

Liberty North High School Classroom Remodel

Liberty Public Schools

1000 NE 104th Street
Liberty, MO 64068

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ABBREVIATIONS

A ACT acoustical ADJ adjustable/adjacent AFF above finish floor ALUM aluminum ALT alternate ANOD anodized APPROX approximate(ly) ARCH architect(ural) B BLDG building BLKG blocking BM beam BOT bottom of BRG bearing BRKT bracket BTM bottom BSMT basement BTWN between C CAB cabinet CC center to center CEM cement(itious) CG corner guard CJ control joint CLG ceiling CLR clearance) CM construction manager CMU concrete masonry unit COL column CONC concrete CONST construction CONT continuous CTR center CY cubic yard(s) D DF drinking fountain DIA diameter DIM dimension(s) DN down DS downspout DTL detail DWG drawing E E east EA each EF each face EIFS exterior Insulation finish system EJ expansion joint ELEC electrical ELEV elevation EQ equal EQUIP equipment ETR existing to remain EW each way EXIST existing EXP expansion EXT exterior F FA fire alarm FD floor drain FND foundation FE fire extinguisher FEC fire extinguisher cabinet FF finish floor FH fire hose FIN finish(ed) FIXT fixture FLR floor FLEX flexible FOM face of masonry FOPC face of precast FOS face of stud FT (') foot FTG footing FV field verify G GA gauge GALV galvanized GC general contractor GEN general GL glass GR grade GYP gypsum GYP BD gypsum board H HC handicapped HD head HDWD hardwood HDWR hardware HM hollow metal HORIZ horizontal HR hour HT height HVAC heating, ventilation & air conditioning I ID inside diameter IN (") inch(es) INDIV individual INFO information INSUL insulation INT interior J JST joist JT joint K KIT kitchen L LKR locker LT light M MAS masonry MATL material MAX maximum MB marker/board MECH mechanical MEP mechanical/electrical/plumbing MFR manufacturer MIN minimum MISC miscellaneous MO masonry opening MTD mounted MTG HT mounting height MTL metal MULL mullion N N north NIC not in contract NO (#) number NOM nominal NRC noise reduction coefficient NTS not to scale O OC on center OD outside diameter OTS open to structure OPNG opening OPP opposite P PAR parallel PCP portland cement plaster PERP perpendicular PL property line PLBG plumbing PLYWD plywood PNL panel PR pair PREFAB prefabricated PTD painted PVC polyvinyl chloride R RAD radius RD roof drain RE: refer to REINF reinforcing (ed) REV reversed REQD required RFG roofing S S south SCHED schedule SECT section SF square foot SHT sheet SHWR shower SIM similar SPEC specification SQ square SSTL stainless steel STC sound transmission coefficient STD standard STL steel STRUCT structures(al) SUSP suspended SY square yard SYM symmetrical T T&B top & bottom T&G tongue & groove TO top of TOC top of curb TOM top of masonry TOS top of slab/steel TOW top of wall TS tube steel TYP typical U UNO unless noted otherwise V VERT vertical VTR vent thru roof W W west WD wood WDO window W/ with W/O without Y YD yard SYMBOLS / per (or) by & and @ at [channel ⊥ centerline ∅ diameter/round ± plus/minus
--

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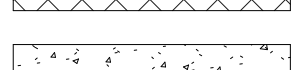
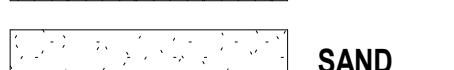

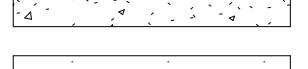
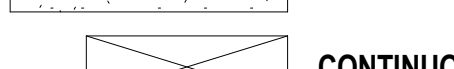

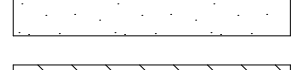
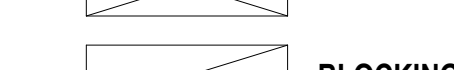


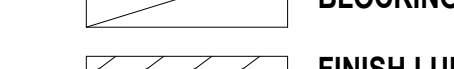

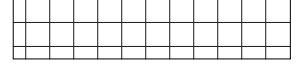


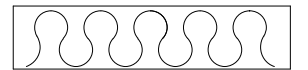
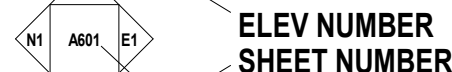
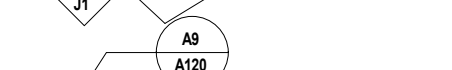


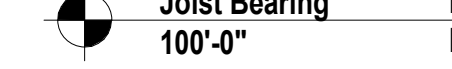



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MECH/ELECT ENGINEER:

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SYMBOL LEGEND

 BRICK (in section)	 STUCCO (in section)	Classroom A101	RM NAME RM NUMBER
 CONCRETE MASONRY UNIT - CMU (in section)	 SOIL	 A123 DOOR NUMBER	
 CONCRETE (in section)	 SAND	 A WALL TYPE	
 GYP BD (in section)	 CONTINUOUS LUMBER	 A FRAME TYPE	
 PLYWOOD (in section)	 BLOCKING/SHIM	 1 GLASS TYPE	
 RIGID INSUL & EIFS (in section)	 FINISH LUMBER/ HARDWOOD	 SECTION CUT LINE	
 BATT INSUL (in section)	 STEEL OR METAL	 ELEVATION SYMBOL	
 ACOUSTICAL TILE (in section)		 ELEV NUMBER SHEET NUMBER	
		 ENLARGED DETAIL	
		 Joist Bearing 100'-0"	 DATUM MARKER
		 AREA "A"	
		 AREA "B"	
		 MATERIAL JOINT	
		 BUILDING EXPANSION JOINT	

VICINITY MAP



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Liberty North High School - Classroom Remodel

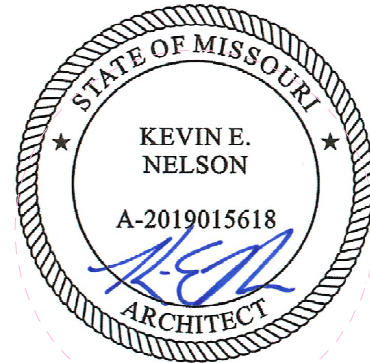
Liberty Public Schools

1000 NE 104th Street

Liberty, MO 64068

REVISIONS:

#	Description	Date
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MARCH 11, 2024
Kevin E. Nelson
A-2019015618

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JOB NO: 21022
DRAWN BY: VP
CHECKED BY: JB/NY
DATE: 03/11/2024

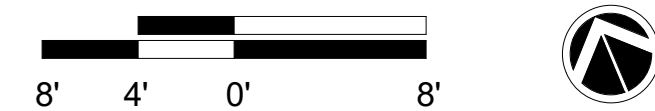
G000

COVER SHEET

Occupant Load Table					
Rm No	Room Name	Function of Space	Area (SF)	Occupant Load Factor	Space Occupant Load
A101	SPED	Educational Shops & other Vocational	789 SF	50 SF	16
A103	Safe Room	Business Areas	77 SF	150 SF	1
A104	Active Sensory	Business Areas	262 SF	150 SF	2
A105	Speech Office	Business Areas	230 SF	150 SF	2
Level 1					21
Total Building Occupant Load					21



A7	Scale	Code Plan - Level 1 - Classroom Remodel
	1/8" = 1'-0"	



PROJECT INFORMATION

PROJECT NUMBER	21121.00
PROJECT NAME	Liberty On-Call Services
OWNER	Liberty Public School District 8 Victory Lane Liberty, MO 64066
AUTHORITY HAVING JURISDICTION	Liberty City Hall Building Division 101 E Kansas Street, 3rd Floor Liberty, MO 64068 916-439-4534
RESPONDING FIRE SERVICE	Liberty Fire Department 200 W Mississippi Street Liberty, MO 64068 916-439-4310
ANTICIPATED OCCUPANCY	July 2024
ADOPTED CODES AND ORDINANCES	2018 International Building Code 2018 International Existing Building Code 2018 International Fire Code 2017 National Electric Code (NFPA 70) 2018 International Mechanical Code 2018 International Plumbing Code 2009 ICC A117.1 Accessible and Usable Buildings and Facilities

BUILDING INFORMATION

OCCUPANCY CLASSIFICATION:	Educational, Group E (305.1)
CONSTRUCTION TYPE:	II-B (602.2, Non-combustible, non-protected) Renovation of existing structure

FIRE SAFETY FEATURES

SPRINKLER:	Fully Sprinklered
FIRE ALARM SIGNALING:	Existing to remain.
EMERGENCY LIGHTING / POWER:	Existing to remain.
SMOKE CONTROL SYSTEM:	Existing to remain.

SCOPE OF WORK

The existing classroom will be renovated to provide space for children with unique accessibility needs. A restroom within the SPED classroom is being added, along with a safe room. Part of the renovation area also includes the addition of an active sensory space and an office, per the school's request. The occupant load will decrease as the classroom size is reduced to accommodate all the other spaces.

CODE LEGEND

EXISTING BUILDING - NO WORK

EXISTING BUILDING - ALTERATION LEVEL 1
ALTERATIONS DO NOT INVOLVE SPACE RECONFIGURATION

EXISTING BUILDING - ALTERATION LEVEL 2
SPACE RECONFIGURATION DOES NOT EXCEED 50% OF THE BUILDING AREA

EXISTING BUILDING - ALTERATION LEVEL 3
SPACE RECONFIGURATION COVERS MORE THAN 50% OF THE BUILDING AREA

EXIT COMPONENT

CAPACITY

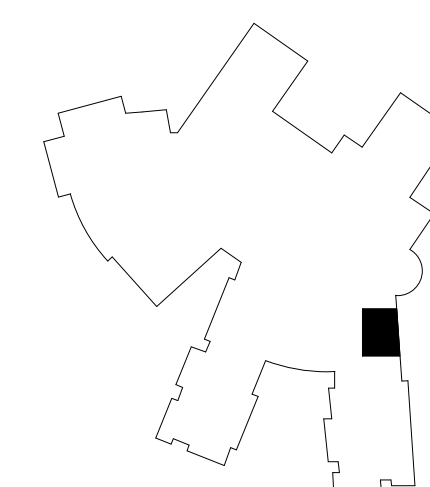
ACTUAL OCCUPANT LOAD

OCCUPANT COUNT @ ROOM EXIT

OCCUPANT SUM

TRAVEL DISTANCE

KEY PLAN



Liberty North High School - Classroom Remodel

Liberty Public Schools

1000 NE 104th Street
Liberty, MO 64068

**CONSTRUCTION
DOCUMENTS**



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DRAWN BY: VP
CHECKED BY: JB/NY
DATE: 03/11/2024

G101

CODE INFORMATION

Architectural drawing showing the Demolition Electrical Plans for Level 1 - SPED at Liberty North High School - Classroom Remodel. The drawing includes a Key Plan, a Demolition Enlarged Lighting Plan, and a Demolition Enlarged Power Plan. The plans show the layout of the building, including rooms like the Safe Room, Active Sensory, Speech Office, and various classrooms. The drawing is dated 03.11.2024 and is part of the DE101 project.

GENERAL DEMOLITION LIGHTING NOTES:

- UNLESS OTHERWISE NOTED, SERVICES AND EQUIPMENT SHOWN WITH BOLD DASHED LINES ARE TO BE DEMOLISHED. SERVICES AND EQUIPMENT SHOWN WITH SOLID HALF TONE LINE WEIGHT ARE TO REMAIN IN PLACE.
- THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSIDERED "AS BUILT" CONDITIONS. THE INFORMATION SHOWN IS TO ESTABLISH THE EXTENT OF THE SCOPE OF WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
- PATCH ROOFS, WALLS, AND CEILINGS WHERE ANY SERVICES ARE REMOVED UNLESS NOTED OTHERWISE.
- DISCONNECT AND REMOVE ALL DUCTWORK, PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED.
- WHERE MECHANICAL AND ELECTRICAL FIXTURES OR EQUIPMENT ARE REMOVED, CAP ALL UNUSED CONDUIT, WIRING, AND PIPING BEHIND THE FLOOR LINE OR WALL LINE TO FACILITATE THE RESTORATION OF FINISH.
- PROVIDE FOR THE CONTINUITY OF ALL REMAINING SERVICES, SYSTEMS, AND CIRCUITS. RELOCATE AND RECONNECT ANY MECHANICAL AND ELECTRICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SHOWN IN THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS.

DEMOLITION PLAN NOTES:

- REMOVE AND SALVAGE LIGHTING IN SPACE, REUSE FIXTURES WHERE NOTED ON NEW PLANS. TURN OVER EXTRA FIXTURES TO SCHOOL FOR STORAGE. DEMO ALL CIRCUITING AND CONTROLS, SALVAGE 277V HOME RUN FOR RECONNECTION IN NEW LIGHTING CONTROLS IN THE NEW SPACES, REFER TO NEW WORK.
- DEMO LIGHT SWITCHES AND ASSOCIATED JUNCTION BOX AND PATCH AND REPAIR EXISTING TO REMAIN GYP WALL.

POWER DEMOLITION GENERAL NOTES:

- THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTIONS AND ARE NOT TO BE CONSTRUED AS "AS-BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
- DASHED LINES INDICATED MECHANICAL OR ELECTRICAL FIXTURES, DEVICES OR EQUIPMENT THAT SHALL BE REMOVED. SOLID LINES REPRESENT EXISTING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE INDICATED.
- DISCONNECT AND REMOVE ALL CIRCUITRY, DISCONNECTS, CONTROLLERS AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF FIXTURES, DEVICES OR EQUIPMENT INDICATED TO BE REMOVED. LABEL ALL CIRCUIT BREAKERS IN EXISTING PANELBOARDS NO LONGER IN USE AS SPARE. CAP ALL UNUSED CONDUIT AND WIRING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
- VERIFY AND RESTORE CONTINUITY OF ALL EXISTING CIRCUITRY INDICATED TO REMAIN IN USE. WHERE REMOVAL OF EXISTING WIRING INTERRUPTS ELECTRICAL CONTINUITY OF CIRCUITS WHICH ARE TO REMAIN, FURNISH AND INSTALL ALL REQUIRED CIRCUITRY, CONDUIT, JUNCTION BOXES, ETC. TO INSURE CONTINUED ELECTRICAL CONTINUITY.
- RELOCATE AND RECONNECT ANY MECHANICAL EQUIPMENT AND ANY ELECTRIC FIXTURES, DEVICES OR EQUIPMENT THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REVISIONS INDICATED ON THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS OR TO MEET NEC CODE REQUIRED CLEARANCES.
- ELECTRIC CONTRACTOR TO FURNISH AND INSTALL BLANK JUNCTION BOX COVERS ON ALL EXISTING JUNCTION BOXES WITHIN THE CONSTRUCTION AREA.

DEMOLITION PLAN NOTES:

- REMOVE FIRE ALARM PULL STATION AND PROVIDE COVER OVER JUNCTION BOX. (NOT REQUIRED SINCE THERE IS AUTOMATIC FIRE SPRINKLER THROUGHOUT) ENSURE EXISTING FIRE ALARM CIRCUIT REMAINS IN TACT AND FUNCTIONING.
- REMOVE FIRE ALARM NOTIFICATION DEVICE FROM WALL AND PATCH WALL. DEVICE TO BE RELOCATED TO CEILING (WITH ADDED DEVICES). REFER TO NEW WORK.
- REMOVE AND SALVAGE SMOKE DETECTOR AND ASSOCIATED CABLING FOR RELOCATION IN NEW CEILING, REFER TO NEW WORK.
- REMOVE AND SALVAGE INTERCOM STATION AND ASSOCIATED 2-WAY CEILING SPEAKER FOR RELOCATION IN NEW CEILING AND WALL LOCATION. REFER TO NEW WORK.
- REMOVE AND SALVAGE AV CEILING SPEAKER AND ASSOCIATED CABLING AND DEVICES FOR RELOCATION IN NEW CEILING. REFER TO NEW WORK.
- REMOVE AND SALVAGE WIRELESS ACCESS POINT AND ASSOCIATED CABLING FOR RELOCATION IN NEW CEILING. REFER TO NEW WORK.
- REMOVE AND SALVAGE CLOCK AND ASSOCIATED CABLING FOR RELOCATION IN NEW CEILING. REFER TO NEW WORK.
- REMOVE RECEPTACLE, MAINTAIN EXISTING CIRCUIT FOR OTHER EXISTING TO REMAIN RECEPTACLES ON THE CIRCUIT.
- REMOVE RECEPTACLE AND ASSOCIATED DESIGNATED CIRCUIT AND AV/DATA CABLING FOR PROJECTOR FOR RELOCATION IN NEW CEILING. REFER TO NEW WORK.

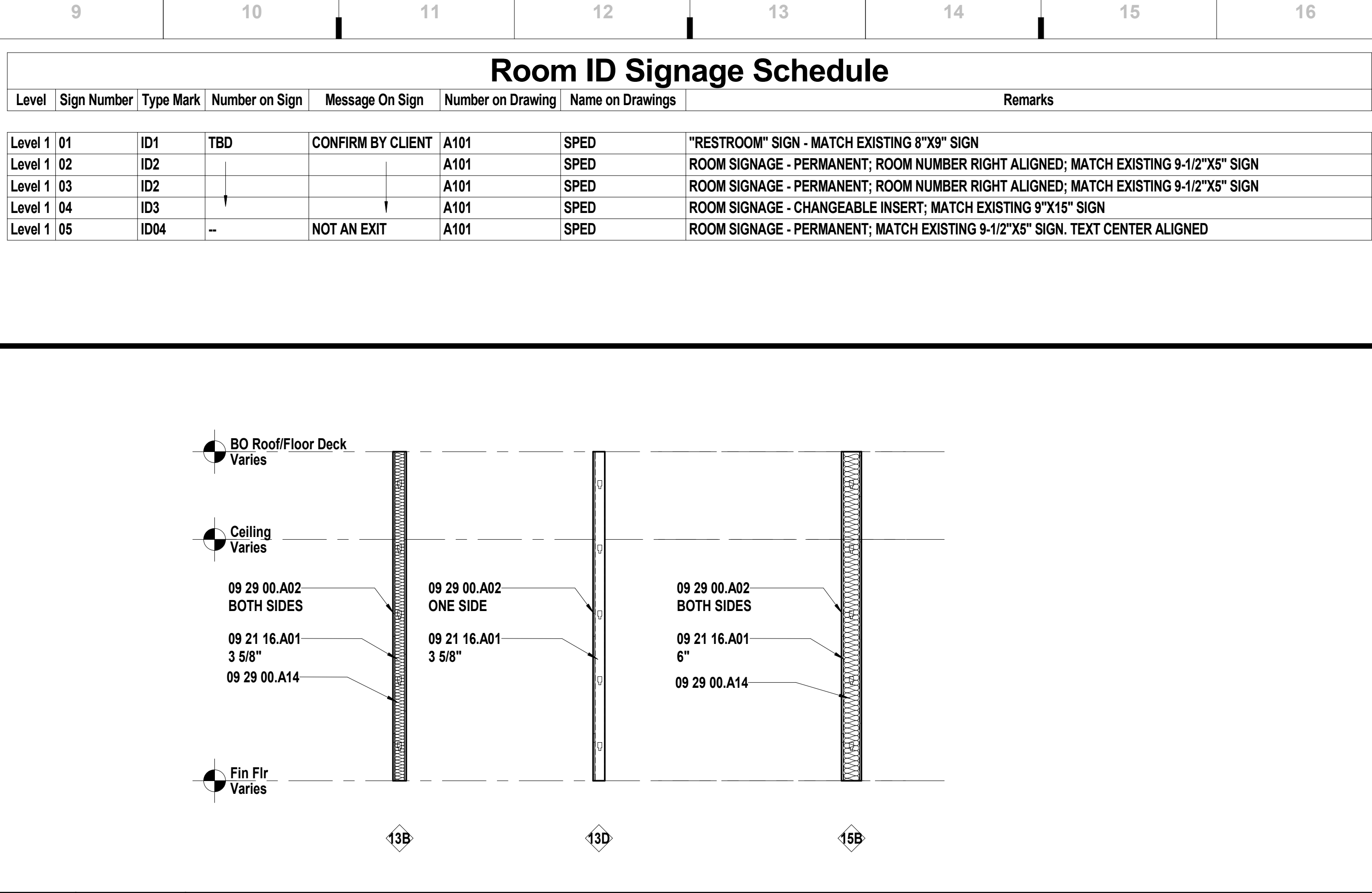
KEY PLAN

DE101

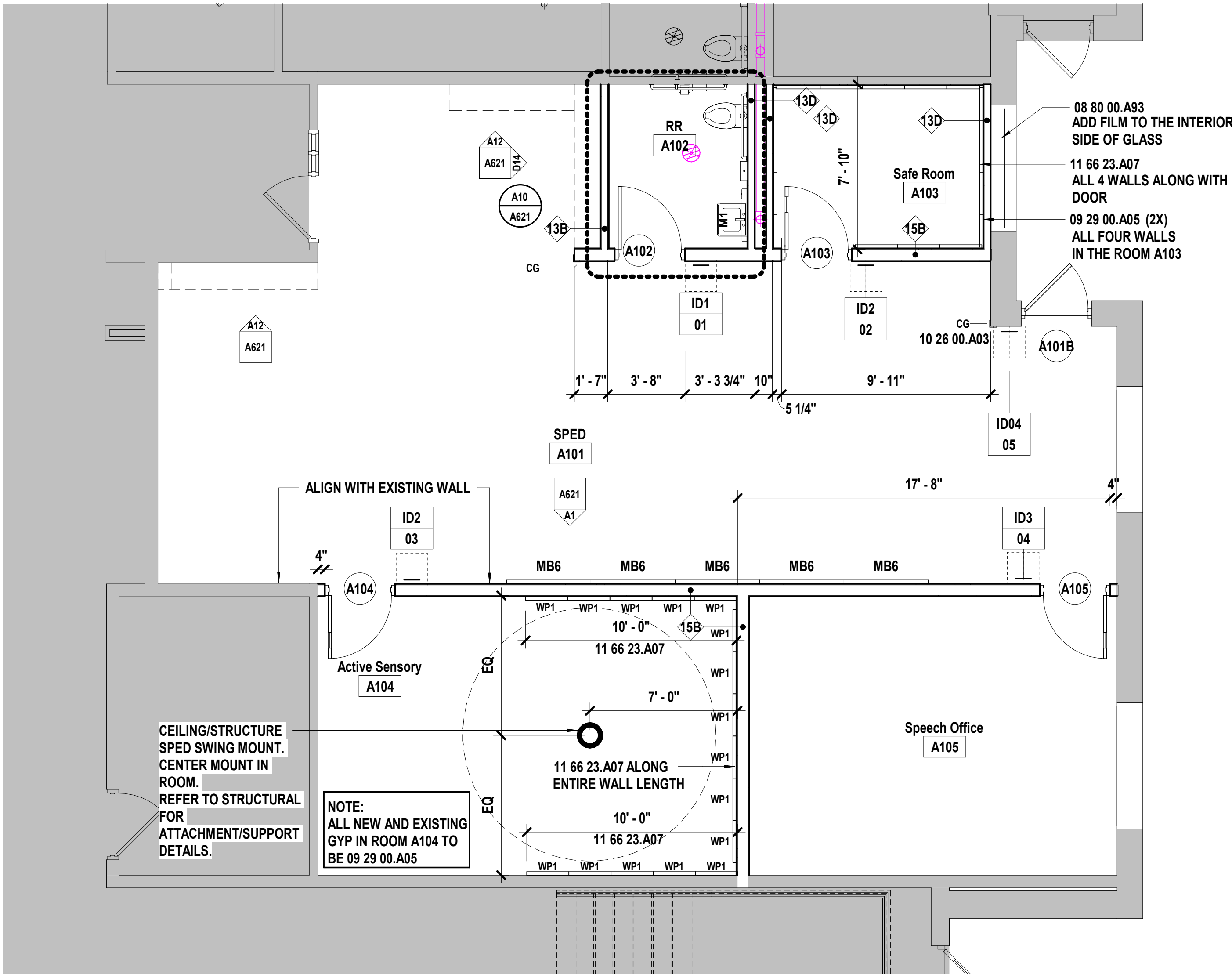
DEMOLITION ELECTRICAL PLANS - LEVEL 1



A1 Scale RCP - Level 1 - SPED
1/4" = 1'-0"



L9 Scale Interior Wall Types
3/8" = 1'-0"



A9 Scale Floor Plan - Level 1 - SPED
1/4" = 1'-0"

SHEET KEYNOTE LEGEND

08 80 00.A93	GLAZING FILM
09 21 16.A01	NON-STRUCTURAL FRAMING
09 29 00.A02	GYPSUM BOARD - TYPE X
09 29 00.A05	ABUSE/IMPACT-RESISTANT GYPSUM BOARD
09 29 00.A14	SOUND ATTENUATION BLANKETS
10 26 00.A03	CORNER GUARDS
11 66 23.A07	WALL SAFETY PADS

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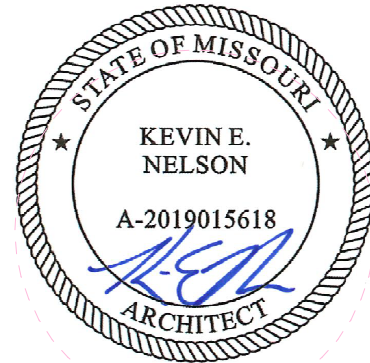
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Liberty, MO 64068

CONSTRUCTION
DOCUMENTS

SHEET NOTES

- REFER TO SHEET G000 FOR SHEET INDEX
- DO NOT SCALE THIS DRAWING
- INTERIOR DIMENSIONS ARE TO THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - A. TO FACE OF STUD
 - B. TO FACE OF MASONRY UNIT
 - C. TO FACE OF DOOR AND WINDOW ROUGH OPENINGS
- COORDINATE LOCATIONS WHERE BACKING IS REQUIRED FOR WALL HUNG CASEWORK, MARKERBOARDS, WALL HUNG ACCESSORIES AND TECHNOLOGY
- COORDINATE WALL REPAIR AND INSTALLATION OF NEW DOORS AND WINDOWS WITH DEMOLITION SHEETS
- COORDINATE FINISHES TO REMAIN WITH DEMOLITION SHEET

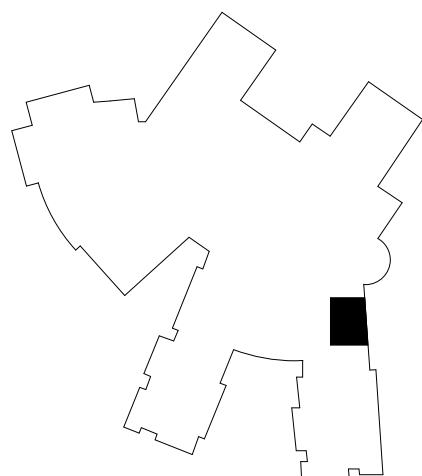
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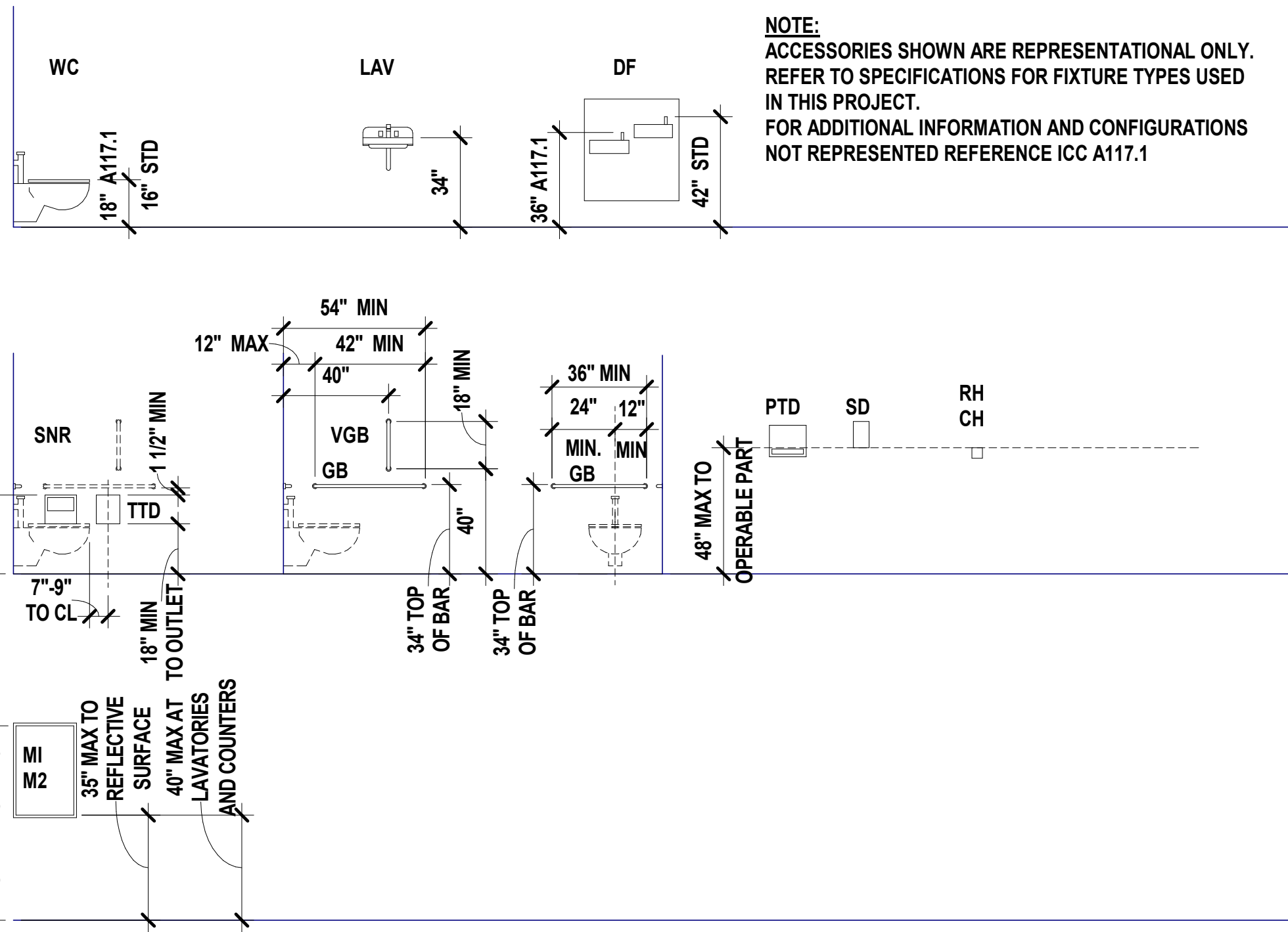
KEY PLAN



JOB NO: 21022
DRAWN BY: VP
CHECKED BY: JB/NY
DATE: 03/11/2024

A101

FIXTURE AND ACCESSORY MOUNTING HEIGHTS



MATERIAL FINISH LEGEND

MATERIAL	ID	KEYNOTE	MANUFACTURER	STYLE/MODEL NO	COLOR/FINISH	COMMENTS
Carpet	C1	09 68 16.A01	BENTLEY	HIMITSU NI	ON THE QT 403755	BROADLOOM
Ceiling	CLG1	09 51 13.A01	USG Radar Basic 2310	Radar Basic 2310	WHITE (WH)	24x48
Floor (Poured) Topping	FT1	09 67 23.A01	DESCO	CREMONA TG	TO MATCH EXISTING	
High Performance Coating	HP1	09 96 00	SHERWIN WILLIAMS	SW7018	DOVE TAIL	
Paint	P1	09 91 23.A02	SHERWIN WILLIAMS	SW7011	NATURAL CHOICE	
Paint	P2	09 91 23.A02	SHERWIN WILLIAMS	SW7018	DOVE TAIL	
Resilient Base & Accessories	RB1	09 65 13.A01	Roppe	PINNACLE 4" BASE	193 BLACK/BROWN	
Resilient Flooring	RF1	09 65 19.A01	BENTLEY	Moment - Modern Revival	TBD	TO MATCH NETTERHORN - MATTERHORN
Resilient Flooring	RF2	09 65 66.A01	Gerflor	Tarafflex Sport M Plus Dry-tex	TBD	
Tile	T1	09 30 00.A05	DAL TILE	LINEAR COLOR WHEEL	ARCTIC WHITE 0190	1/3 TILE PATTERN; GROUT: #34 - SANDSTONE
TRIM	TR1	09 30 00.A04	Schluter	Jolly	Satin Anodized Aluminum	
Wall Paneling	WP1	11 66 23.A07	Porter Athletic	DuraSafe Series 5601	To be selected from manufacturers standard colors	Safe Room

SHEET KEYNOTE LEGEND

07 92 00.A01	SEALANT
08 11 13.A31	HOLLOW METAL FRAME
09 21 16.A01	NON-STRUCTURAL FRAMING
10 11 00.A02	MARKERBOARDS
10 26 00.A03	CORNER GUARDS
12 32 00.A46	CUBBIE TYPE 1
12 32 00.A47	CUBBIE TYPE 2

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SHEET MATERIAL FINISH LEGEND

ID	MATERIAL	COLOR/FINISH
HP1	High Performance Coating	DOVE TAIL
P1	Paint	NATURAL CHOICE
P2	Paint	DOVE TAIL
RB1	Resilient Base & Accessories	193 BLACK/BROWN
T1	Tile	ARCTIC WHITE 0190
TR1	TRIM	Satin Anodized Aluminum
WP1	Wall Paneling	To be selected from manufacturers standard colors

MEP ENGINEERS
Smith and Boucher Inc.
State Certificate of Authority
#ECC-000176
29618 West 103rd Street
Olathe, KS 66061
913.345.2127 phone

TOILET, BATH AND LAUNDRY ACCESSORY LEGEND

TAG	ACCESSORY	KEYNOTE	RESPONSIBILITY
TTD	TOILET TISSUE DISPENSER	10 28 00.A01	OFCI
PTD	PAPER TOWEL DISPENSER	10 28 00.A02	OFCI
WR	WASTE RECEPTACLE	NOT USED	10 28 00.A03
DR	COMBINATION TOWEL DISPENSER	NOT USED	10 28 00.A04
SD	SOAP DISPENSER	10 28 00.A05	OFCI
GB	GRAB BARS	10 28 00.A06	CFCI
VGB	VERTICAL GRAB BAR	10 28 00.A06	CFCI
GB	SANITARY NAPKIN DISPENSER	NOT USED	10 28 00.A07
SNR	SANITARY NAPKIN RECEPTOR	10 28 00.A08	CFCI
GB	SEAT COVER DISPENSER	NOT USED	10 28 00.A09
MI	MIRROR - SINGLE	10 28 00.A10	CFCI
M2	MIRROR - DOUBLE WIDTH	NOT USED	10 28 00.A10
M0	MIRROR - FULL HEIGHT	NOT USED	10 28 00.A10
SC	SHOWER CURTAIN	NOT USED	10 28 00.A11
FS	FOLDING SHOWER SEAT	NOT USED	10 28 00.A12
GB	SOAP DISH	NOT USED	10 28 00.A13
RH	ROBE HOOK	NOT USED	10 28 00.A14
CH	COAT HOOK	10 28 00.A15	CFCI
TS	TOWEL STRIP	NOT USED	10 28 00.A16
PT	SPECIMEN PASS THROUGH	NOT USED	10 28 00.A17
UC	URINAL AND URINAL CABINET	NOT USED	10 28 00.A18
WD	WARM AIR DRYER	NOT USED	10 28 00.A19
DS	DIAPER CHANGING STATION	NOT USED	10 28 00.A20
UG	UNDER-LAVATORY GUARD	10 28 00.A21	CFCI
SH	UTILITY SHELF	NOT USED	10 28 00.A22
MBH	MOP AND BROOM HOLDER	NOT USED	10 28 00.A23

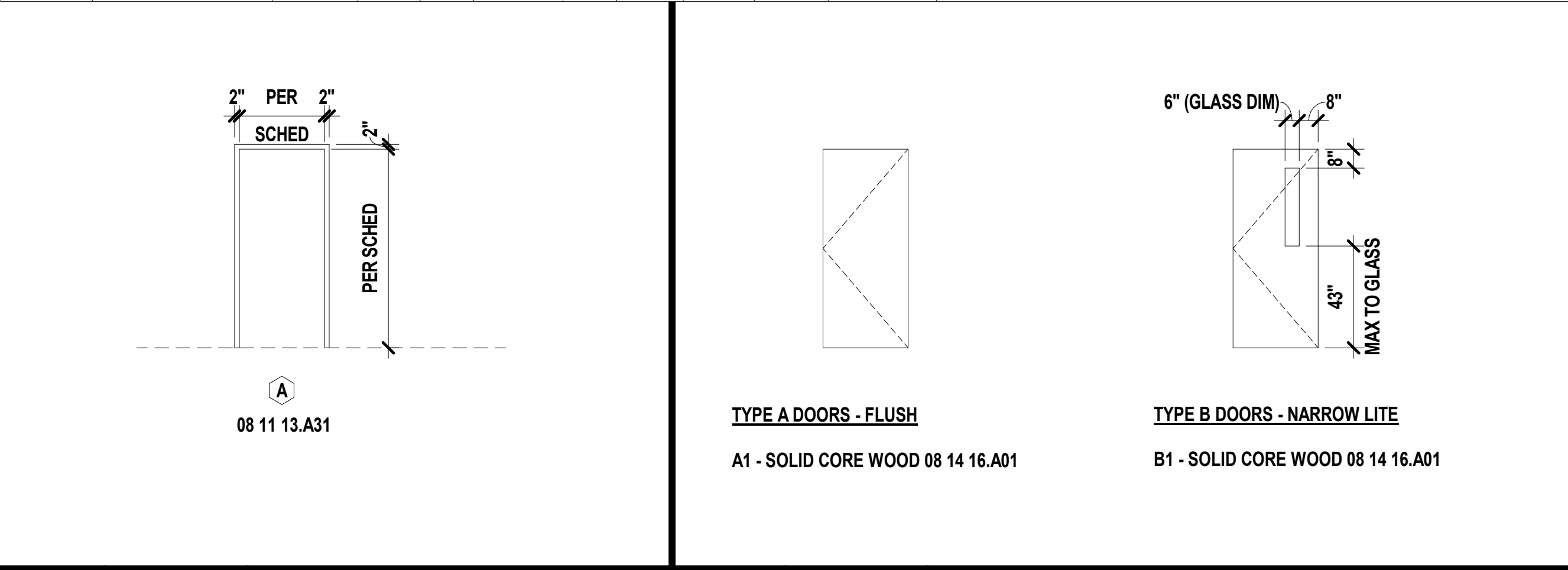
NOTES: TAGS ABOVE WITH A "C" PREFIX (IE CGB) DENOTE CHILD MOUNTING HEIGHTS
CF = CONTRACTOR FURNISH
CI = CONTRACTOR INSTALL
OF = OWNER FURNISH
OI = OWNER INSTALL

GENERAL FINISH NOTES

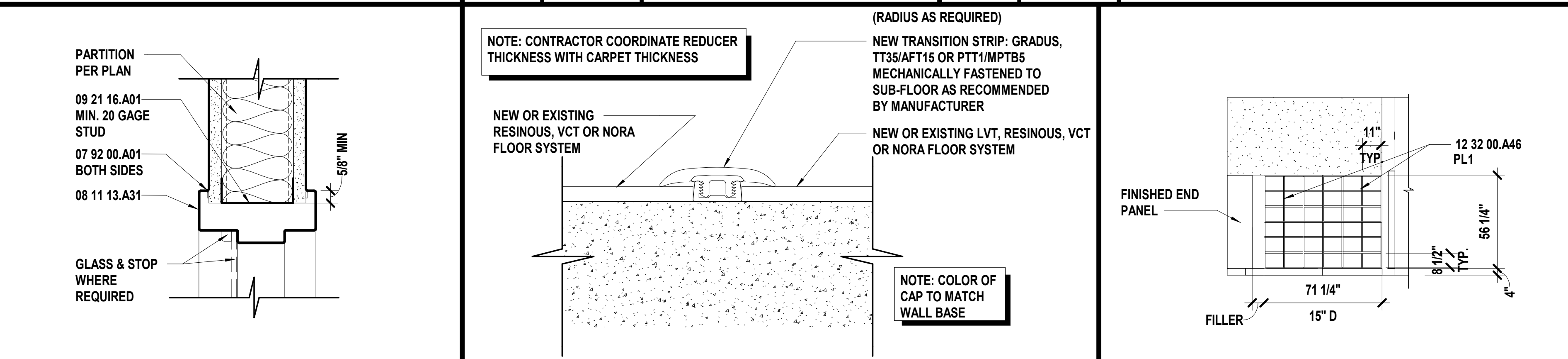
- REFER TO FINISH FLOOR PLANS, REFLECTED CEILING PLANS, ELEVATIONS, AND DETAILS FOR EXTENT OF MULTIPLE FINISHES.
- DO NOT PAINT NATURAL OR MANUFACTURED STONE, BRICK, GLAZED BLOCK OR ANY OTHER PREFINISHED MATERIALS.
- DO NOT PAINT ALUMINUM OR OTHER NON-FERROUS METALS THAT ARE PREFINISHED.
- MATCH VERTICAL FINISH OF ALL INTERIOR GYPSUM BOARD SOFFITS TO HORIZONTAL FINISH AS NOTED ON RCP OR ROOM FINISH SCHEDULE, UNO.
- PAINT ALL EXPOSED CEILINGS DESIGNATED AS 'OTS' AS INDICATED ON ROOM FINISH SCHEDULE. PAINTING INCLUDES, BUT IS NOT LIMITED TO: EXPOSED STRUCTURE, JOISTS, METAL DECKING, EXISTING TECTUM PANELS, DUCTWORK AND MECHANICAL EQUIPMENT.
- PAINT ALL EXPOSED STEEL, UNO.
- PAINT ALL INTERIOR HOLLOW METAL DOORS AND FRAMES COLOR SW7048 URBAN BROZE, UNO.
- PAINT OR FINISH THE FOLLOWING ITEMS TO MATCH ADJACENT PAINT OR FINISH:
 - ELECTRICAL PANELS IN FINISHED ROOMS
 - GRILLES, LOUVERS ETC. PRIMED OR SPECIFIED TO BE PAINTED
 - UNFINISHED SPEAKER OUTLET GRILLES
 - VISIBLE PORTIONS OF DUCTWORK AND MECH EQUIPMENT BEHIND VENTS, GRILLES AND DIFFUSERS

DOOR SCHEDULE

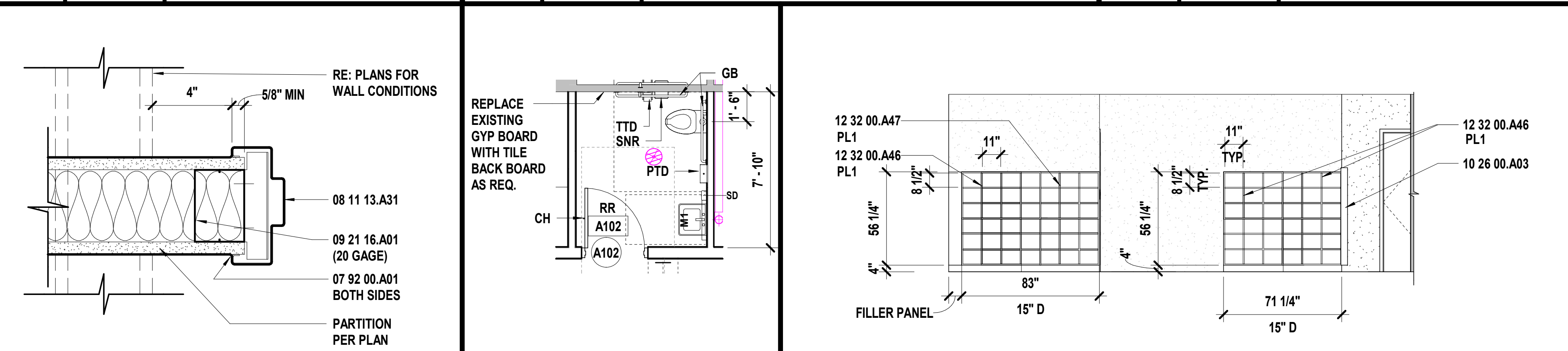
DOOR				Frame		All DETAILS on A621 UNO					Fire Rating	Remarks
Number	Size	Type	Glass	Type	Material	Head	Strike	Hinge	Thresh			
A101B	3'-0" x 7'-0" x 1 3/4"	EXISTING		--	HM					--	--	EXISTING DOOR TO REMAIN. CHANGE DOOR ACCESS TO CARD READER ONLY FOR BOTH SIDES
A102	3'-0" x 7'-0" x 1 3/4"		A1	A	HM	D7	A7	A7		--		
A103	3'-0" x 7'-0" x 1 3/4"		B1	11	A	HM	D7	A7	A7	--		
A104	3'-0" x 7'-0" x 1 3/4"		B1	11	A	HM	D7	A7	A7	--		
A105	3'-0" x 7'-0" x 1 3/4"		B1	11	A	HM	D7	A7	A7	--		



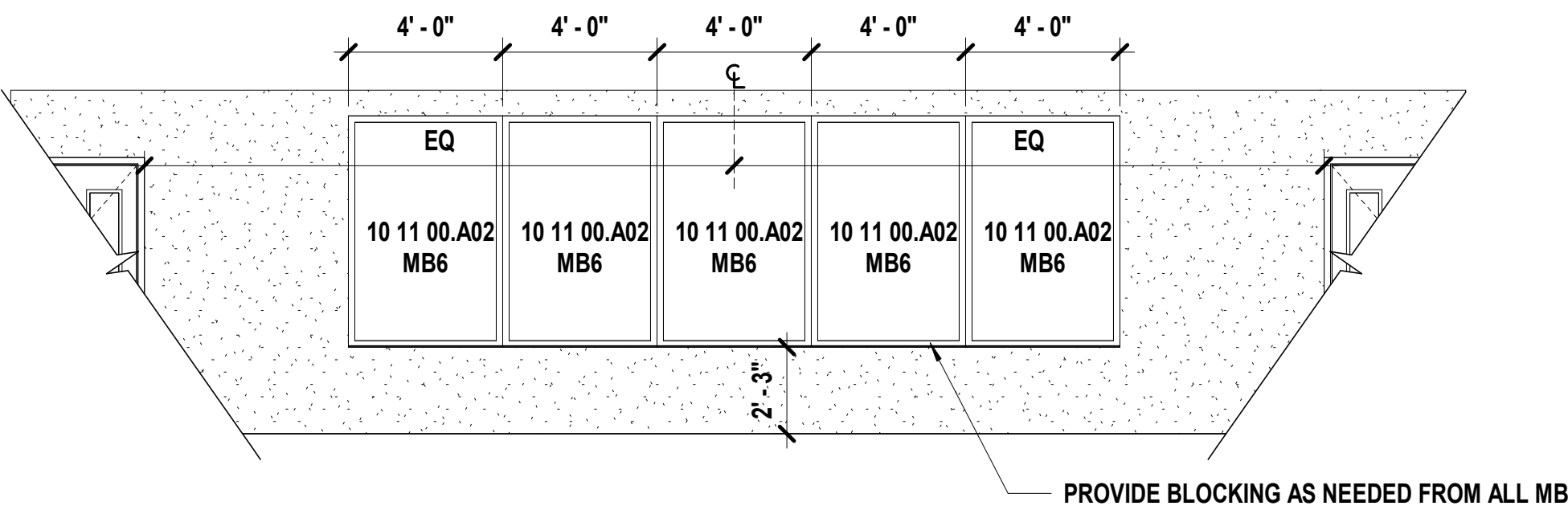
G10	Scale	Hollow Metal Frame Types	G13	Scale	Door Types
	1/4" = 1'-0"			1/4" = 1'-0"	



D7	Scale	HM Head @ Metal Stud	D10	Scale	Flooring Reducer Strip Detail	D14	Scale	Interior Elevation - A101 East
	3" = 1'-0"			12" = 1'-0"			1/4" = 1'-0"	



A7	Scale	HM Jamb @ Metal Stud	A10	Scale	Enlarged Restroom - 102	A12	Scale	Interior Elevation - A101 North
	3" = 1'-0"			1/4" = 1'-0"			1/4" = 1'-0"	



A1	Scale	Interior Elevation - A101 South
	1/4" = 1'-0"	

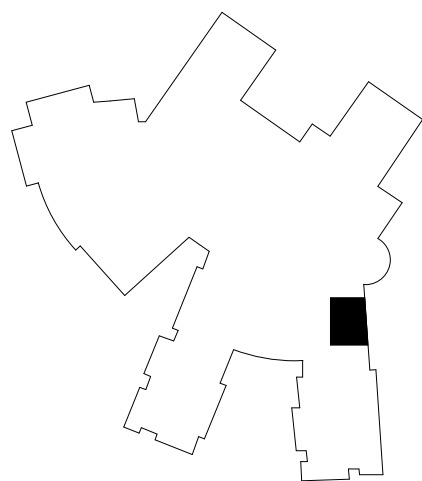
SHEET NOTES

- REFER TO SHEET G000 FOR SHEET INDEX
- DO NOT SCALE THIS DRAWING
- INTERIOR DIMENSIONS ARE TO THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - TO FACE OF STUD
 - TO FACE OF MASONRY UNIT
 - TO FACE OF DOOR AND WINDOW ROUGH OPENING
- COORDINATE LOCATIONS WHERE BACKING REQUIRED FOR WALL HUNG CASEWORK, MARKERBOARDS, AND TECHNOLOGY
- COLOR/MATERIAL TRANSITIONS ARE NOTED WHEN THEY DO NOT OCCUR AT INSIDE CORNERS
- REFER TO MEP SHEETS FOR LOCATION DIAGRAM OF SWITCHES, THERMOSTATS, FIRE ALARM STROBES TO BE MOUNTED ADJACENT TO ENTRY DOORS OR AT OUTSIDE CORNERS WITHIN ROOMS
- COORDINATE WITH ELECTRICAL SHEETS FOR HEIGHT OF OUTLETS A.F.F. AND/OR ABOVE COUNTERTOPS
- COORDINATE WITH MECHANICAL SHEETS FOR LOCATIONS OF WALL MOUNTED GRILLES AND REGISTERS
- ALL EXPOSED SURFACES TO RECEIVE PLASTIC LAMINATE
- REFER TO PLUMBING DRAWINGS FOR LOCATIONS OF SINKS AND OTHER PLUMBING FIXTURES LOCATED WITHIN CASEWORK
- ALL BASE CABINETS ARE TO BE 24" DEEP, UNO
- ALL UPPER CABINETS ARE TO BE 16" DEEP, UNO
- ALL TALL STORAGE AND WARDROBE CABINETS ARE TO BE 24" DEEP, UNO
- REFER TO INTERIOR ELEVATIONS, THIS SHEET, FOR PLACEMENT OF ALL WALL MOUNTED/RECESSED ITEMS
- COORDINATE LOCATIONS WHERE BACKING REQUIRED FOR TOILET ACCESSORIES
- ALL WARDROBE CABINETS TO HAVE LOCKS
- PROVIDE WOOD CLEAT AT BACK AND SIDE WALLS OF ALL COUNTERTOPS WITH NO BASE CABINET BELOW

DOOR TYPE NOTES

- REFER TO DOOR SCHEDULE FOR OVERALL DOOR DIMENSIONS
- DIMENSIONS ASSOCIATED WITH VISION LITES ARE TO THE OUTSIDE OF THE VISION LITE FRAME UNLESS NOTED OTHERWISE
- REFER TO DOOR SCHEDULE TO DETERMINE WHICH DOORS ARE REQUIRED TO BE FIRE RATED
- REFER TO DOOR SCHEDULE FOR GLASS TYPES IN DOORS

KEY PLAN



Liberty North High School - Classroom Remodel

Liberty Public Schools

1000 NE 104th Street

Liberty, MO 64068

REVISIONS:

#	Description	Date
---	-------------	------



MARCH 11, 2024

Kevin E. Nelson
A-2019015618

This Professional Addressed and dated to the client represents only the original and latest version of the work. All changes, amendments and additions to existing work shall be incorporated pursuant to the contract, and the architect assumes no liability for any and all changes for each plan, drawing, or document for existing work.

JOB NO: 21022
DRAWN BY: VP
CHECKED BY: JB/NY
DATE: 03/11/2024

A621

STRUCTURAL ABBREVIATIONS

- | | | | | | |
|-------------|----------------------------|------------------------------|-------------------------------|----------|-------------------------------|
| @ | AT | GA | GAGE | RAD | RADIUS |
| & | AND | GALV | GALVANIZED(I) | RD# | ROOF DECK TYPE |
| ADTL | ADDITIONAL | GEN | GRADE | REF | REFERENCE |
| AFV | ABOVE FINISHED FLOOR | HOR | HORIZONTAL | REINF | REINFORCEMENT |
| ALT | ALTERNATE | HORIZ | HOLLOW STRUCTURAL SECTION | REQD | REQUIRED |
| ARCH | ARCHITECTURAL | IF | INSIDE FACE | REVISION | |
| BLDG | BUILDING | INFO | INFORMATION | RLL | ROOF LIVE LOAD |
| BS | BOTTOM OF | INT | INTERIOR | RTU | ROOF TOP UNIT |
| BMT | BEAM | JST | JOIST | SC | SLIP CRITICAL |
| BOT | BOTTOM | JST | JOIST | SCHED | SCHEDULE(D) |
| BVG | BEARING | JOINT | JOINT | SECT | SECTION |
| C | CAMBER | K | KIPS (1000 LBS) | SHEET | SHEET |
| CD# | CONCRETE DECK TYPE | KSF | KIPS PER SQUARE FOOT | SIM | SIMILAR |
| CD | RESTRICTION/CONTROL JOINT | LES | KIPS PER SQUARE INCH | SL | SAW JOINT |
| CJ | COMPLETE JOINT PENETRATION | LBS | POUNDS | SNOW | SNOW LOAD |
| CL | CENTERLINE | LD | DEVELOPMENT LENGTH | SOB | SLAB-ON-GRADE |
| COL | COLUMN | LL | LIVE LOAD | SOG | SLAB-ON-GRADE TYPE |
| COLC | CONCRETE | LONG | LONG LEG HORIZONTAL | SPAC | SPACING |
| CONC | CONCRETE | LONG | LONG LEG VERTICAL | SPEC | SPECIFICATION |
| CONN | CONNECTION | LONG | LONGITUDINAL | SPT | SUPPORT |
| CONT | CONTINUOUS | LONG-SLOTTED HOLE TRANSVERSE | | SQ | SQUARE |
| COORD | COORDINATE | LTWT | LIGHTWEIGHT | SS | STAINLESS STEEL |
| COV, CVR | COVER | M | MOMENT FORCE | SSLT | SHORT-SLOTTED HOLE TRANSVERSE |
| DBL | DOUBLE | MAX | MAXIMUM | STD | STANDARD |
| DET | DETAIL | MCH | MECHANICAL | STIFF | STIFFENER |
| DIAM | DIAMETER | MEGR | MANUFACTURER | STR | STIRRUP |
| DIM | DIMENSION | MIN | MINIMUM | STEEL | STEEL |
| DL | DEAD LOAD | MISC | MISCELLANEOUS | STRUCT | STRUCTURE, STRUCTURAL |
| DWG | DRAWING | MASONRY | | T | TOP OF |
| EA | EACH | MTL | METAL | THRU | THROUGH |
| EAF | EACH FACE | NF | NEAR FACE | TOS | TOP OF STEEL, TOP OF SLAB |
| EJ | EXPANSION JOINT | NS | NEAR SIDE | TRANS | TRANSVERSE |
| EL | ELEVATION | NTS | NOT TO SCALE | TPV | TYPICAL |
| EMB | EMBEDMENT | NW | NORMAL WEIGHT | UNO | UNLESS NOTED OTHERWISE |
| ENG | ENGINEER | ON | ON CENTER | V | SHEAR FORCE |
| EOD | EDGE OF DECK | OF | OUTSIDE FACE | VERT | VERTICAL |
| EOS | ENGINEER OF RECORD | OPNG | OPENING | WITH | |
| EQU | EQUIPMENT | OPP | OPPOSITE | W/O | WITHOUT |
| EXP | EACH WAY | OVS | OVERSIZED HOLE | WF | WIDE FLANGE |
| EXT | EXTERIOR | P | AXIAL FORCE | WLD | WELD |
| EXTG, EXIST | EXISTING | PAS | POWDER ACTUATED FASTENER | WP | WORK POINT |
| FDU | FLOOR DECK TYPE | PC | PRECAST | WWF | WELDED WIRE FABRIC |
| FDN | FOUNDATION | PCF | POUNDS PER CUBIC FOOT | | |
| FL | FLAT FACE | PEB | PRE-ENGINEERED METAL BUILDING | | |
| FIN | FINISH | PERP | PERPENDICULAR | | |
| FR | FLOOR | PL | PLATE | | |
| FS | FAR SIDE | PLF | POUNDS PER LINEAR FOOT | | |
| FTG | FOOTING | PJP | PARTIAL JOINT PENETRATION | | |
| FV | FIELD VERIFY | PSF | POUNDS PER SQUARE FOOT | | |
| | | PSI | POUNDS PER SQUARE INCH | | |
| | | QTY | QUANTITY | | |

DL	DEAD LOAD	MSRY	MASONRY	T/	TOP OF
DWG	DRAWING	MTI	METAL	THRU	THROUGH

- | | | | | | |
|----------|---------------------|------|---------------|-------|------------------------|
| EJ | EACH | NF | NEAR FACE | TOB | TOP OF SLAB |
| EA | EACH FACE | NS | NEAR SIDE | TRANS | TRANSVERSE |
| EX | EXPANSION JOINT | NT | NOT TO SCALE | TYP | TYPICAL |
| EL, ELEV | ELEVATION | NW | NORMAL WEIGHT | UNO | UNLESS NOTED OTHERWISE |
| EMBED | EMBEDMENT, EMBEDDED | OC | ON CENTER | V | SHEAR FORCE |
| ENGR | ENGINEER | OF | OUTSIDE FACE | VERT | VERTICAL |
| EOD | EDGE OF DECK | OPNG | OPENING | W/ | WITH |

EOS	EDGE OF SLAB	OVS	OVERSIZED HOLE	WF	WIDE FLANGE
EQ	EQUAL	P	AXIAL FORCE	WL	WIND LOAD

- | | | | | | |
|-------------|-----------------|------|-------------------------------|-----|--------------------|
| EW | EACH WAY | PC | PRECAST | WWF | WELDED WIRE FABRIC |
| EXP | EXPANSION | PCF | POUNDS PER CUBIC FOOT | | |
| EXT | EXTERIOR | PEMB | PRE-ENGINEERED METAL BUILDING | | |
| EXTG, EXIST | EXISTING | PERP | PERPENDICULAR | | |
| FD-# | FLOOR DECK TYPE | PL | PLATE | | |
| FDN | FOUNDATION | PLF | POUNDS PER LINEAR FOOT | | |
| FF | FAR FACE | PLF | PARTIAL JOINT PENETRATION | | |
| FIN | FINISH | PSF | POUNDS PER SQUARE FOOT | | |
| FLR | FLOOR | PSI | POUNDS PER SQUARE INCH | | |
| FS | FAR SIDE | QTY | QUANTITY | | |
| FTG | FOOTING | | | | |
| FV | FIELD VERIFY | | | | |

-
- 2'-6" (F.V.) (TYP.)
- 2'-6" (F.V.) (TYP.)
- EXISTING JOIST
- EXISTING CONCRETE SLAB
- EXISTING JOIST
- EXISTING JOIST
- EXISTING BRIDGING BEYOND
- L2x2x1/4 X-BRACE
- L2x2x1/4 X-BRACE
- 3
- S101
- EACH SIDE

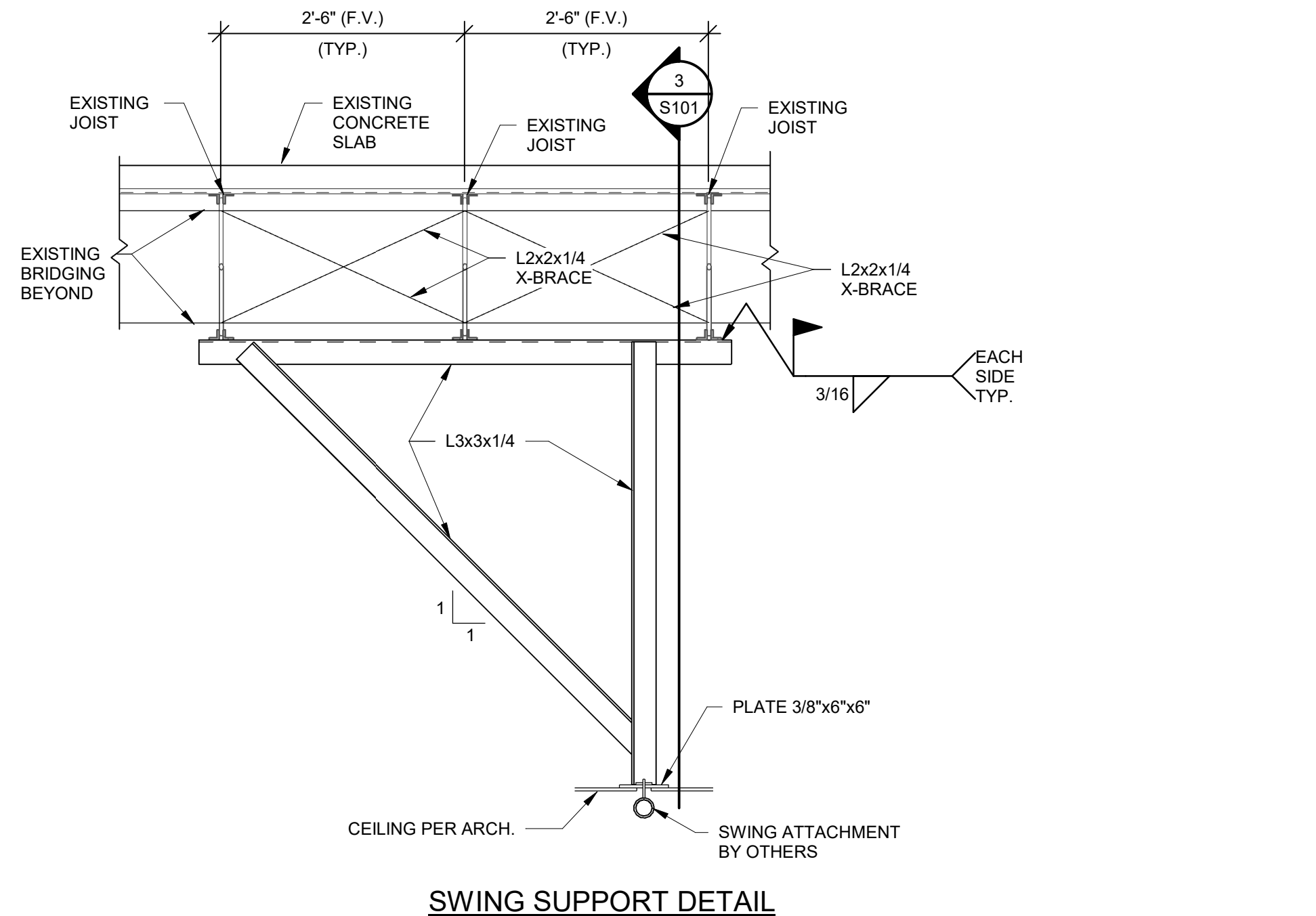
L3x3x1/4

-

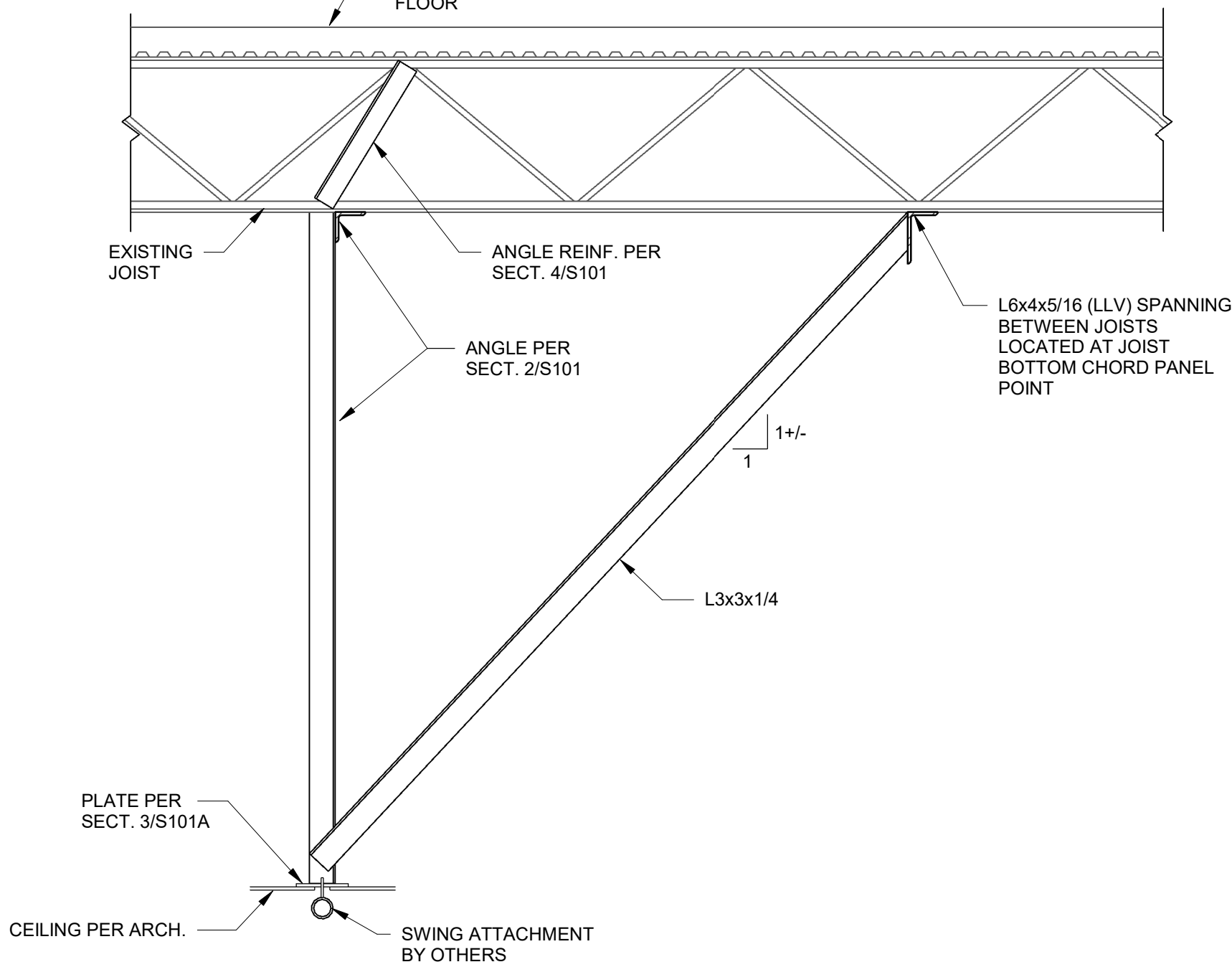
2 SECTION



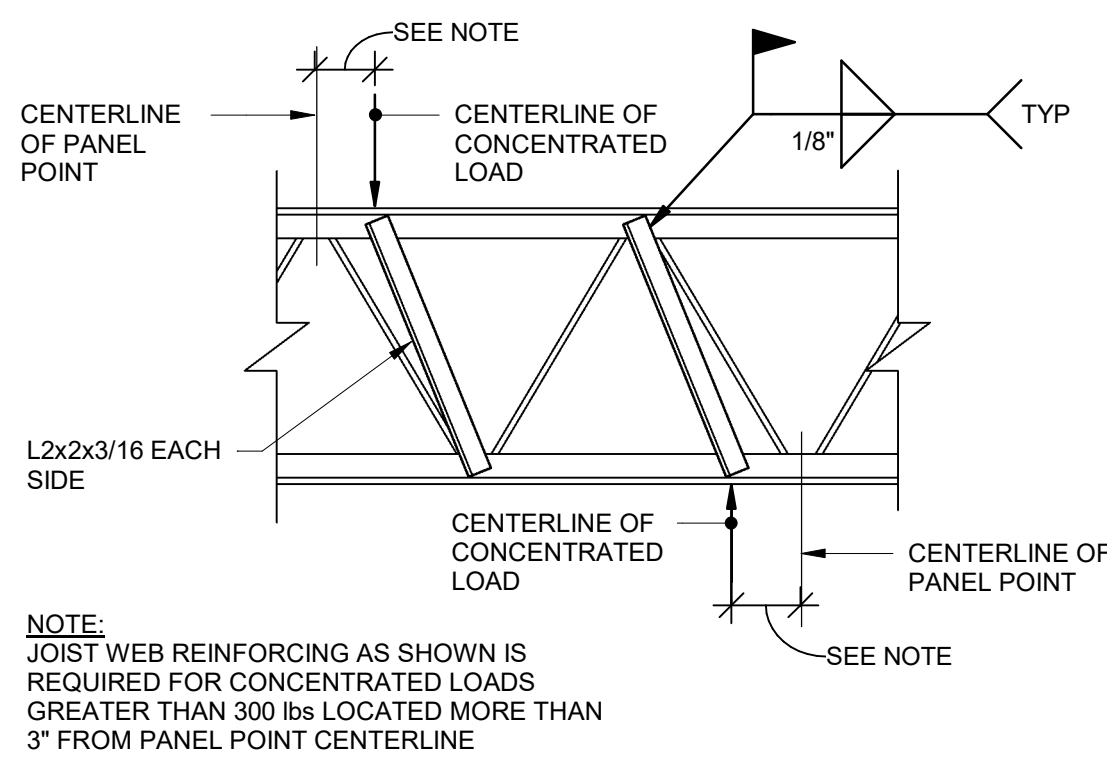
1 FRAMING PLAN - SPED



SWING SUPPORT DETAIL



3 SECTION



TYPICAL JOIST REINFORCING DETAIL

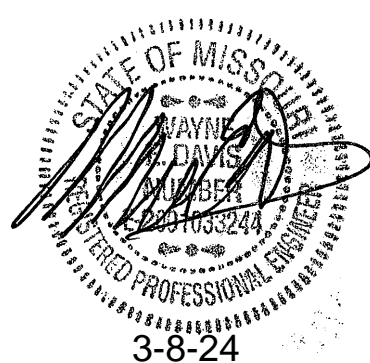
4 SECTION

- LEGEND:**
- [E] INDICATES EXISTING STRUCTURAL MEMBER

Liberty North High School - Classroom Remodel

Liberty North High
Liberty Public Schools
1000 NE 104th Street
Liberty, MO 64068

REVISIONS:		
#	Description	Date



JOB NO: 21022
DRAWN BY: KEJ
CHECKED BY: WED
DATE: 03/08/2024

S101

GENERAL NOTES

 Please consider the environment before printing this document.

PROJECT NAME: 2314717 Liberty HS 2023 - Liberty North HS SPEED Remodeling
LAST CORRECTION: \\sbs\projects\2314717\2314717.dwg
DRAWN BY: SBI
CHECKED BY: RJD
DATE: 03.11.2024
PLOTTED BY: DATE • TIME
Monday, March 11, 2024 12:27:29 PM
Booby Carries

A

B

C

D

E

F

G

H

J

K

L

M

N

P

Q

R

DUCTWORK SCHEDULE						
SERVICE	DUCT MATERIAL	DUCT SHAPE	SMACNA REQUIREMENTS			OTHER REQUIREMENTS
			CLASSIFICATION	SEAL CLASS	LEAKAGE CLASS	
LOW PRESSURE SUPPLY AIR DUCTS CONNECTED DOWNSTREAM OF EQUIPMENT SUCH AS TERMINAL UNITS, FAN COIL UNITS, SINGLE ZONE RTUS, ENERGY RECOVERY UNITS ETC.	GALVANIZED STEEL	RECTANGULAR	2" WG POSITIVE	B	12	1", 3LB DENSITY LINER PAINTABLE WHERE EXPOSED INSULATED - SEE SCHEDULE
	GALVANIZED STEEL	ROUND/FLAT OVAL (EXPOSED)	4" WG POSITIVE SPIRAL SEAM/FLAT OVAL	B	3	PAINTABLE WHERE EXPOSED INSULATED - SEE SCHEDULE
RETURN AIR AND TRANSFER AIR DUCTWORK	GALVANIZED STEEL	RECTANGULAR	2" WG NEGATIVE	B	12	1", 3LB DENSITY LINER PAINTABLE WHERE EXPOSED
GENERAL EXHAUST DUCTS TO THE INLET OF THE FAN	GALVANIZED STEEL	RECTANGULAR OR ROUND	2" WG NEGATIVE	B - RECTANGULAR A - ROUND	12 - RECTANGULAR 3 - ROUND	PAINTABLE WHERE EXPOSED

NOTES:
1: SEE DUCTWORK INSULATION SCHEDULE FOR REQUIREMENTS ON DUCT INSULATION

GRILLE, REGISTER & DIFFUSER SCHEDULE								
PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	MOUNT TYPE	VOLUME DAMPER	MATERIAL	COLOR	REMARKS
SD-1	TITUS	OMNI	SUPPLY	LAY-IN	NOTE 3, 2	STEEL	NOTE 1	-
RG-1	TITUS	355 RL	RETURN	LAY-IN/SURFACE	NO	STEEL	NOTE 1	-

NOTES:
1: FURNISH WITH WHITE FINISH FOR CEILING MOUNTED APPLICATIONS AND PAINTABLE FINISH FOR WALL MOUNTED APPLICATIONS.
2: FURNISH WITH VOLUME DAMPER AT THE DUCT TAP.
3: FURNISH WITH REMOTE DAMPER ACTUATOR FOR INACCESSIBLE CEILING APPLICATIONS.

DUCTWORK INSULATION SCHEDULE	
SERVICE	INSULATION
CONCEALED DUCTWORK AS FOLLOWS: ALL RECTANGULAR (NOTE 3) MEDIUM PRESSURE SUPPLY AIR (ROUND AND RECTANGULAR) AND IN-LINE TRANSITIONS. EXHAUST AIR BETWEEN ISOLATION DAMPER AND PENTRATION OF BUILDING EXTERIOR	1-1/2", 1.5 LB. RIGID FIBERGLASS BLANKET, VAPOR BARRIER FACED, WITH HEAVY DUTY FOIL-SCRIM-KRAFT FACING.

NOTES:
1: SEE DUCTWORK SCHEDULE FOR ITEMS THAT ARE TO BE LINED.
2: EXPOSED, LOW PRESSURE, ROUND AND FLAT OVAL SUPPLY AIR DUCTWORK IS NOT INSULATED.
3: FIELD VERIFY EXISTING DUCTWORK INSULATION METHODS AND PROVIDE TO MATCH. (INCLUDE IN BID 1" LINEAR OR 1-1/2" WRAP)

PIPE INSULATION SCHEDULE - PLUMBING		
SERVICE	PIPE SIZE	INSULATION
DOMESTIC COLD WATER	1/2" - 2"	1/2" FIBERGLASS, ASJ
DOMESTIC HOT WATER	ALL	1" FIBERGLASS, ASJ
EXPOSED FIXTURE WASTETRAPS AND DOMESTIC HOT AND COLD WATER AT ALL EXPOSED LOCATIONS SINKS AND LAVATORIES	ALL	TRUEBRO LAV AGUARD MOLDED PROTECTIVE PIPE COVER OVER 1/2" FIBERGLASS INSULATION

NOTES:
1: FOR ALL EXPOSED PIPING PROVIDE PAINTABLE PVC JACKET. (EXCLUDES MECHANICAL SPACES)

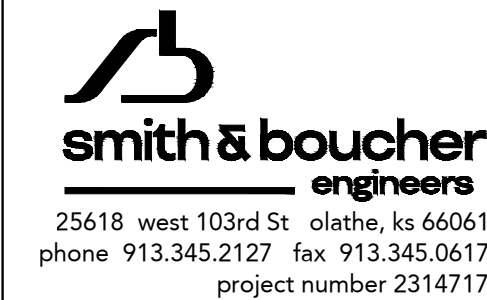
PLUMBING FIXTURE SCHEDULE									
MARK	MANUFACTURER/ MODEL	DESCRIPTION	MANUFACTURER/MO DEL	FITTINGS DESCRIPTION	NOTE	PIPING CONNECTIONS			
						CW	HW	SAN	VENT
WC-1	AMERICAN STANDARD	ADA COMPLIANT WATER CLOSET: WHITE VITREOUS CHINA, ELONGATED BOWL,	SLOAN G2 8111-1.28	G2 EXPOSED. SENSOR OPERATED WITH 1.28 GPF AND BATTERY POWER.	4	1-1/4"	--	4"	2"
	AF-WALL	WALL MOUNTED, FLUSH VALVE BOWL WITH TOPSPUD AND FLAT BOLT COVERS.		CHROME FINISH					
	2257.101	1.28 GALLON SIPHON JET FLUSHING ACTION.							
		SEE ARCHITECTURAL FOR MOUNTING HEIGHTS.		COORDINATE SPUD LOCATION TO COORDINATE WITH ADA GRAB BARS.					
	WADE	CARRIER. PROVIDE CARRIER AS REQUIRED TO SUIT APPLICATION.		PROVIDE WALL AND SPUD FLANGES.					
	CHURCH	SEAT: SOLID PLASTIC, OPEN FRONT, WHITE, ELONGATED BOWL, INTEGRAL							
	9500C	BUMPERS, EXTERNAL CHECK HINGES WITH STAINLESS STEEL POSTS.							
L-1	MANSFIELD	ADA COMPLIANT SEMI-RECESSED LAVATORY: WHITE VITREOUS CHINA, FRONT OVERFLOW.	MOEN	SINGLE LEVER HANDLE, 4" CENTER SET, CAST BRASS BODY, CHROME FINISH	1,2,3,4	1/2"	1/2"	2"	1-1/2"
	2028-1-WHT	FAUCET HOLES TO MATCH FAUCET TYPE.	8437	POP UP DRAIN, 0.5 GPM FLOW					
				PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE FOR HOT WATER SUPPLY					

NOTES:
1: PROVIDE CHROME PLATED BRASS P-TRAP.
2: PROVIDE BRASS STOPS AND FLEXIBLE RISERS.
3: INSULTE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS WITH TRUEBRO LAV GUARD MOLDED PROTECTIVE PIPE COVER OVER 1/2" FIBERGLASS INSULATION.
4: PROVIDE WITH ALL MOUNTING HARDWARE AS REQUIRED.

DRAIN SCHEDULE		
MARK	MANUFACTURER/ MODEL	DESCRIPTION
FD-1	WADE W-1100-5	CAST IRON DRAIN WITH ADJUSTABLE TOP AND 5" NICKEL BRASS STRAINER WITH VANDAL RESISTANT SCREWS. SEE PLAN FOR OUTLET SIZE.

FAN SCHEDULE		
DESIGNATION		EF-1
SERVICE		RESTROOM
MANUFACTURER		COOK
FAN TYPE		INLINE
SERIES		GC-100
MODEL		GC-146
WEIGHT (LBS)		14
UNIT DATA	CFM	75
	STATIC PRESSURE	0.25
	FAN RPM	900
	BRAKE HORSEPOWER	34 W
	MOTOR HORSEPOWER	-
	DRIVE	DIRECT
ELECTR/CONTROL DATA	SONES	1.4
	VOLTAGE/PHASE	277/1
	PANEL & CIRCUIT	NOTE 1
	WIRE & CONDUIT	(2#12,#12G,1/2" C
	OVERCURRENT DEVICE	-
	DISCONNECT	NOTE 1
	COMBINATION STARTER	-
	CONTROL	RE: DWGS
DAMPER TYPE	BACKDRAFT	
	DAMPER VOLTAGE	-
REFERENCE DRAWING/DETAIL		M101A
REMARKS		2

NOTES:
1: FAN TO BE CIRCUITED THROUGH AND CONTROLLED BY LIGHTING CIRCUIT. REFER TO LIGHTING PLANS FOR CIRCUITING AND SWITCH LOCATION.
2: PROVIDE WITH FAN SPEED CONTROLLER.



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project number 2314717

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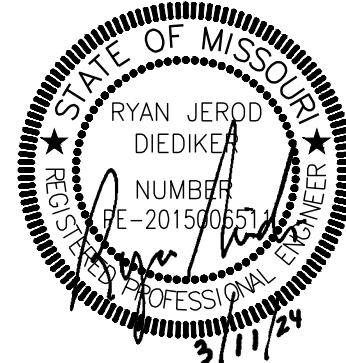
Liberty North High School - Classroom Remodel

Liberty Public Schools

1000 NE 104th. Street
Liberty, MO 64068

REVISIONS:

#	Description	Date
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DATE: 03.11.2024

ME201

MECHANICAL AND ELECTRICAL - SCHEDULES

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CONSTRUCTION DOCUMENTS

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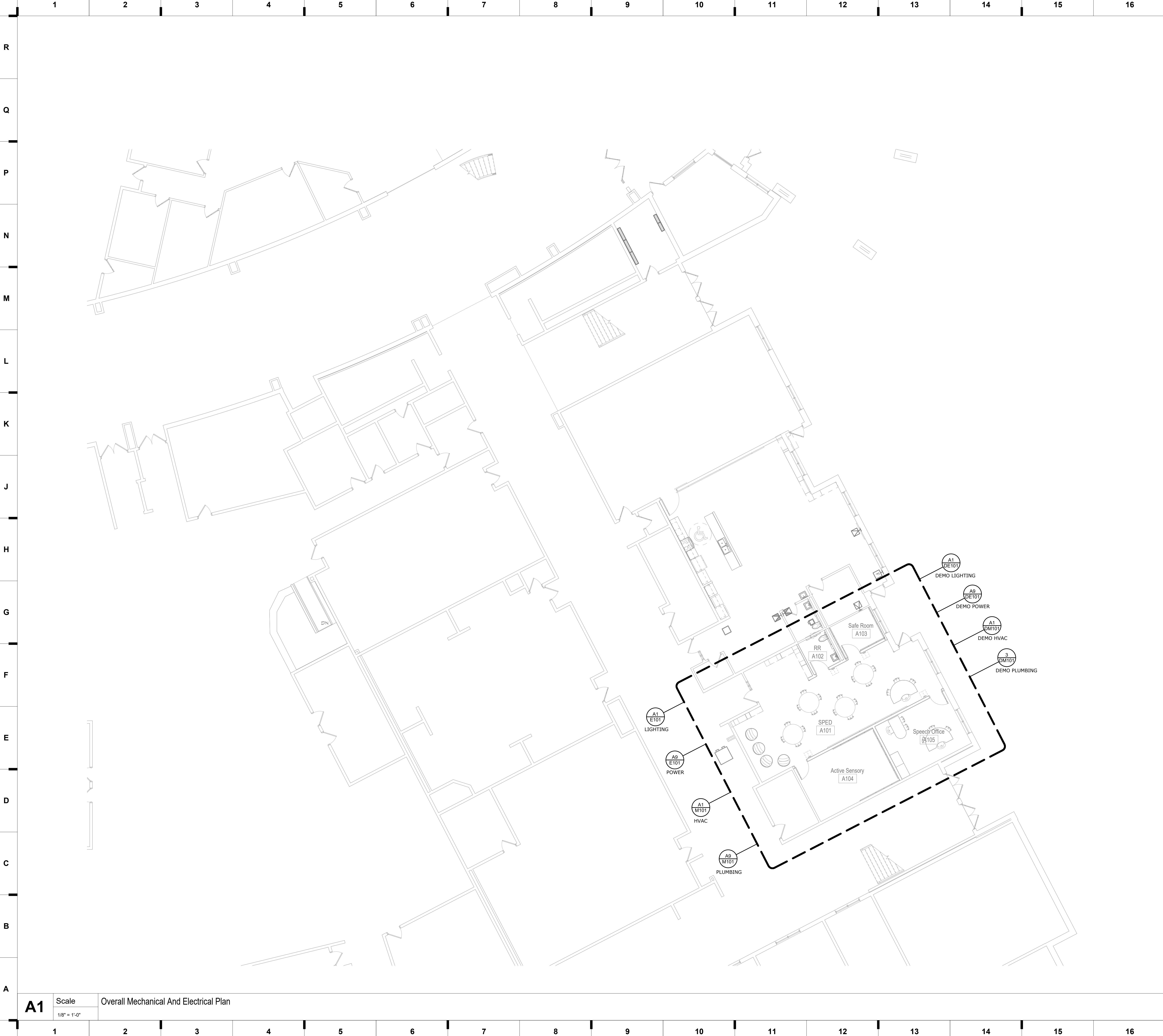
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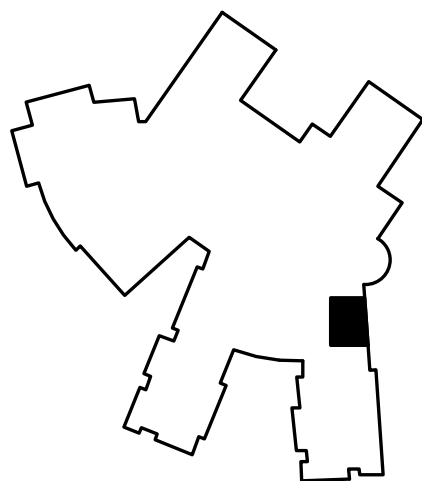
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phone 913.345.2127 fax 913.345.0617
project number 2314717

KEY PLAN

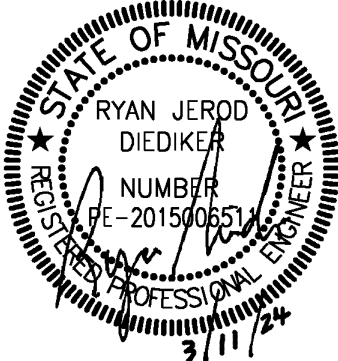


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ME204

OVERALL MECHANICAL & ELECTRICAL PLAN

CONSTRUCTION
DOCUMENTS



The Professional Engineer and Architect have signed and applied seals to the original and every sheet of this project. All drawings, specifications and other documents are prepared by the architect and are intended to be used in accordance with the contract documents and the applicable laws and regulations. The architect and engineer are not responsible for the construction of the project or for the performance of the project.



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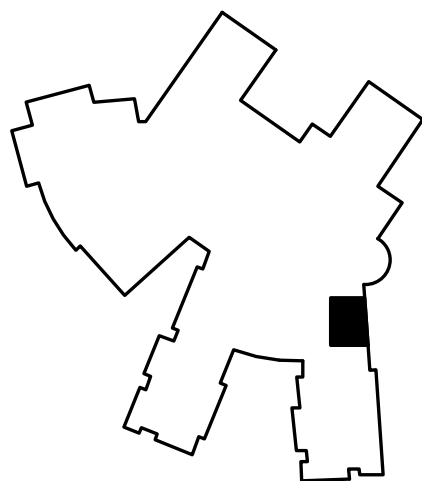
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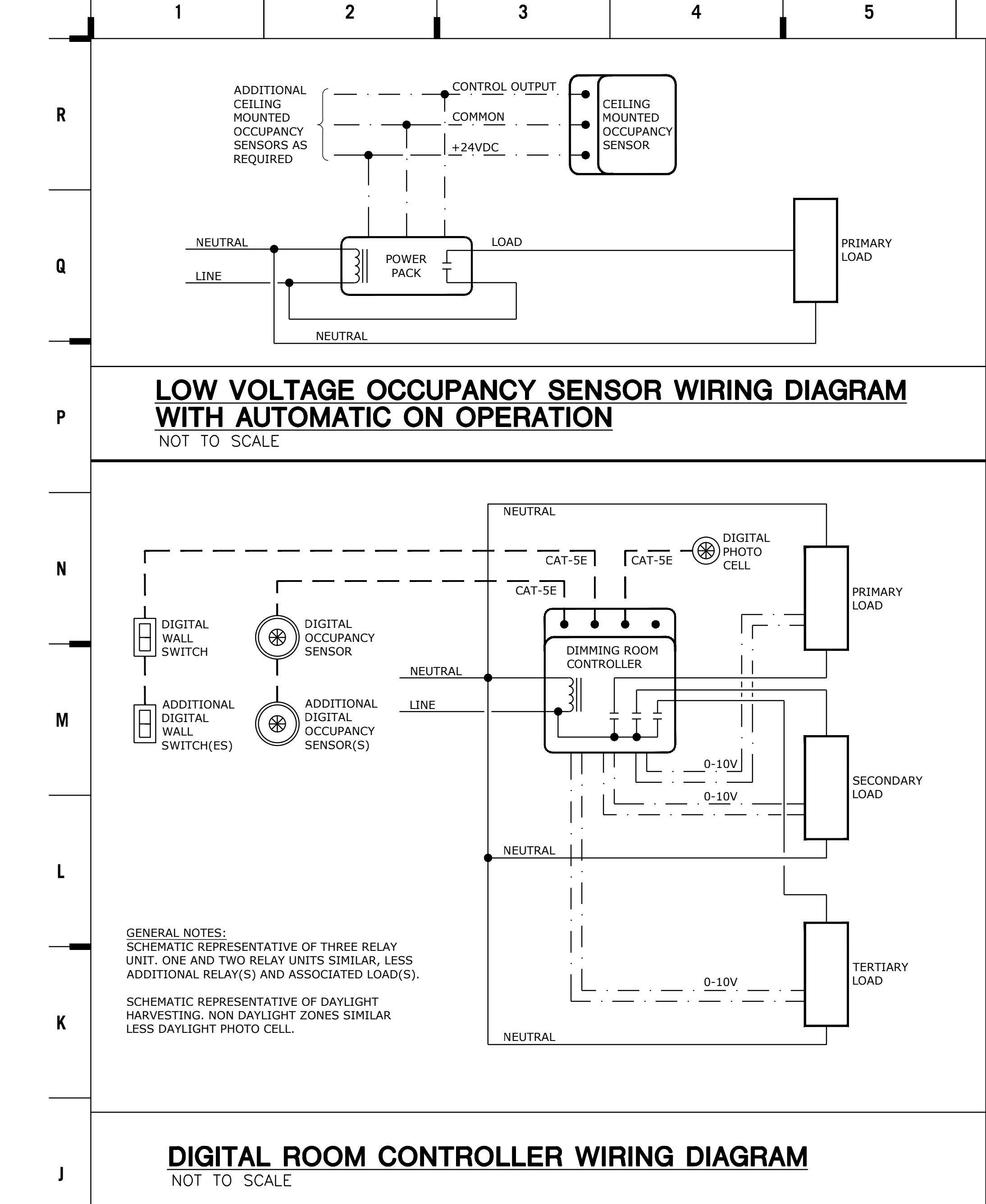


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E201

231417 Liberty 09-2023 - Liberty North HS SPEED Remodeling - Plans
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Jesse Jones
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PROJECT NAME: 231417 Liberty 09-2023 - Liberty North HS SPEED Remodeling - Plans
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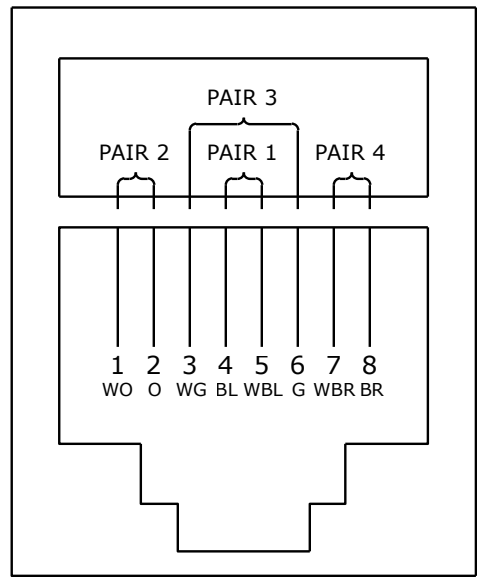
LIGHTING CONTROL REQUIREMENTS & DESCRIPTIONS - PER SPACE TYPE	
TYPE	LIGHTING CONTROL REQUIREMENTS FOR SPACE
1	<p>CONTROL METHOD: MANUAL ON - OCCUPANCY OFF - MANUAL DIMMING CONTROLS - MANUAL COLOR TUNING CONTROLS:</p> <p>POWER PACKS/CONTROLLERS: -LOCAL DEVICES IN ACCESSIBLE LOCATIONS AS REQUIRED TO ACHIEVE CONTROL METHOD INDICATED.</p> <p>OCCUPANCY SENSOR(S): -TYPE, LOCATION, AND MINIMUM QUANTITY NOTED ON PLANS. MODELS/SETTINGS AS NEEDED TO PROVIDE SMALL MOTION COVERAGE IN ENTIRE ROOM. -SET TIME DELAYS FOR SHUT-OFF AT 30 MINUTES.</p> <p>DIMMABLE ZONE SWITCHES: -LOCATION(S) AND QUANTITIES SHOWN ON FLOOR PLANS. -ZONE QUANTITIES FOR EACH SWITCH LOCATION DENOTED ON FLOOR PLANS. -ZONE DESIGNATIONS ARE DENOTED FOR EACH DIMMER LOCATION WHEN DIFFERENT ZONES ARE CONTROLLED FROM DIFFERENT DIMMERS WITHIN THE SAME ROOM. -ZONES ARE DENOTED ON EACH ASSOCIATED LIGHT FIXTURE WHEN MULTIPLE ZONES ARE PRESENT WITHIN ROOM, USING LOWER CASE LETTERS AS FOLLOWS: "a", "b", "c", ETC. -ON AND OFF CONTROL FOR EACH ZONE, WITH EITHER SEPARATE BUTTONS OR SINGLE BUTTON ROCKER STYLE. NOT TOGGLE STYLE. -RAISE AND LOWER CONTROL FOR EACH ZONE, WITH EITHER SEPARATE BUTTONS OR SINGLE BUTTON ROCKER STYLE. NOT SLIDER STYLE.</p> <p>COLOR TUNING ZONE SWITCHES: -FOR EACH ZONE OF DIMMING PROVIDE A SEPARATE 0-10V COLOR TUNING SWITCH TO ALLOW FOR ADJUSTING THE COLOR TEMP OF THE FIXTURES IN THE DIMMING ZONES.</p> <p>AUTOMATIC DAYLIGHT HARVESTING PHOTOCELL(S), WHEN SHOWN ON PLANS: -AUTOMATICALLY RAISE/LOWER LIGHTING OUTPUT OF EACH LIGHTING ZONE, EITHER FULLY ARE PARTIALLY, WITHIN EACH DAYLIGHT ZONE(S) NOTED ON FLOOR PLANS. -DEDICATED CLOSED LOOP PHOTOCELL FOR EACH ROOM WITH DAYLIGHT ZONE(S).</p>
2	<p>CONTROL METHOD: MANUAL ON - OCCUPANCY OFF - MANUAL DIMMING CONTROLS:</p> <p>POWER PACKS/CONTROLLERS: -LOCAL DEVICES IN ACCESSIBLE LOCATIONS AS REQUIRED TO ACHIEVE CONTROL METHOD INDICATED.</p> <p>OCCUPANCY SENSOR(S): -TYPE, LOCATION, AND MINIMUM QUANTITY NOTED ON PLANS. MODELS/SETTINGS AS NEEDED TO PROVIDE SMALL MOTION COVERAGE IN ENTIRE ROOM. -SET TIME DELAYS FOR SHUT-OFF AT 30 MINUTES.</p> <p>DIMMABLE ZONE SWITCHES: -LOCATION(S) AND QUANTITIES SHOWN ON FLOOR PLANS. -ZONE QUANTITIES FOR EACH SWITCH LOCATION DENOTED ON FLOOR PLANS. -ZONE DESIGNATIONS ARE DENOTED FOR EACH DIMMER LOCATION WHEN DIFFERENT ZONES ARE CONTROLLED FROM DIFFERENT DIMMERS WITHIN THE SAME ROOM. -ZONES ARE DENOTED ON EACH ASSOCIATED LIGHT FIXTURE WHEN MULTIPLE ZONES ARE PRESENT WITHIN ROOM, USING LOWER CASE LETTERS AS FOLLOWS: "a", "b", "c", ETC. -ON AND OFF CONTROL FOR EACH ZONE, WITH EITHER SEPARATE BUTTONS OR SINGLE BUTTON ROCKER STYLE. NOT TOGGLE STYLE. -RAISE AND LOWER CONTROL FOR EACH ZONE, WITH EITHER SEPARATE BUTTONS OR SINGLE BUTTON ROCKER STYLE. NOT SLIDER STYLE.</p> <p>AUTOMATIC DAYLIGHT HARVESTING PHOTOCELL(S), WHEN SHOWN ON PLANS: -AUTOMATICALLY RAISE/LOWER LIGHTING OUTPUT OF EACH LIGHTING ZONE, EITHER FULLY ARE PARTIALLY, WITHIN EACH DAYLIGHT ZONE(S) NOTED ON FLOOR PLANS. -DEDICATED CLOSED LOOP PHOTOCELL FOR EACH ROOM WITH DAYLIGHT ZONE(S).</p>

GENERAL NOTES:
NOTE 1: WHERE NOTED ABOVE, SCHEDULED BUILDING HOURS OF OPERATION ARE AS FOLLOWS: 6:30 AM TO 6:30 PM.
NOTE 2: CONTRACTOR MUST INCLUDE SHOP DRAWINGS WITH LIGHTING CONTROLS SUBMITTAL SHOWING WIRING SCHEMATICS/DIAGRAMS OVERLAYED ON FLOOR PLANS FOR EACH ROOM.
NOTE 3: ALL WALL MOUNTED LIGHTING CONTROLS MUST HAVE MATCHING FINISHES TO THOSE LISTED IN SPECIFICATION SECTION 262726 - WIRING DEVICES.
NOTE 4: CONTRACTOR TO MODIFY OCCUPANCY SENSOR LOCATIONS, AND/OR INCREASE QUANTITIES, AS REQUIRED BASED ON COVERAGE CAPABILITIES OF SUBMITTED PRODUCTS.
NOTE 5: CONTRACTOR TO MODIFY PHOTOCELL LOCATIONS AS REQUIRED BASED ON SUBMITTED PRODUCTS.

LIGHT FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MOUNTING	LAMP	VOLTS	MANUFACTURER	V-A
A	2x4' RECESSED COLOR TUNABLE TROFFER 0-10V COLOR TUNING AND 0-10V DIMMING	RECESSED GRID	LED 4900 LUMENS (DELIVERED) 2700-6000K 90 CRI	UNV	HE WILLIAMS AT1 OR APPROVED EQUAL	47
ER	EXISTING TO BE RELOCATED RECESSED LED 24 SWITCHABLE LUMEN PANEL 0-10V DIMMING	RECESSED GRID	LED 5500 LUMENS (DELIVERED) 3500K 90 CRI	UNV	WILLIAMS SERIES BP	50

NOTE: PROVIDE FIXTURES DESIGNATED WITH AN X ON PLAN WITH 1200 LUMEN (OR MAX FIXTURE OUTPUT) MINIMUM 90MINUTE EMERGENCY BATTERY BACKUP

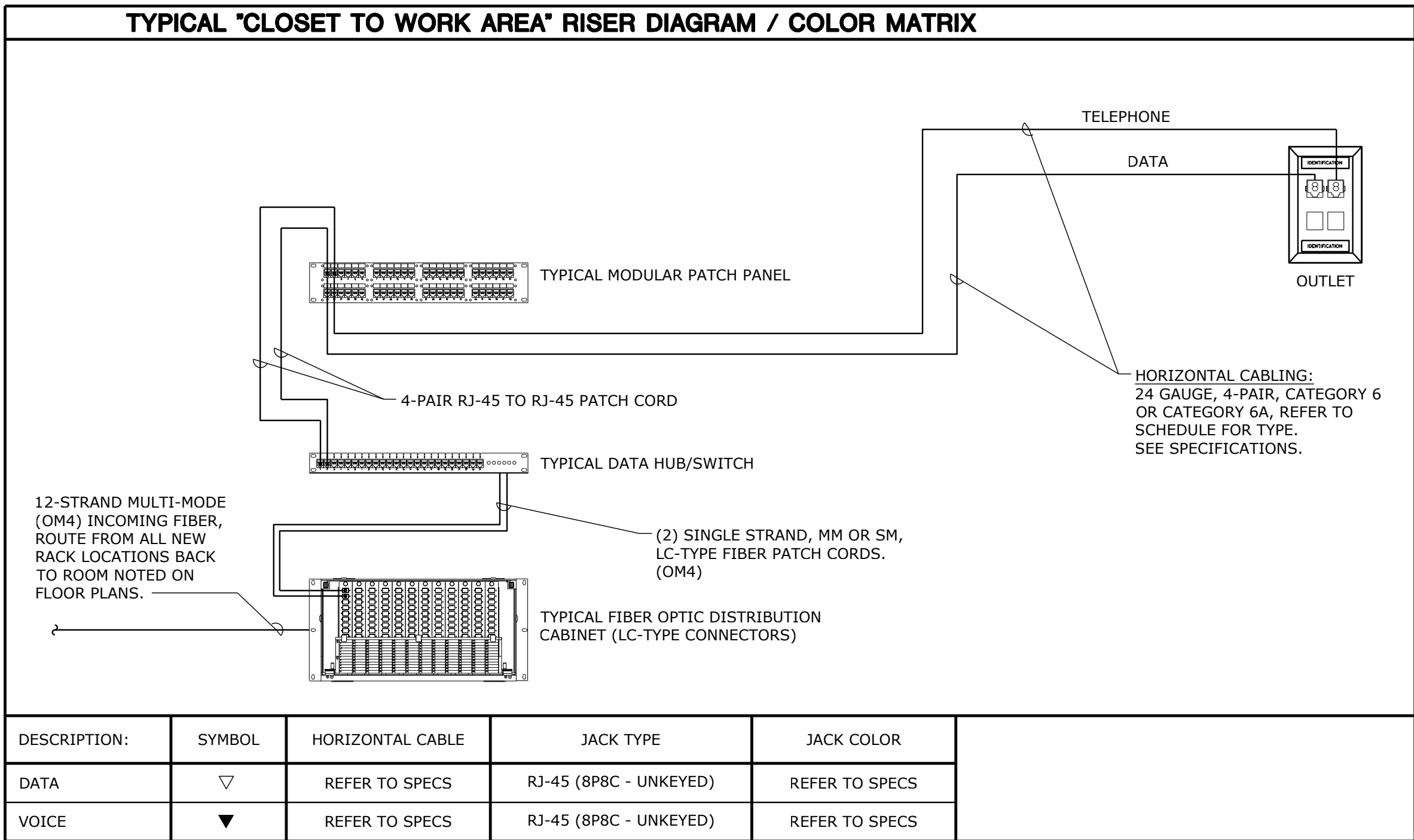
OCCUPANCY CONTROL DEVICE SCHEDULE					
SYMBOL	DESCRIPTION	DETECTION TYPE	SETTINGS (TYPICAL)	MANUFACTURER/MODEL	NOTES
\$P	WALL MOUNTED SWITCH/OCCUPANCY SENSOR LINE VOLTAGE - SINGLE RELAY	PASSIVE INFRARED	ON: MANUAL OFF: 30 MINUTE DELAY	WATTSTOPPER CS-50	1,2
\$PD	WALL MOUNTED SWITCH/OCCUPANCY SENSOR LINE VOLTAGE - SINGLE RELAY - WITH DIMMING	DUAL TECHNOLOGY	ON: MANUAL OFF: 30 MINUTE DELAY	WATTSTOPPER DW-311	1,2
\$TS	WALL MOUNTED DIGITAL TIMER SWITCH LINE VOLTAGE - SINGLE RELAY	NONE	ON: MANUAL OFF: 2 HOUR DELAY TIME SCROLL: UP WARNING FLASH/SOUND: ON/ON	WATTSTOPPER TS-400	1,2
\$L#	WALL MOUNTED LIGHTING SYSTEM ON/OFF SWITCH # INDICATES QUANTITY OF ZONES CONTROLLED AT EACH LOCATION	-	-	PER SUBMITTAL	1,2
\$D#	WALL MOUNTED LIGHTING SYSTEM DIMMER SWITCH # INDICATES QUANTITY OF ZONES CONTROLLED AT EACH LOCATION	-	-	PER SUBMITTAL	1,2
◇	CEILING MOUNTED LIGHTING SYSTEM OCCUPANCY SENSOR	DUAL TECHNOLOGY	-	PER SUBMITTAL	1,3,4



EIGHT POSITION JACK PIN/PAIR ASSIGNMENTS ANSI/TIA/EIA T568B
NOT TO SCALE

TELECOMMUNICATION DEVICE SCHEDULE	
SYMBOL	DESCRIPTION (NOTE 1)
▽#D #DA	WALL MOUNTED DATA OUTLET (#D) DATA CAT6 JACKS AS NOTED ON PLANS (#DA) DATA CAT6A JACKS AS NOTED ON PLANS
WAF #D #DA	WIRELESS ACCESS POINT DATA OUTLET (#D) DATA CAT6 JACKS AS NOTED ON PLANS (#DA) DATA CAT6A JACKS AS NOTED ON PLANS

NOTES:
1. ALL CABLING ROUTED DIRECTLY TO TELECOMMUNICATIONS ROOM UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO SPECIFICATIONS FOR FURTHER CABLING AND TERMINATION DETAILS.



- TELECOMMUNICATIONS INSTALLATION NOTES:
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE A.D.A.A.G. (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES)
 - CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, AND IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
 - BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
 - FLUSH MOUNT ALL TELECOMMUNICATION OUTLETS TO MATCH RECEPTACLE HEIGHTS, EXCEPT WHERE OTHERWISE NOTED. OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
 - CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION THIS CONTRACTOR SHALL ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
 - TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
 - ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.

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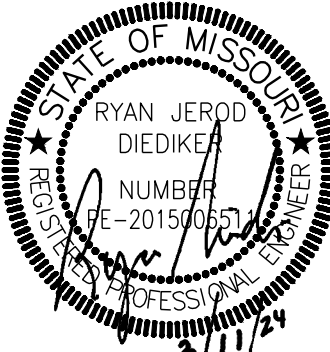
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E301

ELECTRICAL - SCHEDULES AND DETAILS

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CONSTRUCTION DOCUMENTS

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