VWC	VINYL WALLCOVERING
VEN PLAS	VENEER PLASTER
WD	WOOD

SCHEDULE - COLOR CODES							
COLOR CODES	PRODUCT / MATERIAL	MANUFACTURER	PRODUCT NAME / NUMBER	COLOR NAME / NUMBER	SIZE	FINISH	NOTES
(E)	EXISTING FINISH						
AC-01	ACOUSTICAL PANEL						
B-01	RESILIENT BASE						
B-02	TILE BASE						
CG-01	CORNER GUARD						
CPT-01	CARPET (TILE/ BROADLOOM)						
CPT-02	CARPET (TILE/ BROADLOOM)			MATCH EXISTING			
FT-01	FLOOR TILE						
GYP-01	GYPSUM BOARD						
LVT-01	LUXURY VINYL TILE						
PL-01	PLASTIC LAMINATE						
PT-01	PAINT						FIELD
PT-02	PAINT						ACCENT
PT-03	PAINT			MATCH EXISTING			
PT-04	PAINT						CEILING
SC-01	SHADE CLOTH	DRAPER	FLEXSHADE ASCEND				MOUNTING- FASCIA WITH ENDCAPS
SS-01	SOLID SURFACE MATERIAL						
WD-01	WOOD						

GENERAL NOTES

- * REFER TO ABBREVIATIONS LIST FOR MATERIAL CODE DESCRIPTIONS
- A. "ROOM NUMBER AND ROOM NAME" CORRESPOND TO THE NUMBER AND NAMES INDICATED ON THE SHEETS
- B. "MATERIAL/FINISH" INDICATE THE SPECIFIC MATERIALS AND FINISHES TO BE USED TO CONSTRUCT AND FINISH THE FLOORS, BASE, WALLS AND CEILINGS.
- C. "CC" INDICATES THE COLOR CODE FOR EACH MATERIAL AND/OR FINISH, REFER TO "COLOR CODES"
- D. "REMARKS" INDICATES ANY SPECIAL REQUIREMENTS FOR THE MATERIAL AND FINISH IN A ROOM - SEE "ROOM FINISH SCHEDULE REMARKS"
- E. "CEILING" IS THE MATERIAL AND FINISH AT THE UNDERSIDE OF THE FLOOR OR ROOF ABOVE. "SOFFIT" IS THE MATERIAL AND FINISH AT THE UNDERSIDE OF THE STAIR RUN.
- F. REFER TO A10 SERIES FOR FLOOR TILE PATTERNS AND MATERIALS.
- G. REFER TO A8 SERIES FOR INTERIOR ELEVATIONS.
- H. "E" PREFIX TO THE "PT" CODE REFER TO EPOXY PAINT MATERIAL (E-PT-XX)

REMARKS

- ROOM FINISH SCHEDULE**
1. PL-01 PLASTIC LAMINATE, SS-01 SOLID SURFACE
 2. CPT-02 AT AREAS EFFECTED BY FLOOR TRENCHING
 3. PT-03 AT DOOR INFILL LOCATIONS
 4. TOUCH UP PAINT REQUIRED. PATCH/REPAIR/PAINT ALL LOCATIONS WHERE WALL MOUNTED ITEMS ARE REMOVED, INCLUDING BUT NOT LIMITED TO CLOCKS, ALARMS, WIREWAYS, ETC. OR WHERE SELECTIVE DEMOLITION OCCURS - COORDINATE EXTENTS WITH DEMO AND NEW WORK.
 5. TRANSITION AT CARPET TO LVT OR CARPET TO EXISTING TO BE SCHLUTER RENO U AEU 100 IN SATIN ANODIZED ALUMINUM
 6. GROUT AT FLOOR TILE TO BE XXX. TRANSITION AT CERAMIC FLOOR TILE TO BE MARBLE THRESHOLD
 7. SC-01 TO BE MOUNTED WITH FASCIA WITH ENDCAPS IN THE COLOR CLEAR ANODIZED

Project Title



Van Buren Public Schools

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IDS Drawing Title

Room Finish Schedule

Project Number

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Drawing Number

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SCHEDULE - WINDOW SHADES									
TYPE	LENGTH	WIDTH	HOUSING	MANUFACTURER	MATERIAL	MECHANISM	MOUNTING		
W1.1	4'-0"	6'-0"	0"	DRAPER	SC-01	MANUAL - SINGLE ROLLER	OUTSIDE TOP MOUNT, SMALL HEADBOX		
W2.3	4'-0"	3'-0"	0"	DRAPER	SC-01	MANUAL - SINGLE ROLLER	OUTSIDE TOP MOUNT, SMALL HEADBOX		

DOOR SCHEDULE																			
DOOR NUMBER	SIZE				DOOR				FRAME				DETAILS		HARDWARE SET	DOOR ASSEMBLY RATING	WALL RATING	REMARKS	
	WIDTH	LEAF 1	LEAF 2	HEIGHT	TYPE	MATERIAL	FINISH / CC	FRGM	TYPE	MATERIAL	FINISH / CC	FRGM	HEAD	JAMB					
101	3'-0"	3'-0"	3'-0"	7'-0"	F	WD			A	HM			4/A9.2	4/A9.2					
103	3'-0"	3'-0"	3'-0"	7'-0"	F	WD			A	HM			4/A9.2	4/A9.2					
104	3'-0"	3'-0"	3'-0"	7'-0"	F	WD			A	HM			4/A9.2	4/A9.2					
106	3'-0"	3'-0"	3'-0"	7'-0"	G	WD			A	HM			4/A9.2	4/A9.2					
107	3'-0"	3'-0"	3'-0"	7'-0"	N	WD			A	HM			4/A9.2	4/A9.2					
108	3'-0"	3'-0"	3'-0"	7'-0"	N	WD			A	HM			4/A9.2	4/A9.2					
109	3'-0"	3'-0"	3'-0"	7'-0"	F	WD			A	HM			4/A9.2	4/A9.2					
110	3'-0"	3'-0"	3'-0"	7'-0"	F	WD			A	HM			4/A9.2	4/A9.2					
112	3'-0"	3'-0"	3'-0"	7'-0"	G	WD			A	HM			4/A9.2	4/A9.2					

GENERAL NOTES

- DOOR SCHEDULE**
- REFER TO THE DRAWINGS FOR DOOR LOCATIONS
 - "DOOR NUMBER" CORRESPONDS TO THE DOOR NUMBER INDICATED ON THE DRAWINGS. NOTE: AT EXISTING WALL OPENINGS, FIELD VERIFY SIZE OF DOORS AND FRAMES.
 - (DOOR) "SIZE" INDICATES THE NOMINAL WIDTH AND HEIGHT OF THE DOOR IN FEET AND INCHES. ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
 - "DOOR AND FRAME TYPE/MATERIAL/FINISH" INDICATES THE CODES FOR TYPE (INDICATED ON THE DRAWINGS), MATERIAL AND FINISH.
 - "CC" INDICATES THE COLOR CODE FOR FINISHES OF DOORS AND FRAMES. SEE "SCHEDULE - COLOR CODES".
 - "DETAILS HEAD - JAMB-SILL" INDICATES THE DETAIL NUMBER INDICATED ON THE DRAWINGS.
 - "HARDWARE SET" INDICATES HARDWARE SET NUMBERS SPECIFIED IN 08 7100 - DOOR HARDWARE.
 - "DOOR ASSEMBLY RATING" INDICATES THE MINIMUM FIRE RESISTANCE RATING FOR FIRE DOORS AND/OR SIDELITES.
 - "WALL RATING" INDICATES THE FIRE RESISTANCE RATING OF THE WALL CONTAINING THE DOOR.
 - "FRGM" INDICATES FIRE-RATED GLAZING MARKINGS.
 - "REMARKS" INDICATES ANY SPECIAL REQUIREMENTS FOR A DOOR AND FRAME - SEE "DOOR SCHEDULE - REMARKS".

REMARKS

- DOOR SCHEDULE**
- ACCESS CONTROL SYSTEM
 - REMOVABLE MULLION
 - LOW ENERGY POWER OPERATED DOOR
 - POWER OPERATED DOOR PACKAGE DOOR ASSEMBLY (ALL HARDWARE BY DOOR MANUFACTURER)
 - HOLLOW METAL ASTRAGAL

FIRE-RATED GLAZING ASSEMBLIES MARKING

W	MEETS WALL ASSEMBLY CRITERIA
OH	MEETS FIRE WINDOW ASSEMBLY CRITERIA INCLUDING THE HOSE STREAM TEST
D	MEETS FIRE DOOR ASSEMBLY CRITERIA
H	MEETS FIRE DOOR ASSEMBLY "HOSE STREAM" TEST
T	MEETS 450 DEG F TEMPERATURE RISE CRITERIA FOR 30 MINUTES
NT	DOES NOT MEET 450 DEG F TEMPERATURE RISE CRITERIA FOR 30 MINUTES
XXX	TIME IN MINUTES OF THE FIRE RESISTANCE OR FIRE PROTECTION RATING OF THE GLAZING ASSEMBLY

ABBREVIATIONS

DOOR SCHEDULE	
ALUM	ALUMINUM
ANDZ	ANODIZED
CC	COLOR CODES
(E)	EXISTING
FBR	FIBERGLASS
FRP	FIBERGLASS REINFORCED PANEL
FAC	FACTORY
GL	GLASS
180	180 MINUTES (3 HOUR)
90	90 MINUTES (1 1/2 HOUR)
60	60 MINUTES (1 HOUR)
45	45 MINUTES (3/4 HOUR)
20	20 MINUTES (1/2 HOUR)
HM	HOLLOW METAL
HW	HARDWARE
MATL	MATERIAL
P LAM	PLASTIC LAMINATE
PT	PAINT
PVF	POLYVINYL FLUORIDE COATING (KYNAR)
STN	STAIN
ST STL	STAINLESS STEEL
STL	STEEL
WD	WOOD
WM	WIRE MESH



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Van Buren Public Schools

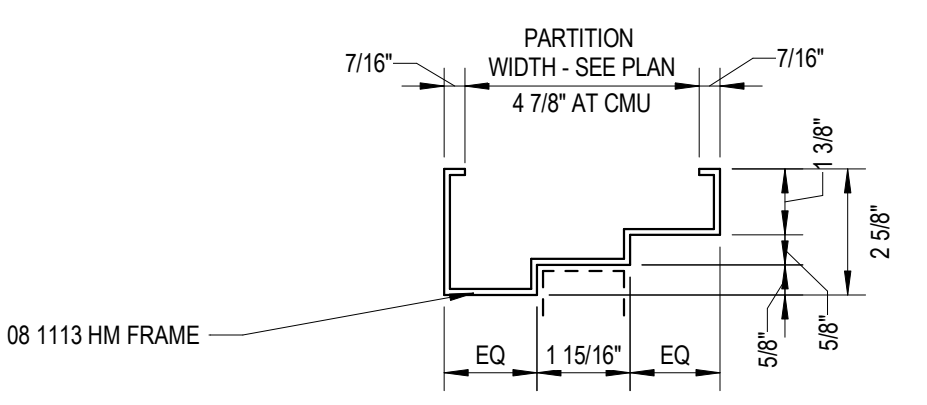
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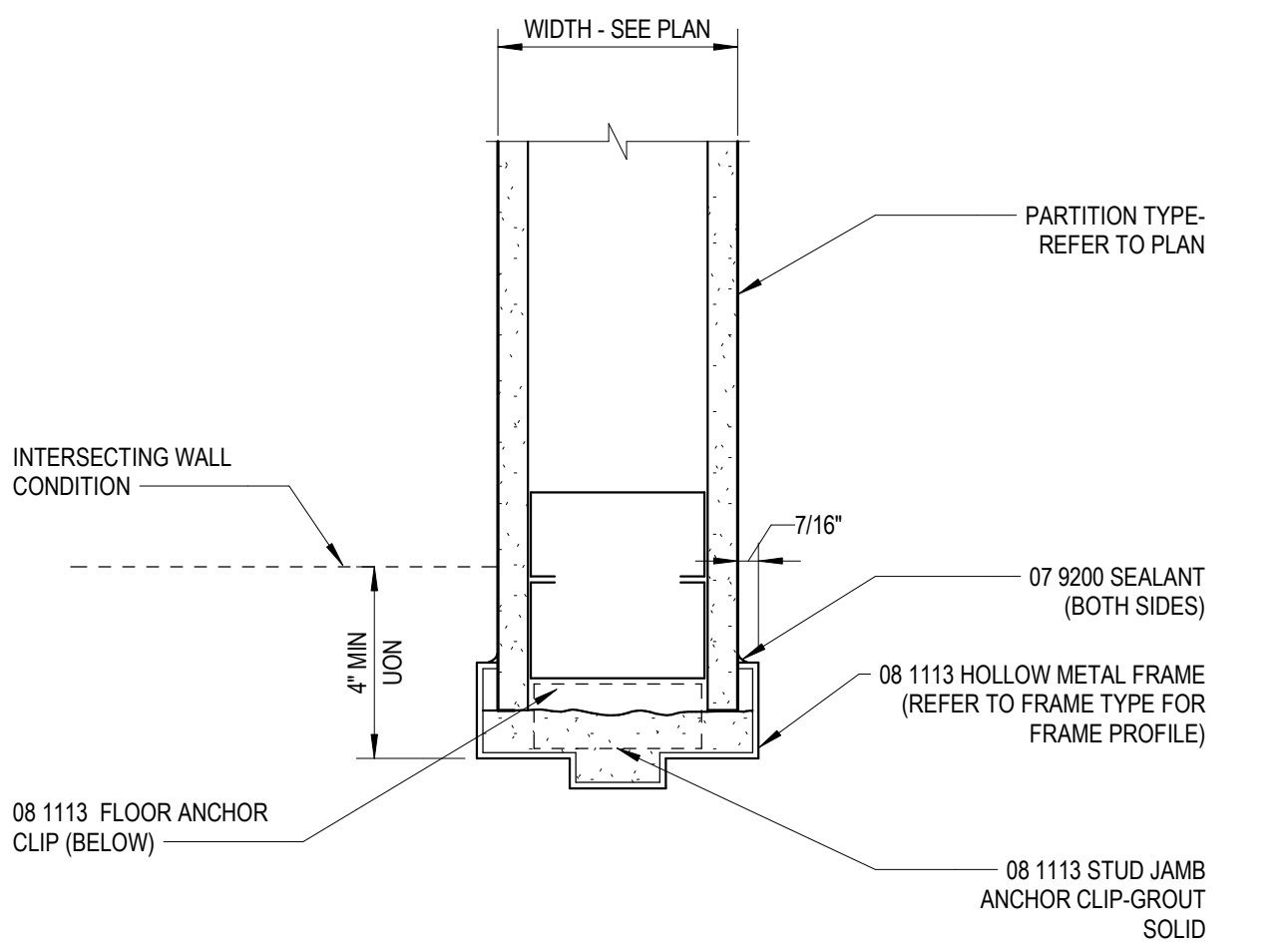
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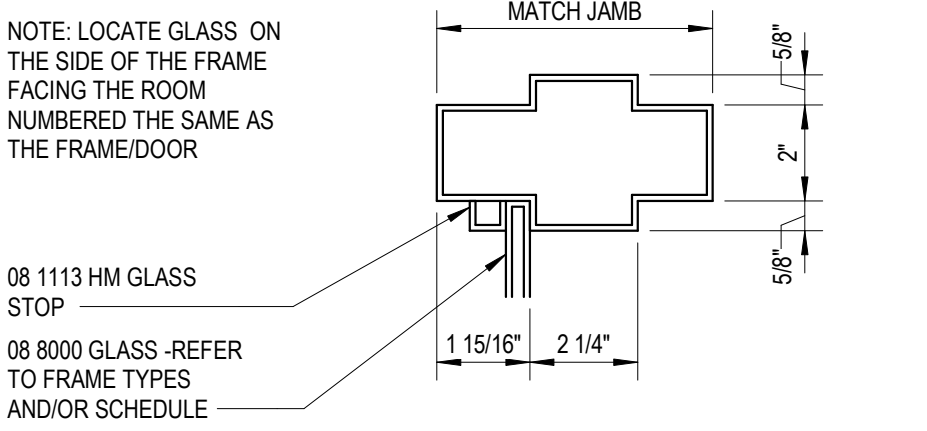
11 FRAME - DOUBLE EGRESS HEAD
 DR SCHED 3" x 1'-0"



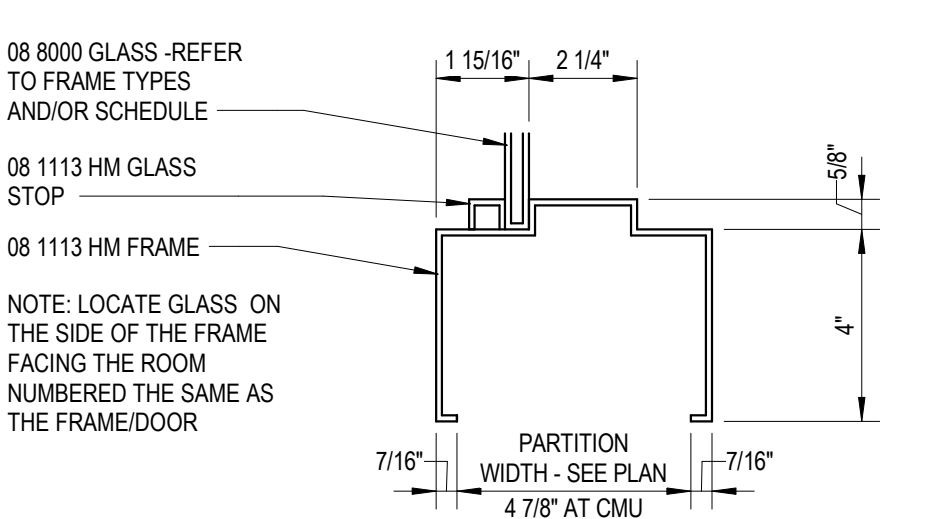
10 FRAME - DOUBLE EGRESS JAMB
 DR SCHED 3" x 1'-0"



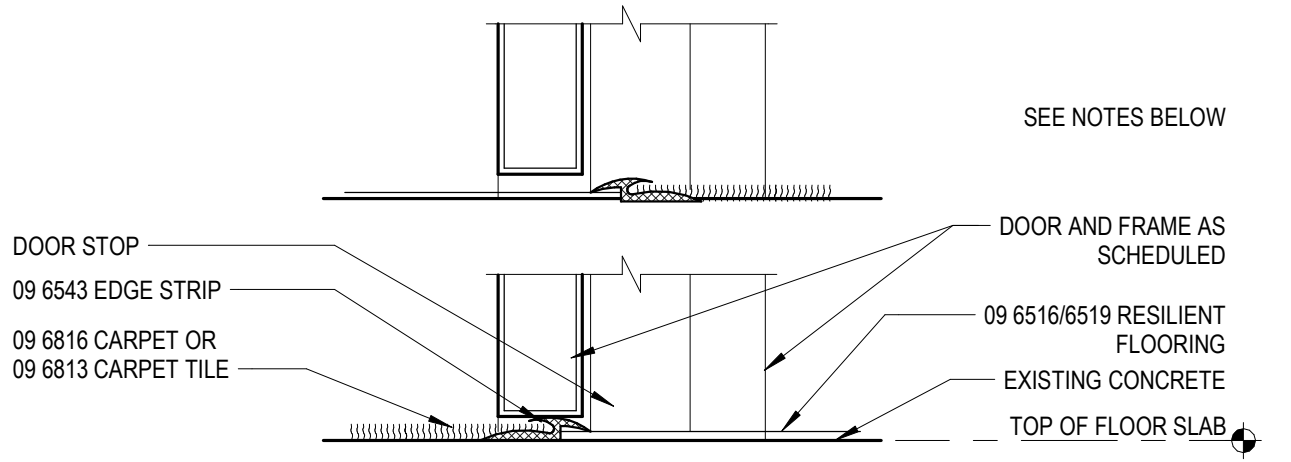
4 JAMB(HEAD SIM)
 3" x 1'-0"



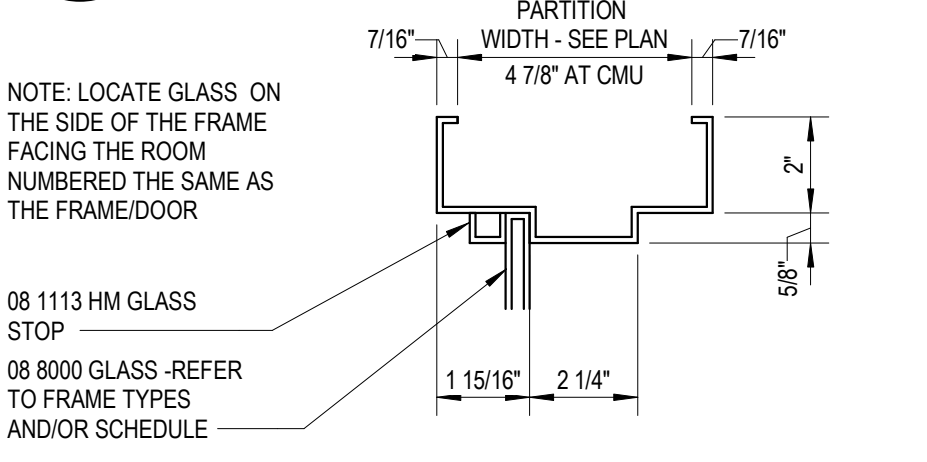
9 FRAME - HM W/ GLASS
 DR SCHED 3" x 1'-0"



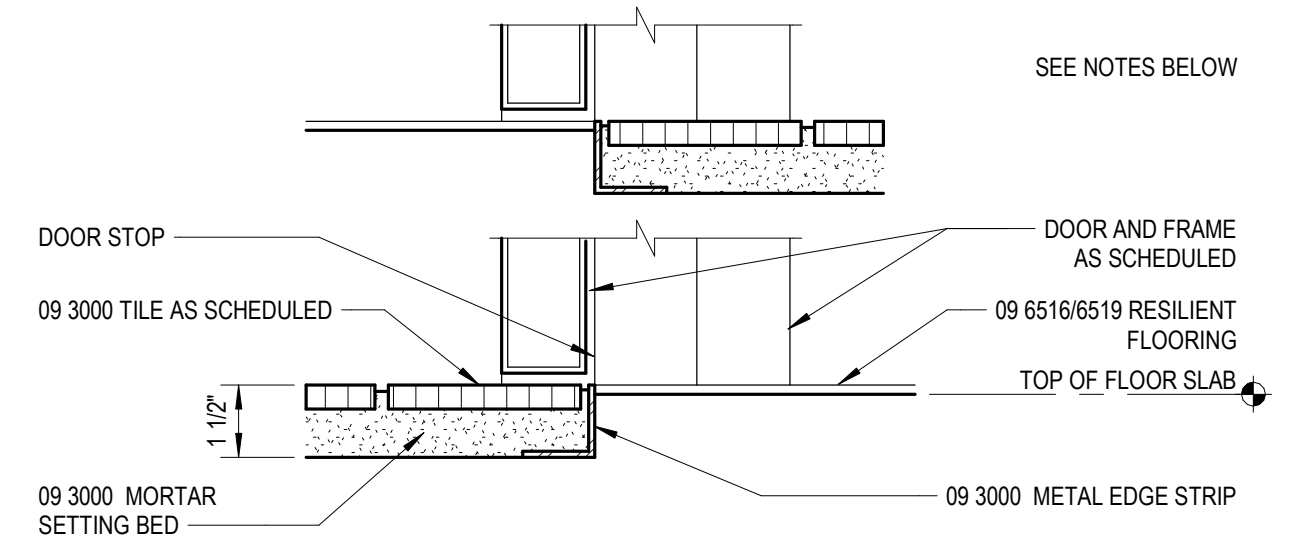
8 FRAME - HM W/ GLASS
 DR SCHED 3" x 1'-0"



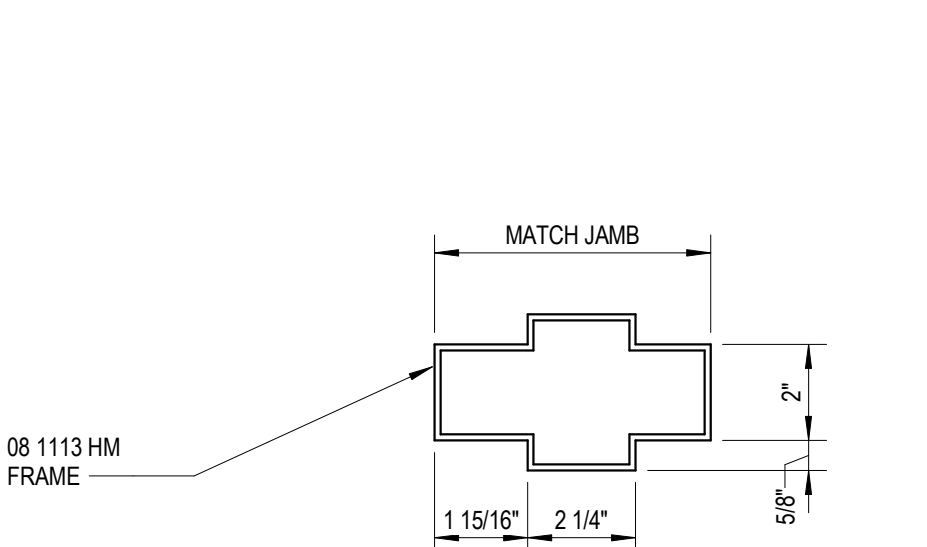
3 SILL
 3" x 1'-0"



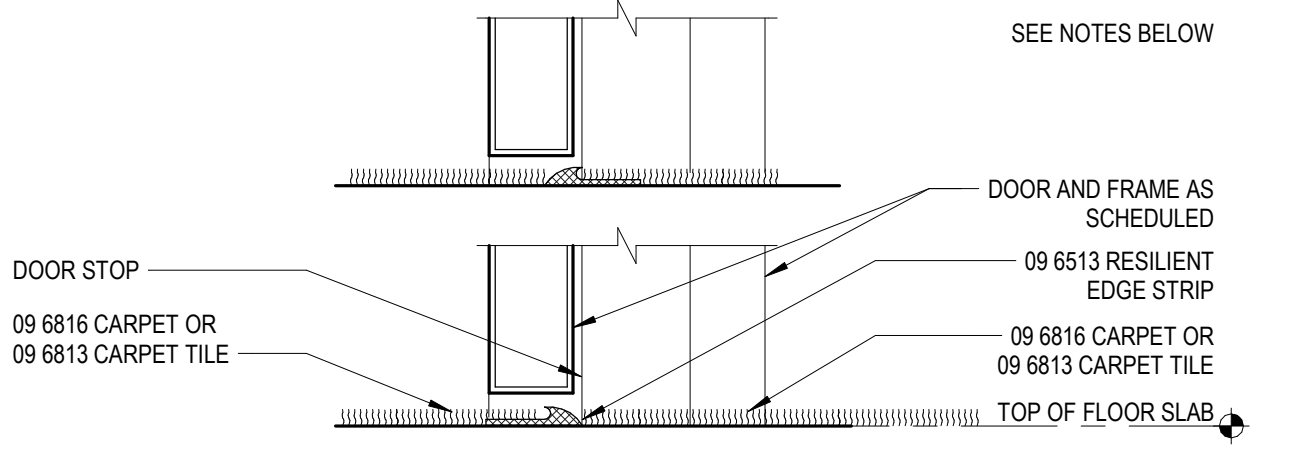
7 FRAME - HM W/ GLASS
 DR SCHED 3" x 1'-0"



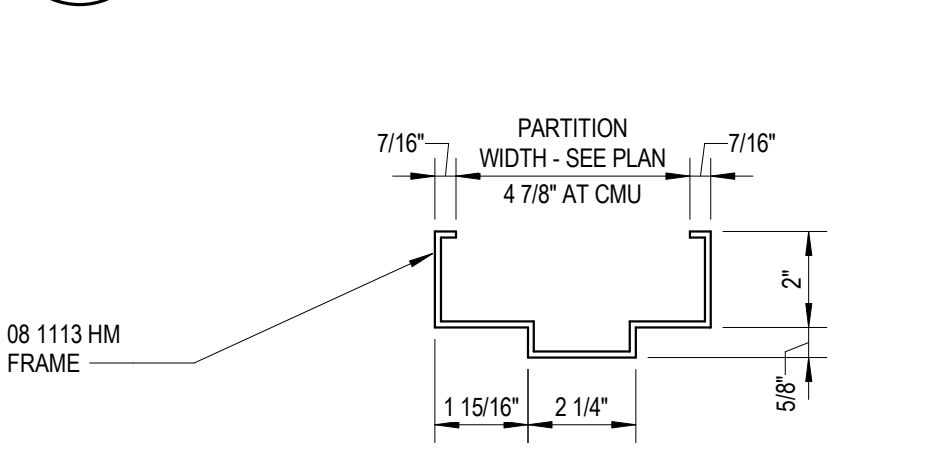
2 SILL
 3" x 1'-0"



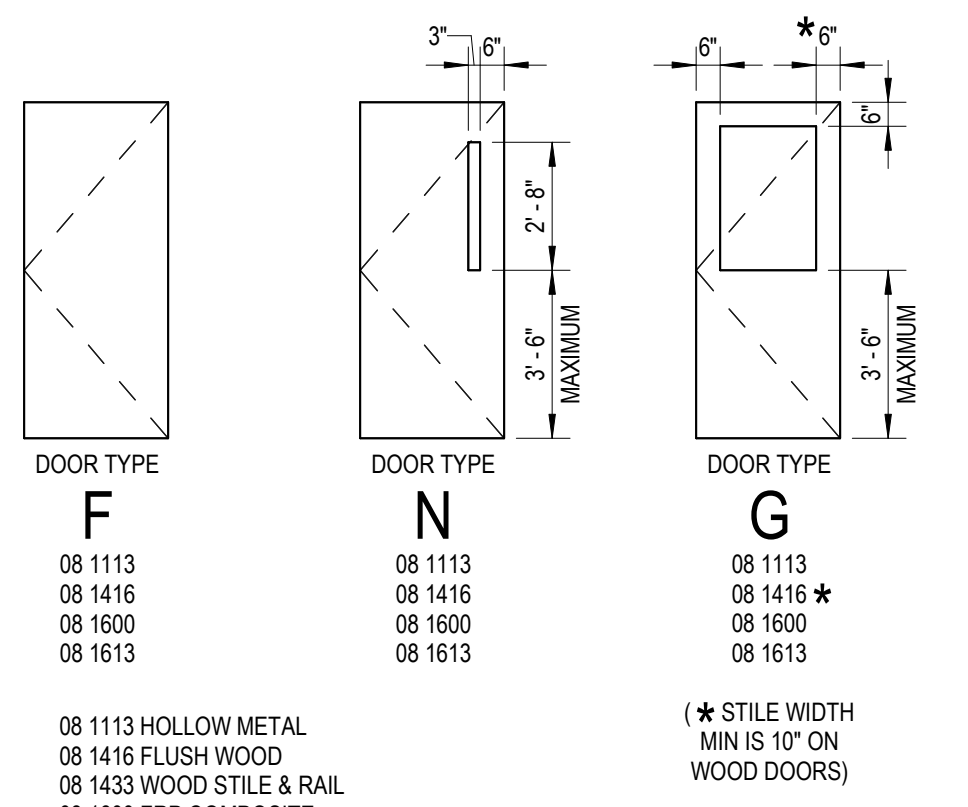
6 FRAME - HM
 DR SCHED 3" x 1'-0"



1 SILL
 3" x 1'-0"

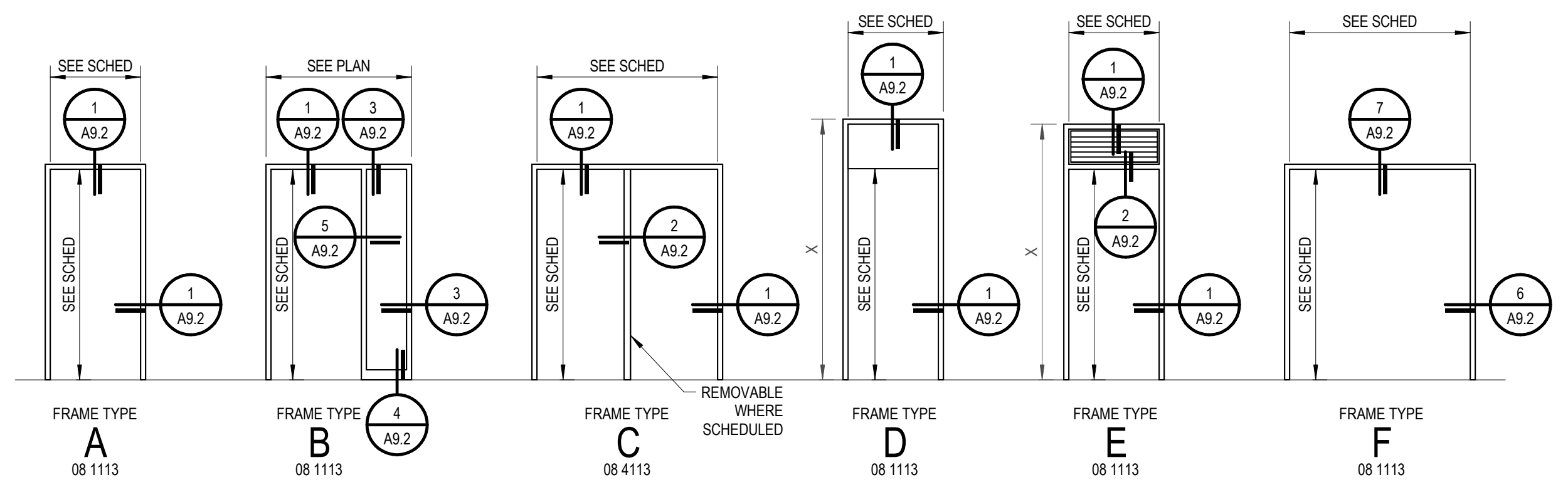


5 FRAME - HM
 DR SCHED 3" x 1'-0"



DOOR TYPES
 1/4" = 1'-0"

NOTE: ALL GLASS TO BE 1/4" SAFETY GLASS EXCEPT USE FIRE RATED GLASS AT FIRE RATED DOORS, SIDELITES, ETC., UON



FRAME TYPES

NOTE: ALL GLASS TO BE 1/4" SAFETY GLASS EXCEPT USE FIRE RATED GLASS AT FIRE RATED DOORS, SIDELITES, ETC., UON

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Door Schedule and Details

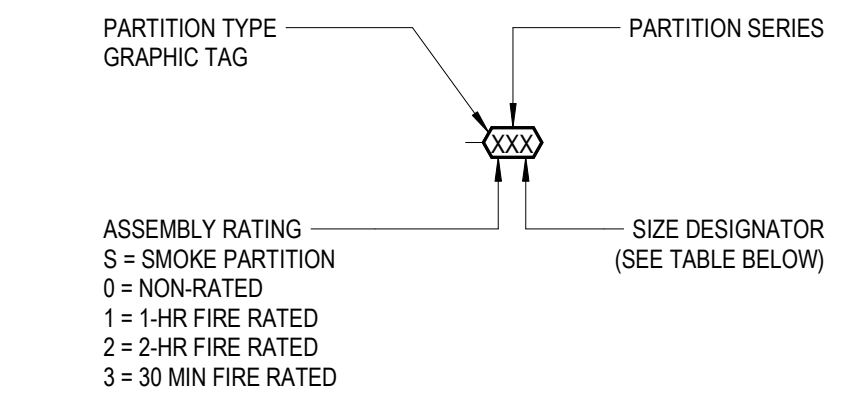
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24167-1000 A9.2

GENERAL NOTES

INTERIOR PARTITIONS

- "WALL" AND "PARTITION" ARE USED TO DENOTE EITHER WALLS OR PARTITIONS INTERCHANGEABLY.
- REFER TO SHEET AR-0 - ARCHITECTURAL REFERENCE INFORMATION FOR ABBREVIATIONS, SYMBOLS, AND GRAPHIC INDICATIONS.
- REFER TO COMPOSITE LIFE SAFETY PLANS FOR PARTITION FIRE RATINGS.
- REFER TO ROOM FINISH SCHEDULE FOR WALL FINISHES AND WALL BASE.



MATERIAL	DESIGNATION SIZE	ACTUAL SIZE	SPACING
MASONRY	4	3.58"	N/A
	6	5.98"	
	8	7.58"	
	12	11.58"	
STEEL STUDS	1	1.58"	16" OC
	2	2.12"	
	3	3.58"	
	4	4"	
	6	6"	
FLOORING	0	7/8"	16" OC
	1	1.58"	
	2	2.12"	
	3	3.58"	
SHAFTWALL C-H STUDS	2	2.12"	24" OC
	4	4"	
	6	6"	

- SUBSTITUTE 09 2900 - TILE BACKING BOARD AT LOCATIONS TO RECEIVE A TILE WALL FINISH.
- ALL NON-LOAD BEARING METAL WALL FRAMING SHALL BE BASED ON TOTAL STUD HEIGHT. REFER TO SPECIFICATION SECTIONS 05 4000 - COLD-FORMED METAL FRAMING; 09 2116 - GYPSUM BOARD SHIRT WALL ASSEMBLIES AND 09 2216 - NON-STRUCTURAL METAL FRAMING FOR ADDITIONAL REQUIREMENTS.
- WHERE ROOMS WITH DIFFERENT PARTITION REQUIREMENTS ARE ADJACENT, THE PARTITION WITH THE GREATER FIRE-RATING AND/OR STC SHALL BE USED BETWEEN THEM.
- AT INTERSECTIONS OF DIS-SIMILAR PARTITION TYPES, THE HIGHEST RATED PARTITION IS TO RUN THROUGH THE INTERSECTION TO MAINTAIN ENCLOSURE. MAINTAIN RATING OF RATED PARTITION AT INTERSECTION WITH COLUMN ENCLOSURES BY EXTENDING RATED CLOSURE AS REQUIRED.
- FIRE-RATED PARTITIONS SHALL BE CONSTRUCTED ACCORDING TO THE FIRE TEST INDICATED. NO SUBSTITUTIONS OF MATERIALS OR DEVIATIONS FROM CONSTRUCTION ARE ALLOWED. ADDITIONAL LAYERS MAY BE REQUIRED FOR ACOUSTICAL OR OTHER REASONS AND MUST BE EXECUTED AS SHOWN.
- STC RATINGS ARE MINIMUM ACOUSTICAL PERFORMANCE REQUIREMENT. SPECIFIC ACOUSTICAL TESTS ARE GIVEN FOR REFERENCE ONLY. SOUND ATTENUATION BLANKET THICKNESS SHALL BE AS FOLLOWS:
 - 1 1/2" FOR PARTITIONS WITH 1 5/8" AND 2 1/2" STUDS (INCLUDING SHAFTWALLS).
 - 3" FOR PARTITIONS WITH 3 5/8", 4" OR 6" STUDS.
 - 3" FOR SHAFTWALLS WITH 4" OR 6" STUDS UNO.
 - AS REQUIRED FOR FIRE RATING.
- DETAILS ARE DIAGRAMMATIC - PRECISE REQUIREMENTS OF TESTS ASSEMBLIES SHALL GOVERN.

Project Title

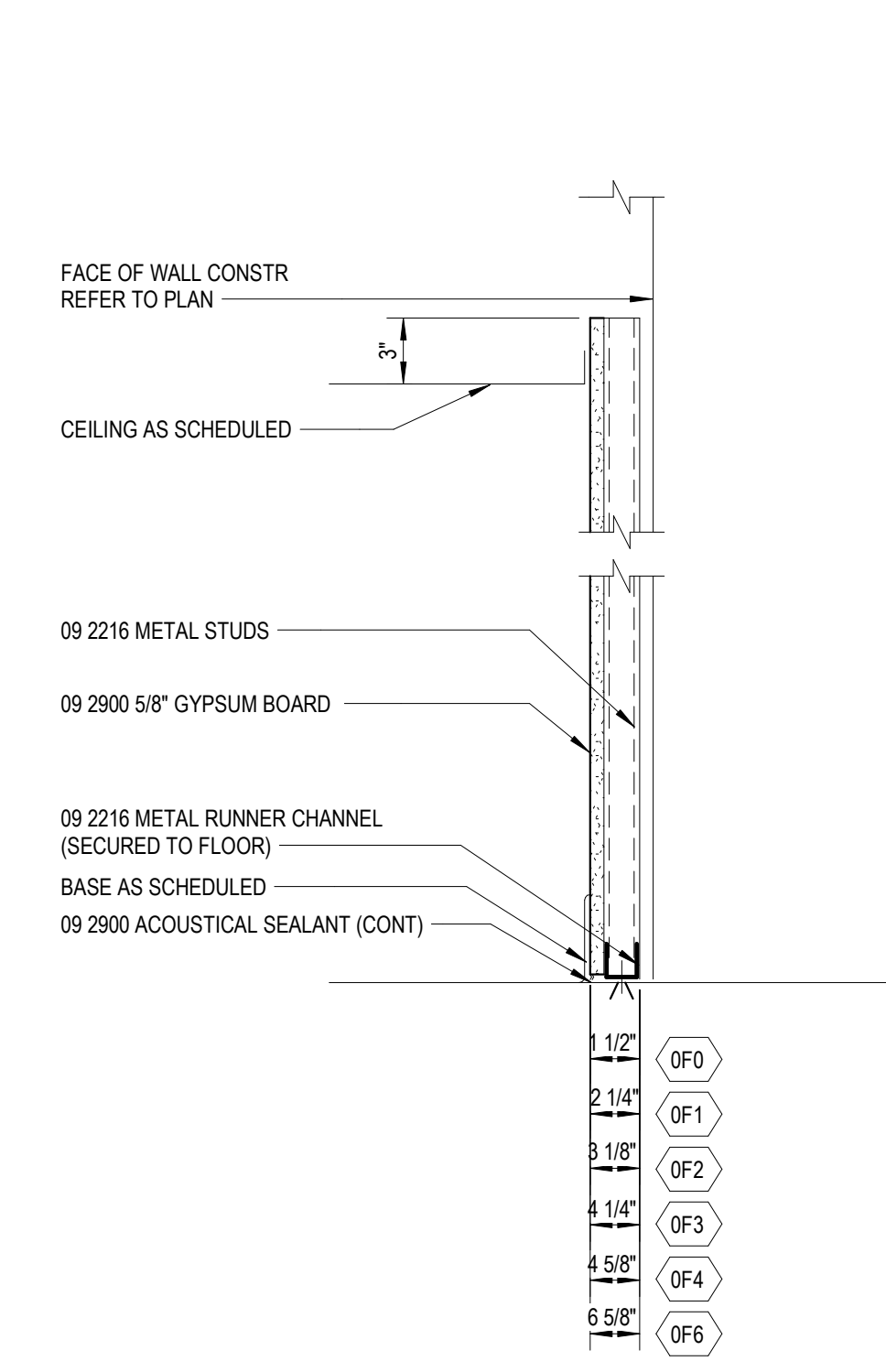


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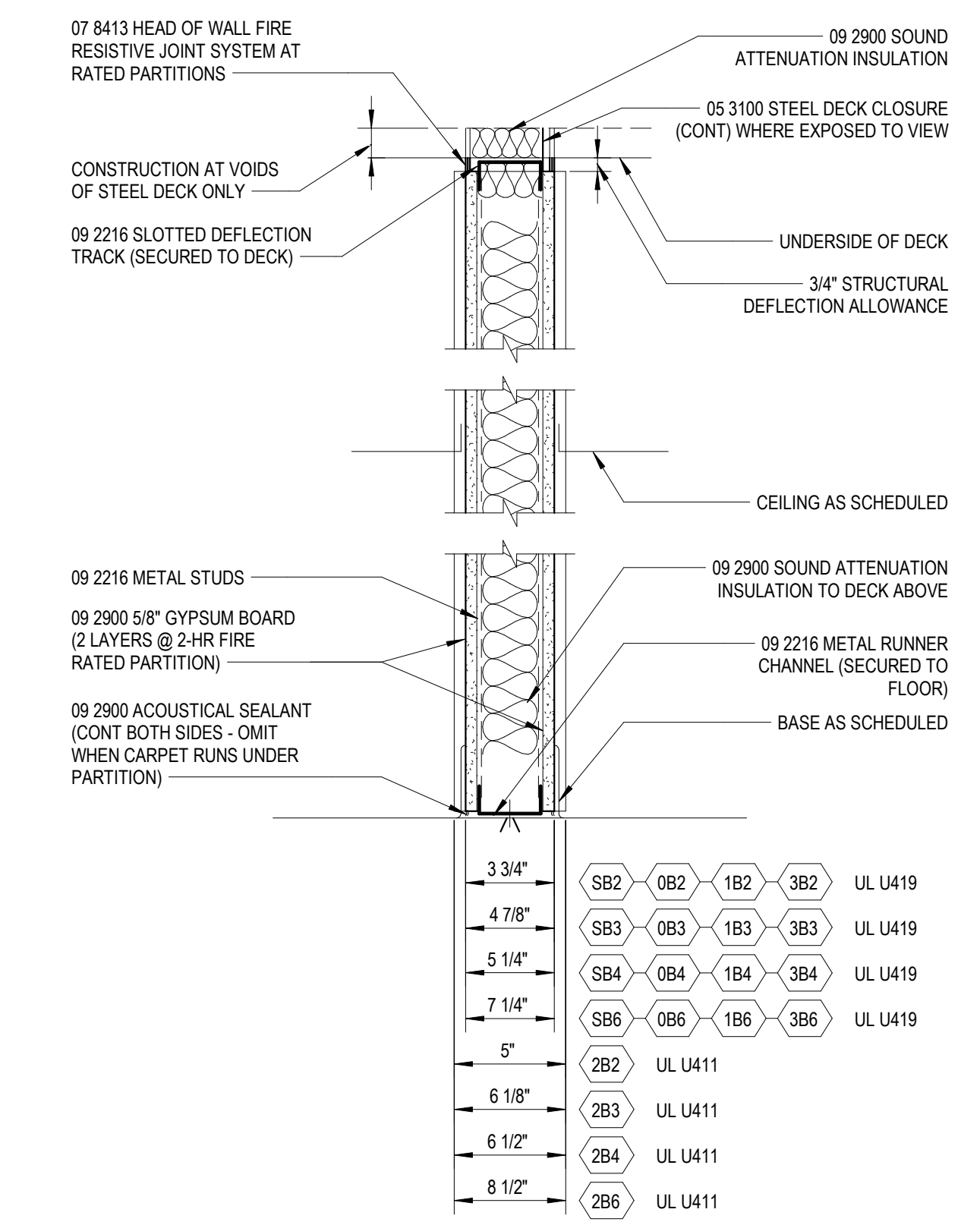
RAHS Belleville High School

501 W Columbia Ave
 Belleville, MI 48111

Key Plan



PARTITION SERIES 'F'



PARTITION SERIES 'B'

Project Administrator

A. Maurer

Project Designer

A. Pfeiffer

Project Architect / Engineer

C. King

Drawn By

A. Pfeiffer

Q.M. Review

Approved

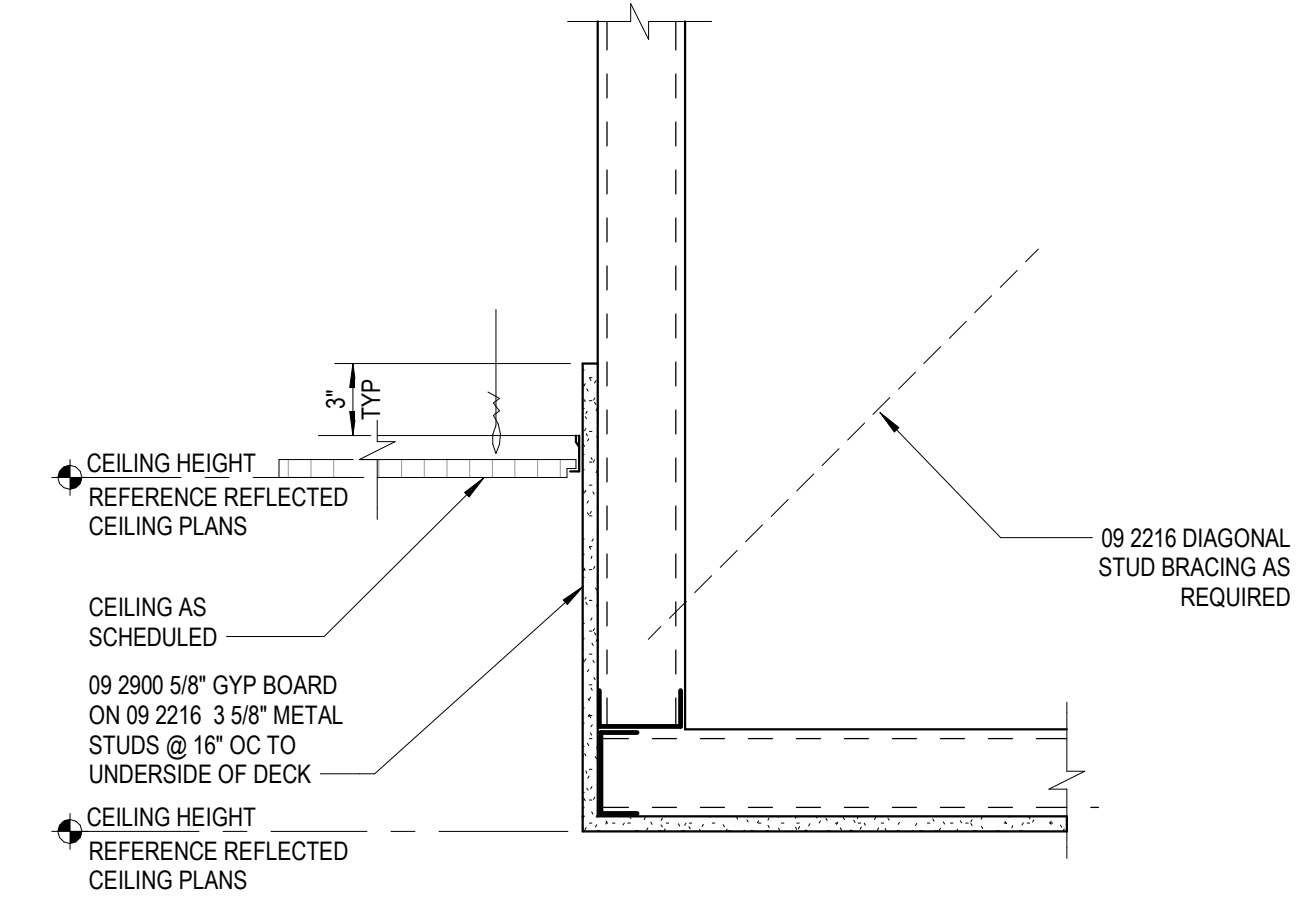
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Drawing Scale

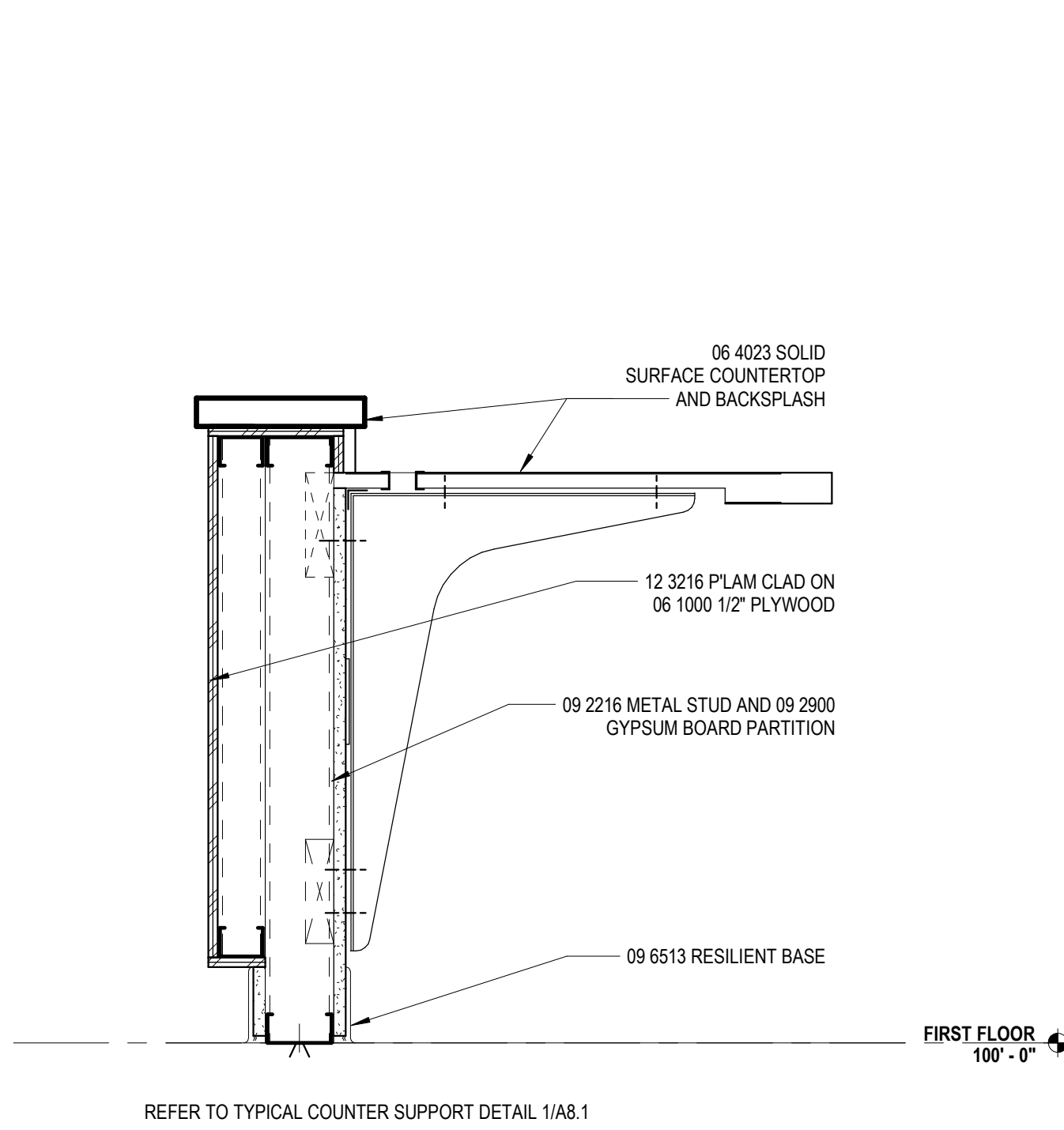
As Noted

Issued for Issue Date

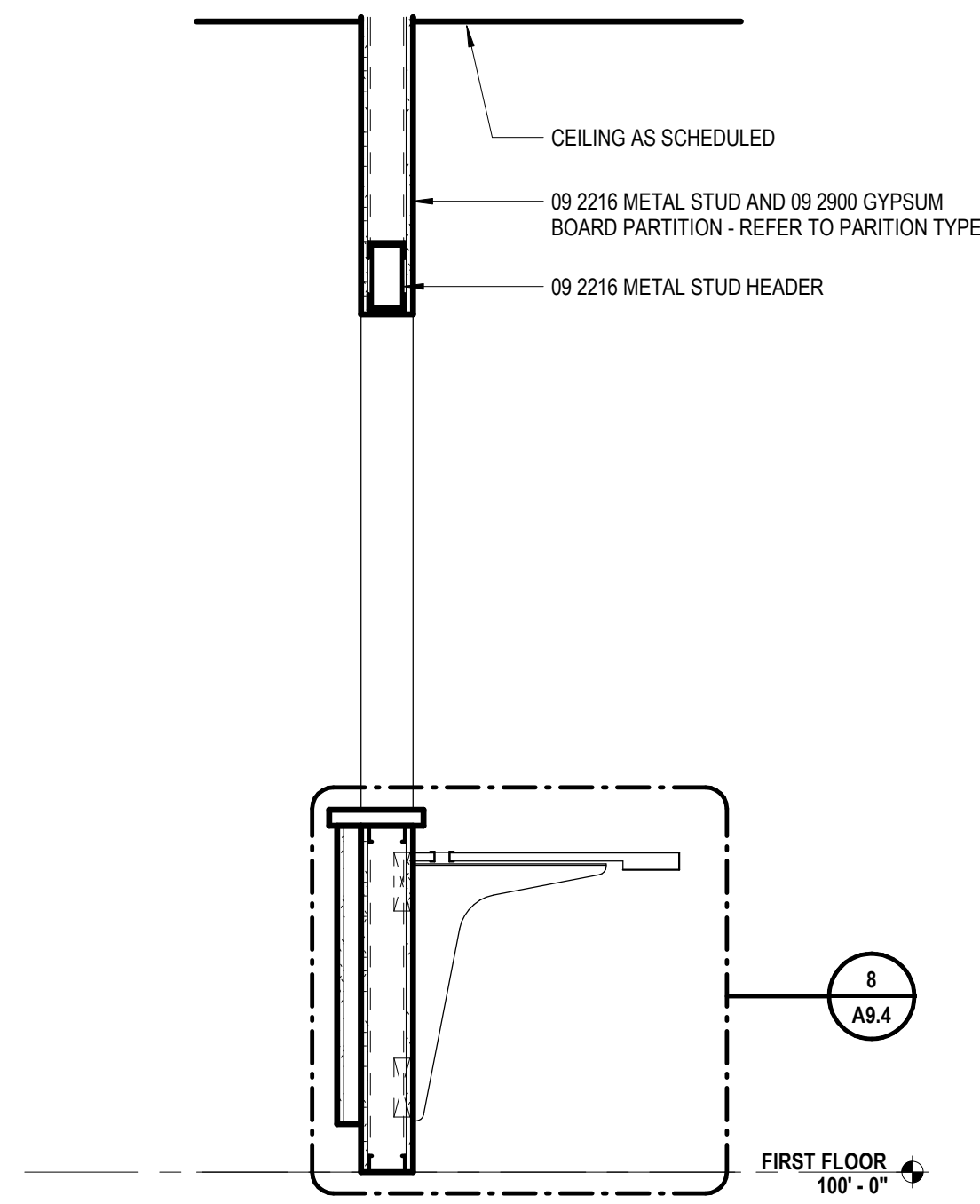
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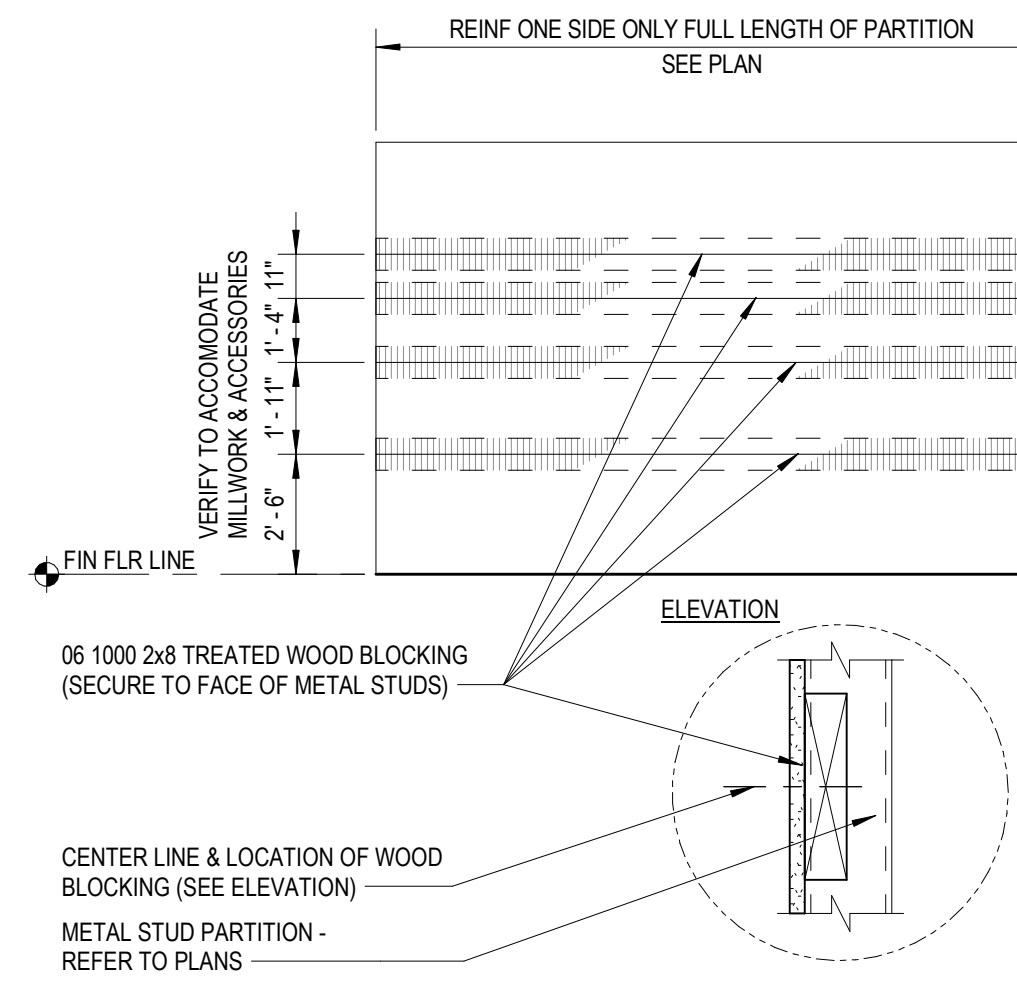
9 CEILING DROP
 A3.1 1/12" = 1'-0"



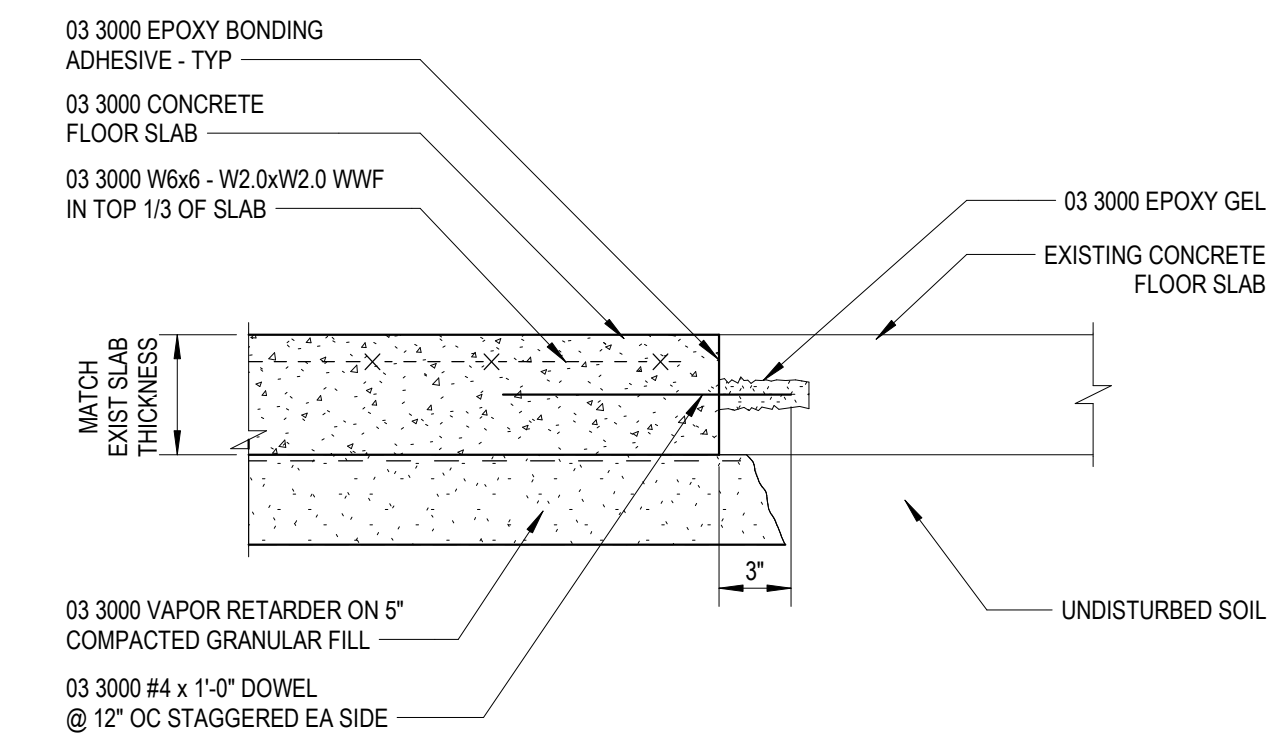
8 WALL SECTION DETAIL
 A9.4 1/12" = 1'-0"



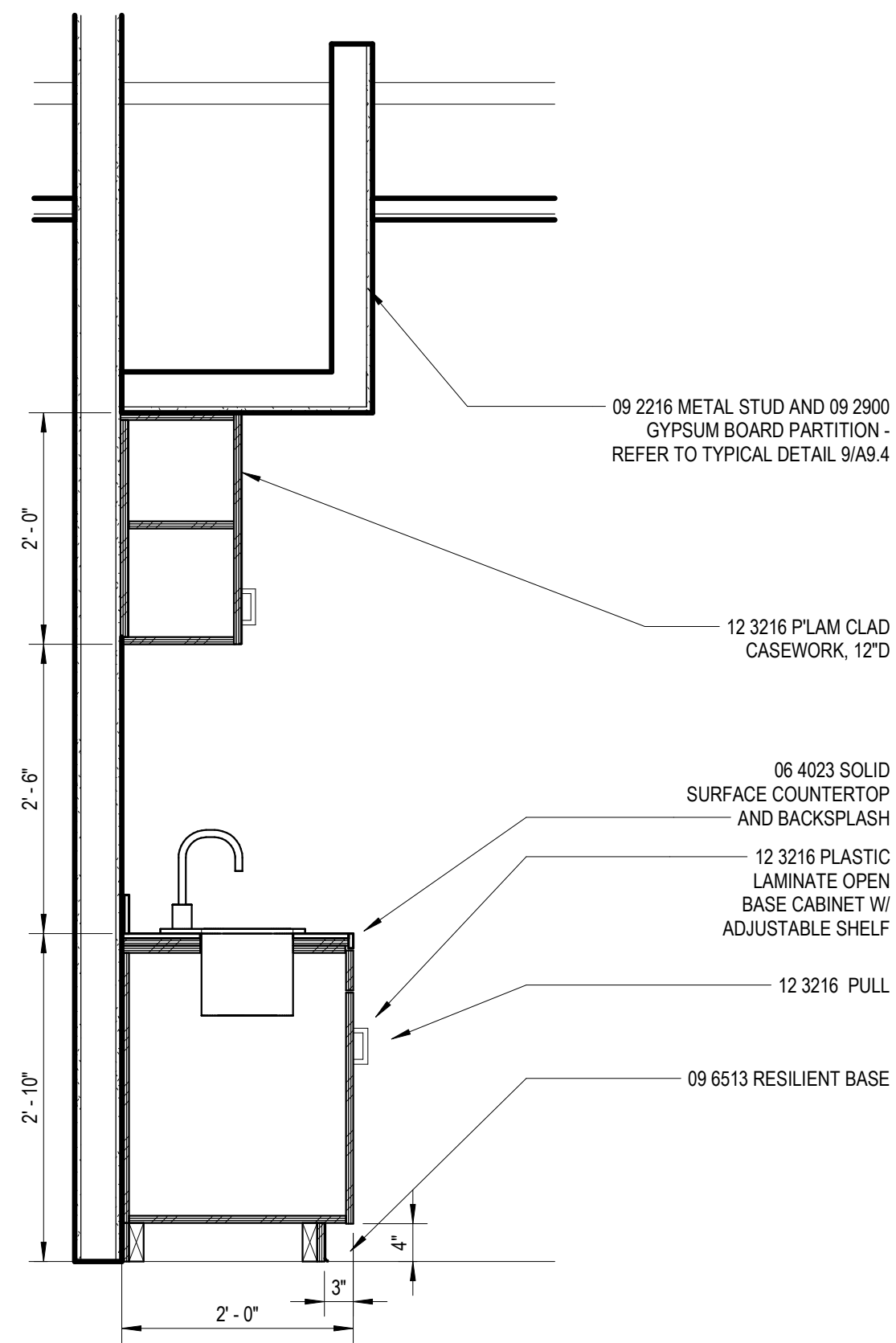
7 WALL SECTION
 A2.1 3/4" = 1'-0"



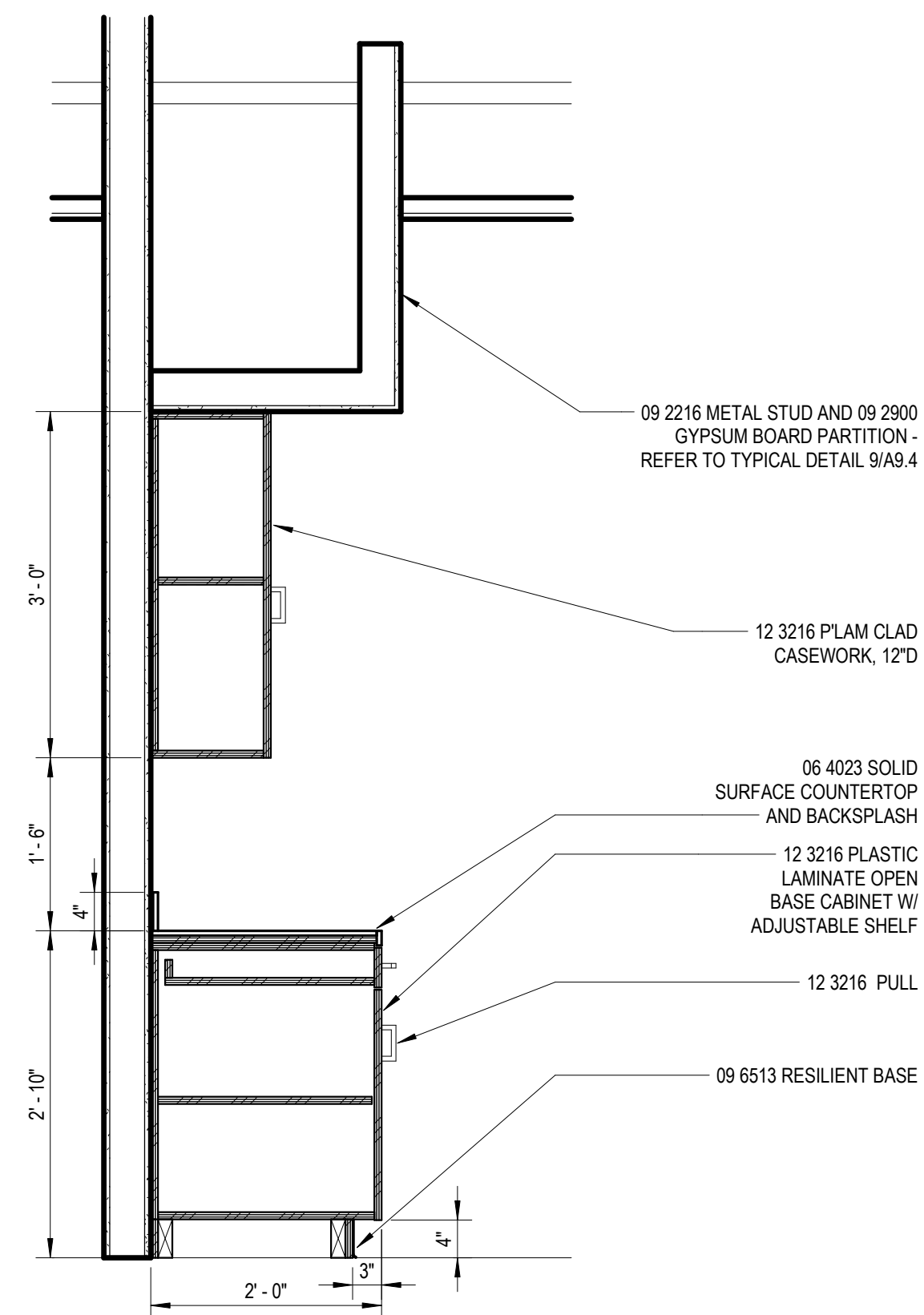
6 TYP PTN REINFORCEMENT
 1/4" = 1'-0"



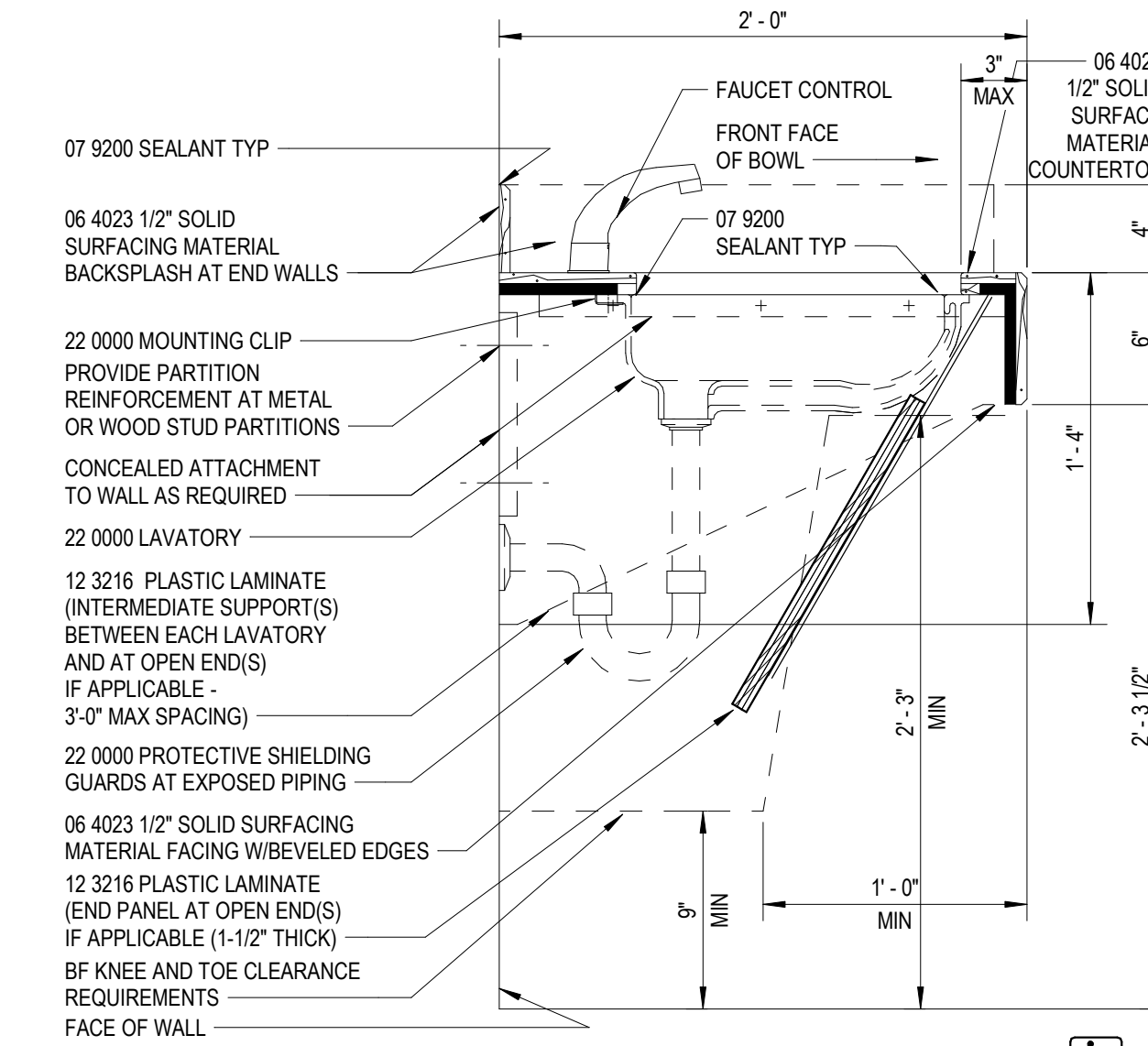
5 CONCRETE FLOOR SLAB INFILL
 A2.1 1/12" = 1'-0"



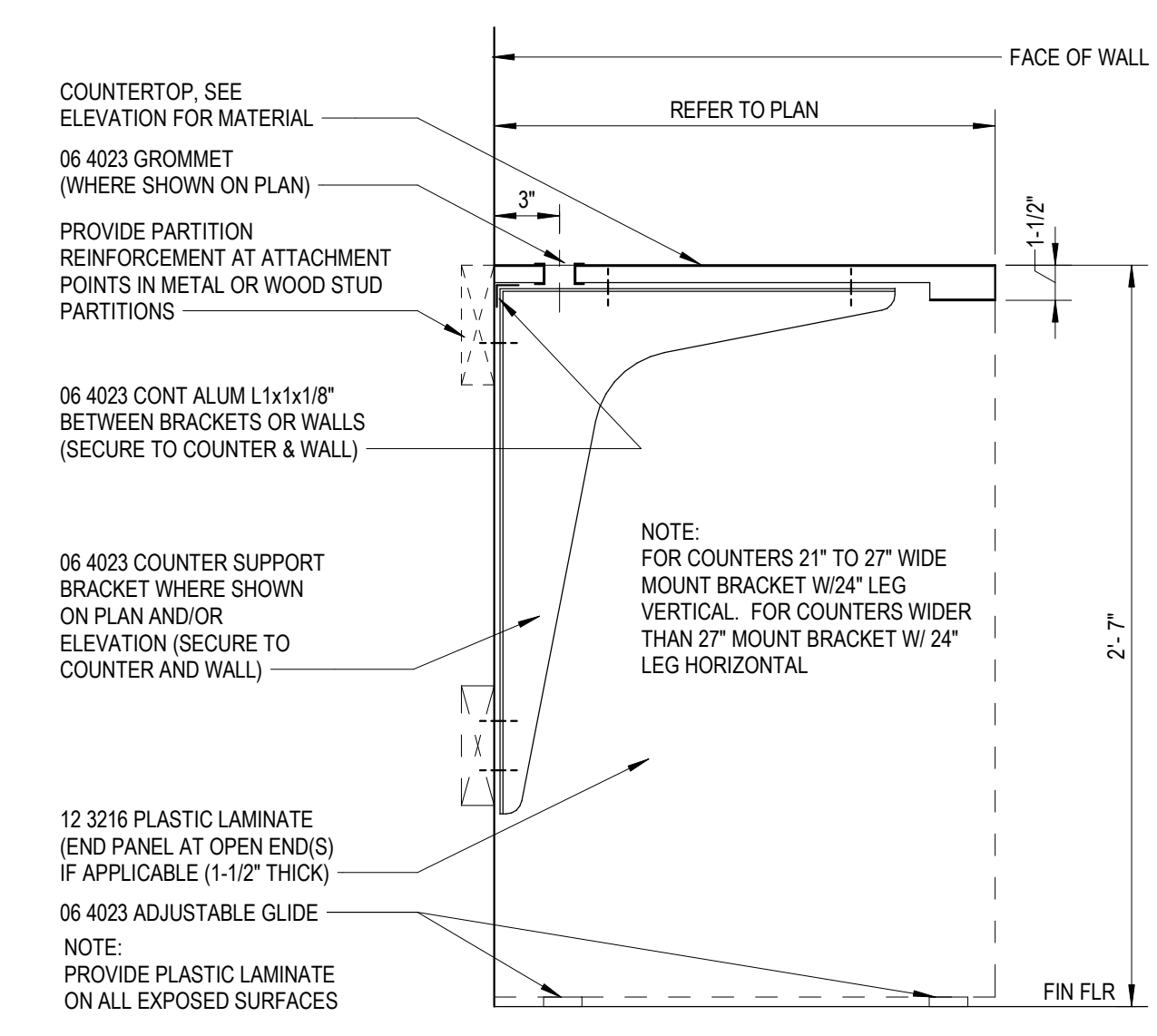
4 BASE CABINET - SECTION DETAIL
 A8.1 3/4" = 1'-0"



3 BASE CABINET - SECTION DETAIL
 A8.1 3/4" = 1'-0"



2 SECTION DETAL @ADA SINK
 A8.1 1/12" = 1'-0"



1 COUNTER (METAL BRACKET)
 A8.1 1/12" = 1'-0"



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 A. Pfeiffer
 Q.M. Review

Approved

Drawing Scale

As Noted

Issued for Issue Date
 Design Development 07-03-2024

GENERAL NOTES

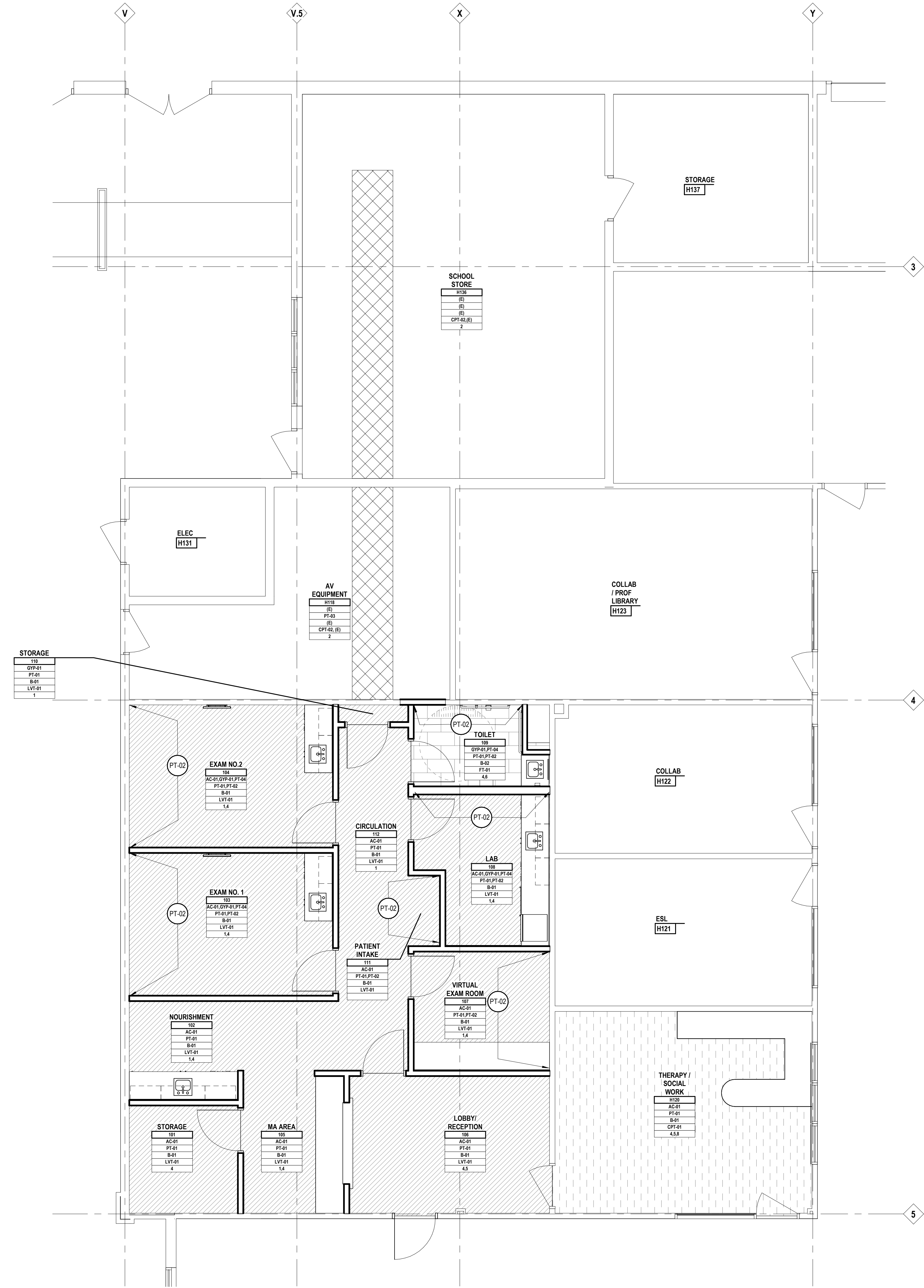
- FINISH PLAN**
- A. REFER TO ROOM FINISH SCHEDULE AND COLOR CODES FOR MORE INFORMATION.
 - B. XXXXX COPY IN ROOM FINISH SCHEDULE REMARKS FOR EASY REFERENCE

LEGEND

FINISH PLAN
 NOTE: NOT ALL SYMBOLS MAY BE USED

- 09 3000 PORC FLOOR TILE FT-01
- 09 6813 CARPET TILE CPT-01
- 09 6813 CARPET TILE CPT-02
- 09 6516/6519 RESILIENT TILE LVT-01
- FLOOR MATERIAL TRANSITION TAG
REFER TO A.3.2 FOR TRANSITION SILL DETAILS
- FLOOR COLOR CODE TAG - REFER TO ROOM FINISH SCHEDULE SHEET A9.1
- FLOORING INSTALLATION DIRECTION
- ACCENT MATERIAL, REFER TO COLOR CODES
- FLOORING INSTALLATION METHOD - ASHLAR
- FLOORING INSTALLATION METHOD - MONOLITHIC
- FLOORING INSTALLATION METHOD - QUARTER TURN
- FLOORING INSTALLATION METHOD - NON-DIRECTIONAL
- FLOORING INSTALLATION METHOD - HERINGBONE

ROOM NAME	NOTE: FINISHES INDICATED IN ROOM FINISH TAGS ARE GENERAL, OVERALL FINISHES FOR ROOM UNLESS OTHERWISE INDICATED BY NOTE, REMARK, DETAIL AND/OR ELEVATION
ROOF	
Ceiling Finish	
Wall Finish	
Base Finish	
Floor Finish	
Comments	ROOM SPECIFIC FINISH REMARKS, REFER TO REMARKS LEGEND FOR ADDITIONAL INFORMATION



Project Title

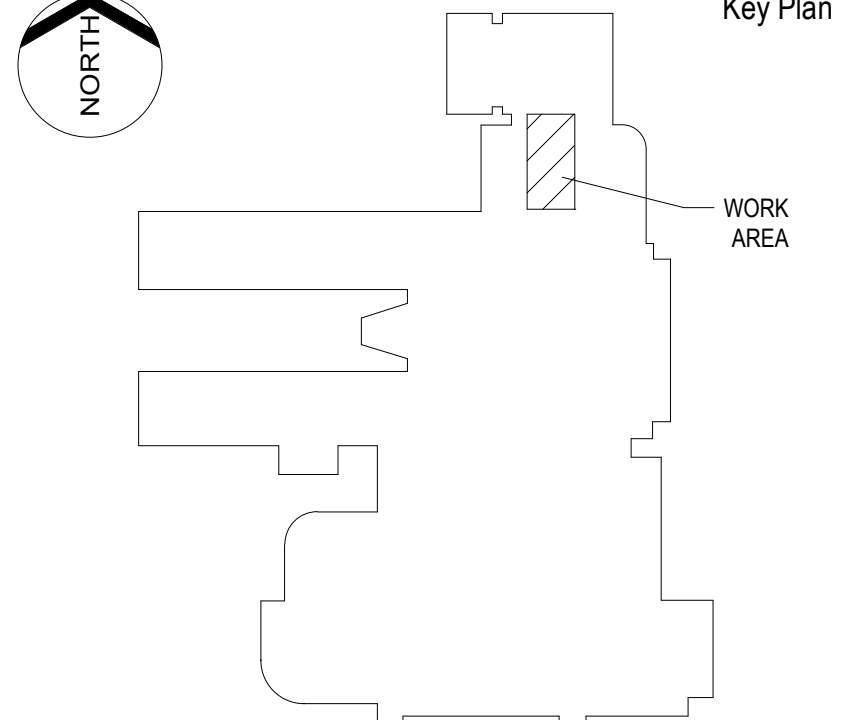


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Q.M. Review

Approved

Drawing Scale

1/4" = 1' - 0"

Issued for

Design Development

Issue Date

07-03-2024

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iDS Drawing Title

First Floor Finish Plan

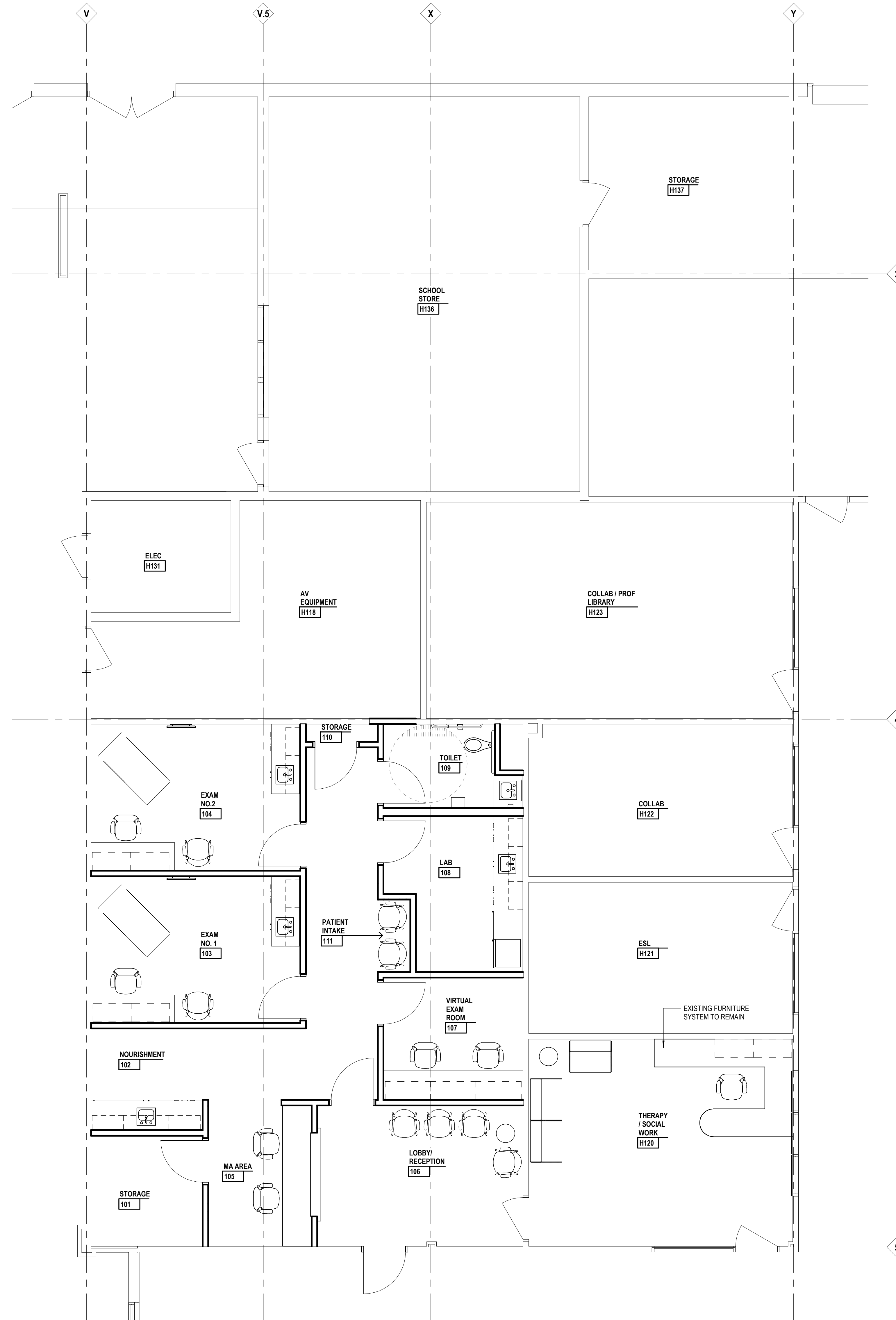
GENERAL NOTES

FURNITURE FIXTURE AND EQUIPMENT PLAN

- A. ITEMS SHOWN IN GRAYSCALE ARE FOR REFERENCE ONLY.
- B. COORDINATE THE INTERFACING OF ALL TRADES WITH RESPECT TO DELIVERY AND INSTALLATION OF ALL FURNITURE, FIXTURES AND EQUIPMENT.
- C. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BEFORE INSTALLATION. CONSULT ARCHITECT WHEN ACTUAL FIELD CONDITIONS VARY FROM THOSE SHOWN ON CONSTRUCTION DOCUMENTS.
- D. COORDINATE LOCATIONS OF ALL REQUIRED UTILITIES WITH THE TRADE PROVIDING THE SAME. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.



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Project Title

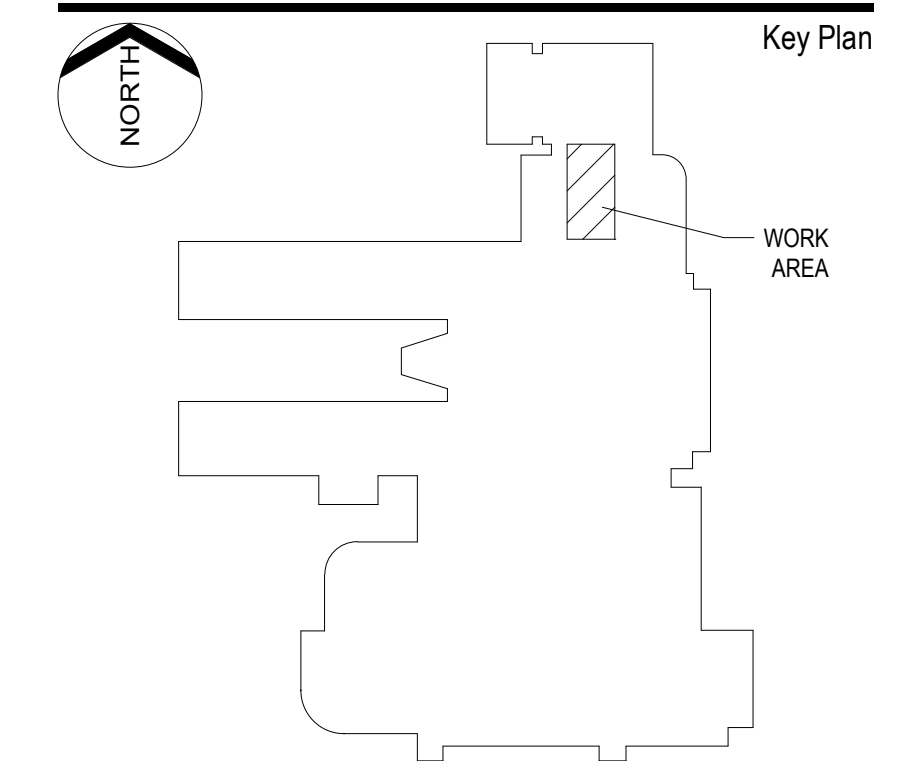


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Drawing Scale

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Design Development

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IDS Drawing Title

First Floor Furniture Plan

For Reference Only

Project Number Drawing Number

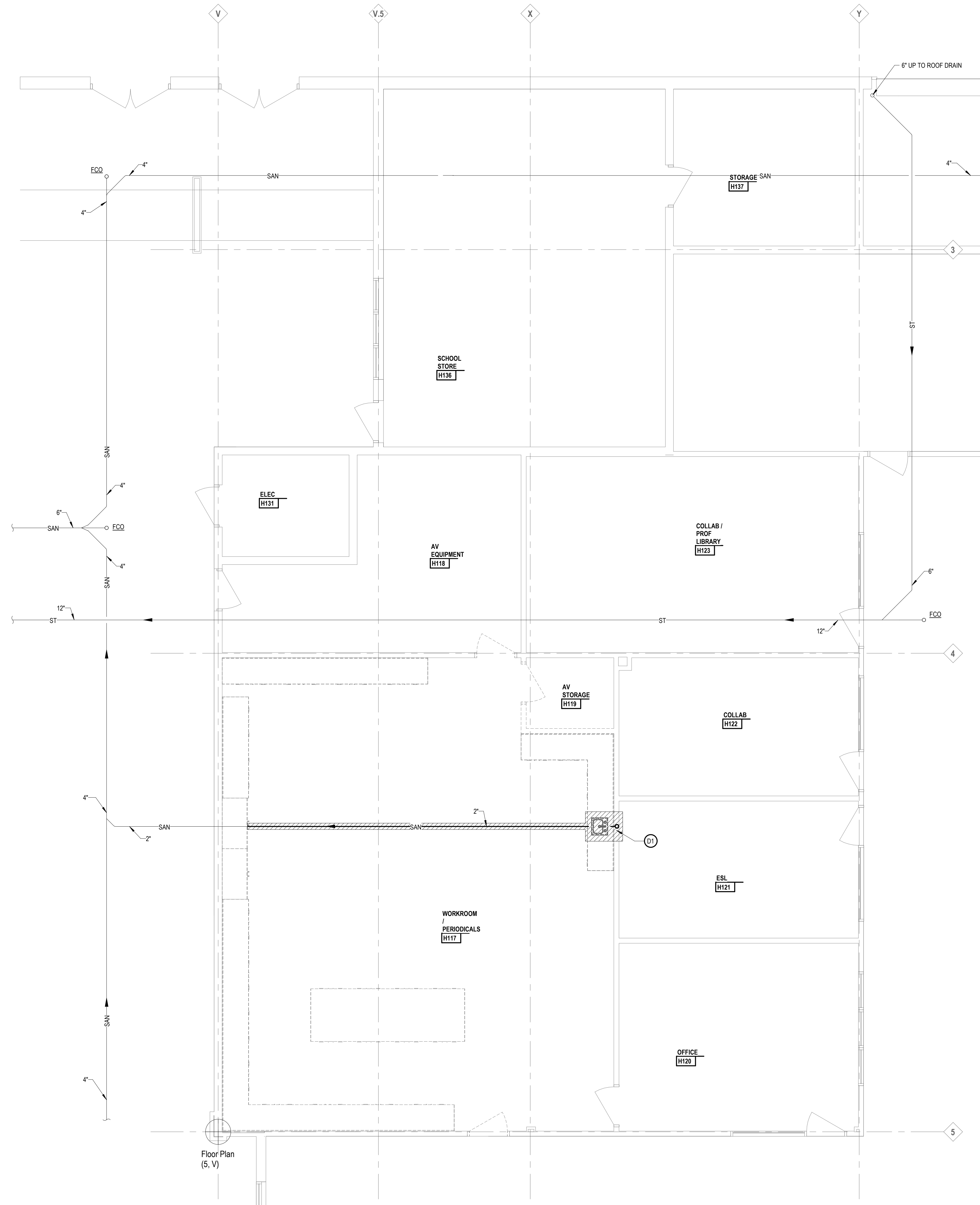
24167-1000 **F2.1**

7/3/2024 11:04:03 AM Autodesk Docs/Van Buren Public Schools (2023)/VPS/IS Clinic-423.rvt

KEYNOTES

DEMOLITION
 NOTE: NOT ALL KEYNOTES MAY BE USED

- ① LEGEND SYMBOL INDICATOR
- D1 REMOVE SANITARY PIPING AND CAP 2'-0" FROM WALL.
- D2 REMOVE SINK, COLD WATER, HOT WATER, SANITARY, AND VENT PIPING.
- D3 REMOVE SUPPLY DIFFUSER, ASSOCIATED DUCT WORK, AND COMPONENTS BACK TO MAIN.
- D4 REMOVE RETURN GRILLE.



Project Title

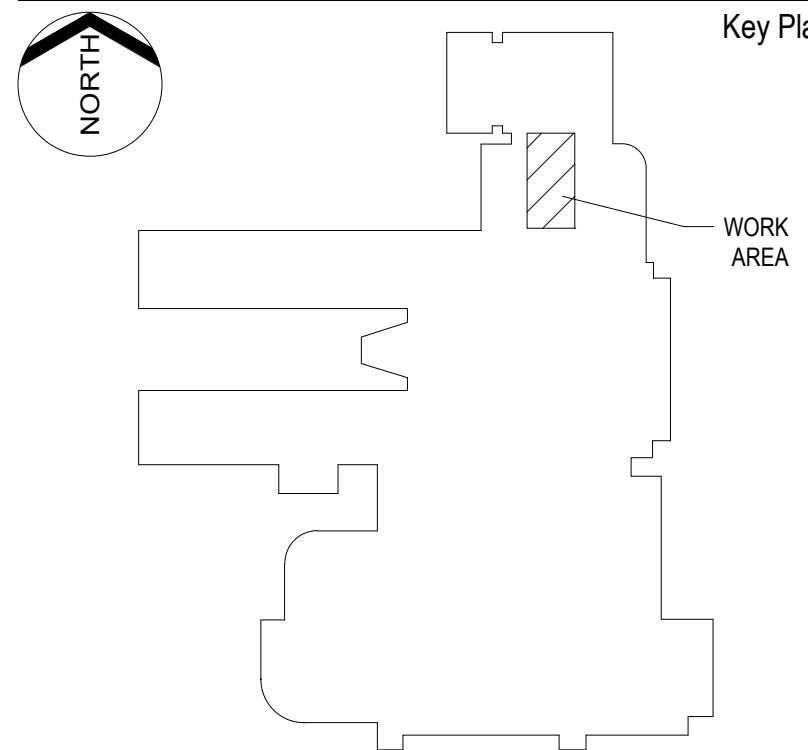


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Project Designer

N. Moegenborg

Project Architect / Engineer

N. Moegenborg

Drawn By

N. Moegenborg

Q.M. Review

X

Approved

J. Schwartz

Drawing Scale

1/4" = 1'-0"

Issued for

Design Development

Issue Date

07-03-2024

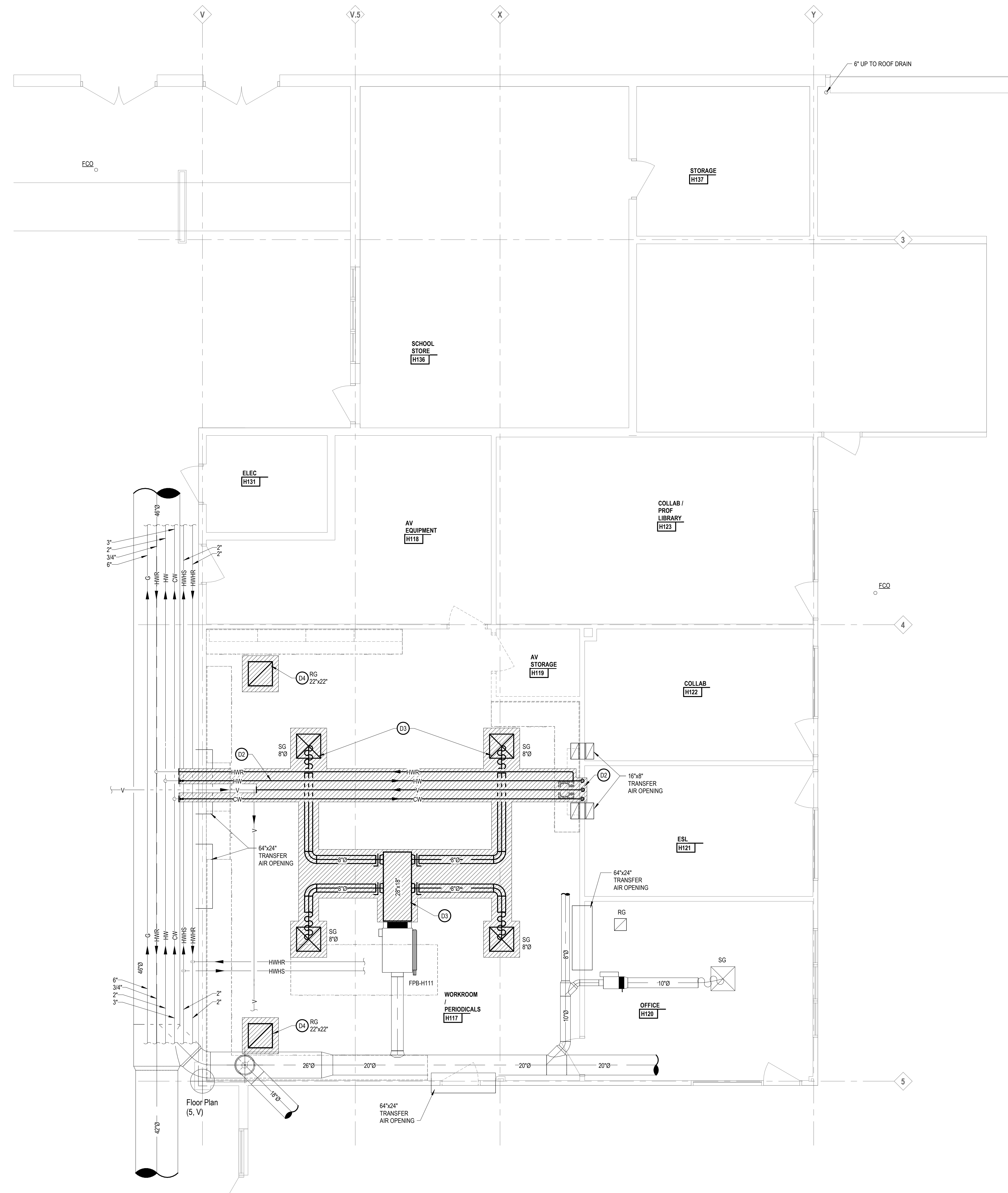
KEYNOTES

DEMOLITION
NOTE: NOT ALL KEYNOTES MAY BE USED

- ① LEGEND SYMBOL INDICATOR
- D1 REMOVE SANITARY PIPING AND CAP 2'-0" FROM WALL.
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Project Title

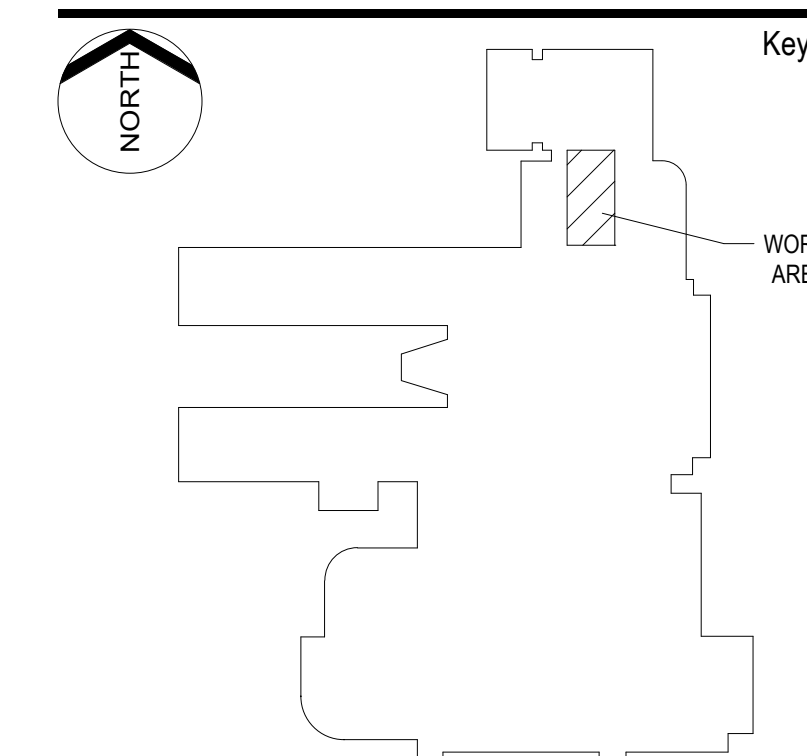


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Drawn By

N. Moegenborg

Q.M. Review

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Approved

J. Schwartz

Drawing Scale

1/4" = 1'-0"

Issued for

Design Development

Issue Date

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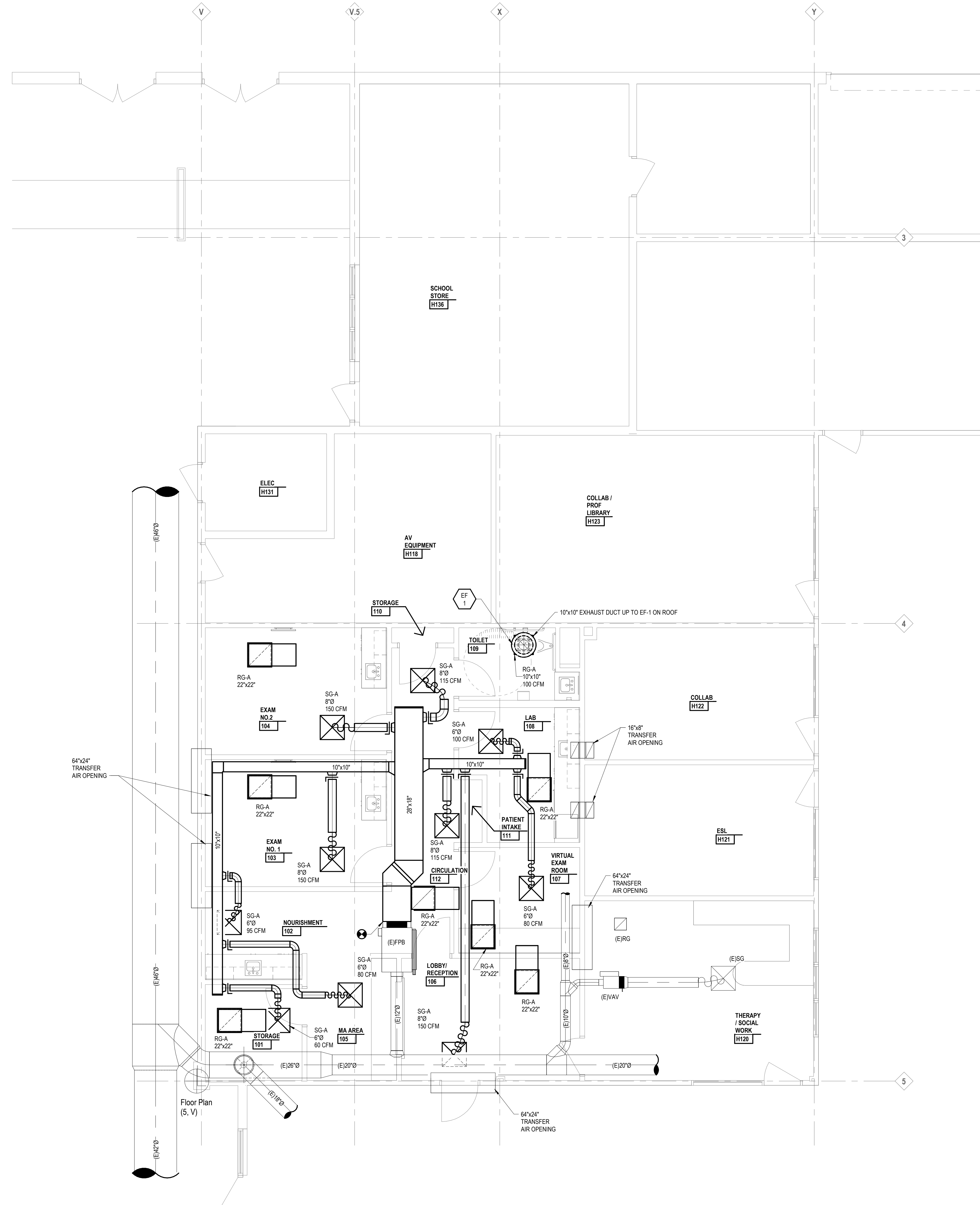
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IDS Drawing Title

First Floor Demolition Plan

Project Number Drawing Number

24167-1000 M1.1



Project Title

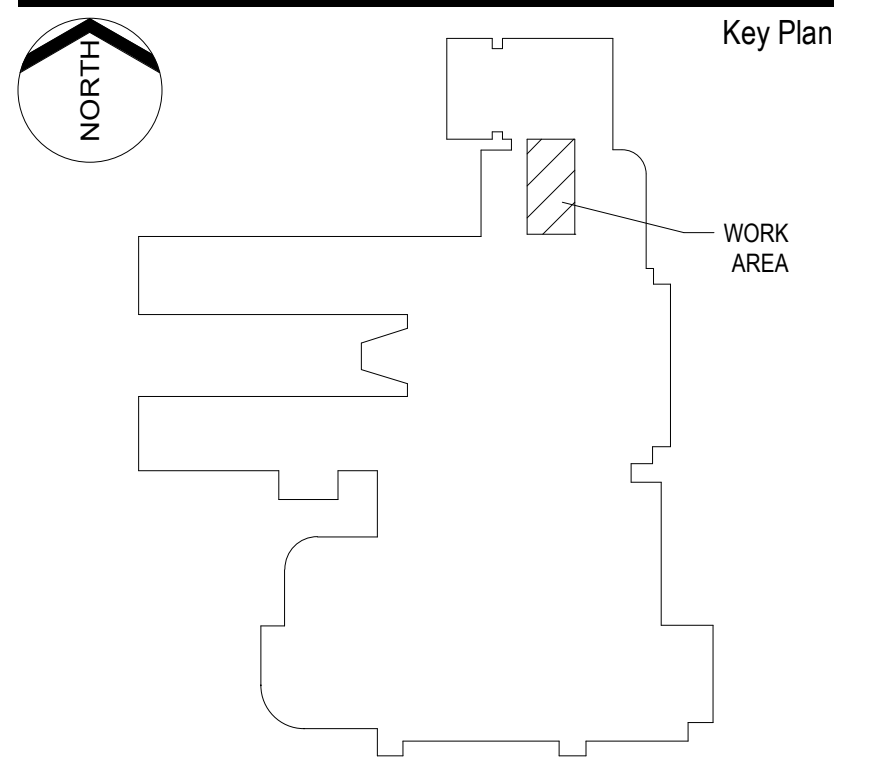


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N. Moeggenborg

Q.M. Review

X

Approved

J. Schwartz

Drawing Scale

1/4" = 1'-0"

Issued for

Design Development

Issue Date

07-03-2024

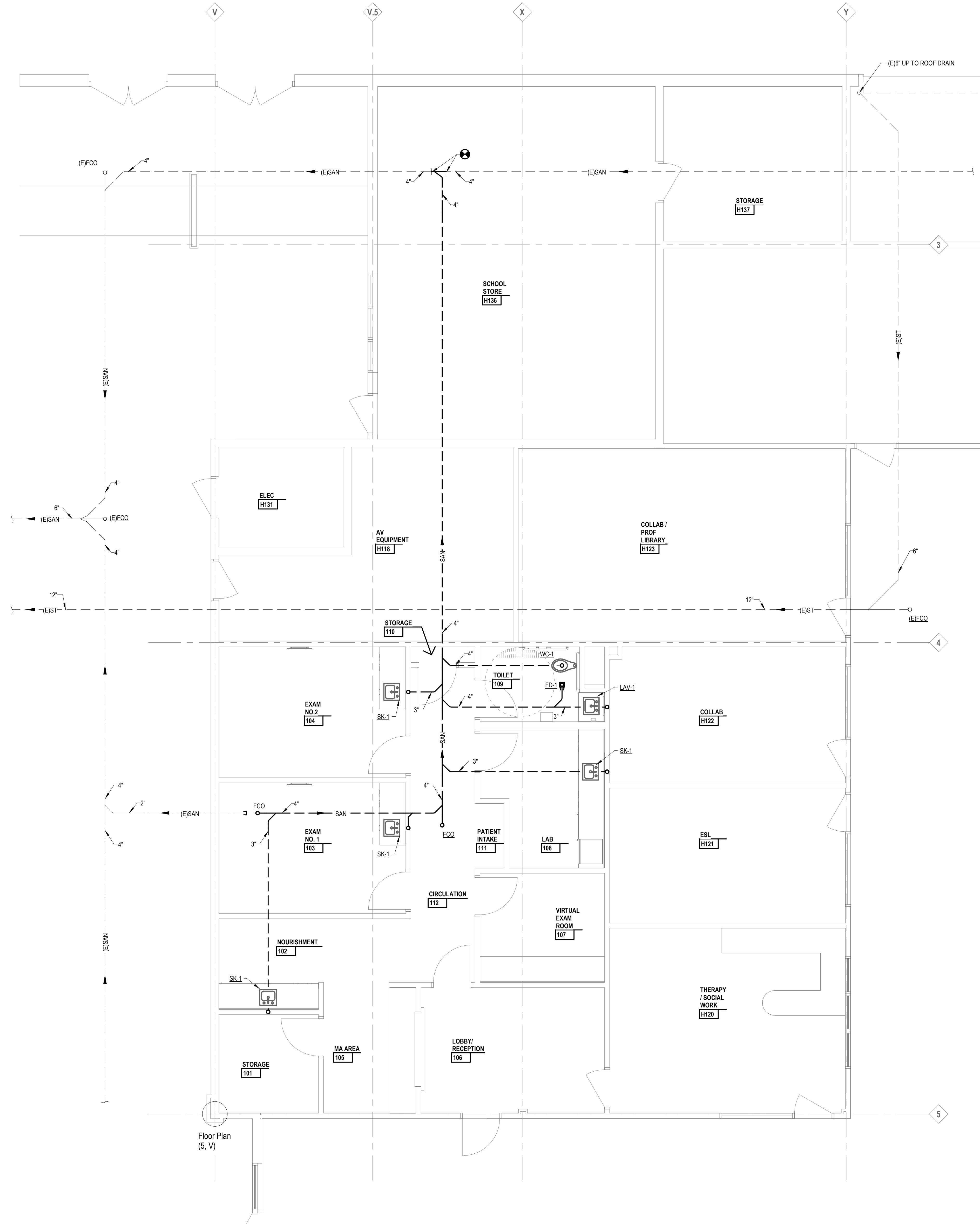
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IDS Drawing Title

First Floor Sheet Metal Plan

103 Project Number Drawing Number

24167-1000 M2.1



Project Title

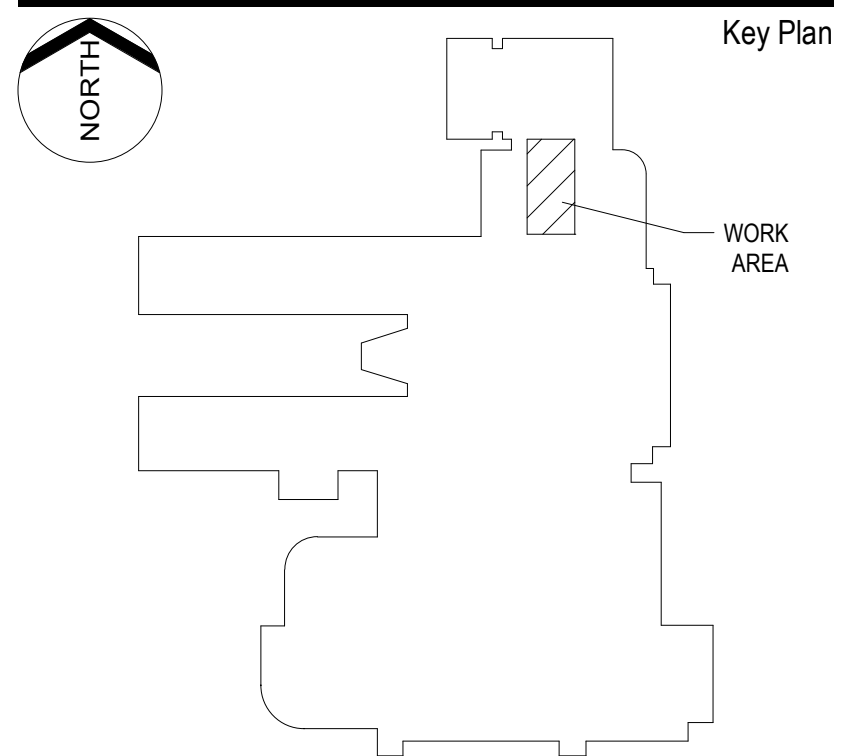


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Drawn By

N. Moeggenborg

Q.M. Review

X

Approved

J. Schwartz

Drawing Scale

1/4" = 1'-0"

Issued for

Design Development

Issue Date

07-03-2024

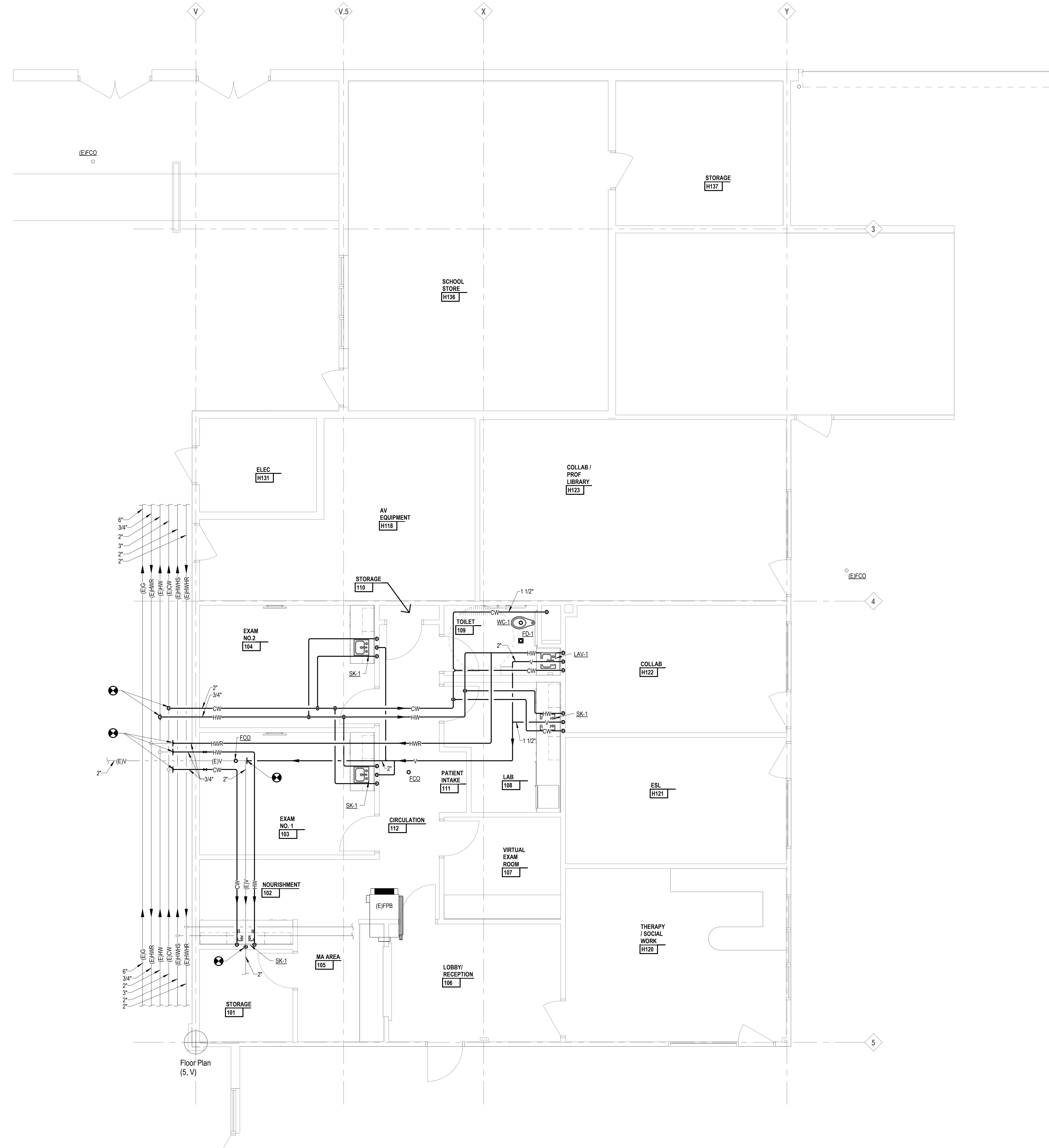
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IDS Drawing Title

First Floor Underground Plumbing Plan

103 Project Number Drawing Number

24167-1000 M4.1U



Project Title

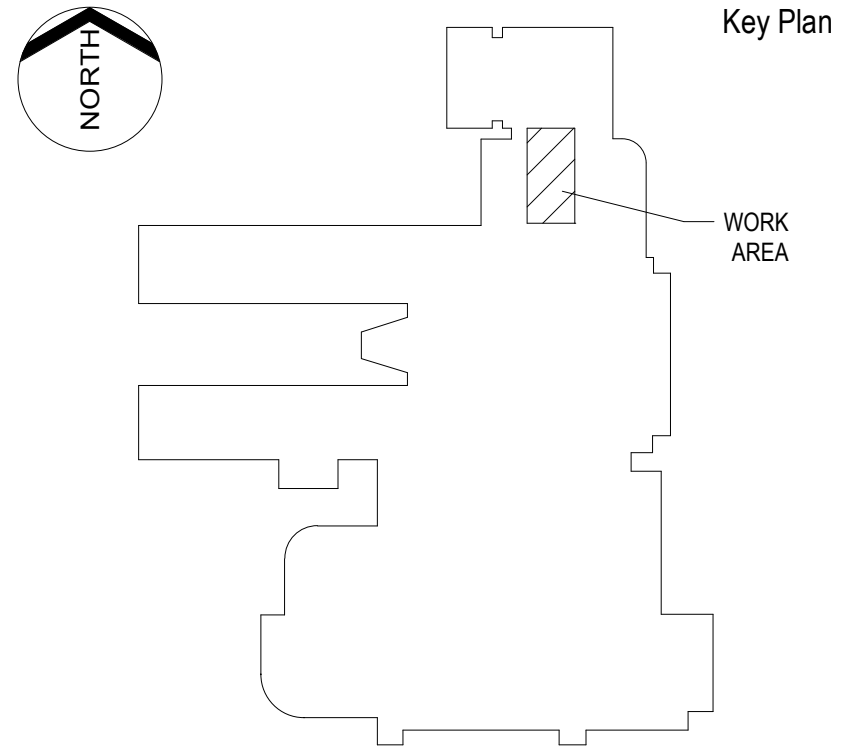


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Project Administrator

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Drawn By

N. Moeggenborg

Q.M. Review

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Approved

J. Schwartz

Drawing Scale

1/4" = 1'-0"

Issued for

Design Development

Issue Date

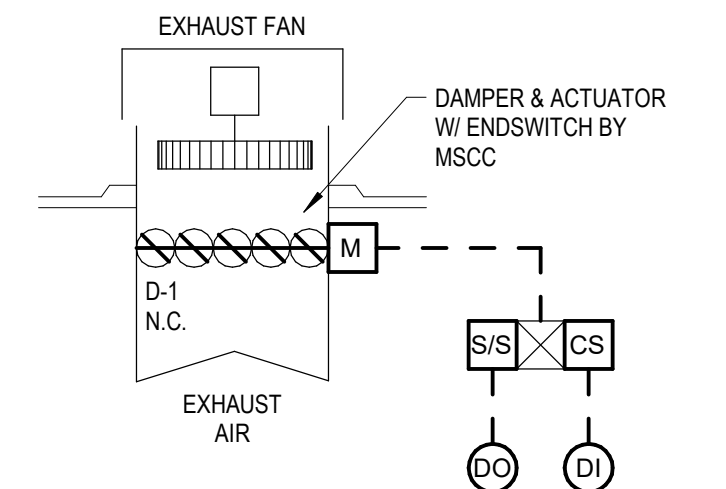
07-03-2024

FAN SCHEDULE													
MARK	LOCATION	AREA SERVED	DESIGN AIRFLOW (CFM)	INITIAL CONN. AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN. WG)	FAN DATA			MOTOR DATA		ELECTRICAL V/PH/Hz	"GREENHECK" MODEL No.	REMARKS
						TYPE	DRIVE	FAN RPM	HP	BHP			
EF-1	ROOF	TOILET	100	100	0.5	CENTRIFUGAL	DIRECT	1130	1/4	0.03	120/60/1	G-057-VG	

NOTES:
 1. PROVIDE ALL FANS WITH FACTORY MOUNTED AND WIRED DISCONNECT.

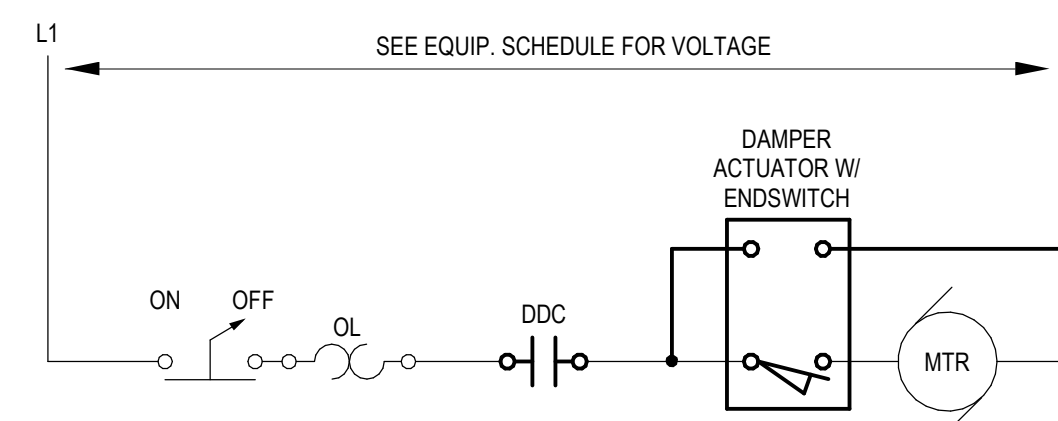
GRILLE, REGISTER AND DIFFUSER SCHEDULE								
MARK	CORE STYLE	BORDER FRAME TYPE	MODULE SIZE	FINISH	ACCESSORY	CONSTRUCTION	"PRICE" MODEL No.	REMARKS
SD-A	PANEL	NOTE 1	24"x24"	WHITE	NONE	STEEL	SPD	
RG-A	PERFORATED	NOTE 1	24"x24"	WHITE	NONE	STEEL	PDDR	
EG-A	PERFORATED	NOTE 1	24"x24"	WHITE	NONE	STEEL	PDDR	

NOTES:
 1. COORDINATE MOUNTING FRAMES WITH REFLECTED CEILING PLANS.
 2. ALL WALL AND DUCT MOUNTED GRILLES SHALL HAVE COUNTER-SUNK SCREWS.
 3. SG-B & SG-C FRONT BLADES PARALLEL TO SHORT DIMENSION.
 4. COORDINATE LENGTH OF ALL LINEAR SUPPLIES AND RETURNS WITH ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS.

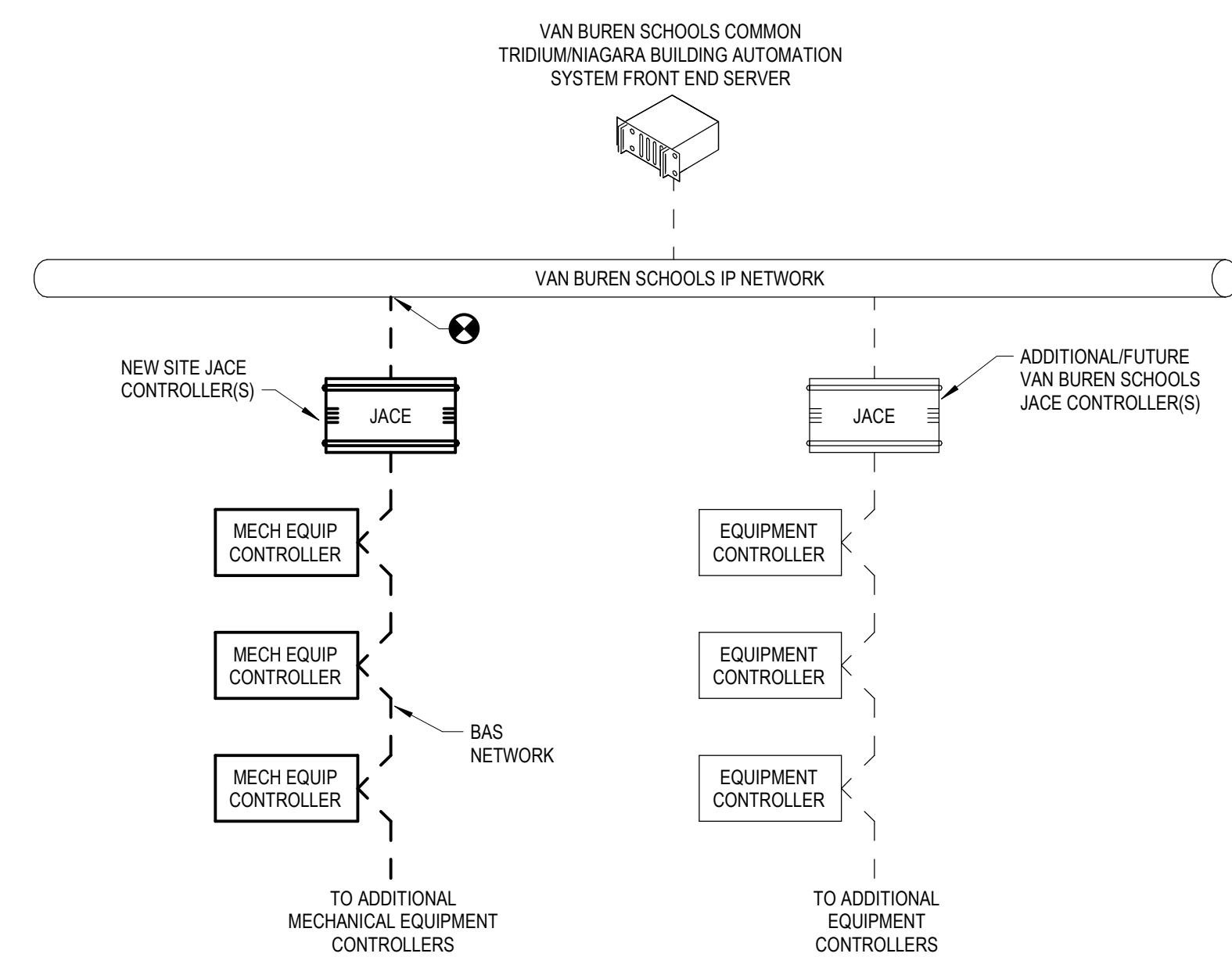


ROOF MOUNTED EXHAUST FAN CONTROL DIAGRAM

SEQUENCE OF OPERATION:
 1. THE EF SHALL BE SET TO ACTIVATE AND DEACTIVATE ACCORDING TO THE SET OPERATION TIME SCHEDULE FOR OCCUPIED AND UNOCCUPIED TIME PERIODS.
 2. WHEN THE FAN IS ENABLED, THE ISOLATION DAMPER SHALL OPEN. ONCE THE DAMPER END SWITCH VERIFIES THE DAMPER HAS OPENED, THE FAN SHALL START.

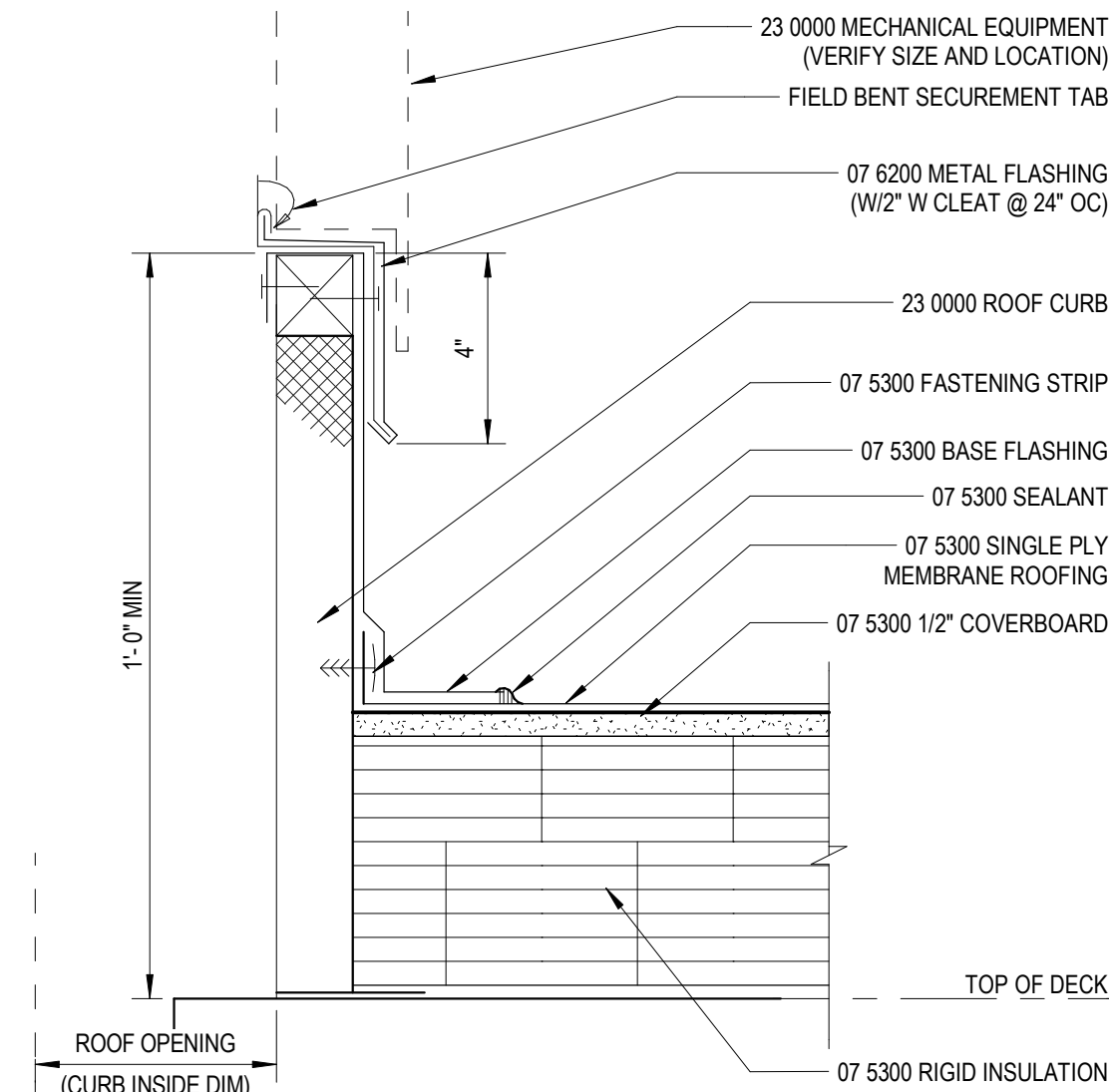


TYPICAL SINGLE PHASE EXHAUST FAN WIRING DETAIL

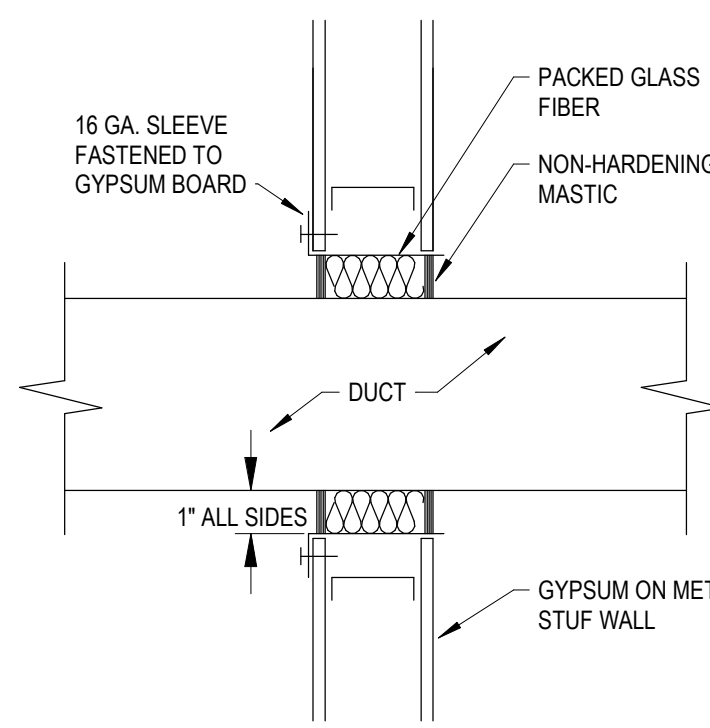


BUILDING AUTOMATION SYSTEM NETWORK RISER DIAGRAM

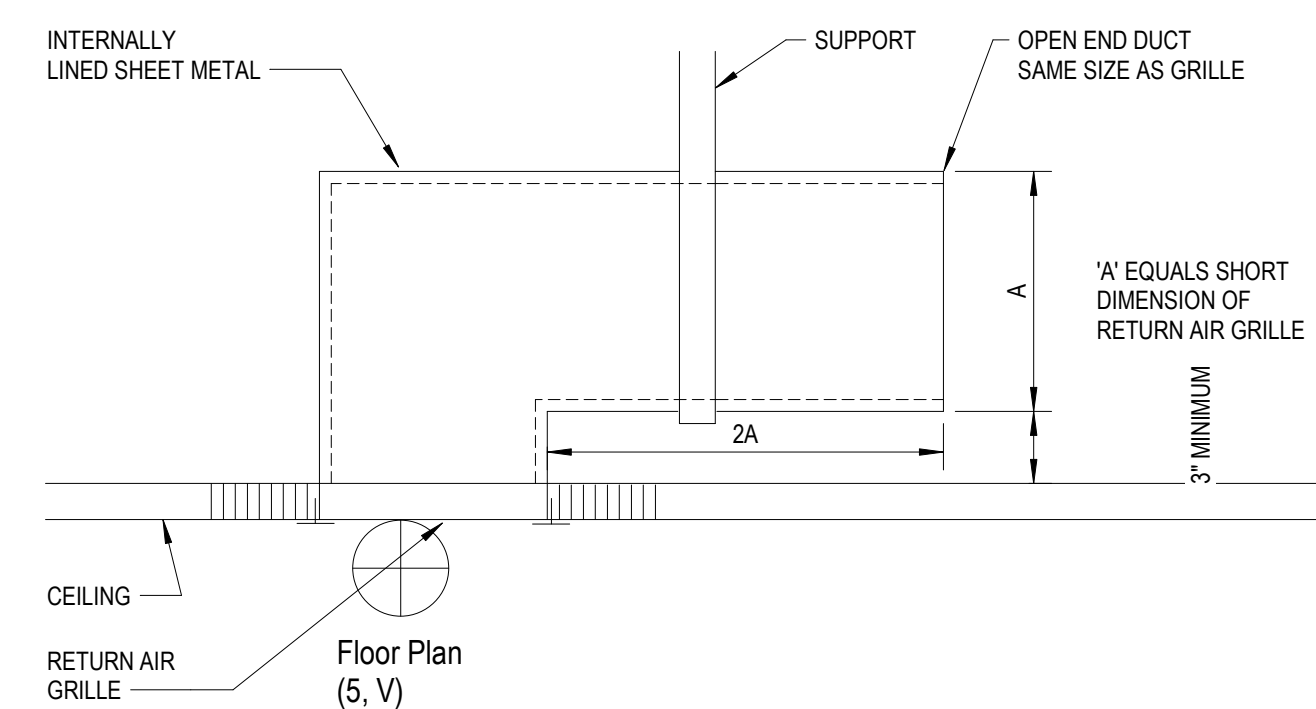
NOTES:
 1. THE MECHANICAL SYSTEMS CONTROLS CONTRACTOR (MSCC) SHALL PROVIDE A NEW BUILDING AUTOMATION SYSTEM (BAS) JACE CONTROLLER AND/OR GATEWAY/INTEGRATION DEVICE OR DEVICES, POWER SUPPLIES, AND NEMA 1 ENCLOSURES AS NECESSARY TO INTEGRATE ALL FIELD DEVICES AND DEVICE NETWORKS TO THE COMMON VAN BUREN SCHOOLS TRIDIUM BUILDING AUTOMATION SYSTEM (BAS) FRONT END SERVER. PROVIDE ETHERNET IP DATA CONNECTION(S) AND LOCATE DEVICES(S) AS NECESSARY IN COORDINATION WITH THE ELECTRICAL/TECHNOLOGY CONTRACTOR AND THE OWNER.



ROOF CURB

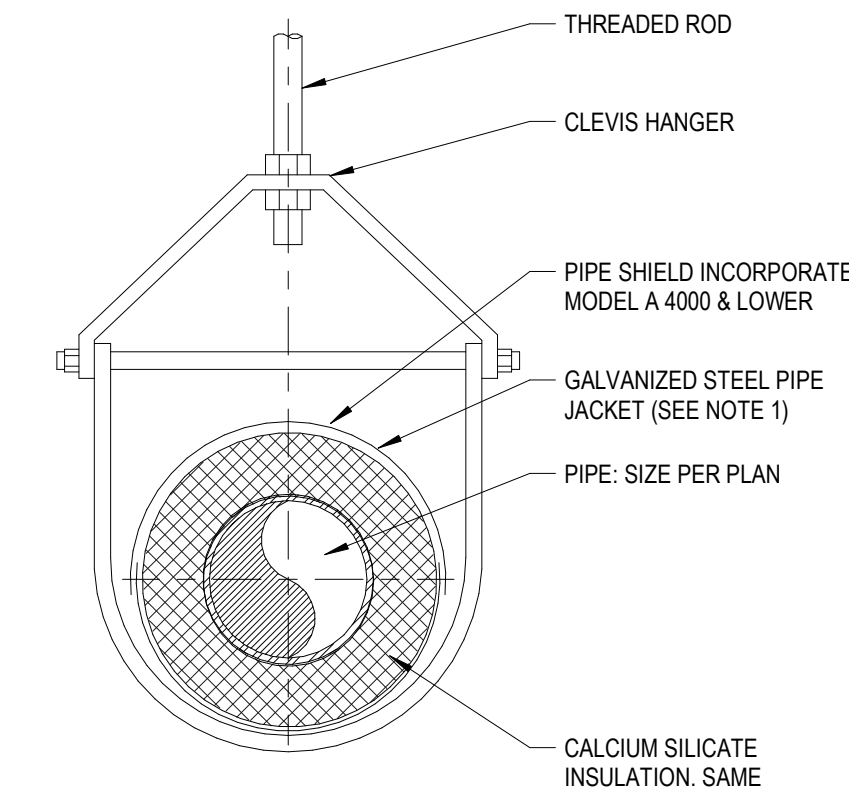


DUCT SEAL AT NON-RATED WALLS



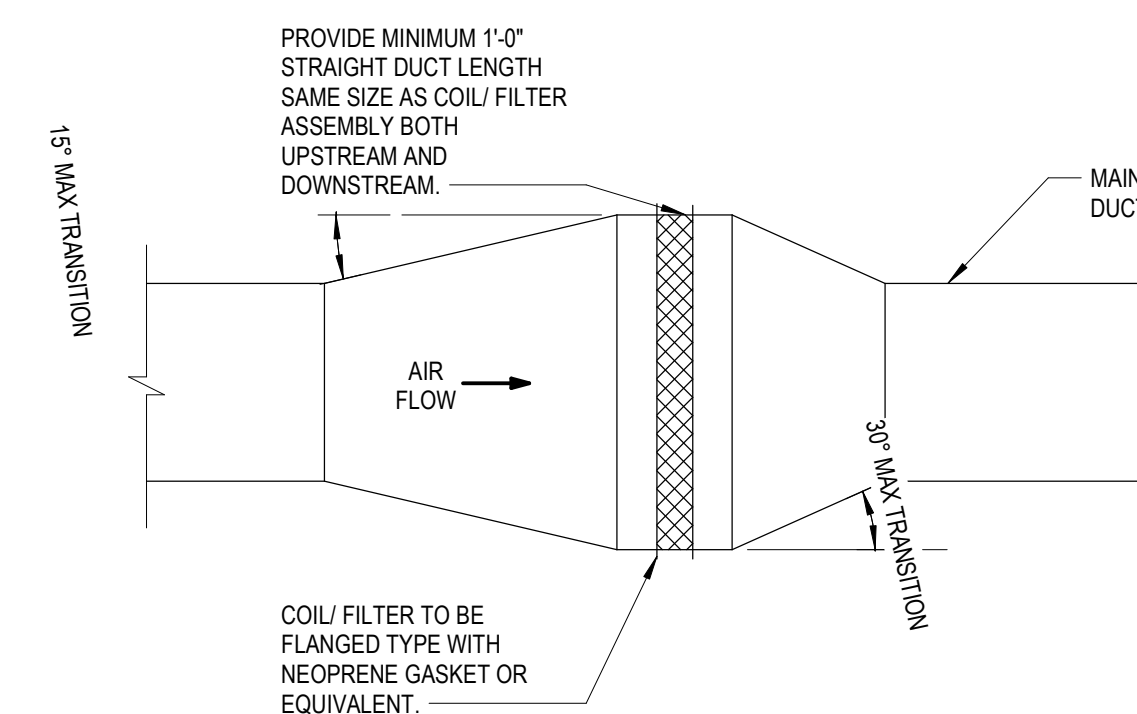
TYPICAL CEILING RETURN AIR GRILLE SOUND TRAP

NO SCALE



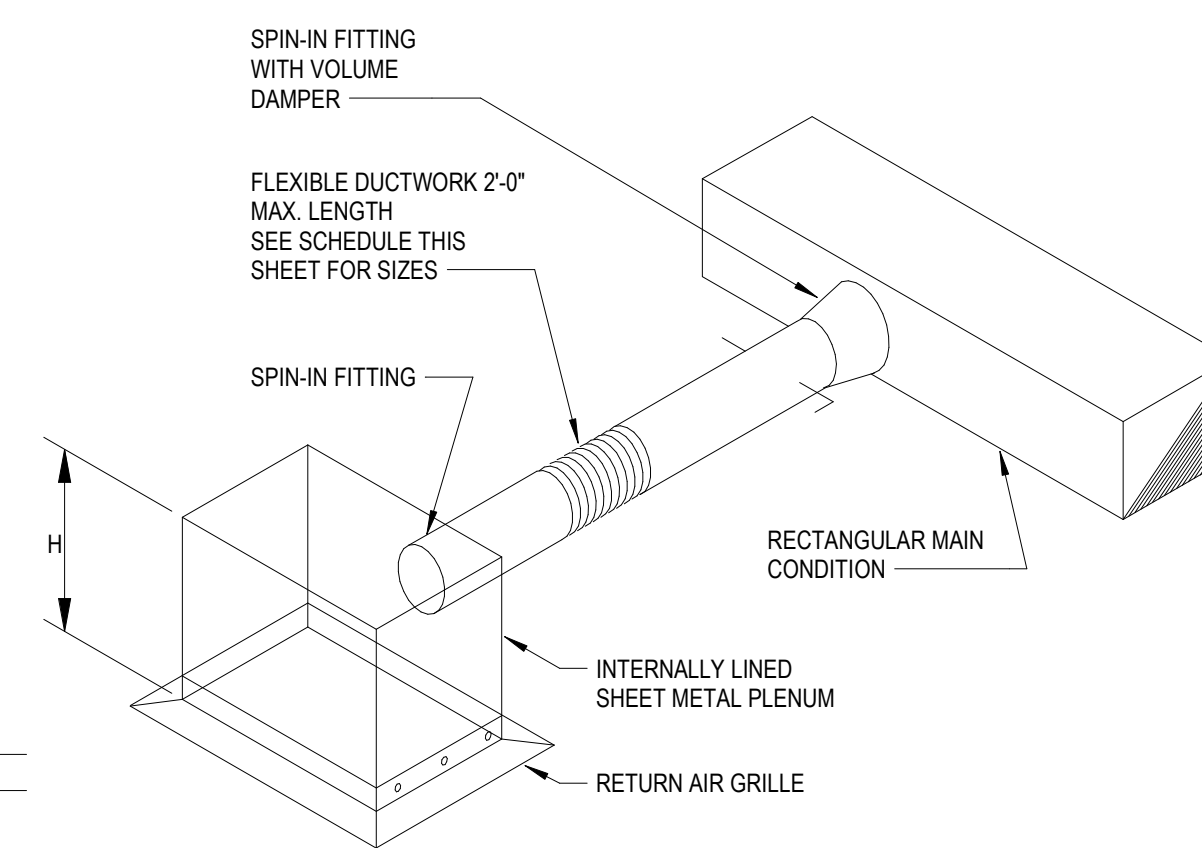
SINGLE PIPE SUPPORT (LESS THAN 4")

NO SCALE
NOTES:
 1. PROVIDE GALVANIZED SHEET METAL INSULATION JACKET AS FOLLOWS:
 PIPE SIZE: 2" TO 4" LENGTH: 12" GAUGE: 18



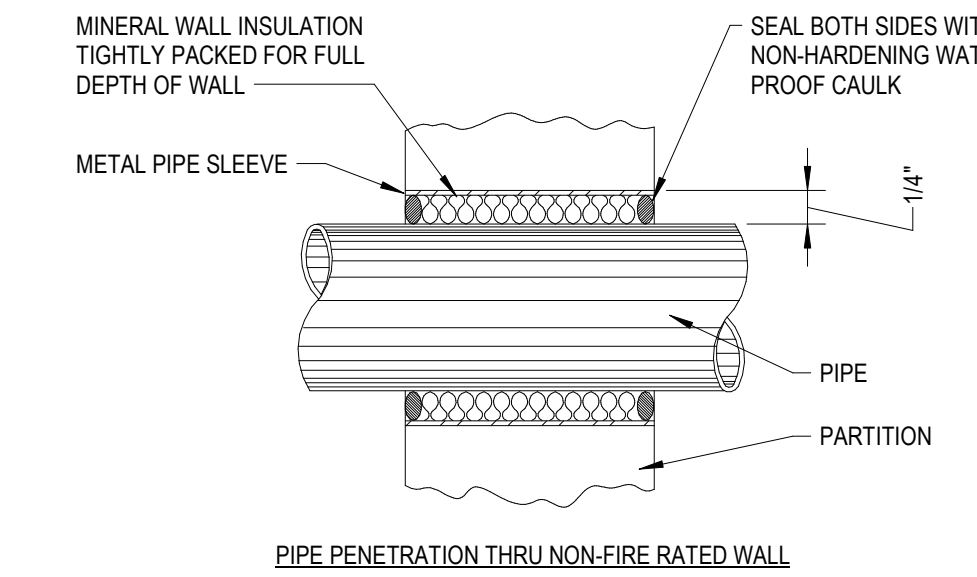
TYPICAL DUCT TRANSITION

NO SCALE

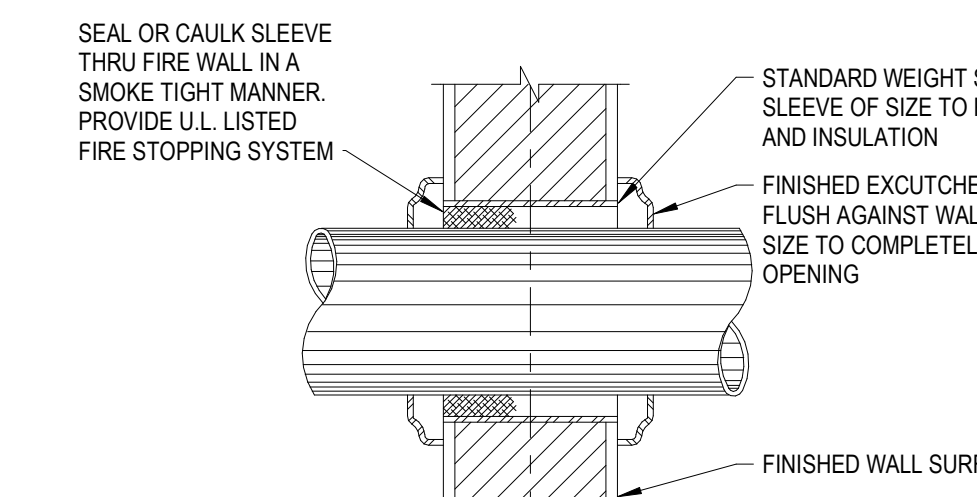


RETURN & EXHAUST AIR GRILLE BRANCH CONNECTION DETAIL

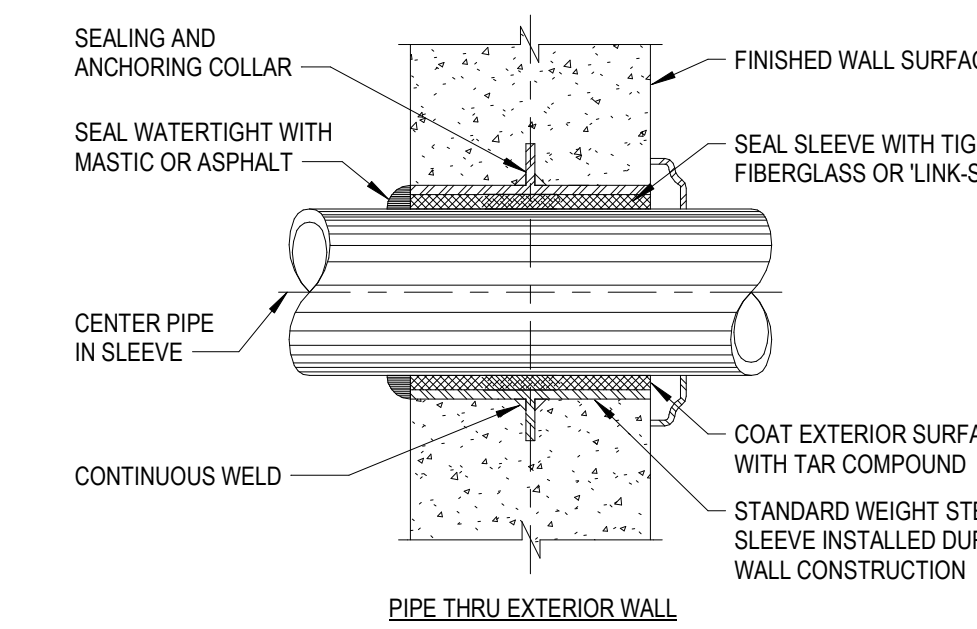
NO SCALE



PIPE PENETRATION THRU NON-FIRE RATED WALL

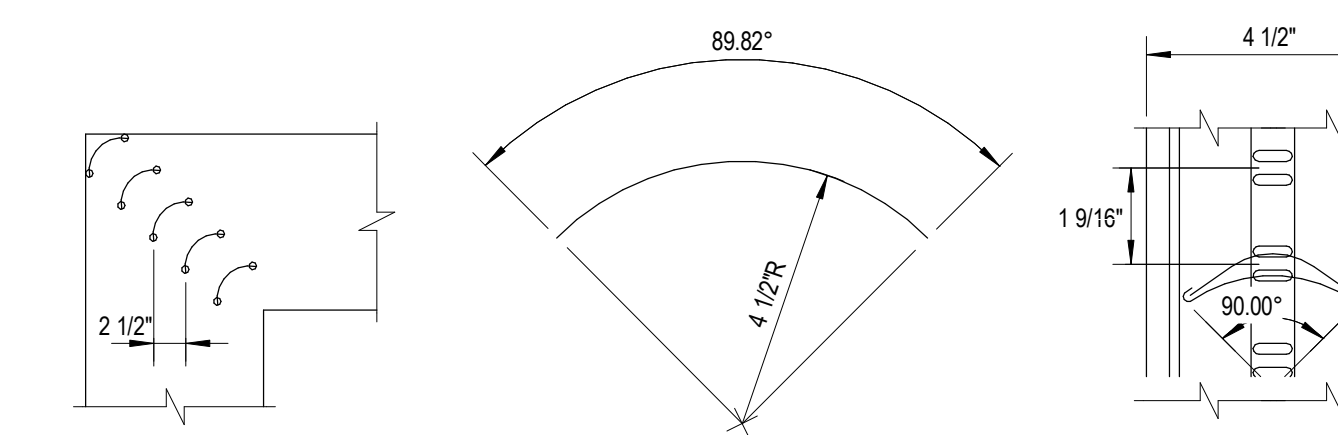


PIPE THRU FIRE RATED WALL OR FLOOR



PIPE PENETRATIONS

NO SCALE



SINGLE VANE ELBOW UP TO 20" IN WIDTH

SINGLE VANE DETAIL

SMALL DOUBLE VANE RUNNER DETAIL

SMALL DOUBLE VANE SQUARE ELBOW UP TO 36" IN WIDTH

SMALL DOUBLE VANE DETAIL

LARGE DOUBLE VANE DETAIL

LARGE DOUBLE VANE SQUARE ELBOW MORE THAN 36" IN WIDTH

LARGE DOUBLE VANE RUNNER DETAIL

SQUARE AND RECTANGULAR ELBOWS - LOW VELOCITY

NO SCALE

ABBREVIATIONS

Table of abbreviations for electrical symbols, organized by letter from A to Z. Includes terms like AMPERES, ALTERNATING CURRENT, AIR CONDITIONING UNIT, etc.

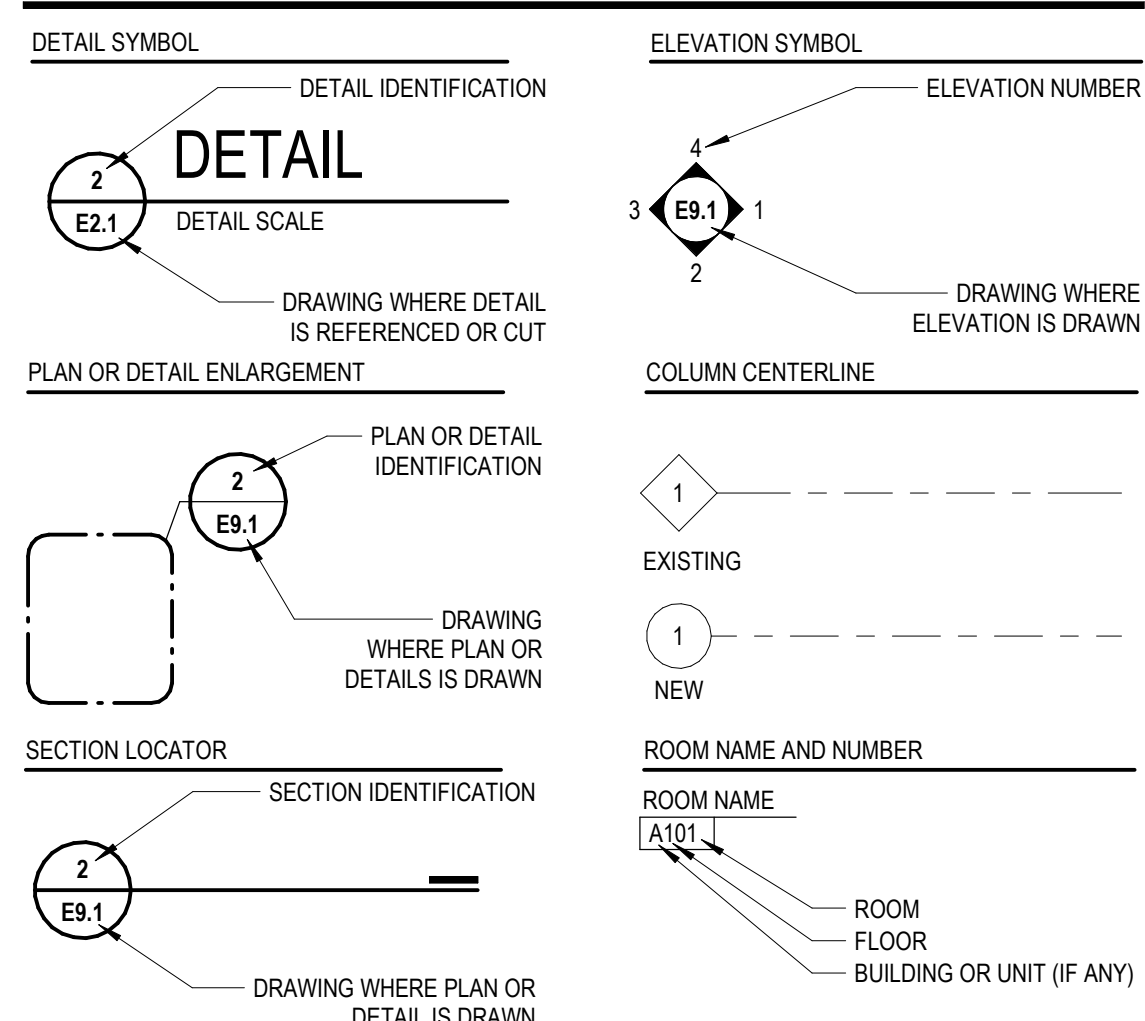
ELECTRICAL DRAWING INDEX

Index table for electrical drawing symbols, listing symbols like ER0, E4.1, E4.2, E5.1 and their corresponding descriptions.

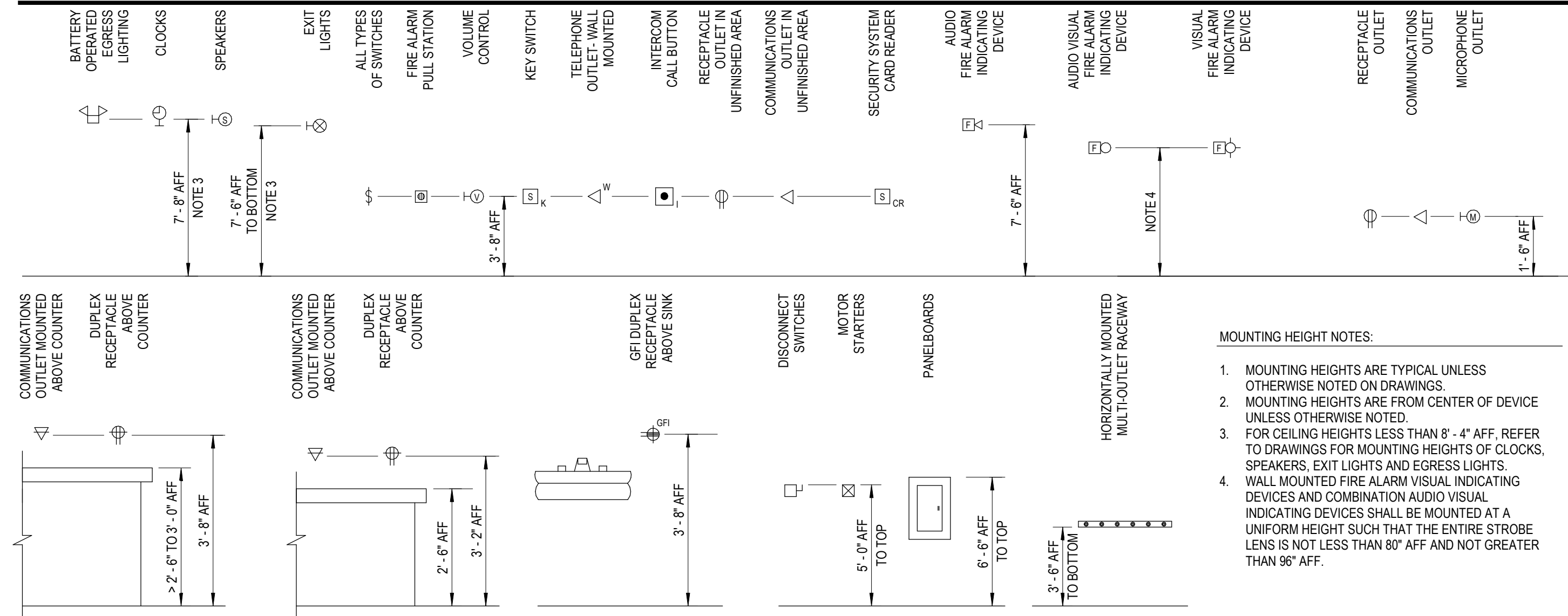


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troy, michigan 48098

SYMBOL LEGEND



MOUNTING HEIGHTS



SYMBOLS (LETTERS (X) INDICATE TYPE, TYPICAL)

Large table of electrical symbols and their descriptions, categorized into Lighting, Power, and Auxiliary Systems.

PROJECT GENERAL NOTES

- List of project general notes detailing requirements for installation, materials, and safety. Includes notes about disconnecting items, mounting heights, and labor requirements.



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Key Plan

THIS PROJECT MAY NOT UTILIZE ALL THE SYMBOLS, MATERIALS, ABBREVIATIONS AND STANDARDS INFORMATION SHOWN ON THIS SHEET

Table of project administration roles including Project Administrator, Project Designer, Project Architect/Engineer, and Drawing Scale.

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Design Development 07-03-2024

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IDS Drawing Title

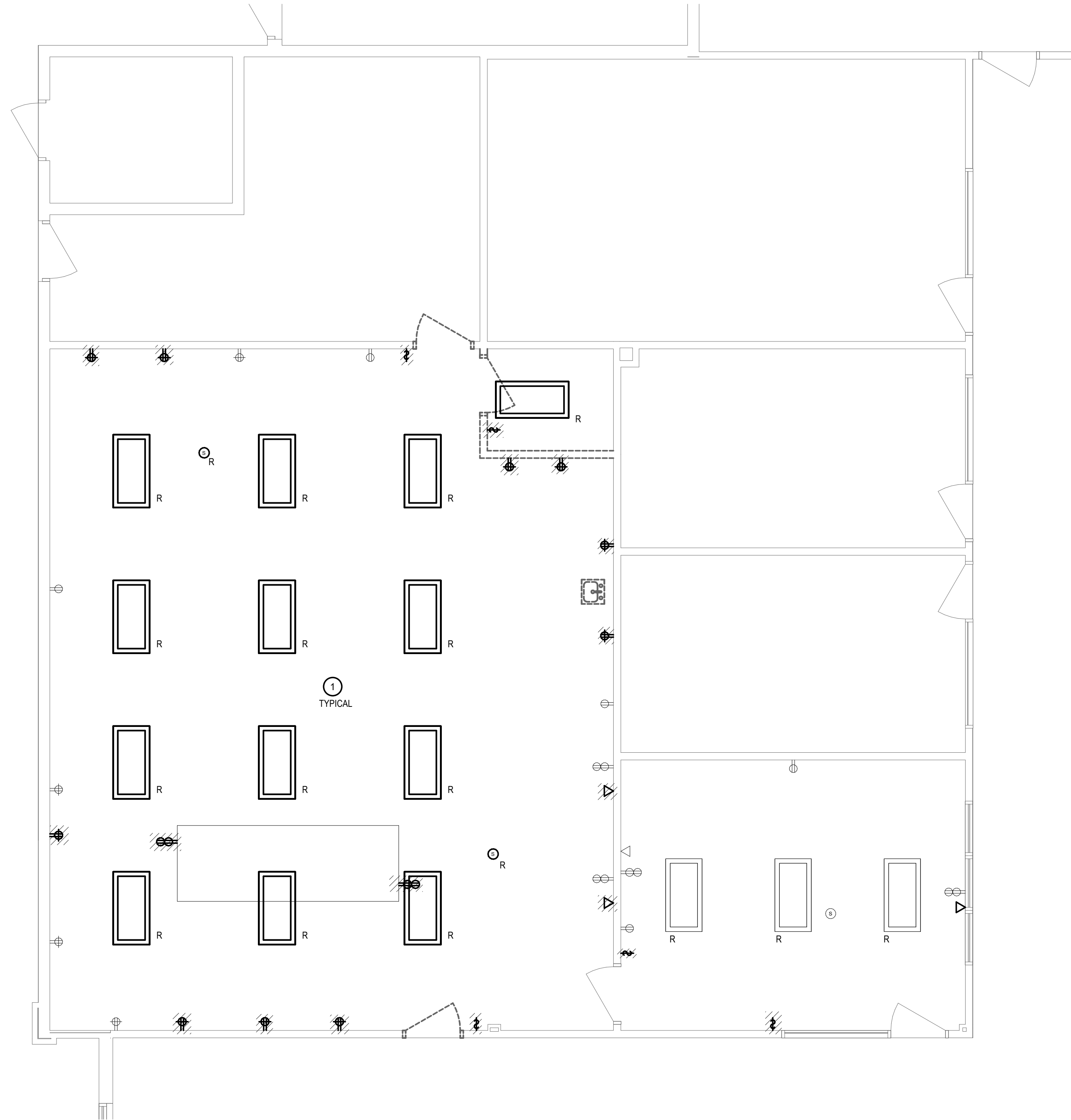
Electrical Reference Information

KEY NOTES

- ① DISCONNECT AND REMOVE LIGHTING BRANCH CIRCUIT TO THE NEAREST LIGHTING JUNCTION IN CEILING SPACE. REMOVE, SALVAGE AND STORE LIGHTING FIXTURES FOR REUSE.



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① **FIRST FLOOR ELECTRICAL DEMOLITION PLAN**
 1/4" = 1'-0"

Project Title

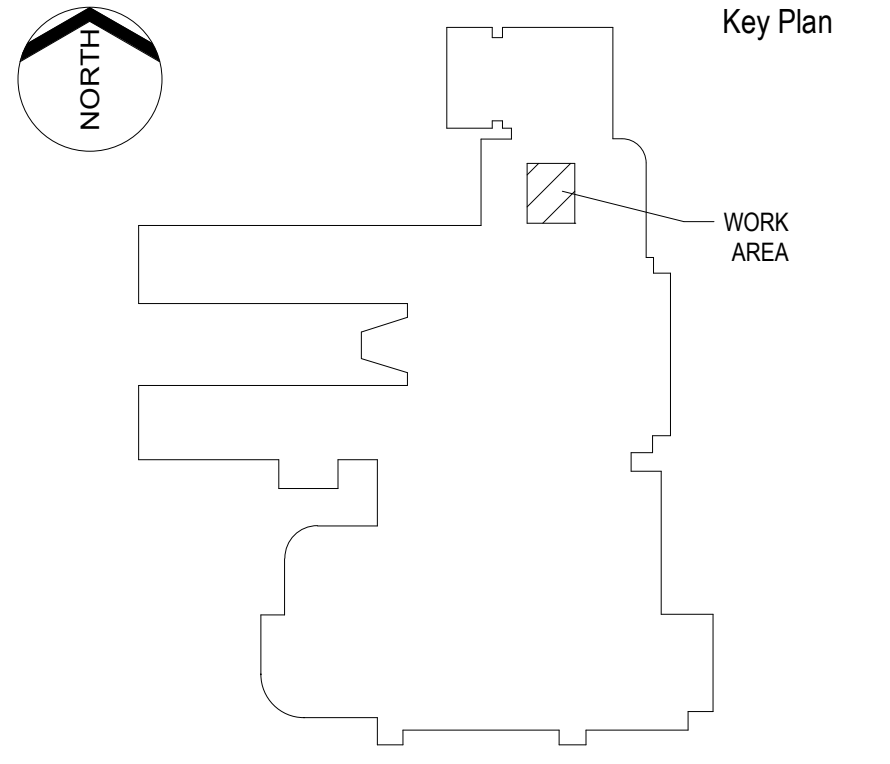


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Key Plan



Project Administrator

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Project Designer

T. Morgan

Project Architect / Engineer

T. Morgan

Drawn By

T. Morgan

Q.M. Review

Approved

-

Drawing Scale

As Indicated

Issued for

Design Development

Issue Date

07-03-2024

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IDS Drawing Title

Enlarged Plan

IDS Project Number

24167-1000

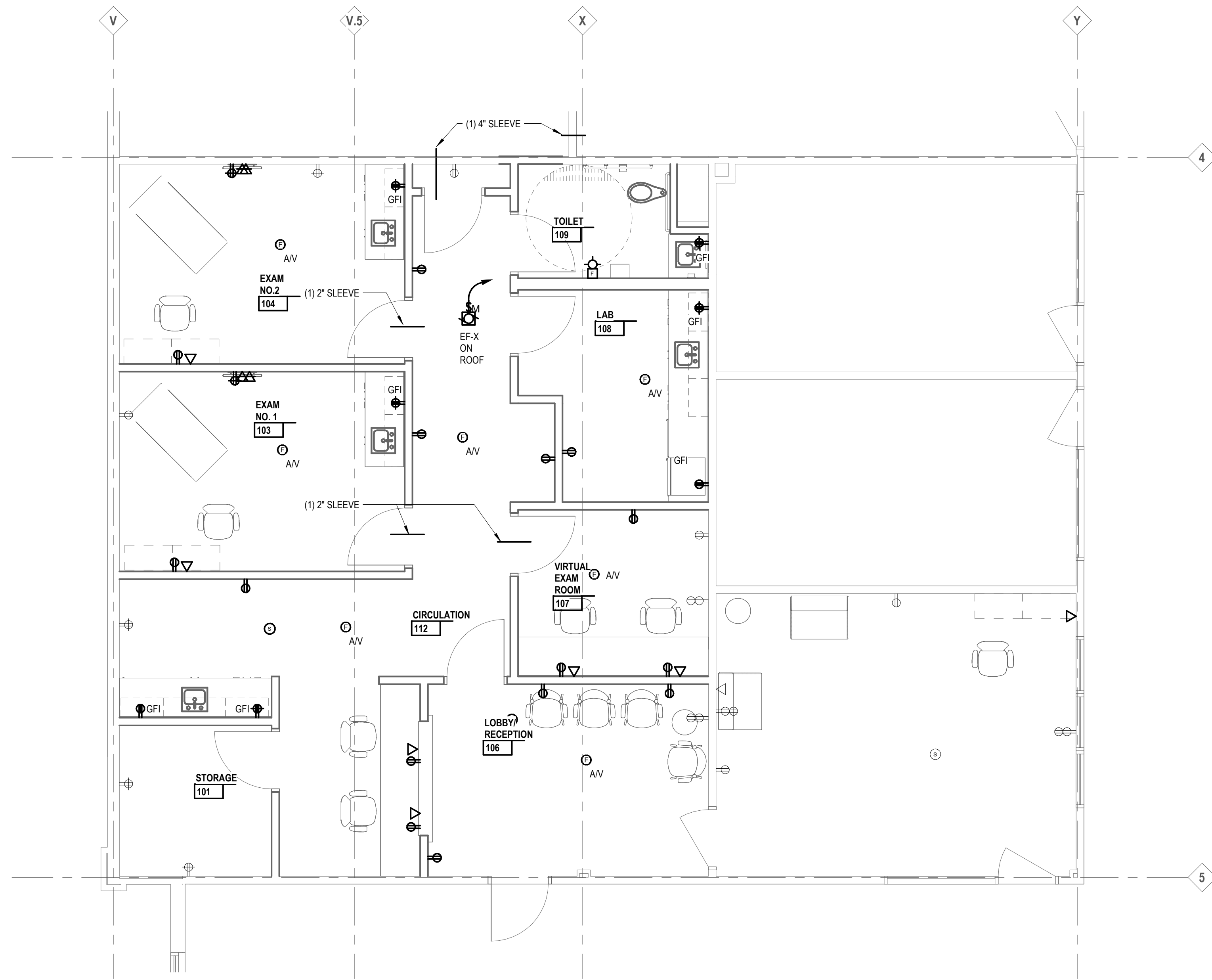
Drawing Number

E4.1

7/3/2024 8:26:56 AM Autodesk Docs/Van Buren Public Schools (2023)/VPS/IS Clinic/E231.rvt

KEY NOTES

- ① EXTEND EXISTING LIGHTING BRANCH CIRCUIT LOCATED IN NEW LIGHTING FIXTURES.



2 FIRST FLOOR POWER & AUXILIARY SYSTEMS PLAN
 1/4" = 1'-0"



1 FIRST FLOOR LIGHTING PLAN
 1/4" = 1'-0"

LIGHTING FIXTURE SCHEDULE

LA	DESCRIPTION:	2' x 4' RECESSED LED BACKLIT FLAT PANEL WITH 4800 NOMINAL LUMEN PACKAGE, 3" MAXIMUM THICKNESS, POST PAINTED GALVANIZED STEEL HOUSING, WHITE PAINTED ALUMINUM OR 20 GA. STEEL FRAME CONSTRUCTION, FACTORY INSTALLED DIE-FORMED DRIVER BOX ACCESSIBLE ABOVE, 0.125" THICK (MIN) PMMA OPAL FORSTED LENS, 100 LPW MIN EFFICACY, INTEGRAL SURGE PROTECTION, DRIVER DISCONNECT, L70 PROJECTED LIFE OF >90K HOURS AT 25 DEGREES CELSIUS AMBIENT TEMPERATURE, 120 VOLT, TAGE REPLACEMENT POWER SUPPLY WITH FLICKER FREE, 10% MINIMUM DIMMING, T-BAR CLIPS FOR INSTALLATION IN A LAY-IN CEILING, DLC LISTED AND UL DAMP LOCATION LISTING.
	MANUFACTURER:	ACUITY: SPX SERIES
	SOURCE:	MINIMUM 80 CRI, 3500K CCT, 4800 LUMENS
	INPUT WATTS:	43
LAE	DESCRIPTION:	SAME AS TYPE "LA", EXCEPT PROVIDE INTEGRAL EMERGENCY BATTERY RATED FOR 1541 LUMENS AT 10-14 W PROVIDING CONTINUOUS RATED LIGHT OUTPUT FOR 90 MINUTES.
	MANUFACTURER:	ACUITY: SPX SERIES
	SOURCE:	MINIMUM 80 CRI, 3500K CCT
	INPUT WATTS:	43
LB	DESCRIPTION:	SAME AS TYPE "LA" EXCEPT 1' x 4', MOUNTED IN GYPSUM CEILING
	MANUFACTURER:	ACUITY: SPX SERIES
	SOURCE:	MINIMUM 80 CRI, 4800 DELIVERED LUMENS, 3500K CCT
	MAX INPUT WATTS:	39 WATTS MAXIMUM
XA	DESCRIPTION:	SINGLE FACE, UNIVERSAL WALL MOUNT LED EMERGENCY EXIT LUMINAIRE WITH DIE-CAST ALUMINUM FRAME, BACK PLATE AND MOUNTING CANOPY, WHITE DIE-CAST ALUMINUM (HOUSING), DIE-CAST ALUMINUM WHITE FACE, RED STENCIL STYLE LETTERS, DIRECTIONAL ARROWS AS INDICATED ON PLAN, LED LAMPS WITH DRIFUSE PCL Y-CARBONATE LENS, SEALED MAINTENANCE FREE NICKEL CADMIUM BATTERY, LOW VOLTAGE DISCONNECT, SOLID STATE FULLY AUTOMATIC AND CURRENT LIMITED CHARGER, BOTTOM MOUNTED TEST SWITCH PILOT LIGHT, BROWNOUT PROTECTION, FILTERED POWER SUPPLY TO PROTECT LEDS FROM SURGES, AND FULL SET F-DIAGNOSTICS, DUAL 120/277 VOLT NORMAL OPERATION AND UL LISTED, PROVIDE WIRE GUARD WHERE INDICATED ON PLANS
	MANUFACTURER:	LITHONIA: LE SERIES
	SOURCE:	FURNISHED WITH FIXTURE
	INPUT WATTS:	1.2W (SINGLE)

Project Title

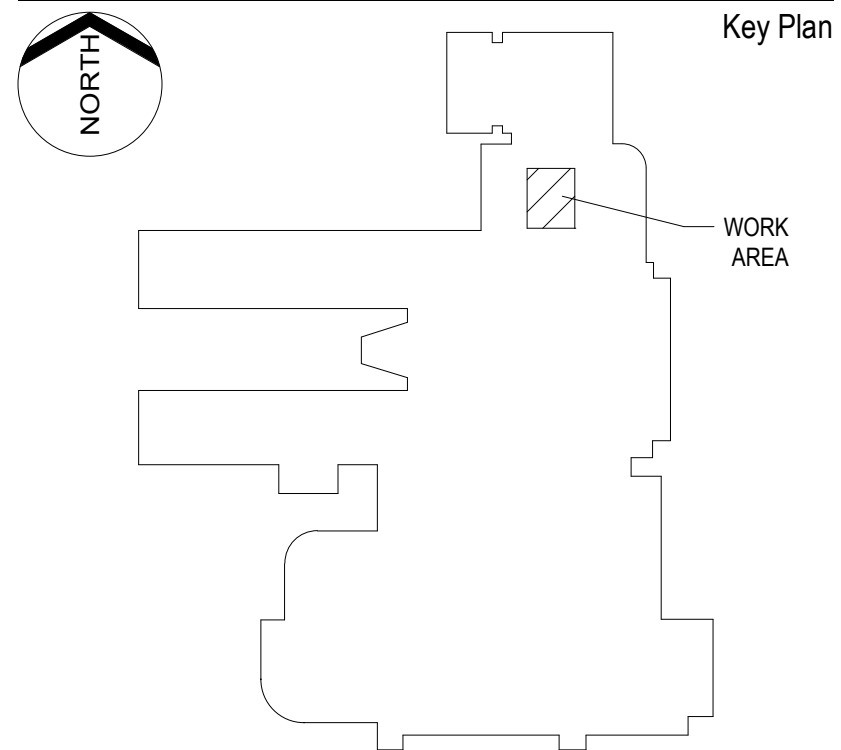


Van Buren Public Schools

RAHS Belleville High School

501 W Columbia Ave
 Belleville, MI 48111

Key Plan



Project Administrator

A. Maurer

Project Designer

Designer

Project Architect / Engineer

T. Morgan

Drawn By

Author

Q.M. Review

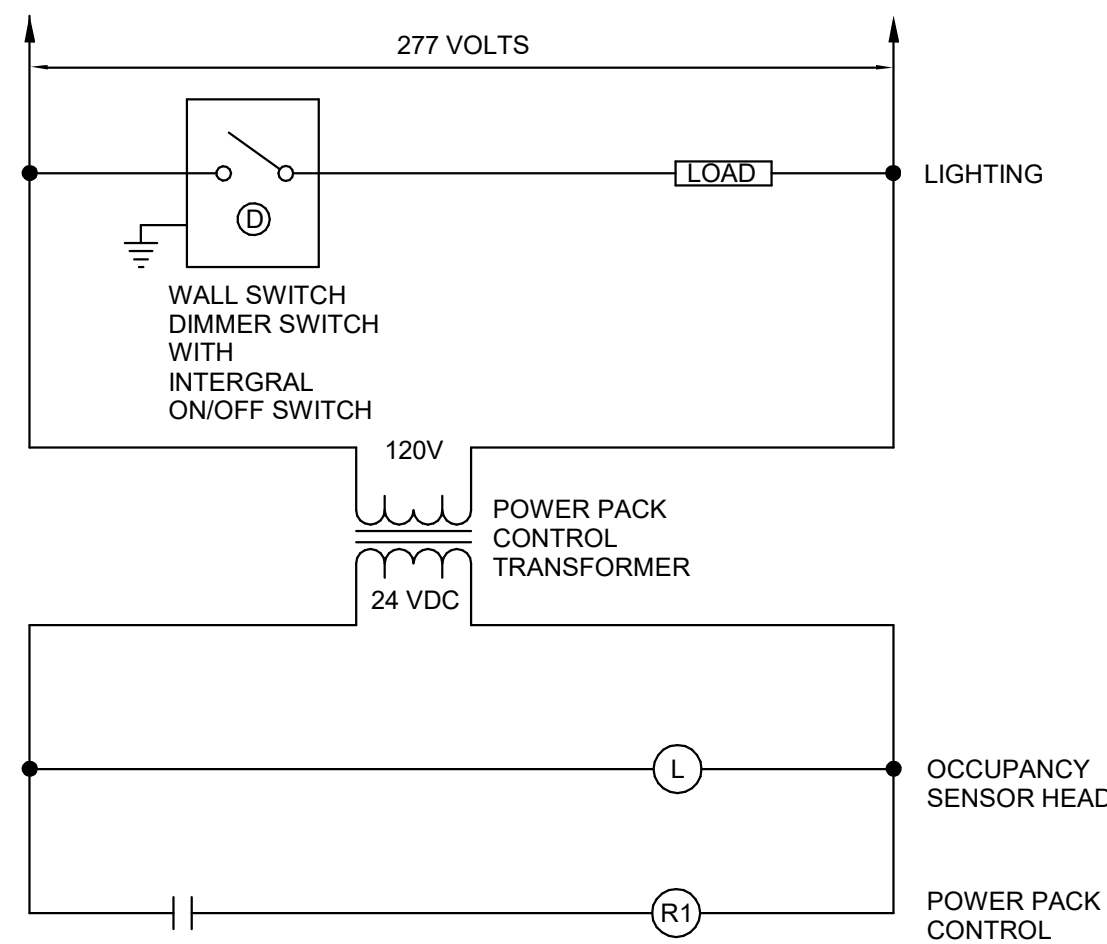
Approved

Drawing Scale

Issued for

Issue Date

Enlarged Plans

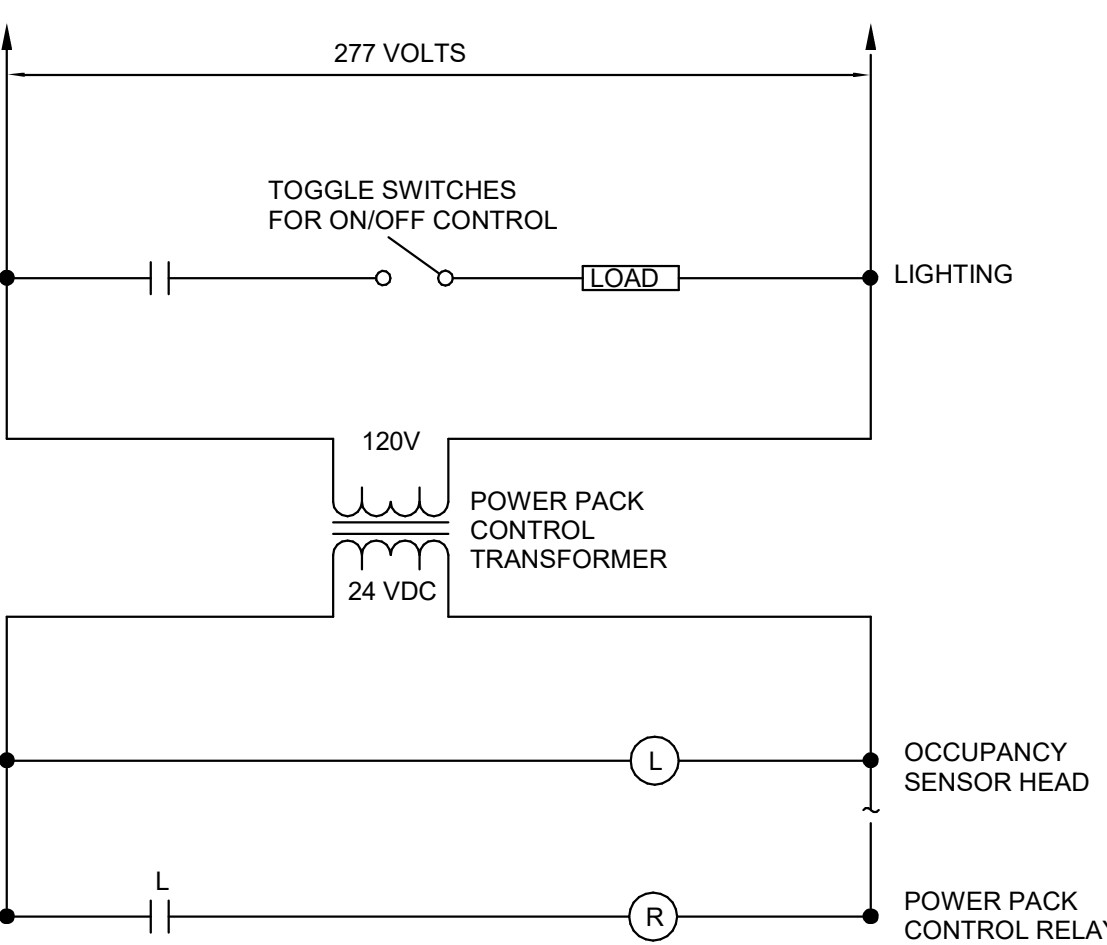


CEILING OCCUPANCY SENSOR WITH DIMMER LIGHTING CONTROL

- NO SCALE
- NOTES:
1. ALL LOW VOLTAGE WIRING SHALL BE #18 AWG MINIMUM.
 2. MULTIPLE SENSORS AND RELAY CONTROL PANEL OPERATING ONE LOAD.

CEILING OCCUPANCY SENSOR WITH DIMMER LIGHTING CONTROL

Not To Scale

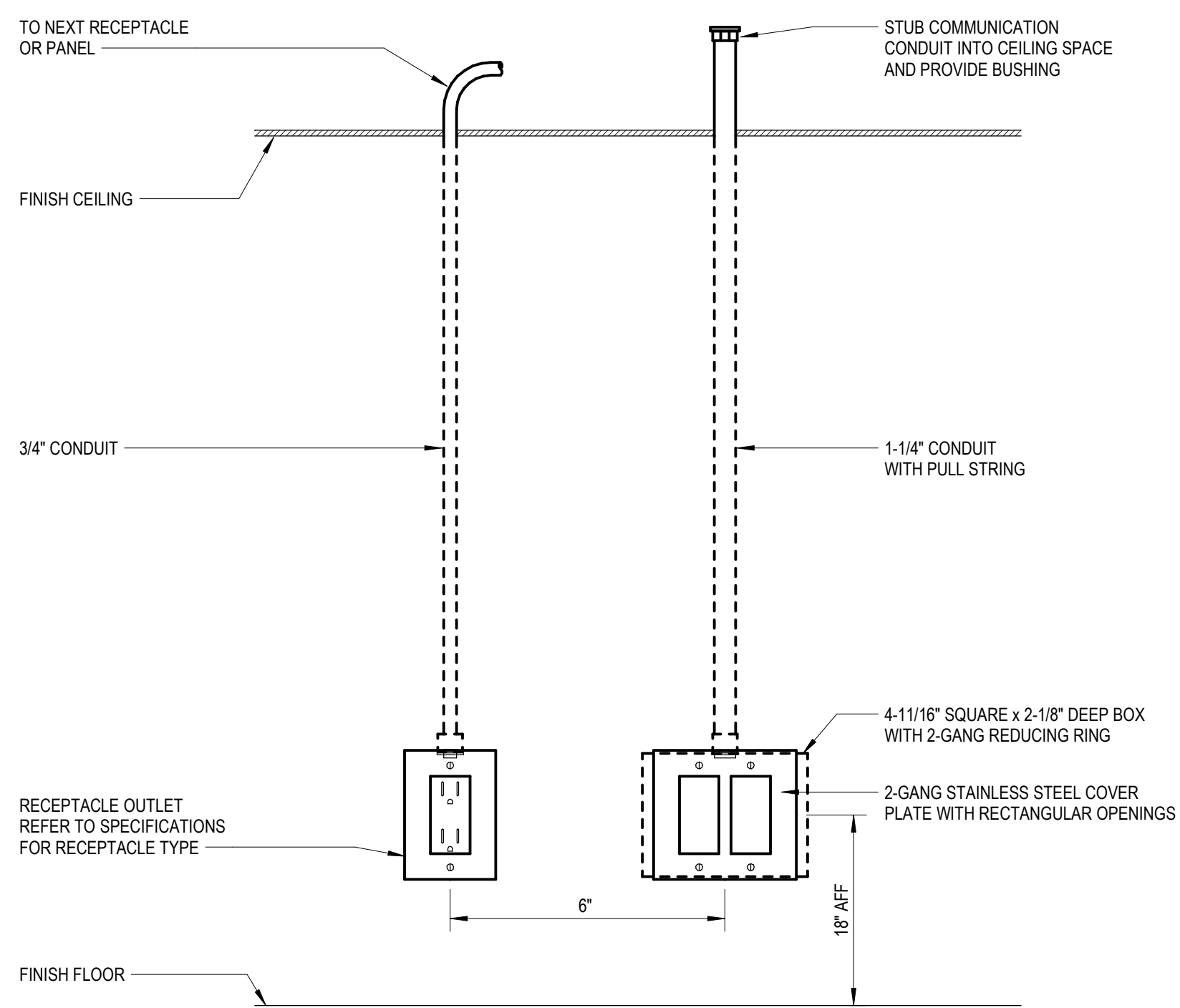


CEILING OCCUPANCY SENSOR SINGLE HEAD SINGLE LEVEL LIGHTING CONTROL

- NO SCALE
- NOTES:
1. ALL LOW VOLTAGE WIRING SHALL BE #18 AWG MINIMUM.
 2. SINGLE SENSOR AND RELAY CONTROL PANEL OPERATING ONE LOAD.

CEILING OCCUPANCY SENSOR SINGLE HEAD SINGLE LEVEL LIGHTING CONTROL

Not To Scale



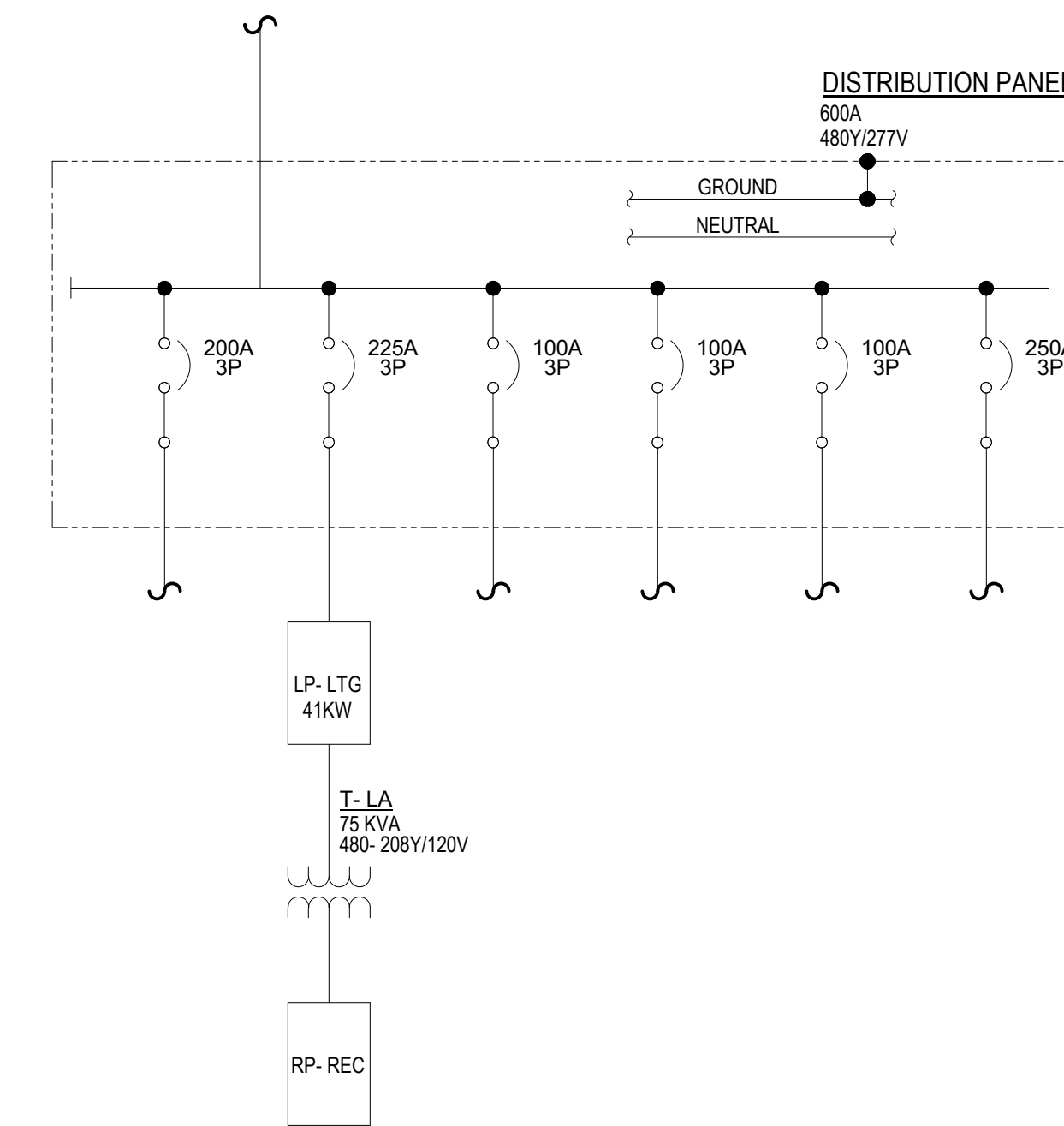
TYPICAL WALL MOUNTED POWER AND COMMUNICATION OUTLET DETAIL

Not To Scale

CONDUIT AND WIRE SCHEDULE			
COPPER CONDUCTORS			
3 PHASE, 3 WIRE WITH GROUND		3 PHASE, 4 WIRE WITH GROUND	
TAG	FILL	TAG	FILL
20G	3#12, 1#12 GRD - 3/4"C	20NG	4#12, 1#12 GRD - 3/4"C
30G	3#10, 1#10 GRD - 3/4"C	30NG	4#10, 1#10 GRD - 3/4"C
40G	3#8, 1#10 GRD - 3/4"C	40NG	4#8, 1#10 GRD - 1"C
55G	3#6, 1#10 GRD - 1"C	55NG	4#6, 1#10 GRD - 1 1/4"C
70G	3#4, 1#8 GRD - 1 1/4"C	70NG	4#4, 1#8 GRD - 1 1/4"C
85G	3#3, 1#8 GRD - 1 1/4"C	85NG	4#3, 1#8 GRD - 1 1/4"C
95G	3#2, 1#8 GRD - 1 1/4"C	95NG	4#2, 1#8 GRD - 1 1/2"C
110G	3#1, 1#6 GRD - 1 1/2"C	110NG	4#1, 1#6 GRD - 2"C
150G	3#1/0, 1#6 GRD - 1 1/2"C	150NG	4#1/0, 1#6 GRD - 2"C
175G	3#2/0, 1#6 GRD - 2"C	175NG	4#2/0, 1#6 GRD - 2"C
200G	3#3/0, 1#6 GRD - 2"C	200NG	4#3/0, 1#6 GRD - 2 1/2"C
230G	3#4/0, 1#4 GRD - 2"C	230NG	4#4/0, 1#4 GRD - 2 1/2"C
255G	3#250 KCMIL, 1#4 GRD - 2"C	255NG	4#250 KCMIL, 1#4 GRD - 2 1/2"C
285G	3#300 KCMIL, 1#4 GRD - 2 1/2"C	285NG	4#300 KCMIL, 1#4 GRD - 3"C
310G	3#350 KCMIL, 1#3 GRD - 2 1/2"C	310NG	4#350 KCMIL, 1#3 GRD - 3"C
380G	3#600 KCMIL, 1#3 GRD - 3"C	380NG	4#600 KCMIL, 1#3 GRD - 3 1/2"C
420G	3#600 KCMIL, 1#3 GRD - 3"C	420NG	4#600 KCMIL, 1#3 GRD - 3 1/2"C
510G	2@4#250 KCMIL, 1#2 GRD - 2 1/2"C	510NG	2@4#250 KCMIL, 1#2 GRD - 2 1/2"C
620G	2@4#350 KCMIL, 1#1 GRD - 2 1/2"C	620NG	2@4#350 KCMIL, 1#1 GRD - 3"C
780G	2@4#600 KCMIL, 1#1/0 GRD - 3"C	780NG	2@4#600 KCMIL, 1#1/0 GRD - 3 1/2"C
800G	2@4#600 KCMIL, 1#1/0 GRD - 3 1/2"C	800NG	2@4#600 KCMIL, 1#1/0 GRD - 3 1/2"C
1000G	3@4#500 KCMIL, 1#2/0 GRD - 3"C	1000NG	3@4#500 KCMIL, 1#2/0 GRD - 3 1/2"C
1200G	3@4#600 KCMIL, 1#3/0 GRD - 3 1/2"C	1200NG	3@4#600 KCMIL, 1#3/0 GRD - 3 1/2"C
1600G	4@4#600 KCMIL, 1#4/0 GRD - 3 1/2"C	1600NG	4@4#600 KCMIL, 1#4/0 GRD - 3 1/2"C
2000G	5@4#600 KCMIL, 1#250 KCMIL GRD - 3 1/2"C	2000NG	5@4#600 KCMIL, 1#250 KCMIL GRD - 4"C

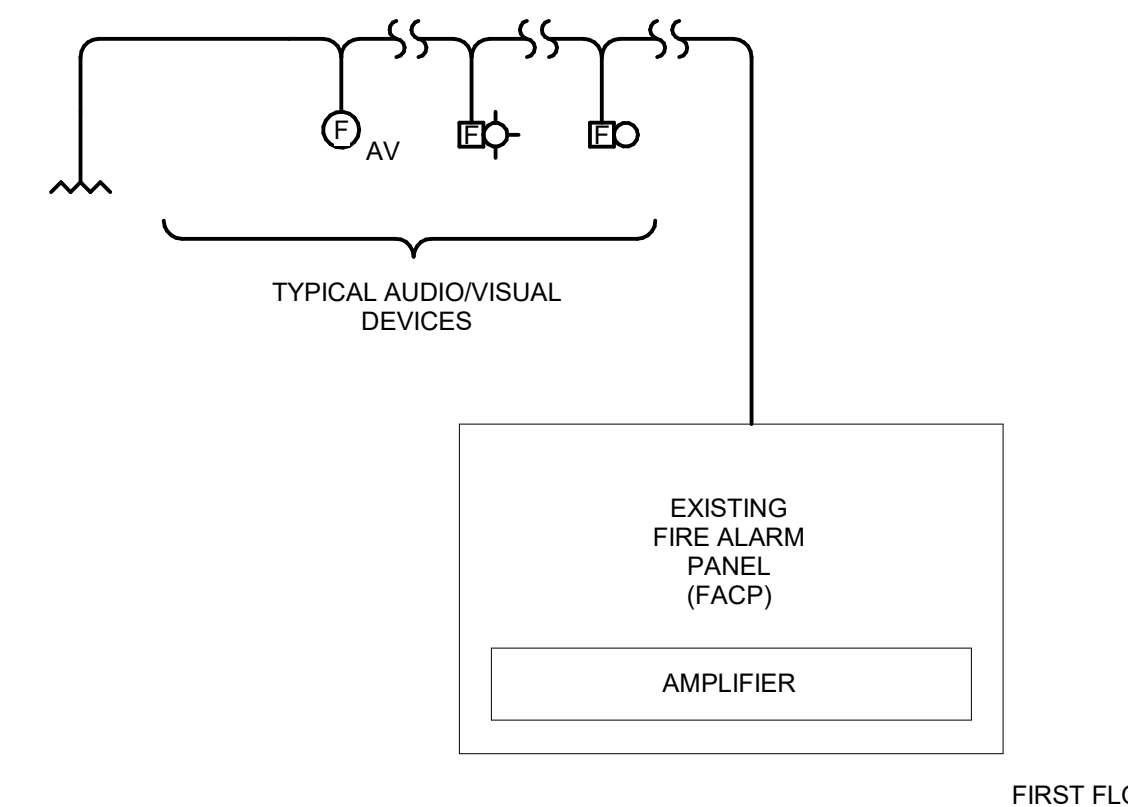
- NOTES:
1. GROUND WIRES SHOWN IN CONDUIT AND WIRE SCHEDULE ARE EQUIPMENT GROUNDING CONDUCTORS SIZED PER NEC 250.122.
 2. GROUNDING ELECTRODE CONDUCTORS FOR SERVICE ENTRANCE AND FOR TRANSFORMER NEUTRALS SHALL BE SIZED PER NEC TABLE 250.66.
 3. MAIN BONDING JUMPER AND SYSTEM BONDING JUMPER FOR MAIN SERVICE AND SEPARATELY DERIVED SYSTEMS SHALL BE SIZED PER NEC 250.28(C) AND TABLE 250.102(C)(1).
 4. CONDUIT FILL BASED ON CONDUCTOR INSULATION TYPES AS INDICATED. CONDUIT FILL BASED ON EMT, IMC, RMC, FMC, LFMC, AND PVC SCHEDULE 40 CONDUIT TYPES. ALL OTHER CONDUIT TYPES, INCLUDING PVC SCHEDULE 80, SHALL BE SIZED PER NEC CHAPTER 9.
 5. CONDUCTOR AMPACITY IS BASED ON TEMPERATURE RATING INDICATED AND NEC TABLE 310.15(B)(16).

TRANSFORMER SECONDARY WIRE SCHEDULE			
COPPER CONDUCTORS			
480/208/120V XLMR KVA		3 PHASE, 4 WIRE WITH SUPPLY SIDE BONDING JUMPER	
OCF	TAG	FILL	
15	60A	70NG	4#4, 1#8 GRD - 1 1/4"C
30	100A OR 110A	110NG	4#1, 1#6 GRD - 2"C
45	175A	175NG	4#2/0, 1#4 GRD - 2"C
75	250A	255NG	4#250 KCMIL, 1#2 GRD - 2 1/2"C
	300A	310NG	4#350 KCMIL, 1#2 GRD - 3"C
112.5	400A	420NG	4#600 KCMIL, 1#1/0 GRD - 3 1/2"C
	400A	420NG	4#600 KCMIL, 1#1/0 GRD - 3 1/2"C
150	500A	510NG	2@4#250 KCMIL, 1#1/0 GRD - 2 1/2"C
	600A	620NG	2@4#350 KCMIL, 1#2/0 GRD - 3"C
225	800A	800NG	2@4#600 KCMIL, 1#3/0 GRD - 3 1/2"C
	800A	800NG	2@4#600 KCMIL, 1#3/0 GRD - 3 1/2"C
300	1000A	1000NG	3@4#500 KCMIL, 1#4/0 GRD - 3 1/2"C



PARTIAL ONE LINE DIAGRAM

Not To Scale



- NOTES:
1. ELECTRICAL CONTRACTOR SHALL VERIFY ALL REQUIRED WIRE SIZES AND QUANTITIES WITH THE FIRE ALARM SYSTEM MANUFACTURER. ALL WIRING SHALL BE COLOR CODED AND CLEARLY TAGGED.
 2. ALL WIRING INSULATION SHALL BE TYPE AS APPROVED PER THE FIRE ALARM CODE REQUIREMENTS.
 3. SCHEMATIC DIAGRAM INDICATES GENERAL LAYOUT & INTENT OF SYSTEM DESIGN. REFER TO POWER & AUXILIARY SYSTEMS PLANS FOR EXACT QUANTITIES AND LOCATIONS OF DEVICES.
 4. NEW FIRE ALARM DEVICES CONNECTED TO EXISTING FIRE ALARM SYSTEM. EXISTING SYSTEM IS NATIONAL TIME AND SIGNAL.
 5. ALL SURFACE MOUNTED FIRE ALARM DEVICES SHALL BE INSTALLED IN WIREMOLD.

Fire Alarm Schematic Diagram

Not To Scale



Van Buren Public Schools

RAHS Belleville High School

501 W Columbia Ave
Belleville, MI 48111

Key Plan

Project Administrator	A. Maurer
Project Designer	T. Morgan
Project Architect / Engineer	T. Morgan
Drawn By	T. Morgan
Q.M. Review	J.M. Review
Approved	-
Drawing Scale	-

Issued for	Issue Date
Design Development	07-03-2024

ABBREVIATIONS

A	ALTERNATING CURRENT ABOVE FINISH FLOOR AIR HANDLING UNIT ASSISTED LISTENING SYSTEM ALTERNATE ANTENNA ARCHITECT. ARCHITECTURAL ATS AUTOMATIC TRANSFER SWITCH AV AUDIOVISUAL AWG AMERICAN WIRE GAUGE	D	DAMPERS DATA DIGITALLY ADDRESSABLE DIRECT CURRENT DEMOLISH, DEMOLITION DEMODULATOR DEPARTMENT DISTRICT HEADEND DIAMETER DMARC DOWN DISTRIBUTION PANEL DIGITAL VERSATILE DISC DRAWING	G	GAGE/GAUGE GROUND FAULT INTERRUPTER GROUND FAULT CIRCUIT INTERRUPTER GROUND GYPSUM BOARD	L	LAN LAMP LCD LED LCP LIT LTP	P	LOCAL AREA NETWORK LINE ARRAY SPEAKERS LIQUID CRYSTAL DISPLAY LIGHTING CONTROL PANEL LIGHT EMITTING DIODE LIGHTING PANEL LIGHTING	T	T.C. TELECOMMUNICATIONS TEL TELEPHONE TELECOM TELECOMMUNICATIONS TERM TERMINAL TIBSD TRACKBOARD TR TAMPER RESISTANT TTB TELEPHONE TERMINAL BACKBOARD TTC TELEPHONE TERMINAL CABINET TV TELEVISION TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR TX TRANSMITTER TYP TYPICAL	MISC	MISC 3R NEMA 3R 4X NEMA 4X X OR C BY # CENTERLINE ° DEGREES ' FOOT, FEET " INCH, INCHES # NUMBER PH PHASE % PERCENT, PERCENTAGE		
B	BLDG BUILDING BE BUILDING ENTRANCE BOT BOTTOM BSMT BASEMENT BTU BRITISH THERMAL UNITS	E	EACH ELECTRICAL CONTRACTOR ELECTRICAL ELEVATOR EMERGENCY ELECTRIC METALLIC TUBING ELECTRIC POWER TRANSJUCER EQUIPMENT ETHERNET EXISTING	I	INTERMEDIATE DISTRIBUTION FRAME ISOLATED GRAND INPUT / OUTPUT INCHES INTERNET PROTOCOL INFRARED	M	MAXIMUM MASTER CLOCK MOUNTING HEIGHT MECHANICAL MICROPHONE MINIMUM MISCELLANEOUS MODULATOR MONITOR MOUNTING	R	RELOCATE OR RELOCATED ITEM REQUIRED RADIO FREQUENCY RIGID GALVANIZED STEEL RECEIVER	S	PROJECTOR SCREEN SMOKE DETECTOR SQUARE FEET SPECIFICATIONS SPEAKER SURGE SUPPRESSION STANDARD SWITCH	U	UNDERWRITERS LABORATORIES, INC. UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNIVERSAL SERIAL BUS	V	VOICE VOLUME CONTROL VIDEO CASSETTE RECORDER VERIFY IN FIELD VOICE OVER INTERNET PROTOCOL
C	CAB CABINET CATV CABLE TELEVISION CB CIRCUIT BREAKER CCP CLASSROOM CONTROL PANEL CCTV CLOSED CIRCUIT TELEVISION CHBD CHALKBOARD CMT CIRCUIT CLG CEILING COMP COMPUTER CPU CENTRAL PROCESSING UNIT CP CONTROL PANEL CT CABLE TRAY	F	FIRE ALARM FIRE ALARM ANNUNCIATING PANEL FIRE ALARM CONTROL PANEL FLOOR BOX FIBER OPTIC EXISTING	J	JUNCTION BOX JANITORS CLOSET	N	NORMALLY CLOSED NORMALLY OPEN NOT TO SCALE	O	ON CENTER OWNER FURNISHED CONTRACTOR... OWNER FURNISHED EQUIPMENT OCCUPANCY SENSOR	W	WIRELESS WIDE AREA NETWORK WIRELESS ACCESS POINT WHITEBOARD WIRE GUARD WLAN WIRELESS LOCAL AREA NETWORK WP WEATHER PROOF	U	UNDERWRITERS LABORATORIES, INC. UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNIVERSAL SERIAL BUS	V	VOICE VOLUME CONTROL VIDEO CASSETTE RECORDER VERIFY IN FIELD VOICE OVER INTERNET PROTOCOL
C	CAB CABINET CATV CABLE TELEVISION CB CIRCUIT BREAKER CCP CLASSROOM CONTROL PANEL CCTV CLOSED CIRCUIT TELEVISION CHBD CHALKBOARD CMT CIRCUIT CLG CEILING COMP COMPUTER CPU CENTRAL PROCESSING UNIT CP CONTROL PANEL CT CABLE TRAY	F	FIRE ALARM FIRE ALARM ANNUNCIATING PANEL FIRE ALARM CONTROL PANEL FLOOR BOX FIBER OPTIC EXISTING	J	JUNCTION BOX JANITORS CLOSET	N	NORMALLY CLOSED NORMALLY OPEN NOT TO SCALE	O	ON CENTER OWNER FURNISHED CONTRACTOR... OWNER FURNISHED EQUIPMENT OCCUPANCY SENSOR	W	WIRELESS WIDE AREA NETWORK WIRELESS ACCESS POINT WHITEBOARD WIRE GUARD WLAN WIRELESS LOCAL AREA NETWORK WP WEATHER PROOF	U	UNDERWRITERS LABORATORIES, INC. UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNIVERSAL SERIAL BUS	V	VOICE VOLUME CONTROL VIDEO CASSETTE RECORDER VERIFY IN FIELD VOICE OVER INTERNET PROTOCOL

TECHNOLOGY DRAWING INDEX

TR0	Technology Reference Information
T4.1	Enlarged Plans
T7.1	Details

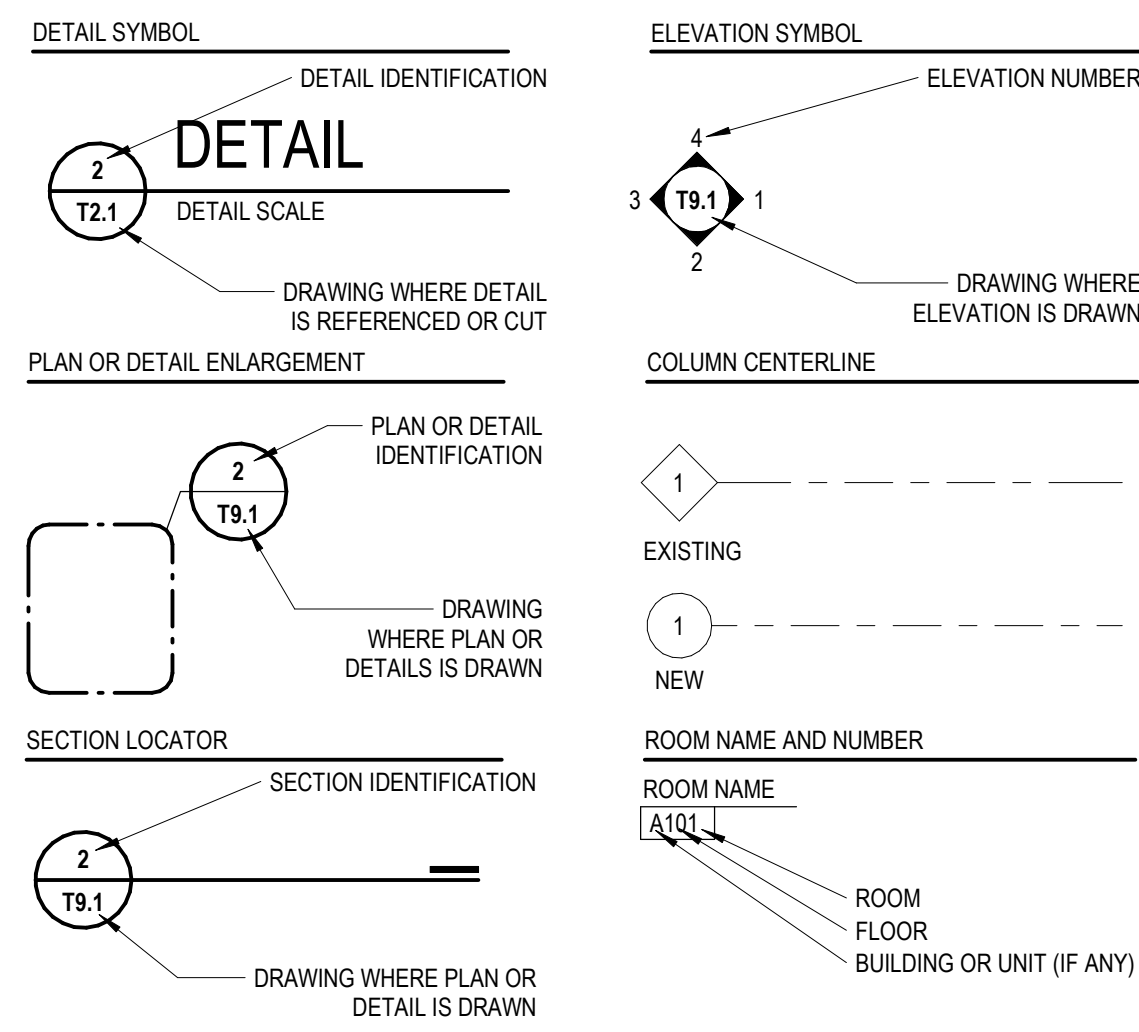
INTEGRATED design SOLUTIONS
architecture engineering interiors & technology

1441 west long lake, suite 200
troy, michigan 48098

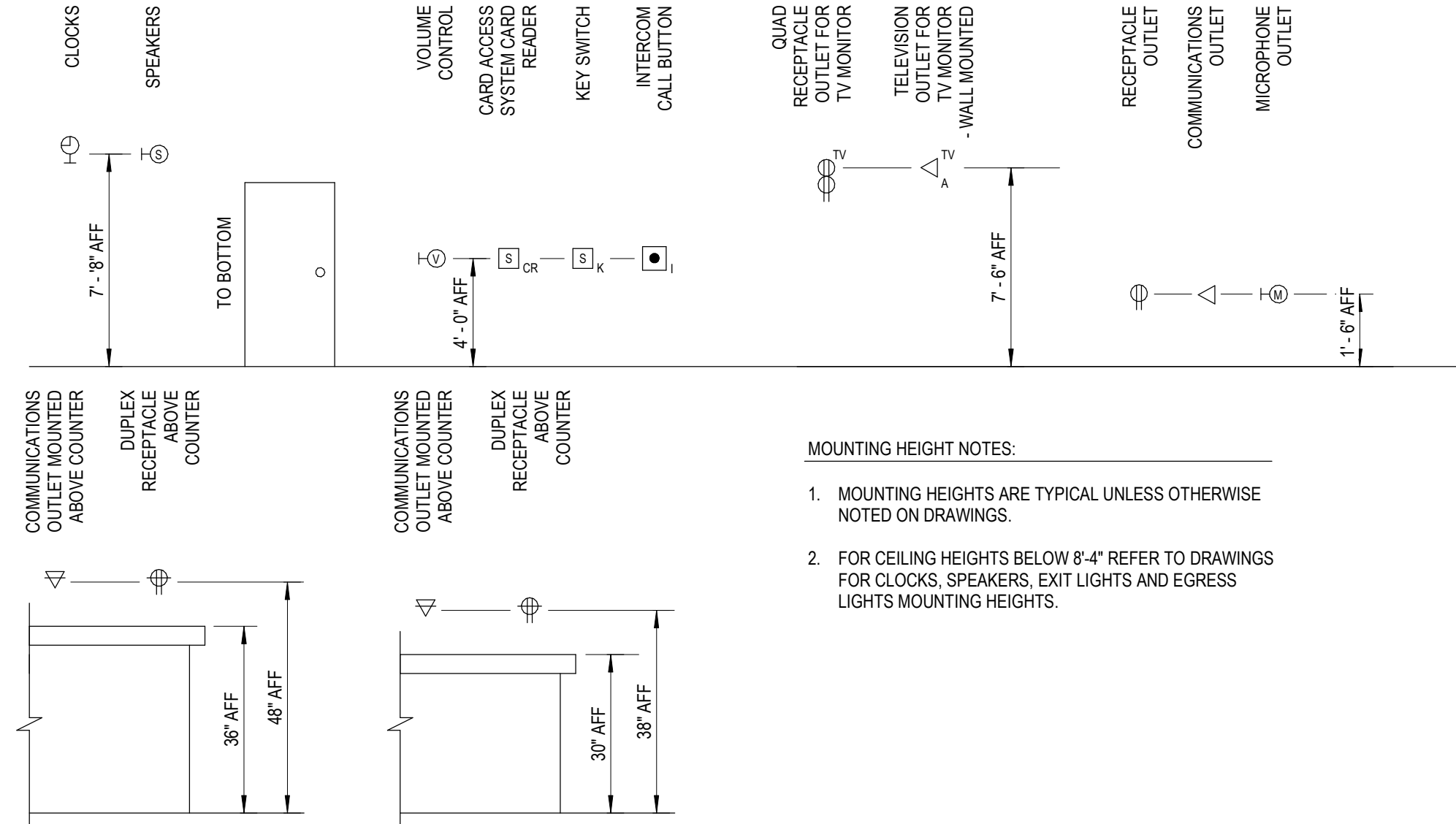
5211 cascade road SE, suite 300
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SYMBOL LEGEND



MOUNTING HEIGHTS



SYMBOLS (LETTERS (X) INDICATE TYPE, TYPICAL - SEE ABBREVIATIONS ABOVE)

POWER	SINGLE RECEPTACLE OUTLET DUPLICATE RECEPTACLE OUTLET DUPLICATE RECEPTACLE OUTLET FLUSH MOUNTED IN CEILING FLUSH MOUNTED POWER ONLY FLOOR BOX DUPLICATE RECEPTACLE OUTLET MOUNTED ABOVE COUNTER DUPLICATE RECEPTACLE OUTLET WITH INTEGRAL GROUND FAULT PROTECTION DUPLICATE RECEPTACLE OUTLET CONNECTED TO UPSTREAM GROUND FAULT PROTECTION DEVICE DUPLICATE RECEPTACLE OUTLET WITH INTEGRAL SURGE SUPPRESSION DUPLICATE RECEPTACLE OUTLET CONNECTED TO UPSTREAM SURGE SUPPRESSION DEVICE DUPLICATE RECEPTACLE OUTLET SPLIT WIRED DUPLICATE RECEPTACLE OUTLET WITH ISOLATED GROUND QUAD RECEPTACLE OUTLET QUAD RECEPTACLE OUTLET MOUNTED ABOVE COUNTER QUAD RECEPTACLE OUTLET WITH ONE (1) INTEGRAL SURGE SUPPRESSION TYPE RECEPTACLE AND ONE (1) SURGE SUPPRESSION PROTECTED RECEPTACLE SPECIAL RECEPTACLE AS INDICATED POWER/COMMUNICATIONS POLE SPECIAL POWER CONNECTION CORD DROP POKE THROUGH ASSEMBLY LETTERS INDICATE TYPE (TYP) JUNCTION BOX - CEILING MOUNTED JUNCTION BOX - WALL MOUNTED PUSHBUTTON STATION - EMERGENCY POWER SHUTDOWN INTERCOM CALL BUTTON INTERCOM CALL BUTTON WITH PRIVACY HORIZONTALLY MOUNTED MULTI-OUTLET RACEWAY VERTICALLY MOUNTED MULTI-OUTLET RACEWAY BUS DUCT EQUIPMENT MOUNTING BACKBOARD 208/120V PANELBOARD 480/277V PANELBOARD	DISTRIBUTION OR POWER PANELBOARD SINGLE PHASE MOTOR THREE PHASE MOTOR MAGNETIC MOTOR STARTER COMBINATION MAGNETIC MOTOR STARTER - SWITCH SIZE / FUSE SIZE NON-FUSED DISCONNECT SWITCH - SWITCH SIZE FUSED DISCONNECT SWITCH - SWITCH SIZE/FUSE SIZE ENCLOSED CIRCUIT BREAKER - CB RATING MAGNETIC CONTACTOR MANUAL MOTOR STARTER HORSEPOWER RATED SWITCH PACKAGED EQUIPMENT WITH INTEGRALLY MOUNTED PREWIRED CONTROL PANEL FURNISHED AS INTEGRAL PART OF EQUIPMENT TRANSFORMER GROUND ROD LIGHTNING PROTECTION AIR TERMINAL GROUND BUS BAR AS INDICATED	AUXILIARY CEILING MOUNTED SINGLE FACED CLOCK CEILING MOUNTED DOUBLE FACED CLOCK WALL MOUNTED SINGLE FACED CLOCK WALL MOUNTED DOUBLE FACED CLOCK COMBINATION WALL MOUNTED SPEAKER/CLOCK CEILING MOUNTED COMBINATION SPEAKER/CLOCK WALL MOUNTED DIGITAL CLOCK CEILING MOUNTED SPEAKER BIDIRECTIONAL WALL MOUNTED SPEAKER BIDIRECTIONAL CEILING MOUNTED SPEAKER CEILING MOUNTED SPEAKER CLUSTER WALL MOUNTED SPEAKER CEILING MOUNTED MICROPHONE OUTLET WALL MOUNTED MICROPHONE OUTLET WALL MOUNTED VOLUME CONTROL WALL MOUNTED BELL WALL MOUNTED CHIME WALL MOUNTED HORN SPEAKER CEILING MOUNTED HORN SPEAKER SECURITY SYSTEM ELECTRIC LATCH SECURITY SYSTEM CARD READER SECURITY SYSTEM DOOR CONTACT SECURITY SYSTEM KEY SWITCH SECURITY SYSTEM MOTION DETECTOR CEILING MOUNTED SECURITY CAMERA - ARROWS INDICATE FIELD OF VIEW WALL MOUNTED SECURITY CAMERA - ARROWS INDICATE FIELD OF VIEW FIRE ALARM CONTROL PANEL FIRE SUPPRESSION SYSTEM CONTROL PANEL FIRE ALARM REMOTE ANNUNCIATOR PANEL SINGLE BED STATION - NURSE CALL DOUBLE BED STATION - NURSE CALL BATHROOM STATION - NURSE CALL BATHROOM STATION PULL CORD - NURSE CALL	ONE-LINE SYSTEM OR EQUIPMENT GROUND EXOTHERMIC WELD OR BRAZED CONNECTION CONDUIT IN OR BELOW FLOOR SLAB OR BELOW GRADE RACEWAY TURNED UP RACEWAY TURNED DOWN CABLE TRAY UNDERFLOOR DUCT - POWER UNDERFLOOR HEADER DUCT - POWER UNDERFLOOR DUCT - COMM UNDERFLOOR HEADER DUCT - COMM	SITE FLUSH IN-GRADE HAND HOLE UNDERGROUND ELECTRICAL UNDERGROUND COMMUNICATIONS UNDERGROUND FIBER OPTIC COMMUNICATIONS UNDERGROUND LIGHTING
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GENERAL NOTES

- LIGHT LINE WEIGHT INDICATES EXISTING EQUIPMENT TO REMAIN OR EQUIPMENT PROVIDED BY OTHERS. HEAVY LINE WEIGHT INDICATES NEW EQUIPMENT.
- NETWORK DEVICE PLATES AND THE CABLING FOR THESE AREAS SHALL BE PROVIDED BY THE TECHNOLOGY CONTRACTOR.
- TECHNOLOGY CONTRACTOR SHALL COORDINATE DEVICE OUTLET LOCATIONS WITH THE ARCHITECTURAL AND CASEWORK DRAWINGS PRIOR TO ROUGH-IN. REPORT ANY CONFLICTS TO THE CONSTRUCTION MANAGER FOR RESOLUTION.
- TECHNOLOGY CONTRACTOR SHALL COORDINATE CLOSET ROOM EQUIPMENT/DEVICE LOCATIONS WITH THE GENERAL TRADES.
- TECHNOLOGY CONTRACTOR SHALL NOT PLACE ANY DISTRIBUTION CABLING ALONGSIDE POWERLINES, OR SHARE THE SAME CONDUIT, CHANNEL OR SLEEVE WITH ELECTRICAL APPARATUS.
- ALL CABLES SHALL BE INSTALLED IN "F" HOOKS, CONDUITS, CABLE TRAY OR AN APPROVED RACEWAY SYSTEM. WHERE CABLE TRAY IS NOT AVAILABLE, SUPPORT HORIZONTAL CABLE EVERY FIVE FEET WITH "F" HOOKS SUFFICIENT IN SIZE TO HANDLE ALL BUNDLED CABLES WHILE MINIMIZING CRUSHING. IF CABLE SLACK EXCEEDS TWELVE (12) INCHES BETWEEN SUPPORTS, ADDITIONAL SUPPORTS SHALL BE INSTALLED TO TAKE UP SLACK AND RELIEVE CABLE STRESS. ALL CABLES SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING STEEL. ALL COMMUNICATIONS CABLES SHALL BE LOCATED AND FASTENED TO GUARANTEE THERE SHALL BE NO INTERFERENCE FROM MAGNETIC FIELDS GENERATED FROM FUTURE BALLASTS, MOTORS OR SIMILAR ELECTRICAL LOADS.
- INSTALL ALL CABLES MAINTAINING CABLE MANUFACTURERS RADIUS OF CURVATURE AND PROTECT AT BENDS AND CORNERS. MAINTAIN MINIMUM BEND RADIUS AND TENSION LIMITATIONS AS SPECIFIED BY EIA/TIA FOR ALL COMMUNICATION CABLES.
- LOOSELY BUNDLE CABLES WITH VELCRO TIES SUITABLE FOR PLENUM ENVIRONMENTS. EVERY TWENTY FEET.
- THE TECHNOLOGY CONTRACTOR SHALL ASSURE THAT THE COMPLETION OF CABLE INSTALLATION. CABLES ARE FREE FROM TWISTS, KINKS, SHARP BENDS, CUTS, GOUGES OR ANY OTHER PHYSICAL DAMAGE.
- THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK. THE TECHNOLOGY CONTRACTOR SHALL PROVIDE ALL INCIDENTAL MATERIALS AND LABOR OR A COMPLETE, FULLY FUNCTIONAL SYSTEM AND VERIFYING FIELD RACEWAYS.
- NOTIFY CM OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND TECHNOLOGY DRAWINGS.
- ALL WORK AND EQUIPMENT SHALL CONFORM TO NEC. THE MEANS AND METHODS USED BY TECHNOLOGY CONTRACTOR SHALL CONFORM TO NEC SECTION 110-3.
- SECURITY CAMERAS AND WIRELESS ACCESS POINT LOCATIONS INDICATED ARE FOR NETWORK CABLING ONLY.
- WIRELESS ACCESS POINTS ARE PROVIDED BY OWNER AND INSTALLED BY THIS CONTRACTOR. THIS CONTRACTOR IS TO PROVIDE 10' PATCH CORDS FOR EACH WIRELESS ACCESS POINT.
- SECURITY CAMERAS ARE BY OTHERS. THIS CONTRACTOR IS TO PROVIDE 10' PATCH CORDS FOR EACH SECURITY CAMERA.

Project Title

Van Buren Public Schools

RAHS Belleville High School

501 W Columbia Ave
Belleville, MI 48111

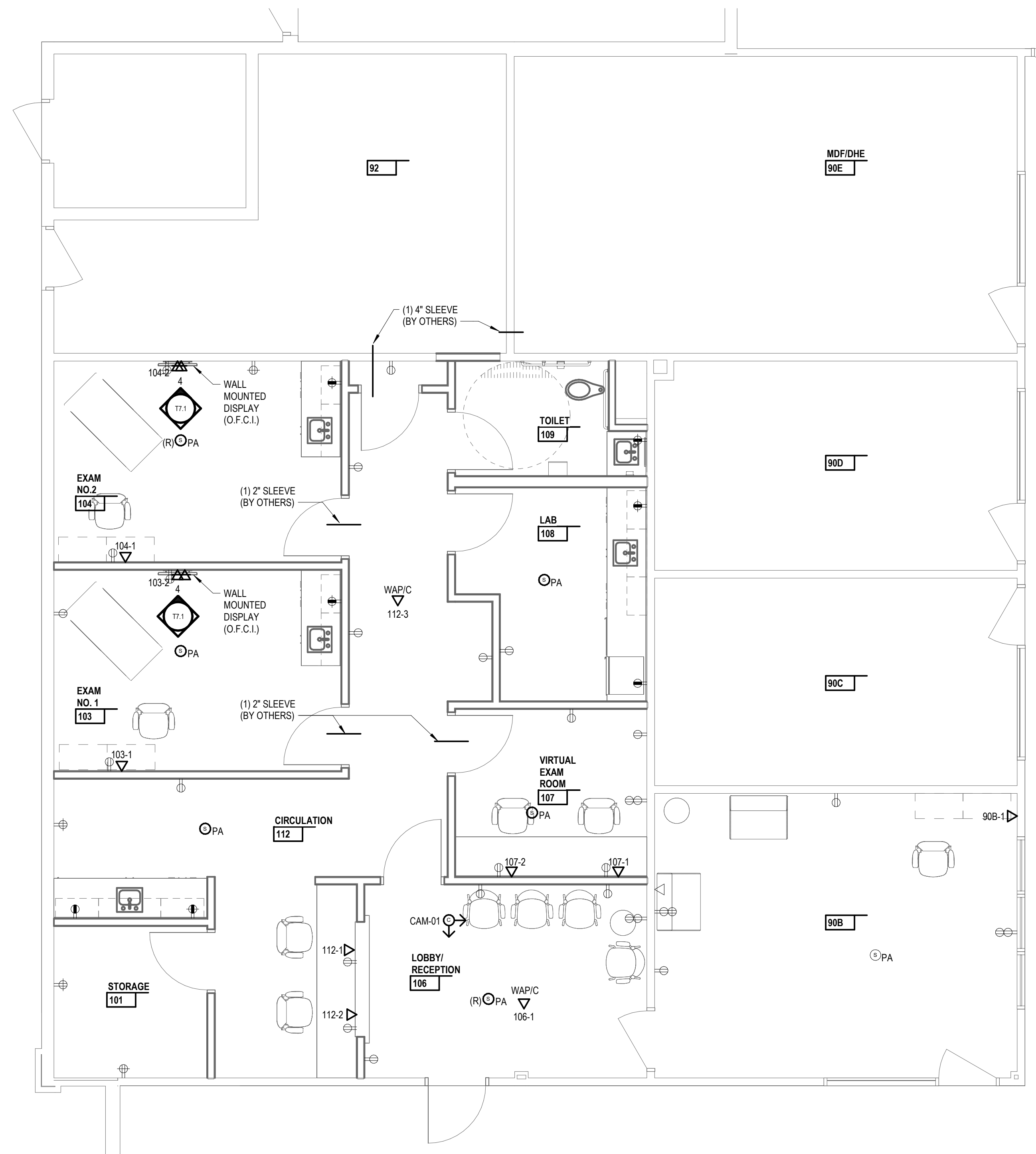
Key Plan

THIS PROJECT MAY NOT UTILIZE ALL THE SYMBOLS, MATERIALS, ABBREVIATIONS AND STANDARDS INFORMATION SHOWN ON THIS SHEET

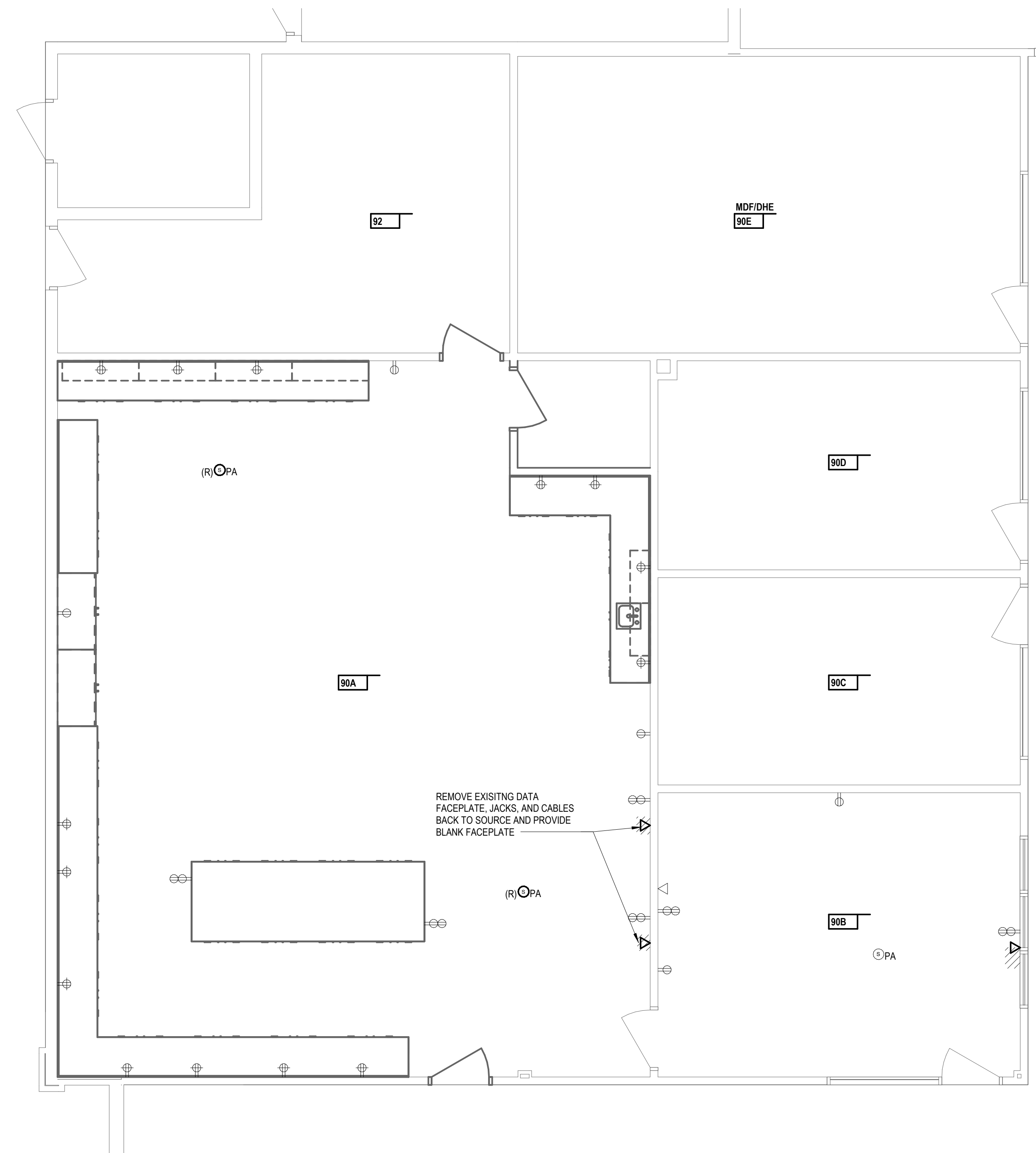
Project Administrator	A. Maurer
Project Designer	J. Brender, T. Homer
Project Architect / Engineer	T. Morgan
Drawn By	T. Homer
Reviewed By	Q.M. Review
Approved	-
Drawing Scale	No Scale
Issued for	Issue Date
Design Development	07-03-2024

GENERAL NOTES

- SEE SHEET T7.1 FOR TECHNOLOGY DETAILS AND DEVICE SCHEDULES.
- ALL DATA CABLES SHALL BE TERMINATED ON NEW 48 PORT CAT 6 PATCH PANEL LOCATED IN MDF/DHE.



FIRST FLOOR NEW TECHNOLOGY PLAN
 1/4" = 1'-0"



FIRST FLOOR TECHNOLOGY DEMOLITION PLAN
 1/4" = 1'-0"

Project Title

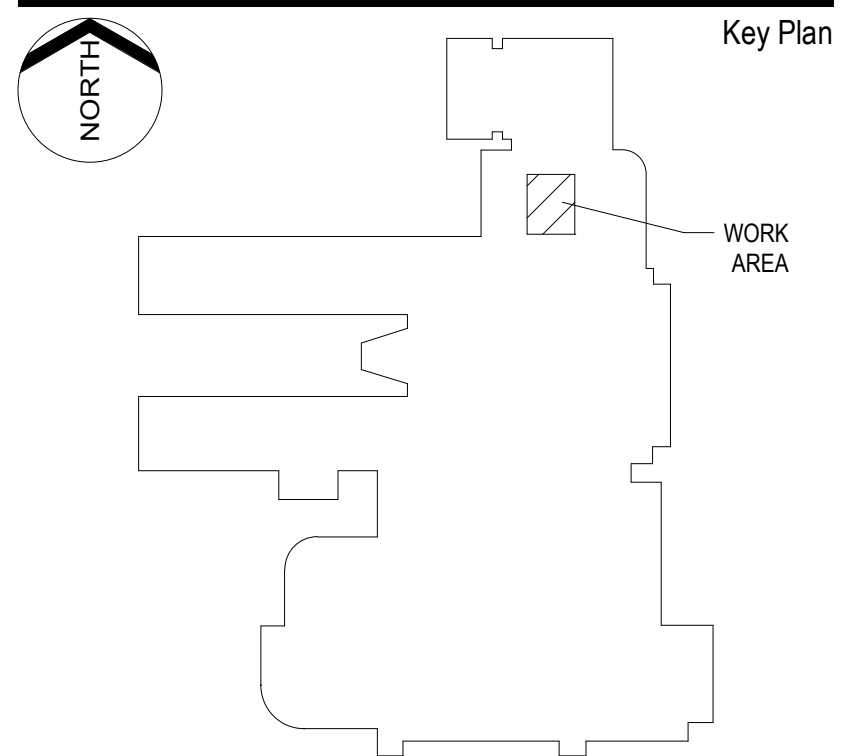


Van Buren Public Schools

RAHS Belleville High School

501 W Columbia Ave
 Belleville, MI 48111

Key Plan



Project Administrator

A. Maurer

Project Designer

J. Brender, T. Homer

Project Architect / Engineer

T. Morgan

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T. Homer

Q.M. Review

Approved

-

Drawing Scale

As Indicated

Issued for

Design Development

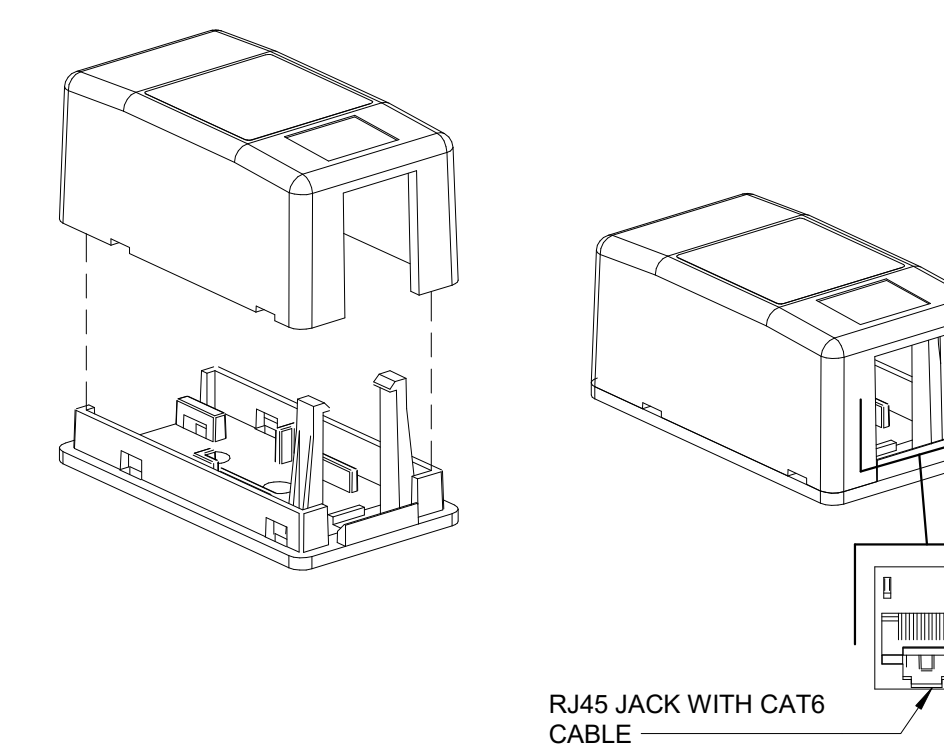
Issue Date

07-03-2024

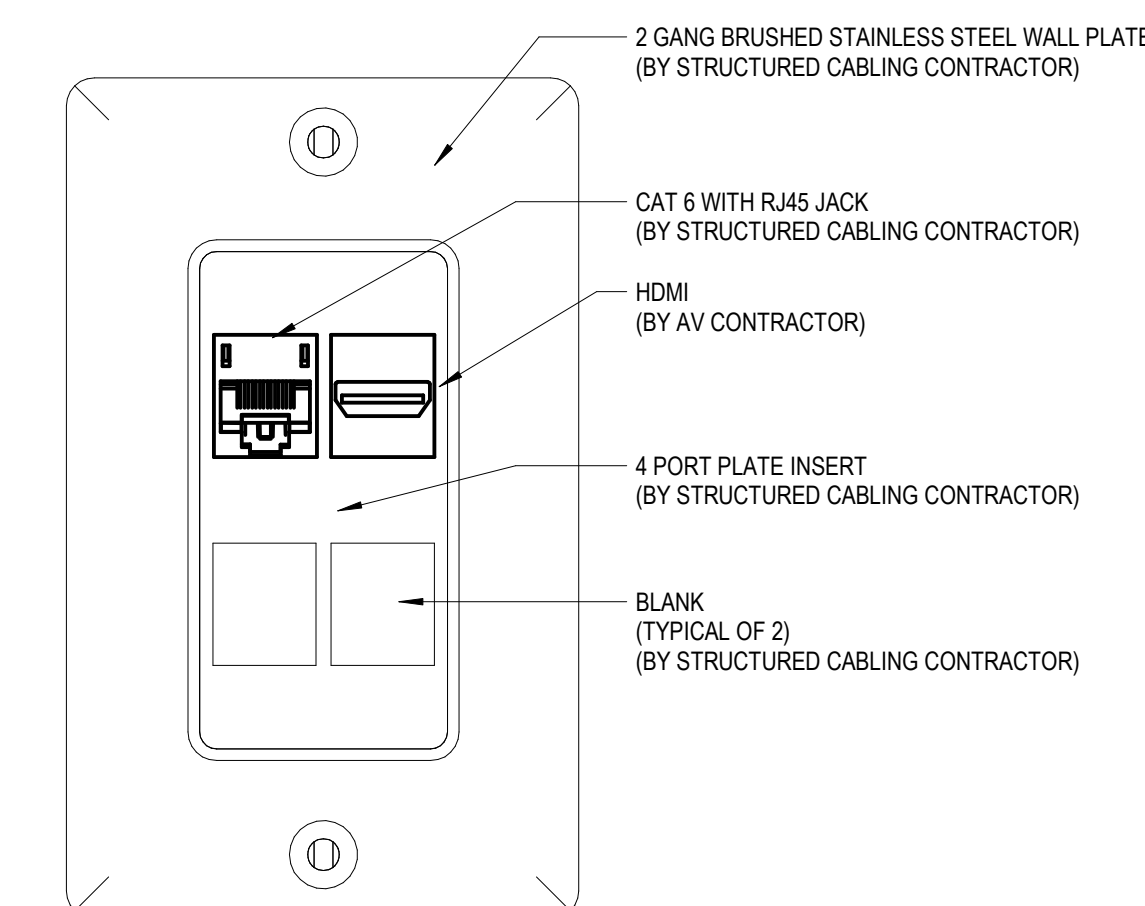
DATA DEVICE SCHEDULE1					
DROP ID	SOURCE TR	DESCRIPTION	DATA RACK ID	CATEGORY 6 CABLE COUNT	FACEPLATE TYPE
90B-1	MDF/DHE	WALL DROP		2	A
103-1	MDF/DHE	WALL DROP		2	A
103-2	MDF/DHE	DISPLAY DROP		1	B
104-1	MDF/DHE	WALL DROP		2	A
104-2	MDF/DHE	DISPLAY DROP		1	B
107-1	MDF/DHE	WALL DROP		2	A
107-2	MDF/DHE	WALL DROP		2	A
112-1	MDF/DHE	WALL DROP		2	A
112-2	MDF/DHE	WALL DROP		2	A

WAP DEVICE SCHEDULE					
DROP ID	SOURCE TR	DESCRIPTION	DATA RACK ID	CATEGORY 6 CABLE COUNT	FACEPLATE TYPE
105-1	MDF/DHE	CEILING MOUNTED WAP		1	
112-3	MDF/DHE	CEILING MOUNTED WAP		1	

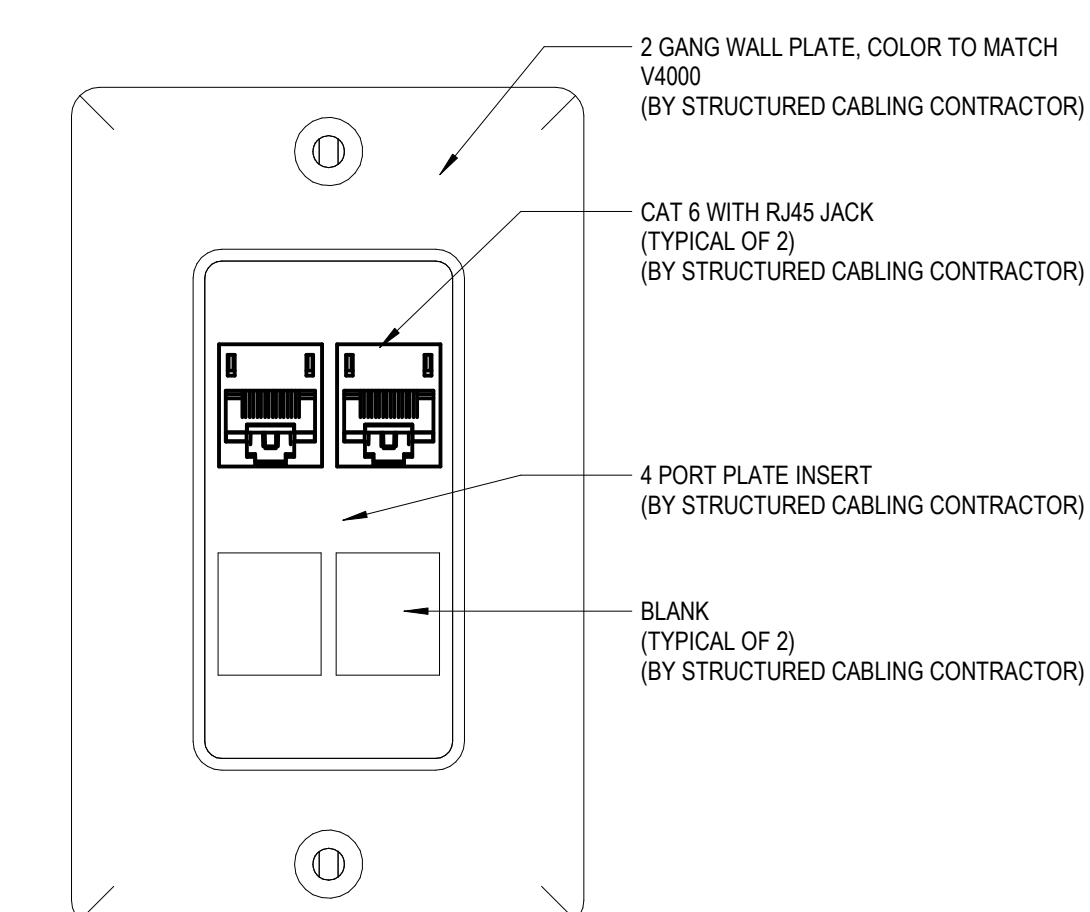
SECURITY CAMERA SCHEDULE						
DROP ID	SOURCE TR	CAMERA DESCRIPTION	CAMERA TYPE	CATEGORY 6 CABLE	CAMERA MODEL	FRAME RATE
CAM-01	MDF/DHE	INTERIOR CEILING MOUNTED CAMERA	X	1		



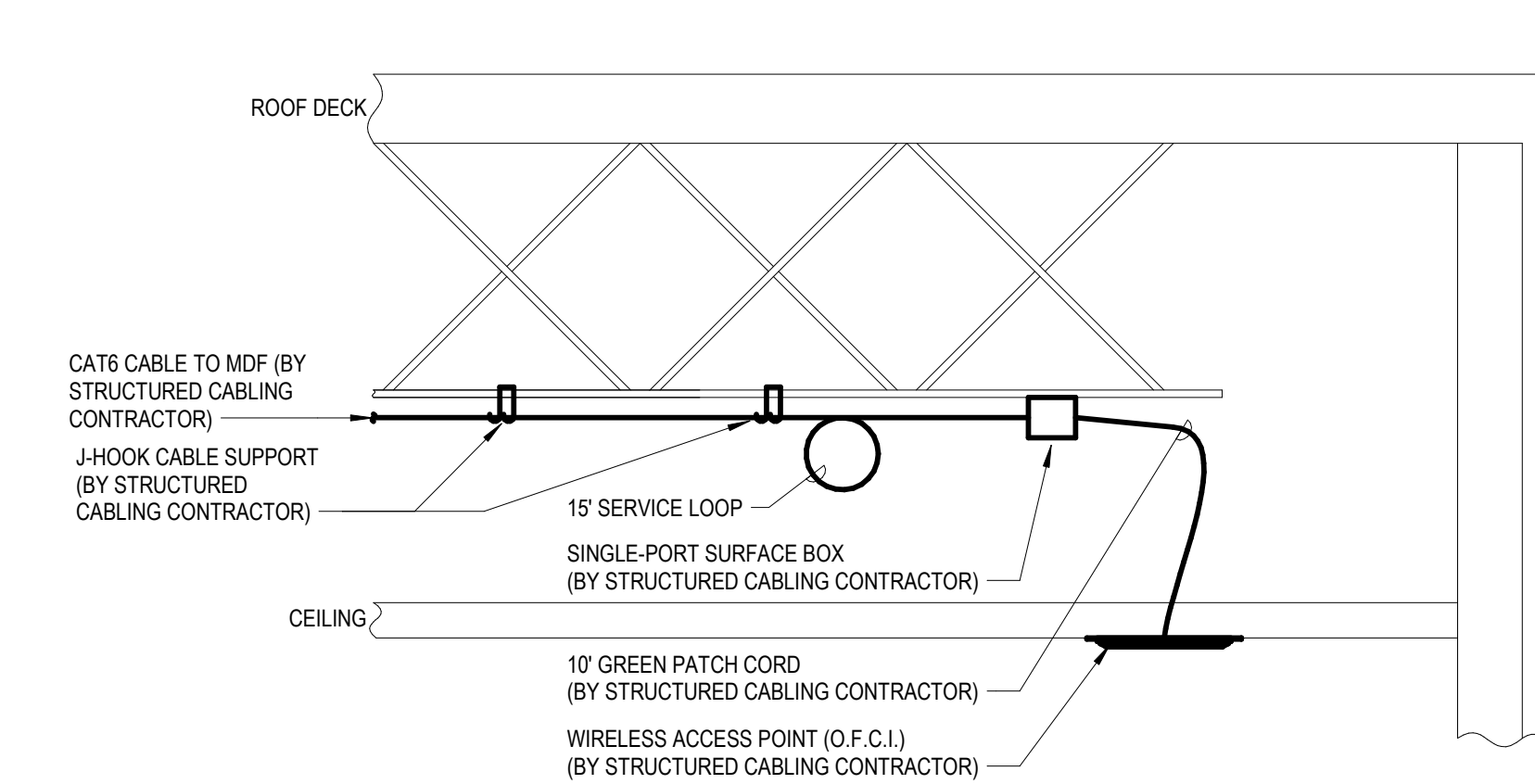
7 SINGLE PORT SURFACE BOX
 Not To Scale



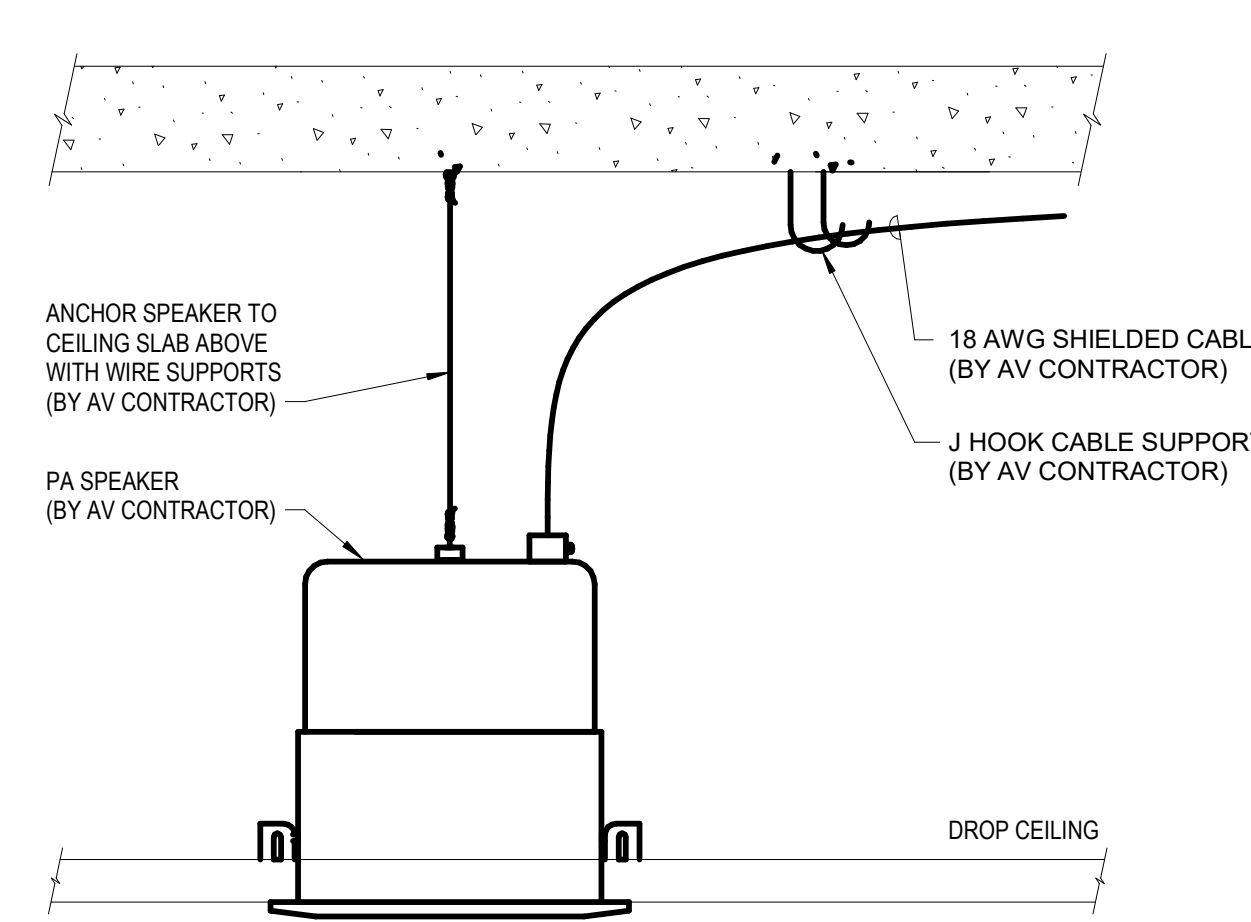
6 FACEPLATE TYPE "B"
 Not To Scale



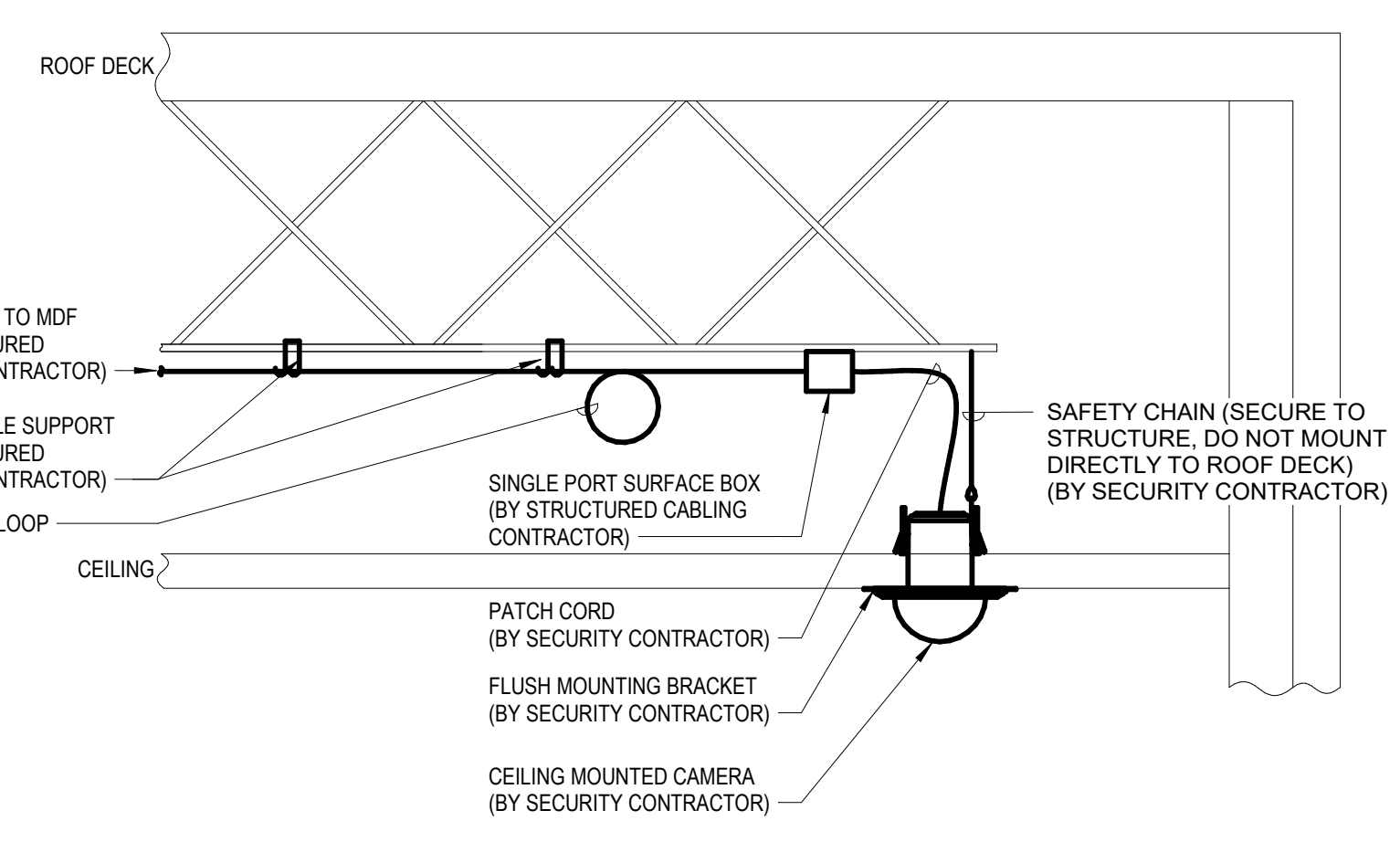
5 FACEPLATE TYPE "A"
 Not To Scale



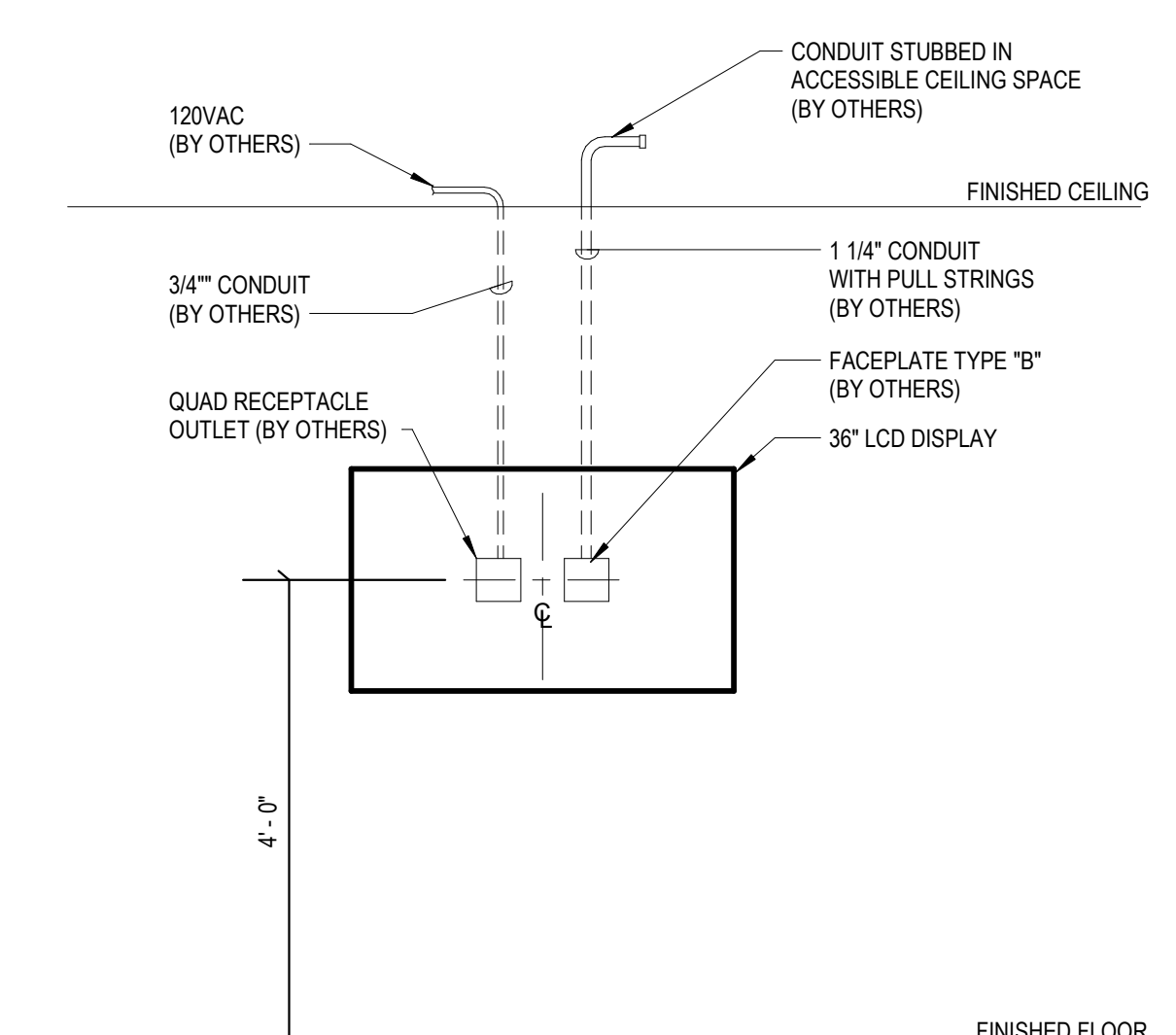
1 CEILING-MOUNTED WAP DETAIL
 Not To Scale



2 TYPICAL FLUSH CEILING MOUNTED PA SPEAKER DETAIL
 Not To Scale



3 CEILING MOUNTED CAMERA DETAIL
 Not To Scale



4 EXAM ROOM DISPLAY ROUGH DETAIL
 Not To Scale

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 Design Development

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 IDS Drawing Title

Details

Project Number Drawing Number

Project # T7.1