RIVERTON ELEMENTARY REMODEL
CONSTRUCTION DOCUMENTS

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SALT LAKE CITY, UTAH 84115
801.486.4646

ELECTRICAL ENGINEERING:
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4225 LAKE PARK BOULEVARD, SUITE 275
WEST VALLEY CITY, UTAH 84120
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261112-0301
01/22/2024
LICENSED ARCHITECT

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OLIVER DALLIN BURT
STATE OF UTAH

01/22/2024

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No. 7100032
1/18/2024
STATE OF UTAH

RIVERTON
ELEMENTARY
REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

VICINITY MAP

PROJECT ADDRESS:
13150 S. 1830 W.
RIVERTON, UT 84065

DRAWING INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
G000	COVER SHEET
G001	DRAWING INDEX, SYMBOLS AND ABBREVIATIONS
G002	OVERALL CODE/SCOPE PLAN
G003	EXISTING FIRE WALLS - OVERALL FLOOR PLAN
G004	CODE SUMMARY AND DATA
5	
ARCHITECTURAL	
AS101	ARCHITECTURAL SITE PLAN
1	
ARCHITECTURAL	
AD101	OVERALL DEMOLITION PLAN - LEVEL ONE
AD101a	DEMOLITION PLAN - AREA A
AD101b	DEMOLITION PLAN - AREA B
AD101c	DEMOLITION PLAN - AREA C
AD131a	DEMOLITION RCP PLAN - AREA A
AD131b	DEMOLITION RCP PLAN - AREA B
AD131c	DEMOLITION RCP PLAN - AREA C
A101	OVERALL FLOOR PLAN - LEVEL ONE
A101a	FLOOR PLAN - LEVEL ONE - AREA A
A101b	FLOOR PLAN - LEVEL ONE - AREA B
A101c	FLOOR PLAN - LEVEL ONE - AREA C
A131	OVERALL REFLECTED CEILING PLAN - LEVEL ONE
A131a	REFLECTED CEILING PLAN - LEVEL ONE - AREA A
A131b	REFLECTED CEILING PLAN - LEVEL ONE - AREA B
A131c	REFLECTED CEILING PLAN - LEVEL ONE - AREA C
A141	ROOF PLAN
A201	EXTERIOR ELEVATIONS
A311	WALL SECTIONS
A312	WALL SECTIONS
A401	ENLARGED FLOOR PLANS, ROOF PLAN, WALL TYPES & SIGNAGE SCHEDULE
A421	ENLARGED FINISH PLANS
A501	INTERIOR ELEVATIONS
A502	INTERIOR ELEVATIONS, TOILET ROOM ACCESSORY SCHEDULE
A503	INTERIOR ELEVATIONS
A504	INTERIOR ELEVATIONS
A508	WALL GRAPHICS AND PORTAL LOCATIONS
A509	WALL GRAPHICS AND PORTAL DETAIL
A601	DOOR, WINDOW, FINISHES SCHEDULES
A801	PLAN AND CEILING DETAILS
A802	PLAN AND CEILING DETAILS
A803	DOOR AND WINDOWS & INTERIOR DETAILS
A804	MILLWORK DETAILS
A805	MILLWORK DETAILS
A806	ALTERNATE DETAILS
34	
STRUCTURAL	
SE001	GENERAL STRUCTURAL NOTES
SE002	GENERAL STRUCTURAL NOTES
SE003	LEGENDS & ABBREVIATIONS
SB101	PARTIAL FOOTING & FOUNDATION PLANS - AREA B
SB501	TYPICAL FOOTING & FOUNDATION DETAILS
SB502	TYPICAL FOOTING & FOUNDATION DETAILS
SB601	CONCRETE SCHEDULES
SB602	CONCRETE ANCHOR SCHEDULES
SF103	PARTIAL ROOF FRAMING PLANS
SF501	TYPICAL ROOF FRAMING DETAILS
SF502	FRAMING DETAILS
SF601	TYPICAL STEEL FRAMING SCHEDULES
SF602	STEEL DECK SCHEDULES
SF801	ALTERNATE PLANS & DETAILS
14	
MECHANICAL	
MD101A	MECHANICAL DEMOLITION PLAN - AREA A
MD101B	MECHANICAL DEMOLITION PLAN - AREA B
MD101C	MECHANICAL DEMOLITION PLAN - AREA C
M101A	MECHANICAL PLAN - AREA A
M101B	MECHANICAL PLAN - AREA B
M101C	MECHANICAL PLAN - AREA C
MPD101A	MECHANICAL PIPING DEMOLITION PLAN - AREA A
MPD101B	MECHANICAL PIPING DEMOLITION PLAN - AREA B
MPD101C	MECHANICAL PIPING DEMOLITION PLAN - AREA C
MP101A	MECHANICAL PIPING PLAN - AREA A
MP101B	MECHANICAL PIPING PLAN - AREA B
MP101C	MECHANICAL PIPING PLAN - AREA C
M401	ENLARGED MECHANICAL PLANS
M402	MECHANICAL KITCHEN PLAN - ALTERNATE #2
M403	ENLARGED MECHANICAL PLANS - ALTERNATE #3
M501	MECHANICAL SCHEDULES
M601	MECHANICAL DETAILS
M602	MECHANICAL DETAILS
18	
PLUMBING	
PD101A	PLUMBING DEMO PLAN - AREA A
PD101B	PLUMBING DEMO PLAN - AREA B
PD101C	PLUMBING DEMO PLAN - AREA C
P101A	PLUMBING PLAN - AREA A
P101B	PLUMBING PLAN - AREA B
P101C	PLUMBING PLAN - AREA C
P401	ENLARGED PLUMBING PLANS
P501	PLUMBING SCHEDULES & DETAILS
8	

SHEET NUMBER	SHEET NAME
FIRE PROTECTION	
FP101	FIRE PROTECTION PLAN
FP601	FIRE PROTECTION DETAILS
2	
ELECTRICAL	
E001	ELECTRICAL SYMBOLS AND NOTES
E002	SCHEDULES AND NOTES
ED101A	LEVEL 1 - DEMOLITION FLOOR PLAN - AREA A
ED101B	LEVEL 1 - DEMOLITION FLOOR PLAN - AREA B
ED101C	LEVEL 1 - DEMOLITION FLOOR PLAN - AREA C
E201A	LEVEL 1 - LIGHTING PLAN - AREA A
E201B	LEVEL 1 - LIGHTING PLAN - AREA B
E201C	LEVEL 1 - LIGHTING PLAN - AREA C
E203	TYPICAL CLASSROOM LIGHTING PLANS
E301A	LEVEL 1 ELECTRICAL PLAN - AREA A
E301B	LEVEL 1 ELECTRICAL PLAN - AREA B
E301C	LEVEL 1 ELECTRICAL PLAN - AREA C
E701	ELECTRICAL DIAGRAMS
E702	ELECTRICAL DIAGRAMS
TA301B	LEVEL 1 AUDIOVISUAL PLAN - AREA B
TA001	AUDIOVISUAL SYMBOLS, SCHEDULES AND NOTES
TA201A	LEVEL 1 AUDIOVISUAL RCP PLAN - AREA A
TA201B	LEVEL 1 AUDIOVISUAL RCP PLAN - AREA B
TA201C	LEVEL 1 AUDIOVISUAL RCP PLAN - AREA C
TA301A	LEVEL 1 AUDIOVISUAL PLAN - AREA A
TA301C	LEVEL 1 AUDIOVISUAL PLAN - AREA C
TA401	INTERCOM RCP PLAN
TA701	AUDIOVISUAL DIAGRAMS
23	
Grand total: 105	

ABBREVIATIONS

ABV	ABOVE
A.F.F.	ABOVE FINISH FLOOR
ADJ	ADJUSTABLE
ALUM	ALUMINUM
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AB	ANCHOR BOLT
<	ANGLE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL OR ARCHITECT
@	AT
B.P.	BASE PLATE
BRG	BEARING
BTWN	BETWEEN
BITUM	BITUMINOUS
BD	BOARD
B.O.	BOTTOM OF
BLDG	BUILDING
CLG	CEILING
CL	CENTER LINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
C.J.	CONTROL JOINT
COORD	COORDINATE
DEPT	DEPARTMENT
DTL	DETAIL
Ø	DIAMETER
DIA	DIAMETER
DBL	DOUBLE
DWGS	DRAWINGS
EA	EACH
EL	ELEVATION
ELEV	ELEVATION
EQ	EQUAL
EXIST	EXISTING
EXP	EXPANSION
E.J.	EXPANSION JOINT
EXT	EXTERIOR
FT	FEET OR FOOT
F.V.	FIELD VERIFY
FIN	FINISH
F.F.	FINISH FLOOR
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FLR	FLOOR
FD	FLOOR DRAIN
FTG	FOOTING
FDN	FOUNDATION
GA	GAGE/GAUGE
GAL	GALLON
GPM	GALLONS PER MINUTE
GALV	GALVANIZED
GND	GROUND
GYP BD	GYPSUM BOARD
GWB	GYPSUM WALL BOARD
HW	HARDWARE
HVAC	HEATING/VENTILATION/AIR CONDITIONING
HT	HEIGHT
H.M.	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HYD	HYDRANT
IN	INCHES OR INCH
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
LAV	LAVATORY
LT WT	LIGHT WEIGHT
MAINT	MAINTENANCE
MFR	MANUFACTURER
M.O.	MASONRY OPENING
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
#	NUMBER
NO.	NUMBER
O.C.	ON CENTER
OPP	OPPOSITE
O.D.	OUTSIDE DIAMETER
O.H.	OVERHEAD
OH DR	OVERHEAD DOOR
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
PNT	PAINTED OR PAINT
PTN	PARTITION
PERP	PERPENDICULAR
PLAM	PLASTIC LAMINATE
PL	PLATE
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAL FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
REINF	REINFORCED
REQ	REQUIRED
R.D.	ROOF DRAIN
RM	ROOM
R.O.	ROUGH OPENING
SCHED	SCHEDULE
SHT	SHEET
SIM	SIMILAR
STC	SOUND TRANSMISSION COEFFICIENT
SPEC	SPECIFICATION
STD	STANDARD
STRUCT	STRUCTURAL
SUSP	SUSPENDED
THRU	THROUGH
T.O.	TOP OF
T.O.A.	TOP OF ASPHALT
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOOTING
T.O.S.	TOP OF SLAB OR SIDEWALK
T.O.W.	TOP OF WALL
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VEN	VENEER
V.I.F.	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
W/	WITH
W/O	WITHOUT
WD	WOOD

NOTE:
ABBREVIATIONS FOR FINISHED MATERIALS ARE DESCRIBED IN THE FINISH LEGEND.

GRAPHIC SYMBOLS

- GRID LINES
- DETAIL SYMBOL — DETAIL NUMBER/ SHEET WHERE DETAIL IS DRAWN
- BUILDING SECTION SYMBOL — SECTION REFERENCE/ SHEET WHERE SECTION IS DRAWN
- WALL SECTION SYMBOL — SECTION REFERENCE/ SHEET WHERE SECTION IS DRAWN
- EXTERIOR ELEVATION SYMBOL — ELEVATION IDENTIFICATION SHEET WHERE ELEVATION IS DRAWN
- INTERIOR ELEVATION SYMBOL — ELEVATION IDENTIFICATION SHEET WHERE ELEVATION IS DRAWN
- ELEVATION CONTROL POINT OR DATUM POINT
- 100A — DOOR TAG — DOOR NUMBER
- W1 — WINDOW TAG — WINDOW OR STOREFRONT NUMBER
- NAME 101 — ROOM TAG — ROOM NAME, ROOM NUMBER
- 1 — REVISION TAG
- VIEW NAME — VIEW TITLE — VIEW NUMBER/ SHEET WHERE VIEW IS LOCATED, VIEW NAME/ VIEW SCALE

MATERIALS/LEGEND

- CONCRETE MASONRY UNIT
- FACE BRICK
- CONCRETE (POURED IN PLACE)
- GYPSUM BOARD OR SETTING BEDS
- INSULATION (BATT & BLANKET)
- INSULATION (RIGID/SEMI-RIGID)
- PLYWOOD
- CONTINUOUS ROUGH WOOD
- BLOCKING, ROUGH WOOD
- METAL (LARGE SCALE)
- GRAVEL
- EARTH
- COMPACTED FILL
- QUARRY/CERAMIC TILE
- FIREPROOFING
- WOOD

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JORDAN SCHOOL DISTRICT

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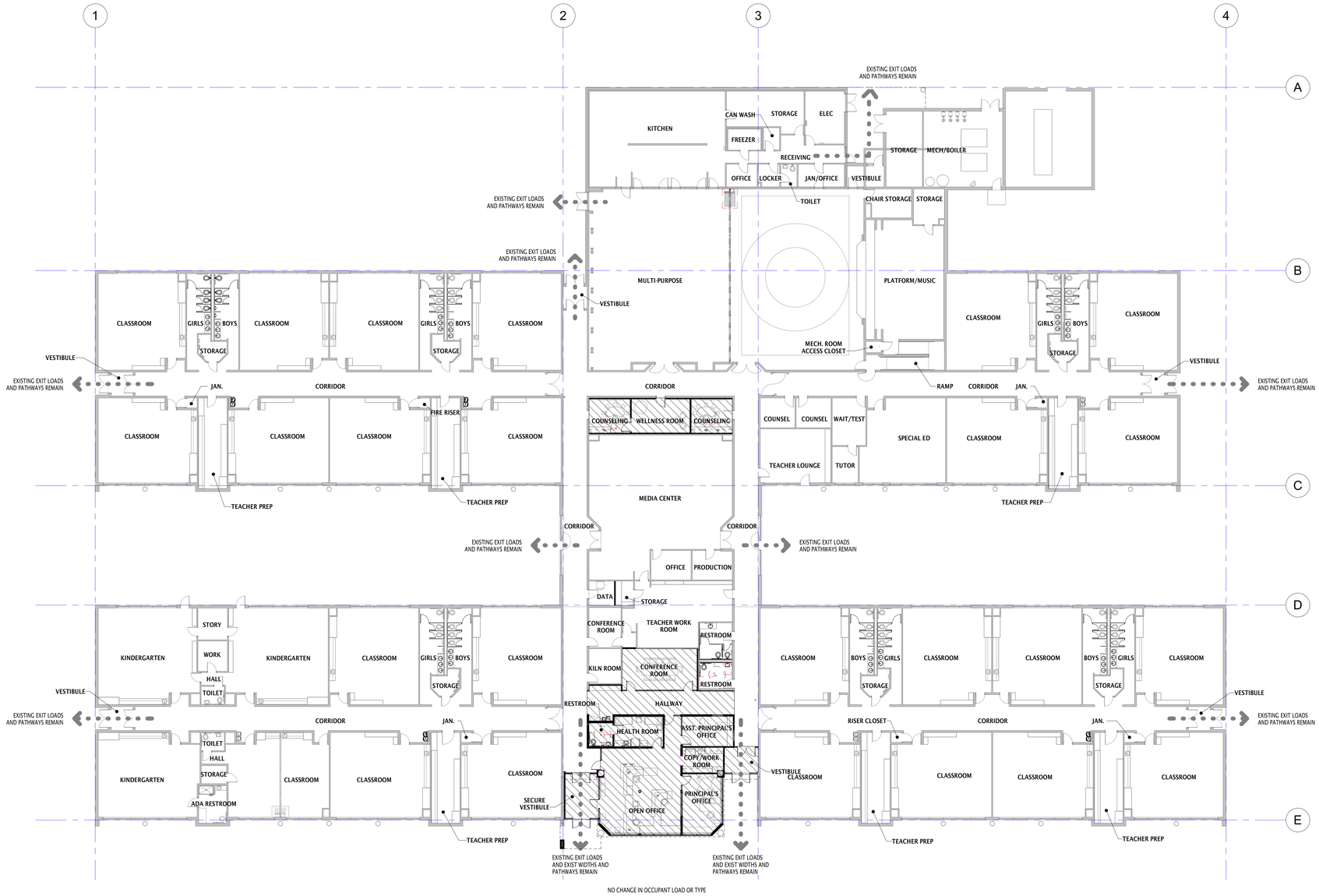
DRAWING INDEX, SYMBOLS AND ABBREVIATIONS

G001 REV



NO CHANGE IN OCCUPANT LOAD OR TYPE

1 G002 OVERALL LIFE SAFETY PLAN
1/16" = 1'-0"

0' 8' 16' 24' 32' 48'
GRAPHIC SCALE

CODE ANALYSIS

OCCUPANT LOAD:	NO CHANGE
PLUMBING FIXTURE COUNT:	NO CHANGE
OCCUPANCY GROUP(S)	NO CHANGE
TYPE OF CONSTRUCTION	NO CHANGE
FIRE SPRINKLERS	YES. SEE FP SHEETS FOR TYPE OF SYSTEM

RATED WALLS: EXISTING TO BE MAINTAINED. SEE ORIGINAL FLOOR PLAN ON SHEET C003. CONTRACTOR TO VERIFY AND MAINTAIN ALL EXISTING RATINGS. IF ANY WALL NOT SHOWN TO BE RATED IS DETERMINED TO BE RATED IN THE FIELD ALERT ARCHITECT IMMEDIATELY. PROVIDE FIRE PENETRATION SYSTEMS AS REQUIRED TO MAINTAIN RATINGS WHERE NEW OPENINGS ARE REQUIRED.

ONE HOUR RATED OCCUPANCY SEPARATION WALLS IN OFFICE AREA SPEARATED STORAGE ROOM FROM OTHER AREAS WHICH IS NO LONGER A CODE REQUIREMENT. ALL CORRIDOR WALLS IN THE ORIGINAL BUILDING WERE ONE HOUR RATED HOWEVER WITH CURRENT CODE THEY ARE NOT REQUIRED TO BE RATED. THEREFORE THE NEW OFFICE AND TEACHER WORK ROOM PERIMETER WALLS ARE NOT REQUIRED TO BE RATED. MAINTAIN ALL OTHER EXISTING RATED WALLS.

APPLICABLE CODES
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FUEL AND GAS CODE
2021 INTERNATIONAL PLUMBING CODE
2021 INTERNATIONAL FIRE CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2020 NATIONAL ELECTRICAL CODE
2010 ADA ACCESSIBILITY GUIDELINES - ICC A117.1

BUILDING ENVELOPE ENERGY SUMMARY:

ONLY LIMITED PORTION OF BUILDING ENVELOPE AT THE MAIN OFFICE IS BEING REPLACED. ORIGINAL ENVELOPE IN THIS LOCATION WAS ALL STOREFRONT AS IS NEW ENVELOPE.

PER IECC C503.3.2

THE ADDITION OF VERTICAL FENESTRATION THAT RESULTS IN A TOTAL BUILIDING FENESTRATION AREA LESS THAN OR EQUAL TO THAT SPECIFICED IN SECTION C402.4.1 SHALL COMPLY WITH SECTION C402.4.1. THE EXISTING BUILDING HAD A WINDOW TO WALL RATIO BELOW 30% THAT IS NOT INCREASED BY THE ADJUSTMENTS MADE IN THIS SCOPE. DAYLIGHTING CONTROLS ARE PROVIDED, SEE SPECIFICATIONS FOR FENESTRATION U, SHGC AND VT VALUES.

GENERAL NOTES

1. PROTECT EXISTING FLOOR FINISHES DURING CONSTRUCTION. JSD PLANS TO REPLACE ALL CARPETING THROUGHOUT THE SCHOOL DURING CONSTRUCTION OF THIS PROJECT. CONTRACTOR TO COORDINATE WITH JSD FOR THIS SCOPE.
2. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING FINISHES TO REMAIN AND SHALL PATCH, REPAIR AND REPLACE FINISHES AS NECESSARY TO RESTORE TO ORIGINAL CONDITION.
3. CONTRACTOR TO PROTECT ALL EXISTING MILLWORK TO REMAIN. COVER FULLY WITH PLASTIC SHEETING TO PROTECT MILLWORK AND ANY REMAINING ITEMS STORED IN/ON MILLWORK.

GENERAL SCOPE SUMMARY

1. REMOVE AND REPLACE EXISTING ACOUSTICAL PANEL GRID CEILINGS. REPLACE ALL DIFFUSERS AND LIGHTS INCLUDING EXTERIOR LIGHTS AND REMOVE AND REINSTALL ALL EQUIPMENT ON CEILINGS AS NOTED. REPLACE ALL SPRINKLER HEADS.
2. REMOVE AND REPLACE EXISTING WINDOW COVERINGS, VINYL FLOORING AND WINDOW SILLS WITH ROLLERSHADES, LVT FLOORING AND SOLID SURFACE SILLS IN ALL EXISTING CLASSROOMS
3. IN SINGLE OCCUPANCY RESTROOMS NEAR FRONT OFFICE REMOVE AND REPLACE ALL WALL TILE, COUNTERS, MIRRORS, TOILET PARTITIONS, WATER CLOSETS AND LAVATORY FIXTURES.
4. REMODEL OFFICE AREA AND CREATE SECURE VESTIBULE.
5. REMODEL WELLNESS ROOM AREA NEAR MULTIPURPOSE ROOM AS TWO OFFICES AND ONE WELLNESS ROOM.
6. INSTALL NEW WAYFINDING GRAPHIC ELEMENTS AT EACH CLASSROOM HALLWAY ENTRY AND MAIN OFFICE AREA.
7. REPLACE ALL DRINKING FOUNTAINS.
8. REROUTE DATA CABLING THROUGHOUT THE BUILDING TO NEW ENCLOSED CLOSET FOR DATA RACKS.
9. REPLACE FIRE ALARM DEVICES AND CO DETECTION DEVICES THROUGHOUT THE BUILDING. UPGRADE FIRE ALARM PANEL.
10. REPLACE AND REZONE HALLWAY SPEAKER SYSTEM
11. REPLACE CLASSROOM PROJECTORS AND UPGRADE AV SYSTEMS WITH AUDIO ENHANCEMENTS IN ALL CLASSROOMS
12. UPGRADE EXISTING FIRE RISER
13. SEAL GAPS AROUND PERIMETER OF BUILDING.

**SINGLE OCCUPANCY RESTROOMS IN AREA C HAVE ALREADY BEEN REMODELD AND ARE TO REMAIN. THERE IS NO SCOPE ASSOCIATED WITH THESE SPACES.

ALTERNATES

1. ALTERNATE NO. 1 - REPLACE OPERABLE (FOLDING) PANEL PARTITION AT MULTI-PURPOSE ROOM 112.
2. ALTERNATE NO. 2 - UPGRADE MAKE-UP AIR SYSTEM AT KITCHEN 124.
3. ALTERNATE NO. 3 - UPGRADE AUTOMATIC TEMPERATURE CONTROL (ATC) SYSTEM.
4. ALTERNATE NO. 4 - REPLACE PARTITIONS, COUNTERS, MIRRORS, SINKS, AND SINK FIXTURES AT GIRLS AND BOYS RESTROOMS.
5. ALTERNATE NO. 5 - REPLACE SKYLIGHTS THROUGHTOUT BUILDING.
6. SEE SPEECIFICATION SECTION 012300 "ALTERNATES"

DEFERRED SUBMITTALS

1. ACOUSTIC CEILINGS SEISMIC
2. FIRE ALARM SYSTEM
3. MEP SYSTEMS SEISMIC

LEVEL 2 ALTERATION AREA

LEVEL 2 ALTERATION AREA: 4,417 SQ. FT.
HATCH AREA INDICATES A LEVEL 2 ALTERATION (IEBC 603.1).
ALL OTHER AREAS ARE LEVEL 1 ALTERATION (IEBC 602.1).

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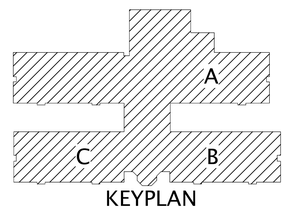


KEYPLAN

PROJECT NORTH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

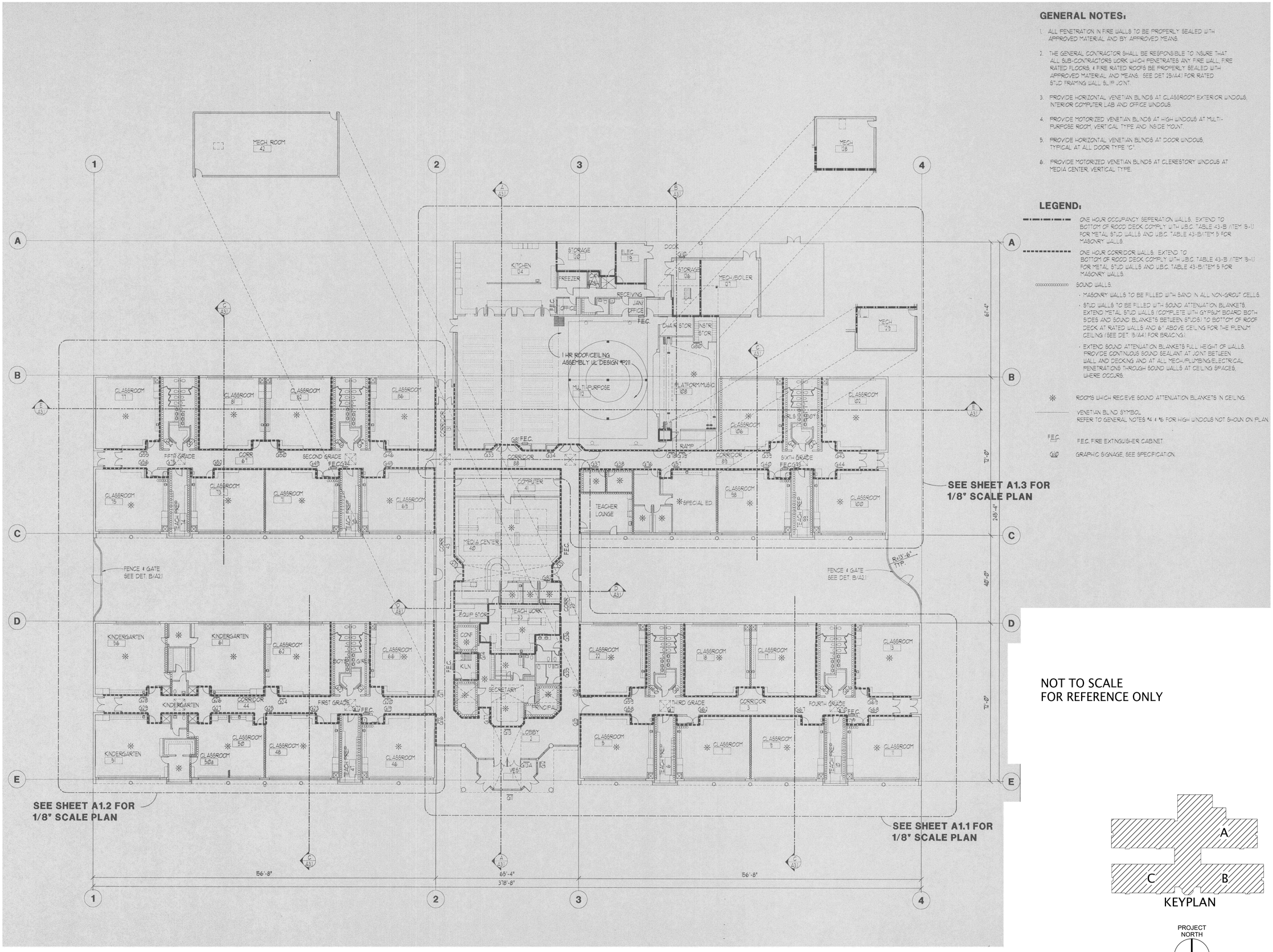
JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

OVERALL CODE/SCOPE PLAN

G002 REV



GENERAL NOTES:

1. ALL PENETRATION IN FIRE WALLS TO BE PROPERLY SEALED WITH APPROVED MATERIAL AND BY APPROVED MEANS.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL SUB-CONTRACTORS WORK WHICH PENETRATES ANY FIRE WALL, FIRE RATED FLOORS, & FIRE RATED ROOFS BE PROPERLY SEALED WITH APPROVED MATERIAL AND MEANS. SEE DET 25/A4.1 FOR RATED STUD FRAMING WALL SLIP JOINT.
3. PROVIDE HORIZONTAL VENETIAN BLINDS AT CLASSROOM EXTERIOR WINDOWS, INTERIOR COMPUTER LAB AND OFFICE WINDOWS.
4. PROVIDE MOTORIZED VENETIAN BLINDS AT HIGH WINDOWS AT MULTI-PURPOSE ROOM, VERTICAL TYPE AND INSIDE MOUNT.
5. PROVIDE HORIZONTAL VENETIAN BLINDS AT DOOR WINDOWS, TYPICAL AT ALL DOOR TYPE 'C'.
6. PROVIDE MOTORIZED VENETIAN BLINDS AT CLERESTORY WINDOWS AT MEDIA CENTER, VERTICAL TYPE.

LEGEND:

- ONE HOUR OCCUPANCY SEPERATION WALLS. EXTEND TO BOTTOM OF ROOD DECK COMPLY WITH U.B.C. TABLE 43-B /ITEM 15-U FOR METAL STUD WALLS AND U.B.C. TABLE 43-B/ITEM 5 FOR MASONRY WALLS.
- ONE HOUR CORRIDOR WALLS. EXTEND TO BOTTOM OF ROOD DECK COMPLY WITH U.B.C. TABLE 43-B /ITEM 15-U FOR METAL STUD WALLS AND U.B.C. TABLE 43-B/ITEM 5 FOR MASONRY WALLS.
- SOUND WALLS.
  - MASONRY WALLS TO BE FILLED WITH SAND IN ALL NON-GROUT CELLS.
  - STUD WALLS TO BE FILLED WITH SOUND ATTENUATION BLANKETS. EXTEND METAL STUD WALLS (COMPLETE WITH GYPSUM BOARD BOTH SIDES AND SOUND BLANKETS BETWEEN STUDS) TO BOTTOM OF ROOF DECK AT RATED WALLS AND 6" ABOVE CEILING FOR THE PLENUM CEILING (SEE DET. 15/A4.1 FOR BRACING)
  - EXTEND SOUND ATTENUATION BLANKETS FULL HEIGHT OF WALLS. PROVIDE CONTINUOUS SOUND SEALANT AT JOINT BETWEEN WALL AND DECKING AND AT ALL MECH/PLUMBING/ELECTRICAL PENETRATIONS THROUGH SOUND WALLS AT CEILING SPACES, WHERE OCCURS.
- ✳ ROOMS WHICH RECIEVE SOUND ATTENUATION BLANKETS IN CEILING.
- VENETIAN BLIND SYMBOL REFER TO GENERAL NOTES #4 & #6 FOR HIGH WINDOWS NOT SHOWN ON PLAN.
- F.E.C. F.E.C. FIRE EXTINGUISHER CABINET
- G40 GRAPHIC SIGNAGE, SEE SPECIFICATION

NOT TO SCALE
FOR REFERENCE ONLY

KEYPLAN

PROJECT NORTH

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EXISTING FIRE WALLS - OVERALL FLOOR PLAN

G003 REV

CODE REVIEW

Project: Riverton Elementary School Remodel
Address: 13150 South 1830 West
Riverton, UT 84065
Date: 1/11/2024
Designer: Clio Rayner, AIA (GSBS Architects)
Signature:

Construction Type: IIB
Occupancy and Use Group: E (No change in occupancy)
Work Area: 60,531 sf (ceilings and lights) + 472 sf (addition)
Automatic Fire Sprinklers: Yes
Project Type: Alteration

Section #	Description	Requirement	Provided	Drawings / Specs
2018 IEBC CODE - WORK AREA METHOD				
301.3	Alteration, addition or change of occupancy	The alteration, addition or change of occupancy of all existing builings shall comply with one of the methods listed in Section 301.3.1, 301.3.2 or 301.3.3 as selected by the applicant. Sections 301.3.1 through 301.3.3 shall not be applied in combination with each other.	Compliant with 301.3.2 Work area compliance method.	G002
3.01.3.2	Work area compliance method	Alterations, additions and changes of occupancy complying with the applicable requirements of Chapter 6 through 12 of this code shall be considered in compliance with the provisions of this code.	Compliant with Chapter 6 through 12	G002
305.7	Alterations affecting an area containing a primary function	Where an alteration affects the accessiblity to, or contains an area of primary function, the route to the primary function area shall be accessible. The accessible rout to the primary function area shall include toilet facilities and drinking fountains serving the area of primary function.	Compliant = ADA Checklist.	G002
601.1.1	Compliance with other alternatives	Alterations, additions and changes of occupancy to existing structures shall comply with the provisions of Chapters 7 through 12 or with one of the alternatives provided in Section 301.3.	Compliant with Chapter 7 through 12	- - -
601.2	Work area	The work area, as defined in Chapter 2, shall be identified on the construction documents.	Compliant	G002
602.1 602.2	Alterations - Level 1 Scope & Application	Level 1 alterations include the removal and replacement or the covering of existing materials, elements, equipment, or fixtures using new materials, elements, equipment, or fixtures that serve the same purpose. Level 1 alterations shall comply with the provisions of Chapter 7	Compliant with Chapter 7	- - -
603.1 603.2	Alterations - Level 2 Scope & Application	Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration of extension of any system, or the installation of any additional equipment. Level 2 alterations shall comply with the provisions of Chapter 7 for Level 1 alterations as well as the provisions of Chapter 8.	Compliant with Chapter 7 and Chapter 8	- - -
604 604.1	Alterations - Level 3 Scope	Level 3 alterations apply where the work area exceeds 50 percent of the building area.	Not Applicable	- - -
605.1	Change of Occupancy	Change of occupancy provisions apply where the activity is classified as a change of occupancy as defined in Chapter 2.	Not Applicable Work Area remains (E) Education	G002
701.2	Conformance	An existing building or portion thereof shall not be altered such that the building becomes less safe than its existing condition.	Compliant, none of the work will make the building less safe.	- - -
702.1 702.2 702.3	Interior Finishes Interior floor finish Interior trim	Newly installed interior wall and ceiling finishes shall comply with Chapter 8 of the International Building Code. Floor finish material, shall comply with Section 804 of IBC. Interior trim material shall comply with Section 806 of IBC.	Compliant with Chapter 8 of IBC Compliant with section 804 of IBC Compliant with section 806 of IBC	G001, A401, A402, A801. DIVISION 9 SPEC SECTIONS
703 703.1	Fire protection	Alteratons shall be done in a manner that maintains the level of fire protection provided.	Compliant, no change to existing fire protection. Added and reconfigure fire protection in area of remodel only.	G101. SPEC SECTIONS: 210000
704 704.1	Means of egress	Alterations shall be done in a manner that maintains the level of protection provided for the means of egress	Compliant. No change in existing exiting.	G002
801.3	Compliance	New construction elements, components, systems, and spaces shall comply with the requirements of the IBC.	Compliant with IBC	G002
802.4	Interior Finishes	The interior finishes of walls and ceilings in exits and corridors in any work area shall comply with the requirements of the IBC	Compliant with Chapter 8 of IBC	A401, A402. DIVISION 9 SPEC SECTIONS
802.5	Guards	Every portion of a floor that is more than 30 in above the floor or grade below . . .	Not Applicable, none in work area	- - -
802.6	Fire -resistance ratings	If a new automatic sprinkler system has been added. Fire-resistance ratings of building elements need to be reviewed.	Compliant, There is an existing automatic fire sprinkler system. No existing rated walls, floors, ceilings or other construction is being altered.	- - -
803.2	Automatic sprinkler system	In accordance with IBC	Compliant	SPEC SECTION: 210000
803.4	Fire alarm and detection		Compliant	E001-TA701
805.2	Means of egress	Exception #2 = Means of egress complying with the requirements of the building code under which the building was constructed shall be compliant means of egress if, in the opinion of the code official, they do not constitute a disctinct hazard to life.	Compliant Excepetion #2	- - -
805.6	Dead end corridors	Exception #2 = In other than Group A and H occupancies, the maximum length of an existing dead-end corridor shaff be 50 ft in bldgs with automatic fire alarm system. Exception #3 = In other than Group A and H occupancies, the maximum length of an existing dead-end corridor shaff be 70 ft in bldgs with automatic sprinker system.	Compliant per both exception #2 and #3	G002
805.7 805.8	Means of egress lighting Exit Signs	Lighting and exit signs in accordance with IBC	Compliant	E201A-E201C
805.9	Handrails	- - -	Not Applicable, none in work area	- - -
806	Structural	Any existing gravity load carrying structural element for which an alteration causes an increase design dead, live, or snow load, including snow drift effects, of more than 5% shall be replaced or altered as needed to carry the gravity loads required by the IBC for new structures.	Compliant	SB101B-SF602
807	Electrical	Newly installed electrical equipment and wiring relating to work done in any work area shall comply with all applicable requirements of NFPA 70.	Compliant	E001-TA701
808 809	Mechanical Plumbing	Reconfigured spaces intended for occupancy and spaces converted to habitable or occupiable space in any work area shall be provided with natural or machanical ventilation in accordance with the IMC	Compliant	MPD101A-P501

810 810.1	Energy Conservation	Level 2 alterations shall conform to the energy requirements of the International Energy Conservation Code as they relate to new construction only.	Compliant = IECC Prescriptive Compliance document	SEE MECHANICAL AND ELECTRICAL COMCHECK REPORTS
2018 IBC CODE				
400	Chapter 4	Special detailed requirements	Not Applicable	
500	Chapter 5	General building heights and areas	Compliant, no change to existing building	- - -
600	Chapter 6	Types of construction	Compliant, no change to existing building	G002
720	Insulating materials	Thermal/sound insulating materials, flame spread index of <25 and smoke developed index of <450	Compliant	SPEC SECTION: 072100
803	Wall and ceiling finishes	Interior wall and ceiling finishes to comply w/ASTM E84	Compliant; table 803.13, Group B = Class C for rooms	A401, A402 DIVISION 9 SPEC SECTIONS
804	Interior floor finish	Interior floor finishes to comply w/NFPA 253	Compliant	A401, A402 DIVISION 9 SPEC SECTIONS
805	Combustible materials in types 1 & 2 construction	Combustible materials installed on or embeded in floors of buildings.	Compliant, no combustible materials will be use on or embeded in floors	- - -
806	Decorative materials and trim	Decorative materials and trim to comply w/NFPA 289	Compliant	A401, A402 DIVISION 9 SPEC SECTIONS
808	Acoustical ceiling systems	Acoustical ceiling systemss to comply w/ASTM C635 and C636	Compliant	A131A, A131B, A131C. SPEC SECTION 095113
1004	Occupant Loads	As paths of egress include intervening spaces, cumulative loads shall apply - floor area/load factor (table 1004.5)	Compliant Previous use and current use are the same (Education) so there is no change in occupant load.	G002
1006.2.1	Egress	(2) Exits required when cumulative loads and/or distance exceed table 1006.2.1 Occupant Load/Distance - Common Path of Travel	Compliant	G002
1009.1	Accessible Means of Egress	Accessible means of egress required at least 1 exit	Compliant. All exitis are accessible	G002
1010.1.1	Size of Doors	Minimum clear width of 32" and height of 80"	Compliant	G002
1010.1.2	Door Swing	Egress doors to be side hinged, exception 9 allows sliding	Compliant	G002
1010.1.3	Door Operating Force	Operating force not to exceed 5 lb (egress), 15 lb (others)	Compliant	
1010.1.7	Thresholds	Thresholds not to exceed 3/4" total, 1/4" at ea/transition	Compliant	A803
1010.1.9	Door Operation	Unless permitted, doors to be readily operable for egress	Compliant	SPEC. SECTION 87100
1010.1.10	Panic and Fire Exit Hardware	spaces of occupant load <50 require panic/fire devices	Compliant	SPEC. SECTION 87100
1013.1	Exit Sign locations	Readily visible from any direction of travel	Compliant	E001-TA701
1013.4	Raised Character/Braille Exit Signs	Provide raised characters compliant w/ ICC A117.1	Compliant	A803
1013.5	Internally Illuminated Exit Signs	Must be listed/labeled per UL924	Compliant	SPEC. SECTION 265100
1016.2	Egress Through Intervening Spaces	Egress allowed through intervening area when such areas serve as an accessory to an adjoining space.	Compliant	G002
1017	Exit Access Travel Distance	Exit access travel distance shall not exceed the values given in Table 1017.2	Compliant Table 1017.2 = 300' (E, Sprinkled)	G002
1020.1	Corridor Construction	Corridors shall be fire-resistance rated in accordance with Table 1020.1	Compliant Table 1020.1 = Corridors required to be 0hrs (E, Sprinkled)	- - -
1020.2	Corridor width and capacity	Minimum width per Table 1020.2	Compliant Table 1020.2 = Width min is 44" (Any facility not listed in the table)	A401
1020.5.1	Corridor ceilings	Use of space above corridor ceiling a return air plenum is permited for one or more of the the following conditions.	Compliant #1 = The corridor is not required to be of fire-resistance rated construction.	- - -
1024	Exit Passageways	Exit passageways to comply with requirements.	Existing passageways maintained, not part of scope of work, see IEBC 805.1	G002
1028	Exit Discharge	Exit discharges to comply with requirements.	Exit discharges maintained, not part of scope of work, see IEBC 805.1	G002
1103.2.2	Accessibility - Employee Work Areas	Employee work areas need only comply w/907.5.2.3.1 (audible alarms), 1009 (accessible egress) and 1104.3.1	Compliant	A401
1104.1	Accessible Route - Site Arrival	Minimum (1) accessible route within the site	Compliant = Maintains existing	G001
1104.5	Location	Accessible routes to coincide with general circulation path	Compliant = Maintains existing	G001
1105.1	Accessible Entrances	Min. 60% of all public entrances to be accessible.	Compliant = Maintains existing	G001
1109.2	Toilet Facilities	Accessible toilet facility	Compliant = ADA Checklist	1/A401
1109.5	Drinking Fountains	Accessible drinking fountains	Compliant = ADA Checklist	1/A401
1109.11	Seating at Tables, Counters, Surfaces	Min. 5% seating elements shall be accessible	Compliant = ADA Checklist	1/A401
1109.13	Controls, Mechanisms, Hardware	Controls intended for use by occupant to comply	Compliant	Mech and Elec Drawings
1111.2	Directional Signage	Indicating route to nearest accessible element to be provided	Compliant	Elec Drawings
Chapter 12	Interior Environment	Ventilation, Temperature Control, Lighting Requirements	Compliant	MEP Drawings
Chapter 13	Energy Efficiency	Compliance with IECC 2018	Compliant = IECC Prescriptive Compliance document	- - -

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STATE OF UTAH
VALERIE W. NAGASAWA
261112-0301
01/22/2024
LICENSED ARCHITECT

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

CODE SUMMARY AND DATA

G004 REV

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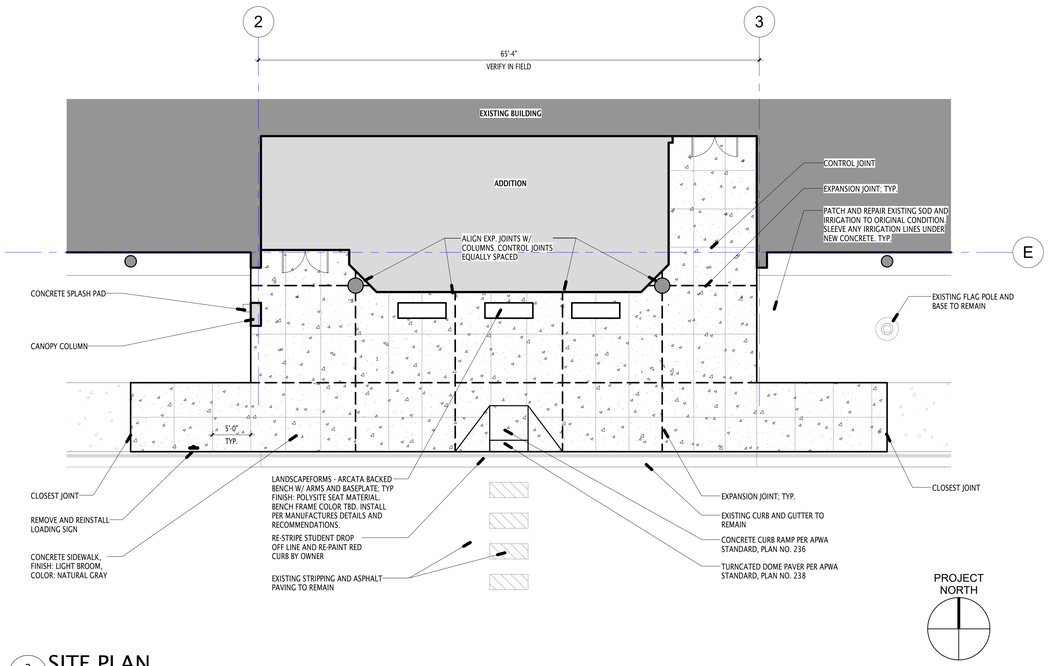
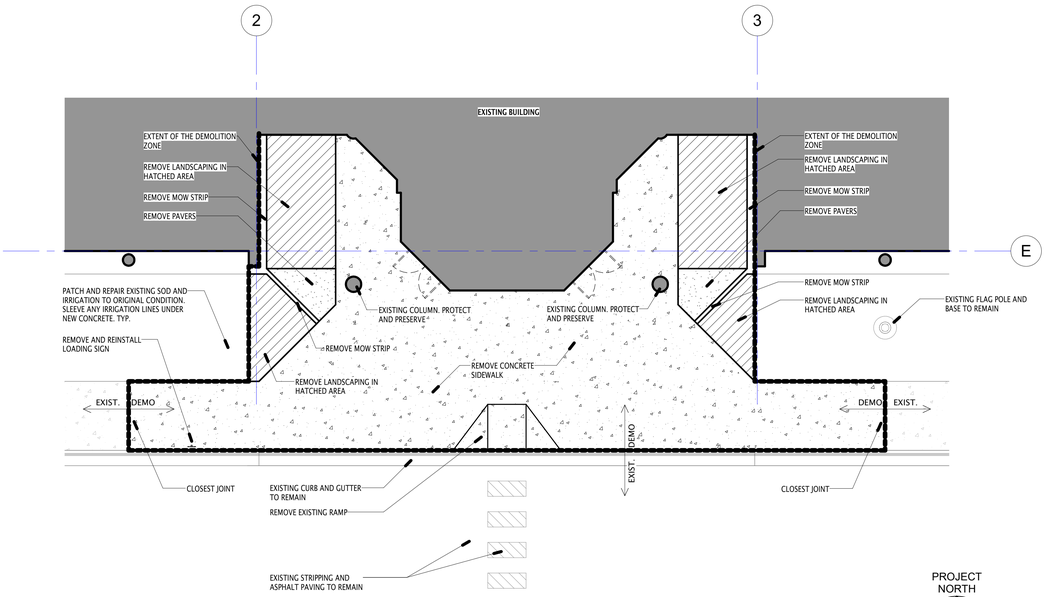


2 AS101 SITE PLAN
1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE



1 AS101 DEMO SITE PLAN
1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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JORDAN SCHOOL DISTRICT

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ARCHITECTURAL SITE PLAN

AS101 REV

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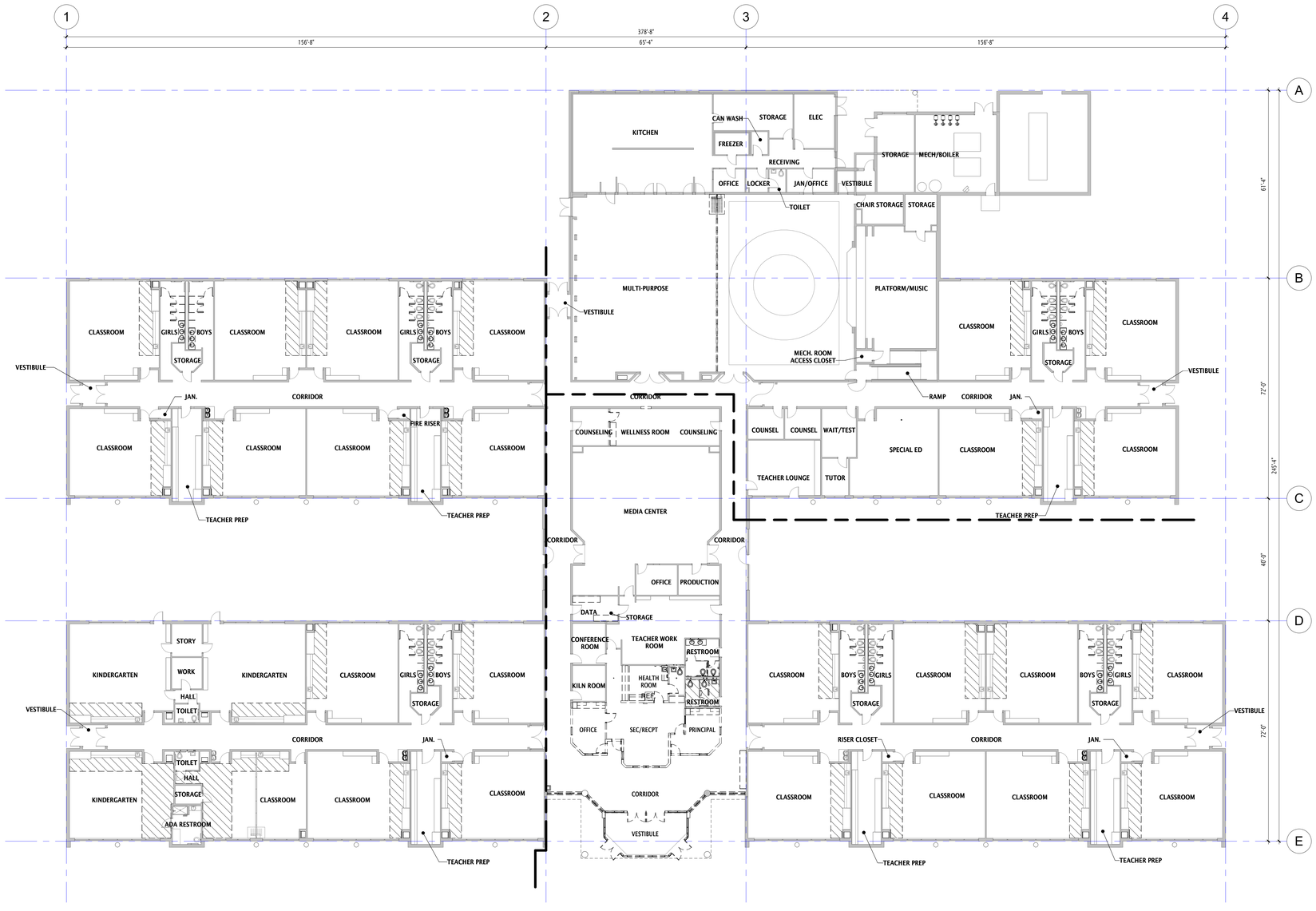
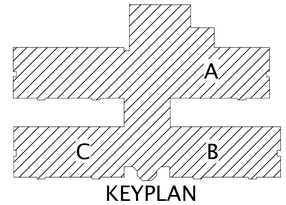


1 AD101 OVERALL DEMOLITION PLAN - LEVEL ONE
1/16" = 1'-0"

0' 8' 16' 24' 32' 48'
GRAPHIC SCALE



KEYPLAN

PROJECT NORTH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

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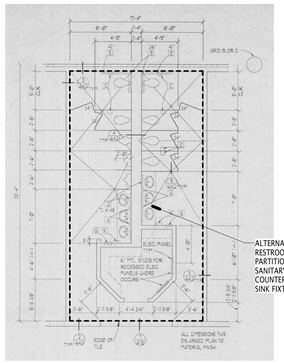
OVERALL DEMOLITION PLAN - LEVEL ONE

AD101 REV

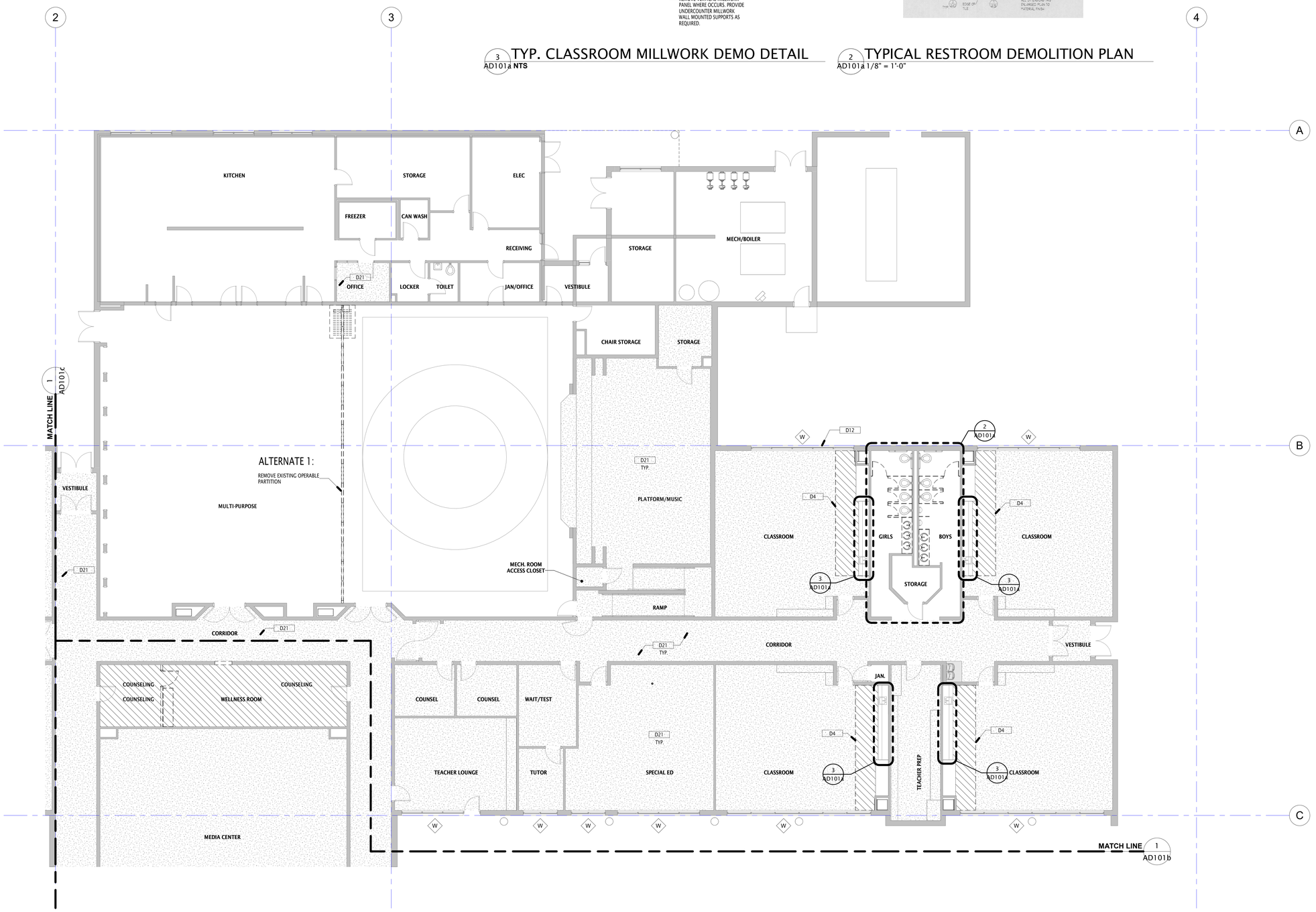
REMOVE VERTICAL MILLWORK PANEL WHERE OCCURS. PROVIDE UNDERCOUNTER MILLWORK WALL MOUNTED SUPPORTS AS REQUIRED.

3 AD101a **TYP. CLASSROOM MILLWORK DEMO DETAIL**
NTS



ALTERNATE NO. 4 - TYP. AT STUDENT RESTROOMS REMOVE ALL TOILET PARTITIONS, SOAP DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, COUNTERTOPS, MIRRORS, SINK, AND SINK FIXTURES.

2 AD101a **TYPICAL RESTROOM DEMOLITION PLAN**
1/8" = 1'-0"



1 AD101a **DEMOLITION PLAN - LEVEL ONE - AREA A**
1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

DEMOLITION LEGEND

- EXISTING BUILDING ELEMENTS TO BE REMOVED
- EXISTING BUILDING ELEMENTS TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED

DEFINITIONS

A. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.
B. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, AND STORE.
C. REMOVE AND REINSTALL: DETACH ITEMS FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, PREPARE FOR REUSE, AND REINSTALL WHERE INDICATED.
D. EXISTING TO REMAIN: LEAVE EXISTING ITEMS THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE SALVAGED OR REINSTALLED.
E. DISMANTLE: TO REMOVE BY DISASSEMBLING OR DETACHING AN ITEM FROM A SURFACE, USING GENTLE METHODS AND EQUIPMENT TO PREVENT DAMAGE TO THE ITEM AND SURFACES; DISPOSING OF ITEMS UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.

GENERAL NOTES

1. PROTECT EXISTING FLOOR FINISHES DURING CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING FINISHES TO REMAIN AND SHALL PATCH, REPAIR AND REPLACE FINISHES AS NECESSARY TO RESTORE TO ORIGINAL CONDITION.
3. CONTRACTOR TO PROTECT ALL EXISTING MILLWORK TO REMAIN. COVER FULLY WITH PLASTIC SHEETING TO PROTECT MILLWORK AND ANY REMAINING ITEMS STORED IN/ON MILLWORK.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING STRUCTURAL AND FIREPROOFING INTEGRITY OF THE ENTIRE BUILDING EXCEPT WHERE OTHERWISE NOTED.
2. UPON DISCOVERY OF HAZARDOUS MATERIALS ENCOUNTERED DURING CONSTRUCTION, NOTIFY THE DESIGNER AND OWNER IMMEDIATELY AND AWAIT FURTHER INSTRUCTIONS. THE WORK AREA SHALL BE COMPLETELY SEALED OFF DURING ABATEMENT.
3. WHERE THE TERM "REMOVE" IS USED, THE CONTRACTOR SHALL REMOVE FROM THE SITE AND LEGALLY DISPOSE OF.
4. WHERE THE TERM "SALVAGE" IS USED, THE CONTRACTOR SHALL REUSE THE EQUIPMENT ON THIS PROJECT OR RETURN TO THE OWNER.
5. WHERE THE TERM "REMOVE AND REINSTALL" IS USED, THE CONTRACTOR IS TO DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE THEM FOR REUSE, AND REINSTALL THEM WHERE INDICATED.
6. WHERE THE TERM "EXISTING TO REMAIN" IS USED, THE EXISTING ITEMS OF CONSTRUCTION ARE NOT TO BE REMOVED.
7. SEE ENGINEERING DRAWINGS AND SPECIFICATIONS FOR THE REMOVAL OF SPECIFIC STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE ALARM SYSTEMS.
8. REINSTALLED EQUIPMENT AND DEVICES ARE TO BE CLEANED OF ALL FOREIGN MATERIAL. REPLACE EQUIPMENT OR DEVICES WHICH ARE DEFECTIVE OR DAMAGED DURING RELOCATION.
9. WHEREVER MECHANICAL, ELECTRICAL, AND PLUMBING DEVICES ARE REMOVED, ALL PIPING AND/OR CONDUITS THAT ARE ABANDONED SHALL BE CAPPED OFF BELOW THE FLOOR, INSIDE THE WALLS, OR ABOVE THE CEILINGS EXCEPT WHERE NOTED OTHERWISE. MECHANICAL/ELECTRICAL CONTRACTOR TO REMOVE ALL UNUSED WIRING TO PANEL BOXES. PATCH AND REPAIR FINISHES TO MATCH SURROUNDING FINISHES. BLANK COVER PLATES OVER EXISTING BOXES ARE NOT ACCEPTABLE, UNLESS OTHERWISE NOTED.
10. REMOVE FINISH WALL BASE IN AREAS WHERE FLOORING IS BEING REMOVED.
11. FLOORS AND WALLS: WHERE WALLS OR PARTITIONS THAT ARE REMOVED EXTEND ONE FINISHED AREA INTO ANOTHER, PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE NEW SPACE TO PROVIDE AN EVEN SURFACE OF UNIFORM FINISH, COLOR, TEXTURE, AND APPEARANCE.
12. DEMO CARPETING THROUGHOUT THE BUILDING AND ALL FINISH FLOORING AS REQUIRED. REFERENCE FLOORING LAYOUT
13. DEMO ALL CEILINGS AS REQUIRED FOR NEW WORK. REFERENCE CEILING PLANS.
14. DEMO DOORS W/ CARE FOR RE-USE. VERIFY W/ BLDG. OWNER.

DEMOLITION NOTES

#	NOTE
D4	**REMOVE FLOOR FINISH.**
D12	**FOR ALL WINDOWS LABELED "W", REMOVE EXISTING WINDOW COVERING AND SILL. EXISTING WINDOW TO REMAIN. SEE DETAILS ON SHEET A311.**
D21	**REMOVE EXISTING CARPET, TYP.**

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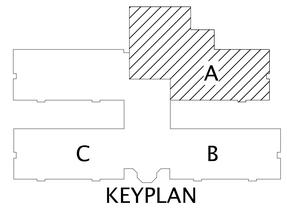

KEYPLAN

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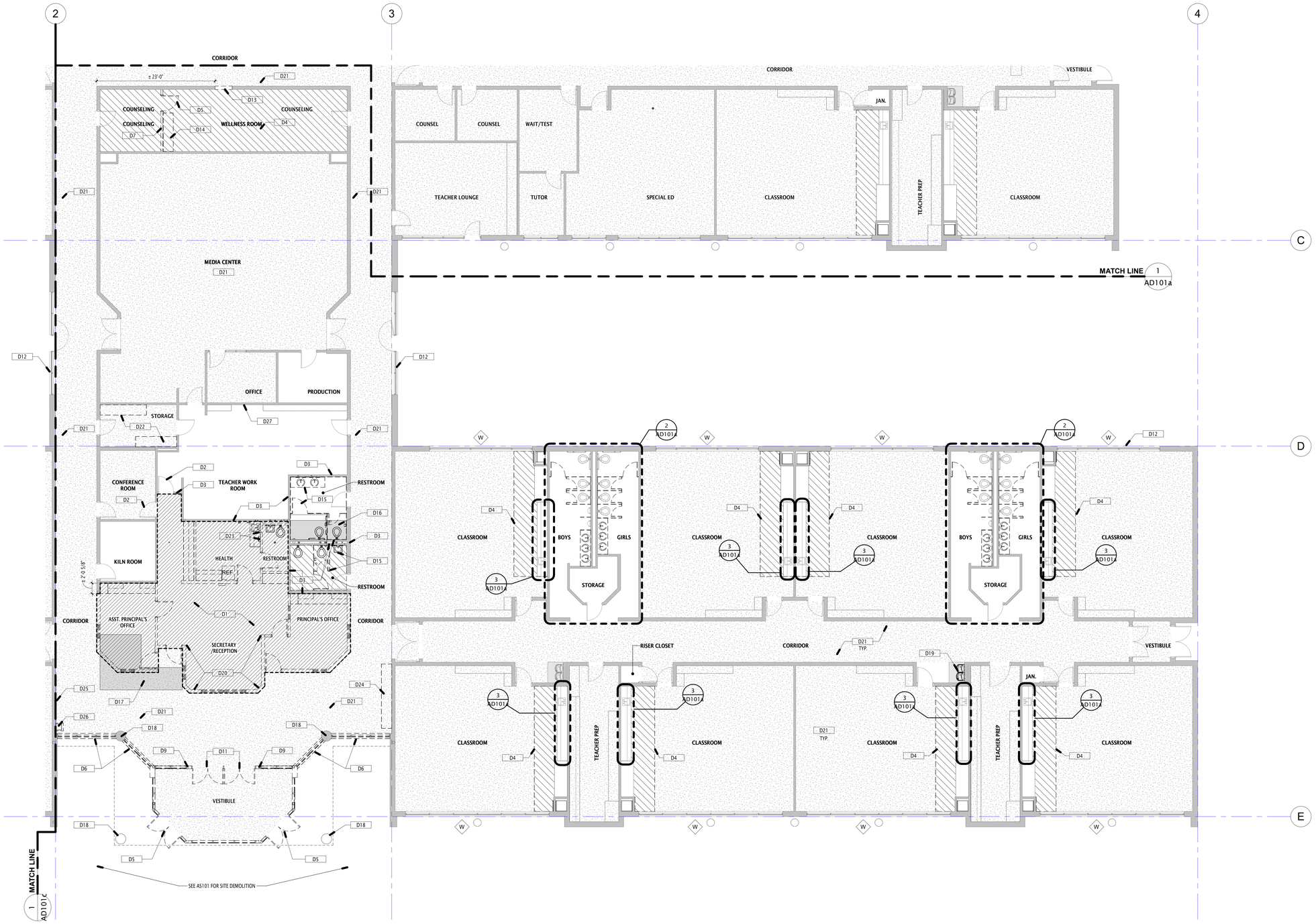
DEMOLITION PLAN - AREA A

AD101a REV



1 DEMOLITION PLAN - LEVEL ONE - AREA B
AD101b 1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

DEMOLITION LEGEND

- EXISTING BUILDING ELEMENTS TO BE REMOVED
- EXISTING BUILDING ELEMENTS TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED

DEFINITIONS

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GENERAL NOTES

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3. CONTRACTOR TO PROTECT ALL EXISTING MILLWORK TO REMAIN. COVER FULLY WITH PLASTIC SHEETING TO PROTECT MILLWORK AND ANY REMAINING ITEMS STORED IN/ON MILLWORK.

DEMOLITION NOTES

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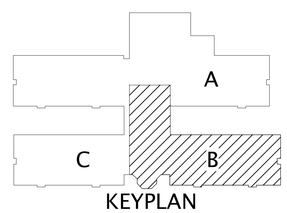
12. DEMO CARPETING THROUGHOUT THE BUILDING AND ALL FINISH FLOORING AS REQUIRED. REFERENCE FLOORING LAYOUT
13. DEMO ALL CEILINGS AS REQUIRED FOR NEW WORK. REFERENCE CEILING PLANS.
14. DEMO DOORS W/ CARE FOR RE-USE. VERIFY W/ BLDG. OWNER.

DEMOLITION NOTES

#	NOTE
D1	REMOVE ALL WALLS, DOORS, WINDOWS, FRAMES, MILLWORK, CABINETS, COUNTERS, AND CARPET.
D2	DOOR TO REMAIN.
D3	WALL TO REMAIN.
D4	REMOVE FLOOR FINISH.
D5	REMOVE DOOR, FRAME AND HARDWARE.
D6	REMOVE ENTIRE EXTERIOR WINDOW WALL.
D7	REMOVE WALL
D9	EXISTING COLUMN TO REMAIN
D11	REMOVE DOOR, FRAME AND HARDWARE. WALL ABOVE DOOR TO REMAIN.
D12	FOR ALL WINDOWS LABELED "W", REMOVE EXISTING WINDOW COVERING AND SILL. EXISTING WINDOW TO REMAIN. SEE DETAILS ON SHEET A311.
D13	SAWCUT OPENING AT CLOSET MASONRY JOINT COORDINATE ROUGH OPENING SIZE WITH DOOR FRAME INSTALLATION REQUIREMENTS
D14	REMOVE EXISTING COUNTERTOPS, MILLWORK
D15	REMOVE ALL EXISTING PARTITIONS, TILE WALLS, TILE BACKER SUBSTRATE, AND TILE FLOORS, COUNTERS, AND FIXTURES IN STAFF RESTROOMS.
D16	SAWCUT OR REMOVE CONCRETE FOR NEW PLUMBING
D17	REMOVE CONCRETE SLAB AS NEEDED FOR NEW PLUMBING AND 2" RECESS SLAB
D18	PROTECT ALL EXISTING COLUMNS TYPICAL
D19	REMOVE DRINKING FOUNTAIN
D20	REMOVE PORTION OF CMU WALL THAT THE EXISTING PIPING COULD REMAIN IN PLACE WITHOUT NEEDING TO BE RE-SUPPORTED (FILED VERIFY) RE: STRUCTURAL DRAWING
D21	REMOVE EXISTING CARPET, TYP.
D22	REMOVE MILLWORK
D23	SALVAGED AND RELOCATED SOAP AND PAPER DISPENSER TO NEW HEALTH ROOM
D24	SALVAGED WOOD DISPLAY CASE AND RETURN TO THE OWNER.
D25	REMOVE BULLETIN.
D26	SALVAGE AND REINSTALL AED CABINETS. SEE NEW FLOOR PLAN FOR LOCATION.
D27	PATCH AND REPAIR TO THE GYP. BD WALL WHERE THE EXISTING DATA RACK IS BEING REMOVE AND RELOCATED.



KEYPLAN

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01/22/2024
LICENSED ARCHITECT

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
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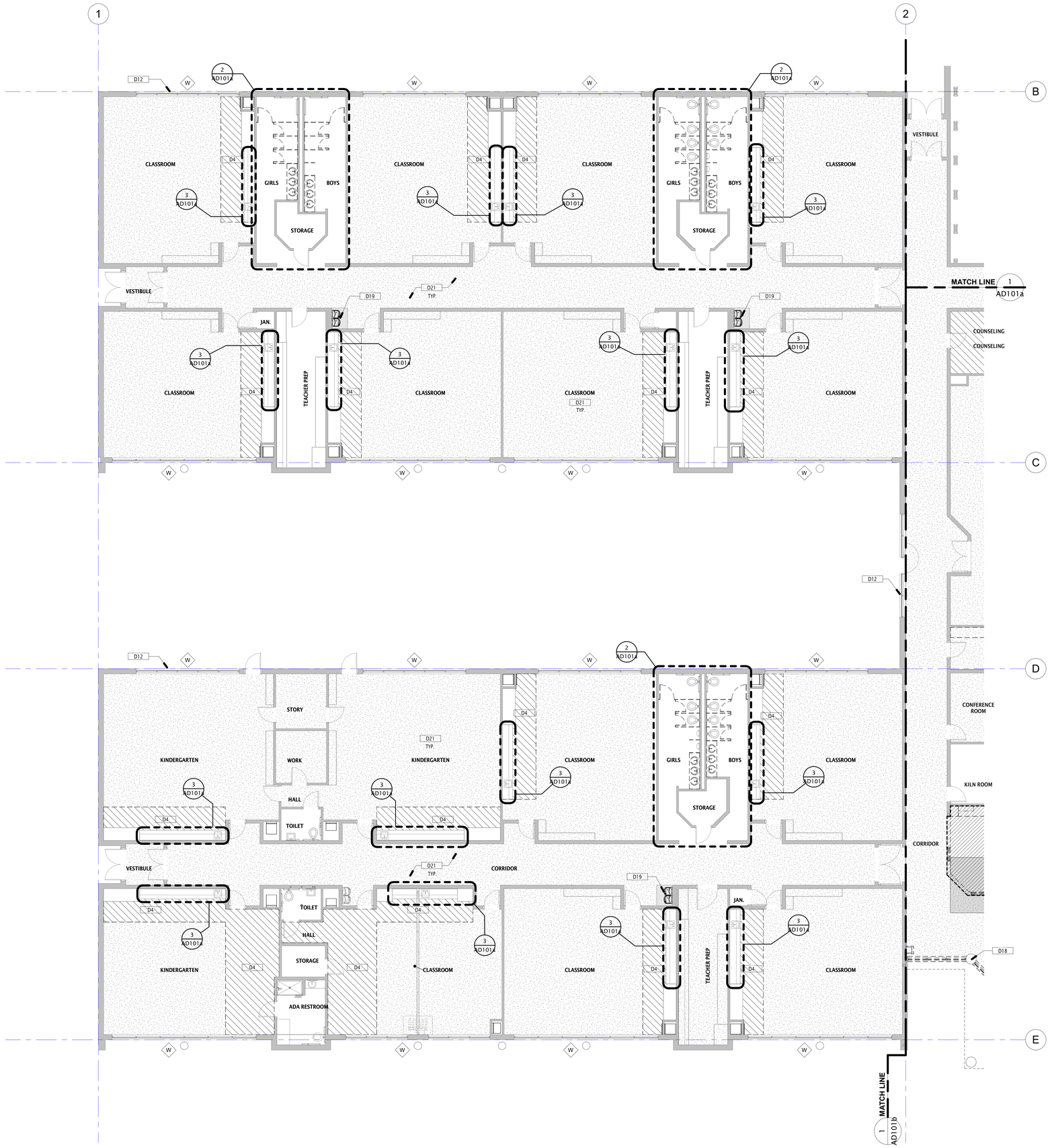
ISSUED DATE: 01/22/2024

DEMOLITION PLAN - AREA B

AD101b REV



1 AD101c DEMOLITION PLAN - LEVEL ONE - AREA C
1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

DEMOLITION LEGEND

- EXISTING BUILDING ELEMENTS TO BE REMOVED
- EXISTING BUILDING ELEMENTS TO REMAIN
- EXISTING DOOR AND FRAME TO BE REMAIN
- EXISTING DOOR AND FRAME TO BE REMOVED

DEFINITIONS

A. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.
B. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, AND STORE.
C. REMOVE AND REINSTALL: DETACH ITEMS FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, PREPARE FOR REUSE, AND REINSTALL WHERE INDICATED.
D. EXISTING TO REMAIN: LEAVE EXISTING ITEMS THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE SALVAGED OR REINSTALLED.
E. DISMANTLE: TO REMOVE BY DISASSEMBLING OR DETACHING AN ITEM FROM A SURFACE, USING GENTLE METHODS AND EQUIPMENT TO PREVENT DAMAGE TO THE ITEM AND SURFACES; DISPOSING OF ITEMS UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.

GENERAL NOTES

1. PROTECT EXISTING FLOOR FINISHES DURING CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING FINISHES TO REMAIN AND SHALL PATCH, REPAIR AND REPLACE FINISHES AS NECESSARY TO RESTORE TO ORIGINAL CONDITION.
3. CONTRACTOR TO PROTECT ALL EXISTING MILLWORK TO REMAIN. COVER FULLY WITH PLASTIC SHEETING TO PROTECT MILLWORK AND ANY REMAINING ITEMS STORED IN/ON MILLWORK.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING STRUCTURAL AND FIREPROOFING INTEGRITY OF THE ENTIRE BUILDING EXCEPT WHERE OTHERWISE NOTED.
2. UPON DISCOVERY OF HAZARDOUS MATERIALS ENCOUNTERED DURING CONSTRUCTION, NOTIFY THE DESIGNER AND OWNER IMMEDIATELY AND AWAIT FURTHER INSTRUCTIONS. THE WORK AREA SHALL BE COMPLETELY SEALED OFF DURING ABATEMENT.
3. WHERE THE TERM "REMOVE" IS USED, THE CONTRACTOR SHALL REMOVE FROM THE SITE AND LEGALLY DISPOSE OF.
4. WHERE THE TERM "SALVAGE" IS USED, THE CONTRACTOR SHALL REUSE THE EQUIPMENT ON THIS PROJECT OR RETURN TO THE OWNER.
5. WHERE THE TERM "REMOVE AND REINSTALL" IS USED, THE CONTRACTOR IS TO DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE THEM FOR REUSE, AND REINSTALL THEM WHERE INDICATED.
6. WHERE THE TERM "EXISTING TO REMAIN" IS USED, THE EXISTING ITEMS OF CONSTRUCTION ARE NOT TO BE REMOVED.
7. SEE ENGINEERING DRAWINGS AND SPECIFICATIONS FOR THE REMOVAL OF SPECIFIC STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE ALARM SYSTEMS.
8. REINSTALLED EQUIPMENT AND DEVICES ARE TO BE CLEANED OF ALL FOREIGN MATERIAL. REPLACE EQUIPMENT OR DEVICES WHICH ARE DEFECTIVE OR DAMAGED DURING RELOCATION.
9. WHEREVER MECHANICAL, ELECTRICAL, AND PLUMBING DEVICES ARE REMOVED, ALL PIPING AND/OR CONDUITS THAT ARE ABANDONED SHALL BE CAPPED OFF BELOW THE FLOOR, INSIDE THE WALLS, OR ABOVE THE CEILINGS EXCEPT WHERE NOTED OTHERWISE. MECHANICAL/ELECTRICAL CONTRACTOR TO REMOVE ALL UNUSED WIRING TO PANEL BOXES. PATCH AND REPAIR FINISHES TO MATCH SURROUNDING FINISHES. BLANK COVER PLATES OVER EXISTING BOXES ARE NOT ACCEPTABLE, UNLESS OTHERWISE NOTED.
10. REMOVE FINISH WALL BASE IN AREAS WHERE FLOORING IS BEING REMOVED.
11. FLOORS AND WALLS: WHERE WALLS OR PARTITIONS THAT ARE REMOVED EXTEND ONE FINISHED AREA INTO ANOTHER, PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE NEW SPACE TO PROVIDE AN EVEN SURFACE OF UNIFORM FINISH, COLOR, TEXTURE, AND APPEARANCE.
12. DEMO CARPETING THROUGHOUT THE BUILDING AND ALL FINISH FLOORING AS REQUIRED. REFERENCE FLOORING LAYOUT
13. DEMO ALL CEILINGS AS REQUIRED FOR NEW WORK. REFERENCE CEILING PLANS.
14. DEMO DOORS W/ CARE FOR RE-USE. VERIFY W/ BLDG. OWNER.

DEMOLITION NOTES

#	NOTE
D4	REMOVE FLOOR FINISH.
D12	FOR ALL WINDOWS LABELED "W", REMOVE EXISTING WINDOW COVERING AND SILL. EXISTING WINDOW TO REMAIN. SEE DETAILS ON SHEET A311.
D18	PROTECT ALL EXISTING COLUMNS TYPICAL
D19	REMOVE DRINKING FOUNTAIN
D21	REMOVE EXISTING CARPET, TYP.

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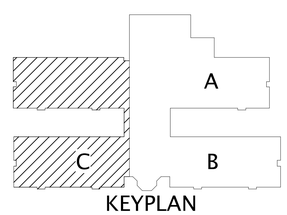

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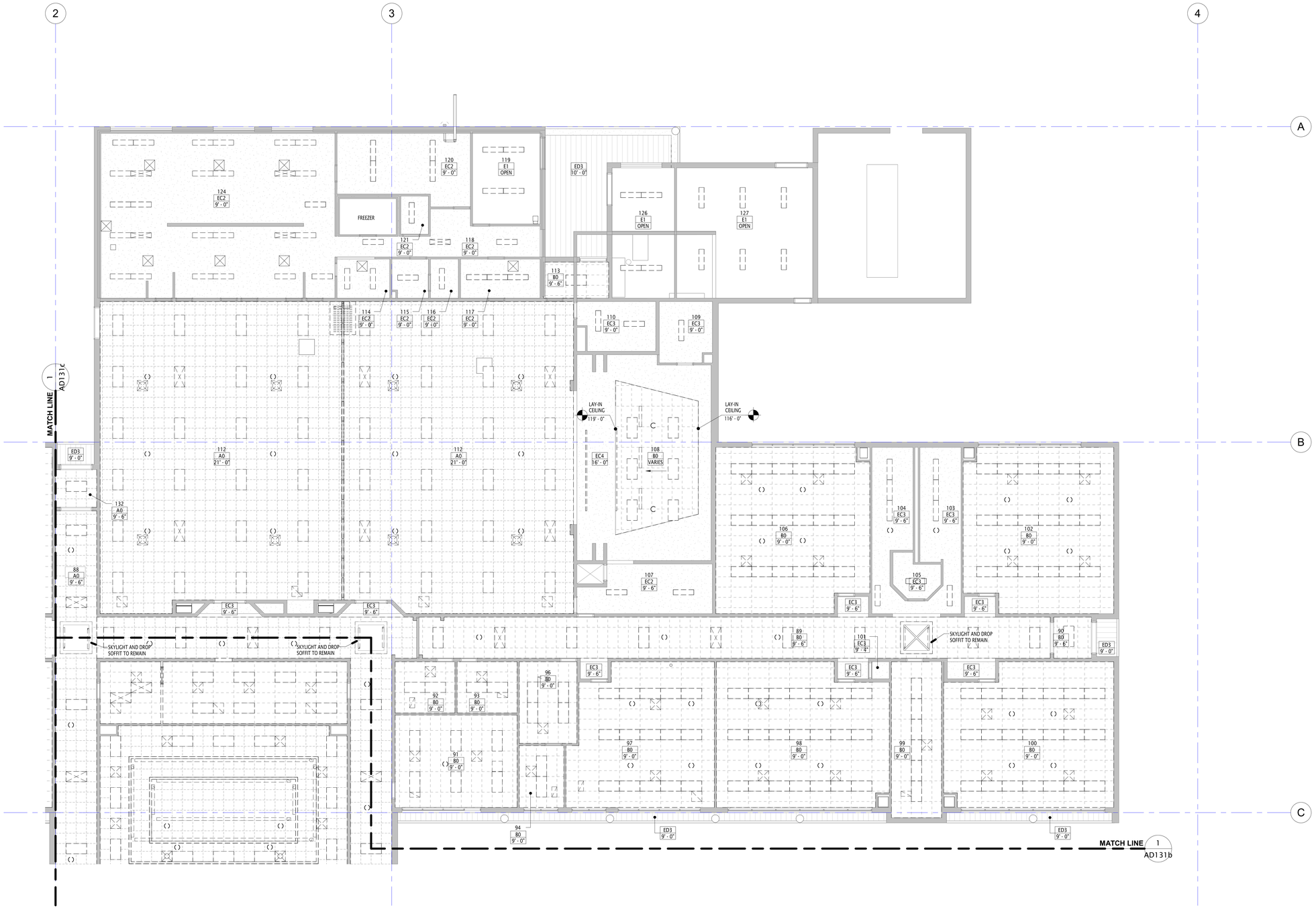
DEMOLITION PLAN - AREA C

AD101c REV



1 DEMOLITION REFLECTED CEILING PLAN - LEVEL ONE - AREA A
AD131a 1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

DEMO CEILING SCHEDULE

TYPE	DESCRIPTION	PLAN
A0	2X2 LAY-IN ACOUSTICAL PANEL IN SUSPENDED GRID - TO BE DEMOLISHED	
B0	2X4 LAY-IN ACOUSTICAL PANEL IN SUSPENDED GRID - TO BE DEMOLISHED	
C0	SUSPENDED 5/8" GYPSUM BOARD (PAINTED) - TO BE DEMOLISHED	
D0	PREFORMED ALUM SOFFIT ON 1/2" PLYWOOD - TO BE DEMOLISHED	
E1	EXPOSED STRUCTURE	
EC2	EXISTING SUSPENDED 5/8" GYPSUM BOARD (PAINTED), SEE CEILING NOTE #7	
EC3	EXISTING 5/8" GYPSUM BOARD (PAINTED) ON METAL STUDS/STRUCTURE, SEE CEILING NOTE #7	
EC4	EXISTING 5/8" GYPSUM BOARD (PAINTED) ON 6" METAL STUDS/STRUCTURE, SEE CEILING NOTE #7	
ED3	EXISTING PREFORMED ALUM SOFFIT ON METAL STUDS - SOFFIT TO REMAIN	

RCP LEGEND

- 100 / A / 9'-0" — ROOM # / CEILING TYPE / ELEVATION - FROM FINISH FLOOR
- 2X2 LAY-IN LIGHT FIXTURE
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- SUSPENDED OR SURFACE MOUNTED LINEAR LIGHT
- RECESSED LIGHT FIXTURE
- MECHANICAL DIFFUSER - SUPPLY
- MECHANICAL DIFFUSER - RETURN
- SPEAKER

CEILING DEMO NOTES

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   INTERCOM SPEAKERS
   SMOKE DETECTORS
   SECURITY CAMERAS
   MOTION SENSORS
   CLASSROOM SOUND SYSTEM RECEIVERS
   CLASSROOM SOUND SYSTEM SPEAKERS

3. IN AREAS WHERE EXISTING CEILING IS TO REMAIN PROTECT AND/OR REMOVE AND REINSTALL ALL EXISTING EQUIPMENT THAT IS NOT BEING REPLACED AS NECESSARY TO COMPLETE NEW WORK.
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   ELECTRICAL CONTROLS
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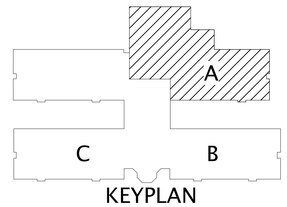

KEYPLAN

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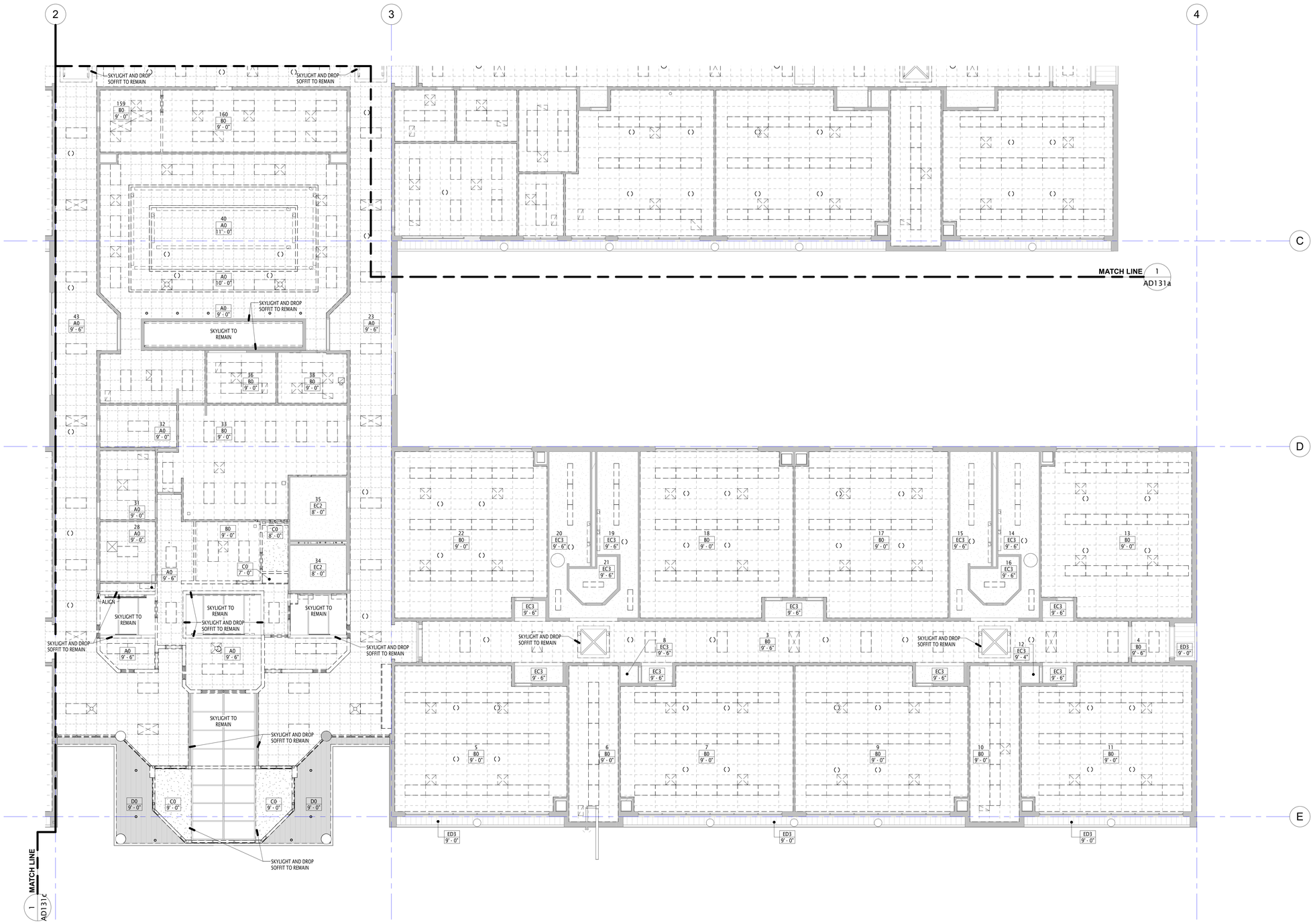
DEMOLITION RCP PLAN - AREA A

AD131a REV



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AD131b 1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

DEMO CEILING SCHEDULE

TYPE	DESCRIPTION	PLAN
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RCP LEGEND

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- RECESSED LIGHT FIXTURE
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- MECHANICAL DIFFUSER - RETURN
- SPEAKER

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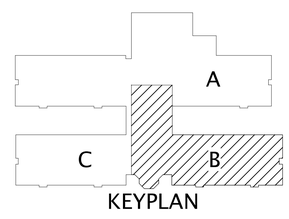

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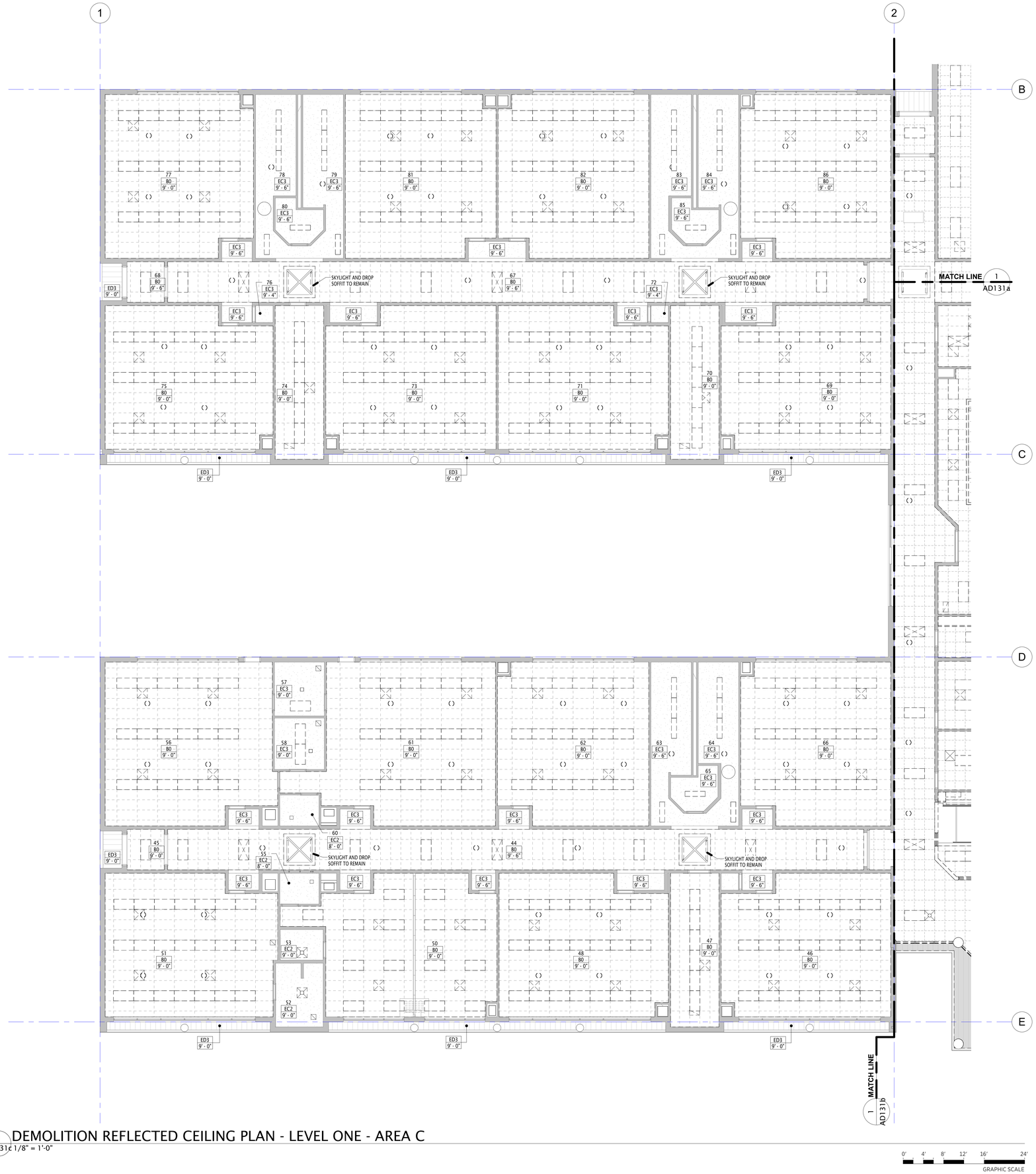
DEMOLITION RCP PLAN - AREA B

AD131b REV



1 DEMOLITION REFLECTED CEILING PLAN - LEVEL ONE - AREA C

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GRAPHIC SCALE

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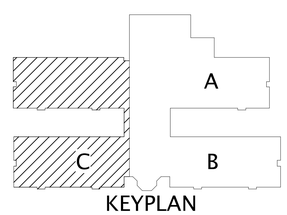

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DEMOLITION RCP PLAN - AREA C

AD131c REV

PERIMETER SEALING

REMOVEL DEBRIS, REMAINING EXISTING EXPANSION MATERIAL, AND LOOSE PARTICLES FROM JOINT BETWEEN CONCRETE PERIMETER MOW CURB AND BUILDING WALL WITH CAULK REMOVING TOOL OR WIRE BRUSH AND WIPE CLEAN. PROVIDE CONTINUOUS BACKER ROD AND SILICONE SEALANT AS SCHEDULED TO COMPLETELY SEAL PERIMETER JOINT.

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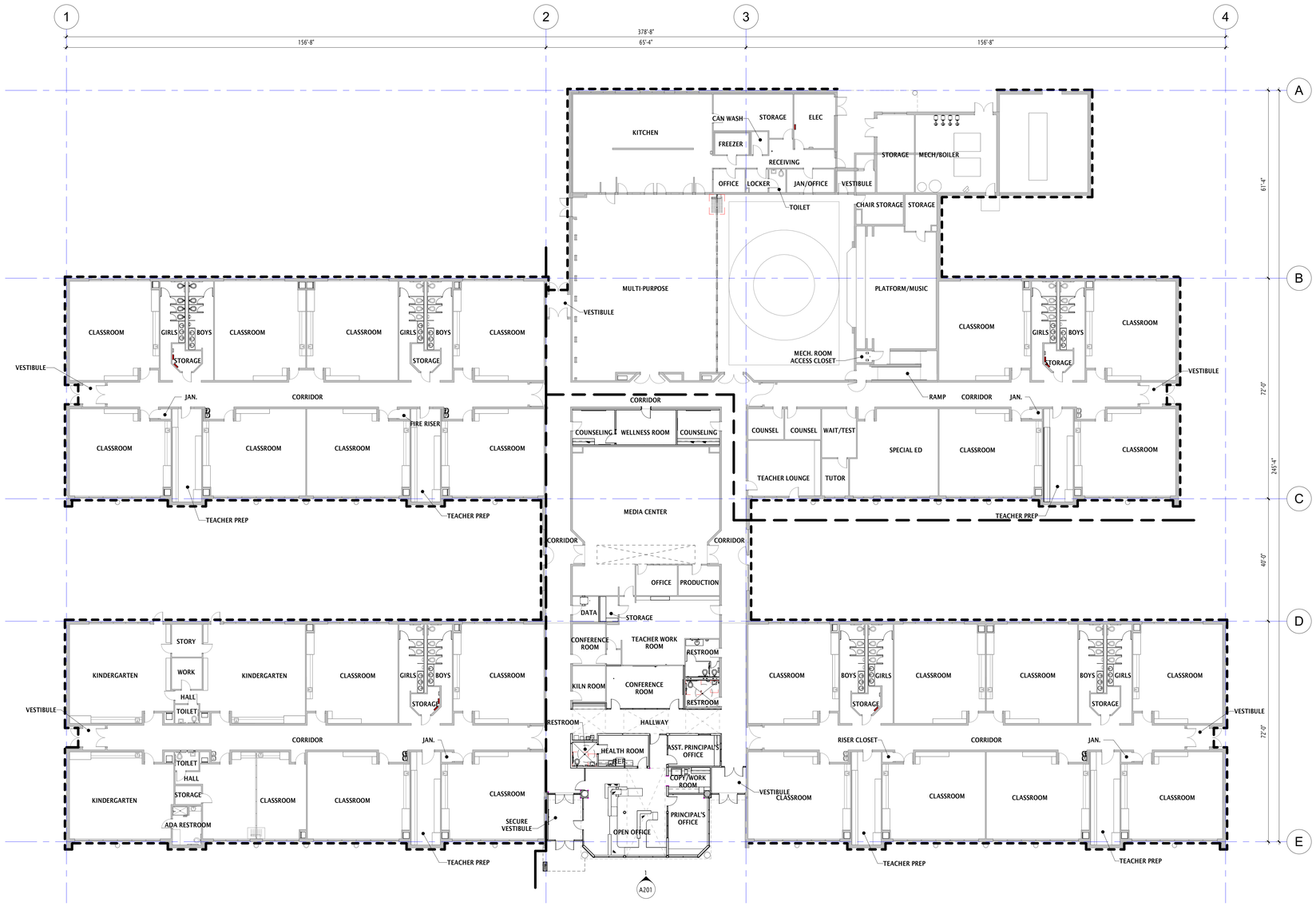
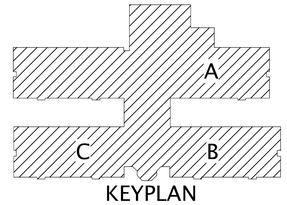


1 A101 OVERALL FLOOR PLAN - LEVEL ONE
1/16" = 1'-0"

0' 8' 16' 24' 32' 48'
GRAPHIC SCALE



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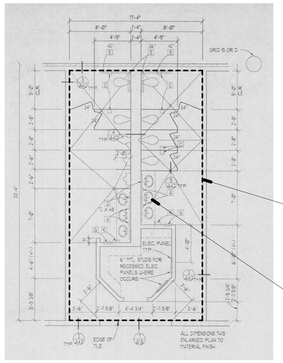
OVERALL FLOOR PLAN - LEVEL ONE

A101 REV



2 A101a TYPICAL RESTROOM PLAN
1/8" = 1'-0"

GENERAL NOTES

1. NEW CARPET INSTALLED BY GC THROUGHOUT THE BUILDING. CARPET INSTALLER TO PREP FLOORING SUBSTRATE AS REQUIRED FOR INSTALLTION OF NEW CARPET. CARPET COLOR/PATTERN SELECTION BY OWNER AND CARPET PROVIDED BY OWNER.

FINISH LEGEND

WALL / FLOOR / BASE

GENERAL NOTES

1. WHERE CARPET TILE TRANSITIONS TO BROADLOOM CARPET, CENTER FLOORING TRANSITION UNDER DOOR PANEL.
2. IN CLASSROOMS, INSTALL RB1 AT LV1 LOCATIONS AND CB1 AT CP3 LOCATIONS.
3. RUBBER BASE IS NOT REQUIRED TO BE INSTALLED WHERE CMU BLOCK IS THE WALL FINISH. IF RUBBER BASE WAS PREVIOUSLY PROVIDED AT CMU WALL, REPLACE WITH NEW RUBBER BASE. VERIFY IN FIELD.
4. WHERE NEW FLOORING IS MEETING EXISTING FLOORING, PROVIDE APPROPRIATE TRANSITION MATERIALS AS REQUIRED.
5. PREP FLOORING SUBSTRATE AS REQUIRED FOR INSTALLTION OF NEW FLOORING.

FLOOR PATTERN

FT2 LV1

WALL ACCENT

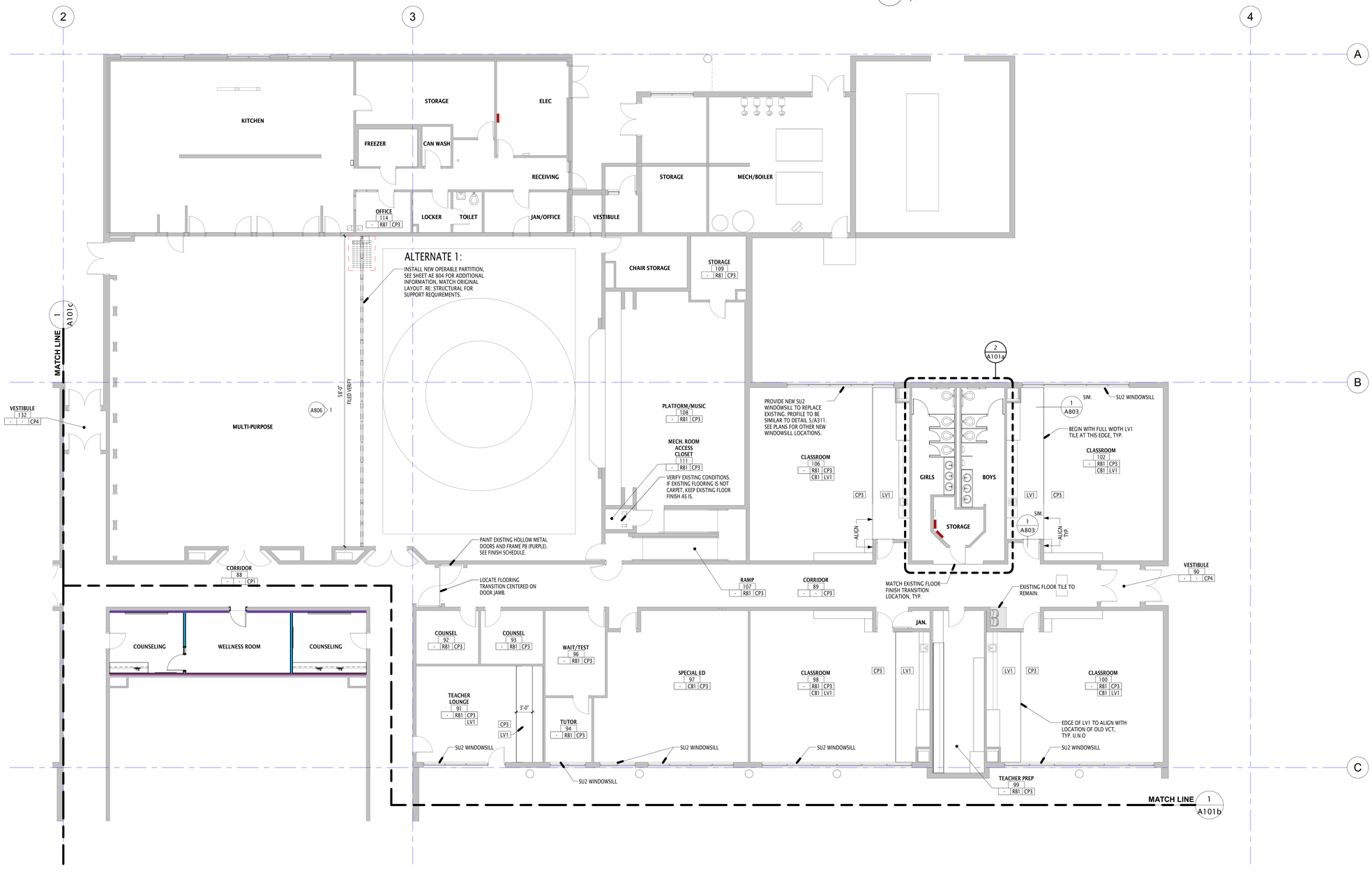
P# — DASH DOT LINE REPRESENTS EXTENT OF WALL ACCENT. ASSOCIATED FINISH ABBREVIATION INDICATES FINISH MATERIAL. REFER TO FINISH SCHEDULE.

WALL PROTECTION

CG# — SPECIFIED CORNER GUARD. (CALLOUT OF CG TAG MAY INDICATE MULTIPLE CORNER GUARD INSTANCES.)

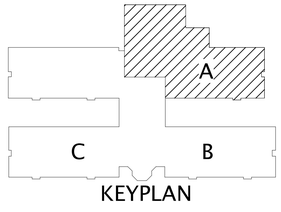
FINISH LEGEND

-	DESCRIPTION
WALL	
EG1	ENVIRONMENTAL GRAPHIC
P1	GENERAL PAINT
P2	ACCENT PAINT
P3	ACCENT PAINT
WT1	RESTROOM FIELD TILE
WT2	RESTROOM ACCENT TILE
WT3	RESTROOM ACCENT TILE
WT4	WALL TILE
BASE	
CB1	CARPET BASE (OFOI)
RB1	RUBBER BASE
TB1	TILE COVE BASE
FLOOR	
CP1	CARPET TILE (OFOI)
CP2	CARPET TILE (OFOI)
CP3	CARPET BROADLOOM (OFOI)
CP4	WALK-OFF CARPET (OFOI)
FT1	FLOOR TILE MOSAIC
FT2	FLOOR TILE
LV1	LVT
MILLWORK	
PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	PLASTIC LAMINATE
QZ1	QUARTZ
QZ2	QUARTZ
SU1	SOLID SURFACE
SU2	SOLID SURFACE
TK1	TACKBOARD
WD1	WOOD VENEER
MISC	
P5	HM FRAME PAINT
P6	HM FRAME PAINT, RED
P7	HM FRAME PAINT, GREEN
P8	HM FRAME PAINT, PURPLE
P9	HM FRAME PAINT, BLUE
CEILING	
P4	CEILING PAINT
P6a	CEILING PAINT, RED
P7a	CEILING PAINT, GREEN
P8a	CEILING PAINT, PURPLE
P9a	CEILING PAINT, BLUE



1 A101a FLOOR & WALL TYPES PLAN - LEVEL ONE - AREA A
1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE



KEYPLAN

PROJECT NORTH

GSBS ARCHITECTS
375 WEST 200
SALT LAKE CITY, UT
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F 801.521.791
www.gsbsarchitects.co

REVISIONS:

STATE OF UTAH — VALERIE W. NAGASAWA — 261112-0301 — 01/22/2024 — LICENSED ARCHITECT

NOTE - THIS SHEET IS INTENDED TO BE VIEWED IN COLOR

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

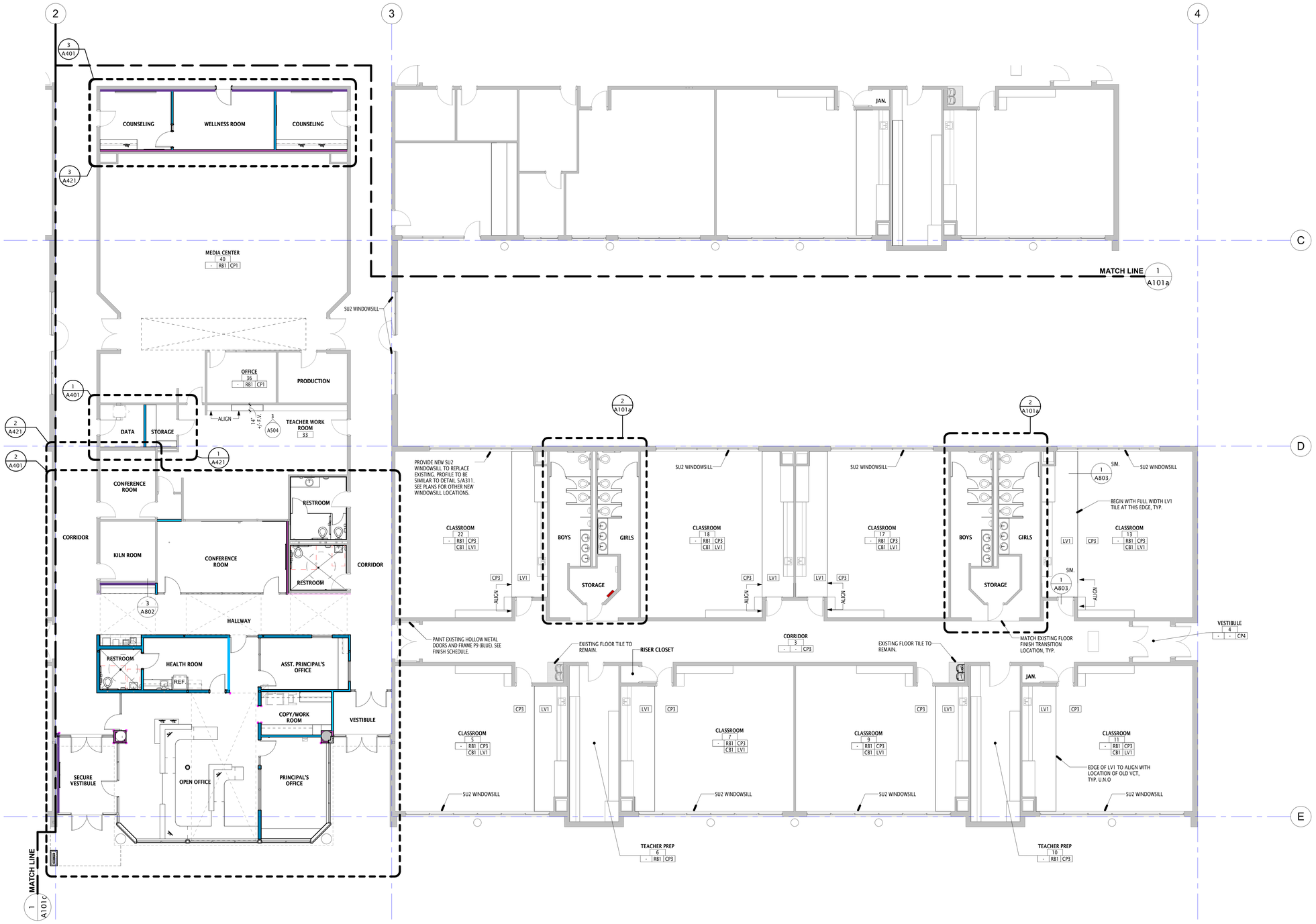
JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD, WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

FLOOR PLAN - LEVEL ONE - AREA A

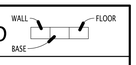
A101a REV



GENERAL NOTES

1. NEW CARPET INSTALLED BY GC THROUGHOUT THE BUILDING. CARPET INSTALLER TO PREP FLOORING SUBSTRATE AS REQUIRED FOR INSTALLTION OF NEW CARPET. CARPET COLOR/PATTERN SELECTION BY OWNER AND CARPET PROVIDED BY OWNER.

FINISH LEGEND



GENERAL NOTES

1. WHERE CARPET TILE TRANSITIONS TO BROADLOOM CARPET, CENTER FLOORING TRANSITION UNDER DOOR PANEL.
2. IN CLASSROOMS, INSTALL RB1 AT LV1 LOCATIONS AND CB1 AT CP3 LOCATIONS.
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FLOOR PATTERN

FT2

LV1

WALL ACCENT

P# — DASH DOT LINE REPRESENTS EXTENT OF WALL ACCENT. ASSOCIATED FINISH ABBREVIATION INDICATES FINISH MATERIAL. REFER TO FINISH SCHEDULE.

WALL PROTECTION

CG# — SPECIFIED CORNER GUARD. (CALLOUT OF CG TAG MAY INDICATE MULTIPLE CORNER GUARD INSTANCES.)

FINISH LEGEND

-	DESCRIPTION
WALL	
EG1	ENVIRONMENTAL GRAPHIC
P1	GENERAL PAINT
P2	ACCENT PAINT
P3	ACCENT PAINT
WT1	RESTROOM FIELD TILE
WT2	RESTROOM ACCENT TILE
WT3	RESTROOM ACCENT TILE
WT4	WALL TILE
BASE	
CB1	CARPET BASE (OFOI)
RB1	RUBBER BASE
TB1	TILE COVE BASE
FLOOR	
CP1	CARPET TILE (OFOI)
CP2	CARPET TILE (OFOI)
CP3	CARPET BROADLOOM (OFOI)
CP4	WALK-OFF CARPET (OFOI)
FT1	FLOOR TILE MOSAIC
FT2	FLOOR TILE
LV1	LVT
MILLWORK	
PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	PLASTIC LAMINATE
QZ1	QUARTZ
QZ2	QUARTZ
SU1	SOLID SURFACE
SU2	SOLID SURFACE
TK1	TACKBOARD
WD1	WOOD VENEER
MISC	
P5	HM FRAME PAINT
P6	HM FRAME PAINT, RED
P7	HM FRAME PAINT, GREEN
P8	HM FRAME PAINT, PURPLE
P9	HM FRAME PAINT, BLUE
CEILING	
P4	CEILING PAINT
P6a	CEILING PAINT, RED
P7a	CEILING PAINT, GREEN
P8a	CEILING PAINT, PURPLE
P9a	CEILING PAINT, BLUE

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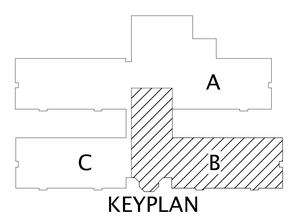
REVISIONS:

STATE OF UTAH
VALERIE W. NAGASAWA
261112-0301
01/22/2024
LICENSED ARCHITECT



KEYPLAN

PROJECT NORTH

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

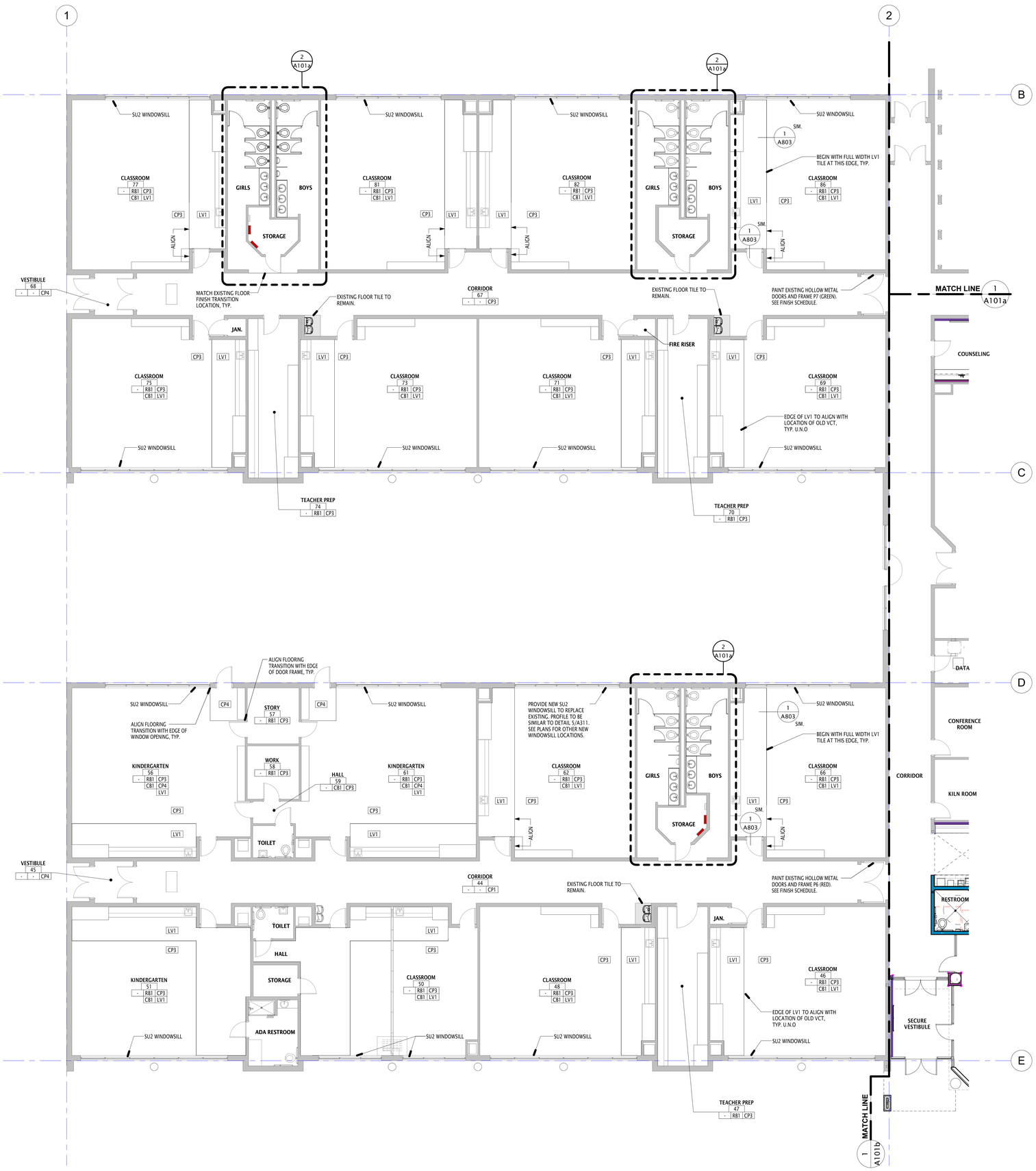
7905 SOUTH REDWOOD ROAD, WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

FLOOR PLAN - LEVEL ONE - AREA B

A101b REV

1 A101b FLOOR & WALL TYPES PLAN - LEVEL ONE - AREA B
1/8" = 1'-0"



1 A101c FLOOR & WALL TYPES PLAN - LEVEL ONE - LEVEL C

1/8" = 1'-0"

GENERAL NOTES

1. NEW CARPET INSTALLED BY GC THROUGHOUT THE BUILDING. CARPET INSTALLER TO PREP FLOORING SUBSTRATE AS REQUIRED FOR INSTALLTION OF NEW CARPET. CARPET COLOR/PATTERN SELECTION BY OWNER AND CARPET PROVIDED BY OWNER.

FINISH LEGEND

WALL / FLOOR / BASE

GENERAL NOTES

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FLOOR PATTERN

FT2 LV1

WALL ACCENT

P# — DASH DOT LINE REPRESENTS EXTENT OF WALL ACCENT. ASSOCIATED FINISH ABBREVIATION INDICATES FINISH MATERIAL. REFER TO FINISH SCHEDULE.

WALL PROTECTION

CGx — SPECIFIED CORNER GUARD. (CALLOUT OF CG TAG MAY INDICATE MULTIPLE CORNER GUARD INSTANCES.)

FINISH LEGEND

-	DESCRIPTION
WALL	
EG1	ENVIRONMENTAL GRAPHIC
P1	GENERAL PAINT
P2	ACCENT PAINT
P3	ACCENT PAINT
WT1	RESTROOM FIELD TILE
WT2	RESTROOM ACCENT TILE
WT3	RESTROOM ACCENT TILE
WT4	WALL TILE
BASE	
CB1	CARPET BASE (OFOI)
RB1	RUBBER BASE
TB1	TILE COVE BASE
FLOOR	
CP1	CARPET TILE (OFOI)
CP2	CARPET TILE (OFOI)
CP3	CARPET BROADLOOM (OFOI)
CP4	WALK-OFF CARPET (OFOI)
FT1	FLOOR TILE MOSAIC
FT2	FLOOR TILE
LV1	LVT
MILLWORK	
PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	PLASTIC LAMINATE
QZ1	QUARTZ
QZ2	QUARTZ
SU1	SOLID SURFACE
SU2	SOLID SURFACE
TK1	TACKBOARD
WD1	WOOD VENEER
MISC	
P5	HM FRAME PAINT
P6	HM FRAME PAINT, RED
P7	HM FRAME PAINT, GREEN
P8	HM FRAME PAINT, PURPLE
P9	HM FRAME PAINT, BLUE
CEILING	
P4	CEILING PAINT
P6a	CEILING PAINT, RED
P7a	CEILING PAINT, GREEN
P8a	CEILING PAINT, PURPLE
P9a	CEILING PAINT, BLUE

NOTE - THIS SHEET IS INTENDED TO BE VIEWED IN COLOR

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REVISIONS:

STATE OF UTAH — VALERIE W. NAGASAWA — 261112-0301 — 01/22/2024 — LICENSED ARCHITECT

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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JORDAN SCHOOL DISTRICT

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OWNER PROJECT NO.:
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ISSUED DATE: 01/22/2024

FLOOR PLAN - LEVEL ONE - AREA C

A101c REV

KEYPLAN

A B C

PROJECT NORTH

GSBS ARCHITECTS

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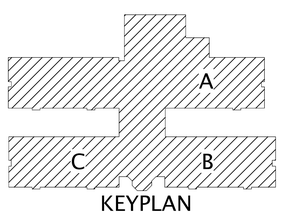
REVISIONS:

1 / A131 OVERALL REFLECTED CEILING PLAN - LEVEL ONE
1/16" = 1'-0"

0' 8' 16' 24' 32' 48'
GRAPHIC SCALE



KEYPLAN

PROJECT NORTH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

OVERALL REFLECTED CEILING PLAN - LEVEL ONE

A131 REV

CEILING SCHEDULE

TYPE	DESCRIPTION	PLAN
A1	2X2 LAY-IN ACOUSTICAL PANEL IN SUSPENDED GRID	
B1	2X4 LAY-IN ACOUSTICAL PANEL IN SUSPENDED GRID	
C1	5/8" GYPSUM BOARD (PAINTED) ON METAL STUDS	
D4	METAL PANEL SOFFIT	
E1	EXPOSED STRUCTURE	
EC2	EXISTING SUSPENDED 5/8" GYPSUM BOARD (PAINTED), SEE CEILING NOTE #7	
EC3	EXISTING 5/8" GYPSUM BOARD (PAINTED) ON METAL STUDS/STRUCTURE, SEE CEILING NOTE #7	
EC4	EXISTING 5/8" GYPSUM BOARD (PAINTED) ON 6" METAL STUDS/STRUCTURE, SEE CEILING NOTE #7	
ED3	EXISTING PREFORMED ALUM SOFFIT ON METAL STUDS - SOFFIT TO REMAIN	

RCP LEGEND

- 100 / A / 9'-0" — ROOM # / CEILING TYPE / ELEVATION - FROM FINISH FLOOR
- 2X2 LAY-IN LIGHT FIXTURE
- 2X4 LAY-IN LIGHT FIXTURE
- SUSPENDED OR SURFACE MOUNTED LINEAR LIGHT
- RECESSED LIGHT FIXTURE
- MECHANICAL DIFFUSER - SUPPLY
- MECHANICAL DIFFUSER - RETURN
- SPEAKER

CEILING NOTES

1. MECHANICAL AND ELECTRICAL DATA SHOWN FOR REFERENCE ONLY. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS. ANY CONFLICTS SHOULD BE ADDRESSED WITH ARCHITECT AS SOON AS POSSIBLE.
2. FOR ANY CEILING MISSING A CEILING TAG, PROVIDE CEILING TYPE A1
3. UNLESS NOTED OTHERWISE, PROVIDE FRAMED GYP BD. HEADER/ BULKHEAD AT EDGE WHERE ADJACENT CEILINGS HAVE DIFFERENT ELEVATIONS. IF NOT TAGGED, PROVIDE BULKHEAD TYPE T3X.
4. PROVIDE BLOCKING IN WALLS & CEILINGS AS REQUIRED FOR INSTALLATION OF MECH., PLUMB. & ELEC. EQUIP. AND SPECIALTIES
5. STENCIL FIRE-RATED WALLS 6" ABOVE ACCESSIBLE CEILINGS, OR AT TOP OF WALL WHERE NO CEILING IS SCHEDULED, THE FOLLOWING: FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS. REPEAT STENCILING EVERY 30' FOR THE ENTIRE LENGTH OF THE WALL IN 1/2" MIN. HEIGHT LETTERING.
6. DEMOLITION RCP PLANS SHOW ESTIMATED CEILING HEIGHTS. ALL NEW CEILINGS REPLACING EXISTING CEILINGS TO BE LOCATED AT APPROXIMATELY THE SAME HEIGHT. NEW CEILINGS SHALL CONSISTANTLY COVER WALL FINISH EDGE CONDITIONS IF APPLICABLE.
7. ALL EXISTING GYP. BOARD CEILINGS TO BE REPAINTED P4 (SEE FINISH SCHEDULE). CONTRACTOR HAS THE OPTION TO REMOVE AND REPLACE THESE CEILINGS IF PREFERRED. ALL LIGHTS AND EQUIPMENT ON CEILINGS TO BE REPLACED AND CONTRACTOR WILL PATCH AND REPAIR ALL DAMAGE AND PROVIDE ANY NECESSARY ACCESS PANELS FOR INSTALLATION OF LIGHTS AND OTHER EQUIPMENT. CEILINGS TO APPEAR NEW AT COMPLETION OF WORK.
8. CENTER ALL CEILING EQUIPMENT, DEVICES AND SPRINKLER HEADS IN CENTER OF FULL OR HALF CEILING PANELS SO THAT ALL ELEMENTS ARE 1'-0" OR 2'-0" FROM PANEL EDGE IN ALL LOCATIONS.
9. SKYLIGHTS LOCATED IN THE FOLLOWING CORRIDORS TO BE PAINTED P4 IN THE LIGHT WELL. THE SKYLIGHT TRIM TO PAINTED AN ACCENT COLOR AS INDICATED BELOW. SEE FINISH SCHEDULE FOR PAINT INFORMATION.
   - CORRIDOR 89 - P9a (PURPLE)
   - CORRIDOR 3 - P9a (BLUE)
   - CORRIDOR 44 - P6a (RED)
   - CORRIDOR 67 - P7a (GREEN)

WINDOW SHADE SCHEDULE

TYPE	DESCRIPTION	PLAN
WS1	MANUAL, SINGLE ROLLER WINDOW SHADE, FOR EXISTING CLASSROOM WINDOW: 20'-0"W X 5'-4"H	
WS2	MANUAL, SINGLE ROLLER WINDOW SHADE, FOR EXISTING CLASSROOM WINDOW: 28'-0"W X 5'-4"H	
WS3	MANUAL, SINGLE ROLLER WINDOW SHADE, FOR EXISTING CLASSROOM WINDOW: 16'-0"W X 5'-4"H	
WS4	MANUAL, SINGLE ROLLER WINDOW SHADE, FOR EXISTING CLASSROOM WINDOW: 6'-8"W X 5'-4"H	
WS5	MANUAL, SINGLE ROLLER WINDOW SHADE, FOR EXISTING TEACHER LOUNGE WINDOW. SHADES NOT REQUIRED AT WINDOW ABOVE DOOR. VERIFY WINDOW SIZE, APPROX. 12'-2"W X 5'-4"H	
WS6	MANUAL, SINGLE ROLLER WINDOW SHADE, FOR EXISTING CLASSROOM WINDOW: 12'-0"W X 5'-4"H	
WS7	MANUAL, SINGLE ROLLER WINDOW SHADE, FOR NEW WINDOWS, SEE WINDOW ELEVATIONS.	

GSBS ARCHITECTS
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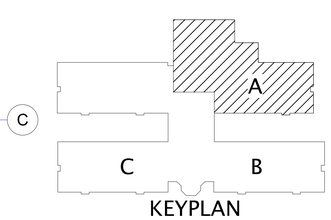
REVISIONS:

STATE OF UTAH — VALERIE W. NAGASAWA — 261112-0301 — 01/22/2024 — LICENSED ARCHITECT



KEYPLAN

PROJECT NORTH

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD, WEST JORDAN, UT 84088

OWNER PROJECT NO.:
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ISSUED DATE: 01/22/2024

1 A131a/ 1/8" = 1'-0"
REFLECTED CEILING PLAN - LEVEL ONE - AREA A

REFLECTED CEILING PLAN - LEVEL ONE - AREA A

A131a REV

1 REFLECTED CEILING PLAN - LEVEL ONE - AREA B
A131b 1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE

CEILING SCHEDULE

TYPE	DESCRIPTION	PLAN
A1	2X2 LAY-IN ACOUSTICAL PANEL IN SUSPENDED GRID	
B1	2X4 LAY-IN ACOUSTICAL PANEL IN SUSPENDED GRID	
C1	5/8" GYPSUM BOARD (PAINTED) ON METAL STUDS	
D4	METAL PANEL SOFFIT	
E1	EXPOSED STRUCTURE	
EC2	EXISTING SUSPENDED 5/8" GYPSUM BOARD (PAINTED), SEE CEILING NOTE #7	
EC3	EXISTING 5/8" GYPSUM BOARD (PAINTED) ON METAL STUDS/STRUCTURE, SEE CEILING NOTE #7	
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RCP LEGEND

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- 2X2 LAY-IN LIGHT FIXTURE
- 2X4 LAY-IN LIGHT FIXTURE
- SUSPENDED OR SURFACE MOUNTED LINEAR LIGHT
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- MECHANICAL DIFFUSER - RETURN
- SPEAKER

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   CORRIDOR 89 - P8a (PURPLE)
   CORRIDOR 3 - P9a (BLUE)
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WINDOW SHADE SCHEDULE

TYPE	DESCRIPTION	PLAN
WS1	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 20'-0"W X 5'-4"H	
WS2	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 28'-0"W X 5'-4"H	
WS3	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 16'-0"W X 5'-4"H	
WS4	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 6'-8"W X 5'-4"H	
WS5	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING TEACHER LOUNGE WINDOW. SHADES NOT REQUIRED AT WINDOW ABOVE DOOR. VERIFY WINDOW SIZE, APPROX. 12'-2"W X 5'-4"H	
WS6	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 12'-0"W X 5'-4"H	
WS7	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR NEW WINDOWS, SEE WINDOW ELEVATIONS.	

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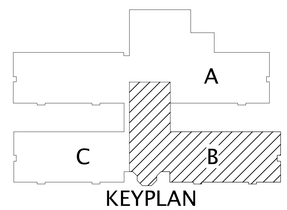
KEYPLAN



PROJECT NORTH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

REFLECTED CEILING PLAN - LEVEL ONE - AREA B

A131b REV

CEILING SCHEDULE

TYPE	DESCRIPTION	PLAN
A1	2X2 LAY-IN ACOUSTICAL PANEL IN SUSPENDED GRID	
B1	2X4 LAY-IN ACOUSTICAL PANEL IN SUSPENDED GRID	
C1	5/8" GYPSUM BOARD (PAINTED) ON METAL STUDS	
D4	METAL PANEL SOFFIT	
E1	EXPOSED STRUCTURE	
EC2	EXISTING SUSPENDED 5/8" GYPSUM BOARD (PAINTED), SEE CEILING NOTE #7	
EC3	EXISTING 5/8" GYPSUM BOARD (PAINTED) ON METAL STUDS/STRUCTURE, SEE CEILING NOTE #7	
EC4	EXISTING 5/8" GYPSUM BOARD (PAINTED) ON METAL STUDS/STRUCTURE, SEE CEILING NOTE #7	
ED3	EXISTING PREFORMED ALUM SOFFIT ON METAL STUDS - SOFFIT TO REMAIN	

- SUSPENDED OR SURFACE MOUNTED LINEAR LIGHT
- RECESSED LIGHT FIXTURE
- MECHANICAL DIFFUSER - SUPPLY
- MECHANICAL DIFFUSER - RETURN
- SPEAKER

CEILING NOTES

1. MECHANICAL AND ELECTRICAL DATA SHOWN FOR REFERENCE ONLY. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS. ANY CONFLICTS SHOULD BE ADDRESSED WITH ARCHITECT AS SOON AS POSSIBLE.
2. FOR ANY CEILING MISSING A CEILING TAG, PROVIDE CEILING TYPE A1
3. UNLESS NOTED OTHERWISE, PROVIDE FRAMED GYP BD. HEADER/ BULKHEAD AT EDGE WHERE ADJACENT CEILINGS HAVE DIFFERENT ELEVATIONS. IF NOT TAGGED, PROVIDE BULKHEAD TYPE T3X.
4. PROVIDE BLOCKING IN WALLS & CEILINGS AS REQUIRED FOR INSTALLATION OF MECH., PLUMB. & ELEC. EQUIP. AND SPECIALTIES
5. STENCIL FIRE-RATED WALLS 8" ABOVE ACCESSIBLE CEILINGS, OR AT TOP OF WALL WHERE NO CEILING IS SCHEDULED, THE FOLLOWING: FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS. REPEAT STENCILING EVERY 30' FOR THE ENTIRE LENGTH OF THE WALL IN 1/2" MIN. HEIGHT LETTERING.
6. DEMOLITION RCP PLANS SHOW ESTIMATED CEILING HEIGHTS. ALL NEW CEILINGS REPLACING EXISTING CEILINGS TO BE LOCATED AT APPROXIMATELY THE SAME HEIGHT. NEW CEILINGS SHALL CONSISTANTLY COVER WALL FINISH EDGE CONDITIONS IF APPLICABLE.
7. ALL EXISTING GYP. BOARD CEILINGS TO BE REPAINTED P4 (SEE FINISH SCHEDULE). CONTRACTOR HAS THE OPTION TO REMOVE AND REPLACE THESE CEILINGS IF PREFERRED. ALL LIGHTS AND EQUIPMENT ON CEILINGS TO BE REPLACED AND CONTRACTOR WILL PATCH AND REPAIR ALL DAMAGE AND PROVIDE ANY NECESSARY ACCESS PANELS FOR INSTALLATION OF LIGHTS AND OTHER EQUIPMENT. CEILINGS TO APPEAR NEW AT COMPLETION OF WORK.
8. CENTER ALL CEILING EQUIPMENT, DEVICES AND SPRINKLER HEADS IN CENTER OF FULL OR HALF CEILING PANELS SO THAT ALL ELEMENTS ARE 1'-0" OR 2'-0" FROM PANEL EDGE IN ALL LOCATIONS.
9. SKYLIGHTS LOCATED IN THE FOLLOWING CORRIDORS TO BE PAINTED P4 IN THE LIGHT WELL. THE SKLYIGHT TRIM TO PAINTED AN ACCENT COLOR AS INDICATED BELOW. SEE FINISH SCHEDULE FOR PAINT INFORMATION.
   - CORRIDOR 89 - P8a (PURPLE)
   - CORRIDOR 3 - P9a (BLUE)
   - CORRIDOR 44 - P6a (RED)
   - CORRIDOR 67 - P7a (GREEN)

WINDOW SHADE SCHEDULE

TYPE	DESCRIPTION	PLAN
WS1	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 20'-0"W X 5'-4"H	
WS2	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 28'-0"W X 5'-4"H	
WS3	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 16'-0"W X 5'-4"H	
WS4	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 6'-8"W X 5'-4"H	
WS5	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING TEACHER LOUNGE WINDOW. SHADES NOT REQUIRED AT WINDOW ABOVE DOOR. VERIFY WINDOW SIZE, APPROX. 12'-2"W X 5'-4"H	
WS6	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR EXISTING CLASSROOM WINDOW: 12'-0"W X 5'-4"H	
WS7	MANUAL, SINGLE ROLLER WINDOW SHADE. FOR NEW WINDOWS, SEE WINDOW ELEVATIONS.	

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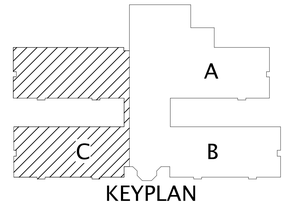


KEYPLAN

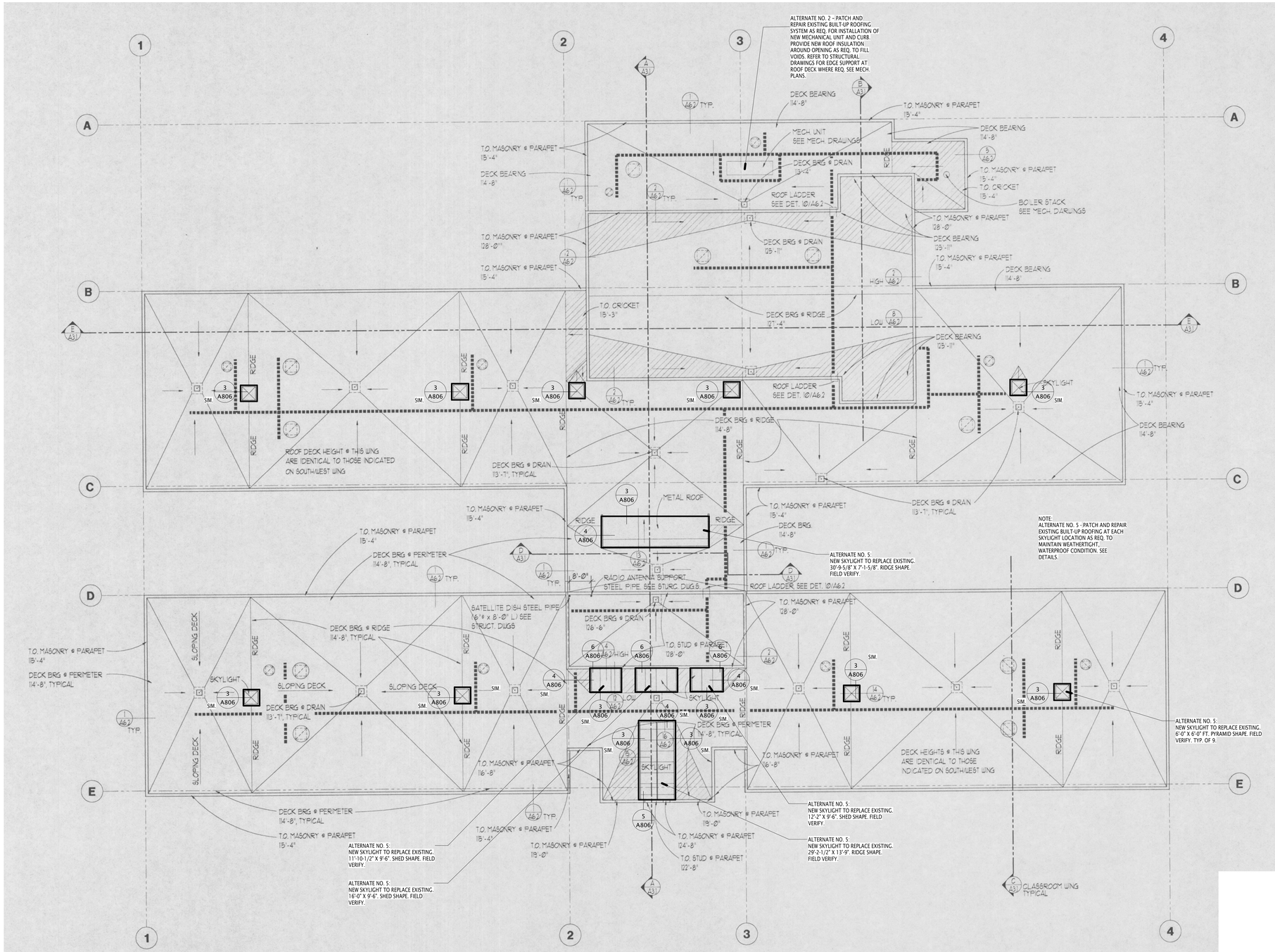
PROJECT NORTH

REFLECTED CEILING PLAN - LEVEL ONE - AREA C

SHEET: A131c REV

1/8" = 1'-0"

0' 4' 8' 12' 16' 24'
GRAPHIC SCALE



1 A141 EXISTING ROOF PLAN
1/8" = 1'-0"

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ROOF PLAN

A141 REV

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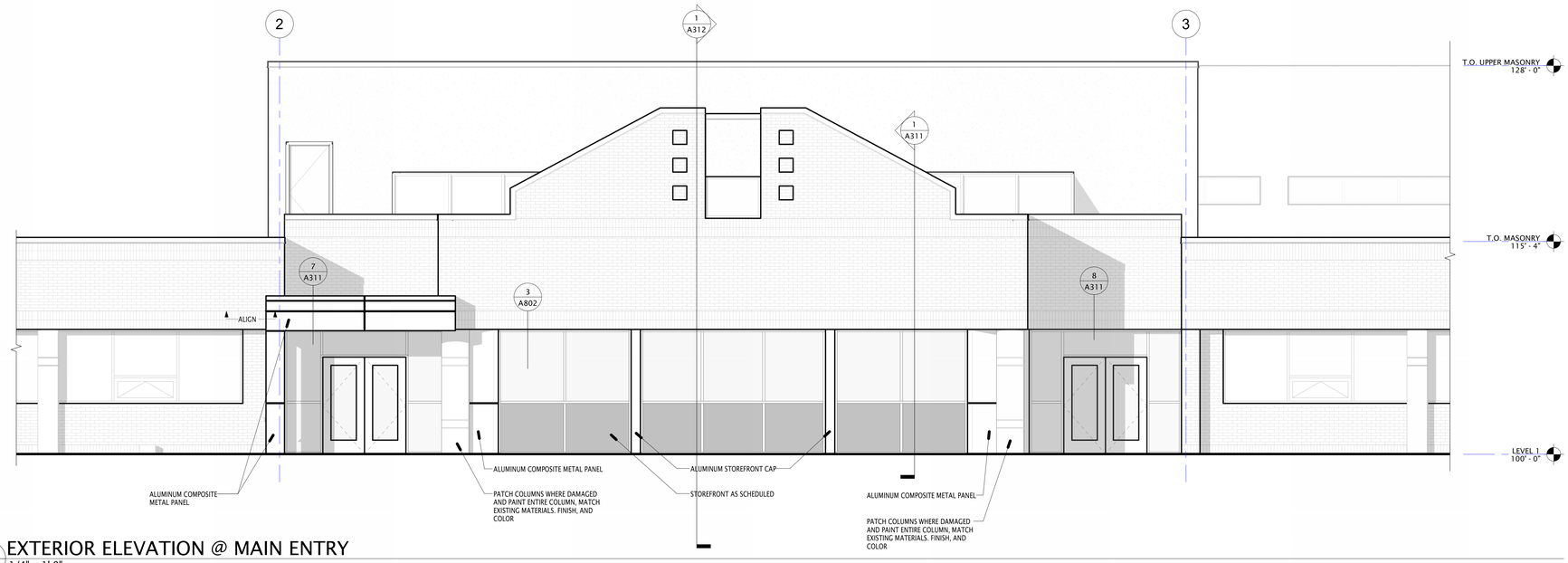

1 A201 EXTERIOR ELEVATION @ MAIN ENTRY
1/4" = 1'-0"

0' 2' 4' 6' 8' 12'
GRAPHIC SCALE

CONSTRUCTION DOCUMENTS

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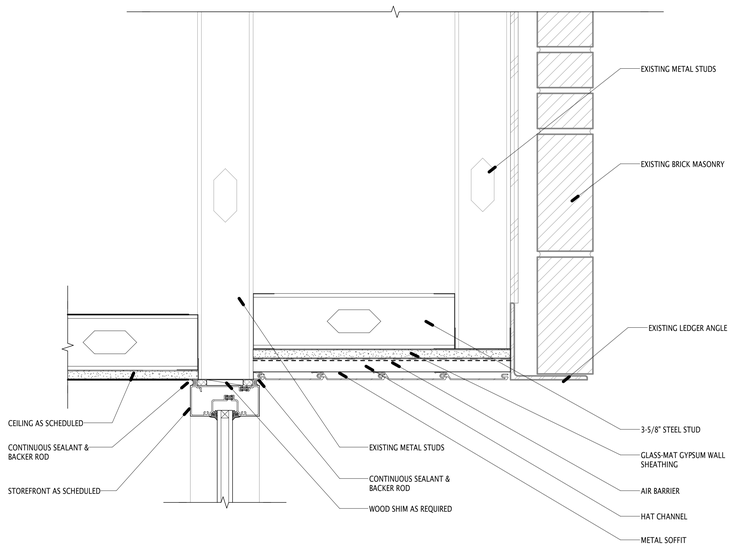
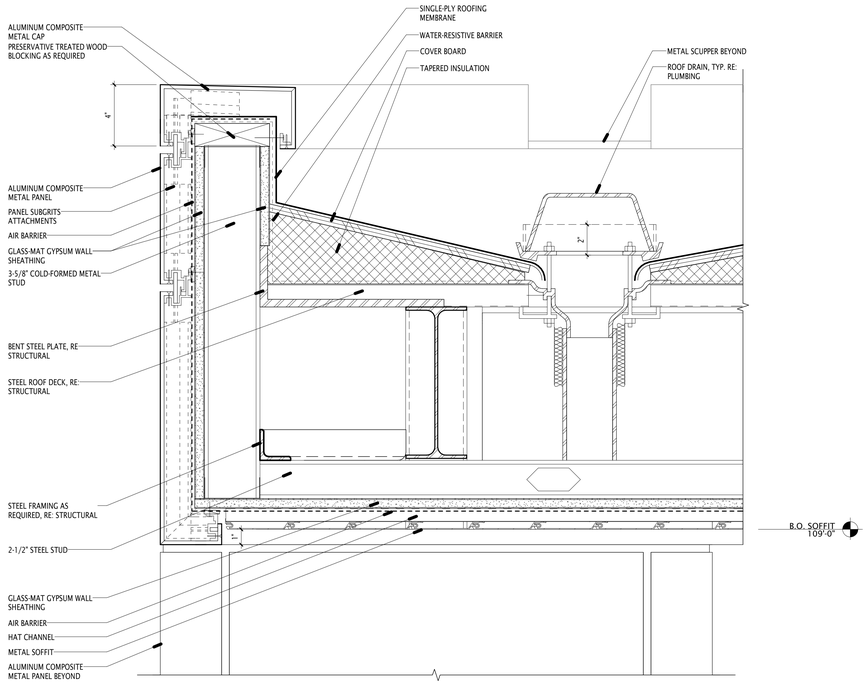
EXTERIOR ELEVATIONS

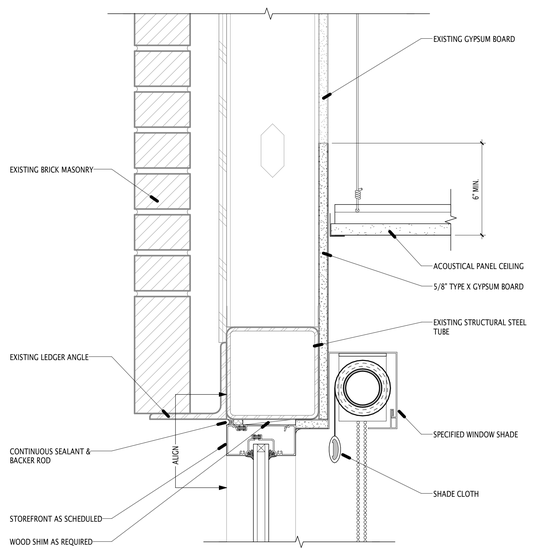
A201 REV



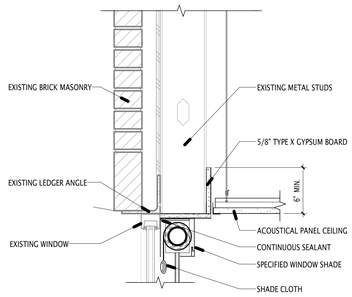
8 A311 ENRTY DOORS HEADER DETAIL
3" = 1'-0"



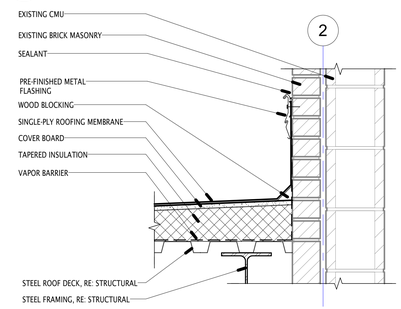
7 A311 PARAPET DETAIL AT ENTRY CANOPY
3" = 1'-0"



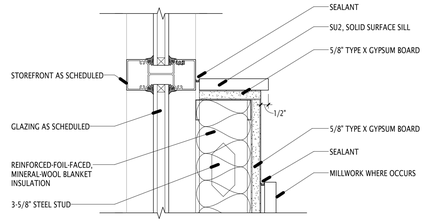
6 A311 STOREFRONT HEADER @ OFFICE AREA
3" = 1'-0"



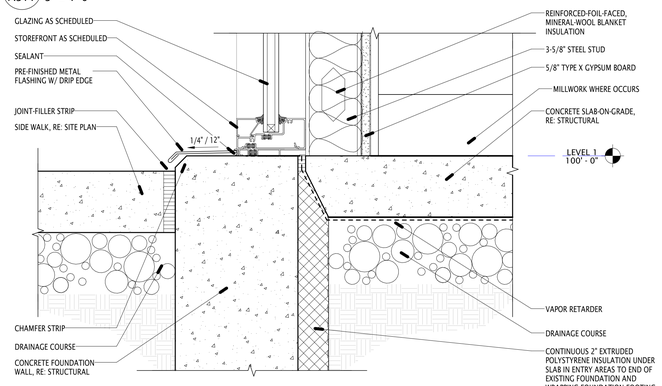
3 A311 STOREFRONT HEADER @ CLASSROOM
1 1/2" = 1'-0"



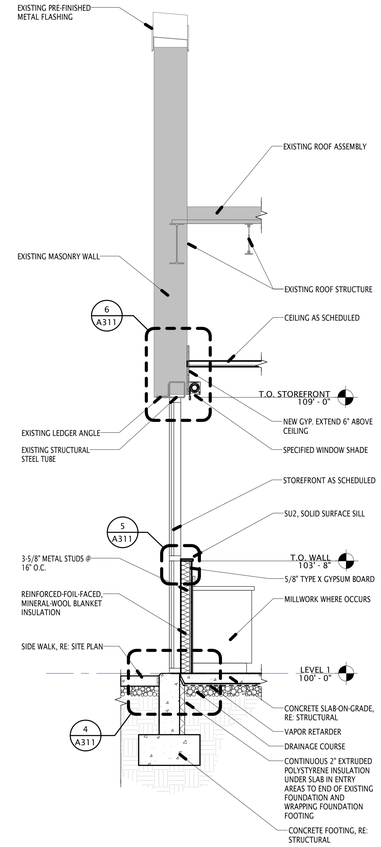
2 A311 ROOF DETAIL
1 1/2" = 1'-0"



5 A311 OFFICE SF SILL
3" = 1'-0"



4 A311 OFFICE AREA FOUNDATION
3" = 1'-0"



1 A311 WALL SECTION @ OFFICE SUITE
1/2" = 1'-0"

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WALL SECTIONS

A311 REV

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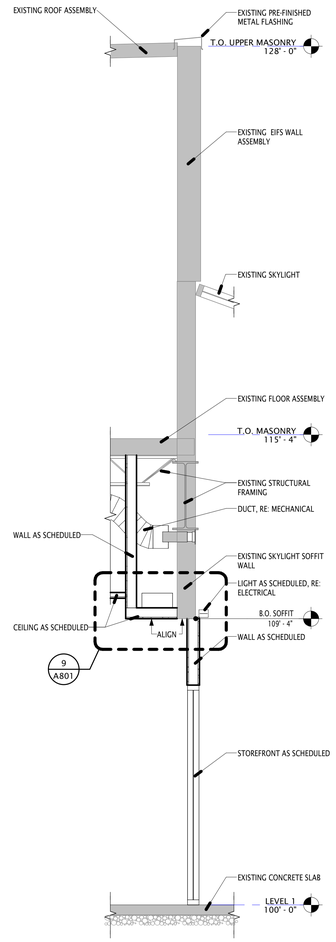

WALL SECTION @ CONFERENCE ROOM

1 / A312 1/2" = 1'-0"

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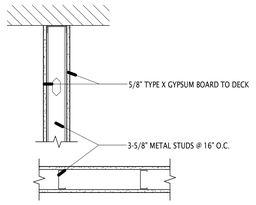
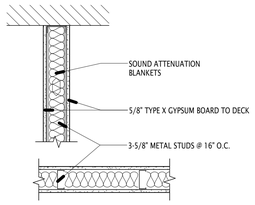
WALL SECTIONS

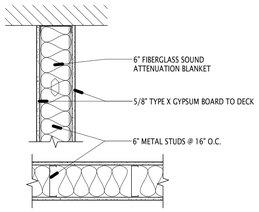
A312 REV



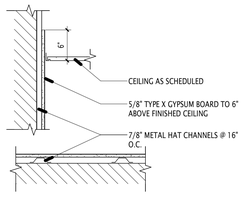
12 A401 WALL TYPE D3B
1" = 1'-0"
STC 35



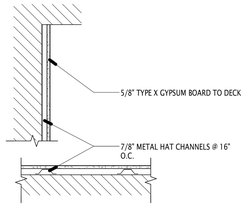
8 A401 WALL TYPE D3Bi
1" = 1'-0"
STC 45



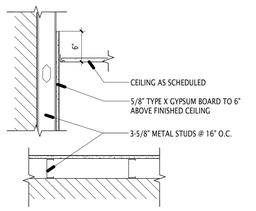
11 A401 WALL TYPE D6Bi
1" = 1'-0"
STC 45



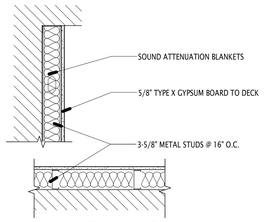
7 A401 WALL TYPE H0A
1" = 1'-0"



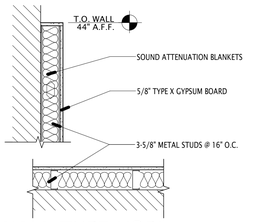
10 A401 WALL TYPE H0B
1" = 1'-0"



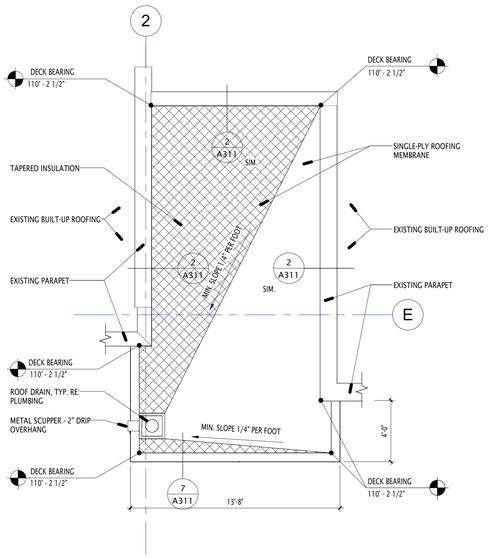
6 A401 WALL TYPE H3A
1" = 1'-0"



9 A401 WALL TYPE H3Bi
1" = 1'-0"

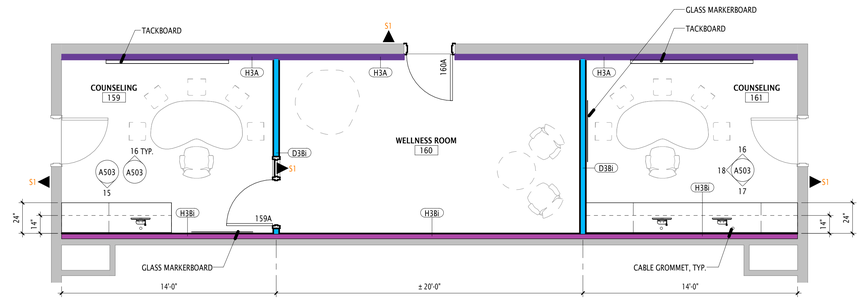


5 A401 WALL TYPE H3Bi
1" = 1'-0"



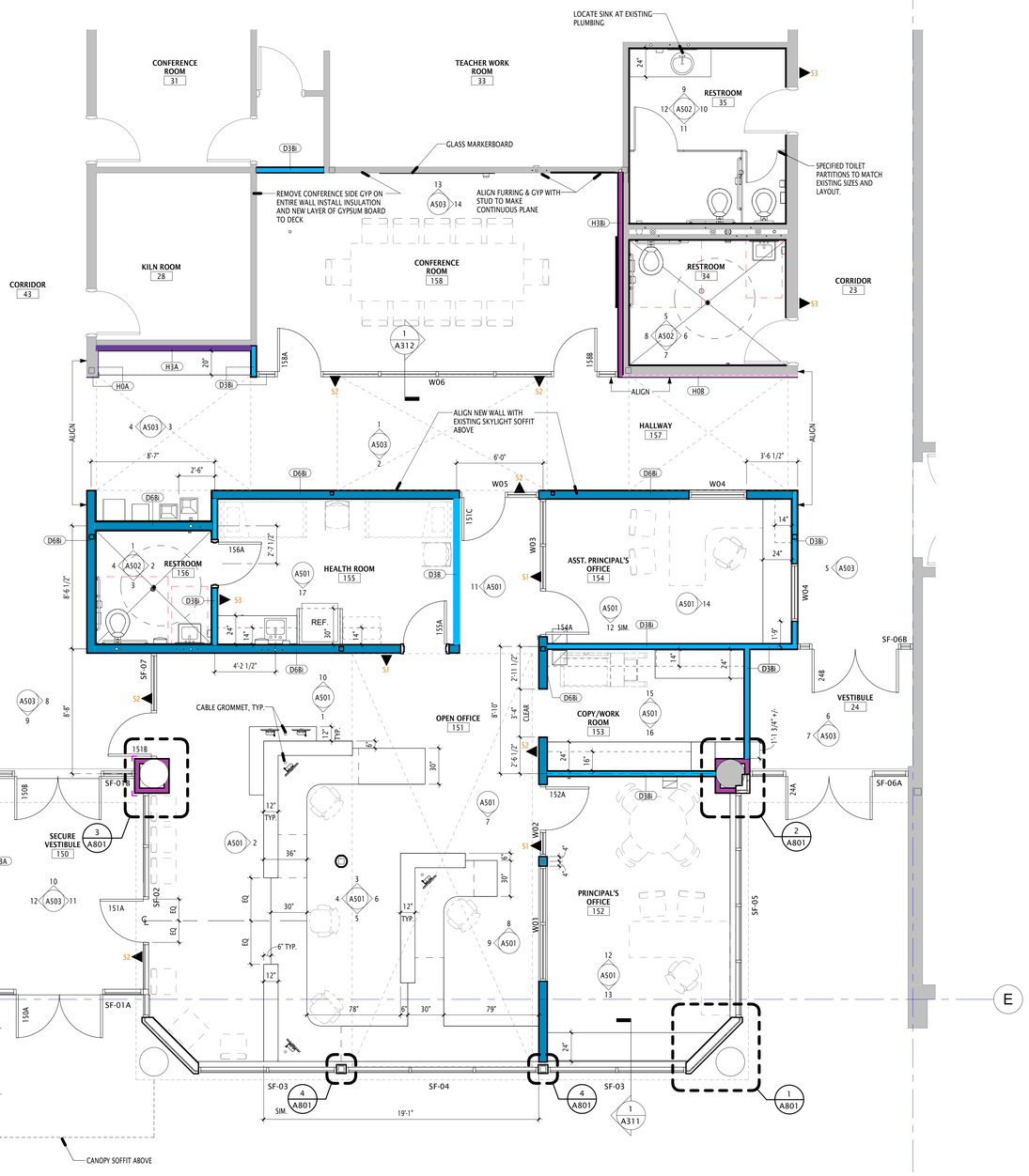
4 A401 NEW CANOPY ROOF PLAN
1/4" = 1'-0"

0' 2' 4' 6' 8' 12'
GRAPHIC SCALE



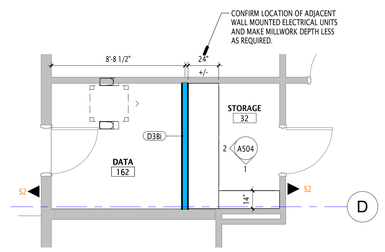
3 A401 ENLARGED FLOOR PLAN - COUNSELING & WELLNESS
1/4" = 1'-0"

0' 2' 4' 6' 8' 12'
GRAPHIC SCALE



2 A401 ENLARGED FLOOR PLAN - MAIN ENTRY & OFFICE
1/4" = 1'-0"

0' 2' 4' 6' 8' 12'
GRAPHIC SCALE



1 A401 ENLARGED FLOOR PLAN - DATA ROOM
1/4" = 1'-0"

0' 2' 4' 6' 8' 12'
GRAPHIC SCALE

PROJECT NORTH

WALL TYPES SCHEDULE

TYPE	STC	UL#	DESCRIPTION	RATING	PLAN
NON-RATED METAL STUD WALLS					
D3B	35		3-5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, EACH SIDE. EXTEND GYP. BD. TO DECK ABOVE		
D3Bi	45		3-5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, EACH SIDE. EXTEND GYP. BD. TO DECK ABOVE. FILL CAVITY W/ 3-1/2" FIBERGLASS SOUND ATTENUATION BLANKET		
D6Bi	45		6" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, EACH SIDE. EXTEND GYP. BD. TO DECK ABOVE. FILL CAVITY W/ 6" FIBERGLASS SOUND ATTENUATION BLANKET		
METAL STUD FURRING					
H0A			7/8" METAL FURRING CHANNELS @ 16" O.C. W/ 5/8" GYPSUM BOARD, ONE SIDE ONLY. EXTEND GYP. BD. TO 6" ABOVE FINISHED CEILING		
H0B			7/8" METAL FURRING CHANNELS @ 16" O.C. W/ 5/8" GYPSUM BOARD, ONE SIDE ONLY. EXTEND GYP. BD. TO DECK ABOVE		
H3A			3-5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, ONE SIDE ONLY. EXTEND GYP. BD. TO 6" ABOVE FINISHED CEILING		
H3Bi			3-5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, ONE SIDE ONLY. EXTEND GYP. BD. TO DECK ABOVE. FILL CAVITY W/ 3-1/2" FIBERGLASS SOUND ATTENUATION BLANKET		
H3Di			3-5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, ONE SIDE ONLY. EXTEND GYP. BD. TO 44" A.F.F. FILL CAVITY W/ 3-1/2" FIBERGLASS SOUND ATTENUATION BLANKET		

WALL TYPES LEGEND

3 5/8" STUD (1 5/8" FLANGE, L/360, 5psf)	
33 mils	15'-4" High (Max.)
43 mils	16'-8" High (Max.)
54 mils	17'-10" High (Max.)
6" STUD (1 5/8" FLANGE, L/360, 5psf)	
33 mils	22'-8" High (Max.)
43 mils	24'-9" High (Max.)
54 mils	26'-6" High (Max.)

NOTE:
LISTED SIZES ARE MINIMUM REQUIREMENTS BASED ON CEMCO METAL STUDS FRAMING.

CONTRACTOR SHALL PROVIDE MANUFACTURER'S PUBLISHED LIMITING HEIGHT TABLES TO DEMONSTRATE COMPLIANCE WITH MINIMUM STUD SIZE REQUIREMENTS.

WALL TYPES NOTES

1. ALL WALL DIMENSIONS SHOWN ON DRAWINGS ARE TO CENTER OF STUD UNLESS NOTED OTHERWISE.
2. WALL TYPE TO CONTINUE AT DOOR & WINDOW OPENINGS (TOP & BOTTOM) U.N.O.
3. FOR ANY WALL MISSING A WALL TYPE DESIGNATION, PROVIDE WALL TYPE D3Bi
4. WHERE METAL STUD FURRING OCCURS ADJACENT TO A CMU WALL, A COMPLETE SEPARATION BETWEEN WALLS IS REQUIRED. DO NOT ATTACH STUD WALL, FINISH SIDE ELECTRICAL BOXES, CONDUIT, ETC. TO WALL.
5. WHERE FREESTANDING METAL STUD FURRING OCCURS, PROVIDE HORIZONTAL METAL STRAPPING @ 4'-0" O.C. (VERTICALLY)
6. THE INTENT OF ACOUSTICAL PARTITIONS IS TO ACHIEVE AS HIGH AN STC RATING AS POSSIBLE WITHOUT USING ACOUSTICAL SEALANT. RUN GYPSUM BOARD AS TIGHT AS POSSIBLE AT FLOORS, CEILINGS & PENETRATIONS
7. PROVIDE BLOCKING IN WALLS & CEILINGS AS REQUIRED FOR INSTALLATION OF MECH., PLUMB. & ELEC. EQUIP. AND SPECIALTIES
8. STENCIL FIRE-RATED WALLS 6' ABOVE ACCESSIBLE CEILINGS, OR AT TOP OF WALL WHERE NO CEILING IS SCHEDULED, THE FOLLOWING: FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS. REPEAT STENCILING EVERY 30' FOR THE ENTIRE LENGTH OF THE WALL IN 1/2" MIN. HEIGHT LETTERING.
9. USE WATER RESISTANT GYPSUM BOARD "GREEN BOARD" AT ALL LOCATIONS WHERE WALL TYPES CALL FOR GYP. BOARD ADN SPECIFICATIONS DO NOT REQUIRE A DIFFERENT BACKER INCLUDING BUT NOT LIMITED TO RESTROOM WALLS OR WALLS WITH TILE.

SIGNAGE SCHEDULE

DOOR #	COPY TEXT	BRAILLE TEXT	SIGN TYPE
32	STORAGE	STORAGE	S2
34	RESTROOM	RESTROOM	S3
35	RESTROOM	RESTROOM	S3
151A	OFFICE	OFFICE	S2
151B	OFFICE	OFFICE	S2
151C	OFFICE	OFFICE	S2
152A	PRINCIPAL'S OFFICE	PRINCIPAL'S OFFICE	S1
153	COPY/WORK ROOM	COPY/WORK ROOM	S2
154A	ASST. PRINCIPAL'S OFFICE	ASST. PRINCIPAL'S OFFICE	S1
155A	HEALTH	HEALTH	S1
156A	RESTROOM	RESTROOM	S3
158A	CONFERENCE ROOM	CONFERENCE ROOM	S2
158B	CONFERENCE ROOM	CONFERENCE ROOM	S2
159A	COUNSELOR	COUNSELOR	S1
159A	COUNSELOR	COUNSELOR	S1
160A	WELLNESS ROOM	WELLNESS ROOM	S1
161	COUNSELOR	COUNSELOR	S1
162	DATA ROOM	DATA ROOM	S2

GENERAL NOTE:
1. VERIFY SIGNAGE INFORMATION WITH THE OWNER PRIOR TO ORDERING SIGNAGE
2. SEE SHEET A803 FOR SIGNAGE DETAILS.

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REVISIONS:

STATE OF UTAH
VALERIE W. NAGASAWA
261112-0301
01/22/2024
LICENSED ARCHITECT

NOTE - THIS SHEET IS INTENDED TO BE VIEWED IN COLOR

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

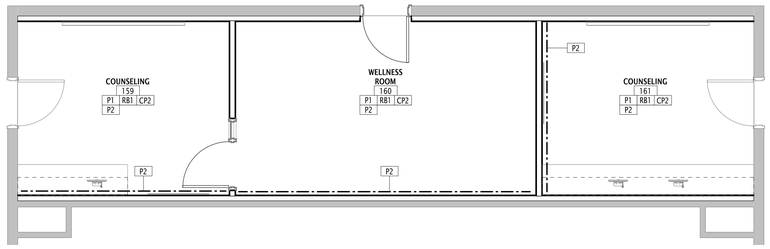
JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

ENLARGED FLOOR PLANS, ROOF PLAN, WALL TYPES & SIGNAGE SCHEDULE

A401 REV



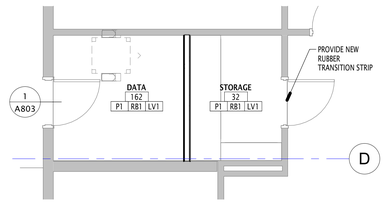
3 / A421 ENLARGED FINISH PLAN - COUNSELING & WELLNESS

1/4" = 1'-0"

2 / A421 ENLARGED FINISH PLAN - MAIN ENTRY & OFFICE

1/4" = 1'-0"

0' 2' 4' 6' 8' 12'
GRAPHIC SCALE



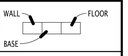
1 / A421 ENLARGED FINISH PLAN - DATA ROOM

1/4" = 1'-0"

0' 2' 4' 6' 8' 12'
GRAPHIC SCALE

PROJECT NORTH

FINISH LEGEND



GENERAL NOTES

1. WHERE CARPET TILE TRANSITIONS TO BROADLOOM CARPET, CENTER FLOORING TRANSITION UNDER DOOR PANEL.
2. IN CLASSROOMS, INSTALL RB1 AT LV1 LOCATIONS AND CB1 AT CP3 LOCATIONS.
3. RUBBER BASE IS NOT REQUIRED TO BE INSTALLED WHERE CMU BLOCK IS THE WALL FINISH. IF RUBBER BASE WAS PREVIOUSLY PROVIDED AT CMU WALL, REPLACE WITH NEW RUBBER BASE. VERIFY IN FIELD.
4. WHERE NEW FLOORING IS MEETING EXISTING FLOORING, PROVIDE APPROPRIATE TRANSITION MATERIALS AS REQUIRED.
5. PREP FLOORING SUBSTRATE AS REQUIRED FOR INSTALLTION OF NEW FLOORING.

FLOOR PATTERN

FT2 LV1

WALL ACCENT

P# DASH DOT LINE REPRESENTS EXTENT OF WALL ACCENT. ASSOCIATED FINISH ABBREVIATION INDICATES FINISH MATERIAL. REFER TO FINISH SCHEDULE.

WALL PROTECTION

CG# SPECIFIED CORNER GUARD. (CALLOUT OF CC TAG MAY INDICATE MULTIPLE CORNER GUARD HEIGHTS)

FINISH LEGEND

-	DESCRIPTION
WALL	
EG1	ENVIRONMENTAL GRAPHIC
P1	GENERAL PAINT
P2	ACCENT PAINT
P3	ACCENT PAINT
WT1	RESTROOM FIELD TILE
WT2	RESTROOM ACCENT TILE
WT3	RESTROOM ACCENT TILE
WT4	WALL TILE
BASE	
CB1	CARPET BASE (OFOI)
RB1	RUBBER BASE
TB1	TILE COVE BASE
FLOOR	
CP1	CARPET TILE (OFOI)
CP2	CARPET TILE (OFOI)
CP3	CARPET BROADLOOM (OFOI)
CP4	WALK-OFF CARPET (OFOI)
FT1	FLOOR TILE MOSAIC
FT2	FLOOR TILE
LV1	LVT
MILLWORK	
PL1	PLASTIC LAMINATE
PL2	PLASTIC LAMINATE
PL3	PLASTIC LAMINATE
PL4	PLASTIC LAMINATE
QZ1	QUARTZ
QZ2	QUARTZ
SU1	SOLID SURFACE
SU2	SOLID SURFACE
TK1	TACKBOARD
WD1	WOOD VENEER
MISC	
P5	HM FRAME PAINT
P6	HM FRAME PAINT, RED
P7	HM FRAME PAINT, GREEN
P8	HM FRAME PAINT, PURPLE
P9	HM FRAME PAINT, BLUE
CEILING	
P4	CEILING PAINT
P6a	CEILING PAINT, RED
P7a	CEILING PAINT, GREEN
P8a	CEILING PAINT, PURPLE
P9a	CEILING PAINT, BLUE

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JORDAN SCHOOL DISTRICT

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OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

ENLARGED FINISH PLANS

A421 REV

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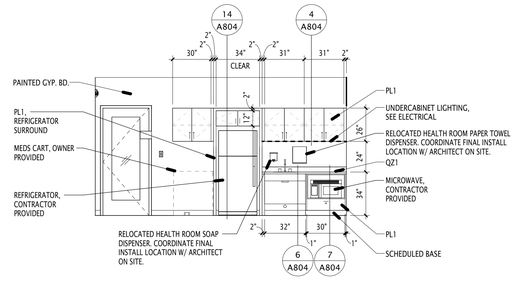
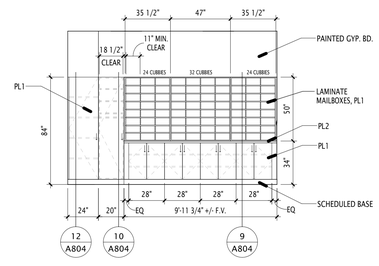
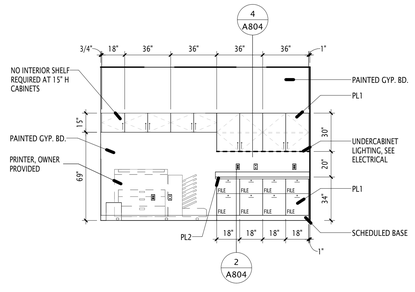


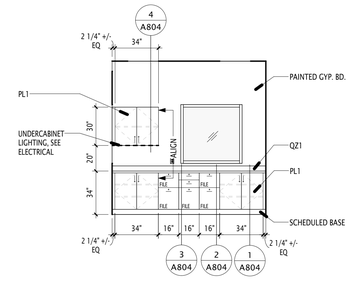
17 A501 155 HEALTH ROOM - SOUTH
1/4" = 1'-0"



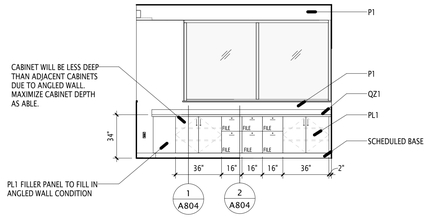
16 A501 153 COPY/WORK ROOM - SOUTH
1/4" = 1'-0"



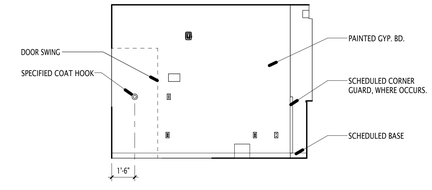
15 A501 153 COPY/WORK ROOM - NORTH
1/4" = 1'-0"



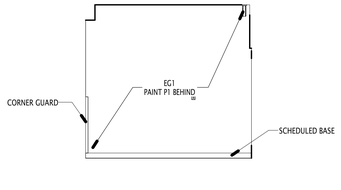
14 A501 154 ASST. PRINCIPAL - EAST
1/4" = 1'-0"



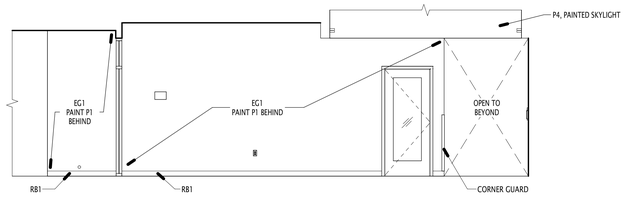
13 A501 152 PRINCIPAL - SOUTH
1/4" = 1'-0"



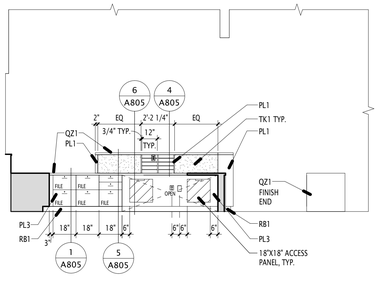
12 A501 152 PRINCIPAL - NORTH
1/4" = 1'-0"



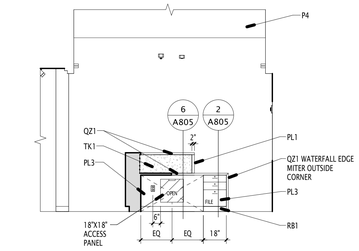
11 A501 151 OPEN OFFICE - WEST
1/4" = 1'-0"



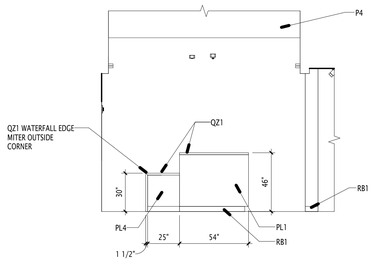
10 A501 151 OPEN OFFICE - NORTH
1/4" = 1'-0"



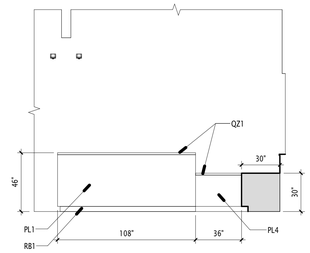
9 A501 SECRETARY - BACK 2
1/4" = 1'-0"



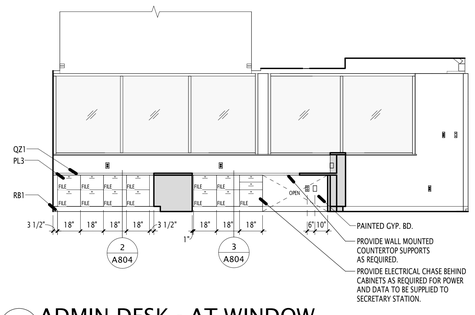
8 A501 SECRETARY - BACK 1
1/4" = 1'-0"



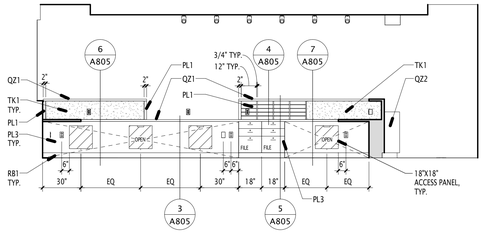
7 A501 SECRETARY - SIDE
1/4" = 1'-0"



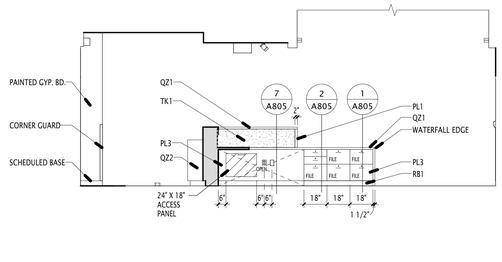
6 A501 SECRETARY - FRONT
1/4" = 1'-0"



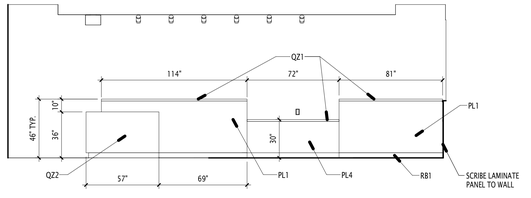
5 A501 ADMIN DESK - AT WINDOW
1/4" = 1'-0"



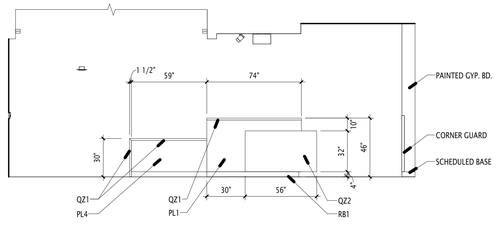
4 A501 ADMIN DESK - BACK 2
1/4" = 1'-0"



3 A501 ADMIN DESK - BACK 1
1/4" = 1'-0"



2 A501 ADMIN DESK - FRONT
1/4" = 1'-0"



1 A501 ADMIN DESK - SIDE
1/4" = 1'-0"

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

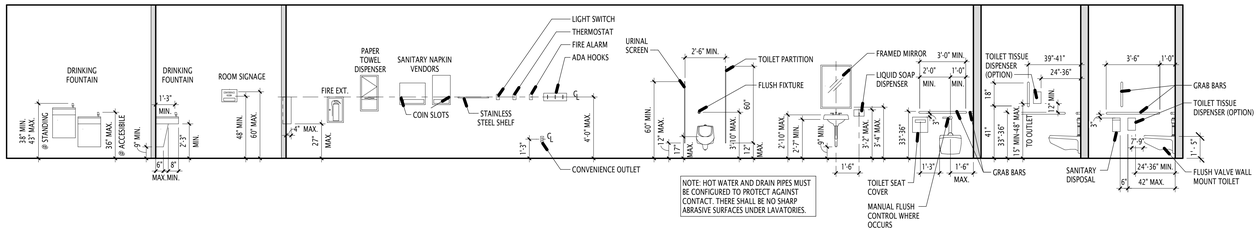
JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

INTERIOR ELEVATIONS

A501 REV



TYP. MOUNTING HEIGHTS -ICC A117.1-2017

TA#	TOILET ROOM ACCESSORIES		
MARK	DESCRIPTION	COMMENTS	FURNISHED / INSTALLED BY
TA1	STAINLESS STEEL GRAB BARS		CONTRACTOR / CONTRACTOR
TA2	TOILET TISSUE DISPENSER	PROVIDE ONE AT EACH TOILET LOCATION	OWNER / CONTRACTOR
TA3	WALL MOUNTED SOAP DISPENSER		OWNER / CONTRACTOR
TA4	1/4" POLISHED PLATE GLASS MIRROR	FRAMED, SIZE PER ELEVATIONS	CONTRACTOR / CONTRACTOR
TA5	SURFACE MOUNTED PAPER TOWEL DISPENSER		OWNER / CONTRACTOR
TA6	SANITARY NAPKIN DISPOSAL UNIT	PROVIDE ONE AT EACH TOILET LOCATION	OWNER / CONTRACTOR
TA7	SURFACE MOUNTED TOILET SEAT COVER DISPENSER		CONTRACTOR / CONTRACTOR

BACKING NOTES

BACKING IS REQUIRED FOR, BUT NOT LIMITED TO ALL OF THE FOLLOWING:

DOOR STOPS
GRAB BARS
TOILET TISSUE DISPENSERS
PAPER TOWEL DISPENSERS
MIRRORS
COAT HOOKS

ALL BACKING SHALL BE 3/4" PLYWOOD SIZED APPROPRIATELY TO SPAN BETWEEN STUDS AND COVER THE ENTIRE SURFACE OF THE OBJECT TO BE MOUNTED. COORDINATE WITH OWNER FOR OWNER PROVIDED ACCESSORIES, SEE SPECIFICATIONS.

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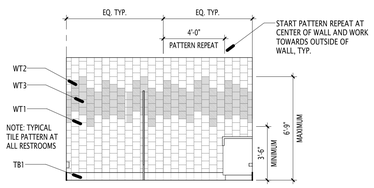
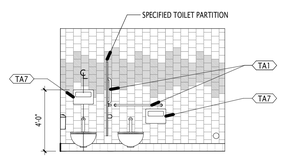
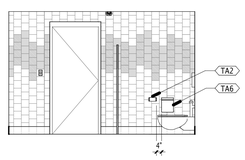
REVISIONS:



12 A502 35 RESTROOM - WEST
1/4" = 1'-0"



11 A502 35 RESTROOM - SOUTH
1/4" = 1'-0"



10 A502 35 RESTROOM - EAST
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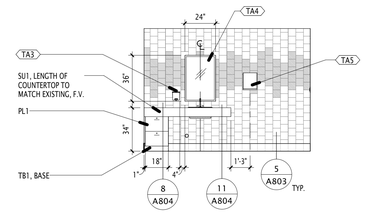

9 A502 35 RESTROOM - NORTH
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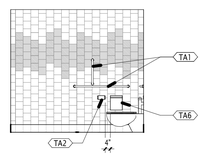

8 A502 34 RESTROOM - WEST
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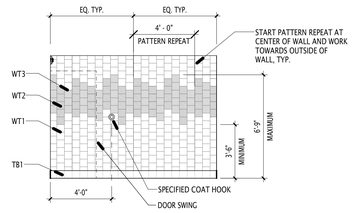
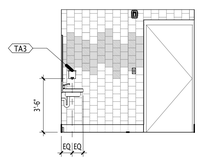
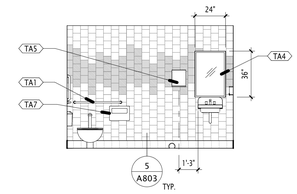


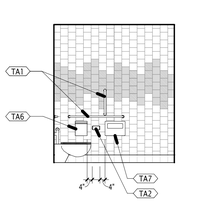
7 A502 34 RESTROOM - SOUTH
1/4" = 1'-0"



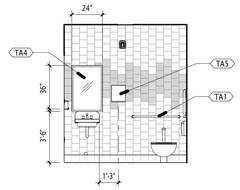
6 A502 34 RESTROOM - EAST
1/4" = 1'-0"



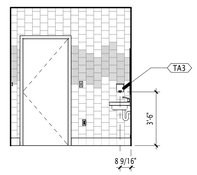
5 A502 34 RESTROOM - NORTH
1/4" = 1'-0"



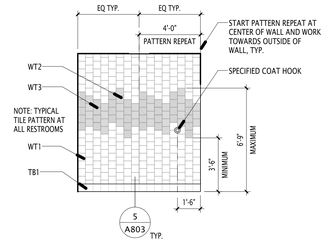
4 A502 156 RESTROOM - WEST
1/4" = 1'-0"



3 A502 156 RESTROOM - SOUTH
1/4" = 1'-0"



2 A502 156 RESTROOM - EAST
1/4" = 1'-0"



1 A502 156 RESTROOM - NORTH
1/4" = 1'-0"

CONSTRUCTION DOCUMENTS

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GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

INTERIOR ELEVATIONS, TOILET ROOM ACCESSORY SCHEDULE

A502 REV

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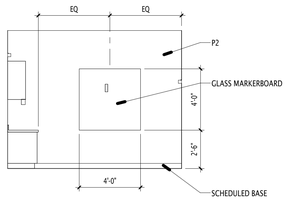
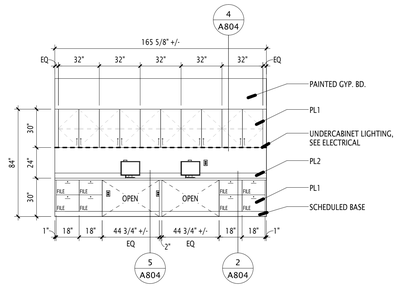
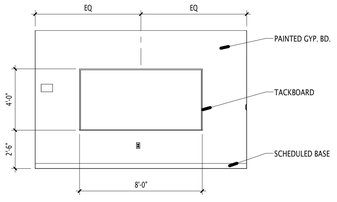
REVISIONS:



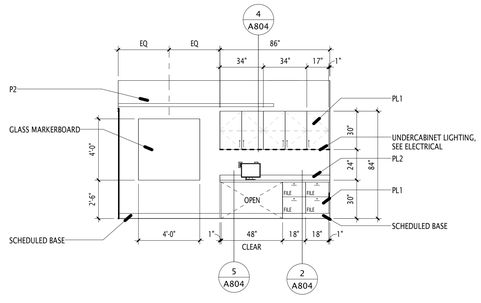
18 A503 161 COUNSELING - WEST
1/4" = 1'-0"



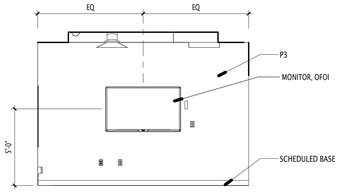
17 A503 161 COUNSELING - SOUTH
1/4" = 1'-0"



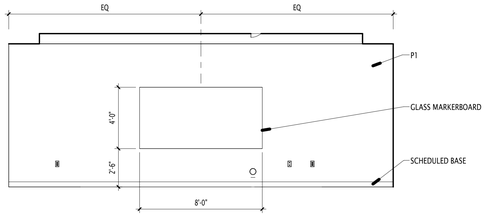
16 A503 161 COUNSELING - NORTH
1/4" = 1'-0"



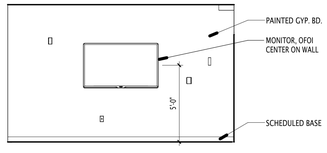
15 A503 159 COUNSELING - SOUTH
1/4" = 1'-0"



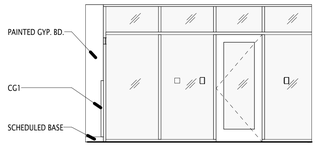
14 A503 158 CONFERENCE - EAST
1/4" = 1'-0"



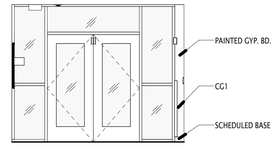
13 A503 158 CONFERENCE - NORTH
1/4" = 1'-0"



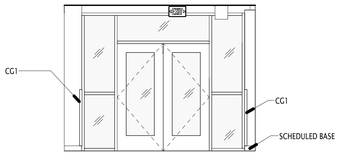
12 A503 150 VESTIBULE - WEST
1/4" = 1'-0"



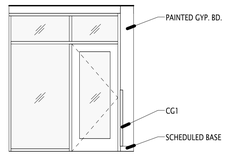
11 A503 150 VESTIBULE - EAST
1/4" = 1'-0"



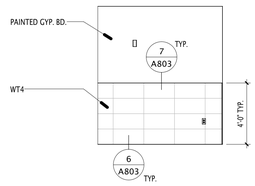
10 A503 150 VESTIBULE - NORTH
1/4" = 1'-0"



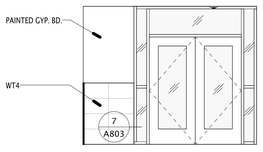
9 A503 43 CORRIDOR - SOUTH
1/4" = 1'-0"



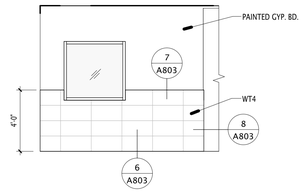
8 A503 43 CORRIDOR - EAST
1/4" = 1'-0"



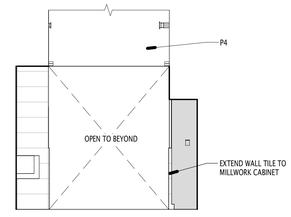
7 A503 24 VESTIBULE - WEST
1/4" = 1'-0"



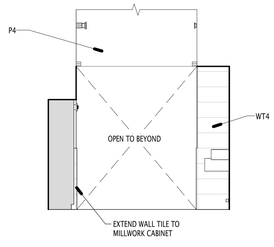
6 A503 24 VESTIBULE - NORTH
1/4" = 1'-0"



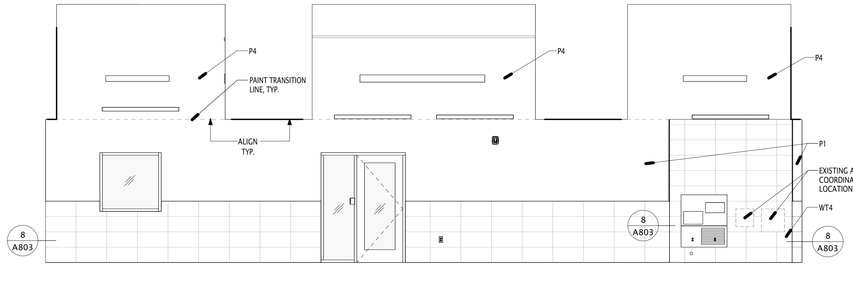
5 A503 23 CORRIDOR - WEST
1/4" = 1'-0"



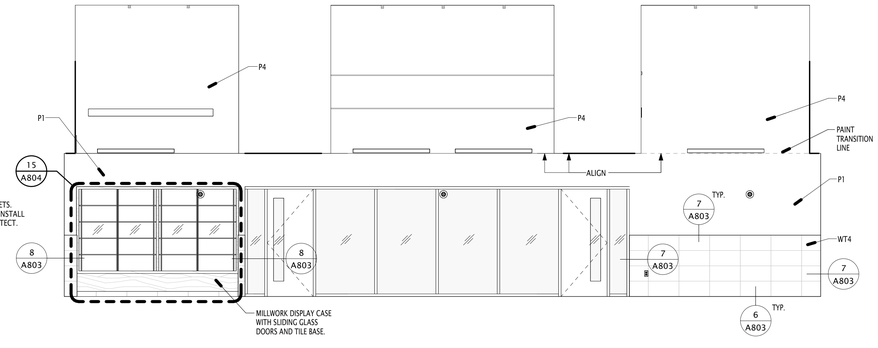
4 A503 157 HALLWAY - WEST
1/4" = 1'-0"



3 A503 157 HALLWAY -EAST
1/4" = 1'-0"



2 A503 157 HALLWAY - SOUTH
1/4" = 1'-0"



1 A503 157 HALLWAY - NORTH
1/4" = 1'-0"

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

INTERIOR ELEVATIONS

A503 REV

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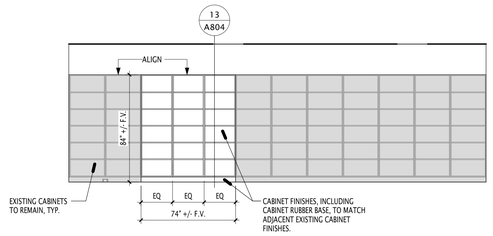
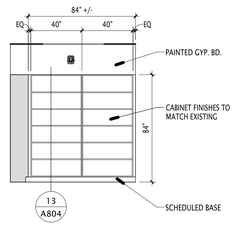
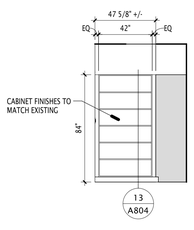
REVISIONS:



3 A504 33 TEACHER WORK ROOM - NORTH
1/4" = 1'-0"



2 A504 32 STORAGE - WEST
1/4" = 1'-0"



1 A504 32 STORAGE - SOUTH
1/4" = 1'-0"

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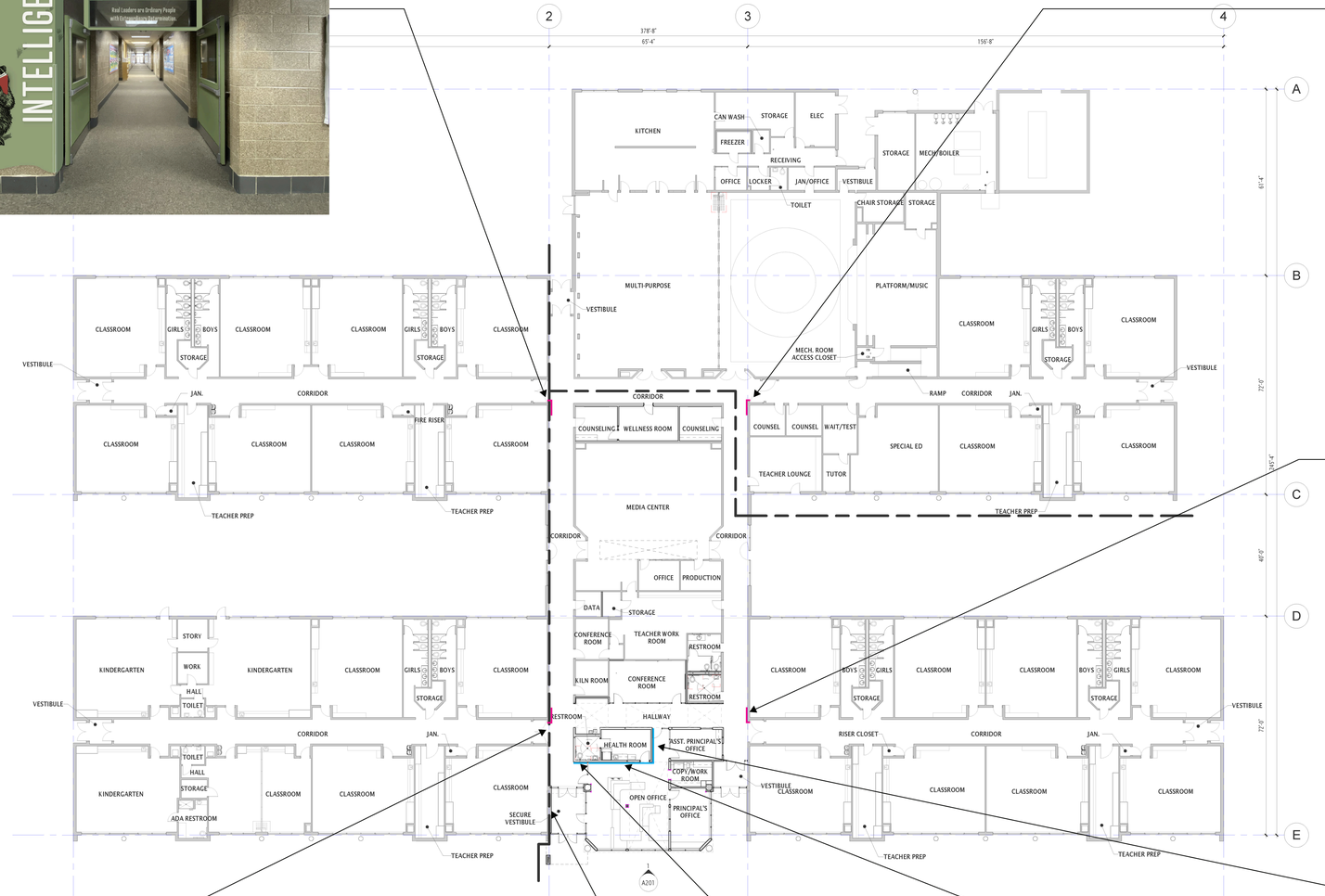
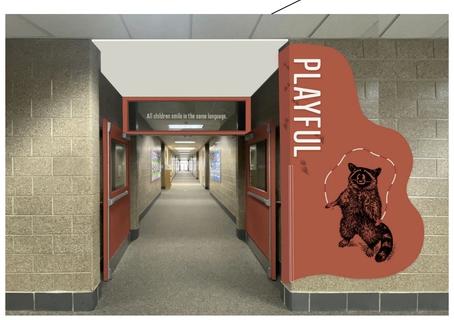
REVISIONS:

P1 - GREEN PORTAL

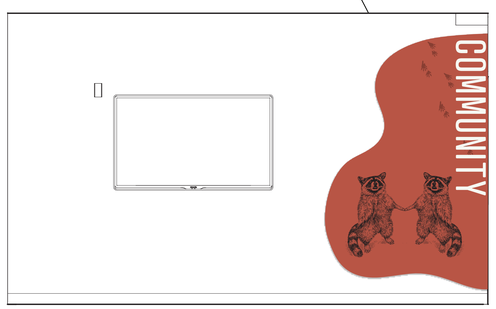
P4 - PURPLE PORTAL



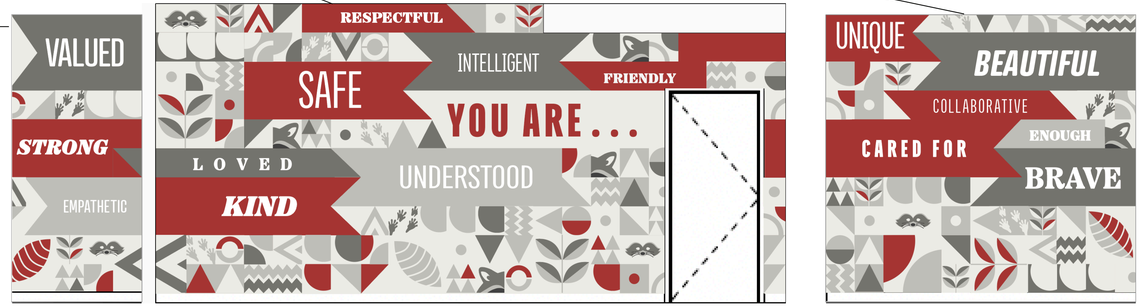
P3 - BLUE PORTAL



P2 -RED PORTAL



P5 -VESTIBULE PORTAL



EG1 - PANEL 1 EG1 - PANEL 2 EG1 - PANEL 3

EG1 - OFFICE WALL GRAPHICS

PORTAL AND GRAPHIC WALL LOCATIONS

NOT TO SCALE

STATE OF UTAH
VALERIE W. NAGASAWA
261112-0301
01/22/2024
LICENSED ARCHITECT

CONSTRUCTION DOCUMENTS

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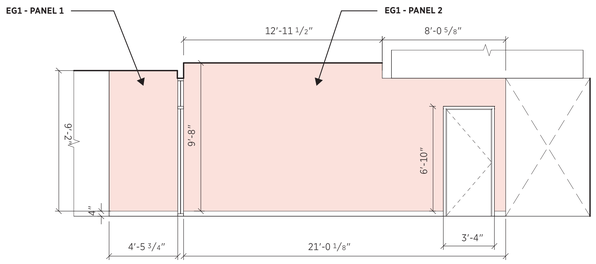
ISSUED DATE:	01/22/2024

WALL GRAPHICS AND PORTAL LOCATIONS

A508 REV

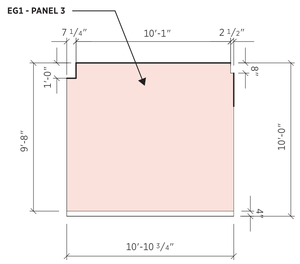
CUSTOM PRINTED WALL COVERING

- PHOTOTEX PRINTABLE SELF ADHESIVE FABRIC WALL COVERING, OR EQUIVALENT
- COLOR: OPAQUE, PRINTED IN FULL COLOR
- MATTE FINISH
- ART FILE TO BE PROVIDED BY THE ARCHITECT
- FIELD VERIFY AS-BUILT DIMENSIONS PRIOR TO PRODUCTION



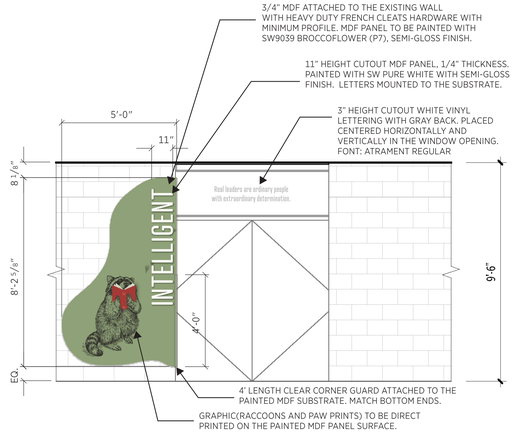
EG1 - WALL GRAPHICS / OPEN OFFICE NORTH WALL

1/4" = 1'



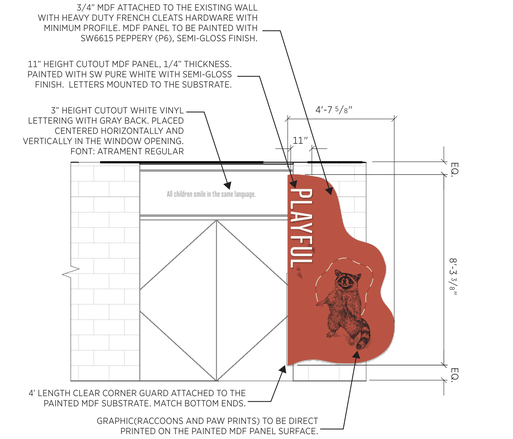
EG1 - WALL GRAPHICS / OPEN OFFICE WEST WALL

1/4" = 1'



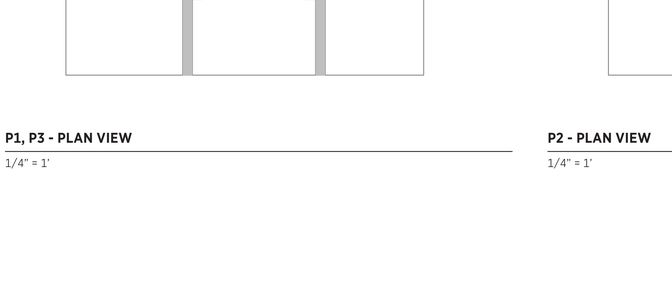
P1 - GREEN PORTAL

3/8" = 1'



P2 - RED PORTAL

3/8" = 1'

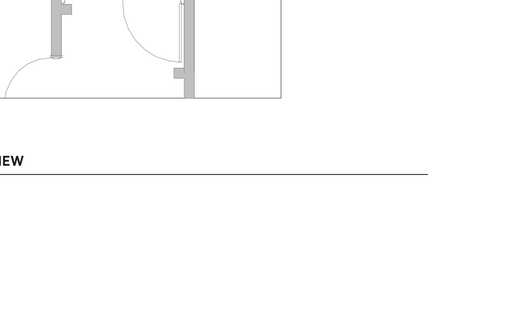


EG1 - WALL GRAPHICS / OPEN OFFICE NORTH WALL

3/8" = 1'

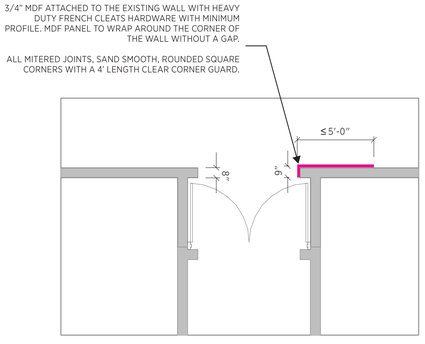
P3 - BLUE PORTAL

3/8" = 1'



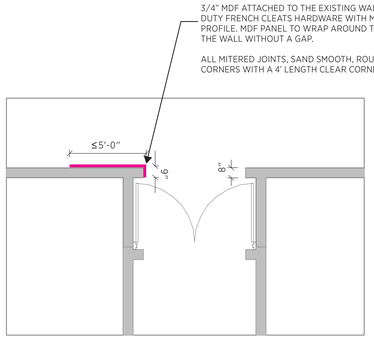
P3 - PURPLE PORTAL

3/8" = 1'



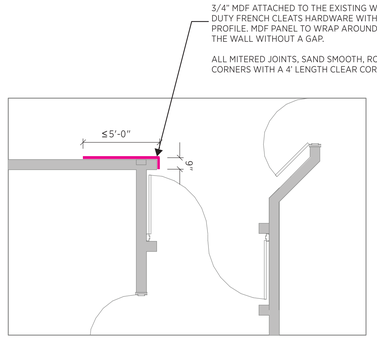
P1, P3 - PLAN VIEW

1/4" = 1'



P2 - PLAN VIEW

1/4" = 1'



P4 - PLAN VIEW

1/4" = 1'

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JORDAN SCHOOL DISTRICT

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ISSUED DATE:	01/22/2024

WALL GRAPHICS AND PORTAL DETAIL

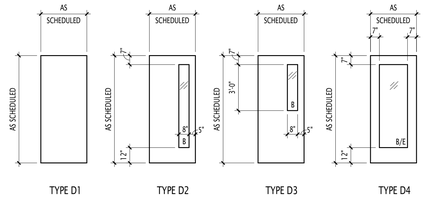
A509 REV

FINISH SCHEDULE

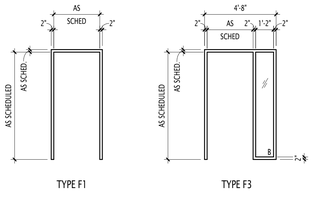
-	DESCRIPTION	MANUFACTURER	PRODUCT NAME / NUMBER	COLOR/ FINISH	SIZE	COMMENTS
WALL						
EG1	ENVIRONMENTAL GRAPHIC	-	-	-	-	SEE ENVIRONMENTAL GRAPHICS PACKAGE. PAINT P1, BEHIND.
P1	GENERAL PAINT	SHERWIN WILLIAMS	SW7005 PURE WHITE	EGGSHELL	N/A	
P2	ACCENT PAINT	BENJAMIN MOORE	1447 AMETHYST SKY	EGGSHELL	N/A	
P3	ACCENT PAINT	SHERWIN WILLIAMS	SW7650 ELLIE GRAY	EGGSHELL	N/A	
WT1	RESTROOM FIELD TILE	DALTILE	COLOR WHEEL CLASSIC	0790 ARCTIC WHITE / MATTE	6" X 6"	
WT2	RESTROOM ACCENT TILE	DALTILE	COLOR WHEEL CLASSIC	X114 DESERT GRAY / SEMI-GLOSS	6" X 6"	
WT3	RESTROOM ACCENT TILE	DALTILE	COLOR WHEEL CLASSIC	0182 SUEDE GRAY / SEMI-GLOSS	6" X 6"	
WT4	WALL TILE	AMERICAN OLEAN	NEOSPECK	NE03 LIGHT GRAY	12" X 24"	
BASE						
CB1	CARPET BASE (OFOI)	MOHAWK GROUP	FACULTY REMIX GL154	989 GREATEST CHARCOAL	4" H	
RB1	RUBBER BASE	ROPPE	PINNACLE	123 CHARCOAL	4" H	
TB1	TILE COVE BASE	DALTILE	COLOR WHEEL CLASSIC	0790 ARCTIC WHITE / MATTE	6" H	
FLOOR						
CP1	CARPET TILE (OFOI)	SHAW CONTRACT	FRENCH KNOT ST517	16761 HERITAGE (50%), 16768 HERITAGE RED (50%)	9" X 36"	
CP2	CARPET TILE (OFOI)	SHAW CONTRACT	FRENCH KNOT ST517	16761 HERITAGE	9" X 36"	
CP3	CARPET BROADLOOM (OFOI)	MOHAWK GROUP	FACULTY REMIX GL154	989 GREATEST CHARCOAL	N/A	
CP4	WALK-OFF CARPET (OFOI)	SHAW CONTRACT	SWIFT TILE ST414	14500 TROT	24" X 24"	
FT1	FLOOR TILE MOSAIC	DALTILE	PORTFOLIO	IRON GREY PF06	2" X 2"	
FT2	FLOOR TILE	AMERICAN OLEAN	NEOSPECK	NE03 LIGHT GRAY	12"X24"	
LV1	LVT	SHAW CONTRACT	CODED 4143V	DESCRIBE 43530	6" X 48"	
MILLWORK						
PL1	PLASTIC LAMINATE	WILSONART	JUBILEE OAK 8242-38	FINE VELVET FINISH	N/A	
PL2	PLASTIC LAMINATE	WILSONART	SHEER MESH 4876-38	FINE VELVET FINISH	N/A	
PL3	PLASTIC LAMINATE	PIONITE	BRIDAL BLANCO AW200SD	TEXTURED/SUEDE	N/A	
PL4	PLASTIC LAMINATE	FORMICA	NEUTRAL WHITE 918-SP	SCULPTED FINISH	N/A	
QZ1	QUARTZ	HANSTONE QUARTZ	TOFINO CL119	POLISHED	2CM THICK	
QZ2	QUARTZ	VIATERA	TENOR	POLISHED	2CM THICK	
SU1	SOLID SURFACE	HANEX SOLID SURFACE	T-500 TOFFEE CRUNCH	N/A	1/2" THICK	
SU2	SOLID SURFACE	FORMICA	757 LUNA SAND	N/A	1/2" THICK	
TK1	TACKBOARD	FORBO	BULLETIN BOARD	2206 OYSTER SHELL	N/A	
WD1	WOOD VENEER	-	WHITE MAPLE / PLAIN SLICE	STAIN / CLEAR	N/A	
MISC						
P5	HM FRAME PAINT	SHERWIN WILLIAMS	SW7674 PEPPERCORN	SEMI-GLOSS	N/A	
P6	HM FRAME PAINT, RED	SHERWIN WILLIAMS	SW6615 PEPPERY	SEMI-GLOSS	N/A	
P7	HM FRAME PAINT, GREEN	SHERWIN WILLIAMS	SW9039 BROCCOFLOWER	SEMI-GLOSS	N/A	
P8	HM FRAME PAINT, PURPLE	SHERWIN WILLIAMS	SW9074 GENTLE GRAPE	SEMI-GLOSS	N/A	
P9	HM FRAME PAINT, BLUE	SHERWIN WILLIAMS	SW9061 REST ASSURED	SEMI-GLOSS	N/A	
CEILING						
P4	CEILING PAINT	SHERWIN WILLIAMS	SW7757 HIGH REFLECTIVE WHITE	FLAT	N/A	
P6a	CEILING PAINT, RED	SHERWIN WILLIAMS	SW6615 PEPPERY	FLAT	N/A	
P7a	CEILING PAINT, GREEN	SHERWIN WILLIAMS	SW9039 BROCCOFLOWER	FLAT	N/A	
P8a	CEILING PAINT, PURPLE	SHERWIN WILLIAMS	SW9074 GENTLE GRAPE	FLAT	N/A	
P9a	CEILING PAINT, BLUE	SHERWIN WILLIAMS	SW9061 REST ASSURED	FLAT	N/A	

DOOR SCHEDULE

DOOR NUMBER	DOOR: PANELS	DOOR: WIDTH	DOOR: HEIGHT	DOOR: TYPE	DOOR: MATERIAL/ FINISH	DOOR: HARDWARE	FRAME: HEAD HEIGHT	FRAME: TYPE	FRAME: MATERIAL/ FINISH	DETAILS: DOOR HEAD	DETAILS: DOOR JAMB	DETAILS: DOOR THRESHOLD	POWERED	REMARKS	DOOR NUMBER
24A	PR	3' - 0"	7' - 0"	D4	ALUM / CLR	AL03		SEE ELEV	ALUM / CLR			ALUM	✓		24A
24B	PR	3' - 0"	7' - 0"	D4	ALUM / CLR	AL04		SEE ELEV	ALUM / CLR			ALUM			24B
150A	PR	3' - 0"	7' - 0"	D4	ALUM / CLR	AL01		SEE ELEV	ALUM / CLR			ALUM	✓	CARD READER, ADA	150A
150B	PR	3' - 0"	7' - 0"	D4	ALUM / CLR	AL02		SEE ELEV	ALUM / CLR			ALUM	✓	CARD READER, ADA	150B
151A	SNGL	3' - 0"	7' - 0"	D4	ALUM / CLR	AL05		SEE ELEV	ALUM / CLR			ALUM	✓	CARD READER, INTERCOM	151A
151B	SNGL	3' - 0"	7' - 0"	D4	ALUM / CLR	AL06		SEE ELEV	ALUM / CLR			ALUM	✓	CARD READER, REMOTE RELEASE	151B
151C	SNGL	3' - 0"	7' - 0"	D4	WD / STN	06		SEE ELEV	HM / PNT				✓	CARD READER	151C
152A	SNGL	3' - 0"	7' - 0"	D3	WD / STN	02		SEE ELEV	HM / PNT						152A
154A	SNGL	3' - 0"	7' - 0"	D3	WD / STN	02		SEE ELEV	HM / PNT						154A
155A	SNGL	3' - 0"	7' - 0"	D4	WD / STN	02	2"	F1	HM / PNT						155A
156A	SNGL	3' - 0"	7' - 0"	D1	WD / STN	01	2"	F1	HM / PNT						156A
158A	SNGL	3' - 0"	7' - 0"	D2	WD / STN	03		SEE ELEV	HM / PNT						158A
158B	SNGL	3' - 0"	7' - 0"	D2	WD / STN	03		SEE ELEV	HM / PNT						158B
159A	SNGL	3' - 0"	7' - 0"	D3	WD / STN	04	2"	F3	HM / PNT						159A
160A	SNGL	3' - 0"	7' - 0"	D3	WD / STN	05	4"	F1	HM / PNT						160A



DOOR TYPES



FRAME TYPES

DOOR NUMBER REFERS TO REFERENCE DOOR MARK ON FLOOR PLANS
PANEL INDICATES THE TYPE OF DOOR PANEL(S)
SNGL-SINGLE PANEL SEC - SECTIONAL DOOR
PR - PAIR OF DOORS IN ONE FRAME OC -OVERHEAD COILING DOOR
WIDTH INDICATES THE FINISHED DOOR PANEL WIDTH
HEIGHT INDICATES THE FINISHED DOOR PANEL HEIGHT
THICKNESS INDICATES FINISHED PANEL THICKNESS
TYPE INDICATES DOOR PANEL TYPE. SEE DOOR PANEL ELEVATIONS
MATERIAL/ FINISH INDICATES DOOR PANEL MATERIAL & FINISH
HM - HOLLOW METAL PNT - PAINT
WD - SOLID CORE WOOD STN - STAIN (FACTORY)
ALUM - ALUMINUM CLR - ANODIZED
STL- STEEL BY MFR - BY MANUFACTURER
HARDWARE INDICATES DOOR HARDWARE SET. REFER TO SPECIFICATIONS
HEAD HEIGHTINDICATES HEIGHT OF FRAME HEAD
TYPE INDICATES DOOR PANEL TYPE. SEE DOOR FRAME ELEVATIONS
MATERIAL/FINISH INDICATES FRAME MATERIAL & FINISH
HM - HOLLOW METAL PNT - PAINT
ALUM - ALUMINUM CLR - ANODIZED
STL- STEEL BY MFR - BY MANUFACTURER
OPENING RATING INDICATES REQUIRED FIRE RATING FOR DOOR IN MINUTES
HEAD HEIGHTINDICATES HEIGHT OF FRAME HEAD
POWERED SYMBOL INDICATES DOOR REQUIRES POWER. REFER TO SPECIFICATIONS
REMARKS ANY SPECIAL CONDITIONS REQUIRED

GLAZING LEGEND
B- 1/4" CLEAR TEMPERED GLASS
E- 1" INSULATED TEMPERED GLASS
S- 1" INSULATED TEMPERED SPANDREL GLASS
FRAME LEGEND
SF- STORE FRONT FRAME
W- HOLLOW METAL FRAME

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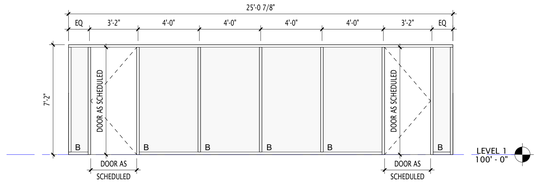
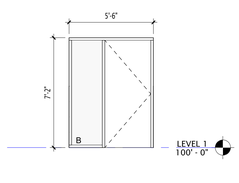


W06



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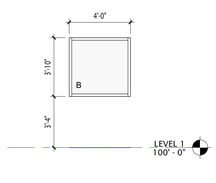

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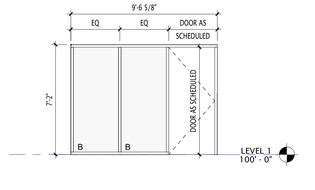

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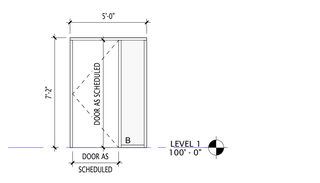

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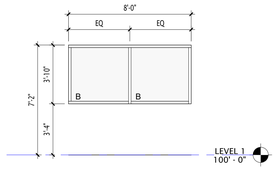
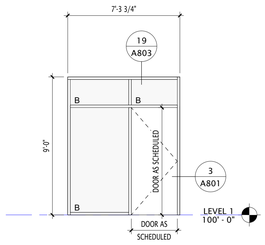


W01



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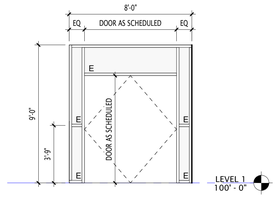

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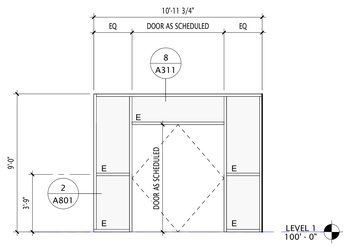

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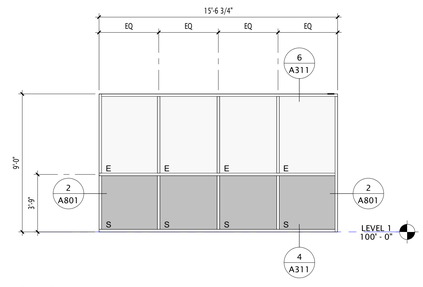

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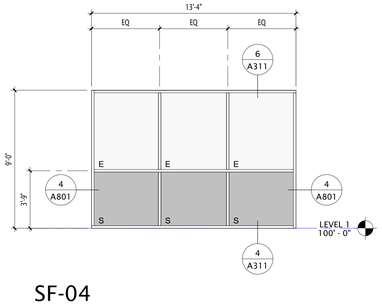

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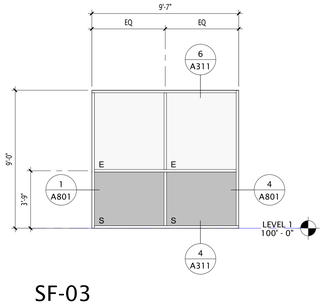

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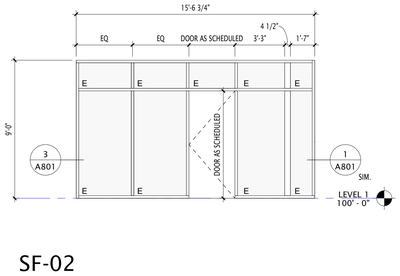

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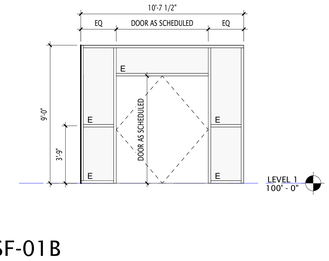
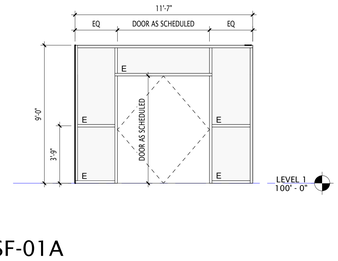


SF-01B



SF-01A

CONSTRUCTION DOCUMENTS

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WEST JORDAN, UT 84088

OWNER PROJECT NO.:
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

DOOR, WINDOW, FINISHES SCHEDULES

A601 REV

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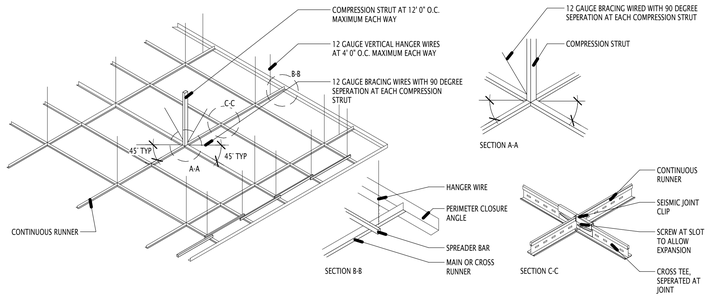
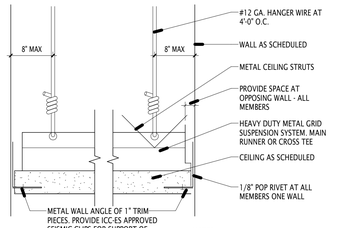
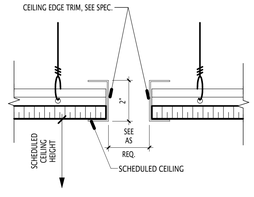


16 A801 ACOUSTIC CEILING SEISMIC JOINT
1 1/2" = 1'-0"

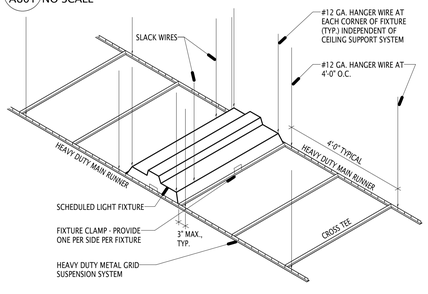


NOTES:
1. ALL HANGER WIRES TO BE IN LINE WITH ATTACHED COMPONENT OR SHALL BE COUNTER SLOPED NOT GREATER THAN 1/6
2. ALL HANGER WIRES TO BE TAUT AND TIED BOTH ENDS W/ MIN. OF 4 TURNS IN 1" OF RUN.

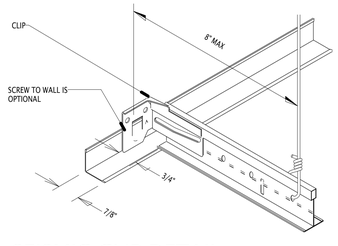
15 A801 SEISMIC EDGE DETAIL
6" = 1'-0"



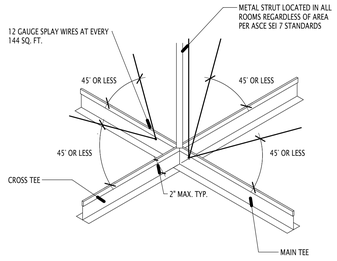
14 A801 ACOUSTICAL CEILING DETAIL
NO SCALE



13 A801 TYP. FIXTURE SUPPORT ISO.
1/2" = 1'-0"



12 A801 SEISMIC CLIP DETAIL
12" = 1'-0"



NOTE 1- ALL SPLAY WIRES TO BE IN LINE WITH ATTACHED COMPONENT

NOTE 2- ALL SPLAY WIRES TO BE TAUT AND TIED BOTH ENDS WITH MINIMUM OF THREE TURNS IN 1" OF RUN.

NOTE 3- COMPLY WITH IBC STANDARDS, IBC 808.1.1.1, IBC 1613.1, ASTM C635, ASTM C 636, AND ASCE 7-10

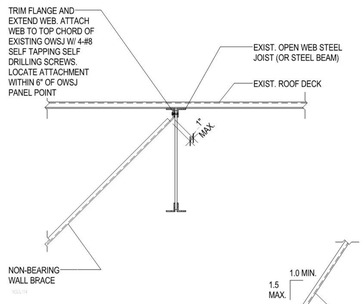
NOTE 4- SPLAY WIRES SHALL ATTACH TO STRUCTURAL GIRDER OR JOIST ONLY, DO NOT ATTACH TO ROOF DECK.

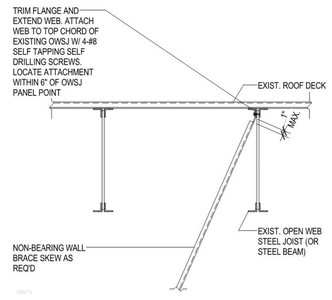
NOTE 5- METAL STRUT FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THE STRUT SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES.

NOTE 6- ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. WHEN HEAVY SYSTEMS ARE USED, ATTACH NO. 12 GAGE HANGERS TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE. LIGHT FIXTURES WEIGHING LESS THAN 56 LBS. SHALL HAVE TWO NO. 12 GAGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. COMPLY WITH IBC STANDARDS.

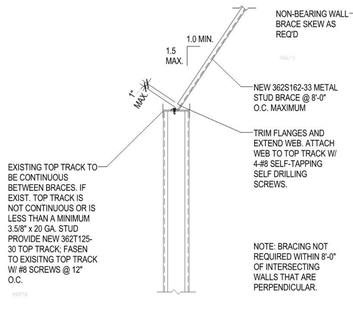
NOTE 7: CEILING-MOUNTED AIR TERMINALS WEIGHING LESS THAN 20 LBS. SHALL BE POSITIVELY ATTACHED TO THE CEILING. SUSPENSION MAIN RUNNERS. TERMINALS OR SERVICES WEIGHING 20 LBS., BUT NOT MORE THAT 56 LBS., SHALL IN ADDITION HAVE TWO NO. 12 GAGE HANGERS CONNECTED TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. TERMINALS OR SERVICES WEIGHING MORE THAN 56 LBS. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS. COMPLY WITH IBC STANDARDS

11 A801 TYP. SEISMIC CEILING BRACING
1 1/2" = 1'-0"

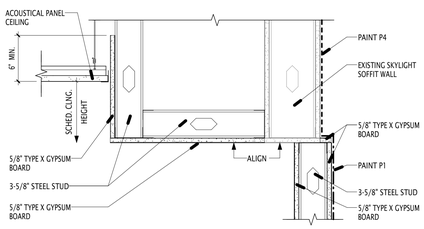




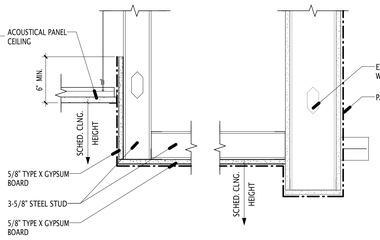
10 A801 WALL BRACING DETAILS
3" = 1'-0"

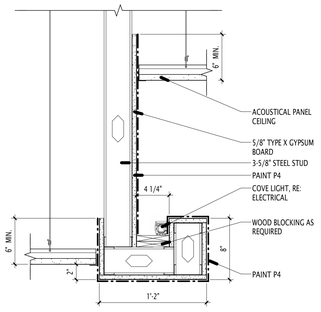


9 A801 SOFFIT @ CONFERENCE ROOM
1 1/2" = 1'-0"

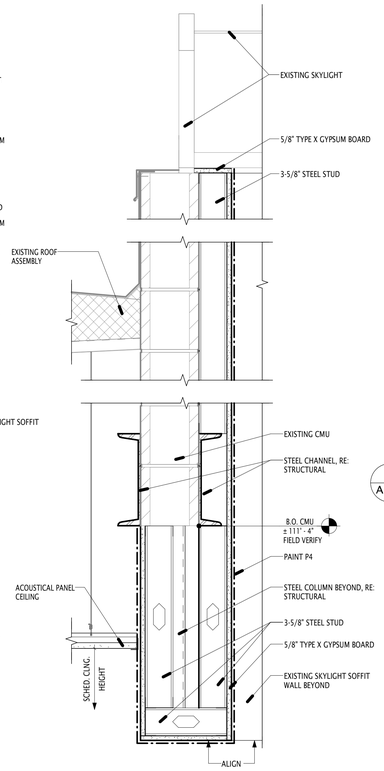


8 A801 SOFFIT @ OPEN OFFICE
1 1/2" = 1'-0"

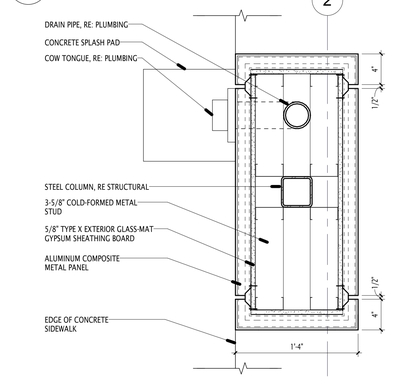




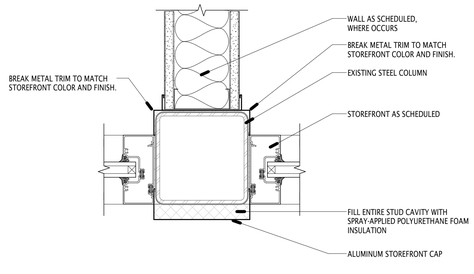
7 A801 COVE LIGHT DETAIL
1 1/2" = 1'-0"



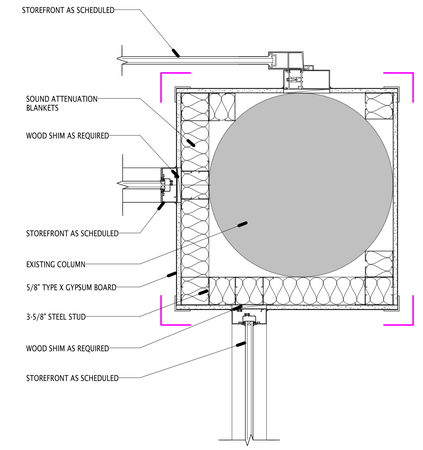
6 A801 SKYLIGHT DROP SOFFIT DETAIL
1 1/2" = 1'-0"



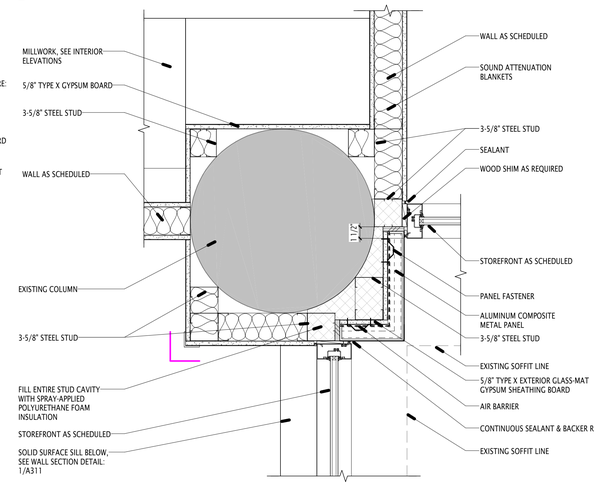
5 A801 CANOPY COLUMN DETAIL
1 1/2" = 1'-0"



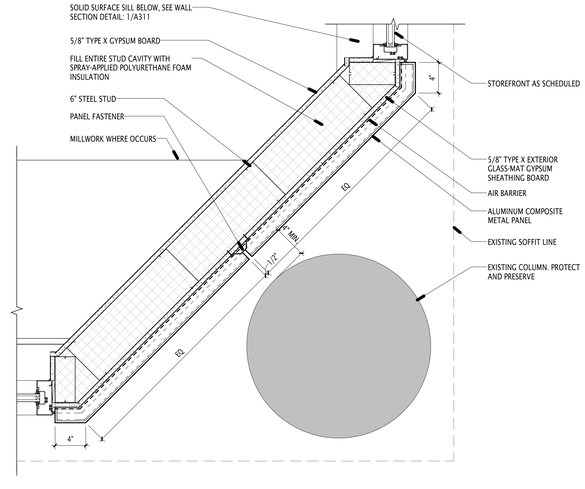
4 A801 COLUMN DETAIL D
3" = 1'-0"



3 A801 COLUMN DETAIL C
1 1/2" = 1'-0"



2 A801 COLUMN DETAIL B
1 1/2" = 1'-0"



1 A801 COLUMN DETAIL A
1 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

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JORDAN SCHOOL DISTRICT

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OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

PLAN AND CEILING DETAILS

A801 REV

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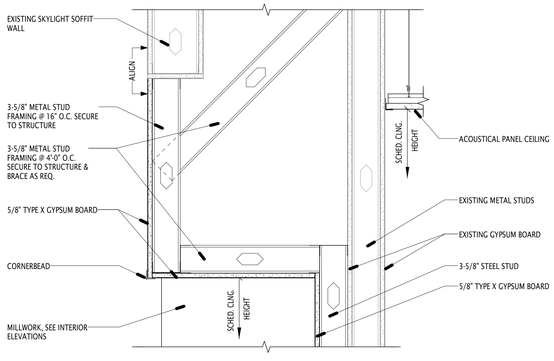
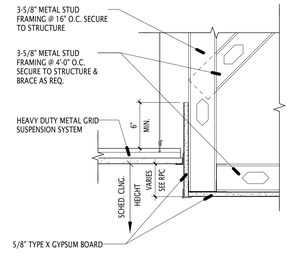
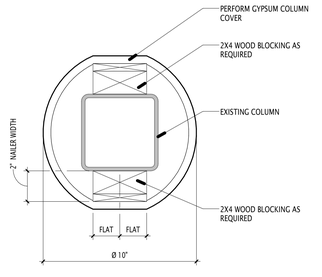


3 A802 SOFFIT @ DISPLAY CASE
1 1/2" = 1'-0"



2 A802 SUSPENDED CEILING TO GYP
1 1/2" = 1'-0"



1 A802 COLUMN WRAP @
OPEN OFFICE DETAIL
3" = 1'-0"

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ISSUED DATE: 01/22/2024

PLAN AND CEILING DETAILS

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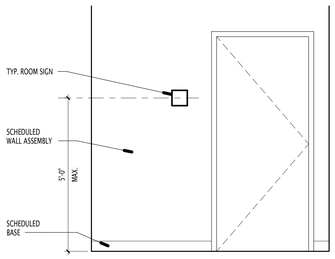
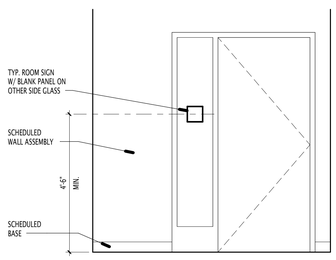
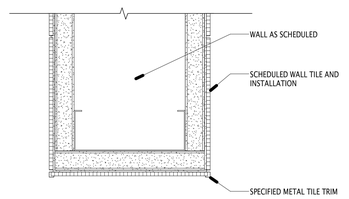


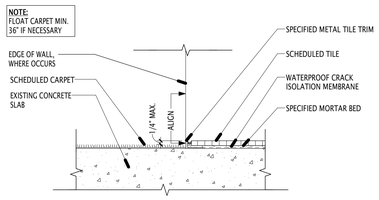
16 A803 TYP. SIGNAGE MOUNTING HT.
1/2" = 1'-0"



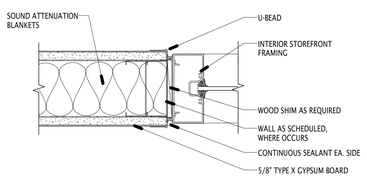
12 A803 TYP. SIGNAGE MOUNTING HT. W/ SIDELIGHT
1/2" = 1'-0"



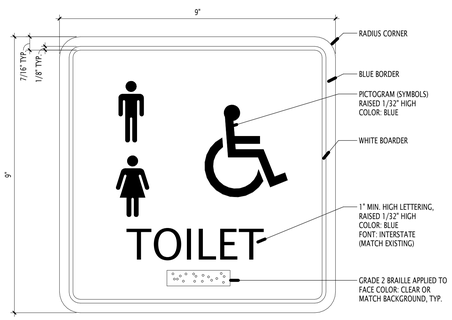
8 A803 TILE AT ENDWALL
6" = 1'-0"



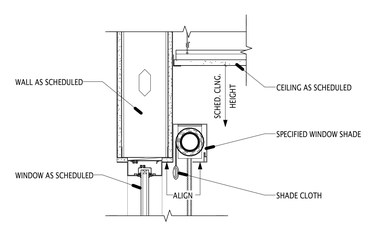
4 A803 CARPET - TILE
3" = 1'-0"



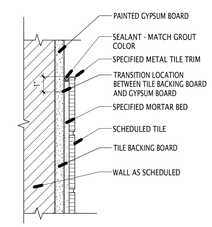
19 A803 INTERIOR STOREFONT HEAD/JAMB @ GYP BD.
3" = 1'-0"



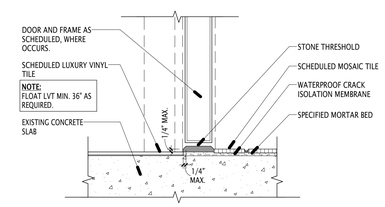
15 A803 SIGN S3
6" = 1'-0"



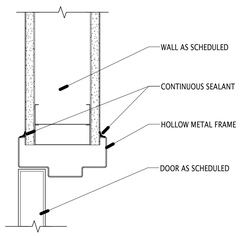
11 A803 WINDOW SHADE - WALL MOUNTED
1 1/2" = 1'-0"



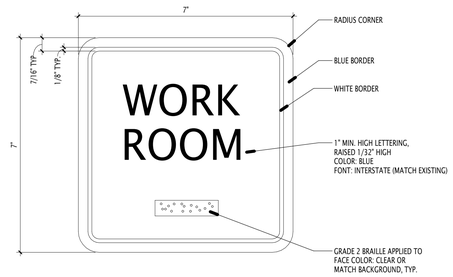
7 A803 WALL TILE @ EXPOSED EDGE
3" = 1'-0"



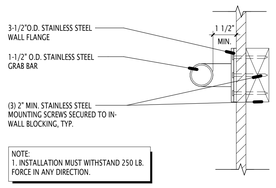
3 A803 LVT - MOSAIC TILE
3" = 1'-0"



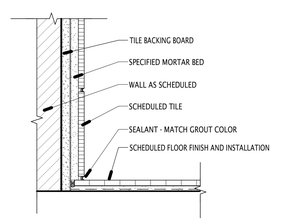
18 A803 HM DOOR HEAD @ GYP. BD.
3" = 1'-0"



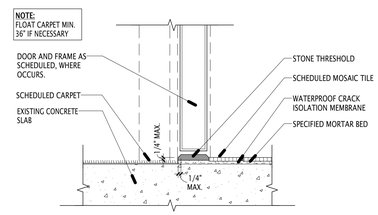
14 A803 SIGN S2
6" = 1'-0"



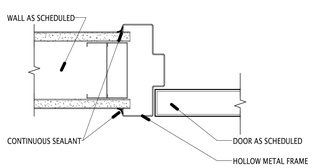
10 A803 STANDARD-GRAB BAR DETAIL
3" = 1'-0"



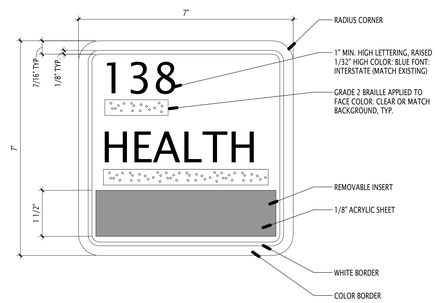
6 A803 WALL TILE BASE
3" = 1'-0"



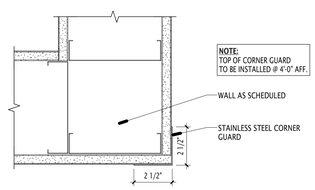
2 A803 CARPET - MOSAIC TILE
3" = 1'-0"



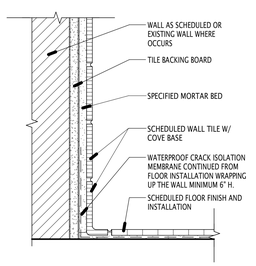
17 A803 HM DOOR JAMB @ GYP BD.
3" = 1'-0"



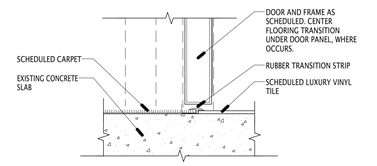
13 A803 SIGN S1
6" = 1'-0"



9 A803 TYP. CORNER GUARD DETAIL
3" = 1'-0"



5 A803 TILE COVE BASE @ TILE WALL
3" = 1'-0"



1 A803 CARPET - LVT
3" = 1'-0"

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

DOOR AND WINDOWS & INTERIOR DETAILS

A803 REV

GSBS ARCHITECTS
375 WEST 200
SALT LAKE CITY, UT
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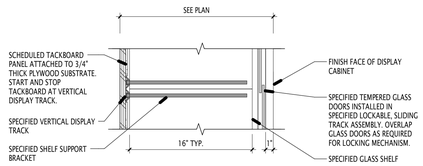
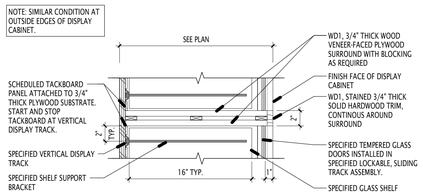
F 801.521.791
www.gsbsarchitects.co

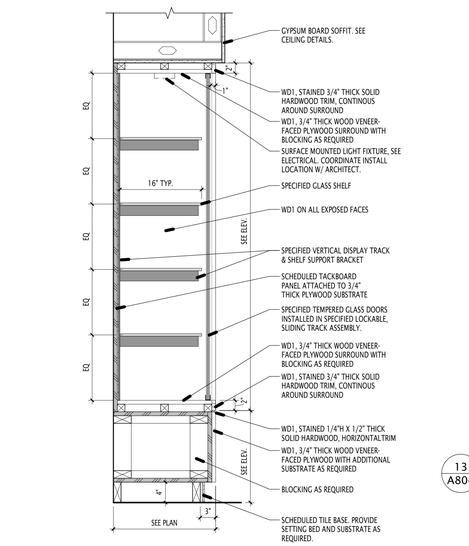
REVISIONS:



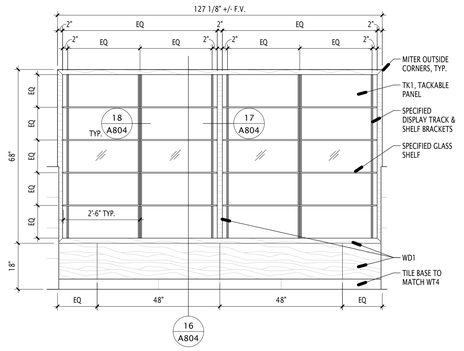
18 A804 DISPLAY CASE @ VERTICAL TRACK
1 1/2" = 1'-0"



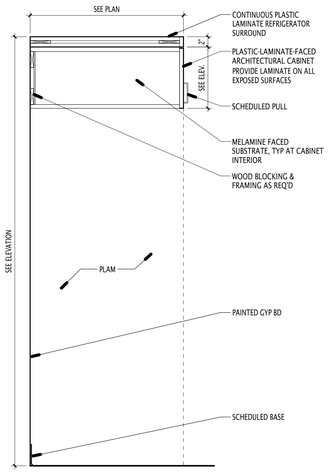
17 A804 DISPLAY CASE DIVIDER
1 1/2" = 1'-0"



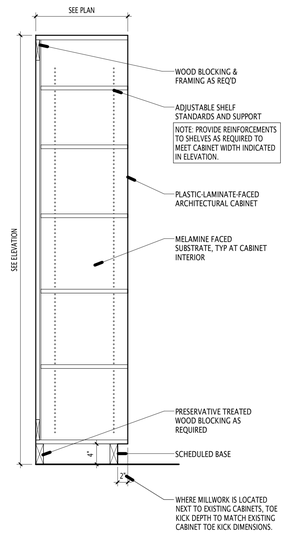
16 A804 DISPLAY CASE
1" = 1'-0"



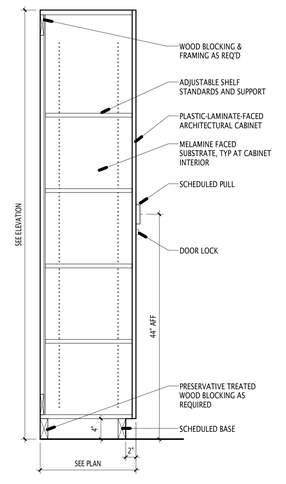
15 A804 DISPLAY CASE ELEVATION
1/2" = 1'-0"



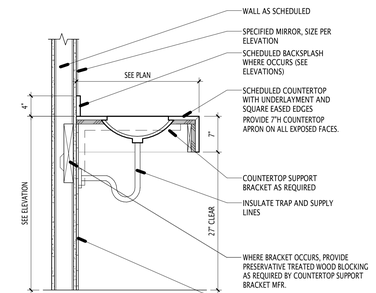
14 A804 REFRIGERATOR CABINET
1" = 1'-0"



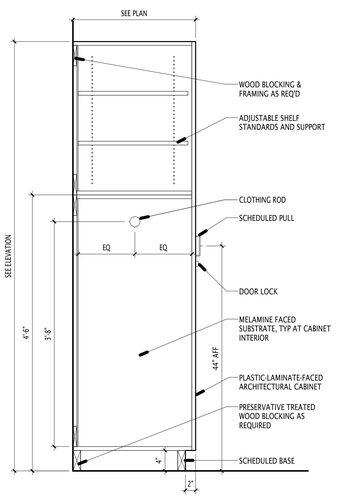
13 A804 TALL STORAGE OPEN
1" = 1'-0"



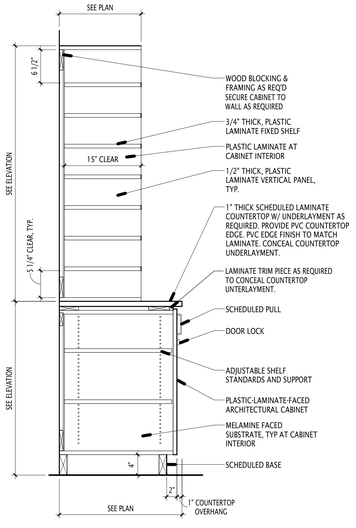
12 A804 TALL STORAGE
1" = 1'-0"



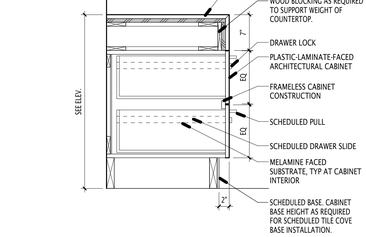
11 A804 RESTROOM COUNTERTOP
1" = 1'-0"



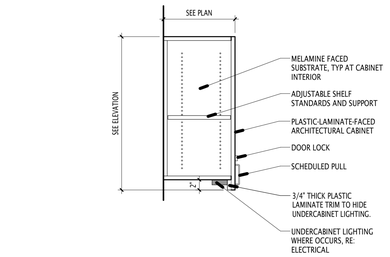
10 A804 COAT CLOSET & STORAGE CABINET
1" = 1'-0"



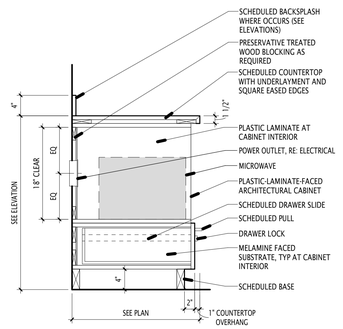
9 A804 MAILBOX & STORAGE
1" = 1'-0"



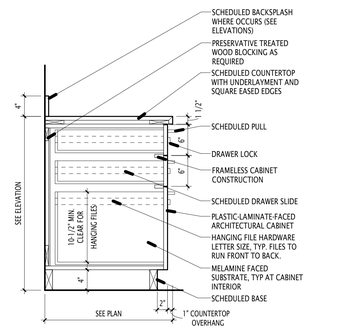
8 A804 BASE CABINET - RESTROOM
1" = 1'-0"



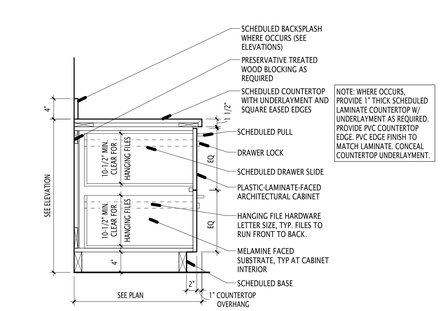
4 A804 UPPER CABINET
1" = 1'-0"



7 A804 BASE CABINET - MICROWAVE
1" = 1'-0"



3 A804 BASE CABINET - 3 DRAWER
1" = 1'-0"



6 A804 KNEE SPACE @ SINK
1" = 1'-0"

2 A804 BASE CABINET - 2 DRAWER
1" = 1'-0"

5 A804 BASE CABINET - KNEE SPACE
1" = 1'-0"

1 A804 BASE CABINET - FULL DOORS
1" = 1'-0"

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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JORDAN SCHOOL DISTRICT

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OWNER PROJECT NO.:
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

MILLWORK DETAILS

A804 REV

GSBS ARCHITECTS

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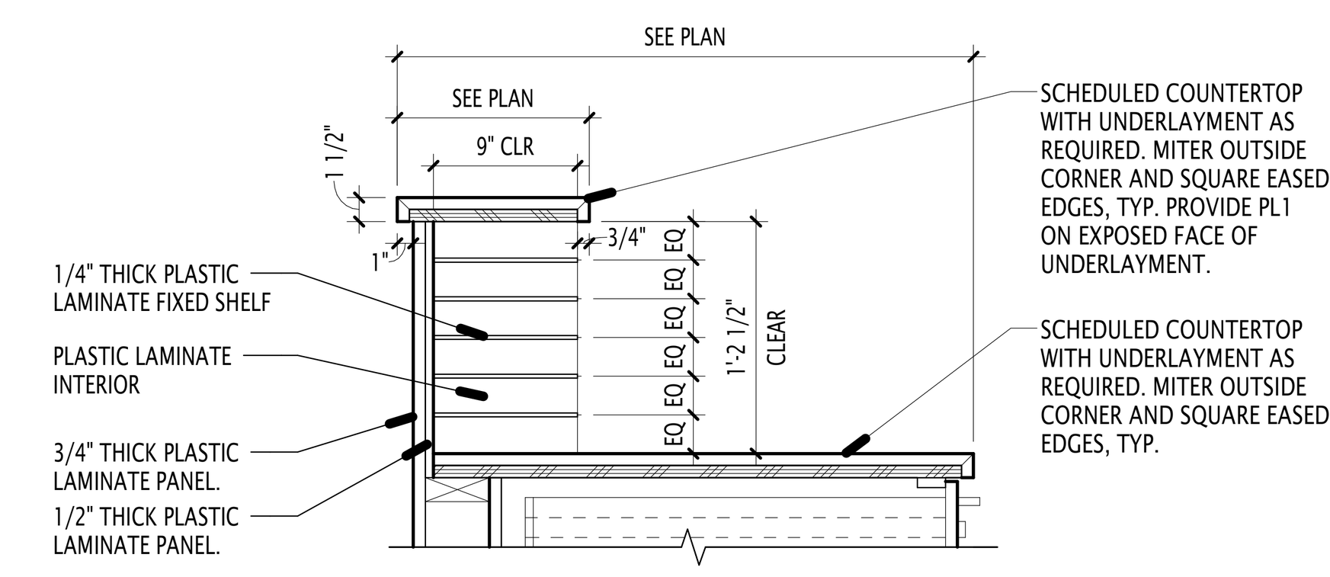
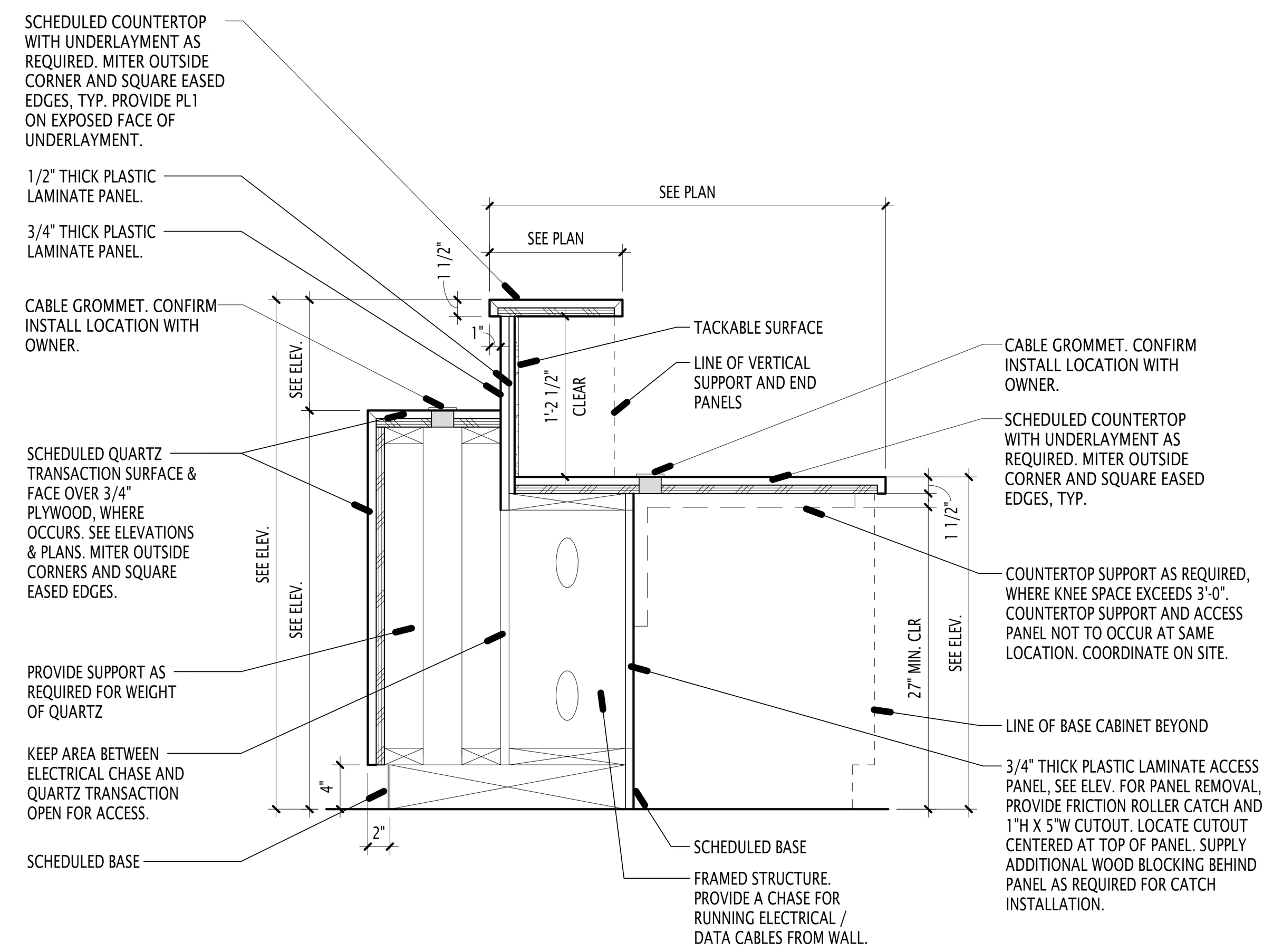
REVISIONS:

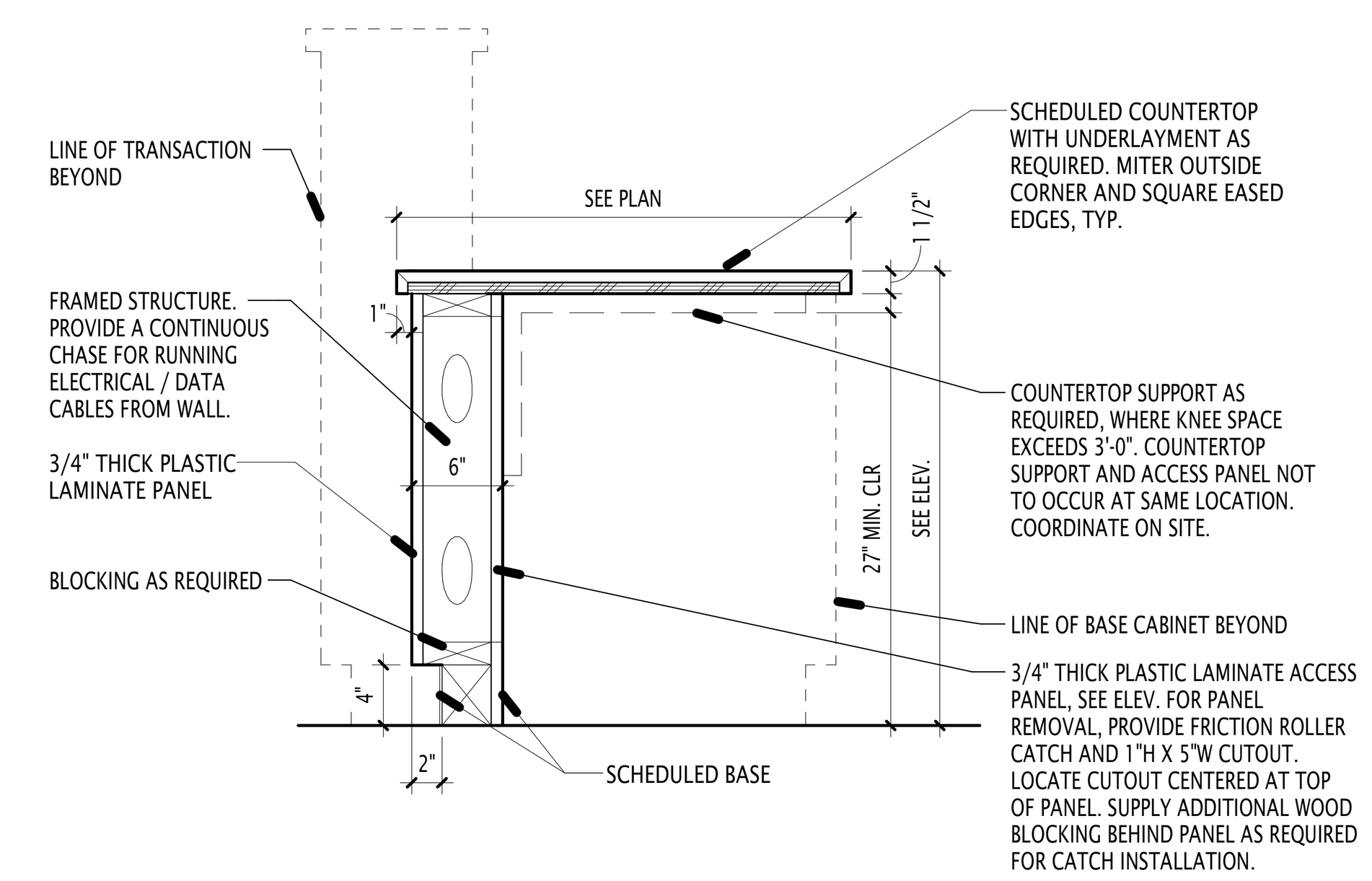
VALERIE W. NAGASAWA 261112-0301 01/22/2024 STATE OF UTAH LICENSED ARCHITECT



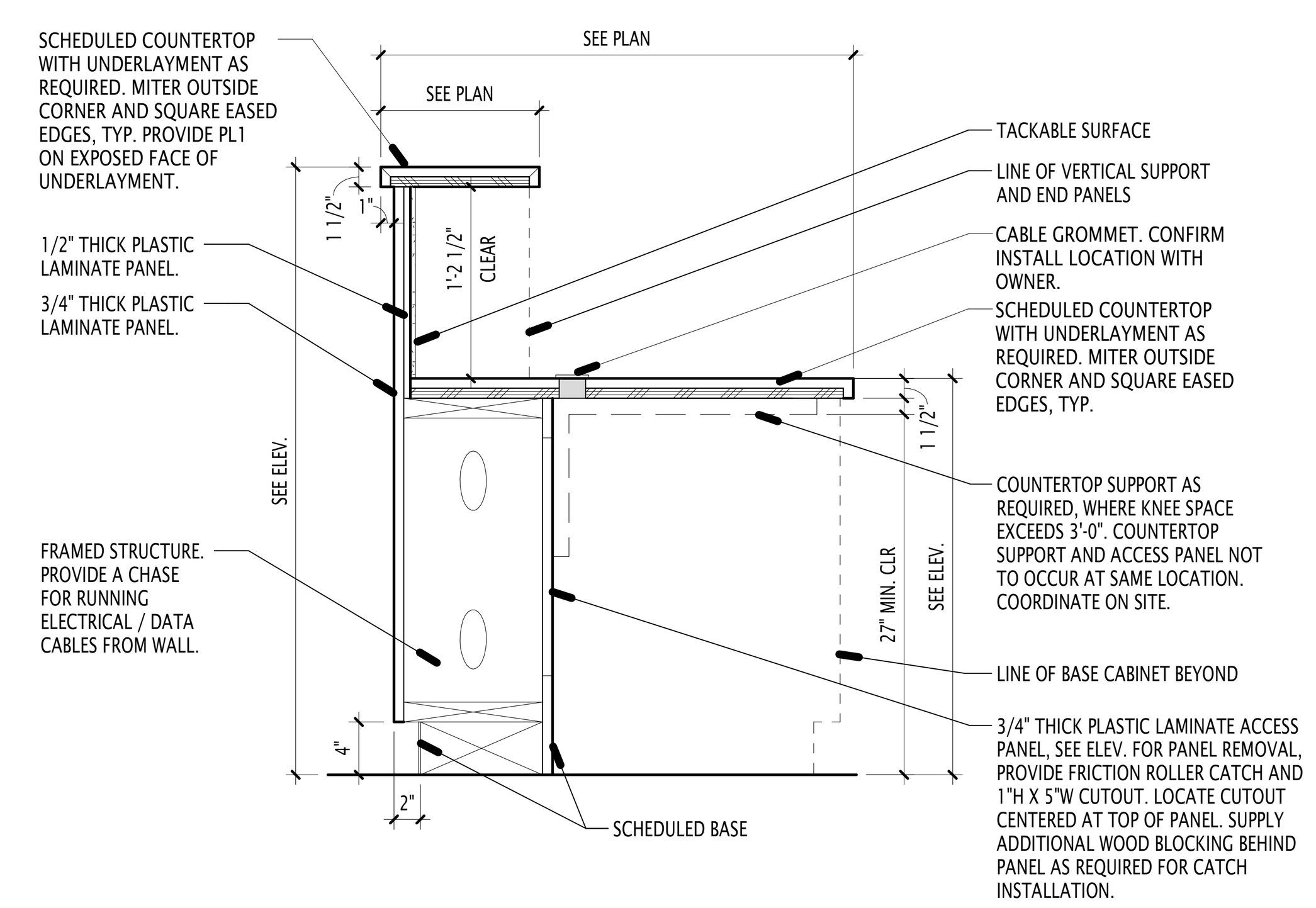
4 ADMIN DESK @ CUBBIES
A805 1" = 1'-0"



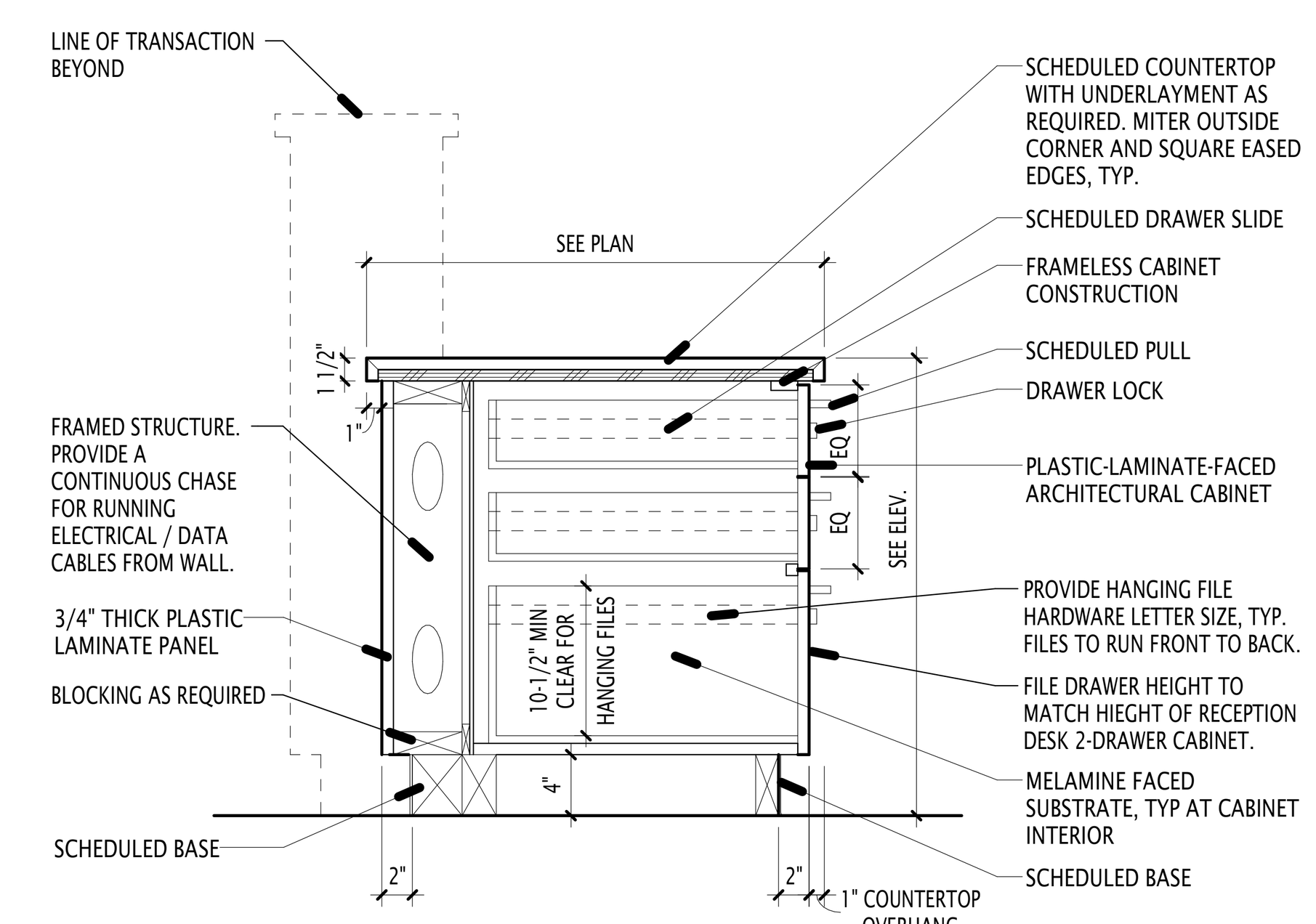
7 ADMIN DESK @ KNEE SPACE W/ TRANS. TOP
A805 1" = 1'-0"



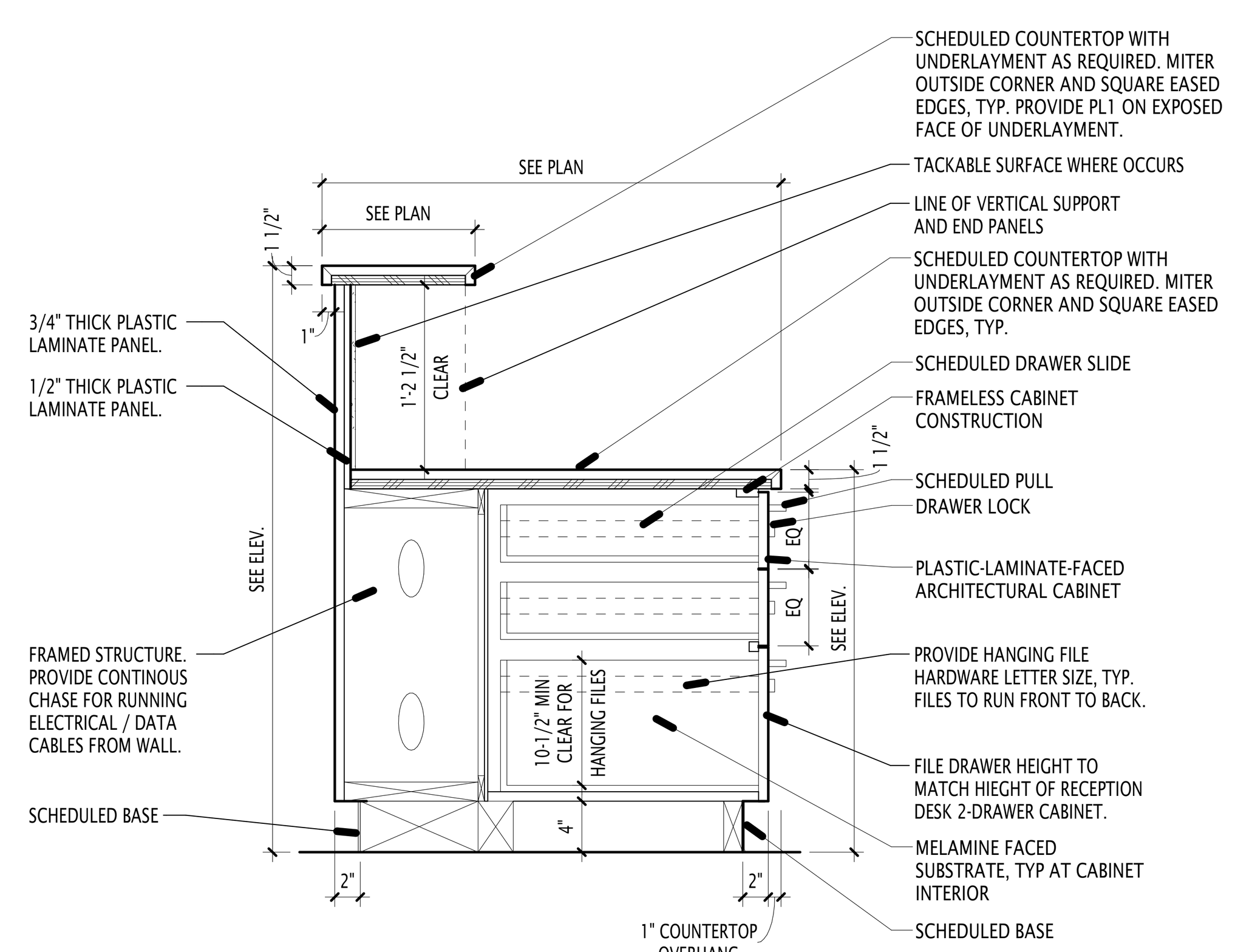
3 ADMIN DESK @ KNEE SPACE
A805 1" = 1'-0"



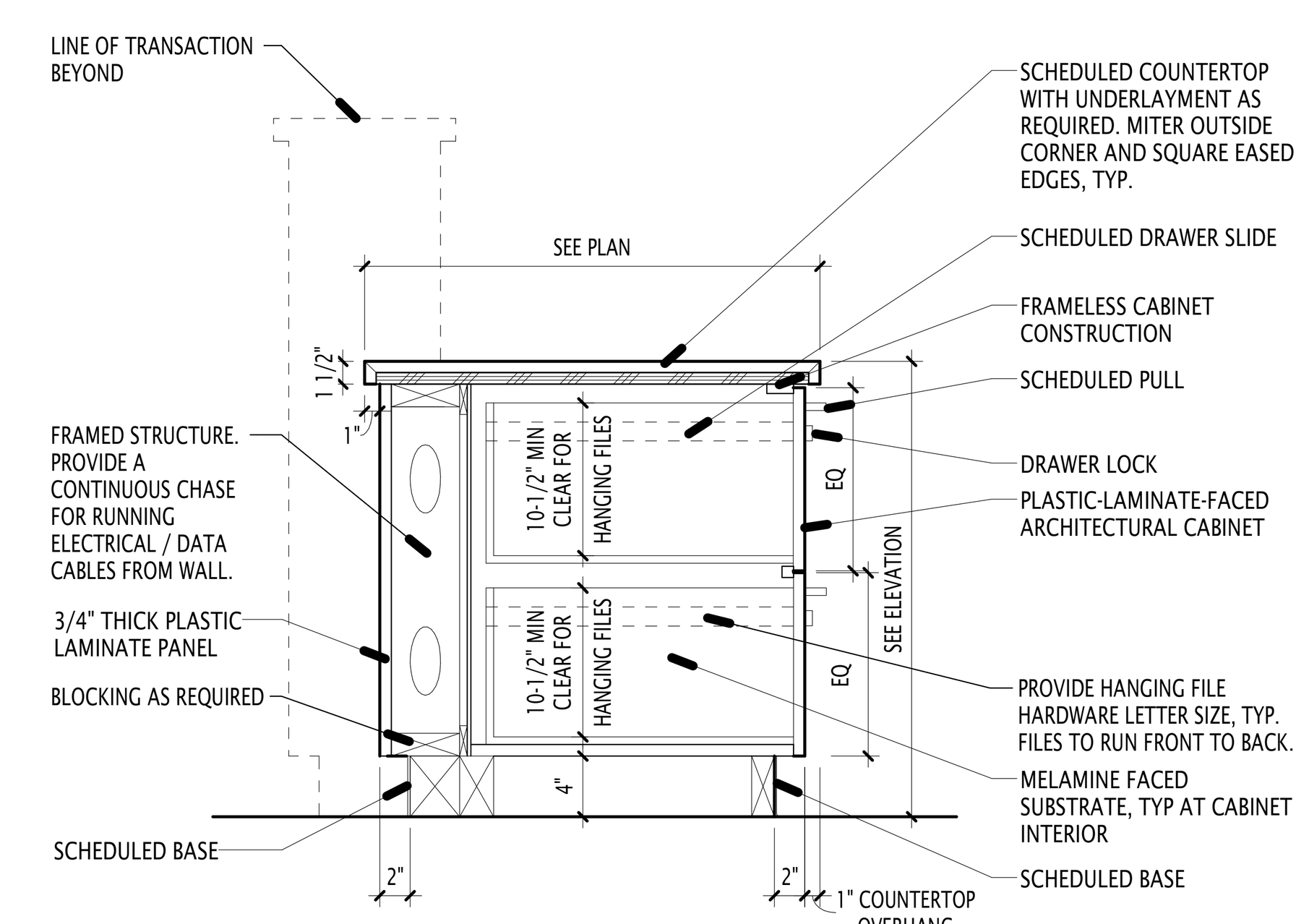
6 ADMIN DESK @ KNEE SPACE W/ TRANS. TOP
A805 1" = 1'-0"



2 ADMIN DESK @ 3 DRAWER
A805 1" = 1'-0"



5 ADMIN DESK @ 3 DWR W/ TRANS. TOP
A805 1" = 1'-0"



1 ADMIN DESK @ 2 DRAWER
A805 1" = 1'-0"

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

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A805 REV

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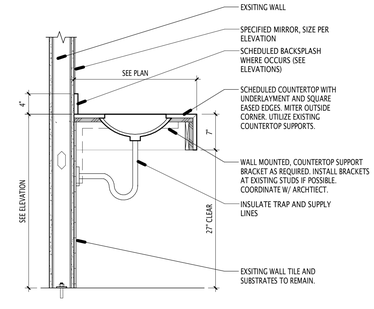
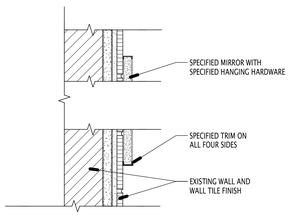
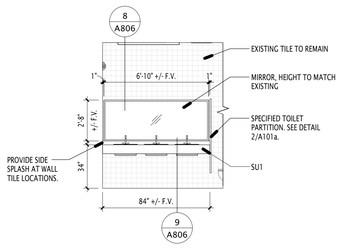


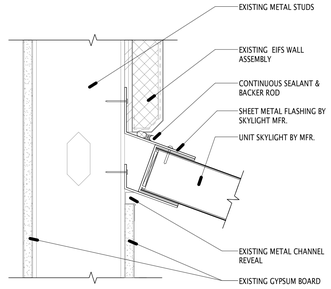
9 A806 STUDENT RESTROOM - COUNTERTOP
1" = 1'-0"



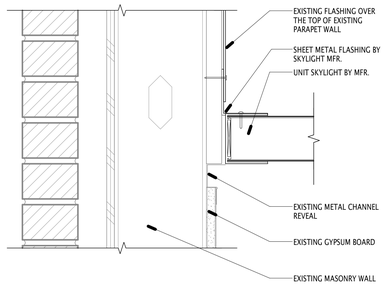
8 A806 STUDENT RESTROOM - MIRROR DETAIL
3" = 1'-0"



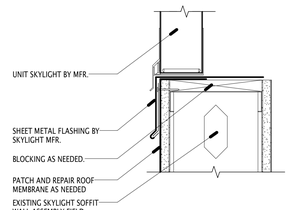
7 A806 STUDENT RESTROOM - COUNTERTOP
1/4" = 1'-0"



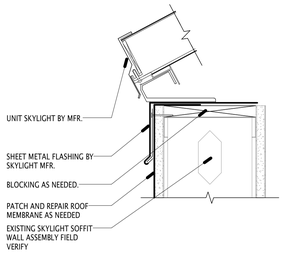
6 A806 SKYLIGHT CURB @ EXISTING EIFS WALL
3" = 1'-0"



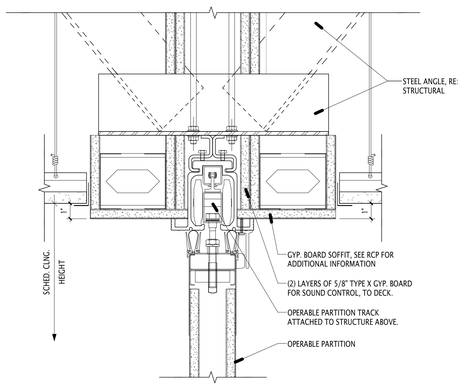
5 A806 SKYLIGHT CURB @ EXISTING WALL
3" = 1'-0"



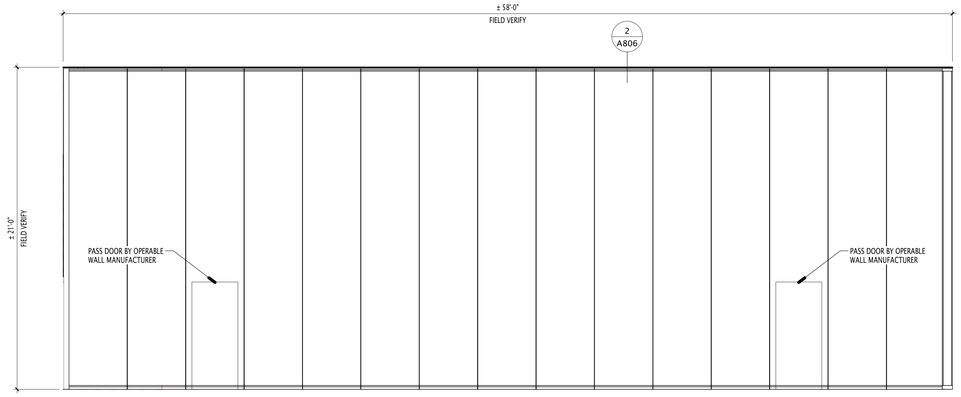
4 A806 SKYLIGHT CURB 1
3" = 1'-0"



3 A806 SKYLIGHT CURB
3" = 1'-0"



OPERABLE PARTITION HEAD DETAIL
2 A806 3" = 1'-0"



1 A806 OPERABLE PARTITION ELEVATION
1/4" = 1'-0"

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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OWNER PROJECT NO.:
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ALTERNATE DETAILS

A806 REV

1. Design Criteria

1.1. Governing Building Code ..... 2021 International Building Code (IBC)
A. Risk Category III

1.2. Floor Live Loading
A. Office ..... 50 psf Live Load + 15 psf Partition Load
B. Exit Facilities & Corridors ..... 100 psf Live Load

1.3. Roof Live Loading
A. Roof Live Load ..... 20 psf
B. Roof Snow Load ..... 24.6 psf + Drift per IBC
1. Ground Snow Load, P_g ..... 32 psf
2. Snow Exposure Factor, C_e 1.0
3. Importance Factor, I_s 1.1
4. Thermal Factor, C_t 1.0
5. Slope Factor, C_s 1.0

1.4. Earthquake
A. Seismic Design Category ..... D
B. Spectral Response Accelerations
S_S = 1.306 g S_{DS} = 1.045 g
S_1 = 0.47 g S_{D1} = 0.573 g
C. Soil Site Class ..... D Default
F_a = 1.2 F_v = 1.83
D. Basic Seismic-Force-Resisting System ..... Existing Intermediate Masonry Shearwall
R = 3.1/2 Ω_0 = 2.1/2 C_d = 2.1/4
E. Importance Factor, I_e 1.25
F. Redundancy Factor, ρ 1.0
G. Analysis Procedure ..... Equivalent Lateral Force (Static)
H. Seismic Design Coefficient, C_s 0.373

1.5. Wind
A. Basic Design Wind Speed, V ..... 109 mph
B. Allowable Stress Design Wind Speed, V_{asd} ..... 84.4 mph
C. Velocity pressure exposure coefficient, K_z 0.85
D. Ground elevation factor, K_e 0.85
E. Exposure category C
F. Internal Pressure Coefficient, GC_{pi} 0.18
G. Topographic Factor, K_{zt} 1.0
H. Components and Cladding Design Pressure

Design Wind Pressure - LRFD (psf)

Location		Tributary Area (ft²)			
		< 10	50	200	> 500
Walls	Within 6.4 ft of building corner	27.2	23	19.4	17
	All other areas	22.1	20	18.2	17

1.6. Foundation
A. Soil Bearing Pressure (assumed): ..... 2,500 psf on native fill

2. Concrete

2.1. Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-14, "Building Code Requirements for Structural Concrete."
A. Concrete mix design requirements shall be as follows:

Location	f'c at 28 days (psi)	Max W/C Ratio	Air Content (%)	Max Aggregate Size	Exposure Classes*		
					F	S	C
Footings	3000	0.50	-	1"	F0	S0	C0
Interior Slabs on Grade	3000	0.45	-	1"	F0	S0	C0
Exterior Walls	4500	0.45	6	¾"	F1	S0	C1
All other site cast concrete	4500	0.45	6	1"	F1	S0	C1

* Exposure Classes are per ACI 318, Section 19.3.1.1, where F, S and C are exposure categories for freezing and thawing, sulfate, and corrosion protection of reinforcement, respectively.

B. Cementitious Materials:
1. Portland Cement (ASTM C150):
a. Type I or II for exposure class S0.
2. Fly Ash (ASTM C618, Class C or F): maximum fly ash content as a percentage of total weight of cementitious materials shall be 25 percent.
C. Concrete Density (Maximum Air Dry Weight):
1. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot. Aggregate shall be ASTM C33.
2. Lightweight concrete shall not exceed 110 pounds per cubic foot and shall be made of lightweight coarse aggregates and either lightweight and/or normal weight fines meeting ASTM C330.
D. Steel Reinforcement:
1. ASTM A615 Grade 60, fy = 60,000 psi min. unless noted otherwise.
2. Reinforcement at concrete moment frames, concrete shear walls, and all components of shear walls including coupling beams and wall piers shall comply with ASTM A706, Grade 60. ASTM A615 Grade 60 reinforcement shall be permitted if:
a. The actual yield strength based on mill tests does not exceed 78,000 psi, and
b. The ratio of actual tensile strength to the actual yield strength is not less than 1.25.
c. Mill tests shall be submitted to the Engineer.
E. Fiber Reinforcement:
1. Synthetic Micro-Fiber: fibrillated polypropylene micro-fibers engineered and designed for use in concrete, complying with ASTM C 1116, 1/2 to 1-1/2 inches long. Add to concrete at a dosage rate of 1.5 lb/cu yd where indicated.
2. Macrosynthetic Fibers: monofilament, non-fibrillating fibers made of a polypropylene/polyethylene blend. Macro fibers shall comply with ASTM C 1116, Type III, and meet the criteria of ASTM D 7508.
a. Where noted in the Steel Deck Schedule, macrosynthetic fibers shall be added to concrete over steel deck at a dosage rate determined by the fiber manufacturer but not less than 4 lb/cu yd.
b. Do not burn off exposed fibers.
F. Admixtures:
1. Air-entraining admixtures, comply with ASTM C 260 (when used).
a. Tolerance on air content as delivered shall be +/- 1.5%.
b. When air content of a trowel finished floor slab exceeds 3%, there is an increased risk for delaminations and blistering to occur. When this situation is present, the Contractor shall pay special attention to the finishing procedures to help minimize such risks. Refer to ACI 302.1R-15 "Guide for Concrete Floor and Slab Construction" for proper finishing guidelines.
2. The use of super plasticizers and water reducers is allowed, but not required.
3. Calcium chloride or admixtures containing calcium chloride shall not be added to the concrete mix.
G. Chloride Ion: Maximum water soluble chloride ion concentrations in hardened concrete at age between 28 and 42 days contributed from the ingredients including water, aggregates, cementitious materials, and admixtures shall not exceed a maximum, by weight of cement, of 1.00% for concrete with exposure class C0, 0.30% for concrete with exposure class C1, 0.15% for concrete with exposure class C2, and 0.06% for all prestressed concrete.
H. Slump Limit: 4 inches, maximum for all concrete prior to the addition of plasticizers and water reducing admixtures. The concrete supplier shall indicate the final slump of each concrete mix in the submitted mix design.
I. Shrinkage Limit: Interior slabs on grade shall have a drying shrinkage limit of 0.040 percent tested in accordance with ASTM C157. Drying shrinkage test results shall be submitted with mix designs.
J. Only one grade or type of concrete shall be poured on the site at any given time.
K. Plastic coated tie wires and chairs shall be used to support reinforcing bars, tie bars and tendons in parking structures and other reinforced concrete structures that will be exposed to moisture.

2.2. Formwork shall comply with ACI Standards Publication 347 and the project specifications. The Contractor shall be responsible for the design, detailing, care, placement and removal of the formwork and shores.

2.3. Concrete cover requirements for deformed bar reinforcing steel shall comply with ACI 318, "Building Code Requirements for Structural Concrete",
A. Cast-in-place Concrete: Specified Cover
1. Cast against and permanently exposed to earth: ..... 3"
2. Formed concrete exposed to earth or weather:
#6 thru #18 bars ..... 2"
#5 and smaller bars ..... 1.1/2"
3. Concrete not exposed to weather or in contact with ground:
Slabs, Walls, Joists; #11 bars and smaller ..... 3/4"
Beams, Columns: primary reinforcement, ties, stirrups, spirals ..... 1.1/2"

2.4. Minimum Spacing of Reinforcement
A. For parallel reinforcing bars in a horizontal layer, clear spacing between bars shall be at least the greatest of 1 inch, nominal diameter of the bars considered, and (4/3) times the nominal maximum size of coarse aggregate in the concrete.
B. For longitudinal bars in columns, pedestals, struts and boundary elements in walls, clear spacing shall be at least the greatest of 1.5 inches, 1.5 times the diameter of the bars considered and (4/3) times the nominal maximum size of coarse aggregate in the concrete.
C. See Section 25.2.7 of ACI 318-19 for minimum spacing requirements of parallel reinforcing bars in concrete members.
D. If scheduled reinforcing cannot meet these provisions, notify structural engineer.

2.5. Construction Joints and Control Joints:
A. Provide a surface intentionally roughened to ¼" amplitude in all wall footings. A continuous keyway shall not be used for concrete shear wall to footing connections, unless specifically indicated. Refer to project plans, schedules and details for the shear wall to footing connection requirements.
B. All horizontal and vertical construction joints shall have a surface intentionally roughened to ¼" amplitude. A continuous 2 X 4 keyway may be used on elements other than shear walls.
C. Provide reinforcement dowels to match the member reinforcement across the joint, unless noted otherwise. For dowels across construction joints and wall to footing connections of concrete shear walls, refer to specific project plans, schedules, and details.
D. Construction joints in suspended concrete pours shall be made at the center of spans.
E. Slabs on grade shall have construction or control joints spaced not to exceed 30 times the slab thickness in any direction.
F. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed within 12 hours of concrete placement. See typical details for joint configuration.
G. Control joints in visually exposed walls, unless noted otherwise: (Joints shall line up with masonry and architectural joints, see drawings.)
1. Vertical control joints at 10'-0" on center.
2. Reinforcing shall be continuous through control and construction joints, unless noted otherwise.
3. Control joints in concrete foundation walls shall line up with masonry control joints.
H. Control joints shall be installed in concrete slabs over steel deck by saw-cutting along girders and purlins at interior grid lines. See typical details for joint size and reinforcement. Reinforcement required shall be in addition to any slab reinforcement.

2.6. Detailing: All reinforcing, including welded wire fabric, shall be detailed, bolstered & supported to comply with ACI 315, "Details and Detailing of Concrete Reinforcement" and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically shown on drawings.
A. All reinforcing shall be developed in compliance with the CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE SCHEDULE. As indicated in the drawings or upon approval of the Engineer of Record, standard tension hooks or headed bars described by the TENSION HOOK DEVELOPMENT SCHEDULE or the TENSION HEADED BAR DEVELOPMENT SCHEDULE may be used in lieu of straight bars.
B. All mechanical splices shall have the capacity to develop at least 1.25fy of the bar in tension or compression. Type 2 couplers have the capacity to develop the full tension capacity of the bar. Type 1 couplers shall not be used in moment frames and shear wall jamb columns. Mechanical splices shall have a current ICC or IAPMO code evaluation report; "Lenton" (IAPMO No. 0129), "Taper-Lock" (IAPMO No. 0319) or "SAS Stressteel" (ICC ESR-1163), "Bar-Lock" (ICC ESR-2495) or approved equivalent may be used. Mechanical couplers on adjacent bars shall be staggered a minimum of 24" apart along the longitudinal axis of the reinforcing bars.
C. All embedded elements and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
D. Use chairs or other support devices recommended by CRSI to support and tie reinforcement bars and welded wire fabric prior to placing concrete. Welded wire fabric shall be continuously supported at 36" o.c. maximum.
E. See typical details for reinforcing at wall intersections and ends, reinforcing around wall openings and suspended slab openings, vertical wall dowels, concrete column ties and splices in vertical column reinforcing.
F. See typical details for column cross-ties. The 90-degree hooks of two successive crossties engaging the same longitudinal bars shall be alternated end for end.
G. Where required, reinforcement is to be terminated in a standard hook or headed bar anchor. Refer to the TENSION HOOK DEVELOPMENT SCHEDULE, the TENSION HEADED BAR DEVELOPMENT SCHEDULE and the REINFORCEMENT END HOOK SCHEDULE as appropriate. Unless otherwise noted, a standard hook or headed bar are equivalent and may be substituted at the Contractor's option.
H. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
I. All reinforcement shall be bent cold, and shall be bent only once at the same location. All reinforcement shall be shop bent, unless otherwise permitted by the Engineer.

2.7. Minimum Reinforcing: Wall reinforcing shall be as follows, unless noted otherwise:

Wall Thickness	Horizontal Reinforcing	Vertical Reinforcing
6"	#4 @ 13" o.c.	#4 @ 18" o.c.
8"	#5 @ 15" o.c.	#4 @ 16" o.c.
10"	#5 @ 12" o.c.	#4 @ 13" o.c.
12"	#4 @ 13" o.c. Each Face	#4 @ 18" o.c. Each Face
Others	0.25% of Wall Area	0.15% of Wall Area

Spacing shall exceed neither three times the wall thickness nor 18". In addition to the above reinforcing, 2 - #5 x continuous horizontal bars shall be placed at the bottom of the wall (near the footing) and at each floor level, at the roof level and at the top of wall.

2.8. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

2.9. Unless otherwise noted, all slabs on grade shall be 4" thick.

3. Structural Steel

3.1. Material:
A. W-Shapes: ASTM A992, (F_y = 50 ksi), except as noted otherwise
B. All Other Shapes and Plates: ASTM A36 (Fy = 36 ksi), except as noted otherwise
C. Rectangular and Square Hollow Structural Sections (HSS): ASTM A500, Grade C (Fy = 50 ksi)
D. Steel Deck:
1. Galvanized Steel Sheet: ASTM A653 or A1063, Grade 50 with G60 galvanized coating.
2. Ungalvanized Steel Sheet: ASTM A1008 or A1039, Grade 50
E. High-Strength Bolts:
1. Group A: ASTM F3125 Grades A325 & F1852
2. Group B: ASTM F3125 Grades A490 & F2280
3. Group C: ASTM F3043 & ASTM F3111
F. Anchor Rods: ASTM F1554, Grade 36, unless noted otherwise, with ASTM A563 heavy hex nuts and ASTM F436 hardened washers

3.2. Fabrication and construction shall comply with the following Codes and Standards:
A. American Institute of Steel Construction (AISC)
1. AISC 360-16, "Specification for Structural Steel Buildings"
2. AISC 341-16, "Seismic Provisions for Structural Steel Buildings"
3. AISC 303-16, "Code of Standard Practice for Steel Buildings and Bridges"
a. The structural drawings shall be used in conjunction with the architectural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in architectural, structural, and/or other consultants' drawings. Refer to the Special Instructions section of the general notes, below.
B. Research Council on Structural Connections (RCSC), "Specification for Structural Joints Using High-Strength Bolts," August 1, 2014.
C. American Welding Society (AWS)
1. AWS D1.1—2015: "Structural Welding Code – Steel" (specific items do not apply when they conflict with the AISC requirements)
2. AWS D1.8—2016: "Structural Welding Code – Seismic Supplement" (specific items do not apply when they conflict with the AISC requirements)

3.3. Structural shapes and plates shall be fabricated from newly rolled (milled) one-piece sections without splices, unless specifically noted otherwise on the structural drawings. Connections for structural steel shall comply with the structural drawings, unless written approval is given by the Structural Engineer.

3.4. Welding:
A. It is recommended the steel erection contractor and steel fabricator contact the Quality Assurance Agency prior to beginning any welds. A program of joint preparation and welding procedures should be worked out between the two parties before the welding is started so that correct welds will be made from the beginning.
B. Certification of Welders: All shop and field welding shall be executed by AWS certified welders who have been specifically certified for the process of welding being performed. The welder's certification will be considered as being current unless the welder is not engaged in the process of welding being performed for a period exceeding six months or there is a specific reason to question a welder's ability as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the Architect prior to beginning work.
C. Electrodes: E-70 XX or as noted otherwise. E60 XX may be used for welding steel floor and roof decks.
D. Minimum Welds: All intersecting steel shapes that are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Fillet weld sizes that are not shown shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same size as the thinnest of the connected parts.
E. Reinforcing Bars: Do not weld rebar except as specifically detailed in the drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for deformed bar anchors (DBAs), machine bolts, or headed stud anchors (HSAs).
F. Bolts: Do not apply any welds, including "tack" welds to bolts, including anchor bolts, except as specifically detailed in the drawings.
G. Headed Stud Anchor (HSA) welding and Deformed Bar Anchor (DBA) welding shall conform to the manufacturer's specifications. Welding shall comply with AWS D1.1 Section 7.6 through 7.9 and Annex G.

3.5. Bolted Connections:
A. Provide snug tightened joints with Group A (threads not excluded) bolts for steel to steel connections, unless noted otherwise. Snug tightened joints shall be used in connections for simple span framing and beam (or girder) to bearing plate connections. Snug tight is the condition that exists when all of the plies in a connection have been pulled into firm contact by the bolts in the joint and all of the bolts in the joint have been tightened sufficiently to prevent the removal of the nuts without the use of a wrench. The snug tightened condition is typically achieved with a few impacts of an impact wrench, application of an electric torque wrench until the wrench begins to slow, or the full effort of a worker on an ordinary spud wrench.
B. Provide hardened washers beneath the turned element of all bolts or nuts. Provide hardened washers, to compensate for the lack of parallelism, where the outer face of the bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolt axis. Hardened washers or plates installed over oversized holes or slotted holes shall be at least 5/16" thick and shall conform to ASTM F436. Plates or bars installed at slotted holes shall have a size sufficient to completely cover the slot after installation.
C. Where a steel to steel beam connection is not detailed in the drawings, provide a standard AISC framed connection with the capacity to support one half of the total uniform load capacity of the given shape for the span and for the steel specified.
D. Bolts, nuts and washers shall not be reused.

3.6. Steel Lintels
A. Provide steel angle lintels at all openings through the masonry veneer. Provide one inch of bearing for each foot of width of opening, with a minimum bearing of six inches. See the STEEL ANGLE LINTEL SCHEDULE for size. All steel lintels shall be galvanized unless noted otherwise.

3.7. Beam Web Stiffener Plates:
A. Provide full-height web stiffener plates to each side of all beams above all bearing points. Unless noted otherwise, stiffener plates shall be the thickness indicated in the typical stiffener plate detail.

4. Cold-Formed Steel

4.1. Material:
A. Studs:
1. Base metal thickness of less than 54 mil: ASTM A1003 or A653, Fy = 33 ksi.
2. Base metal thickness of 54 mil or greater: ASTM A1003 or A653, Fy = 50 ksi.
B. Track, Connection Clips, and Miscellaneous Shapes:
1. Base metal thickness of less than 54 mil: A1003 or A653, Fy = 33 ksi.
2. Base metal thickness of 54 mil or greater: A1003 or A653, Fy = 50 ksi

4.2. Design, fabrication and construction shall comply with the following Codes and Standards from the American Iron and Steel Institute (AISI):
A. AISI S100-16(2020) w/s2-20: "North American Specification for the Design of Cold-Formed Steel Structural Members," 2016 Edition (Reaffirmed 2020), with Supplement 2, 2020 Edition
B. AISI S202-20: "Code of Standard Practice for Cold-formed Steel Framing," 2020
C. AISI S220-20, "North American Standard for Cold-Formed Steel Nonstructural Framing," 2020
D. AISI S240-20: "North American Standard for Cold-Formed Steel Structural Framing," 2020
E. AISI S400-20: "North American Standard for Seismic Design of Cold-formed Steel Structural Systems," 2020

4.3. Non-Load-Bearing Exterior Cold-Formed Steel Framing:
A. All non-load bearing exterior cold-formed steel (and/or) joist framing members along with all runner, bridging, and end track shall be of the designation shown on the plans, schedules, and details. The framing member designators used in the plans, schedules, and details follow the convention established by the Steel Stud Manufacturers' Association (SSMA) and the North American Steel Framing Alliance (NASFA). Framing members provided shall comply with the designations according to this convention. See Steel Stud Manufacturers Association-Nomenclature for an explanation of the stud or track designations.
B. All components shall be galvanized.
C. Where not noted in the drawings, all framing members shall have a base metal thickness of 33 mil or greater.
D. All jamb, header, and sill components shall be continuous without splices unless noted otherwise. Jambs shall extend continuous from floor to floor, roof, or wind girt.
E. Web punchouts in header stud members shall not be located within 12 inches of the support.
F. Fasteners for steel stud construction shall be self-drilling and self-tapping meeting ASTM C1513. Screw-type fasteners shall penetrate the joined materials with a minimum of three threads exposed. Furnish, install, and tighten screws per the manufacturer's recommendations and per the sizes indicated in the details. The minimum screw-type fastener size shall be #10 for any connection, unless noted otherwise, or the manufacturers' minimum recommended size for framing clips and bridging. Screws shall have a center-to-center spacing of at least 3 times the nominal diameter of the screw unless noted otherwise. Screws shall have center-of-screw to edge-of-steel dimensions of at least 1.5 times the nominal diameter of the screw unless noted otherwise.
G. See the Typical Steel Stud Wall Bridging Detail for wall stud bridging requirements. Proprietary bridging systems may be used upon submission, review, and approval by the Architect/Engineer. Cold-rolled channel (or steel angle) bridging shall not be used without suitable full-depth angle clips fastened to the studs and channel or angle to prevent stud roll-over.
H. Wall to floor or roof connections shall use deflection tracks or steel clips designed to accommodate vertical deflection of the floor or roof structure. See specific details for further information. Vertical deflection assemblies shall accommodate ¾" min of vertical deflection unless noted otherwise. Do not attach screws through sheathing into top track of deflection assembly. Top screw through sheathing shall be 1" below track.
I. Connection clips as specified in the schedules and details use The Steel Network (TSN) products as the basis of design. Other manufacturer's connection clips, must be submitted for review and approved by the Architect/Engineer prior to use, and shall clearly indicate all ICC/IAPMO code reports, load capacities and engineering associated with their use. Follow all manufacturers' recommendations for the use of these products. Follow required screw patterns as required by the manufacturer based on the number of screws indicated.
J. Proprietary headers, jamb studs, and other miscellaneous framing may be substituted for framing as shown in the NON-LOAD-BEARING EXTERIOR STEEL STUD FRAMING SCHEDULE but must be submitted to the Engineer & reviewed prior to ordering material or fabricating & installing such components. Submittals for substitution of such components must clearly state what is being substituted and show equivalence to the components being replaced.

4.4. Welding:
A. The steel stud contractor shall contact the Quality Assurance Agency prior to beginning any welds. A program of joint preparation and welding procedures should be worked out between the two parties before the welding is started so that correct welds will be made from the beginning.
B. Certification of Welders: All shop and field welding shall be executed by AWS certified welders who have been specifically certified for the process of welding being performed. The welder's certification will be considered as being current unless the welder is not engaged in the process of welding being performed for a period exceeding six months or there is a specific reason to question a welder's ability as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the Architect prior to beginning work.
C. Unless noted otherwise, all welded connections shall be done using 1/8" AWS type 6013 or 7014 rod with a welding heat of 60-110 amperes depending on the gauge of material and the fit of the parts. Wire tying of framing components shall not be permitted. Welds and damaged coatings on studs shall be repaired with zinc galvanizing repair paint.

4.5. Submittals with Prefabricated Systems or systems intended to replace conventional framing herein shall have complete shop drawings and calculations of all elements for review and bear the stamp of a Professional Engineer registered in the State of Utah.

5. Miscellaneous

5.1. Post-Installed Anchors in Concrete and Masonry
A. Anchorage to hardened concrete and grout-filled masonry shall include all mechanical and adhesive anchors and epoxy doweled reinforcing bars of size, quantity, spacing, and embedment as shown on the drawings. Additional anchors shall not be used without approval from the Engineer prior to installation.
B. Special inspection is required during the installation of all post-installed anchors. Refer to applicable code evaluation reports and the Quality Assurance and Statement of Special Inspections sections of the General Structural Notes.
C. Anchorage to Concrete:
1. All post-installed anchors into hardened concrete shall be selected from the following pre-approved products, unless noted otherwise:

Steel Screw Anchor	Evaluation Report
Hilti Kwik HUS-EZ	ICC ESR-3027
DeWalt Screw-Bolt+	ICC ESR-3889
Simpson Titen HD	ICC ESR-2713

Steel Expansion/Wedge Anchor	Evaluation Report
Hilti Kwik Bolt TZ2	ICC ESR-4266
DeWalt Power-Stud+ SD2	ICC ESR-2502
Simpson Strong-Bolt 2	ICC ESR-3037

Adhesive Anchor System	Evaluation Report
Hilti HIT-HY 200	ICC ESR-3187
Hilti HIT-RE 500 V3	ICC ESR-3814
DeWalt AC200+	ICC ESR-4027
DeWalt Pure 110+	ICC ESR-3298
Simpson SET-3G	ICC ESR-4057

2. Adhesive anchors shall be installed into concrete having a minimum age of 21 days. For installations sooner than 21 days, consult the adhesive manufacturer.
D. Anchorage to Masonry:
1. All post-installed anchors into grout-filled masonry shall be selected from the following pre-approved products, unless noted otherwise:

Steel Screw Anchor	Evaluation Report
Hilti Kwik HUS-EZ	ICC ESR-3056
DeWalt Screw-Bolt+	ICC ESR-4042
Simpson Titen HD	ICC ESR-1056

Steel Expansion/Wedge Anchor	Evaluation Report
Hilti Kwik Bolt TZ2	ICC ESR-4561
DeWalt Power-Stud+ SD1	ICC ESR-2965
Simpson Wedge-All	ICC ESR-1396

Adhesive Anchor System	Evaluation Report
Hilti HIT-HY 270	ICC ESR-4143
DeWalt AC100+ Gold	ICC ESR-3200

E. Alternate anchors or adhesives are permitted with approval of the Engineer. The Contractor shall submit the proposed anchor product data and code evaluation report demonstrating the anchor is equivalent to or exceeds the capacity of the specified anchor.
F. Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel certified by an applicable certification program. Certification shall include written and performance tests in accordance with the ACI/CRSI Adhesive Anchor Installer Certification program, or equivalent. Proof of current certification shall be submitted to the Engineer for approval prior to commencement of installation.
G. Anchors shall be installed according to the Manufacturer's Printed Installation Instructions and applicable code evaluation reports including:
1. Hole diameter, depth, and cleaning procedure
2. Adhesive mixing, preparation, and placement
3. Installation torque
H. Locate all existing reinforcement and embedded items prior to drilling into concrete or masonry elements. Do not damage rebar or embeds while drilling or installing anchors.
I. Grout all defective or abandoned holes with non-shrink grout or an injectable epoxy adhesive matching the surrounding concrete compressive strength. Consult the Architect for additional requirements at architecturally exposed concrete.
J. Drilled anchors are not allowed in post-tensioned concrete without approval of the Architect and Engineer.
K. Carbon steel anchors are limited to use in dry, interior locations.
L. Holes for post-installed anchors may not be core drilled unless specifically allowed by the manufacturer's installation instructions and the code evaluation report.

6. Special Instructions

6.1. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specifications for additional requirements in each section. Notes and specific details on the drawings shall take precedence over General Structural Notes and typical details.

6.2. The architectural drawings are the prime contract drawings. Consultant drawings by other disciplines are supplementary to the architectural drawings. All omissions or conflicts, including dimensions, between the various elements of the consultants' drawings and/or specifications shall be brought to the attention of the Architect before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the Architect without additional cost to the Owner. Any work done by the Contractor after discovery of such discrepancy shall be done at the Contractor's risk.

6.3. The structural drawings shall be used in conjunction with the architectural drawings. Primary structural elements and overall structural layout are indicated within the structural plans and details. Some secondary elements, architectural layouts, alcoves, elevations, slopes, depressions, curbs, mechanical equipment and electrical equipment, are not indicated within the structural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.

6.4. Shoring and Bracing Requirements:
A. Floor and Roof Structures – The General Contractor is responsible for the method and sequence of all structural erection. The Contractor shall provide temporary shoring and bracing as the method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed, including all roof and floor attachments. The building shall not be considered stable until all connections are complete.
B. Foundation walls must be braced until the complete floor or roof systems is completed. Do not backfill until floor or roof systems are in place.
C. Walls above grade shall be braced until the structural system is complete. Walls shall not be considered to be self-supporting.

6.5. All expansion joints (E.J.) shown in the structural drawings shall be considered seismic separation joints, unless noted otherwise. The width dimensioned shall be provided with a tolerance of (+1'/-0") regardless of the tolerances stated in material reference standards.

6.6. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the Contractor of the responsibility of completing the project according to the contract documents. The General Contractor shall review and mark all shop drawings prior to submitting them to the Architect ft

6.7. Project Coordination: It shall be the responsibility of the General Contractor to coordinate with all trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the General Contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the General Contractor. It is the Contractor's obligation to provide all items necessary for the chosen procedure.

6.8. Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, Contractor shall notify Architect/Engineer prior to fabrication or construction within that area.

6.9. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reaveley Engineers. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Reaveley Engineers' reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers for one use only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the Contractor or subcontractors for preparation of shop drawings or other submittals.

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REGISTERED PROFESSIONAL ENGINEER
No. 5047493
OLIVER DALLIN BURT
STATE OF UTAH
01/22/2024

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

GENERAL STRUCTURAL NOTES

SE001 REV

7. Quality Assurance

7.1. Quality Assurance Agency Requirements:

A. The Owner shall engage a qualified Quality Assurance Agency (QAA) to provide all special inspection and quality assurance testing for the project. The QAA shall provide all information necessary for the building official to determine that the agency meets the applicable requirements.

1. The QAA shall be objective, competent and independent from the Contractor responsible for the work being inspected. The agency shall disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.
2. The QAA shall have adequate equipment to perform required tests. The equipment shall be periodically calibrated.
3. The QAA shall employ experienced personnel educated in conducting, supervising and evaluating tests and special inspections. Experience or training shall be considered relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities.
4. The QAA shall send copies of all inspection and testing reports to the building official, Owner, Architect, Engineer and Contractor. Reports shall indicate that the work inspected was or was not completed in conformance to the approved construction documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the, Architect and Engineer.
5. The QAA shall submit a final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests. The final report shall be distributed to the building official, Owner, Architect and Engineer in a timely manner prior to the completion of the project.

7.2. Contractor Responsibilities:

A. The Contractor shall submit a written statement of responsibility to the building official and the Owner or the owner's authorized agent prior to the commencement of work on the systems or components listed in the statement of special inspections. The Contractor's statement of responsibility shall contain acknowledgement or awareness of the special requirements contained in the statement of special inspections.

B. Notification of QAA: The Contractor shall notify the QAA in a timely manner so that inspection and testing may be performed as outlined in the statement of special inspections.

7.3. Structural Observations by the Engineer of Record.

A. The Engineer of Record will perform structural observations at critical phases of the project. Observations will be made on a periodic basis throughout the construction of the structural system. Copies of the Engineer's report will be distributed to the Architect, Contractor, Owner, and building official.

B. Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of construction.

8. Statement of Special Inspections

8.1. The following materials, systems and components require special inspection or testing per Chapter 17 of the International Building Code (IBC).

8.2. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases, periodic inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. Frequency marked with (E) designates periodic inspections that must be performed prior to or upon completion of every task.

Structural Steel per IBC Section 1705.2.1, 1705.13.1 & 1705.14.1

Item	Frequency	Detailed Instructions
Prior to Welding (Table N5.4-1, AISC 360-16):		
Welder qualification records	Periodic	Verify welder qualification records and continuity records
Verify welding procedures (WPS) and consumable certificates	Periodic (E)	
Material identification	Periodic	Verify type and grade of material.
Item	Frequency	Detailed Instructions
Welder identification	Periodic	Confirm a system is in place by which a welder who has welded a joint or member can be identified.
Fit-up groove welds	Periodic	Verify joint preparation, dimensions, cleanliness, tacking, and backing.
Access holes	Periodic	Verify configuration and finish.
Fit-up of fillet welds	Periodic	Verify dimensions, cleanliness and tacking.
During Welding (Table N5.4-2, AISC 360-16):		
Use of qualified welders	Periodic	Verify that welders are appropriately qualified.
Control and handling of welding consumables	Periodic	Verify packaging and exposure control.
Cracked tack welds	Periodic	Verify that welding does not occur over cracked tack welds.
Environmental conditions	Periodic	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	Periodic	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.
Welding techniques	Periodic	Verify interpass and final cleaning, each pass is within profile limitations, and quality of each pass.
Steel headed stud anchors	Periodic	Verify placement and installation of steel headed stud anchors.
After Welding (Table N5.4-3, AISC 360-16):		
Welds cleaned	Periodic	Verify that welds have been properly cleaned.
Size, length, and location of welds	Periodic (E)	Verify the size, length and location of welds.
Welds meet visual acceptance criteria	Periodic (E)	Verify that welds meet crack prohibition, base metal fusion, profile, size, undercut, and porosity provisions.
Arc strikes	Periodic (E)	Verify that arc strikes do not exist outside the permanent weld areas.
k-area	Periodic (E)	When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks.
Weld access holes in rolled heavy shapes and built-up heavy shapes (flange >2")	Periodic (E)	After rolled heavy shapes and built-up heavy shapes are welded, visually inspect the weld access holes for cracks.
Backing & weld tabs removed	Periodic (E)	If required on the approved construction documents, verify that back and weld tabs are removed.
Repair activities	Periodic (E)	Verify that repair activities are performed in accordance with AISC 360 and AWS D1.1.
Documentation	Periodic (E)	Document the acceptance or rejection of the welded joint or member.
Prohibited welds	Periodic (E)	Verify no prohibited welds have been added without approval of the EOR.
Nondestructive Testing (Section N5.5, AISC 360-16):		
CJP welds (Risk Cat. II)	Periodic	UT testing shall be performed on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading in materials 5/16-inch thick or greater. (This must be performed on 100% of CJP welds in SDC 'D-F' per AISC 341.)
CJP welds (Risk Cat. III or IV)	Periodic (E)	UT testing shall be performed on all CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading in materials 5/16-inch thick or greater.
Welded joints subject to fatigue	Periodic (E)	Welded joints subject to fatigue (see Table A-3.1 of AISC 360) shall have radiographic or UT testing.
Prior to Bolting (Table N5.6-1, AISC 360-16):		
Certifications of fasteners	Continuous	Verify that manufacturer's certificates are available for fastener materials.
Fasteners marked	Periodic	Verify that fasteners have been marked in accordance with ASTM requirements.
Proper fasteners for joint	Periodic	Verify grade, type, and bolt length if threads are excluded from the shear plane.
Proper bolting procedure	Periodic	Verify proper procedure is used for the joint detail.
Connecting elements	Periodic	Verify appropriate faying surface condition and hole preparation, if specified, meet requirements.
Pre-installation verification testing	Periodic	Observe and document verification testing by installation personnel for fastener assemblies and methods used.
Proper storage	Periodic	Verify proper storage of bolts, nuts, washers, and other fastener components.
During Bolting (Table N5.6-2, AISC 360-16):		
Fastener assemblies	Periodic	Verify that fastener assemblies are of suitable condition, paced in all holes, and washers and nuts are positioned as required.
Snug-tight prior to pretensioning	Periodic	Verify that joints are brought to snug-tight condition prior to pretensioning operation.
Fastener component	Periodic	Verify that fastener component not turned by wrench is prevented from rotating.
Pretensioned fasteners	Periodic	Verify that fasteners are Pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward the free edges.
After Bolting (Table N5.6-3, AISC 360-16):		
Documentation	Periodic (E)	Document the acceptance or rejection of bolted connections.
Other Steel Inspections (Section N5.8, AISC 360-16: Table J8.1, J10.1, AISC 341-16):		
Structural steel details	Periodic	All fabricated steel or steel frames shall be inspected to verify compliance with the details shown in the approved construction documents, such as braces, stiffeners, member locations, and proper application of joint details at each connection.
Anchor rods and other embedments supporting structural steel	Periodic	Shall be on the premises during the placement of anchor rods and other embedments supporting structural steel for compliance with construction documents. Verify the diameter, grade, type, and length of the anchor rod or embedded item, and the extent or depth of embedment prior to placement of concrete.
Galvanized structural steel	Periodic	Verify that exposed cut surfaces of galvanized structural steel does not include cracks prior to galvanizing the surface.
Item	Frequency	Detailed Instructions
Reduced beam sections (RBS)	Periodic	Verify contour and finish as well as dimensional tolerances *(see Table J8.1 of AISC 341-16)*.
Protected zones	Periodic	Verify that no holes or unapproved attachments are made within the protected zone *(see Table J8.1 of AISC 341-16)*.
H-piles	Periodic	Verify that no holes or unapproved attachments occur within the protected zones of piling *(see Table J10.1 of AISC 341-16)*.

Steel Roof and Floor Decks per IBC Section 1705.2.2 and SDI QA/QC - 2017

Item	Frequency	Detailed Instructions
Steel Roof and Floor Decks Prior to Placement (IBC 1705.2.2 and Table 1.1, SDI QA/QC 2017):		
Materials	Periodic (E)	Verify compliance of deck and all deck accessories with approved construction documents, including profiles, material properties, and base metal thickness.
Documentation	Periodic (E)	Document acceptance or rejection of deck and deck accessories
Steel Roof and Floor Decks After Placement (IBC 1705.2.2 and Table 1.2, SDI QA/QC 2017):		
Compliance with construction documents	Periodic (E)	Verify compliance of deck and all deck accessories installation with construction documents. Verify deck materials are represented by the mill certifications that comply with the construction documents.
Document acceptance or rejection of deck and deck accessories	Periodic (E)	
Steel Roof and Floor Decks Prior to Welding (IBC 1705.2.2 and Table 1.3, SDI QA/QC 2017):		
Welding procedure specifications available	Periodic	Verify that WPS is available.
Certifications of welding consumables	Periodic	Verify that manufacturer certifications for welding consumables are available.
Material identification	Periodic	Verify type and grade of materials to be welded
Welding equipment	Periodic	
Steel Roof and Floor Decks During Welding (IBC 1705.2.2 and Table 1.4, SDI QA/QC 2017):		
Use of qualified welders	Periodic	Verify that welders are appropriately qualified.
Control and handling of welding consumables	Periodic	Verify packaging and exposure control.
Environmental conditions	Periodic	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	Periodic	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.
Steel Roof and Floor Decks After Welding (IBC 1705.2.2 and Table 1.5, SDI QA/QC 2017):		
Size, length, and location of welds	Periodic	Verify size and location of welds, including support, sidelap, and perimeter welds.
Welds meet visual acceptance criteria	Periodic (E)	Verify weld meets visual acceptance criteria based upon weld/base-metal fusion, weld profiles, weld size, undercut, and porosity.
Repair activities	Periodic (E)	Verify that repair activities are acceptable.
Document acceptance or rejection of welds	Periodic (E)	
Steel Roof and Floor Decks Prior to Mechanical Fastening (IBC 1705.2.2 and Table 1.6, SDI QA/QC 2017):		
Pre-installation verification	Periodic	Verify manufacturer installation instructions are available for mechanical fasteners as well as the proper tools and storage for the fasteners.
Steel Roof and Floor Decks During Mechanical Fastening (IBC 1705.2.2 and Table 1.7, SDI QA/QC 2017):		
Fastener Placement	Periodic	Verify that fasteners are positioned as required and installed in accordance with the manufacturer's instructions.
Steel Roof and Floor Decks After Mechanical Fastening (IBC 1705.2.2 and Table 1.8, SDI QA/QC 2017):		
Spacing, type and installation of fasteners	Periodic (E)	Verify the spacing, type and installation of support, sidelap and perimeter fasteners.
Repair activities	Periodic (E)	Verify that repair activities are acceptable.
Document acceptance or rejection of mechanical fasteners	Periodic (E)	

Concrete Construction per IBC Sections 1705.3 & 1705.12

Item	Frequency	Detailed Instructions
Reinforcing steel, including prestressing tendons	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; that minimum clear spacing between bars at lap splices are maintained; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
Welding of reinforcing steel	Periodic	Visually inspect all welds and also verify weldability of reinforcing steel based upon carbon equivalent and in accordance with AWS D1.4.
Cast-in bolts & embeds	Periodic	Inspection of anchors or embeds cast in concrete is required when allowable loads have been increased or where strength design is used.
Post-installed adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	Continuous	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report. Horizontally or upwardly inclined anchors that resist sustained tension loads require continuous inspection and approved installers.
Post-installed mechanical anchors and adhesive anchors not defined above	Periodic	
Use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents; ACI 318: Ch. 19, 26.4.3-26.4.4; and IBC 1904.1, 1908.2, 1908.3.
Concrete sampling for strength tests, slump, air content, and temperature	Continuous	Samples for strength tests shall be taken in accordance with ASTM C172, cured per ASTM C31 and tested in accordance with ASTM C39 by a testing agency complying with ASTM C1077. Acceptance criteria for strength tests shall be per ACI 318 Section 26.12.3. For each mix placed, samples shall be taken not less than once a day, nor less than once for each 150 yd^3 of concrete, nor less than once for each 5000 ft^2 of surface area for slabs or walls. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.
Concrete & shotcrete placement	Continuous	
Item	Frequency	Detailed Instructions
Curing temperature and techniques	Periodic	Verify that the ambient temperature for concrete is kept at > 50°F for at least 7 days after placement. High-early-strength concrete shall be kept at > 50°F for at least 3 days. Accelerated curing methods may be used (see ACI 318: 26.4.7-26.4.9). The ambient temperature for shotcrete shall be > 40°F for the same period of time as noted for concrete. Shotcrete shall be kept continuously moist for at least 24 hours after shotcreting. All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
In-situ strength verification	Periodic	Verify that adequate strength has been achieved prior to the removal of shores and forms or the stressing of post-tensioned tendons.
Formwork	Periodic	Verify that the forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.

Soils per IBC Section 1705.6

Item	Frequency	Detailed Instructions
Verify subgrade is adequate to achieve design bearing capacity	Periodic	Prior to placement of concrete.
Verify excavations extend to proper depth and material	Periodic	Prior to placement of compacted fill or concrete.
Verify that subgrade has been appropriately prepared prior to placing compacted fill	Periodic	Prior to placement of compacted fill.
Perform classification and testing of compacted fill materials	Periodic	All materials shall be checked at each lift for proper classifications and gradations not less than once for each 10,000ft^2 of surface area.
Verify proper materials, densities and lift thicknesses during placement and compaction.	Continuous	

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01/22/2024

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JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

GENERAL STRUCTURAL NOTES

SE002 REV

PLAN LEGEND

- FOOTING STEP
- FOOTING - CONTINUOUS
- FOOTING - THICKENED SLAB
- FOOTING - SQUARE FOOTING - RECTANGULAR FOOTING - MAT FOOTING
- CHANGE IN ELEVATION
- SLAB BLOCK-OUT AT COLUMN
- SLAB CONTROL/CONSTRUCTION JOINT
- SPECIAL SLAB OR DECK AREA
- RECESSED/DEPRESSED SLAB
- OPENING
- CONCRETE HOUSEKEEPING PAD
- STEEL DECK
- CONCRETE WALL
- CONCRETE WALL - RECESSED (FDTN PLAN)
- CONCRETE LINTEL (FRAMING PLAN)
- CONCRETE WALL - RECESSED AT DOOR
- STEEL BEAM OR GIRDER
- STEEL JOIST OR PURLIN
- CROSS BRIDGING
- HORIZONTAL BRIDGING
- STEEL COLUMN - TUBE (HSS)
- EXISTING FOOTING - CONTINUOUS
- EXISTING FOOTING - THICKENED SLAB
- EXISTING FOOTING - SQUARE, RECTANGULAR, OR MAT
- EXISTING CONCRETE SHEAR WALL, FOUNDATION WALL OR RETAINING WALL
- EXISTING OPENING THROUGH CONCRETE WALL
- NEW OPENING THROUGH EXISTING CONCRETE WALL
- EXISTING MASONRY WALL
- EXISTING OPENING THROUGH MASONRY WALL
- NEW OPENING THROUGH EXISTING MASONRY WALL
- EXISTING MASONRY COLUMN IN MASONRY WALL
- EXISTING STEEL COLUMN - TUBE
- EXISTING STEEL BEAM OR GIRDER
- EXISTING STEEL JOIST OR PURLIN
- EXISTING CROSS BRIDGING
- EXISTING HORIZONTAL BRIDGING
- EXISTING TO BE REMOVED
- EXISTING OPENING

ABBREVIATIONS

@	AT
AB	ANCHOR BOLT (S)
ABV	ABOVE
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
BLDG	BUILDING
BLW	BELOW
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CJ	CONSTRUCTION JOINT OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTR	CENTER
D.B.	DECK BEARING
db	DIAMETER OF REINFORCING BAR
DBA	DEFORMED BAR ANCHORS
DBL	DOUBLE
DET	DETAIL
DIA (OR Ø)	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DK	DECK
DN	DOWN
DWG	DRAWING
DWL	DOWEL
E.F.	EACH FACE
E.J.	EXPANSION JOINT (SEISMIC SEPARATION JOINT)
E.W.	EACH WAY
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENG	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST (E)	EXISTING
EXP	EXPANSION / EXPOSED
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.F.	FINISH FLOOR
F.V.	FIELD VERIFY
FDTN	FOUNDATION
FIN	FINISH
FL	FLOOR
FT	FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GLB	GLU-LAMINATED BEAM
GR	GRADE
GSN	GENERAL STRUCTURAL NOTES
HB	HORIZONTAL BRIDGING
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHORS
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
I.F.	INSIDE FACE
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
IN	INCH
INSUL	INSULATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS - 1,000 POUNDS
KLF	KIPS PER LINEAL FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
Ld, Lt, Lsb, Lsbt, Ldc, Lsc	SEE CONCRETE REINFORCING BAR DEVELOPMENT AND LAP LENGTH SCHEDULE
LF	LINEAL FOOT
LFRS	LATERAL FORCE RESISTING SYSTEM (SFRS & WFRS)
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NORM	NORMAL
NTS	NOT TO SCALE
O.C.	ON CENTER
O.F.	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
P.T.	POST-TENSIONED
PCF	POUNDS/CUBIC FOOT
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS/LINEAL FOOT
PNL	PANEL
PSF	POUNDS/SQ FOOT
PSI	POUNDS/SQ INCH
R.D.	ROOF DRAIN
REINF	REINFORCING

ABBREVIATIONS

REQD	REQUIRED
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SI	SPECIAL INSPECTION (SP. INSP.)
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
T & B	TOP AND BOTTOM
T.O.	TOP OF
TEMP	TEMPERATURE
THDS	THREADS
TOC	TOP OF CONCRETE
TOCP	TOP OF CONCRETE PIER
TOF	TOP OF FOOTING
TOS	TOP OF SLAB
TOST	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W.P.	WORK POINT
W/	WITH
WF	WIDE FLANGE
WFRS	WIND FORCE RESISTING SYSTEM
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

PLAN MARKS

BF-#	BRACED FRAME
CB-#	CONCRETE BEAM
CC-#	CONCRETE COLUMN
CCSS-#	CANTILEVERED CONCRETE SUSPENDED SLAB
CDP-#	CONCRETE DRILLED PIER
CFW-#	CONCRETE FOUNDATION WALL
CGB-#	CONCRETE GRADE BEAM
CJ-#	CONCRETE JOIST
CJC-#	CONCRETE JAMB COLUMN
CL-#	CONCRETE LINTEL
CP-#	CONCRETE PIER
CRW-#	CONCRETE RETAINING WALL
CSG-#	CONCRETE SLAB ON GRADE
CSH-#	CONCRETE SHEAR HEAD
CSS-#	CONCRETE SUSPENDED SLAB
CSW-#	CONCRETE SHEAR WALL
CW-#	CONCRETE WALL
FC#	CONTINUOUS FOOTING
FM#	MAT FOOTING
FR#	RECTANGULAR FOOTING
FS#	SQUARE FOOTING
FTS#	THICKENED SLAB FOOTING
HD-#	HOLD DOWN ANCHOR
MC-#	MASONRY COLUMN
MF-#	MOMENT FRAME
ML-#	MASONRY LINTEL
MP-#	MASONRY PIER
MW-#	MASONRY WALL
PTB-#	POST-TENSIONED CONCRETE BEAM
SBP-#	STEEL BASE PLATE
SC-#	STEEL COLUMN
SCP-#	STEEL CAP PLATE
SD-#	STEEL DECK
SDA-#	STEEL DECK ATTACHMENT
SG-#	STEEL GIRDER
SJ-#	STEEL JOIST
SND-#	SNOW DRIFT
WB-#	WOOD BEAM
WBW-#	WOOD BEARING WALL
WC-#	WOOD COLUMN
WD-#	WOOD DIAPHRAGM
WJ-#	WOOD JOIST
WSW-#	WOOD SHEAR WALL

DRAWING INDEX

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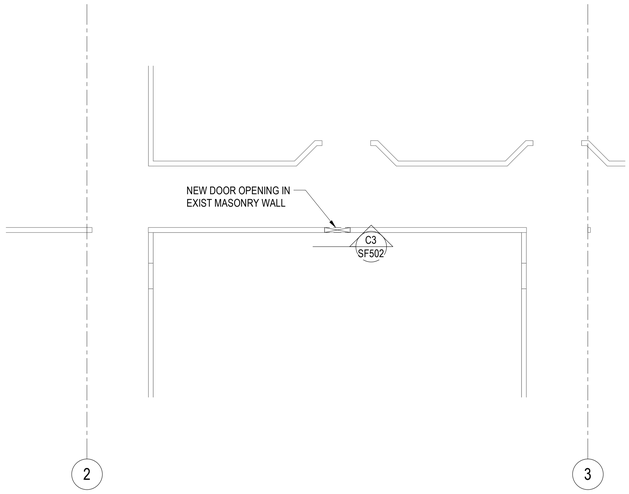
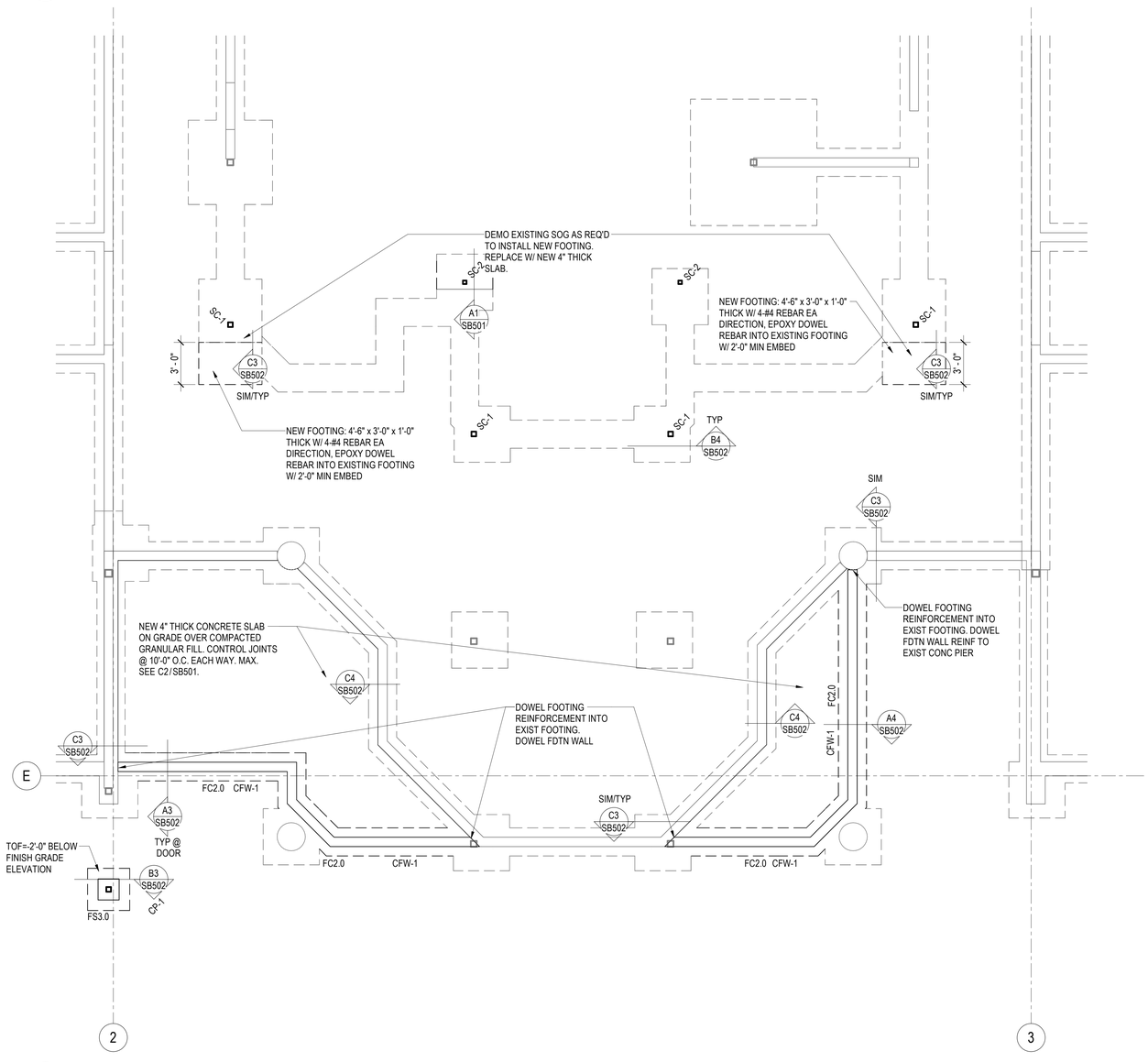
LEGENDS & ABBREVIATIONS

SE003 REV



D1 SB101 PARTIAL FOOTING & FOUNDATION PLAN - AREA B

SCALE: 1/8" = 1'-0"



A1 SB101 PARTIAL FOOTING & FOUNDATION PLAN - AREA B

SCALE: 1/4" = 1'-0"

EXISTING BUILDING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.

3. ** INDICATES OPEN-WEB STEEL JOISTS FIELD BOLTED/SPLICED TO ALLOW FOR JOIST INSTALLATION.

FOOTING & FOUNDATION PLAN NOTES

1. SEE TYPICAL STEP DETAIL AT CONTINUOUS FOOTING FOR REINFORCING REQUIREMENTS C1/SB501 .

2. PROVIDE REINFORCEMENT AT WALL ENDS, INTERSECTIONS AND OPENINGS PER TYPICAL DETAILS D1/SB501 .

3. DOWEL ALL CONCRETE WALLS TO FOOTING PER TYPICAL DETAIL D4/SB501.

4. PROVIDE COMPACTED STRUCTURAL FILL UNDER ALL CONCRETE FOOTINGS PER TYPICAL DETAIL B5/SB501.

SLAB ON GRADE PLAN NOTES

1. ALL SLABS ON GRADE SHALL BE 4 INCHES THICK, UNLESS NOTED OTHERWISE. SEE TYPICAL CONCRETE SLAB ON GRADE PROFILE DETAIL B4/SB501 FOR SUBGRADE REQUIREMENTS.

2. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.

3. SEE ARCHITECTURAL DRAWINGS AND FINISH SCHEDULE FOR SLAB DEPRESSIONS, SLOPES TO DRAINS AND SLAB AREAS TO RECEIVE FLOOR TILE.

4. SEE TYPICAL CONCRETE SLAB ON GRADE DETAILS FOR CONSTRUCTION JOINTS, CONTROL JOINTS AND ADDITIONAL SLAB REINFORCING C2/SB501 .

5. SUBMIT SLAB ON GRADE CONTROL JOINT PLAN FOR REVIEW.

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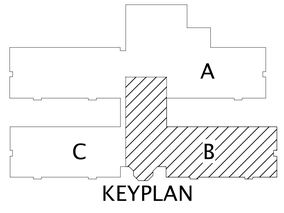
STATE OF UTAH

01/22/2024



KEYPLAN

PROJECT NORTH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

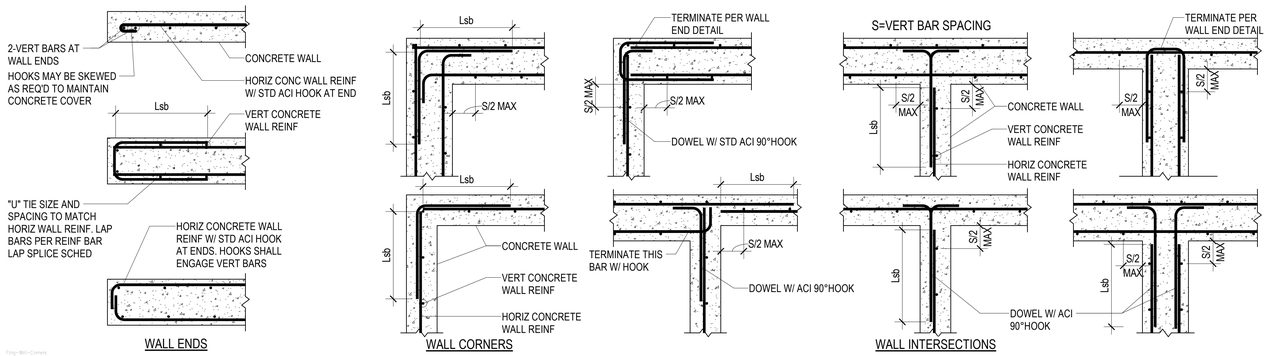
JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

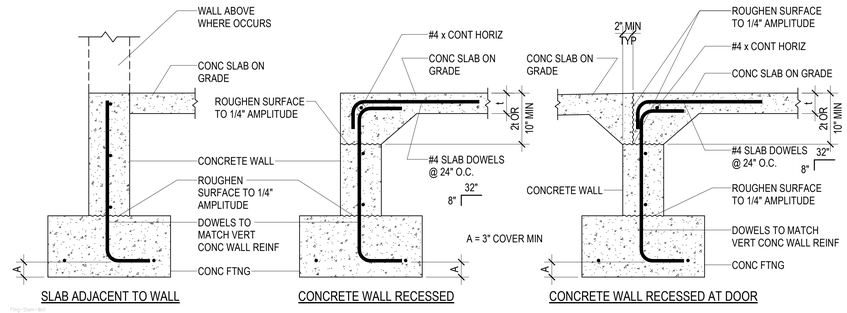
PARTIAL FOOTING & FOUNDATION PLANS - AREA B

SB101 REV



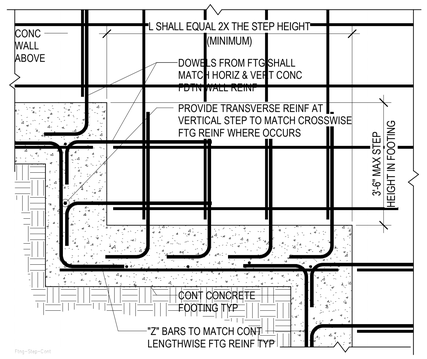
D1 SB501 — TYPICAL CONCRETE WALL REINFORCING AT ENDS, CORNERS AND INTERSECTIONS (PLAN VIEWS)

NO SCALE



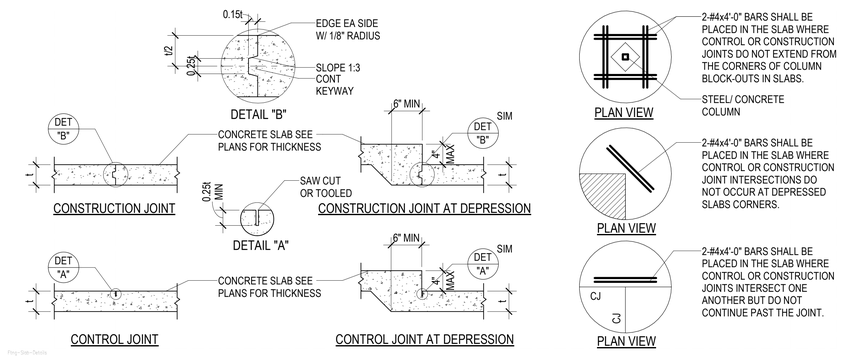
D4 SB501 — TYPICAL CONCRETE FOUNDATION WALL WITH CONCRETE SLAB ON GRADE

NO SCALE



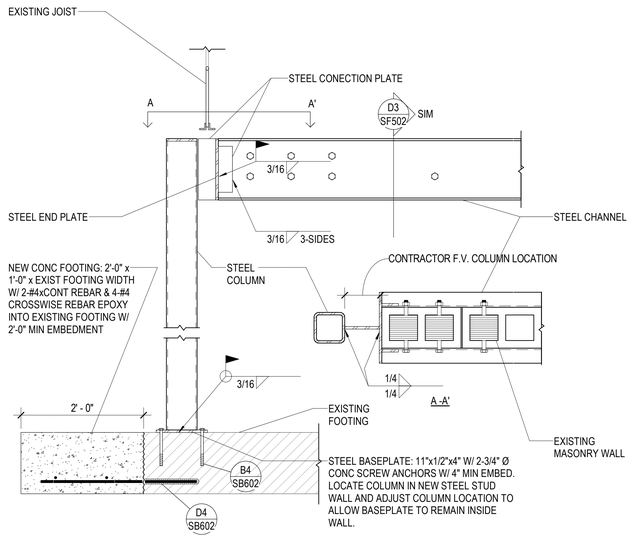
C1 SB501 — TYPICAL STEP DETAIL AT CONTINUOUS FOOTING

NO SCALE



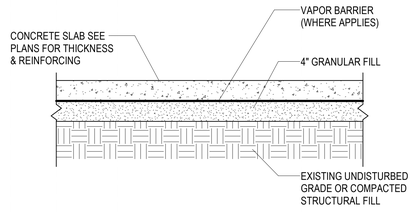
C2 SB501 — TYPICAL CONCRETE SLAB ON GRADE DETAILS

NO SCALE



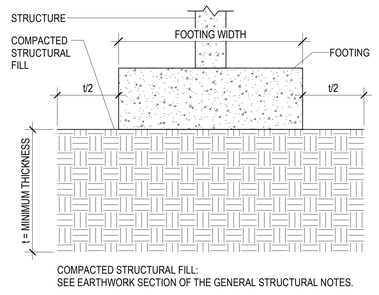
A1 SB501 — NEW STEEL COLUMN

NO SCALE



B4 SB501 — TYPICAL CONCRETE SLAB ON GRADE PROFILE

NO SCALE



B5 SB501 — TYPICAL COMPACTED STRUCTURAL FILL DETAIL

NO SCALE

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JORDAN SCHOOL DISTRICT

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WEST JORDAN, UT 84088

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TYPICAL FOOTING & FOUNDATION DETAILS

SB501 REV

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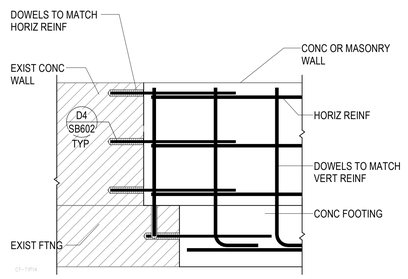
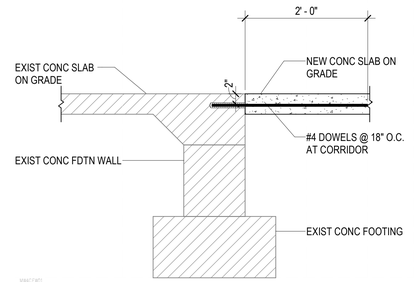


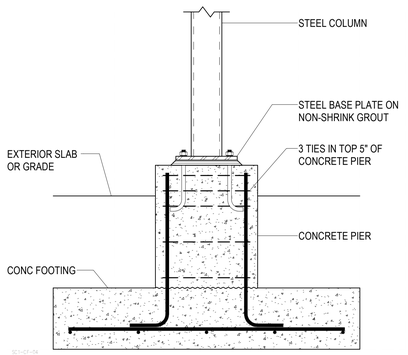
C3 SB502 NEW WALL & FOOTING TO EXISTING STRUCTURE

NO SCALE



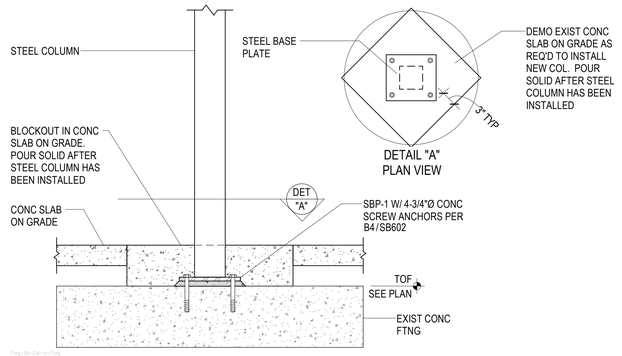
C4 SB502 NEW CONCRETE SLAB ON GRADE AT EXISTING BUILDING

NO SCALE



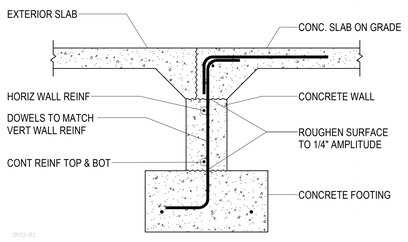
B3 SB502 TYPICAL STEEL COLUMN BASE AT CONCRETE PIER

NO SCALE



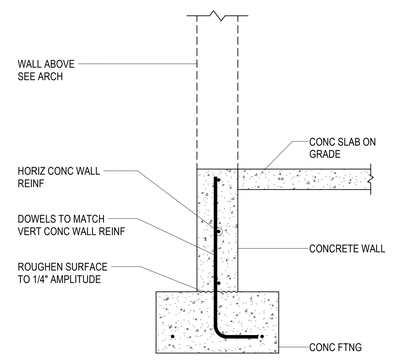
B4 SB502 TYPICAL STEEL COLUMN CONNECTION TO CONCRETE FOOTING

NO SCALE



A3 SB502 TYPICAL CONCRETE SLAB TO FOUNDATION WALL AT DOOR OPENING

NO SCALE



A4 SB502 TYPICAL CONCRETE FOUNDATION WALL DETAIL

NO SCALE

CONSTRUCTION DOCUMENTS

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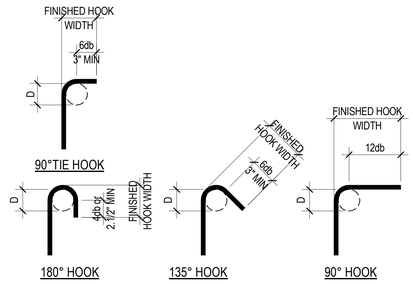
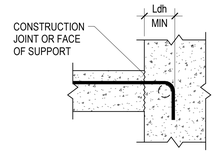
TYPICAL FOOTING & FOUNDATION DETAILS

SB502 REV



END HOOK SCHEDULE					
BAR SIZE	D	FINISHED HOOK WIDTH			
		180° HOOK	135° HOOK	90° HOOK	90° TIE HOOK
#3	2.1/4"	3"	4.1/4"	6"	4"
#4	3"	4"	4.1/2"	8"	4.1/2"
#5	3.1/4"	5"	5.1/2"	10"	6"
#6	4.1/2"	6"	8"	12"	--
#7	5.1/4"	7"	9"	14"	--
#8	6"	8"	10.1/2"	16"	--
#9	9.1/2"	11.3/4"	--	19"	--
#10	10.3/4"	13.1/4"	--	22"	--
#11	12"	14.3/4"	--	24"	--
#14	18.1/4"	21.3/4"	--	31"	--
#18	24"	28.1/2"	--	41"	--

D1 / SB601 REINFORCEMENT END HOOK SCHEDULE
NO SCALE



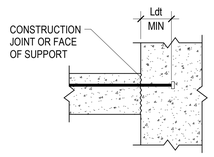
TENSION HOOK DEVELOPMENT LENGTH (Ldh)					
BAR SIZE	NORMAL WEIGHT CONCRETE, f'c = PSI				
	3,000	4,000	4,500	5,000	6,000
#3	6"	6"	6"	6"	6"
#4	8"	7"	7"	7"	7"
#5	10"	9"	8"	8"	7"
#6	12"	10"	10"	9"	8"
#7	14"	12"	11"	11"	10"
#8	16"	14"	13"	12"	11"
#9	18"	15"	14"	14"	13"
#10	20"	17"	16"	15"	14"
#11	22"	19"	18"	17"	16"
#14	37"	32"	31"	29"	27"
#18	50"	43"	41"	39"	35"

NOTES:
1. VALUES HERE VALID FOR ALL CASES IF:
   SIDE COVER ≥ 2.1/2"
   END COVER ≥ 2"

2. MULTIPLY VALUES IN SCHEDULE BY 1.33 FOR LIGHTWEIGHT CONCRETE

3. MULTIPLY VALUES IN SCHEDULE BY 1.2 FOR USE WITH EPOXY COATED REBAR

D2 / SB601 TENSION HOOK DEVELOPMENT SCHEDULE
NO SCALE



TENSION HEADED BAR DEVELOPMENT LENGTH (Ldt)					
BAR SIZE	NORMAL WEIGHT CONCRETE, f'c = PSI				
	3,000	4,000	4,500	5,000	6,000
#3	7"	6"	6"	6"	6"
#4	9"	8"	8"	7"	7"
#5	11"	10"	9"	9"	8"
#6	14"	12"	11"	11"	10"
#7	16"	14"	13"	12"	11"
#8	18"	16"	15"	14"	13"
#9	20"	18"	17"	16"	14"
#10	23"	20"	19"	18"	16"
#11	25"	22"	21"	20"	18"

NOTES:
1. VALUES HERE VALID FOR ALL CASES IF:
   A. CLEAR COVER OF BAR ≥ 2*db. WHERE db IS BAR DIAMETER IN INCHES
   B. CLEAR SPACING BETWEEN BARS ≥ 4*db
   C. NET BEARING AREA OF HEAD Abrg ≥ 4*Ab, WHERE Ab IS AREA OF BAR

2. MULTIPLY VALUES IN SCHEDULE BY 1.2 FOR USE WITH EPOXY COATED REBAR.

3. FOR GRADE 60 REINFORCING ONLY.

D3 / SB601 TENSION HEADED BAR DEVELOPMENT SCHEDULE
NO SCALE

CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPLICE LENGTH SCHEDULE																						
BAR SIZE	f'c = 3000 PSI				f'c = 4000 PSI				f'c = 4500 PSI				f'c = 5000 PSI				f'c = 6000 PSI				f'c = ALL	
	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ldc	Lsc
#3	17"	22"	22"	28"	15"	19"	19"	25"	14"	18"	18"	23"	13"	17"	17"	22"	12"	16"	16"	20"	8"	12"
#4	22"	29"	29"	38"	19"	25"	25"	33"	18"	24"	24"	31"	17"	23"	23"	29"	16"	21"	21"	27"	10"	15"
#5	28"	36"	36"	47"	24"	31"	31"	41"	23"	30"	30"	38"	22"	28"	28"	36"	20"	26"	26"	33"	12"	19"
#6	33"	43"	43"	56"	29"	37"	37"	49"	27"	35"	35"	46"	26"	34"	34"	44"	24"	31"	31"	40"	15"	23"
#7	48"	63"	63"	81"	42"	54"	54"	71"	40"	51"	51"	67"	38"	49"	49"	63"	34"	45"	45"	58"	17"	27"
#8	55"	72"	72"	93"	48"	62"	62"	81"	45"	59"	59"	76"	43"	56"	56"	72"	39"	51"	51"	66"	19"	30"
#9	62"	81"	81"	105"	54"	70"	70"	91"	51"	66"	66"	86"	48"	63"	63"	81"	44"	57"	57"	74"	22"	34"
#10	70"	91"	91"	118"	61"	79"	79"	102"	57"	74"	74"	96"	54"	71"	71"	92"	50"	64"	64"	84"	24"	39"
#11	78"	101"	101"	131"	67"	87"	87"	114"	64"	82"	82"	107"	60"	78"	78"	102"	55"	71"	71"	93"	27"	43"
#14	93"	121"	NA	NA	81"	105"	NA	NA	76"	99"	NA	NA	72"	94"	NA	NA	66"	86"	NA	NA	33"	NA
#18	124"	161"	NA	NA	108"	140"	NA	NA	101"	132"	NA	NA	96"	125"	NA	NA	88"	114"	NA	NA	43"	NA

NOTES:
1. DEFINITIONS:
   Ld: TENSION DEVELOPMENT LENGTH FOR REINFORCEMENT SATISFYING THE FOLLOWING CONDITIONS:
   SLABS AND WALLS: CLEAR SPACING > 2db AND CONCRETE CLEAR COVER > db
   BEAMS AND COLUMNS: CLEAR COVER SPACING > db AND CONCRETE CLEAR COVER > db
   Lt: DEVELOPMENT LENGTH FOR TOP BARS IN TENSION
   Lsb: TENSION LAP SPLICE LENGTH FOR OTHER THAN TOP BARS (CLASS B)
   Lsbt: TENSION LAP SPLICE LENGTH OF TOP BARS.
   Ldc: DEVELOPMENT LENGTH FOR BARS IN COMPRESSION
   Lsc: TIED COLUMN LAP SPLICE IN COMPRESSION
   db: NOMINAL BAR DIAMETER (INCHES)
   TOP BARS: HORIZONTAL BEAM REINFORCEMENT WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW

2. MULTIPLY VALUES IN SCHEDULE BY 1.5 IF CLEAR SPACING OR CONCRETE COVER DO NOT MEET REQUIREMENTS FOR Ld IN NOTE 1.

3. MULTIPLY VALUES IN SCHEDULE BY 1.3 FOR USE IN LIGHTWEIGHT AGGREGATE CONCRETE.

4. FOR EPOXY COATED BAR: MULTIPLY VALUES IN SCHEDULE BY 1.5 FOR BARS WITH CLEAR COVER < 3db OR CLEAR SPACING < 6db. OTHERWISE MULTIPLY VALUES BY 1.2.

5. a. FOR BUNDLED BARS OF THREE OR LESS MULTIPLY LENGTHS BY 1.2.
   b. FOR BUNDLED BARS OF FOUR OR MORE MULTIPLY LENGTHS BY 1.33.
   c. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.

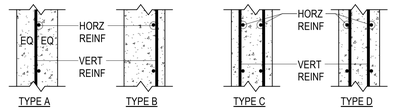
6. SCHEDULE LENGTHS ARE FOR fy=60ksi REINFORCING, MULTIPLY LENGTHS BY 1.25 FOR fy=75ksi REINFORCING.

7. LAP SPLICES ARE NOT PERMITTED FOR #14 & #18 BARS. USE BAR COUPLERS PER G.S.N.

CONCRETE FOUNDATION WALL SCHEDULE					
MARK	THICK	HORIZONTAL REINFORCING	VERTICAL REINFORCING	T & B HORIZ. BARS	PLACEMENT
CFW-1	8"	#5 @ 14" O.C.	#4 @ 16" O.C.	1-#5	TYPE A

NOTES:
1. HORIZONTAL WALL REINFORCING SHALL BE CONTINUOUS THRU CONSTRUCTION & CONTROL JOINTS.
2. SPLICES IN HORIZONTAL WALL REINFORCING SHALL BE TYPE Lsb, STAGGERED SUCH THAT SPLICES DO NOT OVERLAP. SPLICES IN TWO CURTAINS SHALL NOT OCCUR IN THE SAME LOCATION.

PLACEMENT TYPE

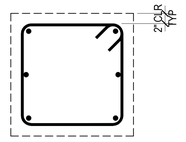


E.F. = EACH FACE
O.F. = OUTSIDE FACE (AGAINST SOIL)
I.F. = INSIDE FACE
3L = THREE LAYERS

CONCRETE FOOTING SCHEDULE												
MARK	WIDTH	LENGTH	THICK	CROSSWISE REINFORCING				LENGTHWISE REINFORCING				REMARKS
				NO.	SIZE	LENGTH	SPACE	NO.	SIZE	LENGTH	SPACE	
FC2.0	2' - 0"	CONT.	1' - 0"	--	NONE	REQ'D	--	3	#4	CONT.	9"	
FS3.0	3' - 0"	3' - 0"	1' - 0"	5	#4	2' - 6"	7.5"	5	#4	2' - 6"	7.5"	

1. PLACE ALL FOOTING REINFORCING IN BOTTOM OF FOOTING WITH 3" CLEAR CONCRETE COVER UNLESS NOTED OTHERWISE.
2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" CLEAR CONCRETE COVER.
3. SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS AND CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER WALLS, UNLESS NOTED OTHERWISE.
4. ALL FOOTINGS SHALL BE FORMED. FOOTINGS SHALL NOT BE EARTH FORMED OR OVERSIZED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.

CONCRETE PIER SCHEDULE					
MARK	DIMENSIONS		REINFORCING		REMARKS
	DEPTH	WIDTH	VERTICAL	TIES	
CP-1	1' - 6"	1' - 6"	6-#6	#3 @ 12" O.C.	



CP-1

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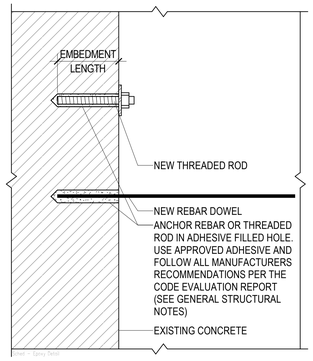
CONCRETE SCHEDULES

SB601 REV



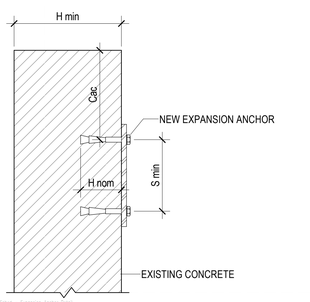
ADHESIVE ANCHORS IN CONCRETE SCHEDULE			
REINFORCING BAR		THREADED ROD	
DOWEL SIZE	EMBEDMENT LENGTH (SEE NOTE #2)	SIZE	EMBEDMENT LENGTH (SEE NOTE #2)
#3	4"	3/8"Ø	4 1/2"
#4	6"	1/2"Ø	6"
#5	9"	5/8"Ø	7 1/2"
#6	10"	3/4"Ø	9"
#7	12 1/2"	7/8"Ø	10 1/2"
#8	13"	1"Ø	12"
#9	14"	1 1/4"Ø	15"
#10	18"		
#11	19"		

NOTES:

1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS AND AT OTHER LOCATIONS WITH APPROVAL OF THE STRUCTURAL ENGINEER.
2. EMBEDMENT LENGTHS SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER EMBEDMENT LENGTHS IN THIS SCHEDULE.
3. WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER IS NOT SUFFICIENT TO ACHIEVE SCHEDULED EMBEDMENT AND SPECIFIED CLEAR COVER FOR THE ANCHOR, CONTACT THE STRUCTURAL ENGINEER.
4. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ADHESIVES AND OTHER REQUIREMENTS FOR ADHESIVE ANCHORING.

D4 / SB602 ADHESIVE ANCHORS IN CONCRETE SCHEDULE

NO SCALE



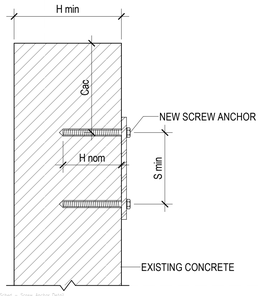
EXPANSION ANCHORS IN CONCRETE SCHEDULE				
ANCHOR SIZE	MINIMUM EDGE DISTANCE (Cac)	EMBEDMENT LENGTH (H nom)	MINIMUM CONCRETE THICKNESS (H min)	MINIMUM ANCHOR SPACING (S min)
3/8"Ø	6.1/2"	2.7/8"	4.1/2"	3.3/4"
1/2"Ø	10"	3.7/8"	6"	5"
5/8"Ø	10"	5.1/8"	8"	6"
3/4"Ø	16"	5.3/4"	10"	7"

NOTES:

1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS. ANCHORS AT OTHER LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. EDGE DISTANCE, Cac, AND EMBEDMENT LENGTHS, H nom, AND ANCHOR SPACING SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER VALUES IN THIS SCHEDULE.
3. ANCHORS LOCATED WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER DOES NOT MEET THE REQUIRED MINIMUM CONCRETE THICKNESS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
4. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ANCHORS AND OTHER REQUIREMENTS FOR USING EXPANSION ANCHORS.

C4 / SB602 EXPANSION ANCHORS IN CONCRETE SCHEDULE

NO SCALE



SCREW ANCHORS IN CONCRETE SCHEDULE				
ANCHOR SIZE	MINIMUM EDGE DISTANCE (Cac)	EMBEDMENT LENGTH (H nom)	MINIMUM CONCRETE THICKNESS (H min)	MINIMUM ANCHOR SPACING (S min)
3/8"Ø	3.3/4"	3.1/4"	5"	3"
1/2"Ø	4.1/2"	4"	6.1/4"	3.1/2"
5/8"Ø	6.3/8"	5.1/2	8.1/2"	3.3/4"
3/4"Ø	7.5/16"	6.1/4"	10"	4.1/2"

NOTES:

1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS AND AT OTHER LOCATIONS WITH APPROVAL OF THE STRUCTURAL ENGINEER.
2. EDGE DISTANCE, Cac, AND EMBEDMENT LENGTHS, H nom, AND ANCHOR SPACING SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER VALUES IN THIS SCHEDULE.
3. ANCHORS LOCATED WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER DOES NOT MEET THE REQUIRED MINIMUM CONCRETE THICKNESS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION..
4. SPECIAL INSPECTION IS REQUIRED DURING INSTALLATION OF ALL SCREW ANCHORS PER THE CODE EVALUATION REPORT FOR THE ANCHOR AND THE QUALITY ASSURANCE SECTION OF THE GENERAL STRUCTURAL NOTES.
5. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ANCHORS AND OTHER REQUIREMENTS FOR USING SCREW ANCHORS.
6. SCREW ANCHORS SHALL ONLY BE USED IN INTERIOR DRY LOCATIONS

B4 / SB602 SCREW ANCHORS IN CONCRETE SCHEDULE

NO SCALE

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01/22/2024

CONSTRUCTION DOCUMENTS

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JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
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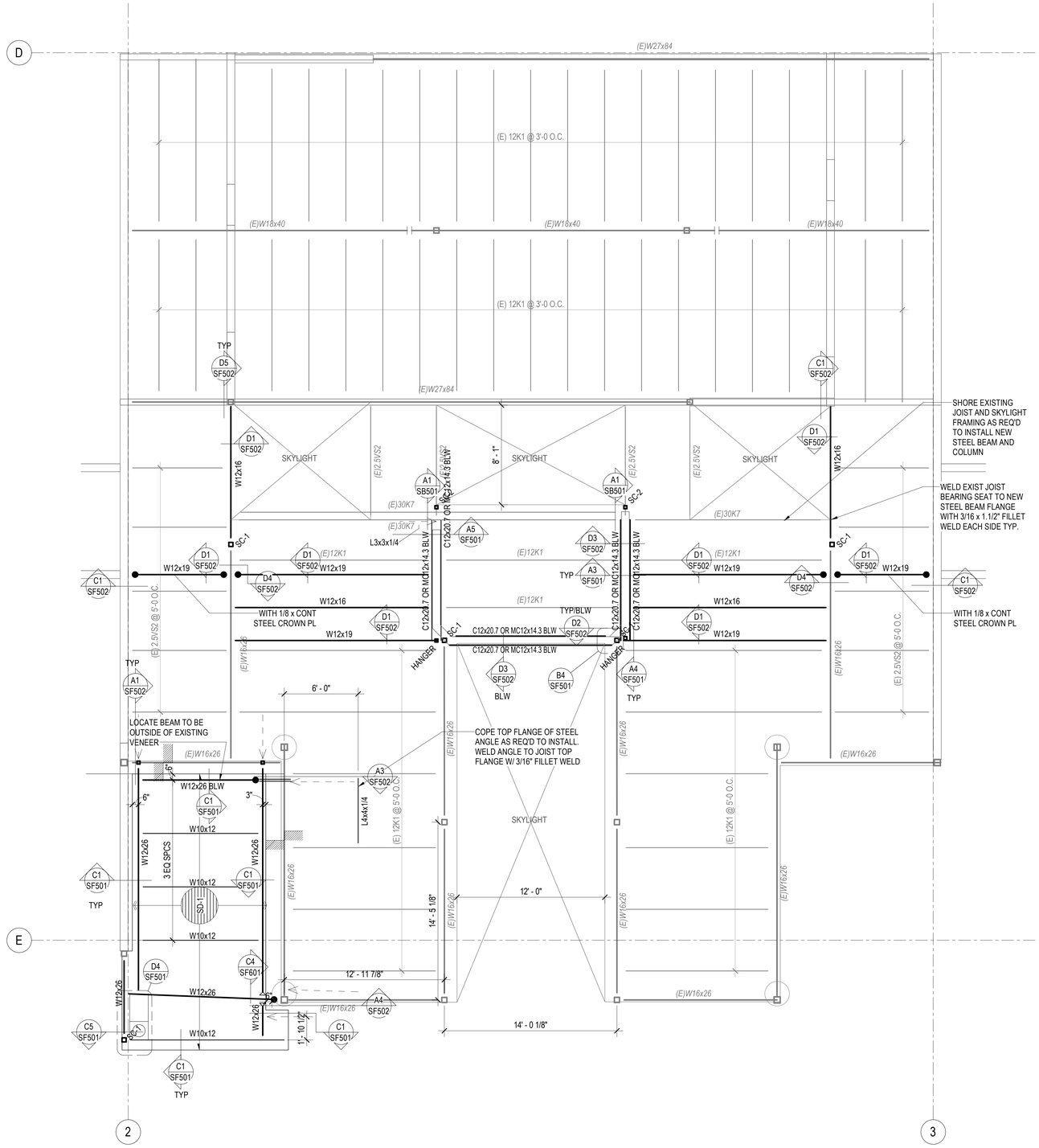
CONCRETE ANCHOR SCHEDULES

SB602 REV



A2 / SF103 PARTIAL LOW ROOF FRAMING PLAN - AREA B

SCALE: 1/4" = 1'-0"

EXISTING BUILDING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.

3. ** INDICATES OPEN-WEB STEEL JOISTS FIELD BOLTED/SPLICED TO ALLOW FOR JOIST INSTALLATION.

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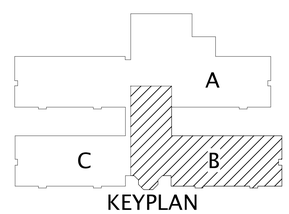

KEYPLAN

PROJECT NORTH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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JORDAN SCHOOL DISTRICT

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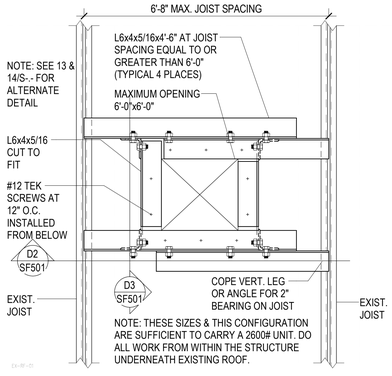
ISSUED DATE: 01/22/2024

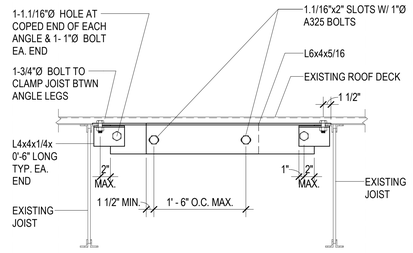
PARTIAL ROOF FRAMING PLANS

SF103 REV



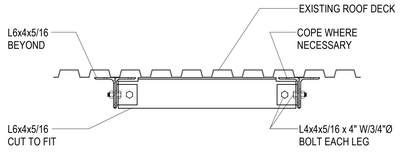
D1 SF501 PLAN VIEW - NEW FRAMING AT EXISTING JOISTS

NO SCALE



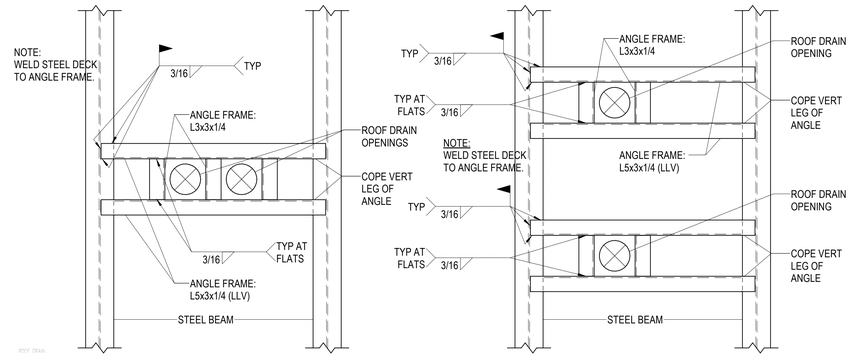
D2 SF501 NEW FRAMING AT EXISTING STEEL JOISTS

NO SCALE



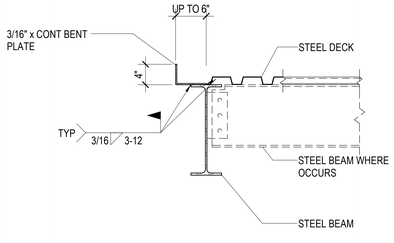
D3 SF501 NEW FRAMING AT EXISTING STEEL JOISTS

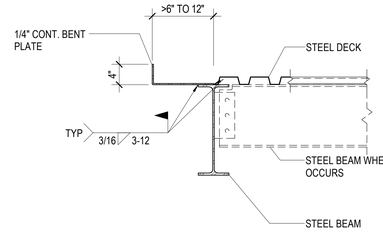
NO SCALE

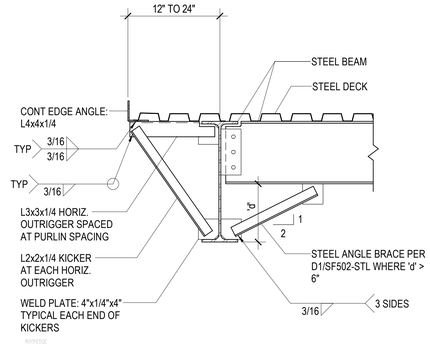


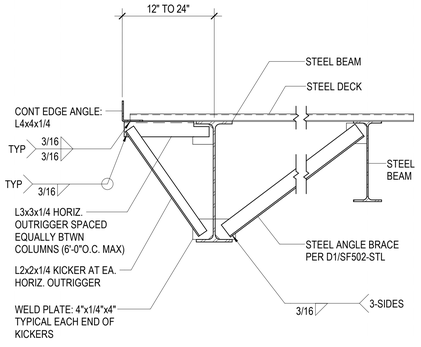
D4 SF501 TYPICAL ROOF DRAIN OPENING (PLAN VIEW)

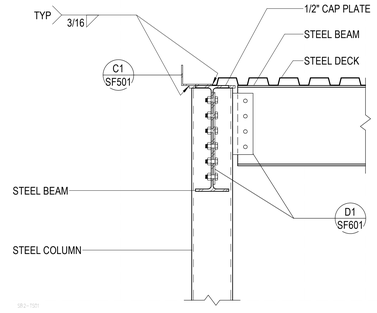
NO SCALE









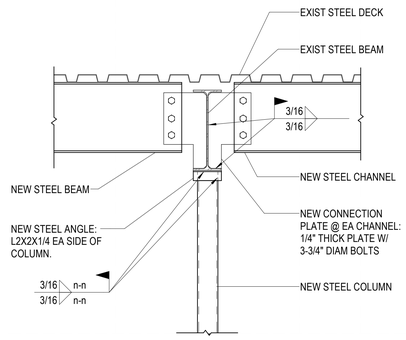


C1 SF501 TYPICAL ROOF EDGE DETAILS AT STEEL BEAMS

NO SCALE

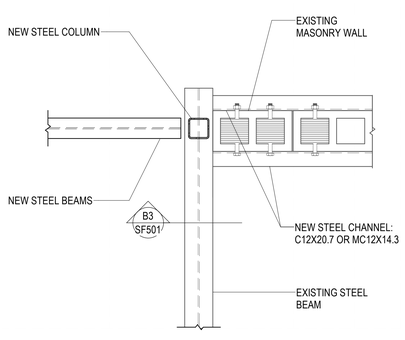
C5 SF501 STEEL BEAM CONNECTION TO STEEL COLUMN

NO SCALE



B3 SF501 STEEL BEAM CONNECTION TO MASONRY WALL

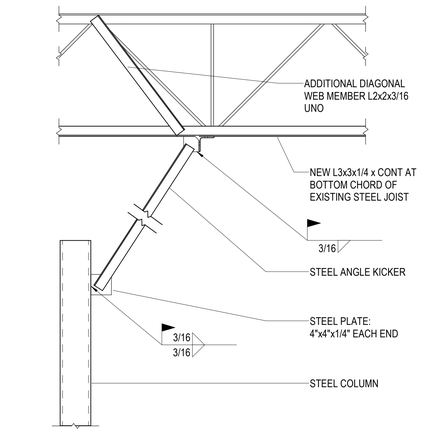
NO SCALE



B4 SF501 STEEL BEAM CONNECTION TO MASONRY WALL

NO SCALE

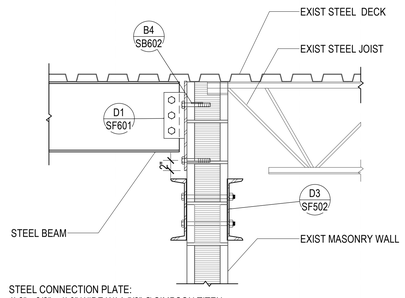
NOTE: WHEN CONCENTRATED LOADS (GREATER THAN 100#) ON OPEN WEB JOISTS OR GIRDERS ARE LOCATED MORE THAN 6 INCHES FROM THE PANEL WORKPOINTS AT EITHER THE TOP OR BOTTOM CHORD ADDITIONAL DIAGONAL WEB MEMBERS SHALL BE FURNISHED AND INSTALLED AT THE LOCATION OF THE CONCENTRATED LOAD BY THE CONTRACTOR.



TYPICAL DETAIL AT ADDITIONAL CONCENTRATED POINT LOAD

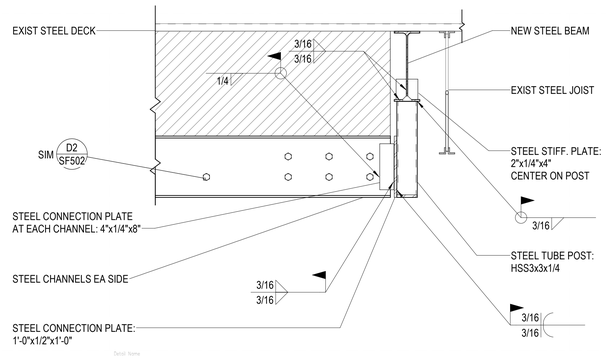
A5 SF501

NO SCALE



A3 SF501 STEEL BEAM CONNECTION TO MASONRY WALL

NO SCALE



A4 SF501 STEEL CHANNEL HEADER TO STEEL COLUMN

NO SCALE

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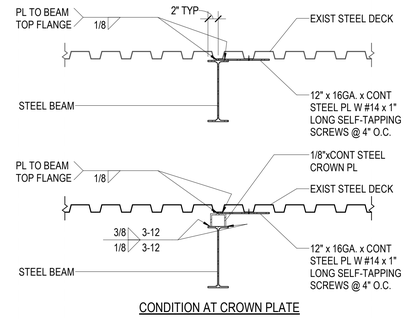
TYPICAL ROOF FRAMING DETAILS

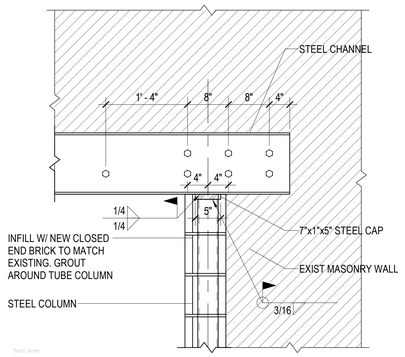
SF501 REV



CONDITION AT CROWN PLATE

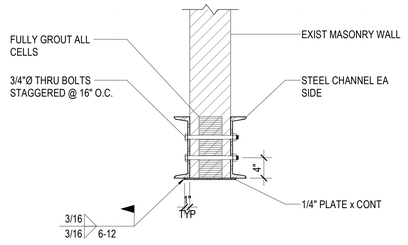
D1 / SF502 NEW STEEL BEAM AT EXISTING STEEL DECK

NO SCALE



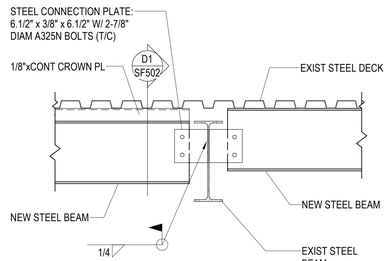
D2 / SF502 STEEL CHANNEL HEADER TO STEEL COLUMN

NO SCALE



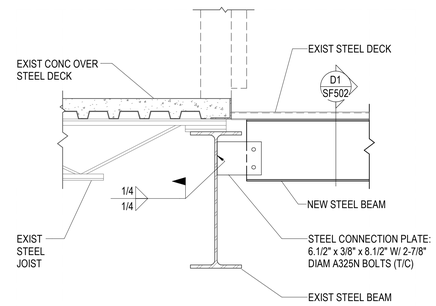
D3 / SF502 STEEL CHANNEL TO EXISTING MASONRY WALL

NO SCALE



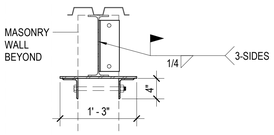
D4 / SF502 NEW STEELS BEAM AT EXISTING STEEL BEAM

NO SCALE

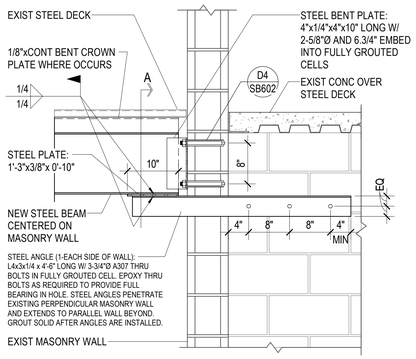


D5 / SF502 NEW STEEL BEAM AT EXISTING STEEL BEAM

NO SCALE

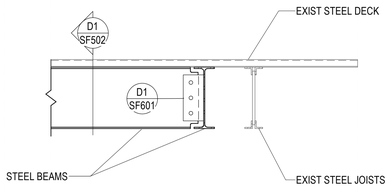


SECTION A



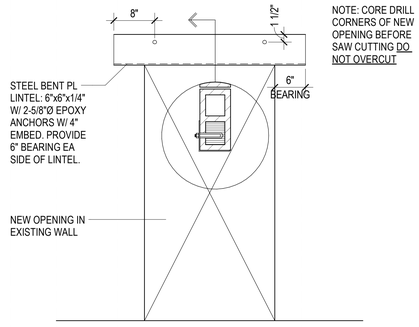
C1 / SF502 NEW STEEL BEAM AT EXIST MASONRY WALL

NO SCALE



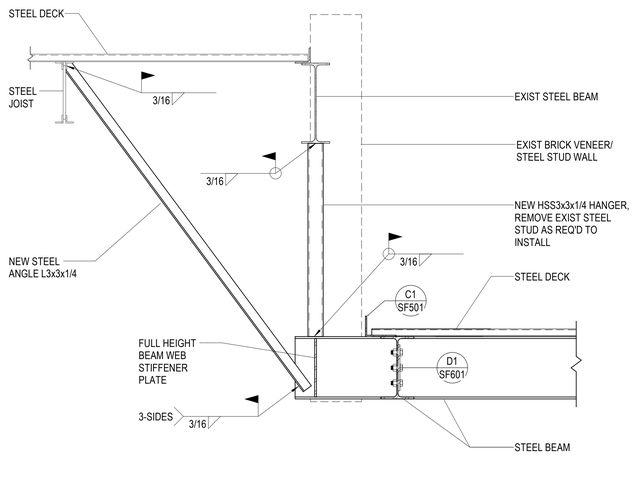
C2 / SF502 NEW STEEL BEAMS AT EXISTING STEEL DECK

NO SCALE



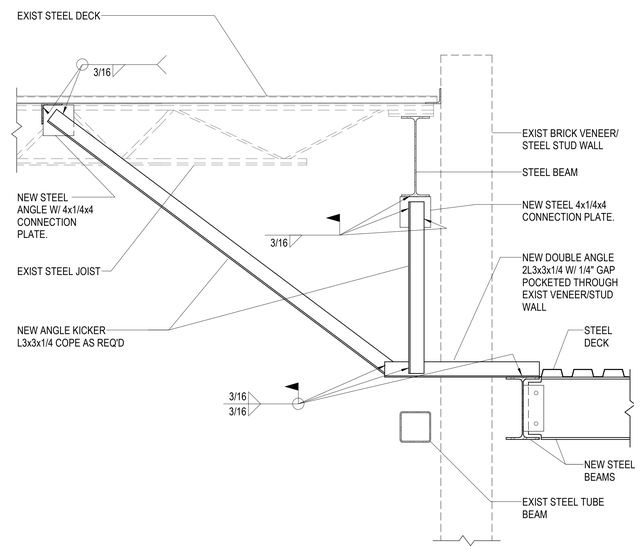
C3 / SF502 TYPICAL NEW OPENING REINFORCING IN EXISTING WALL USING STEEL BENT PLATE

NO SCALE



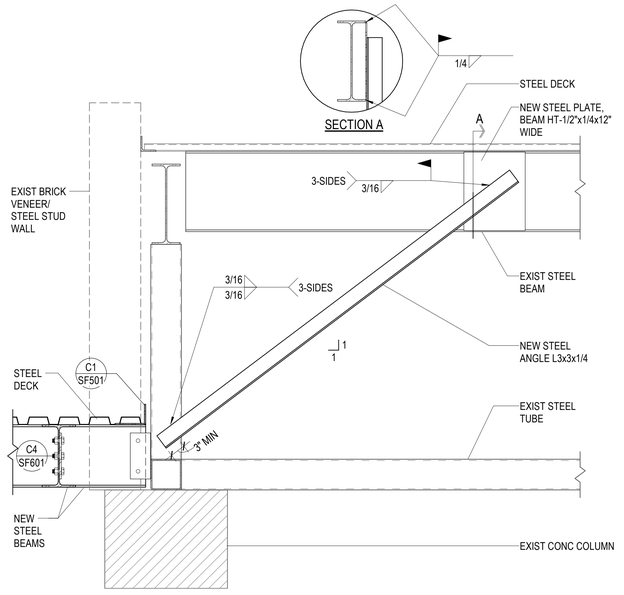
A1 / SF502 NEW STEEL BEAM CONNECTION TO NEW STEEL HANGER AT EXISTING STRUCTURE

NO SCALE



A3 / SF502 NEW CANOPY BRACING DETAIL AT EXISTING STRUCTURE

NO SCALE



A4 / SF502 NEW CANOPY BRACING DETAIL AT EXISTING STRUCTURE

NO SCALE

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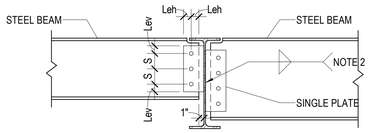
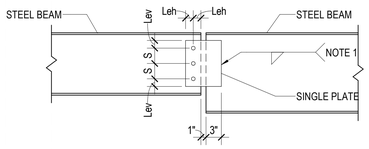
FRAMING DETAILS

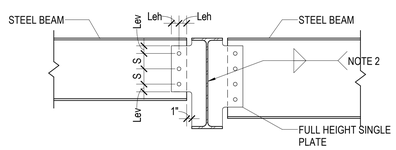
SF502 REV



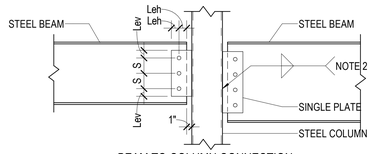
BEAM TO BEAM CONNECTION



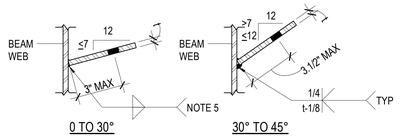
BEAM TO BEAM CONNECTION

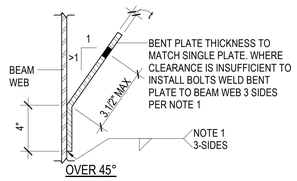


BEAM TO BEAM CONNECTION AT FULL HEIGHT STIFFENER



BEAM TO COLUMN CONNECTION





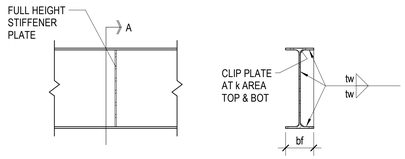
SKEWED CONNECTION (PLAN VIEW)

SINGLE PLATE CONNECTION SCHEDULE			
BEAM SIZE	WEB PLATE THICKNESS (t)	A325N BOLTS	
		NUMBER	SIZE
W8 AND W10	3/8"	2	7/8"Ø
W12 AND W14	3/8"	3	7/8"Ø
W16	3/8"	4	7/8"Ø
W18 AND W21	3/8"	5	7/8"Ø
W24	3/8"	6	7/8"Ø
W27	3/8"	7	7/8"Ø
W30	3/8"	8	7/8"Ø
W33	3/8"	9	7/8"Ø
W36	3/8"	10	7/8"Ø
W40	3/8"	11	7/8"Ø
W44	3/8"	12	7/8"Ø

NOTES:
1. FILLET WELDS ONE SIDE SHALL EQUAL THE PLATE THICKNESS MINUS 1/16" (1/4" MIN.)
2. FILLET WELDS TWO SIDES SHALL BE 5/8 THE PLATE THICKNESS (1/4" MIN.) EACH SIDE
3. BOLT EDGE DISTANCE SHALL BE AS FOLLOWS: Leh = 2 x BOLT DIAMETER; Lev = 1.1/2".
4. BOLT SPACING (S) SHALL BE 3".
5. AT SKEWED JOINTS PROVIDE AN EQUIVALENT LEG SIZE TO NOTE 2 PER AWS D1.1.
6. PROVIDE SHORT SLOTTED HOLES WHEN 6 OR MORE BOLTS ARE REQUIRED AND BOLT DIAMETER IS ≤ 3/4".

D1 / SF601 TYPICAL SINGLE PLATE CONNECTION DETAILS AND SCHEDULE

NO SCALE



SECTION A

WELD SCHEDULE		
bf	THICKNESS*	tw
UP TO 8.25"	1/4"	3/16"
> 8.25" ≤ 12.25"	3/8"	1/4"
> 12.25" ≤ 16.5"	1/2"	5/16"
> 16.5" ≤ 22"	5/8"	5/16"

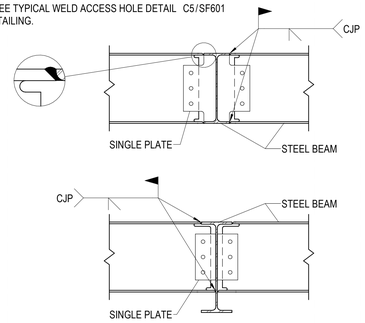
* STIFFENER THICKNESS IS BASED UPON WIDTH OF BEAM FLANGE (bf) UNLESS NOTED OTHERWISE IN DETAILS

STIFFENER PLATE DETAIL

D5 / SF601 TYPICAL STIFFENER PLATE DETAIL

NO SCALE

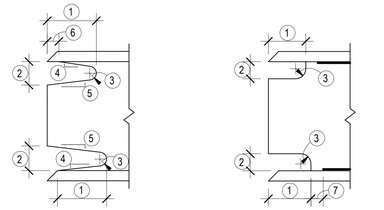
NOTE: SEE TYPICAL WELD ACCESS HOLE DETAIL C5/SF601 FOR DETAILING.



AT STEEL BEAMS

C4 / SF601 TYPICAL GRAVITY BEAM MOMENT CONNECTION

NO SCALE



ROLLED SHAPES AND BUILT-UP SHAPES ASSEMBLED PRIOR TO CUTTING THE WELD ACCESS HOLE.

BUILT-UP SHAPES ASSEMBLED AFTER CUTTING THE WELD ACCESS HOLE.

NOTES:
1. LENGTH: NOT LESS THAN THE GREATER OF 1.5 x WEB THICKNESS OR 1.1/2"
2. HEIGHT: NOT LESS THAN THE GREATER OF 1.0 x WEB THICKNESS OR 3/4" BUT NEED NOT EXCEED 2"
3. RADIUS: 3/8" MIN. GRIND THE THERMALLY CUT SURFACES OF WELD ACCESS HOLES IN HEAVY SHAPES AS DEFINED IN AISC 360-16 SECTIONS A3.1(c) AND (d).
4. SLOPE FORMS A TRANSITION FROM WEB TO THE FLANGE.
5. SLOPE MAY BE HORIZONTAL.
6. THE BOTTOM OF THE TOP FLANGE IS TO BE CONTOURED TO PERMIT THE TIGHT FIT BACKING BARS WHERE THEY ARE TO BE USED.
7. THE WEB-TO-FLANGE WELD OF BUILT-UP MEMBERS IS TO BE HELD BACK A DISTANCE OF AT LEAST THE WELD SIZE FROM THE EDGE OF THE ACCESS HOLE.

C5 / SF601 TYPICAL WELD ACCESS HOLE DETAIL

NO SCALE

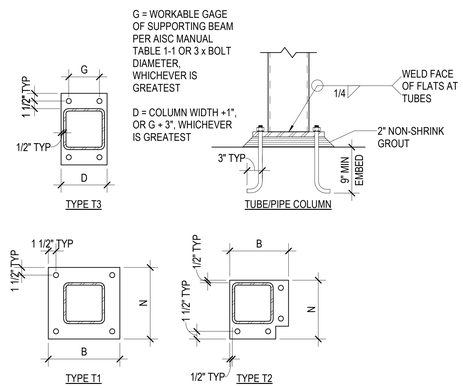
STEEL COLUMN SCHEDULE				
MARK	SIZE	STEEL BASE PLATE	STEEL CAP PLATE	REMARKS
SC-1	HSS4x4x1/4	SBP-1	3/4" SCP-1	--
SC-2	HSS3x3x3/8	SEE DETAIL	1/2" CLOSURE PL	--

NOTES:
1. UNLESS NOTED OTHERWISE, ALL COLUMNS SHALL BE INSTALLED W/4-3/4" DIAMETER A.B. W/ 3" (MIN) HOOKS. PROJECT ANCHOR BOLTS 3" (MIN) ABOVE THE TOP OF THE BASE PLATE. EMBEDMENT SHALL BE 9" (MIN). ALL BOLTS SHALL BE INSTALLED W/ HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLES LARGER THAN THE BOLT DIAMETER PLUS 5/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. ALL BOLTS IN CAP PLATES SHALL BE 3/4" DIA, A325N BOLTS TYPICAL U.N.O.
3. COLUMN SPLICES SHALL BE LOCATED PER SPLICE DETAILS, TYPICAL, U.N.O.
4. WELDS SHALL NOT BE MADE TO ANCHOR BOLTS.

STEEL BASE PLATE SCHEDULE						
BASE PLATE MARK	N	B	THICK-NESS	C	TYPE	REMARKS
SBP-1	10"	10"	3/4"	--	T1	

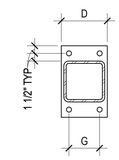
NOTES:
1. BASE PLATES BEARING ON CONCRETE SHALL BE INSTALLED W/ 4-3/4"Ø ANCHOR RODS UNO. PROJECT ANCHOR RODS 3" (MIN.) ABOVE THE TOP OF THE BASE PLATE. ALL BOLTS SHALL BE INSTALLED W/ HARDENED WASHERS BENEATH THE NUT. ANY BOLT HOLES LARGER THAN THE BOLT DIAMETER PLUS 5/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
2. BASE PLATES BEARING ON STEEL SHALL BE INSTALLED W/4-7/8"Ø A325 BOLTS, UNLESS NOTED OTHERWISE.
3. DO NOT WELD ANCHOR RODS

NEW BASE PLATE



A3 / SF601 TYPICAL STEEL BASE PLATE SCHEDULE & DETAILS FOR GRAVITY COLUMNS

NO SCALE



G = WORKABLE GAGE OF SUPPORTED BEAM PER AISC MANUAL TABLE 1-1 OR 3 x BOLT DIAMETER, WHICHEVER IS GREATEST.

D = COLUMN WIDTH + 1", BEAM WIDTH + 1", OR G + 3", WHICHEVER IS GREATEST.

NOTES:
1. ALL BOLTS IN CAP PLATES SHALL BE 5/8"Ø LAG BOLTS IN STANDARD HOLES TYPICAL UNO.
2. CAP PLATE THICKNESS SHALL BE 3/4" TYPICAL UNO.

NEW CAP PLATE

A5 / SF601 TYPICAL STEEL CAP PLATE DETAILS FOR GRAVITY COLUMNS

NO SCALE

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ISSUED DATE: 01/22/2024

TYPICAL STEEL FRAMING SCHEDULES

SF601 REV

STEEL DECK SCHEDULE

STEEL DECK SCHEDULE

MARK	STEEL DECK				CONCRETE FILL			STEEL DECK ATTACHMENT	MIN. ALLOWABLE SHEAR CAPACITY	NOTES
	PROFILE	MIN I (in⁴/ft)	MIN S (in³/ft)	FINISH	THICKNESS (t)	TYPE	REINFORCEMENT			
SD-1	TYPE B 1.1/2" DEEP x 20 GA	0.219	0.230	GALVANIZED (G60)	-	-	-	SDA-1	1304 PLF @ 6'-0"	-

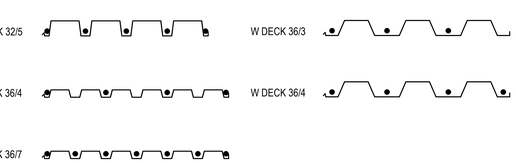
NOTES:
1. STEEL DECK SHALL COMPLY WITH LATEST REQUIREMENTS OF THE STEEL DECK INSTITUTE (SDI).
2. SUBMIT CURRENT CODE EVALUATION REPORT (ICC OR IAPMO) WITH LOAD AND LATERAL SHEAR CAPACITIES WITH SHOP DRAWINGS.
3. FIBER REINFORCEMENT, WHEN REQUIRED IN SCHEDULE, SHALL BE MACROSYNTHETIC FIBER REINFORCEMENT PER THE CONCRETE MATERIALS SECTION OF THE GENERAL STRUCTURAL NOTES.
4. ALL DECK SHALL BE 3-SPAN CONTINUOUS MINIMUM WHERE POSSIBLE. IN AREAS WHERE 3-SPAN CONDITIONS ARE NOT POSSIBLE THE CONTRACTOR SHALL VERIFY UN-SHORED DECK IS PERMITTED BY THE DECK MANUFACTURER FOR THE SPAN CONDITION, SPAN LENGTH, AND DECK GAUGE. WHERE DECK DOES NOT MEET THE REQUIREMENTS FOR UN-SHORED DECK, THE CONTRACTOR SHALL EITHER PROVIDE HEAVIER GAUGE DECK TO ALLOW FOR UN-SHORED DECK OR PROVIDE SHORING.
5. STEEL DECK WITHOUT CONCRETE FILL SHALL NOT BE USED TO SUPPORT LOADS FROM PLUMBING, HVAC DUCTS, LIGHT FIXTURES, ARCHITECTURAL ELEMENTS OR EQUIPMENT OF ANY KIND, UNLESS SPECIFICALLY NOTED OTHERWISE. LIGHTWEIGHT SUSPENDED ACOUSTICAL CEILINGS WITH A TOTAL WEIGHT PER WIRE NOT EXCEEDING 50# MAY BE HUNG FROM THE STEEL ROOF DECK. THE HANGERS SHOULD BE STAGGERED TO DISTRIBUTE THE LOAD OVER MULTIPLE DECK FLUTES.
6. DECK SHALL HAVE 2" MINIMUM BEARING ON ALL SUPPORTING MEMBERS (MEMBERS PERPENDICULAR TO DECK) UNO. DECKS SHALL HAVE 1.1/2" MINIMUM BEARING AT PARALLEL MEMBERS.
7. DO NOT EMBED CONDUITS OR PIPES IN CONCRETE FILL OVER STEEL DECKS WITHOUT APPROVAL OF STRUCTURAL ENGINEER.
8. SEE TYPICAL DETAILS FOR REINFORCEMENT REQUIRED AT OPENINGS THROUGH STEEL DECK. OPENING REINFORCING SHALL BE INSTALLED PRIOR TO SAW CUTTING OPENINGS.
9. PROVIDE GALVANIZED STEEL DECK ABOVE & BELOW MECHANICAL ROOMS.
10. SEE PLANS AND DETAILS FOR LOCATIONS WHERE ADDITIONAL SLAB REINFORCEMENT IS REQUIRED.

STEEL DECK ATTACHMENT SCHEDULE

STEEL DECK ATTACHMENT SCHEDULE

MARK	WELDED			MECHANICAL		
	SUPPORTS	PARALLEL	SIDE LAP	SUPPORTS	PARALLEL	SIDE LAP
SDA-1	PW @ 36/7	PW @ 12" O.C.	1.1/2" TSW @ 18" O.C.	PAF @ 36/7	PAF @ 12" O.C.	PSC @ 12" O.C.

NOTES:
1. PW = PUDDLE WELD - 1/2" EFFECTIVE DIAMETER ARC SPOT WELD AT INTERIOR FLUTES, 1" X 3/8" EFFECTIVE ARC SEAM WELD AT SUPPORTS ADJACENT TO SIDELAP.
2. TSW = TOP SEAM WELD - 1.1/2" LONG TOP SEAM WELDS BETWEEN ADJACENT PIECES OF DECKING. CRIMP SIDE SEAMS BEFORE WELDING INTERLOCKING SEAMS.
3. BP = BUTTON PUNCH - 3/16" BUTTON PUNCH BETWEEN ADJACENT PIECES OF DECK. CRIMP SEAMS BEFORE BUTTON PUNCHING INTERLOCKING SEAMS.
4. PAF = POWDER ACTUATED FASTENER -
   HILTI X-HSN 24 AT SUPPORTS 3/16" THROUGH 3/8" THICK
   HILTI X-ENP-19 L15 AT SUPPORTS 1/4" THICK AND GREATER
   PNEUTEK SDK61075 AT SUPPORTS 0.113" THROUGH 0.155" THICK
   PNEUTEK SDK63075 AT SUPPORTS 0.155" THROUGH 0.250" THICK
   PNEUTEK K64062 AT SUPPORTS 0.187" THROUGH 0.312" THICK
   PNEUTEK K66062 OR K66075 AT SUPPORTS 0.281" THICK AND GREATER
5. SDS = SELF DRILLING SCREW. WHERE SIDELAPS HAVE SCREWED CONNECTION, THE DECK PROVIDED SHALL HAVE A SCREWABLE SIDE SEAM, UNO.
6. PSC = PROPRIETARY SIDELAP CONNECTION - VERCO SIDELAP CONNECTION 2 FOR VERCO PUNCHLOK II SYSTEM, ASC DELTA GRIP FOR ASC DECKS.
7. SPACING AT SUPPORTS IS NOTED AS (DECK PANEL WIDTH)/(ATTACHMENTS PER PANEL). FOR EXAMPLE: PW @ 36/4 INDICATES A 36" WIDE DECK SHEET WITH 4 PUDDLE WELDS AT EACH SUPPORT.
8. HEADED STUD ANCHORS WELDED THROUGH DECK WITH 1" MINIMUM COVER FROM EDGE OF DECK TO STUD CENTERLINE MAY BE SUBSTITUTED ONE FOR ONE FOR PW. ALIGN AND SECURE DECK IN POSITION BEFORE INSTALLING STUDS.
9. SEE PLANS AND SFRS SHEETS FOR ADDITIONAL FASTENERS REQUIRED AT MEMBERS DENOTED AS SFRS. OMIT ATTACHMENTS WHERE DENOTED AS PROTECTED ZONES IN SFRS.
10. ALL WELDED SURFACES SHALL BE DRY BEFORE WELDING DECK OR STUDS TO SUPPORTS.
11. ALIGN AND SECURE DECK IN POSITION BEFORE WELDING OR INSTALLING FASTENERS OR STUDS.
12. ALTERNATE MEANS OF DECK ATTACHMENT ARE PERMITTED WITH APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE PROPOSED ATTACHMENT SYSTEM AND THE CODE EVALUATION REPORT DEMONSTRATING THE SYSTEM HAS THE STRENGTH TO MEET THE SPECIFIED DECK SHEAR. IF THE ALTERNATE METHOD IS APPROVED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE DECK TYPE AND PROFILE IS COMPATIBLE WITH THE FASTENING SYSTEM.



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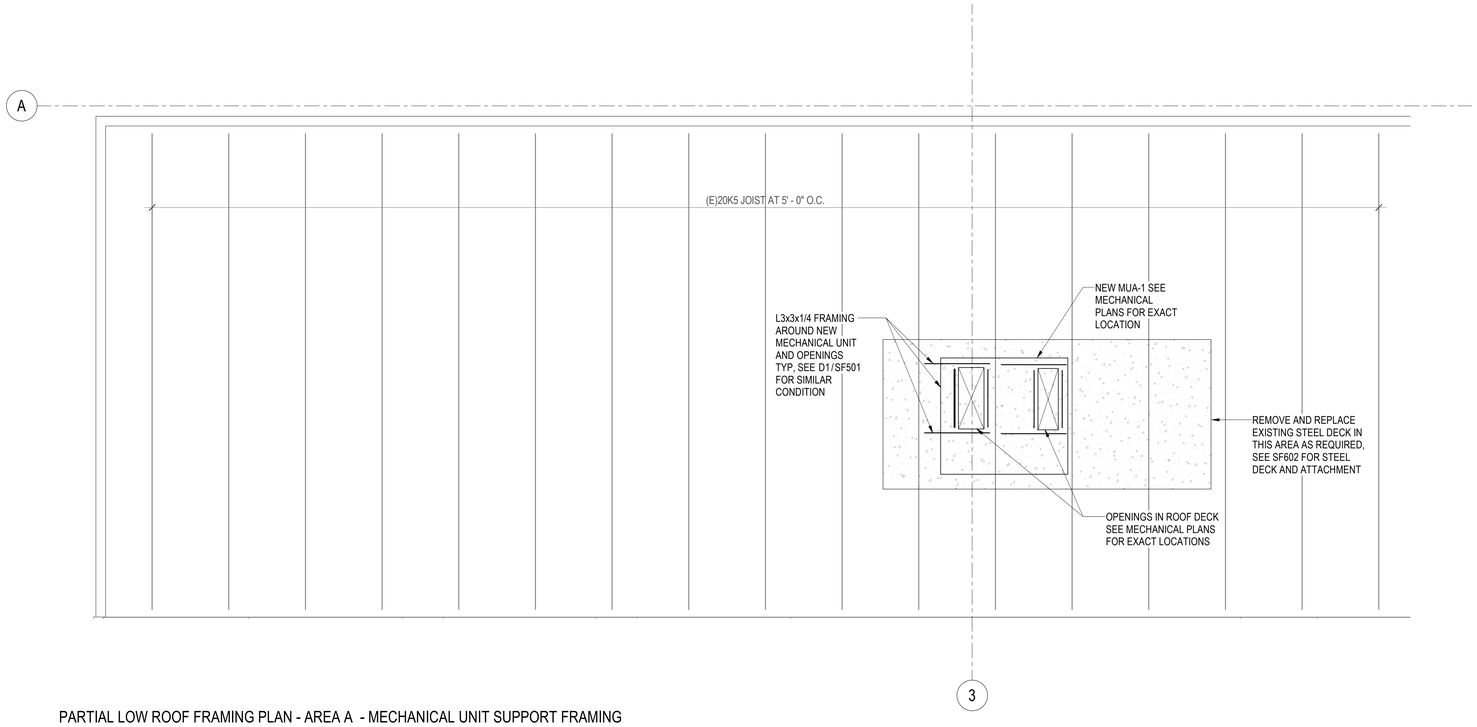
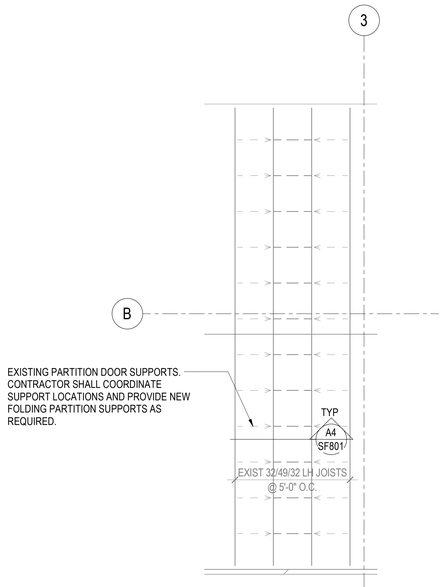
STEEL DECK SCHEDULES

SF602 REV



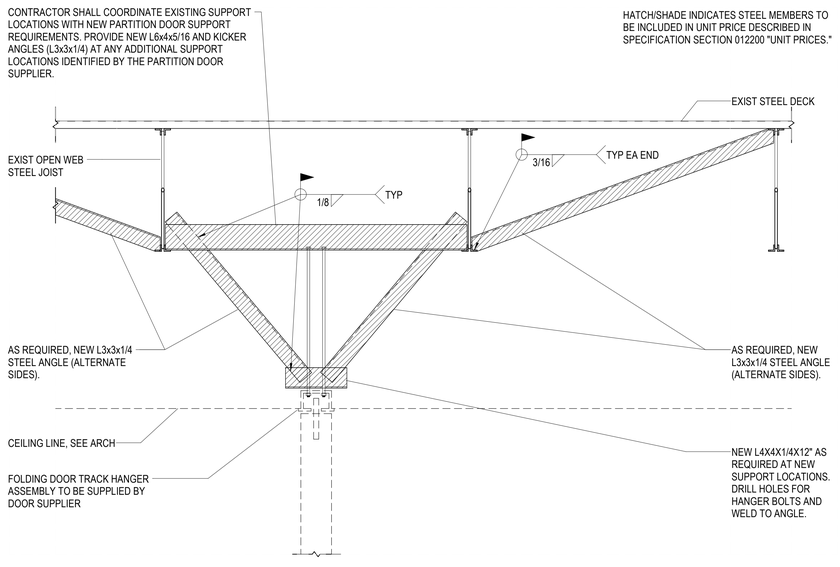
C1 / SF801 PARTIAL LOW ROOF FRAMING PLAN - AREA A - MECHANICAL UNIT SUPPORT FRAMING (ALTERNATE NO. 2)

SCALE: 1/4" = 1'-0"



A2 / SF801 PARTIAL HIGH ROOF FRAMING PLAN - FOLDING PARTITION SUPPORT (ALTERNATE NO. 1)

SCALE: 1/8" = 1'-0"



A4 / SF801 FOLDING PARTITION SUPPORT DETAIL (ALTERNATE NO. 1)

NO SCALE

ADD ALTERNATES

1. REPLACE OPERABLE PARTITION IN MULTIPURPOSE ROOM. PROVIDE STRUCTURAL SUPPORT AND POWER AS REQUIRED AND POCKET FOR STORAGE.

2. REPLACE EXISTING EVAPORATIVE COOLING UNIT WITH DX COOLED MAKE-UP AIR IN KITCHEN AREA. PROVIDE DECK SUPPORT ANGLES FRAMES WHERE REQ'D SEE DETAIL D3/SF501

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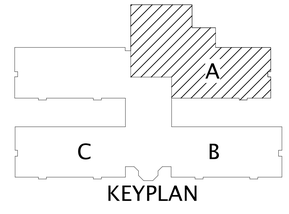

KEYPLAN

PROJECT NORTH

CONSTRUCTION DOCUMENTS

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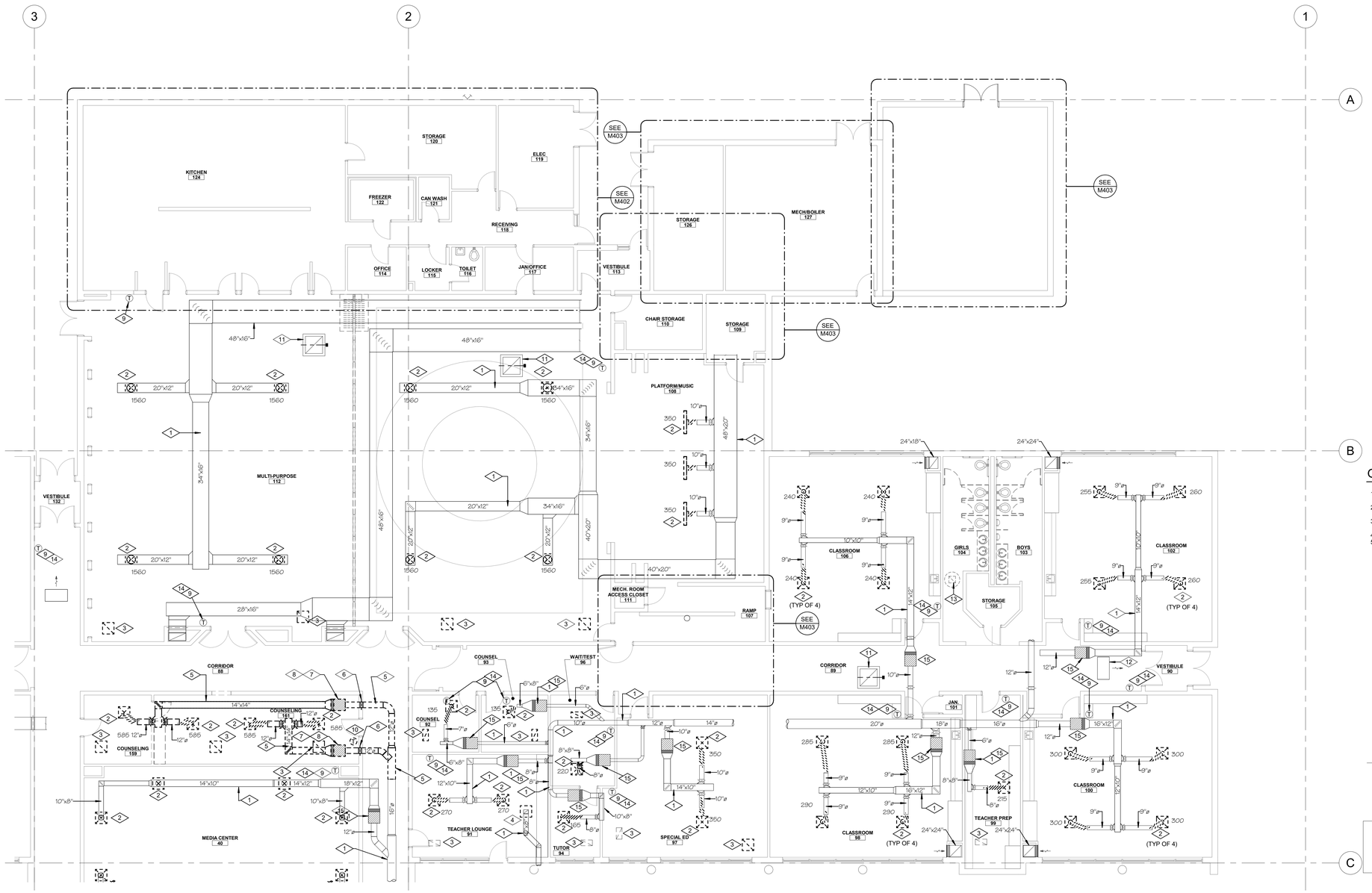
ALTERNATE PLANS & DETAILS

SF801 REV



LEVEL 1 MECHANICAL DEMO PLAN - AREA A

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

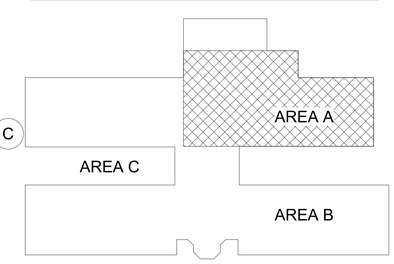
REFERENCE NOTES

1. EXISTING DUCT SYSTEMS TO REMAIN. (TYPICAL)
2. REMOVE EXISTING CEILING DIFFUSER AND FLEX DUCT. REMOVE SPIRAL DUCT IF REQUIRED FOR NEW INSTALLATION.
3. REMOVE EXISTING RETURN AIR GRILLE.
4. REMOVE EXISTING CEILING EXHAUST GRILLE.
5. REMOVE EXISTING SUPPLY DUCTWORK AND HANGERS COMPLETE. COORDINATE WITH NEW WORK.
6. REMOVE EXISTING FIRE DAMPER.
7. REMOVE EXISTING VAV HW RE-HEAT BOX, SUPPORTS, CONTROLS, AND RELATED PIPING COMPLETE. COORDINATE WITH NEW WORK. (BASE BID)
8. REMOVE EXISTING HW RE-HEAT COIL, SUPPORTS, ASSOCIATED PIPING, AND CONTROLS. (BASE BID)
9. EXISTING ZONE THERMOSTAT TO REMAIN. (BASE BID) (TYPICAL)
10. REMOVE EXISTING ZONE THERMOSTAT AND ASSOCIATED WIRING. STORE THERMOSTAT FOR RE-INSTALLATION. COORDINATE WITH NEW WORK. (BASE BID)
11. EXISTING RELIEF AIR HOOD. SEE NEW WORK SHEET M101A. (ALT.#3)
12. EXISTING CABINET UNIT HEATER. SEE NEW WORK SHEET M101A. (ALT.#3)
13. EXISTING ROOF EXHAUST FAN. SEE NEW WORK SHEET M101A. (ALT.#3)
14. REMOVE EXISTING ZONE THERMOSTAT. (ALT.#3) COORDINATE WITH NEW WORK SHEET M101A. (TYPICAL)
15. REMOVE EXISTING VAV & H.W. CONTROLLER (ALT.#3) COORDINATE WITH NEW WORK SHEET M101A. (TYPICAL)

GENERAL DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE TO DRAIN DOWN HEATING WATER SYSTEM AND STORE GLYCOL AS REQUIRED FOR ALL WORK.
2. EXISTING GLYCOL TO BE RE-USED FOR NEW WORK. CONTRACTOR SHALL REPLACE GLYCOL IN SYSTEM WHEN WORK IS COMPLETE.
3. COORDINATE ALL DEMOLITION WITH EXISTING CONDITIONS AND NEW WORK.
4. ALL DEMOLITION SHALL BE COORDINATED WITH ALL TRADES.
5. COORDINATE ALL ALTERNATES WITH DEMO & NEW WORK.

KEY PLAN



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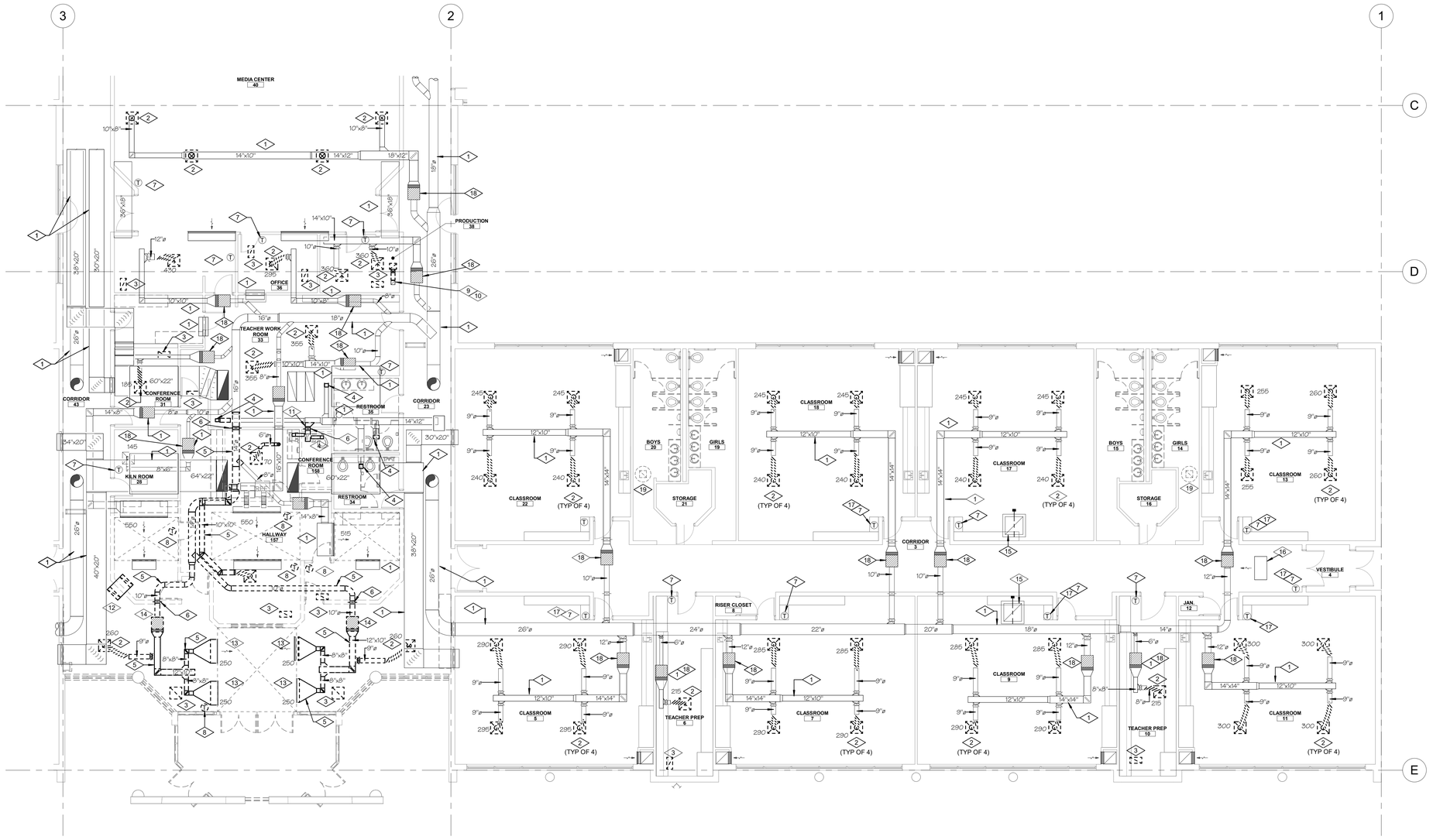
MECHANICAL DEMOLITION PLAN - AREA A

MD101A REV



LEVEL 1 MECHANICAL DEMO PLAN - AREA B

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

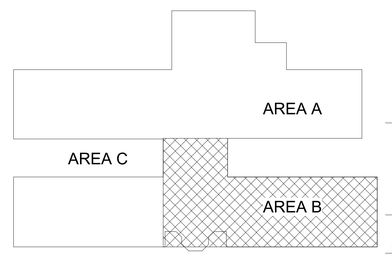
REFERENCE NOTES

1. EXISTING DUCT SYSTEMS TO REMAIN. (TYPICAL)
2. REMOVE EXISTING CEILING DIFFUSER AND FLEX DUCT. REMOVE SPIRAL DUCT IF REQUIRED FOR NEW INSTALLATION.
3. REMOVE EXISTING RETURN AIR GRILLE.
4. REMOVE EXISTING CEILING EXHAUST GRILLE AND RELATED DUCTWORK. COORDINATE WITH NEW WORK.
5. REMOVE EXISTING SUPPLY DUCTWORK AND HANGERS COMPLETE. COORDINATE WITH NEW WORK.
6. REMOVE EXISTING FIRE DAMPER COMPLETE.
7. EXISTING ZONE THERMOSTAT TO REMAIN. (BASE BID) (TYPICAL)
8. REMOVE EXISTING ZONE THERMOSTAT AND ASSOCIATED WIRING. STORE THERMOSTAT FOR RE-INSTALLATION. COORDINATE WITH NEW WORK. (BASE BID)
9. REMOVE EXISTING CEILING EXHAUST FAN, CONTROLS, DUCT AND SUPPORTS COMPLETE. (BASE BID)
10. CAP DUCT THRU ROOF BELOW DECK WATERTIGHT.
11. CAP EXISTING DUCT TO REMAIN. COORDINATE WITH NEW WORK
12. REMOVE EXISTING TRANSFER AIR DUCT AND SUPPORTS COMPLETE.
13. EXISTING SIDEWALL GRILLE TO REMAIN.
14. REMOVE EXISTING VAV RE-HEAT BOX, PIPE, CONTROLS, ETC. COMPLETE. COORDINATE WITH NEW WORK. (BASE BID)
15. EXISTING RELIEF AIR HOOD. SEE NEW WORK SHEET M101B. (ALT.#3)
16. EXISTING CABINET UNIT HEATER. SEE NEW WORK SHEET M101B. (ALT.#3)
17. REMOVE EXISTING ZONE THERMOSTAT. (ALT.#3) COORDINATE WITH NEW WORK SHEET M101B (TYPICAL)
18. REMOVE EXISTING VAV & H.W. VALVE CONTROLLER. (ALT.#3) COORDINATE WITH NEW WORK SHEET M101B. (TYPICAL)
19. EXISTING ROOF EXHAUST FAN. SEE NEW WORK SHEET M101A. (ALT.#3)

GENERAL DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE TO DRAIN DOWN HEATING WATER SYSTEM AND STORE GLYCOL AS REQUIRED FOR ALL WORK.
2. EXISTING GLYCOL TO BE RE-USED FOR NEW WORK. CONTRACTOR SHALL REPLACE GLYCOL IN SYSTEM WHEN WORK IS COMPLETE.
3. COORDINATE ALL DEMOLITION WITH EXISTING CONDITIONS AND NEW WORK.
4. ALL DEMOLITION SHALL BE COORDINATED WITH ALL TRADES.
5. COORDINATE ALL ALTERNATES WITH DEMO & NEW WORK.

KEY PLAN



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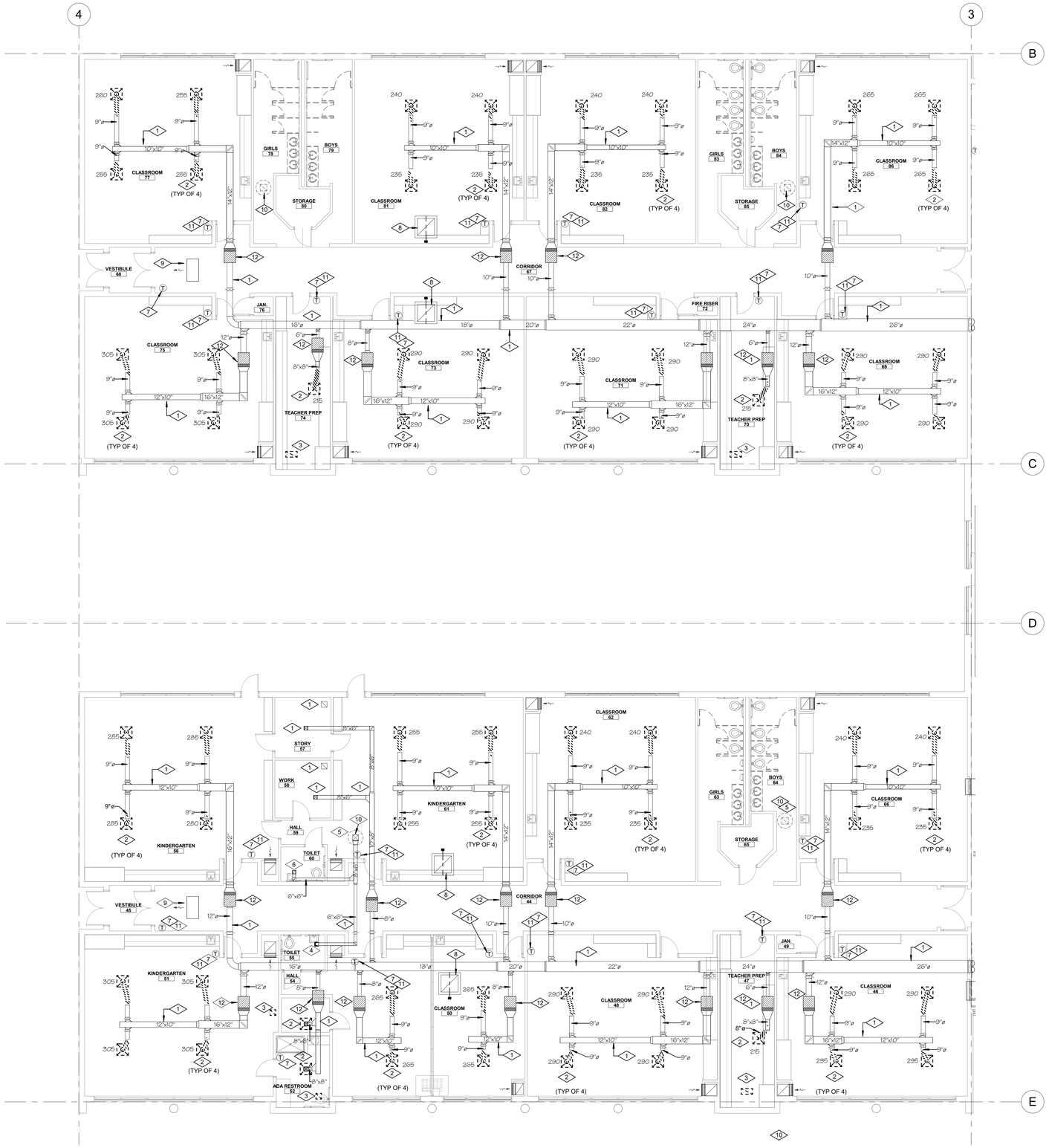
MECHANICAL DEMOLITION PLAN - AREA B

MD101B REV



LEVEL 1 MECHANICAL DEMO PLAN - AREA C

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

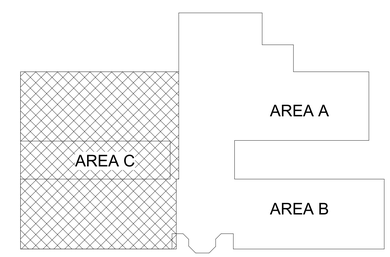
REFERENCE NOTES

#	
1	EXISTING DUCT SYSTEMS TO REMAIN. (TYPICAL)
2	REMOVE EXISTING CEILING DIFFUSER AND FLEX DUCT. REMOVE SPIRAL DUCT IF REQUIRED FOR NEW INSTALLATION.
3	REMOVE EXISTING RETURN AIR GRILLE.
4	REMOVE EXISTING CEILING EXHAUST GRILLE.
5	EXISTING ROOF EXHAUST FAN TO REMAIN.
6	EXISTING EXHAUST GRILLE TO REMAIN.
7	EXISTING ZONE THERMOSTAT TO REMAIN. (BASE BID) (TYPICAL)
8	EXISTING RELIEF AIR HOOD. SEE NEW WORK SHEET M101C. (ALT.#3)
9	EXISTING CABINET UNIT HEATER. SEE NEW WORK SHEET M101C. (ALT.#3)
10	EXISTING ROOF EXHAUST FAN. SEE NEW WORK SHEET M101C. (ALT.#3)
11	REMOVE EXISTING ZONE THERMOSTAT. (ALT.#3) COORDINATE WITH NEW WORK SHEET M101C. (TYPICAL)
12	REMOVE EXISTING VAV & H.W. VALVE CONTROLLER. (ALT.#3) COORDINATE WITH NEW WORK SHEET M101C (TYPICAL)

GENERAL DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE TO DRAIN DOWN HEATING WATER SYSTEM AND STORE GLYCOL AS REQUIRED FOR ALL WORK.
2. EXISTING GLYCOL TO BE RE-USED FOR NEW WORK. CONTRACTOR SHALL REPLACE GLYCOL IN SYSTEM WHEN WORK IS COMPLETE.
3. COORDINATE ALL DEMOLITION WITH EXISTING CONDITIONS AND NEW WORK.
4. ALL DEMOLITION SHALL BE COORDINATED WITH ALL TRADES.
5. COORDINATE ALL ALTERNATES WITH DEMO & NEW WORK.

KEY PLAN



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CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

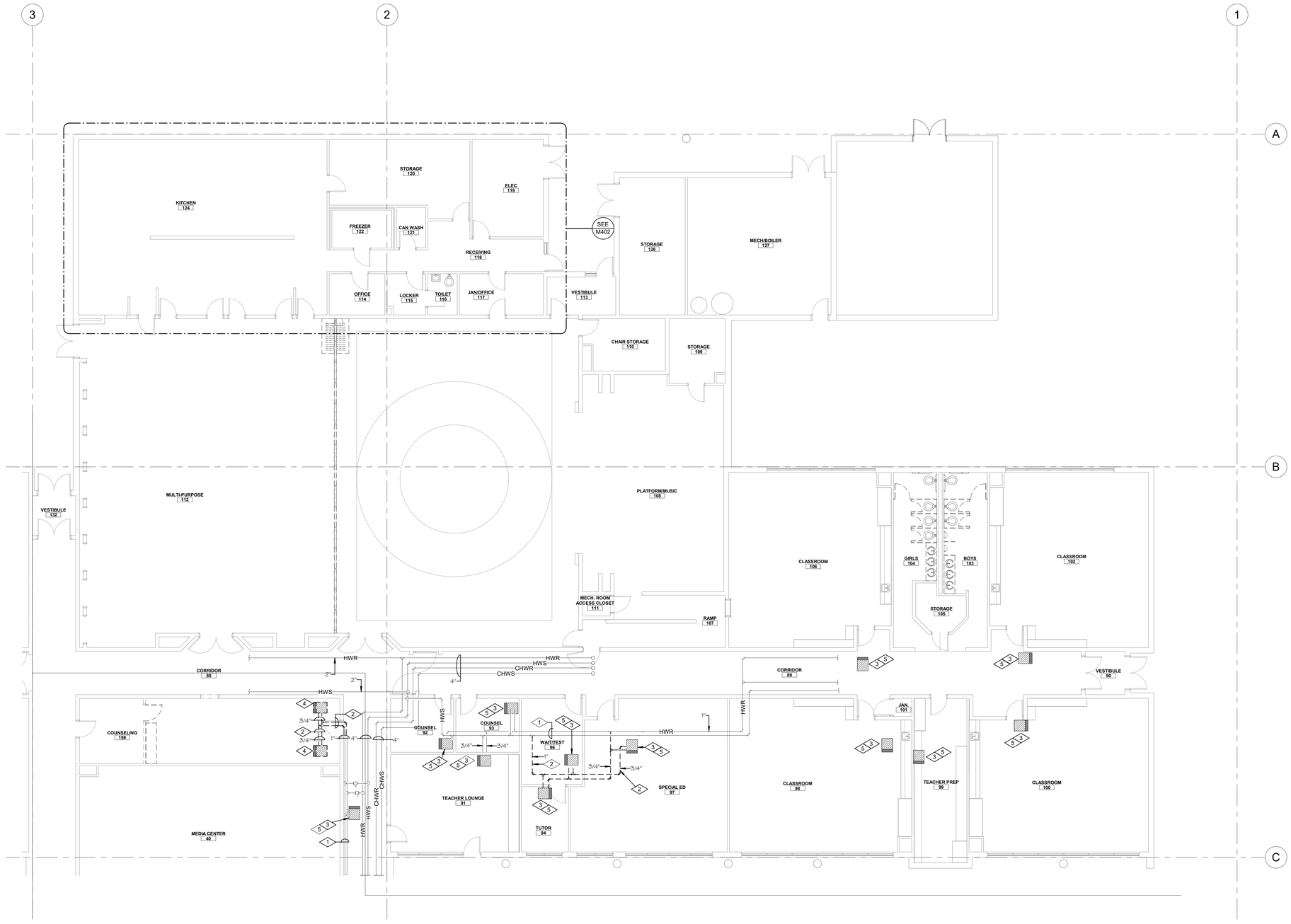
OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

MECHANICAL DEMOLITION PLAN - AREA C

MD101C REV

REFERENCE NOTES

1. APPROXIMATE LOCATION OF EXISTING HEATING WATER PIPING ABOVE CEILING. (TYPICAL)
2. REMOVE EXISTING HEATING WATER PIPING, SUPPORTS, AND INSULATION COMPLETE. CAP AT MAIN. COORDINATE WITH NEW WORK. DRAIN DOWN, STORAGE, AND RE-INSTALLATION OF SYSTEM WATER/GLYCOL IS THE RESPOSIBILITY OF THIS CONTRACTOR.
3. EXISTING VAV BOX TO REMAIN. (TYPICAL)
4. REMOVE EXISTING VAV RE-HEAT BOX, PIPING, VALVES, CONTROLS, AND SUPPORTS COMPLETE. COORDINATE WITH NEW WORK. (BASE BID)
5. REMOVE EXISTING VAV RE-HEAT VALVE CONTROLLER UNER (ALT.#3). COORDINATE WITH NEW WORK (TYPICAL)



GENERAL DEMOLITION NOTES

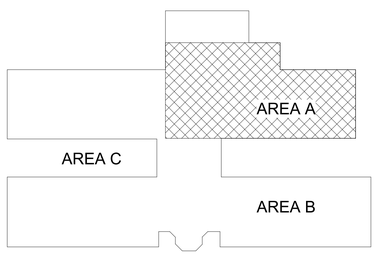
1. CONTRACTOR IS RESPONSIBLE TO DRAIN DOWN HEATING WATER SYSTEM AND STORE GLYCOL AS REQUIRED FOR ALL WORK.
2. EXISTING GLYCOL TO BE RE-USED FOR NEW WORK. CONTRACTOR SHALL REPLACE GLYCOL IN SYSTEM WHEN WORK IS COMPLETE.
3. COORDINATE ALL DEMOLITION WITH EXISTING CONDITIONS AND NEW WORK.
4. ALL DEMOLITION SHALL BE COORDINATED WITH ALL TRADES.
5. COORDINATE ALL ALTERNATES WITH DEMO & NEW WORK.

LEVEL 1 MECHANICAL PIPING DEMO PLAN - AREA A

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

KEY PLAN



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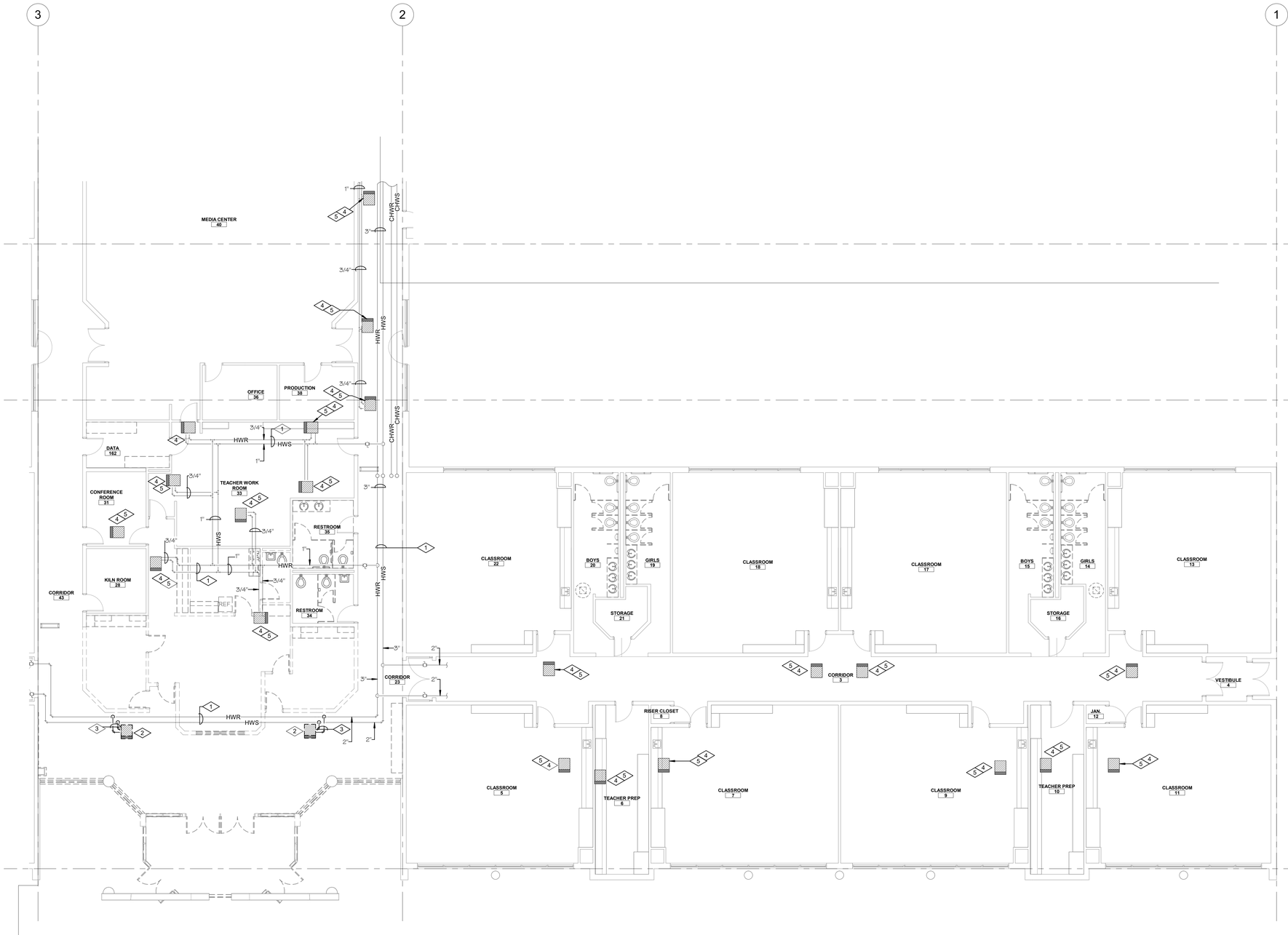
MECHANICAL PIPING DEMOLITION PLAN - AREA A

MPD101A REV



LEVEL 1 MECHANICAL PIPING DEMO PLAN - AREA B

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

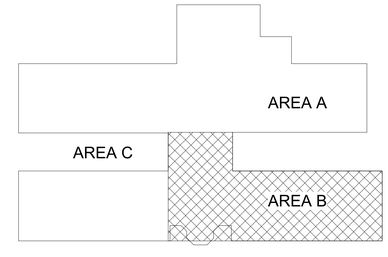
REFERENCE NOTES

1. APPROXIMATE LOCATION OF EXISTING HEATING WATER PIPING ABOVE CEILING. (TYPICAL)
2. REMOVE EXISTING VAV RE-HEAT BOX, PIPING, VALVES, CONTROLS, AND SUPPORTS COMPLETE. COORDINATE WITH NEW WORK. (BASE BID)
3. REMOVE EXISTING HEATING WATER PIPING, SUPPORTS, AND INSULATION COMPLETE. CAP AT MAIN. COORDINATE WITH NEW WORK. DRAIN DOWN, STORAGE, AND RE-INSTALLATION OF SYSTEM WATER/GLYCOL IS THE RESPOSIBILITY OF THIS CONTRACTOR.
4. EXISTING VAV BOX TO REMAIN. (TYPICAL)
5. REMOVE EXISTING VAV RE-HEAT VALVE CONTROLLER UNDER (ALT.#3) COORDINATE WITH NEW WORK. (TYPICAL)

GENERAL DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE TO DRAIN DOWN HEATING WATER SYSTEM AND STORE GLYCOL AS REQUIRED FOR ALL WORK.
2. EXISTING GLYCOL TO BE RE-USED FOR NEW WORK. CONTRACTOR SHALL REPLACE GLYCOL IN SYSTEM WHEN WORK IS COMPLETE.
3. COORDINATE ALL DEMOLITION WITH EXISTING CONDITIONS AND NEW WORK.
4. ALL DEMOLITION SHALL BE COORDINATED WITH ALL TRADES.
5. COORDINATE ALL ALTERNATES WITH DEMO & NEW WORK.

KEY PLAN



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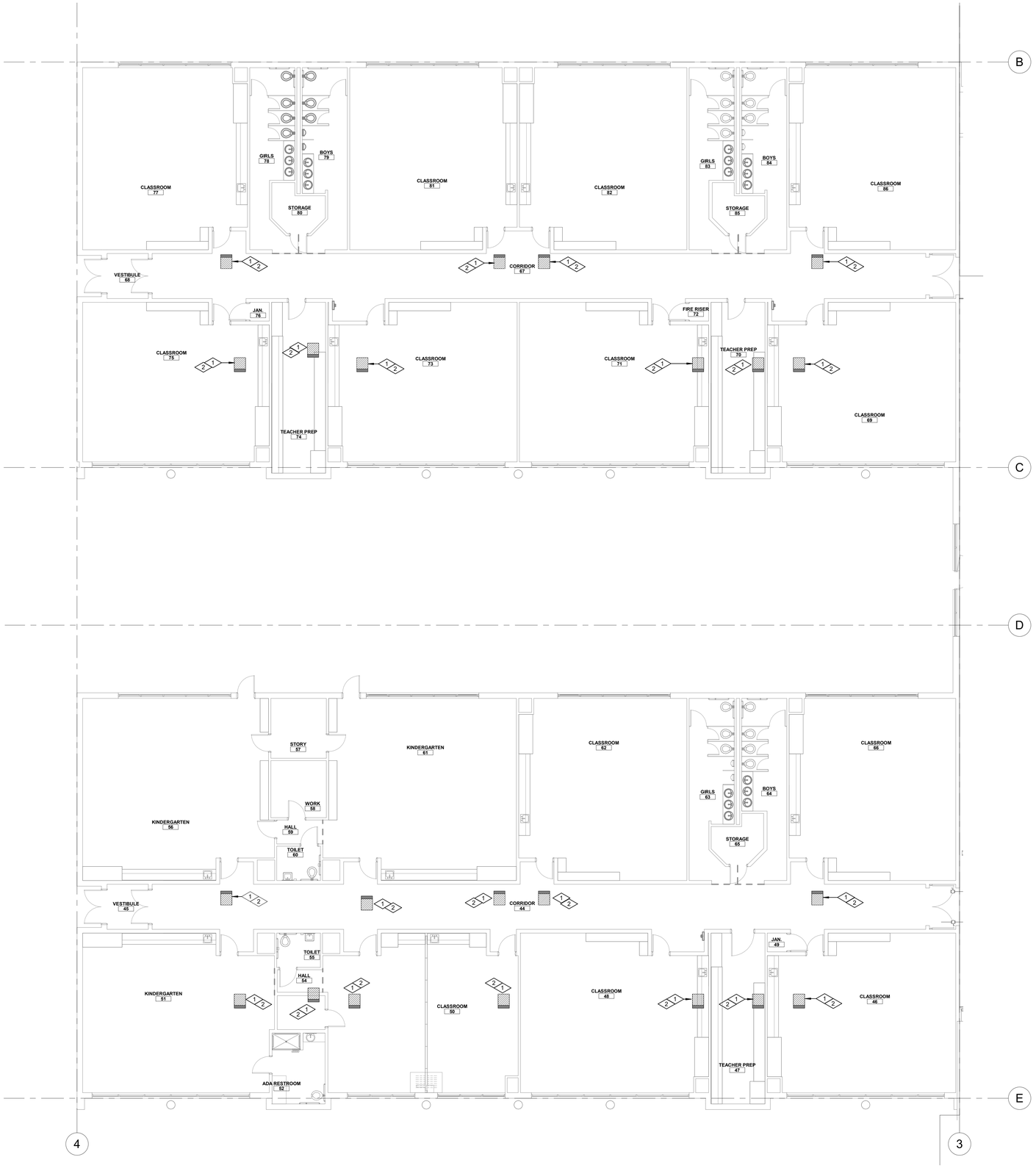
ISSUED DATE: 01/22/2024

MECHANICAL PIPING DEMOLITION PLAN - AREA B

MPD101B REV



LEVEL 1 MECHANICAL PIPING DEMO PLAN - AREA C

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE TO DRAIN DOWN HEATING WATER SYSTEM AND STORE GLYCOL AS REQUIRED FOR ALL WORK.
2. EXISTING GLYCOL TO BE RE-USED FOR NEW WORK. CONTRACTOR SHALL REPLACE GLYCOL IN SYSTEM WHEN WORK IS COMPLETE.
3. COORDINATE ALL DEMOLITION WITH EXISTING CONDITIONS AND NEW WORK.
4. ALL DEMOLITION SHALL BE COORDINATED WITH ALL TRADES.
5. COORDINATE ALL ALTERNATES WITH DEMO & NEW WORK.

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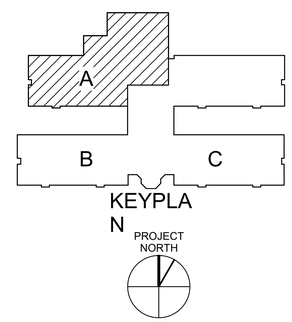

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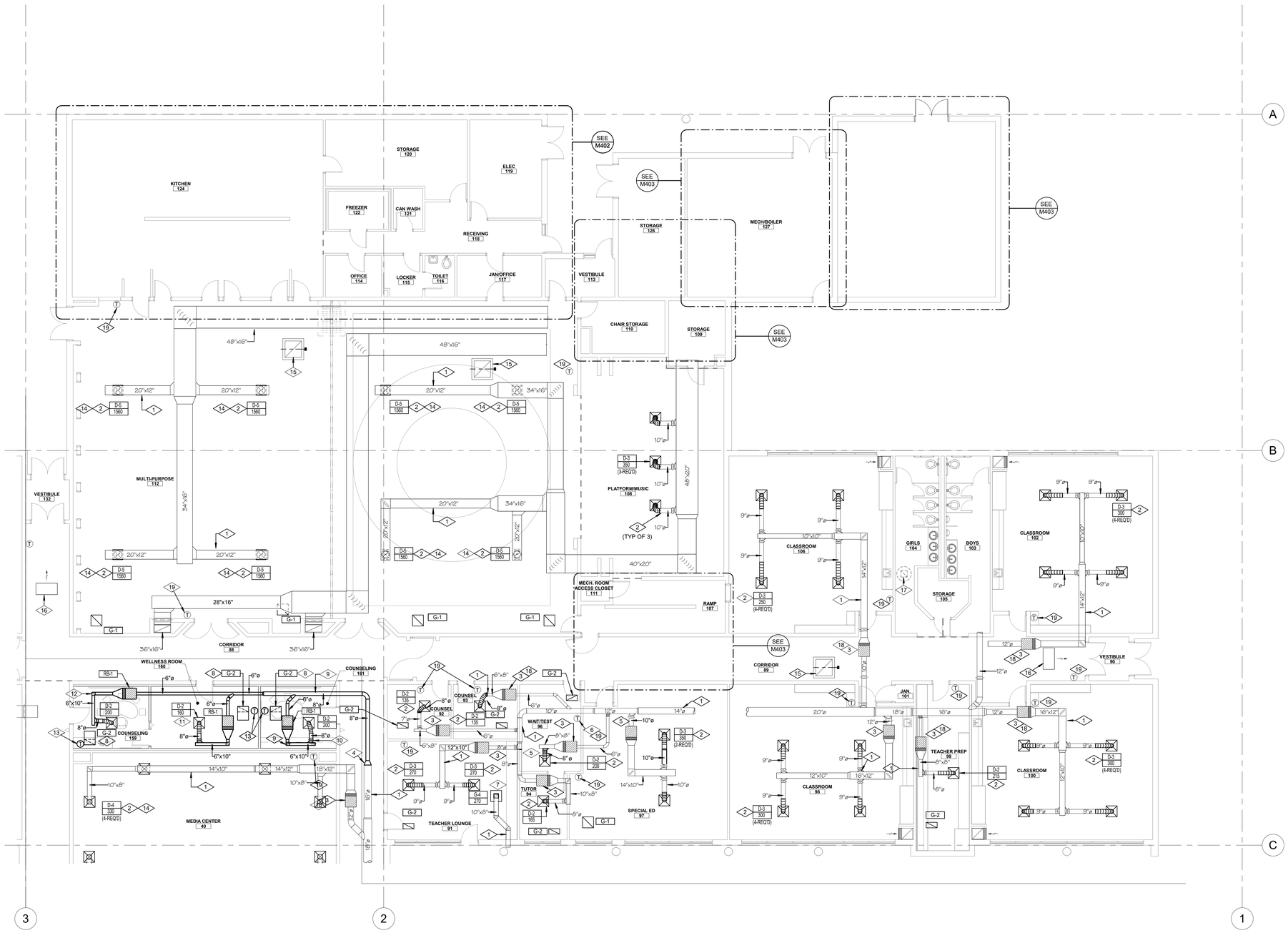
MECHANICAL PIPING DEMOLITION PLAN - AREA C

MPD101C REV



LEVEL 1 MECHANICAL PLAN - AREA A

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

#	
1	EXISTING DUCT SYSTEMS TO REMAIN. (TYPICAL)
2	NEW DIFFUSER AND FLEXIBLE DUCT. VERIFY EXISTING DUCT CONNECTION SIZE. FLEX DUCT MAXIMUM LENGTH 5'-0". RE-BALANCE TO CFM SHOWN.
3	RE-BALANCE EXISTING VAV RE-HEAT BOX TO ZONE CFM.
4	CONNECT NEW MEDIUM PRESSURE TO EXISTING MEDIUM PRESSURE DUCT AT APPROXIMATELY THIS LOCATION. REPAIR DUCT WRAP AT CONNECTION.
5	CAP EXISTING MEDIUM PRESSURE DUCT.
6	NEW OR RELOCATED HEATING/COOLING THERMOSTAT.
7	CONNECT NEW GRILLE TO EXISTING DUCT.
8	PROVIDE SOUND BOOT. SEE DETAIL 11/M601
9	DUCT TO RUN ABOVE CEILING. COORDINATE WITH EXISTING CONDITION AND ALL TRADES.
10	HET FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
11	FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0".
12	TURNING VANES. (TYPICAL)
13	NEW WALL MOUNTED HEATING/COOLING THERMOSTAT.
14	CONNECT TO EXISTING SQUARE DUCT. PROVIDE MANUAL BALANCING DAMPER. (TYPICAL)
15	PROVIDE NEW RELIEF AIR CONTROLLER UNDER ALT. # 3.
16	PROVIDE NEW CABINET UNITHEATER CONTROLLER UNDER ALT. # 3.
17	PROVIDE NEW ROOF EXHAUST FAN CONTROLLER UNDER ALT. #3.
18	PROVIDE NEW VAV RE-HEAT BOX & RE-HEAT VALVE CONTROLLER UNDER ALT. #3.
19	PROVIDE NEW ZONE THERMOSTAT. (ALT. #3.) (TYPICAL)

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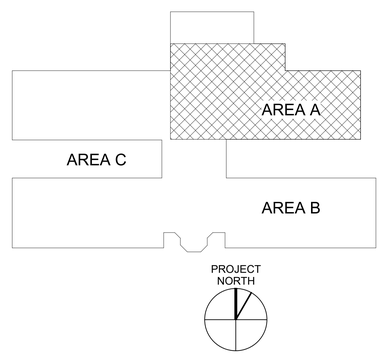

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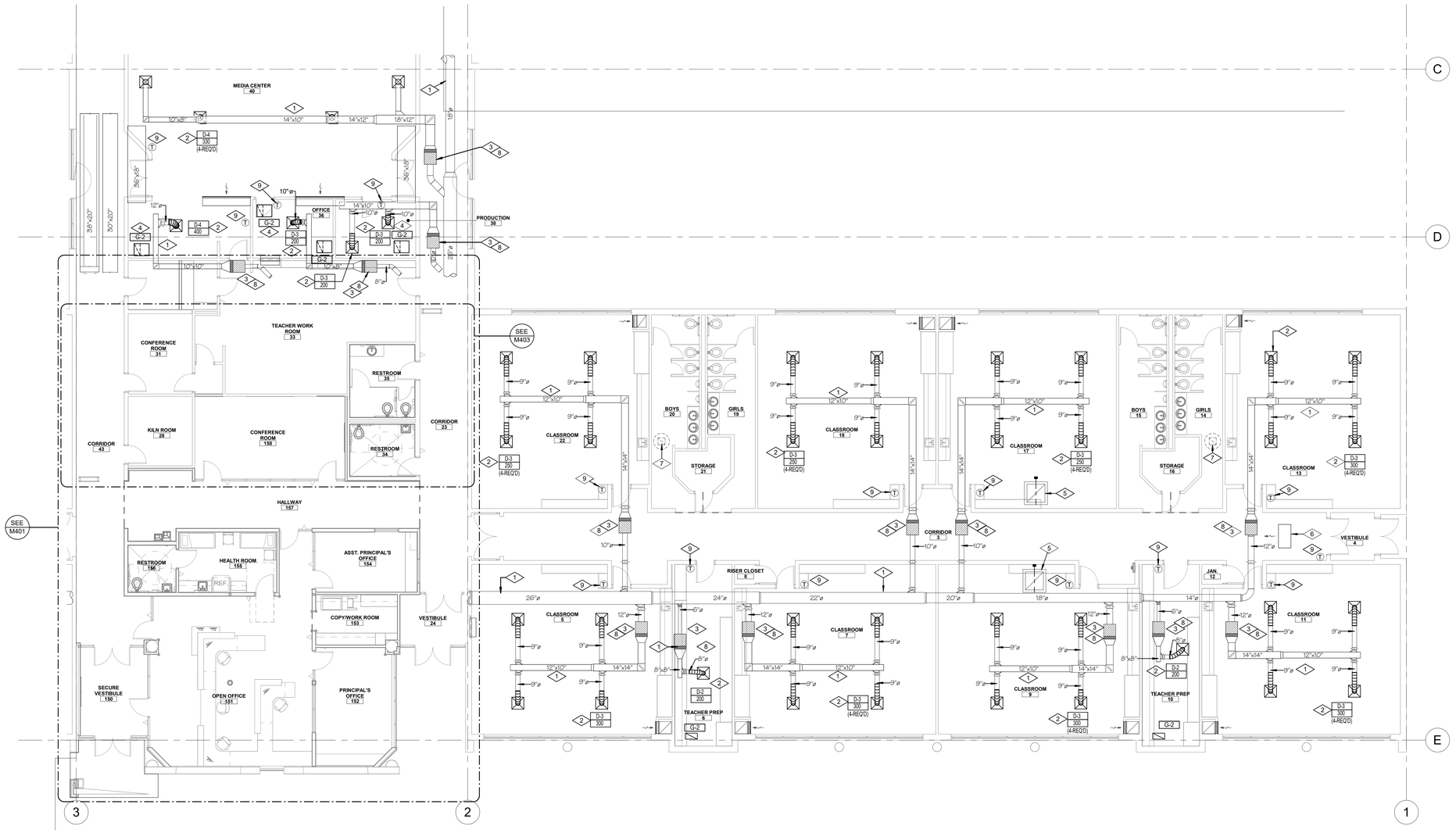
MECHANICAL PLAN - AREA A

M101A REV



LEVEL 1 MECHANICAL PLAN - AREA B

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

1. EXISTING DUCT SYSTEMS TO REMAIN. (TYPICAL)
2. NEW DIFFUSER AND FLEXIBLE DUCT. VERIFY EXISTING DUCT CONNECTION SIZE. FLEX DUCT MAXIMUM LENGTH 5'-0". RE-BALANCE TO CFM SHOWN.
3. RE-BALANCE EXISTING VAV RE-HEAT BOX TO ZONE CFM.
4. PROVIDE SOUND BOOT. SEE DETAIL 11/M601
5. PROVIDE NEW RELIEF AIR CONTROLLER UNDER ALT. # 3.
6. PROVIDE NEW CABINET UNITHEATER CONTROLLER UNDER ALT. # 3.
7. PROVIDE NEW ROOF EXHAUST FAN CONTROLLER UNDER ALT.#3.
8. PROVIDE NEW VAV RE-HEAT BOX & RE-HEAT VALVE CONTROLLER UNDER ALT.#3.
9. PROVIDE NEW ZONE THERMOSTAT. (ALT.#3) TYPICAL)

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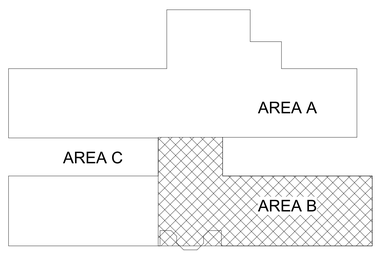

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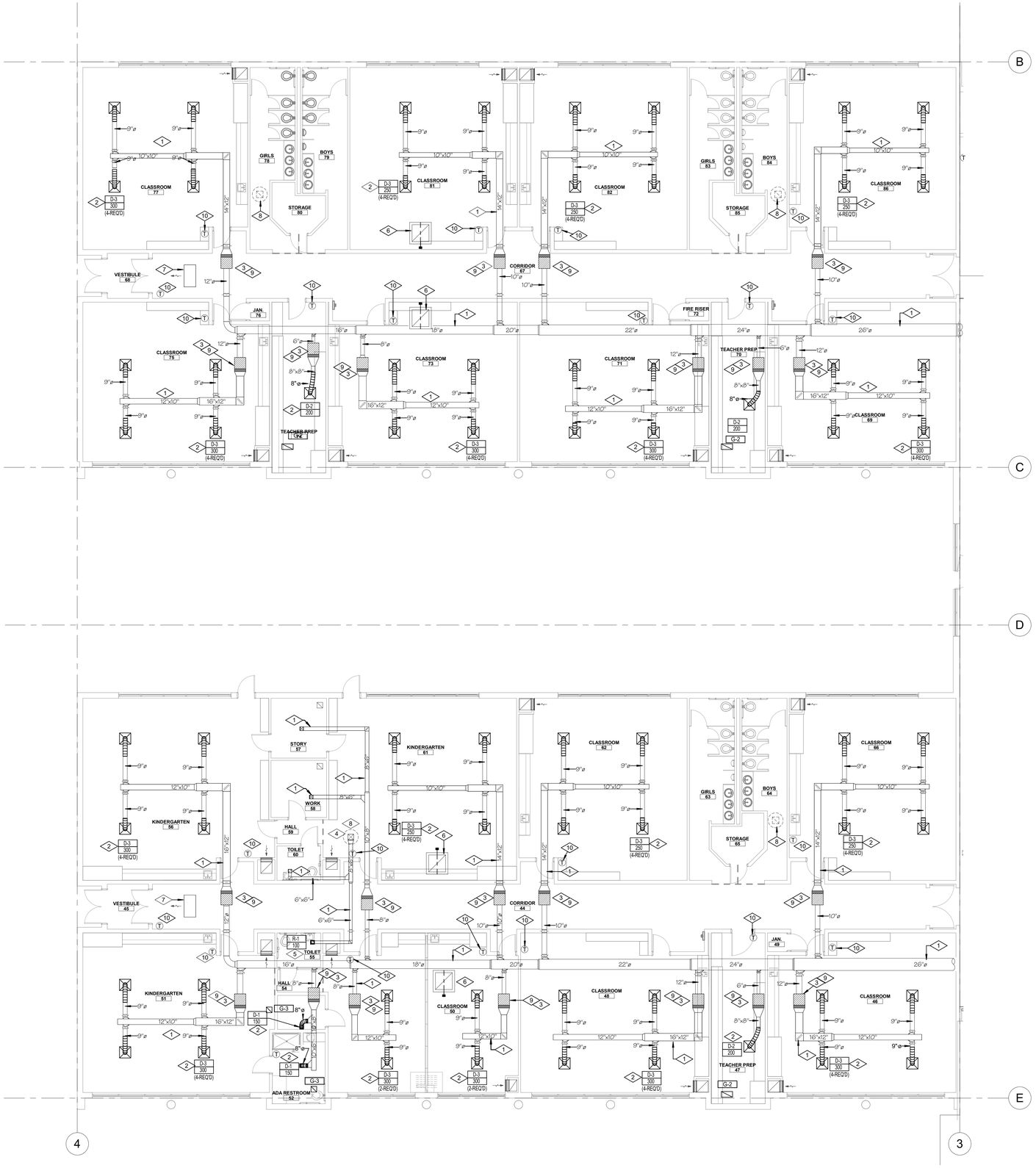
MECHANICAL PLAN - AREA B

M101B REV



LEVEL 1 MECHANICAL PLAN - AREA C

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

#	
1	EXISTING DUCT SYSTEMS TO REMAIN. (TYPICAL)
2	NEW DIFFUSER AND FLEXIBLE DUCT. VERIFY EXISTING DUCT CONNECTION SIZE. FLEX DUCT MAXIMUM LENGTH 5'-0". RE-BALANCE TO CFM SHOWN.
3	RE-BALANCE EXISTING VAV RE-HEAT BOX TO ZONE CFM.
4	EXISTING ROOF EXHAUST FAN TO REMAIN.
5	CONNECT NEW R-1 TO EXISTING DUCT.
6	PROVIDE NEW RELIEF AIR CONTROLLER UNDER ALT. # 3.
7	PROVIDE NEW CABINET UNITHEATER CONTROLLER UNDER ALT. # 3.
8	PROVIDE NEW ROOF EXHAUST FAN CONTROLLER UNDER ALT. #3.
9	PROVIDE NEW VAV RE-HEAT BOX& RE-HEAT VALVE CONTROLLER UNDER ALT.#3.
10	PROVIDE NEW ZONE THERMOSTAT. (ALT.#3) (TYPICAL)

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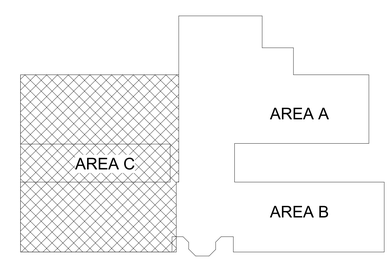

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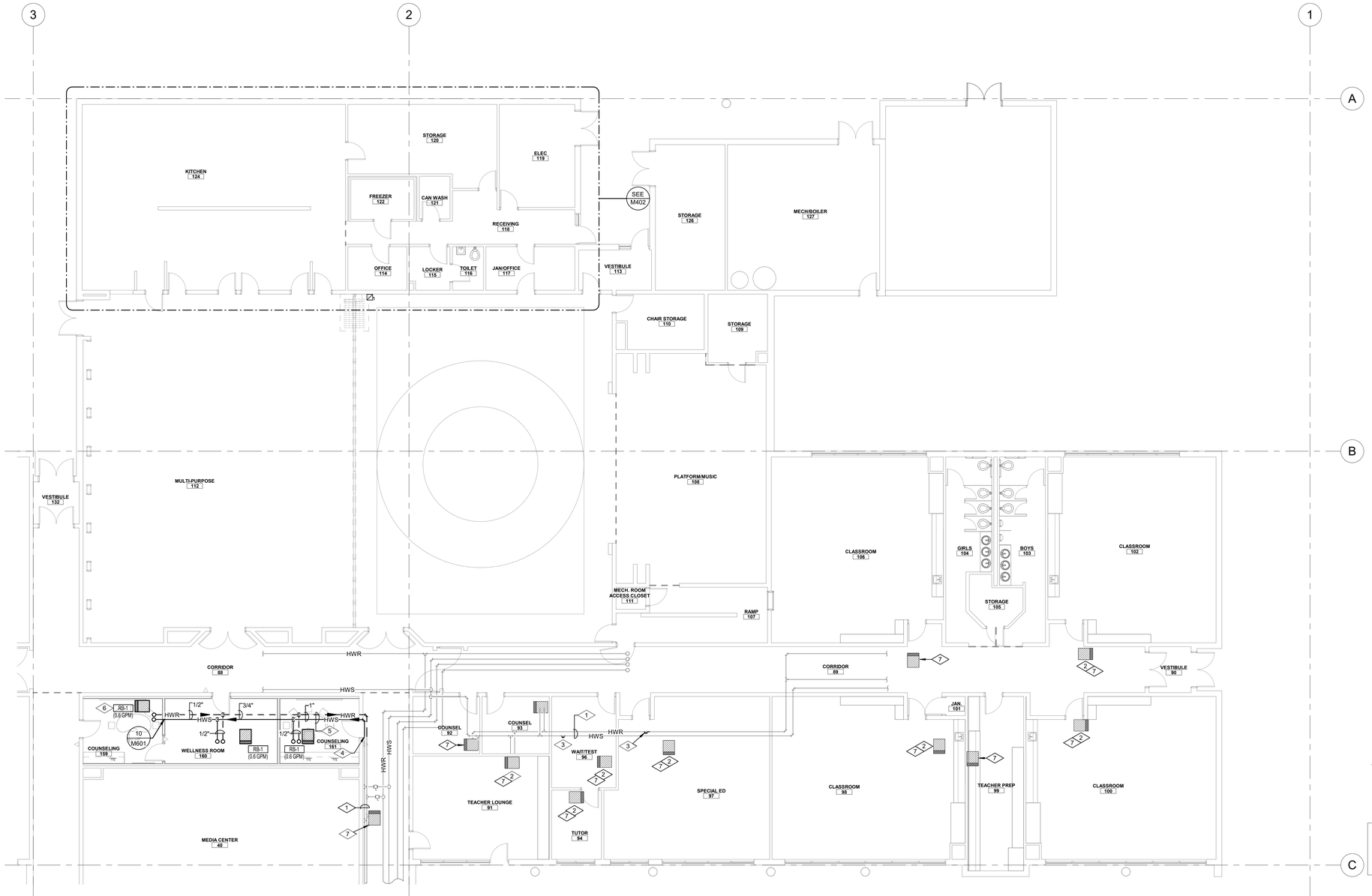
MECHANICAL PLAN - AREA C

M101C REV

REFERENCE NOTES

1. APPROXIMATE LOCATION OF EXISTING HEATING WATER PIPING. (TYPICAL)
2. EXISTING VAV BOX TO REMAIN. (TYPICAL)
3. CAP PIPE AT APPROXIMATELY THIS LOCATION.
4. TIE INTO EXISTING HEATING WATER PIPING AT APPROXIMATELY THIS LOCATION. REPAIR PIPE INSULATION AT TIE IN.
5. NEW PIPING TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH EXISTING AND NEW WORK.
6. PROVIDE 3-WAY HEATING VALVE. (BASE BID)
7. PROVIDE NEW RE-HEAT VALVE CONTROLLER (ALT.#3) (TYPICAL)



LEVEL 1 MECHANICAL PIPING PLAN - AREA A

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

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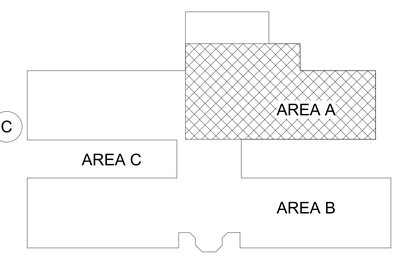

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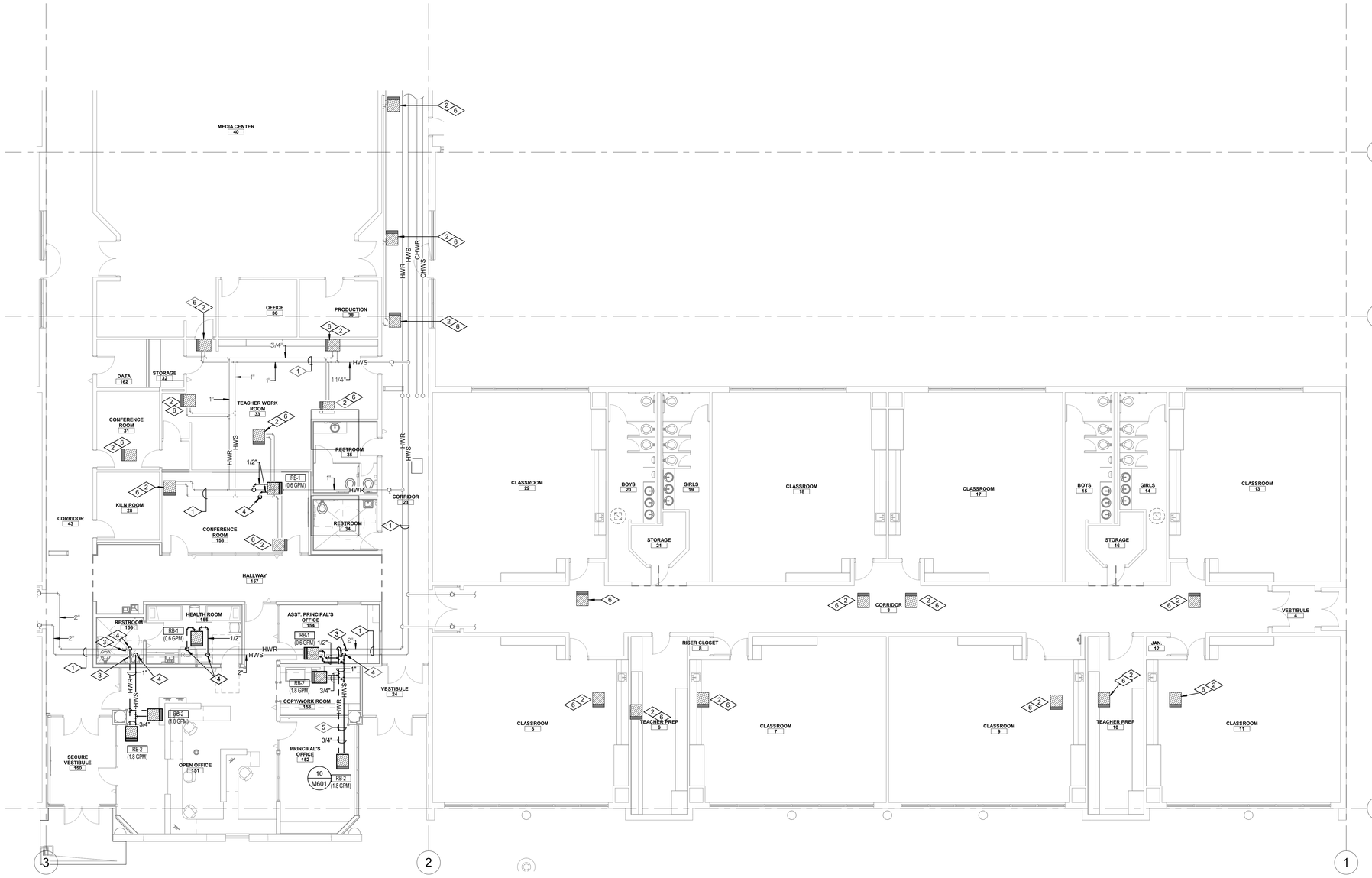
MECHANICAL PIPING PLAN - AREA A

MP101A REV



LEVEL 1 MECHANICAL PIPING PLAN - AREA B

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

1. APPROXIMATE LOCATION OF EXISTING HEATING WATER PIPING. (TYPICAL)
2. EXISTING VAV BOX TO REMAIN. (TYPICAL)
3. CAP PIPE AT APPROXIMATELY THIS LOCATION.
4. TIE INTO EXISTING HEATING WATER PIPING AT APPROXIMATELY THIS LOCATION. REPAIR PIPE INSULATION AT TIE IN.
5. NEW PIPING TO RUN ABOVE CEILING. (TYPICAL) COORDINATE WITH EXISTING AND NEW WORK.
6. PROVIDE NEW RE-HEAT VALVE CONTROLLER (ALT.#3) (TYPICAL)

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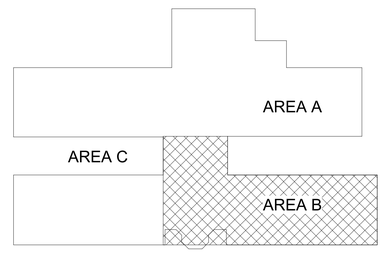

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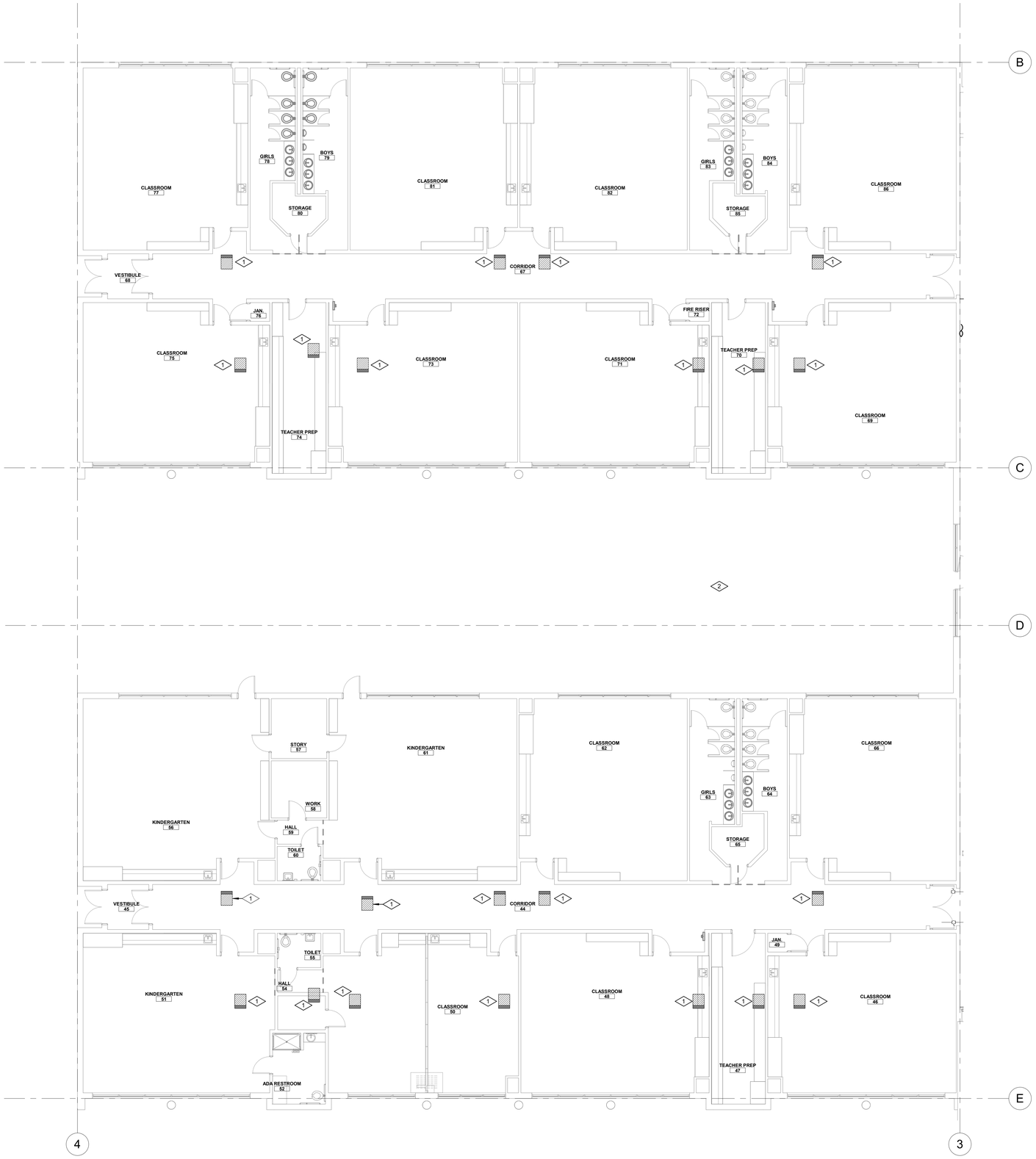
MECHANICAL PIPING PLAN - AREA B

MP101B REV



LEVEL 1 MECHANICAL PIPING PLAN - AREA C

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

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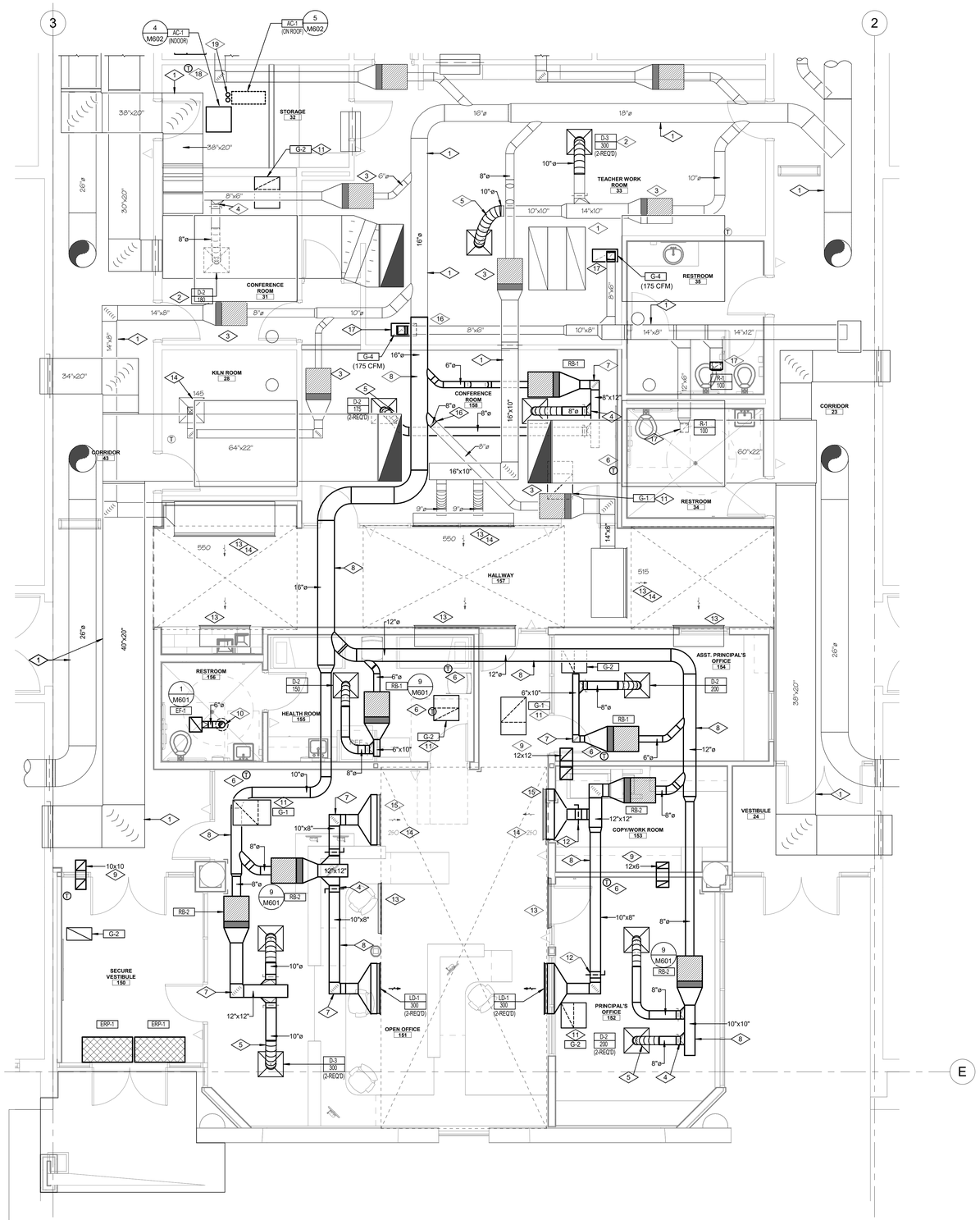
MECHANICAL PIPING PLAN - AREA C

MP101C REV



ENLARGED LEVEL 1 MECHANICAL PLAN - AREA B

0 2' - 0" 4' - 0" 8' - 0"

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

1. EXISTING DUCT SYSTEMS TO REMAIN. (TYPICAL)
2. NEW DIFFUSER AND FLEXIBLE DUCT. VERIFY EXISTING DUCT CONNECTION SIZE. FLEX DUCT MAXIMUM LENGTH 5'-0". RE-BALANCE TO CFM SHOWN.
3. RE-BALANCE EXISTING VAV RE-HEAT BOX TO ZONE CFM.
4. HET FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
5. FLEXIBLE DUCT. (TYPICAL) MAXIMUM LENGTH 5'-0".
6. WALL MOUNTED HEATING / COOLING THERMOSTAT. (TYPICAL)
7. TURNING VANES. (TYPICAL)
8. DUCT TO RUN ABOVE CEILING. COORDINATE WITH EXISTING CONDITIONS AND ALL TRADES. (TYPICAL)
9. TRANSFER AIR DUCT WITH SOUND BOOT. (TYPICAL) SEE DETAIL 12/M601.
10. DUCT THRU ROOF. SEE DETAIL 2/M601.
11. PROVIDE SOUND BOOT AT RETURN GRILLE. (TYPICAL) SEE DETAIL 11/M601.
12. MANUAL BALANCING DAMPER. (TYPICAL)
13. EXISTING REGISTER TO REMAIN.
14. RE-BALANCE EXISTING REGISTER OR DIFFUSER TO CFM SHOWN.
15. CONNECT NEW DUCT TO EXISTING REGISTER.
16. CONNECT NEW DUCT TO EXISTING AT APPROXIMATELY THIS LOCATION. REPAIR DUCT WRAP AT CONNECTION.
17. CONNECT NEW R-1 TO EXISTING EXHAUST DUCT.
18. WALL MOUNTED HARD WIRED COOLING THERMOSTAT.
19. REFRIGERANT PIPING UP THRU EXISTING UNIT TO OUTDOOR UNIT.

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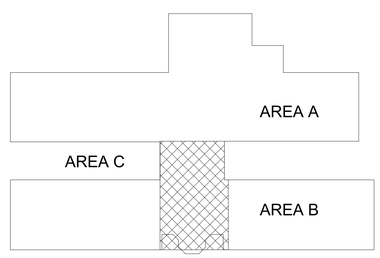
KEY PLAN



PROJECT NORTH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

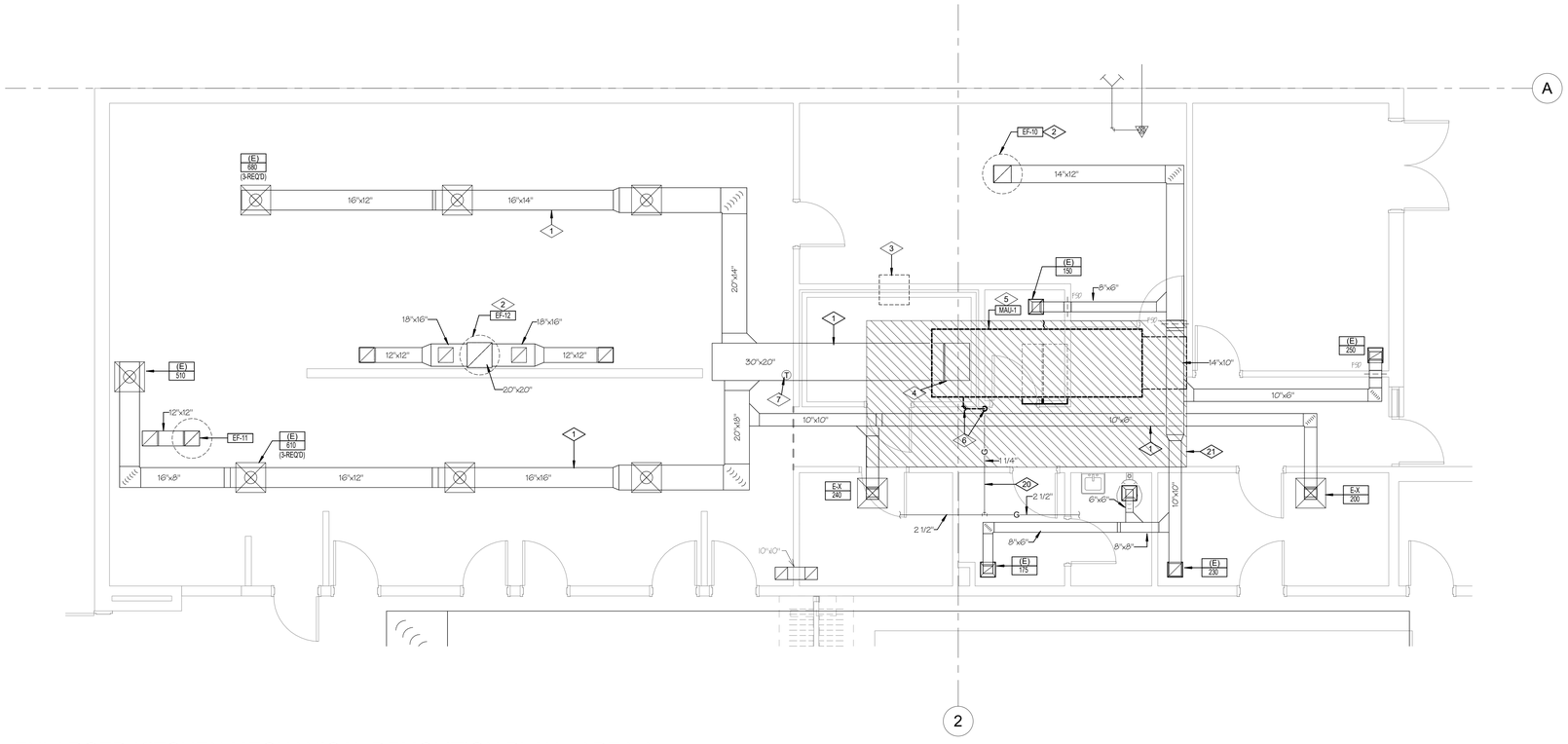
JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

ENLARGED MECHANICAL PLANS

M401 REV

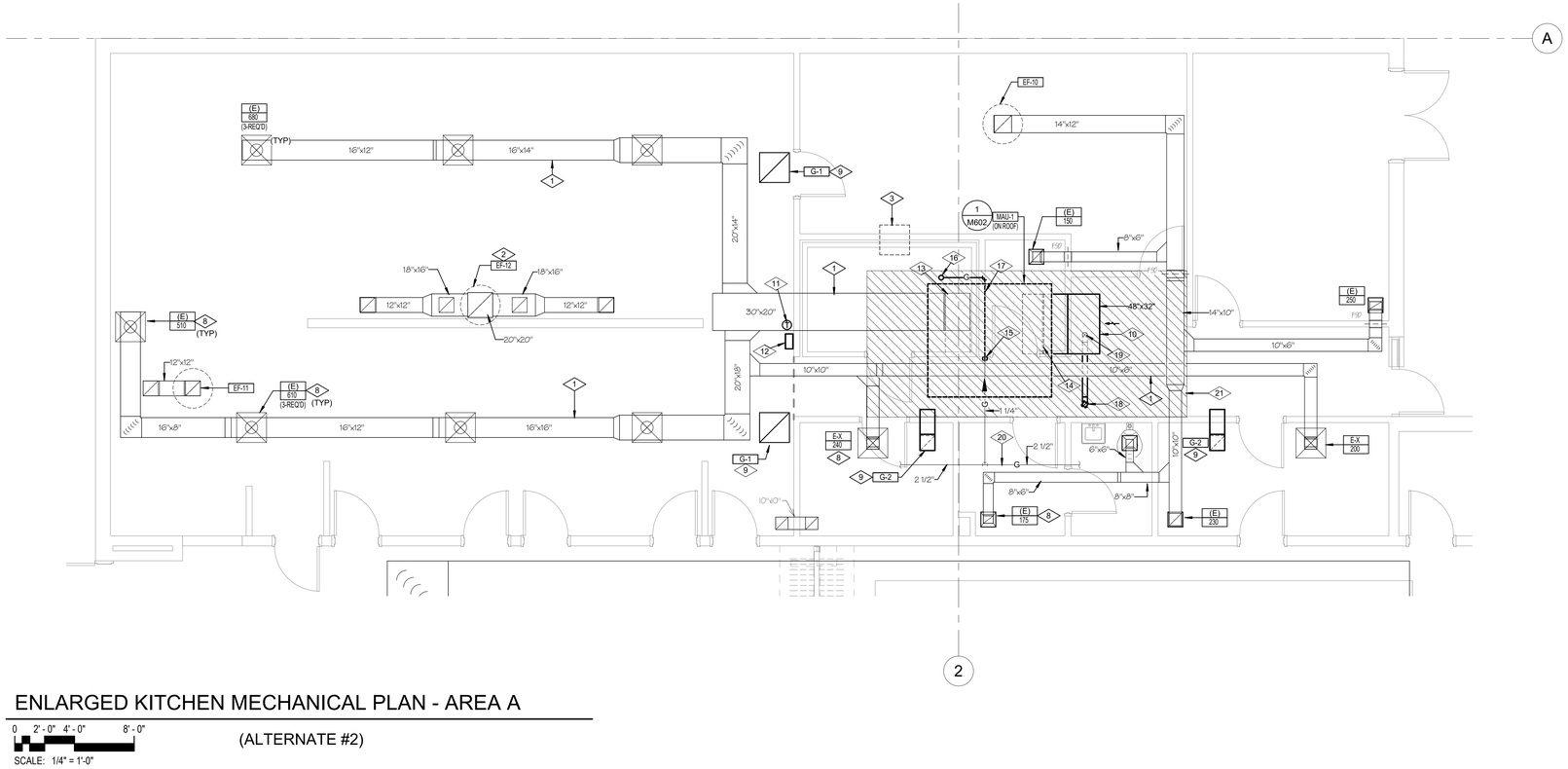


ENLARGED KITCHEN MECHANICAL DEMOLITION PLAN - AREA A

0 2' - 0" 4' - 0" 8' - 0"

SCALE: 1/4" = 1'-0"

(ALTERNATE #2)



ENLARGED KITCHEN MECHANICAL PLAN - AREA A

0 2' - 0" 4' - 0" 8' - 0"

SCALE: 1/4" = 1'-0"

(ALTERNATE #2)

REFERENCE NOTES - ALT#2

1. APPROXIMATE LOCATION OF EXISTING SUPPLY DUCTWORK TO REMAIN. (TYPICAL)
2. EXISTING ROOF MOUNTED EXHAUST FAN TO REMAIN.
3. EXISTING ROOF MOUNTED FREEZER CONDENSER TO REMAIN.
4. HET FITTING WITH MANUAL BALANCING DAMPER. (TYPICAL)
5. REMOVE EXISTING GAS/EVAP MAKE-UP AIR UNIT, CURB & RELATED ITEMS COMPLETE.
6. REMOVE EXISTING GAS LINES & CAP AS REQUIRED. COORDINATE WITH NEW WORK.
7. REMOVE EXISTING THERMOSTAT AND RELATED WIRING, ETC.
8. RE-BALANCE EXISTING DIFFUSER TO CFM SHOWN. (TYPICAL)
9. NEW RETURN AIR GRILLE AT EXISTING GYP BOARD CEILING.
10. NEW LINED RETURN AIR DUCT. COORDINATE WITH EXISTING STRUCTURE & ALL CONDITIONS.
11. NEW WALL MOUNTED HEATING/COOLING THERMOSTAT TO CONTROL MUA-1.
12. NEW MUA/EF CONTROL PANEL. SEE DETAIL 2/M602.
13. CONNECT NEW DUCT TO EXISTING SUPPLY DUCT AT ROOF DECK. FIELD COORDINATE EXISTING DUCT DIMENSIONS & LOCATION.
14. NEW RETURN DUCT THRU EXISTING ROOF DECK. COORDINATE WITH EXISTING STRUCTURE. PROVIDE ANGLE STEEL FRAMING AT OPENING.
15. CONNECT NEW GAS LINE TO EXISTING AT APPROXIMATELY THIS LOCATION. FIELD COORDINATE SIZE & LOCATION.
16. NEW 1 1/4" / # 4 OZ GAS LINE UP THRU EXISTING ROOF TO SERVE NEW MUA-1. SEE DETAIL 6/P601.
17. RUN PIPING ABOVE EXISTING CEILING.
18. NEW 4" DIAMETER DRYER DUCT THRU EXISTING ROOF FROM EXISTING DRYER. SEE DETAIL 3/M602.
19. PROVIDE LINT CLEANOUT AT BASE.
20. APPROXIMATE LOCATION OF EXISTING GAS PIPING ABOVE CEILING.
21. REMOVE EXISTING MUA UNIT CURB & ROOFING AS REQUIRED FOR INSTALLATION OF NEW UNIT & CURB. PROVIDE NEW ROOF INSULATION, ROOFING, & ROOF DECK AS REQUIRED FOR A COMPLETE INSTALLATION.

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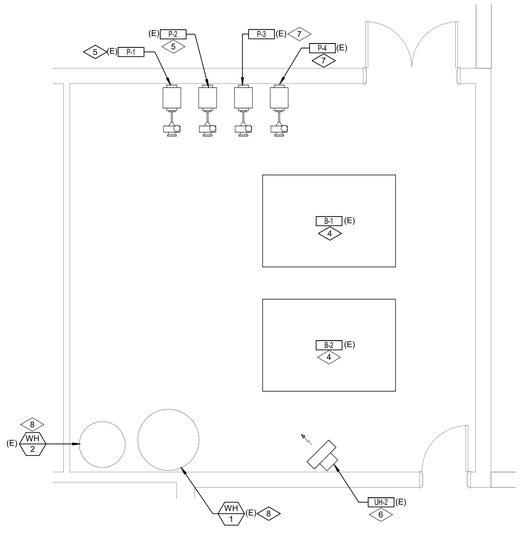
MECHANICAL KITCHEN PLAN - ALTERNATE #2

PROJECT NORTH

M402 REV

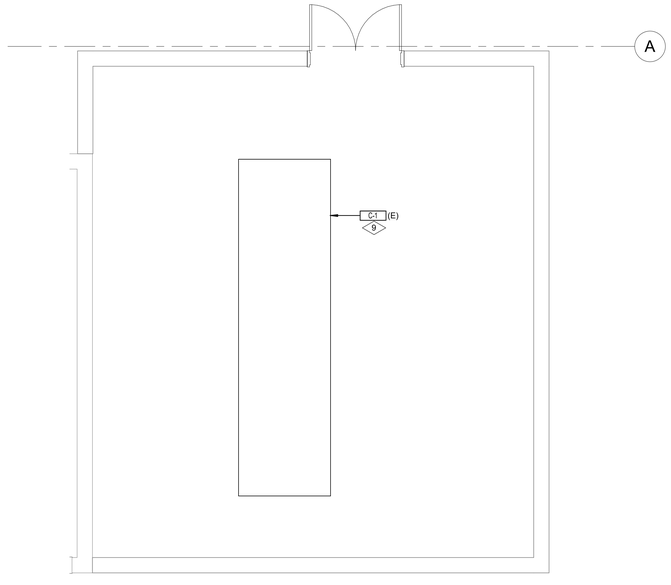


EXISTING BOILER ROOM PLAN

0 2' - 0" 4' - 0" 8' - 0"

SCALE: 1/4" = 1'-0"

(ALTERNATE #3

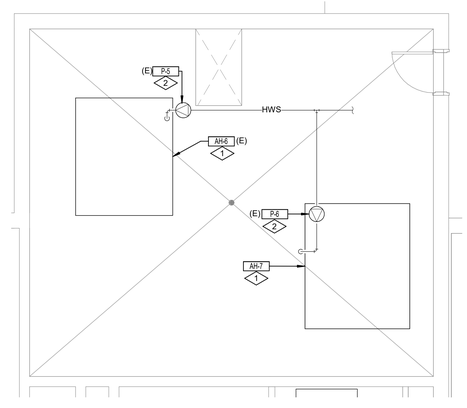


EXISTING CHILLER ROOM PLAN

0 2' - 0" 4' - 0" 8' - 0"

SCALE: 1/4" = 1'-0"

(ALTERNATE #3

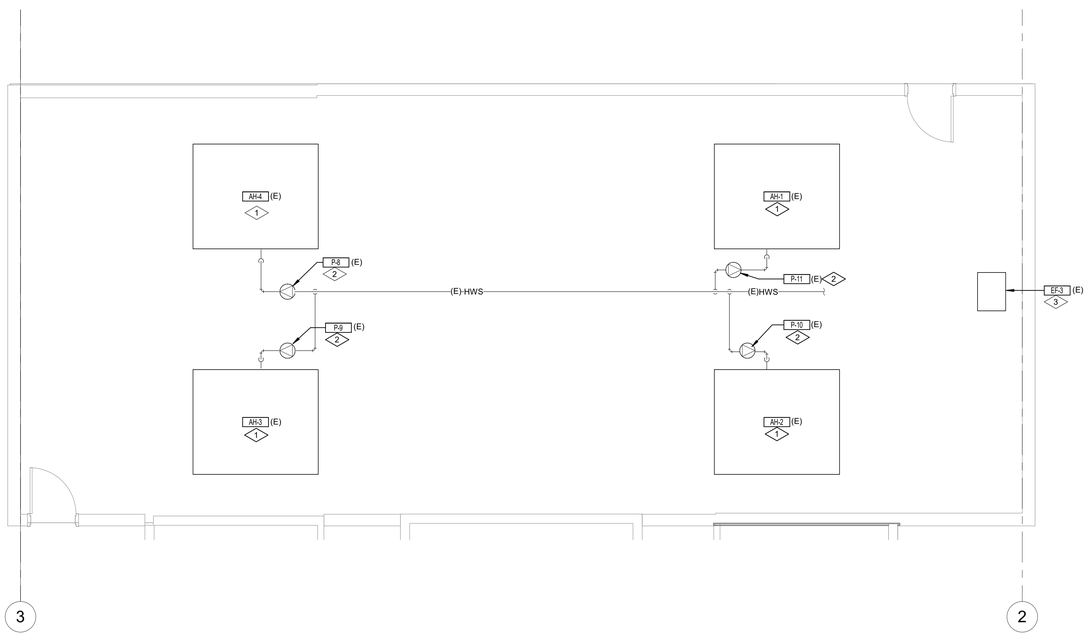


EXISTING NORTH MECHANICAL ROOM - AREA A

0 2' - 0" 4' - 0" 8' - 0"

SCALE: 1/4" = 1'-0"

(ALTERNATE #3

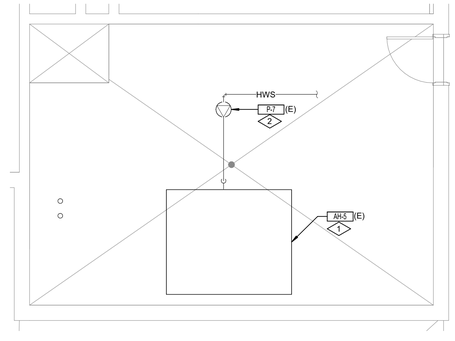


EXISTING MECHANICAL PENTHOUSE PLAN

0 2' - 0" 4' - 0" 8' - 0"

SCALE: 1/4" = 1'-0"

(ALTERNATE #3



EXISTING SOUTH MECHANICAL ROOM - AREA A

0 2' - 0" 4' - 0" 8' - 0"

SCALE: 1/4" = 1'-0"

(ALTERNATE #3

8 REFERENCE NOTES- ALT#3

1. PROVIDE NEW CONTROLLER AT EXISTING AIR HANDLER & RELATED DAMPERS UNDER ALTERNATE #3.
2. PROVIDE NEW CONTROLLER AT EXISTING COIL PUMPS UNDER ALTERNATE #3.
3. PROVIDE NEW CONTROLLER AT EXISTING IN-LINE ECHAUST FAN UNDER ALTERNATE #3.
4. PROVIDE NEW CONTROLLERS AT EXISTING HEATING BOILERS UNDER ALTERNATE #3.
5. PROVIDE NEW CONTROLLERS AT EXISTING HEATING PUMPS UNDER ALTERNATE #3.
6. PROVIDE NEW CONTROLLER FOR EXISTING UNIT HEATER UNDER ALTERNATE #3.
7. PROVIDE NEW CONTROLLERS AT EXISTING CHILLED WATER PUMPS INDER ALTERNATE #3.
8. PROVIDE NEW CONTROLLERS AT EXISTING DOMESTIC WATER HEATERS & CIRCULATING PUMPS UNDER ALTERNATE #3.
9. PROVIDE NEW CONTROLLERS AT EXISTING AIR COOLED CHILLER UNDER ALTERNATE #3.

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ENLARGED MECHANICAL PLANS - ALTERNATE #3

M403 REV

MAKE-UP AIR UNIT SCHEDULE - ALTERNATE #3

SYMBOL	AREA SERVED	CFM	ESP	FLOW CONFIG	NATURAL GAS - HEATING CAPCITY			DX COOLING CAPACITY (2)			ELECTRICAL VOLTAGE	SIZE L"xW"xH" WEIGHT	DX COOLING CAPACITY (1)
					MBH INPUT	MBH OUTPUT	TEMP . RISE	TOTAL	SENS.	DB/WB			
MAU-1	EXISTING KITCHEN	4800	0.60"	DOWN	454.9	369.5	90 DEG F.	154.0	154.0	58.5/48.9	3.0 HP @ 208/3/60	89.75"L x 95"W x 68.25"H 2,500 LBS	ECON-AIR EARTU3.1.500.20.12.5T-DOAS

NOTES:
(1) PROVIDE FACTORY ROOF CURB.

(2) TOTAL COOLING CAPACITY AT 95 DEG.F. O.A, 80 DEG.F. D.B, 67 DEG.F. W.B.

EXHAUST FAN SCHEDULE

SYMBOL	TYPE	C.F.M	S.P.	R.P.M.	MOTOR	DRIVE	MAKE & MODEL
EF-1	CEILING	75	.25"	640	.87 WATTS 120/1/60	DIRECT	TWIN CITY T100 (1)

NOTES:
(1) CEILING MOUNTED EXHAUST FANS TO BE COMPLETE WITH SIGHT TIGHT BAR-TYPE CEILING GRILLE, BACKDRAFT DAMPERS AND FLEXIBLE CONNECTION ON DISCHARGE DUCT.

ELECTRIC RADIANT HEATING PANEL SCHEDULE

SYMBOL	SIZE	WATTS HEATING CAPACITY	BTUH OUTPUT	AMPS	VOLTAGE	WEIGHT (LBS)	MAKE & MODEL
ERP-1	24" x 48"	1000	3,410	3.7	120/1/60	30	ENERJOY II RPF SHD (1)

NOTES:
(1) PANEL SHALL BE COMPLETE WITH SURFACE MOUNTING FRAME.

MECHANICAL EQUIPMENT SCHEDULE

AC-1

INDOOR UNIT: HEATING/COOLING, CEILING CASSETTE, 230-265-300CFM, 3,600-9,000 BTUH TOTAL COOLING CAPACITY AT 95° F O.A. TEMP, 80° F D.B. 67° F W.B., 6,900 BTUH TOTAL HEATING CAPACITY AT 17° F O.A. TEMP, 70° F D.B. & 60° F W.B., MCA=1.0, 208/230/1/60 MOTOR TO BE UL LISTED. UNIT TO BE COMPLETE WITH CLEANABLE FILTER, CONDENSATE PUMP, CHECK & EXPANSION VALVE KIT, PRE-CHARGED LINE SET, DRIP PAN AND DRAIN CONNECTION. PROVIDE WALL MOUNTED THERMOSTAT WITH NIGHT SET BACK. THERMOSTAT SHALL BE HARD WIRED TO UNIT.
UNIT DIM: 22 7/16" L x 22 7/16" W x 9 21/32" H.
WEIGHT: 31 LBS.
SEER: 22.4
MANUFACTURER: MITUBISHI
MODEL: SLZ-KF09NA

OUTDOOR UNIT: AIR COOLED, HORIZONTAL DISCHARGE, INVERTER COMPRESSOR, UNIT TO BE MOUNTED ON ROOF. 3,600-9,000 BTUH TOTAL COOLING CAPACITY AT 95° F O.A. TEMP, 80° F D.B. & 67° F W.B., 6,900 BTUH TOTAL HEATING CAPACITY AT 17° F O.A., 70° F D.B. & 60° F W.B., MCA=9.0, 208/230/1/60. UNIT TO BE COMPLETE WITH CRANKCASE HEATER, AMBIENT CONTROL KIT TO 0° F. AND ALL CONTROLS FOR AUTOMATIC OPERATION. CONTRACTOR TO PROVIDE A ROOF CURB 12" ABOVE FINISHED ROOF LEVEL.
UNIT DIM: 31 1/2" L x 11 1/4" W x 21 5/8" H.
WEIGHT: 81 LBS.
MANUFACTURER: MITSUBISHI
SUZ-KA09NA2

VAV REHEAT BOX SCHEDULE

SYMBOL	MAX CFM RANGE	MIN. CFM	INLET SIZE	A.P.D.	HEATING CFM	RE-HEAT COIL (2)					MAKE & MODEL (1)
						MBH	GPM	ROWS	W.P.D.	COIL SIZE	
RB-1	100-400	100	6" DIA.	.33"	100	6.0	.6	2	.06 FT	10" x 10"	TUTTLE & BAILEY SDVP
RB-2	600-800	300	8" DIA.	.49"	300	18.0	1.8	2	.41 FT	12" x 12"	TUTTLE & BAILEY SDVP
RB-3	1200-1600	600	12" DIA.	.44	1000	59.4	5.9	2	1.9 FT	16" x 16"	TUTTLE & BAILEY SDVP

NOTES:
(1) VAV AND COIL CONTROL SHALL BE ACCESSED FROM SAME SIDE OF BOX. SEE PLAN FOR RIGHT OR LEFT HAND COIL CONNECTIONS. COORDINATE WITH CONTRACTOR.

(2) CAPACITIES BASED ON 55 DEG.F. ENTERING AIR TEMP., 180 DEG.F. ENTERING WATER TEMP WITH 20 DEG.F. WATER TEMP. DROP. & 35% PROPYLENE GLYCOL SOLUTION

DIFFUSER SCHEDULE

SYMBOL	TYPE	NECK SIZE	LOCATION	AIR PATTERN	MAKE & MODEL (1)(2)(3)
D-1 CFM	SUPPLY	8"Ø	CEILING	4-WAY	PRICE SMCD
D-2 CFM	SUPPLY	8"Ø	CEILING	4-WAY	PRICE SMD
D-3 CFM	SUPPLY	10"Ø	CEILING	4-WAY	PRICE SMD
D-4 CFM	SUPPLY	12"Ø	CEILING	4-WAY	PRICE SMD
D-5 CFM	SUPPLY	22"x22"	CEILING	4-WAY	PRICE SMD
LD-1 CFM	SUPPLY	48"x3"	SIDEWALL	2-WAY	PRICE LBP-27C

NOTES:
(1) DIFFUSER SUPPLIER SHALL COORDINATE W/ REFLECTED CEILING PLANS TO DETERMINE TYPE OF FRAMES.
(2) COLOR & FINISH TO MATCH CEILING GRID. COORDINATE WITH ARCHITECT.
(3) PROVIDE TRANSITION NECK FOR DUCT CONNECTION SIZE SHOWN.

REGISTER & GRILLE SCHEDULE

SYMBOL	SIZE	LOCATION	TYPE	MAKE & MODEL (1)
G-1	24" x 24"	CEILING	RETURN	PRICE 530D
G-2	24" x 12"	CEILING	RETURN	PRICE 530D
G-3	12" x 12"	CEILING	RETURN	PRICE 530D
G-4	24" x 12"	CEILING	EXHAUST	PRICE 530D
R-1	10" x 10"	CEILING	EXHAUST	PRICE 530D

NOTES:
(1) COLOR AND FINISH TO MATCH CEILING GRID, COORDINATE WITH ARCHITECT. SUPPLIER OF REGISTERS AND GRILLES SHALL COORDINATE WITH REFLECTED CEILING PLANS TO DETERMINE PROPER FRAMES.

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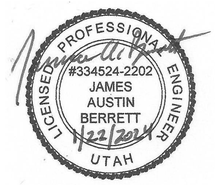
REVISIONS:



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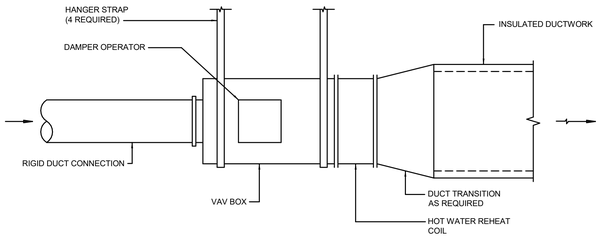
MECHANICAL SCHEDULES

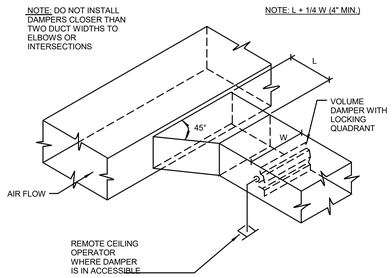
M501 REV



VAV REHEAT BOX DETAIL

NOT TO SCALE

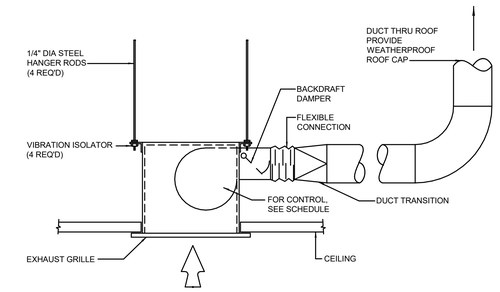
9 / M601



BRANCH DUCT TAKE-OFF DETAIL

NOT TO SCALE

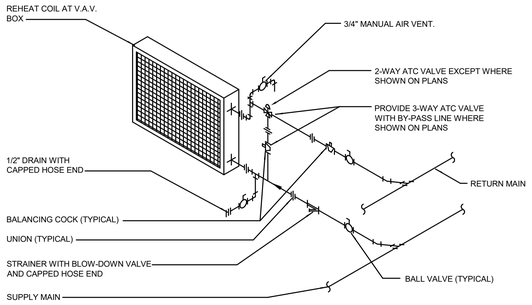
5 / M601



CEILING EXHAUST FAN DETAIL

NOT TO SCALE

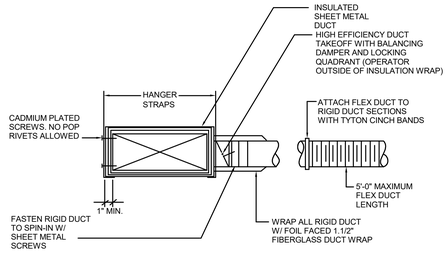
1 / M601



REHEAT COIL PIPING DETAIL

NOT TO SCALE

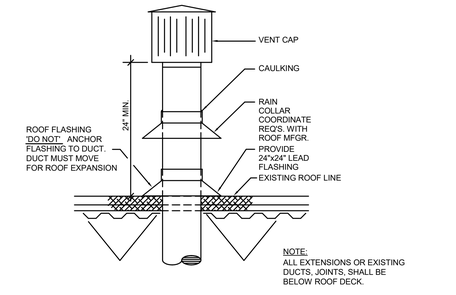
10 / M601



FLEX DUCT TAKEOFF FITTING DETAIL

NOT TO SCALE

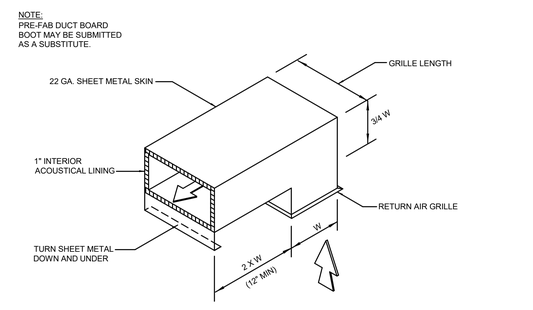
6 / M601



TYPICAL DUCT PENETRATION AT ROOF DETAIL

NOT TO SCALE

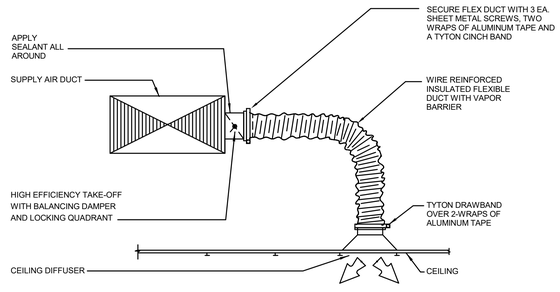
2 / M601



SOUND BOOT DETAIL

NOT TO SCALE

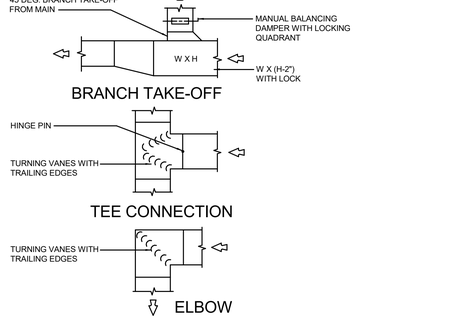
11 / M601



CEILING DIFFUSER DETAIL

NOT TO SCALE

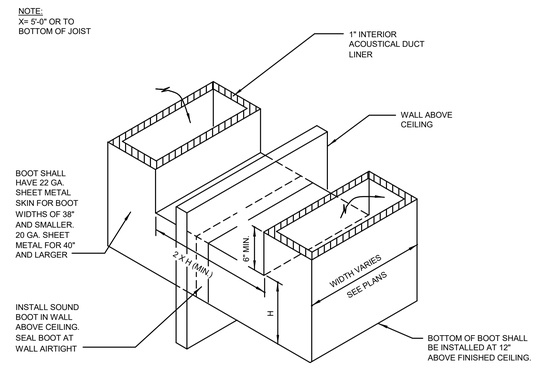
7 / M601



LOW PRESSURE DUCT DETAILS

NOT TO SCALE

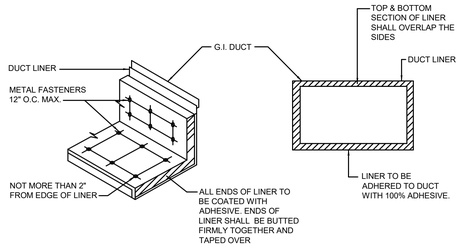
3 / M601



RETURN AIR SOUND BOOT DETAIL

NOT TO SCALE

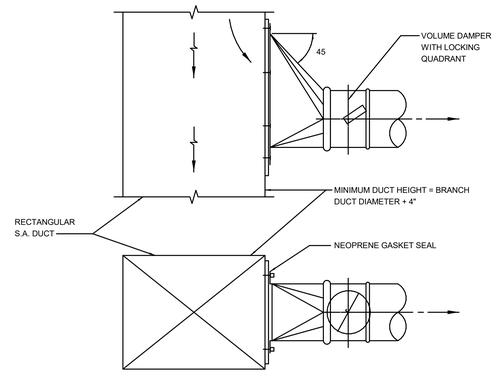
12 / M601



DUCT LINER DETAIL

NOT TO SCALE

8 / M601



45 DEG. HIGH EFFICIENCY DUCT TAKEOFF

NOT TO SCALE

4 / M601

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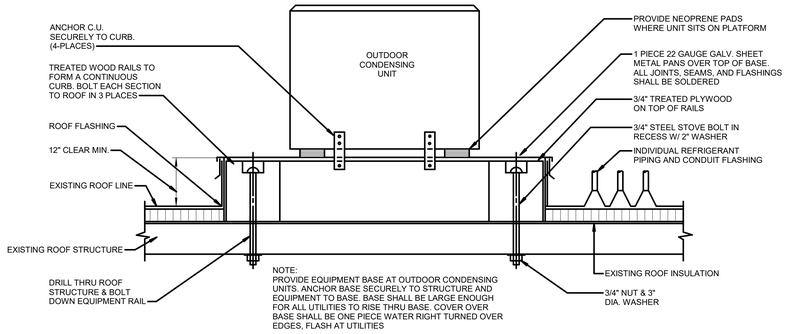
MECHANICAL DETAILS

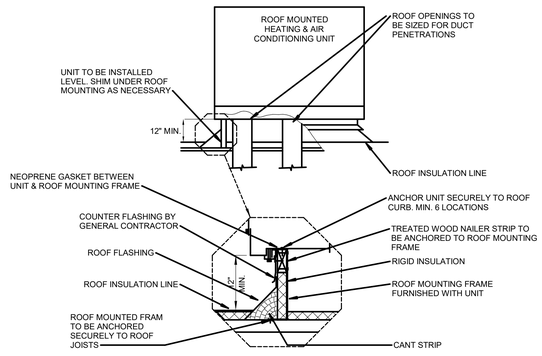
M601 REV



A/C OUTDOOR UNIT DETAIL

SCALE: NTS

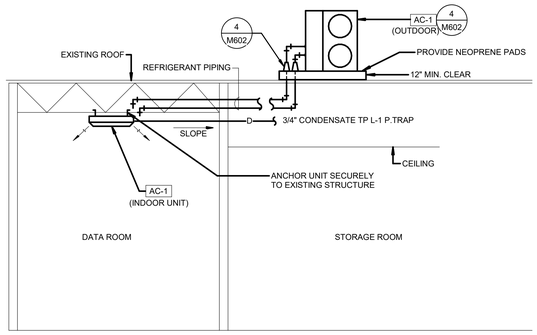
4 / M602



ROOF MOUNTED HEATING & A.C. UNIT DETAIL

SCALE: NTS (ALTERNATE #2)

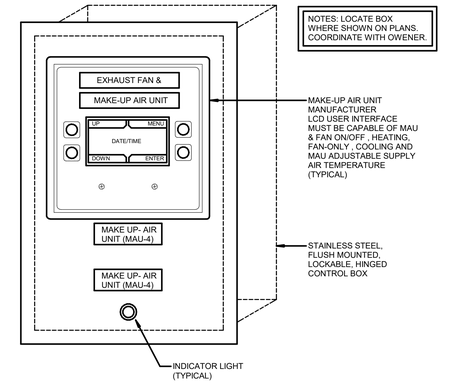
3 / M602



DATA ROOM A/C UNIT DETAIL

SCALE: NTS

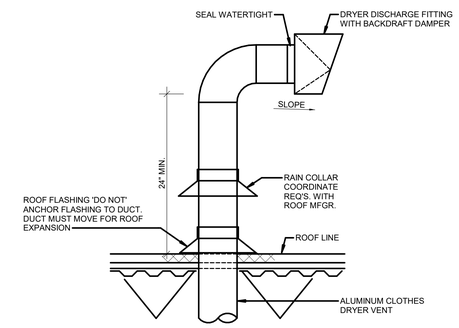
5 / M602



NEW MAKE UP AIR UNIT AND EXISTING KITCHEN EXHAUST CONTROL PANEL DETAIL-MAIN KITCHEN

SCALE: NTS (ALTERNATE #2)

2 / M602



TYPICAL DRYER DUCT TERMINATION AT ROOF DETAIL

SCALE: NTS (ALTERNATE #2)

1 / M602

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CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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JORDAN SCHOOL DISTRICT

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OWNER PROJECT NO.:
GSBS PROJECT NO.: 2023.043.00
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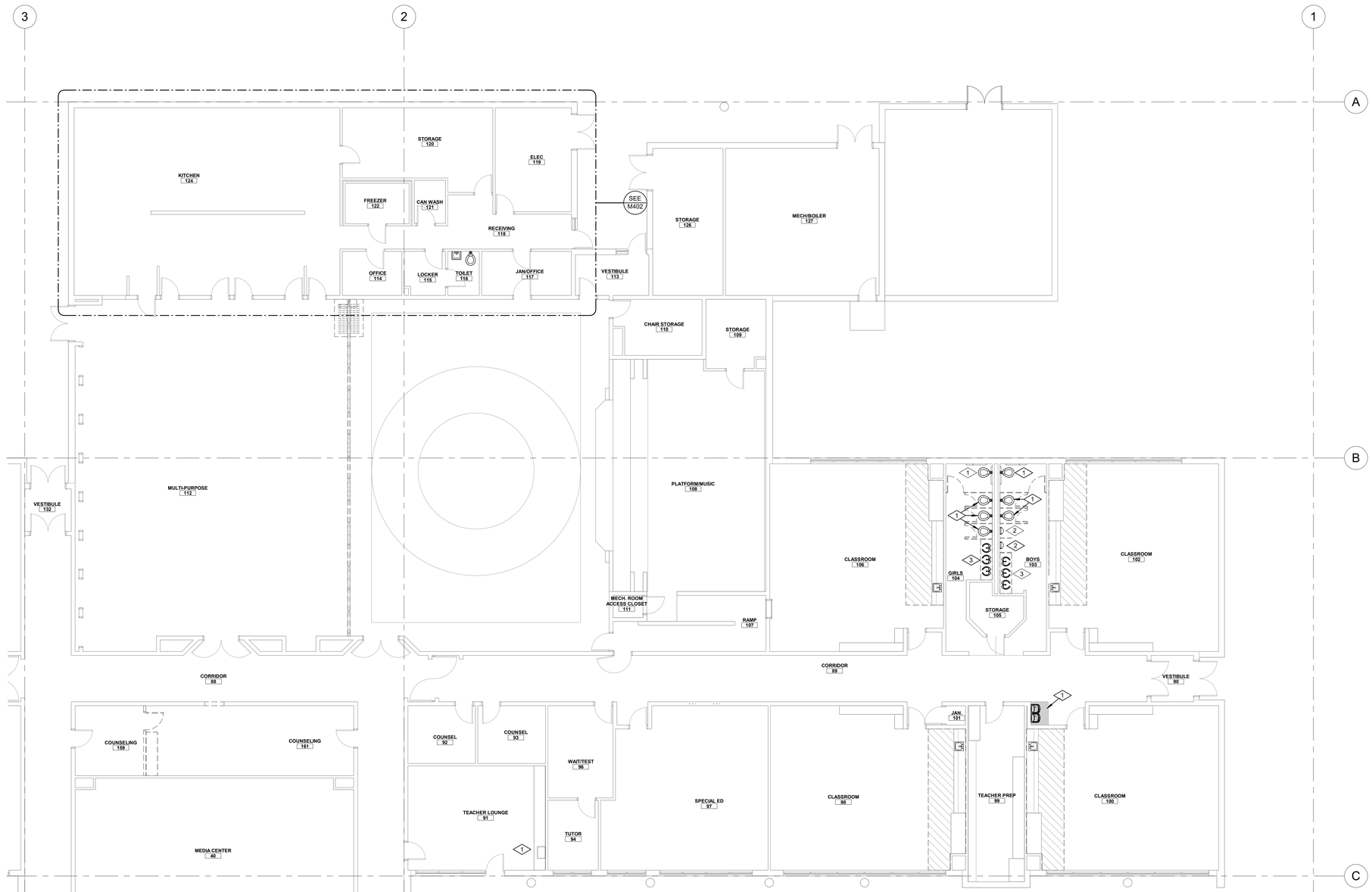
MECHANICAL DETAILS

M602 REV



LEVEL 1 PLUMBING DEMO PLAN - AREA A

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

1 EXISTING FIXTURE TO REMAIN.

2 REMOVE EXISTING URINAL MANUAL FLUSH VALVE. URINAL TO REMAIN. COORDINATE WITH NEW WORK

3 REMOVE EXISTING CHINA COUNTER MOUNTED LAVATORY, P-TRAP, STOPS AND SUPPLIES COMPLETE UNDER ALT. #4. (TYPICAL OF 3) COORDINATE WITH NEW WORK.

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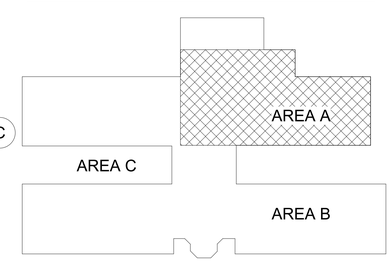
KEY PLAN



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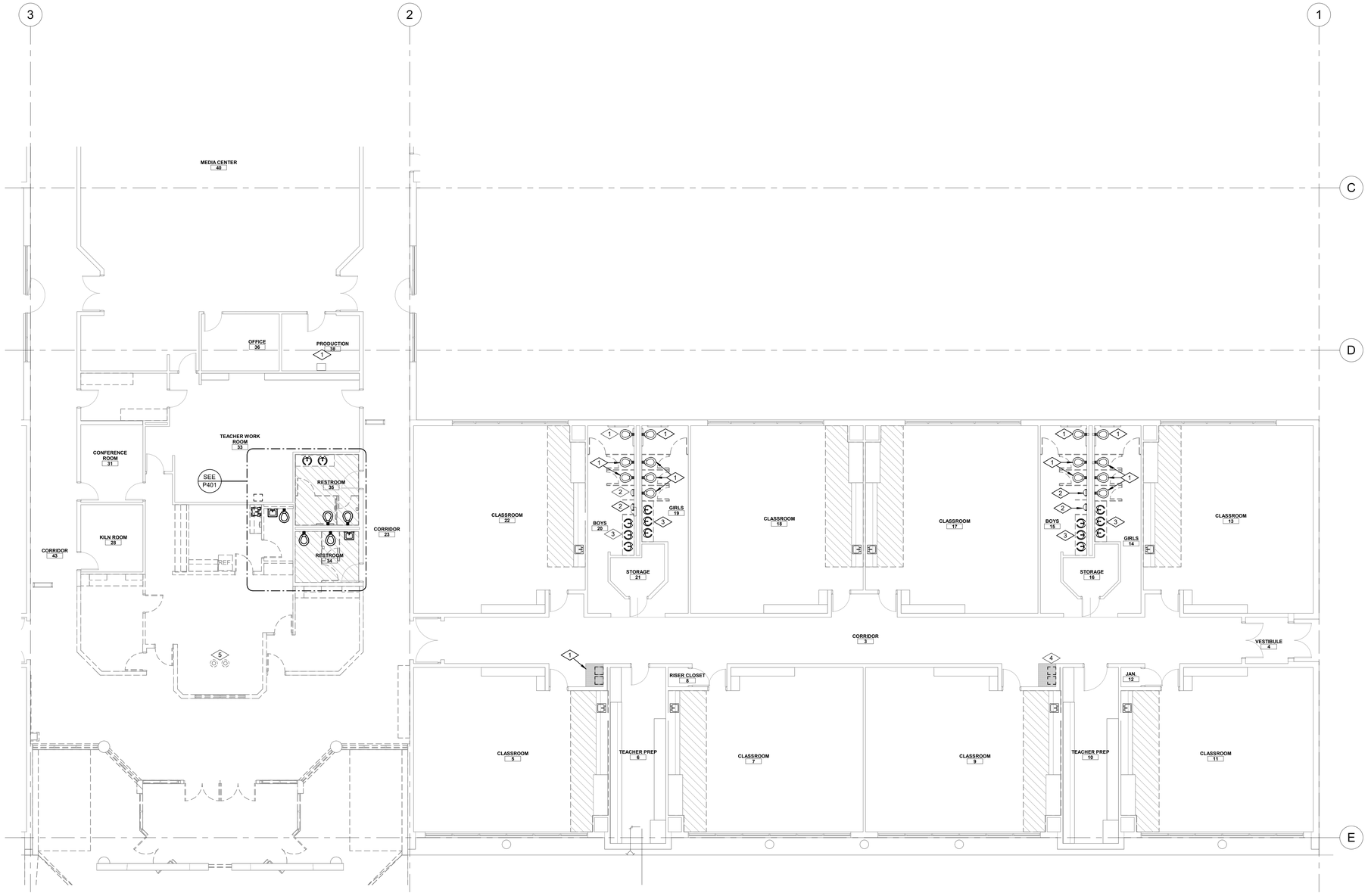
PLUMBING DEMO PLAN - AREA A

PD101A REV



LEVEL 1 PLUMBING DEMO PLAN - AREA B

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

1. EXISTING FIXTURE TO REMAIN.
2. REMOVE EXISTING URINAL MANUAL FLUSH VALVE. URINAL TO REMAIN. COORDINATE WITH NEW WORK
3. REMOVE EXISTING CHINA COUNTER MOUNTED LAVATORY, P-TRAP, STOPS AND SUPPLIES COMPLETE UNDER ALT. #4. (TYPICAL OF 3) COORDINATE WITH NEW WORK.
4. REMOVE EXISTING DUAL LEVEL REFRIGERATED DRINKING FOUNTAIN, WALL BRACKET, P-TRAP, STOPS AND SUPPLIES COMPLETE. COORDINATE WITH NEW WORK.
5. EXISTING ROOF DRAINS AND PIPING TO REMAIN.

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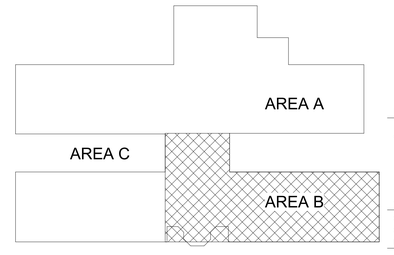

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PLUMBING DEMO PLAN - AREA B

PD101B REV

LEVEL 1 PLUMBING DEMO PLAN - AREA C

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

1. EXISTING FIXTURE TO REMAIN.
2. REMOVE EXISTING URINAL MANUAL FLUSH VALVE. URINAL TO REMAIN. COORDINATE WITH NEW WORK
3. REMOVE EXISTING CHINA COUNTER MOUNTED LAVATORY, P-TRAP, STOPS AND SUPPLIES COMPLETE UNDER ALT. #4. (TYPICAL OF 3) COORDINATE WITH NEW WORK.
4. REMOVE EXISTING DUAL LEVEL REFRIGERATED DRINKING FOUNTAIN, WALL BRACKET, P-TRAP, STOPS AND SUPPLIES COMPLETE. COORDINATE WITH NEW WORK.

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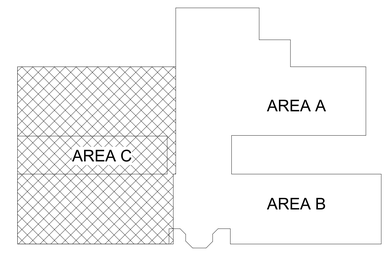

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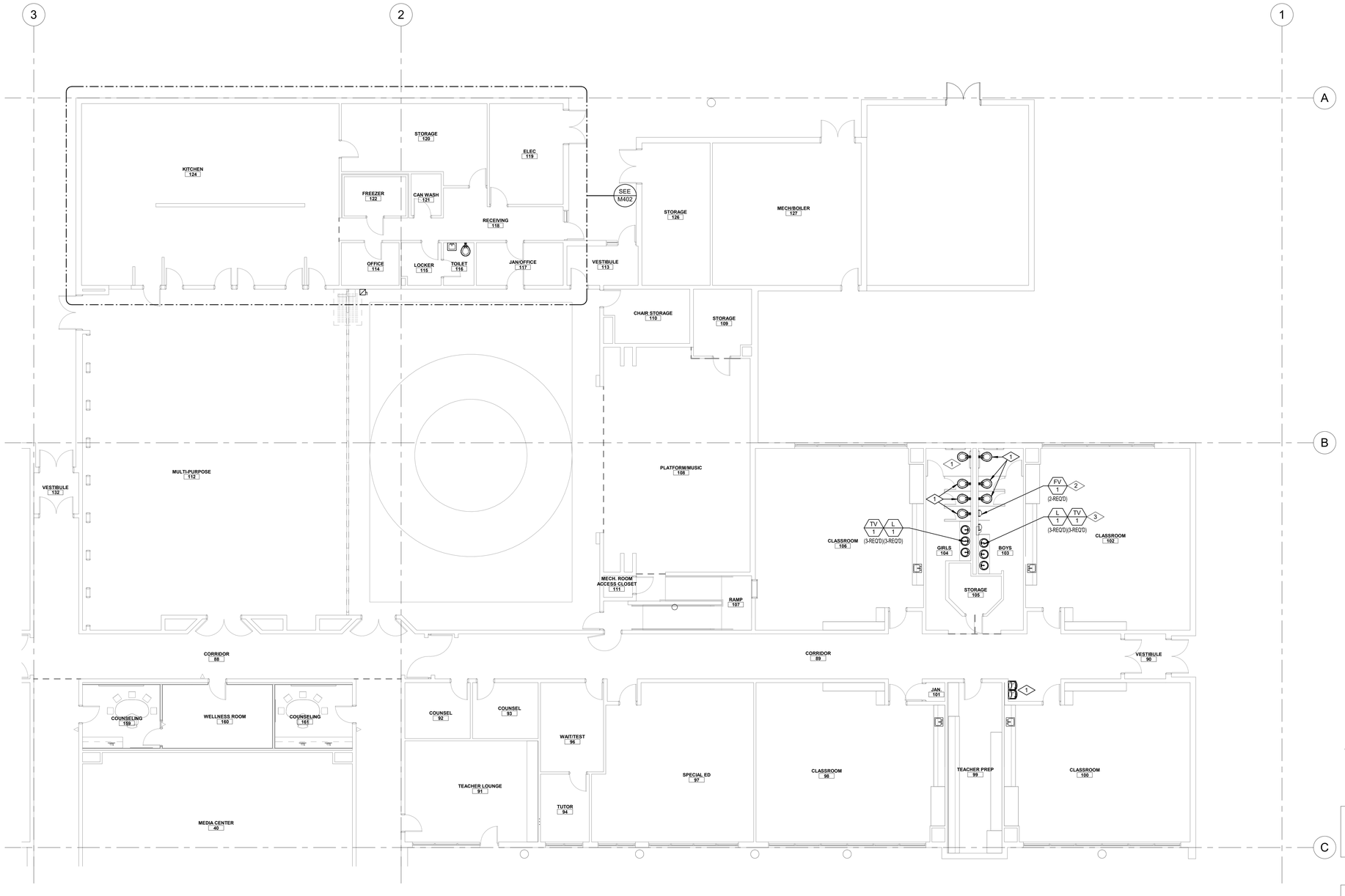
PLUMBING DEMO PLAN - AREA C

PD101C REV



REFERENCE NOTES

1. EXISTING FIXTURE TO REMAIN.
2. PROVIDE NEW URINAL BATTERY POWERED SENSOR FLUSH VALVE.
3. PROVIDE AND INSTALL NEW UNDER COUNTER MOUNTED LAVATORY, P-TRAP, 1/4 TURN BALL STOPS AND SUPPLIES COMPLETE UNDER ALT. #4. (TYPICAL OF 3)

LEVEL 1 PLUMBING PLAN - AREA A

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

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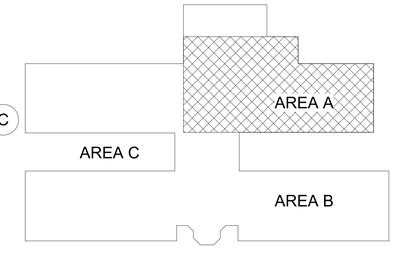

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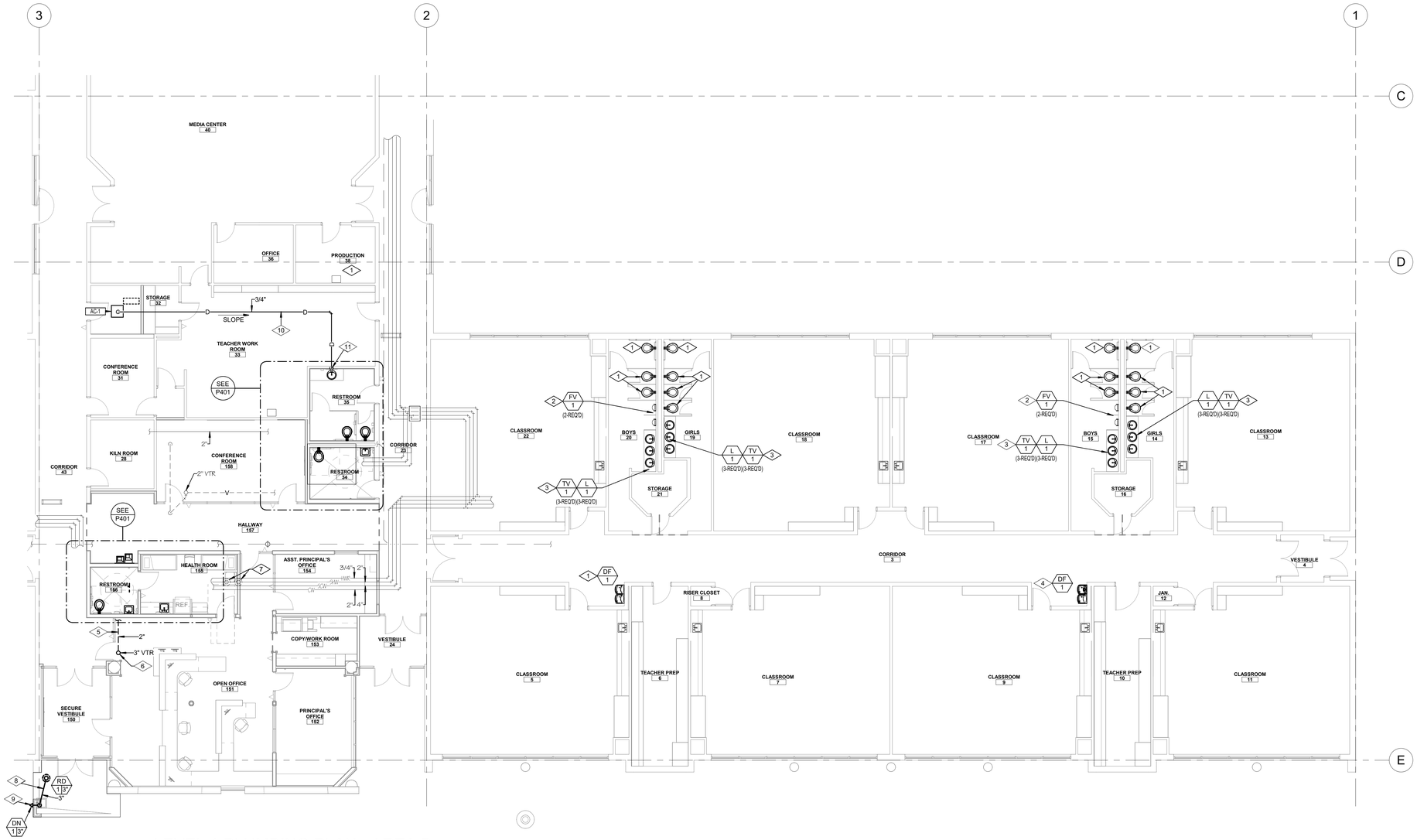
PLUMBING PLAN - AREA A

REV

P101A



LEVEL 1 PLUMBING PLAN - AREA B

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

1. EXISTING FIXTURE TO REMAIN.
2. PROVIDE NEW URINAL BATTERY POWERED SENSOR FLUSH VALVE.
3. PROVIDE AND INSTALL NEW UNDER COUNTER MOUNTED LAVATORY, P-TRAP, 1/4 TURN BALL STOPS AND SUPPLIES COMPLETE UNDER ALT. #4. (TYPICAL OF 3)
4. PROVIDE AND INSTALL NEW DUAL LEVEL REFRIGERATED DRINKING FOUNTAIN WITH BOTTLER FILLER, WALL BRACKET, P-TRAP, 1/4 TURN BALL STOPS AND SUPPLIES COMPLETE.
5. PIPING TO RUN ABOVE CEILING. COORDINATE WITH EXISTING CONDITION.
6. VENT THRU ROOF. (VTR) SEE DETAIL 4/P501. MAINTAIN A MINIMUM OF 15'-0" FROM ALL O.A. INTAKES.
7. EXISTING ROOF DRAINS AND PIPING TO REMAIN.
8. ROOF DRAIN PIPE TO RUN ABOVE CANOPY CEILING. PROVIDE HEAT TAPE AT RD-1, PIPING COMPLETE TO DN-1.
9. DROP IN COLUMN TO 30" ABOVE GRADE. PROVIDE HEAT TAPE.
10. PIPING TO RUN ABOVE CEILING.
11. PIPE AC-1 3/4" CONDESATE INDIRECT TO L-1 P-TRAP. SEE DETAIL 7/P501.

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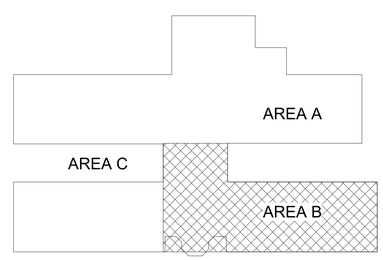

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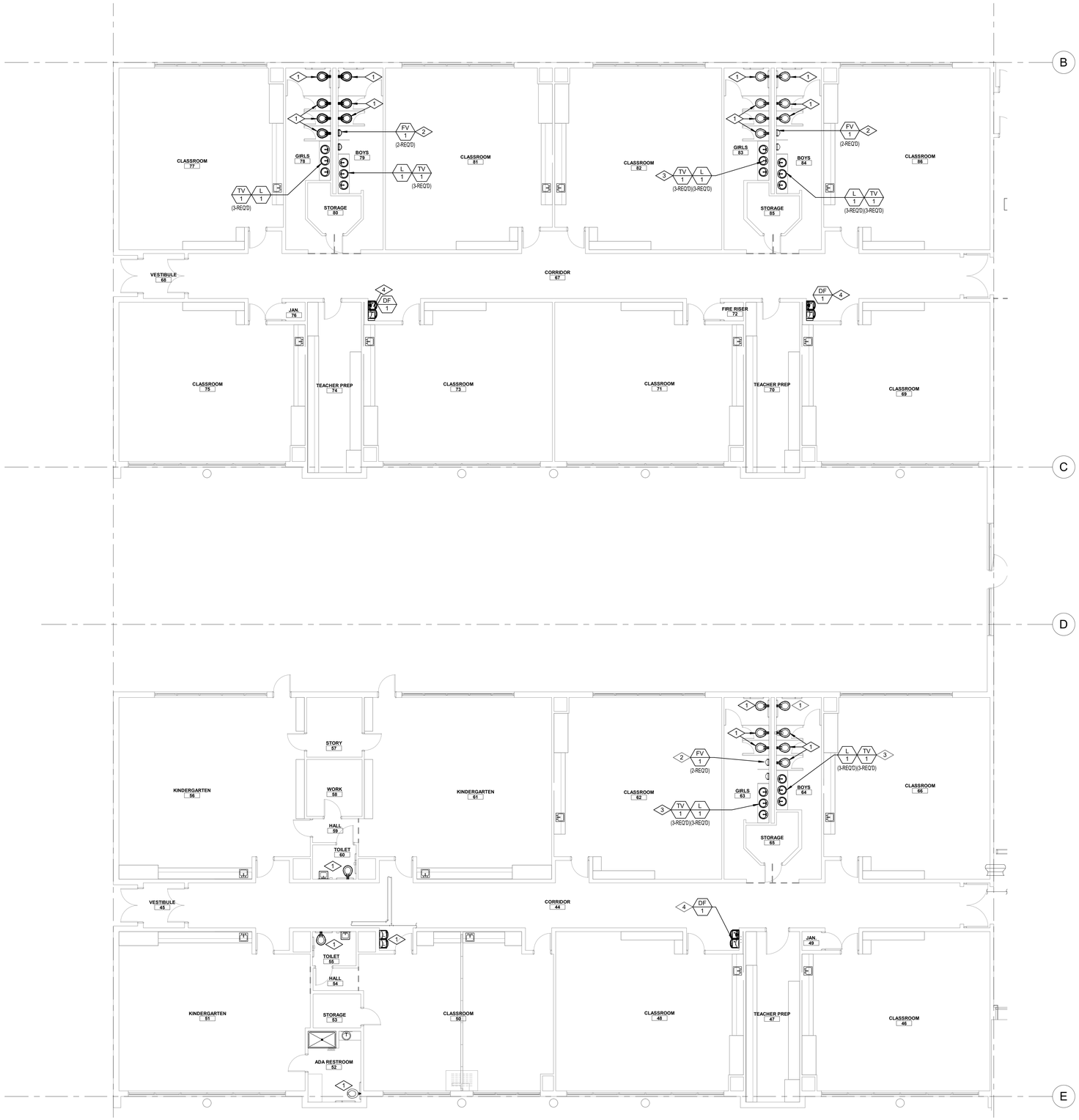
PLUMBING PLAN - AREA B

P101B REV



LEVEL 1 PLUMBING PLAN - AREA C

0 4' - 0" 8' - 0" 16' - 0"

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

1. EXISTING FIXTURE TO REMAIN.
2. PROVIDE NEW URINAL BATTERY POWERED SENSOR FLUSH VALVE.
3. PROVIDE AND INSTALL NEW UNDER COUNTER MOUNTED LAVATORY, P-TRAP, 1/4 TURN BALL STOPS AND SUPPLIES COMPLETE UNDER ALT. #4. (TYPICAL OF 3)
4. PROVIDE AND INSTALL NEW DUAL LEVEL REFRIGERATED DRINKING FOUNTAIN WITH BOTTLER FILLER, WALL BRACKET, P-TRAP, 1/4 TURN BALL STOPS AND SUPPLIES COMPLETE.

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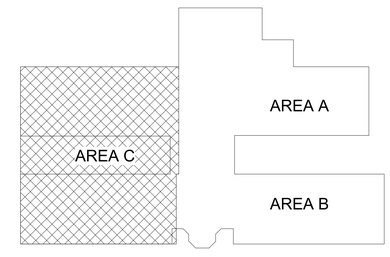

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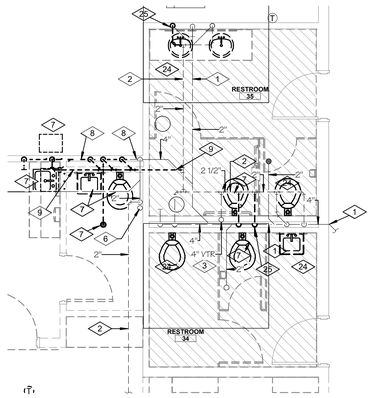
PLUMBING PLAN - AREA C

P101C REV

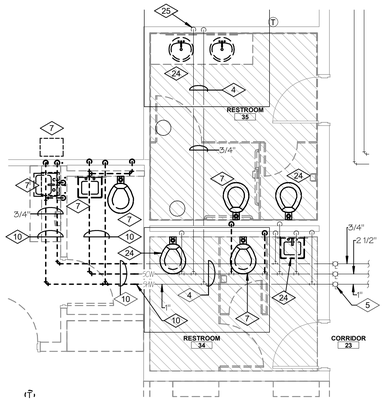


ENLARGED FACULTY RESTROOMS DEMO PLAN - AREA B

0 2' - 0" 4' - 0" 8' - 0"

WASTE & VENT

SCALE: 1/4" = 1'-0"

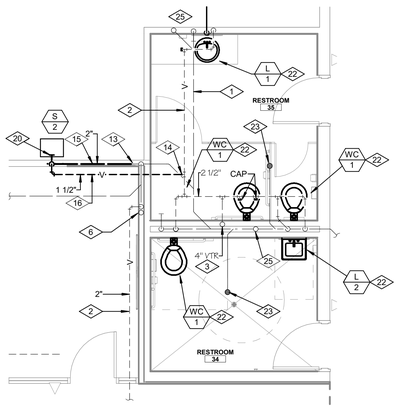


ENLARGED FACULTY RESTROOMS DEMO PLAN - AREA B

0 2' - 0" 4' - 0" 8' - 0"

WATER SUPPLY

SCALE: 1/4" = 1'-0"

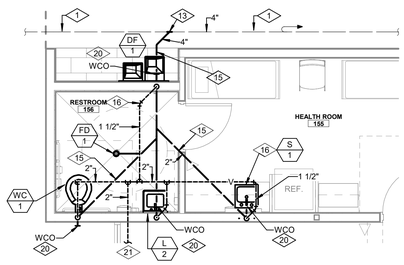


ENLARGED FACULTY RESTROOMS PLAN - AREA B

0 2' - 0" 4' - 0" 8' - 0"

WASTE & VENT

SCALE: 1/4" = 1'-0"

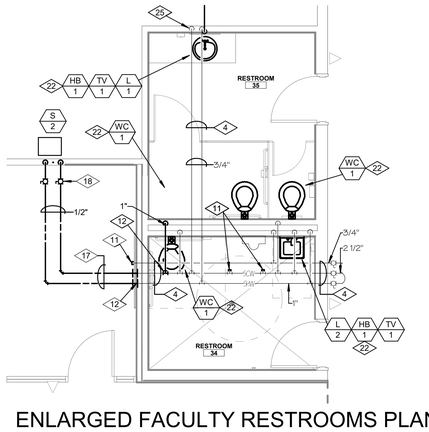


ENLARGED HEALTH ROOM & RESTROOMS PLAN - AREA B

0 2' - 0" 4' - 0" 8' - 0"

WASTE & VENT

SCALE: 1/4" = 1'-0"

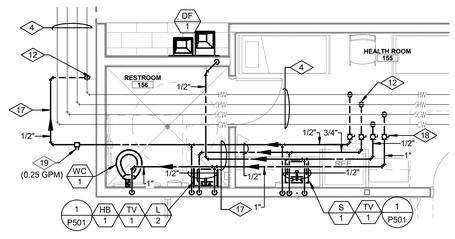


ENLARGED FACULTY RESTROOMS PLAN - AREA B

0 2' - 0" 4' - 0" 8' - 0"

WATER SUPPLY

SCALE: 1/4" = 1'-0"



ENLARGED HEALTH ROOM & RESTROOMS PLAN - AREA B

0 2' - 0" 4' - 0" 8' - 0"

WATER SUPPLY

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

#	
1	APPROXIMATE LOCATION OF EXISTING WASTE PIPING BELOW FLOOR.
2	APPROXIMATE LOCATION OF EXISTING VENT PIPING ABOVE CEILING.
3	APPROXIMATE LOCATION OF EXISTING VENT THRU ROOF.
4	APPROXIMATE LOCATION OF EXISTING WATERS ABOVE CEILING.
5	APPROXIMATE LOCATION OF EXISTING ISOLATION VALVE.
6	APPROXIMATE LOCATION OF EXISTING WASTE DROP FROM ABOVE.
7	REMOVE EXISTING FIXTURE AND PIPING COMPLETE.
8	REMOVE EXISTING WASTE PIPING BELOW FLOOR TO LOCATION SHOWN. (TYPICAL) COORDINATE WITH NEW WORK.
9	REMOVE EXISTING VENT PIPING ABOVE CEILING TO LOCATION SHOWN. (TYPICAL) COORDINATE WITH NEW WORK.
10	REMOVE EXISTING WATERS ABOVE CEILING TO LOCATION SHOWN. (TYPICAL) COORDINATE WITH NEW WORK.
11	CAP EXISTING SOFT COLD WATER AT APPROXIMATELY THIS LOCATION.
12	TIE INTO EXISTING WATERS AT APPROXIMATELY THIS LOCATION. REPAIR PIPE INSULATION AT TIE-IN.
13	TIE NEW WASTE INTO EXISTING WASTE LINE BELOW FLOOR AT APPROXIMATELY THIS LOCATION. FIELD VERIFY EXACT LOCATION AND INVERT.
14	TIE NEW VENT INTO EXISTING LINE ABOVE CEILING AT APPROXIMATELY THIS LOCATION.
15	NEW WASTE PIPING BELOW FLOOR. COORDINATE WITH EXISTING CONDITIONS AND NEW WORK.
16	NEW VENT PIPING ABOVE CEILING. COORDINATE WITH EXISTING CONDITIONS.
17	NEW WATERS ABOVE CEILING. COORDINATE WITH EXISTING CONDITIONS.
18	NEW LINE SIZE BALL VALVE ABOVE CEILING. (TYPICAL) VALVE MUST BE ACCESSIBLE.
19	CIRCUIT SETTER IN HOT RE-CIRCULATING LINE. BALANCE TO GPM SHOWN.
20	WALL CLEANOUT. (WCO) SEE DETAIL 2/P501. (TYPICAL)
21	SEE SHEET P101B FOR CONTINUATION.
22	CONNECT NEW FIXTURES TO EXISTING PIPING. PROVIDE NEW STOPS, SUPPLIES, TRAPS ETC.
23	EXISTING FIXTURES AND PLUMBING TO REMAIN.
24	REMOVE EXISTING FIXTURES AND PIPING AS REQUIRED FOR NEW WORK
25	CAP WASTE AND WATER IN WALL. CAP VENT ABOVE CEILING AT MAIN.

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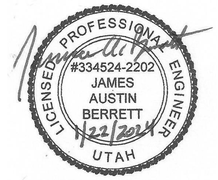

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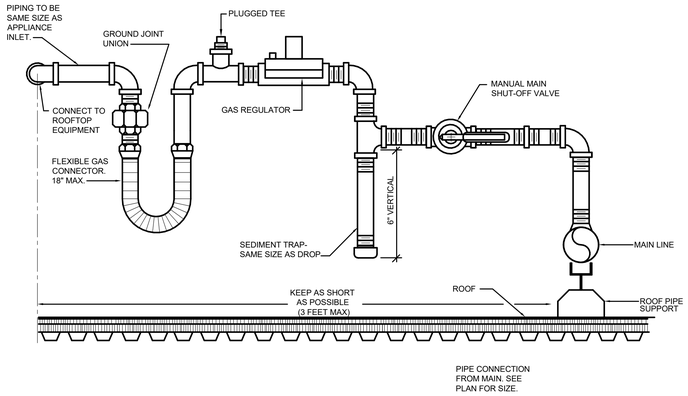
ENLARGED PLUMBING PLANS

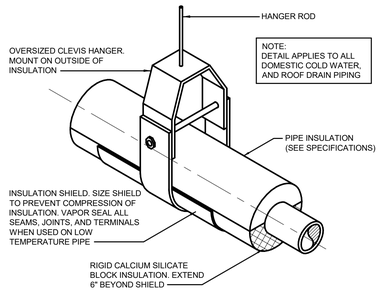
PROJECT NORTH

P401 REV



ROOFTOP GAS LINE CONNECTION DETAIL

NOT TO SCALE (ALTERNATE #2) — 6 / P501



PIPE SUPPORT DETAIL

NOT TO SCALE (COLD SURFACE PIPING) — 3 / P501

PLUMBING FIXTURE SCHEDULE

	SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	TEMP. W.	NOTES (1)
	WC-1	WATER CLOSET	4"	2"	1"	--	--	FLOOR MOUNTED - FLUSH VALVE (ADA)
	FV-1	FLUSH VALVE	--	--	3/4"	--	--	EXISTING URINAL NEW BATTERY POWERED SENSOR
(ALT #4)	L-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	UNDER COUNTER MOUNTED - (ADA) W/ASSE TV-1 (2)
	L-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	WALL MOUNTED - (ADA) W/ASSE TV-1
	S-1	SINK	1-1/2"	1-1/2"	1/2"	1/2"	--	COUNTER MOUNTED - (ADA)
	DF-1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1/2"	--	--	DUAL LEVEL W/ BOTTLE FILLER
	HB-1	HOSE BIBB	--	--	3/4"	--	--	MOUNT BELOW LAVATORY
	TV-1	TEMPERING VALVE	--	--	1/2"	1/2"	1/2"	SINGLE LAV. ASSE 1070 MOUNT UNDER LAVATORY
	FD-1	FLOOR DRAIN	2"	1-1/2"	--	--	--	PROVIDE DEEP SEAL TRAP AND ASSE TRAP GUARD
	RD-1	ROOF DRAIN	--	--	--	--	--	SEE PLANS FOR SIZE
	DN-1	DOWNSPOUT NOZZLE	--	--	--	--	--	SEE PLANS FOR SIZE

NOTES:
(1) CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN OR INSTALLATION.
(2) L-1 LAVATORIES TO BE BID UNDER ALTERNATE #4.

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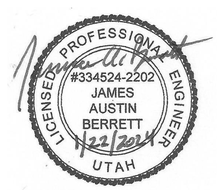

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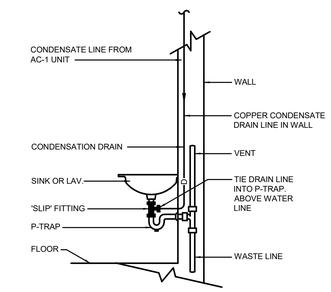
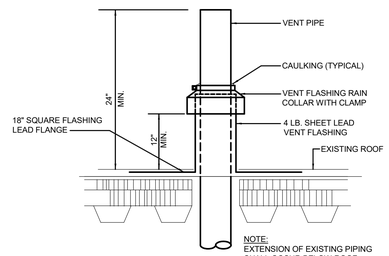


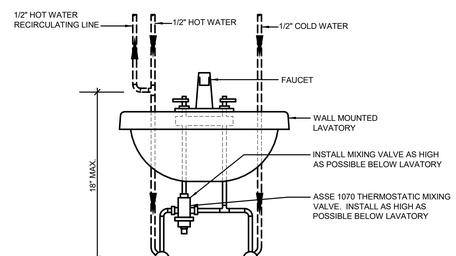
CONDENSATE DRAIN DETAIL

NOT TO SCALE — 7 / P501



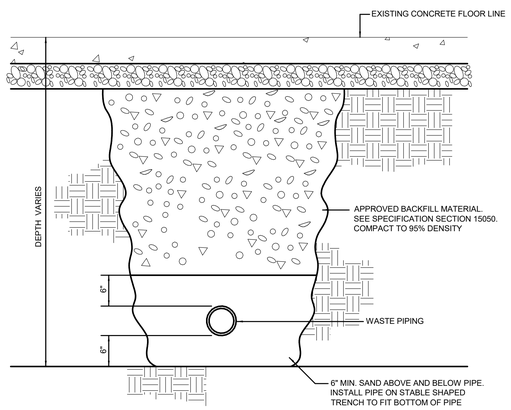
VENT THRU ROOF DETAIL

NOT TO SCALE — 4 / P501



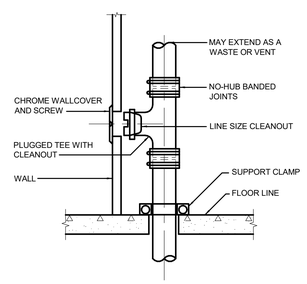
PUBLIC LAVATORY PIPING DETAIL

NOT TO SCALE — 1 / P501



TYPICAL WASTE PIPING TRENCH DETAIL

NOT TO SCALE — 5 / P501



WALL CLEANOUT DETAIL

NOT TO SCALE — 2 / P501

CONSTRUCTION DOCUMENTS

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13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD, WEST JORDAN, UT 84088

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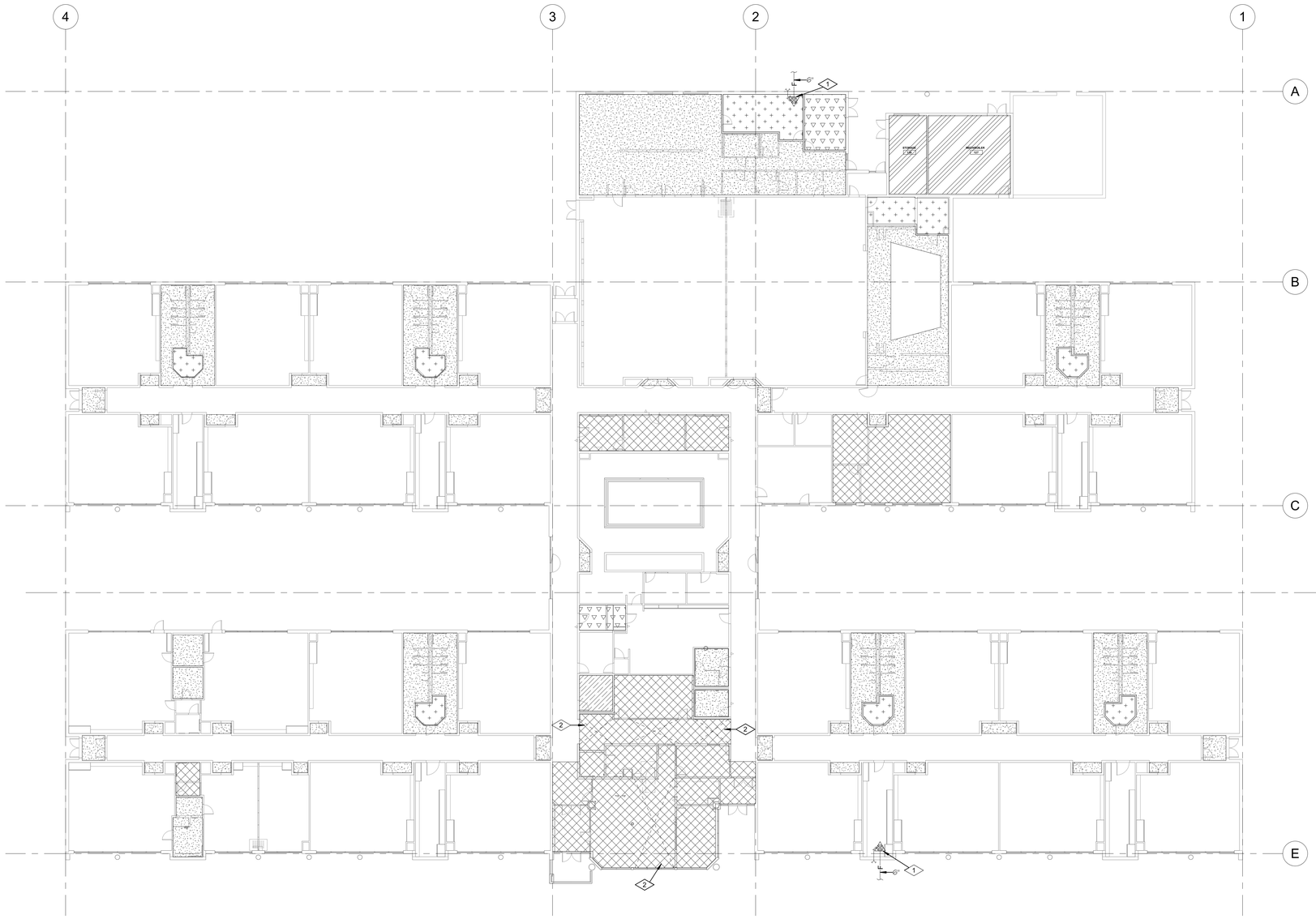
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

PLUMBING SCHEDULES & DETAILS

P501 REV



LEVEL 1 FIRE PROTECTION PLAN

0 8' - 0" 16' - 0" 32' - 0"

SCALE: 1/16" = 1'-0"

REFERENCE NOTES

1. REBUILD EXISTING FIRE RISER TO CURRENT CODES AND STANDARDS. SEE 2/FP601.
2. REPLACE EXISTING SIDEWALL PENDENT HEADS AT SKYLIGHT. (TYPICAL) COORDINATE WITH ARCHITECTURAL PLANS.

FIRE PROTECTION LEGEND

NO MARK
- LIGHT HAZARD
- LAY-IN CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY CONCEALED SPRINKLER HEADS INSTALLED TIGHT TO CEILING WITH WHITE COVER PLATE SIMILAR TO VIKING VK4621
- RELOCATE EXISTING FIRE PIPING & FIRE SPRINKLER HEADS AS REQUIRED FOR CEILING REPLACEMENT
- LAY-IN OR GYP. BOARD CEILING TO BE DEMOLISHED AND REPLACED. (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR)

- ORDINARY HAZARD, GROUP 1
- EXISTING GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- NEW PENDENT TYPE HEADS TO REPLACE EXISTING PENDENT HEADS

- LIGHT HAZARD
- EXISTING OR NEW GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- NEW PENDENT TYPE HEADS TO REPLACE EXISTING PENDENT HEADS

- ORDINARY HAZARD, GROUP 1
- EXPOSED STRUCTURE (NO CEILINGF)
- UPRIGHT WHITE HEADS ON EXPOSED PIPING
- RELOCATE EXISTING FIRE PIPING & FIRE SPRINKLER HEADS AS REQUIRED

- ORDINARY HAZARD, GROUP 2
- EXPOSED STRUCTURE (NO CEILING)
- UPRIGHT ROUGH BRASS HEADS ON EXPOSED PIPING
- REPLACE EXISTING FIRE PIPING & FIRE SPRINKLER HEADS AS REQUIRED

- ORDINARY HAZARD, GROUP 2
- GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- NEW PENDENT TYPE HEADS TO REPLACE EXISTING PENDENT HEADS

- LIGHT HAZARD
- MODIFY EXISTING SPRINKLER SYSTEM FOR NEW ARCHITECTURAL LAYOUT. (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FIELD VERIFY LINE LOCATIONS. DEMO AND INSTALL NEW SPRINKLER HEADS AS REQUIRED PER NFPA 13.
- LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS)
- FLUSH TYPE FULLY CONCEALED SPRINKLER HEADS INSTALLED TIGHT TO CEILING WITH WHITE COVER PLATE SIMILAR TO VIKING VK4621

FIRE SPRINKLER RISER - REBUILD EXISTING RISER

PROJECT NORTH

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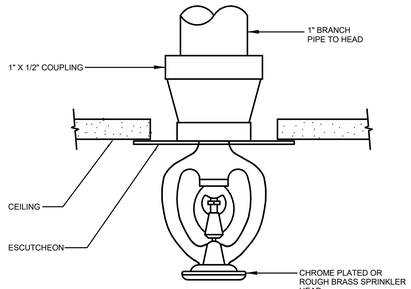
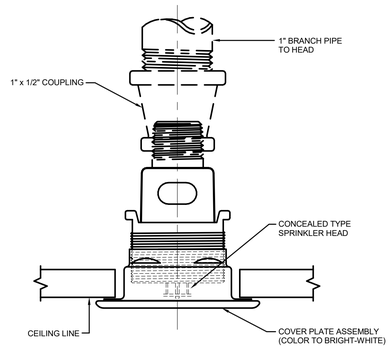
FIRE PROTECTION PLAN

FP101 REV



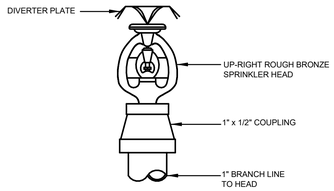
SPRINKLER HEAD DETAIL — 3 / FP601

NOT TO SCALE



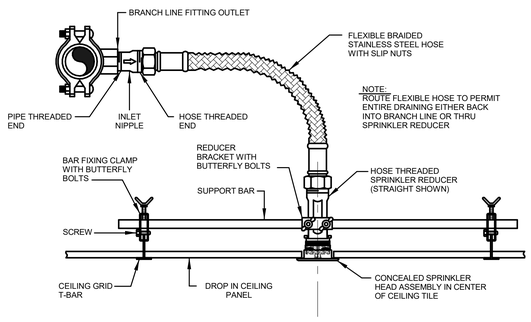
FLUSH SPRINKLER HEAD DETAIL — 1 / FP601

NOT TO SCALE



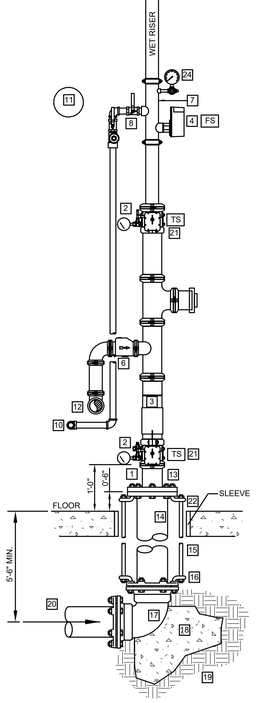
UPRIGHT ROUGH BRONZE, WHITE OR CHROME SPRINKLER HEAD DETAIL — 4 / FP601

NOT TO SCALE



SPRINKLER HOSE DETAIL — 5 / FP601

NOT TO SCALE



UPGRADE OF FIRE SPRINKLER RISER DETAIL — 2 / FP601

NOT TO SCALE

RISER DETAIL NOTES

1. USE FLEXIBLE GROOVED PIPE COUPLING ONLY IF SEISMIC BRACING IS REQUIRED. SEE NOTE #12.
2. GROOVED BUTTERFLY VALVE WITH INTEGRAL SUPERVISORY SWITCH
3. DOUBLE CHECK BACKFLOW PREVENTER WITH RELATED TRIM AND GAUGES
4. VANE TYPE WATER FLOW SWITCH
5. SUPPLY TO WET PIPE FIRE SPRINKLER SYSTEM
6. SWING CHECK VALVE
7. RISER MANIFOLD - INCLUDES PRESSURE GAUGE, FLOW SWITCH, AND TEST AND MAIN DRAIN DEVICE.
8. TEST & MAIN DRAIN DEVICE - PIPE TO OUTSIDE.
9. SEISMIC BRACING REQUIRED IN SEISMIC DESIGN CATEGORY C, D, E, F. SEE DESIGN CRITERIA SCHEDULE ON SHEET S001.
10. PIPE TO DRAIN OUTSIDE
11. WEATHERPROOF ELECTRIC HORN AND STROBE (OUTSIDE)
12. OUT TO FIRE DEPARTMENT CONNECTION WITH GALVANIZED SCH 40 PIPING- PROVIDE BALL DRIP WHEN TRAPPING PIPE. SIZE CONNECTION AS REQUIRED.
13. GALVANIZED FLANGE AND SPOOL PIECE
14. CLASS 53 D.I. FLANGED SPIGOT
15. 3/4" A.T.R.
16. 3/4" BENT EYE BOLT
17. MECHANICAL JOINT 90° ELL
18. CONCRETE THRUST BLOCK WITH 5 SQ. FEET BEARING AREA
19. UNDISTURBED EARTH
20. IN FROM SUPPLY
21. WIRING FOR ELECTRIC ALARM - BY ELECTRICIAN TO FIRE ALARM.
22. 1" GAP MINIMUM AT FLOOR SLEEVE.

NOTE:

PROVIDE SLEEVES WHERE PIPING PENETRATES BUILDING AT FLOOR AND WALLS. SEAL AROUND PENETRATION WITH FLEXIBLE MASTIC AT FLOOR. PROVIDE 2" ANNULAR SPACE AROUND AND RESTRAIN FLANGE SPIGOT.

GENERAL FIRE PROTECTION NOTES

1. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ELECTRICAL, SHEET METAL, PLUMBING, AND CEILING CONTRACTORS TO AVOID ANY CONFLICTS IN PIPE ROUTING OR HEAD LOCATIONS.
2. RUN SPRINKLING PIPING AS HIGH AS POSSIBLE IN JOIST SPACE ABOVE CEILING AND COORDINATE WITH DUCTWORK.
3. FIRE SPRINKLER PLANS SHALL BE APPROVED BY ALL GOVERNING AGENCIES PRIOR TO SUBMITTING PLANS TO THE ARCHITECT.
4. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE COMPLETE FIRE SPRINKLER SYSTEMS, INCLUDING ALL ITEMS AS REQUIRED OR RECOMMENDED BY ALL GOVERNING AGENCIES.
5. FIRE SPRINKLER SYSTEM SHALL COMPLY WITH N.F.P.A. 13, AND ALL GOVERNING AGENCIES.
6. PIPE SLEEVES THROUGH FIRE-RATED WALLS, PARTITIONS, AND CEILINGS SHALL BE OF FIRE RATED CONSTRUCTION. SPACE BETWEEN PIPE AND SLEEVE SHALL BE PACKED WITH FIREPROOF MATERIAL, U.L. LISTED. (FIRE SHIELDS, INC. MODEL DFB-CS)
7. FIRE SPRINKLER HEADS IN INDIVIDUAL ROOMS TO BE RUN IN STRAIGHT LINES AND COORDINATED WITH CEILING AND LIGHTS.
8. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS LOCATION OF PIPING VERY CAREFULLY WITH THE ARCHITECTURAL AND STRUCTURAL PLANS AND AS APPROVED BY THE ARCHITECT.
9. HEAD GUARDS TO BE PROVIDED IN ACCORDANCE WITH N.F.P.A.
10. FIRE SPRINKLER TEST VALVES TO BE LOCATED IN AREAS CONVENIENT TO MAINTENANCE PERSONNEL, BUT AWAY FROM PUBLIC ACCESS.
11. THE UTAH STATE FIRE MARSHALS OFFICE SHALL BE NOTIFIED (IN WRITING) AT LEAST THREE DAYS IN ADVANCE OF THE FOLLOWING:
    - A. HYDROSTATIC TEST AND FINAL INSPECTION OF OVERHEAD SYSTEMS PRIOR TO INSTALLATION OF CEILINGS.
    - B. FLUSHING OF UNDERGROUND PRIOR TO CONNECTION OF OVERHEAD.
    - C. HYDROSTATIC TEST AND FINAL INSPECTION OF UNDERGROUND PRIOR TO BACKFILLING.
12. CONTRACTOR SHALL FIELD VERIFY ALL PIPE LOCATIONS PRIOR TO FABRICATION OF PIPE SYSTEMS.
13. FIRE PROTECTION DRAWINGS ARE DIAGRAMMATIC ONLY.
14. FIRE PROTECTION CONTRACTOR SHALL COORDINATE ROUTING, HANGING AND BRACING WITH ROOF STRUCTURE. ALL FIRE SPRINKLER PIPING SHALL COMPLY WITH THE FOLLOWING.
    - A. ALL PIPING CONCENTRATED LOADS GREATER THAN 100 POUNDS SUPPORTED BY OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE LOCATED WITHIN 6 INCHES OF JOIST OR GIRDER PANEL POINTS OR THE JOIST OR GIRDER SHALL BE REINFORCED WITH AN ADDITIONAL WEB MEMBER. REFER TO GENERAL STRUCTURAL NOTES AND THE "TYPICAL DETAIL AT ADDITIONAL CONCENTRATED POINT LOAD" ON THE STRUCTURAL DRAWINGS.
    - B. CONCENTRATED POINT LOADS, SINGLE OR MULTIPLE, TOTALING 100 POUNDS OR LESS CAN BE LOCATED AT ANY POINT ALONG THE BOTTOM CHORD OF AN OPEN WEB JOIST OR GIRDER BETWEEN ADJACENT PANEL POINTS WITHOUT MEETING THE REQUIREMENTS ABOVE. A LIMIT OF (4) CONCENTRATED 100# MAXIMUM POINT LOADS PER JOIST OR GIRDER SHALL BE PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
    - C. JOIST BRIDGING SHALL NEVER BE USED TO SUPPORT HANGING LOADS.
    - D. BRACING OF FIRE SPRINKLER PIPING TO THE BOTTOM CHORD OF JOISTS OR GIRDERS WILL NOT BE ALLOWED IN ANY INSTANCE. ALL LATERAL BRACES MUST CONNECT CONNECT TO THE TOP FLANGE/TOP CHORD OF THE FRAMING MEMBER ABOVE UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
15. STEEL ROOF DECKING SHALL NOT BE USED TO SUPPORT LOADS FROM FIRE SPRINKLER ELEMENTS OR EQUIPMENT OF ANY KIND.
16. ALL FIRE SPRINKLER PIPING RUNNING IN OCCUPIED AREAS WITH EXPOSED STRUCTURE SHALL RUN WITH SLOPE OF ROOF DECK.
17. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE ANY CROSSOVERS OR DROPS AT MAIN CORRIDOR TO AVOID CONFLICTS WITH CLEARSTORY. DROPS & CROSSOVER LOCATIONS SHALL BE VERIFIED WITH PROJECT ARCHITECT PRIOR TO INSTALLATION.
18. ALL FIRE MAINS SHALL RUN ABOVE AREAS WITH CEILINGS. NO MAINS WILL BE ALLOWED IN OCCUPIED AREAS EXPOSED TO ROOF DECK.
19. IN EXPOSED AREAS THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE PIPING & HEAD LOCATIONS WITH HVAC ARCHITECTURAL REFLECTED CEILING PLANS, DUCTWORK, DIFFUSERS AND ALL LIGHTING LAYOUTS.
20. FIRE SPRINKLER HEADS IN ALL CORRIDORS SHALL BE INSTALLED DOWN THE CENTERLINE OF THE CORRIDOR.
21. ALL PIPE PENETRATIONS OF CONCRETE, CMU OR BRICK WALLS SHALL BE SLEEVED OR CORE CUT.
22. ALL PIPE PENETRATIONS OF SHEETROCK WALLS SHALL BE SAWCUT.
23. ALL PENETRATIONS AT 1 HOUR AND 2 HOUR WALLS SHALL BE FIRE CAULKED PER RATING REQUIRED. COORDINATE WITH LIFE SAFETY PLAN.
24. **ALL FIRE HEADS AT CORRIDORS SHALL BE LOCATED AT CENTER OF TILE.**
25. **ALL FIRE HEADS AT CLASSROOM AND ADMINISTRATION AREAS SHALL BE LOCATED AT CENTER OF TILE AND 1/4 POINTS.**
26. **CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF SYSTEMS AT ALL AREAS WHERE EXISTING CEILINGS REMAIN.**

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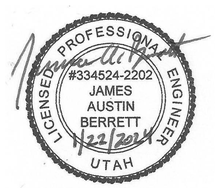

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JORDAN SCHOOL DISTRICT

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FIRE PROTECTION DETAILS

FP601 REV

SYMBOL LEGEND

NOTES:
1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
4. SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED.
5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
6. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR.
7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
8. DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT.
9. DEVICES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
10. SUBSCRIPT INDICATES NEMA CONFIGURATION.
11. SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.
12. COORDINATE WITH DOOR HARDWARE SUPPLIER.
13. FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED.
14. ARROWS SHOWN ON DEVICE INDICATE SENSOR AIMING DIRECTION.
15. CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE INDICATED IN TAG.
16. MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR, THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS.
17. INSTALL DEVICES PER MANUFACTURE'S INSTALLATION INSTRUCTIONS.
18. DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK.
19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION.
20. MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY.

*TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

SECURITY

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
###C	IP CAMERA - SEE SCHEDULE	AS NOTED	14. 15.
NVR	NETWORK VIDEO RECORDER		
DC	SECURITY SYSTEM DOOR CONTACT	DOOR JAMB	
DC2	SECURITY SYSTEM GARAGE DOOR CONTACT	+96" OR AS NOTED	17.
DB X	DURESS PUSHBUTTON: T = TRANSMITTER, R = RECEIVER, H = HARDWIRED	AS NOTED	17.
MD MD	INTRUSION MOTION DETECTOR: SOLID = WALL MOUNTED, DASHED = CEILING		17.
GB GB	GLASS BREAK DETECTOR: SOLID = WALL MOUNTED, DASHED = CEILING		17.
AS AS	ALARM SIREN		17.
PI	INTRUSION SYSTEM POP-IT		17.
KP	INTRUSION SYSTEM KEYPAD (ARM/DISARM)	+46"	2.
INT	INTERCOM STATION	+46"	2.
ML	MAGNETIC LOCK		
DH	DOOR HOLD OPEN	AS NOTED	17.
ES	ELECTRIC DOOR STRIKE	DOOR JAMB	12.
DP	DOOR POSITION INTRUSION SWITCH	DOOR JAMB	12.
EL	ELECTRIC DOOR LOCK	DOOR JAMB	12.
RX	ACCESS CONTROL SYSTEM, REQUEST TO EXIT		17.
EC	ELECTRIC CRASH BAR	DOOR HARDWARE	12.
CR	ACCESS CONTROL CARD READER	+46"	2.
BR	ACCESS CONTROL BIOMETRIC READER	+46"	2.
KS	KEY OVERRIDE SWITCH	+46"	2.
ICR	INTEGRATED CARD READER AND LOCK	+46"	2.
KCR	KEYPAD CARD READER COMBO	+46"	2.
X	MOMENTARY PUSH BUTTON, DR = DOOR RELEASE, LD = LOCKDOWN, PTE = PUSH TO EXIT	AS NOTED	9.
R	SECURITY RELAY		
SC SC	SURVEILLANCE CAMERA DATA, ONE CAT6 CABLE DASHED LINE = CEILING MOUNTED NO LINE = WALL MOUNTED	AS NOTED	

AUDIOVISUAL

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
HD	HDMI INPUT, WALL PLATE WITH HUBBELL HBL260 JUNCTION BOX, SINGLE GANG MUDRING	+18" OR AS NOTED	2. 9.
HV	HDMI AND VGA INPUT, WALL PLATE WITH HUBBELL HBL260 JUNCTION BOX, DOUBLE GANG MUDRING	+18" OR AS NOTED	2. 9.
TxH	HDBaseT, HDMI INPUT TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, SINGLE GANG MUDRING	+18" OR AS NOTED	2. 9.
TxD	HDBaseT, HDMI AND VGA TRANSMITTER, WALL PLATE WITH HUBBELL HBL260 J-BOX, DOUBLE GANG MUDRING	+18" OR AS NOTED	2. 9.
TxM	HDBaseT, HDMI, DISPLAY PORT AND/OR VGA TRANSMIT, SURFACE MOUNTED UNDER MILLWORK/FURNITURE	UNDER TABLE	9.
TxT	HDBaseT CATEGORY 6A SF/UTP, WALL PLATE WITH HUBBELL, HBL 260 J-BOX, SINGLE GANG MUDRING	+18" OR AS NOTED	2. 9.
F	5 PIN XLR DMX (FEMALE)	AS NOTED	
M	5 PIN XLR DMX (MALE)	AS NOTED	
P X	PIGTAIL OUTLET BOX, SUBSCRIPT FOR CIRCUIT NUMBER	AS NOTED	
C X	OUTLET BOX, SUBSCRIPT FOR CIRCUIT NUMBER	+16" OR AS NOTED	
RxH	HDBaseT, HDMI INPUT RECEIVER, WALL PLATE WITH HUBBELL HBL260 J-BOX, SINGLE GANG MUDRING	BEHIND DISPLAY	2.
	LOUDSPEAKER, CEILING RECESSED OR PENDANT	CEILING	
SB#	SOUND BAR, REFER TO SPECIFICATIONS FOR TYPE	UNDER DISPLAY	2. 19.
D##	COMMERCIAL GRADE DISPLAY, ## = SIZE (INCHES)	AS NOTED	20.
SC#	PROJECTION SCREEN. REFER TO SPECIFICATIONS / DRAWINGS FOR SCREEN TYPE AND SIZE	WALL OR CEILING	2.
P#	COMMERCIAL GRADE PROJECTOR	WALL OR CEILING	2.
G	GRID IRON JUNCTION BOX	AS NOTED	
	NETWORK TAP	+16" OR AS NOTED	
	ENERGY STATION	+4'-0"	

COLOR LEGEND

	LIGHTING FIXTURES		POWER DEVICES		AUDIOVISUAL
	LIGHTING DEVICES		TELECOMMUNICATIONS		SECURITY
	POWER EQUIPMENT		FIRE ALARM		NURSECALL
	CABLE TRAY		CONDUIT		

GENERAL

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	ONE CIRCUIT, HOME RUN TO PANEL		
	2 CIRCUIT, HOME RUN TO PANEL		
	3 CIRCUIT, HOME RUN TO PANEL		
	CONDUIT RUN CONCEALED IN WALL OR CEILING		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
	CONDUIT UP		
	CONDUIT DOWN		
	CONDUIT STUB LOCATION	CAP CONDUIT	
	CONDUIT / CIRCUIT CONTINUATION		
	EQUIPMENT PANEL, SEE DRAWINGS	+72"	6.
	CABLE TRAY	AS NOTED	
	GROUND BUS BAR	+18"	6.
X	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
X X	EQUIPMENT NUMBER		
X	ARCHITECTURAL ROOM NUMBER		
X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		
X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE / LEGEND		

MULTIPLE SYSTEM SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
R	RECEPTACLE SWITCH PACK	ABOVE CEILING	
	DUPLEX RECEPTACLE UPPER OUTLET SWITCH CONTROLLED	+18" OR AS NOTED	2. 9.
	SIMPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.
	DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.
A	DUPLEX RECEPTACLE		9.
G	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE		13.
WP	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.
	FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.
	GROUND FAULT INTERRUPTER FOURPLEX RECEPT	+18" OR AS NOTED	2. 9.
J F	JUNCTION BOX ('F' IN FLOOR)	AS NOTED	
	MOTOR OUTLET	TO SUIT EQUIP.	
	PUSHBUTTON	+46"	2.
	NON-FUSED DISCONNECT SWITCH	+60"	5. 6.
F	FUSED DISCONNECT SWITCH	+60"	5. 6.
B	BREAKER DISCONNECT SWITCH	+60"	5. 6.
S	SINGLE POLE SWITCH	+46"	2. 4.
S^T	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+46"	2.
	MAGNETIC STARTER	+60"	6. 7.
	MAGNETIC STARTER / DISCONNECT COMBINATION	+60"	6. 7.
VFD	VARIABLE FREQUENCY DRIVE	+66"	6.

LIGHTING

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	CEILING LIGHT FIXTURE	CEILING	1.
	WALL LIGHT FIXTURE	AS NOTED	1.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.
	RECESSED WALL-WASH DOWNLIGHT FIXTURE	CEILING	1.
	LIGHT FIXTURE	AS NOTED	1.
	EGRESS LIGHT FIXTURE	AS NOTED	1.
	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE	1. SEE DIAGRAM
	BOLLARD	CONCRETE BASE	1.
	STEP LIGHT FIXTURE	AS NOTED	1.
	IN-GRADE LIGHT FIXTURE	CONCRETE BASE	1.
	FLOOD OR TRACK FIXTURE	AS NOTED	1.
	CEILING / WALL MOUNTED EXIT LIGHT	CEILING/ AS NOTED	1. 3. 8.
	EMERGENCY LIGHT FIXTURE	AS NOTED	1.
	COMBO EXIT / EMERGENCY LIGHT FIXTURE	AS NOTED	1.
TC	TIME CLOCK	+60"	2.
PP	POWER PACK	ABOVE CEILING	SEE DIAGRAM, SPEC.
RC X	DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS)	ABOVE CEILING	SEE DIAGRAM, SPEC.
EP	EMERGENCY LIGHTING CONTROL UNIT	ABOVE CEILING	SEE DIAGRAM, SPEC.
S^3	THREE-WAY SWITCH	+46"	2. 4.
S^4	FOUR-WAY SWITCH	+46"	2. 4.
S^K	KEY OPERATED SWITCH	+46"	2. 4.
S^P	SWITCH WITH PILOT LIGHT	+46"	2. 4.
S^D	VARIABLE INTENSITY SWITCH	+46"	2. 4.
S^{TM}	TIMER SWITCH	+46"	2. 4.
S	MOMENTARY CONTACT SWITCH	+46"	2. 4.
S_X	LOW VOLTAGE WALLSTATION (SUBSCRIPT INDICATES CONFIGURATION & CONTROL SEQUENCE)	+46"	2. SEE DIAGRAM, SPEC.
	DUAL TECH. CEILING MOUNTED OCCUPANCY SENSOR (PROVIDE WITH ALL PP AND ROOM CONTROLLERS)	CEILING	SEE DIAGRAM, SPEC.
	DUAL TECH. WALL MOUNTED OCCUPANCY SENSOR (SUBSCRIPT D = DIMMING AND DAYLIGHT CONTROL)	+46"	2. 4. SEE DIAGRAM, SPEC.
P	PHOTO-ELECTRIC CONTROL (LOCATE ON ROOF, FACE NORTH)	AS NOTED	MOUNT AS PER MFR.
	DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM, SPEC.

POWER

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
IG	ISOLATED GROUND RECEPTACLE	+18" OR AS NOTED	2. 9.
T	TAMPER-PROOF RECEPTACLE	+18" OR AS NOTED	2. 9.
U	DUPLEX RECEPTACLE WITH USB OUTLET	+18" OR AS NOTED	2. 9.
	CONTROLLED DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.
	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.
	CONTROLLED FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.
	TVSS PROTECTED RECEPTACLE	+18" OR AS NOTED	2. 9.
	SPECIAL PURPOSE OUTLET	+18" OR AS NOTED	2. 10. W/ CAP.
	CORD DROP		SEE DIAGRAM
	CORD REEL		SEE DIAGRAM
	TOMBSTONE RECEPTACLE		
	POWER POLE		
EV EV	SINGLE / DUAL PORT ELECTRICAL VEHICLE CHARGER		
	PLUGMOLD	+46" OR AS NOTED	2. SEE SPEC.
DP	FLAT PANEL DISPLAY WALL BOX TVSS RECEPT., DATA AND OTHER DEVICES, REFER TO DIAGRAMS	AS NOTED	SEE DIAGRAM, SPEC. 26 2726
CP	CEILING PROJECTION SYSTEM CEILING BOX	ABOVE CEILING	SEE DIAGRAM, SPEC.
C	CLOCK OUTLET	+90"	2.
	DOORBELL CHIME	+90"	2.
FB	FLOOR BOX - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
PT	POKE THRU - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	PANEL BOARD	+72"	6.
	MAIN DISTRIBUTION PANEL		
	TELEPHONE DEMARCATION BOARD		
CLG	EQUIPMENT CEILING RACK	CEILING	
	EQUIPMENT 4-POST RACK / CABINET	AS NOTED	18. SEE SPEC.
	EQUIPMENT 2-POST RACK	AS NOTED	18. SEE SPEC.
M	UTILITY METER / CT CABINET	+72"	6.

TELECOMMUNICATIONS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
W	WALL PHONE	+60" OR AS NOTED	2.
	DATA OUTLET, ONE CABLE	+18" OR AS NOTED	2. 9. 11.
	DATA OUTLET, TWO CABLES	+18" OR AS NOTED	2. 9. 11.
	DATA OUTLET, THREE CABLES	+18" OR AS NOTED	2. 9. 11.
X	DATA OUTLET, "X" INDICATES QUANTITY	+18" OR AS NOTED	2. 9. 11.
	TELEVISION OUTLET	+18" OR AS NOTED	9. 11.
WAP WAP	WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL, DASHED = CEILING	WALL / CEILING	11.
SPL	SPLITTER	ABOVE CEILING	
VIA	VIA	ABOVE CEILING	
BDA	FIBER BDA	ABOVE CEILING	
ANT XX	ANTENNA PS = PUBLIC SAFETY COM = CELLULAR/COMMERCIAL	CEILING	

FIRE ALARM

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	BELL	+94"	2.
C	CHIME / STROBE	+94" / CEILING	2.
F	FIRE ALARM MANUAL STATION	+46"	2.
H	FIRE ALARM SIGNAL HORN / STROBE	+94" / CEILING	2.
H CLG	CONCEALED FIRE ALARM HORN / STROBE	CEILING	
H	CONCEALED FIRE ALARM HORN / STROBE WALL	+94"	2.
E	FIRE ALARM SPEAKER / STROBE	+94" / CEILING	2.
E CLG	CONCEALED FIRE ALARM SPEAKER / STROBE	CEILING	
E	CONCEALED FIRE ALARM SPEAKER / STROBE WALL	+94"	2.
S	FIRE ALARM STROBE	+94" / CEILING	2.
S CLG	CONCEALED FIRE ALARM STROBE	CEILING	
S	CONCEALED FIRE ALARM STROBE WALL	+94"	2.
K	FIRE ALARM SPEAKER ONLY	+94" / CEILING	2.
B	FIRE ALARM STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)	+94" / CEILING	2.
ANN	FIRE ALARM ANNUNCIATOR PANEL	+58"	2. SEE DIAGRAM
V	ASPIRATING SMOKE DETECTION SYSTEM	CEILING	MOUNT AS PER MFR.
B	BEAM DETECTOR		MOUNT AS PER MFR.
S	SMOKE DETECTOR	CEILING	
SC	SMOKE/CARBON MONOXIDE DETECTOR	CEILING	
C	CARBON MONOXIDE DETECTOR	CEILING	
H	HEAT DETECTOR	CEILING	
D	DUCT SMOKE DETECTOR		MTD. IN DUCT
D	FIRE/SMOKE DAMPER		
	DOOR HOLDER	AS NOTED	
FS	FLOW SWITCH		
TS	TAMPER SWITCH		
WF	WATER FLOOD INDICATOR		
	O.S. & Y. VALVE		SEE DIAGRAM
R	FIRE ALARM RELAY OR SECURITY RELAY		
CM	FIRE ALARM CONTROL MODULE		
MM	FIRE ALARM MONITOR MODULE		
TWZ	TWO-WAY COMMUNICATION SYSTEM CONTROL PANEL	+46"	2.
TW	TWO-WAY COMMUNICATION SYSTEM CALL STATION	+46"	2.

DEMOLITION NOTES

1. COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND MAKE CONNECTION TO EXISTING SYSTEMS. THIS INCLUDES LIGHTING, POWER, SIGNAL RACEWAY AND OTHER SYSTEMS INCLUDED UNDER DIVISION 26 (16).
2. RELOCATE, REWIRE AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
3. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC.
4. LEAVE ALL EXISTING EQUIPMENT, IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC. TO WORKING CONDITION.
5. EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY BEFORE REUSE.
6. REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
7. REMOVE EXISTING LIGHT FIXTURES WHICH ARE NOT TO BE REUSED, PLACE IN CARTON, LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP.
8. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
9. DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.

GENERAL NOTES

1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
3. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. REVIEW ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN.
4. SEE SECTION 265100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
5. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
6. SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
7. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
8. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
9. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
11. CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNER AND FURNITURE PROVIDER PRIOR TO ROUGH-IN.
12. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH CONDUCTORS PER TABLE BELOW.

20 AMP MINIMUM BRANCH CIRCUIT CONDUCTOR SIZING

MAXIMUM LENGTH	BRANCH CIRCUIT VOLTAGE	
CONDUCTOR LENGTH (FT)	120 VOLT	277 VOLT
<70	MIN. #12 AWG	MIN. #12 AWG
70 - 115	MIN. #10 AWG	MIN. #12 AWG
115 - 170	MIN. #8 AWG	MIN. #10 AWG
170 - 270	MIN. #6 AWG	MIN. #8 AWG
271 - 380	NOTE B	MIN. #8 AWG
>380	NOTE B	NOTE B

A. THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.

B. PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.

C. CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY,CONTRACTOR SHALL INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER.

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MH	MANHOLE
AC	ALTERNATING CURRENT	MIC	MICROPHONE
A.F.F.	ABOVE FINISH FLOOR	MIN	MINIMUM
AIC	AMPS INTERRUPTING CAPACITY	MTG	MOUNTING
AM	AMPS METER	MTR	MOTOR
AMP	AMPERE	N/A	NOT APPLICABLE
ANN	ANNUNCIATOR	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOC.
BC	BARE COPPER	N.I.C.	NOT IN CONTRACT
BFG	BELOW FINISH GRADE	NO	NORMALLY OPENED
C	CONDUIT	NTS	NOT TO SCALE
CAB	CABINET	OS & Y	OUTSIDE SCREW & YOKE
CATB	COMMUNITY ANTENNA TELEVISION	PB	PUSHBUTTON
CATV	CABLE TELEVISION	PF	POWER FACTOR
CKT	CIRCUIT	PFR	PHASE FAILURE RELAY
CLG	CEILING	PNL	PANEL
CNTR	CONTRACTOR	PT	POTENTIAL TRANSFORMER
C.O.	CONDUIT ONLY	PVC	POLYVINYL CHLORIDE CONDUIT
CRT	COMPUTER TERMINAL	(R)	RELOCATE
CT	CURRENT TRANSFORMER	RECEP	RECEPTACLE
CU	COPPER	REQ	REQUIREMENT
C/W	COMPLETE WITH	RLA	RATED LOAD AMPS
DB	DECIBEL	RMP	ROCKY MOUNTAIN POWER
DC	DIRECT CURRENT	RMS	ROOT MEAN SQUARE
DWG	DRAWING	SE	SERVICE ENTRANCE
(E)	EXISTING	SPEC	SPECIFICATIONS
EC	EMPTY CONDUIT	SPKR	SPEAKER
EG	EMERGENCY GENERATOR	SS	SELECTOR SWITCH
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
EX	EXPLOSION PROOF	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWGR	SWITCHGEAR
FC	FOOT CANDLE	TTB	TELEPHONE TERMINAL BOARD
FT	FOOT	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
HP	HORSE POWER	UPS	UNINTERRUPTED POWER SUPPLY
HZ	HERTZ	V	VOLT (KV-KILOVOLT)
IFC	INTERNATIONAL FIRE CODE	VA/R	VOLT-AMPS/REACTIVE
IG	ISOLATED GROUND	VM	VOLT METER
IMC	INTERMEDIATE METALLIC CONDUIT	W	WATTS
IN	INCH	W/	WITH
J-BOX	JUNCTION BOX	WH	WATTHOUR METER
KV	KILOVOLT	W/O	WITHOUT
KVA	KILOVOLT AMPERES	WP	WEATHERPROOF
KVAR	KILOVARS	XFMR	TRANSFORMER
KW	KILOWATT	XFMR SW	TRANSFER SWITCH
LRA	LOCKED ROTOR AMPS	XP	EXPLOSION PROOF
LTG	LIGHTING	1P	SINGLE-PHASE
MNF	MANUFACTURER	2P	TWO-POLE
MAX	MAXIMUM	3P	THREE-POLE
MB	MAIN BUS	4P	FOUR-POLE
MCC	MOTOR CONTROL CENTER	Ø	PHASE
MCM	1000 CIRCULAR MILLS		

SHEET INDEX

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STATE OF UTAH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

ELECTRICAL SYMBOLS AND NOTES

E001 REV

EQUIPMENT SCHEDULE

CONNECTION TYPE NOTES:

1. NON-FUSED DISCONNECT SWITCH
2. FUSED DISCONNECT SWITCH
3. BREAKER IN ENCLOSURE
4. MANUAL STARTER WITH THERMAL OVERLOAD
5. MAGNETIC STARTER
6. MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION
7. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION
8. MAGNETIC STARTER/BREAKER COMBINATION
9. VARIABLE FREQUENCY DRIVE
10. REDUCED VOLTAGE STARTER
11. DIRECT CONNECTION
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. TWO-SPEED STARTER. COORDINATE WITH MOTOR TYPE
14. SOLID STATE SOFT-STARTER

RESPONSIBILITY LEGEND:

A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26(16)
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. REQUIRED CONNECTION UNDER DIVISION 26(16)
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26(16)
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION

CB = CIRCUIT BREAKER

NOTE 1: PER 250.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN THE PHASE CONDUCTOR
NOTE 2: OVERCURRENT PROTECTION DEVICE (OCPD) SHOWN IS LOCATED AT POWER PANEL, ALL FUSING TO BE SIZED IN ACCORDANCE WITH FUSE MFR RECOMMENDATION FOR MOTOR NAME PLATE RATING.
NOTE 3: ALL EQUIPMENT TO BE RATED FOR THE ENVIRONMENT FOR WHICH IT IS INSTALLED.

UNIT	#	DESCRIPTION	ELECTRICAL EQUIPMENT INFORMATION							CONDUIT SIZE	WIRE				OCPD		STARTER/ DISC/ VFD OTHER (SEE NOTES)	REMARKS
			LOAD				VOLTAGE	PHASE	FULL LOAD AMPS		SETS	QTY	SIZE	EQ. GROUND	TYPE	AMPS		
			HP	FLA	MCA	VA												
AC	1	INDOOR AC UNIT	0.00	1 A	0 A	0 VA	208 V	1	1.0 A	3/4"	1	2	12	12	CB	15 A	2 A	
AC	1	OUTDOOR AC UNIT	0.00	10 A	0 A	0 VA	208 V	1	10.0 A	3/4"	1	2	12	12	CB	15 A	2 A	
EF	1	EXHAUST FAN	0.00	0 A	0 A	100 VA	120 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	4 A	
ERP	1	ELEC. HTR.	0.00	3.7A	0 A	0 VA	120 V	1	3.7 A	3/4"	1	2	12	12	CB	15 A	11 A	
MAU	1	MAKE-UP AIR UNIT	3.00	0 A	0 A	0 VA	208 V	3	10.6 A	3/4"	1	3	12	12	CB	7 A	0 A	

PANELBOARD SCHEDULE

PANEL: A1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

LOCATION: STORAGE 21
FED FROM:
MOUNTING: SURFACE
BUSSING:

MAINS/BUS AMPS:
MAIN DISC. TYPE:
MAIN DISC. TRIP:

LUGS:
___ DOOR-IN-DOOR
___ 200% NEUTRAL
___ ISO GROUND
___ SPD

BRANCH BREAKERS

ITEM	AMPS	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	AMPS	ITEM
EXIST.	20 A	1	--	1	0 VA			0 VA			2	--	1	20 A	EXIST.
EXIST.	20 A	1	--	3		0 VA			0 VA		4	--	1	20 A	EXIST.
EXIST.	20 A	1	--	5			0 VA			0 VA	6	--	1	20 A	EXIST.
EXIST.	20 A	1	--	7	0 VA			0 VA			8	--	1	20 A	EXIST.
EXIST.	20 A	1	--	9		0 VA			0 VA		10	--	1	20 A	EXIST.
EXIST.	20 A	1	--	11			0 VA			0 VA	12	--	1	20 A	EXIST.
EXIST.	20 A	1	--	13	0 VA			0 VA			14	--	1	20 A	EXIST.
EXIST.	20 A	1	--	15		0 VA			0 VA		16	--	1	20 A	EXIST.
EXIST.	20 A	1	--	17			0 VA			0 VA	18	--	1	20 A	EXIST.
EXIST.	20 A	1	--	19	0 VA			0 VA			20	--	1	20 A	EXIST.
EXIST.	20 A	1	--	21		0 VA			0 VA		22	--	1	20 A	EXIST.
EXIST.	20 A	1	--	23			0 VA			0 VA	24	--	1	20 A	EXIST.
EXIST.	20 A	1	--	25	0 VA			0 VA			26	--	1	20 A	EXIST.
EXIST.	20 A	1	--	27		0 VA			0 VA		28	--	1	20 A	EXIST.
RECEPT	20 A	1	#12	29			1080 VA			1080 VA	30		1	20 A	RECEPT HEALTH ROOM 155
Other OPEN OFFICE 151	20 A	1		31	360 VA			180 VA			32		1	20 A	RECEPT COPY/WORK ROOM 153
HVAC SECURE VESTIBULE 150	20 A	1		33		444 VA			1500 VA		34		1	20 A	* REFRIGERATOR HEALTH ROO...
RECEPT OPEN OFFICE 151	20 A	1		35			360 VA			1500 VA	36		1	20 A	* MICROWAVE HEALTH ROOM 155
RECEPT OPEN OFFICE 151	20 A	1		37	900 VA			640 VA			38		1	20 A	Room 151, 156
RECEPT OPEN OFFICE 151	20 A	1		39		1080 VA			1144 VA		40	#12	2	20 A	HVAC
RECEPT COPY/WORK ROOM...	20 A	1		41			180 VA			1144 VA	42	--	--	--	--
					2080	4168	5344	TOTAL (VA)							CONNECTED LOAD TOTAL
					17 A	37 A	47 A	AMPS/PHASE							11592 VA

AIC RATING: ___ **AMPS RMS SYSM.**

NOTES: VERIFY ALL REQUIREMENTS FOR PANEL COMPATIBILITY WITH NEW BREAKERS

LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE — PROJECT MANAGER: XX

A.F.F.	ABOVE FINISH FLOOR	SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING	CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT	SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT

LIGHT FIXTURE GENERAL NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
5. REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.
6. REFER TO LIGHTING PLANS FOR ALL LINDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.
7. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.
8. PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE...
9. REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551).
10. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.

TYPE	DESCRIPTION	MFR.	CATALOG #	VOLTS	TOTAL WATTS	LAMP TYPE	DELIVERED LUMENS	COLOR TEMP	CRI
A55	2'X4' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 203,000 HOUR (L70); 0-10 DIMMING; 5 YR. WARRANTY	METALUX	24CZ2-55HE-UNV-L840-CD1-U	120 V	44 VA	LED	5,500	4000 K	80
A75	2'X4' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 203,000 HOUR (L70); 0-10 DIMMING; 5 YR. WARRANTY	METALUX	24CZ2-75HE-UNV-L840-CD1-U	120 V	60 VA	LED	7,500	4000 K	80
A100	2'X4' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 203,000 HOUR (L70); 0-10 DIMMING; 5 YR. WARRANTY	METALUX	24CZ2-100VHE-UNV-L840-CD1-U	120 V	100 VA	LED	10,000	4000 K	80
A180	2'X4' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 203,000 HOUR (L70); 0-10 DIMMING; 5 YR. WARRANTY	METALUX	24CZ2-170VHE-UNV-L840-CD1-U	120 V	140 VA	LED	18,000	4000 K	80
B34	2'X2' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 203,000 HOUR (L70); 0-10 DIMMING; 5 YR. WARRANTY	METALUX	22CZ2-34HE-UNV-L840-CD1-U	120 V	25 VA	LED	3,400	4000 K	80
B39	2'X2' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 203,000 HOUR (L70); 0-10 DIMMING; 5 YR. WARRANTY	METALUX	22CZ2-39HE-UNV-L840-CD1-U	120 V	31 VA	LED	3,900	4000 K	80
C3FP	1'X4' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; FLANGE/DRYWALL KIT; 210,000 HOUR (L70); 0-10 DIMMING; 5 YR. WARRANTY; INTEGRAL PHOTOCELL/DAYLIGHT SENSOR	METALUX	14CZ2-39HE-UNV-GL-L840-CD-1-SVPD1-DF-14W-U	120 V	36 VA	LED	4,000	4000 K	80
CV1	LOW PROFILE COVE LED FIXTURE, EXTRUDED ALUMINUM HOUSING WITH STAINLESS STEEL HARDWARE; UV STABILIZED POLYCARBONATE LENS; 72,000 HOUR (L70); MAINTAIN MANUFACTURER CLEARANCES, LOCATE MINIMUM 2" FROM COVE WALL; 5 YR WARRANTY; 0-10V DIMMING; PROVIDE ALL ADDITIONAL JUMPER CABLES, DRIVERS, MOUNTING PLATES, ETC REQUIRED	COOPER	LM-05L-940-120-ID-UNV-S-SM-STD-SEE PLANS-XX	120 V	5 VA	LED	5	4000 K	80
D4A	4" LED RECESSED ROUND DOWNLIGHT IN INACCESSIBLE CEILING; FRAME + TRIM KIT; SELF-FLANGED; 55,000 HOUR (L50); 5 YR WARRANTY; 0-10 DIMMING; SCBA; MEDIUM DISTRIBUTION	PRESCOLITE	LTR-4RD-H-SL10L-DM1-UNV/LTR-4RD-T-SL40K8MD-SCBA-SCBA -SCBA	120 V	12 VA	LED	1,000	4000 K	80
D4B	4" LED RECESSED ROUND DOWNLIGHT IN INACCESSIBLE CEILING; FRAME + TRIM KIT; SELF-FLANGED; 55,000 HOUR (L50); 5 YR WARRANTY; 0-10 DIMMING; SCBA; WIDE DISTRIBUTION	PRESCOLITE	LTR-4RD-H-SL15L-DM1-UNV/LTR-4RD-T-SL40K8MD-SCBA-SCBA -SCBA	120 V	15 VA	LED	1,500	4000 K	80
D8	8" LED RECESSED ROUND DOWNLIGHT, REMODEL KIT IN EXISTING GYP CEILING; FRAME + TRIM KIT; SELF-FLANGED; 55,000 HOUR (L90); 5 YR WARRANTY; 0-10 DIMMING; SCBA; WIDE DISTRIBUTION	PRESCOLITE	LTR-8RD-H-SL80L-DM1-UNV/LTR-4RD-T-SL40K8MD-SCBA-SCBA -SCBA	120 V	8 VA	LED	900	4000 K	80
DC	RECESSED MOUNTED DISPLAY CABINET LINEAR LED LUMINAIRE; ASYMMETRIC PROFILE; DIFFUSED LENS; REMOTE DRIVER; 50,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNT NEAR DISPLAY CABINET OPENING; FIELD MEASURE CABINET LENGTH BEFORE ORDERING; CONTRACTOR TO PROVIDE ALL POWER SUPPLIES, CONNECTORS, FEEDS, MOUNTING HARDWARE, DIMMING SWITCHES, ETC. REQUIRED FOR A COMPLETE AND WORKING SYSTEM	Q-TRAN	IQA-LATO-SCBA-DF-100'-#FT(SEE PLANS)+IQ20-35-#FT-95-5.0+DRIVER/PS	120 V	30 VA	427lm/ft LED, 3500K CCT, 90+ CRI	5,000	4000 K	95
LWA1	2' WALL MOUNTED LINEAR ASYMMETRICAL DIRECT, ASYMMETRICAL INDIRECT LED; 5" WALL MOUNT STAND-OFF; EXTRUDED ALUMINUM HOUSING; CONTINUOUS LENS; BUILT TO SIZE (SEE PLANS); ASYMMETRIC OPTIC DIRECTED INTO THE ROOM; 50,000 HOUR DRIVER; 146,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; CCBA	PINNACLE	EX2DI-WHE-WHE-840HO-840300-SEE PLANS-WA-U-FSD-1-CCBA	120 V	55 VA	11 W/FT, 750LM/FT DIRECT, 300 LM/FT INDIRECT LED, 4000K CCT, 80+ CRI	750	4000 K	80
LWA2	2' WALL MOUNTED LINEAR ASYMMETRICAL DIRECT, ASYMMETRICAL INDIRECT LED; 5" WALL MOUNT STAND-OFF; EXTRUDED ALUMINUM HOUSING; CONTINUOUS LENS; BUILT TO SIZE (SEE PLANS); ASYMMETRIC OPTIC DIRECTED INTO THE ROOM; 50,000 HOUR DRIVER; 146,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; CCBA	PINNACLE	EX2DI-WHE-WHE-840-840300-SEE PLANS-WA-U-FSD-1-CCBA	120 V	50 VA	11 W/FT, 500LM/FT DIRECT, 300 LM/FT INDIRECT LED, 4000K CCT, 80+ CRI	500	4000 K	80
OD8R	EXTERIOR 8" LED RECESSED ROUND DOWNLIGHT; REMODEL KIT; REPLACE EXISTING 8" DOWNLIGHT CAN; IP65+ FRAME + TRIM KIT; SELF-FLANGED; 60,000 HOUR (L70); IMPACT-MODIFIED ACRYLIC LENS; 5 YR WARRANTY; 0-10 DIMMING; SCBA; EV08-40/15-DFR-120-GZ10-REMODEL	GOTHAM	EV08-40/15-DFR-120-GZ10-REMODEL	120 V	27 VA	LED	1,500	4000 K	80
PL1	2' WIDE DIRECT/INDIRECT LINEAR PENDANT LED LUMINAIRE; HIGH EFFICIENCY LENS WITH BATWING INSERTS; 75% DOWN/25% UP; DUST COVER; BUILT TO LENGTH; VERIFY FIELD CONDITIONS; 60,000 HOUR (L80); 5 YR. WARRANTY; 0-10 DIMMING; SUSPENSION HEIGHT PER ARCHITECT; CCBA	PINNACLE	EX2DI-BW-BW-40HO-40-#FT(SEE PLANS)-XX-U-FSD-1-CCBA	120 V	11 VA	11 W/FT, 750LM/FT DIRECT, 300 LM/FT INDIRECT LED, 4000K CCT, 80+ CRI	750	4000 K	80
PL2	2' WIDE DIRECT/INDIRECT LINEAR PENDANT LED LUMINAIRE; HIGH EFFICIENCY LENS WITH BATWING INSERTS; 75% DOWN/25% UP; DUST COVER; BUILT TO LENGTH; VERIFY FIELD CONDITIONS; 60,000 HOUR (L80); 5 YR. WARRANTY; 0-10 DIMMING; SUSPENSION HEIGHT PER ARCHITECT; CCBA	PINNACLE	EX2DI-BW-BW-40-40-#FT(SEE PLANS)-XX-U-FSD-1-CCBA	120 V	64 VA	11 W/FT, 500LM/FT DIRECT, 300 LM/FT INDIRECT LED, 4000K CCT, 80+ CRI	500	4000 K	80
SD7	7" ROUND SURFACE MOUNTED LED LUMINAIRE; LOW PROFILE; MOUNTS IN STANDARD 4" DEEP OCTAGONAL JUNCTION BOX; PROVIDE JUNCTION BOX/HOUSING AS REQUIRED; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING	LIGHTOLIER	S7R-8-40K-10-SCBA-Z10U	120 V	14 VA	LED	1,000	4000 K	80
SL1	1.5" WIDE DIRECT/INDIRECT LINEAR WALL MOUNTED LED LUMINAIRE; SATINE LENS DOWN & ASYMMETRIC UP; DUST COVER; BUILT TO LENGTH; VERIFY FIELD CONDITIONS; MOUNT TO COVER EXISTING FIXTURE JUNCTION BOX AND PROVIDE ALL PAINT/PATCHING AS NEEDED; 60,000 HOUR (L80); 5 YR. WARRANTY; 0-10 DIMMING; MOUNTED IN SKYLIGHT	PINNACLE	EX1B-A-WHE-40-40-#FT(SEE PLANS)-WA-1D-SCBA	120 V	28 VA	343lm/ft DN & 383lm/ft UP LED, 4000K CCT, 80+ CRI	343	4000 K	80
SL4	4' LED SURFACE MOUNTED LINEAR STRIPLIGHT; RUGGED ENCLOSED FULLY FROSTED ACRYLIC LENS; 303,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING	METALUX	4SNLED-LD4-54SL-LW-UNV-L840-CD1-U	120 V	30 VA	LED	5,000	4000 K	80
SL4C	4' LED CHAIN MOUNTED LINEAR STRIPLIGHT; RUGGED ENCLOSED FULLY FROSTED ACRYLIC LENS; 303,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING	METALUX	4SNLED-LD4-54SL-LW-UNV-L840-CD1-U-AYC-CHAIN/SET	120 V	30 VA	LED	5,000	4000 K	80
SM4L	12"x48" HIGH ABUSE LED SURFACE MOUNTED FIXTURE; MARINE GRADE ALUMINUM; HIGH IMPACT PEARLESCENT POLYCARBONATE LENS; 175,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; VANDAL RESISTANT TORX FASTENERS	KENALL	MLHA12-B-R-SCBA-PP-45L40K-DCC-1-DV-9500	120 V	49 VA	LED	<varies>	<varies>	80
SM4M	12"x48" HIGH ABUSE LED SURFACE MOUNTED FIXTURE; MARINE GRADE ALUMINUM; HIGH IMPACT PEARLESCENT POLYCARBONATE LENS; 175,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; VANDAL RESISTANT TORX FASTENERS	KENALL	MLHA12-B-R-SCBA-PP-45L40K-DCC-1-DV-9500	120 V	67 VA	LED	6,700	4000 K	80
SM8M	12'x8' HIGH ABUSE LED SURFACE MOUNTED FIXTURE; MARINE GRADE ALUMINUM; HIGH IMPACT PEARLESCENT POLYCARBONATE LENS; 175,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; VANDAL RESISTANT TORX FASTENERS	KENALL	MLHA12S-8ME144-R-SCBA-PP-45L40K-DCC-1-DV-9500	120 V	134 VA	LED	16,000	4000 K	80
SML8	6.0"x49.5" HIGH ABUSE LED WALL MOUNTED FIXTURE; MARINE GRADE ALUMINUM; HIGH IMPACT FROSTED POLYCARBONATE LENS; WET LISTED; 150,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING	NEWSTAR	MLHA12S-8ME120-R-SCBA-PP-45L40K-DCC-1-DV-9500	120 V	110 VA	LED	12,000	4000 K	80
TL1	LED TRACK LUMINAIRE; FLOOD BEAM SPREAD; PROVIDE ALL FACTORY COLOR FILTERS(AMBER, RED, BLUE, GREEN, PINK, YELLOW) AND DIFFUSION FILTERS, ACCESSORIES AND HOLDERS; 50,000 HOUR (L70); 10 YR WARRANTY; PROVIDE COMPATIBLE TRAILING EDGE ELV DIMMING SWITCHES; WHITE FIXTURES AND TRACK	CONTECH	NCTL-8063-V-F-4-D-SCBA/FA43-SCBA/LF16(COLORS)	120 V	16 VA	LED	1,800	4000 K	80
TL2	LED TRACK LUMINARIE; WALL WASH; PROVIDE ALL FACTORY COLOR FILTERS(AMBER, RED, BLUE, GREEN, PINK, YELLOW) AND DIFFUSION FILTERS, ACCESSORIES AND HOLDERS; 50,000 HOUR (L70); 10 YR WARRANTY; PROVIDE COMPATIBLE TRAILING EDGE ELV DIMMING SWITCHES; WHITE FIXTURES AND TRACK	HALO	L815MED20WWSXX-SCBA	120 V	16 VA	LED	1,800	4000 K	80
TR1	PROFESSIONAL SERIES TWO CIRCUIT/TWO NEUTRAL 120V TRACK SYSTEM; SURFACE; PROVIDE ALL POWER SUPPLIES, CONNECTORS, FEEDS, MOUNTING HARDWARE, DIMMING, WHITE FIXTURES AND TRACK SWITCHES, ETC REQUIRED FOR A COMPLETE AND WORKING SYSTEM	CONTECH	NTEK412-SCBA	120 V	0 VA	LED	0	4000 K	
TR2	PROFESSIONAL SERIES TWO CIRCUIT/TWO NEUTRAL 120V TRACK SYSTEM; SURFACE; PROVIDE ALL POWER SUPPLIES, CONNECTORS, FEEDS, MOUNTING HARDWARE, DIMMING, WHITE FIXTURES AND TRACK SWITCHES, ETC REQUIRED FOR A COMPLETE AND WORKING SYSTEM	HALO	L65X-SCBA	120 V	0 VA	LED			
UC1	UNDERCABINET MOUNTED LINEAR LED LUMINAIRE; DIFFUSED LENS; REMOTE DRIVER; 50,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; COORDINATE MOUNTING WITH MILLWORK; FIELD MEASURE CABINET LENGTH BEFORE ORDERING; CONTRACTOR TO PROVIDE ALL POWER SUPPLIES, CONNECTORS, FEEDS, MOUNTING HARDWARE, DIMMING SWITCHES, ETC. REQUIRED FOR A COMPLETE AND WORKING SYSTEM	Q-TRAN	SW24/1.5-DRY-XX-BW-BW-WH-CL2-XX' + THIN-SCBA-SST-DF-NI-XX'-QZ-PH	120 V	10 VA	LED	5,000	4000 K	95
WL1	2 ½" SQUARE CORNER WALL MOUNTED LINEAR LED LUMINAIRE; LUMINOUS RIGHT ANGLE LENS; HIGH EFFICIENCY LAMBERTIAN OPTIC LENS; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH, VERIFY FIELD CONDITIONS; 60,000 HOUR (L80); 5 YR. WARRANTY; 0-10 DIMMING	LUMENWERX	CUBS-HLO-LED-80-700-40-UNV-MIKDR-1-DRC-SCBA	120 V	8 VA	700lm/ft LED, 8w/ft, 4000K CCT, 80+ CRI	700	4000 K	80
WS1	HIGH ABUSE LED WALL MOUNTED FIXTURE; MARINE GRADE ALUMINUM; HIGH IMPACT PEARLESCENT	KENALL	FNL6S-848-1M48-E48-SCBA-PP-1-45L40K-DCC-120	277 V	45 VA	4400lm LED			80
XA	UNIVERSAL EDGE-LIT EXIT SIGN; BRUSHED ALUMINUM HOUSING AND BLACK PLASTIC END-CAPS, WITH HIGH GRADE ACRYLIC PANEL; UNIVERSAL FACE, SINGLE, DOUBLE; UNIVERSAL MOUNTING, SURFACE, RECESSED, OR END-MOUNT; FIELD VERIFY FACE COUNTS AND MOUNTING METHODS; AC ONLY	EMERGI-LITE	LX-SEE PLANS-N-G-M-UA-C	120 V	3 VA	LED	<varies>	<varies>	
XB	THIN DIE-CAST ALUMINUM SLIM PROFILE LED EXIT SIGN, MATTE BLACK WITH BRUSHED ALUM. FACES; AC ONLY; UNIVERSAL MOUNTING - WALL, SIDE, OR CEILING; SEE PLANS FOR ARROWS AND MOUNTING; PROVIDE WIRE GUARD AS INDICATED = "WG"	EMERGI-LITE	DX-SEE PLANS-G	120 V	3 VA	LED			

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PROFESSIONAL ENGINEER — BRIAN HICKS — No. 7739907-2202 — 1/19/2024 — STATE OF UTAH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

SCHEDULES AND NOTES

E002 REV

DEMOLITION NOTES

1. COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND MAKE CONNECTION TO EXISTING SYSTEMS. THIS INCLUDES LIGHTING, POWER, SIGNAL, RACEWAY AND OTHER SYSTEMS INCLUDED UNDER DIVISION 26 (16).
2. RELOCATE, REWIRE AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
3. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC.
4. LEAVE ALL EXISTING EQUIPMENT, IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC. TO WORKING CONDITION.
5. EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY BEFORE REUSE.
6. REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
7. REMOVE EXISTING LIGHT FIXTURES WHICH ARE NOT TO BE REUSED, PLACE IN CARTON, LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP.
8. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
9. DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.

SHEET KEYNOTES

D1 DISCONNECT EXISTING MAKE-UP AIR UNIT. VERIFY EXISTING CIRCUIT BREAKER SUPPLYING POWER TO THE 25A 3PHASE UNIT.MARK IT IN THE PANEL FOR OWNER REFERENCE. INCLUDE ALL MATERIAL AND LABOR FOR THIS ITEM IN ADD ALTERNATE #2.

D4 REMOVE ALL LOUDSPEAKERS AND STORE FOR RE-INSTALLATION.

D5 REMOVE AND STORE FOR RE-INSTALLATION.

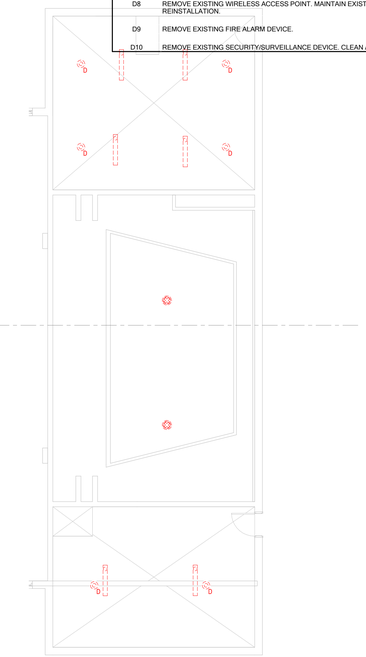
D6 REMOVE AND RETURN TO OWNER.

D7 REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED CONDUIT AND WIRE TO THE FIRST JUNCTION BOX ABOVE THE CEILING.

D8 REMOVE EXISTING WIRELESS ACCESS POINT. MAINTAIN EXISTING DATA CABLING. CLEAN AND PROTECT FOR REINSTALLATION.

D9 REMOVE EXISTING FIRE ALARM DEVICE.

D10 REMOVE EXISTING SECURITY/SURVEILLANCE DEVICE. CLEAN AND PROTECT FOR REINSTALLATION.



MEZZANINE - DEMOLITION FLOOR PLAN
SCALE = 1/8" = 1'-0"

LEVEL 1 - DEMOLITION FLOOR PLAN - AREA A
SCALE = 1/8" = 1'-0"

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PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7799972-5301
1/19/2024
STATE OF UTAH

CONSTRUCTION DOCUMENTS

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JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
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OWNER PROJECT NO.:	-
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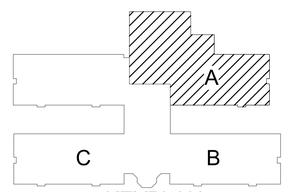
ISSUED DATE:	01/22/2024

LEVEL 1 - DEMOLITION FLOOR PLAN - AREA A



KEYPLAN

ED101A REV

DEMO RCP PLAN - MEZZANINE

SCALE = 1/8" = 1'-0"

LEVEL 1 - DEMOLITION FLOOR PLAN - AREA B

SCALE = 1/8" = 1'-0"

DEMOLITION NOTES

1. COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND MAKE CONNECTION TO EXISTING SYSTEMS. THIS INCLUDES LIGHTING, POWER, SIGNAL, RACEWAY AND OTHER SYSTEMS INCLUDED UNDER DIVISION 26 (16).
2. RELOCATE, REWIRE AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
3. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC.
4. LEAVE ALL EXISTING EQUIPMENT, IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC. TO WORKING CONDITION.
5. EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY BEFORE REUSE.
6. REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
7. REMOVE EXISTING LIGHT FIXTURES WHICH ARE NOT TO BE REUSED, PLACE IN CARTON, LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP.
8. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
9. DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.

SHEET KEYNOTES

D2	REMOVE EXISTING DOWN LIGHTS, CLEAN AND REINSTALL PER DIRECTION ON LIGHTING PLAN.
D4	REMOVE ALL LOUDSPEAKERS AND STORE FOR RE-INSTALLATION.
D5	REMOVE AND STORE FOR RE-INSTALLATION.
D6	REMOVE AND RETURN TO OWNER.
D7	REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED CONDUIT AND WIRE TO THE FIRST JUNCTION BOX ABOVE THE CEILING.
D8	REMOVE EXISTING WIRELESS ACCESS POINT. MAINTAIN EXISTING DATA CABLING. CLEAN AND PROTECT FOR REINSTALLATION.
D9	REMOVE EXISTING FIRE ALARM DEVICE.
D10	REMOVE EXISTING SECURITY/SURVEILLANCE DEVICE. CLEAN AND PROTECT FOR REINSTALLATION.
E8	MAINTAIN EXISTING DOOR HOLD OPEN DEVICES.

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01/19/2024
STATE OF UTAH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

LEVEL 1 - DEMOLITION FLOOR PLAN - AREA B

ED101B REV

LEVEL 1 - DEMOLITION FLOOR PLAN - AREA C
SCALE = 1/8" = 1'-0"

SHEET KEYNOTES

D4	REMOVE ALL LOUDSPEAKERS AND STORE FOR RE-INSTALLATION.
D5	REMOVE AND STORE FOR RE-INSTALLATION.
D6	REMOVE AND RETURN TO OWNER.
D7	REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED CONDUIT AND WIRE TO THE FIRST JUNCTION BOX ABOVE THE CEILING.
D8	REMOVE EXISTING WIRELESS ACCESS POINT. MAINTAIN EXISTING DATA CABLING. CLEAN AND PROTECT FOR REINSTALLATION.
D9	REMOVE EXISTING FIRE ALARM DEVICE.
D10	REMOVE EXISTING SECURITY/SURVEILLANCE DEVICE. CLEAN AND PROTECT FOR REINSTALLATION.

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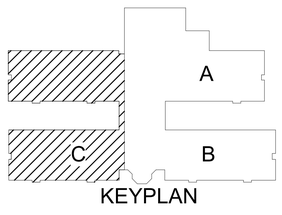

KEYPLAN

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

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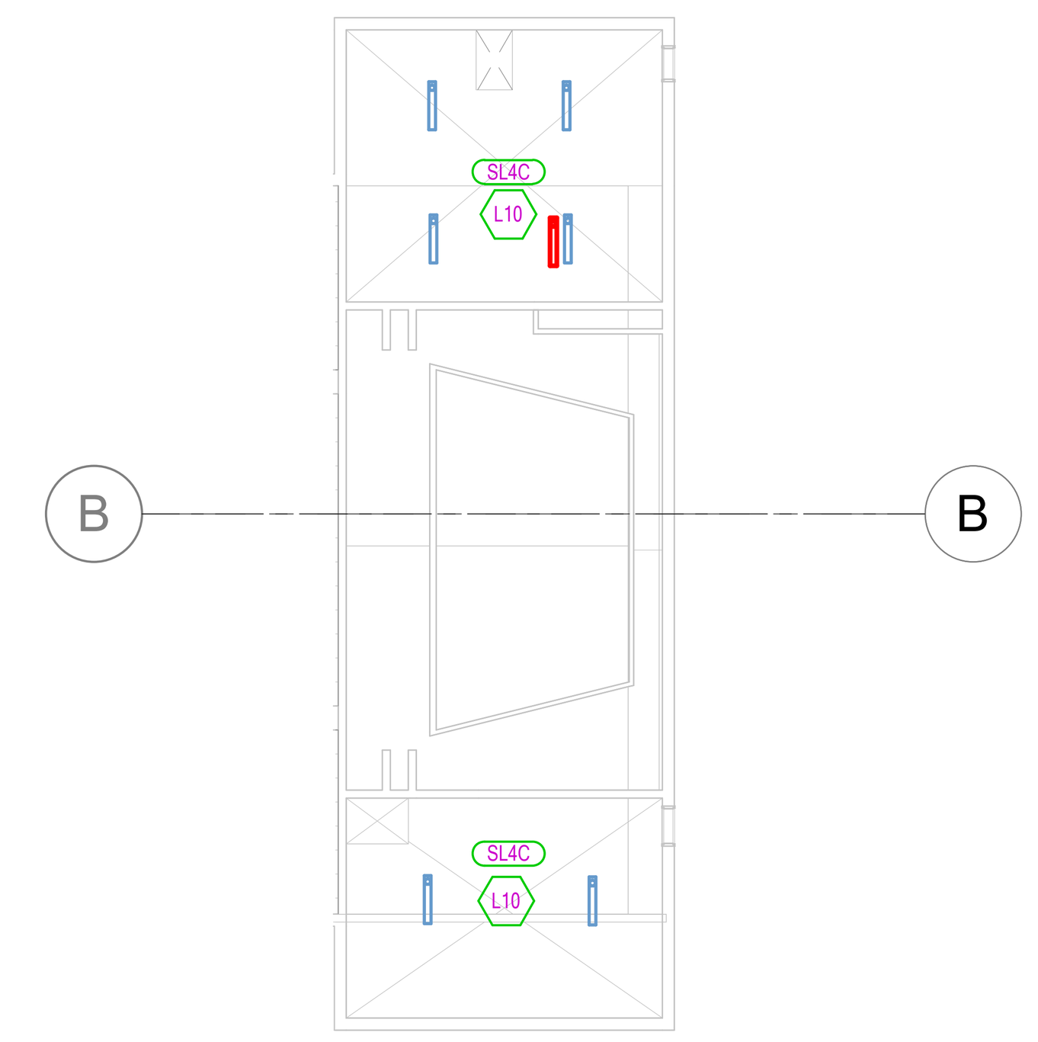
LEVEL 1 - DEMOLITION FLOOR PLAN - AREA C

ED101C REV



MEZZANINE - LIGHTING RCP PLAN
SCALE = 1/16" = 1'-0"

LEVEL 1 LIGHTING RCP PLAN - AREA A
SCALE = 1/8" = 1'-0"

LIGHTING GENERAL SHEET NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. COORDINATE WITH PAINTING CONTRACTOR FOR PAINTING OF EXPOSED RACEWAY.
2. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
4. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
5. PROVIDE 0-10V DIMMING CONDUCTORS FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE RELAY PANEL SCHEDULE AND/OR WALL STATION CONTROL SEQUENCE.
6. SUBSCRIPT ADJACENT TO LIGHT FIXTURE INDICATES CONTROLS, PROVIDE LIGHTING CONTROLS WITH THE REQUIRED NUMBER OF RELAY/DIMMIERS. PROVIDE ADDITIONAL RELAY/DIMMERS FOR DAYLIGHT ZONES AS REQUIRED.
7. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC 2021. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED FOR PROPER COVERAGE. PROVIDE ADDITIONAL DIMMING ZONE/RELAY TO CONTROL THE DAYLIGHTING ZONE SEPARATE FROM THE FIXTURES OUTSIDE THE DAYLIGHT ZONE.
8. PROVIDE NEW EXIT SIGNS WHERE SHOWN. CEILING MOUNT IF UNABLE TO LOCATE IN EXISTING WALL. WIRE TO EXISTING UNSWITCHED EMERGENCY CIRCUIT PREVIOUSLY FEEDING CORRIDOR/EXIT SIGNS AND AHEAD OF NEW RELAY.
9. PROVIDE NEW FIXTURE(S) IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO LIGHTING CIRCUIT(S) PREVIOUSLY FEEDING THIS ROOM/AREA (EXISTING CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). REPLACE EXISTING CONTROLS WITH NEW LIGHTING CONTROLS AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.
10. PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. LOCATE OCCUPANCY SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
11. MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED MODULES. PROVIDE INDICATOR LABELING ON GRID TILE NEAREST THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD OF LABELING. SEE CORRESPONDING ROOM CONTROLLER DIAGRAM FOR MORE INFORMATION.

SHEET KEYNOTES

L1	REMOVE EXISTING LAMP AND BALLAST. REWIRE THE EXISTING FIXTURE AND INSTALL A LAMP SOCKET AS REQUIRED. PROVIDE A LEDVANCE - HIDr1A/S20UNV8SC2/MED LED LAMP. CONNECT TO THE CLOSEST EMERGENCY CIRCUIT.
L4	REMOVE EXISTING LAMP AND BALLAST. REWIRE THE EXISTING FIXTURE AND INSTALL A LAMP SOCKET AS REQUIRED. PROVIDE A LEDVANCE - HIDr1A/S080UNV8SC2/MOG LED LAMP.
L8	EXISTING CLASSROOM LIGHTING CIRCUITS. CIRCUITS ARE BASED UPON RECORD DRAWINGS AND MUST BE VERIFIED BY DIVISION 26. WIRE NEW CONTROLLER/FIXTURES TO ONLY OF ONE OF THE EXISTING LIGHTING CIRCUITS PREVIOUSLY FEEDING THIS CLASSROOM. REMOVE THE REMAINING CIRCUIT BACK TO SOURCE AND LABEL BREAKER AS SPARE. PROVIDE NEW LIGHTING CONTROLS AS PER TYPICAL LAYOUT.
L9	WIRE NEW LIGHT FIXTURES TO LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS AREA (EXISTING CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). PROVIDE NEW LIGHTING CONTROLS AS SHOWN. PROVIDE ALL PATCHING AND PAINTING REQUIRED.
L10	REPLACE EXISTING BACK OF HOUSE/MECHANICAL ROOM FIXTURES WITH NEW AS SHOWN. MAINTAIN EXISTING CONTROLS. COORDINATE MOUNTING OF FIXTURES TO AVOID OBSTRUCTION OF ILLUMINATION BY DUCT, PIPES, EQUIPMENT, ETC. SURFACE MOUNT OR CHAIN MOUNT AS NECESSARY.
L11	PROVIDE NETWORKABLE 8 CIRCUIT LIGHTING RELAY PANEL AS SHOWN. PROVIDE 120V CONTROL POWER AND CAT6 NETWORK CABLE FROM OWNER NETWORK AS REQUIRED. INTERCEPT, EXTEND AND REWORK EXISTING CORRIDOR LIGHTING CIRCUITS AND ROUTE THROUGH RELAY PANEL AS INDICATED ON PLANS. CONTRACTOR SHALL VERIFY THE EXACT CIRCUIT NUMBERS FEEDING EACH AREA AND REWORK ACCORDINGLY. PROVIDE PROGRAMMING PER OWNERS DIRECTION.
L12	PROVIDE NEW FIXTURE(S) IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO LIGHTING CIRCUIT(S) PREVIOUSLY FEEDING THIS ROOM/AREA (EXISTING CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). REPLACE EXISTING CONTROLS WITH NEW LIGHTING CONTROLS AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.
L13	PROVIDE NEW FIXTURES IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO NEW EMERGENCY CIRCUIT AS SHOWN. REMOVE EXISTING CIRCUITRY AS REQUIRED WHILE MAINTAIN CIRCUIT INTEGRITY OF ANY REMAINING FIXTURES ON PREVIOUS LIGHTING CIRCUIT. PROVIDE NEW LIGHTING CONTROLS/INTERFACES AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.
L20	PROVIDE NEW EXIT SIGN AS SHOWN. CEILING MOUNT IF UNABLE TO LOCATE IN EXISTING WALL. WIRE TO EXISTING UNSWITCHED EMERGENCY CIRCUIT PREVIOUSLY FEEDING CORRIDOR/EXIT SIGNS AND AHEAD OF NEW RELAY.
L21	REPLACE EXISTING LINE VOLTAGE SWITCHES WITH NEW LOW VOLTAGE WALLSTATIONS+SS COVERPLATE. PROVIDE LOCKABLE CLEAR BUBBLE COVERS OVER NEW WALLSTATIONS. SIZE ACCORDINGLY E.G. 1G, 2G, ETC.
L22	WIRE NEW LIGHT FIXTURES TO LIGHTING CIRCUITS PREVIOUSLY FEEDING THIS AREA. PROVIDE NEW LIGHTING CONTROLS AS SHOWN, JOIN ROOM CONTROLLERS WITHIN THE SPACE ACCORDINGLY TO ALLOW FOR WALLSTATION TO CONTROL MULTIPLE ROOM CONTROLLERS AS INDICATED.
L23	REPLACE EXISTING STAGE TRACK LIGHTING WITH NEW SYSTEM AS SHOWN. REWORK CIRCUITS BETWEEN NEW TRACK AND DIMMING SWITCHES. D REPLACE DIMMING SWITCHES WITH COMPATIBLE TRAILING EDGE (ELV) DIMMING TYPE SWITCHES FOR TRACK LIGHT CONTROL. PROVIDE NEW SS COVERPLATE.

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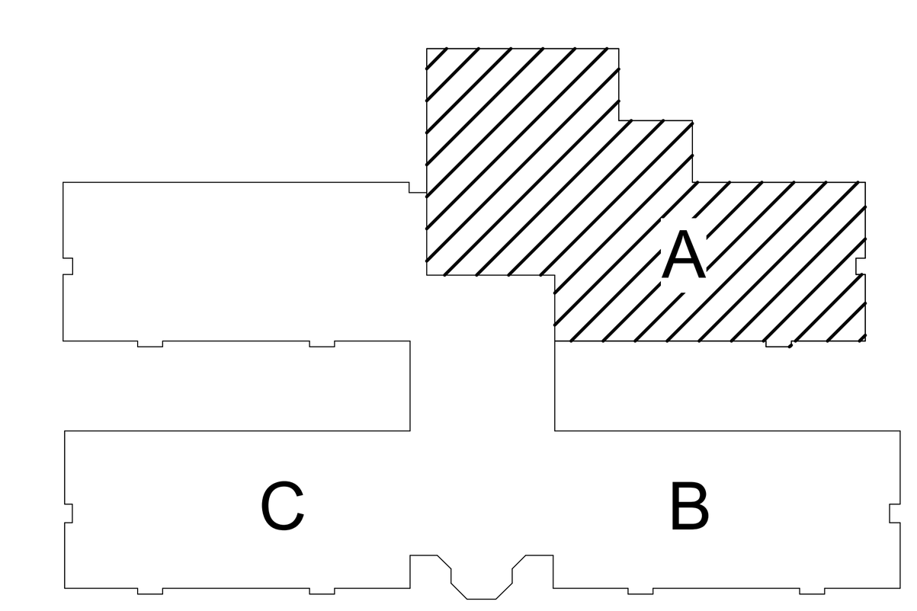

KEYPLAN

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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JORDAN SCHOOL DISTRICT

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OWNER PROJECT NO.:	-
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ISSUED DATE:	01/22/2024

LEVEL 1 - LIGHTING PLAN - AREA A

REV

E201A

LIGHTING GENERAL SHEET NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. COORDINATE WITH PAINTING CONTRACTOR FOR PAINTING OF EXPOSED RACEWAY.
2. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
4. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
5. PROVIDE 0-10V DIMMING CONDUCTORS FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE RELAY PANEL SCHEDULE AND/OR WALL STATION CONTROL SEQUENCE.
6. SUBSCRIPT ADJACENT TO LIGHT FIXTURE INDICATES CONTROLS, PROVIDE LIGHTING CONTROLS WITH THE REQUIRED NUMBER OF RELAY/DIMMIERS. PROVIDE ADDITIONAL RELAY/DIMMERS FOR DAYLIGHT ZONES AS REQUIRED.
7. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC 2021. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED FOR PROPER COVERAGE. PROVIDE ADDITIONAL DIMMING ZONE/RELAY TO CONTROL THE DAYLIGHTING ZONE SEPARATE FROM THE FIXTURES OUTSIDE THE DAYLIGHT ZONE.
8. PROVIDE NEW EXIT SIGNS WHERE SHOWN. CEILING MOUNT IF UNABLE TO LOCATE IN EXISTING WALL WIRE TO EXISTING UNSWITCHED EMERGENCY CIRCUIT PREVIOUSLY FEEDING CORRIDOR/EXIT SIGNS AND AHEAD OF NEW RELAY.
9. PROVIDE NEW FIXTURE(S) IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO LIGHTING CIRCUIT(S) PREVIOUSLY FEEDING THIS ROOM/AREA (EXISTING CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). REPLACE EXISTING CONTROLS WITH NEW LIGHTING CONTROLS AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.
10. PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. LOCATE OCCUPANCY SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
11. MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED MODULES. PROVIDE INDICATOR LABELING ON GRID TILE NEAREST THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD OF LABELING. SEE CORRESPONDING ROOM CONTROLLER DIAGRAM FOR MORE INFORMATION.

SHEET KEYNOTES

L1 REMOVE EXISTING LAMP AND BALLAST. REWIRE THE EXISTING FIXTURE AND INSTALL A LAMP SOCKET AS REQUIRED. PROVIDE A LEDVANCE - HID/1AS/20UNV8SC2/MED LED LAMP. CONNECT TO THE CLOSEST EMERGENCY CIRCUIT.

L5 RETAIN TWO EXISTING RECESSED LIGHTS FROM EXISTING SOFFIT THAT HAVE BEEN CONVERTED TO LED. CLEAN AND RE-INSTALL AS SHOWN. CONNECT TO CLOSEST EMERGENCY CIRCUIT.

L8 EXISTING CLASSROOM LIGHTING CIRCUITS. CIRCUITS ARE BASED UPON RECORD DRAWINGS AND MUST BE VERIFIED BY DIVISION 26. WIRE NEW CONTROLLER/FIXTURES TO ONLY OF ONE OF THE EXISTING LIGHTING CIRCUITS PREVIOUSLY FEEDING THIS CLASSROOM. REMOVE THE REMAINING CIRCUIT BACK TO SOURCE AND LABEL BREAKER AS SPARE. PROVIDE NEW LIGHTING CONTROLS AS PER TYPICAL LAYOUT.

L9 WIRE NEW LIGHT FIXTURES TO LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS AREA (EXISITNG CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). PROVIDE NEW LIGHTING CONTROLS AS SHOWN. PROVIDE ALL PATCHING AND PAINTING REQUIRED.

L10 REPLACE EXISTING BACK OF HOUSE/MECHANICAL ROOM FIXTURES WITH NEW AS SHOWN. MAINTAIN EXISTING CONTROLS. COORDINATE MOUNTING OF FIXTURES TO AVOID OBSTRUCTION OF ILLUMINATION BY DUCT, PIPES, EQUIPMENT, ETC. SURFACE MOUNT OR CHAIN MOUNT AS NECESSARY.

L11 PROVIDE NETWORKABLE 8 CIRCUIT LIGHTING RELAY PANEL AS SHOWN. PROVIDE 120V CONTROL POWER AND CAT6 NETWORK CABLE FROM OWNER NETWORK AS REQUIRED. INTERCEPT, EXTEND AND REWORK EXISTING CORRIDOR LIGHTING CIRCUITS AND ROUTE THROUGH RELAY PANEL AS INDICATED ON PLANS. CONTRACTOR SHALL VERIFY THE EXACT CIRCUIT NUMBERS FEEDING EACH AREA AND REWORK ACCORDINGLY. PROVIDE PROGRAMMING PER OWNERS DIRECTION.

L12 PROVIDE NEW FIXTURE(S) IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO LIGHTING CIRCUIT(S) PREVIOUSLY FEEDING THIS ROOM/AREA (EXISTING CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). REPLACE EXISTING CONTROLS WITH NEW LIGHTING CONTROLS AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.

L13 PROVIDE NEW FIXTURES IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO NEW EMERGENCY CIRCUIT AS SHOWN. REMOVE EXISTING CIRCUITRY AS REQUIRED WHILE MAINTAIN CIRCUIT INTEGRITY OF ANY REMAINING FIXTURES ON PREVIOUS LIGHTING CIRCUIT. PROVIDE NEW LIGHTING CONTROLS/INTERFACES AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.

L20 PROVIDE NEW EXIT SIGN AS SHOWN. CEILING MOUNT IF UNABLE TO LOCATE IN EXISTING WALL. WIRE TO EXISTING UNSWITCHED EMERGENCY CIRCUIT PREVIOUSLY FEEDING CORRIDOR/EXIT SIGNS AND AHEAD OF NEW RELAY.

L24 WIRE NEW LIGHT FIXTURES TO EXISTING PANELBOARD 'F' AS SHOWN. CIRCUIT SHOWN FOR REFERENCE ONLY, PROVIDE ADDITIONAL 20A BREAKER WITHIN PANELBOARD 'F' AS NEEDED.

L25 PROVIDE NEW EMERGENCY FIXTURE AS SHOWN. WIRE TO EXISTING EMERGENCY PANELBOARD 'E' AS SHOWN. CIRCUIT SHOWN FOR REFERENCE ONLY, PROVIDE ADDITIONAL 20A BREAKER WITHIN PANELBOARD 'E' AS NEEDED.

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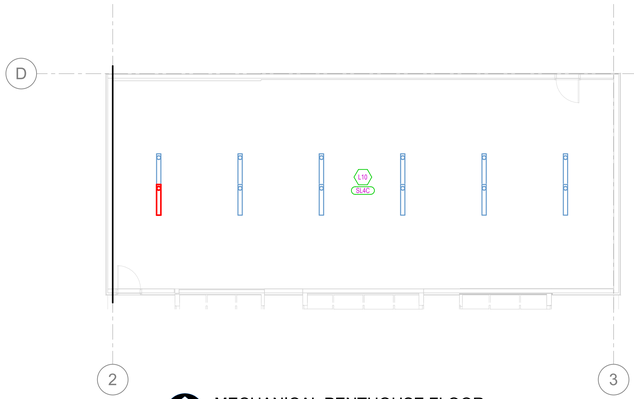

MECHANICAL PENTHOUSE FLOOR
SCALE = 1/8" = 1'-0"

LEVEL 1 LIGHTING RCP PLAN - AREA B
SCALE = 1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

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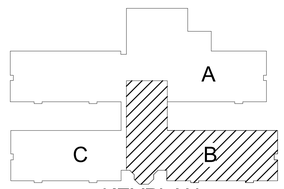
JORDAN SCHOOL DISTRICT



KEYPLAN

7905 SOUTH REDWOOD ROAD,
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OWNER PROJECT NO.: -
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LEVEL 1 - LIGHTING PLAN - AREA B

E201B REV

LEVEL 1 LIGHTING RCP PLAN - AREA C

SCALE = 1/8" = 1'-0"

LIGHTING GENERAL SHEET NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. COORDINATE WITH PAINTING CONTRACTOR FOR PAINTING OF EXPOSED RACEWAY.
2. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.
3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
4. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
5. PROVIDE 0-10V DIMMING CONDUCTORS FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE RELAY PANEL SCHEDULE AND/OR WALL STATION CONTROL SEQUENCE.
6. SUBSCRIPT ADJACENT TO LIGHT FIXTURE INDICATES CONTROLS, PROVIDE LIGHTING CONTROLS WITH THE REQUIRED NUMBER OF RELAY/DIMMERS. PROVIDE ADDITIONAL RELAY/DIMMERS FOR DAYLIGHT ZONES AS REQUIRED.
7. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC 2021. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED FOR PROPER COVERAGE. PROVIDE ADDITIONAL DIMMING ZONE/RELAY TO CONTROL THE DAYLIGHTING ZONE SEPARATE FROM THE FIXTURES OUTSIDE THE DAYLIGHT ZONE.
8. PROVIDE NEW EXIT SIGNS WHERE SHOWN. CEILING MOUNT IF UNABLE TO LOCATE IN EXISTING WALL WIRE TO EXISTING UNSWITCHED EMERGENCY CIRCUIT PREVIOUSLY FEEDING CORRIDOR/EXIT SIGNS AND AHEAD OF NEW RELAY.
9. PROVIDE NEW FIXTURE(S) IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO LIGHTING CIRCUIT(S) PREVIOUSLY FEEDING THIS ROOM/AREA (EXISTING CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). REPLACE EXISTING CONTROLS WITH NEW LIGHTING CONTROLS AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.
10. PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. LOCATE OCCUPANCY SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
11. MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED MODULES. PROVIDE INDICATOR LABELING ON GRID TILE NEAREST THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD OF LABELING. SEE CORRESPONDING ROOM CONTROLLER DIAGRAM FOR MORE INFORMATION.

SHEET KEYNOTES

L1 REMOVE EXISTING LAMP AND BALLAST. REWIRE THE EXISTING FIXTURE AND INSTALL A LAMP SOCKET AS REQUIRED. PROVIDE A LEDVANCE - HID/1AS/20UNV8SC2/MED LED LAMP. CONNECT TO THE CLOSEST EMERGENCY CIRCUIT.

L2 MAINTAIN EXISTING LIGHT FIXTURES AND CONTROL IN THIS SPACE.

L4 REMOVE EXISTING LAMP AND BALLAST. REWIRE THE EXISTING FIXTURE AND INSTALL A LAMP SOCKET AS REQUIRED. PROVIDE A LEDVANCE - HID/1AS/80UNV8SC2/MOG LED LAMP.

L8 EXISTING CLASSROOM LIGHTING CIRCUITS. CIRCUITS ARE BASED UPON RECORD DRAWINGS AND MUST BE VERIFIED BY CONTRACTOR. WIRE NEW CONTROLLER/FIXTURES TO ONLY OF ONE OF THE EXISTING LIGHTING CIRCUITS PREVIOUSLY FEEDING THIS CLASSROOM. REMOVE THE REMAINING CIRCUIT BACK TO SOURCE AND LABEL BREAKER AS SPARE. PROVIDE NEW LIGHTING CONTROLS AS PER TYPICAL LAYOUT.

L9 WIRE NEW LIGHT FIXTURES TO LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS AREA (EXISTING CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). PROVIDE NEW LIGHTING CONTROLS AS SHOWN. PROVIDE ALL PATCHING AND PAINTING REQUIRED.

L11 PROVIDE NETWORKABLE 8 CIRCUIT LIGHTING RELAY PANEL AS SHOWN. PROVIDE 120V CONTROL POWER AND CAT6 NETWORK CABLE FROM OWNER NETWORK AS REQUIRED. INTERCEPT, EXTEND AND REWORK EXISTING CORRIDOR LIGHTING CIRCUITS AND ROUTE THROUGH RELAY PANEL AS INDICATED ON PLANS. CONTRACTOR SHALL VERIFY THE EXACT CIRCUIT NUMBERS FEEDING EACH AREA AND REWORK ACCORDINGLY. PROVIDE PROGRAMMING PER OWNERS DIRECTION.

L12 PROVIDE NEW FIXTURE(S) IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO LIGHTING CIRCUIT(S) PREVIOUSLY FEEDING THIS ROOM/AREA (EXISTING CIRCUIT PER RECORD DRAWINGS AND FOR REFERENCE ONLY). REPLACE EXISTING CONTROLS WITH NEW LIGHTING CONTROLS AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.

L13 PROVIDE NEW FIXTURES IN PLACE OF WHERE EXISTING FIXTURES WERE DEMOLISHED. WIRE NEW LIGHT FIXTURE(S) TO NEW EMERGENCY CIRCUIT AS SHOWN. REMOVE EXISTING CIRCUITRY AS REQUIRED WHILE MAINTAIN CIRCUIT INTEGRITY OF ANY REMAINING FIXTURES ON PREVIOUS LIGHTING CIRCUIT. PROVIDE NEW LIGHTING CONTROLS/INTERFACES AS SHOWN. PROVIDE CEILING PATCHING AND PAINTING AT CEILING AS REQUIRED.

L20 PROVIDE NEW EXIT SIGN AS SHOWN. CEILING MOUNT IF UNABLE TO LOCATE IN EXISTING WALL. WIRE TO EXISTING UNSWITCHED EMERGENCY CIRCUIT PREVIOUSLY FEEDING CORRIDOR/EXIT SIGNS AND AHEAD OF NEW RELAY.

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1/19/2024

CONSTRUCTION DOCUMENTS

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JORDAN SCHOOL DISTRICT

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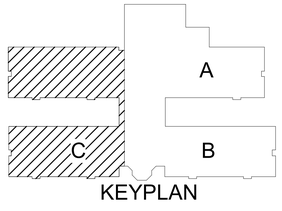
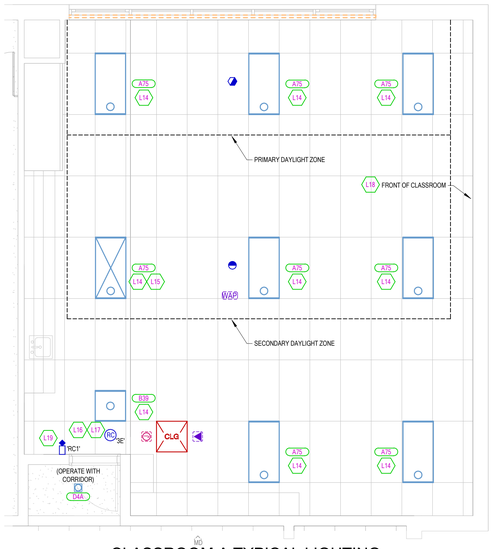
LEVEL 1 - LIGHTING PLAN - AREA C

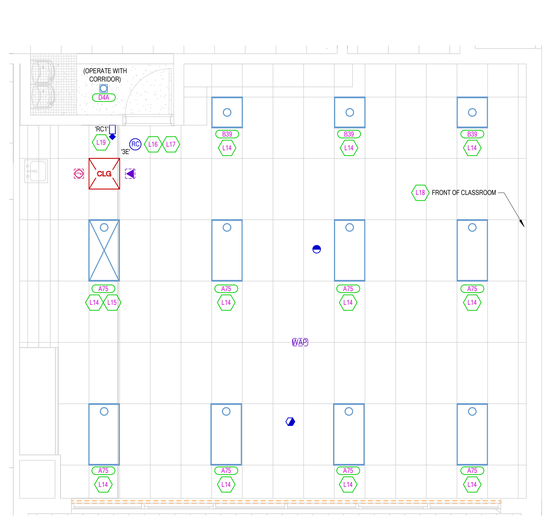


KEYPLAN

E201C REV



1 CLASSROOM A TYPICAL LIGHTING PLAN
SCALE = 1/4" = 1'-0"



2 CLASSROOM B TYPICAL LIGHTING PLAN
SCALE = 1/4" = 1'-0"

SHEET KEYNOTES

L14 SEE LIGHTING PLANS FOR FIXTURE TYPE REQUIREMENTS.

L15 PROVIDE NEW UNSWITCHED EMERGENCY BRANCH CIRCUIT FROM EXISTING TO CLASSROOM ROOM CONTROLLER PANELBOARD 'E'. SEE LIGHTING PLANS FOR BRANCH CIRCUIT DESIGNATIONS. WIRE ROOM CONTROLLERS UL 924 RELAY AS SPECIFIED FOR AUTOMATIC EMERGENCY LIGHTING CONTROL. EXTEND EMERGENCY RELAY TO ALL INDICATED EMERGENCY FIXTURES WITHIN THE ROOM AS REQUIRED. EMERGENCY RELAY SHALL TRACK WITH ALL OTHER RELAYS AND ONLY OPERATE THE INDICATED LIGHT FIXTURES DURING LOSS OF POWER.

L16 WIRE NEW CONTROLLER/LIGHT FIXTURES TO LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS CLASSROOM. PROVIDE NEW LIGHTING CONTROLS AS SHOWN.

L17 MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED MODULES. PROVIDE INDICATOR LABELING ON GRID TILE NEAREST THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD OF LABELING. SEE CORRESPONDING ROOM CONTROLLER DIAGRAM FOR MORE INFORMATION.

L18 SEE AREA LIGHTING FLOOR PLANS FOR FRONT OF CLASSROOM ORIENTATION. WIRE CLASSROOM IN ACCORDANCE TO WIRING SHOWN IN TYPICAL TO GIVE PROPER CONTROL SCHEME OF LIGHTING.

L19 PROVIDE LOW VOLTAGE WALLSTATION AT EXISTING SWITCH BOX. PROVIDE BLANK DECORA FACEPLATE AS NEEDED TO COVER ANY OPEN GANGS. PROVIDE NEW STAINLESS STEEL COVERPLATE (2-GANG TYPICAL, CONTRACTOR TO VERIFY EXACT SIZE). SEE DIAGRAM S002/E506 FOR WALLSTATION LAYOUT AND CONFIGURATION.

TYPICAL CLASSROOM LIGHTING GENERAL NOTES

1. PROVIDE MOCK-UP OF ONE CLASSROOM THAT IS TYPICAL OF ALL CLASSROOMS AT THE BEGINNING OF THE ELECTRICAL, AV, AND SYSTEMS ROUGH-IN. COORDINATE WITH GENERAL CONTRACTOR FOR EXACT SCHEDULING REQUIREMENTS. NOTIFY ENGINEER WHEN READY FOR INSPECTION.
2. EXACT ROOM LAYOUTS WILL VARY. SEE PLANS FOR APPROXIMATE EQUIPMENT LOCATIONS AND QUANTITY.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
4. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
5. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
6. SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
7. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
8. WHERE EMERGENCY CIRCUIT IS SHOWN IN A SPACE OPERATED BY A ROOM CONTROLLER; WIRE ROOM CONTROLLERS UL 924 RELAY AS REQUIRED FOR AUTOMATIC EMERGENCY LIGHTING CONTROL. EXTEND EMERGENCY RELAY TO ALL INDICATED EMERGENCY FIXTURES WITHIN THE ROOM AS REQUIRED. EMERGENCY RELAY SHALL TRACK WITH ALL OTHER RELAYS AND ONLY OPERATE THE INDICATED LIGHT FIXTURES DURING LOSS OF POWER. .
9. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS.
10. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED. PROVIDE 0-10V DIMMING FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSTATION CONTROL SEQUENCE AND OR BY TYPE OF CONTROL INTERFACE SHOWN.
11. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILINGS. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
12. PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. LOCATE OCCUPANCY SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
13. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC 2021. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED FOR PROPER COVERAGE. PROVIDE ADDITIONAL DIMMING ZONE/RELAY TO CONTROL THE DAYLIGHTING ZONE SEPARATE FROM THE FIXTURES OUTSIDE THE DAYLIGHT ZONE.

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TYPICAL CLASSROOM LIGHTING PLANS

E203 REV

POWER GENERAL SHEET NOTES

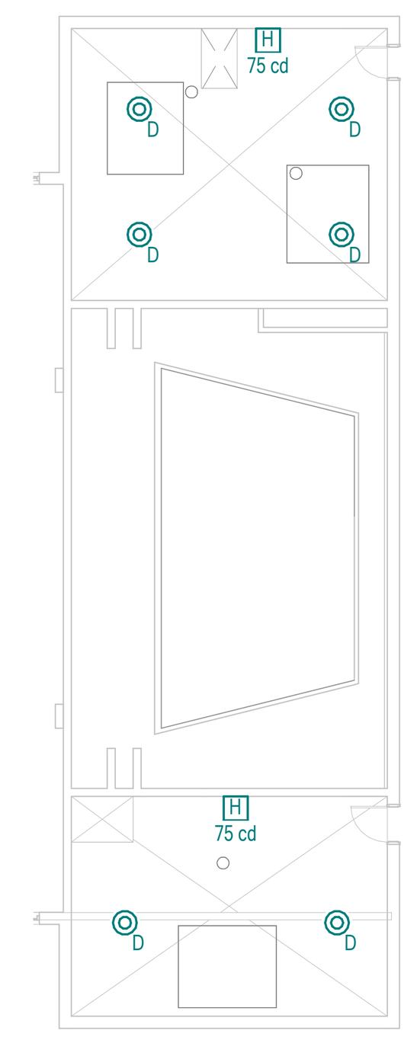
1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.
2. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
3. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF DEVICES MOUNTED ABOVE OR BELOW ARCHITECTURAL COUNTERS, CABINETS, ETC. WITH SHOP DRAWINGS PRIOR TO ROUGH-IN. INSTALL DEVICES TO CLEAR BACKSPLASH, CENTERED IN KNEE SPACE, CENTERED BETWEEN SHELVES, ETC.
6. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
7. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0 INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
8. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
9. LECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

FIRE ALARM GENERAL NOTES

1. EXISTING FIRE ALARM TO BE UPGRADED AND CARBON MONOXIDE PROTECTION ADDED AS INDICATED AND REQUIRED BY STATE LAW. DIVISION 26 SHALL CONFIRM EXACT LOCATION OF EXISTING AND NEW FIRE ALARM DEVICES WITH OWNER. DEVICES LOCATIONS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. EXISTING ELECTRICAL FIXTURES, DEVICES, EQUIPMENT, CIRCUITING AND/OR CONDITIONS ARE NOT SPECIFIED UNLESS NOTED ON DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR AND CLOSELY COORDINATED WITH OWNER. ALL EXISTING CONDITIONS MUST BE VERIFIED WITHOUT EXCEPTION.
2. REPLACE EXISTING, POWER SUPPLIES, BACK-UP BATTERIES, REMOTE OPERATING PANEL, ETC TO MATCH THE EXISTING E3 SERIES GAMEWELL-FCI SYSTEM. MAINTAIN INTEGRITY OF EXISTING SIGNALING LINE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS AS REQUIRED. DEVICES SHOWN ON DRAWING ARE EXISTING UNLESS OTHERWISE NOTED.
3. EXISTING PREMISE FIRE ALARM WIRING TO BE RE-USED. REPLACE DEVICES AS SHOWN ON NEW PLANS. RE-WORK AS NECESSARY TO PROVIDE A COMPLETE AND WORKING SYSTEM. ANY NEW WIRING SHALL BE ROUTED ABOVE CEILING.
4. ANY FIRE ALARM DEVICE(S) REMOVED DURING DEMOLITION ARE REQUIRED TO BE RELOCATED IN THE LOCATION NECESSARY TO PROVIDE COVERAGE PER NFPA 72, AND CIRCUITED SAME AS BEFORE. FIRE ALARM DEVICE(S) ARE NOT ALLOWED TO BE LOCATED CENTER OF ANY ROOM OR SPACE. IF MORE FIRE ALARM DEVICES ARE REQUIRED CONTRACTOR SHALL PROVIDE THEM COMPLETELY. REFER TO SHEET E300 SERIES SHEETS FOR MORE INFORMATION.
5. MAINTAIN EXISTING CIRCUITING FOR FIRE/SMOKE DAMPER RELAYS, AND DUCT DETECTORS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL EXISTING FIRE/SMOKE DAMPERS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
6. MAINTAIN EXISTING CIRCUITING EXISTING FIRE RISER.

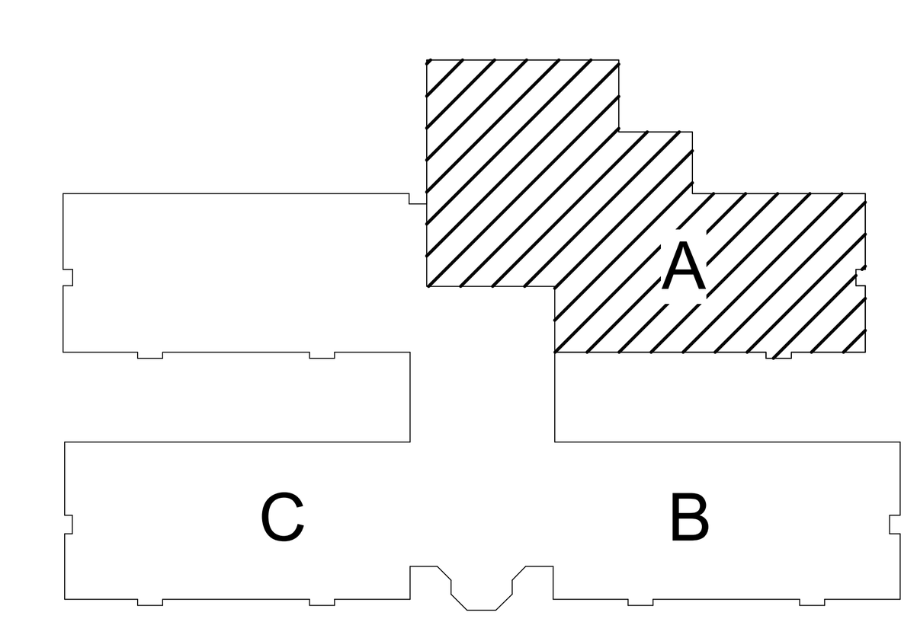
SHEET KEYNOTES

E1	DISCONNECT EXISTING DIVIDER WALL MOTOR. EXTEND EXISTING CONDUIT AND WIRE AS REQUIRED TO CONNECT TO EXISTING 3-PHASE CIRCUIT IN PANEL 'K'. INCLUDE ALL MATERIAL AND LABOR FOR THIS ITEM IN ADD ALTERNATE #1.
E2	PROVIDE A NEW STARTER/DISCONNECT SWITCH ON THE NEW MAKE-UP AIR UNIT. PROVIDE CONDUIT AND WIRE AS REQUIRED TO EXTEND THE EXISTING FEEDER TO THE STARTER/DISCONNECT. VERIFY FUSE SIZE WITH UNIT NAMEPLATE INFORMATION. COORDINATE MOUNTING OPTIONS WITH THE EQUIPMENT INSTALLER. INCLUDE ALL MATERIAL AND LABOR FOR THIS ITEM IN ADD ALTERNATE #2.
E3	A DUPLEX RECEPTACLE IS SUPPLIED WITH THE UNIT. PROVIDE 2#12 THWN AND 1#12 GROUND IN 3/4" CONDUIT TO THE CLOSEST RECEPTACLE CIRCUIT IN THE BUILDING. INCLUDE ALL MATERIAL AND LABOR FOR THIS ITEM IN ADD ALTERNATE #2.
E8	MAINTAIN EXISTING DOOR HOLD OPEN DEVICES.
E9	MOUNT DETECTOR IN SKYLIGHT.
E10	REINSTALL EXISTING SECURITY DEVICE PER EXISTING CONDITION. EXTEND CONDUIT AND CABLING AS REQUIRED.
E20	MAINTAIN ALL EXISTING CIRCUITING IN THE EXISTING PROJECTION SYSTEM CEILING BOX. EXTEND ALL CONDUIT AND WIRE AS REQUIRED FOR REINSTALLATION IN THE NEW CEILING.



3 MEZZANINE - ELECTRICAL PLAN
SCALE = 1/16" = 1'-0"

LEVEL 1 ELECTRICAL PLAN - AREA A
SCALE = 1/8" = 1'-0"



KEYPLAN

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PROFESSIONAL ENGINEER BRIAN HICKS No. 7709037-2202 1/19/2024 STATE OF UTAH

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LEVEL 1 ELECTRICAL PLAN - AREA A

E301A REV

SHEET KEYNOTES

E4	MAINTAIN EXISTING CIRCUITING IN PLACE.
E5	PROVIDE A JUNCTION BOX, SIZED AS REQUIRED, ABOVE THE CEILING OF THE EXISTING DATA RACK LOCATION. REROUTE ALL DATA CIRCUITS THROUGH THE JUNCTION BOX AND CONDUITS AS REQUIRED AND RETERMINATE IN THE EXISTING RACK AT THE NEW LOCATION. SPLICE AND EXTEND CABLING AS REQUIRED TO REACH THE NEW LOCATION. MAINTAIN EXISTING LABELING.
E6	PROVIDE (2) 20A 2POLE BREAKERS IN PANEL 'E', LOCATED IN ELECTRICAL ROOM 119. PROVIDE ONE CIRCUIT FROM EACH BREAKER TO EACH OF THE (2) NEW 4-PLEXES SHOWN.
E7	AS BUILT DRAWINGS SHOW THIS CIRCUIT EXISTING IN THIS AREA. VERIFY AVAILABILITY.
E8	MAINTAIN EXISTING DOOR HOLD OPEN DEVICES.
E9	MOUNT DETECTOR IN SKYLIGHT.
E10	REINSTALL EXISTING SECURITY DEVICE PER EXISTING CONDITION. EXTEND CONDUIT AND CABLING AS REQUIRED.
E11	OWNER SUPPLIED AUDIOVISUAL ENTRY CONTROL STATION. VERIFY DIMENSIONS OF THE DEVICE. PROVIDE (1) 4-PAIR CAT6 AND (1) 2-PAIR #18 TWISTED CABLES TO THE DATA RACK IN DATA ROOM 206.
E12	PROVIDE POWER TO DOORS FOR ACCESSIBILITY. PROVIDE ALL CONDUIT, JUNCTION BOXES, WIRE, ETC FOR A COMPLETE INSTALLATION. COORDINATE LOCATIONS OF CONTROLS WITH ARCHITECT PRIOR TO ROUGH-IN.
E13	PROVIDE AN LNL RK-AL400 ULX (OR DISTRICT STANDARD) POWER SUPPLY.
E16	PROVIDE CIRCUIT FROM PANEL 'A1' TO THE ROOFTOP EQUIPMENT THEN TO THE INDOOR.
E17	MAINTAIN EXISTING CIRCUIT.
E18	PROVIDE CONDUIT AND WIRE AS REQUIRED TO CONNECT RECEPTACLES SHOWN IN THIS AREA TO EXISTING RECEPTACLE CIRCUITS IN THE AREA.
E19	PROVIDE AN EXTENSION ON THE EXISTING RECEPTACLE AT THIS LOCATION AND EXTEND THE CIRCUIT TO RECEPTACLES SHOWN IN THIS ROOM.
E20	MAINTAIN ALL EXISTING CIRCUITING IN THE EXISTING PROJECTION SYSTEM CEILING BOX. EXTEND ALL CONDUIT AND WIRE AS REQUIRED FOR REINSTALLATION IN THE NEW CEILING.

POWER GENERAL SHEET NOTES

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.
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4. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
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6. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
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8. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
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3. EXISTING PREMISE FIRE ALARM WIRING TO BE RE-USED. REPLACE DEVICES AS SHOWN ON NEW PLANS. RE-WORK AS NECESSARY TO PROVIDE A COMPLETE AND WORKING SYSTEM. ANY NEW WIRING SHALL BE ROUTED ABOVE CEILING.
4. ANY FIRE ALARM DEVICE(S) REMOVED DURING DEMOLITION ARE REQUIRED TO BE RELOCATED IN THE LOCATION NECESSARY TO PROVIDE COVERAGE PER NFPA 72, AND CIRCUITED SAME AS BEFORE. FIRE ALARM DEVICE(S) ARE NOT ALLOWED TO BE LOCATED CENTER OF ANY ROOM OR SPACE. IF MORE FIRE ALARM DEVICES ARE REQUIRED CONTRACTOR SHALL PROVIDE THEM COMPLETELY. REFER TO SHEET E300 SERIES SHEETS FOR MORE INFORMATION.
5. MAINTAIN EXISTING CIRCUITING FOR FIRE/SMOKE DAMPER RELAYS, AND DUCT DETECTORS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL EXISTING FIRE/SMOKE DAMPERS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
6. MAINTAIN EXISTING CIRCUITING EXISTING FIRE RISER.

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LEVEL 1 ELECTRICAL PLAN - AREA B
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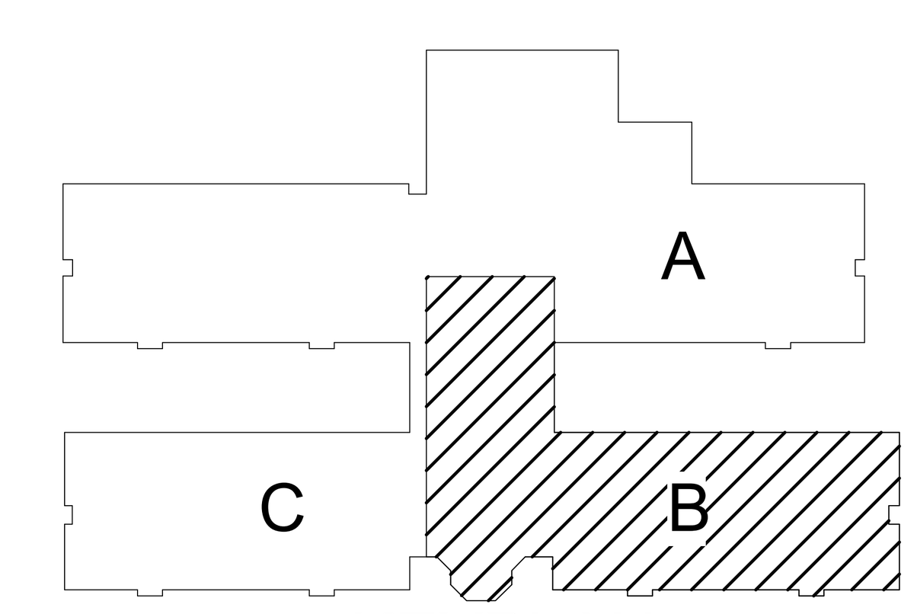

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LEVEL 1 ELECTRICAL PLAN - AREA B

E301B

REV

LEVEL 1 ELECTRICAL PLAN - AREA C

SCALE = 1/8" = 1'-0"

POWER GENERAL SHEET NOTES

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2. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
3. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF DEVICES MOUNTED ABOVE OR BELOW ARCHITECTURAL COUNTERS, CABINETS, ETC. WITH SHOP DRAWINGS PRIOR TO ROUGH-IN. INSTALL DEVICES TO CLEAR BACKSPLASH, CENTERED IN KNEE SPACE, CENTERED BETWEEN SHELVES, ETC.
6. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
7. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC, AND AT 5'-0 INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
8. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
9. LECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

SHEET KEYNOTES

E8	MAINTAIN EXISTING DOOR HOLD OPEN DEVICES.
E9	MOUNT DETECTOR IN SKYLIGHT.
E10	REINSTALL EXISTING SECURITY DEVICE PER EXISTING CONDITION. EXTEND CONDUIT AND CABLING AS REQUIRED.
E20	MAINTAIN ALL EXISTING CIRCUITING IN THE EXISTING PROJECTION SYSTEM CEILING BOX. EXTEND ALL CONDUIT AND WIRE AS REQUIRED FOR REINSTALLATION IN THE NEW CEILING.

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WEST JORDAN, UT 84088

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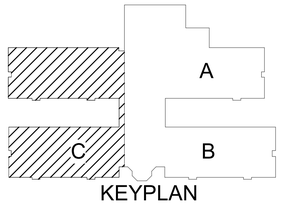
LEVEL 1 ELECTRICAL PLAN - AREA C



KEYPLAN

E301C REV

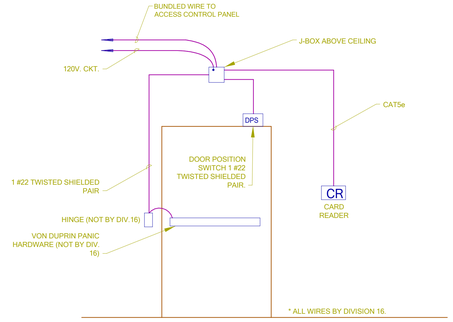


DIAGRAM E007 EXTERIOR DOOR SYSTEM SCHEMATIC

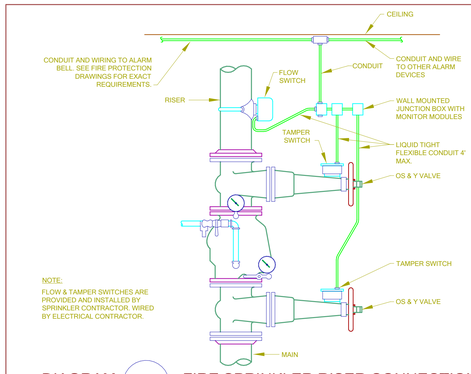


DIAGRAM D001 FIRE SPRINKLER RISER CONNECTION
NTS

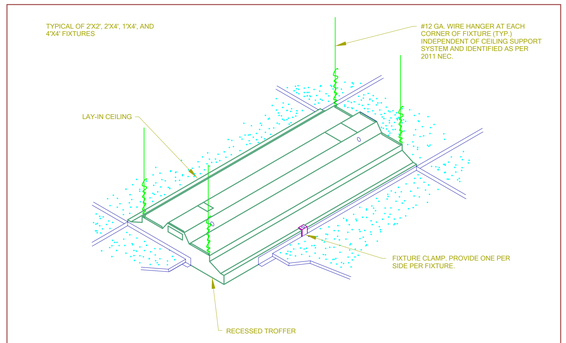


DIAGRAM A001 TYP. RECESSED FIXTURE MOUNTING
NTS

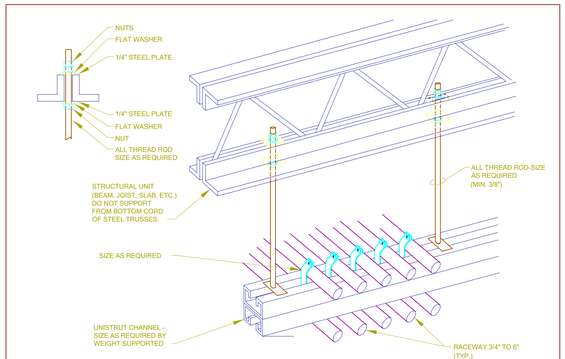


DIAGRAM H001 TYPICAL TRAPEZE CONDUIT RACK
NTS

NOTES:

1. PROVIDE ADDRESSABLE INITIATION LOOP(S) AND POWER CIRCUIT FOR THE CARBON MONOXIDE DETECTORS.
2. PROVIDE CARBON MONOXIDE DETECTOR WITH ASSOCIATED MONITOR MODULE. SEE PLANS FOR QUANTITY AND LOCATION.
3. PROVIDE CONTROL MODULE WITH FAN SHUTDOWN RELAY TO SHUTDOWN MECHANICAL UNIT ON LOCAL CARBON MONOXIDE DETECTOR ACTIVATION.
4. PROVIDE FIRE ALARM BLUE STROBE(S). SEE PLANS FOR QUANTITY AND LOCATIONS.
5. PROVIDE DUCT SMOKE DETECTORS AND FAN RELAYS AT ALL FAN UNITS 2000 CFM AND OVER. SHUT DOWN ALL SUPPLY AND RETURN FANS UPON A GENERAL ALARM SIGNAL.
6. PROVIDE KEY OVERRIDE SWITCH FOR EVERY PAIR OF ELECTROMAGNETIC DOOR HOLDERS/RELEASES.
7. PROVIDE KEY OVERRIDE SWITCH IN MAIN ADMINISTRATION OFFICE THAT WILL RELEASE ALL ELECTROMAGNETIC DOOR HOLDERS/RELEASES THROUGHOUT THE BUILDING.
8. COORDINATE WITH THE ACCESS CONTROL PROVIDER TO PROVIDE INPUT POINT THAT WILL ALLOW THE ACCESS CONTROL SYSTEM TO RELEASE ALL ELECTROMAGNETIC DOOR HOLDERS/RELEASES THROUGHOUT THE BUILDING DURING A LOCKDOWN EVENT OR PER THE OWNERS REQUIREMENTS.

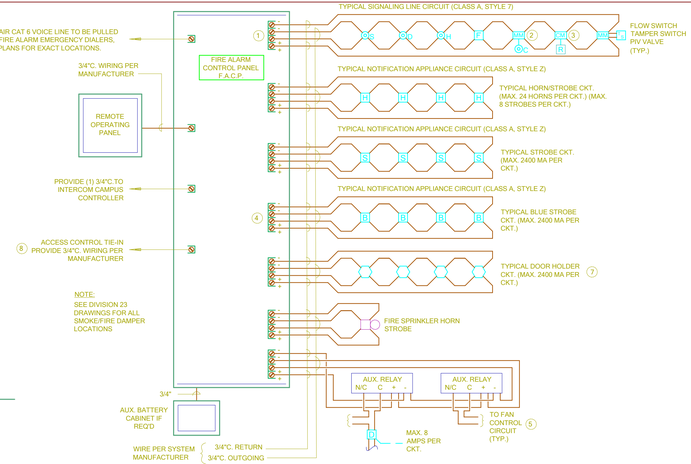


DIAGRAM D002 TYPICAL FIRE ALARM RISER
NTS

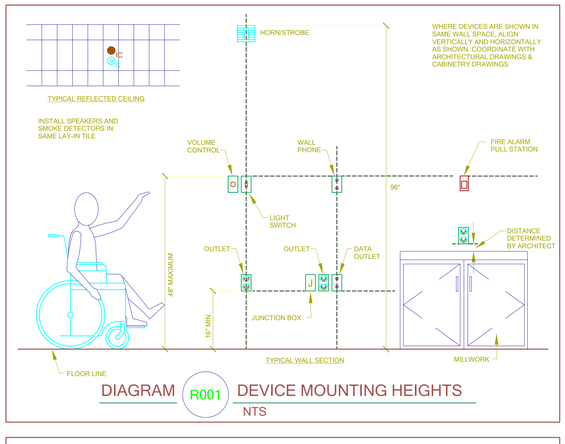


DIAGRAM R001 DEVICE MOUNTING HEIGHTS
NTS

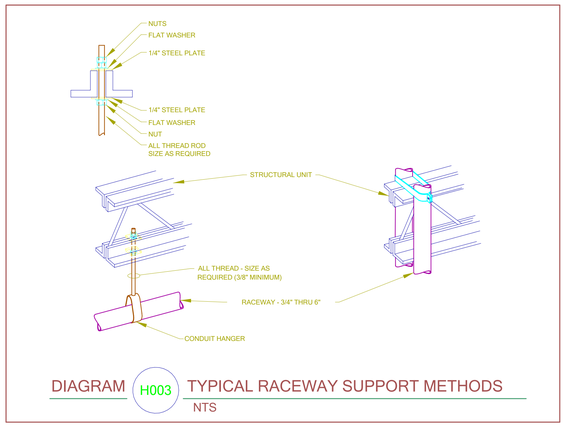


DIAGRAM H003 TYPICAL RACEWAY SUPPORT METHODS
NTS

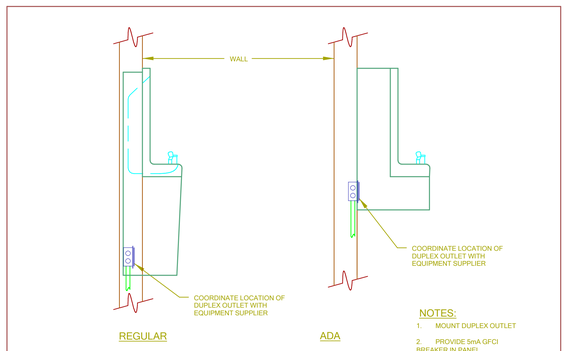
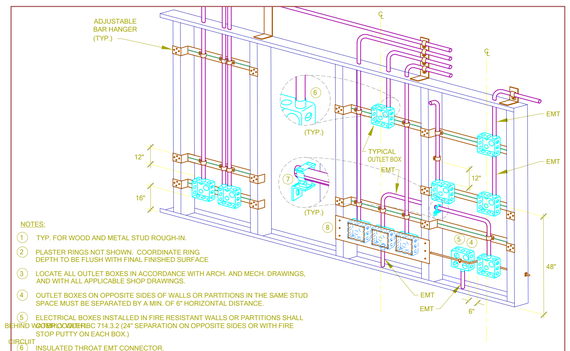


DIAGRAM R002 ELECTRIC WATER COOLER (EWC)
NTS



NOTES:

1. TYP. FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISHED SURFACE
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCH. AND MECH. DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
5. ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL BEHIND WHERE PROVIDED PER IBC 714.3.2 (24" SEPARATION ON OPPOSITE SIDES OR WITH FIRE STOP PUTTY ON EACH BOX.)
6. INSULATED THROAT EMT CONNECTOR.
7. CADDY FASTENER, THROUGH STUD CABLE/CONDUIT SUPPORT "FB12P".
8. CADDY BOX MOUNTING BRACKET "RBS16".

DIAGRAM H004 TYPICAL ROUGH IN REQUIREMENTS
NTS

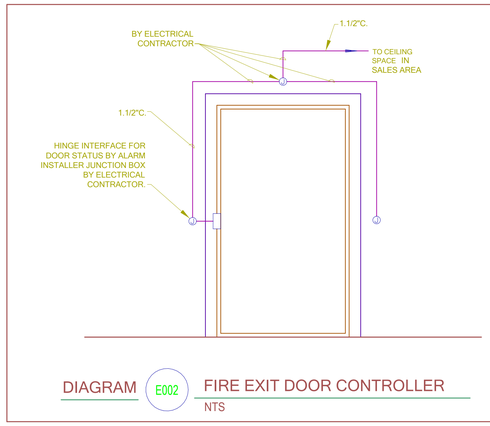


DIAGRAM E002 FIRE EXIT DOOR CONTROLLER
NTS

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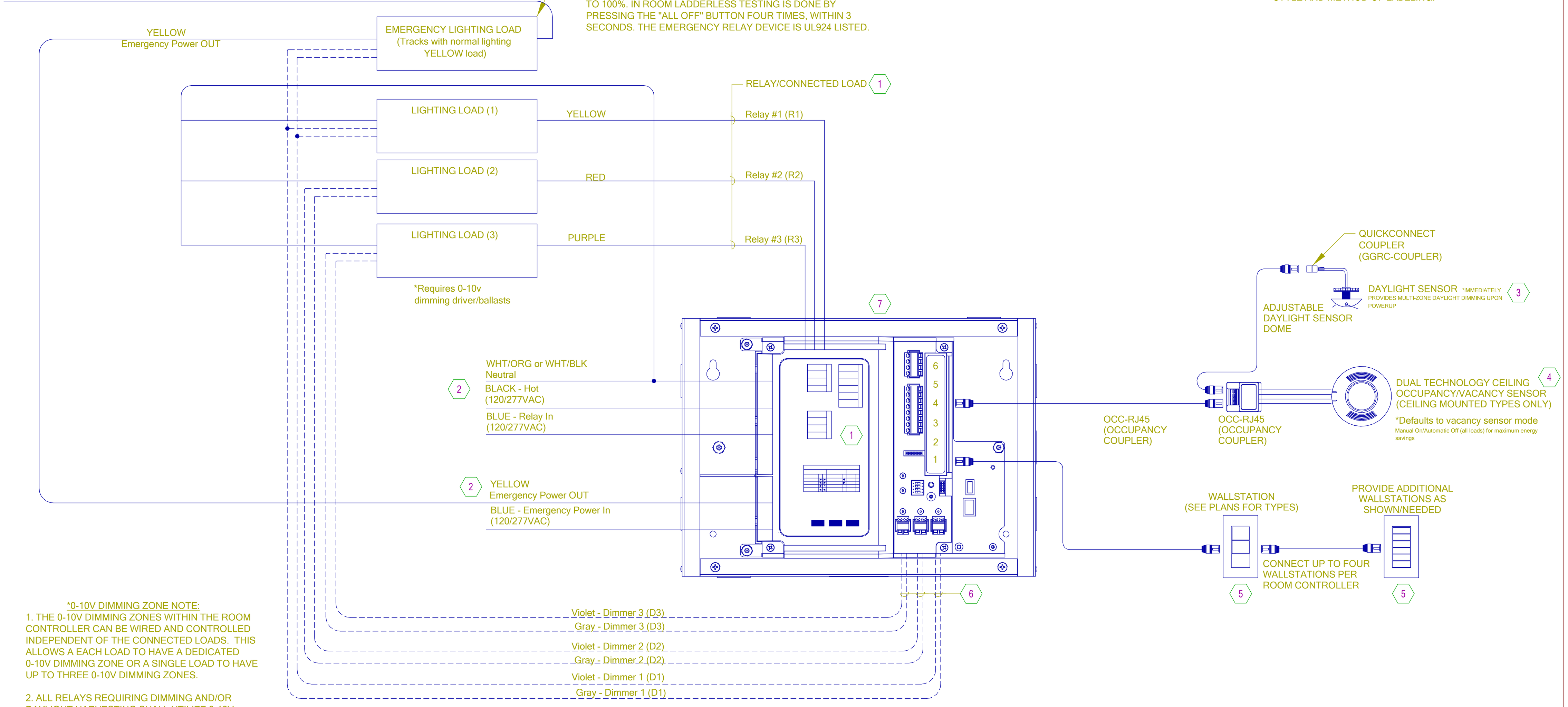
ELECTRICAL DIAGRAMS

E701 REV

GENERAL DIAGRAM NOTES:

1. THE LIGHTING CONTROLS AS SHOWN ARE BASED UPON EATON LIGHTING CONTROLS. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT. ANY SYSTEM DIFFERENT FROM EATON THAT REQUIRES ADDITIONAL RELAYS NOT SHOWN ON PLANS DUE TO LACK OF SEPARATION OF RELAYS AND DIMMING ZONES MUST BE ACCOUNTED FOR AND PROVIDED IN THE BID AND MUST FUNCTION AS SIMILAR TO THAT WHICH IS REQUIRED IN FINAL INSTALLATION.
2. EXACT SPACE LAYOUTS VARY. SEE PLANS FOR APPROXIMATE EQUIPMENT LOCATIONS AND QUANTITY.
3. ALL ROOM CONTROLLERS SHALL ALLOW FOR TYPICAL 0-10V DIMMING, DAYLIGHT HARVESTING AND OCCUPANCY SENSING. INDEPENDENT DIMMING AND OVERRIDE OF EACH ZONE IS REQUIRED.
4. EACH ROOM CONTROLLER SHALL BE ABLE TO BE INDEPENDENTLY PROGRAMMED ON-SITE.
5. PROVIDE EMERGENCY LIGHTING CONTROL UNIT IN ROOMS/AREAS THAT SHOW EMERGENCY LIGHTING BEING CONTROLLED IN CONJUNCTION WITH NORMAL LIGHTING.
6. ALL CEILING-MOUNTED OCCUPANCY SENSORS SHALL BE PROVIDED WITH AN AUXILIARY CONTACT FOR HVAC CONTROL.
7. PROVIDE A UL 924 RELAY AS SPECIFIED FOR AUTOMATIC EMERGENCY LIGHTING CONTROL. THE UL 924 RELAY AUTOMATICALLY TRACKS WITH RELAY 1 AND CAN BE CONNECTED TO ANY OF THE THREE 0-10V DIMMERS. THE UL 924 RELAY AUTOMATICALLY CLOSES AND DISCONNECTS THE 0-10V CONTROL OPEN LOSS OF NORMAL POWER PROVIDING ADEQUATE EGRESS LIGHTING CONTROL. LADDERLESS MAINTENANCE TESTING OF THE UL 924 RELAY CAN BE ACHIEVED BY PRESSING THE ALL OFF BUTTON FOUR TIMES.
8. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, INTERCOM, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC, NEC 800.12/300.11. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORTS NOT ALLOWED.

EMERGENCY NOTE: EMERGENCY LOAD TRACKS WITH NORMAL LIGHTING.YELLOW LOAD FOR ON/OFF. IF DIMMING IT WILL BE ADJUSTED WITH THE DIMMING ZONE IT IS GROUPED WITH. UPON LOSS OF NORMAL POWER TO THE RELAY, THE EMERGENCY LOAD WILL BE FORCED ON AND FULL BRIGHT TO 100%. IN ROOM LADDERLESS TESTING IS DONE BY PRESSING THE "ALL OFF" BUTTON FOUR TIMES, WITHIN 3 SECONDS. THE EMERGENCY RELAY DEVICE IS UL924 LISTED.



*0-10V DIMMING ZONE NOTE:
1. THE 0-10V DIMMING ZONES WITHIN THE ROOM CONTROLLER CAN BE WIRED AND CONTROLLED INDEPENDENT OF THE CONNECTED LOADS. THIS ALLOWS A EACH LOAD TO HAVE A DEDICATED 0-10V DIMMING ZONE OR A SINGLE LOAD TO HAVE UP TO THREE 0-10V DIMMING ZONES.

2. ALL RELAYS REQUIRING DIMMING AND/OR DAYLIGHT HARVESTING SHALL UTILIZE 0-10V DIMMING. PROVIDE 0-10V DIMMING WIRING AND CONTROLS AS REQUIRED.

DIAGRAM S001 TYPICAL ROOM CONTROLLER, DAYLIGHTING, 0-10V DIMMING, 1, 2, 3, EM RELAY (1)
NTS

KEYED NOTES:

1. EXACT ROOM CONTROLLER MODEL WILL VARY. PROVIDE THE CORRECT ROOM CONTROLLER MODEL BASED UPON WHAT IS SHOWN ON PLANS AND WHAT IS REQUIRED FOR PROPER LIGHTING CONTROL SEQUENCING.
2. SEE LIGHTING PLANS FOR BRANCH CIRCUIT REQUIREMENTS.
3. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2015 C405.2.2.3. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE ROOM FOR PROPER COVERAGE. PROVIDE ADDITIONAL DIMMING ZONES/RELAYS AND WIRING TO CONTROL THE DAYLIGHTING ZONE SEPARATE FROM THE FIXTURES OUTSIDE THE DAYLIGHT ZONE.
4. PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. LOCATE OCCUPANCY SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
5. PROVIDE LOW VOLTAGE WALLSTATION AS SEE DIAGRAM FOR WALLSTATION LAYOUT AND CONFIGURATION.
6. IF INDICATED, SEE DRAWINGS FOR DIMMING ZONES REQUIRED e.g. 'D1', 'D2', 'D3'.
7. MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED DEVICES. PROVIDE INDICATOR LABELING ON CEILING TILE NEAREST THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD OF LABELING.

INTERIOR LIGHTING
EXTERIOR LIGHTING
ALL OFF

WALLSTATION 'LC1' CONFIGURATION

ENGRAVING	PROGRAMMING
INTERIOR LIGHTING	BUTTON SHALL PROVIDE ON/OFF CONTROL OF RELAYED CONTROLLED INTERIOR LIGHTS.
EXTERIOR LIGHTING	BUTTON SHALL PROVIDE ON/OFF CONTROL OF BUILDING EXTERIOR AND VESTIBULE LIGHTS.
EGRESS LIGHTING	BUTTON SHALL PROVIDE ON/OFF CONTROL OF EMERGENCY RELAYED CONTROLLED INTERIOR LIGHTS.
PARKING LOT	BUTTON SHALL PROVIDE ON/OFF CONTROL OF EXTERIOR OF PARKING LOT LIGHTING
ALL OFF	BUTTON SHALL TURN OFF ALL RELAYED CONTROLLED LIGHTING.

CONTROL SEQUENCE

ALL LIGHTS CONTROLLED BY THE BUILDING RELAY PANELS SHALL BE PROGRAMMED TO MEET THE REQUIREMENTS OF THE IECC 2015. INTERIOR AND EXTERIOR LIGHTING SHALL BE SCHEDULED TO BE TURNED ON/OFF AT SCHEDULED TIMES. COORDINATE WITH OWNER FOR EXACT SCHEDULING REQUIREMENTS. WALLSTATION 'LC1' SHALL BE UTILIZED TO OVERRIDE PROGRAMMED SCHEDULES AS NEEDED. OVERRIDE TO LAST UP TO 4 HOURS.

ENTRY DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS BASED ON AVAILABLE NATURAL LIGHT LEVELS.

ALL ON
75% LIGHTS
50% LIGHTS
RAISE
LOWER
ALL OFF

WALLSTATION 'LC2' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN LIGHTING THE FOLLOWING RELAYS ON: RPB3-2,3,14,15 10. ALL DIMMING ZONES TO 100%.
75% LIGHTS	BUTTON SHALL TURN LIGHTING THE FOLLOWING RELAYS ON: RPB3-2,3,14,15 10. ALL DIMMING ZONES TO 75%.
50% LIGHTS	BUTTON SHALL TURN LIGHTING THE FOLLOWING RELAYS ON: RPB3-2,3,14,15 10 ALL DIMMING ZONES TO 50%.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL RELAY RPB3-15 ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. MASTER CLOCK TO TURN OFF LIGHTS AFTER SCHEDULED TIME. SEE RELAY PANEL SCHEDULE 'RPB3' FOR MORE PROGRAMMING REQUIREMENTS.

GENERAL DIAGRAM NOTES:

1. ALL PROGRAMING SHALL MEET THE REQUIREMENTS OF THE IECC 2017 OR CURRENT ENERGY CODE APPLIED TO THE PROJECT.
2. THE LIGHTING CONTROLS AS SHOWN ARE BASED UPON EATON LIGHTING CONTROLS. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT. SEE PRIOR APPROVAL NOTES.
3. COORDINATE ALL INSTALLATION REQUIREMENTS, CONNECTIONS AND CABLE TYPE WITH THE SUPPLIER PRIOR TO ANY INSTALLATION.
4. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER C405.2.2.3.
5. PROVIDE INTUITIVE BUTTON LABELING TO MATCH APPLICATION AND LOAD/RELAY CONTROLS. PROVIDE FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS. DEVICE AND COVERPLATE COLORS AS SELECTED BY ARCHITECT.
6. PROGRAM OF ALL LIGHTING CONTROL SYSTEMS AS INDICATED AND/OR AS DIRECTED BY THE ELECTRICAL ENGINEER AND/OR OWNER. MEET WITH THE ELECTRICAL ENGINEER AT THEIR OFFICE PRIOR TO PREPARATION OF SHOP DRAWINGS TO DISCUSS SPECIFIC PROGRAMMING AND ZONING REQUIREMENTS OF SYSTEM(S). EACH NETWORKED OR STANDALONE SYSTEM SHALL BE PROGRAMMED TO REVERT BACK TO ITS NORMAL "ON" POSITION ONE HOUR AFTER SELECTING A SCENE OR RAISING OR LOWERING A LIGHTING ZONE.

DIAGRAM S001 RELAY CONTROL PANEL WALLSTATION LAYOUTS & LIGHTING CONTROLS SEQUENCES
NTS

(MOTION AND DAYLIGHT SENSOR)
ON/OFF
LOWER RAISE

WALL SWITCH 'D' CONFIGURATION

ENGRAVING	PROGRAMMING
ON/OFF	BUTTON SHALL TOGGLE ON/OFF LIGHTING LOAD.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE LIGHT LEVELS
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE LIGHT LEVELS

CONTROL SEQUENCE

UPON ENTERING THE SPACE, THE INTEGRAL OCCUPANCY SENSOR SHALL TURN LIGHTING ON TO 50% LIGHT LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE, THE INTEGRAL DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCY/TIME OUT. DISABLE PHOTOCELL/ADAPTIVE DAYLIGHT HARVESTING MODE IN ROOMS THAT DO NOT REQUIRE DAYLIGHTING.

ALL ON/OFF
TEACHING WALL
RAISE
LOWER

WALLSTATION 'RC1' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON /OFF	BUTTON SHALL TOGGLE ALL LIGHTING RELAYS ON/OFF ALL DIMMING ZONES TO 100%.
TEACHING WALL	BUTTON SHALL TURN OFF RELAYS NEAR TEACHING WALL/AV SCREEN, TOGGLE ALL DIMMERS TO 20%.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCY/TIME OUT.

ALL ON
RAISE
LOWER
ALL OFF

WALLSTATION 'RC2' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCY/TIME OUT.

ALL ON/OFF
PENDANTS
RAISE
LOWER
STUD.RAISE
STUD.LOWER

WALLSTATION 'RC3' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON/OFF	BUTTON SHALL TOGGLE TURN ON/OFF ALL LIGHTING RELAYS, ALL DIMMING ZONES TO 100% WHEN TOGGLED ON.
PENDANTS	BUTTON SHALL TOGGLE ON/OFF PENDANT LIGHTING (RELAY 'b')
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES
STUD. RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE DIMMING ZONE 'c'
STUD. LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONE 'c'

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCY/TIME OUT.

ALL ON
ALL OFF

WALLSTATION 'RC4' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON	BUTTON SHALL TURN ALL LIGHTING RELAYS ON, ALL DIMMING ZONES TO 100%.
ALL OFF	BUTTON SHALL TURN ALL LIGHTING LOADS OFF

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 100% LIGHTING LEVEL. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCY/TIME OUT.

ALL ON/OFF
TEACHING WALL 1
TEACHING WALL 2
RAISE
LOWER

WALLSTATION 'RC5' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON /OFF	BUTTON SHALL TOGGLE ALL LIGHTING RELAYS ON/OFF ALL DIMMING ZONES TO 100%.
TEACHING WALL 1	BUTTON SHALL TURN OFF RELAYS NEAR TEACHING WALL/AV SCREEN (b), TOGGLE ALL DIMMERS TO 20%.
TEACHING WALL 2	BUTTON SHALL TURN OFF RELAYS NEAR TEACHING WALL/AV SCREEN (d), TOGGLE ALL DIMMERS TO 20%.
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES LEVELS.
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES LEVELS.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCY/TIME OUT.

ALL ON/OFF
EAST GYM
WEST GYM
RAISE
LOWER
AV

WALLSTATION 'RC6' CONFIGURATION

ENGRAVING	PROGRAMMING
ALL ON/OFF	BUTTON SHALL TOGGLE TURN ON/OFF ALL LIGHTING RELAYS, ALL DIMMING ZONES TO 100% WHEN TOGGLED ON.
EAST GYM	BUTTON SHALL TOGGLE ON/OFF ALL FIXTURES WITHIN THE EAST GYM RELAY "a"
WEST GYM	BUTTON SHALL TOGGLE ON/OFF ALL FIXTURES WITHIN THE WEST GYM RELAY "b"
RAISE	PRESS AND HOLD - BUTTON SHALL INCREASE ALL DIMMING ZONES
LOWER	PRESS AND HOLD - BUTTON SHALL DECREASE ALL DIMMING ZONES
AV	BUTTON SHALL TOGGLE ALL DIMMING ZONES TO 20%

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCY/TIME OUT.

ON/OFF DOWNLIGHTS
ON/OFF PENDANT
RAISE DOWNLIGHTS
LOWER DOWNLIGHTS
RAISE PENDANT
LOWER PENDANT

WALLSTATION 'RC8' CONFIGURATION

ENGRAVING	PROGRAMMING
ON/OFF DOWNLIGHTS	BUTTON SHALL TOGGLE AREA 'a' LIGHTING RELAYS ON/OFF ALL DIMMING ZONES TO 100%.
ON/OFF PENDANT	BUTTON SHALL TOGGLE AREA 'b' RELAYS ON/OFF ALL DIMMING ZONES TO 100%.
RAISE DOWNLIGHTS	PRESS AND HOLD - BUTTON SHALL INCREASE AREA 'a' DIMMING ZONE LEVEL.
LOWER DOWNLIGHTS	PRESS AND HOLD - BUTTON SHALL DECREASE AREA 'a' DIMMING ZONE LEVEL.
RAISE PENDANT	PRESS AND HOLD - BUTTON SHALL INCREASE AREA 'b' DIMMING ZONE LEVEL.
LOWER PENDANT	PRESS AND HOLD - BUTTON SHALL DECREASE AREA 'b' DIMMING ZONE LEVEL.

CONTROL SEQUENCE

UPON ENTERING THE SPACE, OCCUPANCY SENSOR SHALL TURN LIGHTS ON TO 50% LIGHTING LEVEL. OCCUPANT THEN CAN SET LIGHT LEVELS BASED UPON AVAILABLE SCENES. IF APPLICABLE THE DAYLIGHT SENSOR SHALL ADJUST LIGHT LEVELS IN THE DAYLIGHTING CONTROL ZONE BASED ON AVAILABLE NATURAL LIGHT LEVELS. OCCUPANCY SENSOR WILL TURN OFF LIGHTS AFTER VACANCY/TIME OUT.

GENERAL DIAGRAM NOTES:

1. ALL PROGRAMING SHALL MEET THE REQUIREMENTS OF THE IECC 2017 OR CURRENT ENERGY CODE APPLIED TO THE PROJECT.
2. THE LIGHTING CONTROLS AS SHOWN ARE BASED UPON EATON LIGHTING CONTROLS. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT. SEE PRIOR APPROVAL NOTES.
3. COORDINATE ALL INSTALLATION REQUIREMENTS, CONNECTIONS AND CABLE TYPE WITH THE SUPPLIER PRIOR TO ANY INSTALLATION.
4. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER C405.2.2.3.
5. PROVIDE INTUITIVE BUTTON LABELING TO MATCH APPLICATION AND LOAD/RELAY CONTROLS. PROVIDE FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS. DEVICE AND COVERPLATE COLORS AS SELECTED BY ARCHITECT.
6. PROGRAM OF ALL LIGHTING CONTROL SYSTEMS AS INDICATED AND/OR AS DIRECTED BY THE ELECTRICAL ENGINEER AND/OR OWNER. MEET WITH THE ELECTRICAL ENGINEER AT THEIR OFFICE PRIOR TO PREPARATION OF SHOP DRAWINGS TO DISCUSS SPECIFIC PROGRAMMING AND ZONING REQUIREMENTS OF SYSTEM(S). EACH NETWORKED OR STANDALONE SYSTEM SHALL BE PROGRAMMED TO REVERT BACK TO ITS NORMAL "ON" POSITION ONE HOUR AFTER SELECTING A SCENE OR RAISING OR LOWERING A LIGHTING ZONE.

DIAGRAM S002 ROOM CONTROLLER TYPE WALLSTATION LAYOUTS & LIGHTING CONTROLS SEQUENCES
NTS

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BRIAN HICKS
No. 7709037-2202
1/19/2024
STATE OF UTAH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

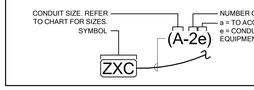
7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

ELECTRICAL DIAGRAMS

E702 REV

CONDUIT SCHEDULE LEGEND:

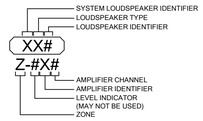


CONDUIT SIZE CHART
A = 3/4" CONDUIT
B = 1" CONDUIT
C = 1-1/4" CONDUIT
D = 1-1/2" CONDUIT
E = 2" CONDUIT
F = 4" CONDUIT

ROUGH-IN JUNCTION BOX LEGEND:

JUNCTION BOX SIZE
A = 4" SQ. 2-1/8" DEEP JUNCTION BOX
B = 4-11/16" SQ. JUNCTION BOX
C = CUSTOM JUNCTION BOX, SEE SCHEDULE FOR SIZE
D = HUBBELL - HBL260/HBL985

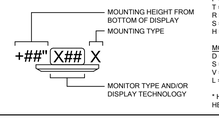
LOUDSPEAKER LEGEND:



LOUDSPEAKER TYPES
A = ARRAY, CABINET, CLUSTER
C = CEILING RECESSED
P = PENDANT MOUNTED
R = WALL RECESSED
S = CEILING SURFACE MOUNTED
W = WALL SURFACE MOUNTED

SYSTEM LOUDSPEAKER IDENTIFIER
BLANK = SYSTEM SPECIFIC
I = INTERCOM SYSTEM
SM = SOUND MASKING SYSTEM

FLAT PANEL MONITOR LEGEND:

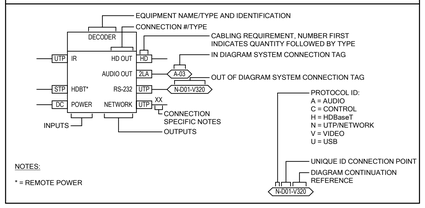


MOUNT TYPES
CLG = CEILING (POLE) MOUNT
F = FLAT MOUNT
T = TILT MOUNT
R = RECESSED MOUNT
S = ARTICULATING MOUNT
H = ADJUSTABLE HEIGHT MOUNT*

MONITOR TYPES
D = TYPICAL COMMERCIAL GRADE
S = INTERACTIVE COMMERCIAL GRADE
V = VIDEO WALL (SLIM BEZEL)
L = DIRECT VIEW LED PRODUCT

* HEIGHT INDICATED IS THE MAX HEIGHT, MOUNT SHALL ADJUST DOWN

SIGNAL FLOW LEGEND:



NOTES:

* = REMOTE POWER

CABLING GROUPS AND CONDUIT SEPARATION SCHEDULE

AUDIO AND VIDEO WIRING TYPES:

AUDIO AND VIDEO SYSTEM WIRING IS DIVIDED INTO WIRING GROUPS ACCORDING TO THEIR NOMINAL LEVELS:

GROUP	WIRING TYPE
GROUP 1	FIBER OPTIC CABLE
GROUP 2	O mV TO 100 mV SIGNALS, EXAMPLE: MICROPHONE LEVEL SIGNAL
GROUP 3	100 mV TO 10 V SIGNALS, EXAMPLE: LINE-LEVEL SIGNAL
GROUP 4	10 V TO 70 V SIGNALS, EXAMPLE: SPEAKER LEVEL SIGNAL
GROUP 5	CONTROL, DIGITAL CIRCUITS, DATA AND VIDEO

NOTE: GROUPS LISTED ABOVE SHALL NEVER BE COMBINED WITHIN THE SAME CONDUIT

AUDIO AND VIDEO CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING WIRING OF DIFFERENT AUDIO AND VIDEO GROUPS IS AS FOLLOWS:

GROUP	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
GROUP 1	ADJACENT	ADJACENT	ADJACENT	ADJACENT	ADJACENT
GROUP 2	ADJACENT	ADJACENT	6"	12"	12"
GROUP 3	ADJACENT	6"	ADJACENT	12"	6"
GROUP 4	ADJACENT	12"	12"	ADJACENT	6"
GROUP 5	ADJACENT	12"	6"	6"	ADJACENT

NOTE: NINETY DEGREE CROSSING IN CLOSE PROXIMITY IS PERMITTED.

ELECTRICAL CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING AUDIO AND VIDEO WIRING AND OTHER ELECTRICAL SERVICE CONDUIT IS AS FOLLOWS:

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5
277/480V AC CIRCUIT	ADJACENT	24"	24"	24"	24"
120/208V AC CIRCUIT	ADJACENT	24"	12"	12"	24"

NOTE: CONDUITS SHALL NOT RUN MORE THAN 20 FEET IN PARALLEL WITHIN THE GIVEN DISTANCES ABOVE.

AUDIOVISUAL CABLE AND CONDUIT SCHEDULE

NOTES:

1. APPROVED EQUALS FROM OTHER MANUFACTURERS ARE BELDEN, GEPCO/GENERAL, ICE, KRAMER, EXTRON, CRESTRON, LIBERTY CABLE, AND WINDY CITY WIRE.
2. PROVIDE PLENUM RATED CABLES IN ANY "AIR HANDLING" SPACES E.G. ABOVE CEILINGS, RAISED FLOORS, CHASES, ETC.
3. CABLE QUANTITY INDICATED ON DRAWINGS SHOWS ON FINAL RUN. IF NOT NOTED PROVIDE CABLING FOR SINGLE DEVICE.
4. CONDUIT REQUIREMENTS SHOWN ARE MINIMUM CONDUIT SIZE REQUIRED FOR A SINGLE CABLE, UNLESS OTHERWISE NOTED ON DRAWINGS. NUMBER OF CABLES LISTED IS THE MAXIMUM AMOUNT ALLOWED FOR CONDUIT SIZE INDICATED.
5. WHEN COMBINING CABLE TYPES OF THE SAME GROUP, THE TYPE WITH THE LARGEST CONDUIT REQUIREMENT DICTATES CONDUIT SIZE.
6. PROVIDE ON ALL HDMI CABLES LONGER THAN 35' OR WITH MORE THAN (3) CONNECTION POINTS (1) ACTIVE HDMI EXTENSION DEVICE.
7. ALL CATEGORY CABLE SHALL BE TESTED AND CERTIFIED TO ANSI/TIA/EIA-568C AND IEEE 802.3an STANDARDS USING A LEVEL IIIe TESTER.
8. REFER TO SPECIFICATIONS FOR STP CABLE REQUIREMENTS. ALL UNSHIELDED (UTP) CATEGORY CABLES WITHIN THE PROJECT SHALL BE SUPPLIED FROM A SINGLE MANUFACTURER AND MATCH MAKE/MODEL.
9. HDMI CABLES ARE INTENDED TO PASS 4K 60 4:4:4 FROM SOURCE TO DESTINATION. CONTRACTOR TO VERIFY THE LENGTH OF ALL CABLES USED MEET THIS REQUIREMENT.

* INDICATES DEFAULT CABLE IF MANUFACTURER DOES NOT RECOMMEND A SPECIFIC CABLE.
** INDICATES DEFAULT CABLE IF HORIZONTAL CABLING IS EXCLUDED FROM THE PROJECT AND NOT OWNER PROVIDED.

CABLE TYPE	DESCRIPTION	CONDUIT REQUIREMENTS	MANUFACTURER	MODEL NUMBER	CABLE GROUP
(#)AT	ANTENNA, COAXIAL RG8X	1" CONDUIT = (7) CABLES 1 1/2" CONDUIT = (12) CABLES	WEST PENN	807 *	5
(#)CT	CONTROL, 2/22 SHIELDED, 2/18 UNSHIELDED	1" CONDUIT = (7) CABLES 1 1/4" CONDUIT = (12) CABLES	WEST PENN	77350 * D25350 (P) *	5
(#)HD	HDMI < 20', ULTRA FLEXIBLE	1 1/4" CONDUIT = (1) CABLES 2" CONDUIT = (3) CABLES	EXTRON CRESTRON	HDMI ULTRA/## CBL-HD-##	5
(#)HD	HDMI > 20'	1 1/4" CONDUIT = (1) CABLES 2" CONDUIT = (3) CABLES	EXTRON KRAMER	HDMI PRO P/XX CP-HM/HM/ETH (P)	5
(#)LA (#)MA	LINE LEVEL, 22 AWG MICROPHONE, 22 AWG	1" CONDUIT = (23) CABLES 1 1/2" CONDUIT = (77) CABLES	WEST PENN	291 D25454 (P)	3 2
(#)MFB	MULTIMODE FIBER OPTIC	1" CONDUIT MINIMUM	PER SPEC	27 1500	1
(#)RG6	RG-6 COAXIAL CABLE	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (18) CABLES	WEST PENN	841 25841 (P)	5
(#)RG11	RG-11 COAXIAL CABLE	1" CONDUIT = (3) CABLES 1 1/4" CONDUIT = (6) CABLES	WEST PENN	821 D25821 (P)	5
(#)S12	SPEAKER, 12 AWG	1" CONDUIT = (3) CABLES 1 1/2" CONDUIT = (7) CABLES 2" CONDUIT = (11) CABLES	WEST PENN	227 25227B (P)	4
(#)S16	SPEAKER, 16 AWG	1" CONDUIT = (10) CABLES 1 1/4" CONDUIT = (17) CABLES	WEST PENN	225 25225B (P)	4
(#)SFB	SINGLE MODE FIBER OPTIC	1" CONDUIT MINIMUM	PER SPEC	27 1500	1
(#)STP	SHIELDED TWISTED PAIR, CAT 6A	1" CONDUIT = (4) CABLES 1 1/4" CONDUIT = (8) CABLES	PER MFG WEST PENN	4246AF * 254246AF (P) *	5
(#)UTP	UN-SHIELDED TWISTED PAIR CAT 6	1" CONDUIT = (9) CABLES 1 1/4" CONDUIT = (15) CABLES	PER SPEC WEST PENN	4246 ** 254246 (P) ** SPEC 27 1500	5
(#)VG	HIGH RESOLUTION VIDEO	1" CONDUIT = (1) CABLES 1 1/4" CONDUIT = (4) CABLES	WEST PENN	5CRGB 255CRGB (P)	5
(#)SDI	SERIAL DIGITAL INTERFACE (RG-6 COAX)	1" CONDUIT = (8) CABLES 1 1/2" CONDUIT = (18) CABLES	WEST PENN	841 25841 (P)	5
(#)USB	USB EXTENSION CABLE	1" CONDUIT = (3) CABLES 1 1/4" CONDUIT = (10) CABLES	CABLES TO GO	52108	5
(#)X#	MANUFACTURER PROPRIETARY CABLE	AS NOTED	SPEC. 27 4100	SPEC. 27 4100	NA

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MEP	MECHANICAL, ELECTRICAL AND PLUMBING
AFF	ABOVE FINISH FLOOR	MFG	MANUFACTURER
ARCH	ARCHITECTURE	MAX	MAXIMUM
AUX	AUXILIARY	MIC	MICROPHONE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
BC	BARE COPPER	MTG	MOUNTING
C	CONDUIT	N/A	NOT APPLICABLE
CATV	CABLE TELEVISION	NIC	NOT IN CONTRACT
CLG	CEILING	NTS	NOT TO SCALE
CNTR	CONTRACTOR	PLEN	PLENUM
CU	COPPER	(R)	RELOCATE
C/W	COMPLETE WITH	RECPT	RECEPTACLE
DWG	DRAWING	SPEC	SPECIFICATIONS
(E)	EXISTING	SPKR	SPEAKER
FT	FOOT	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
IG	ISOLATED GROUND	UG	UNDERGROUND
IN	INCH	UPS	UNINTERRUPTED POWER SUPPLY
J-BOX	JUNCTION BOX	W	WATTS
LTG	LIGHTING	W/O	WITHOUT

AUDIOVISUAL SYMBOL SCHEDULE

NOTES:

1. HEIGHT MEASURED TO BOTTOM OF THE DEVICE FROM FINISHED FLOOR.
2. HEIGHT MEASURED TO CENTER LINE OF THE DEVICE FROM THE FINISHED FLOOR.
3. REFER TO DIAGRAMS AND ELEVATIONS FOR CUSTOM ROUGH-IN REQUIREMENTS.
4. STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS.
5. ROUGH-IN TO BE HORIZONTAL.
6. ROUGH-IN TO BE INSTALLED ABOVE ACCESSIBLE CEILING.
7. ROUGH-IN TO BE INSTALLED ABOVE CEILING.
8. DEVICE IS TYPICALLY LOCATED IN MILLWORK, FURNITURE, BEHIND A MONITOR OR ABOVE A PROJECTOR.
9. ABOVE TABLE/COUNTER MOUNTED DEVICE.
10. REFER TO MANUFACTURER'S RECOMMENDED CABLE REQUIREMENTS FOR EXACT CABLE REQUIRED.
11. FOLLOW BICSI STANDARDS FOR CABLE ROUTING AND DISTANCES.
12. JUNCTION BOX INDICATED IS FOR MOST INSTALLATIONS. DEVICE WILL BE NOTED WHEN JUNCTION BOX SIZE REQUIREMENTS ARE DIFFERENT FROM INDICATED.
13. MOUNTING HEIGHT SHOWN IS FROM THE BOTTOM OF THE MONITOR TO THE FINISHED FLOOR.

GENERAL SCHEDULE NOTES:

A. TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED IN THIS SET OF DRAWINGS.
B. DEVICES WITH "A" ADJACENT TO IT INDICATE DEVICE TO BE COORDINATED WITH MILLWORK PRIOR TO ROUGH-IN.
C. ROUGH-IN JUNCTION BOX, CONDUIT, AND MOUNTING HEIGHT ARE DEFAULT REQUIREMENTS. REFER TO PLANS FOR SPECIFIC NOTES AND REQUIREMENTS FOR A SPECIFIC INSTANCE.
D. CONDUIT STUBBED INTO ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
E. CABLE FROM DEVICE TO BE HOMERUN TO DESTINATION WITHOUT SPLICES.

SYMBOL	DESCRIPTION	J-BOX	CONDUIT	MOUNTING HEIGHT	CABLE TYPE	NOTES
M#	MICROPHONE INPUT, WALL PLATE (M1/M2 = D1, M3/M4 = D2)	D1,D2	(1) 3/4"	RECEPTACLE HEIGHT	(#) MA	2,4.
AX	AUXILIARY INPUT, 3.5MM/RCA CONNECTION, WALL PLATE	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) LA	2,4.
T TS	AUDIO OUTPUT, WALL PLATE, T = XLR MALE CONNECTION, TS = 1/4 TS CONNECTION	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) LA	2,4.
MA	MICROPHONE INPUT WITH AUXILIARY INPUT, WALL PLATE	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) MA (1) LA	2,4.
MC	MICROPHONE INPUT, CEILING	D1	(1) 3/4"	CEILING	(1) MA	2,4.
MB	TABLE TOP BOUNDARY MICROPHONE		(1) 1/2"	ON TABLE/ MILLWORK	(1) MA	2,3,9.
MW	WALL MOUNTED, PUSH TO TALK MICROPHONE	D1	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
MDT	DUAL MICROPHONE INPUT, WALL PLATE, UTP TRANSMITTER EXTENDER	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) UTP	2,4.
MAT	MICROPHONE AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER EXTENDER	D1	(1) 3/4"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
MXT	MICROPHONE AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
MT	DUAL MICROPHONE INPUT/OUTPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D1	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
M2D	DUAL MICROPHONE INPUT/OUTPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
M4D	FOUR MICROPHONE INPUT WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	RECEPTACLE HEIGHT	(1) UTP	2,4,11.
AXT	BLUETOOTH AND AUXILIARY INPUT, WALL PLATE, UTP TRANSMITTER AUDIO ENCODER	D2	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,11.
CI	CREWCOM HEADSET INPUT, WALL PLATE	D1	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
CIS	CREWCOM WALL STATION, WALL PLATE	D3	(1) 3/4"	SWITCH HEIGHT	(1) MA	2,4.
BT	BLUETOOTH, WALL PLATE, AUDIO EXTENDER	D1	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,11.
VG	VGA INPUT, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) VG	2,4.
HD	HDMI INPUT, WALL PLATE	D1	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) HD (1) LA	2,4.
HV	HDMI AND VGA INPUT, WALL PLATE	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) HD (1) VG	2,4.
ENI	AVoIP ENCODER, WALL PLATE (# IDENTIFIES UNIQUE PLATES)	SCH	(1) 1"		(1) UTP	2,4,11.
DCI	AVoIP DECODER, WALL PLATE (# IDENTIFIES UNIQUE PLATES)	SCH	(1) 1"		(1) UTP	2,4,11.
TxH	HDBaseT, HDMI INPUT TRANSMITTER, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
TxD	HDBaseT, HDMI AND VGA TRANSMITTER, WALL PLATE	D2	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
TxM	HDBaseT, HDMI, DISPLAY PORT AND/OR VGA TRANSMITTER BOX, SURFACE MOUNTED			IN MILLWORK/ UNDER TABLE	(1) STP	2,4,11.
TxT	HDBaseT CATEGORY INPUT, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
RxH	HDBaseT, HDMI RECEIVER, WALL PLATE	D1	(1) 1"	AS NOTED	(1) STP	2,4,11.
US	USB INPUT, WALL PLATE, UTP EXTENSION	D1	(1) 1"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
Rx	HDBaseT RECEIVER DEVICE, SURFACE MOUNTED		(1) 1"	IN MILLWORK/ UNDER TABLE	(1) STP	2,4,8,11.
CHV	HDMI AND VGA TRANSMITTER, WALL PLATE (CLASSROOM SYSTEM)	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
CHD	DUAL HDMI TRANSMITTER, WALL PLATE (CLASSROOM SYSTEM)	D2	(1) 1 1/4"	RECEPTACLE HEIGHT	(1) STP	2,4,11.
HDU	HDMI AND USB TRANSMITTER, WALL PLATE	D1	(1) 1"	RECEPTACLE HEIGHT	(2) STP	2,4,11.
CAL	2-WAY INTERCOMMUNICATION PUSHBUTTON STATION	D1	(1) 3/4"	SWITCH HEIGHT	AS NOTED	2,7,10.
CSA	CLASSROOM SOUND AMPLIFICATION SYSTEM	D2	(1) 1 1/4" (1) 1"	+96" AFF/ AS NOTED		2,3.
IR	INFRARED SENSOR, WALL/CEILING	D1	(1) 3/4"	CEILING	(1) UTP OR (1) CT	2,6,11.
ALS	ASSISTIVE LISTENING SYSTEM ANTENNA/EMITTER, WALL/CEILING	A1	(1) 1"	AS NOTED	AS NOTED	2,6.
AT	AV ANTENNA, WALL/CEILING	D1	(1) 1"	AS NOTED	(1) AT	2,6.
V	VOLUME CONTROL	D1	(1) 1"	SWITCH HEIGHT	(1) S16	2,4.
SV	VOLUME CONTROL WITH SOURCE SELECTOR	D2	(1) 1"	SWITCH HEIGHT	(1) S16 (1) UTP	2,4,9,11.
TPT	TOUCH PANEL, TABLE TOP		(1) 1"	AS NOTED	(1) UTP	
TP#	TOUCH PANEL, WALL MOUNTED, REFER TO SPECIFICATIONS FOR TOUCH PANEL TYPE AND ORIENTATION	SCH	(1) 1"	SWITCH HEIGHT	(1) UTP	2,4,5,11.
KP#	KEYPAD, WALL MOUNTED, REFER TO SPECIFICATIONS FOR KEYPAD TYPE	SCH	(1) 1"	SWITCH HEIGHT	(1) CT or (1) UTP	2,4,10.
RS#	ROOM SCHEDULING TOUCHPANEL	SCH	(1) 1"	SWITCH HEIGHT	(1) STP	
TS#	TABLE/FURNITURE BOX, NUMBER REFERS TO TYPE, REFER TO SPECIFICATIONS/DIAGRAMS FOR REQUIREMENTS			IN MILLWORK	SEE DIAGRAMS.	
	LOUDSPEAKER, WALL MOUNTED	C#	(1) 3/4"	AS NOTED	(1) S16	2,4.
	LOUDSPEAKER, ARRAY, CABINET, CLUSTER	A0	(1) 3/4"	AS NOTED	(1) S12	2,4.
	LOUDSPEAKER, CEILING RECESSED OR PENDANT	C#	(1) 3/4"	CEILING	(1) S16	2,7.
SB#	SOUND BAR, REFER TO SPECIFICATIONS FOR TYPE	D1	(1) 1"	UNDER DISPLAY OR AS NOTED		1,5.
X##	DISPLAY, REFER TO SPECIFICATIONS FOR DISPLAY TYPE AND SIZE	PER SCH	(1) 1 1/4" (1) 1"	AS NOTED	AS NOTED	4,13.
SC#	PROJECTION SCREEN REFER TO SPECIFICATIONS FOR SCREEN TYPE AND SIZE	(2) A0	(1) 3/4"	CEILING OR WALL	(1) UTP	2,7.
P# P	PROJECTOR	D2	(1) 1 1/4"	CEILING OR AS NOTED	AS NOTED	2,6.
	AV CAMERA	C#	(1) 1"	AS NOTED	AS NOTED	1.
	EQUIPMENT CABINET/RACK	C#	SCH	AS NOTED		
	EQUIPMENT CEILING RACK	C#	SCH	AS NOTED		
	EQUIPMENT 2-POST CABINET/RACK	C#	SCH	AS NOTED		
GP#	PASS THROUGH PLATE, # = NUMBER OF GANGS	D#	(1) 1-1/2"	AS NOTED		2.
J	JUNCTION BOX, ABOVE ACCESSIBLE CEILING	A0	AS NOTED	AS NOTED		
C##	CUSTOM JUNCTION BOX, REFER TO SCHEDULE AND DIAGRAM FOR EQUIPMENT, JUNCTION BOX AND CONDUIT	SCH	SCH	AS NOTED	AS NOTED	
FB	FLOOR BOX - REFER TO ELECTRICAL DOCUMENTS FOR MAKE/MODEL - REFER TO DIAGRAMS FOR AV DEVICE LAYOUT		AS NOTED		AS NOTED	
PT	POKE THRU - REFER TO ELECTRICAL DOCUMENTS FOR MAKE/MODEL - REFER TO DIAGRAMS FOR AV DEVICE LAYOUT		(1) 1 1/2"		AS NOTED	
	CONDUIT RUN CONCEALED IN WALL OR CEILING		AS NOTED			
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		AS NOTED			
	CONDUIT UP		AS NOTED			
	CONDUIT DOWN		AS NOTED			
	CONDUIT STUB LOCATION		AS NOTED			
	CONDUIT/CIRCUIT CONTINUATION		AS NOTED			
####	DEVICE/EQUIPMENT TYPE CALLOUT					
	ELEVATION VIEW TAG (# = VIEW NUMBER, ## = SHEET NUMBER)					
	DIAGRAM CALLOUT TAG					

AUDIOVISUAL GENERAL NOTES

1. THIS SHEET SET SHOWS WORK AND MATERIALS BY DIVISION 26 AND DIVISION 27. SEE SPECIFICATIONS AND DRAWING NOTES FOR RESPONSIBILITY FOR EACH ITEM.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED PROVISIONS WITH THE PROJECT AV SYSTEMS INTEGRATOR PRIOR TO INSTALLATION OF AV SYSTEM ROUGH-IN. WHERE CONDUIT AND JUNCTION BOX PROVISIONS ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS, NOTIFY THE AV CONSULTANT IN WRITING OF THE REQUIREMENTS. WHERE MINOR MODIFICATIONS TO PROVISIONS ARE REQUIRED, THEY SHALL BE MADE AT NO ADDITIONAL COST AS A MATTER OF JOB COORDINATION.
3. BIDDERS SHALL THOROUGHLY ACQUAINT AND EXAMINE THE EXISTING PROJECT CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, INCLUDING THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. BIDDERS SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTION AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM AND BRING ANY DISCREPANCIES OR OMISSIONS FOUND IN THE DRAWINGS TO THE AV CONSULTANT'S ATTENTION BEFORE SUBMITTING BID.
4. AV SYSTEMS INTEGRATOR SHALL PROVIDE A FULLY FUNCTIONING SYSTEM IN EVERY RESPECT. ANY DISCREPANCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT AV CONSULTANT PRIOR TO BIDDING.
5. THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT, AND ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK, SHALL BE FURNISHED BY THE PROJECT AV SYSTEMS INTEGRATOR.
6. NO CHANGES TO THE DESIGN SHALL BE MADE WITHOUT THE PROJECT AV CONSULTANT'S WRITTEN CONSENT.
7. WHERE APPLICABLE, AV SYSTEMS INTEGRATOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES.
8. REFER TO DRAWINGS FOR EXACT NUMBER OF COMPONENTS USED IF NOT SPECIFIED IN EQUIPMENT LIST.
9. COORDINATE EXACT SPEAKER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT AV CONSULTANT PRIOR TO BIDDING.
10. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL SPEAKERS AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND AV CONSULTANT PRIOR TO RELEASE.
11. INSTALL/SUSPEND ALL AUDIOVISUAL SYSTEMS EQUIPMENT IN COMPLIANCE WITH SEISMIC CODES, MANUFACTURER'S WRITTEN INSTRUCTIONS, AND INDUSTRY BEST PRACTICES. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
12. ALL TWISTED-PAIR (U/UTP, F/UTP, U/FTP, S/FTP) CATEGORY TYPE CABLING SHALL BE TERMINATED BY CERTIFIED DATA TECHNICIANS. TEST PER SPECIFICATIONS REQUIREMENTS AND PROVIDE DATA TO AV CONSULTANT.
13. ALL HDBaseT SIGNAL CABLING, TERMINATIONS, AND TERMINATION HARDWARE SHALL COMPLY WITH TIA/EIA WIRING CONFIGURATION T568 B. ALL HDBaseT SIGNAL CABLING SHALL BE SHIELDED/FOIL (SF/UTP) CATEGORY TYPE CABLE.
14. CONDUCT A RADIO FREQUENCY AUDIT OF THE SITE PRIOR TO SELECTING RF OPERATIONAL FREQUENCIES. AV SYSTEMS INTEGRATOR TO ENSURE INTERFERENCE FREE OPERATION OF ALL RF DEVICES. AV SYSTEMS INTEGRATOR SHALL COORDINATE AUDIT RESULTS WITH MANUFACTURER PRIOR TO PURCHASING RF EQUIPMENT.
15. PROVIDE RACK MOUNT KITS FOR ALL RACK MOUNTED EQUIPMENT. PROVIDE CUSTOM RACK MOUNT KITS WHEN NOT AVAILABLE FROM THE EQUIPMENT MANUFACTURER.
16. PROVIDE SURGE PROTECTION DEVICE (SPD) IN ALL AV EQUIPMENT RACKS.
17. ALL AV EQUIPMENT RACKS SHALL BE GROUNDED AND BONDED TO MEET OR EXCEED THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (NED), IEC 1000-5-2 ANSI/J-STD-607-A.
18. ALL AV EQUIPMENT SHALL BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
19. PROVIDE MANUFACTURER RECOMMENDED POWER SUPPLIES OR TRANSFORMERS FOR ALL SPECIFIED EQUIPMENT.
20. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR LACK OF COORDINATION WITH AV CONSULTANT AS ADDRESSED IN THE DOCUMENTS
21. UNLESS SPECIFICALLY SPECIFIED OR NOTED PROVIDE COMMERCIAL QUALITY EQUIPMENT, MATERIALS AND COMPONENTS DESIGNED FOR CONTINUOUS USE. CONSUMER QUALITY COMPONENTS ARE NOT ACCEPTABLE.

AUDIOVISUAL SHEET INDEX

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PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7399972-2202
1/9/2024
STATE OF UTAH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.: -
GSBS PROJECT NO.: 2023.043.00
ISSUED DATE: 01/22/2024

AUDIOVISUAL SYMBOLS, SCHEDULES AND NOTES

TA001 REV

AUDIOVISUAL GENERAL SHEET NOTES

1. CONTRACTOR TO VERIFY THAT ALL EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED AND RE-INSTALLED ARE IN WORKING CONDITIONS. CONTRACTOR IS TO PROVIDE OWNER WRITTEN DOCUMENTATION OF ANY ITEMS NOT IN WORKING CONDITION PRIOR TO COMMENCING WORK IN AN AREA.
2. CONTRACTOR SHALL PROTECT ALL EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT NOT INDICATED FOR REMOVAL. ELECTRICAL EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO: NETWORK AND COAXIAL CABLING, CONDUITS, AND ASSOCIATED JUNCTION BOXES FOR SYSTEMS.

SHEET KEYNOTES

V2 EXISTING EQUIPMENT TO BE LEFT AS IS.

V3 CREATE AND PROVIDE DOCUMENTATION OF EXISTING PROJECTION SCREEN LOCATION, INCLUDING MOUNTING HIGHT. REINSTALL THIS SCREEN AT THIS LOCATION.

V4 FUTURE SECURITY CAMERA PROVIDED BY OWNER. CONTRACTOR TO PROVIDE A 20FT WIPE FROM AV EQUIPMENT RACK FOR SECURITY CAMERA CONNECTION.

V5 LOCATE CEILING ENCLOSURE NEAR THE ENTRY DOOR, IN THE FIRST FULL TILE. CEILING ENCLOSURE SHALL OCCUPY ONLY ONE SIDE OF THE TILE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH LIGHTING, HVAC, AND SPRINKLER SYSTEM PRIOR TO ROUGH-IN.

V6 NEW PROJECTOR, MOUNT AS CLOSE TO 12' FROM PROJECTION SCREEN AS POSSIBLE. CENTER THE PROJECTION IMAGE WITH THE CENTER OF THE PROJECTION SCREEN.

V7 REINSTALL EXISTING LOUDSPEAKERS. CONTRACTOR TO PROVIDE ALL NEW CABLING BACK TO THE EQUIPMENT RACK. FOLLOW EXISTING PATHWAYS BACK TO THE AMPLIFIER FEEDING THIS AREA.

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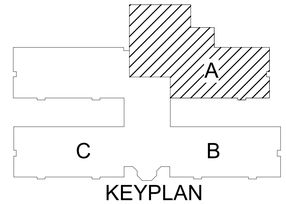
LEVEL 1 AUDIOVISUAL RCP PLAN - AREA A
SCALE = 1" = 10'-0"



KEYPLAN

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LEVEL 1 AUDIOVISUAL RCP PLAN - AREA A

TA201A REV

LEVEL 1 AUDIOVISUAL RCP PLAN - AREA B
SCALE = 1" = 10'-0"

AUDIOVISUAL GENERAL SHEET NOTES

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SHEET KEYNOTES

V3	CREATE AND PROVIDE DOCUMENTATION OF EXISTING PROJECTION SCREEN LOCATION, INCLUDING MOUNTING HIGHT. REINSTALL THIS SCREEN AT THIS LOCATION.
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V6	NEW PROJECTOR. MOUNT AS CLOSE TO 12' FROM PROJECTION SCREEN AS POSSIBLE. CENTER THE PROJECTION IMAGE WITH THE CENTER OF THE PROJECTION SCREEN.

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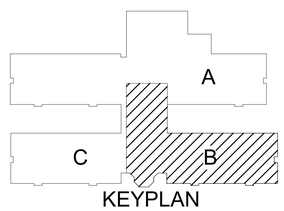

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LEVEL 1 AUDIOVISUAL RCP PLAN - AREA B

TA201B REV

LEVEL 1 AUDIOVISUAL RCP PLAN - AREA C
SCALE = 1" = 10'-0"

AUDIOVISUAL GENERAL SHEET NOTES

1. CONTRACTOR TO VERIFY THAT ALL EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED AND RE-INSTALLED ARE IN WORKING CONDITIONS. CONTRACTOR IS TO PROVIDE OWNER WRITTEN DOCUMENTATION OF ANY ITEMS NOT IN WORKING CONDITION PRIOR TO COMMENCING WORK IN AN AREA.
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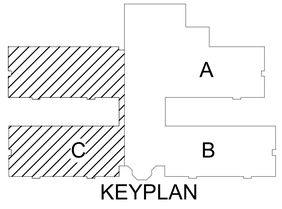

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LEVEL 1 AUDIOVISUAL RCP PLAN - AREA C

TA201C REV

AUDIOVISUAL GENERAL SHEET NOTES

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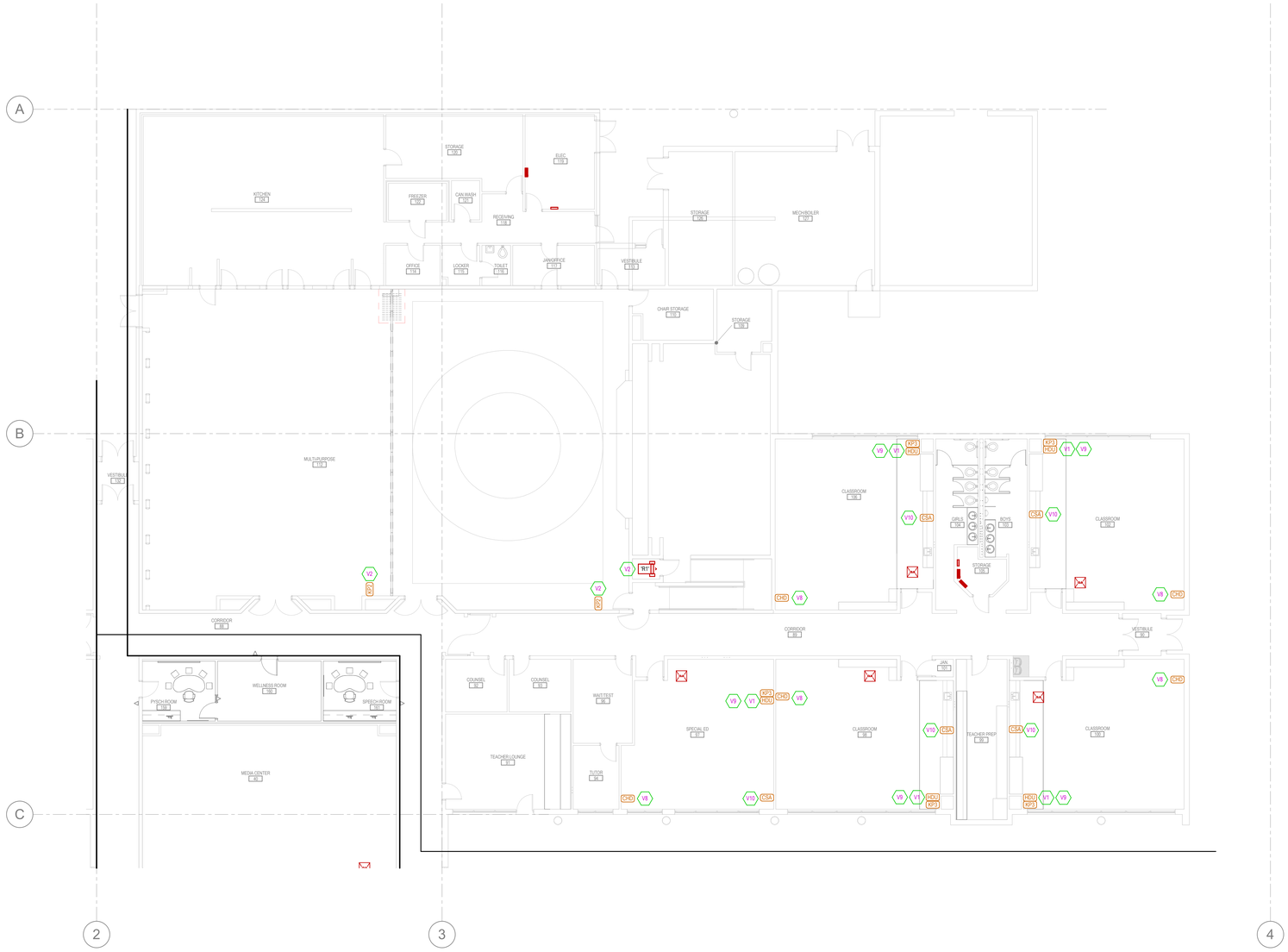
SHEET KEYNOTES

V1	REMOVE EXISTING VGA WALLPLATE AND REPLACE WITH NEW HDU. MOUNT KP3 AT SWITCH HEIGHT.
V2	EXISTING EQUIPMENT TO BE LEFT AS IS.
V8	COORDINATE EXACT LOCATION OF DEVICES WITH SECONDARY TEACHING STATION.
V9	PROVIDE A SURFACE MOUNT BOX DIRECTLY IN FRONT OF THE EXISTING JUNCTION BOX. CONTRACTOR TO RE-USE EXISTING RACEWAY TO ACCESSIBLE CEILING.
V10	REINSTALL EXISTING CSA BACK IN THE SAME LOCATION PRIOR TO DEMOLITION.



LEVEL 1 AUDIOVISUAL PLAN - AREA A
SCALE = 1" = 10'-0"

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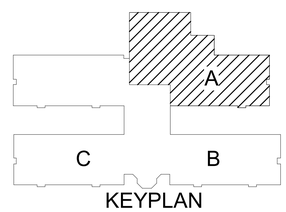

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LEVEL 1 AUDIOVISUAL PLAN - AREA A

TA301A REV

AUDIOVISUAL GENERAL SHEET NOTES

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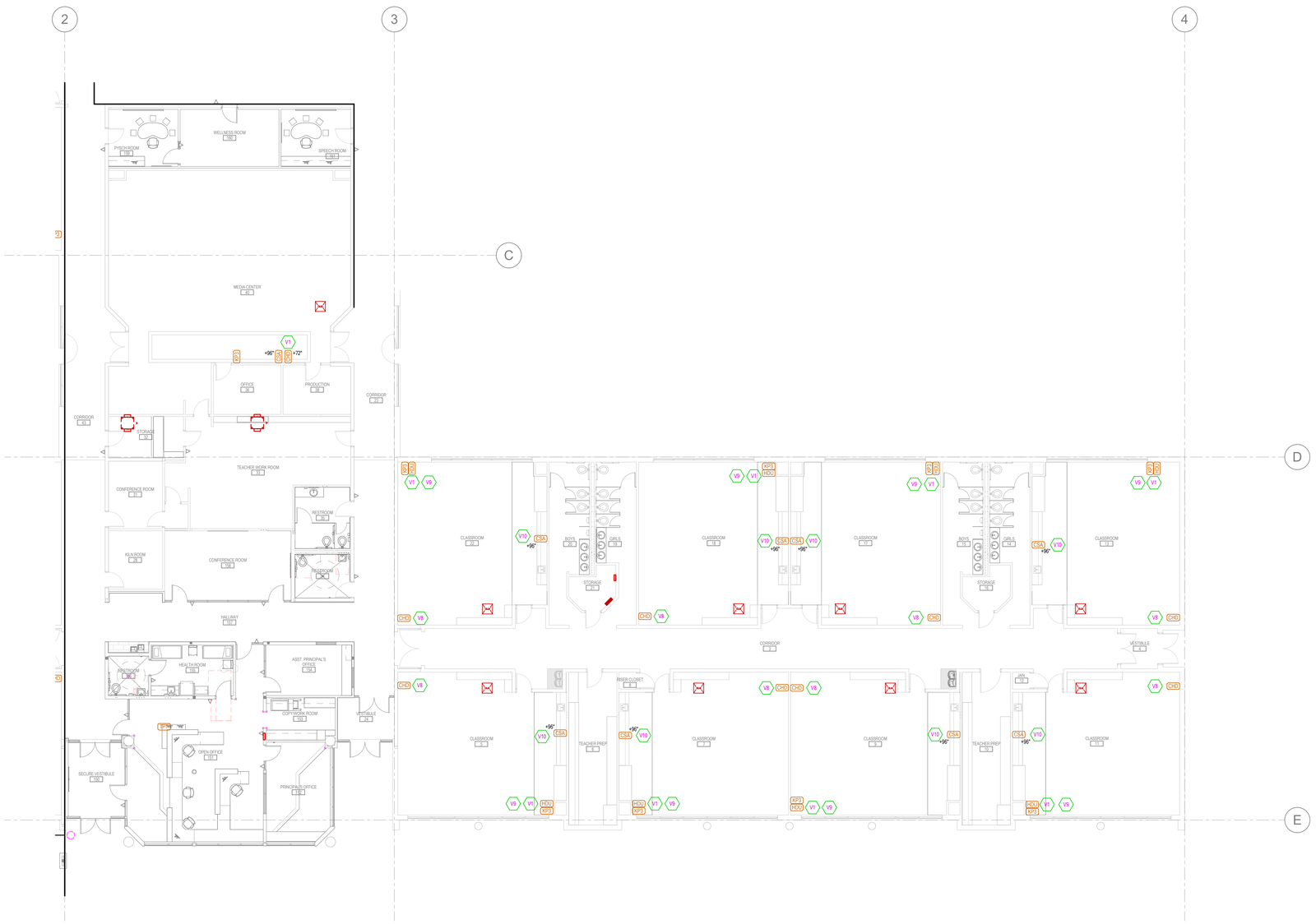
SHEET KEYNOTES

V1	REMOVE EXISTING VGA WALLPLATE AND REPLACE WITH NEW HDU. MOUNT KP3 AT SWITCH HEIGHT.
V8	COORDINATE EXACT LOCATION OF DEVICES WITH SECONDARY TEACHING STATION.
V9	PROVIDE A SURFACE MOUNT BOX DIRECTLY IN FRONT OF THE EXISTING JUNCTION BOX. CONTRACTOR TO RE-USE EXISTING RACEWAY TO ACCESSIBLE CEILING.
V10	REINSTALL EXISTING CSA BACK IN THE SAME LOCATION PRIOR TO DEMOLITION.



LEVEL 1 AUDIOVISUAL PLAN - AREA B
SCALE = 1" = 10'-0"

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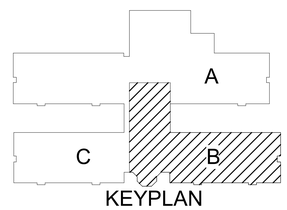

KEYPLAN

LEVEL 1 AUDIOVISUAL PLAN - AREA B

TA301B REV

AUDIOVISUAL GENERAL SHEET NOTES

1. CONTRACTOR TO VERIFY THAT ALL EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED AND RE-INSTALLED ARE IN WORKING CONDITIONS. CONTRACTOR IS TO PROVIDE OWNER WRITTEN DOCUMENTATION OF ANY ITEMS NOT IN WORKING CONDITION PRIOR TO COMMENCING WORK IN AN AREA.
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V10	REINSTALL EXISTING CSA BACK IN THE SAME LOCATION PRIOR TO DEMOLITION.

LEVEL 1 AUDIOVISUAL PLAN - AREA C
SCALE = 1" = 10'-0"

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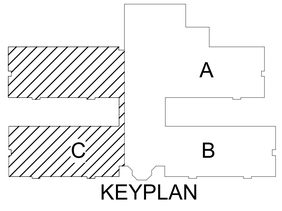

KEYPLAN

CONSTRUCTION DOCUMENTS

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LEVEL 1 AUDIOVISUAL PLAN - AREA C

TA301C REV

AUDIOVISUAL GENERAL SHEET NOTES

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SHEET KEYNOTES

V7	REINSTALL EXISTING LOUDSPEAKERS. CONTRACTOR TO PROVIDE ALL NEW CABLING BACK TO THE EQUIPMENT RACK. FOLLOW EXISTING PATHWAYS BACK TO THE AMPLIFIER FEEDING THIS AREA.
V15	EXISTING HEAD-END LOCATION.
V16	REINSTALL EXISTING INTERCOM LOUDSPEAKER.

LEVEL 1 INTERCOM PLAN

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

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BRIAN HICKS
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1/19/2024
STATE OF UTAH

CONSTRUCTION DOCUMENTS

RIVERTON ELEMENTARY REMODEL

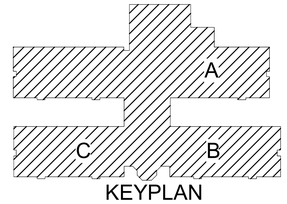
13150 S. 1830 W., RIVERTON, UT 84065

JORDAN SCHOOL DISTRICT

7905 SOUTH REDWOOD ROAD,
WEST JORDAN, UT 84088

OWNER PROJECT NO.:	-
GSBS PROJECT NO.:	2023.043.00
ISSUED DATE:	01/22/2024

INTERCOM RCP PLAN



KEYPLAN

TA401 REV

DIAGRAM NOTES:

1. LOCATE DEVICE AT PRIMARY TEACHING STATION.
2. LOCATE DEVICE AT SECONDARY TEACHING STATION.
3. PROVIDE POE INJECTOR, OR PROVIDE CABLING AND POWER SUPPLY.
4. INSTALL IN RACK 'RY'.
5. SECONDARY CHD/RECEIVER NOT IN MEDIA CENTER.
6. AUTO SWITCHER PRIORITY:
   A: PRIMARY TEACHING LOCATION
   B: CS
   C: SECONDARY TEACHING LOCATION

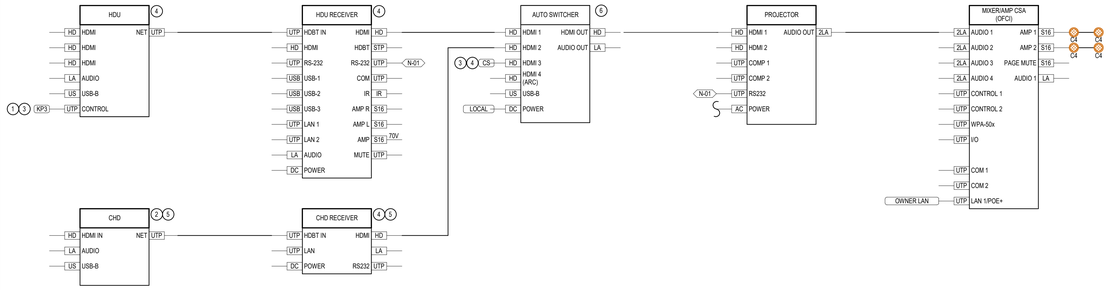


DIAGRAM V250 TYPICAL CLASSROOM AV SIGNAL FLOW

NTS

GENERAL DIAGRAM NOTES:

1. INTEGRATOR IS RESPONSIBLE TO ENSURE COMPLETE FUNCTIONALITY OF INTERCOM SYSTEMS IN ALL OCCUPIED AREAS OF THE SCHOOL THROUGHOUT ALL ZONES OF CONSTRUCTION. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORTSEISMIC WIRES FOR SUPPORT IS NOT ALLOWED. AT SERVICE LOOPS MAINTAIN PROPER BEND RADIUS ON ALL CABLE.
2. PROVIDE (1) PAGING MODULE FOR EACH CORRIDOR THAT WILL REQUIRE A SEPARATE ZONE. REFER TO DRAWINGS AND SPECIFICATIONS FOR ZONE DESIGNATION.
3. MULTIPLE ZONES SHALL NOT SHARE A SINGLE AMPLIFIER CHANNEL OR IP MODULE.
4. AMPLIFIER REFERENCES SHOWN ON PLANS ARE INTENDED TO SHOW ZONING INFORMATION NOT MULTI-CHANNEL AMPLIFIER REQUIREMENTS. REFER TO SPECIFICATIONS FOR AMPLIFIER REQUIREMENTS.
5. REFER TO FLOOR PLANS FOR QUANTITY OF CLASSROOMS REQUIRING CLASSROOM MODULE CONNECTIONS.
6. EXTERIOR LOUDSPEAKERS SHALL EACH BE HOME RUN BACK TO THE AMPLIFIER CHANNEL FOR THEIR ZONE. LABEL AND CONNECT THE ZONES AS INDICATED ON PLANS.

DIAGRAM NOTES:

1. PROVIDE (1) RELAY FROM INTERCOM SYSTEM TO ACCESS CONTROL SYSTEM. PROGRAM THIS RELAY TO TRIGGER A PREVENTATIVE LOCK DOWN. WHICH LOCKS THE OFFICE ENTRANCES. COORDINATE EXACT TERMINATION AND PROGRAMMING REQUIREMENTS WITH ACCESS CONTROL INSTALLER.
2. CONFIRM EXACT LOCATION OF DEVICE(S) WITH OWNER. REFER TO E SERIES SHEETS FOR LOCATION OF DATA CONNECTIONS.
3. REFER TO CLASSROOM SIGNAL FLOWS FOR ADDITIONAL REQUIREMENTS.
4. AMPLIFIERS ARE SHOWN FOR REFERENCE ONLY. COORDINATE WITH THE PLANS FOR ZONE REQUIREMENTS.
5. LOCATE NETWORK SWITCH(ES) IN THE ER/TR (MDF/IDF) FOR THE AREA REQUIRING DEVICE CONNECTION(S). NETWORK SWITCH(ES) WILL USE THE OWNERS BACKBONE FOR SIGNAL ROUTING BETWEEN EACH OTHER. REFER TO SPECIFICATIONS FOR NETWORK COORDINATION AND ADDITIONAL REQUIREMENTS.
6. ROOM SPECIFIC REQUIREMENT. REFER TO FLOOR PLANS FOR LOCATION AND REQUIREMENTS. ZONES UNDER 3 LOUDSPEAKERS MAY USE THE IP MODULES BUILT IN AMPLIFIER. ZONES WITH 3 AND MORE WILL REQUIRE AN ADDITIONAL AMPLIFIER.
7. EACH ZONE WILL REQUIRE AN UNIQUE IP MODULE TO COVER THAT ZONE. COMBINING IP MODULES FOR MULTIPLE ZONES IS NOT ALLOWED.

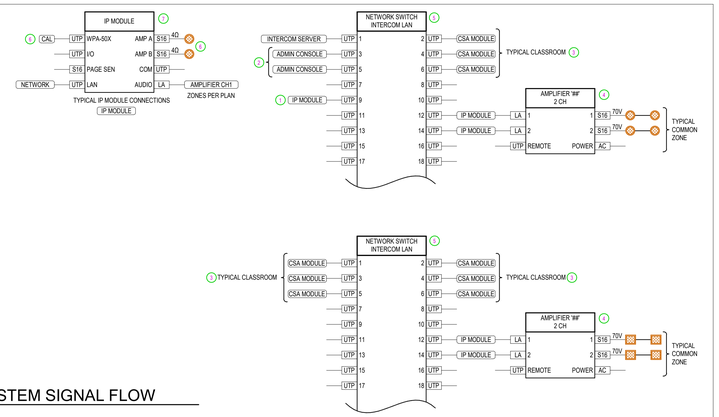


DIAGRAM V350 IP INTERCOM SYSTEM SIGNAL FLOW

NTS

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AUDIOVISUAL DIAGRAMS

TA701 REV