

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

DESIGN TEAM

OWNER

LOGAN CITY SCHOOL DISTRICT
101 W. CENTER ST.
LOGAN, UT 84321
PHONE: 435-755-2300
don.bell@loganschools.org
DON BELL

CM/GC

DWA SONSTRUCTION
76 W 2400 N
LOGAN, UT 84341
PHONE: 435-752-6860
wayne.a@dwaconstruct.com
WAYNE ANDERSON

ARCHITECT

DESIGN WEST ARCHITECTS
255 S 300 W
LOGAN, UT 84321
PHONE: 435-752-7031
stephenw@designwestarchitects.com
STEPHEN WILLIAMS

CIVIL

CACHE LANDMARK
95 GOLF COURSE RD #101
LOGAN, UT 84321
PHONE: 435-713-0099
lance@chachelandmark.com
LANCE ANDERSON

STRUCTURAL

ARW ENGINEERS
1594 PARK CIRCLE
OGDEN, UT 84404
PHONE: 801-782-6008
joshb@arwengineers.com
JOSH BLAZZARD

LANDSCAPE

DESIGN WEST ARCHITECTS
255 S 300 W
LOGAN UT, 84321
PHONE: 435-752-7031
kenia@designwestarchitects.com
KENI ALTHOUSE

ELECTRICAL

SINE SOURCE ENGINEERING
95 W GOLF COURSE RD STE: 102
LOGAN, UT 84321
PHONE: 435-787-1445
shanes@sinesource.net
SHANE SWENSON

MECHANICAL

VBFA
40 W CHANCE BALLEY BLVD.
BLDG 1, STE LOGAN, UT 84321
PHONE: 435-752--5081
rvernon@vbfa.com
RAY VERNON

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: CF
CHECKED BY: MR
ISSUED: 05.29.2025

COVER SHEET
G-001

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 2:04:21 PM Autodesk Docs://125054 - LCSD EEC Preschool Addition/125054 - LCSD - EEC Preschool Addition_R24.rvt

BID ALTERNATES

ALTERNATE NO. 1: SITE
1. BUS LANE
2. NEW PARKING LOT
3. RELOCATED PLAYGROUND
4. UPDATED SITE LANDSCAPING
5. SEE DRAWING SHEETS: C-600, C-601, C-611, C-621, C-631, C-651, C-652, C-653, L-611, L-600, L-621, L-651
6. SEE ELECTRICAL

ALTERNATE NO. 2: INTERIORS
1. REPLACE SQUARE P.E.T. FELT PANELS IN CORRIDORS WITH DECORATIVE P.E.T. DESIGNS NOTED IN THE BID ALTERNATE 2 ELEVATIONS.
2. REPLACE THE TWO SQUARE P.E.T. FELT PANES AT THE RECEPTION DESK WITH DECORATIVE LAMINATE AND P.E.T. FELT DESIGNS NOTED ON BID ALTERNATE 2 ELEVATIONS.
3. ADD DECORATIVE P.E.T. FELT DESIGN TO ENTRY OF THE MULTI-PURPOSE ROOM AS NOTED ON BID ALTERNATE 2 ELEVATIONS.
4. ADD DECORATIVE P.E.T. FELT PANELS TO THE MULTI-PURPOSE ROOM.
5. SEE DRAWING SHEETS: A-691, A-811, A-822

SHEET INDEX

GENERAL:	
G-001	COVER SHEET
G-002	PROJECT INFORMATION
G-003	CODE REVIEW
CIVIL	
C-001	DEMOLITION PLAN
C-101	SITE PLAN
C-201	CIVIL GRADING PLAN
C-301	CIVIL UTILITY PLAN
C-401	CIVIL UTILITY DETAILS
C-501	SITE DETAILS
C-502	CIVIL UTILITY DETAILS
C-601	BID ALT 1 DEMOLITION PLAN
C-611	BID ALT 1 SITE PLAN
C-621	BID ALT 1 GRADING PLAN
C-631	BID ALT 1 UTILITY PLAN
C-651	BID ALT 1 SITE DETAILS
C-652	BID ALT 1 SITE DETAILS
C-653	BID ALT 1 UTILITY DETAILS
LANDSCAPE:	
L-101	PLANTING PLAN
L-201	IRRIGATION PLAN
L-501	LADSCAPE DETAILS
L-611	BID ALT 1 PLANTING PLAN
L-621	BID ALT 1 IRRIGATION PLAN
L-651	BID ALT 1 LANDSCAPE DETAILS
STRUCTURAL	
S-001	STRUCTURAL NOTES
S-002	STRUCTURAL NOTES
S-003	SCHEDULES
S-004	SCHEDULES
S-101	FOOTING AND FOUNDATION PLAN
S-102	ROOF FRAMING PLAN
S-201	TYPICAL DETAILS
S-210	FOOTING AND FOUNDATION DETAILS
S-211	ROOF FRAMING DETAILS
S-212	ROOF FRAMING PLAN
S-401	SCHEMATIC REFERANCE
ARCHITECTURAL DEMO:	
AD-101	PLAN - DEMOLITION
AD-131	REFLECTED CEILING PLAN - DEMOLITION

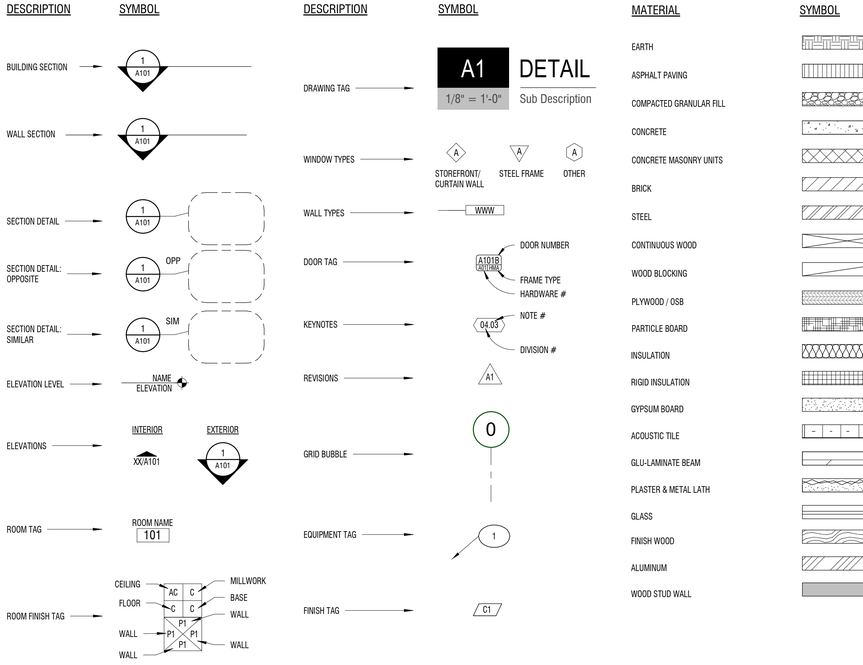
ARCHITECTURAL:	
A-100	OVERALL FLOOR PLAN
A-111.1	EXISTING - DIMENSION PLAN
A-111.2	EXISTING - ANNOTATION PLAN
A-111.3	EXISTING-FINISH PLAN
A-111.4	EXISTING-REFLECTED CEILING PLAN
A-121.1	ADDITION - DIMENSION PLAN
A-121.2	ADDITION - ANNOTATION PLAN
A-121.3	ADDITION - FINISH PLAN
A-121.4	ADDITION-REFLECTED CEILING PLAN
A-161	ROOF PLAN
A-201	EXTERIOR ELEVATIONS
A-202	EXTERIOR ELEVATIONS
A-301	BUILDING SECTIONS
A-302	BUILDING SECTIONS
A-303	BUILDING SECTIONS
A-341	WALL SECTIONS
A-342	WALL SECTIONS
A-343	WALL SECTIONS
A-344	WALL SECTIONS
A-345	WALL SECTIONS
A-346	WALL SECTIONS
A-401	INTERIOR ELEVATIONS
A-402	INTERIOR ELEVATIONS
A-404	INTERIOR ELEVATIONS
A-421	ENLARGED PLANS
A-541	BUILDING DETAILS
A-542	BUILDING DETAILS
A-561	ROOF DETAILS
A-562	ROOF DETAILS
A-563	ROOF DETAILS
A-570	FRAME TYPES
A-571	DOOR AND WINDOW DETAILS
A-572	DOOR AND WINDOW DETAILS
A-581	CEILING DETAILS
A-591	INTERIOR FINISH/MILLWORK DETAILS
A-592	MILLWORK DETAILS
A-611	WALL TYPES
A-671	DOOR SCHEDULE & TYPE NOTES
A-681	SCHEDULE - SIGNAGE
A-691	FINISH SCHEDULE
A-811	BID ALT 2 - FLOOR PLAN
A-821	BID ALT 2 - INTERIOR ELEVATIONS
A-822	BID ALT 2 - INTERIOR ELEVATIONS
MECHANICAL:	
M001	MECHANICAL SYMBOLS LEGEND AND GENERAL NOTES

M002	MECHANICAL GENERAL NOTES
MD-101	MECHANICAL DEMOLITION PLAN
M-101	MECHANICAL PLAN
M-102	MECHANICAL PLAN ADDITION
M-103	ROOF MECHANICAL PLAN
M-104	ROOF MECHANICAL PLAN
ME-501	MECHANICAL DETAILS
ME-502	MECHANICAL DETAILS
ME-601	MECHANICAL SCHEDULES
ME-701	MECHANICAL SCHEMATICS
PLUMBING	
P-101	PLUMBING PLAN
P-102	PLUMBING PLAN ADDITION
P-103	ROOF PLUMBING PLAN
P-104	ROOF PLUMBING PLAN ADDITION
P-401	ENLARGED PLUMBING PLANS
PE-501	PLUMBING DETAILS
PE-601	PLUMBING SCHEDULES
ELECTRICAL:	
EE-001	ABBREVIATION, G.P.N., LEGEND & SHEET INDEX
ES-101	ELECTRICAL SITE PLAN - BASE BID
ES-102	ELECTRICAL SITE PLAN - ALT BID
ES-501	ELECTRICAL SITE DETAILS
ED-101	ELECTRICAL DEMOLITION PLAN
EL-201	LIGHTING PLAN - MAIN LEVEL
EL-202	LIGHTING PLAN - ADDITION
EL-501	LEGHTING CONTROL RISER DIAGRAM
EL-601	LIGHTING SCHEDULE
EP-301	POWER PLAN - MAIN LEVEL
EP-302	POWER PLAN - ROOF
EP-303	POWER PLAN - ROOF
EP-501	ELECTRICAL DETAILS
EP-601	ELECTRICAL ONE-LINE DIAGRAM
EP-602	ELECTRICAL SCHEDULES
EP-603	ELECTRICAL SCHEDULES
ET-401	ELECTRONIC SYSTEMS PLAN - REMODEL
ET-402	ELECTRONIC SYSTEMS PLAN - ADDITION
ET-501	ELECTRICAL SITE PLAN DETAILS
FA-401	FIRE ALARM PLAN - MAIN LEVEL
FA-402	FIRE ALARM PLAN - ADDITION

ABBREVIATIONS

ABR.	DESCRIPTION	ABR.	DESCRIPTION	ABR.	DESCRIPTION
ACC STA	ACCESSIBLE STATION	EIFS	EXTERIOR INSULATION FINISH SYSTEM	d	PENNY
AC	ACOUSTIC, ACOUSTICAL	FIN	FINISH	P-LAM	PLASTIC LAMINATE PLATE
ABS	ACRYLONITRILE-BUTADIENE -STYRENE	FEC	FIRE EXTINGUISHER CABINET	PLYWD	PLYWOOD
AD	ADDENDUM	FLR	FLOOR	PVC	POLYVINYL CHLORIDE
ADJ	ADJUSTABLE	FD	FLOOR DRAIN	PREFAB	PREFABRICATED
AFF	ABOVE FINISH FLOOR	FTG	FOOTING	PT	PRESERVATIVE TREATED
ALT	ALTERNATE	FDN	FOUNDATION	PROJ	PROJECTION
ALUM	ALUMINUM	GALV	GALVANIZED	QT	QUARRY TILE
AB	ANCHOR BOLT	GI	GALVANIZED IRON	RAD	RADIUS
L	ANGLE	GA	GAUGE	REF	REFRIGERATOR
ASI	ARCHITECT SUPPLEMENTAL INSTRUCTION	GYP BD	GYPSUM BOARD	REINF	REINFORCE
		HDWD	HARDWOOD	REV	REVISION
ASPH	ASPHALT	HT	HEIGHT	RFI	REQUEST FOR INFORMATION
BSMT	BASMENT	HM	HOLLOW METAL	RD	ROOF DRAIN
BB	BASKETBALL	HORIZ	HORZONTAL	RO	ROUGH OPENING
BRG	BEARING	ID	INSIDE DIAMETER	R/	ROUND
BM	BENCH MARK	INSUL	INSULATION	SCHED	SCHEDULE
BLKG	BLOCKING	INT	INTERIOR	SIM	SIMILAR
BD	BOARD	JT	JOINT	SHT	SHEET
B.O.	BOTTOM OF	KD	KNOCK DOWN	SPEC	SPECIFICATION
BLDG	BUILDING	KO	KNOCK OUT	SQ	SQUARE
B.U.R.	BUILT UP ROOF	LLV	LONG LEG VERTICAL	SS	STAINLESS STEEL
CLG	CEILING	MH	MANHOLE	STD	STANDARD
℄	CENTER LINE	MFR	MANUFACTURER	STL	STEEL
CT	CERAMIC TILE	MB	MARKER BOARD	STOR	STORAGE
CB	CHALKBOARD	MO	MASONRY OPENING	STRUCT	STRUCTURAL
C	CHANNEL	MAX	MAXIMUM	SUSP	SUSPENDED, SUSPENSION
CO	CLEAN OUT	MECH	MECHANICAL	SYS	SYSTEM
COL	COLUMN	MT	MOUNT	TB	TACKBOARD
CONC	CONCRETE	MTL	METAL	TEL	TELEPHONE
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM	TV	TELEVISION
CONN	CONNECTION	MISC	MISCELLANEOUS	TEMP	TEMPORARY
CONT	CONTINUOUS	(N)	NEW	TS	TUBE STEEL
CONTR	CONTRACTOR	NIC	NOT IN CONTRACT	THRES	THRESHOLD
DIM	DIMENSION	NTS	NOT TO SCALE	TOIL	TOILET
DS	DOWNSPOUT	O.C.	ON CENTER	T.O.	TOP OF
DWG	DRAWING	OPNG	OPENING	T & B	TOP AND BOTTOM
EA	EACH	OPP	OPPOSITE	TYP	TYPICAL
ELECT	ELECTRICAL	OD	OUTSIDE DIAMETER	VERT	VERTICAL
EWC	ELECTRIC WATER COOLER	OH	OVERHEAD	U.N.O.	UNLESS NOTED OTHERWISE
ELEV	ELEVATION	OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED	WC	WATER CLOSET
EQ	EQUAL			WM	WATER METER
EQUIP	EQUIPMENT	OF/OI	OWNER FURNISHED / OWNER INSTALLED	WWF	WELDED WIRE FABRIC
EXIST	EXISTING			W	WIDE FLANGE
(E)	EXISTING	O.T.S.	OPEN TO STRUCTURE	W/	WITH
EXP	EXPANSION	PART BD	PARTICLE BOARD	W/O	WITHOUT
EXT	EXTERIOR	PART'N	PARTITION	WD	WOOD

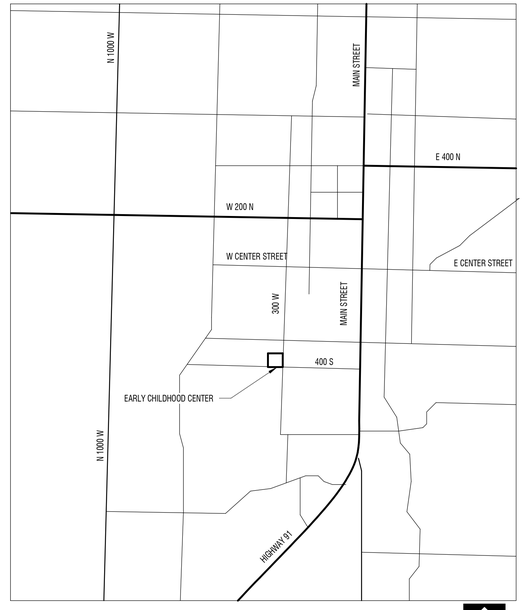
SYMBOLS LEGEND



MATERIALS LEGEND

MATERIAL	SYMBOL
EARTH	
ASPHALT PAVING	
COMPACTED GRANULAR FILL	
CONCRETE	
CONCRETE MASONRY UNITS	
BRICK	
STEEL	
CONTINUOUS WOOD	
WOOD BLOCKING	
PLYWOOD / OSB	
PARTICLE BOARD	
INSULATION	
RIGID INSULATION	
GYPSUM BOARD	
ACOUSTIC TILE	
GLU-LAMINATE BEAM	
PLASTER & METAL LATH	
GLASS	
FINISH WOOD	
ALUMINUM	
WOOD STUD WALL	

VICINITY MAP



LOGAN, UT

NORTH

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

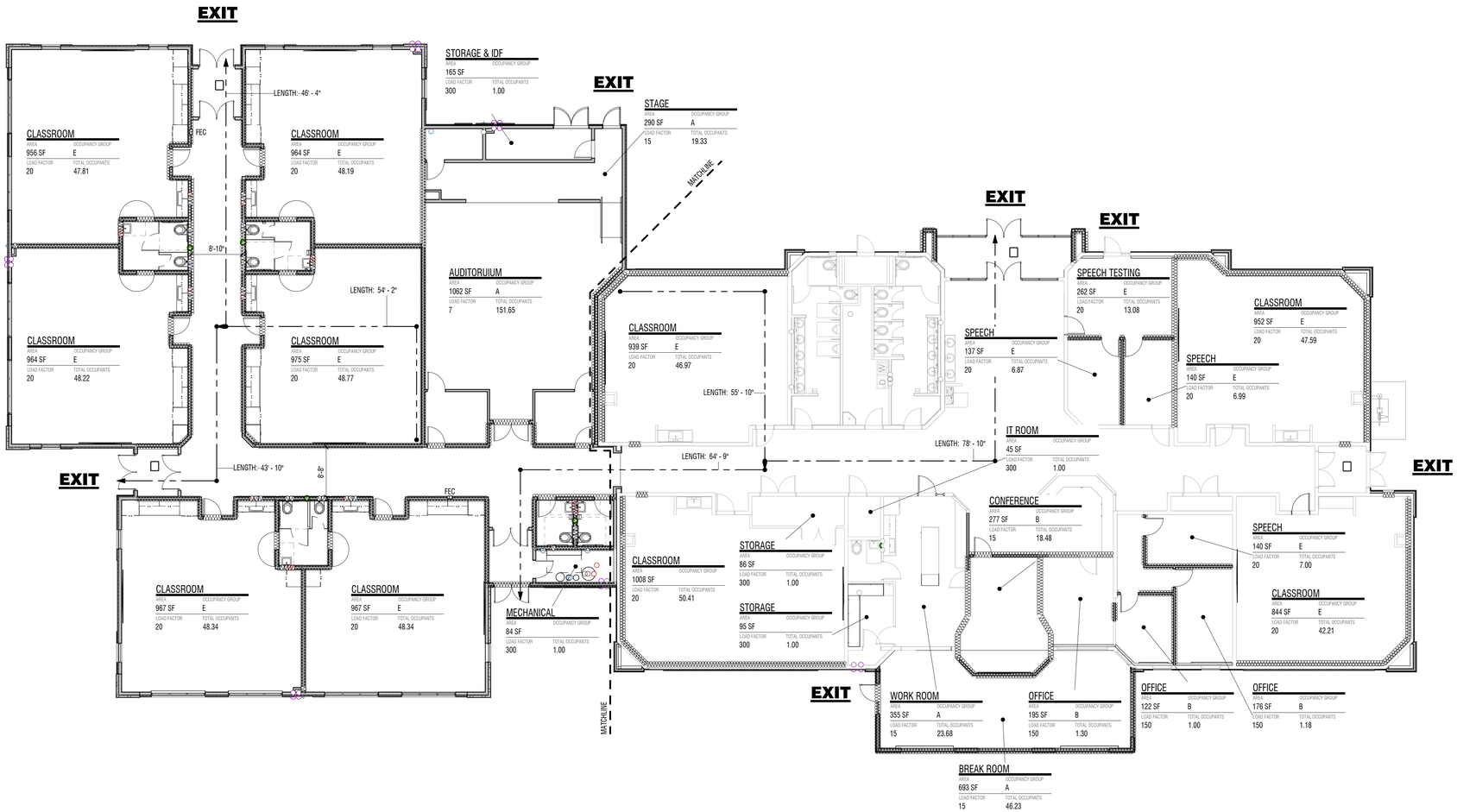
PROJECT #:	125054
DRAWN BY:	CF
CHECKED BY:	MR
ISSUED:	05.29.2025

PROJECT INFORMATION

G-002

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 2:04:21 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt



LEGEND

BATT INSULATION - EXTEND TO DECK - SEE WALL TYPES ON A-531

SOUND WALL - EXTEND TO DECK - SEE WALL TYPES ON A-531

EGRESS PATH

EXIT

EXIT LOCATION

DEFERRED SUMBITTAL

1. FIRE SUPPRESSION SYSTEM

CODE REVIEW

JURISDICTION
LOGAN, UTAH
LOGAN CITY SCHOOL DISTRICT

CODE
2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC) (**CLASSIFICATION III**)
2021 INTERNATIONAL BUILDING CODE (IBC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL PLUMBING CODE (IPC)
2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2020 NATIONAL ELECTRICAL CODE (NEC)
2021 INTERNATIONAL FIRE CODE (IFC)
2010 ICC ANSI A117.1-09

OCCUPANCY CLASSIFICATION *(301)*

GROUP	DESCRIPTION
(E)	(EARLY CHILDHOOD CARE FACILITY)

MIXED OCCUPANCY *(508, 508.2)*
NO

NON-SEPARATED *(508.3)*

HIGH-HAZARD GROUP *(307)*
N/A

REQUIRED SEPARATION OF OCCUPANCIES *(508.4, CH4, CH7)*

GROUP	RATING	TYPE IE. WALL/BARRIER/PARTITION
N/A		

TYPE OF CONSTRUCTION *(601)*

GROUP	CONSTRUCTION TYPE
(E)	V B

AUTOMATIC SPRINKLER SYSTEM *(CH9)*

GROUP	
(E)	YES

BUILDING HEIGHT *(504.3)*

GROUP	ALLOWABLE	PROPOSED
(E)	60'-0"	24'-0"

NUMBER OF STORIES *(504.4)*

GROUP	ALLOWABLE	PROPOSED
(E)	2	1 (UNCHAGED)

BUILDING AREA *(506)*

GROUP	ALLOWABLE w/INCREASE(S)	PROPOSED
(E)	38,000 SF	9,341 SF (EXISTING)
		10,961 SF (ADDITION)
		TOTAL: 20,307 SF

INCIDENTAL USES *(509)*
N/A

FIRE RESISTIVE REQUIREMENTS *(TABLE 601)*
CONSTRUCTION TYPE: V B

PRIMARY STRUCTURAL FRAME	0 HR RATING
BEARING WALLS	
EXTERIOR	0 HR RATING *(601, 602 EXTERIOR WALL 705)*
INTERIOR	0 HR RATING *(FIRE PARTITIONS 708)*
NON BEARING WALLS	0 HR RATING *(2304.11.2)*
FLOOR CONSTRUCTION	0 HR RATING *(601, HORIZONTAL ASSEMBLY 711)*
ROOF CONSTRUCTION	0 HR RATING
SHAFT WALLS	0 HR RATING *(713.4, FIRE BARRIER 707)*
CORRIDORS	0 HR RATING *(1020.1, FIRE PARTIONS 708, 708.3, 713)*

FIRE WALL FIRE RESISTANCE REQUIREMENTS (TABLE 706.4)

GROUP	CONSTRUCTION TYPE	RATING
(E)	V B	3 HR

(EXCEPTION: TYPES II OR V CAN BE PERMITTED TO HAVE 2 HR RATING. TABLE 706.4 NOTE e)

OCCUPANT LOAD CALCULATION *(1004.1.2)*

GROUP	TOTAL OCCUPANCY
(E)	780 OCCUPANTS

EGRESS WIDTH *(1005.1, 1010.1.1, 1011.2, 1020.2)*

TYPE	CODE	REQUIRED	PROVIDED
STAIRWAYS	.3" x OCCUPANT	48" EA.	N/A
OTHER EGRESS			
EXIT DOORS	.2" x OCCUPANT	156" EA.	39'-0"
COORIDORS	.2" x OCCUPANT	156" EA.	25'-6"

PLUMBING FIXTURE REQUIREMENTS *(2902.1)*
FIXTURE CALCULATIONS (2902.1.1)

GROUP	CALCULATION
(E)	780 OCCUPANTS = 390 MALE / 390 FEMALE

WATER CLOSETS

GROUP	TABLE VALUE / CALCULATION	REQUIRED	PROVIDED
(E)	1:50	7.8 M / 7.8 F 15.6 TOTAL	6 M / 6 F / 7 UNISEX = 19

LAVATORIES

GROUP	TABLE VALUE / CALCULATION	REQUIRED	PROVIDED
(E)	1:50	7.8 M / 7.8 F 15.6 TOTAL	6 M / 6 F / 7 UNISEX = 19

DRINKING FOUNTAINS

GROUP	TABLE VALUE / CALCULATION	REQUIRED	PROVIDED
(E)	1:100	7.8	12 UNCHANGED

SERVICE SINKS

REQUIRED	PROVIDED
1	1 UNCHANGED

NORTH

A1 PLAN - LIFE & SAFETY
3/32" = 1'-0"
LEVEL 01

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

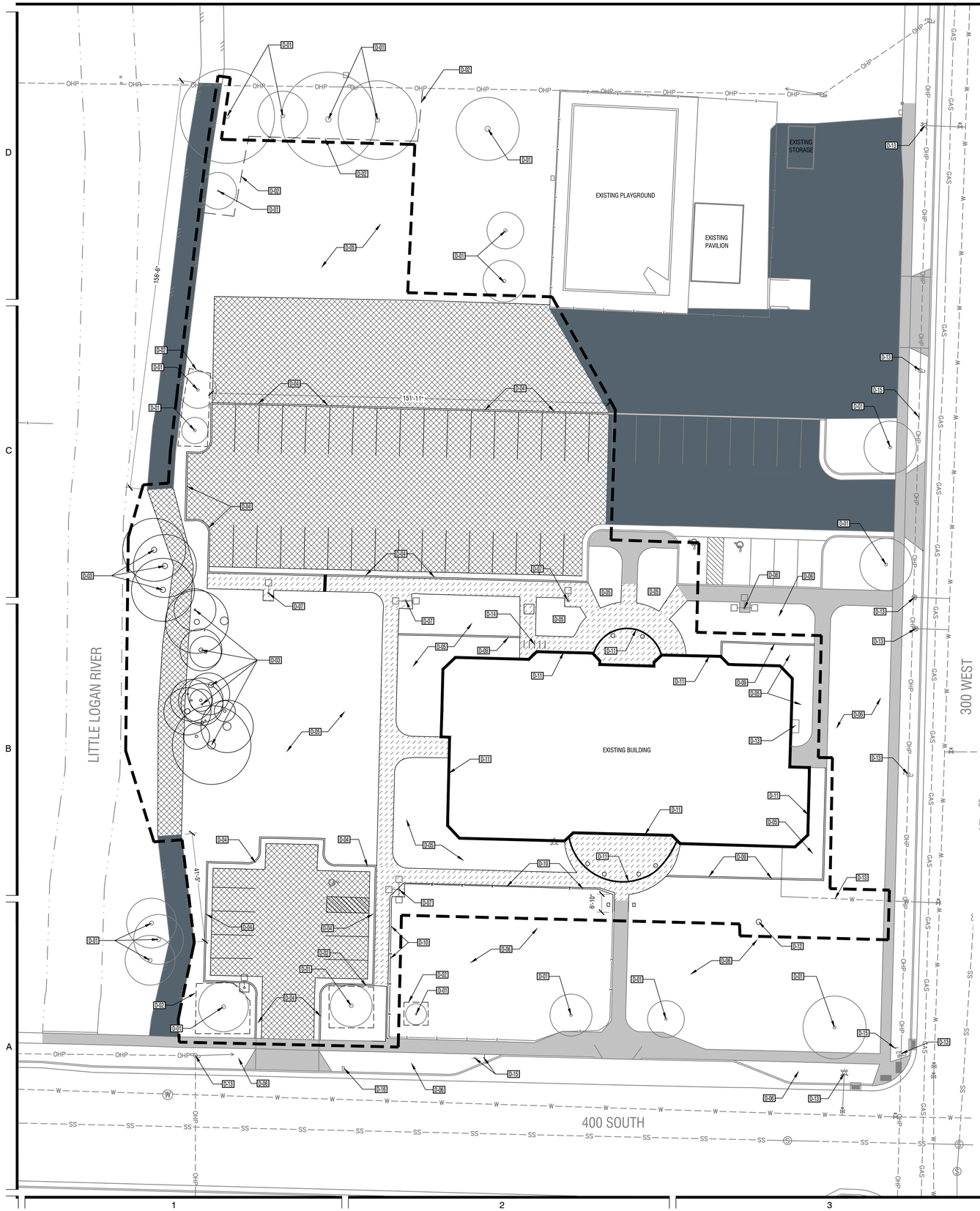
PROJECT #: 125054
DRAWN BY: CF
CHECKED BY: MR
ISSUED: 05.29.2025

CONSTRUCTION DOCUMENTS

CODE REVIEW
G-003

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 2:24:25 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.V2.rvt



DEMOLITION NOTES

1. REMOVE OBSTRUCTIONS, TREES, SHRUBS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.
2. CUT MINOR ROOTS AND BRANCHES OF TREES INDICATED TO REMAIN IN A CLEAN AND CAREFUL MANNER WHERE SUCH ROOTS AND BRANCHES OBSTRUCT INSTALLATION OF NEW CONSTRUCTION.
3. GRIND STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS EXTENDING TO A DEPTH OF 18 INCHES BELOW EXPOSED SUBGRADE.
4. FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY SOIL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 8-INCH LOOSE DEPTH, AND COMPACT EACH LAYER TO A DENSITY EQUAL TO ADJACENT GROUND.
5. STRIP SUITABLE TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
6. STOCKPILE SURPLUS TOPSOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST. COORDINATE LOCATION WITH OWNER'S REPRESENTATIVE OR AT LOCATION SHOWN ON PLANS.
7. REMOVE EXISTING ABOVE- AND BELOW-GRADE STRUCTURES AS INDICATED AND AS NECESSARY TO FACILITATE NEW CONSTRUCTION.
8. AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAW CUT TO A CLEAN SMOOTH EDGE.
9. PROTECT EXISTING BUILDINGS, WALKS, DRIVES, CURBS, EXISTING VEGETATION, ETC. THAT ARE TO REMAIN. REPAIR ANY DAMAGES THAT MAY OCCUR TO EXISTING ITEMS TO BE PROTECTED.
10. ALL ITEMS TO BE REMOVED FROM THE PROJECT AND EXCESS MATERIALS SHALL BE LEGALLY DISPOSED OF OFFSITE BY THE CONTRACTOR.
11. CONTINUOUSLY CLEAN-UP AND REMOVE WASTE MATERIALS FROM SITE. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
12. DO NOT BURN OR BURY MATERIALS ON SITE. LEAVE SITE IN CLEAN CONDITION.

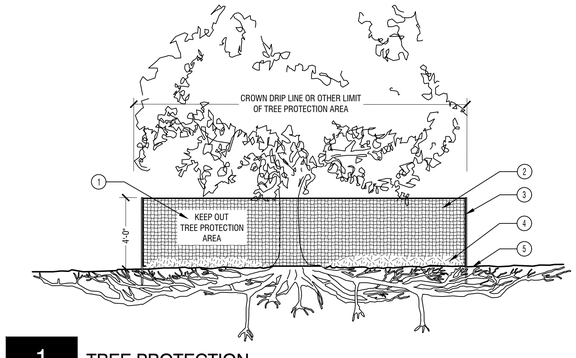
TREE PROTECTION NOTES

1. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PLACE FOUR-FOOT TALL CONSTRUCTION FENCE AROUND THE CRITICAL ROOT ZONE OF THE TREE. REMOVE FENCE ONLY AS NECESSARY FOR DAILY CONSTRUCTION, FENCE SHALL REMAIN IN PLACE DURING CONSTRUCTION TO PREVENT UNINTENDED IMPACTS.
2. THE TREE'S CRITICAL ROOT ZONE SHALL BE AT TREE'S CANOPY DRIP LINE OR A RADIUS OF TWELVE-TIMES THE DIAMETER OF THE TRUNK AT 4.5-FOOT DBH (DIAMETER AT BREAST HEIGHT) WHICHEVER IS LARGER.
3. IN THE CRITICAL ROOT ZONE:
   - A. DO NOT ALTER OR DISTURB EXISTING GRADE.
   - B. DO NOT STORE ANY CONSTRUCTION MATERIALS, EQUIPMENT, SOIL OR DEBRIS.
   - C. DO NOT DISPOSE OF ANY LIQUIDS E.G. CONCRETE, GAS, OIL, PAINT, ETC.
   - D. DO NOT PERMIT VEHICLES, EQUIPMENT, OR FOOT TRAFFIC.
   - E. AVOID TRENCHING.
   - F. AVOID CONSTRUCTION ACTIVITY THAT WILL COMPACT THE SOIL.
4. IF CONSTRUCTION WORK DOES ENCROACH INTO THE CRITICAL ROOT ZONE THEN LIMIT ENCROACHMENT TO LESS THAN TWENTY-FIVE PERCENT OF THE TOTAL AREA, AND NO CLOSER TO THE TRUNK THAT ONE-HALF THE RADIUS OF THE CRITICAL ROOT ZONE. PROVIDE FIVE-INCHES OF MULCH AND A PROTECTIVE MAT OVER THE IMPACTED ROOT AREA
5. IF TRENCHING IS REQUIRED IN THE ROOT AREA, BORE UNDER THE ROOTING AREA AT A MINIMUM DEPTH OF THIRTY-INCHES. IF A TRENCH FOR AN IRRIGATION HEAD IS NEEDED IN THE ROOT ZONE AREA, TRENCH IN A DIRECT LINE TOWARDS THE TRUNK TO MINIMIZE ROOT DAMAGE.
6. PROVIDE WATER TO THE TREES DURING CONSTRUCTION TO MAINTAIN TREE HEALTH.
7. REPAIR OR REPLACE TREES AND VEGETATION INDICATED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY LANDSCAPE ARCHITECT.
   - A. SUBMIT DETAILS OF PROPOSED REPAIRS AND TO REPAIR DAMAGE TO TREES AND SHRUBS.
   - B. REPLACE TREES THAT CANNOT BE REPAIRED AND RESTORED TO FULL-GROWTH STATUS, AS DETERMINED BY A QUALIFIED ARBORIST.

LEGEND

SYMBOL	DEMOLITION DESCRIPTION	QTY	DETAIL
D-01	PRESERVE AND PROTECT TREE IN PLACE		1/C-001
D-02	TREE PROTECTION FENCE		1/C-001
D-03	REMOVE TREE		
D-04	DEMOLISH AND REMOVE CURB AND GUTTER		
D-05	DEMOLISH AND REMOVE LANDSCAPE AREA		
D-06	LANDSCAPE AREA TO REMAIN		
D-07	REMOVE LIGHT POLES AND CONCRETE BASE - return light poles and fixtures to Logan City School District.		
D-08	LIGHTPOLE AND CONCRETE BASE TO REMAIN		
D-09	REMOVE LANDSCAPE MOWSTRIP		
D-10	DEMOLISH AND REMOVE FENCE		
D-11	SEE ARCHITECTURE PLANS FOR FACADE RENOVATIONS		
D-12	RELOCATE FLAGPOLE PER SITE PLAN		
D-13	UTILITIES TO REMAIN IN PLACE UNLESS SPECIFICALLY NOTED ON ARCHITECTURAL, ELECTRICAL, OR MECHANICAL PLANS		
D-14	REMOVE BIKE RACK - return to Logan City School District		
D-15	PRESERVE AND PROTECT SIGN IN PLACE		
D-16	PRESERVE AND PROTECT MAILBOX IN PLACE		

SYMBOL	DEMOLITION DESCRIPTION	QTY	DETAIL
	EXISTING CONCRETE WALK TO REMAIN	5,415 sf	
	EXISTING ASPHALT WALK/PARKING LOT TO REMAIN	14,527 sf	
	EXISTING CONCRETE TO BE REMOVED	4,404 sf	
	EXISTING ASPHALT TO BE REMOVED	19,452 sf	
	LIMIT OF WORK LINE		
	TREE PROTECTION FENCE		



1. 8.5"X11" LAMINATED SIGN IN PLASTIC SPACED EVERY 50' ALONG FENCE
2. TREE PROTECTION FENCE. HIGH DENSITY POLYETHYLENE FENCING WITH 3.5"X1.5" OPENINGS; COLOR = ORANGE
3. 2"X6" STEEL POSTS OR APPROVED EQUAL AT 8'-0" O.C.
4. 5" THICK LAYER OF MULCH TO PROTECT TREE ROOTS IF VEHICLES MUST CROSS ROOT ZONE
5. MAINTAIN EXISTING GRADE WITH TREE PROTECTION FENCE UNLESS OTHERWISE INDICATED ON PLANS

NOTES:
1. SEE SPECIFICATION FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. IF THERE IS NO EXISTING IRRIGATION OR IRRIGATION IS CUT OFF, SEE SPECIFICATION FOR WATERING REQUIREMENTS.
3. NO PRUNING SHALL BE PERFORMED EXCEPT BY AN APPROVED ARBORIST.
4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
5. GRUBBING AND CLEARING WITHIN TREE PROTECTION AREAS TO BE COMPLETED BY HAND.

1 TREE PROTECTION
1/4" = 1'-0"

URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE

P-1-LCSD-ECC-21

0 20 40 60 feet
SCALE: 1" = 20'

NORTH

CONSTRUCTION DRAWINGS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

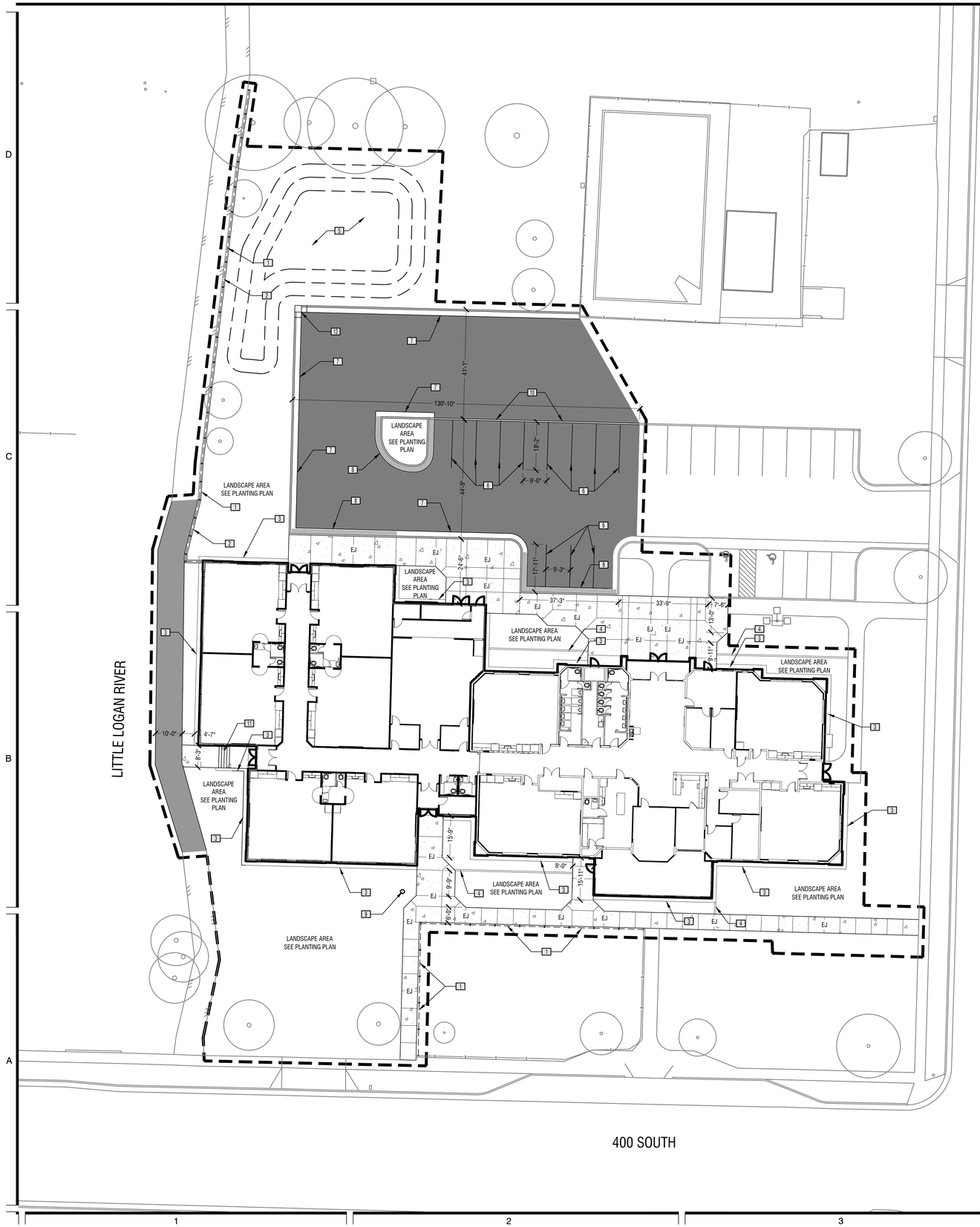
PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

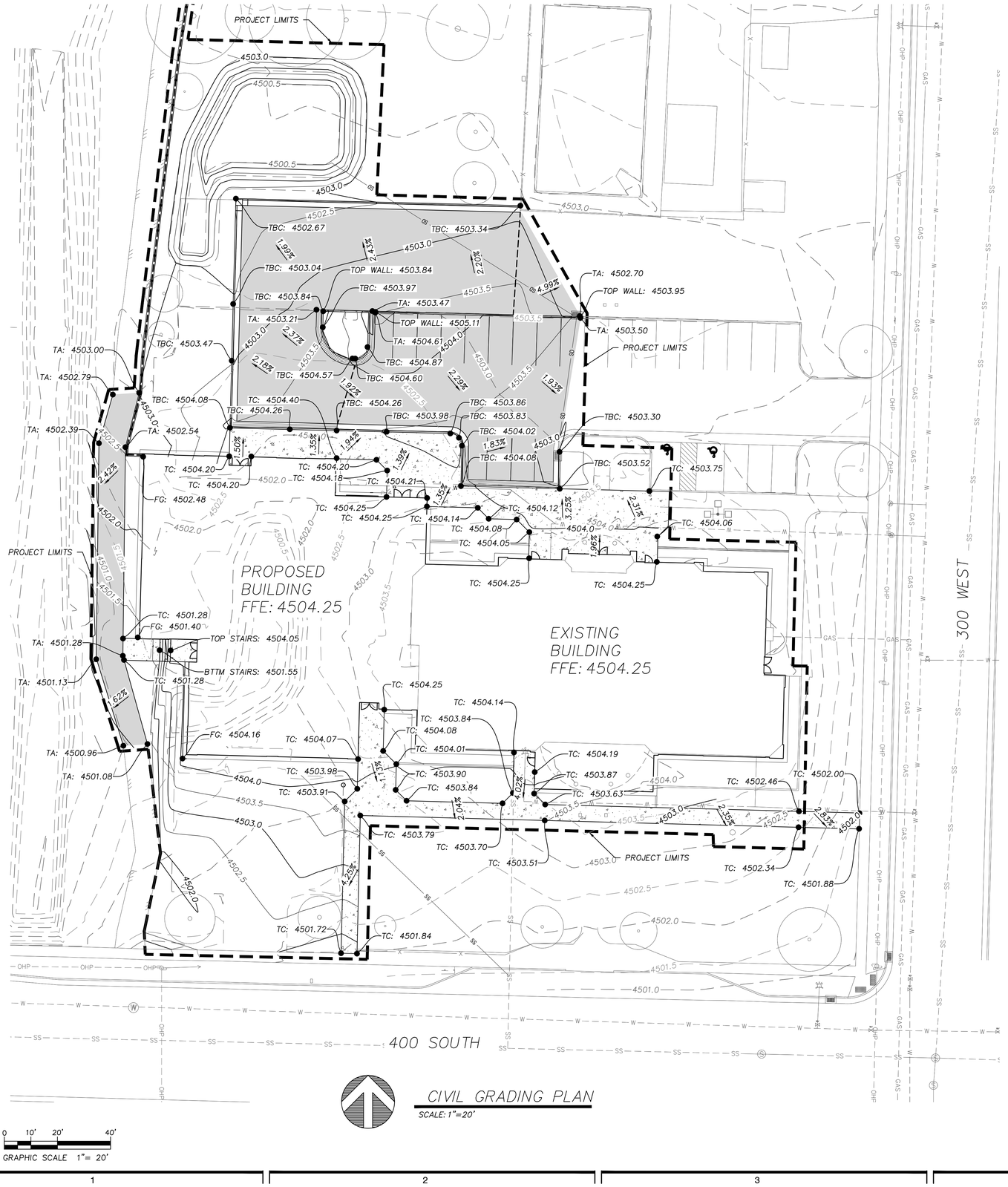
STATE OF UTAH
BLAKE C. WRIGHT
05.23.2025
10510153301
LICENSED LANDSCAPE ARCHITECT

DEMOLITION PLAN

C-001

© COPYRIGHT DESIGN WEST ARCHITECTS 2025


LANDSCAPE AREA SEE PLANTING PLAN
LANDSCAPE AREA SEE PLANTING PLAN
LANDSCAPE AREA SEE PLANTING PLAN



GRADING LEGEND

- 4500 — EXIST. MAJOR CONTOUR (2' INT)
- 4501 — EXIST. MINOR CONTOUR (0.5' INT)
- 4500.0 — PROP. MAJOR CONTOUR (1.0' INT)
- 4500.5 — PROP. MINOR CONTOUR (0.5' INT)
- GRADE BREAK
- DAYLIGHT LINE

LEGEND

TA: XX.XX	TOP OF ASPHALT
FG: XX.XX	FINISHED GRADE
TC: XX.XX	TOP OF CONCRETE
TBC XX.XX	TOP BACK OF CURB
GB:	GRADE BREAK
FFE:	FINISHED FLOOR ELEVATION

POND DESIGN:

PRECIPITATION (100 YR/24 HR)	3.02 IN.
PROJECT AREA	0.63 AC.
EXISTING HYDRAULIC SOIL GROUP	B
PERCOLATION RATE	0.6 IN/HR
PRE-DEVELOPMENT	
AREA	0.32 AC.
CN	98.0
AREA	0.31 AC.
CN	61.0
TOTAL AREA	0.63 AC.
CN	79.79
POST-DEVELOPMENT	
IMPERVIOUS AREA	0.43 AC.
CN	98.0
PERVIOUS AREA	0.20 AC.
CN	61.0
TOTAL AREA	0.63 AC.
CN	86.25
0.2 CFS ACRE*0.63 ACRE	0.126 CFS RELEASE ALLOWED
90TH% STORM EVENT (0.60 IN.)	1,372 CU. FT.
NEW DEVELOPMENT VOLUME REQUIRED	1,645 CU. FT.
EXISTING POND VOLUME	2,700 CU. FT.
TOTAL VOLUME REQUIRED	4,345 CU. FT.
TOTAL VOLUME PROVIDED	4,440 CU. FT.

CIVIL GRADING PLAN

SCALE: 1"=20'

0 10' 20' 40'

GRAPHIC SCALE 1"= 20'

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: J. DAY
CHECKED BY: L. ANDERSON
ISSUED: 05.23.2025

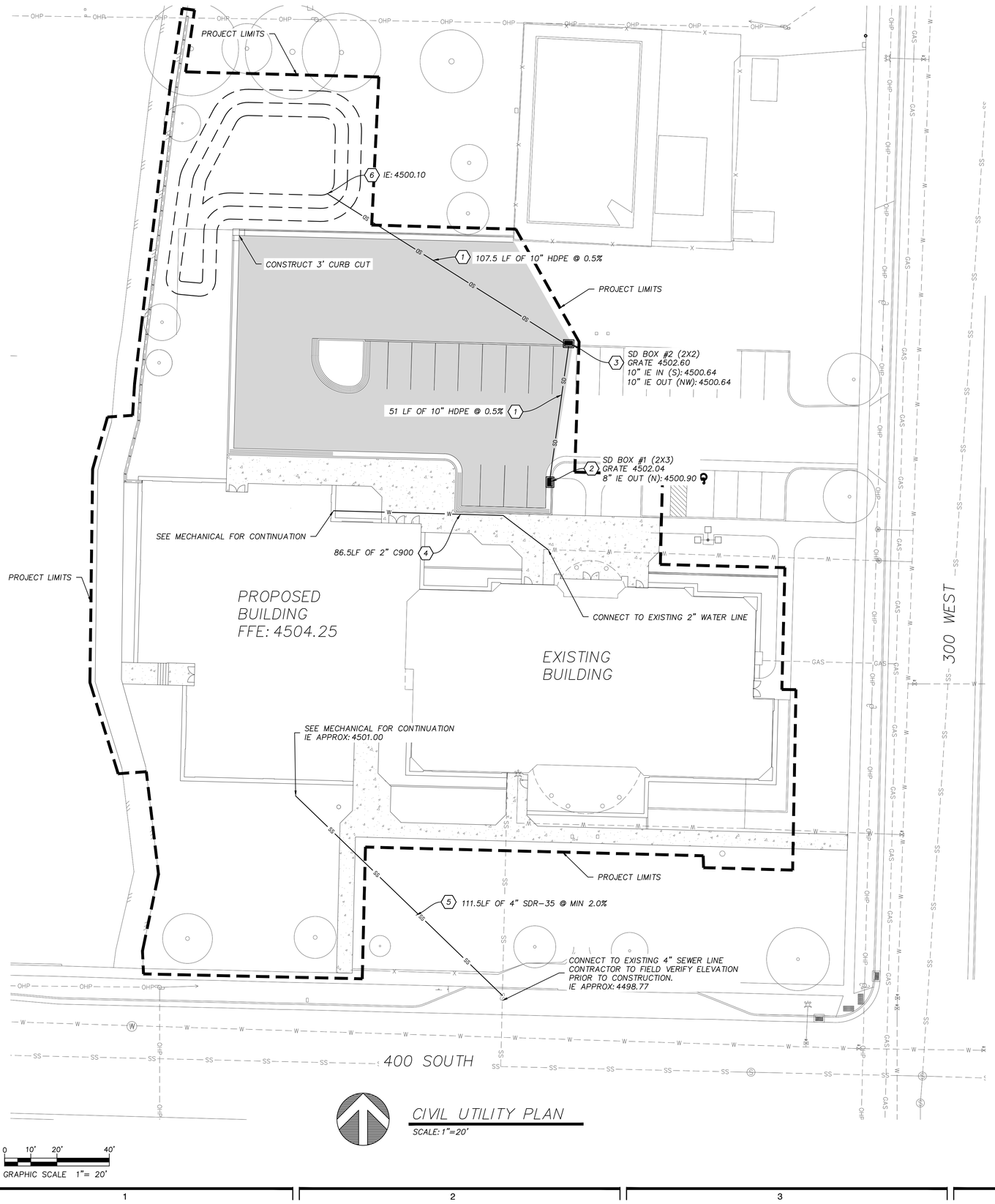
PROFESSIONAL ENGINEER
LANCE ANDERSON
9373772-2202
5/23/25
STATE OF UTAH

CONSTRUCTION DRAWINGS

CIVIL GRADING PLAN

C-201

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



CIVIL UTILITY PLAN
SCALE: 1"=20'

0 10' 20' 40'
GRAPHIC SCALE 1"= 20'

UTILITY PLAN NOTES

1. MAINTAIN A MINIMUM OF 5 FT. OF COVER ABOVE ALL PROPOSED WATER LINES.
2. MAINTAIN MINIMUM 2% SLOPE ON ALL SEWER LATERALS.
3. ALL WATER LINE TO BE C900 PVC.
4. ALL SEWER LINES TO BE PVC SDR-35.
5. ALL STORM DRAIN BOXES TO HAVE MINIMUM 1FT SUMP UNLESS SPECIFIED OTHERWISE.
6. CONTACT LOGAN CITY LIGHT AND POWER FOR INSTALLATION OF UNDERGROUND POWER LINES TO PROPOSED BUILDING.
7. CONTACT PERTINENT UTILITY COMPANY FOR INSTALLATION OF COMMUNICATION LINES TO PROPOSED BUILDING.
8. FIELD VERIFY DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITY LINES, REPORT ANY CONFLICTS WITH PROPOSED UTILITY CROSSINGS TO ENGINEER.

UTILITY CONSTRUCTION NOTES

1. INSTALL HDPE PIPE PER DETAIL 1, SEE SHEET C-5.0 (SEE PLAN FOR SIZE AND TYPE)
2. INSTALL 2X3 STORM DRAIN INLET BOX PER DETAIL 2, SEE SHEET C-5.0
3. INSTALL 2X2 STORM DRAIN INLET BOX PER DETAIL 3, SEE SHEET C-5.0
4. INSTALL 2" C900 WATER LINE PER DETAIL 1, SEE SHEET C-5.0
5. INSTALL 4" SDR-35 PVC SEWER LINE PER DETAIL 1, SEE SHEET C-5.0
6. INSTALL FLARED END SECTION PER DETAIL 4, SEE SHEET C-5.0

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	J. DAY
CHECKED BY:	L. ANDERSON
ISSUED:	05.23.2025

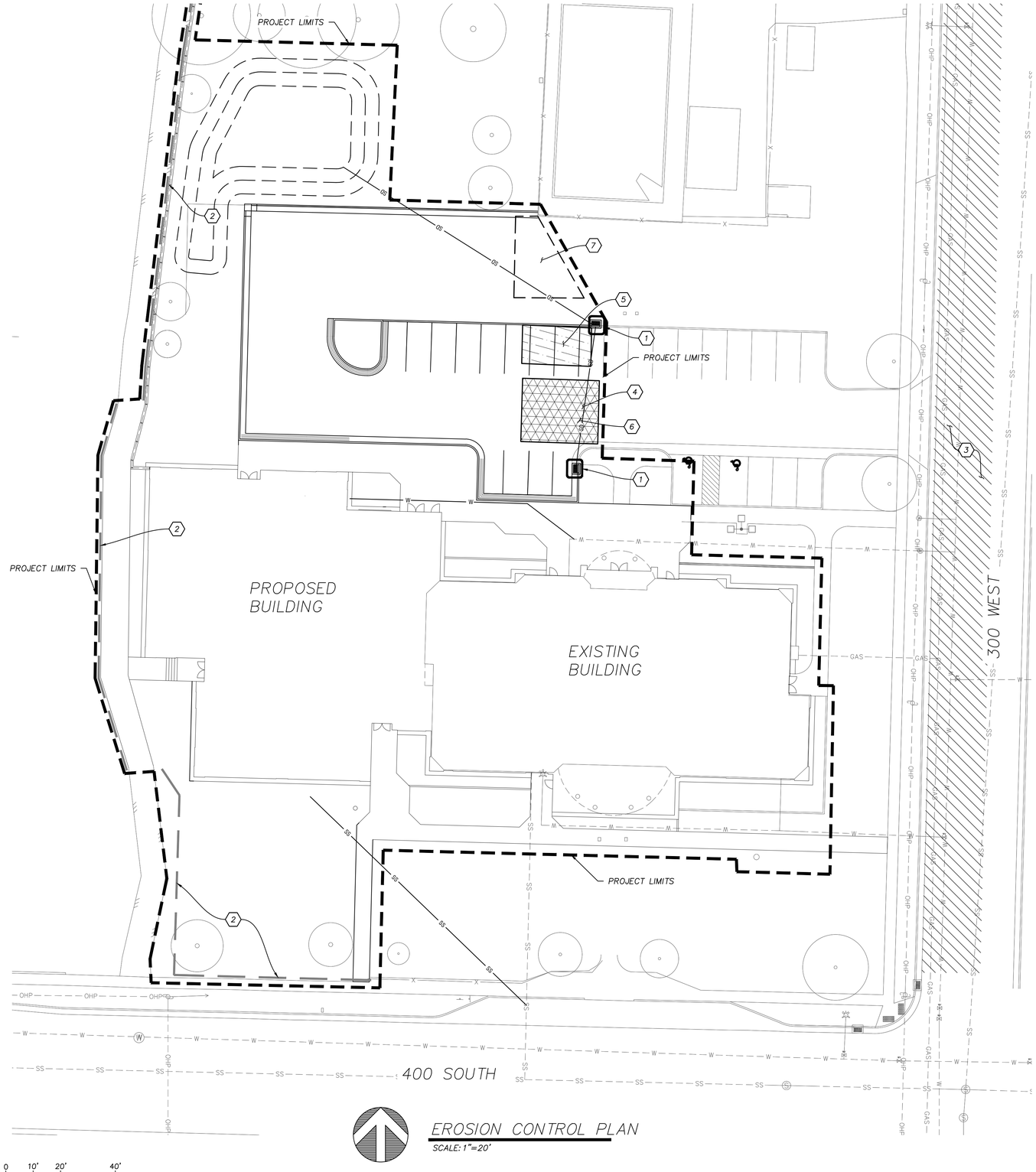
PROFESSIONAL ENGINEER
LANCE ANDERSON
#8737-2202
05/23/25
STATE OF UTAH

CONSTRUCTION DRAWINGS

CIVIL UTILITY PLAN

C-301

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



EROSION CONTROL PLAN

SCALE: 1"=20'

0 10' 20' 40'

GRAPHIC SCALE 1"= 20'

EROSION CONTROL GENERAL NOTES:

1. GENERAL INFORMATION
THE EROSION CONTROL PLAN IS DIAGRAMMATIC AND IS INTENDED TO BE VIEWED AS A GUIDELINE FOR LOCATING AND IMPLEMENTING EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs). IT IS THE CONTRACTORS RESPONSIBILITY TO FINALIZE THE TYPE AND LOCATION OF ALL BMPs IN ORDER TO MEET THE REGULATIONS OF THE STATE OF UTAH.

CONTRACTOR TO IMPLEMENT CONSTRUCTION SEQUENCE IDENTIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN.

2. LIMITS OF DISTURBANCE
THE LIMITS OF DISTURBANCE LINE SHOWN ON THIS DRAWING IS FOR MAJOR DEMOLITION AND EXCAVATION OF CIVIL RELATED ELEMENTS. IT IS ANTICIPATED THAT THERE MAY BE SOME ADDITIONAL DISTURBANCE OUTSIDE OF THESE LIMITS, PRIMARILY RELATED TO IRRIGATION/REVEGETATION IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING EROSION CONTROL BMPs ARE IMPLEMENTED FOR ALL EARTH DISTURBING ACTIVITIES, AND THAT DISCHARGE OF SEDIMENT LADEN RUN-OFF IS NOT PERMITTED.

3. STREET CLEANING: IF SEDIMENT IS TRANSPORTED ON TO THE STREET AND/OR EXISTING PARKING AREAS IT SHALL BE REMOVED ON A DAILY BASIS. SEDIMENT SHOULD BE SHOVELED AND/OR SWEPT FROM THE ASPHALT OR CONCRETE SURFACE AND DISPOSED OF IN A MANNER, WHICH PREVENTS CONTAMINATION WITH STORMWATER OR SURFACE WATER (E.G., COVERED SOIL STOCKPILE). IN ADDITION, A STREET SWEEPER MAY BE USED TO MAINTAIN CLEAN HARDSCAPE AREAS ON AN AS-NEEDED BASIS. ALL ADJACENT PARKING LOT AREAS TO THE SITE SHALL ALSO BE SWEPT DURING WORK DAYS AND AT OTHER TIMES AS NEEDED IN ORDER TO KEEP THE TRAVELED WAY CLEAN FROM MUD, DUST, SILT, AND DEBRIS.

4. VEHICLE WASH-DOWN: THE STABILIZED CONSTRUCTION ACCESSES MAY BE CONSTRUCTED TO SERVE AS A TEMPORARY TRUCK WASH STATION TO ENSURE CONTROL OF SEDIMENT AT THE CONSTRUCTION EXIT POINT OR A SEPARATE WASH-DOWN AREA SHALL BE PROVIDED. THE WASH-DOWN SYSTEM CONSISTS OF A COBBLE PAD (STABILIZED AREA) LINED BELOW WITH FILTER FABRIC, GRADED TO DRAIN AND CONNECT TO THE ADJACENT DRAINAGE SWALE AND CONVEY WATER TO A TEMPORARY SEDIMENTATION BASIN TO COLLECT WASH WATER FOR SETTLEMENT OF DEBRIS. WASH WATER MAY BE RE-USED AFTER SETTLING, INFILTRATED ON SITE, OR TRANSPORTED OFF SITE FOR DISPOSAL. ACCUMULATED SEDIMENTS MAY BE REUSED ON SITE OR DISPOSED OF OFF SITE.

5. CONCRETE CLEANOUT BASIN: A DUMPSTER OR LINED BASIN SHALL BE PLACED NEAR THE ENTRANCE/EXIT TO THE SITE AND ALL CONCRETE DELIVERY VEHICLES SHALL BE REQUIRED TO WASH OUT ONLY INTO THE DUMPSTER/BASIN. CONTRACTOR SHALL REMOVE WASTE AND DISPOSE OF IN A LAWFUL MANNER AS NECESSARY. CONCRETE WASH OUT MAY NOT BE DISPOSED OF ON-SITE OR ALLOWED TO INFILTRATE.

6. DUST CONTROL: SOILS, GRAVELS, AND ETC., WHETHER STOCKPILED OR PLACED, SHALL BE KEPT COVERED AND/OR ADEQUATELY MOIST TO PREVENT AIRBORNE DUST FROM LEAVING THE SITE. ALL CONSTRUCTION AREAS AND EXISTING PAVED AREAS SHALL BE KEPT ADEQUATELY MOIST TO PREVENT AIRBORNE DUST FROM LEAVING THE SITE.

7. DRAIN INLET PROTECTION: ALL EXISTING STORM DRAIN INLETS WITHIN THE PROJECT AREA OR WHICH MAY RECEIVE RUNOFF FROM THE PROJECT AREA SHALL BE PROTECTED ON-SITE. INLET PROTECTION TO BE INSTALLED AND APPROVED/INSPECTED PRIOR TO ANY EARTH DISTURBING ACTIVITIES.

ALL STORM DRAINS, SUMPS, AND STORM DRAIN PIPES THAT ARE INSTALLED OR MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED TO PREVENT STORM WATER FROM ENTERING WITHOUT FIRST BEING FILTERED OR TREATED TO REMOVE SEDIMENT. METHOD OF PROTECTION SHALL BE AS SHOWN OR APPROPRIATE TO NEED.

8. SILT FENCING: SILT FENCING SHALL BE INSTALLED ALONG GRADING LIMIT LINE AS SHOWN ON PLAN AND ALL OTHER LOW AREAS ALONG THE LIMIT OF DISTURBANCE LINE. IT IS THE CONTRACTORS RESPONSIBILITY TO WALK THE PERIMETER OF THE CONSTRUCTION SITE AND TO DETERMINE ALL APPROPRIATE LOCATIONS FOR SILT FENCING TO PREVENT SEDIMENT LADEN DISCHARGE FROM LEAVING THE SITE. SILT FENCING MAY BE COORDINATED AND INSTALLED IN CONJUNCTION WITH OTHER BMPs TO PREVENT RUNOFF FROM LEAVING THE SITE DURING CONSTRUCTION.

9. TEMPORARY SWALE: A TEMPORARY SWALE MAY BE INSTALLED PROVIDING CONVEYANCE FROM THE CONSTRUCTION WASHDOWN AREA TO A TEMPORARY SEDIMENTATION BASIN LOCATED ON-SITE. THE SWALE SHALL BE SIZED AS NECESSARY TO MEET THE NEED, BUT SHALL NOT EXCEED 4' WIDE AND 6" DEEP. THE SWALE SHALL BE INSTALLED IN CONJUNCTION WITH THE OTHER SELECTED BMPs TO ENSURE NO UNFILTERED RUNOFF LEAVES THE SITE.

10. TEMPORARY SEDIMENTATION BASIN: A TEMPORARY SEDIMENTATION BASIN MAY BE USED TO ALLOW SEDIMENT TO FALL OUT OF RUNOFF FROM STORM EVENTS AND FROM THE WASHOUT AREA AND OTHER AREAS ON SITE WHERE RUNOFF IS NOT CONTAINED AND IS LIKELY TO CONTAIN SEDIMENT.

11. SANDBAGGING: SANDBAGS MAY BE REQUIRED TO PREVENT RUNOFF ON HARDSCAPE AREAS THAT MAY NOT BE REMOVED AS PART OF DEMOLITION, AND DO NOT ALLOW FOR PROPER INSTALLATION OF SILT FENCE. SANDBAGS MAY BE USED ON EXISTING CONCRETE, ASPHALT, OR CURB AND GUTTER AREAS. SANGBAGS ARE TO BE USED TO ENSURE NO UNTREATED RUNOFF ESCAPES THE SITE.

12. INSTALLATION SEQUENCING: INLET PROTECTION, TEMPORARY SEDIMENT BASINS, SILT FENCE, AND OTHER BMPs INTENDED TO TRAP SEDIMENT ON SITE SHALL BE INSTALLED BEFORE LAND-DISTURBING ACTIVITIES TAKE PLACE. TEMPORARY SWALE/CONVEYANCE AND STABILIZED CONSTRUCTION ACCESS AND WASH-DOWN AREAS SHOULD BE CREATED IMMEDIATELY UPON INITIAL REMOVAL OF EXISTING MATERIAL AS A PRELIMINARY STEP IN THE SITE DEMOLITION PROCESS. INLET PROTECTION MEASURES SHOULD REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND ALL FINISH GRADE MATERIALS HAVE BEEN PLACED.

13. OTHER SELECTED BMPS: AS DETERMINED BY CONTRACTOR.

EROSION CONTROL KEYED NOTES:

1. INSTALL STORM DRAIN INLET PROTECTION PRIOR TO CONSTRUCTION ACTIVITIES OR IMMEDIATELY AFTER INLET INSTALLATION
2. INSTALL SILT FENCE OR OTHER PERIMETER CONTROL
3. SEDIMENT DEPOSITED ON ASPHALT TO BE REMOVED DAILY BY SWEEPING, SHOVELING, OR OTHER APPROVED METHOD
4. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S) AS NEEDED
5. CONCRETE WASHOUT BASIN (LINED)
SOLID WASTE CONTAINER
& CHEMICAL STORAGE AREA
6. EQUIPMENT & VEHICLE WASH-DOWN AREA
7. STOCKPILE AREA

STABILIZATION & POST-CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP(S)):

1. THE SITE SHALL BE STABILIZED ONCE FINAL GRADE HAS BEEN ACHIEVED AND LANDSCAPING HAS BEEN INSTALLED.
2. ONCE CONSTRUCTION IS COMPLETE, THE STORM DRAIN AND STORMWATER DETENTION SYSTEM SHALL BE STABILIZED, INSPECTED, AND MAINTAINED.
3. MAINTENANCE SHALL INCLUDE THE REMOVAL OF DEPOSITED SEDIMENT AS NECESSARY, ENSURING NO OBSTRUCTIONS OCCUR WHICH MAY IMPEDE DESIRED FLOWS.
4. INSPECTIONS SHALL TAKE PLACE AS DEFINED IN THE SWPPP OR FOLLOWING STORM EVENTS.
5. REFER TO THE CITY OF LOGAN STORMWATER MANAGEMENT BMP MAINTENANCE AGREEMENT FOR ADDITIONAL POST-CONSTRUCTION STORMWATER BMP MAINTENANCE INSTRUCTIONS.

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER
325 W 400 S
LOGAN UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

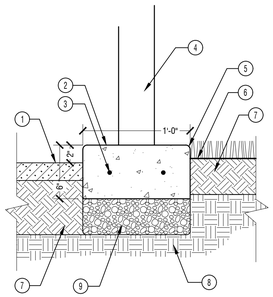
PROJECT #: 125054
DRAWN BY: J. DAY
CHECKED BY: L. ANDERSON
ISSUED: 05.23.2025

PROFESSIONAL ENGINEER
LANCE ANDERSON
13737220
5/23/25
STATE OF UTAH

CONSTRUCTION DRAWINGS

EROSION CONTROL PLAN
C-401

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



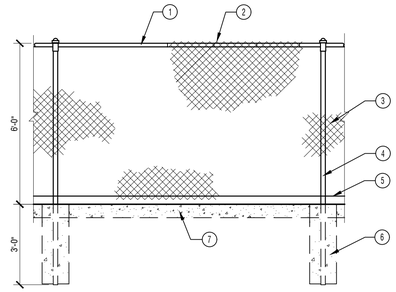
1. BARK MULCH, DEPTH PER PLANS
2. 12" X 6" CONCRETE MOWSTRIP BENEATH FENCE
3. #4 REINFORCED BAR CONT. LAP 12" AT SPLICES.
4. 4" FENCE POST. FOOTINGS PER DETAIL
5. 1/2" TROWELED EDGES
6. FINISH GRADE 1" FOR SOD, 1-1/2" FOR SEED
7. TOP SOIL PER SPECIFICATIONS
8. UNDISTURBED OR COMPACTED SUBGRADE
9. 6" COMPACTED AGGREGATE BASE

NOTE: PROVIDE CONSTRUCTION OR CONTROL JOINTS AT 5' O.C. MAX.

1 CONCRETE MOWSTRIP UNDER FENCE - 12"

1 1/2" = 1'-0"

P-1-LCSD-ECC-67

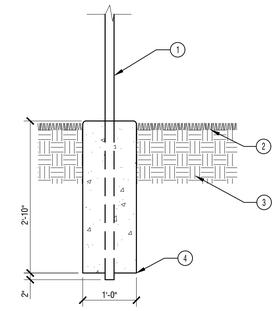


1. BLACK 1-5/8" TOP RAIL
2. KNUCKLED SELVAGE TOP & BOTTOM
3. BLACK VINYL COATED CHAIN LINK FABRIC
4. BLACK 1-7/8" DIA. LINE POSTS. PROVIDE AND INSTALL TENSION BAR ATTACHED TO CORNER AND END POST WITH TENSION BANDS WHERE OCCURS
5. TENSION WIRE
6. 12" DIA. X 36" DEEP CONCRETE FOOTINGS ON 4" BASE COURSE
7. 12" WIDE X 6" DEEP CONCRETE MOWSTRIP

2 CHAIN LINK FENCE - 6'

3/8" = 1'-0"

P-1-LCSD-ECC-08

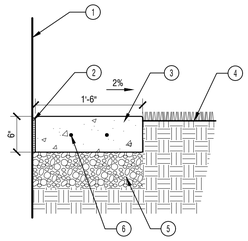


1. FENCE POST WHERE OCCURS
2. FINISH GRADE
3. SUBGRADE
4. FENCE POST FOOTING WHERE OCCURS ON 4" BASE COURSE

3 CHAIN LINK FENCE POST SECTION

3/4" = 1'-0"

P-1-LCSD-ECC-07



1. BUILDING OR RETAINING WALL WHERE OCCURS
2. EXPANSION JOINT AT BUILDING
3. 18" MIN. X 6" THICK CONCRETE MOWSTRIP
4. FINISH GRADE, 1" BELOW TOP OF MOWSTRIP FOR SOD, 1-1/2" FOR SEED.
5. 6" MIN. AGGREGATE BASE COURSE ON WELL COMPACTED SUBGRADE
6. (2) #4 BAR CONT. STEEL REINFORCEMENT

4 CONCRETE MOWSTRIP AT BUILDING - 18"

1" = 1'-0"

P-1-LCSD-ECC-09

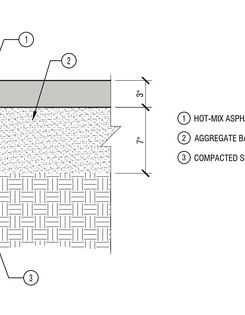
1. SPECIFIED TOPSOIL MIX
2. PLANTER BED, SEE PLANS FOR MATERIAL
3. 6" SQUARE CONCRETE MOWSTRIP
4. #3 REINFORCING BAR CONT. (OVERLAP 12" AT SPLICES)
5. 1/2" RADIUS TROWELED EDGE
6. FINISH GRADE 1" BELOW FOR SOD, 1/1-2" FOR SEED
7. TOP SOIL
8. UNDISTURBED OR COMPACTED SUBGRADE
9. 6" COMPACTED AGGREGATE BASE

NOTE: PROVIDE CONSTRUCTION OR CONTROL JOINTS AT 5' O.C. MAX.

5 CONCRETE MOWSTRIP - 6"

1 1/2" = 1'-0"

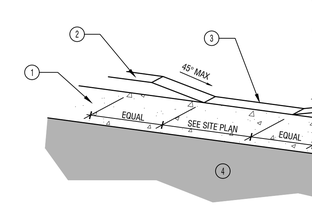
P-1-LCSD-ECC-20



6 PARKING STRIPING DETAIL

NOT TO SCALE

P-1-LCSD-ECC-211



1. CONCRETE WALK
2. ONE LAYER BUILDING FELT PAPER EXPANSION JOINT
3. CONCRETE CURB AND GUTTER
4. ASPHALT
5. COMPACTED GRAVEL

7 STAN. CURB & GUTTER - LOGAN CITY

1" = 1'-0"

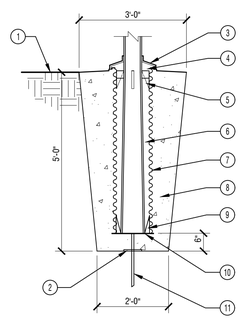
P-1-LCSD-ECC-04

1. CONCRETE WALK
2. ONE LAYER BUILDING FELT PAPER EXPANSION JOINT
3. CONCRETE CURB AND GUTTER
4. ASPHALT
5. COMPACTED GRAVEL

8 INVERTED CURB & GUTTER - LOGAN CITY

1" = 1'-0"

P-1-LCSD-ECC-05



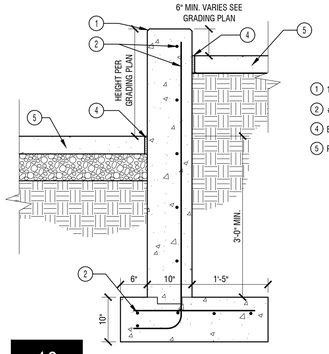
1. FINISH GRADE
2. 6"x6" STEEL SUPPORT PLATE
3. FLASH COLLAR
4. CAULKING COMPOUND
5. WOOD WEDGES
6. TAMPED WITH SCREENED DRY SAND
7. 16 GA. GALVANIZED CORRUGATED SLEEVE
8. 1:2:4 MIX CONCRETE, PROVIDE BASE COURSES UNDER FOOTING AS REQUIRED BY SPECS
9. STEEL CENTERING WEDGES
10. 3/16" STEEL PLATE
11. 3/4" DIA. LIGHTING GROUND SPIKE TO EXTEND 12" BELOW FOOTING

SEE SPECIFICATIONS FOR FLAGPOLE HEIGHT. PROVIDE ALL EQUIPMENT NECESSARY AND INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.

9 FLAG POLE FOOTING

1/2" = 1'-0"

P-1-LCSD-ECC-13

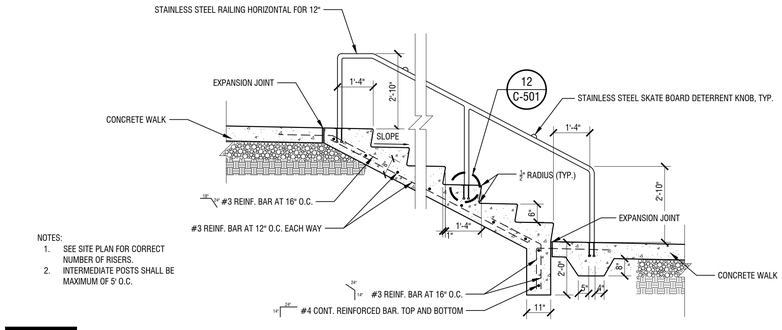


1. 1/2" CHAMFER
2. #4 REBAR AT 12" O.C.
4. EXPANSION JOINT
5. PARKING LOT

10 CONCRETE RETAINING WALL

3/4" = 1'-0"

P-1-LCSD-ECC-50

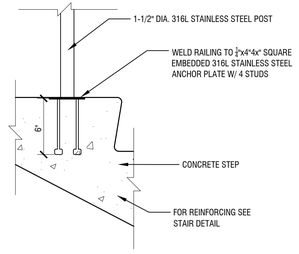


NOTES:
1. SEE SITE PLAN FOR CORRECT NUMBER OF RISERS.
2. INTERMEDIATE POSTS SHALL BE MAXIMUM OF 5' O.C.

11 STAIR SECTION

3/8" = 1'-0"

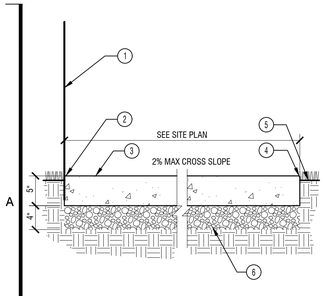
P-1-LCSD-ECC-47



12 STAIR RAILING POST

1 1/2" = 1'-0"

P-1-LCSD-ECC-49

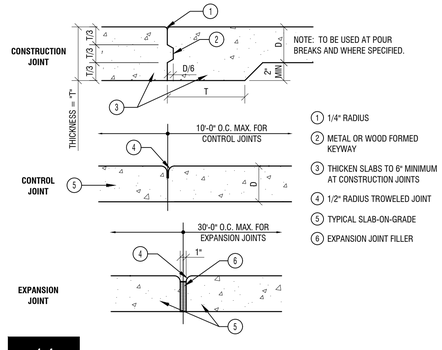


1. LINE OF BUILDING WHERE OCCURS
2. EXPANSION JOINT WHERE BUILDING OCCURS
3. CONCRETE PAVEMENT, ROUGH BROOM FINISH
4. TOOL EDGES
5. FINISH GRADE 1" BELOW TOP OF WALK FOR SOD; 1-1/2" FOR SEEDED LAWN
6. AGGREGATE BASE

13 CONCRETE WALK

1" = 1'-0"

P-1-LCSD-ECC-15



1. 1/4" RADIUS
2. METAL OR WOOD FORMED KEYWAY
3. THICKEN SLABS TO 6" MINIMUM AT CONSTRUCTION JOINTS
4. 1/2" RADIUS TROWELED JOINT
5. TYPICAL SLAB-ON-GRADE
6. EXPANSION JOINT FILLER

14 JOINT SECTIONS

1 1/2" = 1'-0"

P-1-LCSD-ECC-16

1. HOT-MIX ASPHALT PAVING
2. AGGREGATE BASE
3. COMPACTED SUB-GRADE

15 STANDARD DUTY ASPHALT

1 1/2" = 1'-0"

P-1-LCSD-ECC-03

1. 24-INCH GUTTER
2. 6-INCH CURB
3. FORMED CURB CUT WITH 45° MAX SIDE SLOPES
4. ASPHALT DRIVE

16 CURB CUT

1/4" = 1'-0"

1 2 3 4 5

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

STATE OF UTAH
BLAKE C. WRIGHT
(05.23.2025)
LICENSED LANDSCAPE ARCHITECT
(05101-5301)

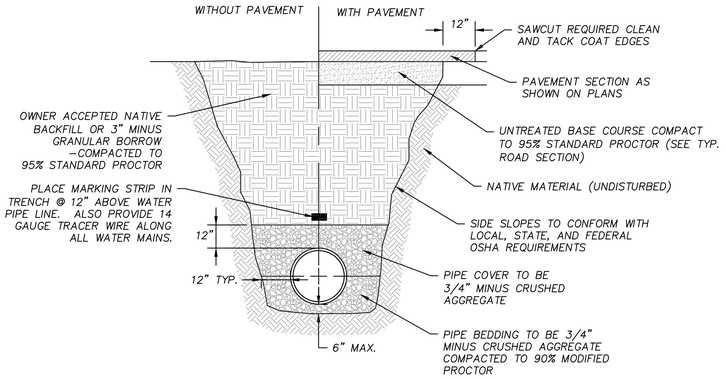
CONSTRUCTION DRAWINGS

SITE DETAILS

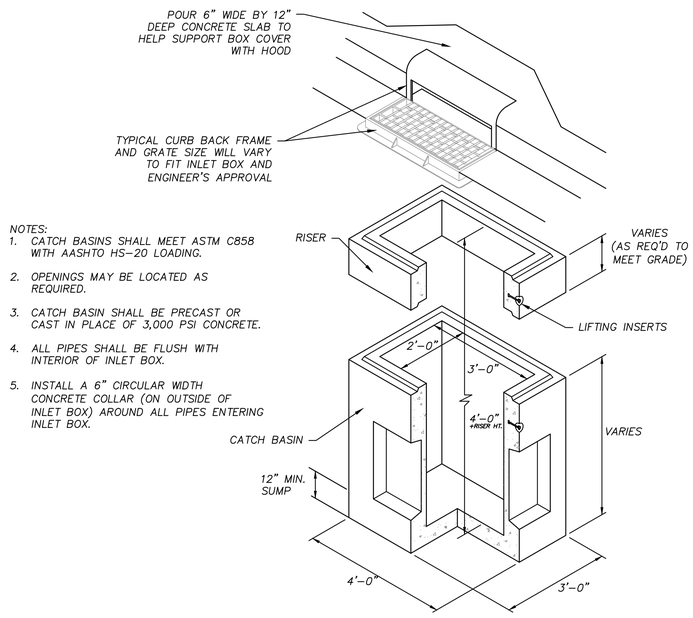
C-501

© COPYRIGHT DESIGN WEST ARCHITECTS 2025

7/8/2025 3:08:36 PM

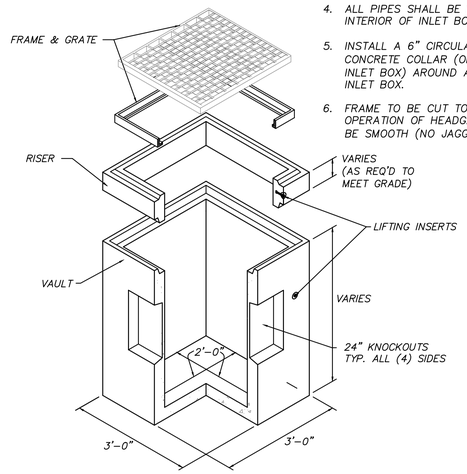


1 PLASTIC PIPE EXCAVATION & BACKFILL
SCALE: NTS



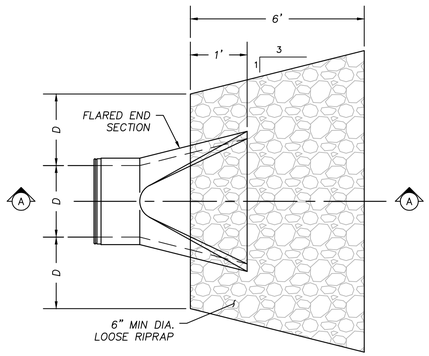
NOTES:
1. CATCH BASINS SHALL MEET ASTM C858 WITH AASHTO HS–20 LOADING.
2. OPENINGS MAY BE LOCATED AS REQUIRED.
3. CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.
4. ALL PIPES SHALL BE FLUSH WITH INTERIOR OF INLET BOX.
5. INSTALL A 6" CIRCULAR WIDTH CONCRETE COLLAR (ON OUTSIDE OF INLET BOX) AROUND ALL PIPES ENTERING INLET BOX.

2 2'X3' STORM DRAIN INLET
SCALE: NTS

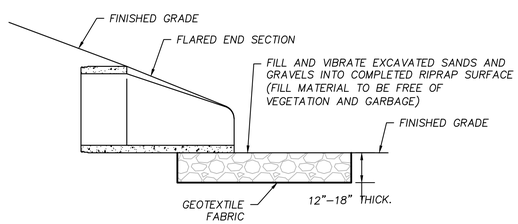


NOTES:
1. CATCH BASINS SHALL MEET ASTM C858 WITH AASHTO HS–20 LOADING.
2. OPENINGS MAY BE LOCATED AS REQUIRED.
3. CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.
4. ALL PIPES SHALL BE FLUSH WITH INTERIOR OF INLET BOX.
5. INSTALL A 6" CIRCULAR WIDTH CONCRETE COLLAR (ON OUTSIDE OF INLET BOX) AROUND ALL PIPES ENTERING INLET BOX.
6. FRAME TO BE CUT TO ALLOW FOR OPERATION OF HEADGATES. CUTS SHALL BE SMOOTH (NO JAGGED EDGES).

3 2'X2' STORM DRAIN INLET
SCALE: NTS



PLAN VIEW



SECTION A–A

4 FLARED END SECTION
SCALE: NTS

CONSTRUCTION DRAWINGS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER
325 W 400 S
LOGAN UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

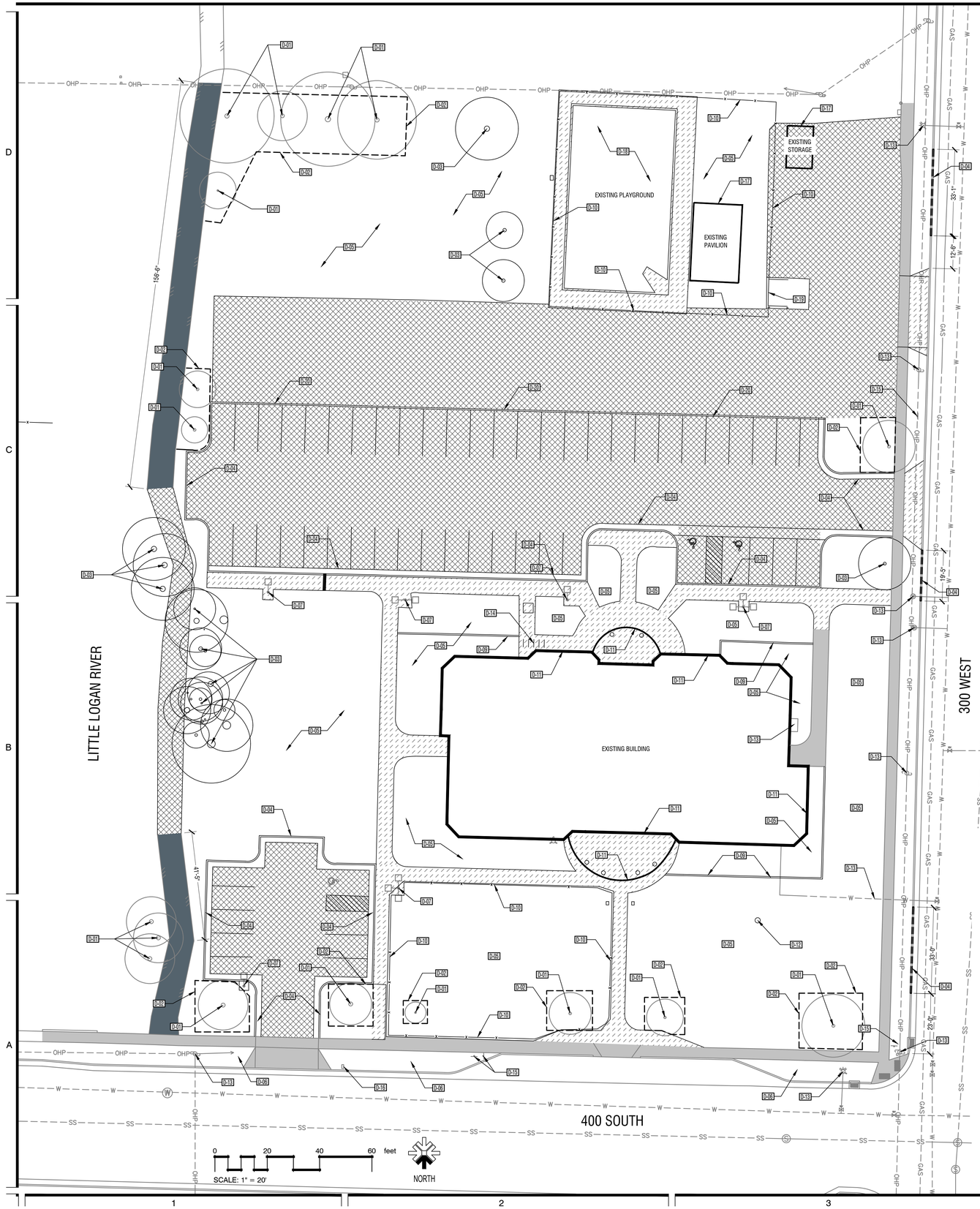
PROJECT #: 125054
DRAWN BY: J. DAY
CHECKED BY: L. ANDERSON
ISSUED: 05.23.2025

PROFESSIONAL ENGINEER
LANCE ANDERSON
#9373229
5/23/25
STATE OF UTAH

CIVIL UTILITY DETAILS

C-502

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



DEMOLITION NOTES

1. REMOVE OBSTRUCTIONS, TREES, SHRUBS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.
2. CUT MINOR ROOTS AND BRANCHES OF TREES INDICATED TO REMAIN IN A CLEAN AND CAREFUL MANNER WHERE SUCH ROOTS AND BRANCHES OBSTRUCT INSTALLATION OF NEW CONSTRUCTION.
3. GRIND STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS EXTENDING TO A DEPTH OF 18 INCHES BELOW EXPOSED SUBGRADE.
4. FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY SOIL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 8-INCH LOOSE DEPTH, AND COMPACT EACH LAYER TO A DENSITY EQUAL TO ADJACENT GROUND.
5. STRIP SUITABLE TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
6. STOCKPILE SURPLUS TOPSOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST. COORDINATE LOCATION WITH OWNER'S REPRESENTATIVE OR AT LOCATION SHOWN ON PLANS.
7. REMOVE EXISTING ABOVE- AND BELOW-GRADE STRUCTURES AS INDICATED AND AS NECESSARY TO FACILITATE NEW CONSTRUCTION.
8. AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAW CUT TO A CLEAN SMOOTH EDGE.
9. PROTECT EXISTING BUILDINGS, WALKS, DRIVES, CURBS, EXISTING VEGETATION, ETC. THAT ARE TO REMAIN. REPAIR ANY DAMAGES THAT MAY OCCUR TO EXISTING ITEMS TO BE PROTECTED.
10. ALL ITEMS TO BE REMOVED FROM THE PROJECT AND EXCESS MATERIALS SHALL BE LEGALLY DISPOSED OF OFFSITE BY THE CONTRACTOR.
11. CONTINUOUSLY CLEAN-UP AND REMOVE WASTE MATERIALS FROM SITE. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
12. DO NOT BURN OR BURY MATERIALS ON SITE. LEAVE SITE IN CLEAN CONDITION.

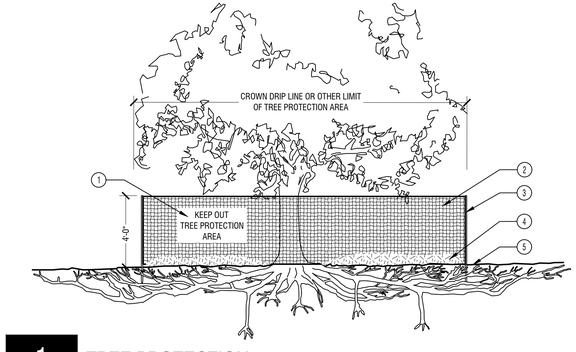
TREE PROTECTION NOTES

1. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PLACE FOUR-FOOT TALL CONSTRUCTION FENCE AROUND THE CRITICAL ROOT ZONE OF THE TREE. REMOVE FENCE ONLY AS NECESSARY FOR DAILY CONSTRUCTION, FENCE SHALL REMAIN IN PLACE DURING CONSTRUCTION TO PREVENT UNINTENDED IMPACTS.
2. THE TREE'S CRITICAL ROOT ZONE SHALL BE AT TREE'S CANOPY DRIP LINE OR A RADIUS OF TWELVE-TIMES THE DIAMETER OF THE TRUNK AT 4.5-FOOT DBH (DIAMETER AT BREAST HEIGHT) WHICHEVER IS LARGER.
3. IN THE CRITICAL ROOT ZONE:
   - A. DO NOT ALTER OR DISTURB EXISTING GRADE.
   - B. DO NOT STORE ANY CONSTRUCTION MATERIALS, EQUIPMENT, SOIL OR DEBRIS.
   - C. DO NOT DISPOSE OF ANY LIQUIDS E.G. CONCRETE, GAS, OIL, PAINT, ETC.
   - D. DO NOT PERMIT VEHICLES, EQUIPMENT, OR FOOT TRAFFIC.
   - E. AVOID TRENCHING.
   - F. AVOID CONSTRUCTION ACTIVITY THAT WILL COMPACT THE SOIL.
4. IF CONSTRUCTION WORK DOES ENCROACH INTO THE CRITICAL ROOT ZONE THEN LIMIT ENCROACHMENT TO LESS THAN TWENTY-FIVE PERCENT OF THE TOTAL AREA, AND NO CLOSER TO THE TRUNK THAT ONE-HALF THE RADIUS OF THE CRITICAL ROOT ZONE. PROVIDE FIVE-INCHES OF MULCH AND A PROTECTIVE MAT OVER THE IMPACTED ROOT AREA.
5. IF TRENCHING IS REQUIRED IN THE ROOT AREA, BORE UNDER THE ROOTING AREA AT A MINIMUM DEPTH OF THIRTY-INCHES. IF A TRENCH FOR AN IRRIGATION HEAD IS NEEDED IN THE ROOT ZONE AREA, TRENCH IN A DIRECT LINE TOWARDS THE TRUNK TO MINIMIZE ROOT DAMAGE.
6. PROVIDE WATER TO THE TREES DURING CONSTRUCTION TO MAINTAIN TREE HEALTH.
7. REPAIR OR REPLACE TREES AND VEGETATION INDICATED TO REMAIN THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY LANDSCAPE ARCHITECT.
   - A. SUBMIT DETAILS OF PROPOSED REPAIRS AND TO REPAIR DAMAGE TO TREES AND SHRUBS.
   - B. REPLACE TREES THAT CANNOT BE REPAIRED AND RESTORED TO FULL-GROWTH STATUS, AS DETERMINED BY A QUALIFIED ARBORIST.

LEGEND

SYMBOL	DEMOLITION DESCRIPTION	QTY	DETAIL
D-01	PRESERVE AND PROTECT TREE IN PLACE		1/C-001
D-02	TREE PROTECTION FENCE		1/C-001
D-03	REMOVE TREE		
D-04	DEMOLISH AND REMOVE CURB AND GUTTER		
D-05	DEMOLISH AND REMOVE LANDSCAPE AREA		
D-06	LANDSCAPE AREA TO REMAIN		
D-07	REMOVE LIGHT POLES AND CONCRETE BASE - return light poles and fixtures to Logan City School District.		
D-09	REMOVE LANDSCAPE MOWSTRIP		
D-10	DEMOLISH AND REMOVE FENCE		
D-11	SEE ARCHITECTURE PLANS FOR FACADE RENOVATIONS		
D-12	RELOCATE FLAGPOLE PER SITE PLAN		
D-13	UTILITIES TO REMAIN IN PLACE UNLESS SPECIFICALLY NOTED ON ARCHITECTURAL, ELECTRICAL, OR MECHANICAL PLANS		
D-14	REMOVE BIKE RACK - return to Logan City School District		
D-15	PRESERVE AND PROTECT SIGN IN PLACE		
D-16	PRESERVE AND PROTECT MAILBOX IN PLACE		
D-17	REMOVE EXISTING BUILDING		
D-18	RELOCATE PLAYGROUND & SOFT FALL MULCH PER SITE PLAN		
D-19	REMOVE TRASH ENCLOSURE & RELOCATE TRASH CONTAINERS TO NEW ENCLOSURE PER SITE PLAN		
D-20	REMOVE RETAINING WALL		

SYMBOL	DEMOLITION DESCRIPTION	QTY	DETAIL
	EXISTING CONCRETE WALK TO REMAIN	3,566 sf	
	EXISTING ASPHALT WALK/PARKING LOT TO REMAIN	3,642 sf	
	EXISTING CONCRETE TO BE REMOVED	8,068 sf	
	EXISTING ASPHALT TO BE REMOVED	32,982 sf	
	TREE PROTECTION FENCE		



1. 8.5"X11" LAMINATED SIGN IN PLASTIC SPACED EVERY 50' ALONG FENCE
2. TREE PROTECTION FENCE. HIGH DENSITY POLYETHYLENE FENCING WITH 3.5"X1.5" OPENINGS; COLOR = ORANGE
3. 2"X6" STEEL POSTS OR APPROVED EQUAL AT 8'-0" O.C.
4. 5" THICK LAYER OF MULCH TO PROTECT TREE ROOTS IF VEHICLES MUST CROSS ROOT ZONE
5. MAINTAIN EXISTING GRADE WITH TREE PROTECTION FENCE UNLESS OTHERWISE INDICATED ON PLANS

NOTES:
1. SEE SPECIFICATION FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. IF THERE IS NO EXISTING IRRIGATION OR IRRIGATION IS CUT OFF, SEE SPECIFICATION FOR WATERING REQUIREMENTS.
3. NO PRUNING SHALL BE PERFORMED EXCEPT BY AN APPROVED ARBORIST.
4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
5. GRUBBING AND CLEARING WITHIN TREE PROTECTION AREAS TO BE COMPLETED BY HAND.

1 TREE PROTECTION
1/4" = 1'-0"

URBAN TREE FOUNDATION © 2014
OPEN SOURCE FREE TO USE

P-1-LCSD-ECC-21

CONSTRUCTION DRAWINGS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

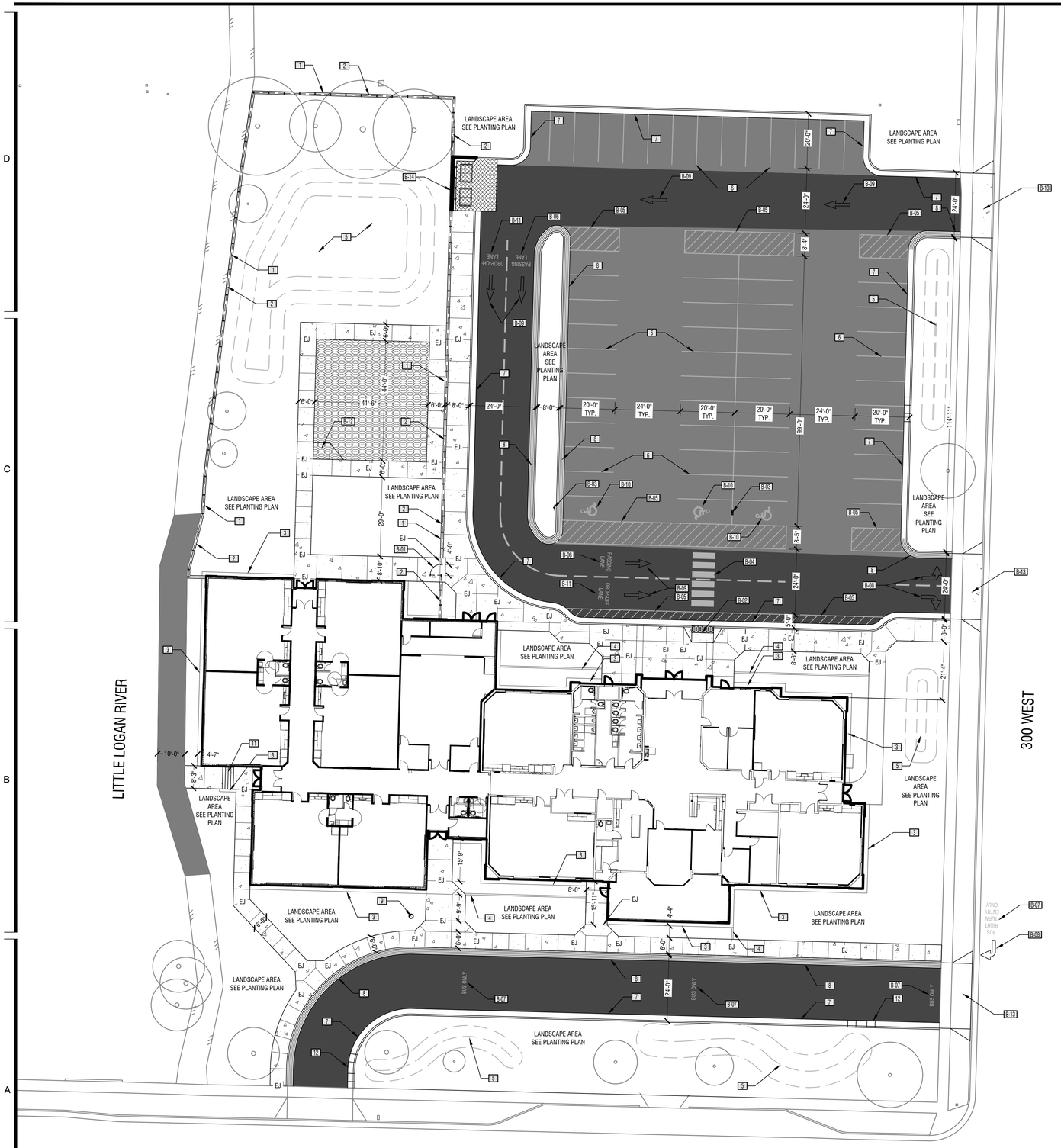
PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

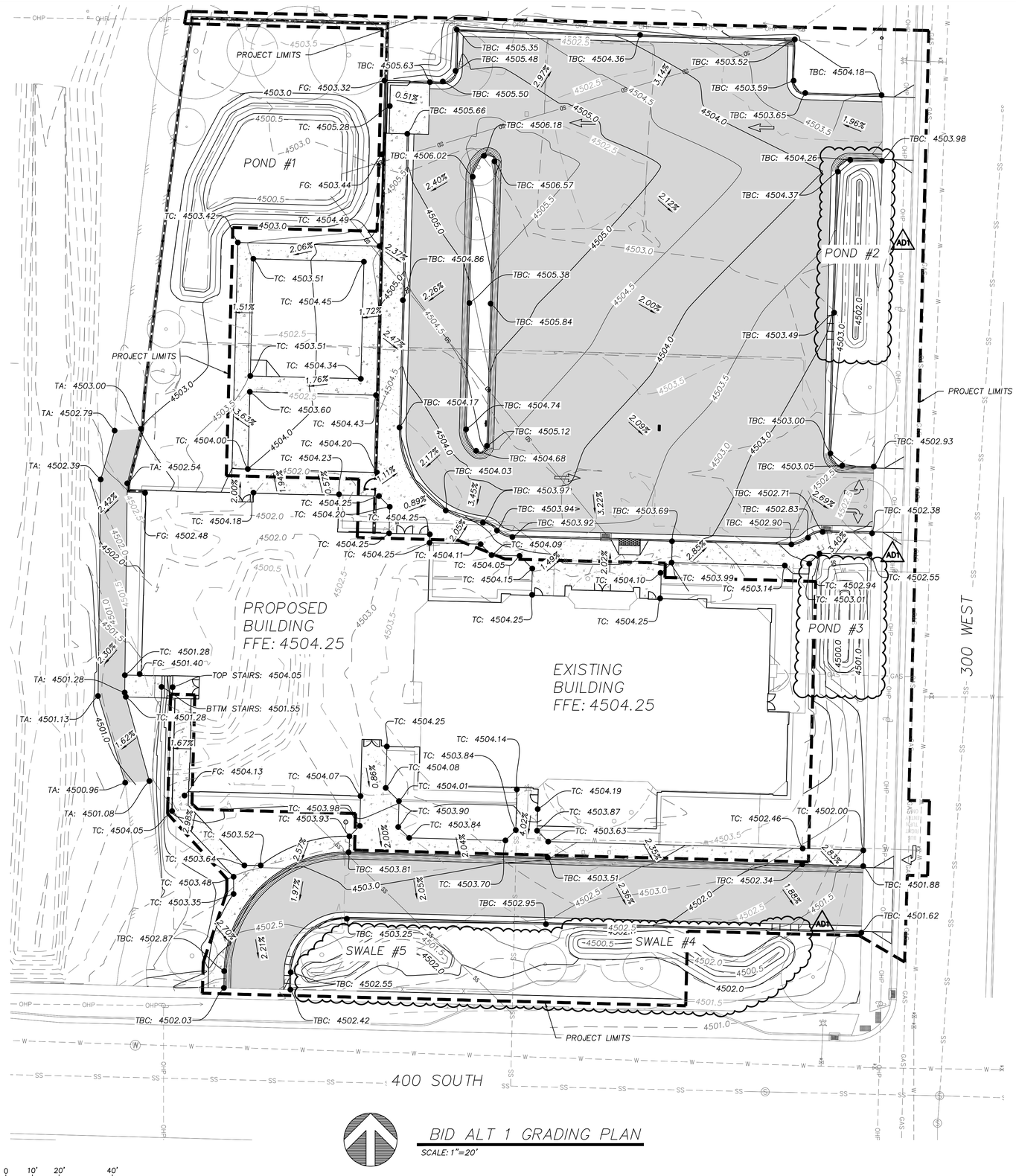
STATE OF UTAH
BLAKE C. WRIGHT
05.23.2025
105101-5301
LICENSED LANDSCAPE ARCHITECT

BID ALT 1
DEMOLITION PLAN

C-601

© COPYRIGHT DESIGN WEST ARCHITECTS 2025


LANDSCAPE AREA SEE PLANTING PLAN
LANDSCAPE AREA SEE PLANTING PLAN
LANDSCAPE AREA SEE PLANTING PLAN



BID ALT 1 GRADING PLAN

SCALE: 1"=20'

GRAPHIC SCALE 1"= 20'

GRADING LEGEND

- 4500 — EXIST. MAJOR CONTOUR (2' INT)
- 4501 — EXIST. MINOR CONTOUR (0.5' INT)
- 4500.0 — PROP. MAJOR CONTOUR (1.0' INT)
- 4500.5 — PROP. MINOR CONTOUR (0.5' INT)
- GRADE BREAK
- DAYLIGHT LINE

LEGEND

TA: XX.XX	TOP OF ASPHALT
FG: XX.XX	FINISHED GRADE
TC: XX.XX	TOP OF CONCRETE
TBC XX.XX	TOP BACK OF CURB
GB:	GRADE BREAK
FFE:	FINISHED FLOOR ELEVATION

POND DESIGN:

PRECIPITATION (100 YR/24 HR)	3.02 IN.
PROJECT AREA	0.63 AC.
EXISTING HYDRAULIC SOIL GROUP	B
PERCOLATION RATE	0.6 IN/HR

PRE-DEVELOPMENT

AREA	0.85 AC.
CN	98.0
AREA	0.64 AC.
CN	61.0
TOTAL AREA	1.49 AC.
CN	82.11

POST-DEVELOPMENT

IMPERVIOUS AREA	0.84 AC.
CN	98.0
PERVIOUS AREA	0.65 AC.
CN	61.0
TOTAL AREA	1.49 AC.
CN	81.86

0.2 CFS ACRE*1.49 ACRE — 0.298 CFS RELEASE ALLOWED

90TH% STORM EVENT (0.60 IN.) — 3,242 CU. FT.

NEW DEVELOPMENT VOLUME REQUIRED — 2,965 CU. FT.

EXISTING POND VOLUME — 2,700 CU. FT.

TOTAL VOLUME REQUIRED — 5,942 CU. FT.

POND #1	4,664 CU, FT
POND #2	271 CU, FT
POND #3	221 CU, FT
SWALE #4	600 CU, FT
SWALE #5	227 CU, FT
TOTAL VOLUME PROVIDED	5,983 CU. FT.

ADI

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER
325 W 400 S
LOGAN UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:
ADI	04.25.2022	ADI; ADDENDUM 1-BID ALTERNATE UPDATES

PROJECT #: 125054
DRAWN BY: J. DAY
CHECKED BY: L. ANDERSON
ISSUED: 05.23.2025

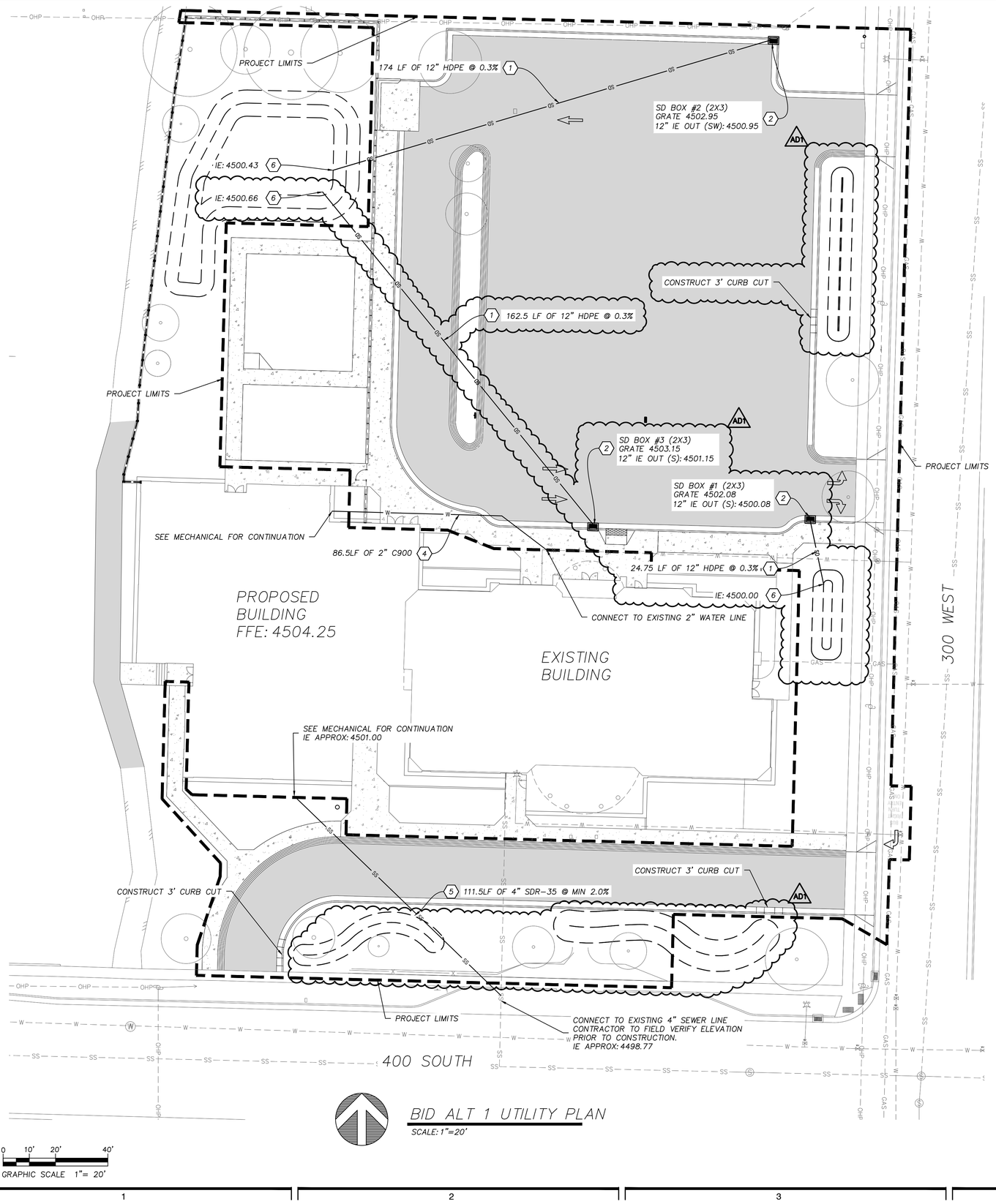
CONSTRUCTION DRAWINGS



BID ALT 1
GRADING PLAN

C-621

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



BID ALT 1 UTILITY PLAN

SCALE: 1"=20'

UTILITY PLAN NOTES

1. MAINTAIN A MINIMUM OF 5 FT. OF COVER ABOVE ALL PROPOSED WATER LINES.
2. MAINTAIN MINIMUM 2% SLOPE ON ALL SEWER LATERALS.
3. ALL WATER LINE TO BE C900 PVC.
4. ALL SEWER LINES TO BE PVC SDR-35.
5. ALL STORM DRAIN BOXES TO HAVE MINIMUM 1FT SUMP UNLESS SPECIFIED OTHERWISE.
6. CONTACT LOGAN CITY LIGHT AND POWER FOR INSTALLATION OF UNDERGROUND POWER LINES TO PROPOSED BUILDING.
7. CONTACT PERTINENT UTILITY COMPANY FOR INSTALLATION OF COMMUNICATION LINES TO PROPOSED BUILDING.
8. FIELD VERIFY DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITY LINES, REPORT ANY CONFLICTS WITH PROPOSED UTILITY CROSSINGS TO ENGINEER.

UTILITY CONSTRUCTION NOTES

1. INSTALL HDPE PIPE PER DETAIL 1, SEE SHEET C-5.0 (SEE PLAN FOR SIZE AND TYPE)
2. INSTALL 2X3 STORM DRAIN INLET BOX PER DETAIL 2, SEE SHEET C-5.0
3. INSTALL 2X2 STORM DRAIN INLET BOX PER DETAIL 3, SEE SHEET C-5.0
4. INSTALL 2" C900 WATER LINE PER DETAIL 1, SEE SHEET C-5.0
5. INSTALL 4" SDR-35 PVC SEWER LINE PER DETAIL 1, SEE SHEET C-5.0
6. INSTALL FLARED END SECTION PER DETAIL 4, SEE SHEET C-5.0

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER
325 W 400 S
LOGAN UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:
AD1	04.25.2022	AD1: ADDENDUM 1-BID ALTERNATE UPDATES

PROJECT #: 125054
DRAWN BY: J. DAY
CHECKED BY: L. ANDERSON
ISSUED: 05.23.2025

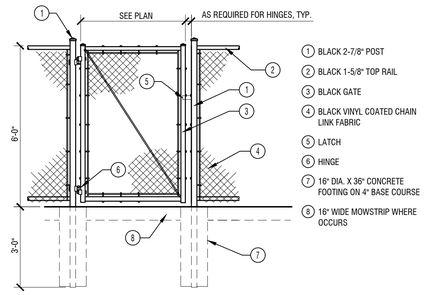
PROFESSIONAL ENGINEER
LANCE ANDERSON
#8373-2202
05/23/25
STATE OF UTAH

CONSTRUCTION DRAWINGS

BID ALT 1
UTILITY PLAN

C-631

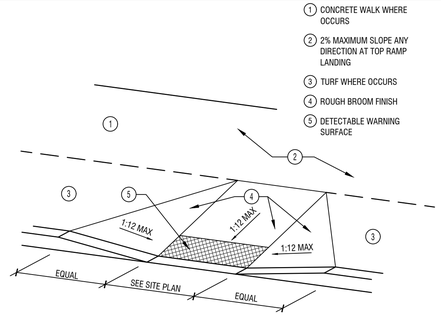
© COPYRIGHT DESIGN WEST ARCHITECTS 2025



1 CHAIN LINK SINGLE GATE - 6' TALL

3/8" = 1'-0"

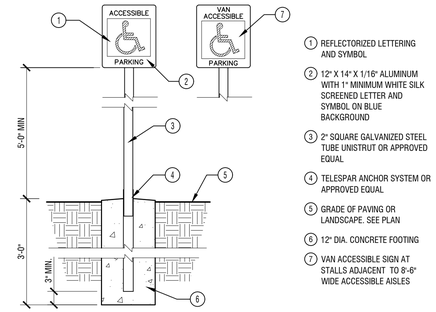
P-1-LCSD-ECC-12



2 PERPENDICULAR CURB RAMP

1/4" = 1'-0"

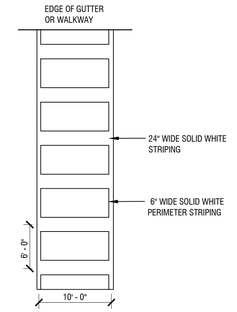
P-1-LCSD-ECC-18



3 ADA SIGN

3/4" = 1'-0"

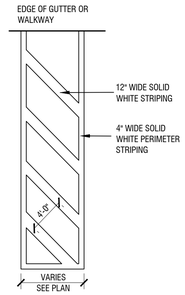
P-1-LCSD-ECC-48



4 CROSSWALK STRIPING

NOT TO SCALE

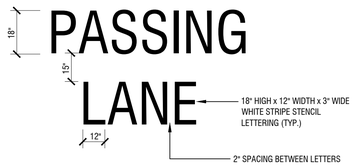
P-1-LCSD-ECC-209



5 NO PARKING STRIPING

NOT TO SCALE

P-1-LCSD-ECC-208

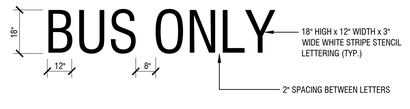


STENCIL MARKING NOTES:
- TEXT MARKING TO BE CENTERED IN TRAFFIC LANE WHERE SHOWN ON SITE PLANS.

6 PASSING LANE PAVEMENT MARKING

NOT TO SCALE

P-1-LCSD-ECC-216

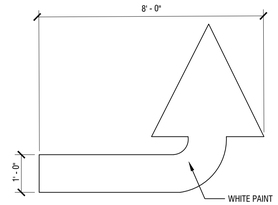


STENCIL MARKING NOTES:
- TEXT MARKING TO BE CENTERED IN TRAFFIC LANE WHERE SHOWN ON SITE PLANS.

7 BUS ONLY PAVEMENT MARKING

NOT TO SCALE

P-1-LCSD-ECC-218

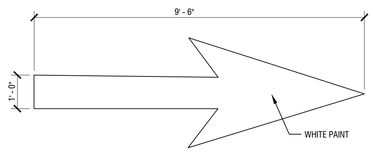


NOTE: USE MIRRORED STENCIL FOR RIGHT HAND TURN MARKING

8 TURN ARROW MARKING

NOT TO SCALE

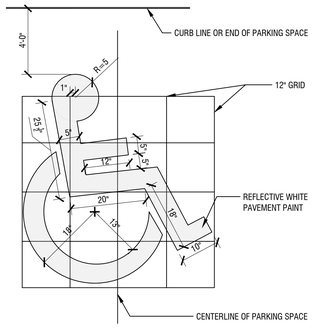
P-1-LCSD-ECC-213



9 THROUGH LANE ARROW MARKING

NOT TO SCALE

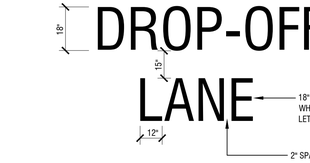
P-1-LCSD-ECC-214



10 ADA PARKING SYMBOL

NOT TO SCALE

P-1-LCSD-ECC-22

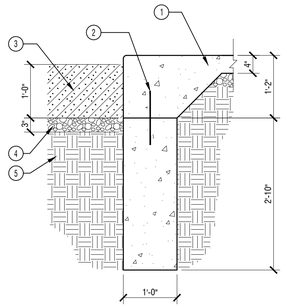


STENCIL MARKING NOTES:
- TEXT MARKING TO BE CENTERED IN TRAFFIC LANE WHERE SHOWN ON SITE PLANS.

11 DROP-OFF LANE PAVEMENT MARKING

NOT TO SCALE

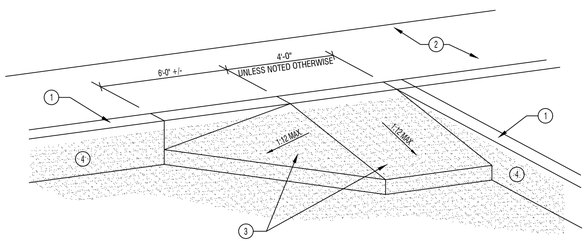
P-1-LCSD-ECC-215



13 PLAYGROUND EDGE AT WALK

3/4" = 1'-0"

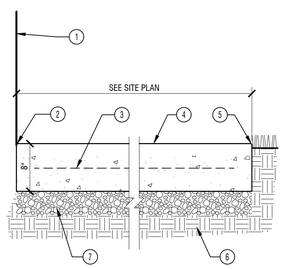
P-1-LCSD-ECC-10



12 PLAYGROUND RAMP

3/8" = 1'-0"

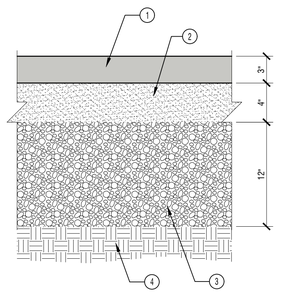
P-1-LCSD-ECC-17



14 HEAVY CONCRETE WALK

1" = 1'-0"

P-1-LCSD-ECC-14



15 HEAVY DUTY ASPHALT

1 1/2" = 1'-0"

P-1-LCSD-ECC-06

CONSTRUCTION DRAWINGS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

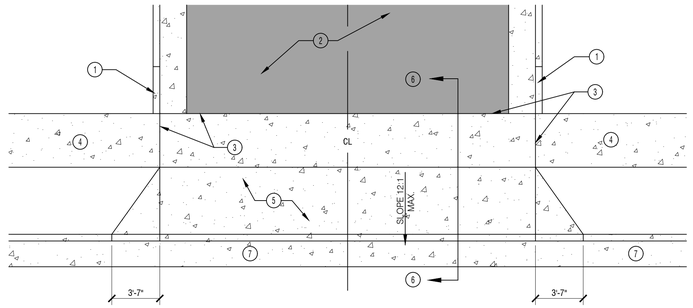
STATE OF UTAH
BLAKE C. WRIGHT
(05.23.2025)
105101-5301
LICENSED LANDSCAPE ARCHITECT

BID ALT 1 SITE DETAILS

C-651

© COPYRIGHT DESIGN WEST ARCHITECTS 2025

5/5/2025 3:08:36 PM

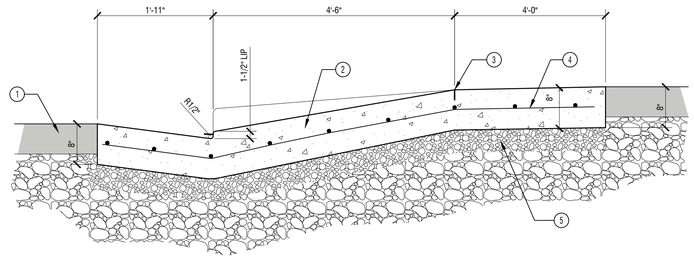


1 TAPER CURB
2 HOT-MIX ASPHALT PAVING
3 EXPANSION JOINT
4 CONCRETE WALK
5 CONCRETE APRON
6 SEE SECTION VIEW DETAIL
7 FLOWLINE OF GUTTER

1 DRIVE APPROACH - PLAN VIEW

3/16" = 1'-0"

P-1-LCSD-ECC-01

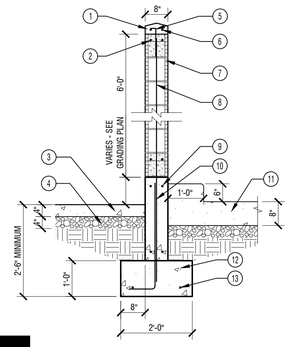


1 HOT-MIX ASPHALT PAVING AND REQUIRED BASE COURSES
2 CONCRETE APRON AND GUTTER
3 CONTRACTION JOINT
4 #4 STEEL REINFORCEMENT AT 12" O.C. BOTH WAYS
5 6" COMPACTED ROAD BASE OVER UNDISTURBED NATIVE GRAVELS OR IMPORTED AND COMPACTED ENGINEERED FILL

2 DRIVE APPROACH - SECTION VIEW

3/4" = 1'-0"

P-1-LCSD-ECC-02



1 4"x8" PRECAST CONCRETE CAP FLUSH WITH WALL ON BOTH SIDES
2 (2) #4 REINFORCED BAR (HORIZ.) IN TOP AND BOTTOM COURSES, REINFORCED BOND BEAMS AT 48" O.C.
3 CONCRETE PAVING OR FINISH GRADE, SEE LAYOUT PLAN
4 AGGREGATE BASE
5 #4 BAR AT 16" O.C.
6 (2) #4 BARS CONT. (HORIZ.)
7 8"x8"x16" SMOOTH CMU, MATCH BUILDING
8 #5 REINFORCED BAR AT 32" O.C. (VERT.) AT CENTERLINE OF WALL
9 (2) #4 REINFORCED BARS CONT. TOP AND BOTTOM
10 #5 REINFORCED BAR AT 16" O.C. (VERT.)
11 HEAVY CONCRETE
12 CONCRETE FOOTING
13 (2) #5 REINFORCED BARS

3 DUMPSTER CMU SCREEN WALL - LOGAN CITY

1/2" = 1'-0"

P-1-LCSD-ECC-11

CONSTRUCTION DRAWINGS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

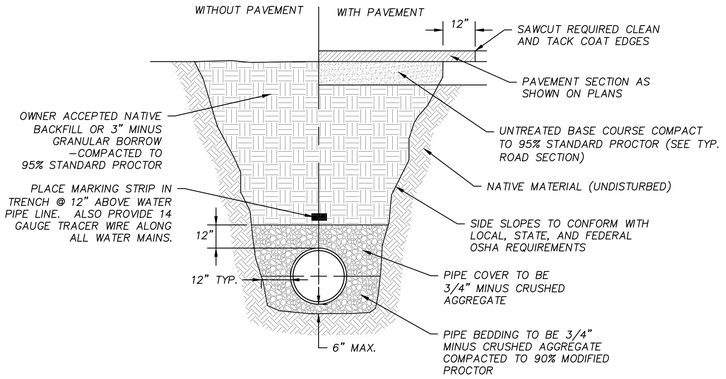
STATE OF UTAH
BLAKE C. WRIGHT
(5.23.2025)
155101-5301
LICENSED LANDSCAPE ARCHITECT

BID ALT 1 SITE DETAILS

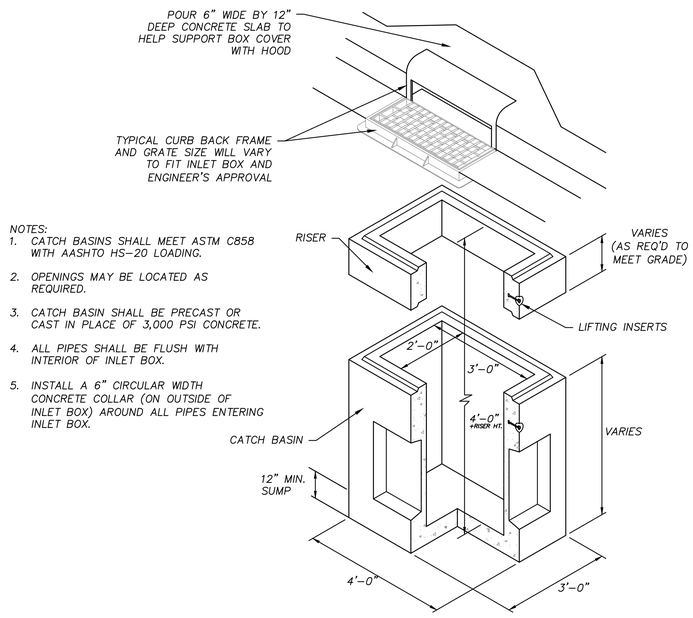
C-652

© COPYRIGHT DESIGN WEST ARCHITECTS 2025

7/8/2025 3:08:36 PM

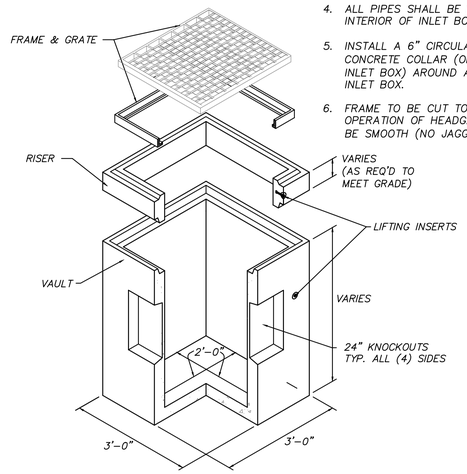


1 PLASTIC PIPE EXCAVATION & BACKFILL
SCALE: NTS



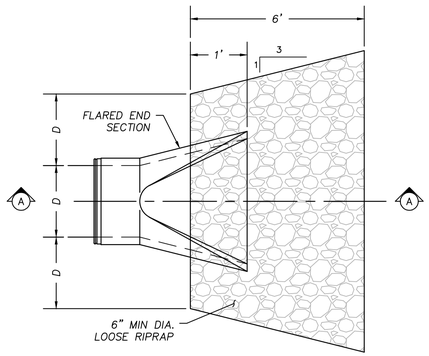
NOTES:
1. CATCH BASINS SHALL MEET ASTM C858 WITH AASHTO HS–20 LOADING.
2. OPENINGS MAY BE LOCATED AS REQUIRED.
3. CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.
4. ALL PIPES SHALL BE FLUSH WITH INTERIOR OF INLET BOX.
5. INSTALL A 6" CIRCULAR WIDTH CONCRETE COLLAR (ON OUTSIDE OF INLET BOX) AROUND ALL PIPES ENTERING INLET BOX.

2 2'X3' STORM DRAIN INLET
SCALE: NTS

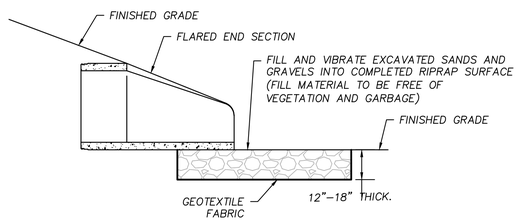


NOTES:
1. CATCH BASINS SHALL MEET ASTM C858 WITH AASHTO HS–20 LOADING.
2. OPENINGS MAY BE LOCATED AS REQUIRED.
3. CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.
4. ALL PIPES SHALL BE FLUSH WITH INTERIOR OF INLET BOX.
5. INSTALL A 6" CIRCULAR WIDTH CONCRETE COLLAR (ON OUTSIDE OF INLET BOX) AROUND ALL PIPES ENTERING INLET BOX.
6. FRAME TO BE CUT TO ALLOW FOR OPERATION OF HEADGATES. CUTS SHALL BE SMOOTH (NO JAGGED EDGES).

3 2'X2' STORM DRAIN INLET
SCALE: NTS



PLAN VIEW



SECTION A–A

4 FLARED END SECTION
SCALE: NTS

CONSTRUCTION DRAWINGS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER
325 W 400 S
LOGAN UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

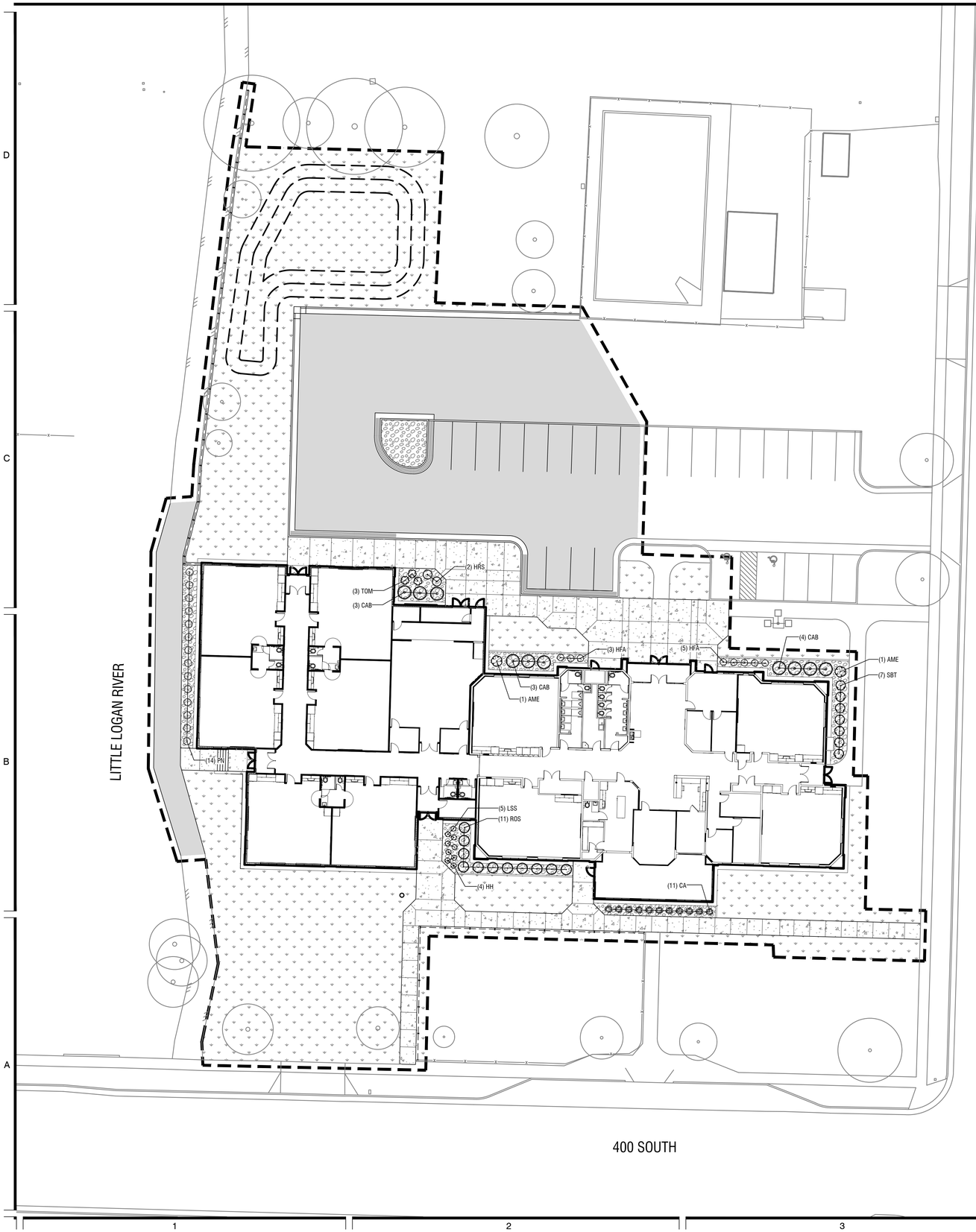
PROJECT #: 125054
DRAWN BY: J. DAY
CHECKED BY: L. ANDERSON
ISSUED: 05.23.2025

PROFESSIONAL ENGINEER
LANCE ANDERSON
#9373229
STATE OF UTAH
12/23/25

BID ALT 1
UTILITY DETAILS

C-653

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



PLANTING NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS PERTAINING TO THIS PLAN AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
2. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
3. CONTRACTOR SHALL REPAIR ALL DAMAGES CAUSED BY OPERATIONS (WHICH OCCUR ON OR OFF SITE) TO THE ARCHITECT'S AND OWNER'S SATISFACTION.
4. ALL QUANTITIES SHOWN ARE APPROXIMATE AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. IN THE CASE OF ANY DISCREPANCIES, PLANS SHALL OVER-RIDE THE LANDSCAPE AND BID SCHEDULE QUANTITIES. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLANS AND BASE THEIR BID ACCORDINGLY.
5. DO NOT MAKE UNAPPROVED SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY FROM AT LEAST FIVE SOURCES TO LANDSCAPE ARCHITECT, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL FOR FINAL APPROVAL.
6. LAYOUT INDIVIDUAL TREE AND PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS, STAKE LOCATIONS, AND OUTLINE AREAS AND SECURE ARCHITECT'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS MAY BE DIRECTED.
7. INSTALL DEWITT PRO-5 WEED BARRIER UNDER MULCH. FABRIC SHALL BE INSTALLED AFTER PRE-EMERGENT HAS BEEN APPLIED. CUT AN "X" SHAPE IN WEED BARRIER FOR PLANTS AND STAPLE FOLDS DOWN INTO SOIL. USE FABRIC STAPLES EVERY FIVE FEET ON CENTER IN PLANTER BED.
8. REPAIR ALL LANDSCAPING WHERE NEW CONSTRUCTION MEETS EXISTING.
9. PERFORM PERCOLATION TEST ON ALL TREE PLANTING HOLES AND PLANTING BEDS PRIOR TO PLANTING. INFORM LANDSCAPE ARCHITECT OF CONDITIONS OF POOR DRAINAGE.
10. LANDSCAPE CONTRACTOR SHALL COORDINATE AND ADJUST PLANT PLACEMENT WITH SPRINKLERS. PLANTS SHALL NOT BE PLACED WITHIN 12 INCHES OF A SPRINKLER HEAD.
11. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL PLANT MATERIALS INCLUDING SOD AREAS IN A HEALTHY STATE DURING CONSTRUCTION. ANY DAMAGE TO PLANT MATERIAL DUE TO NEGLECT BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
12. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PLACE CONSTRUCTION FENCE AROUND THE TREE AT THE CANOPY DRIP LINE AND AVOID ANY COMPACTION OF THE PROTECTED AREA OF TREE ROOTS. PROVIDE WATER TO THE TREES TO MAINTAIN TREE HEALTH.
13. SEE SHEET L-501 LANDSCAPE DETAILS.

LEGEND

SYMBOL	LANDSCAPE DESCRIPTION	QTY	DETAIL
	TURF GRASS - sod, kentucky bluegrass, 3-variety minimum blend	17,709 sf	1/L-501
	PLANTER BED - 3"-4" washed angular rock, 3" depth with Dewitt Pro 5 weed barrier beneath, color to be chosen by architect based on local availability	1,994 sf	2/L-501

PLANT SCHEDULE

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	AME	2	Amelanchier alnifolia 'Obelisk' TM / Standing Ovation Serviceberry	5 gal
	CAB	10	Cornus alba `Bailhalo` TM / Ivory Halo Dogwood	5 gal
	ROS	11	Rosa x 'Radtko' / Double Knock Out Red Rose	5 gal
	SBT	7	Spiraea betulifolia 'Tor' / Tor Birchleaf Spirea	5 gal
	TOM	3	Taxus x media `Hicksii` / Hicks Yew	5 gal
GRASSES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**
	CA	11	Calamagrostis x acutiflora 'Avalanche' / Avalanche Feather Reed Grass	1 gal
	PN	14	Panicum virgatum 'Northwind' / Northwind Switch Grass	1 gal
PERENNIALS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**
	HH	4	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	1 gal
	HFA	8	Hosta fortunei `Aureomarginata` / Hosta	1 gal
	HRS	2	Hosta x `Royal Standard` / Royal Standard Hosta	1 gal
	LSS	5	Leucanthemum x superbum 'Snowcap' / Snowcap Shasta Daisy	1 gal

0 20 40 60 feet
SCALE: 1" = 20'

NORTH

CONSTRUCTION DRAWINGS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

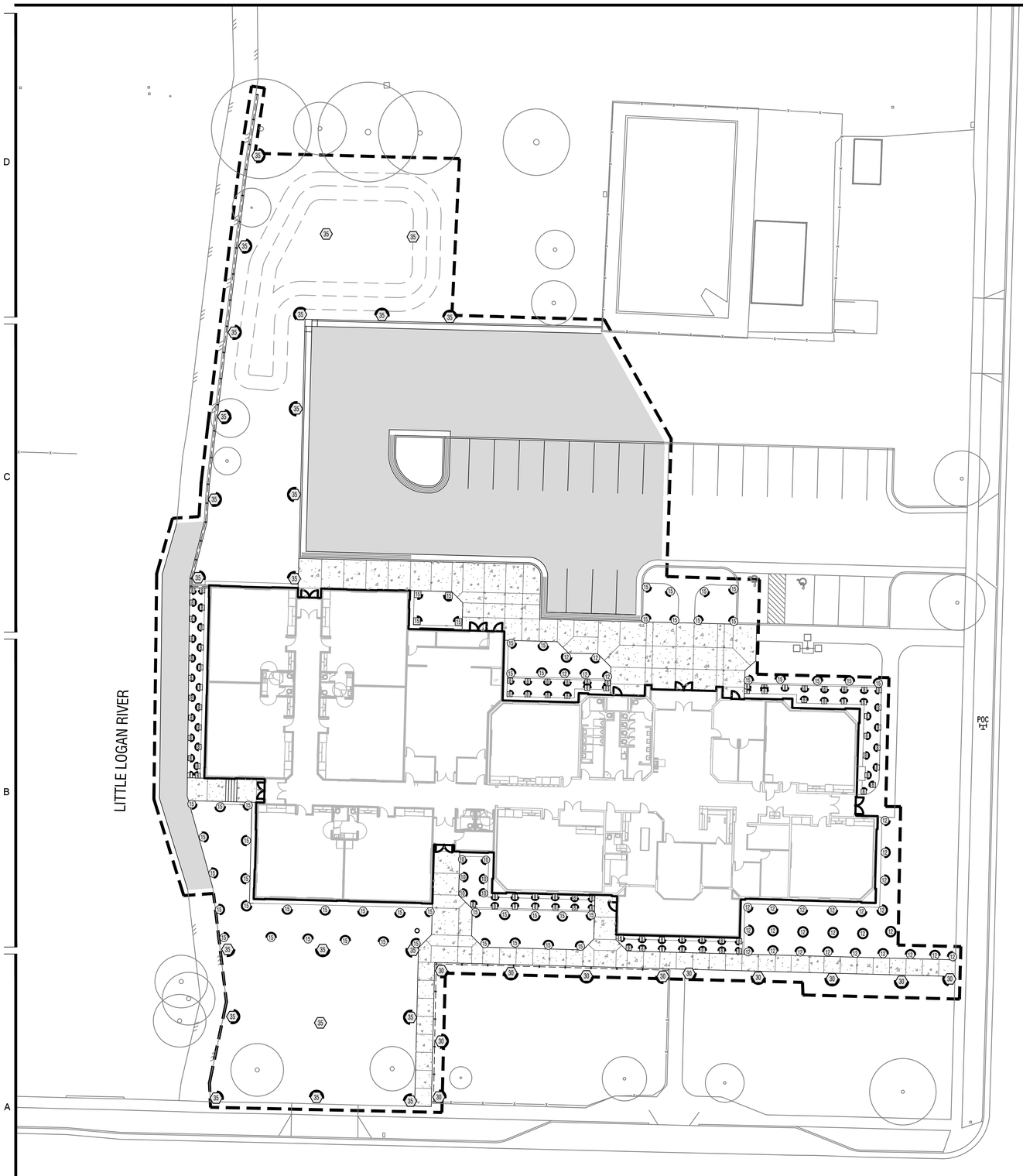
PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

STATE OF UTAH
BLAKE C. WRIGHT
05.23.2025
105101-5301
LICENSED LANDSCAPE ARCHITECT

PLANTING PLAN

L-101

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



IRRIGATION NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS PERTAINING TO THIS PLAN AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY REQUIRED FEES TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK. INSPECTIONS REQUIRED BY LOCAL ORDINANCES DURING CONSTRUCTION SHALL BE ARRANGED AND CONDUCTED BY THE CONTRACTOR.
3. BEFORE ANY TRENCHING, EXCAVATION OR DIGGING BELOW THE SURFACE FOR ANY REASON IS BEGUN, THE CONTRACTOR SHALL HAVE THE AREA "BLUE STAKED" IN ORDER TO DETERMINE AS CLOSE AS POSSIBLE THE LOCATIONS OF ALL UNDERGROUND UTILITIES. SHOULD UTILITIES NOT SHOWN ON THE PLANS BE FOUND DURING EXCAVATIONS THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
4. THE DESIGN PRESSURE FOR THE IRRIGATION SYSTEM IS 35 PSI AT THE FARTHEST ROTOR HEAD. CONTRACTOR SHALL VERIFY THE AVAILABLE STATIC PRESSURE AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
5. IRRIGATION DESIGN IS DIAGRAMMATIC. PIPING, IRRIGATION VALVES AND OTHER IRRIGATION EQUIPMENT ARE OFTEN SHOWN FOR CLARITY IN AREAS ADJACENT TO LOCATIONS WHERE THEY WILL BE INSTALLED. IRRIGATION LINES AND EQUIPMENT MAY BE SHOWN ON PAVEMENT, INSIDE BUILDINGS OR ACROSS PROPERTY LINES. THE CONTRACTOR SHALL PLACE ALL IRRIGATION LINES, VALVES, ETC. IN PLANTING AREAS AND ON THE PROPERTY WHEN POSSIBLE.
6. INSTALL A PRESSURE REGULATOR IF STATIC PRESSURE IN THE SERVICE LINE EXCEEDS THE IRRIGATION SYSTEM OPERATING DESIGN PRESSURE. SIZE AND INSTALL PRESSURE REGULATOR ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. PROTECT EXISTING TREES AND THEIR ROOT SYSTEMS. ROUTE IRRIGATION LINES AS NECESSARY TO MINIMIZE THE CUTTING OF TREE ROOTS.
8. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER TO PROTECT ALL SITE CONDITIONS AND UTILITIES TO REMAIN FROM DAMAGE. WHEN OCCURS, THE CONTRACTOR SHALL REPAIR THE DAMAGE AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUED WATERING OF ALL AREAS AFFECTED BY CONSTRUCTION. THIS CAN BE COMPLETED BY HAND WATERING, THE USE OF TEMPORARY IRRIGATION SYSTEMS, OR THE CONTINUED OPERATION OF EXISTING SYSTEMS NOT DISTURBED BY CONSTRUCTION.
10. ALL LINE SIZES SHOWN ARE FOR IRRIGATION PIPE. SEE SPECIFICATIONS AND DETAILS FOR SLEEVE SIZES.
11. SLEEVE CONTROL WIRES IN A 2 INCH CONDUIT NEXT TO, OR UNDER, IRRIGATION MAINLINE AS SHOWN IN DETAILS. CONTROL WIRES NOT SLEEVED SHALL FOLLOW MAINLINE AND BE BUNDLED EVERY 10 FEET.
12. INSTALL MANUAL DRAINS AT ALL LOW POINTS ON THE MAINLINE.
13. ADJUST ALL RADII ON SPRINKLERS TO NOT SPRAY ONTO BUILDINGS, WALLS, WALKS, SIGNS, OR FENCES.
14. LANDSCAPE CONTRACTOR TO COORDINATE PLANT PLACEMENT WITH SPRINKLERS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER COVERAGE OF ALL IRRIGATED AREAS.
16. SEE SHEET L-501 FOR LANDSCAPE DETAILS.

EXISTING SYSTEM MODIFICATIONS:

17. REBUILD, RECONFIGURE AND ADJUST THE IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE IN TURF AREAS. THE INSTALLED SYSTEM SHALL NOT SPRAY ONTO BUILDINGS, WALLS, WALKS, SIGNS, OR FENCES.
18. INSTALL NEW IRRIGATION MATERIAL SIMILAR TO THE EXISTING IRRIGATION MATERIALS USED ON SITE. MATCH HEADS, REMOTE VALVES, QUICK COUPLERS, ETC. AS NECESSARY TO MAKE SYSTEM OPERATIONAL.
19. THE IRRIGATION PIPING SHALL BE SIZED TO HAVE WATER SPEEDS UNDER FIVE FEET PER SECOND. NEW PIPING SHALL NOT CAUSE WATER SPEEDS IN THE EXISTING PIPE SYSTEM TO EXCEED FIVE FEET PER SECOND. PIPING SHALL BE PLACED SO THAT THERE IS 12 INCHES OF COVER ON LATERAL LINES AND 18 INCHES OF COVER ON MAINLINES AND ROTOR CIRCUIT LATERAL LINES.
20. IRRIGATION SLEEVES SHALL BE PLACED UNDER PAVEMENT. SLEEVE SIZE SHALL BE TWO TIMES THE SIZE OF THE PIPE TO BE SLEEVED. IRRIGATION WIRES SHALL BE IN SEPARATE SLEEVE FROM WATER LINES. WIRE SLEEVES SHALL BE TWO TIMES THE SIZE OF THE WIRE BUNDLE WITH A MINIMUM SIZE OF TWO INCH. CONTROL WIRES NOT SLEEVED SHALL FOLLOW THE MAINLINE AND BE BUNDLED EVERY 10 FEET AS SHOWN IN DETAILS.
21. FIELD VERIFY HEAD SPACING IN AREAS WHERE NEW AND OLD IRRIGATION SYSTEMS JOIN. ADJUST IRRIGATION SYSTEM HEAD SPACING TO PROVIDE COVERAGE AS REQUIRED IN SPECIFICATIONS.
22. RECONNECT THE IRRIGATION CONTROL WIRES AS REQUIRED TO CREATE AN OPERATIONAL SYSTEM. PUT ALL WIRE SPLICES IN SPLICE BOXES OR IN REMOTE CONTROL BOXES.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
10 Q, 10 T, 10 H, 10 F	Rain Bird 1806-U-SAM-PRS U10 Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.	6	25
12 Q, 12 T, 12 H, 12 FF, 12 TQ, 12 F	Rain Bird 1806-U-SAM-PRS U12 Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.	29	25
15 Q, 15 T, 15 H, 15 FF, 15 TQ, 15 F	Rain Bird 1806-U-SAM-PRS U15 Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.	46	25
18 Q, 18 T, 18 H, 18 F	Rain Bird 1812-SAM-PRS-U U8 Series Shrub Spray, 12" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	85	30
15 Q, 15 T, 15 P, 15 FF, 15 TQ, 15 F	Rain Bird 1812-SAM-PRS-U U15 Series Shrub Spray, 12" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	4	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
30	Rain Bird 5006-PL-PC,FC-MPR-SAM Turf Rotor, 6" Pop-Up, Plastic Riser, with Flow Shut-Off Device. Matched Precipitation Rotor (MPR Nozzle), Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve.	11	45		27'
35	Rain Bird 5006-PL-PC,FC-MPR-SAM Turf Rotor, 6" Pop-Up, Plastic Riser, with Flow Shut-Off Device. Matched Precipitation Rotor (MPR Nozzle), Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve.	23	45		31'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
POC	Point of Connection 1 1/2" Existing point of connection in parkstrip	1

RETROFIT NOTE

AN AS-BUILT DRAWING OF THE EXISTING IRRIGATION SYSTEM IS NOT AVAILABLE. AT THE TIME THESE CONSTRUCTION DOCUMENTS WERE COMPLETED, WATER WAS NOT AVAILABLE TO SUPPLY THE SYSTEM. CONSEQUENTLY, HOW BEST TO SUPPLY WATER THE THE HEADS SHOWN, EITHER FROM EXISTING CIRCUITS OR FROM NEW IS NOT POSSIBLE. A PERFORMANCE SPECIFICATION IS PROVIDED. CONTRACTOR TO FIELD VERIFY EXISTING IRRIGATION SYSTEM PRIOR TO DESIGN OF NEW AND RETROFITTED SYSTEM.

0 20 40 60 feet
SCALE: 1" = 20'

NORTH

CONSTRUCTION DRAWINGS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

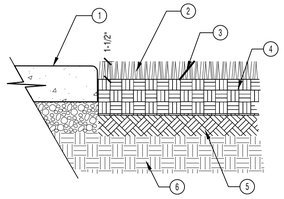
MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

STATE OF UTAH
BLAKE C. WRIGHT
05.23.2025
(10101-5301)
LICENSED LANDSCAPE ARCHITECT

IRRIGATION PLAN
L-201

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



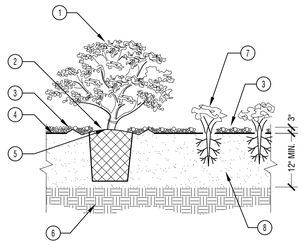
1. ADJACENT HARDSCAPE, SEE PLAN FOR MATERIAL
2. SOD
3. TIGHT BEVELED JOINTS
4. TOP SOIL (4" MINIMUM)
5. TRANSITION LAYER TOPSOIL AND NATIVE SOIL MIX
6. UNISTURBED OR COMPACTED SUBGRADE

NOTES:
1. ENSURE SMOOTH TRANSITION WHEN PATCHING OR TYING INTO EXISTING LAWNS.
2. MATCH SPECIES OF ADJACENT TURF.

1 SOD PLANTING

1 1/2" = 1'-0"

P-1-LCSD-ECC-24



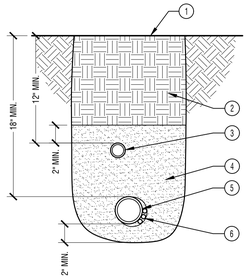
1. SHRUB (SEE PLANT SCHEDULE)
2. KEEP MULCH 3" AWAY FROM SHRUB AND PERENNIAL STEMS
3. MULCH PER PLAN
4. LANDSCAPE FABRIC IF SPECIFIED ON PLANS
5. SOIL BACKFILL SHALL NOT BE ABOVE ROOT COLLAR
6. EXISTING SUBGRADE
7. PERENNIAL (SEE PLANT SCHEDULE)
8. BACKFILL WITH SPECIFIED TOPSOIL

NOTES:
1. LANDSCAPE FABRIC TO BE INSTALLED UNDER MULCH
2. LANDSCAPE FABRIC TO BE CUT AWAY 6 INCHES FROM SHRUB/PERENNIALS AND 12 INCHES FROM TREES

2 SHRUB AND PERENNIAL PLANTING

3/4" = 1'-0"

P-1-LCSD-ECC-23

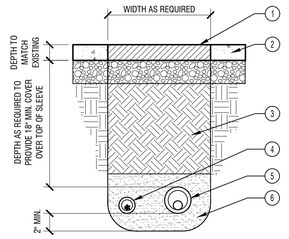


1. FINISH GRADE
2. COMPACTED BACKFILL
3. LATERAL PVC LINE (18" DEEP FOR ROTOR HEAD INSTALLATIONS)
4. 2" SAND OR ROCK-FREE SOIL AROUND ALL PIPE
5. PVC MAINLINE
6. TAPE WIRES TO SIDE OF MAINLINE AT 10'-0" O.C.

3 TRENCH SECTION

1 1/2" = 1'-0"

P-1-LCSD-ECC-36



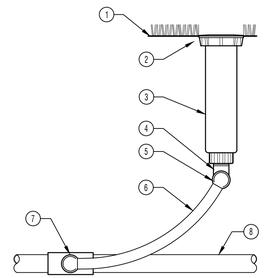
1. SAWCUT AND PATCH CONCRETE/ASPHALT AS REQUIRED
2. EXISTING CONCRETE/ASPHALT
3. COMPACTED BACKFILL FREE FROM ROCKS GREATER THAN 1/4" IN DIAMETER
4. CONTROL WIRES 6" TO EITHER SIDE OR 6" UNDER MAINLINE
5. PVC MAINLINE/LATERAL LINE IN SLEEVE
6. 2" SAND OR ROCK-FREE SOIL AROUND ALL PIPE

NOTES:
- SLEEVES 4" AND SMALLER, USE PVC SCH. 40 PIPE.
- SLEEVES >4", USE PVC SEWER PIPE.
- ALL SLEEVES FOR IRRIGATION PIPES SHALL BE 2X LARGER THAN PIPE TO BE SLEEVED.
- WIRE SLEEVES TO BE MINIMUM OF 2".
- SLEEVES TO EXTEND 12" INTO PLANTING AREA.

4 PAVEMENT SLEEVE SECTION

1 1/2" = 1'-0"

P-1-LCSD-ECC-37

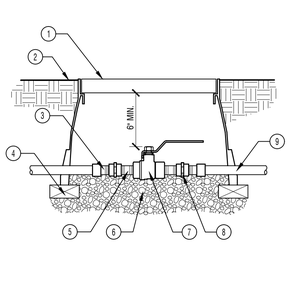


1. FINISH GRADE
2. FIRM SOIL IMMEDIATELY AROUND HEAD
3. POP-UP SPRAY HEAD
4. 90° MARLEX STREET ELL
5. 90° MARLEX ELL BARBED INSERT FITTING
6. LINEAR LOW DENSITY POLYETHYLENE PIPE (14" LONG MINIMUM, 24" LONG MAXIMUM)
7. 90° MARLEX ELL BARBED INSERT FITTING
8. PVC LATERAL LINE

5 4-6 IN. POP-UP SPRAY HEAD

3" = 1'-0"

P-1-LCSD-ECC-40



1. FINISH GRADE
2. 12" POP-UP SPRAY HEAD
3. 90° MARLEX STREET ELL
4. 90° MARLEX ELL BARBED INSERT FITTING
5. LINEAR LOW DENSITY POLYETHYLENE PIPE (14" LONG MINIMUM, 24" LONG MAXIMUM)
6. PVC SCH. 40 TEE OR ELL
7. PVC LATERAL LINE

6 12 IN. POP-UP SPRAY HEAD

3" = 1'-0"

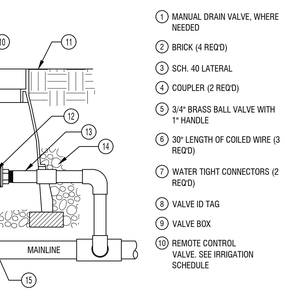
P-1-LCSD-ECC-51

1. FINISH GRADE
2. POP-UP GEAR ROTOR
3. STREET ELL
4. SCH. 80 NIPPLE (8" MIN. LENGTH)
5. PVC TEE
6. PVC LATERAL LINE

7 GEAR ROTOR

3" = 1'-0"

P-1-LCSD-ECC-39



1. GROUNDING ROD

NOTE:
INSTALL PER MANUFACTURER'S RECOMMENDATIONS

8 GROUND ROD SPHERE OF INFLUENCE

1/8" = 1'-0"

P-1-LCSD-ECC-29

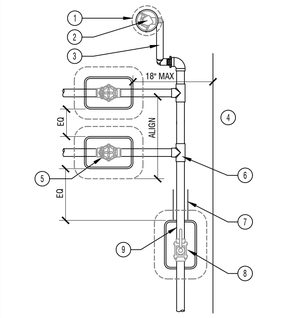
NOTES:
1. INSTALL GROUNDING SYSTEM TO MANUFACTURER'S SPECIFICATIONS.
2. 10 FOOT COPPER-CLAD GROUNDING ROD MUST BE A MINIMUM OF 8 FEET FROM THE CONTROLLER.
3. INSTALL COPPER GROUNDING PLATE HORIZONTALLY, 30 INCHES DEEP OR BELOW FROST LINE WHICH EVER IS DEEPER AND 11 FEET FROM THE GROUNDING ROD.
4. INSTALLATION SHALL INCLUDE 100 POUNDS OF EARTH CONTACT MATERIAL SPREAD EVENLY ALONG THE PLATE WITHIN THE 6" TRENCH FOR GROUNDING PLATE.
5. SOIL MOISTURE AROUND GROUNDING SYSTEM SHALL BE A MINIMUM 15% OR AS STATED IN PRODUCT SPECIFICATIONS. INSTALL IN TURF AREA OR CLOSE TO CONTROLLER AND IF NOT ENOUGH MOISTURE IS PRESENT INSTALL A DEDICATED IRRIGATION ZONE WITH SPRINKLER HEADS AND ITS OWN WATERING PROGRAM TO MAINTAIN SOIL MOISTURE AROUND THE GROUNDING SYSTEM.
6. CONTRACTOR SHALL TEST GROUNDING SYSTEM. THE SYSTEM SHALL HAVE A RESISTANCE 10 OHMS OR LESS. IF IT IS MORE THAN 10 OMHS ADD MORE RODS OR PLATES TO REACH THE LEVEL REQUIRED.

1. COPPER GROUND PLATE (4" X 96" X 0.0625")
2. #6 AWG SOLID BARE COPPER
3. ELECTRODE SPHERE OF INFLUENCE BOUNDARIED
4. GROUND ROD 5/8" X 10' FOR 96 STATIONS
5. EARTH CONTACT MATERIAL
6. CONTROLLER
7. PVC SWEEP ELL (1-1/2" OR LARGER)
8. CONCRETE PAD
9. CADWELD CONNECTION
10. SECOND AND THIRD GROUNDING ROD FOR 96 STATIONS

9 CONTROLLER GROUNDING ROD FOR ALL SOIL TYPES

3/32" = 1'-0"

P-1-LCSD-ECC-30



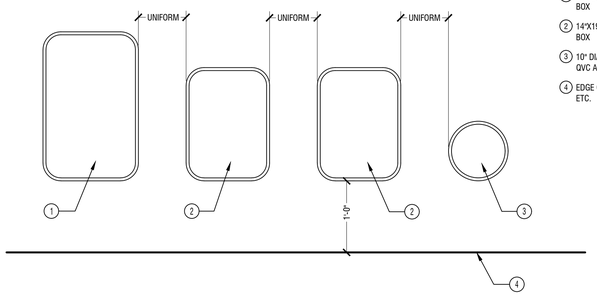
1. 10" ROUND VALVE BOX
2. QUICK COUPLER
3. SWING JOINT AND STABILIZER ELBOW
4. PAVED SURFACE CURBING OR FENCE LINE
5. AUTOMATIC CONTROL VALVE (TYP.)
6. PVC SCH. 80 TEE OR ELBOW
7. MAINLINE CONTINUES BELOW MANIFOLD LINE
8. ISOLATION VALVE
9. MANIFOLD CONNECTION

NOTES:
- NOT ALL MANIFOLD & VALVE ASSEMBLIES REQUIRE A QUICK COUPLER CONNECT. REFER TO IRRIGATION PLAN FOR QUICK COUPLER LOCATIONS.
- SINGLE DRIP VALVES DO NOT REQUIRE A MANIFOLD ASSEMBLY

10 MANIFOLD VALVE & ASSEMBLY

1/2" = 1'-0"

P-1-LCSD-ECC-44



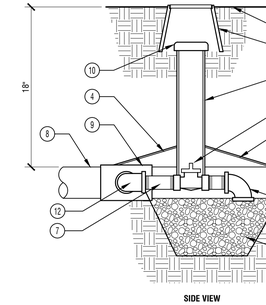
1. 16"X25" RECTANGULAR JUMBO BOX
2. 14"X19" RECTANGULAR VALVE BOX
3. 10" DIA. ROUND VALVE BOX FOR QVC AND SPLICE BOX
4. EDGE OF FENCE, LAWN, WALK, ETC.

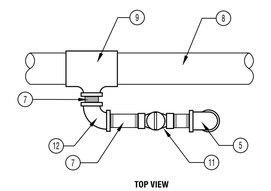
NOTES:
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE
2. SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND COVER/SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREAS
3. INSTALL BOXES IN GROUND COVER/SHRUB AREAS WHERE POSSIBLE. INSTALL IN TURF ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF LAWN, WALK, FENCE, CURB, ETC.
5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES
6. INSTALL EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE ASSEMBLY FOR EASY ACCESS

11 VALVE BOX INSTALLATION

1" = 1'-0"

P-1-LCSD-ECC-46



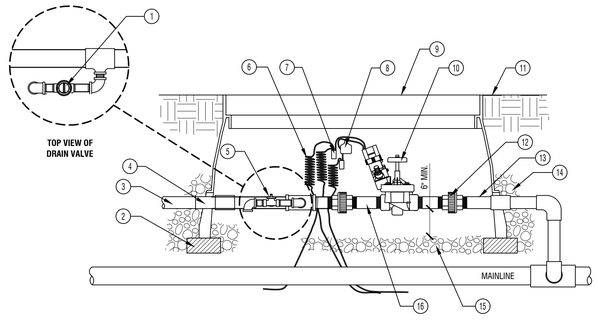


1. FINISH GRADE
2. 12" DIA. ROUND VALVE BOX
3. 2" CLASS 200 PVC SLEEVE
4. 10 MIL. BLACK PLASTIC
5. MARLEX STREET ELL
6. 1 CU. FT. GRAVEL SUMP
7. 3/4" SCH. 80 PVC THREADED NIPPLE
8. MAINLINE
9. TEE IN MAINLINE
10. CAP
11. 3/4" BRASS BALL VALVE
12. 3/4" ELBOW

12 MANUAL DRAIN VALVE

1 1/2" = 1'-0"

P-1-LCSD-ECC-42



1. RECTANGULAR VALVE BOX
2. FINISH GRADE
3. TOE NIPPLE (TYP.)
4. BRICK PAVERS (TYP.)
5. CLOSE NIPPLE (TYP.)
6. 3/4" ROCK
7. ISOLATION BALL VALVE
8. PVC SCH. 80 UNION. SIZE AS REQUIRED (TYP.)
9. PVC MAINLINE

13 ISOLATION BALL VALVE

1 1/2" = 1'-0"

P-1-LCSD-ECC-43

1. MANUAL DRAIN VALVE, WHERE NEEDED
2. BRICK (4 REQ'D)
3. SCH. 40 LATERAL
4. COUPLER (2 REQ'D)
5. 3/4" BRASS BALL VALVE WITH 1" HANDLE
6. 30" LENGTH OF COILED WIRE (3 REQ'D)
7. WATER TIGHT CONNECTORS (2 REQ'D)
8. VALVE ID TAG
9. VALVE BOX
10. REMOTE CONTROL VALVE. SEE IRRIGATION SCHEDULE
11. FINISH GRADE
12. UNION (2 REQ'D)
13. TOE NIPPLE (2 REQ'D)
14. PLACE PEA GRAVEL AROUND PIPE ENTRANCE INTO BOX
15. PEA GRAVEL, 6" DEEP
16. 4" NIPPLE (2 REQ'D)

NOTE:
ALL FITTINGS AND PIPE INSIDE VALVE BOX SHALL BE SCH. 80 PVC.

14 RAIN BIRD REMOTE CONTROL VALVE

1 1/2" = 1'-0"

P-1-LCSD-ECC-45

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

STATE OF UTAH
BLAKE C. WRIGHT
(5.23.2025)
(5510-5301)
LICENSED LANDSCAPE ARCHITECT

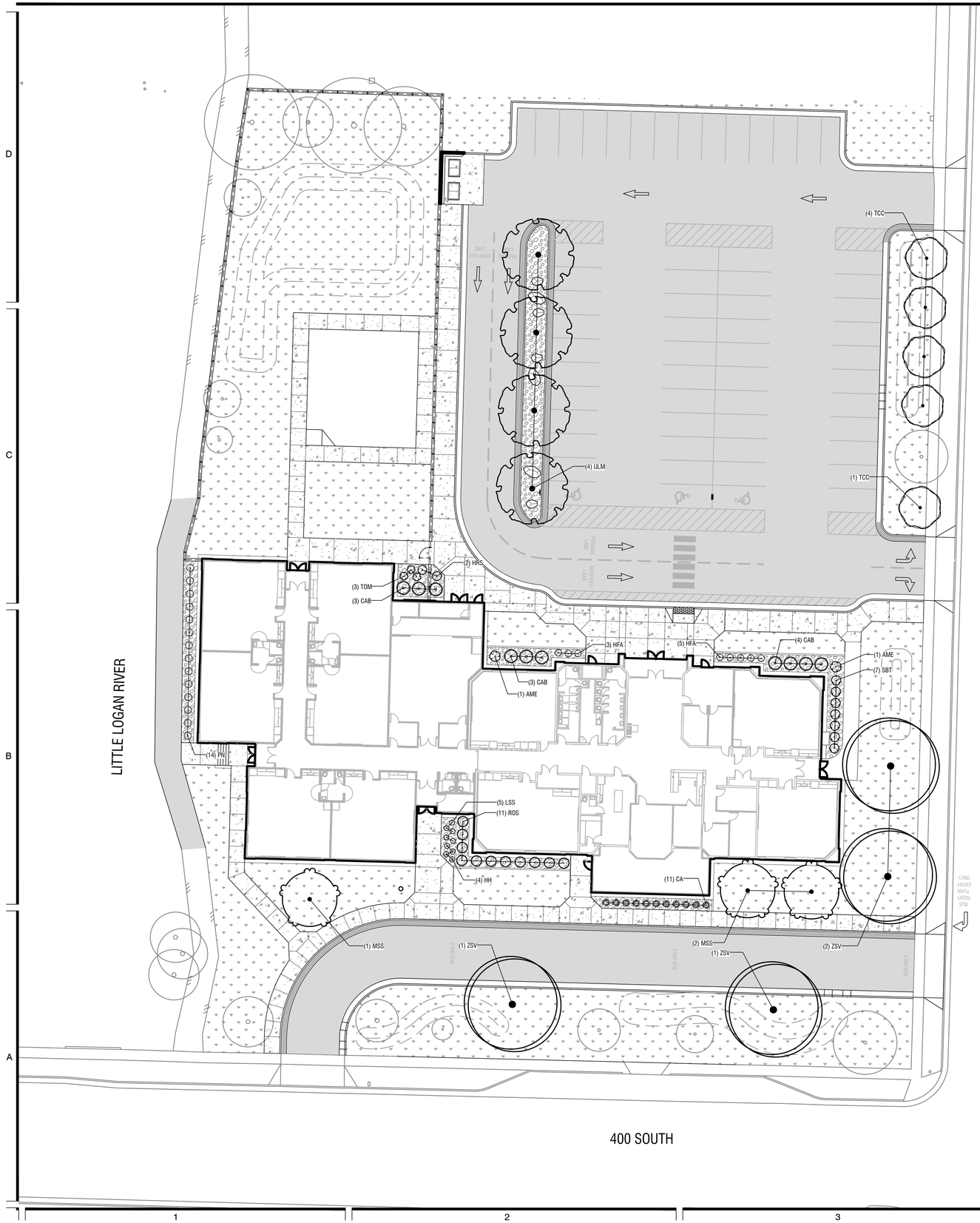
CONSTRUCTION DRAWINGS

LANDSCAPE DETAILS

L-501

© COPYRIGHT DESIGN WEST ARCHITECTS 2025

7/8/2025 3:08:36 PM



PLANTING NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS PERTAINING TO THIS PLAN AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
2. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
3. CONTRACTOR SHALL REPAIR ALL DAMAGES CAUSED BY OPERATIONS (WHICH OCCUR ON OR OFF SITE) TO THE ARCHITECT'S AND OWNER'S SATISFACTION.
4. ALL QUANTITIES SHOWN ARE APPROXIMATE AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. IN THE CASE OF ANY DISCREPANCIES, PLANS SHALL OVER-RIDE THE LANDSCAPE AND BID SCHEDULE QUANTITIES. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLANS AND BASE THEIR BID ACCORDINGLY.
5. DO NOT MAKE UNAPPROVED SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY FROM AT LEAST FIVE SOURCES TO LANDSCAPE ARCHITECT, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL FOR FINAL APPROVAL.
6. LAYOUT INDIVIDUAL TREE AND PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS, STAKE LOCATIONS, AND OUTLINE AREAS AND SECURE ARCHITECT'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS MAY BE DIRECTED.
7. INSTALL DEWITT PRO-5 WEED BARRIER UNDER MULCH. FABRIC SHALL BE INSTALLED AFTER PRE-EMERGENT HAS BEEN APPLIED. CUT AN "X" SHAPE IN WEED BARRIER FOR PLANTS AND STAPLE FOLDS DOWN INTO SOIL. USE FABRIC STAPLES EVERY FIVE FEET ON CENTER IN PLANTER BED.
8. REPAIR ALL LANDSCAPING WHERE NEW CONSTRUCTION MEETS EXISTING.
9. PERFORM PERCOLATION TEST ON ALL TREE PLANTING HOLES AND PLANTING BEDS PRIOR TO PLANTING. INFORM LANDSCAPE ARCHITECT OF CONDITIONS OF POOR DRAINAGE.
10. LANDSCAPE CONTRACTOR SHALL COORDINATE AND ADJUST PLANT PLACEMENT WITH SPRINKLERS. PLANTS SHALL NOT BE PLACED WITHIN 12 INCHES OF A SPRINKLER HEAD.
11. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL PLANT MATERIALS INCLUDING SOD AREAS IN A HEALTHY STATE DURING CONSTRUCTION. ANY DAMAGE TO PLANT MATERIAL DUE TO NEGLECT BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
12. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PLACE CONSTRUCTION FENCE AROUND THE TREE AT THE CANOPY DRIP LINE AND AVOID ANY COMPACTION OF THE PROTECTED AREA OF TREE ROOTS. PROVIDE WATER TO THE TREES TO MAINTAIN TREE HEALTH.
13. SEE SHEET L-501 AND L-651 FOR LANDSCAPE DETAILS.

LEGEND

SYMBOL	LANDSCAPE DESCRIPTION	QTY	DETAIL
	BOULDER - 2-3` in diameter, color to match planter bed angular rock	4	4/L-651
	BOULDER - 3-4` in diameter, color to match planter bed angular rock	3	4/L-651

SYMBOL	LANDSCAPE DESCRIPTION	QTY	DETAIL
	TURF GRASS - sod, kentucky bluegrass, 3-variety minimum blend	27,946 sf	1/L-501
	PLANTER BED - 3"-4" washed angular rock, 3" depth with Dewitt Pro 5 weed barrier beneath, color to be chosen by architect based on local availability	2,584 sf	2/L-501

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL
	MSS	3	Malus x 'Spring Snow' / Spring Snow Crabapple	B & B	2"
	TCC	5	Tilia cordata 'Corzam' TM / Corinthian Littleleaf Linden	B & B	2"
	ULM	4	Ulmus americana `Princeton` / Princeton American Elm	B & B	2"
	ZSV	4	Zelkova serrata `Village Green` / Village Green Zelkova	B & B	2"

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	AME	2	Amelanchier alnifolia 'Obelisk' TM / Standing Ovation Serviceberry	5 gal
	CAB	10	Cornus alba `Bailhalo` TM / Ivory Halo Dogwood	5 gal
	ROS	11	Rosa x 'Radtko' / Double Knock Out Red Rose	5 gal
	SBT	7	Spiraea betulifolia 'Tor' / Tor Birchleaf Spirea	5 gal
	TOM	3	Taxus x media `Hicksii` / Hicks Yew	5 gal

GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	CA	11	Calamagrostis x acutiflora 'Avalanche' / Avalanche Feather Reed Grass	1 gal
	PN	14	Panicum virgatum 'Northwind' / Northwind Switch Grass	1 gal

PERENNIALS	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	HH	4	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	1 gal
	HFA	8	Hosta fortunei `Aureomarginata` / Hosta	1 gal
	HRS	2	Hosta x `Royal Standard` / Royal Standard Hosta	1 gal
	LSS	5	Leucanthemum x superburn 'Snowcap' / Snowcap Shasta Daisy	1 gal

0 20 40 60 feet
SCALE: 1" = 20'

NORTH

CONSTRUCTION DRAWINGS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER
325 W 400 S
LOGAN UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

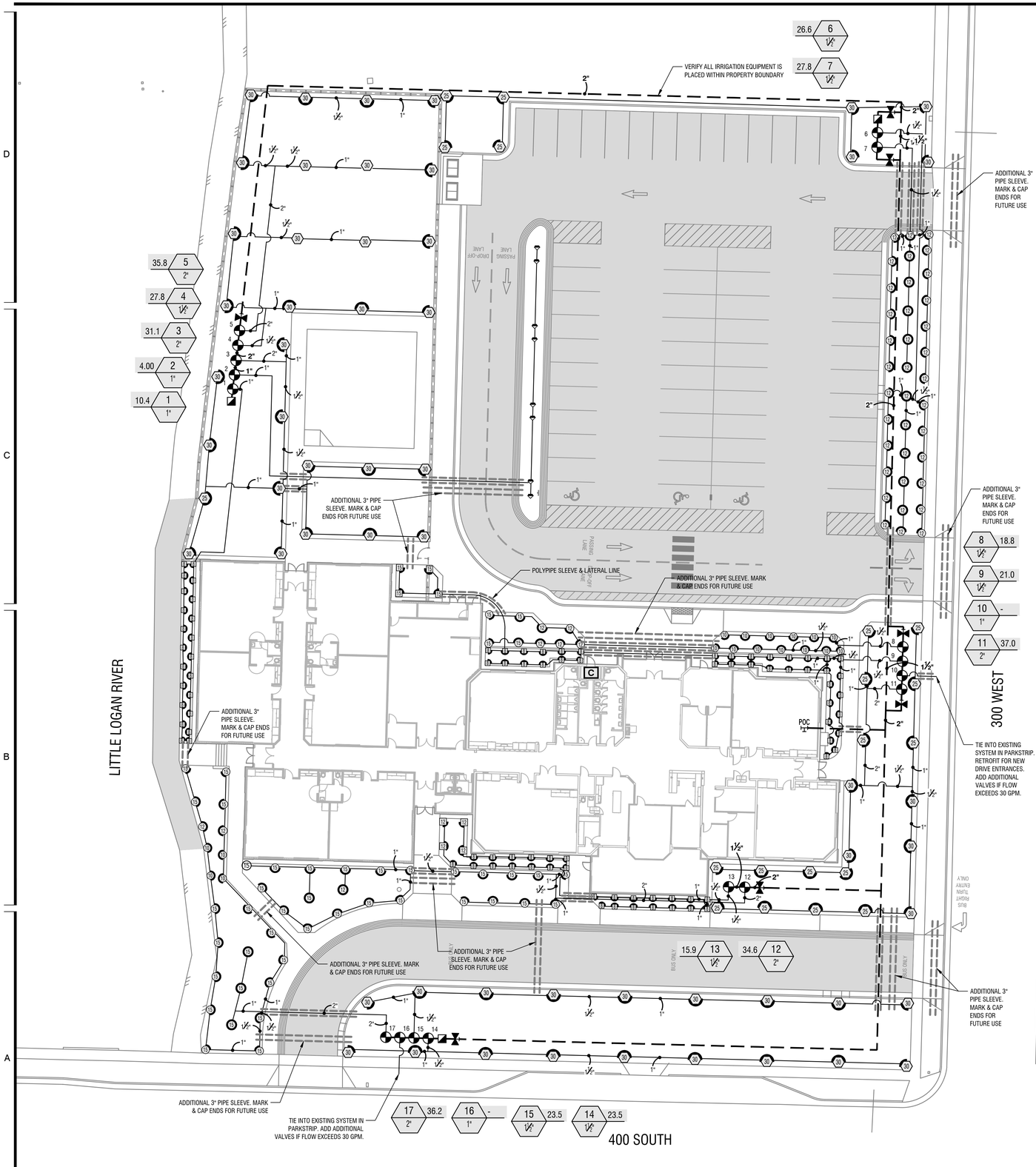
PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

STATE OF UTAH
BLAKE C. WRIGHT
05.23.2025
LICENSED LANDSCAPE ARCHITECT

BID ALT 1
PLANTING PLAN

L-611

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



IRRIGATION NOTES

1. CONTRACTOR TO VERIFY ALL CONDITIONS PERTAINING TO THIS PLAN AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY REQUIRED FEES TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK. INSPECTIONS REQUIRED BY LOCAL ORDINANCES DURING CONSTRUCTION SHALL BE ARRANGED AND CONDUCTED BY THE CONTRACTOR.
3. BEFORE ANY TRENCHING, EXCAVATION OR DIGGING BELOW THE SURFACE FOR ANY REASON IS BEGUN, THE CONTRACTOR SHALL HAVE THE AREA "BLUE STAKED" IN ORDER TO DETERMINE AS CLOSE AS POSSIBLE THE LOCATIONS OF ALL UNDERGROUND UTILITIES. SHOULD UTILITIES NOT SHOWN ON THE PLANS BE FOUND DURING EXCAVATIONS THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
4. THE DESIGN PRESSURE FOR THE IRRIGATION SYSTEM IS 35 PSI AT THE FARTHEST ROTOR HEAD. CONTRACTOR SHALL VERIFY THE AVAILABLE STATIC PRESSURE AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
5. IRRIGATION DESIGN IS DIAGRAMMATIC. PIPING, IRRIGATION VALVES AND OTHER IRRIGATION EQUIPMENT ARE OFTEN SHOWN FOR CLARITY IN AREAS ADJACENT TO LOCATIONS WHERE THEY WILL BE INSTALLED. IRRIGATION LINES AND EQUIPMENT MAY BE SHOWN ON PAVEMENT, INSIDE BUILDINGS OR ACROSS PROPERTY LINES. THE CONTRACTOR SHALL PLACE ALL IRRIGATION LINES, VALVES, ETC. IN PLANTING AREAS AND ON THE PROPERTY WHEN POSSIBLE.
6. INSTALL A PRESSURE REGULATOR IF STATIC PRESSURE IN THE SERVICE LINE EXCEEDS THE IRRIGATION SYSTEM OPERATING DESIGN PRESSURE. SIZE AND INSTALL PRESSURE REGULATOR ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. PROTECT EXISTING TREES AND THEIR ROOT SYSTEMS. ROUTE IRRIGATION LINES AS NECESSARY TO MINIMIZE THE CUTTING OF TREE ROOTS.
8. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER TO PROTECT ALL SITE CONDITIONS AND UTILITIES TO REMAIN FROM DAMAGE. WHEN OCCURS, THE CONTRACTOR SHALL REPAIR THE DAMAGE AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUED WATERING OF ALL AREAS AFFECTED BY CONSTRUCTION. THIS CAN BE COMPLETED BY HAND WATERING, THE USE OF TEMPORARY IRRIGATION SYSTEMS, OR THE CONTINUED OPERATION OF EXISTING SYSTEMS NOT DISTURBED BY CONSTRUCTION.
10. ALL LINE SIZES SHOWN ARE FOR IRRIGATION PIPE. SEE SPECIFICATIONS AND DETAILS FOR SLEEVE SIZES.
11. SLEEVE CONTROL WIRES IN A 2 INCH CONDUIT NEXT TO, OR UNDER, IRRIGATION MAINLINE AS SHOWN IN DETAILS. CONTROL WIRES NOT SLEEVED SHALL FOLLOW MAINLINE AND BE BUNDLED EVERY 10 FEET.
12. INSTALL MANUAL DRAINS AT ALL LOW POINTS ON THE MAINLINE.
13. ADJUST ALL RADII ON SPRINKLERS TO NOT SPRAY ONTO BUILDINGS, WALLS, WALKS, SIGNS, OR FENCES.
14. LANDSCAPE CONTRACTOR TO COORDINATE PLANT PLACEMENT WITH SPRINKLERS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER COVERAGE OF ALL IRRIGATED AREAS.
16. SEE SHEET L-501 AND L-651 FOR LANDSCAPE DETAILS.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
10 Q, 10 T, 10 H, 10 F	Rain Bird 1806-U-SAM-PRS U10 Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.	17	25
12 Q, 12 T, 12 H, 12 TT, 12 TQ, 12 F	Rain Bird 1806-U-SAM-PRS U12 Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.	45	25
15 Q, 15 T, 15 H, 15 TT, 15 TQ, 15 F	Rain Bird 1806-U-SAM-PRS U15 Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.	43	25
8 08HE-VAN, 10 10HE-VAN, 12 12HE-VAN, 15 15HE-VAN	Rain Bird 1806-U-SAM-PRS HE-VAN Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating.	1	25
8 Q, 8 T, 8 H, 8 F	Rain Bird 1812-SAM-PRS-U U8 Series Shrub Spray, 12" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	86	30
12 Q, 12 T, 12 H, 12 TT, 12 TQ, 12 F	Rain Bird 1812-SAM-PRS-U U12 Series Shrub Spray, 12" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	4	30
15 Q, 15 T, 15 H, 15 TT, 15 TQ, 15 F	Rain Bird 1812-SAM-PRS-U U15 Series Shrub Spray, 12" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	4	30
1401, 1402	Rain Bird RWS-M-B-C w/ RWS-SOCK 1401 Mini Root Watering System with 4" diameter x 18" long with locking grate, semi-rigid mesh tube and Rain Bird 1401 0.25 GPM or 1402 0.5 GPM bubbler as indicated. With Check Valve, and Sand Sock for sandy soil.	8	25

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
25	Rain Bird 5006-PL-PC,FC-MPR-SAM Turf Rotor, 6" Pop-Up, Plastic Riser, with Flow Shut-Off Device. Matched Precipitation Rotor (MPR Nozzle), Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve.	19	45		22'
30	Rain Bird 5006-PL-PC,FC-MPR-SAM Turf Rotor, 6" Pop-Up, Plastic Riser, with Flow Shut-Off Device. Matched Precipitation Rotor (MPR Nozzle), Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve.	56	45		27'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird PESB-PRS-D 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulating Module, and Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	17
	Rain Bird 44-RC 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Thermoplastic Rubber Cover, and 2-Piece Body.	3
	Isolation Valve	7
C	Controller Existing controller located inside mechanical room	1
POC	Point of Connection 1 1/2" Connect irrigation system to existing backflow	1
	Irrigation Lateral Line: PVC Schedule 40	4,470 l.f.
	Irrigation Mainline: PVC Schedule 40	1,070 l.f.
	Pipe Sleeve: PVC Schedule 40	770.3 l.f.

Valve Callout
Valve Number
Valve Flow
Valve Size

0 20 40 60 feet
SCALE: 1" = 20'
NORTH

CONSTRUCTION DRAWINGS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER
325 W 400 S
LOGAN UT 84321
LOGAN CITY SCHOOL DISTRICT

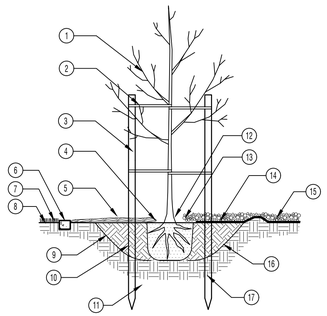
MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

STATE OF UTAH
BLAKE C. WRIGHT
05.23.2025
(10101-5301)
LICENSED LANDSCAPE ARCHITECT

BID ALT 1
IRRIGATION PLAN
L-621

© COPYRIGHT DESIGN WEST ARCHITECTS 2025



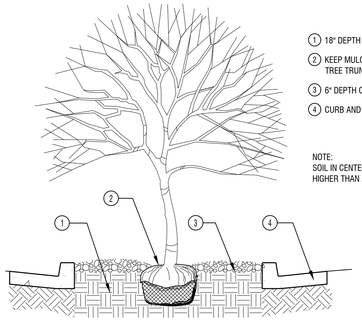
1. TREE (SEE PLANT SCHEDULE)
2. "CHAINLOCK" OR EQUAL TREE TIE MATERIAL (1" WIDTH). NAIL OR STAPLE TREE TIE MATERIAL TO STAKE TO HOLD VERTICALLY. LOOSELY LOOP EACH TIE AROUND HALF OF TREE TO PROVIDE 1" SLACK FOR TRUNK GROWTH
3. SUPPORT TREE WITH (2) 2" DIA. TREATED LODGEPOLE PINE DOWELED TREE STAKES (8'-0" LENGTH)
4. AFTER PLACING TREE IN HOLE, REMOVE WIRE AND BURLAP FROM THE UPPER HALF OF THE ROOT BALL. (MORE IF THE ROOT BALL IS STABLE)
5. 3" DEEP SOIL PEP IN 3' DIA. TREE RING. SEE PLANS FOR TYPE OF EDGING
6. CONCRETE OR TRENCH EDGING, SEE PLANS
7. GRASS
8. FINISH GRADE
9. PLANT PIT SHALL BE THREE TIMES LARGER THAN ROOTBALL. SLOPE EDGES AT 45° AND SCARIFY SIDE BEFORE PLANTING
10. BACKFILL PLANTING PIT WITH WITH NATIVE SOIL OR 1/2 NATIVE SOIL AND 1/2 SPECIFIED BACKFILL MIX
11. DRIVE STAKES 6" TO 1'-0" INTO UNDISTURBED SOIL BEFORE BACKFILLING
12. KEEP MULCH 3" AWAY FROM TREE TRUNK
13. PLACE 1-2" DEPTH OF MULCH OVER ROOT BALL
14. PLACE LANDSCAPE FABRIC UNDER MULCH WITH 12" CLEAR CIRCLE AROUND TREE TRUNK
15. ROCK OR SHREDDED BACK MULCH, SEE PLANS
16. EXCAVATE PLANTING PIT SO THAT THE ROOT FLARE SHALL BE 1-2" ABOVE FINAL GRADE OR 10% OF ROOT BALL
17. UNDISTURBED SUBGRADE

NOTES:
1. TREES ARE PLACED IN EITHER GRASS AREA OR PLANTER BED. SEE PLANS FOR LOCATION.
2. INSTALLATION INCLUDES STAKE REMOVAL ONE YEAR AFTER INSTALLATION.

1 TREE PLANTING

3/8" = 1'-0"

P-1-LCSD-ECC-25



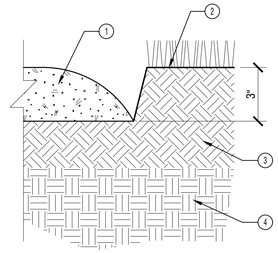
1. 18" DEPTH TOPSOIL
2. KEEP MULCH 6" AWAY FROM TREE TRUNK
3. 6" DEPTH COBBLE
4. CURB AND GUTTER

NOTE:
SOIL IN CENTER OF PLANTER HIGHER THAN AT CURB

2 PARKING ISLAND

3/8" = 1'-0"

P-1-LCSD-ECC-26

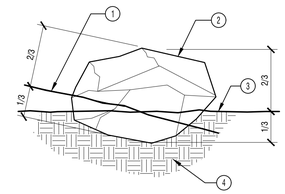


1. 3" DEPTH SOIL PEP
2. FINISH GRADE
3. SPECIFIED TOPSOIL
4. NATIVE SOIL

3 TRENCH EDGE AROUND TREES IN TURF

3" = 1'-0"

P-1-LCSD-ECC-66

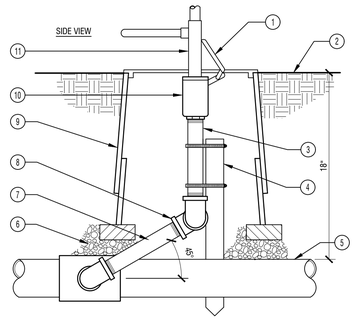


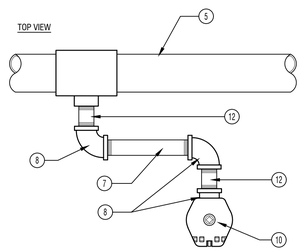
1. SLOPE CONDITION
2. BOULDER TO BE PLACED WITH 1/3 OF ITS TOTAL HEIGHT BELOW FINISHED GRADE
3. FINISH GRADE
4. UNDISTURBED OR COMPACTED SUBGRADE

4 LANDSCAPE BOULDER

1" = 1'-0"

P-1-LCSD-ECC-19



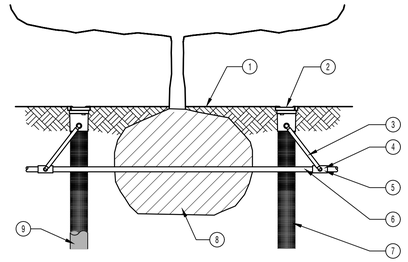


1. VALVE COVER
2. FINISH GRADE
3. 1" SCH. 80 PVC NIPPLE (LENGTH AS REQUIRED)
4. 2" X 2" X 24" WOOD STAKE WITH CLAMPS
5. SCH. 40 MAINLINE PVC PLASTIC PIPE
6. 3/4" GRAVEL
7. 1" SCH. 80 PVC NIPPLE (LENGTH AS REQUIRED)
8. 1" SCH. 40 PVC ELL
9. ROUND VALVE BOX WITH EXTENSIONS
10. ONE PIECE BODY QUICK COUPLING VALVE
11. VALVE COUPLING KEY
12. 1" SCH. 80 PVC NIPPLE (2" LONG)

5 QUICK COUPLING VALVE WTH WOOD STAKE

1 1/2" = 1'-0"

P-1-LCSD-ECC-41



1. FINISH GRADE/TOP OF MULCH
2. ROOT WATERING SYSTEM: RAIN BIRD RWS
3. SWING ASSEMBLY (INCLUDED)
4. 1/2" MAIL NPT INLET (INCLUDED)
5. PVC SCH. 40 TEE OR ELL
6. PVC OR POLYETHYLENE LATERAL PIPE (PER DRAWINGS)
7. 4" WIDE X 36" LONG RIGID BASKET WEAVE CANISTER (INCLUDED)
8. PLANT ROOT BALL
9. OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS

NOTES:
1. POSITION 2-3 UNITS (OR MORE) EVENLY SPACED AROUND PLANT. FOR NEW TREES PLACE NEAR ROOT BALL. FOR EXISTING TREES PLACE HALF THE DISTANCE BETWEEN CANOPY EDGE AND TREE TRUNK.
2. INSTALL PRODUCT WITH TOP EVEN WITH GROUND SURFACE.
3. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" (1.9 CM) GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
4. ONCE RWS HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.
5. OPTIONAL RWS-SOCK FOR USE IN SANDY SOILS.

6 ROOT WATERING

1 1/2" = 1'-0"

P-1-LCSD-ECC-38

CONSTRUCTION DRAWINGS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

EARLY CHILDHOOD CENTER

325 W 400 S
LOGAN UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 05.23.2025

STATE OF UTAH
BLAKE C. WRIGHT
(5.23.2025)
10510-1301
REGISTERED LANDSCAPE ARCHITECT

BID ALT 1
LANDSCAPE
DETAILS

L-651

© COPYRIGHT DESIGN WEST ARCHITECTS 2025

7/8/2025 8:38:38 PM

STRUCTURAL NOTES :

A. GENERAL

1. THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.
2. THESE DRAWINGS (AND, WHERE APPLICABLE, ACCOMPANYING WRITTEN SPECIFICATIONS) ARE THE ONLY CONTRACT DOCUMENTS PROVIDED BY ARW ENGINEERS FOR THE PROJECT REPRESENTED HEREIN. NOTHING IN ANY DIGITAL MODEL OR DIGITAL FILE RELATED TO THIS PROJECT SHALL BE TAKEN TO SUPERSEDE ANY INFORMATION SHOWN IN THESE DRAWINGS (INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, SIZES, ETC).
3. THE ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. THE STRUCTURAL DRAWINGS ARE SUPPLEMENTARY TO AND MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND CRASED CONSULTANTS DNDWINGS. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
4. SEE SPECIFICATIONS FOR REQUIRED SUBMITTALS. SUBMITTALS SHALL BE MADE IN A TIMELY MANNER AS INDICATED IN SPECIFICATIONS. REVIEW OF SUBMITTALS BY ARW ENGINEERS IS FOR GENERAL COMPLIANCE ONLY AND IS NOT INTENDED AS APPROVAL. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SIZES, DIMENSIONS, AND ELEVATIONS ON SUBMITTALS AS RELATED TO DESIGN DOCUMENTS. PREPARATION OF SHOP DRAWINGS FOR STRUCTURAL ELEMENTS WILL REQUIRE INFORMATION (I.E. DIMENSIONS, ETC.) FOUND IN THE ARCHITECTURAL, STRUCTURAL, AND OTHER CONSULTANTS DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE. IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION OF ANY AFFECTED ELEMENTS.
6. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT OR OTHER EQUIPMENT BEFORE FABRICATING AND ERECTING STRUCTURAL ELEMENTS. SIZES AND LOCATIONS THAT DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE ARCHITECT FOR ARCHITECT AND/OR ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY CHANGES, MODIFICATIONS, OR SUBSTITUTIONS.
8. OBSERVATION VISITS TO THE SITE BY ARW ENGINEERS FIELD REPRESENTATIVES SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
9. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON STRUCTURE WITHIN THE LIMITS OF DESIGN LOADS AS NOTED IN THESE DOCUMENTS.
10. TYPICAL, OR SIMILAR DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN. TYPICAL OR SIMILAR DETAILS REFER TO THE CONDITION ADDRESSED AND ARE NOT NECESSARILY DETAILS LABELED "TYPICAL" OR "SIMILAR" IN THE PLANS AND DOCUMENTS.
11. DRAWINGS AND DETAILS HAVE BEEN PREPARED WITH THE INTENT TO VISUALLY REPRESENT INFORMATION PROVIDED IN SCALED FORM; HOWEVER CONTRACTOR/SUPPLIERS SHOULD NOT SCALE PLANS OR DETAILS FOR DIMENSIONAL INFORMATION.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS UNTIL THE ENTIRE STRUCTURAL SYSTEM IS COMPLETED. DESIGN OF ALL SHORING AND BRACING IS BY OTHERS AT NO ADDITIONAL COST TO THE OWNER.
13. ENGINEER SHALL NOT BE RESPONSIBLE FOR ACTIVITIES UNDER CONTROL OF THE CONTRACTOR SUCH AS CONSTRUCTION SITE SAFETY, MEANS, METHODS AND SEQUENCING OF CONSTRUCTION. ENGINEER SHALL NOT BE RESPONSIBLE FOR FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS AS PRESCRIBED BY OSHA OR OTHER REGULATORY AGENCIES REGARDLESS OF INDICATIONS IN THESE DOCUMENTS.
14. NOTICE OF COPYRIGHT: THESE STRUCTURAL DRAWINGS ARE HEREBY COPYRIGHTED BY ARW ENGINEERS, ALL RIGHTS RESERVED. THESE DOCUMENTS DEFINE A STRUCTURE AND ARE INSTRUMENTS OF SERVICE, FOR ONE USE ONLY. REPRODUCTION AND DISTRIBUTION OF THESE DRAWINGS IS ONLY ALLOWED AS REQUIRED FOR REGULATORY AGENCIES AND FOR CONVEYANCE OF INFORMATION TO PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. THESE DOCUMENTS SHALL NOT BE REPRODUCED OR COPIED, IN PART OR WHOLE BY ANY PARTY FOR USE IN PREPARATION OF SHOP DRAWINGS OR OTHER SUBMITTALS.
15. WHERE THE WORD "SHALL" OCCURS IN THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS, IT IS CONSIDERED A MANDATORY OBLIGATION AND SYNONYMOUS WITH THE PHRASE "HAS DUTY TO".

B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS

1. THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.11 AND 1705.12 ARE IDENTIFIED ON THESE DOCUMENTS WITH A CIRCLE "L". ALL OTHER ITEMS REQUIRING SPECIAL INSPECTION ARE IDENTIFIED IN THE SPECIAL INSPECTION SCHEDULE ON SHEET S-004.
2. SPECIAL INSPECTIONS AND TESTING ARE TO BE PROVIDED AS REQUIRED BY IBC SECTIONS 1704 THROUGH 1705 AND OTHER APPLICABLE SECTIONS OF THE IBC. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS SHALL BE AS NOTED IN THE SPECIAL INSPECTION SCHEDULE, JOB SPECIFICATIONS, AND ACCORDANCE WITH IBC SECTION 110 AND CHAPTER 17. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH REQUIRED INSPECTIONS.
3. ALL TESTING AND SPECIAL INSPECTION SHALL BE PROVIDED BY A QUALIFIED INDEPENDENT SPECIAL INSPECTION AGENCY IN ACCORDANCE WITH IBC 1704 AND AS OUTLINED IN THE JOB SPECIFICATIONS. REPORTS OF FINDINGS OR DISCREPANCIES SHALL BE NOTED AND FORWARDED TO THE CONTRACTOR, ARCHITECT, ENGINEERS, AND BUILDING OFFICIAL IN A TIMELY MANNER.
4. STRUCTURAL OBSERVATION VISITS SHALL BE PERFORMED BY A REPRESENTATIVE FROM ARW ENGINEERS IN ACCORDANCE WITH THE CONTRACT AS NEEDED TO OBSERVE THE CONSTRUCTION OF CRITICAL BUILDING ELEMENTS (I.E. FOOTINGS, BRACED FRAMES, MOMENT FRAMES, DRAG STRUTS AND THEIR CONNECTIONS, COLLECTORS, AND ROOF AND FLOOR DIAPHRAGMS). STRUCTURAL OBSERVATION REPORTS FOR EACH VISIT SHALL BE SENT DIRECTLY TO THE ARCHITECT FOR DISTRIBUTION TO THE CONTRACTOR AND BUILDING OFFICIAL. STRUCTURAL OBSERVATION VISITS SHALL NEITHER BE CONSTRUED AS SPECIAL INSPECTION NOR APPROVAL OF COMPLETED CONSTRUCTION.
5. IN ACCORDANCE WITH IBC 1704.4, THE CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER. THE STATEMENT SHALL BE SUBMITTED PRIOR TO THE CONSTRUCTION OF ANY SEISMIC/WIND-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC/WIND SYSTEM, OR COMPONENT IDENTIFIED IN THESE DOCUMENTS WITH A CIRCLE "L".

C. BASIS OF DESIGN

1. GOVERNING BUILDING CODE : INTERNATIONAL BUILDING CODE (IBC) 2021
   RISK CATEGORY : III
2. ROOF LOADS
   a. FLAT-ROOF SNOW LOAD, P_f : 33 PSF
      1. GROUND SNOW LOAD, P_g : 42 PSF
      2. SNOW EXPOSURE FACTOR, C_e : 1.0
      3. SNOW LOAD IMPORTANCE FACTOR, I_s : 1.1
      4. THERMAL FACTOR, C_t : 1.0
      5. SLOPE FACTOR, C_s : 1.0
      6. SNOW DRIFT : SHOWN ON PLANS WHERE APPLICABLE.
   b. LIVE LOAD = 20 PSF
   c. DEAD LOAD = 15 PSF
3. WIND DESIGN
   a. BASIC WIND SPEED (3 SECOND GUST) : 110 MPH
   b. WIND EXPOSURE : C
   c. INTERNAL PRESSURE COEFFICIENT, G_{CPI} : 0.18
   d. COMPONENT AND CLADDING DESIGN WIND PRESSURE SHALL BE AS REQUIRED PER ASCE 7-16.
4. SEISMIC DESIGN :
   a. SEISMIC IMPORTANCE FACTOR, I_E : 1.25
   b. SITE CLASS : D
   c. MAPPED SPECTRAL RESPONSE ACCELERATIONS : S_S = 1.08 , S_1 = 0.36
   d. SPECTRAL RESPONSE COEFFICIENTS : S_{DS} = 0.769
   e. SEISMIC DESIGN CATEGORY : D
   f. BASIC SEISMIC-FORCE-RESISTING SYSTEM : LIGHT FRAMED SHEARWALLS
   g. SEISMIC RESPONSE COEFFICIENT, C_S : 0.147
   h. RESPONSE MODIFICATION FACTOR, R : 6.5
   i. ANALYSIS PROCEDURE : EQUIVALENT LATERAL FORCE

D. FOUNDATION

1. GENERAL
   a. DESIGN SOIL PRESSURE : 2500 PSF
   b. SOILS REPORT BY : GORDON GEOTECHNICAL ENGINEERING, INC
      REPORT # : 745-003-22
      DATED : APRIL 20, 2022
   c. SOIL PREPARATION UNDER FOUNDATIONS AND SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH THE SOILS REPORT.
   d. TOP OF FOOTING ELEVATIONS SHOWN ON THE FOOTING AND FOUNDATION PLAN ARE BASED ON PRELIMINARY GRADING INFORMATION AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. STEPS WHERE SHOWN ARE AT APPROXIMATE LOCATIONS. ACTUAL STEP LOCATIONS SHALL BE AT THE CONTRACTOR'S DISCRETION BASED UPON FIELD CONDITIONS. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 30 INCHES BELOW LOWEST ADJACENT FINAL GRADE.
   e. ALL WALLS (EXCEPT CANTILEVERED RETAINING WALLS) SHALL BE ADEQUATELY BRACED AGAINST LATERAL MOVEMENT PRIOR TO BACKFILLING. DESIGN AND ERECTION OF BRACING/SHORING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. BRACING SHALL REMAIN IN PLACE UNTIL SUPPORTING STRUCTURAL ELEMENTS ARE IN PLACE AND HAVE ATTAINED FULL STRENGTH.
   f. UNLESS NOTED OTHERWISE, ALL FOOTINGS AT COLUMNS SHALL BE CENTERED BELOW COLUMNS.
   g. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL HAVE VERTICAL FACES FORMED WITH STANDARD FORMING MATERIALS (WOOD, METAL, ETC.), WITH PRIOR APPROVAL OF ARCHITECT AND ENGINEER. CONCRETE FOR FOOTINGS CAN BE PLACED IN EXCAVATED SOIL "FORMS" PROVIDED THAT THE DIMENSIONS ARE INCREASED 3" ON ALL SIDE.

E. CONCRETE

1. ALL CONCRETE MIX DESIGNS SHALL COMPLY WITH THE PROJECT SPECIFICATIONS AND THE REQUIREMENTS LISTED BELOW :
   a. FOOTINGS, GRADE BEAMS, FOUNDATION WALLS :
      1. WHERE THE TOP OF THE ELEMENT IS EXPOSED (EXPOSURE CATEGORY F2) :
         a. 28 DAY COMPRESSIVE STRENGTH : 4500 PSI
         b. MAXIMUM W/C RATIO : 0.45
         c. MAXIMUM AGGREGATE SIZE : ***1"***
         d. AIR CONTENT : SEE SCHEDULE BELOW
      2. WHERE THE TOP OF THE ELEMENT IS NOT EXPOSED (EXPOSURE CATEGORY F0) :
         a. 28 DAY COMPRESSIVE STRENGTH : 3000 PSI
   b. INTERIOR SLABS ON GRADE (EXPOSURE CATEGORY F0) :
      1. 28 DAY COMPRESSIVE STRENGTH : 3000 PSI
   c. EXTERIOR SLABS (DOCKS, ETC.) (EXPOSURE CATEGORY F2) :
      1. 28 DAY COMPRESSIVE STRENGTH : 4500 PSI
      2. MAXIMUM W/C RATIO : 0.45
      3. MAXIMUM AGGREGATE SIZE : ***1"***
      4. MINIMUM AIR CONTENT : SEE SCHEDULE BELOW
   d. TOTAL AIR CONTENT FOR CONCRETE EXPOSED TO CYCLES OF FREEZING AND THAWING SHALL BE DETERMINED IN ACCORDANCE WITH THIS SCHEDULE. TOLERANCE ON AIR CONTENT AS DELIVERED SHALL BE +/- 1.5 PERCENT.

NOMINAL MAXIMUM AGGREGATE SIZE, IN.	TARGET AIR CONTENT, PERCENT F1	F2 AND F3
3/8	6	7.5
1/2	5.5	7
3/4	5	6
1	4.5	6
1-1/2	4.5	5.5
2	4	5
3	3.5	4.5

2. WATER USED IN MIXING CONCRETE SHALL CONFORM TO ASTM C1602.
3. NO PIPES, DUCTS, SLEEVES, ETC. SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. NO ALUMINUM PRODUCTS SHALL BE EMBEDDED IN CONCRETE. PENETRATIONS THRU STRUCTURAL CONCRETE ELEMENTS MUST BE APPROVED BY THE ENGINEER AND SHALL BE BUILT INTO THE ELEMENT PRIOR TO CONCRETE PLACEMENT.
4. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, ETC. TO BE CAST IN TO CONCRETE, AND FOR EXTENT AND LOCATION OF DEPRESSIONS, CURBS, RAMPS, ETC.
5. UNLESS NOTED OTHERWISE, MINIMUM REINFORCING IN ALL CONCRETE FOUNDATION WALLS SHALL BE AS FOLLOWS:

THICKNESS	TOP & BOTTOM BARS	VERTICAL	HORIZONTAL
8"	(2) #5	#4 AT 18"O.C.	#4 AT 12"O.C.

   UNLESS NOTED OTHERWISE, CONCRETE SLABS ON EARTH SHALL BE UNREINFORCED
6. UNLESS NOTED OTHERWISE, FOR NON-DETAILED OPENINGS IN CONCRETE WALLS LARGER THAN 12" AND SMALLER THAN 24" IN ANY DIRECTION ADD (2) #5 BARS ON ALL SIDES IN ADDITION TO REGULAR WALL REINFORCING AND EXTEND 24" EACH WAY BEYOND OPENING. IF 24" IS NOT AVAILABLE ON EVERY SIDE, NOTIFY STRUCTURAL ENGINEER FOR FURTHER DIRECTION. OPENINGS SHALL HAVE A MINIMUM OF 12" OF CONCRETE ABOVE THE OPENING, TYP.
7. CONSTRUCTION JOINTS NOT SHOWN ON THE PLANS SHALL BE MADE AND LOCATED SO AS TO NOT IMPAIR THE STRENGTH OF THE STRUCTURE AND AS APPROVED BY THE STRUCTURAL ENGINEER. PROVIDE 2 X 4 (SHAPED) KEYWAY IN ALL VERTICAL AND HORIZONTAL JOINTS UNLESS NOTED OR DETAILED OTHERWISE. ALL STEEL REINFORCING SHALL BE CONTINUOUS THROUGH COLD JOINTS UNLESS NOTED OTHERWISE. SEE TYPICAL DETAILS FOR COLD/CONSTRUCTION JOINTS FOR SLABS ON GRADE.
8. WHERE NEW CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE JOINT SHALL BE CLEAN AND FREE OF LAITANCE. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE PREWETTED AND STANDING WATER REMOVED. WHERE NOTED IN SPECIFIC DETAILS, HARDENED CONCRETE SHALL BE ROUGHENED TO 1/4" AMPLITUDE AND A BONDING AGENT SHALL BE APPLIED TO THE JOINT PRIOR TO PLACING NEW CONCRETE.

F. ANCHOR BOLTS/EMBEDDED BOLTS

1. ALL ANCHOR BOLTS SHALL HAVE ASTM A-563 HEAVY HEX NUT AND ASTM F-436 WASHERS AT STANDARD OR OVERSIZED HOLES PER AISC SPECIFICATION TABLE J3.3. WHERE HOLE SIZES DO NOT COMPLY WITH THE LIMITATIONS FOR OVERSIZED HOLES THE STRUCTURAL ENGINEER SHALL BE NOTIFIED TO DETERMINE STEEL PLATE WASHER REQUIREMENTS. ANCHOR BOLTS SHALL COMPLY WITH THE FOLLOWING :
   a. AT WOOD STUD WALLS - ASTM A-307 GRADE HEADED BOLTS. ANCHOR BOLTS IN TREATED LUMBER SHALL BE GALVANIZED OR STAINLESS STEEL. SEE TIMBER NOTES FOR MORE INFORMATION.
   b. AT ALL OTHER ANCHOR BOLTS (UNLESS NOTED OTHERWISE) - ASTM F1554 GRADE 36 HEADED BOLTS. (ASTM A36 THREADED ROD MAY BE USED WITH DOUBLE NUT AND WASHER.)
2. EMBEDDED BOLTS IN MASONRY SHALL BE (UNLESS NOTED OTHERWISE) ASTM A-307 GRADE HEADED BOLTS.
3. SEE TYPICAL ANCHOR BOLT DETAIL FOR DEFINITIONS OF EMBEDMENT LENGTH, ETC.
4. FURNISH TEMPLATES AND OTHER DEVICES AS NECESSARY FOR PRESETTING ALL BOLTS PRIOR TO PLACING CONCRETE AND/OR GROUT.
5. IF THREADED RODS ARE USED AS PERMITTED ABOVE, THEY SHALL BE CLEAR OF SOIL AND DIRT.
6. WHERE REQUIRED FOR ERECTION, HOLES LARGER THAN OVERSIZED MAY BE PERMITTED WITH THE USE OF STEEL PLATE WASHERS AT THE DISCRETION OF THE STRUCTURAL ENGINEER.

G. ADHESIVE/MECHANICAL ANCHORS

1. WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST-INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS.
2. WHERE STRUCTURAL DETAILS SPECIFY SPECIFIC BRANDS AND/OR TYPES OF ADHESIVES OR ANCHORS, SUBSTITUTIONS OF OTHER BRANDS AND/OR TYPES IS NOT ALLOWED, WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
3. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC ESR OR IAPMO REPORT AND SUPPORTING CALCULATIONS INDICATING COMPLIANCE WITH DESIGN INTENT.
4. ALL ADHESIVE/MECHANICAL ANCHORS SHALL BE INSTALLED, INCLUDING HOLE DRILLING AND PREPARATION, IN ACCORDANCE WITH AN APPROVED INDEPENDENT EVALUATION REPORT (ICC-ES, IAPMO, OR APPROVED EQUAL), AS INDICATED BELOW, AND IN ACCORDANCE WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
5. INSTALLERS SHALL BE, AT A MINIMUM, TRAINED FOR THE SPECIFIC APPLICATION INSTALLATION TECHNIQUE FOR THE SPECIFIC PRODUCT BY THE PRODUCT MANUFACTURERS FIELD EMPLOYEE OR SHALL POSSESS A TRAINING CARD OBTAINED BY THE MANUFACTURERS ONLINE TRAINING PROGRAM.
6. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. ADHESIVE ANCHORS SHALL NOT BE FULLY LOADED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH.
7. ADHESIVE ANCHORS SHALL CONSIST OF REINFORCING BAR OR THREADED RODS AS INDICATED IN THESE DOCUMENTS.
8. UNLESS APPROVED BY THE ENGINEER OF RECORD, CONCRETE AND DRILLED ANCHOR HOLES SHALL BE DRY AND FREE OF WATER FOR 14 DAYS PRIOR TO ADHESIVE INSTALLATION. CONTACT THE ENGINEER OF RECORD FOR GUIDANCE IF THE CONTRACTOR CHOOSES TO INSTALL IN DAMP, WATER-SATURATED, OR WATER-FILLED HOLES.
9. CONCRETE TEMPERATURE AT THE TIME OF INSTALLATION SHALL BE MONITORED BY THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) RELATIVE TO SUBSTRATE TEMPERATURE.
10. 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 IN ACCORDANCE WITH ACI 318-11 D.9.2.2. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. CONTINUOUS SPECIAL INSPECTION SHALL BE PROVIDED FOR THESE ANCHORS.
11. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO CONCRETE SHALL BE:
    a. HILTI HIT-RE 500-V3 (ESR-3814), OR HILTI HIT-HY 200-A (ESR-3187).
    b. SIMPSON SET-3G (ESR-4057), OR AT-XP (ER-0263).
    c. DEWALT PURE 110+ (ESR-3298), OR AC200+ GOLD (ESR-4027-COLD WEATHER).
12. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. HILTI HIT-HY 270 (ESR-4143).
    b. SIMPSON SET-XP (ER-0265), OR AT-XP (ER-0281).
    c. DEWALT AC100+ GOLD (ESR-3200).
13. UNLESS NOTED OTHER WISE, ALL MECHANICAL ANCHORS INTO CONCRETE SHALL BE:
    a. HILTI KWIK BOLT-TZ2 (ESR-4266).
    b. SIMPSON STRONG-BOLT 2 (ESR-3037).
14. UNLESS NOTED OTHERWISE, ALL MECHANICAL ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. HILTI KWIK BOLT-TZ2 (ESR-4561).
    b. SIMPSON STRONG BOLT 2 WEDGE ANCHOR (ER-0240).
    c. DEWALT SCREWBOLT+ (ESR-4042).
15. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO CONCRETE SHALL BE:
    a. SIMPSON TITEN HD (ESR-2713).
    b. DEWALT SCREWBOLT+ (ESR-3889).
    c. HILTI KWIK HUS-EZ (ESR-3027).
16. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO GROUTED MASONRY (CMU) SHALL BE:
    a. SIMPSON TITEN HD (ESR-1056).
    b. DEWALT SCREWBOLT+ (ESR-1678).
    c. HILTI KWIK HUS EZ (ESR-3056).
17. ALL MASONRY CELLS WITHIN 8" OF THE ANCHOR SHALL BE SOLID GROUTED.
18. THE TESTING LABORATORY WILL PERFORM VISUAL INSPECTION OF ANCHORS AND DOWELS AS SPECIFIED IN THE SPECIAL INSPECTION SCHEDULE AND THE APPROVED INDEPENDENT EVALUATION REPORT. TENSION TESTING CAN BE REQUIRED AT THE DIRECTION OF THE STRUCTURAL ENGINEER OF RECORD OR THE SPECIAL INSPECTOR.
19. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON THAT HOLE AND SHIFT THE ANCHOR LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM SPACE OF (2) ANCHOR HOLE DIAMETERS OR 2 INCHES, WHICH EVER IS LARGER, OF SOUND CONCRETE/MASONRY BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT OR AN APPROVED ANCHORING ADHESIVE. AT CONTRACTORS OPTION, LOCATE EXISTING REINFORCEMENT PRIOR TO DRILLING/CORING. IF THE ANCHOR OR DOWEL CANNOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
20. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

H. REINFORCING STEEL

1. REINFORCING BAR STRENGTH REQUIREMENTS:
   a. ALL REINFORCING BARS SHALL CONFORM TO ASTM STANDARD A-615 GRADE 60 AND ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-1064 AND SHALL BE SUPPLIED IN FLAT SHEETS. ADEQUATELY TIE AND SUPPORT ALL REINFORCING STEEL AS SPECIFIED BY ACI 117, TO MAINTAIN EXACT REQUIRED POSITION.
2. HEADED SHEAR STUD ASSEMBLIES SHALL CONFORM TO ASTM A1044.
3. STEEL DISCONTINUOUS FIBER REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO ASTM A820 AND SHALL HAVE A LENGTH TO DIAMETER RATIO NOT SMALLER THAN 50 AND NOT GREATER THAN 100.
4. HEADED DEFORMED BARS SHALL CONFORM TO ASTM A970. OBSTRUCTIONS OR INTERRUPTIONS OF THE BAR DEFORMATIONS, IF ANY, SHALL NOT EXTEND MORE THAN 2 BAR DIAMETERS FROM THE BEARING FACE OF THE HEAD.
5. ALL REINFORCING STEEL SHALL BE TIED IN PLACE AND ADEQUATELY SUPPORTED PRIOR TO PLACING CONCRETE. WET STABBING OF ANY REINFORCING STEEL IS NOT PERMITTED, UNLESS SPECIFICALLY DETAILED OTHERWISE OR APPROVED BY THE ENGINEER.
6. ALL FIELD BENT DOWELS SHALL BE GRADE 40 WITH SPACING INDICATED REDUCED BY 1/3.
7. UNLESS NOTED OTHERWISE, REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVERAGE :
   a. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ….. 3"
   b. EXPOSED TO EARTH OR WEATHER :
      1. #6 & LARGER ….. 2"
      2. #5 & SMALLER …..1-1/2"
   c. NOT EXPOSED TO WEATHER OR EARTH :
      1. SLABS, WALLS, JOISTS, #11 & SMALLER ….. 3/4"
      2. BEAMS, COLUMNS: MAIN REINFORCING OR TIES ….. 1-1/2"
   d. SLAB ON GRADE :
      1. PLACE REINFORCING AT CENTER OF SLAB UNLESS INDICATED OTHERWISE.
8. EXCEPT WHERE NOTED ON PLANS OR DETAILS CONTINUOUS REINFORCEMENT SHALL BE SPLICED AT POINTS OF MINIMUM STRESS BY LAPPING PER THE REBAR LAP SCHEDULE.
9. REINFORCING STEEL MAY BE SPLICED WITH MECHANICAL COUPLERS THAT HAVE A TENSION CAPACITY OF AT LEAST 125% OF THE STRENGTH OF THE BAR. MECHANICAL COUPLERS SHALL BE A POSITIVE CONNECTING TYPE COUPLER, AND SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED ICC RESEARCH REPORT. WHERE THESE ARE USED, SPLICES ON ADJACENT BARS SHALL BE STAGGERED AT LEAST 24 INCHES ALONG THE LENGTH OF THE BARS.
10. ALL VERTICAL REINFORCING IN STRUCTURAL ELEMENTS ABOVE SHALL BE SPLICED WITH MATCHING DOWELS EMBEDDED WITHIN THE FOOTINGS OR STRUCTURE BELOW. SPLICE LENGTHS SHALL COMPLY WITH REBAR LAP SCHEDULE. DOWELS INTO FOOTINGS SHALL TERMINATE WITH A STANDARD HOOK, AND SHALL EXTEND TO WITHIN 4" OF THE BOTTOM OF THE FOOTING, BUT NEED NOT EXTEND MORE THAN 20" INTO FOOTING.
11. DO NOT WELD REINFORCING EXCEPT AS NOTED ON PLANS, WHERE REINFORCING IS WELDED, USE ASTM A-706 REINFORCING.
12. REINFORCING BARS, TIES, AND TENDONS SHALL BE SUPPORTED BY NYLON CONES, PLASTIC-COATED TIE-WIRES, OR PLASTIC-COATED CHAIRS. REINFORCING IN FOOTINGS IS PERMITTED TO BE SUPPORTED ON CONCRETE DOBIES.
13. UNLESS NOTED OTHERWISE, HOOKS, STIRRUPS, TIES, AND OTHER BENDS IN REINFORCING STEEL SHALL MEET THE STANDARDS SET FORTH IN ACI 318/318R-14. UNLESS OTHERWISE PERMITTED BY THE ENGINEER, ALL REINFORCEMENT SHALL BE BENT COLD. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT, EXCEPT AS SHOWN ON THESE DRAWINGS OR OTHERWISE PERMITTED BY THE ENGINEER.
14. UNLESS SPECIFICALLY NOTED AND/OR DETAILED IN THE STRUCTURAL DRAWINGS CONDUIT SHALL NOT BE IN CONTACT WITH REINFORCING STEEL.

Structural Sheet Index	
SHEET NUMBER	SHEET NAME
S-001	STRUCTURAL NOTES
S-002	STRUCTURAL NOTES
S-003	SCHEDULES
S-004	SCHEDULES
S-101	FOOTING AND FOUNDATION PLAN
S-102	ROOF FRAMING PLAN
S-201	TYPICAL DETAILS
S-210	FOOTING AND FOUNDATION DETAILS
S-211	ROOF FRAMING DETAILS
S-212	ROOF FRAMING PLAN
S-401	SCHEMATIC REFERENCE

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
798 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT

LOGAN CITY SCHOOL DISTRICT

CONSTRUCTION DOCUMENTS

MARK:	DATE:	DESCRIPTION:
AD1	04.25.22	ADDENDUM #1

PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025

PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

STRUCTURAL NOTES
S-001

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:24:41 AM Autodesk Docs://12564 -CSD EIC Preschool Addition/S-25911 - LCSD EIC Addition - 2024.rvt

I. TIMBER

1. WOOD GRADES (UNLESS NOTED OTHERWISE)
   a. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR/LARCH CLEARLY MARKED WITH A STAMP BY WWPA APPROVED AGENCY AND SHALL BE GRADED AS FOLLOWS:
      1. HORIZONTAL MEMBERS: JOISTS & RAFTERS: NO. 2, BEAMS & STRINGERS: NO. 2.
      2. VERTICAL MEMBERS: POST & TRIMMERS: NO. 1, STUDS: NO. 2.
   b. ALL FRAMING IN CONTACT WITH FOOTINGS, FOUNDATIONS OR SLABS ON GRADE SHALL BE PRESSURE TREATED OR TIMBERSTRAND LSL TREATED LUMBER WITH EQUIVALENT STRESS GRADES TO TYPICAL FRAMING MEMBERS.
   c. UNLESS NOTED OTHERWISE, ALL ENGINEERED LUMBER SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL AND SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES :

	MODULUS OF ELASTICITY	FLEXURAL STRESS RATING
LVL :	2,000,000 PSI	2,600 PSI
PSL :	2,000,000 PSI	2,900 PSI
LSL :	1,500,000 PSI	2,250 PSI

   d. ALL WOOD "I" JOISTS AND BRIDGING SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL.
2. SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, EXTERIOR GLUE AND PANEL INDEX RATING AS NOTED BELOW UNLESS NOTED OTHERWISE :

LOCATION	THICKNESS	PANEL INDEX
WALLS :	7/16"	24/0
ROOFS :	19/32"	32/16

3. INDIVIDUAL PIECES OF SHEATHING AT ROOF, FLOOR, AND SHEAR WALLS SHALL NOT BE SMALLER THAN 24" IN EITHER DIRECTION AND SHALL SPAN A MINIMUM OF TWO FRAMING SPACES, UNO.
4. CONNECTIONS, FASTENERS, AND ADHESIVE
   a. ALL BOLTS THRU WOOD SHALL BE ASTM A307 AND SHALL HAVE HARDENED WASHERS UNDER ASTM A563 HEAVY HEX NUT AND BOLT HEADS.
   b. UNLESS NOTED OTHERWISE, 10d COMMON (0.148) NAILS SHALL BE USED TO FASTEN ALL PLYWOOD ROOF SHEATHING TO SUPPORTING TRUSSES, JOISTS, LEDGERS OR BLOCKING AS FOLLOWS:
      1. BOUNDARY NAILING "BN": 4"O.C. AT ALL BEARING WALLS, SHEAR WALLS, BLOCKING, AND WHERE OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS.
      2. PANEL EDGE NAILING "EN": 4"O.C. AT ALL OTHER PLYWOOD PANEL EDGES.
      3. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
   c. UNLESS NOTED OTHERWISE, AT WOOD SHEAR WALL, 8d COMMON (0.131) NAILS SHALL BE USED TO FASTEN ALL PLYWOOD SHEAR WALL SHEATHING TO STUDS AND BLOCKING AS FOLLOWS:
      1. PANEL EDGE NAILING "EN": 6"O.C.
      2. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
   d. NAILS SHALL BE GALVANIZED OR STAINLESS STEEL AT EXPOSED LOCATIONS OR IN TREATED WOOD (SEE NOTE BELOW FOR FASTENERS CONNECTED TO OR IN CONTACT WITH TREATED WOOD). THE HEAD OF ALL NAILS SHALL BE DRIVEN FLUSH WITH THE SURFACE OF THE SHEATHING.
   e. UNLESS NOTED OTHERWISE, ALL NAILS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES :

COMMON NAIL SIZE	SHANK DIAMETER	HEAD DIAMETER	LENGTH	MIN. PENETRATION INTO SUPPORT MEMBER
6d	0.113"	0.266"	2"	1.25"
8d	0.131"	0.281"	2-1/2"	1.375"
10d	0.148"	0.312"	3"	1.50"
12d	0.148"	0.312"	3-1/4"	1.50"
16d	0.162"	0.344"	3-1/2"	1.62"

   f. A CONTINUOUS BEAD OF PERMANENT BOND TIMBER/WOOD ADHESIVE COMPOUND SHALL BE USED TO FASTEN ALL PLYWOOD FLOOR SHEATHING TO FLOOR JOISTS IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS.
   g. ALL FRAMING ANCHORS, POST CAPS, HOLD DOWNS, COLUMN BASES ETC. TO BE PROVIDED BY SIMPSON OR APPROVED EQUAL AND SHALL BE ATTACHED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA, UNLESS NOTED OTHERWISE.
   h. UNLESS NOTED OTHERWISE, ALL WALL BOTTOM PLATES TO BE ANCHORED TO FOUNDATIONS OR FOOTINGS WITH 3/4" DIAMETER ANCHOR BOLTS AT 32"O.C. WITH 8" MINIMUM EMBEDMENT. THERE SHALL BE A MINIMUM OF (2) ANCHOR BOLTS PER PLATE WITH ONE BOLT LOCATED NOT MORE THAN 12" AND NOT LESS THAN 4" FROM EACH END OF EACH PIECE.
   i. WALL BOTTOM PLATES AT SHEAR WALLS SHALL INCLUDE 1/4" x 3" x 3" STEEL PLATE WASHERS BETWEEN THE SILL PLATE AND NUT OF THE ANCHOR BOLT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND SLOT LENGTH NOT TO EXCEED 1-3/4", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE PLATE WASHER SHALL EXTEND TO WITHIN ½" OF THE EDGE OF THE BOTTOM PLATE ON THE SHEATHED SIDE.
   j. FASTENERS CONNECTED TO OR IN CONTACT WITH PRESERVATIVE-TREATED AND/OR FIRE-RETARDANT-TREATED WOOD (EXCEPT FOR TIMBERSTRAND LSL TREATED LUMBER AND BORATE BASED TREATMENTS) SHALL BE OF G-185 HOT-DIP GALVANIZED STEEL OR 304 OR 316 STAINLESS STEEL. STAINLESS STEEL AND GALVANIZED STEEL SHALL NEVER BE USED IN CONTACT WITH EACH OTHER.
   k. EXCEPT WHERE NOTED OTHERWISE, THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN IBC TABLE 2304.10.1. CONNECTIONS FOR MULTIPLE PIECES OF ENGINEERED LUMBER PIECES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
5. ALL METAL-PLATE-CONNECTED WOOD TRUSSED RAFTERS SHALL BE FABRICATED IN COMPLIANCE WITH THE RESEARCH COMMITTEE RECOMMENDATIONS OF THE ICC FOR THE CONNECTOR PLATES USED. SUBMIT DESIGN CALCULATIONS WITH ENGINEERS SEAL FOR REVIEW WITH SHOP DRAWINGS. PROVIDE CALCULATIONS AND DETAILS FOR ALL TRUSS TO TRUSS CONNECTIONS INCLUDING CONNECTION HARDWARE. ALL NECESSARY TRUSS BRIDGING AND CONNECTION DESIGN OF TRUSS BRIDGING SHALL BE PROVIDED BY THE TRUSS DESIGNER AND SHALL BE INCLUDED IN THE DESIGN CALCULATIONS FOR REVIEW.
6. INSTALLATION OF ALL METAL-PLATE-CONNECTED WOOD TRUSSES SHALL COMPLY WITH THE FOLLOWING STANDARDS :
   a. ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSSES".
   b. TPI HIB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING INSTALLING & BRACING METAL-PLATE-CONNECTED WOOD TRUSSES".
   c. TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL-PLATE-CONNECTED WOOD TRUSSES".
7. UNLESS NOTED OTHERWISE, WALL SHEATHING AT SHEAR WALLS SHALL HAVE SOLID BLOCKING AT ALL PANEL EDGES.
8. PROVIDE DOUBLE JOIST UNDER PARALLEL NONBEARING WALLS AND SOLID BLOCKING UNDER PERPENDICULAR NONBEARING WALLS.
9. AT ALL OVERBUILD LOCATIONS, ROOF SHEATHING SHALL BE COMPLETE BELOW OVERBUILDS PRIOR TO OVERBUILD CONSTRUCTION.
10. PROVIDE SOLID 2" (NOMINAL) FULL DEPTH BLOCKING AT ENDS AND SUPPORT LOCATIONS FOR ALL JOISTS AND RAFTERS. BLOCKING SHALL BE ATTACHED TO SUPPORT FRAMING WITH A MINIMUM OF (1) SIMPSON A35 FRAMING ANCHOR BETWEEN JOISTS UNLESS NOTED OTHERWISE.
11. UNLESS NOTED OTHERWISE, ALL BEARING WALLS SHALL BE 2x6 SPACED AT 16"O.C. BLOCK ALL NON-SHEATHED BEARING WALLS AT 4'-0"O.C.
12. VERIFY THE STUD SPACING WITH THE ANCHOR BOLT LAY-OUT. WHERE STUDS INTERFERE WITH ANCHOR BOLTS, PROVIDE AN ADDITIONAL FULL-HEIGHT STUD TO ENSURE THAT THE FULL CROSS-SECTIONAL AREA OF THE STUD IS IN CONTACT WITH THE SILL PLATE.
13. UNLESS NOTED OTHERWISE, ALL EXTERIOR WALLS AND SHEAR WALLS SHALL HAVE DOUBLE 2X TOP PLATES THAT ARE SPLICED TOGETHER WITH A MINIMUM OF 24" OF OVERLAP AND SHALL BE CONNECTED TOGETHER WITH A MINIMUM OF (14) 10d COMMON NAILS EACH SIDE OF THE SPLICE. OUTSIDE OF THESE SPLICE LOCATIONS, TOP PLATES SHALL BE NAILED TOGETHER WITH 10d NAILS AT 12" O.C.
14. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE INSTALLED WITH THE NATURAL CROWN UP.

J. STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

1. STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ELEMENTS, PARTS, OR PORTIONS OF THE OVERALL STRUCTURAL SYSTEM THAT ARE INDICATED OR REFERRED TO ON THESE DRAWINGS AND THAT ARE CRITICAL TO THE PERFORMANCE OF THE OVERALL STRUCTURAL SYSTEM. DESIGN CRITERIA HAS BEEN PROVIDED FOR THESE ITEMS IN THE STRUCTURAL NOTES, PLANS, AND DETAILS.
2. STRUCTURAL DEFERRED SUBMITTALS ARE COMPLETE PACKAGES TO BE SUBMITTED FOR REVIEW THAT INCLUDE DRAWINGS AND CALCULATIONS FOR ALL DELEGATED DESIGN ITEMS AND THEIR CONNECTIONS. DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN.
3. ARW ENGINEERS WILL REVIEW STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. STRUCTURAL DELEGATED DESIGN COMPONENTS SHALL NOT BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.
5. STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO :
   a. METAL-PLATE-CONNECTED WOOD TRUSSES, BLOCKING, BRIDGING, BRIDGING CONNECTIONS, TRUSS HANGERS, AND RELATED COMPONENTS.
   b. STRUCTURAL INSULATED PANELS (SIP), INCLUDING HOLDOWNS. SEE SCHEDULE AND NOTES ON SHEET S-004 FOR ADDITIONAL INFORMATION.

K. NON-STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

1. NON-STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ITEMS NOT INCLUDED IN THE STRUCTURAL DELEGATED DESIGN SECTION. THESE ARE ITEMS THAT ARE NOT CRITICAL TO THE OVERALL PERFORMANCE OF THE STRUCTURAL SYSTEM BUT THAT IMPART LOADS AND FORCES TO THE STRUCTURAL SYSTEM.
2. NON-STRUCTURAL DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
3. ARW ENGINEERS WILL REVIEW NON-STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. IF THE STRUCTURAL DRAWINGS INCLUDE LOADS TO ACCOMMODATE NON-STRUCTURAL ELEMENTS, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENTS COMPLY WITH THE LOADING CRITERIA PROVIDED HEREIN. SUCH DOCUMENTATION SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
5. WHEN THE NON-STRUCTURAL DEFERRED SUBMITTAL INDICATES THAT THE ELEMENT WILL IMPART FORCES IN EXCESS OF LOADS THAT ARE INDICATED ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL SUBMIT A DETAILED GRAPHICAL REPRESENTATION OF THOSE DESIGN LOADS, INCLUDING MAGNITUDE, AND LOCATION. THE GRAPHIC SHALL BE ACCOMPANIED BY DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENT DESIGN COMPLIES WITH THE LOADING CRITERIA PROVIDED HEREIN. THE LETTER SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
6. NON-STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO :
   a. SEISMIC BRACING OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS WHERE REQUIRED BY THE MOST RECENT VERSION OF ASCE 7 AND THE PROJECT CONTRACT DOCUMENTS.

L. EXISTING BUILDING NOTES

1. ARW ENGINEERS EXPRESSLY DISCLAIMS RESPONSIBILITY FOR ANY PORTION OF THE EXISTING BUILDING NOT SPECIFICALLY ADDRESSED IN THESE DRAWINGS.
2. DRAWINGS AND DETAILS HAVE BEEN PREPARED TO REFLECT THE EXISTING CONDITIONS AND CONFIGURATIONS OF STRUCTURAL ELEMENTS. HOWEVER, THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND ALERTING THE ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO FABRICATING OR INSTALLING STRUCTURAL ELEMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT THE BUILDING AND ELEMENTS WITHIN THE BUILDING REMAIN STABLE UNTIL CONSTRUCTION IS COMPLETE. AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SHORING OR OTHER TEMPORARY SUPPORT OF STRUCTURAL MEMBERS UNTIL THE FINAL CONFIGURATION HAS BEEN COMPLETED.

CONSTRUCTION DOCUMENTS

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
798 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025

PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

STRUCTURAL NOTES

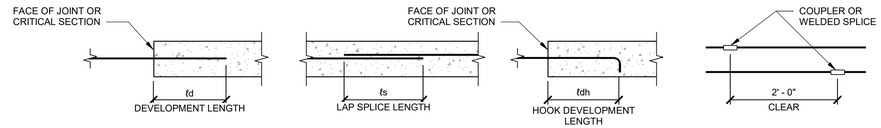
S-002

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:34:41 AM Autodesk Docs://732904 - LCSD ECC Preschool Addition/S-25811 - LCSD ECC Addition - 2024.rvt

2021 IBC CONCRETE REBAR LAP SPLICE SCHEDULE (60KSI REBAR)

FOR CONCRETE APPLICATIONS (ACI 318 - 19)



BAR LOCATION	CONCRETE TYPE	CONCRETE STRENGTH	CONCRETE REINFORCING & SPLICE LENGTHS (IN) BAR SIZE																										COMMENTS
			#3			#4			#5			#6			#7			#8			#9			#10			#11			
			ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	
VERT. WALL BARS, FILL ON METAL DECK	NWC	3000 PSI	17	22	6	22	29	6	28	36	8	33	43	11	48	62	14	55	72	16	62	81	20	70	91	23	78	101	27	
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	3000 PSI	22	29	6	29	38	6	36	47	8	43	56	11	63	82	14	72	94	16	81	105	20	91	118	23	101	131	27	
BEAM BOTTOM BARS, COLUMN BARS	NWC	3000 PSI	17	22	6	22	29	10	28	36	13	33	43	17	48	62	21	55	72	26	62	81	31	70	91	37	78	101	43	
FOOTING BOTTOM BARS, SLAB ON GRADE	NWC	3000 PSI	12	16	6	14	18	6	17	22	8	20	26	11	29	38	14	33	43	16	38	49	20	42	55	23	46	61	27	
SLAB TOP BARS[5] BEAM TOP BARS	NWC	3000 PSI	22	29	6	29	38	10	36	47	13	43	56	17	63	82	21	72	94	26	81	105	31	91	118	37	101	131	43	

BAR LOCATION	CONCRETE TYPE	CONCRETE STRENGTH	CONCRETE REINFORCING & SPLICE LENGTHS (IN) BAR SIZE																										COMMENTS
			#3			#4			#5			#6			#7			#8			#9			#10			#11			
			ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	ℓd	ℓs	ℓdh	
VERT. WALL BARS, FILL ON METAL DECK	NWC	4500 PSI	14	18	6	18	23	6	23	30	8	27	35	10	40	52	12	45	59	15	51	66	18	57	74	21	64	83	25	
HORIZ. WALL BARS, FOOTING TOP BARS	NWC	4500 PSI	18	23	6	24	31	6	30	39	8	35	46	10	51	66	12	59	77	15	66	86	18	74	96	21	82	107	25	
BEAM BOTTOM BARS, COLUMN BARS	NWC	4500 PSI	14	18	6	18	23	9	23	30	12	27	35	16	40	52	20	45	59	24	51	66	29	57	74	34	64	83	40	
FOOTING BOTTOM BARS, SLAB ON GRADE	NWC	4500 PSI	12	16	6	12	16	6	13	17	8	16	21	10	23	30	12	26	34	15	29	38	18	33	43	21	36	47	25	
SLAB TOP BARS[5] BEAM TOP BARS	NWC	4500 PSI	18	23	6	24	31	9	30	39	12	35	46	16	51	66	20	59	77	24	66	86	29	74	96	34	82	107	40	

NOTES :
1. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS INDICATED ABOVE.
2. WHERE EPOXY COATING IS USED, LENGTHS INDICATED IN THIS SCHEDULE SHALL BE INCREASED BY 50%. HOOKED DEVELOPMENT LENGTHS (ℓdh) SHALL INCREASE BY 20%.
3. WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.
4. SPLICE BARS LARGER THAN #11 USING MECHANICAL COUPLERS.
5. SLAB TOP BARS ONLY FOR SLABS 12" OR GREATER IN THICKNESS.

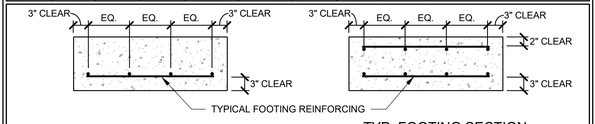
LEGEND OF SYMBOLS AND ABBREVIATIONS

AB	=	ANCHOR BOLT
ABV	=	ABOVE
ARCH	=	ARCHITECT
BLW	=	BELOW
BN	=	BOUNDARY NAILING
BS	=	BOUNDARY SCREW
BRB	=	BUCKLING RESTRAINED BRACE
BRBF	=	BUCKLING RESTRAINED BRACE FRAME
CJP	=	COMPLETE JOINT PENETRATION
CL	=	CENTERLINE
CMU	=	CONCRETE MASONRY UNIT
COL	=	COLUMN
CONC	=	CONCRETE
CP	=	CONCRETE PIER
DC	=	DEMAND CRITICAL
DIA / Ø	=	DIAMETER
DBA	=	DEFORMED BAR ANCHOR
DBE	=	DECK BEARING ELEVATION
ELEV	=	ELEVATION
EN	=	EDGE NAILING
EOD	=	EDGE OF DECK
FDN	=	FOUNDATION
FTG	=	FOOTING
FFE	=	FINISHED FLOOR ELEVATION
GB	=	CONCRETE GRADE BEAM
HSA	=	HEADED STUD ANCHOR
JBE	=	JOIST BEARING ELEVATION
KB	=	KICKER BRACE
MAX	=	MAXIMUM
MB	=	MASONRY BEAM
MC	=	MASONRY COLUMN
MECH	=	MECHANICAL
MEZZ	=	MEZZANINE
MIN	=	MINIMUM
MJ	=	MASONRY JAMB
MW	=	MASONRY WALL
NS, FS	=	NEAR SIDE, FAR SIDE
OAE	=	OR APPROVED EQUAL
OPP	=	OPPOSITE
PAF	=	POWDER ACTUATED FASTENER
PL	=	PLATE
REINF	=	REINFORCING
REQ'D	=	REQUIRED
SIM	=	SIMILAR
SSH	=	STEEL STUD HEADER
SSJ	=	STEEL STUD JAMB
SSS	=	STEEL STUD SILL
SSW	=	STEEL STUD WALL
TOB	=	TOP OF BEAM ELEVATION
TOC	=	TOP OF CONCRETE SLAB
TOF	=	TOP OF FOOTING
TOG	=	TOP OF GIRDER ELEVATION
TOM	=	TOP OF MASONRY
TOS	=	TOP OF STEEL ELEVATION
TYP	=	TYPICAL
UNO	=	UNLESS NOTED OTHERWISE

FOOTING MARK
TOP OF FOOTING ELEVATION
SECTION MARK
SHEET NUMBER
TOP OF FOUNDATION WALL OR COLUMN PIER ELEVATION
SHEAR WALL - SEE SCHEDULE
MIN. LENGTH OF SHEAR WALL
S S FOOTING STEP
MASONRY WALL
DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT MASONRY FOUNDATION WALL
DEPRESS FDN./WALL AND POUR FLOOR SLAB OVER AT CONCRETE FOUNDATION WALL
MASONRY BEAM
CONCRETE BEAM
HD POST +"A" ELEVATION
HD - SIMPSON HOLDOWN SIZE
POST - SIZE OF END POST CONNECTED TO HOLDOWN
"A" - PLAN CONFIGURATION AT HOLDOWN AT FOUNDATION
L FRAMING ANGLE SEE TYPICAL DETAIL
C FRAMING CHANNEL SEE TYPICAL DETAIL
L ITEMS, DETAILS, & SYSTEMS WHICH ARE PART OF THE LATERAL FORCE RESISTING SYSTEM.
MOMENT RESISTING CONNECTIONS - SEE DETAIL
MOMENT RESISTING CANTILEVER CONNECTIONS - SEE DETAIL
KB KICKER BRACE

FOOTING SCHEDULE

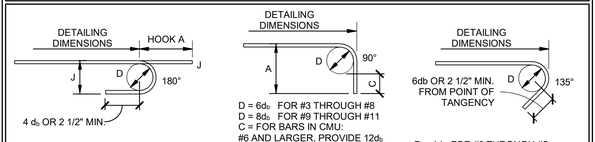
MARK	WIDTH	LENGTH	THICK	LENGTHWISE REINF. NO.	LENGTHWISE REINF. SIZE	CROSSWISE REINF. NO.	CROSSWISE REINF. SIZE	CROSSWISE REINF. SPA.	REMARKS
FC2	2'-0"	CONT.	12"	(2)	#5	--	--	--	
FT2	2'-0"	CONT.	12"	(2)	#5	--	--	--	SEE DETAIL 2/S210
FT3	3'-0"	3'-0"	14"	(3)	#5	(3)	#5	--	THICKENED SLAB, REINFORCE TOP AND BOTTOM - SEE 6/S-210



TYP. FOOTING SECTION

TYP. FOOTING SECTION W/ TOP & BOTTOM REINF.

STANDARD HOOK & BEND SCHEDULE



D = $6d_b$ FOR #3 THROUGH #8
D = $8d_b$ FOR #9 THROUGH #11

D = $6d_b$ FOR #3 THROUGH #8
D = $8d_b$ FOR #9 THROUGH #11
C = FOR BARS IN CMU:
#6 AND LARGER, PROVIDE $12d_b$ FROM POINT OF TANGENCY
#5 AND SMALLER, PROVIDE $6d_b$ FROM POINT OF TANGENCY
(2 1/2" MINIMUM)

D = $4d_b$ FOR #3 THROUGH #5
D = $6d_b$ FOR #6 THROUGH #8
D = $8d_b$ FOR #9 THROUGH #11

NOTE: d_b = BAR DIAMETER

BAR SIZE	DIMENSION OF STANDARD 180° HOOKS, ALL GRADES A	DIMENSION OF STANDARD 180° HOOKS, ALL GRADES J	DIMENSION OF STANDARD 90° HOOKS, ALL GRADES A
#3	5"	3"	6"
#4	6"	4"	8"
#5	7"	5"	10"
#6	8"	6"	1'-0"
#7	10"	7"	1'-2"
#8	11"	8"	1'-4"
#9	1'-3"	11 3/4"	1'-7"
#10	1'-5"	1'-1 1/4"	1'-10"
#11	1'-7"	1'-2 3/4"	2'-0"

TABLE OF EQUIVALENT FASTENERS

STAPLES, NAILS AND T-NAILS (VALID FOR LATERAL LOADS ONLY)

COMMON NAIL SPACING		EQUIVALENT SPACING OF APPROVED FASTENERS STAPLES			NAILS & T-NAILS	
GAUGE		16	15	14	.113	.131
PENETRATION		1"	1"	1"	1 1/4"	1 1/2"
6d AT:	4"	3 1/2"	4"	5"	4"	5"
	6"	5"	6"	7"	6"	7 1/2"
	8"	6 1/2"	8"	9 1/2"	8"	10"
	10"	8 1/2"	10"	12"	10"	12"
	12"	10"	12"	14 1/2"	12"	14 1/2"
8d AT:	4"	2 1/2"	3 1/2"	4"	3 1/2"	4"
	6"	4"	5"	6"	5"	6"
	8"	5 1/2"	6 1/2"	8"	6 1/2"	8"
	10"	6 1/2"	8"	10"	8"	10"
	12"	8"	10"	12"	9 1/2"	12"
10d AT:	4"	2"	2 1/2"	3"	2 1/2"	3 1/2"
	6"	3 1/2"	4"	5"	4"	5"
	8"	4 1/2"	5 1/2"	6 1/2"	5 1/2"	7"
	10"	5 1/2"	7"	8"	6 1/2"	8 1/2"
	12"	6 1/2"	8"	9 1/2"	8"	10"

NOTES:
PENETRATION IS THE DEPTH OF EMBEDMENT OF THE STAPLE OR NAIL INTO THE MAIN MEMBER REQUIRED TO ATTAIN ITS FULL CAPACITY (SHEAR VALUE) FOR LATERAL LOADING.

CONSTRUCTION DOCUMENTS

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
795 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT
LOGAN CITY SCHOOL DISTRICT

DESCRIPTION:
DATE:
MARK:

PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025



SCHEDULES

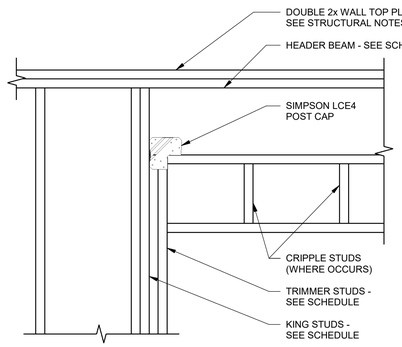
S-003

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:34:43 AM Autodesk Docs://125004 - LCSD ECC Preschool Addition/S-25911 - LCSD ECC Addition - 2024.rvt

WOOD OPENING SCHEDULE

OPENING SIZE	KING STUDS	TRIMMER STUDS	HEADER BEAM
UP TO 6'-0"	(2) 2x6	(2) 2x6	(3) 2x10
6'-1" TO 10'-0"	(2) 2x6	(2) 2x6	(3) 1.75x9.25 LVL
10'-1" TO 16'-0"	(3) 2x6	(2) 2x6	(3) 1.75x11.875 LVL



BEARING WALL SCHEDULE

BW-1	2x6 AT 16"o.c.

NOTES:
1. COORDINATE FRAMING AT SHEARWALL PANEL EDGES WITH THE SHEARWALL SCHEDULE ON SHEET S-004. 3x STUDS MAY BE REQUIRED AT PANEL EDGES EVEN IN A 2x STUD WALL.
2. ALL BEARING WALLS ARE BW-1 U.N.O.
3. ALL UNSHEATHED WALLS SHALL HAVE BLOCKING AT 4'-0"o.c. U.N.O.
4. 2x6 STUDS MAY BE REPLACED WITH 1 3/4" x 5 1/2" LSL STUDS AT CONTRACTOR'S OPTION.

SPECIAL INSPECTION SCHEDULE [1, 2]

ESTABLISHED PER 2021 IBC SECTION 110 AND CHAPTER 17

ITEM	CONTINUOUS[3]	PERIODIC[3]	REFERENCE	COMMENTS
PRE-FAB CONSTRUCTION (IBC 1704.2)			REFERENCE NOTES P1 & P2	P1. SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION, PROVIDED THE FABRICATOR COMPLIES WITH IBC. P2. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE. (SEE NOTE 2).
CONCRETE CONSTRUCTION (IBC 1705.3)			SEE IBC TABLE 1705.3 - REF. NOTE C1	C 1. SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1705.3 ARE MET. C 2. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE. C 3. PERFORM AIR, SLUMP AND TEMP. TESTS WHEN CONCRETE SAMPLES ARE CAST. C 4. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS. C 5. EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT AND ACI 318: 17.8.2.4.
REINFORCING STEEL PLACEMENT		●		
WELDING OF REINFORCING STEEL	●	●	REFERENCE NOTE C2	
ANCHORS CAST IN CONCRETE	●			
VERIFYING REQUIRED DESIGN MIX		●		
CONCRETE PLACEMENT / SAMPLING	●		REFERENCE NOTE C3	
CURING TEMPERATURE / TECHNIQUES		●		
ERECTION OF PRECAST MEMBERS		●		
VERIFICATION OF IN-SITU STRENGTH		●	REFERENCE NOTE C4	
POST-INSTALLED ANCHOR PLACEMENT	●	●	REFERENCE NOTE C5	
WOOD (IBC 1705.5 & 1705.12.1 & 1705.13.2)				W 1. WOOD STRUCTURAL PANEL SHEATHING SHALL BE INSPECTED TO ASCERTAIN THAT GRADE AND THICKNESS ARE IN COMPLIANCE WITH APPROVED BUILDING PLANS. NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL OR STAPLE DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES, AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS SHALL ALSO BE INSPECTED AND VERIFIED FOR COMPLIANCE WITH APPROVED BUILDING PLANS. W 2. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM, WHERE THE LATERAL RESISTANCE IS PROVIDED BY STRUCTURAL SHEATHING AND THE SPECIFIED FASTENER SPACING AT PANEL EDGES IS MORE THAN 4"o.c. W 3. SPECIAL INSPECTION SHALL BE PERFORMED TO VERIFY THAT THE INSTALLATION OF TEMPORARY AND PERMANENT RESTRAINT/BRACING IS INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.
HIGH LOAD DIAPHRAGMS (ROOF / FLOOR)		●	REFERENCE NOTE W1	
SITE-BUILT ASSEMBLIES		●		
SHEAR WALL & DIAPHRAGM NAILING		●	REFERENCE NOTE W2	
DRAG STRUTS		●		
BRACES & SHEAR PANELS		●		
HOLDOWNS		●		
GLUING OPERATIONS	●			
METAL-PLATE-CONNECTED WOOD TRUSSES WITH HEIGHTS GREATER THAN OR EQUAL TO 60"		●	REFERENCE NOTE W2	
METAL-PLATE-CONNECTED WOOD TRUSSES WITH SPANS GREATER THAN OR EQUAL TO 60 FEET		●	REFERENCE NOTE W3	
SOILS (IBC 1705.6)			REFERENCE NOTE F1	F 1. SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED GEOTECHNICAL REPORT TO DETERMINE COMPLIANCE. F 2. WHERE GEOTECHNICAL REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557. F 3. CONTINUOUS SPECIAL INSPECTION IS REQUIRED DURING FILL PLACEMENT. VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		●	REFERENCE NOTE F1	
EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL		●	REFERENCE NOTE F2	
CLASSIFY & TEST CONTROLLED FILL MATERIALS		●	REFERENCE NOTE F2	
FILL MATERIAL AND PLACEMENT	●		REFERENCE NOTE F3	
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL.		●	REFERENCE NOTE F1	

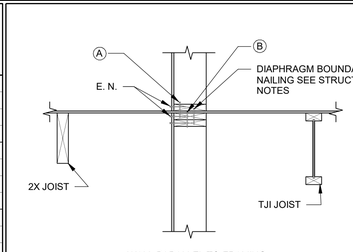
GENERAL SPECIAL INSPECTION NOTES :

1. THE ITEMS MARKED WITH A "●" IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
2. ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.
3. CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. (IBC SECTION 202)

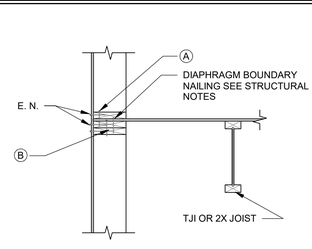
WOOD SHEAR WALL SCHEDULE

WALL MARK	LEVEL	(NOTE 8) SHEATHING (OSB U.N.O.)	EDGE NAILING (E.N.) (SEE NOTES 2 & 3)	NOMINAL BOTTOM PLATE SIZE	(NOTE 7) NOM. STUD SIZE (MIN.)	CONNECTION NAILING			TYP. SILL PLATE ANCHOR BOLTS (NOTE 9)		COMMENTS
						BOTTOM PL. Ⓐ (SEE NOTE 4) (L)-LAG (ST)-STAGGER	NAILING TOP PL. TOGETHER Ⓑ	BLKG. TO TOP PL. Ⓒ	DIA.	SPA.	
SW-1	1ST TO ROOF	15/32"	10d AT 6"o.c.	2x	2x6 AT 16"o.c.	16d AT 6"o.c.	16d AT 6"o.c.	A35 AT 16"o.c.	3/4" DIA.	32"o.c.	
SW-2	1ST TO ROOF	15/32"	10d AT 6"o.c.	2x	2x6 AT 12"o.c.	16d AT 6"o.c.	16d AT 6"o.c.	A35 AT 16"o.c.	3/4" DIA.	32"o.c.	
SW-3	1ST TO ROOF	15/32"	10d AT 4" o.c.	2x	2x6 AT 12"o.c.	16d AT 6"o.c.	16d AT 6"o.c.	A35 AT 16"o.c.	3/4" DIA.	32"o.c.	

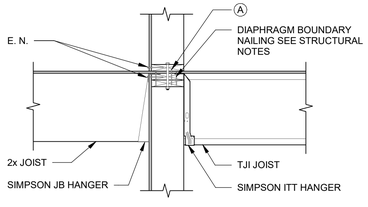
NOTES:
1. ALL SHEATHING PANEL EDGES TO BE BLOCKED. USE 3x BLOCKING WHERE 3x STUDS ARE REQUIRED.
2. ALL NAILS TO BE COMMON OR GALVANIZED BOX.
3. FIELD NAILING TO BE SAME NAILS @ 12"o.c.
4. Ⓐ CONNECTION IS FOR 2ND FLOOR AND ABOVE.
5. AT SHEAR WALLS W/ SHEATHING ON BOTH SIDES, BOTH VERTICAL AND HORIZONTAL JOINTS ON OPPOSITE SIDES OF THE WALL SHALL BE STAGGERED.
6. STAGGER E.N. AT DOUBLE TOP PLATES.
7. 3x NOMINAL FRAMING MEMBERS TO OCCUR AT ABUTTING PANEL EDGES FOR EDGE NAILING OF 4"o.c. OR LESS. 2x NOMINAL FRAMING MEMBERS MAY BE USED AT INTERIOR OF PANEL, UNLESS NOTED OTHERWISE IN FLOOR FRAMING NOTES. (2) 2x NAILED TOGETHER W/ (2) 16d NAILS @ 16"o.c. OR 4x NOMINAL FRAMING MEMBERS OF THE SAME DEPTH AND LUMBER GRADE MAY BE USED IN LIEU OF 3x MEMBERS AT CONTRACTOR OPTION.
8. SHEATHING SHALL BE STAMPED W/ APA STAMP. PLYWOOD OF EQUIVALENT THICKNESS, GRADE, AND RATING MAY BE USED IN LIEU OF OSB.
9. ALL SILL PLATE ANCHOR BOLTS TO HAVE MINIMUM 8" EMBEDMENT INTO CONCRETE. SEE DETAILS 6,7, AND 9/S-210 FOR HOLDOWN ANCHORAGE REQUIREMENTS.
10. SEE THIS SHEET FOR TYPICAL SHEAR TRANSFER DETAILS.
11. TOP PLATE SPLICE NAILING SHALL APPLY TO EACH SIDE OF THE SPLICE. THE LENGTH OF THE OVERLAP SHALL BE SUFFICIENT TO PREVENT SPLITTING (48" MIN.)



WALL PARALLEL TO FRAMING

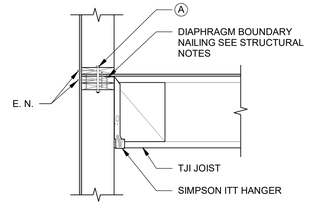


WALL PARALLEL TO FRAMING



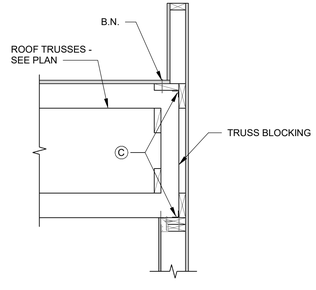
WALL PERPENDICULAR TO FRAMING

INTERIOR
SHEAR TRANSFER DETAILS



WALL PERPENDICULAR TO FRAMING

EXTERIOR
SHEAR TRANSFER DETAILS



WALL SUPPORTING ROOF TRUSSES

ROOF
SHEAR TRANSFER DETAILS

CONSTRUCTION DOCUMENTS

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
793 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT
LOGAN CITY SCHOOL DISTRICT

DESCRIPTION:
DATE:
MARK:

PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025

PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

SCHEDULES

S-004

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:34:43 AM Autodesk Docs://125004 - LCSD ECC Preschool Addition/S-25911 - LCSD ECC Addition - 25DN.rvt

FOOTING & FOUNDATION NOTES :

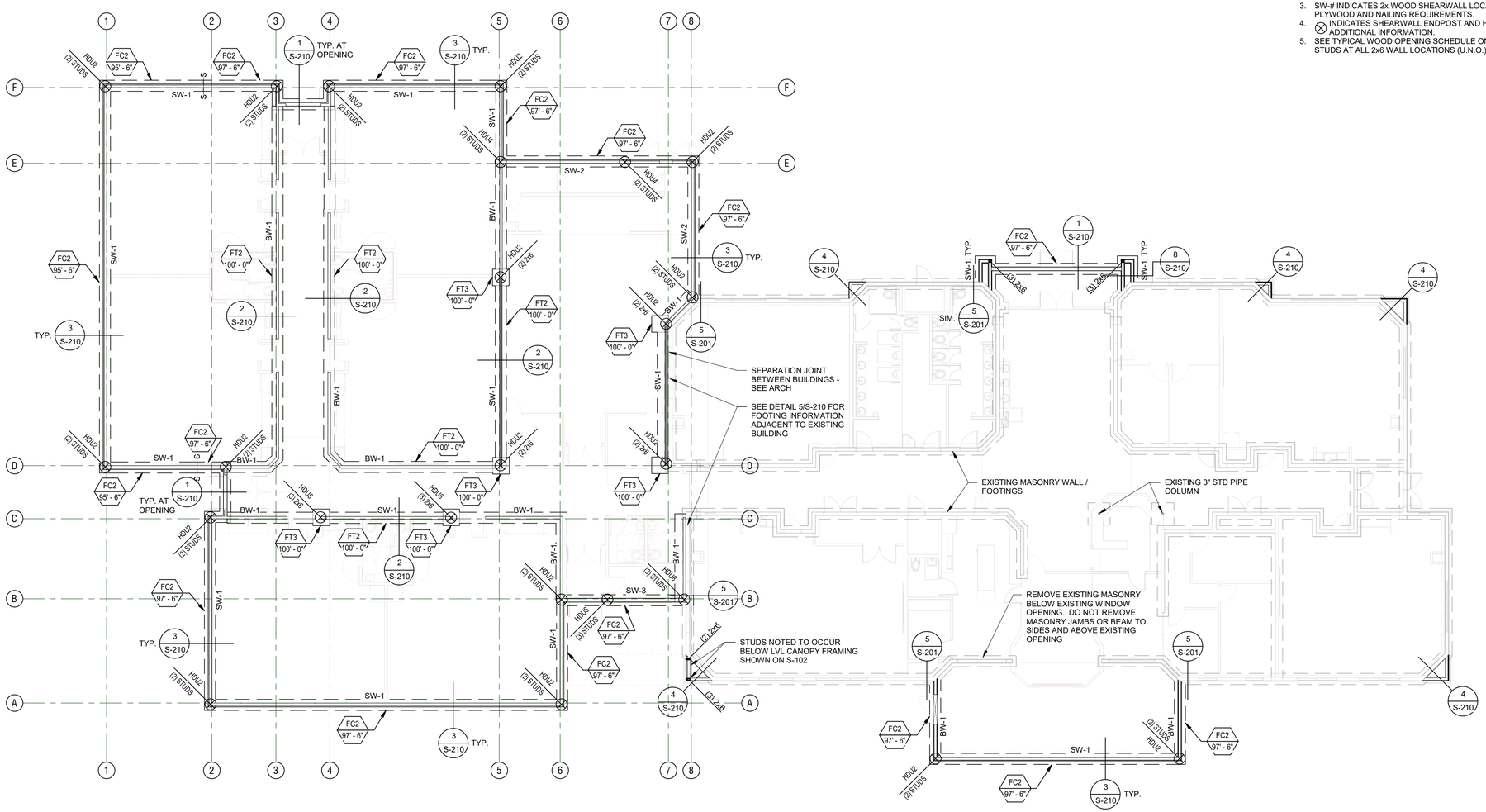
1. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES.
3. VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.
4. SOLID GROUT ALL MASONRY COURSES BELOW FINISHED FLOOR OR EXTERIOR GRADE (WHICHEVER IS HIGHER).
5. SEE SHEET S-003 FOR FOOTING SCHEDULE.
6. PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
7. SEE SHEET S-201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
8. ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
9. FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
10. ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
11. COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS.

CONCRETE SLAB NOTES :

1. SLAB ON GRADE SHALL BE 4" THICK CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY FREE DRAINING MATERIAL AS PRESCRIBED IN THE SOILS REPORT.
2. SEE SHEET S-201 FOR CONTROL AND CONSTRUCTION JOINT INFORMATION.

WOOD WALL FRAMING NOTES :

1. SEE SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. BW-# INDICATES 2x WOOD BEARING WALLS. SEE SCHEDULE ON SHEET S-004 FOR ADDITIONAL INFORMATION.
3. SW-# INDICATES 2x WOOD SHEARWALL LOCATIONS. SEE GENERAL STRUCTURAL NOTES FOR PLYWOOD AND NAILING REQUIREMENTS.
4. ⊗ INDICATES SHEARWALL ENDPOST AND HOLDOWN SIZES. SEE DETAILS 6.7, AND 9/S-210 FOR ADDITIONAL INFORMATION.
5. SEE TYPICAL WOOD OPENING SCHEDULE ON SHEET S-004 FOR TYPICAL HEADER, TRIMMER AND KING STUDS AT ALL 2x6 WALL LOCATIONS (U.N.O.).



FOOTING AND FOUNDATION PLAN

SCALE : 3/32" = 1'-0"

A S-101

CONSTRUCTION DOCUMENTS

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
795 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025

PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

FOOTING AND FOUNDATION PLAN

S-101

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:34:53 AM Autodesk Docs://12504 - LCSD ECC Preschool Addition/S-12911 - LCSD ECC Addition - 2024.rvt

WOOD ROOF FRAMING NOTES :

1. FOR ROOF SHEATHING AND NAILING REQUIREMENTS, SEE STRUCTURAL NOTES SHEET S-001.
2. SHEAR WALLS ARE INDICATED ON SHEET S-101.
3. SEE WOOD FRAMING NOTES ON SHEET S-001 FOR WALL TOP PLATE CONFIGURATION AND SPLICE REQUIREMENTS.
4. SEE PREMANUFACTURED TRUSS NOTES FOR ADDITIONAL INFORMATION.
5. SEE DETAIL 4/S-211 FOR TYPICAL OPENINGS IN ROOF.
6. SEE TYPICAL WOOD OPENING SCHEDULE ON SHEET S-004 FOR TYPICAL HEADER, TRIMMER, AND KING STUDS AT ALL 2x6 WALL OPENINGS, UNLESS NOTED OTHERWISE.
7. SEE DETAIL 2/S-211 FOR TYPICAL ROOF SHEATHING LAYOUT.
8. — — INDICATES CS14 STRAP LOCATIONS (ALIGN OVER 2x FLAT BLOCKING). SEE PLAN.

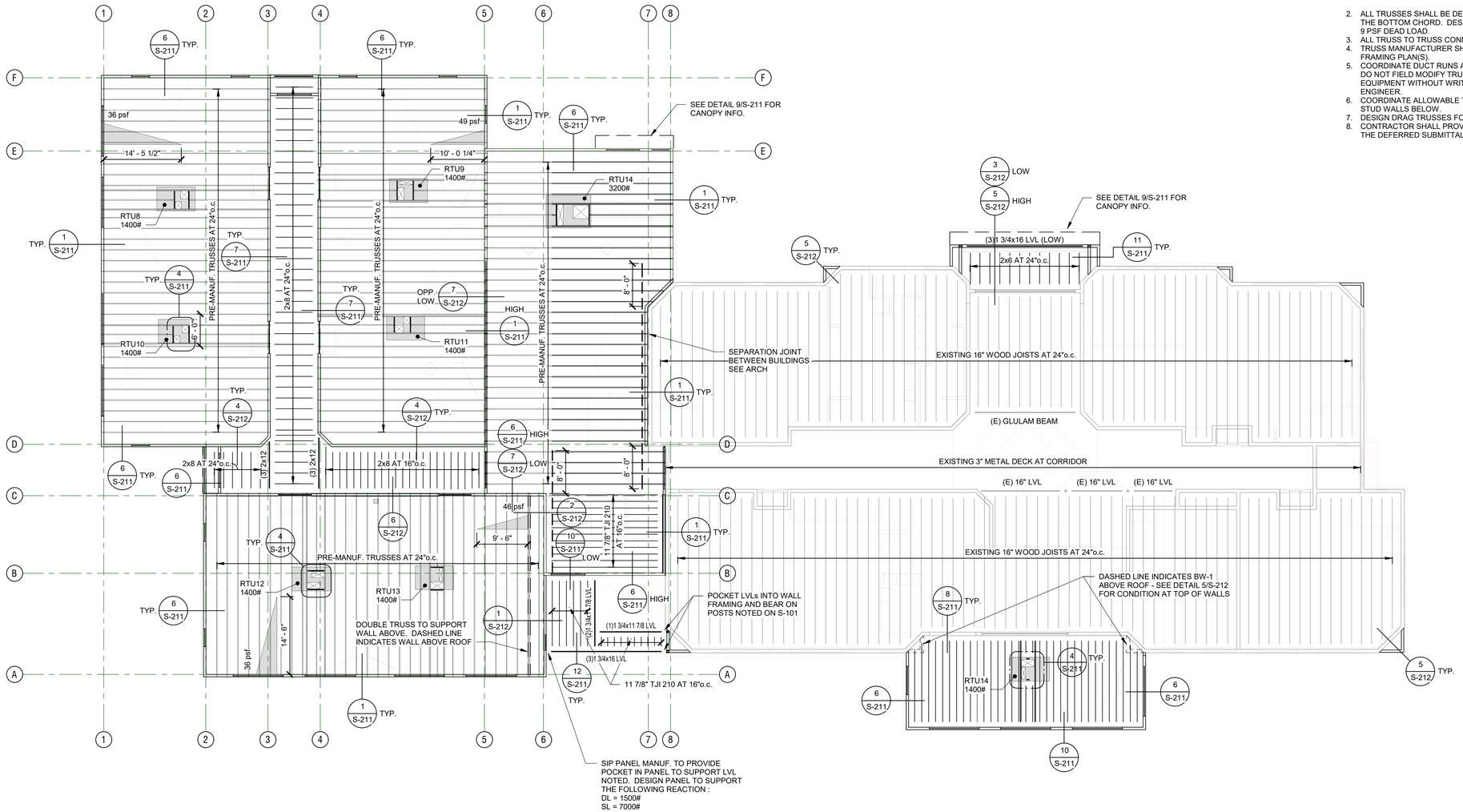
PRE-MANUFACTURED TRUSS NOTES :

1. PRE-MANUFACTURED TRUSSES SHALL BE DESIGNED PER ALL APPLICABLE LOAD COMBINATIONS AND LOAD CONFIGURATIONS AS REQUIRED BY THE GOVERNING CODE AND THE GENERAL STRUCTURAL NOTES :

   THE FOLLOWING CRITERIA SHALL BE USED IN DESIGN.

SNOW LOAD	=	PER GENERAL STRUCTURAL NOTES
LIVE LOAD	=	PER GENERAL STRUCTURAL NOTES
DEAD LOAD	=	***10*** PSF TOP CHORD
		5 PSF BOTTOM CHORD
WIND LOAD	=	PER GENERAL STRUCTURAL NOTES
SNOW DRIFT	=	AS NOTED ON PLANS
TRUSS PROFILE	=	ALL TRUSSES TO HAVE A FLAT BOTTOM CHORD AND SLOPED TOP CHORD TO ACCOMODATE ROOF SLOPES NOTED ON ARCHITECTURAL DRAWINGS. THE MINIMUM TRUSS DEPTH = 24".

2. ALL TRUSSES SHALL BE DESIGNED FOR A 150 POUND POINT LOAD APPLIED AT ANY LOCATION ALONG THE BOTTOM CHORD. DESIGN ALL TRUSSES FOR WIND UPLIFT PER THE GOVERNING CODE WITH A 9 PSF DEAD LOAD.
3. ALL TRUSS TO TRUSS CONNECTIONS PROVIDED BY TRUSS MANUFACTURER.
4. TRUSS MANUFACTURER SHALL COORDINATE AND INCLUDE ALL ADD LOADS AS INDICATED ON THE FRAMING PLAN(S).
5. COORDINATE DUCT RUNS AND TRUSS WEB CONFIGURATIONS WITH MECHANICAL & ARCH. DRAWINGS. DO NOT FIELD MODIFY TRUSSES TO ACCOMMODATE DUCTING AND OTHER MISCELLANEOUS EQUIPMENT WITHOUT WRITTEN DIRECTION FROM THE TRUSS MANUFACTURER OR STRUCTURAL ENGINEER.
6. COORDINATE ALLOWABLE TRUSS DEFLECTIONS WITH ARCHITECT FOR DETAILING OF NON-BEARING STUD WALLS BELOW.
7. DESIGN DRAG TRUSSES FOR ASD LEVEL DRAG LOADS SHOWN ON THE PLANS.
8. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR REVIEW AS REQUIRED BY THE DEFERRED SUBMITTAL SECTION OF THE GENERAL STRUCTURAL NOTES.



ROOF FRAMING PLAN

SCALE : 3/32" = 1'-0"

A S-102

CONSTRUCTION DOCUMENTS

design west | architects
LOGAN UT 84321
SALT LAKE CITY UT 84103
255 SOUTH 300 WEST
795 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	121342
DRAWN BY:	Z. Thorner
CHECKED BY:	J. Blazzard
ISSUED:	05.23.2025

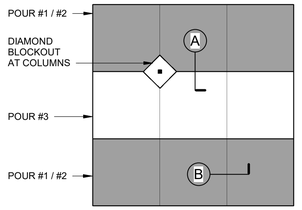
PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

ROOF FRAMING PLAN

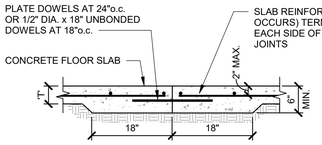
S-102

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:34:48 AM Autodesk Docs://125004 - LCSD ECC Preschool Addition/S-25911 - LCSD ECC Addition - 2024.rvt



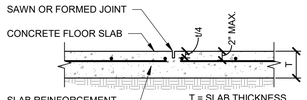
NOTES:
1. JOINTS SHALL OCCUR AT MAIN COLUMN / GRID LINES W/ 10'-0" MAX. SPACING BETWEEN JOINTS AT 4" SLABS; 12'-0" MAX. AT 5" SLABS, AND 15'-0" MAX. AT 6" SLABS.
2. SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.



NOTE: THICKENING OF SLAB NOT REQUIRED FOR SLABS WITH T = 6" OR GREATER

T = SLAB THICKNESS

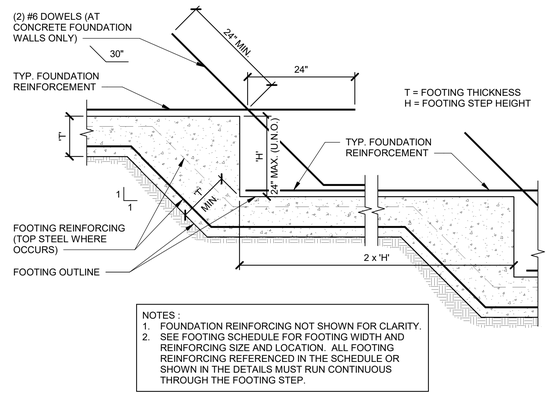
CONSTRUCTION JOINT
SCALE : NONE
A



T = SLAB THICKNESS

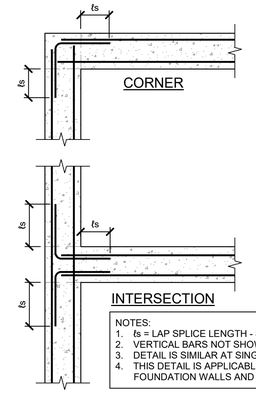
CONTROL JOINT
SCALE : NONE
B

TYPICAL CONCRETE SLAB JOINTS
SCALE : NONE
1 S-201



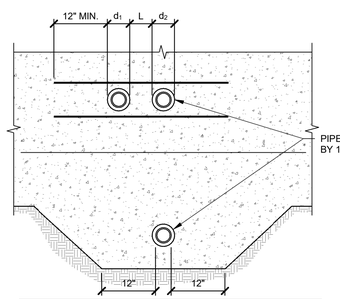
NOTES :
1. FOUNDATION REINFORCING NOT SHOWN FOR CLARITY.
2. SEE FOOTING SCHEDULE FOR FOOTING WIDTH AND REINFORCING SIZE AND LOCATION. ALL FOOTING REINFORCING REFERENCED IN THE SCHEDULE OR SHOWN IN THE DETAILS MUST RUN CONTINUOUS THROUGH THE FOOTING STEP.

TYPICAL STEPPED FOOTING
SCALE : NONE
2 S-201



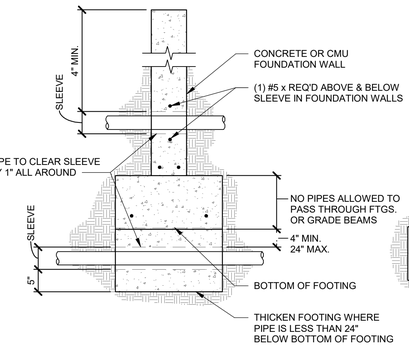
NOTES:
1. *ts* = LAP SPLICE LENGTH - SEE REBAR LAP SCHEDULE.
2. VERTICAL BARS NOT SHOWN.
3. DETAIL IS SIMILAR AT SINGLE CURTAIN OF REINFORCING.
4. THIS DETAIL IS APPLICABLE AT ALL FOOTINGS, FOUNDATION WALLS AND MASONRY WALLS.

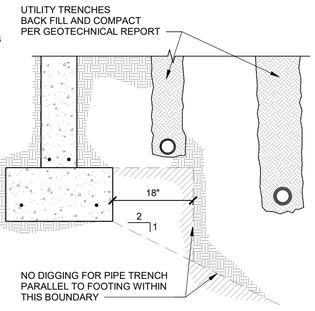
TYPICAL HORIZONTAL REINFORCING DETAIL
SCALE : NONE
3 S-201



NOTES :
1. TYP. FOUNDATION WALL REINFORCING NOT SHOWN FOR CLARITY.
2. FOR OPENINGS LARGER THAN 12" IN ANY DIRECTION. SEE STRUCTURAL NOTE E-7.
3. DETAIL IS SIMILAR AT MASONRY FOUNDATION WALLS.
4. DISTANCE 'L' SHALL BE THE GREATER OF $(d_1 + d_2)/2$ OR 4".

PIPE CROSSING FOOTING / FOUNDATION WALL



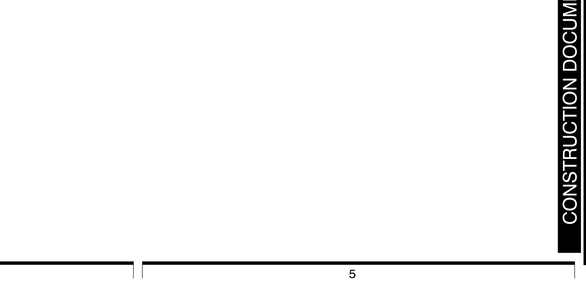


PIPE PARALLEL TO FOOTING

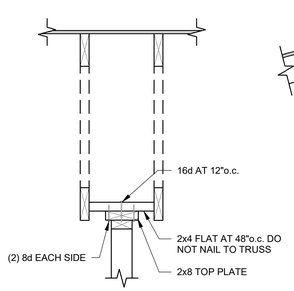
ALLOWABLE PIPING LOCATIONS @ FOOTING DETAIL
SCALE : NONE
4 S-201



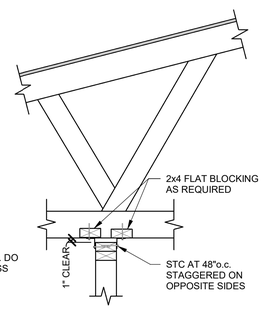
TYP. FOOTING & FOUNDATION INTO EXISTING FOOTING & FOUNDATION
SCALE : NONE
5 S-201



DETAIL
SCALE : NONE
6 S-201



WALL PARALLEL TO TRUSSES



WALL PERPENDICULAR TO TRUSSES

TYP. NON-BEARING WALL
SCALE : NONE
7 S-201

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
795 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT
LOGAN CITY SCHOOL DISTRICT

DESCRIPTION:
DATE:
MARK:

PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025

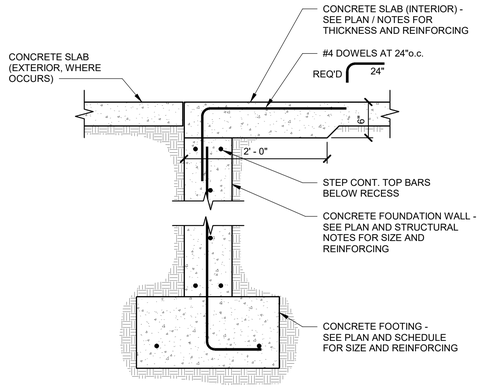
PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

CONSTRUCTION DOCUMENTS

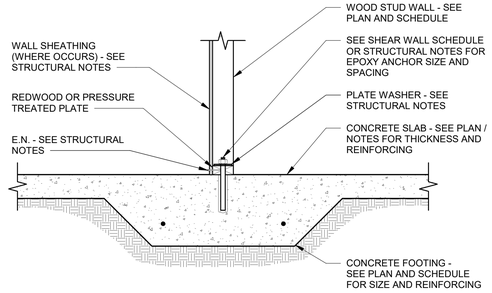
TYPICAL DETAILS
S-201

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

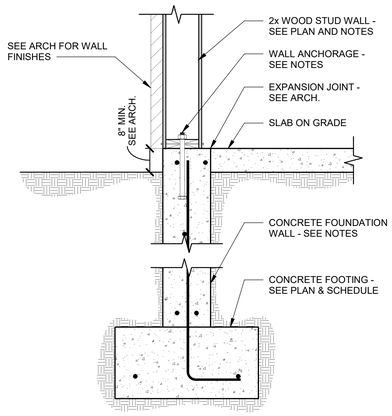
5/23/2025 11:34:47 AM Autodesk Docs://325964 - LCSD ECC Preschool Addition/S-25911 - LCSD ECC Addition - 2024.rvt



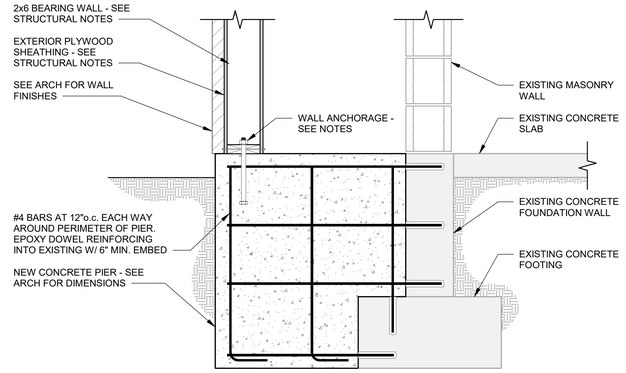
DETAIL 1 S-210
SCALE : NONE



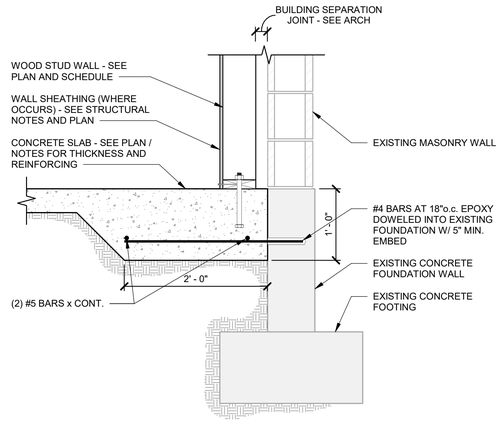
DETAIL 2 S-210
SCALE : NONE



DETAIL 3 S-210
SCALE : NONE



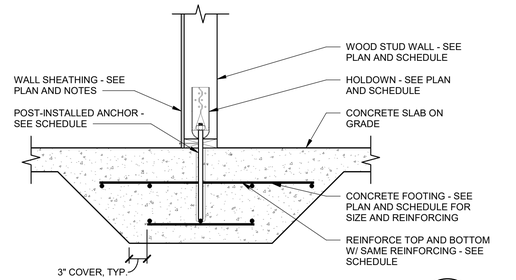
DETAIL 4 S-210
SCALE : NONE



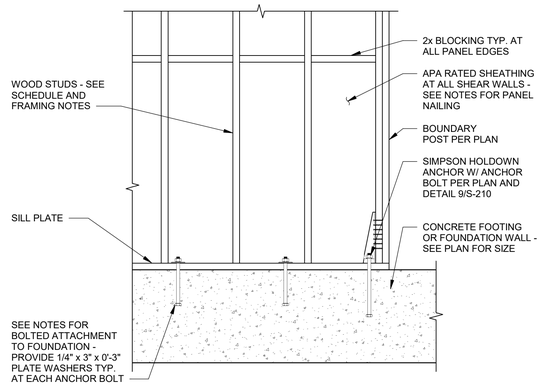
DETAIL 5 S-210
SCALE : NONE

INTERIOR HOLDOWN ANCHOR SCHEDULE		
HOLDOWN SIZE	ANCHOR	EMBEDMENT 'fe'
HDU2	5/8" EPOXY ANCHOR	6"
HDU8	7/8" EPOXY ANCHOR	10"

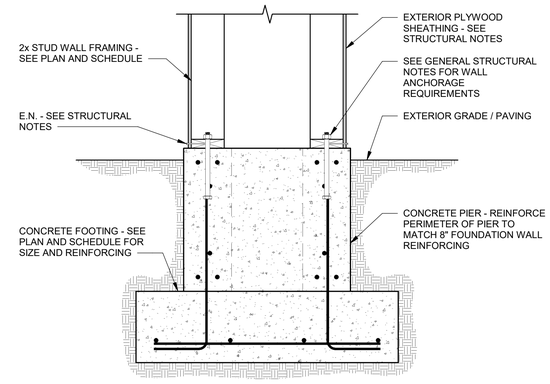
NOTES:
1. EITHER HILTI HIT-HY 200 OR SIMPSON SET-3G EPOXY SHALL BE USED.
2. THREADED ROD SHALL BE GR. 36.



TYP. INTERIOR HOLDOWN FOOTING 6 S-210 L
SCALE : NONE

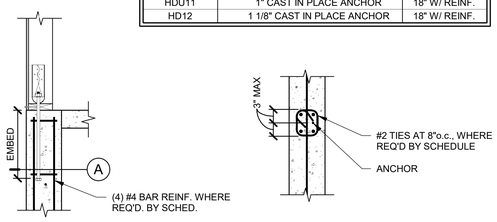


TYP. HOLD DOWN DETAIL 7 S-210
SCALE : NONE



DETAIL 8 S-210
SCALE : NONE

FOUNDATION WALL HOLDOWN ANCHORAGE SCHEDULE		
HOLDOWN SIZE	ANCHOR	EMBED.
HDU2	5/8" CAST IN PLACE ANCHOR	12"
HDU4	5/8" CAST IN PLACE ANCHOR	18"
HDU5	5/8" CAST IN PLACE ANCHOR	18"
HDU8	7/8" CAST IN PLACE ANCHOR	18" W/ REINF.
HDU11	1" CAST IN PLACE ANCHOR	18" W/ REINF.
HD12	1 1/8" CAST IN PLACE ANCHOR	18" W/ REINF.



SECTION A

NOTE:
1. AT INTERIOR HOLDOWNS ON THICKENED SLAB FOOTINGS, SEE DETAIL 6/S-210.

HOLDOWN EMBED SCHEDULE AT FOUNDATION WALL 9 S-210
SCALE : NONE

CONSTRUCTION DOCUMENTS

design west | architects
LOGAN UT 84321
SALT LAKE CITY UT 84103
255 SOUTH 300 WEST
795 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:
AD1	04.25.22	ADDENDUM #1

PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025

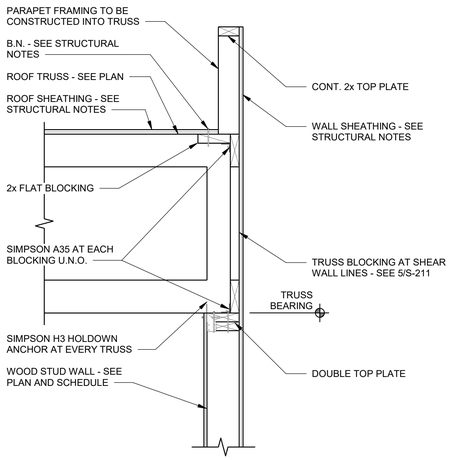
PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

FOOTING AND FOUNDATION DETAILS

S-210

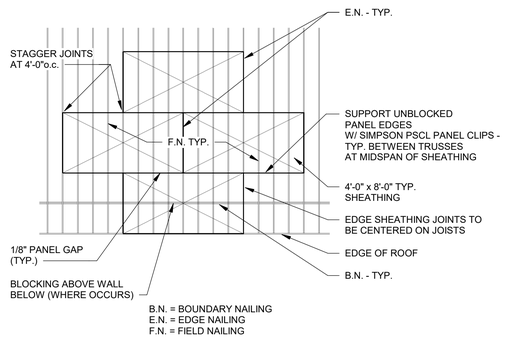
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:34:48 AM Autodesk Docs://12004 - LCSD ECC Preschool Addition/S-23911 - LCSD ECC Addition - 2024.rvt



DETAIL 1/S-211

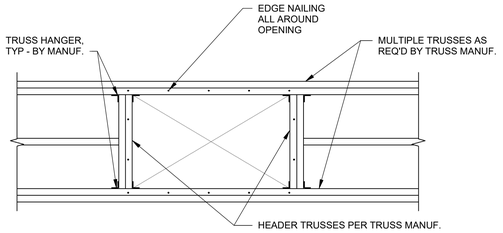
SCALE : NONE



AT ROOF

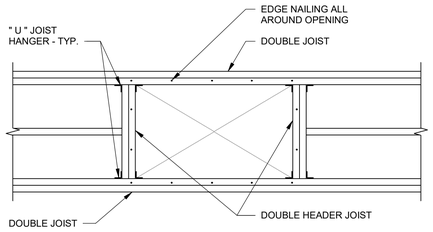
TYP. SHEATHING LAYOUT (UNBLOCKED DIAPHRAGM) 2/S-211

SCALE : NONE



NOTE:
TRUSS MANUFACTURER TO ACCOUNT FOR TYPICAL ROOF LOADS AND RTU'S IN ADDITION.

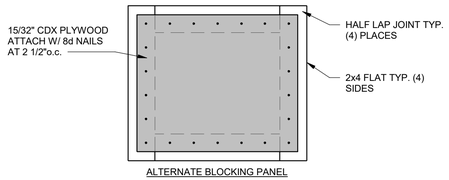
CONDITION AT PRE-MANUFACTURED TRUSSES



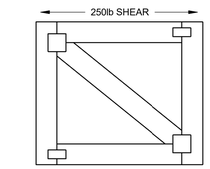
CONDITION AT 2x OR TJI FRAMING

DETAIL 4/S-211

SCALE : NONE



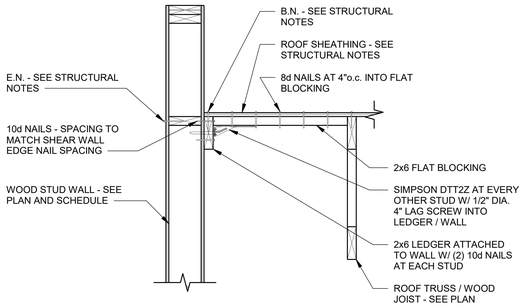
ALTERNATE BLOCKING PANEL



PREMANUFACTURED TRUSS BLOCKING PANEL

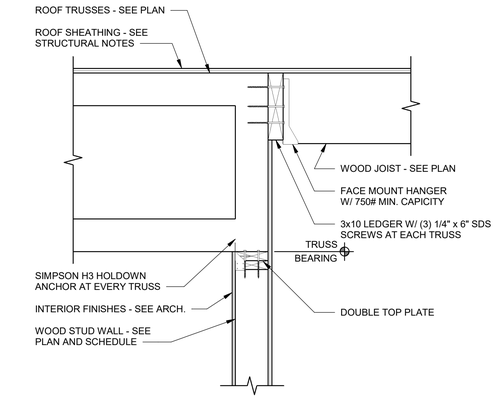
TRUSS BLOCKING PANELS 5/S-211

SCALE : NONE



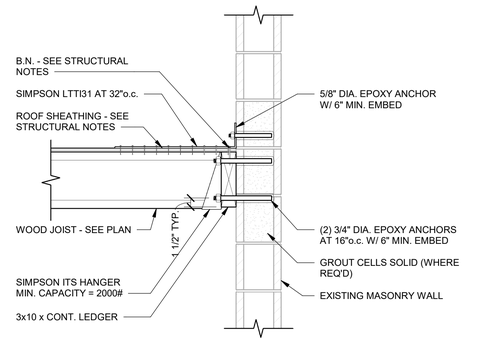
DETAIL 6/S-211

SCALE : NONE



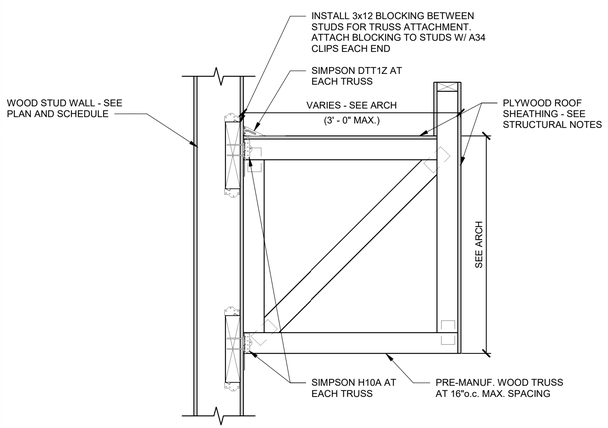
DETAIL 7/S-211

SCALE : NONE



DETAIL 8/S-211

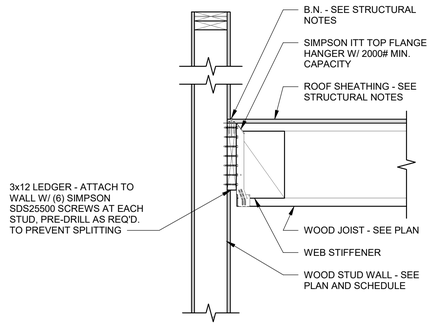
SCALE : NONE



CONDITION AT SIPS

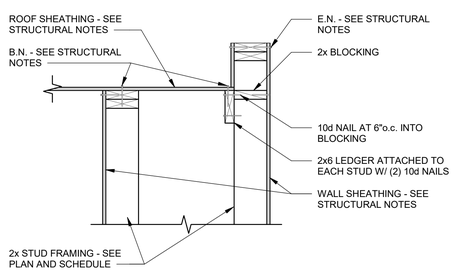
DETAIL 9/S-211

SCALE : NONE



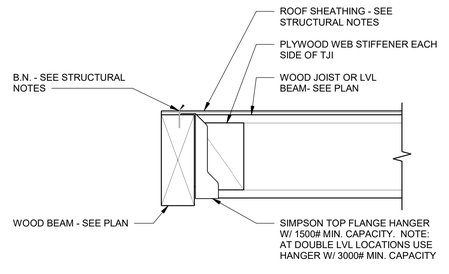
DETAIL 10/S-211

SCALE : NONE



DETAIL 11/S-211

SCALE : NONE



TJI PERPENDICULAR TO BEAM 12/S-211

SCALE : NONE

design west | architects
LOGAN UT 84321
SALT LAKE CITY UT 84103
255 SOUTH 300 WEST
795 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT

LOGAN CITY SCHOOL DISTRICT

CONSTRUCTION DOCUMENTS

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025

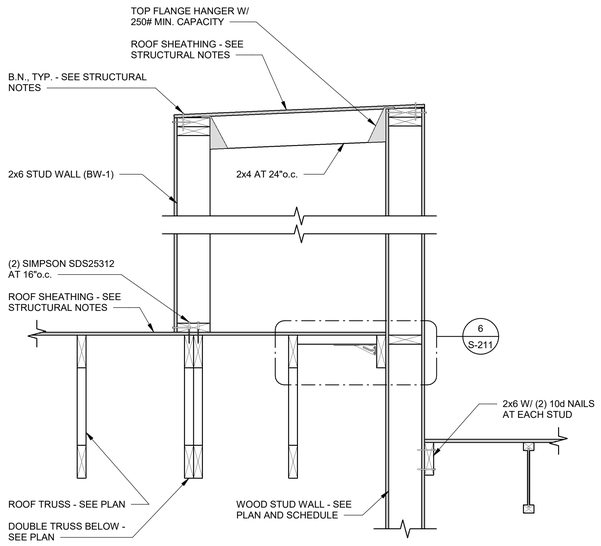
PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

ROOF FRAMING DETAILS

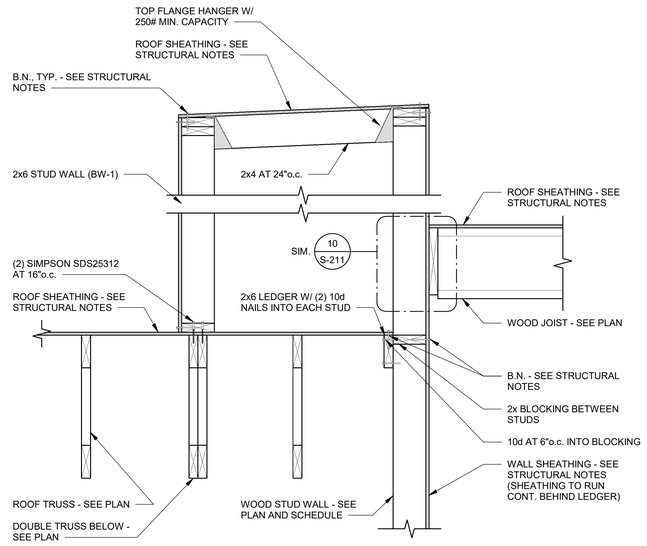
S-211

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

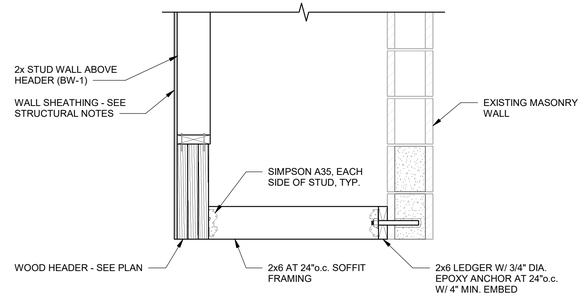
5/23/2025 11:34:49 AM Autodesk Docs://12504-LCSD ECC Preschool Addition/S-25911 - LCSD ECC Addition - 2024.rvt



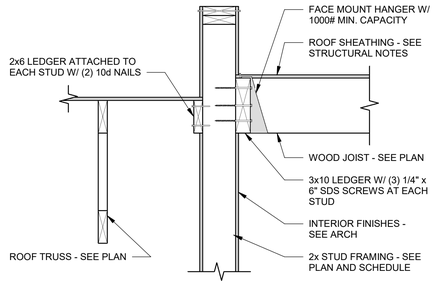
DETAIL
SCALE : NONE
1
S-212



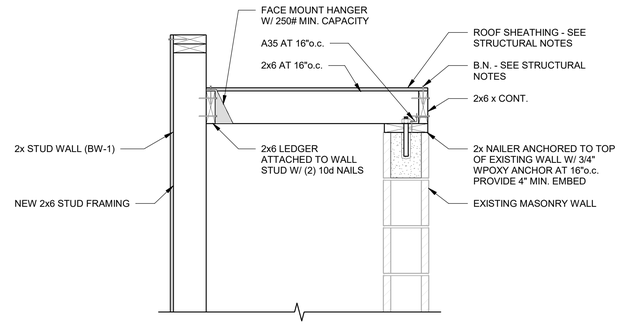
DETAIL
SCALE : NONE
2
S-212



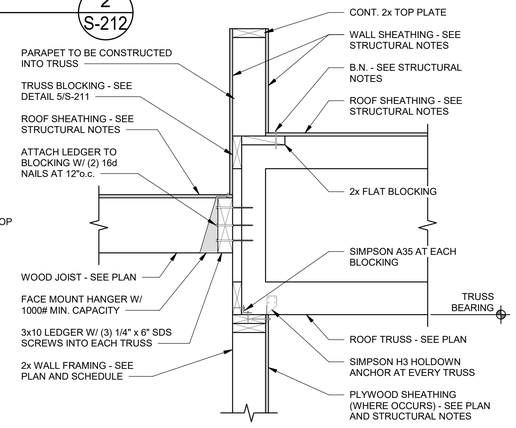
DETAIL
SCALE : NONE
3
S-212



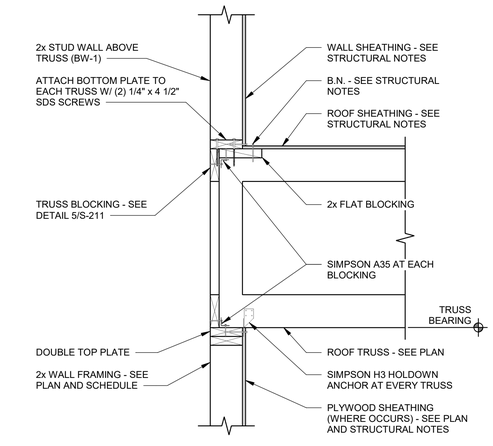
DETAIL
SCALE : NONE
4
S-212



DETAIL
SCALE : NONE
5
S-212



DETAIL
SCALE : NONE
6
S-212



DETAIL
SCALE : NONE
7
S-212

CONSTRUCTION DOCUMENTS

design west | architects
LOGAN UT 84321
255 SOUTH 300 WEST
SALT LAKE CITY UT 84103
795 NORTH 400 WEST

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.23.2025

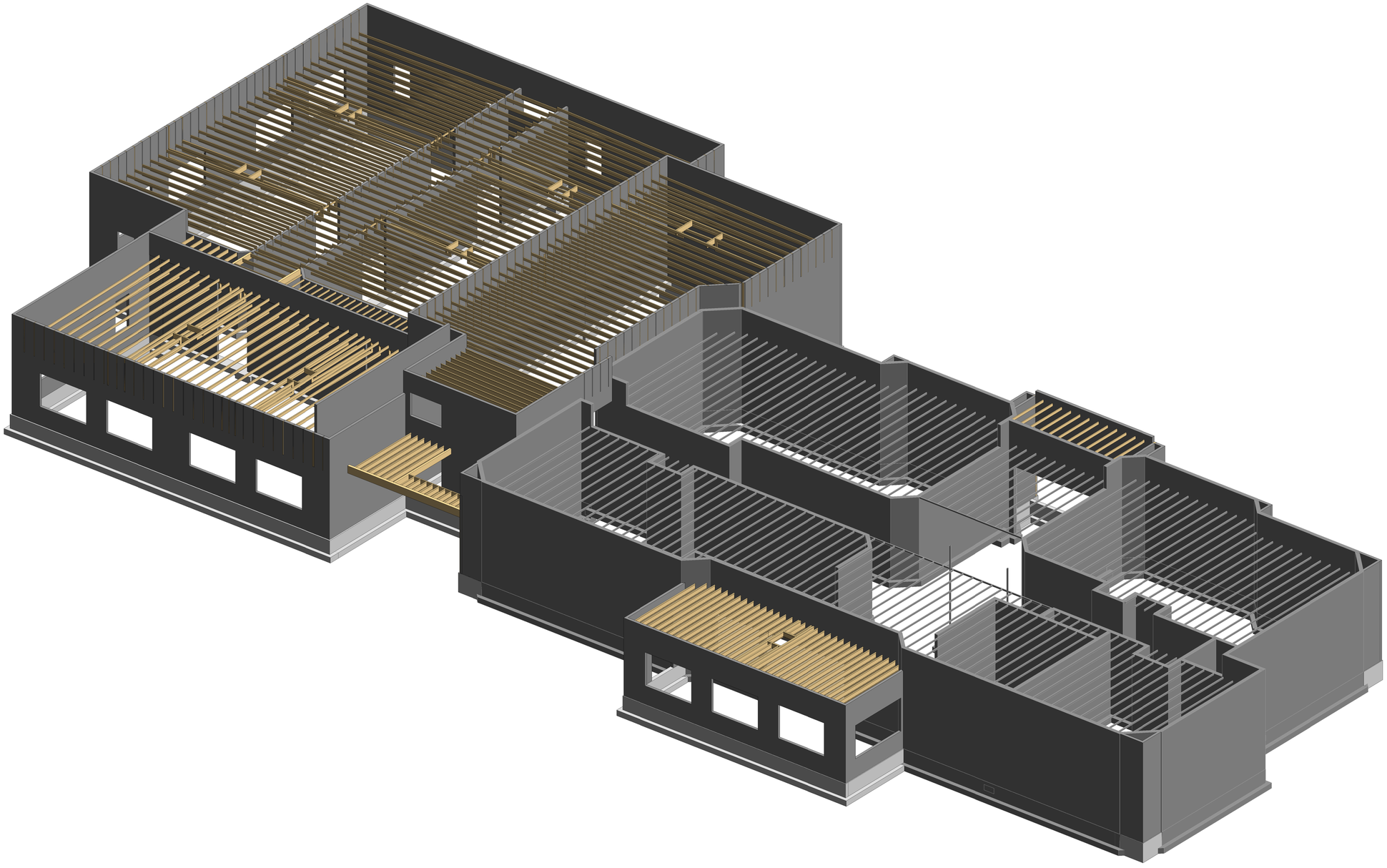
PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Bazzard
No. 5251609
5/23/25
STATE OF UTAH

ROOF FRAMING PLAN

S-212

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:34:09 AM Autodesk Docs://122564 - LCSD ECC Preschool Addition/5-25811 - LCSD ECC Addition - 2024.rvt



Schematic View
SCALE : NONE

A
S-401

NOTE: THIS VIEW REPRESENTS A SCHEMATIC RENDERING ONLY AND IS NOT INTENDED TO CONVEY CONSTRUCTION INFORMATION. ALL CONSTRUCTION SHALL COMPLY WITH SPECIFIC NOTES AND DETAILS WITHIN THE STRUCTURAL DRAWINGS.

CONSTRUCTION DOCUMENTS

design west | architects
255 SOUTH 300 WEST LOGAN UT 84321
795 NORTH 400 WEST SALT LAKE CITY UT 84103

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

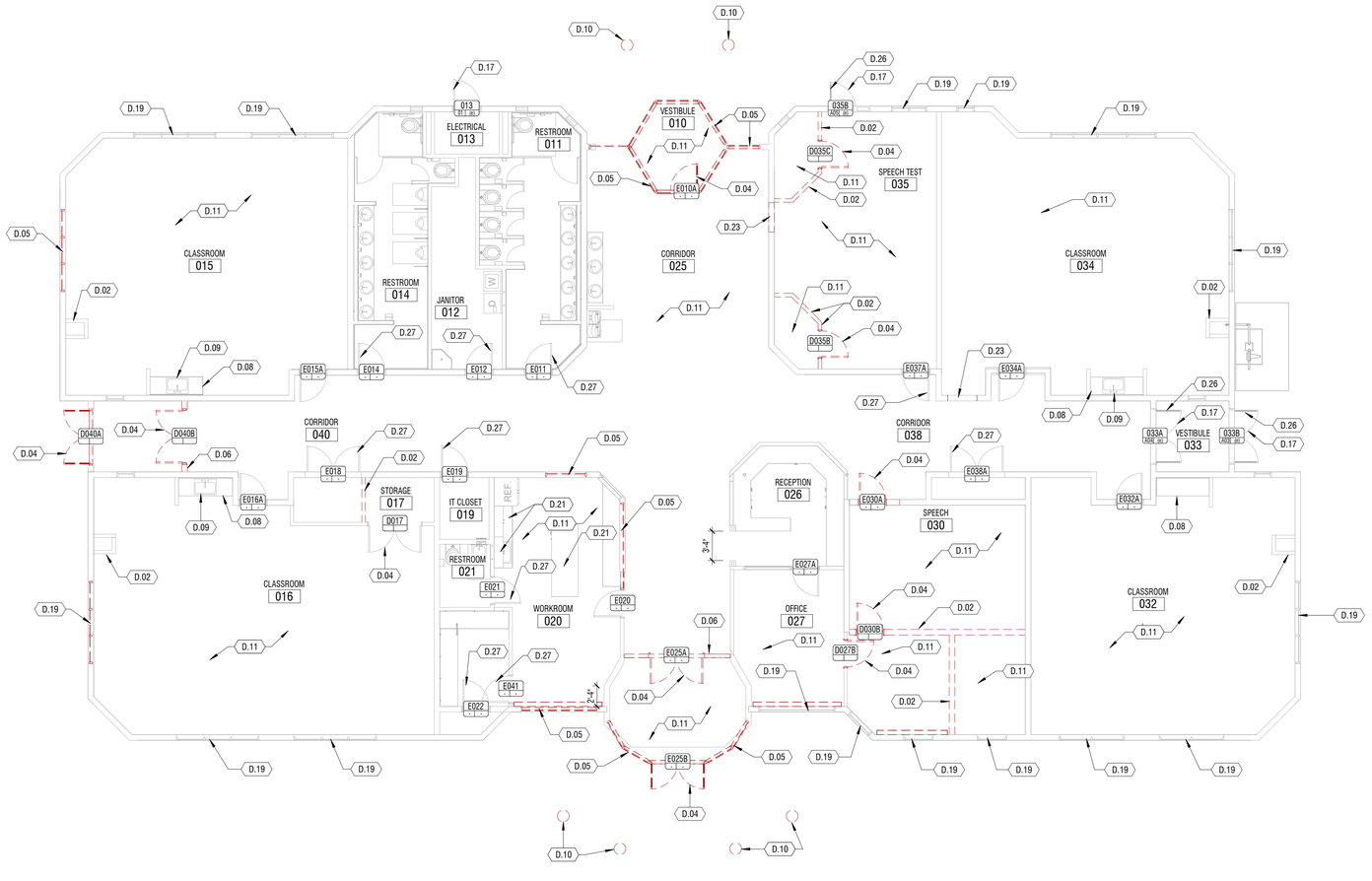
PROJECT #: 121342
DRAWN BY: Z. Thorner
CHECKED BY: J. Blazzard
ISSUED: 05.23.2025

PROFESSIONAL STRUCTURAL ENGINEER
Joshua L. Blazzard
No. 5251609
5/23/25
STATE OF UTAH

SCHEMATIC REFERENCE
S-401

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:34:50 AM Autodesk Docs://372954 - LCSD ECC Preschool Addition/S-25911 - LCSD ECC Addition - 2024.rvt



A1 DEMOLITION PLAN

1/8" = 1'-0" EXISTING

NORTH

GENERAL NOTES

- LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

  ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

  ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
- KEYNOTES (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

  ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN DRAWING SHEET, GAPS IN THE SEQUENCING MAY OCCUR.
- CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS.
- ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM GRID/FACE OF FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH ARE CONSIDERED "CRITICAL" AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- PROTECT EXPOSED WALLS, CEILINGS, FLOORS AND OTHER EXISTING FINISH WORK TO REMAIN DURING SELECTIVE DEMOLITION OPERATIONS.
- PATCH AND REPAIR WALLS, CEILINGS, AND FLOORS WHERE DAMAGED DURING DEMOLITION; WHETHER EXISTING OR NEW CONSTRUCTION AND/OR REPLACE WITH NEW AS REQUIRED TO MATCH EXISTING. CLEAN AND PREPARE TO RECEIVE NEW FINISH. PROVIDE PAINT/FINISH TOUCHUP AT ALL DEMO LOCATIONS.
- PROVIDE DUST BARRIERS TO PROTECT ADJACENT AREAS FROM DUST AND DEBRIS DURING SELECTIVE DEMOLITION OPERATIONS.
- COLLECT AND TRANSPORT DEMOLISHED MATERIALS AND DEBRIS FROM OWNER'S PROPERTY AND LEGALLY DISPOSE.
- FIELD VERIFY EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK. COORDINATE DISCREPANCIES WITH ARCHITECT.
- CLEAN ADJACENT IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS.
- RETURN EXISTING ADJACENT AREAS TO THE PRIOR CONDITION OR BETTER FOLLOWING SELECTIVE DEMOLITION OPERATIONS.
- REVIEW MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE DISCREPANCIES WITH ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- INCIDENTAL ITEMS REQUIRING REMOVAL OR MODIFICATION MAY NOT BE SPECIFICALLY CALLED OUT. REMOVAL OF ALL ITEMS NECESSARY TO COMPLETE THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ASBESTOS TESTING AND REMOVAL IS TO BE PERFORMED OR COORDINATED BY THE OWNER. ASBESTOS CONTAINING MATERIAL (ACM) AND/OR LEAD-BASED PAINT (LBP) REMOVAL SHALL BE COORDINATED WITH THE AUTHORITY HAVING JURISDICTION. REMOVAL SHALL BE PERFORMED BY QUALIFIED ACM AND LBP CONTRACTORS, PER DIVISION OF AIR QUALITY RULE R307-801-9: THE ASBESTOS PROJECT OPERATOR SHALL ENSURE THAT THE STRUCTURE OR FACILITY TO BE DEMOLISHED OR RENOVATED IS INSPECTED FOR ACM BY AN INSPECTOR CERTIFIED UNDER THE PROVISIONS OF R307-801-6. AN ASBESTOS SURVEY REPORT SHALL BE GENERATED ACCORDING TO THE PROVISIONS OF R307-801-10. THE ASBESTOS PROJECT OPERATOR SHALL MAKE THE ASBESTOS SURVEY REPORT AVAILABLE ON SITE TO ALL PERSONS WHO HAVE ACCESS TO THE SITE FOR THE DURATION OF THE DEMOLITION AND/OR RENOVATION ACTIVITIES.
- ALL SUSPECT ASBESTOS CONTAINING MATERIALS OR LEAD BASED PAINT NOT IDENTIFIED MUST BE SAMPLED TO DETERMINE CONTENT. IF MATERIALS ARE ENCOUNTERED WHICH HAVE NOT BEEN PREVIOUSLY IDENTIFIED/SAMPLED, STOP WORK AND CONTACT THE AUTHORITY HAVING JURISDICTION.
- DEMO EXISTING FLOOR COVERINGS TO THE EXTENTS SHOWN. PREPARE SUBSTRATE BY SURFACE GRINDING TO REMOVE ADHESIVES AND OTHER VARIANCES IN THE EXISTING FLOOR. PREPARE FLOOR FOR A LEVELING COMPOUND. PREPARE FLOOR TO RECEIVE NEW FLOORING AS PER PROPOSED FLOORING REQUIREMENTS.
- ALL OWNER EQUIPMENT THAT CONNECTS TO DATA TO BE REMOVED BY OWNER.
- OWNER TO REMOVE ANY ITEMS TO BE SALVAGED PRIOR TO DEMOLITION.
- SEE FLOOR PLAN FOR NEW LAYOUTS AND DIMENSIONS.
- WALLS, DOORS, CASEWORK, WINDOWS, CEILINGS, ETC. SHOWN DASHED ARE TO BE REMOVED.
- SEE MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS FOR PLUMBING DEMOLITION PLANS AND SCOPE. REFER TO SHEET INDEX FOR REFLECTED CEILING DEMOLITION PLAN.
- PATCH AND REPAIR FLOORING AS REQUIRED NEAR DEMOLITION AREAS - MATCH EXISTING FLOORING

KEYNOTES

(#)

MARK	DESCRIPTION
D.02	REMOVE STUD WALL AND FINISH
D.04	REMOVE DOOR AND FRAME
D.05	REMOVE ALUMINUM STOREFRONT FRAME AND GLAZING
D.06	REMOVE MASONRY WALL
D.08	REMOVE CASEWORK
D.09	REMOVE PLUMBING FIXTURE
D.10	REMOVE CANOPY COLUMN SUPPORTS
D.11	REMOVE FLOOR FINISH
D.17	EXISTING DOOR TO REMAIN, PROTECT DURING CONSTRUCTION, DOOR AND FRAME TO BE PAINTED
D.19	PREPARE EXISTING WINDOW FRAME TO BE PAINTED
D.21	EXISTING MILLWORK TO REMAIN, REMOVE COUNTERTOP AND PERPARE TO RECIEVE NEW COUNTERTOP
D.23	REMOVE EXISTING MASONRY WALL FOR NEW DOOR AND FRAME
D.26	EXISTING GLAZING TO BE REPLACED
D.27	EXISTING DOOR TO REMAIN, PROTECT DURING CONSTRUCTION, FRAME TO BE PAINTED

LEGEND

EXISTING TO REMAIN

TO BE DEMOLISHED

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

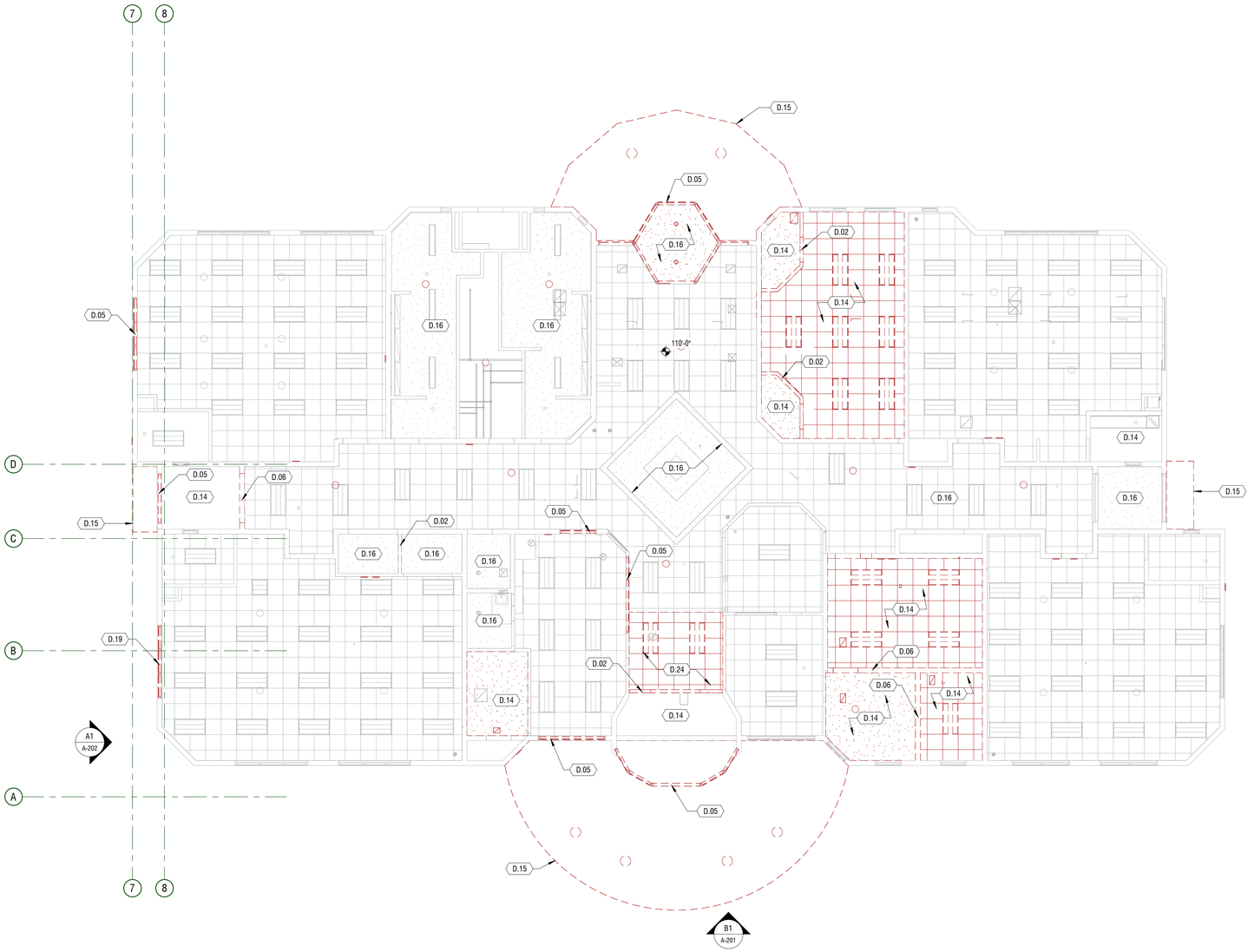
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

PLAN - DEMOLITION

AD-101

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:13 PM Autodesk Docs://25054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21.rvt



A2 REFLECTED CEILING PLAN - DEMOLITION

1/8" = 1'-0" EXISTING

GENERAL NOTES

- LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

  ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

  ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
- KEYNOTES: (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

  ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN DRAWING SHEET, GAPS IN THE SEQUENCING MAY OCCUR.
- CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS.
- ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM GRID/FACE OF FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH ARE CONSIDERED "CRITICAL" AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- PROTECT EXPOSED WALLS, CEILINGS, FLOORS AND OTHER EXISTING FINISH WORK TO REMAIN DURING SELECTIVE DEMOLITION OPERATIONS.
- PATCH AND REPAIR WALLS, CEILINGS, AND FLOORS WHERE DAMAGED DURING DEMOLITION; WHETHER EXISTING OR NEW CONSTRUCTION AND/OR REPLACE WITH NEW AS REQUIRED TO MATCH EXISTING. CLEAN AND PREPARE TO RECEIVE NEW FINISH. PROVIDE PAINT/FINISH TOUCHUP AT ALL DEMO LOCATIONS.
- PROVIDE DUST BARRIERS TO PROTECT ADJACENT AREAS FROM DUST AND DEBRIS DURING SELECTIVE DEMOLITION OPERATIONS.
- COLLECT AND TRANSPORT DEMOLISHED MATERIALS AND DEBRIS FROM OWNER'S PROPERTY AND LEGALLY DISPOSE.
- FIELD VERIFY EXISTING CONDITIONS AND THEIR COMPATIBILITY WITH NEW CONSTRUCTION PRIOR TO THE COMMENCEMENT OF WORK. COORDINATE DISCREPANCIES WITH ARCHITECT.
- CLEAN ADJACENT IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS.
- RETURN EXISTING ADJACENT AREAS TO THE PRIOR CONDITION OR BETTER FOLLOWING SELECTIVE DEMOLITION OPERATIONS.
- REVIEW MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE DISCREPANCIES WITH ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- INCIDENTAL ITEMS REQUIRING REMOVAL OR MODIFICATION MAY NOT BE SPECIFICALLY CALLED OUT. REMOVAL OF ALL ITEMS NECESSARY TO COMPLETE THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ASBESTOS TESTING AND REMOVAL IS TO BE PERFORMED OR COORDINATED BY THE OWNER. ASBESTOS CONTAINING MATERIAL (ACM) AND/OR LEAD-BASED PAINT (LBP) REMOVAL SHALL BE COORDINATED WITH THE AUTHORITY HAVING JURISDICTION. REMOVAL SHALL BE PERFORMED BY QUALIFIED ACM AND LBP CONTRACTORS, PER DIVISION OF AIR QUALITY RULE R307-801-9. THE ASBESTOS PROJECT OPERATOR SHALL ENSURE THAT THE STRUCTURE OR FACILITY TO BE DEMOLISHED OR RENOVATED IS INSPECTED FOR ACM BY AN INSPECTOR CERTIFIED UNDER THE PROVISIONS OF R307-801-6. AN ASBESTOS SURVEY REPORT SHALL BE GENERATED ACCORDING TO THE PROVISIONS OF R307-801-10. THE ASBESTOS PROJECT OPERATOR SHALL MAKE THE ASBESTOS SURVEY REPORT AVAILABLE ON SITE TO ALL PERSONS WHO HAVE ACCESS TO THE SITE FOR THE DURATION OF THE DEMOLITION AND/OR RENOVATION ACTIVITIES.
- ALL SUSPECT ASBESTOS CONTAINING MATERIALS OR LEAD BASED PAINT NOT IDENTIFIED MUST BE SAMPLED TO DETERMINE CONTENT. IF MATERIALS ARE ENCOUNTERED WHICH HAVE NOT BEEN PREVIOUSLY IDENTIFIED/SAMPLED, STOP WORK AND CONTACT THE AUTHORITY HAVING JURISDICTION.
- DEMO EXISTING FLOOR COVERINGS TO THE EXTENTS SHOWN. PREPARE SUBSTRATE BY SURFACE GRINDING TO REMOVE ADHESIVES AND OTHER VARIANCES IN THE EXISTING FLOOR. PREPARE FLOOR FOR A LEVELING COMPOUND. PREPARE FLOOR TO RECEIVE NEW FLOORING AS PER PROPOSED FLOORING REQUIREMENTS.
- ALL OWNER EQUIPMENT THAT CONNECTS TO DATA TO BE REMOVED BY OWNER.
- OWNER TO REMOVE ANY ITEMS TO BE SALVAGED PRIOR TO DEMOLITION.
- SEE FLOOR PLAN FOR NEW LAYOUTS AND DIMENSIONS.
- WALLS, DOORS, CASEWORK, WINDOWS, CEILINGS, ETC. SHOWN DASHED ARE TO BE REMOVED.
- SEE MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS FOR PLUMBING DEMOLITION PLANS AND SCOPE. REFER TO SHEET INDEX FOR REFLECTED CEILING DEMOLITION PLAN.
- PATCH AND REPAIR FLOORING AS REQUIRED NEAR DEMOLITION AREAS - MATCH EXISTING FLOORING

KEYNOTES

(#)

MARK	DESCRIPTION
D.02	REMOVE STUD WALL AND FINISH
D.05	REMOVE ALUMINUM STOREFRONT FRAME AND GLAZING
D.06	REMOVE MASONRY WALL
D.14	REMOVE CEILING, LIGHT FIXTURES AND REGISTERS
D.15	EXISTING EXTERIOR CANOPY TO REMAIN REVISE PER, B2/A-562
D.16	EXISTING CEILING TO REMAIN, PROTECT DURING CONSTRUCTION
D.19	PREPARE EXISTING WINDOW FRAME TO BE PAINTED
D.24	EXISTING CEILING TO BE REMOVED

LEGEND

EXISTING TO REMAIN

TO BE DEMOLISHED

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

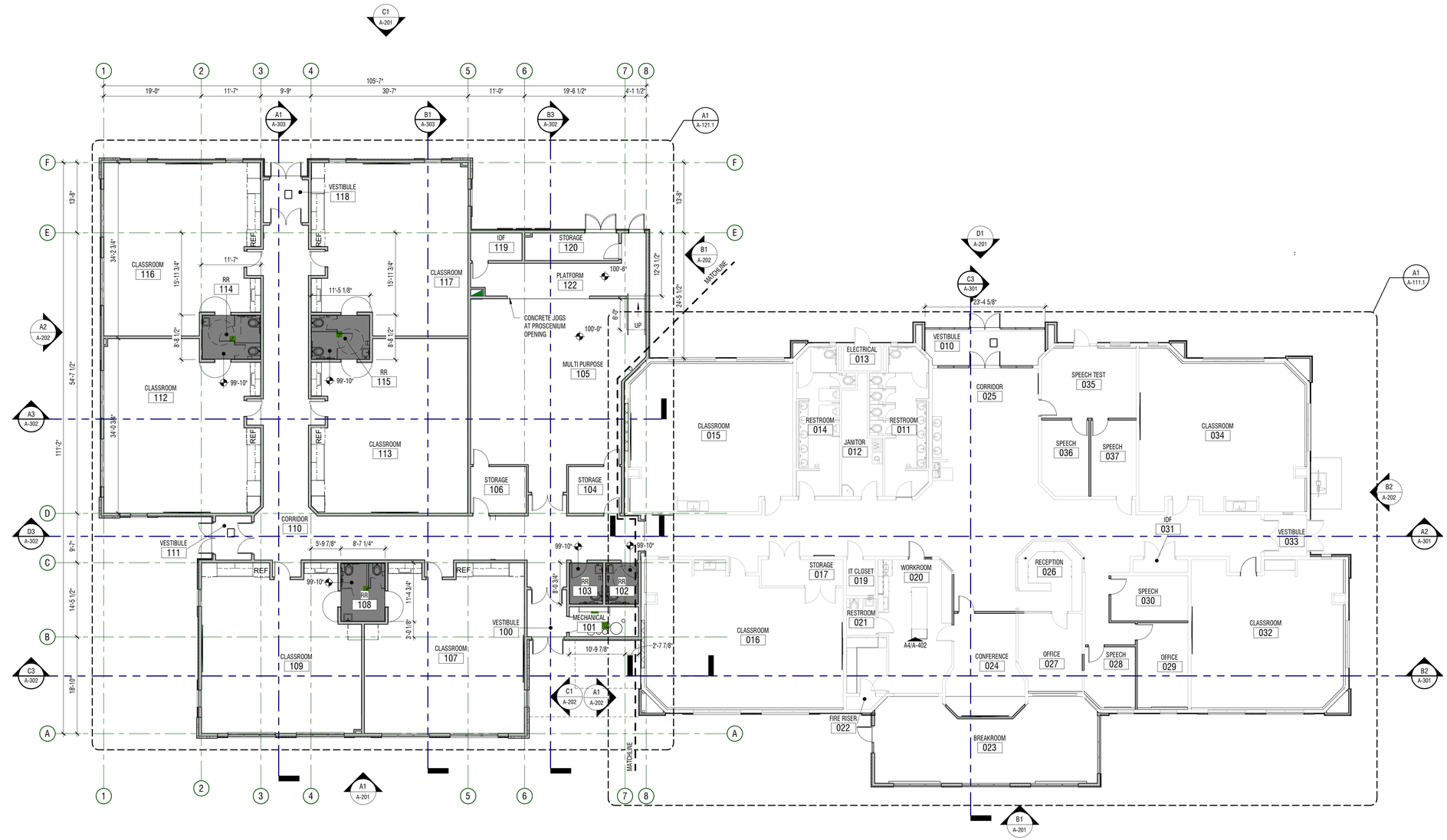
REFLECTED CEILING PLAN - DEMOLITION

AD-131

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

LEGEND

RECESSED SLAB



A1 OVERALL FLOOR/SLAB PLAN

3/32" = 1'-0"

NORTH

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

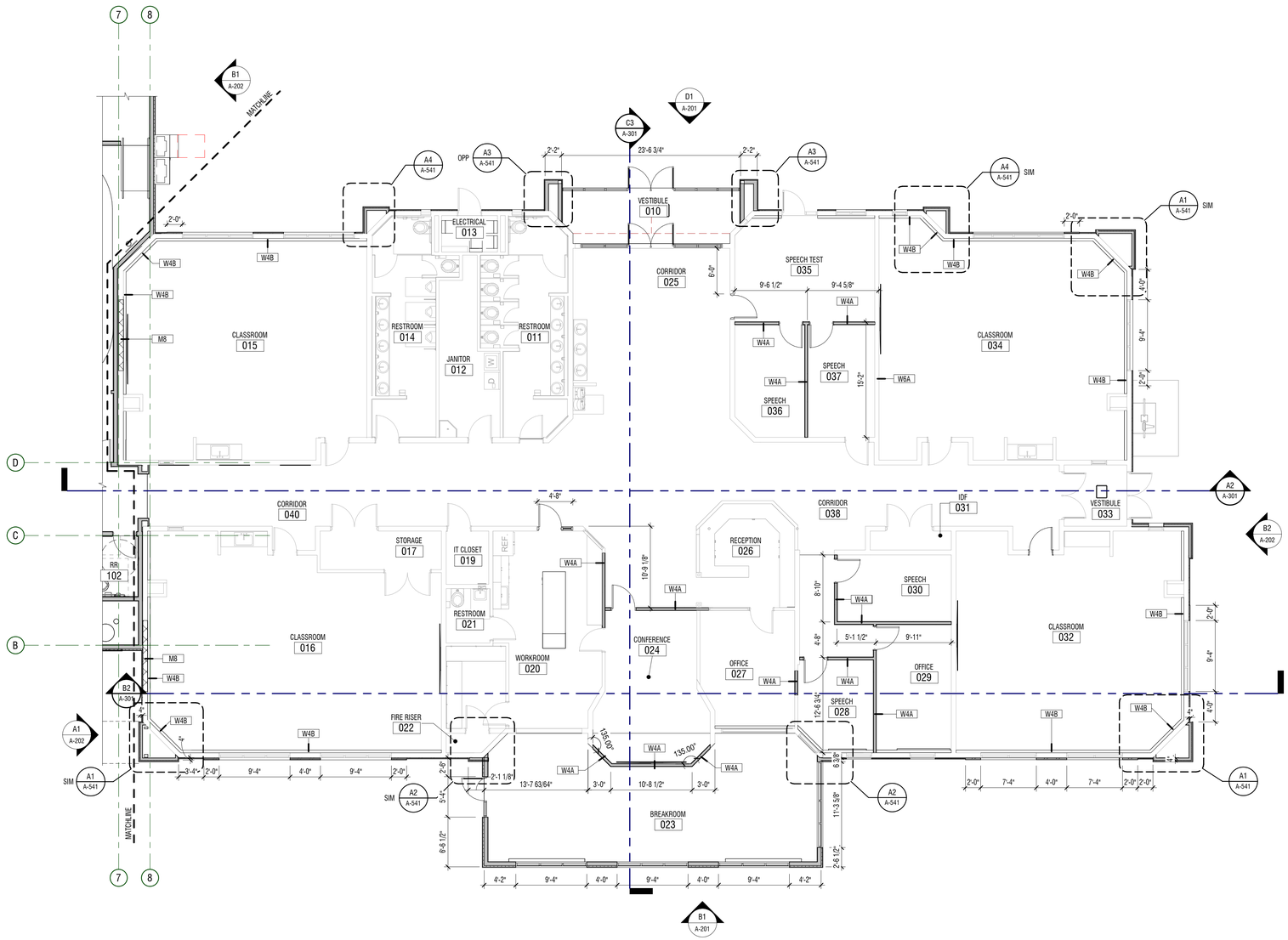
PROJECT #:	125054
DRAWN BY:	RIGBY
CHECKED BY:	WILLIAMS
ISSUED:	05.29.2025

OVERALL FLOOR PLAN

A-100

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:56:18 PM Autodesk Docs://125054 - LCSD- ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt



A1 DIMENSION PLAN

1/8" = 1'-0" EXISTING

NORTH

GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI) AND RESPONDED TO BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
2. KEYNOTES: # THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.
3. ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
4. CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).
5. ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
6. MIN CLEARANCE REQUIRED ON LATCH SIDE OF DOORS SHALL CONFORM TO ADA REQUIREMENTS

7. HINGE SIDE OF DOORS AT PERPENDICULAR WALLS TO HAVE 3" STUD SECTION U.N.O
8. BLOCKING TO BE PROVIDED AT SHELVING, CASEWORK, RAILINGS, LIGHT FIXTURE, COUNTERTOP, ACCESSORIES, TYP
9. PROVIDE 5/8" PLYWOOD BACKING PANELS AT ELECTRICAL ROOMS AND TELEVISION LOCATIONS FOR EQUIPMENT MOUNTING. PAINT TO MATCH WALLS PER FINISH PLANS
10. PROVIDE CONTINUOUS WOOD BLOCKING OR METAL STRAPPING FOR ANY WALL MOUNTED OR SUPPORTED ITEMS.
11. WALL TYPES SHOWN AS WWW ARE SHOWN ON SHEET A-611. FOR OTHER WALLS SEE BUILDING AND WALL SECTIONS. FOR STANDARD STEEL STUD DETAILS SEE A-512
12. AT RECESSED CABINETS (IE: ELECTRICAL PANELS, FEC AND ETC) IN FIRE RATED WALLS PROVIDE 5 SIDE COVERAGE OF GYP BD IN STUD WALLS TO MAINTAIN INTEGRITY OF FIRE WALL RATING
13. ALIGN FURRED WALLS AND STUD WALL FINISH FACE TYPICAL, U.N.O.
14. ADA RESTROOMS MUST COMPLY WITH ADA WATER CLOSET MEASUREMENTS ON SHEET A-421
15. SEE CODE PLAN FOR LOCATION SMOKE AND FIRE RATED PARTITIONS
16. SLOPE ALL SETTING BEDS TO FLOOR DRAINS U.N.O.
17. SEE CODE PLAN FOR SOUND WALL LOCATIONS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

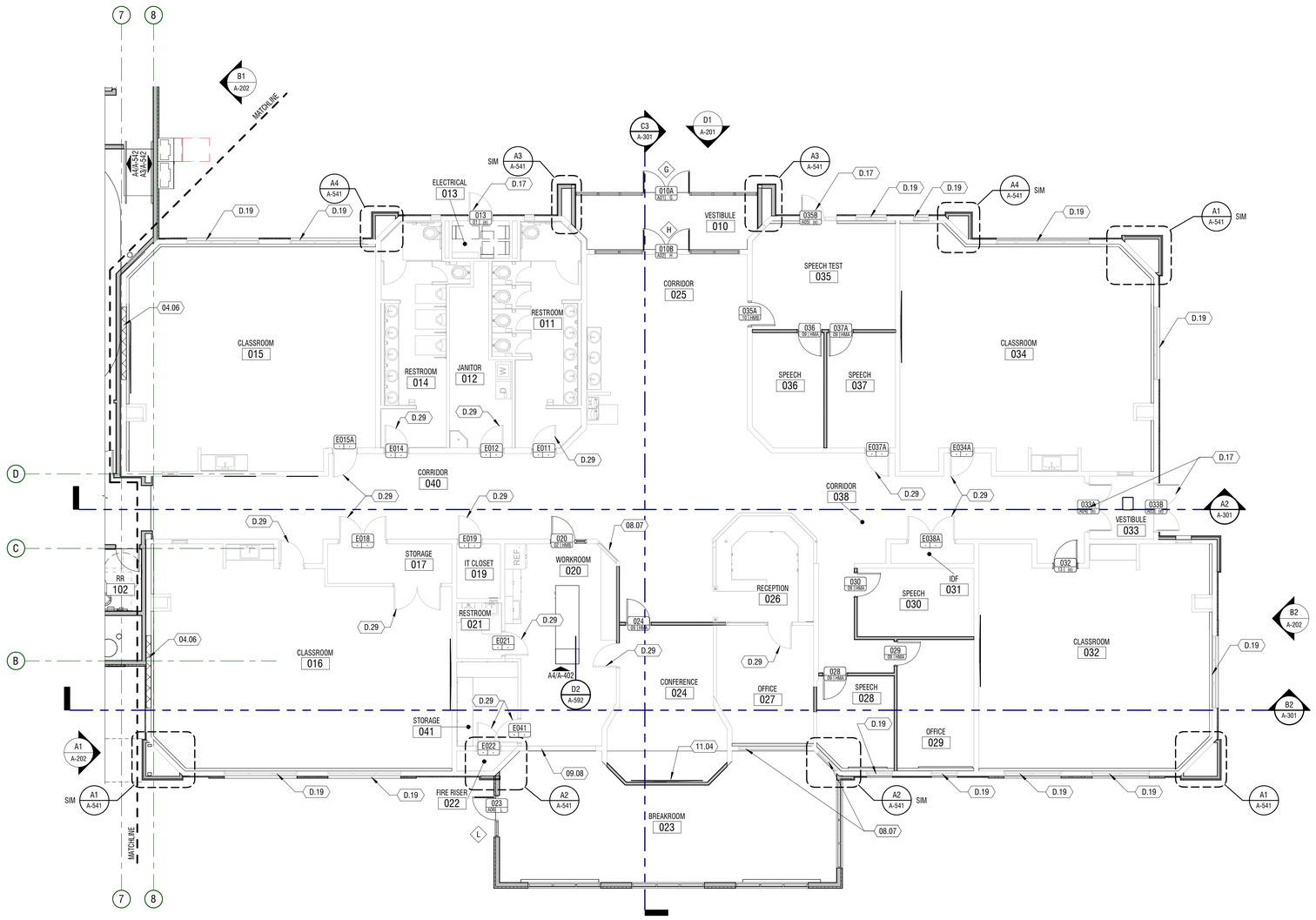
CONSTRUCTION DOCUMENTS

EXISTING - DIMENSION PLAN

A-111.1

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:21 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.V2.rvt



A1 ANNOTATION PLAN

1/8" = 1'-0" EXISTING

NORTH

GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.

2. KEYNOTES: ⟨#⟩ THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

   ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.

3. CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL.
4. ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
5. HOLLOW METAL FRAME AND ALUMINUM WINDOW TYPES ⟨1t⟩ ARE SHOWN ON SHEET SERIES A-570. DIMENSIONS TO FRAMES WILL BE TO OUTSIDE EDGE OF FRAME. SEE BOTH THE FLOOR PLAN AND EXTERIOR ELEVATIONS FOR ALL WINDOW TYPE REFERENCES
6. SEE FINISH PLANS FOR SIGNAGE LOCATION, SIGNAGE SYMBOL
7. SEE SHEET SERIES G-003 & A-611 FOR ALL FIRE WALLS, SMOKE WALLS, WALLS TO CEILING LEVEL, SOUND WALLS
8. FEC = FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
9. ⟨Z1/Y-123⟩ INDICATES INTERIOR ROOM ELEVATIONS ON SHEET REFERENCED
10. SEE SITE PLANS FOR EXTERIOR STAIRS, RAILING AND RAMP DETAILS
11. ROLLER SHADES PER FINISH PLANS
12. DOORS MARK BEGINNING WITH "E" DENOTE EXISTING DOOR TO REMAIN, PROTECT DURING CONSTRUCTION

KEYNOTES ⟨#⟩

MARK	DESCRIPTION
04.06	MASONRY INFILL TO MATCH EXISTING WALL
08.07	EXISTING WINDOWS NOW INTERIOR TO BE PAINTED TO MATCH EXTERIOR PAINTED WINDOWS BOTH SIDES
09.08	CONTINUE FINISHES THROUGH NEW OPENING
11.04	WALL MOUNTED DISPLAY, (PROVIDED BY OWNER) OFCI, AND MOUNT CFCI
D.17	EXISTING DOOR TO REMAIN, PROTECT DURING CONSTRUCTION, DOOR AND FRAME TO BE PAINTED
D.19	PREPARE EXISTING WINDOW FRAME TO BE PAINTED
D.29	EXISTING DOOR FRAME TO RECIEVE NEW PAINT FINISH

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

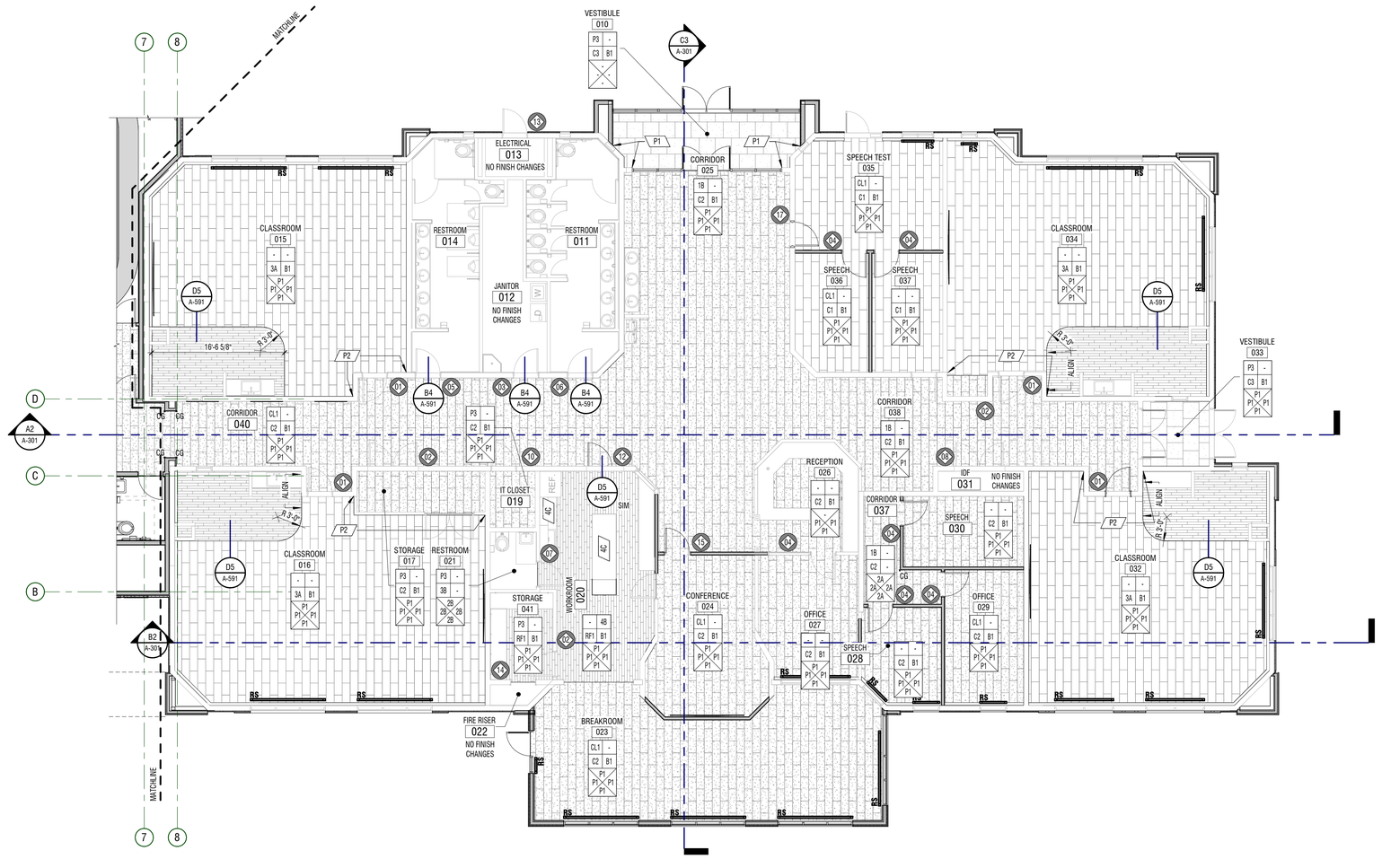
CONSTRUCTION DOCUMENTS

EXISTING - ANNOTATION PLAN

A-111.2

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/9/2025 1:56:22 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.V2.rvt



GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
2. ROOM FINISH TAGS FOR EACH ROOM REPRESENT TYPICAL FINISHES. SPECIFIC WALLS IN SELECTED AREAS MAY HAVE MULTIPLE FINISHES WHICH WILL BE INDICATED IN INTERIOR ELEVATIONS.
3. SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION
4. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION
5. FOR FINISH LEGEND SEE A-691
6. **CG** (CORNER GUARD) SEE SPECIFICATIONS - COLOR TO BE SELECTED BY ARCHITECT
7. FLOOR MATERIAL TRANSITIONS WILL OCCUR BELOW DOORS. U.N.O. SEE TYPICAL TRANSITION DETAILS ON SHEET A-591
8. POLISHED OR SEALED CONCRETE DOES EXTEND UNDER CASEWORK OR MILLWORK
9. FLOOR COVERING DOES NOT EXTEND UNDER MILLWORK OR CASEWORK, U.N.O.
10. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK AND FINISH ASSEMBLIES
11. FOR TYPICAL WALL TILE PATTERN SEE A5/A-591

LEGEND

CEILING / FLOOR / WALL / WALL — MILLWORK / BASE / WALL / WALL — ROOM FINISH TAG

C1 — FINISH TAG - INDICATES SPECIFIC APPLIED FINISH

C1 — INDICATES FINISH IS APPLIED TO AREA BETWEEN ARROWS

C1 — INDICATES FINISH IS APPLIED TO FACE OF SURFACE(S)

RS — INDICATES A MANUAL ROLLER SHADE.

RS — INDICATES A MOTORIZED ROLLER SHADE.

01 — INDICATES SIGNAGE LOCATION

CG — INDICATES CORNER GUARD

A1 FINISH PLAN

1/8" = 1'-0" EXISTING

NORTH

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

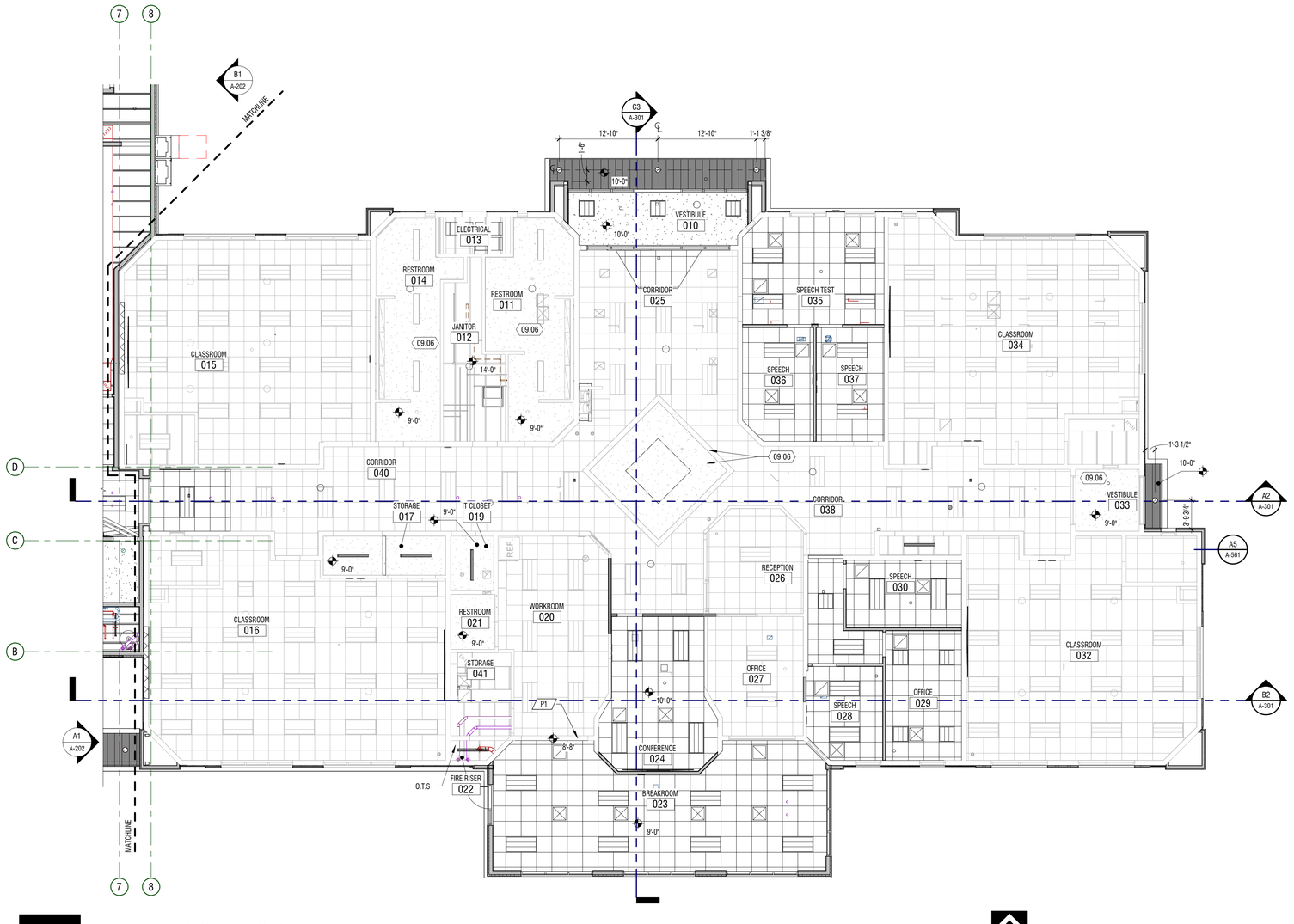
PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

EXISTING-FINISH PLAN

A-111.3

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:56:58 PM Autodesk Docs://125054 - LCSD EDC Preschool Addition/125054 - LCSD - EDC Preschool Addition_R24 V21.rvt



A1 REFLECTED CEILING PLAN

1/8" = 1'-0"

EXISTING

NORTH

GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
2. KEYNOTES (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

   ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
3. CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL. NOTIFY ARCHITECT OF ANY CONFLICTS.
4. ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
5. FINISH TAG (P2) SEE A-691 LEGEND FOR FINISH LEGEND
6. CEILING HEIGHT IS B.O. FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
7. MEASUREMENTS SPECIFYING "EQ" = EQUAL LENGTH OR WIDTH TO FILL REMAINDER OF LENGTH REQUIRED
8. CEILINGS WITH NO DIRECT MEASUREMENTS, ASSUME CEILING TO BE EQUALLY DISTANCED ON ALL SIDES OF ROOM
9. FIXTURES IN OPEN TO STRUCTURE AREAS ARE DIMENSIONED FROM WALL OR CENTERLINE OF ROOM
10. LIGHT FIXTURES WITH NO DIMENSIONS ARE TO BE CENTERED ON ROOM UNLESS OTHERWISE NOTED
11. FIXTURES WITHIN A.C.T. TO BE CENTERED IN GRID UNLESS OTHERWISE NOTED
12. FIXTURES ON GRID SHALL BE IN LINE WITH GRID CENTER ON CENTER UNLESS OTHERWISE NOTED
13. MECHANICAL, ELECTRICAL, SPRINKLER AND DRAIN CONTRACTORS TO COORDINATE PRIOR TO CONSTRUCTION TO AVOID CONFLICTS BETWEEN SYSTEMS
14. ROLLER SHADES PER FINISH PLANS, COORDINATE MANUAL AND POWER LOCATIONS WITH THE ELECTRICAL AND FINISH PLANS.
15. FIRE SPRINKLER HEADS, MOTION DETECTORS, LIGHT SENSORS, ETC. ARE TO BE CENTERED IN THE GRID.

KEYNOTES

(#) MARK	DESCRIPTION
09.06	EXISTING TO REMAIN

LEGEND

MATERIALS

- 2'-0" x 2'-0" SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM
- PAINTED GYPSUM BOARD CEILINGS TYPICAL, U.N.O.
- METAL SOFFIT, COLOR BY ARCHITECT

SYMBOLS

LIGHTING FIXTURES:

- 2'x2' / 2'x4' TROFFERS
- SURFACE MOUNTED FIXTURES
- RECESSED FIXTURE
- EXTERIOR PENDANT
- SOLATUBE DIFFUSER
- LINEAR LED LIGHT FIXTURE

SENSORS/SIGNS/ELEC./DATA:

- EXIT SIGN - SEE ELECTRICAL DRAWINGS

AIR GRILLES:

- EXHAUST
- SUPPLY / FRESH
- RETURN / RELIEF
- PENDANT LIGHT

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

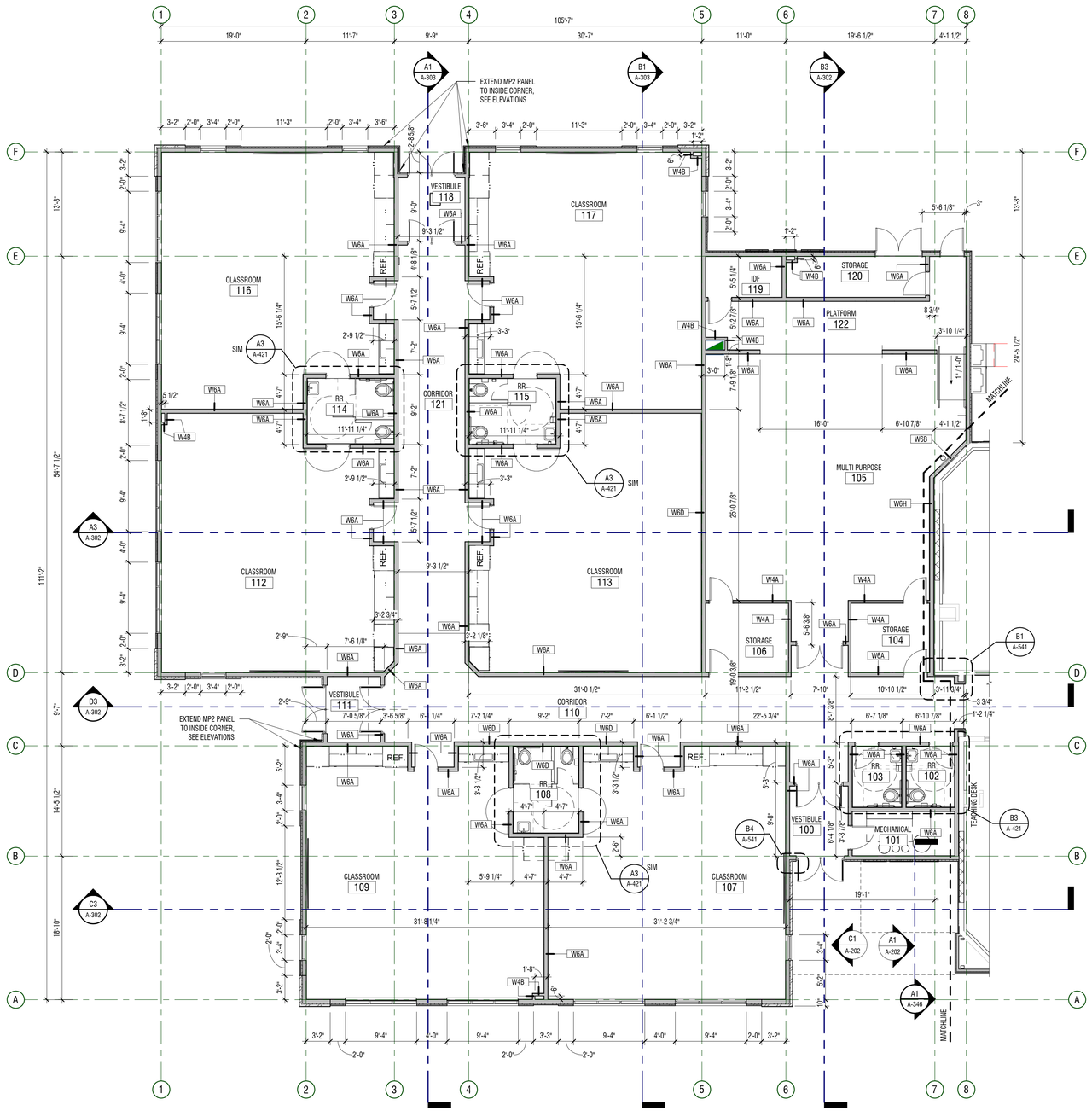
PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

EXISTING-REFLECTED CEILING PLAN

A-111.4

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:56 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21.rvt



A1 DIMENSION PLAN

1/8" = 1'-0" ADDITION

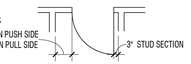
NORTH

GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI) AND RESPONDED TO BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
2. KEYNOTES: (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.
3. ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
4. CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).
5. ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
6. MIN CLEARANCE REQUIRED ON LATCH SIDE OF DOORS SHALL CONFORM TO ADA REQUIREMENTS

7. HINGE SIDE OF DOORS AT PERPENDICULAR WALLS TO HAVE 3" STUD SECTION U.N.O
8. BLOCKING TO BE PROVIDED AT SHELVING, CASEWORK, RAILINGS, LIGHT FIXTURE, COUNTERTOP, ACCESSORIES, TYP
9. PROVIDE 5/8" PLYWOOD BACKING PANELS AT ELECTRICAL ROOMS AND TELEVISION LOCATIONS FOR EQUIPMENT MOUNTING. PAINT TO MATCH WALLS PER FINISH PLANS
10. PROVIDE CONTINUOUS WOOD BLOCKING OR METAL STRAPPING FOR ANY WALL MOUNTED OR SUPPORTED ITEMS.
11. WALL TYPES SHOWN AS — WWW — ARE SHOWN ON SHEET A-611. FOR OTHER WALLS SEE BUILDING AND WALL SECTIONS. FOR STANDARD STEEL STUD DETAILS SEE A-512
12. AT RECESSED CABINETS (IE: ELECTRICAL PANELS, FEC AND ETC) IN FIRE RATED WALLS PROVIDE 5 SIDE COVERAGE OF GYP BD IN STUD WALLS TO MAINTAIN INTEGRITY OF FIRE WALL RATING
13. ALIGN FURRED WALLS AND STUD WALL FINISH FACE TYPICAL. U.N.O.
14. ADA RESTROOMS MUST COMPLY WITH ADA WATER CLOSET MEASUREMENTS ON SHEET A-421
15. SEE CODE PLAN FOR LOCATION SMOKE AND FIRE RATED PARTITIONS
16. SLOPE ALL SETTING BEDS TO FLOOR DRAINS U.N.O.
17. SEE CODE PLAN FOR SOUND WALL LOCATIONS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

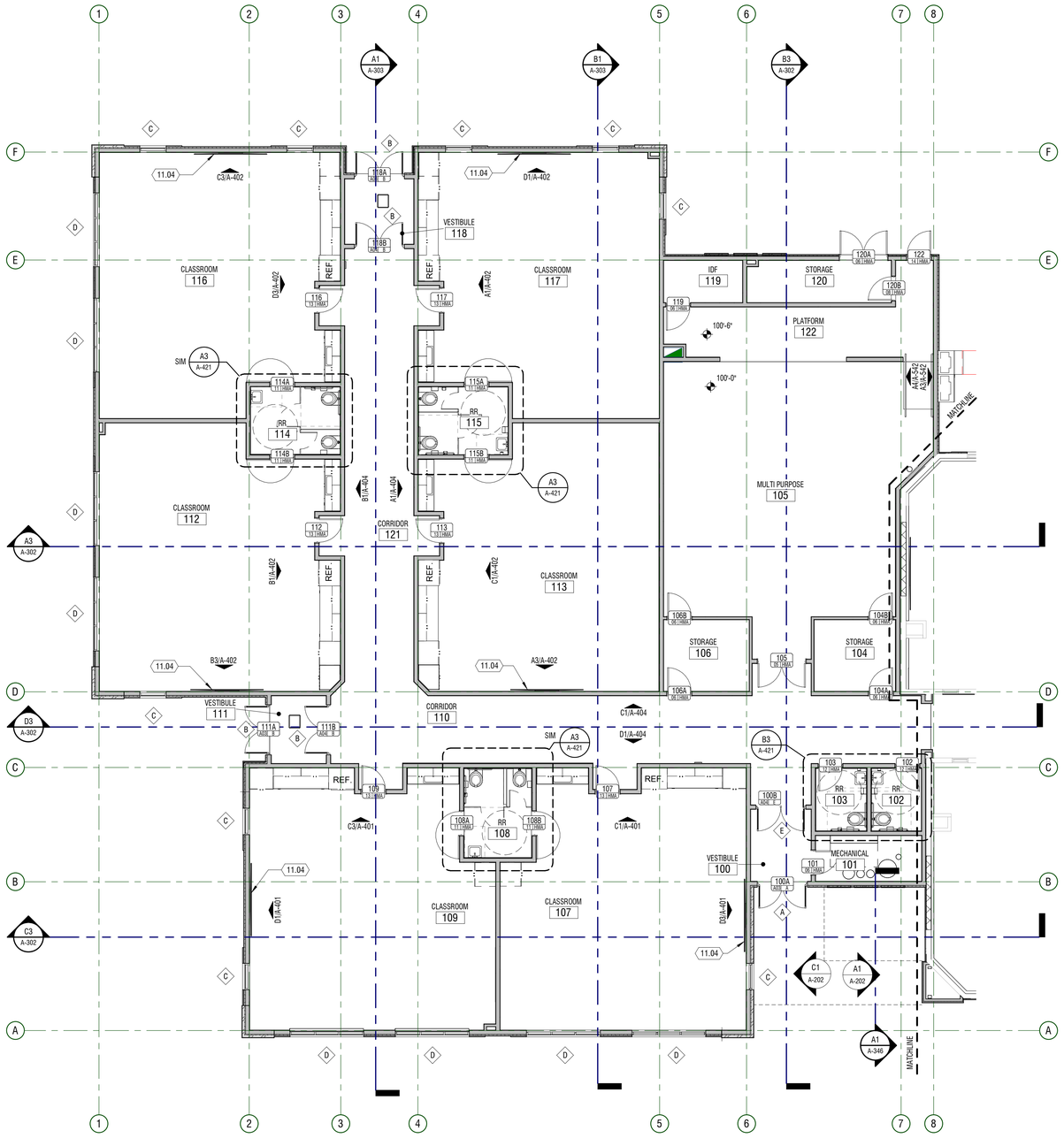
CONSTRUCTION DOCUMENTS

ADDITION - DIMENSION PLAN

A-121.1

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:56:33 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.t2.rvt



A1 ANNOTATION PLAN

1/8" = 1'-0" ADDITION

NORTH

GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.

2. KEYNOTES: (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

   ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.

3. CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL.
4. ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
5. HOLLOW METAL FRAME AND ALUMINUM WINDOW TYPES (1t) ARE SHOWN ON SHEET SERIES A-570. DIMENSIONS TO FRAMES WILL BE TO OUTSIDE EDGE OF FRAME. SEE BOTH THE FLOOR PLAN AND EXTERIOR ELEVATIONS FOR ALL WINDOW TYPE REFERENCES
6. SEE FINISH PLANS FOR SIGNAGE LOCATION, SIGNAGE SYMBOL
7. SEE SHEET SERIES G-003 & A-611 FOR ALL FIRE WALLS, SMOKE WALLS, WALLS TO CEILING LEVEL, SOUND WALLS
8. FEC = FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
9. Z1/Y-123 INDICATES INTERIOR ROOM ELEVATIONS ON SHEET REFERENCED
10. SEE SITE PLANS FOR EXTERIOR STAIRS, RAILING AND RAMP DETAILS
11. ROLLER SHADES PER FINISH PLANS
12. DOORS MARK BEGINNING WITH "E" DENOTE EXISTING DOOR TO REMAIN, PROTECT DURING CONSTRUCTION

KEYNOTES

(#) MARK	DESCRIPTION
11.04	WALL MOUNTED DISPLAY, (PROVIDED BY OWNER) OFCI, AND MOUNT CFCI

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

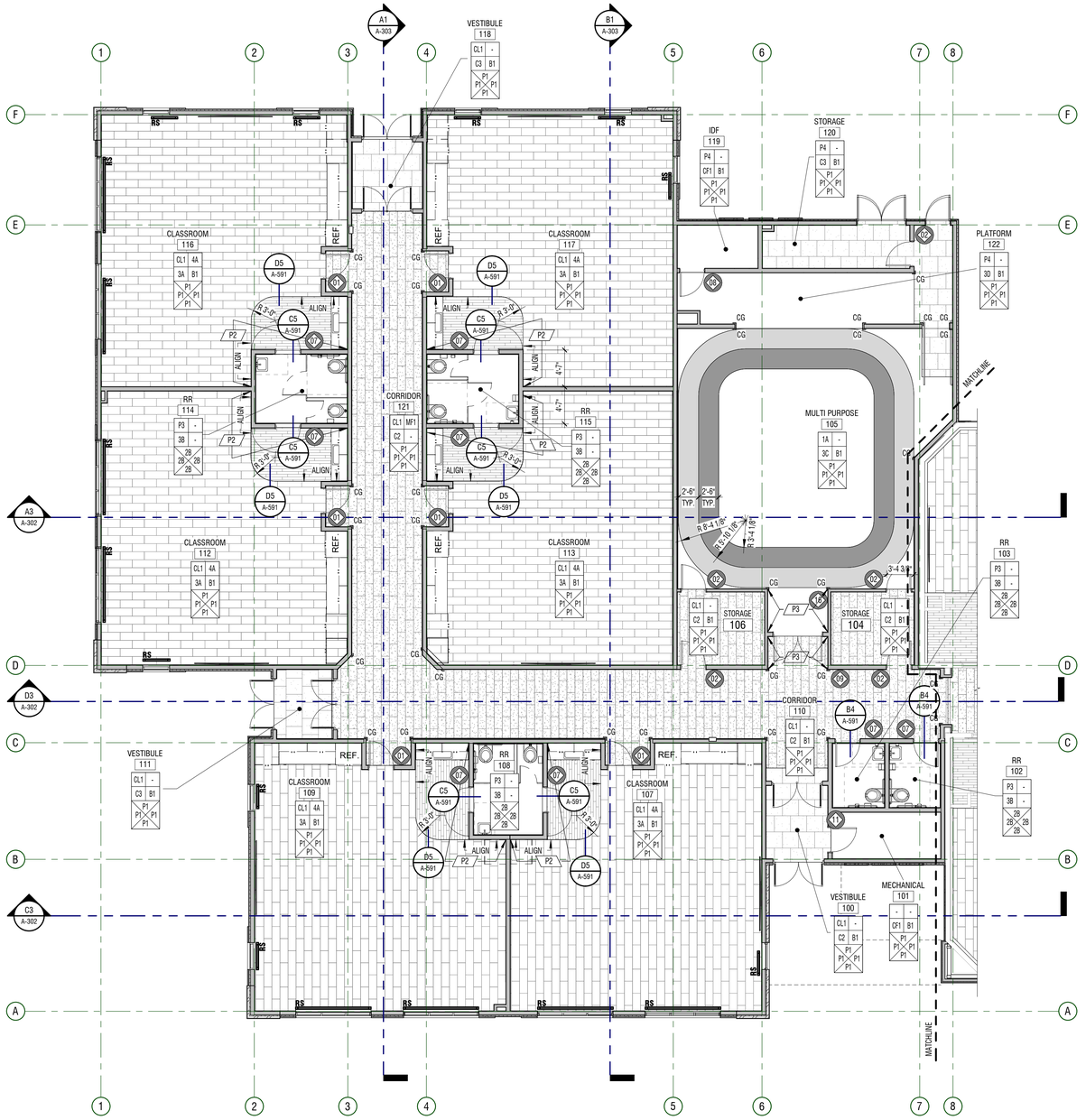
CONSTRUCTION DOCUMENTS

ADDITION - ANNOTATION PLAN

A-121.2

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

3/26/2025 1:56:37 PM Autodesk Docs://125054 - LCSD EEC Preschool Addition/125054 - LCSD - EEC Preschool Addition_R24.rvt



A2 PLAN FINISH

1/8" = 1'-0" ADDITION

NORTH

GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
2. ROOM FINISH TAGS FOR EACH ROOM REPRESENT TYPICAL FINISHES. SPECIFIC WALLS IN SELECTED AREAS MAY HAVE MULTIPLE FINISHES WHICH WILL BE INDICATED IN INTERIOR ELEVATIONS.
3. SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION
4. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION
5. FOR FINISH LEGEND SEE A-691
6. **CG** (CORNER GUARD) SEE SPECIFICATIONS - COLOR TO BE SELECTED BY ARCHITECT
7. FLOOR MATERIAL TRANSITIONS WILL OCCUR BELOW DOORS. U.N.O. SEE TYPICAL TRANSITION DETAILS ON SHEET A-591
8. POLISHED OR SEALED CONCRETE DOES EXTEND UNDER CASEWORK OR MILLWORK
9. FLOOR COVERING DOES NOT EXTEND UNDER MILLWORK OR CASEWORK, U.N.O.
10. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK AND FINISH ASSEMBLIES
11. FOR TYPICAL WALL TILE PATTERN SEE AS/A-591

LEGEND

CEILING / FLOOR / WALL / WALL — MILLWORK / BASE / WALL / WALL — ROOM FINISH TAG

C1 — FINISH TAG - INDICATES SPECIFIC APPLIED FINISH

C1 — INDICATES FINISH IS APPLIED TO AREA BETWEEN ARROWS

C1 — INDICATES FINISH IS APPLIED TO FACE OF SURFACE(S)

RS — INDICATES A MANUAL ROLLER SHADE.

RS — INDICATES A MOTORIZED ROLLER SHADE.

01 — INDICATES SIGNAGE LOCATION

CG — INDICATES CORNER GUARD

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:
1	4.25.2022	Addendum 1

PROJECT #: 125054
DRAWN BY: XX
CHECKED BY: XX
ISSUED: 05.29.2025

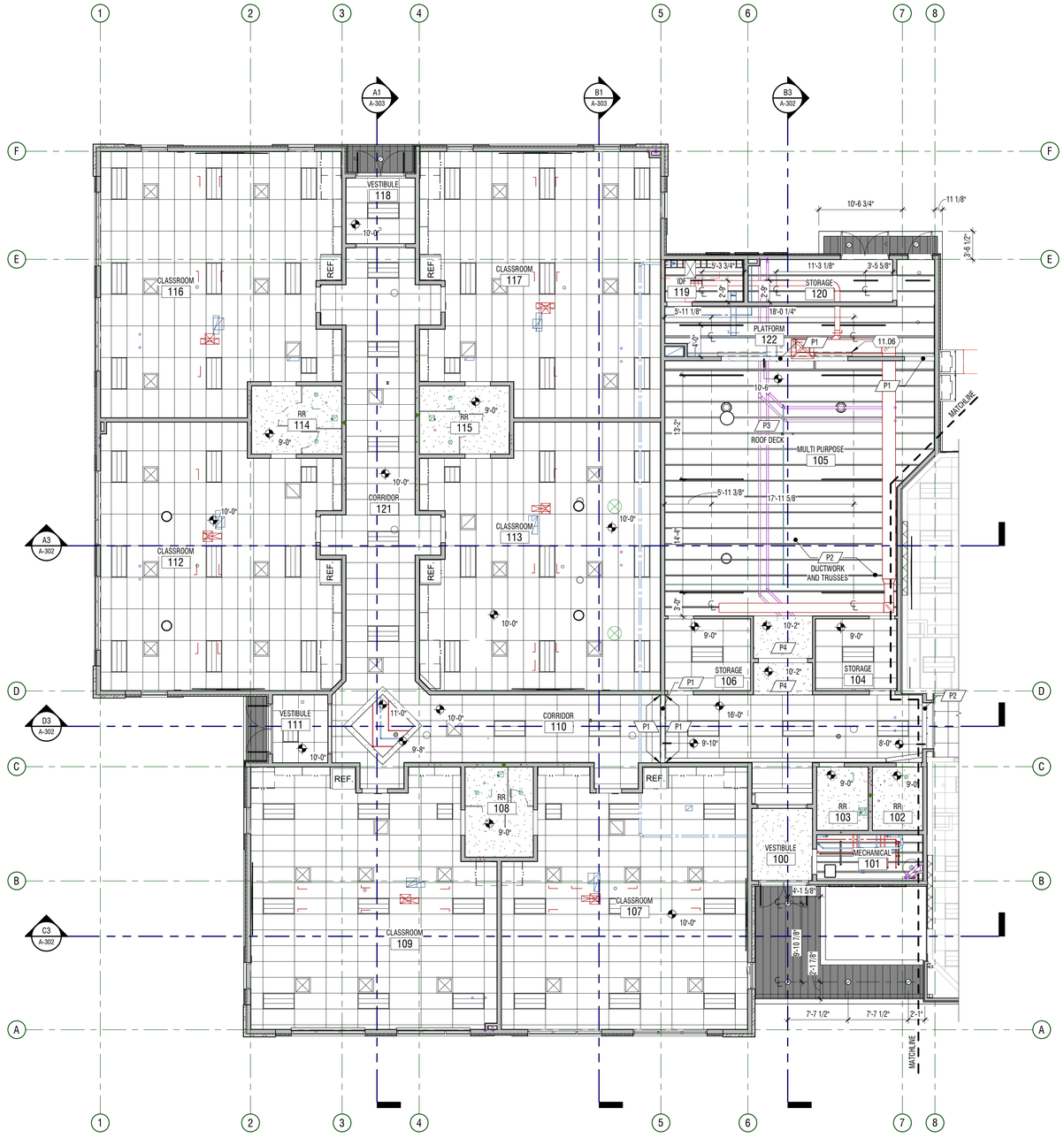
CONSTRUCTION DOCUMENTS

ADDITION - FINISH PLAN

A-121.3

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:56:11 PM Autodesk Docs://125054 - LCSD EEC Preschool Addition/125054 - LCSD - EEC Preschool Addition_R24.V2.rvt



A1 CEILING PLAN

1/8" = 1'-0"

NORTH

GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.

2. KEYNOTES: (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

   ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.

3. CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL. NOTIFY ARCHITECT OF ANY CONFLICTS.

4. ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.

5. FINISH TAG (P2) SEE A-691 LEGEND FOR FINISH LEGEND

6. CEILING HEIGHT IS B.O. FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR

7. MEASUREMENTS SPECIFYING "EQ" = EQUAL LENGTH OR WIDTH TO FILL REMAINDER OF LENGTH REQUIRED

8. CEILINGS WITH NO DIRECT MEASUREMENTS, ASSUME CEILING TO BE EQUALLY DISTANCED ON ALL SIDES OF ROOM

9. FIXTURES IN OPEN TO STRUCTURE AREAS ARE DIMENSIONED FROM WALL OR CENTERLINE OF ROOM

10. LIGHT FIXTURES WITH NO DIMENSIONS ARE TO BE CENTERED ON ROOM UNLESS OTHERWISE NOTED

11. FIXTURES WITHIN A.C.T. TO BE CENTERED IN GRID UNLESS OTHERWISE NOTED

12. FIXTURES ON GRID SHALL BE IN LINE WITH GRID CENTER ON CENTER UNLESS OTHERWISE NOTED

13. MECHANICAL, ELECTRICAL, SPRINKLER AND DRAIN CONTRACTORS TO COORDINATE PRIOR TO CONSTRUCTION TO AVOID CONFLICTS BETWEEN SYSTEMS

14. ROLLER SHADES PER FINISH PLANS, COORDINATE MANUAL AND POWER LOCATIONS WITH THE ELECTRICAL AND FINISH PLANS.

15. FIRE SPRINKLER HEADS, MOTION DETECTORS, LIGHT SENSORS, ETC. ARE TO BE CENTERED IN THE GRID.

KEYNOTES

(#) MARK	DESCRIPTION
11.06	PROJECTOR SCREEN, OFCI

LEGEND

MATERIALS

- 2'-0" x 2'-0" SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM
- PAINTED GYPSUM BOARD CEILINGS TYPICAL, U.N.O.
- METAL SOFFIT, COLOR BY ARCHITECT

SYMBOLS

LIGHTING FIXTURES:
- 2'x2' / 2'x4' TROFFERS
- SURFACE MOUNTED FIXTURES
- RECESSED FIXTURE
- EXTERIOR PENDANT
- SOLATUBE DIFFUSER
- LINEAR LED LIGHT FIXTURE

SENSORS/SIGNS/ELEC./DATA:
- EXIT SIGN - SEE ELECTRICAL DRAWINGS

AIR GRILLES:
- EXHAUST
- SUPPLY / FRESH
- RETURN / RELIEF
- PENDANT LIGHT

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

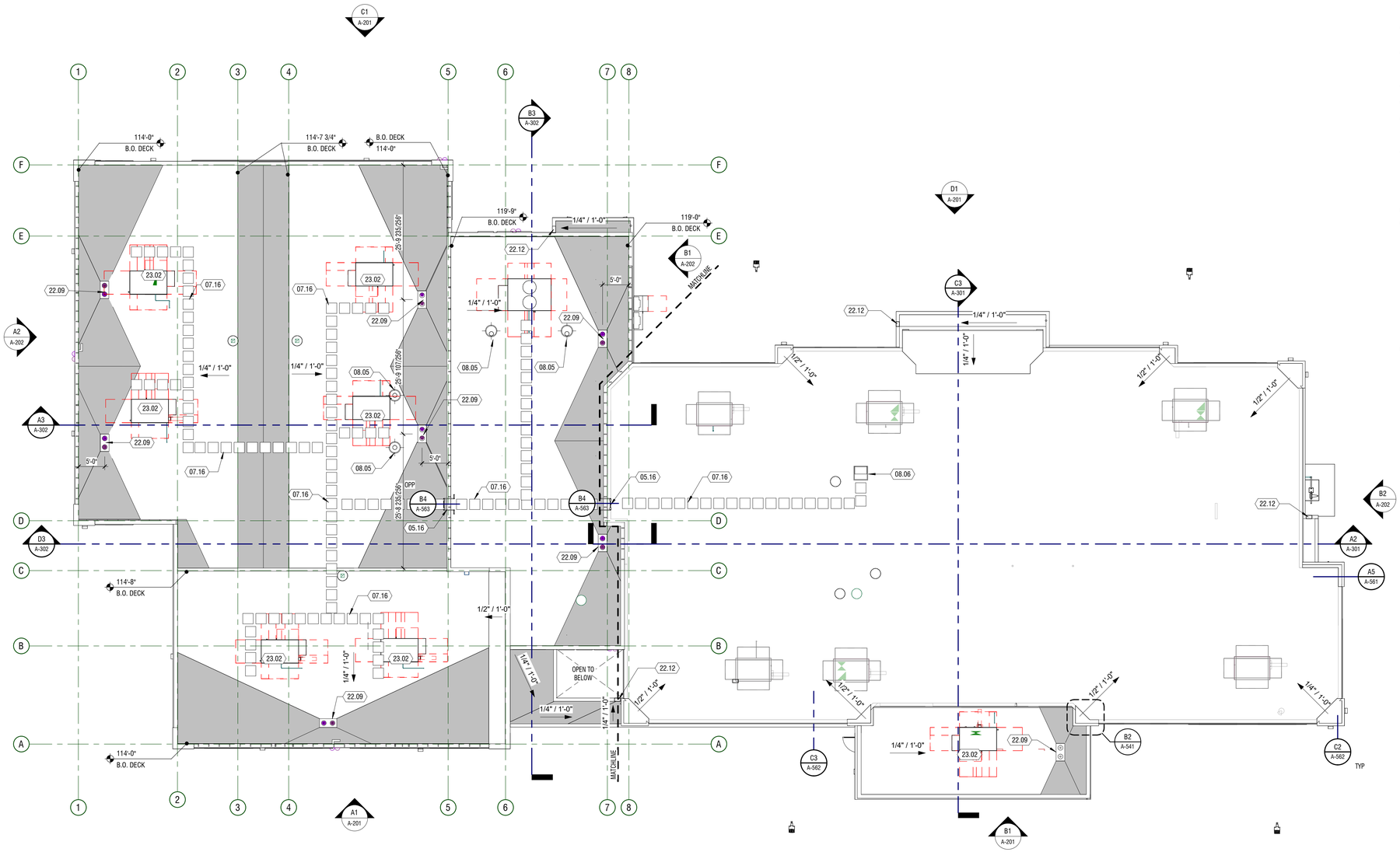
PROJECT #:	125054
DRAWN BY:	XX
CHECKED BY:	XX
ISSUED:	05.29.2025

ADDITION-REFLECTED CEILING PLAN

A-121.4

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:56:43 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition_R24.V21.rvt



A1 ROOF PLAN

3/32" = 1'-0"

NORTH

GENERAL NOTES

- LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

  ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

  ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
- KEYNOTES: THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

  ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
- CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL.
- ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- PLAN INDICATES MAJOR ROOF PENETRATIONS. THIS DOES NOT REPRESENT ALL PENETRATIONS BY UTILITIES. SEE MECHANICAL AND PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- ALL MECHANICAL AND OTHER PENETRATIONS SHALL BE FLASHED ACCORDING TO ROOF MANUFACTURER STANDARDS AND SPECIFICATIONS TO MAINTAIN ROOF MEMBRANE WARRANTY. PENETRATION LOCATIONS TO BE COORDINATED WITH MANUFACTURE PRIOR TO INSTALLATION. PITCH POCKETS ARE **NOT** ALLOWED
- PROVIDE ELECTROLYSIS SEPARATION BETWEEN DISSIMILAR MATERIAL CONNECTIONS
- CRICKETS SHOWN IN ROOF PLAN MAY NOT BE REFLECTED IN BUILDING SECTIONS OR DETAILS
- ALL FIELDS SLOPE TO ROOF DRAINS. CRICKETS SHOWN ARE FOR GENERAL REFERENCE AND MAY NOT INCLUDE ALL SITUATIONS WHERE CRICKETS ARE REQUIRED. INSTALLER IS RESPONSIBLE TO CRICKET AS REQUIRED TO PREVENT UNNECESSARY BUILD-UP OR DAMMING OF WATER ALONG WALLS, CURBS, ETC.
- PROVIDE 2'x2' ROOF WALKWAY PADS FROM ROOF HATCH TO AND AROUND ALL MECHANICAL UNITS, ROOF TOP EQUIPMENT, SOLAR PANELS, ETC.

KEYNOTES

#	
MARK	**DESCRIPTION**
05.16	ROOF ACCESS LADDER; BRACING REQUIRED
07.16	2'x2' ROOF WALKWAY PADS
08.05	TUBULAR SKYLIGHT
08.06	EXISTING ROOF HATCH
22.09	ROOF DRAIN - SEE D1/A-562
22.12	DOWNSPOUT
23.02	ROOF TOP UNIT; SEE MECHANICAL

LEGEND

- CRICKET ROOF - EPDM INSULATION BUILT UP TO CRICKETS 1/4":12" SLOPE
- ROOF - EPDM INSULATION ON DECK 1/4":12" SLOPE
- 2'x2' ROOF WALKWAY PADS

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

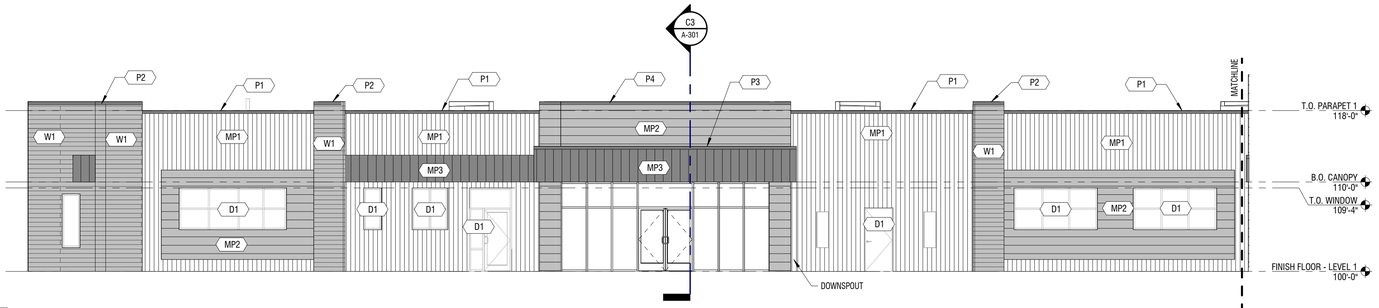
PROJECT #: 125054
DRAWN BY: XX
CHECKED BY: MR
ISSUED: 05.29.2025

ROOF PLAN

A-161

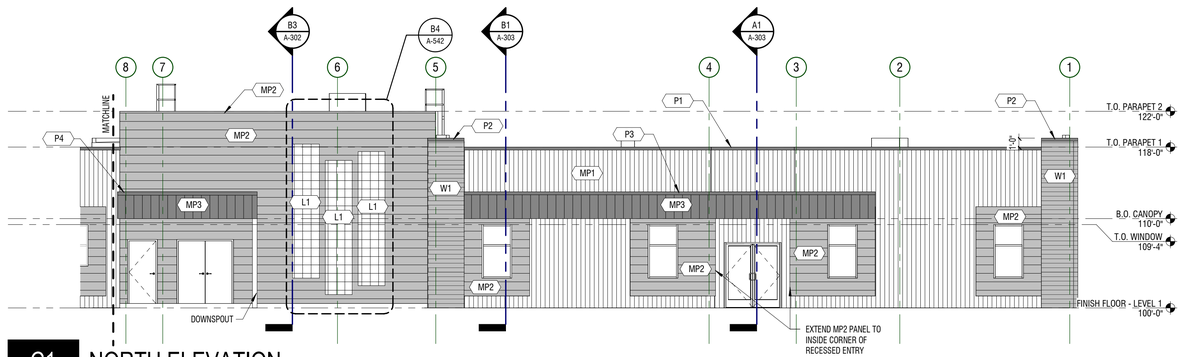
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

3/30/2025 1:56:53 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.V21.rvt



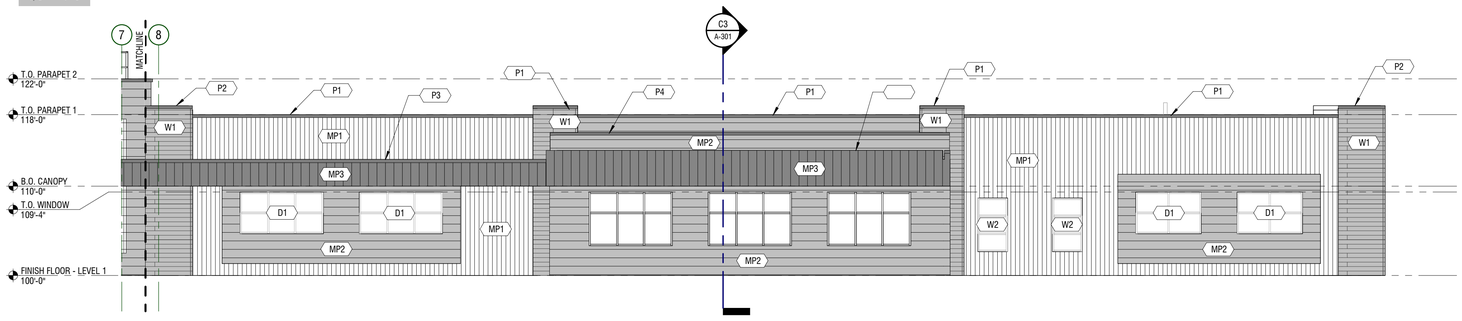
D1 NORTH ELEVATION

1/8" = 1'-0"



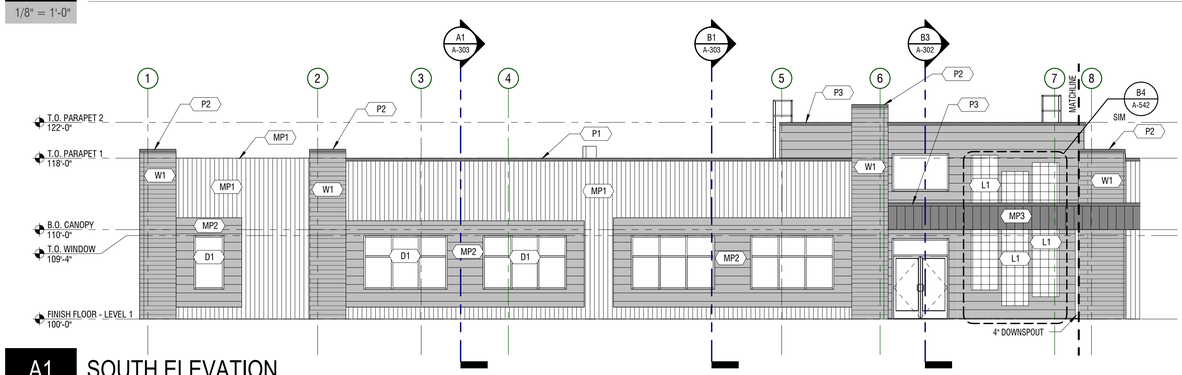
C1 NORTH ELEVATION

1/8" = 1'-0"



B1 SOUTH ELEVATION

1/8" = 1'-0"



A1 SOUTH ELEVATION

1/8" = 1'-0"

GENERAL NOTES

1 LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI) AND RESPONDED TO BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.

2 KEYNOTES: THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTERFORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.

3 CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).

4 ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.

MATERIALS

MARK	DESCRIPTION
D1	Aluminum 6061
DIVISION 07: THERMAL AND MOISTURE PROTECTION	
D1	DOOR + FRAME AND WINDOW ALUMINUM, TO BE PAINTED TO MATCH NEW GREY ANODIZED STORFRONT. EXTERIOR AND INTERIOR FACES
L1	METAL LATICE POWDER COAT FINISH, COLOR BY ARCHITECT
MP1	METAL PANEL COLOR 1 BY ARCHITECT
MP2	METAL PANEL COLOR 2 BY ARCHITECT
MP3	METAL PANEL COLOR 3 BY ARCHITECT
P1	PARAPET CAP COLOR 1, BY ARCHITECT
P2	PARAPET CAP COLOR 2, BY ARCHITECT
P3	PARAPET CAP COLOR 3, BY ARCHITECT
P4	PARAPET CAP COLOR 4, BY ARCHITECT
W1	COMPOSITE WOOD SIDING, COLOR BY ARCHITECT

KEYNOTES

# MARK	DESCRIPTION
22.12	DOWNSPOUT
P1	PARAPET CAP

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #:	125054
DRAWN BY:	XX
CHECKED BY:	XX
ISSUED:	05.29.2025

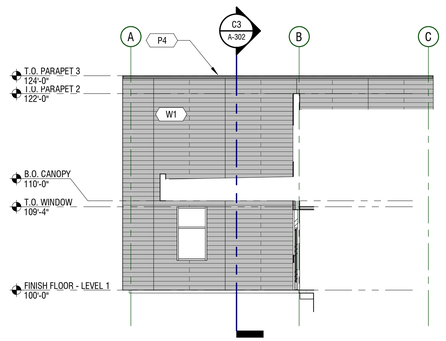
CONSTRUCTION DOCUMENTS

EXTERIOR ELEVATIONS

A-201

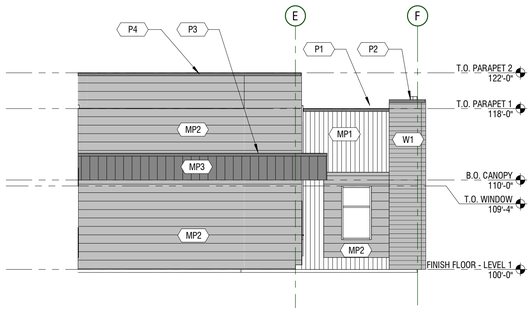
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:39 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt



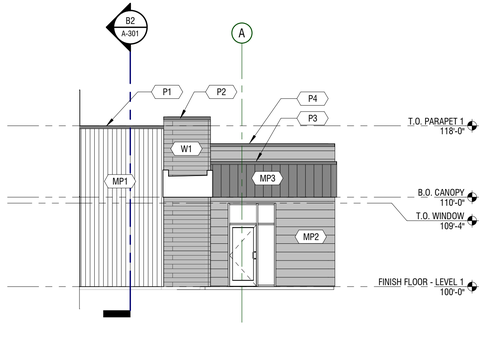
C1 EAST ELEVATION

1/8" = 1'-0"



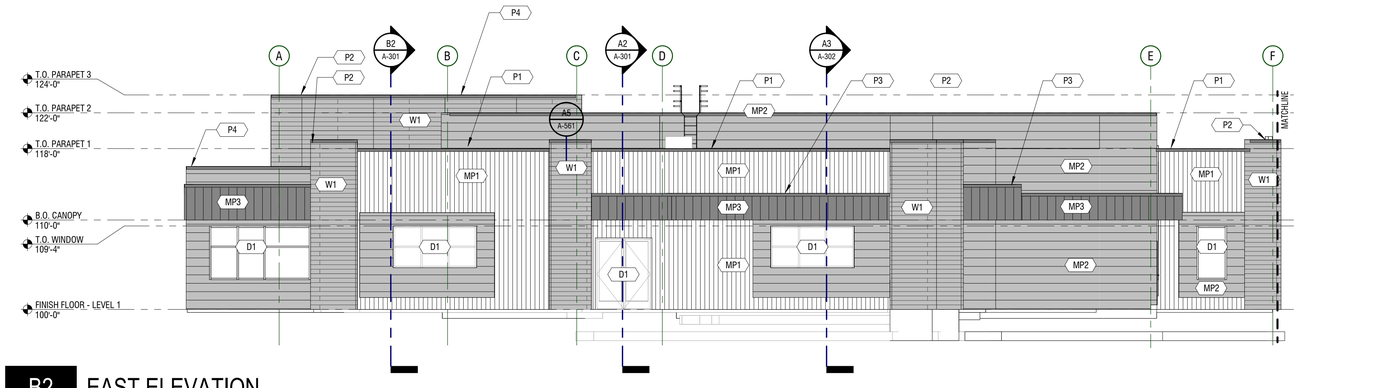
B1 EAST ELEVATION

1/8" = 1'-0"



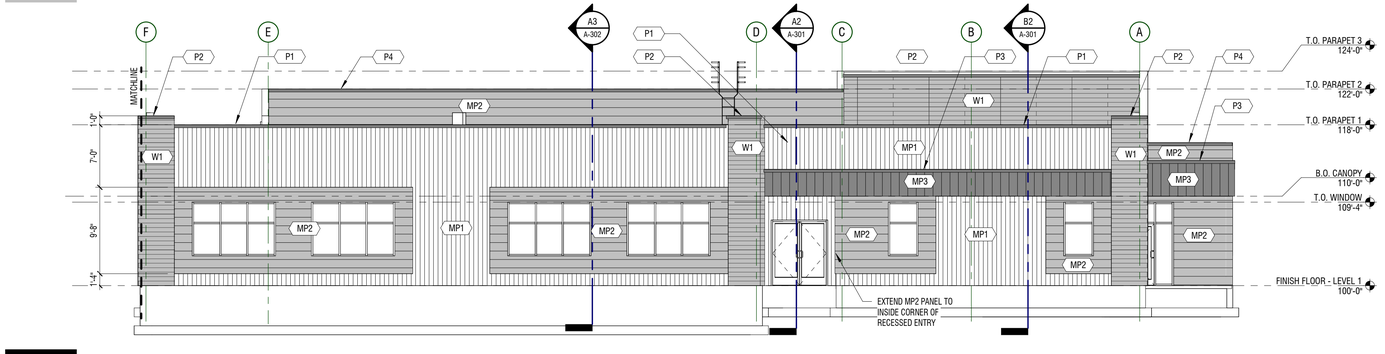
A1 WEST ELEVATION

1/8" = 1'-0"



B2 EAST ELEVATION

1/8" = 1'-0"



A2 WEST ELEVATION

1/8" = 1'-0"

GENERAL NOTES

1 LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI) AND RESPONDED TO BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.

2 KEYNOTES: THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTERFORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.

ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS' SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.

3 CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).

4 ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID/FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.

MATERIALS

MARK	DESCRIPTION
D1	Aluminum 6061
DIVISION 07: THERMAL AND MOISTURE PROTECTION	
D1	DOOR + FRAME AND WINDOW ALUMINIUM. TO BE PAINTED TO MATCH NEW GREY ANODIZED STORFRONT: EXTERIOR AND INTERIOR FACES
L1	METAL LATICE POWDER COAT FINISH, COLOR BY ARCHITECT
MP1	METAL PANEL COLOR 1 BY ARCHITECT
MP2	METAL PANEL COLOR 2 BY ARCHITECT
MP3	METAL PANEL COLOR 3 BY ARCHITECT
P1	PARAPET CAP COLOR 1, BY ARCHITECT
P2	PARAPET CAP COLOR 2, BY ARCHITECT
P3	PARAPET CAP COLOR 3, BY ARCHITECT
P4	PARAPET CAP COLOR 4, BY ARCHITECT
W1	COMPOSITE WOOD SIDING, COLOR BY ARCHITECT

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: XX
CHECKED BY: XX
ISSUED: 05.29.2025

EXTERIOR ELEVATIONS

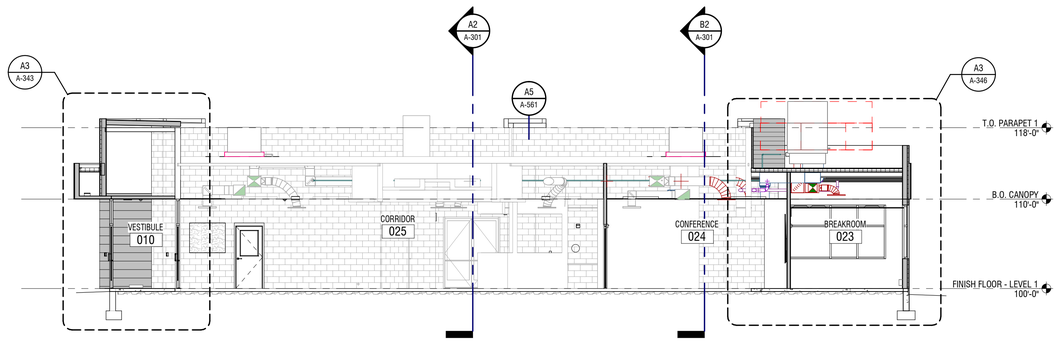
A-202

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:56:59 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21.rvt

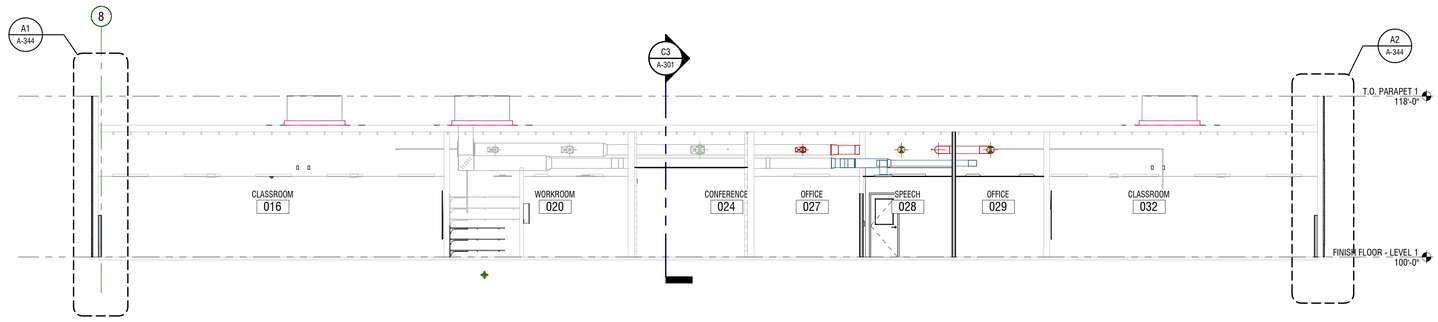
MATERIAL KEYNOTES

MARK	DESCRIPTION
D1	Aluminum 6061
DIVISION 07: THERMAL AND MOISTURE PROTECTION	
D1	DOOR + FRAME AND WINDOW ALUMINIUM, TO BE PAINTED TO MATCH NEW GREY ANODIZED STORFRONT. EXTERIOR AND INTERIOR FACES
L1	METAL LATICE POWDER COAT FINISH, COLOR BY ARCHITECT
MP1	METAL PANEL COLOR 1 BY ARCHITECT
MP2	METAL PANEL COLOR 2 BY ARCHITECT
MP3	METAL PANEL COLOR 3 BY ARCHITECT
P1	PARAPET CAP COLOR 1, BY ARCHITECT
P2	PARAPET CAP COLOR 2, BY ARCHITECT
P3	PARAPET CAP COLOR 3, BY ARCHITECT
P4	PARAPET CAP COLOR 4, BY ARCHITECT
W1	COMPOSITE WOOD SIDING, COLOR BY ARCHITECT



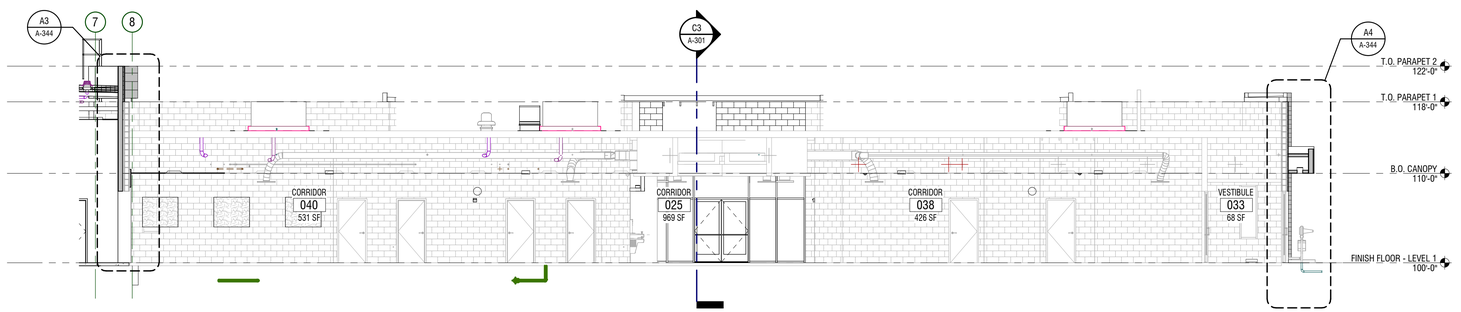
C3 EXISTING BUILDING SECTION

1/8" = 1'-0" A1/A-111.1



B2 EXISTING BUILDING SECTION

1/8" = 1'-0" A1/A-111.1



A2 EXISTING BUILDING SECTION

1/8" = 1'-0" A1/A-100

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK	DATE	DESCRIPTION

PROJECT #:	125054
DRAWN BY:	XX
CHECKED BY:	XX
ISSUED:	05.29.2025

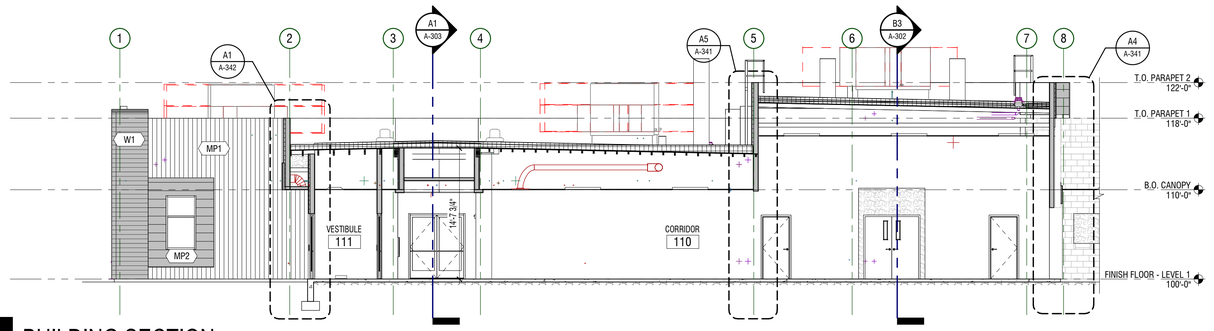
CONSTRUCTION DOCUMENTS

BUILDING SECTIONS

A-301

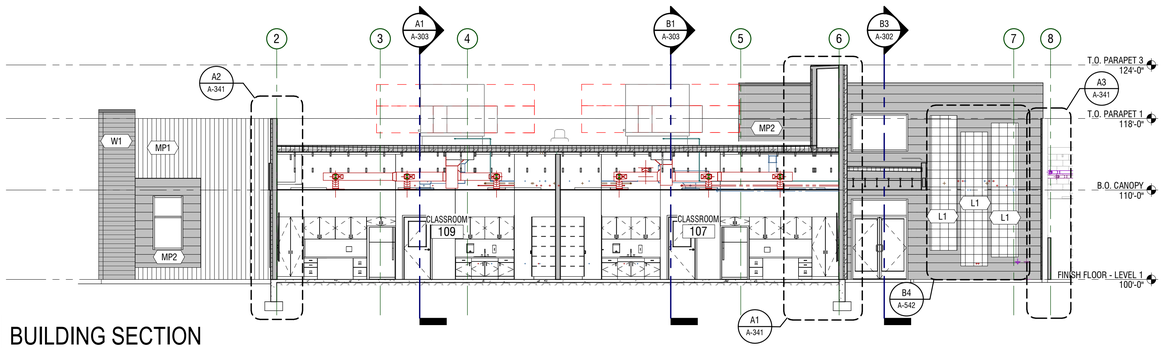
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:04 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition_R24.V21.rvt



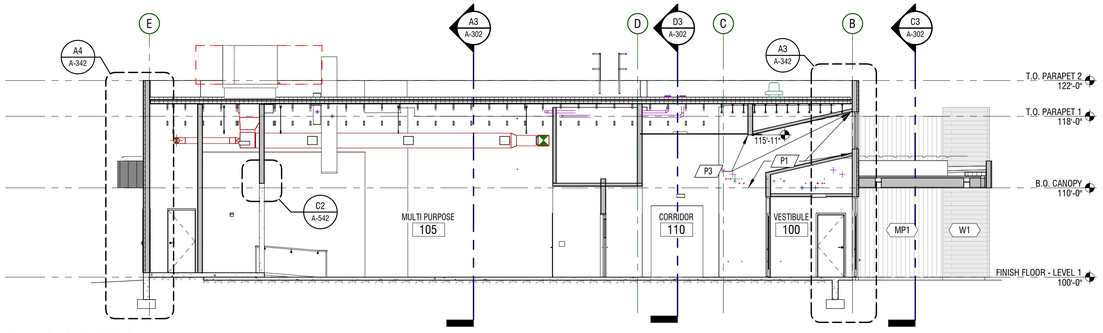
D3 BUILDING SECTION

1/8" = 1'-0" A1/A-121.1



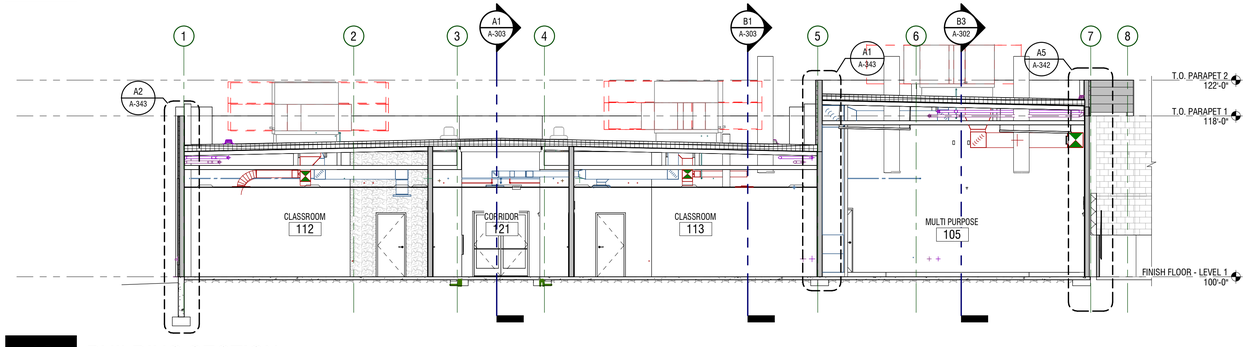
C3 BUILDING SECTION

1/8" = 1'-0" A1/A-121.1



B3 BUILDING SECTION

1/8" = 1'-0" A1/A-121.1



A3 BUILDING SECTION

1/8" = 1'-0" A1/A-121.1

MATERIAL KEYNOTES

MARK	DESCRIPTION
D1	Aluminum 6061
DIVISION 07: THERMAL AND MOISTURE PROTECTION	
D1	DOOR + FRAME AND WINDOW ALUMINIUM, TO BE PAINTED TO MATCH NEW GREY ANODIZED STORFRONT. EXTERIOR AND INTERIOR FACES
L1	METAL LATICE POWDER COAT FINISH, COLOR BY ARCHITECT
MP1	METAL PANEL COLOR 1 BY ARCHITECT
MP2	METAL PANEL COLOR 2 BY ARCHITECT
MP3	METAL PANEL COLOR 3 BY ARCHITECT
P1	PARAPET CAP COLOR 1, BY ARCHITECT
P2	PARAPET CAP COLOR 2, BY ARCHITECT
P3	PARAPET CAP COLOR 3, BY ARCHITECT
P4	PARAPET CAP COLOR 4, BY ARCHITECT
W1	COMPOSITE WOOD SIDING, COLOR BY ARCHITECT

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

CONSTRUCTION DOCUMENTS

BUILDING SECTIONS

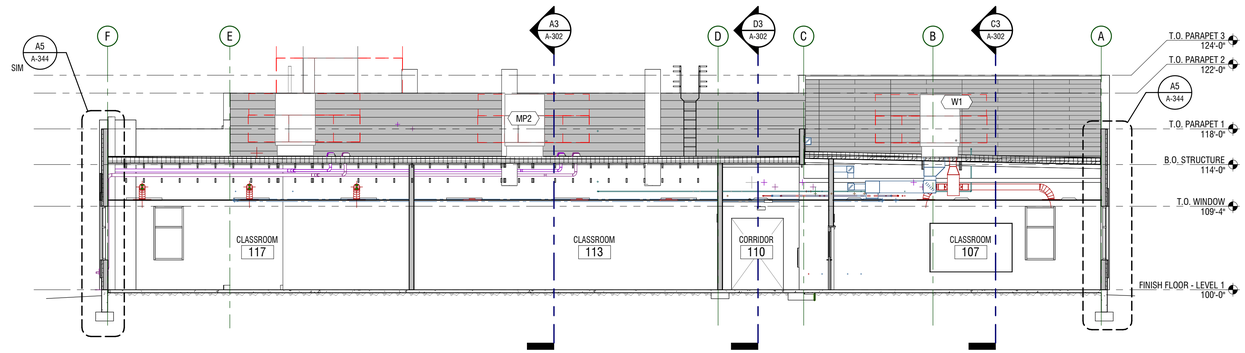
A-302

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:11 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.V2.rvt

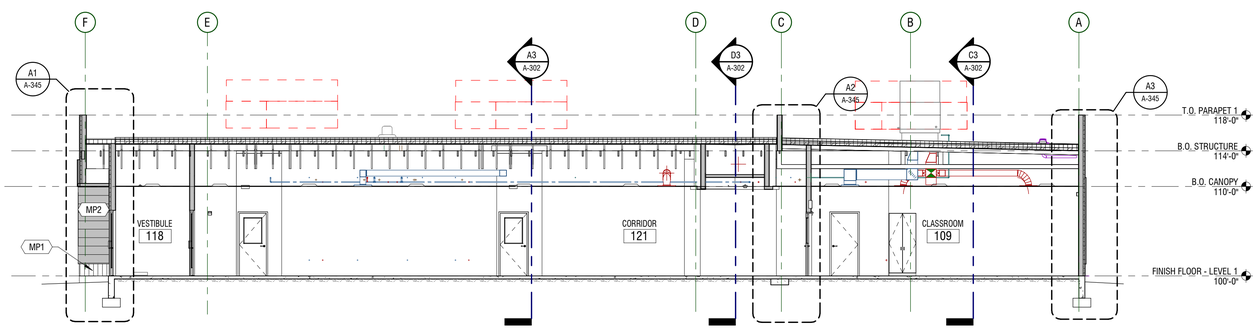
MATERIAL KEYNOTES

MARK	DESCRIPTION
D1	Aluminum 6061
DIVISION 07: THERMAL AND MOISTURE PROTECTION	
D1	DOOR + FRAME AND WINDOW ALUMINIUM, TO BE PAINTED TO MATCH NEW GREY ANODIZED STORFRONT. EXTERIOR AND INTERIOR FACES
L1	METAL LATICE POWDER COAT FINISH, COLOR BY ARCHITECT
MP1	METAL PANEL COLOR 1 BY ARCHITECT
MP2	METAL PANEL COLOR 2 BY ARCHITECT
MP3	METAL PANEL COLOR 3 BY ARCHITECT
P1	PARAPET CAP COLOR 1, BY ARCHITECT
P2	PARAPET CAP COLOR 2, BY ARCHITECT
P3	PARAPET CAP COLOR 3, BY ARCHITECT
P4	PARAPET CAP COLOR 4, BY ARCHITECT
W1	COMPOSITE WOOD SIDING, COLOR BY ARCHITECT



B1 BUILDING SECTION

1/8" = 1'-0" A1/A-121.1



A1 BUILDING SECTION

1/8" = 1'-0" A1/A-121.1

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

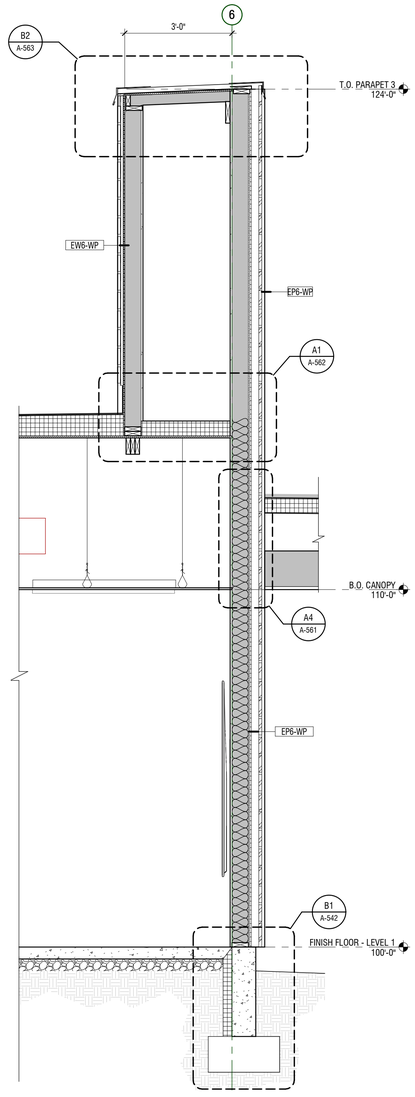
CONSTRUCTION DOCUMENTS

BUILDING SECTIONS

A-303

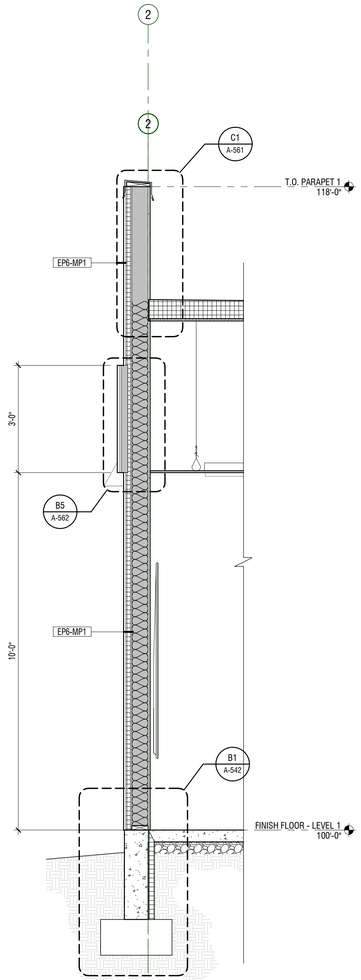
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:15 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt



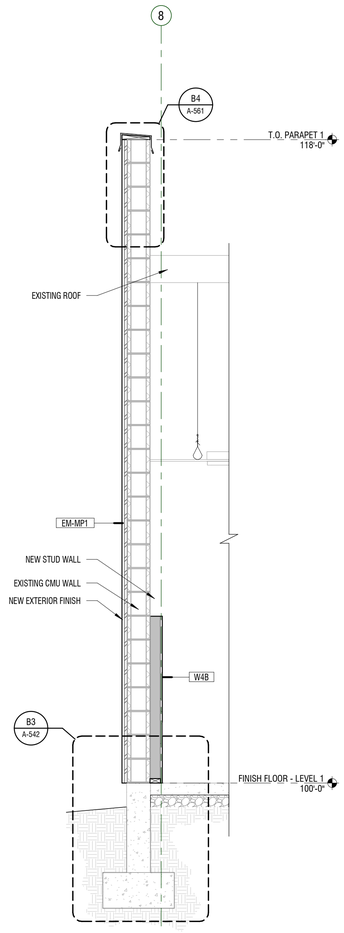
A1 WALL SECTION

1/2" = 1'-0" C3/A-302



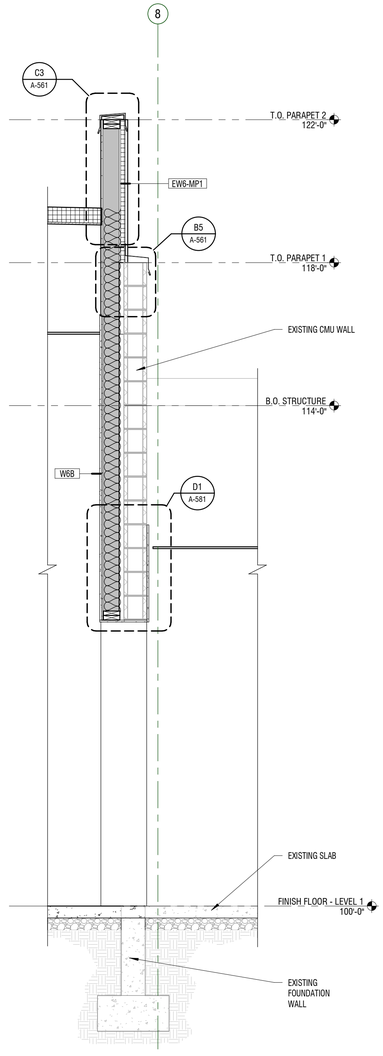
A2 WALL SECTION

1/2" = 1'-0" C3/A-302



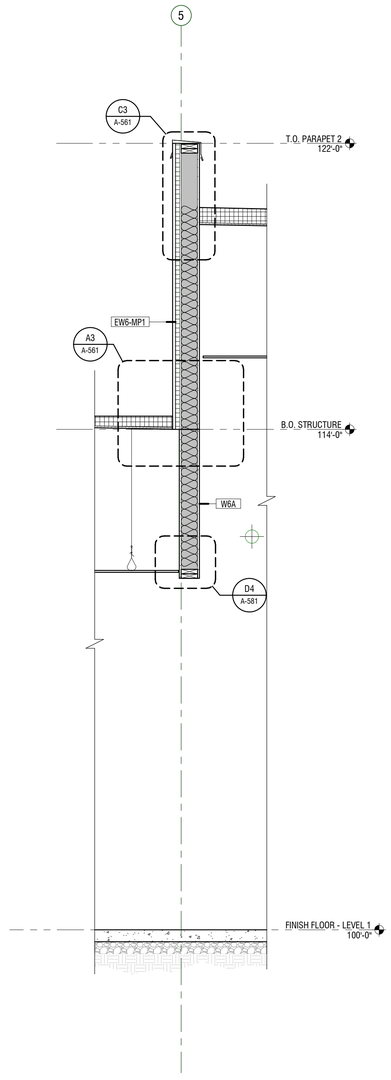
A3 WALL SECTION

1/2" = 1'-0" C3/A-302



A4 WALL SECTION

1/2" = 1'-0" D3/A-302



A5 WALL SECTION

1/2" = 1'-0" D3/A-302

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

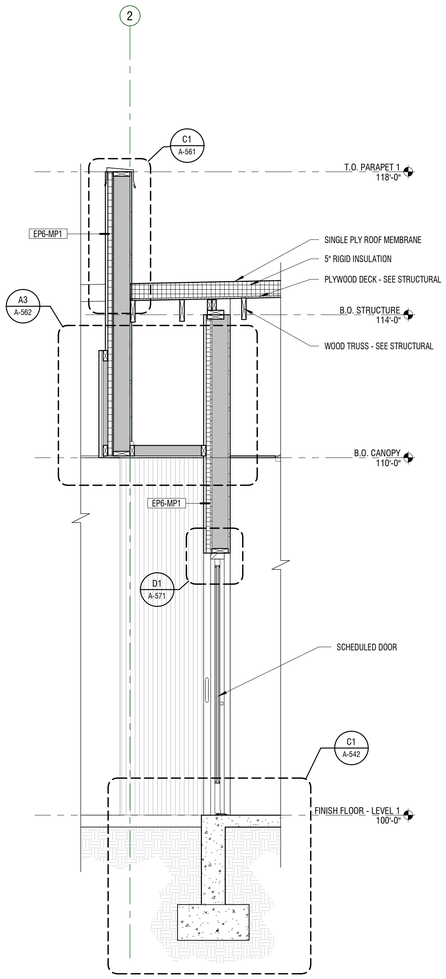
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

WALL SECTIONS

A-341

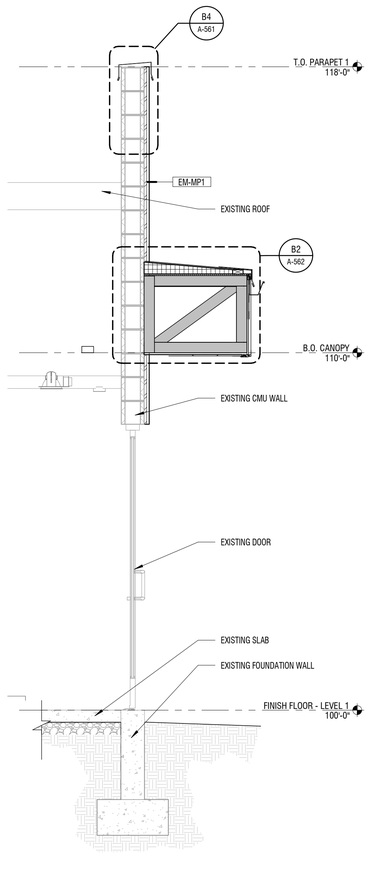
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:19 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD- ECC Preschool Addition_R24.rvt



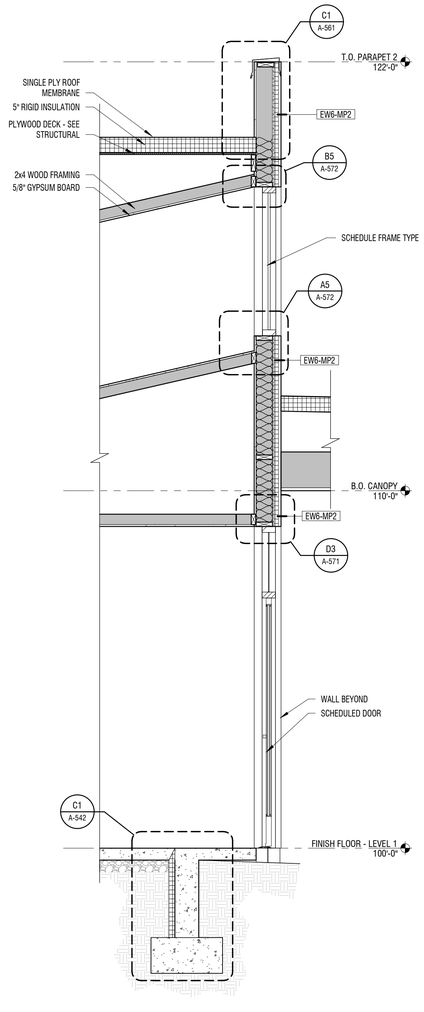
A1 WALL SECTION

1/2" = 1'-0" D3/A-302



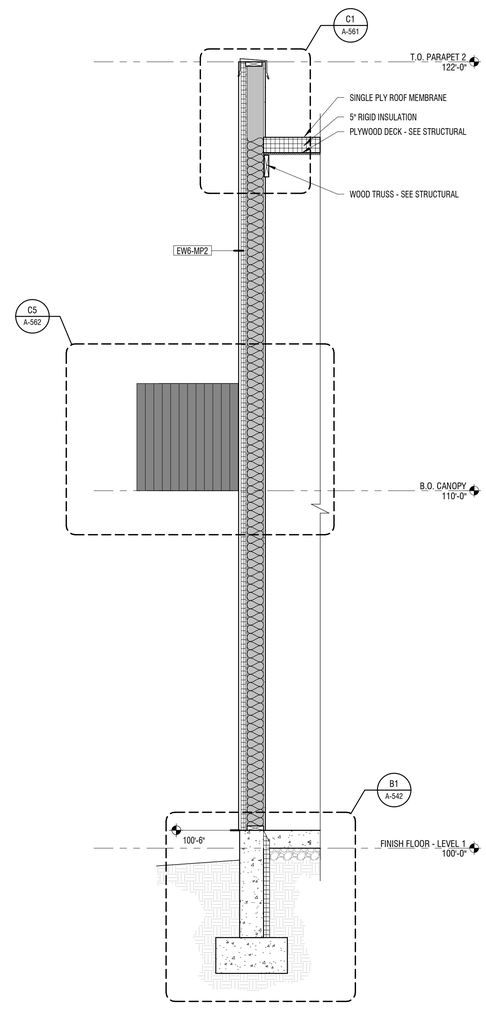
A2 WALL SECTION

1/2" = 1'-0" A2/A-301



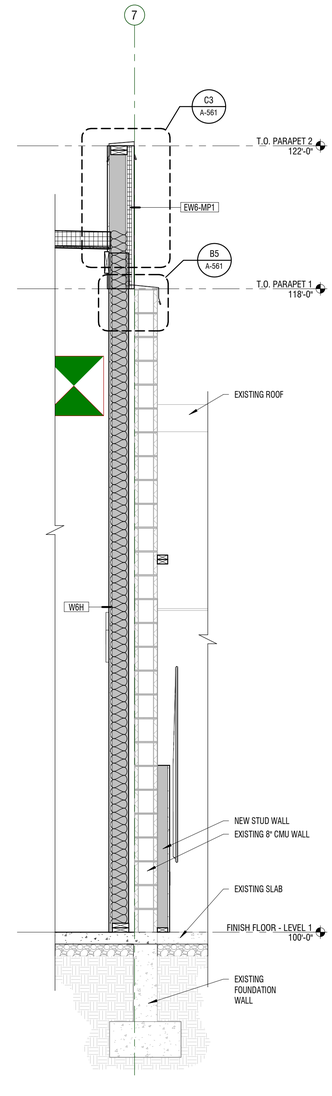
A3 WALL SECTION

1/2" = 1'-0" B3/A-302



A4 WALL SECTION

1/2" = 1'-0" B3/A-302



A5 WALL SECTION

1/2" = 1'-0" A3/A-302

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

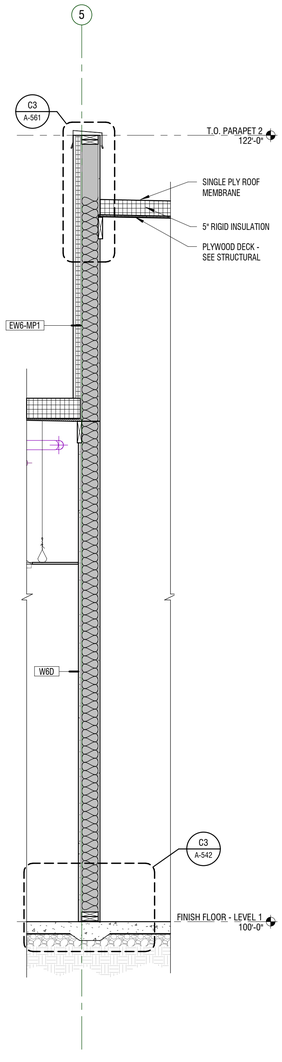
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

WALL SECTIONS

A-342

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

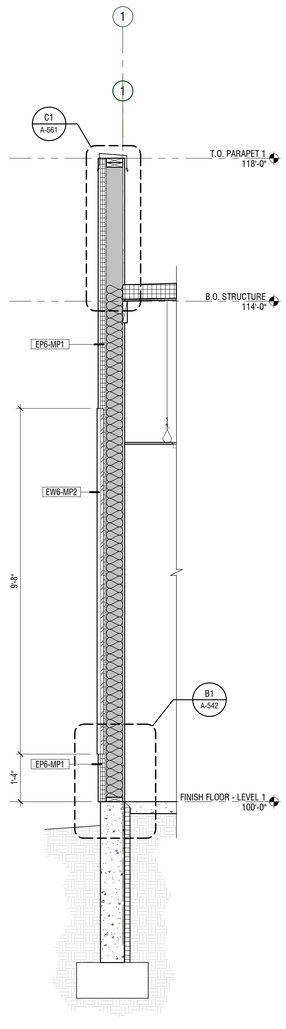
5/30/2025 1:57:21 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD ECC Preschool Addition_REVIT.rvt



A1 WALL SECTION

1/2" = 1'-0"

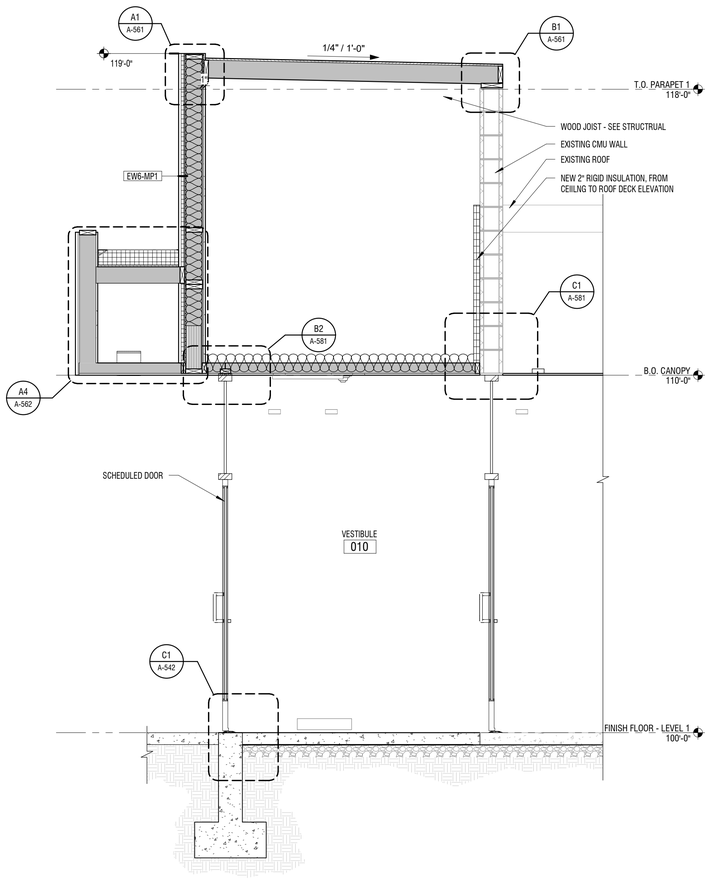
A3/A-302



A2 WALL SECTION

1/2" = 1'-0"

A3/A-302



A3 WALL SECTION

1/2" = 1'-0"

C3/A-343

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

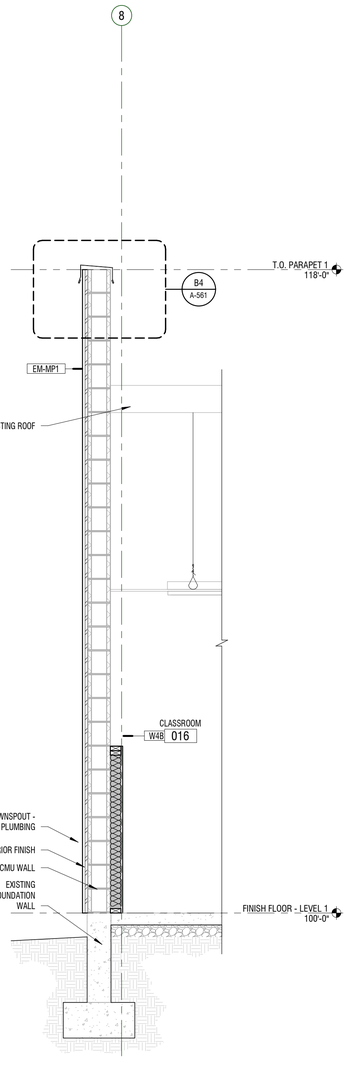
PROJECT #:	125054
DRAWN BY:	FRANKS
CHECKED BY:	RIGBY
ISSUED:	05.29.2025

WALL SECTIONS

A-343

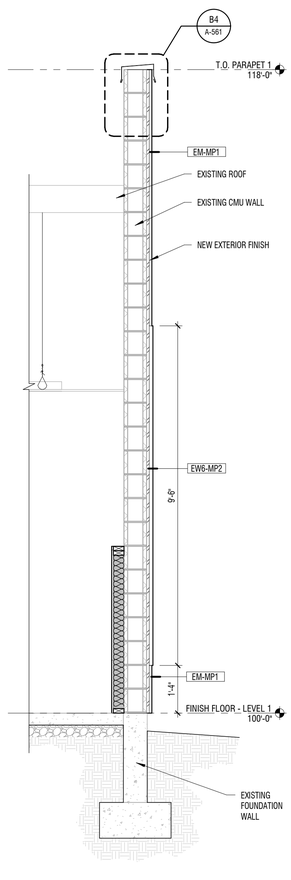
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:37:21 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21.rvt



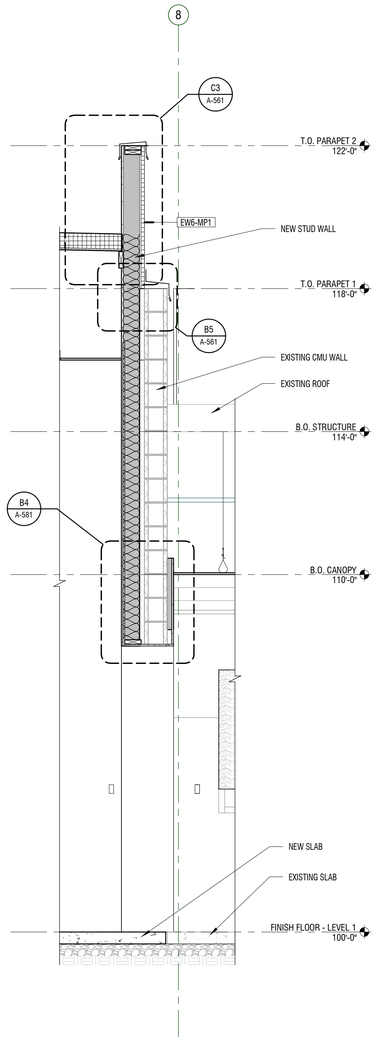
A1 WALL SECTION

1/2" = 1'-0" B2/A-301



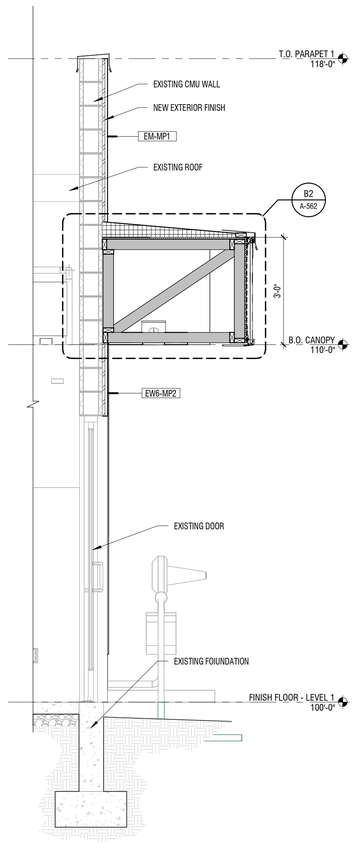
A2 WALL SECTION

1/2" = 1'-0" B2/A-302



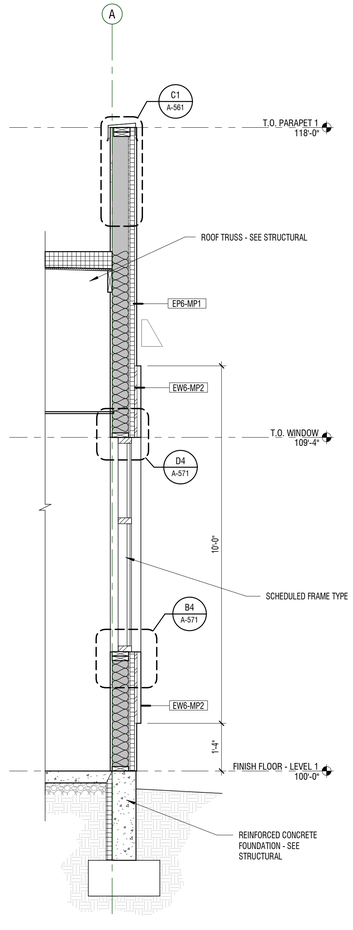
A3 WALL SECTION

1/2" = 1'-0" A2/A-301



A4 WALL SECTION

1/2" = 1'-0" A2/A-301



A5 WALL SECTION

1/2" = 1'-0" B1/A-303

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

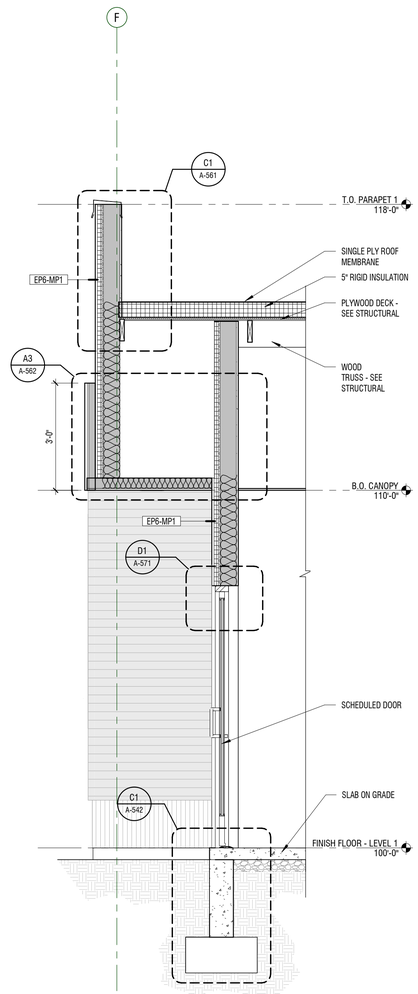
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

WALL SECTIONS

A-344

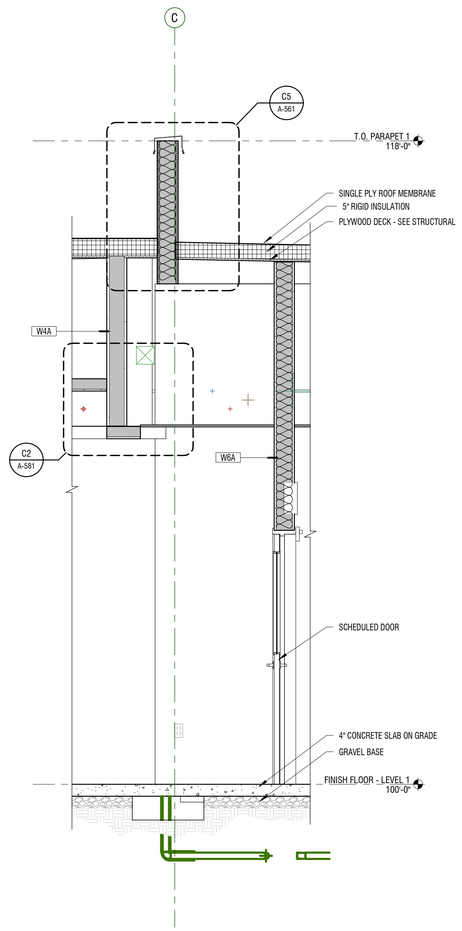
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 3:37:27 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21.rvt



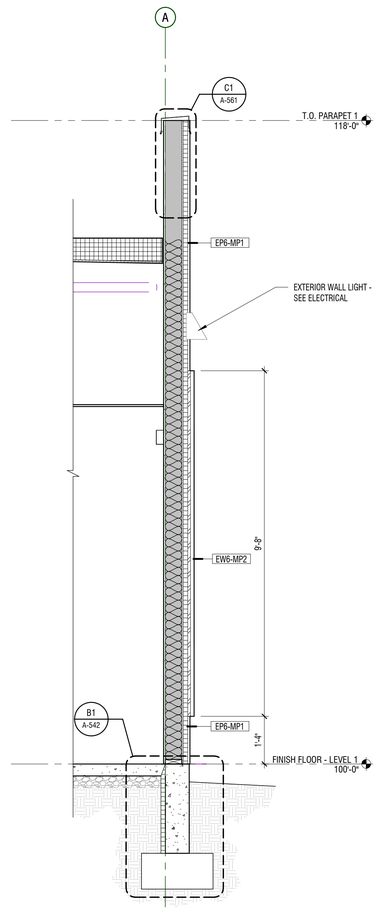
A1 WALL SECTION

1/2" = 1'-0" A1/A-303



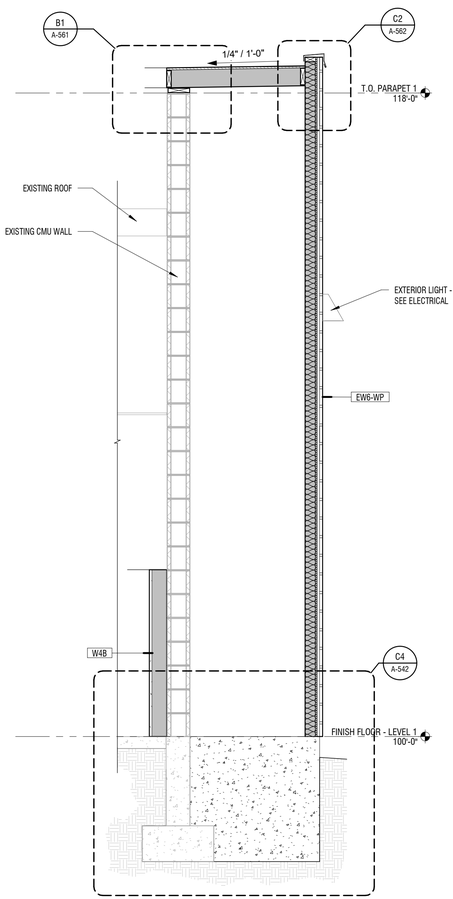
A2 WALL SECTION

1/2" = 1'-0" A1/A-303



A3 WALL SECTION

1/2" = 1'-0" A1/A-303



A4 WALL SECTION

1/2" = 1'-0" A1/A-541

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

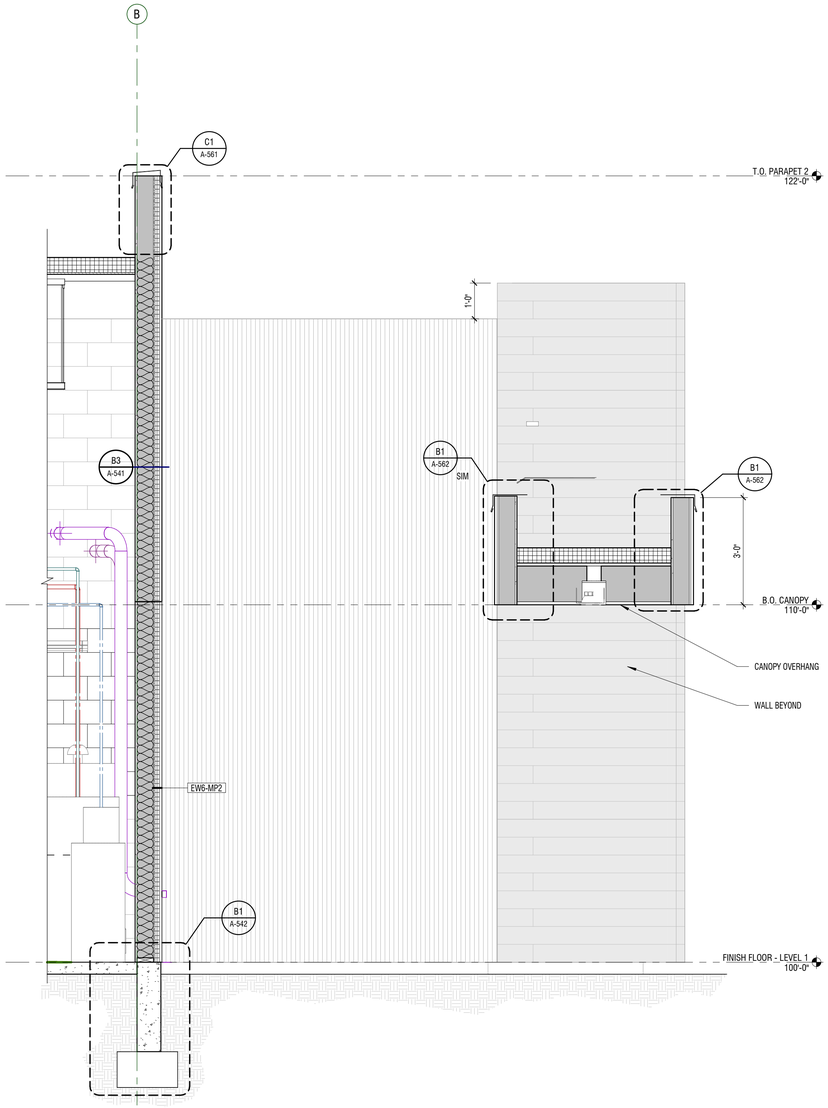
CONSTRUCTION DOCUMENTS

WALL SECTIONS

A-345

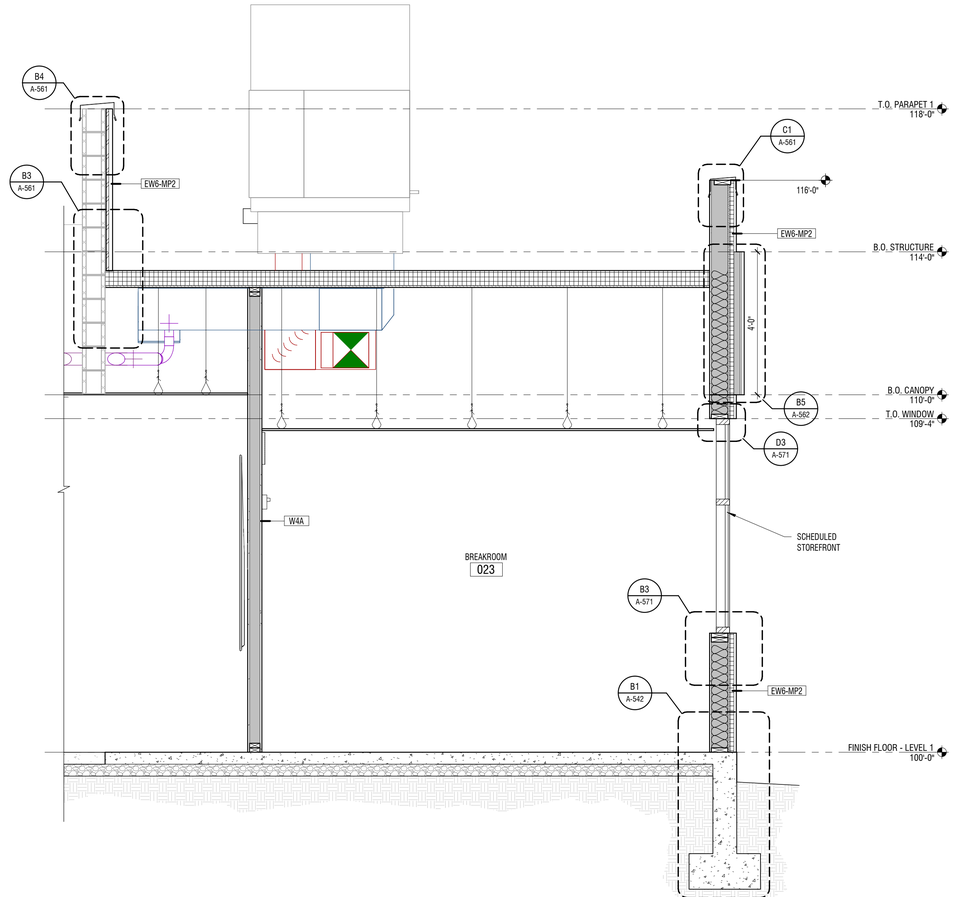
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:39 PM Autodesk Docs://125054 - LCSD- ECC Preschool Addition/125054 - LCSD- ECC Preschool Addition_R24.rvt



A1 WALL SECTION

1/2" = 1'-0" B3/A-302



A3 WALL SECTION

1/2" = 1'-0" C3/A-343

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

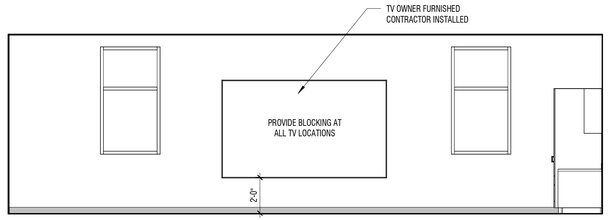
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

WALL SECTIONS

A-346

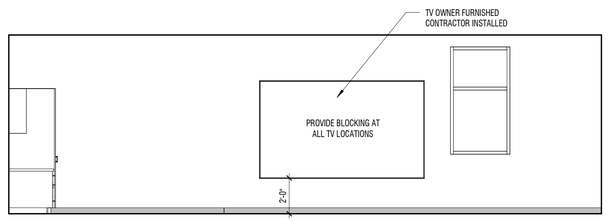
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:13 PM Autodesk Docs://125054 - LCSD- ECC Preschool Addition/125054 - LCSD- ECC Preschool Addition_R24.rvt



D1 INTERIOR ELEVATION

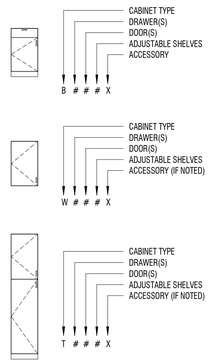
1/4" = 1'-0" CLASSROOM 109 - WEST



D3 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 107 - EAST

CASEWORK KEY



NOTES:

CABINET TYPE
- B BASE CABINET
- W WALL CABINET
- T TALL CABINET
- SB SINK BASE CABINET
- MB MICROWAVE BASE CABINET

DRAWER
- # DENOTES NUMBER OF TOTAL DRAWERS

DOOR
- # DENOTES NUMBER OF TOTAL DOORS

ADJUSTABLE SHELVES
- # DENOTES NUMBER OF TOTAL SHELVES

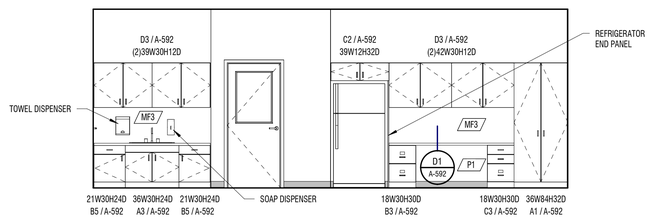
ACCESSORY
- L LOCKS AT DOOR(S)/DRAWER(S)
- F FILE DRAWER(S)
- V VENTED DOOR
- R REV-A-SHELF OR EQUAL GARBAGE PULLOUT DRAWER
- - DENOTES NO ACCESSORY

CASEWORK TAG

18W24D — SIZE
B111- — IDENTIFIER
A1/A-500 — DETAIL REFERENCE

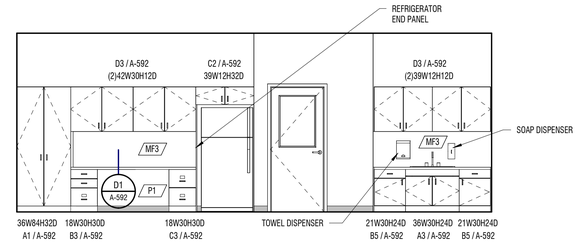
HADWARE
CABINET PULLS - *****

TOE KICK DIMENSIONS
STANDARD 4" U.N.O.



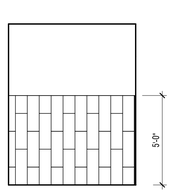
C1 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 107 - NORTH



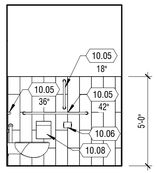
C3 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 109 - NORTH



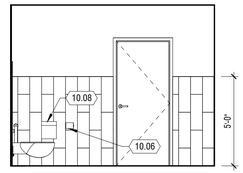
B1 INTERIOR ELEVATION

1/4" = 1'-0" TYPICAL FACILITY RESTROOM



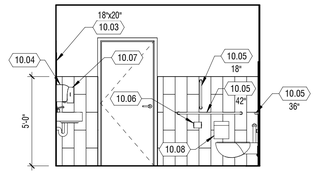
B2 INTERIOR ELEVATION

1/4" = 1'-0" TYPICAL FACILITY RESTROOM



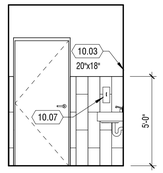
B3 INTERIOR ELEVATION

1/4" = 1'-0"



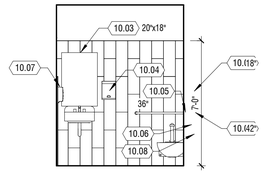
B4 INTERIOR ELEVATION

1/4" = 1'-0"



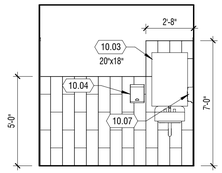
A1 INTERIOR ELEVATION

1/4" = 1'-0" TYPICAL FACILITY RESTROOM



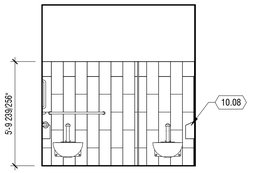
A2 INTERIOR ELEVATION

1/4" = 1'-0" TYPICAL FACILITY RESTROOM



A3 INTERIOR ELEVATION

1/4" = 1'-0"



A4 INTERIOR ELEVATION

1/4" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

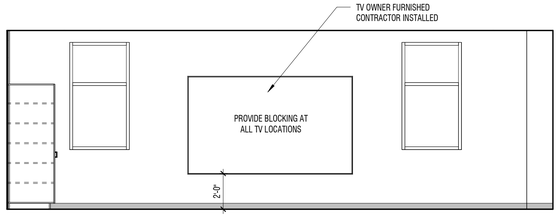
PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

INTERIOR ELEVATIONS

A-401

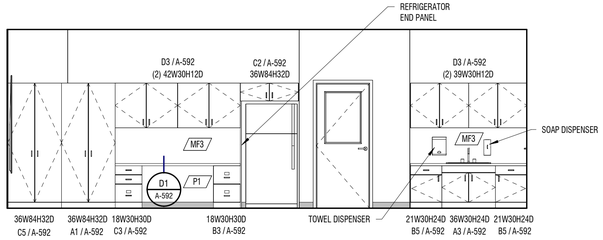
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:37 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD ECC Preschool Addition_R24.rvt



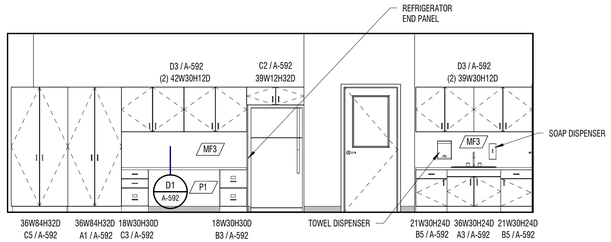
D1 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 117 - NORTH



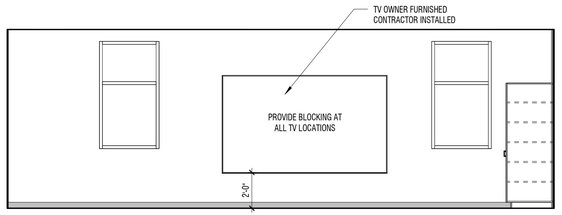
D3 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 116 - EAST



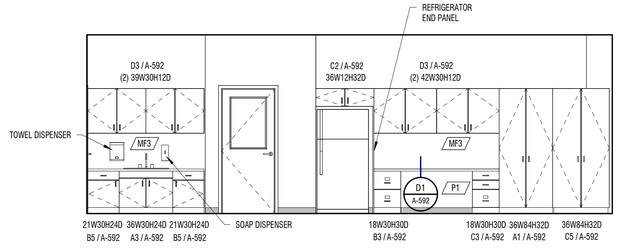
C1 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 113 - WEST



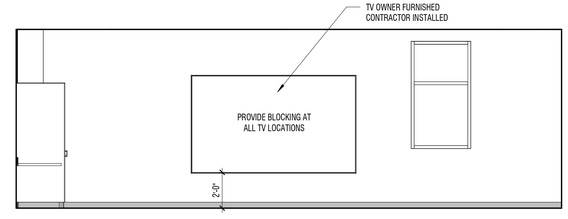
C3 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 116 - NORTH



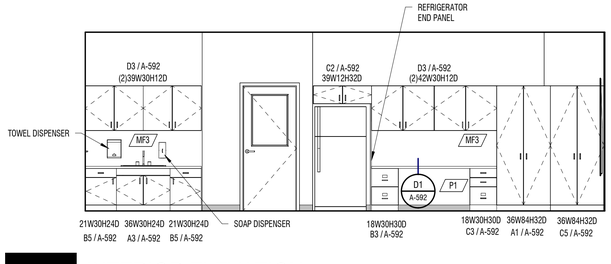
B1 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 112 - EAST



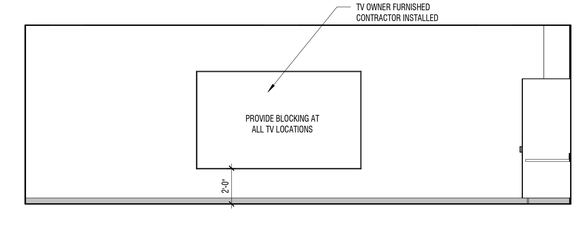
B3 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 112 - SOUTH



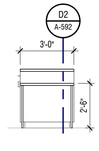
A1 INTERIOR ELEVATION

1/4" = 1'-0" CLASSROOM 117 - WEST



A3 INTERIOR ELEVATION

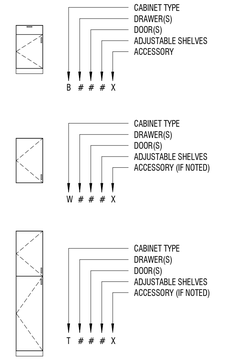
1/4" = 1'-0" CLASSROOM 113 - SOUTH



A4 INTERIOR ELEVATION

1/4" = 1'-0" WORKROOM 020

CASEWORK KEY



NOTES:

CABINET TYPE
- B BASE CABINET
- W WALL CABINET
- T TALL CABINET
- SB SINK BASE CABINET
- MB MICROWAVE BASE CABINET

DRAWER
- # DENOTES NUMBER OF TOTAL DRAWERS

DOOR
- # DENOTES NUMBER OF TOTAL DOORS

ADJUSTABLE SHELVES
- # DENOTES NUMBER OF TOTAL SHELVES

ACCESSORY
- L LOCKS AT DOOR(S)/DRAWER(S)
- F FILE DRAWER(S)
- V VENTED DOOR
- R REV-A-SHELF OR EQUAL GARBAGE PULLOUT DRAWER
- - DENOTES NO ACCESSORY

CASEWORK TAG

18W24D — SIZE
B111- — IDENTIFIER
A1/A-500 — DETAIL REFERENCE

HADWARE
CABINET PULLS - *****

TOE KICK DIMENSIONS
STANDARD 4" U.N.O.

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

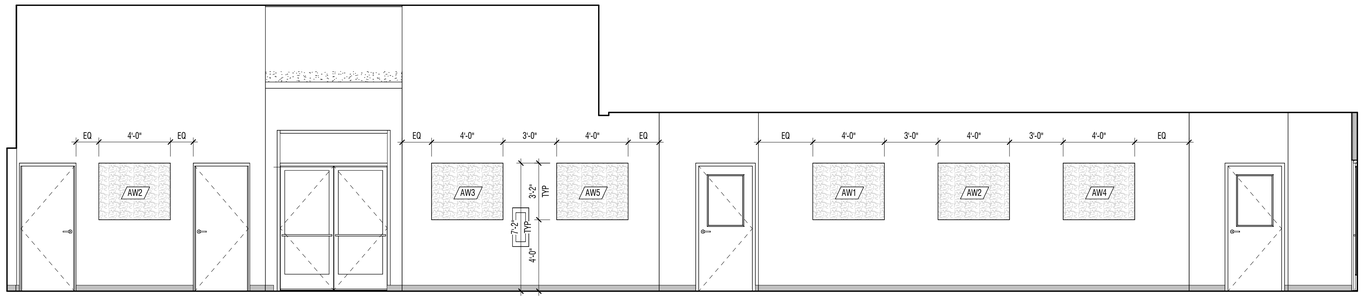
CONSTRUCTION DOCUMENTS

INTERIOR ELEVATIONS

A-402

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

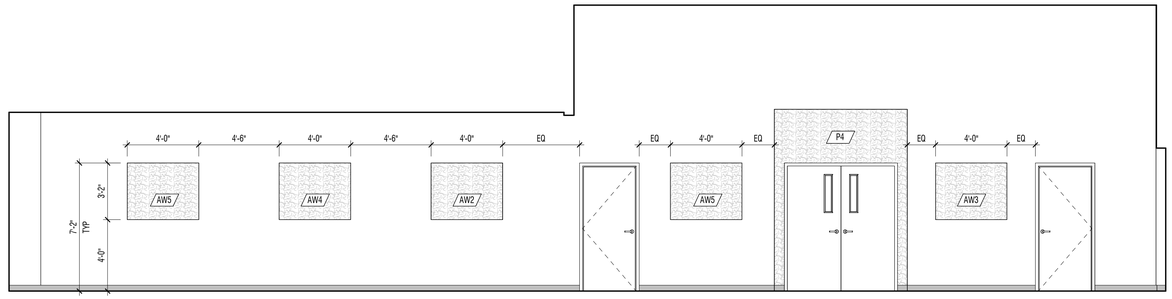
5/30/2025 1:37:41 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21.rvt



D1 INTERIOR ELEVATION

1/4" = 1'-0"

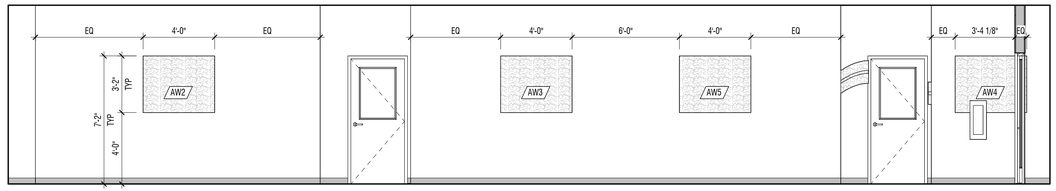
CORRIDOR 110 - SOUTH



C1 INTERIOR ELEVATION

1/4" = 1'-0"

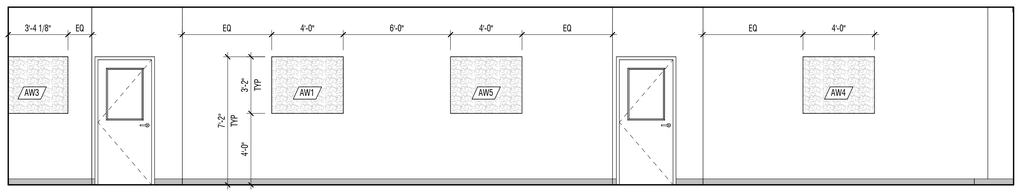
CORRIDOR 110 - NORTH



B1 INTERIOR ELEVATION

1/4" = 1'-0"

CORRIDOR 110 - WEST

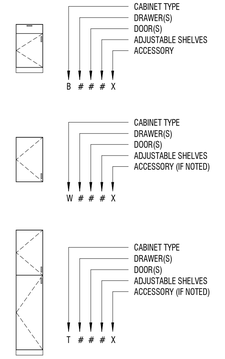


A1 INTERIOR ELEVATION

1/4" = 1'-0"

CORRIDOR 110 - EAST

CASEWORK KEY



NOTES:

CABINET TYPE
- B BASE CABINET
- W WALL CABINET
- T TALL CABINET
- SB SINK BASE CABINET
- MB MICROWAVE BASE CABINET

DRAWER
- # DENOTES NUMBER OF TOTAL DRAWERS

DOOR
- # DENOTES NUMBER OF TOTAL DOORS

ADJUSTABLE SHELVES
- # DENOTES NUMBER OF TOTAL SHELVES

ACCESSORY
- L LOCKS AT DOOR(S)/DRAWER(S)
- F FILE DRAWER(S)
- V VENTED DOOR
- R REV-A-SHELF OR EQUAL GARBAGE PULLOUT DRAWER
- - DENOTES NO ACCESSORY

CASEWORK TAG



- SIZE
- IDENTIFIER
- DETAIL REFERENCE

HADWARE

CABINET PULLS - *****

TOE KICK DIMENSIONS

STANDARD 4" U.N.O.

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	Author
CHECKED BY:	Checker
ISSUED:	05.29.2025

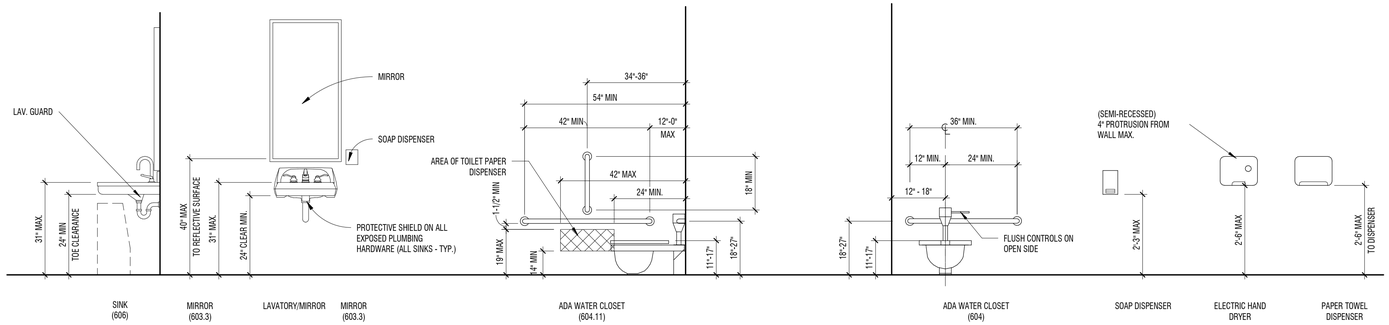
CONSTRUCTION DOCUMENTS

INTERIOR ELEVATIONS

A-404

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:14 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt



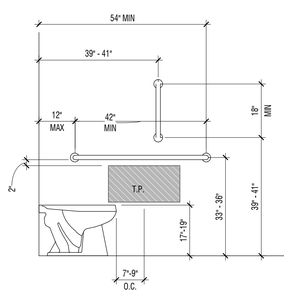
ADA CHILDREN'S REACH RANGES (ADA 308.1)			
FORWARD OR SIDE REACH RANGE	AGES 3-4	AGES 5-8	AGES 9-12
HIGH (MAXIMUM)	36 IN	40 IN	44 IN
LOW (MINIMUM)	20 IN	18 IN	16 IN
ADVISORY SPECIFICATIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THROUGH 12 (ADA 604.9)			
	AGES 3-4	AGES 5-8	AGES 9-12
WATER CLOSET ℄	12 IN	12 TO 15 IN	15 TO 18 IN
TOILET SEAT HEIGHT	11 TO 12 IN	12 TO 15 IN	15 TO 17 IN
GRAB BAR HEIGHT	18 TO 20 IN	20 TO 25 IN	25 TO 27 IN
DISPENSER HEIGHT	14 IN	14 TO 17 IN	17 TO 19 IN

NOTES:
- CHILDRENS TOE CLEARANCE IS 12" AFF SEE FIGURE 604.8.1.4
- ACCESSORIES IN INDIVIDUAL TOILET ROOMS TO BE MOUNTED AT ACCESSIBLE HEIGHTS
- ONE ITEM OF EACH ACCESSORY IN MULTIPLE RESTROOMS TO BE MOUNTED PER ADA REQUIREMENTS
- ITEMS SHOWN ARE FOR INFORMATION ONLY. GENERALCONTRACTOR TO VERIFY ALL APPLICABLE ITEMS, W/ADA

KEYNOTES

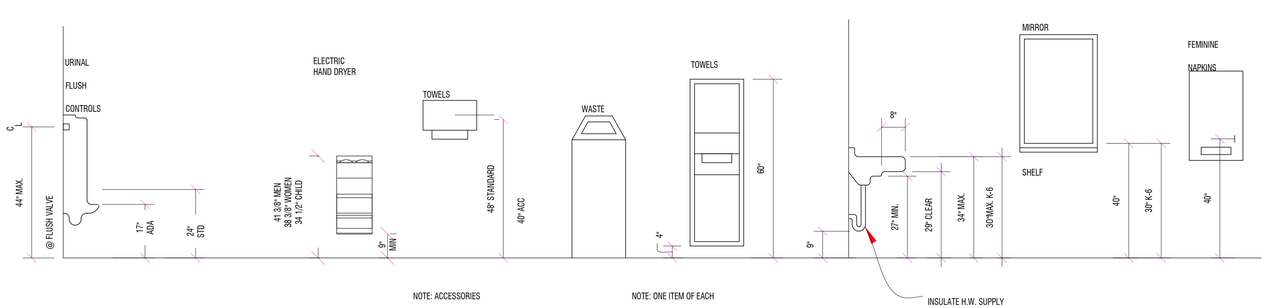
# MARK	DESCRIPTION
10.03	MIRROR - SIZE INDICATED ON PLAN - CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
10.04	PAPER TOWEL DISPENSER - OWNER FURNISHED, CONTRACTOR INSTALLED
10.05	GRAB BAR - LENGTH INDICATED ON PLAN - CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
10.06	TOILET TISSUE DISPENSER - OWNER FURNISHED, CONTRACTOR INSTALLED
10.07	SOAP DISPENSER - OWNER FURNISHED, CONTRACTOR INSTALLED

WATER CLOSETS



WATER CLOSETS GENERAL NOTES:

A. 17"-19" AT TOP OF TOILET SEAT A.F.F.
B. TOILET PAPER 24" MIN FROM WALL, 42" MAX FROM WALL, 7-9" OC FROM FRONT OF TOILET BOWL.
C. TOILET PAPER MUST BE 2" BELOW BOTTOM OF GRAB BAR.



NOTE: ACCESSORIES IN INDIVIDUAL TOILET ROOMS TO BE MOUNTED AT ACCESSIBLE HEIGHTS

NOTE: ONE ITEM OF EACH ACCESSORY IN MULTIPLE RESTROOMS TO BE MOUNTED PER ADA REQUIREMENTS

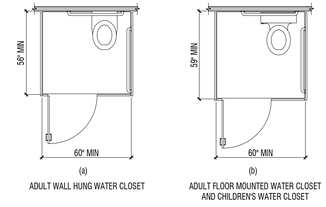


FIGURE 604.8.1.1 SIZE OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

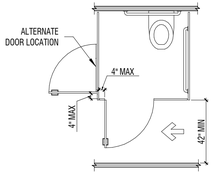


FIGURE 604.8.1.2 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT DOORS

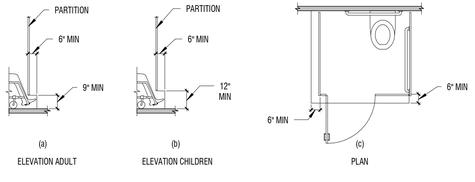


FIGURE 604.8.1.4 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE

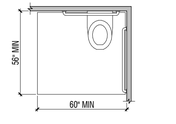


FIGURE 604.3.1 SIZE OF CLEARANCE AT WATER CLOSETS

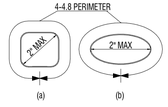


FIGURE 609.2.2 GRAB BAR NON-CIRCULAR CROSS SECTION

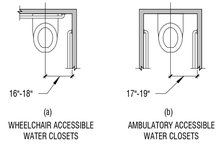


FIGURE 604.2 WATER CLOSET LOCATION

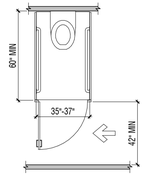
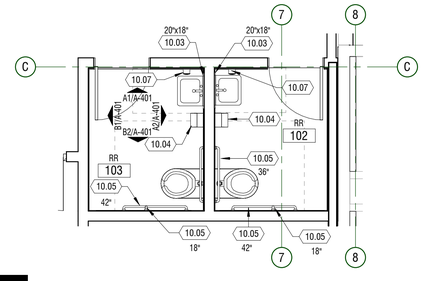
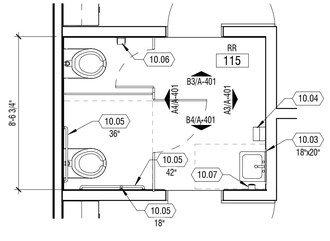


FIGURE 604.8.2 AMBULATORY ACCESSIBLE TOILET COMPARTMENT



B3 ENLARGED RR PLAN

1/4" = 1'-0" RR 102, 103



A3 ENLARGED RR PLAN

1/4" = 1'-0" RR 108, 114,115

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

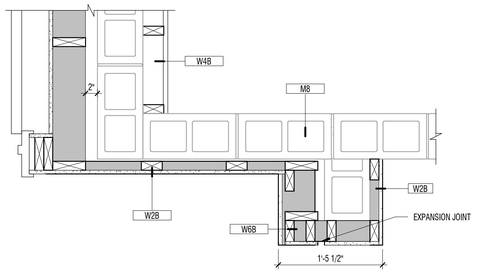
CONSTRUCTION DOCUMENTS

ENLARGED PLANS

A-421

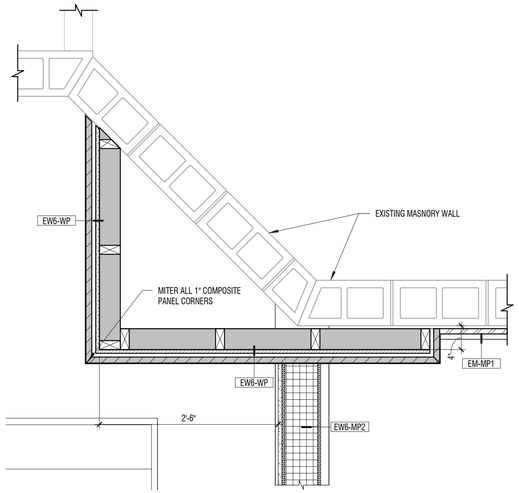
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:37:41 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21 V2.rvt



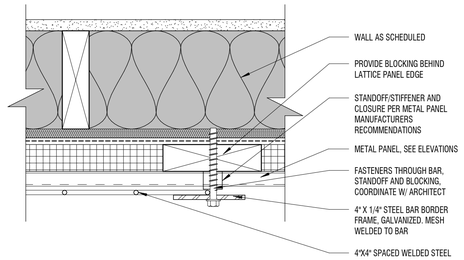
B1 BUILDING DETAIL

1" = 1'-0"



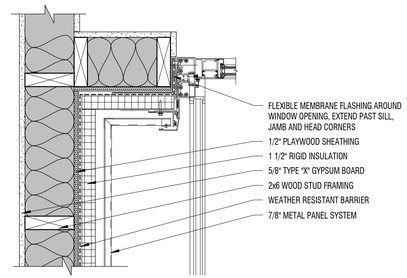
B2 BUILDING DETAIL

1" = 1'-0"



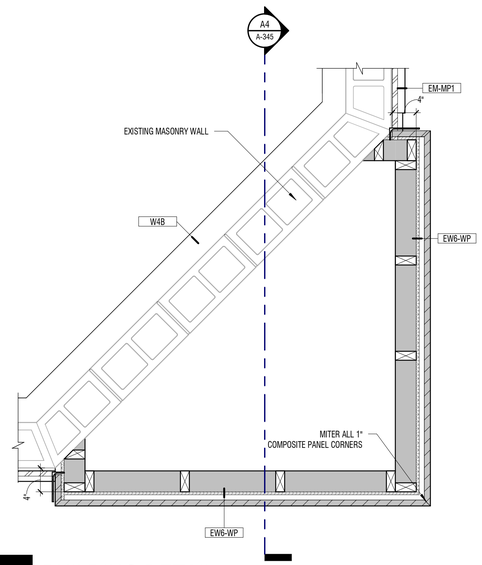
B3 LATTICE CONNECTION DETAIL

3" = 1'-0"



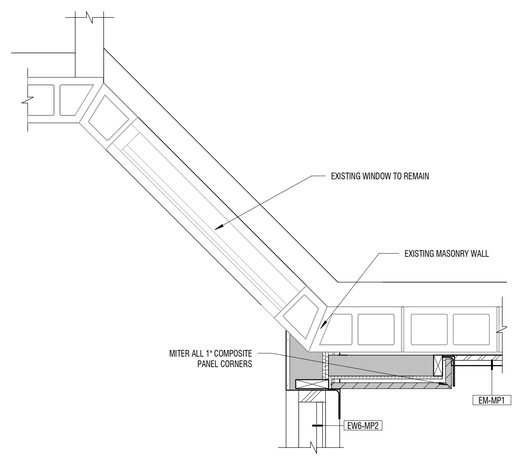
B4 BUILDING DETAIL

1 1/2" = 1'-0"



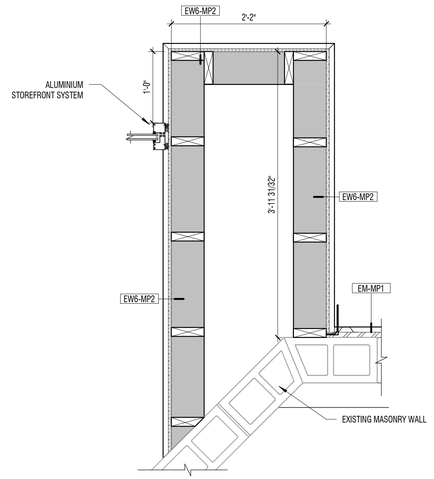
A1 BUILDING DETAIL

1" = 1'-0"



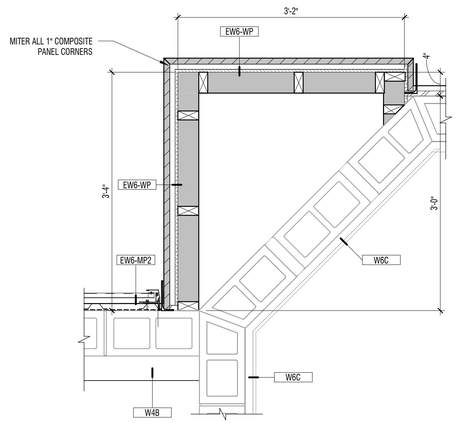
A2 BUILDING DETAIL

1" = 1'-0"



A3 BUILDING DETAIL

1" = 1'-0"



A4 BUILDING DETAIL

1" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

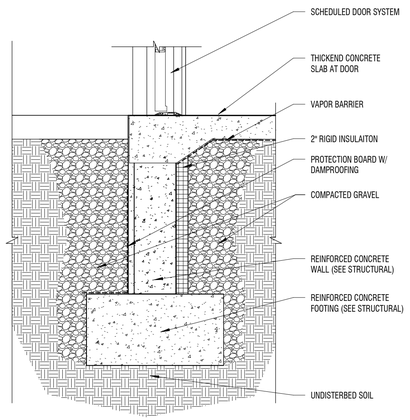
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

BUILDING DETAILS

A-541

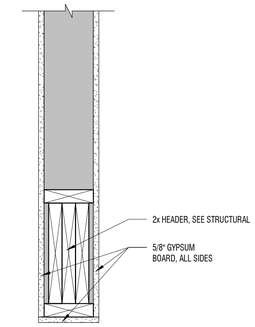
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:48 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition_R24.rvt



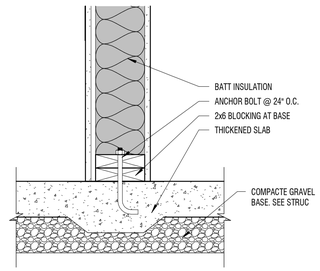
C1 DOOR AT FOUNDATION WALL

1" = 1'-0"



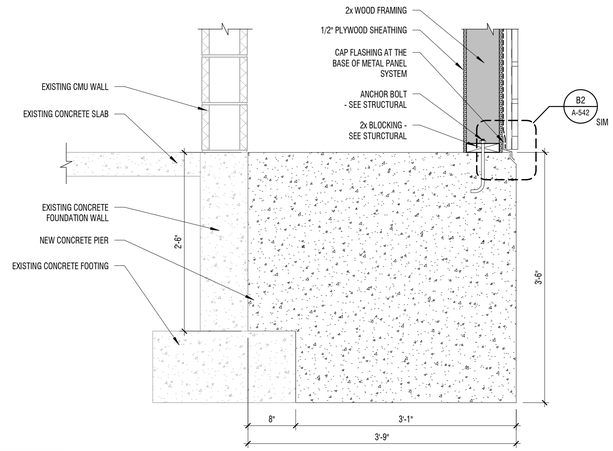
C2 HEAD DETAIL

1 1/2" = 1'-0"



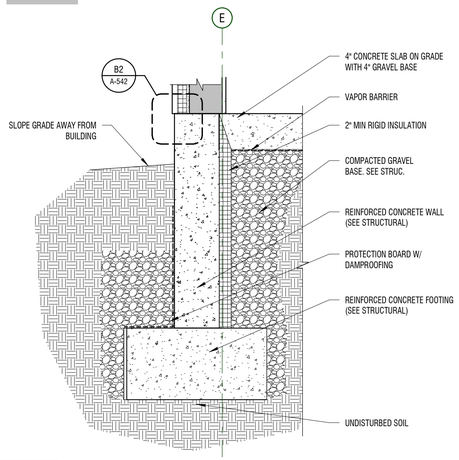
C3 WOOD STUD WALL AT SLAB

1 1/2" = 1'-0"



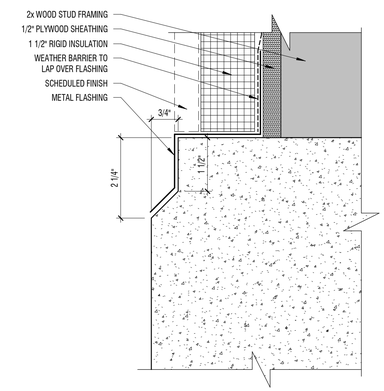
C4 FOUNDATION DETAIL

1" = 1'-0" A1/A-541



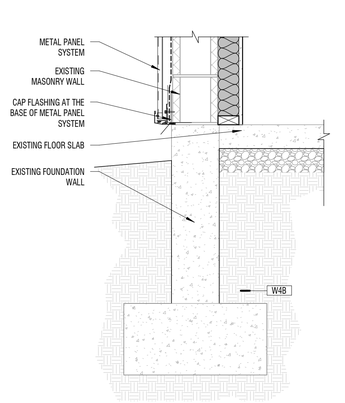
B1 SIPS WALL AT FOUNDATION

1" = 1'-0"



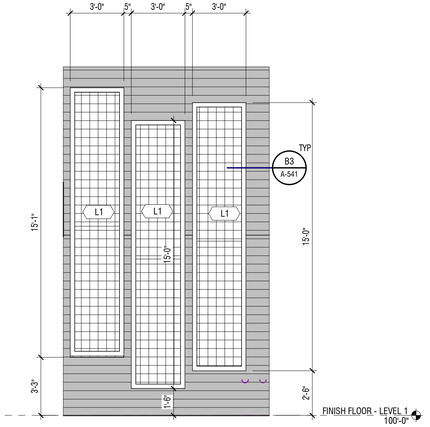
B2 CHAMFER DETAIL

6" = 1'-0"



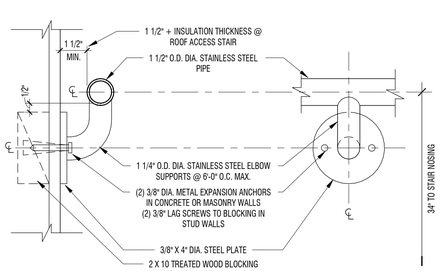
B3 EXISTING FOUNDATION

1" = 1'-0" C3/A-302



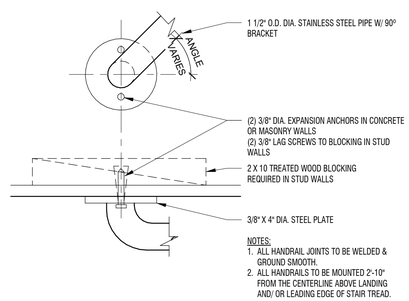
B4 ENLARGED ELEVATION

1/4" = 1'-0"



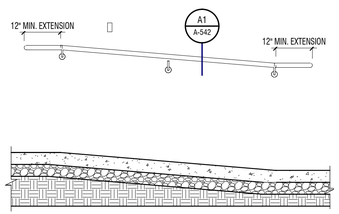
A1 MID-RAIL DETIAL

3" = 1'-0"



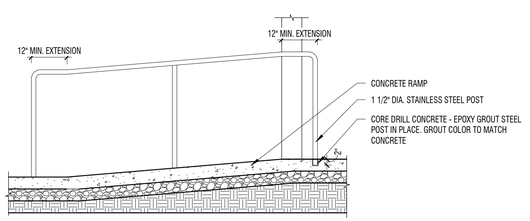
A2 TYPICAL HANDRAIL DETIAL

3" = 1'-0"



A3 HANDRAIL DETAIL

1/2" = 1'-0"



A4 RAMP DETAIL

1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

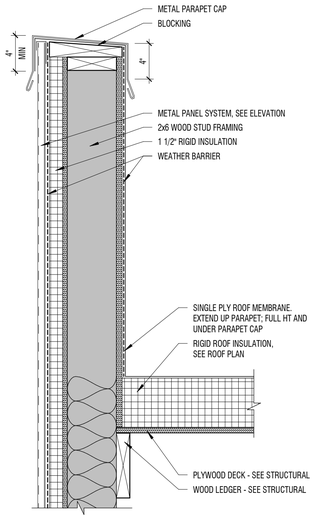
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

BUILDING DETAILS

A-542

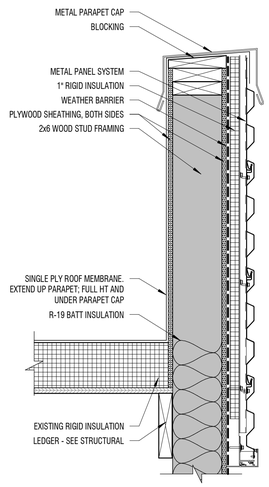
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:39 PM Autodesk Docs://125054 - LCSD EEC Preschool Addition/125054 - LCSD - EEC Preschool Addition_R24.rvt



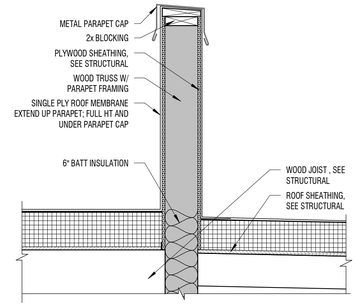
C1 PARAPET DETAIL

1 1/2" = 1'-0" A2/A-341



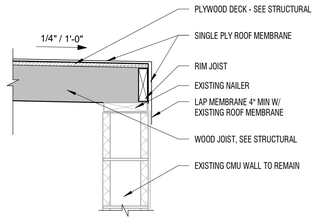
C3 PARAPET DETAIL

1 1/2" = 1'-0" A4/A-341



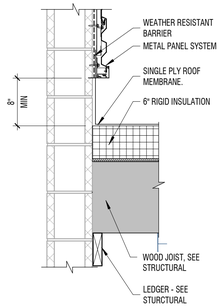
C5 PARAPET DETAIL

1" = 1'-0" A2/A-345



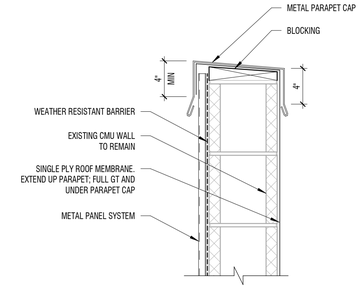
B1 BLOCK WALL AT ROOF

1" = 1'-0" A3/A-343



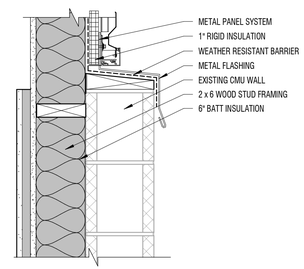
B3 ROOF DETAIL

1" = 1'-0" A4/A-343



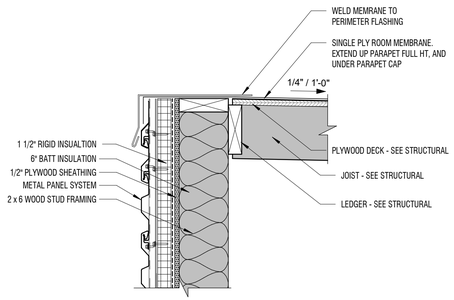
B4 PARAPET AT CMU WALL

1 1/2" = 1'-0" A3/A-341



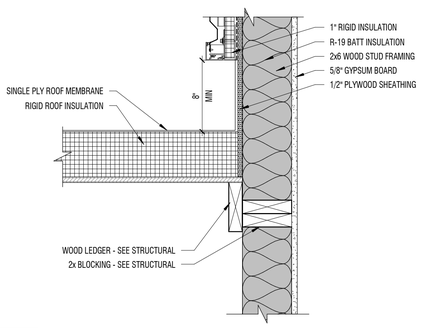
B5 CMU WALL AT STUD WALL

1 1/2" = 1'-0" A4/A-341



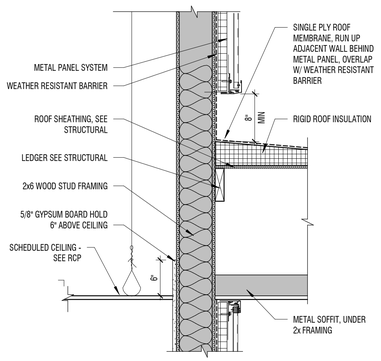
A1 ROOF DETAIL

1 1/2" = 1'-0"



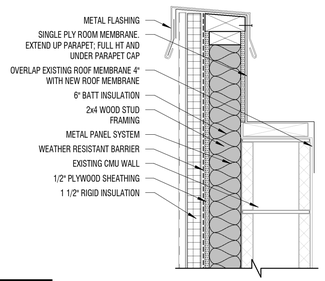
A3 MEMBRANE ROOF TO WOOD STUD

1 1/2" = 1'-0" A5/A-341



A4 WOOD TRUSS AT SIPS WALL

1" = 1'-0" A1/A-341



A5 ROOF DETAIL

1 1/2" = 1'-0"

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

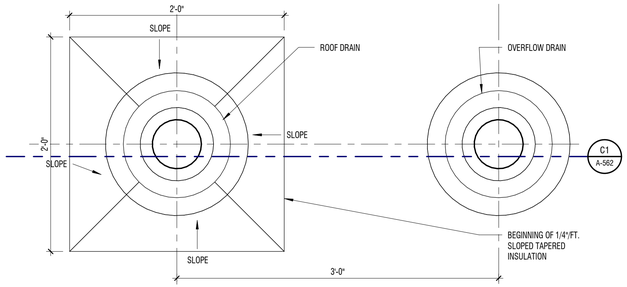
CONSTRUCTION DOCUMENTS

ROOF DETAILS

A-561

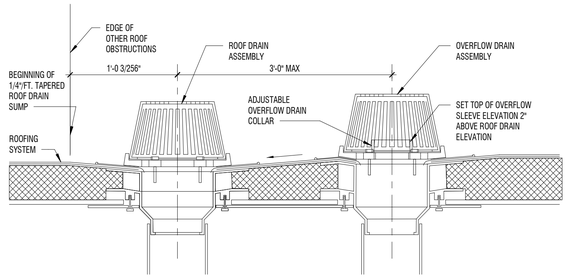
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:19 PM Autodesk Docs://125054 - LCSD- ECC Preschool Addition/125054 - LCSD- ECC Preschool Addition_R24.rvt



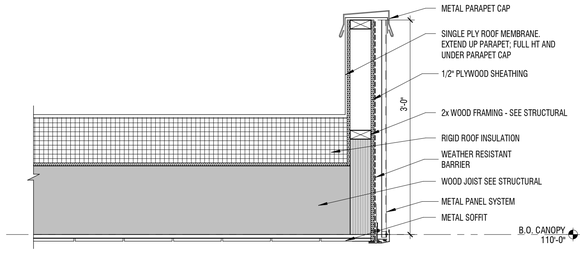
D1 ROOF DRAIN

1 1/2" = 1'-0"



C1 ROOF AND OVERFRLOW DRAIN SECTION

1 1/2" = 1'-0"

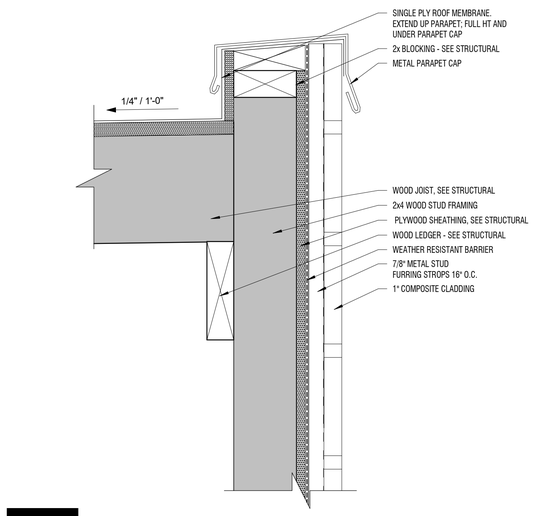


B1 CANOPY OPENING

1" = 1'-0" A1/A-346

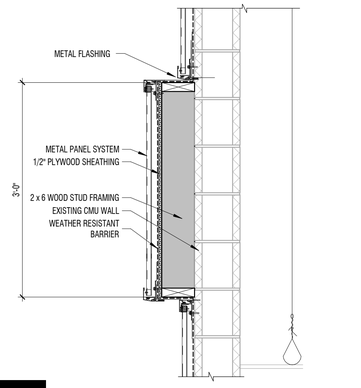
A1 ROOF TO SIPS WALL

1" = 1'-0"



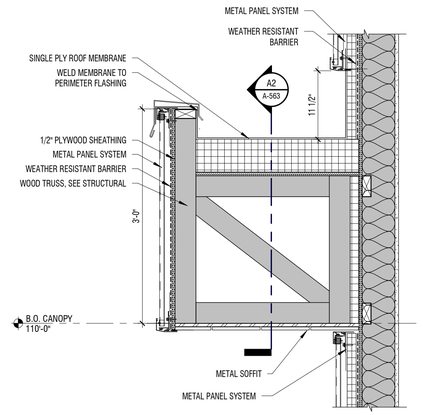
C2 ROOF AT TREX PANEL WALL

3" = 1'-0" A1/A-541



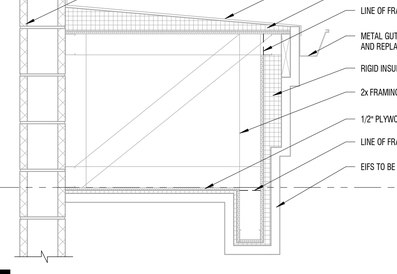
C3 CANOPY AT EXISTING CMU

1" = 1'-0"



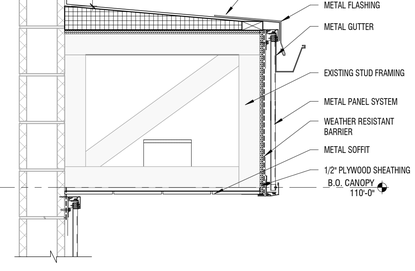
C5 CANOPY AT SIPS WALL

1" = 1'-0" B3/A-302



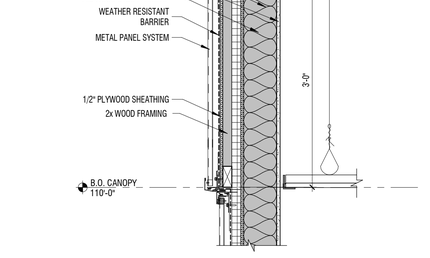
B2 CANOPY DETAIL

1" = 1'-0"



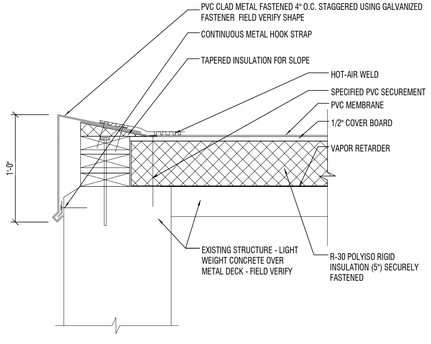
B3 CANOPY DETAIL

1" = 1'-0"



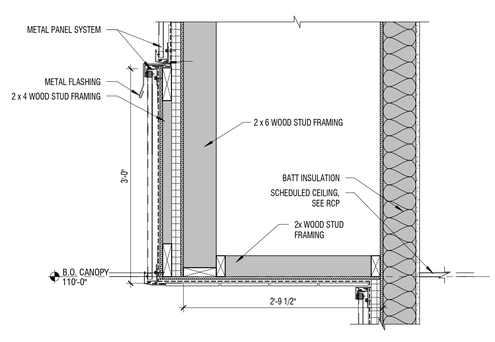
B5 CANOPY AT SIPS

1" = 1'-0" A2/A-341



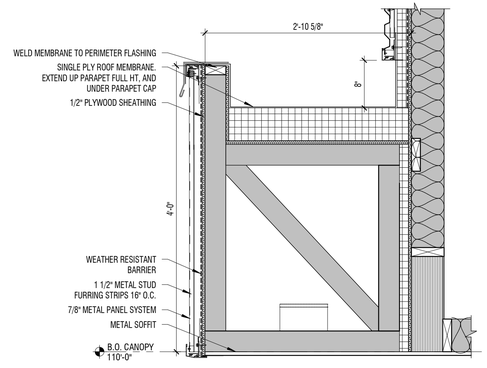
A2 PARAPET CAP

1 1/2" = 1'-0"



A3 ROOF DETAIL

1" = 1'-0"



A4 ROOF DETAIL

1" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

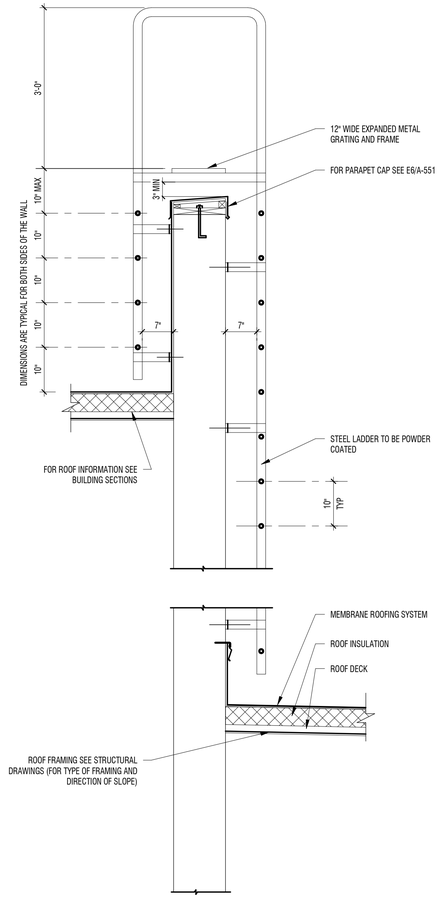
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

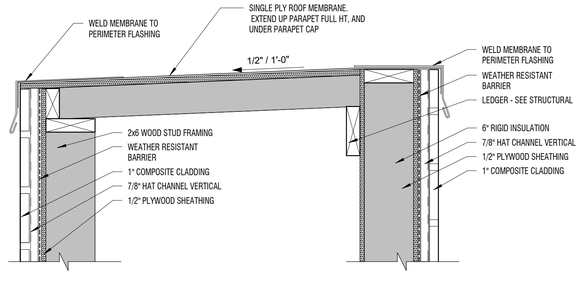
ROOF DETAILS

A-562

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:37 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition_R24.V2.rvt





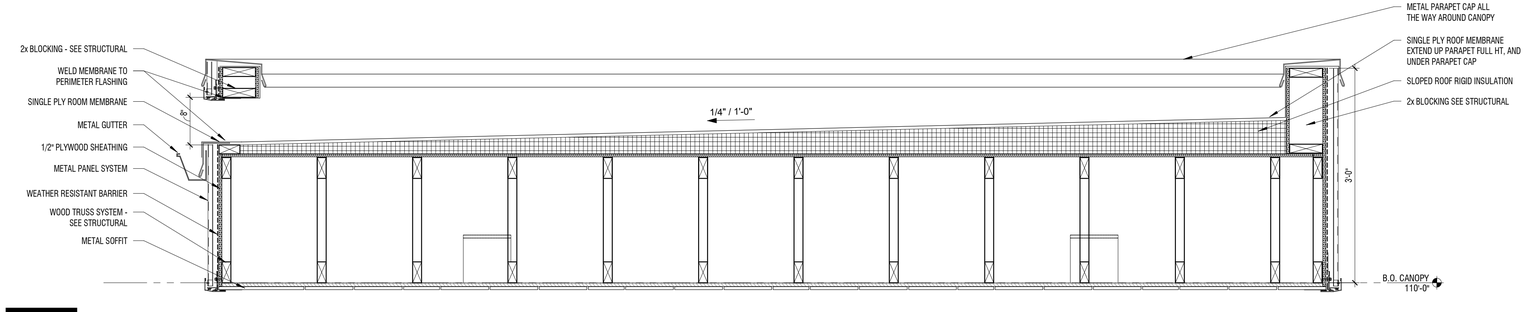
B2 MEMBRANE ROOF AT SIPS WALL

1 1/2" = 1'-0"

A1/A-341

B4 ROOF LADDER

3/4" = 1'-0"



A2 CANOPY DETAIL

1" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

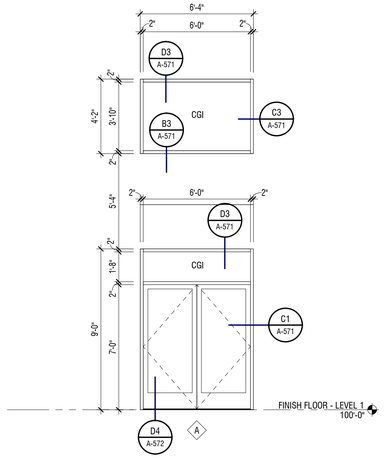
PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

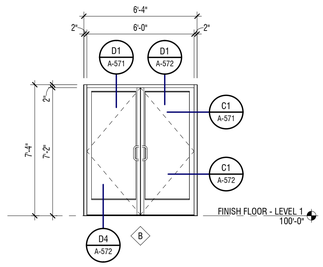
ROOF DETAILS

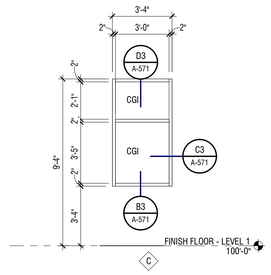
A-563

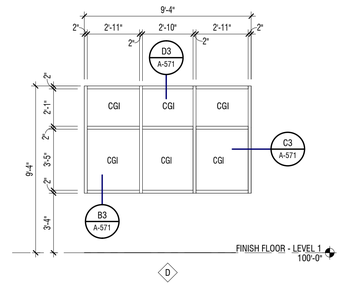
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

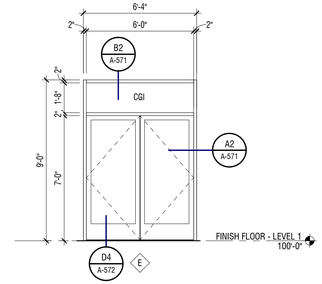
5/30/2025 1:57:37 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD ECC Preschool Addition_R24.rvt

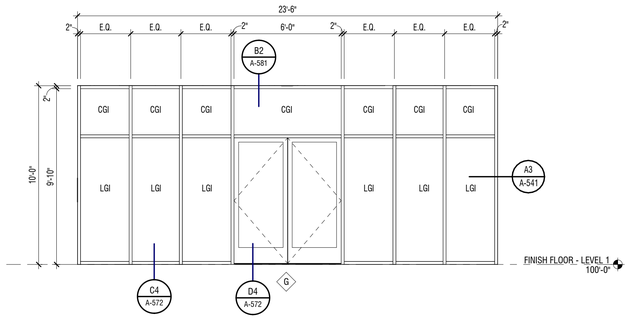


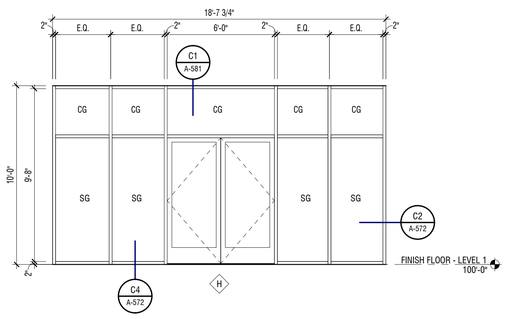


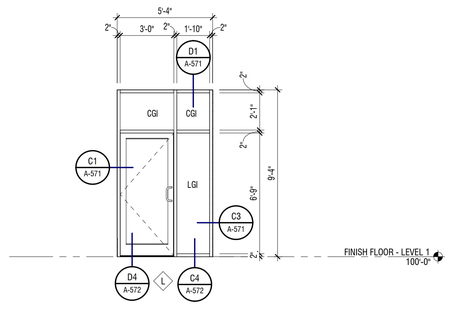












DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	Author
CHECKED BY:	Checker
ISSUED:	05.29.2025

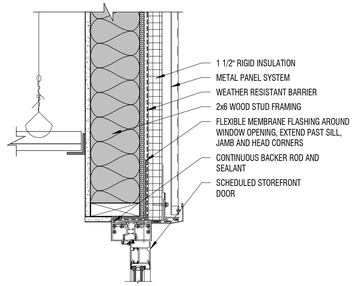
CONSTRUCTION DOCUMENTS

FRAME TYPES

A-570

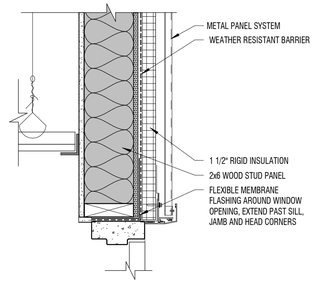
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:57:39 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.V2.rvt



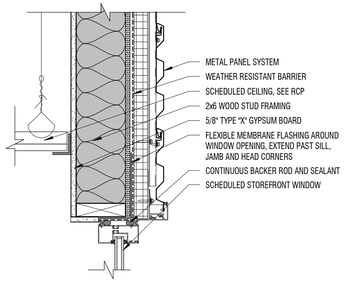
D1 HEAD DETAIL

1 1/2" = 1'-0"



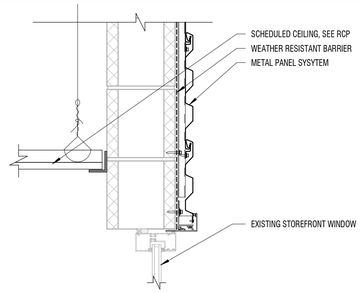
D2 HEAD DETAIL

1 1/2" = 1'-0"



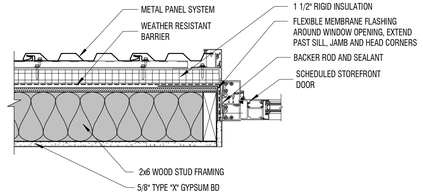
D3 HEAD DETAIL

1 1/2" = 1'-0"



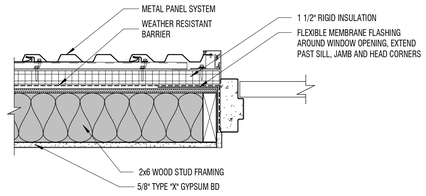
D4 HEAD DETAIL

1 1/2" = 1'-0"



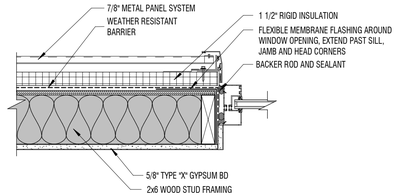
C1 JAMB DETAIL

1 1/2" = 1'-0"



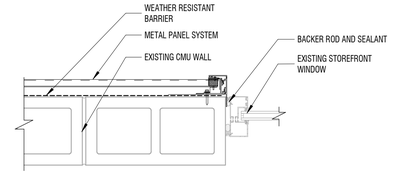
C2 JAMB DETAIL

1 1/2" = 1'-0"



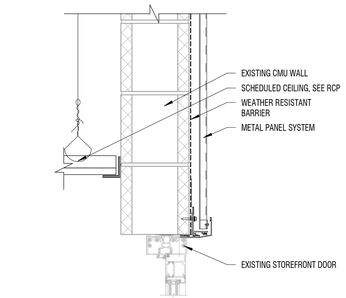
C3 DOOR JAMB

1 1/2" = 1'-0"



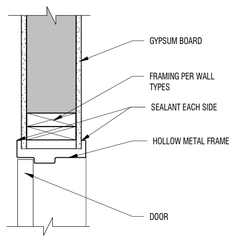
C4 JAMB DETAIL

1 1/2" = 1'-0"



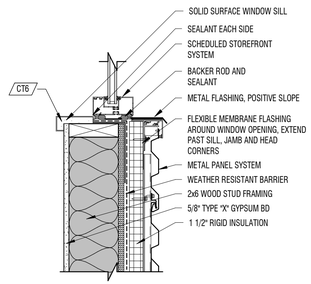
B1 HEAD DETAIL

1 1/2" = 1'-0"



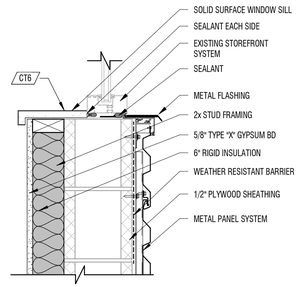
B2 INTERIOR DOOR HEAD

1 1/2" = 1'-0"



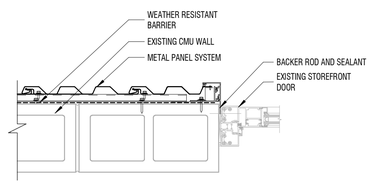
B3 SILL DETAIL

1 1/2" = 1'-0"



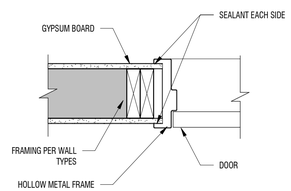
B4 SILL DETAIL

1 1/2" = 1'-0"



A1 HEAD DETAIL

1 1/2" = 1'-0"



A2 INTERIOR DOOR HEAD

1 1/2" = 1'-0"

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

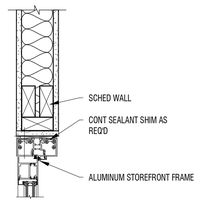
CONSTRUCTION DOCUMENTS

DOOR AND WINDOW DETAILS

A-571

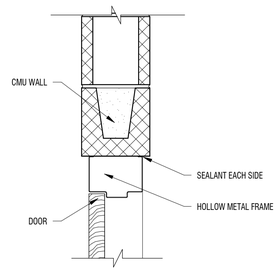
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 3:58:06 PM Autodesk Docs://125054 LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21 v2.rvt



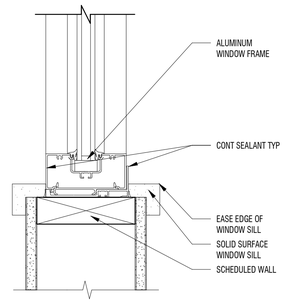
D1 HEAD DETAIL

1 1/2" = 1'-0"



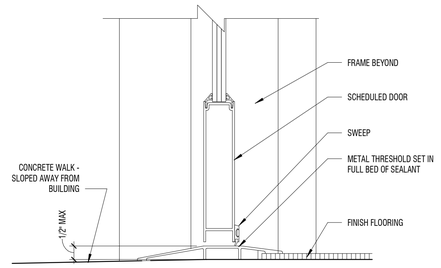
D2 HEAD DETAIL

1 1/2" = 1'-0"



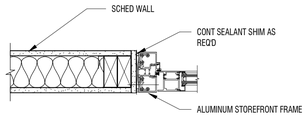
D3 INT WINDOW SILL

3" = 1'-0"



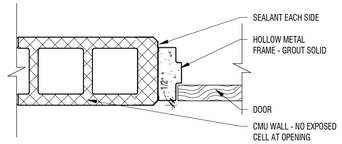
D4 EXT ADA THRESHOLD

3" = 1'-0"



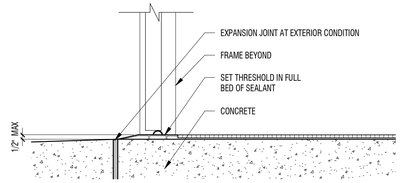
C1 JAMB DETAIL

1 1/2" = 1'-0"



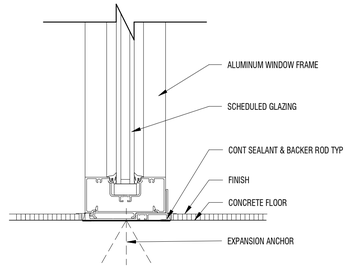
C2 JAMB DETAIL

1 1/2" = 1'-0"



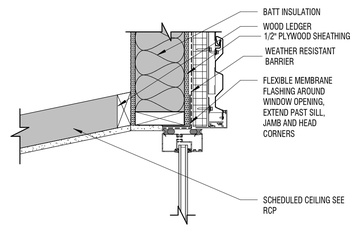
C3 HM DOOR THRESHOLD

1 1/2" = 1'-0"



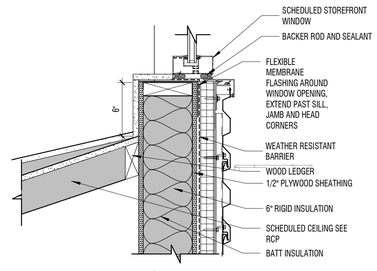
C4 INTERIOR WINDOW SILL

3" = 1'-0"



B5 WINDOW HEAD DETAIL

1 1/2" = 1'-0"



A5 WINDOW SILL DETIAL

1 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

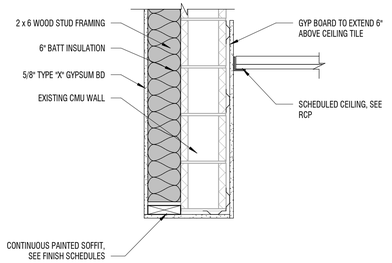
PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

DOOR AND WINDOW DETAILS

A-572

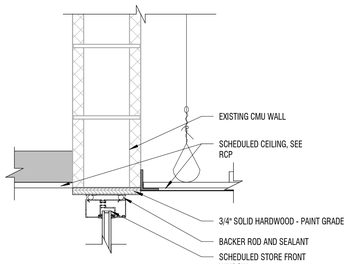
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 3:58:09 PM Autodesk Docs://125054 LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21 V2.rvt



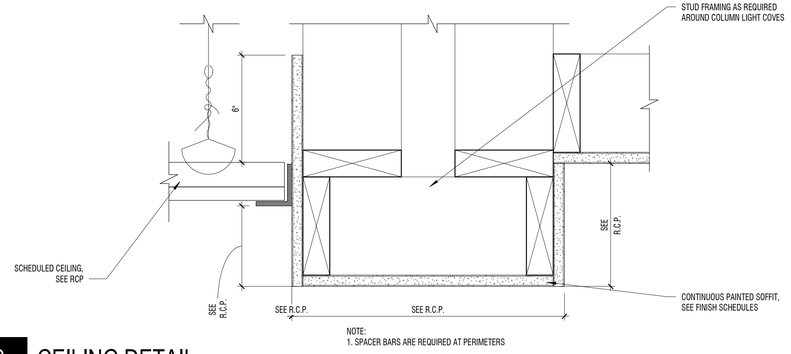
D1 CEILING DETAIL

1" = 1'-0"



C1 CEILING DETAIL

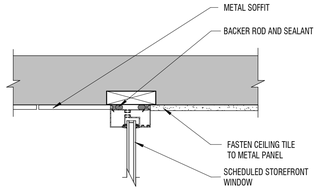
1 1/2" = 1'-0"



NOTE:
1. SPACER BARS ARE REQUIRED AT PERIMETERS

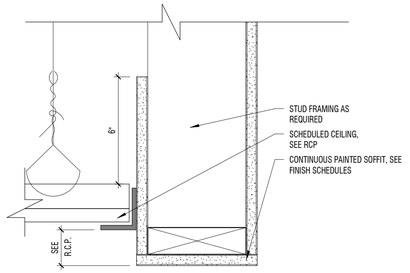
C2 CEILING DETAIL

3" = 1'-0"



B2 CEILING DETAIL

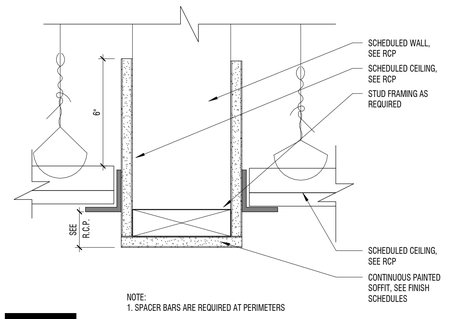
1 1/2" = 1'-0"



NOTE:
1. SPACER BARS ARE REQUIRED AT PERIMETERS

D4 CEILING DETAIL

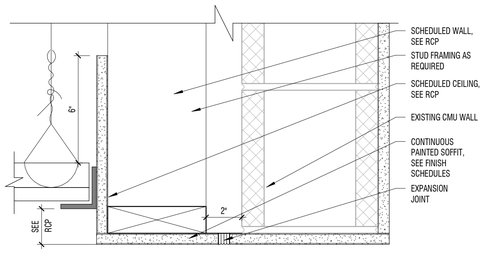
3" = 1'-0"



NOTE:
1. SPACER BARS ARE REQUIRED AT PERIMETERS

C4 CEILING DETAIL

3" = 1'-0"

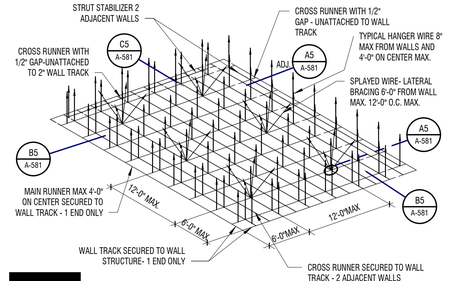


NOTE:
1. SPACER BARS ARE REQUIRED AT PERIMETERS

B4 CEILING DETAIL

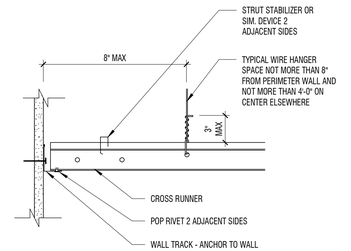
3" = 1'-0"

NOTE:
1. T-BAR SYSTEM TO BE HEAVY DUTY
2. SPACER BARS ARE REQUIRED AT PERIMETERS
3. SEISMIC JOINTS BE PROVIDED SUCH THAT NO SINGLE CEILING AREA IS LARGER THAN 2,500 SQUARE FEET



D5 CEILING DETAIL

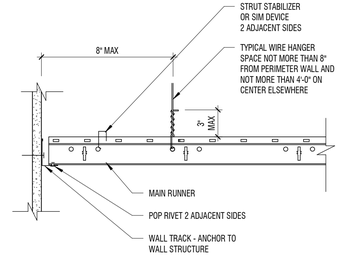
NTS LAYOUT



NOTE:
1. SPACER BARS ARE REQUIRED AT PERIMETERS

C5 CEILING DETAIL

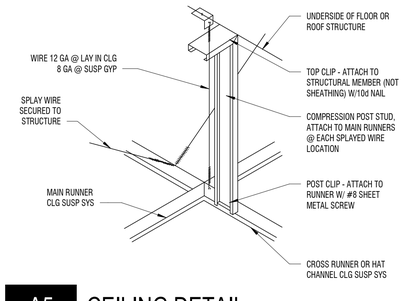
3" = 1'-0" CROSS PERIMETER



NOTE:
1. SPACER BARS ARE REQUIRED AT PERIMETERS

B5 CEILING DETAIL

3" = 1'-0" MAIN RUNNER



A5 CEILING DETAIL

3" = 1'-0" POST RUNNER

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

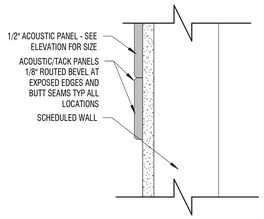
PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

CEILING DETAILS

A-581

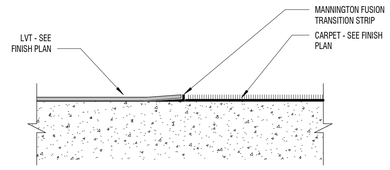
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/8/2025 1:38:03 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R21.rvt



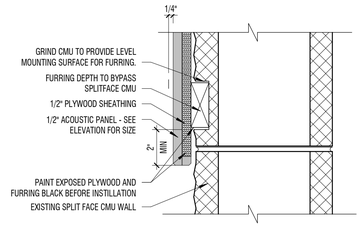
D4 TYP ACOUSTIC PANEL EDGE

3" = 1'-0" EXPOSED EDGE TREATMENT



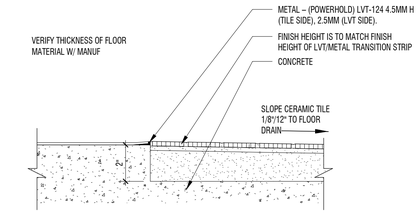
D5 TRANSITION DETAIL

3" = 1'-0" LVT TO CARPET



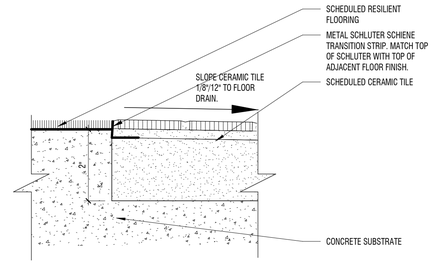
C4 ACOUSTIC PANEL DETAIL

3" = 1'-0" EXPOSED EDGE TREATMENT



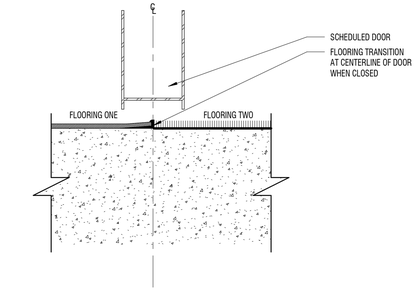
C5 TRANSITION DETAIL

3" = 1'-0" LVT TO TILE



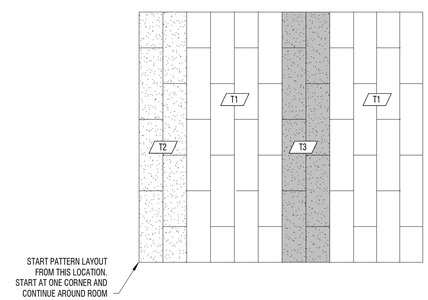
B4 TRANSITION DETAIL

6" = 1'-0" CARPET TO TILE



B5 TRANSITION DETAIL

6" = 1'-0" @ DOORS



A5 TILE PATTERN

1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

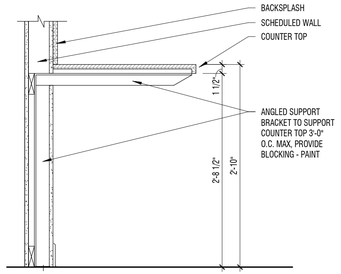
PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

INTERIOR FINISH/MILLWORK DETAILS

A-591

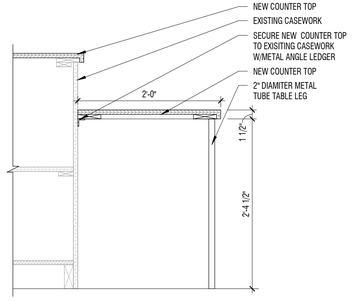
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:54 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt



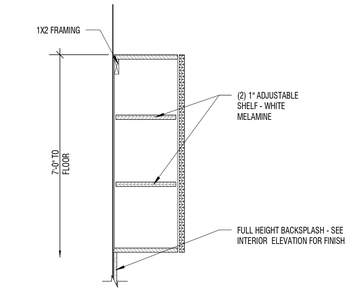
D1 COUNTER SUPPORT

1" = 1'-0"



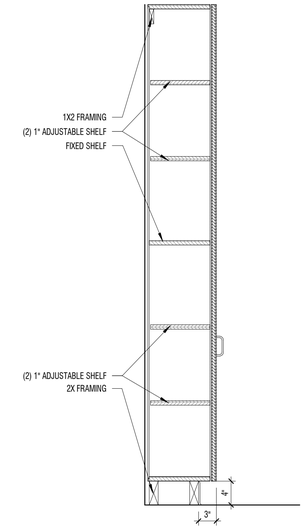
D2 ADA WORKSTATION

1" = 1'-0"



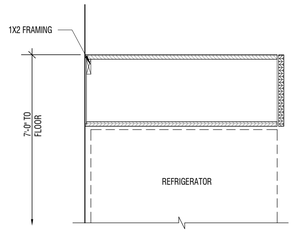
D3 UPPER CABINET

1" = 1'-0"



C5 TALL CABINET

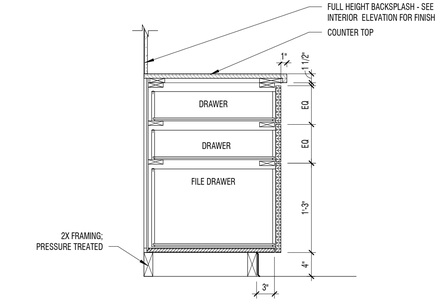
1" = 1'-0"



C2 UPPER CABINET

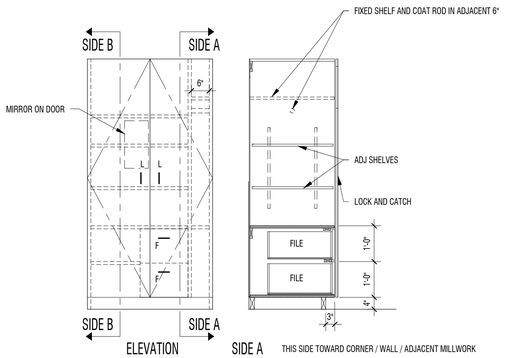
1" = 1'-0"

OVER REFRIGERATOR



C3 FILE DRAWER BASE

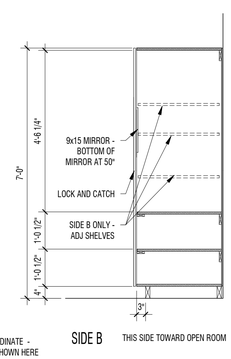
1" = 1'-0"



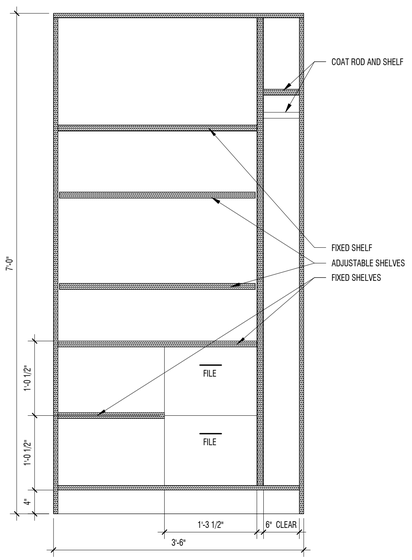
A1 TEACHER CABINET

1/2" = 1'-0"

SEE A2/A-592



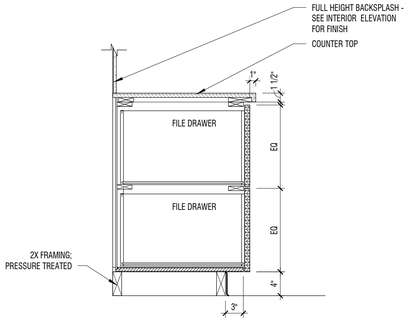
SEE PLANS AND INTERIOR ELEVATIONS TO COORDINATE - SIDE A AND SIDE B CAN BE OPPOSITE WHAT IS SHOWN HERE



A2 TEACHER CABINET

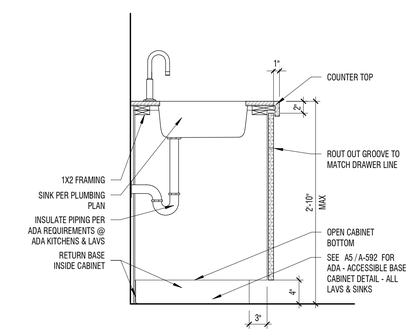
1" = 1'-0"

SEE A1/A-592



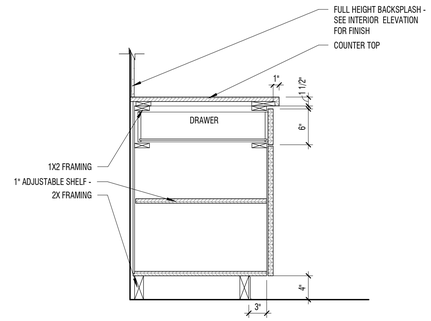
B3 TWO DRAWER FILE BASE

1" = 1'-0"



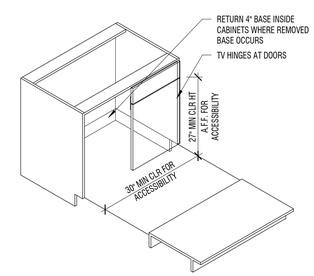
A3 ADA SINK BASE

1" = 1'-0"



B5 BASE CABINET W/ DRAWER

1" = 1'-0"



A5 REMOVABLE BASE

1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

MILLWORK DETAILS

A-592

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: CF
CHECKED BY: MR
ISSUED: 05.29.2025

5/30/2025 1:58:07 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt

INTERIOR WALL TYPES

W4B

DESCRIPTION: N/A

ASSEMBLY:
5/8" TYPE 'X' GYPSUM BOARD
2x4" WOOD STUD @ 16" O.C.



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT

FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

W4A

DESCRIPTION: N/A

ASSEMBLY:
5/8" TYPE 'X' GYPSUM BOARD
2 x 4 WOOD STUD FRAMING @ 16" O.C.
5/8" TYPE 'X' GYPSUM BOARD



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT

FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

W6A

DESCRIPTION: N/A

ASSEMBLY:
5/8" TYPE 'X' GYPSUM BOARD
2 x 6 WOOD STUD FRAMING @ 16" O.C.
5/8" TYPE 'X' GYPSUM BOARD



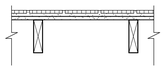
NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT

FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

W6C

DESCRIPTION: N/A

ASSEMBLY:
TILE OVER LAYTEX-PORTLAND CEMENT MORTAR OR ORGANIC ADHESIVE BOARD WHERE OCCURS
5/8" BACKER BOARD, 5/8" TYPE 'X' GYPSUM BOARD
2 x 6 WOOD STUD FRAMING @ 16" O.C.



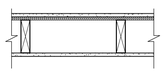
NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT

FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

W6D

DESCRIPTION: N/A

ASSEMBLY:
5/8" TYPE 'X' GYPSUM BOARD
1/2" PLYWOOD SHEATHING
2 x 6 WOOD STUD FRAMING @ 16" O.C.
5/8" TYPE 'X' GYPSUM BOARD



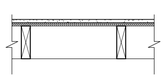
NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT

FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

W6H

DESCRIPTION: N/A

ASSEMBLY:
5/8" TYPE 'X' GYPSUM BOARD
1/2" PLYWOOD SHEATHING
2 x 6 WOOD STUD FRAMING @ 16" O.C.
5/8" TYPE 'X' GYPSUM BOARD



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT

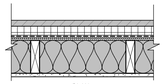
FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

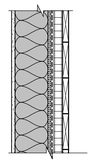
EXTERIOR WALL TYPES

EP6-WP

DESCRIPTION: N/A

ASSEMBLY:
1" COMPOSITE CLADDING
1 1/2" RIGID INSULATION
WHEATHER RESISTANT BARRIER
1/2" PLYWOOD SHEATHING
2x6 WOOD STUD FRAMING
BATT INSULATION
5/8" TYPE 'X' GYPSUM BOARD


PLAN

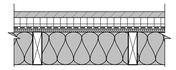

SECTION

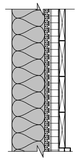
FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

EW6-WP

DESCRIPTION: N/A

ASSEMBLY:
1" COMPOSITE CLADDING
1 1/2" RIGID INSULATION
WHEATHER RESISTANT BARRIER
1/2" PLYWOOD SHEATHING
2 x 6 WOOD STUD FRAMING
BATT INSULATION


PLAN

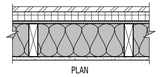

SECTION

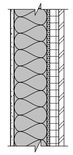
FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

EP6-MP1

DESCRIPTION: N/A

ASSEMBLY:
3/4" METAL PANEL
1 1/2" RIGID INSULATION
1/2" PLYWOOD SHEATHING
2x6" WOOD STUD FRAMING
BATT INSULATION
5/8" TYPE 'X' GYPSUM BOARD


PLAN

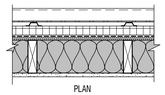

SECTION

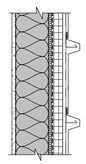
FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

EW6-MP2

DESCRIPTION: N/A

ASSEMBLY:
1 1/4" METAL PANEL SYSTEM
7/8" HAT CHANEL 24" O.C.
1 1/2" RIGID INSULATION
WEATHER RESISTANT BARRIER
5 1/2" WOOD STUD FRAMING
BATT INSULATION
5/8" GYP BOARD


PLAN

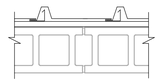

SECTION

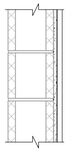
FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

EM-MP1

DESCRIPTION: N/A

ASSEMBLY:
3/4" METAL PANEL
7/8" VERTICAL HAT CHANNEL, 24" O.C.
EXISTING CMU WALL


PLAN

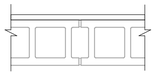

SECTION

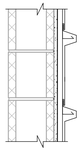
FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

EM-MP2

DESCRIPTION: N/A

ASSEMBLY:
1 1/4" METAL PANEL
7/8" VERTICAL HAT CHANNEL, 24" O.C.
EXISTING CMU WALL


PLAN


SECTION

FIRE RATING: N/A
TESTING SOURCE: N/A
STC RATING: N/A
TESTING SOURCE: N/A

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

CONSTRUCTION DOCUMENTS

WALL TYPES

A-611

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:59 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition_R24.V2.rvt

DOOR SCHEDULE

	LEAF SIZING (1)									DETAILS (8)					
MARK	W	H	D	DOOR TYPE (2)	CONSTRUCTION (3)	FINISH (4)	GLAZING (5)	RATING (6)	FRAME TYPE (7)	HEAD	JAMB	SILL	HARDWARE (9)	NOTES (10)
010A	6'-0"	7'-1"	1 3/4"	AL02	AL	5F	LGI	-	G	-	-	D4/A-572	A01	-
010B	6'-0"	7'-1"	1 3/4"	AL02	AL	5F	LGI	-	H	-	-	-	A02	-
013	3'-0"	7'-0"	1 3/4"	HM01	(e)	5D	-	-	(e)	-	-	-	01	A
020	3'-0"	7'-0"	1 3/4"	WD05	SC	5A	SG	-	HMB	D2/A-572	C2/A-572	-	02	-
023	3'-0"	6'-11"	1 3/4"	AL01	AL	5F	LGI	-	L	D1/A-571	C1/A-571	D4/A-572	A06	-
024	3'-0"	7'-0"	1 3/4"	WD05	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	09	-
028	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	09	-
029	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	09	-
030	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	09	-
032	3'-0"	7'-0"	1 3/4"	WD05	SC	5B	SG	-	(e)	-	-	-	13	-
033A	6'-0"	7'-10"	1 3/4"	AL02	AL	5C	LGI	-	(e)	-	-	-	A04	A
033B	6'-0"	7'-10"	1 3/4"	AL02	AL	5C	LGI	-	(e)	-	-	-	A03	A
035A	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMB	D2/A-572	C2/A-572	-	10	-
035B	2'-11"	6'-11"	1 3/4"	AL01	AL	5C	LGI	-	(e)	-	-	-	A05	A
036	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	09	-
037A	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	09	-
100A	6'-0"	7'-0"	1 3/4"	AL02	AL	5F	LGI	-	A	-	C1/A-571	D4/A-572	A03	-
100B	6'-0"	7'-0"	1 3/4"	AL02	AL	5F	LGI	-	E	D1/A-572	C1/A-572	-	A04	-
101	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	06	-
102	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	12	-
103	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	12	-
104A	3'-0"	7'-0"	1 3/4"	WD01	SC	5B	-	-	HMA	B2/A-571	A2/A-571	-	06	-
104B	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	06	-
105	6'-0"	7'-0"	1 3/4"	WD04	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	05	-
106A	3'-0"	7'-0"	1 3/4"	WD01	SC	5B	-	-	HMA	B2/A-571	A2/A-571	-	06	-
106B	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	06	-
107	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	13	-
108A	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	11	-
108B	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	11	-
109	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	13	-
111A	6'-0"	7'-2"	1 3/4"	AL02	AL	5A	LGI	-	B	D1/A-571	C1/A-571	D4/A-572	A03	-
111B	6'-0"	7'-2"	1 3/4"	AL02	AL	5F	SG	-	B	D1/A-572	C1/A-572	-	A04	-
112	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	13	-
113	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	13	-
114A	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	11	-
114B	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	11	-
115A	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	11	-
115B	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	11	-
116	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	13	-
117	3'-0"	7'-0"	1 3/4"	WD03	SC	5A	SG	-	HMA	B2/A-571	A2/A-571	-	13	-
118A	6'-0"	7'-2"	1 3/4"	AL02	AL	5F	LGI	-	B	D1/A-571	C1/A-571	D4/A-572	A03	-
118B	6'-0"	7'-2"	1 3/4"	AL02	AL	5F	SG	-	B	D1/A-572	C1/A-572	-	A04	-
119	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	06	-
120A	6'-0"	7'-0"	1 3/4"	HM02	HMI	5E	LGI	-	HMA	D1/A-571	C1/A-571	D4/A-572	06	A
120B	3'-0"	7'-0"	1 3/4"	WD01	SC	5A	-	-	HMA	B2/A-571	A2/A-571	-	08	-
122	3'-0"	7'-0"	1 3/4"	HM01	HMI	5E	LGI	-	HMA	D1/A-571	C1/A-571	D4/A-572	14	A

NOTE: ALL EXISTING DOORS FRAMES TO REMAIN ARE TO BE PREPARED FOR REPAINT. REFER TO FINISH SCHEDULE.

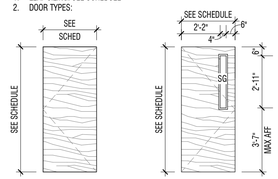
GENERAL NOTES

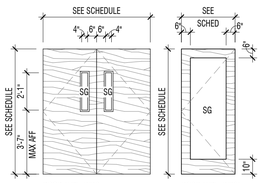
1. PROVIDE SEALANT AT JOINTS AT DISSIMILAR MATERIAL CONNECTIONS, ISOLATE DISSIMILAR METALS.
2. ALL DIMENSIONS FOR DOOR AND WINDOW OPENINGS TO BE FIELD VERIFIED PRIOR TO MANUFACTURING AND INSTALLATION.
3. ALL EXISTING DOORS FRAMES TO REMAIN ARE TO BE PREPARED FOR REPAINT. REFER TO FINISH SCHEDULE.

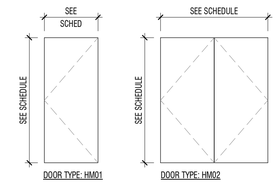
SCHEDULE NOTES

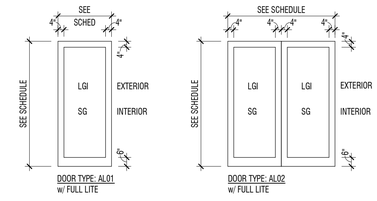
- IF SCHEDULE FIELD SHOWS A HYPHEN (-) OR IS BLANK, THERE ARE NO ITEMS APPLICABLE OR IS DETERMINED BY MANUFACTURER.
- SWING LINES SHOWN BELOW ARE REPRESENTATIONAL AND DO NOT INDICATE ACTUAL SWING. SEE PLANS FOR INDIVIDUAL SWINGS.

1. LEAF SIZING: SEE SCHEDULE
2. DOOR TYPES:

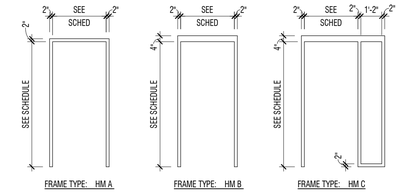








3. CONSTRUCTION:
   - GL GLASS
   - AL ALUMINUM
   - HMI HOLLOW METAL, INSULATED
   - HM HOLLOW METAL
   - SC SOLID CORE
4. FINISH: SEE DOOR FINISHES ON SHEET A-691
5. GLAZING: (DOOR AND WINDOW)
   - SG SAFETY GLASS (TEMPERED OR LAMINATED)
   - SGI SAFETY GLASS INSULATED, LOW E
   - CG CLEAR FLOAT GLASS
   - CGI CLEAR FLOAT GLASS INSULATED - LOW E
   - SP SPANDREL PANEL
   - LG LAMINATED GLASS INSULATED: SCHOOL SAFE STANDARD
6. RATING: 20, 45, 60 AND ETC. INDICATES FIRE RATING
   NOTE: ALL FIRE RATED DOORS SHALL BE AUTOMATIC CLOSING OR SELF-CLOSING AS PROVIDED IN THE IBC, IN ADDITION SEE THE IBC FOR SPECIAL PROVISIONS RELATING TO DOORS.
7. FRAME TYPE: (NUMBER(S) INDICATE(S) FRAME TYPE(S) SHOWN: (e) = EXISTING



8. DETAILS: (REFER TO SHEETS INDICATED FOR DOOR AND WINDOW DETAILS)
9. HARDWARE: (GROUP #, SEE SPECIFICATIONS FOR HARDWARE GROUPS)
10. NOTES:
    A: PAINT EXISTING ALUMINUM TO MATCH NEW

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: FRANKS
CHECKED BY: RIGBY
ISSUED: 05.29.2025

DOOR SCHEDULE & TYPE NOTES

A-671

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:19 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt

SIGNAGE SCHEDULE

MARK	SIGNAGE TYPE	DESCRIPTION
01	A	CLASSROOM
02	C	STORAGE
03	C	JANITOR
04	B	OFFICE
05	E	MEN
06	F	WOMEN
07	G	RESTROOM
08	C	IDF
09	C	MULTI PURPOSE
10	C	IT STORAGE
11	C	MECHANICAL
12	C	WORKROOM
13	C	ELECTRICAL
14	C	FIRE RISER
15	C	CONFERENCE
16	D	MAX OCCUPANCY
17	C	SPEECH

SIGN A



CHANGEABLE INSERT SIGN
6" X 6"

SIGN B



MESSAGE SIGN WITH CHANGEABLE INSERT
6" X 4"

SIGN C



MESSAGE SIGN
6" X 3"

SIGN D



MAXIMUM OCCUPANCY SIGN
6" X 4"

SIGN E



WORD & PICTURE SIGN - MEN
6" X 7 3/4"

SIGN F



WORD & PICTURE SIGN - WOMEN
6" X 7 3/4"

SIGN G



WORD & PICTURE SIGN RESTROOM
TO READ FACULTY AT ALL FACULTY RESTROOMS
6" X 7 3/4"

SIGN H



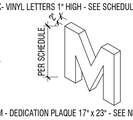
DIRECTIONAL SIGN
10" X 18"

SIGN I - NOT USED

SIGN J - VINYL LETTERS 3" HIGH - SEE SCHEDULE FOR TEXT

SIGN K- VINYL LETTERS 1" HIGH - SEE SCHEDULE FOR TEXT

SIGN L



CAST ALUMINUM LETTERS

SIGN M - DEDICATION PLAQUE 17" x 23" - SEE NEXT PAGE

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

SCHEDULE - SIGNAGE

A-681

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:12 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt

FINISH SCHEDULE

CARPET

MARK:	C1	C2	C3	C4
TYPE:	CARPET TILE	CARPET TILE	WALK OFF CARPET	POWERBOND
MANUFACTURER:	MOHAWK	MOHAWK	TARKETT	TARKETT
COLLECTION:	ART STYLE	ART STYLE	ASSERTIVE SERIES	GABARDINE
SERIES:	DISRUPTIVE PATH	METALLIC PATH	ASSERTIVE ACTION	-
COLOR:	916 LIME RUSH	929 PLATINUM GLEAM	IRIDIUM 26209	77205 MINT MOCHA
SIZE:	12X36	12X36	24X24	-
INSTALL:	RANDOM	RANDOM	ASHLAR	SEE FINISH PLANS
NOTES:	CLASSROOM CARPET	CORRIDOR CARPET	WALK OFF CARPET	MAIN MULTI-PURPOSE ROOM

MARK:	C5	C6
TYPE:	POWERBOND	POWERBOND
MANUFACTURER:	TARKETT	TARKETT
COLLECTION:	PLEXUS COLOR IV	PLEXUS COLOR IV
SERIES:	SOLIDS	SOLIDS
COLOR:	LIME ZEST 18556	SALT RIVER 18555
SIZE:	-	-
INSTALL:	SEE FINISH PLANS	SEE FINISH PLANS
NOTES:	GREEN ACCENT LINE IN TRACK IN MULTI-PURPOSE	ACCENT LINE IN TRACK IN MULTI-PURPOSE

RESILIENT FLOORING

MARK:	RF1
TYPE:	LVT
MANUFACTURER:	TARKETT
COLLECTION:	ID LATITUDE
SERIES:	ID LATITUDE WOOD
COLOR:	3308 ASH
SIZE:	6X48
INSTALL:	UNIDIRECTIONAL
NOTES:	CLASROOM LVT

TILE

MARK:	T1	T2	T3	T4
MANUFACTURER:	AMERICAN OLEAN	AMERICAN OLEAN	AMERICAN OLEAN	DALTILE
COLLECTION:	COLOR STORY WALL	COLOR STORY WALL	COLOR STORY WALL	KEYSOTNES
SERIES:	-	-	-	-
COLOR:	CALM 0035	GREEN APPLE 0076	RESTORE 0058	PEPPER WHITE
SIZE:	8X24	8X24	8X24	2X2
INSTALL:	SEE INSTALL PATTERN	SEE INSTALL PATTERN	SEE INSTALL PATTERN	SEE FLOOR FINISH COMBINATION
GROUT:	1/8" - MAPEI - 10 BLACK	1/8" - MAPEI - 10 BLACK	1/8" - MAPEI - 10 BLACK	MAPEI - 10 BLACK
NOTES:	WHITE WALL TILE	GREEN WALL TILE	BLUE WALL TILE	WHITE FLOOR TILE

MARK:	T5	T6
MANUFACTURER:	DALTILE	DALTILE
COLLECTION:	KEYSTONES	KEYSTONES
SERIES:	-	-
COLOR:	LIME SHERBET D619	SPA D148
SIZE:	2X2	2X2
INSTALL:	SEE FLOOR FINISH COMBINATION	SEE FLOOR FINISH COMBINATION
GROUT:	MAPEI - 10 BLACK	MAPEI - 10 BLACK
NOTES:	GREEN FLOOR TILE	BLUE FLOOR TILE

BASE

MARK:	B1
TYPE:	RUBBER
MANUFACTURER:	ROPPE
COLOR:	BLACK/BROWN
SIZE:	4"
STYLE:	STANDARD TOE
NOTES:	CLASSROOM BASE

CEILING

MARK:	CL1
TYPE:	ACOUSTICAL CEILING TILE
MANUFACTURER:	-
MODEL:	SEE SPEC
SIZE:	2X4
COLOR:	WHITE
NOTES:	

PAINT

MARK:	P1	P2	P3	P4
MANUFACTURER:	BENJAMIN MOORE	BENJAMIN MOORE	SHERWIN WILLIAMS	BENJAMIN MOORE
COLOR:	SEASHELL 926	MEDITERRANEAN BREEZE 799	PURE WHITE 255-C1	GALVESTON GRAY AC-27
SHEEN:	SEMI GLOSS	WALLS - SEMI GLOSS, CEILING - SATIN	SATIN	SEMI GLOSS
NOTES:	MAIN PAINT COLOR	ACCENT COLOR/ CEILING ACCENT COLOR	CEILING COLOR	CAVE PAINT

MARK:	P5	P6
MANUFACTURER:	SHERWIN WILLIAMS	BENJAMIN MOORE
COLOR:	WEB GRAY	LEPRECHAUN GREEN 557
SHEEN:	SEMI GLOSS	SATIN
NOTES:	DOOR JAMB	TREE GREEN

CONCRETE FINISH

MARK:	CF1
TYPE:	CONCRETE SEALER
MANUFACTURE:	-
COLOR:	-
SHEEN:	DRY LOOK
NOTES:	MECHANICAL ROOMS

ACCOUSTICAL WALL PANELS

MARK:	AW1	AW2	AW3	AW4
TYPE:	PET FELT	PET FELT	PET FELT	PET FELT
MANUFACTURER:	ONNIT SYSTEMS	ONNIT SYSTEMS	ONNIT SYSTEMS	ONNIT SYSTEMS
SIZE:	-	-	-	-
COLOR:	ARIZONA SUN	BABY BLUE	LIME GREEN	PEAR GREEN
NOTES:	sun and road line	WATER	BRIGHT GREEN	DIM GREEN

MARK:	AW5	AW6	AW7	AW8
TYPE:	PET FELT	PET FELT	PET FELT	PET FELT
MANUFACTURER:	ONNIT SYSTEMS	ONNIT SYSTEMS	ONNIT SYSTEMS	ONNIT SYSTEMS
SIZE:	-	-	-	-
COLOR:	DARK BUCKSKIN	SHADOW	GRAPHITE	DARK SILVER MARBLE
NOTES:	TREE BROWN	BID ALT 2 - ROAD	BID ALT 2 - CAVE DARK	BID ALT 2 - CAVE LIGHT

MARK:	AW9	AW10
TYPE:	PET FELT	PET FELT
MANUFACTURER:	ONNIT SYSTEMS	ONNIT SYSTEMS
SIZE:	-	-
COLOR:	ARUBA BLUE	EMERALD GREEN
NOTES:	BID ALT 1 - TREE GREEN	BID ALT 1 - TREE GREEN

MILLWORK FINISHES

MARK:	MF1	MF2	MF3
TYPE:	LAMINATE	LAMINATE	LAMINATE
MANUFACTURER:	WILSONART	WILSONART	WILSONART VIRTUAL DESIGN LIBRARY
COLOR:	FAWN CYPRESS	WHITE CEMENT	MISTY MOUNTAINS
FINISH:	CASUAL RUSTIC FINISH	CASUAL RUSTIC FINISH	MATT FINISH
NOTES:	WOOD LAMINATE GRAIN	UPPER CABIENTS	BACKSPLASH

COUNTER TOPS

MARK:	CT1	CT2
TYPE:	LAMINATE	SOLID SURFACE
MANUFACTURER:	FORMICA	CORIAN
COLOR:	STORM 912	NIMBUS PRIMA
FINISH:	MATTE (S8)	SEMI GLOSS
EDGE:	-	-
BACKSPLASH:	-	-
NOTES:		@ ALL WINDOW SILLS

MILLWORK HARDWARE

MARK:	MH1
MANUFACTURER:	-
COLOR:	SATIN NICKEL
STYLE:	WIRE PULL
SIZE:	4"
NOTES:	

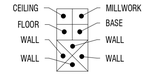
GENERAL NOTES

1. LEGAL: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.

   ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED, WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

   ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
2. ROOM FINISH TAGS FOR EACH ROOM REPRESENT TYPICAL FINISHES. SPECIFIC WALLS IN SELECTED AREAS MAY HAVE MULTIPLE FINISHES WHICH WILL BE INDICATED IN INTERIOR ELEVATIONS.
3. SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION
4. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION
5. FOR FINISH LEGEND SEE A-691
6. **CG** (CORNER GUARD) SEE SPECIFICATIONS - COLOR TO BE SELECTED BY ARCHITECT
7. FLOOR MATERIAL TRANSITIONS WILL OCCUR BELOW DOORS. U.N.O. SEE TYPICAL TRANSITION DETAILS ON SHEET A-591
8. POLISHED OR SEALED CONCRETE DOES EXTEND UNDER CASEWORK OR MILLWORK
9. FLOOR COVERING DOES NOT EXTEND UNDER MILLWORK OR CASEWORK, U.N.O.
10. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK AND FINISH ASSEMBLIES
11. FOR TYPICAL WALL TILE PATTERN SEE A5/A-591

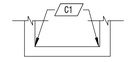
LEGEND



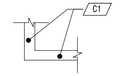
ROOM FINISH TAG



FINISH TAG - INDICATES SPECIFIC APPLIED FINISH



INDICATES FINISH IS APPLIED TO AREA BETWEEN ARROWS



INDICATES FINISH IS APPLIED TO FACE OF SURFACE(S)

INDICATES A MANUAL ROLLER SHADE.

INDICATES A MOTORIZED ROLLER SHADE.

INDICATES SIGNAGE LOCATION



INDICATES CORNER GUARD

FINISH COMBINATIONS

CEILING COMBINATIONS

MARK:	1A	1B
LOCATION:	MULTI-PURPOSE ROOM	CORRIDOR WITH TREE
DESCRIPTION:	EXPOSED TRUSSES AND DUCTWORK PAINTED P2, BOTTOM OF ROOF DECK PAINTED P3	TREE CANOPY PAINTED P6, WALL ABOVE PAINTED P2, ACCENT COLOR INSIDE DIAMOND HEADERS PAINTED P2. ALL OTHER LOCATINS CL1

WALL COMBINATIONS

MARK:	2A	2B
LOCATION:	NOT USED	RESTROOM WALL
DESCRIPTION:		4 VERTICAL ROWS T1, 2 ROWS OF T2, 4 VERTICAL ROWS OF T1, 4 VERTICAL ROWS OF T3, THEN REPEAT. INSTALL IN A VERTICAL OFFSET PATTERN. SEE A5/A-591

FLOOR COMBINATIONS

MARK:	3A	3B	3C
LOCATION:	CLASSROOM FLOORING	RESTROOM FLOORING	MULTI-PURPOSE ROOM
DESCRIPTION:	CARPET IS C1, RESILIENT FLOORING IS RF1. SEE FLOOR PLAN FOR LOCATIONS	T4 - 70%, T5 - 15%, T6 - 15%. TILE TO HAVE A SLOPE OF 1/8" PER 12" WHEN INSTALLED	MAIN CARPET IS C4, TRACK LINES ARE C5 AND C6. SEE FINISH PLANS FOR LOCATIONS

MARK:	3D
LOCATION:	PLATFORM
DESCRIPTION:	MAIN CARPET IS C4 WITH C3 WALK OFF INSTALLED IN FRONT OF EXTERIOR DOOR. SEE FINISH PLANS FOR LOCATIONS.

MILLWORK GROUPING

MARK:	4A	4B
UPPER CABINETS:	MF2	-
BACKSPLASH:	FULL HEIGHT MF3	-
COUNTERTOP:	CT1	CT1
FRONT EDGE STYLE:	BUILD UP, 3MM PVC EDGE COLOR TO MATCH	BUILD UP, 3MM PVC EDGE COLOR TO MATCH
BASE CABINETS:	MF1	-
HARDWARE:	MH1	-
FRAME CONSTRUCTION:	FRAMELESS	-
DOOR INTERFACE STYLE:	FLUSH OVERLAY	-
NOTES:	CLASSROOM CABINETS	SEE DETAIL D2/ A-592

DOOR FINISHES

MARK:	5A	5B	5C
DOOR FINISH:	MATCH EXISTING	EXISTING TO REMAIN	MATCH EXTERIOR FINISH D1
JAMB FINISH:	P5	P5	MATCH EXTERIOR FINISH D1
HARDWARE COLOR:	SATIN NICKEL	SATIN NICKEL	SATIN NICKEL
NOTES:	NEW INTERIOR DOORS	ALL EXISTING INTERIOR DOORS TO REMAIN	EXISTING ALUMINUM DOORS

MARK:	5D	5E	5F
DOOR FINISH:	MATCH EXTERIOR FINISH MP1, INTEIOR P5	MATCH EXTERIOR FINISH MP2, INTEIOR P5	MATCH STOREFRONT
JAMB FINISH:	MATCH EXTERIOR FINISH MP1, INTEIOR P5	MATCH EXTERIOR FINISH MP2, INTEIOR P5	MATCH STOREFRONT
HARDWARE COLOR:	SATIN NICKEL	SATIN NICKEL	SATIN NICKEL
NOTES:			

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

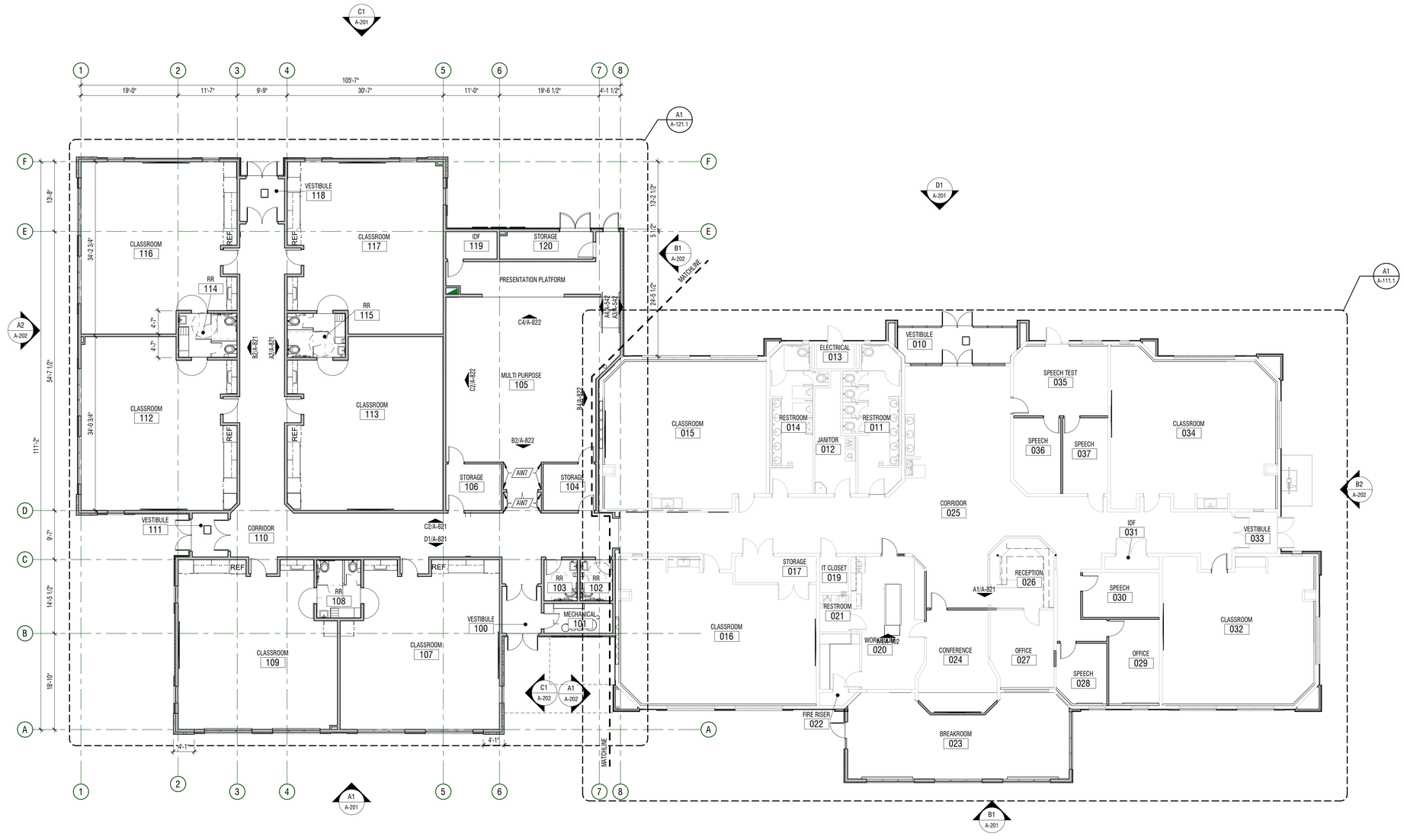
PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

CONSTRUCTION DOCUMENTS

FINISH SCHEDULE
A-691

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:38:17 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_REVIT.rvt



1 LEVEL 01 FLOOR PLAN

3/32" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

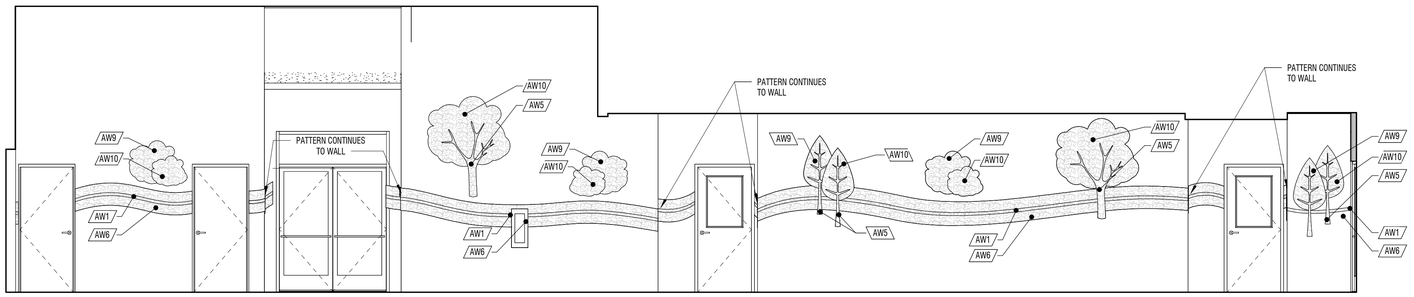
PROJECT #:	125054
DRAWN BY:	Author
CHECKED BY:	Checker
ISSUED:	05.29.2025

BID ALT 2 - FLOOR PLAN

A-811

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

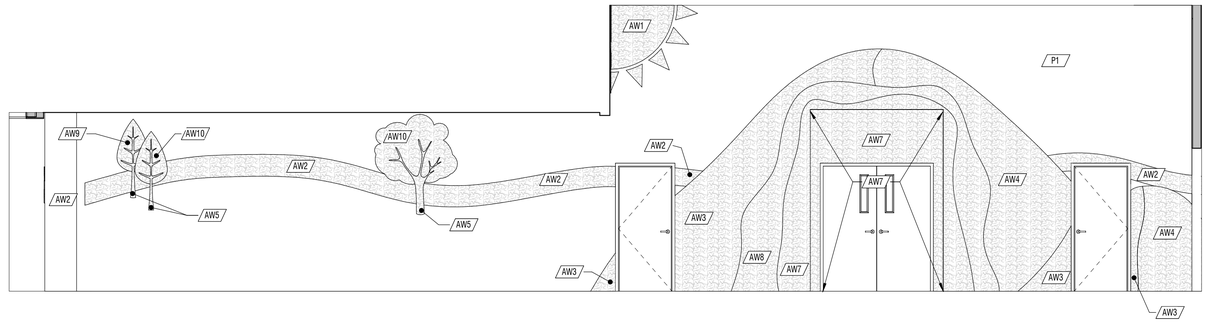
3/26/2025 1:58:21 PM Autodesk Docs://125054 - LCSD EEC Preschool Addition/125054 - LCSD - EEC Preschool Addition_R24.rvt



D1 INTERIOR ELEVATION

1/4" = 1'-0"

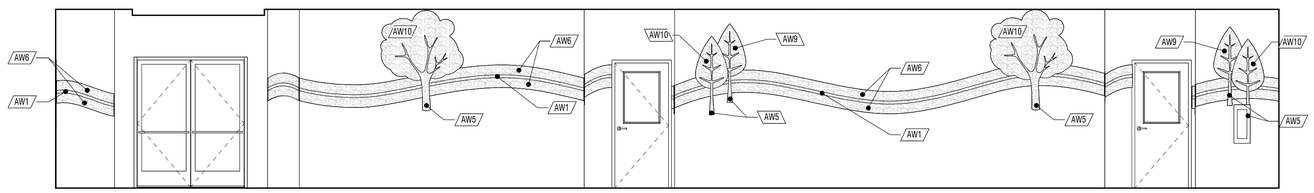
CORRIDOR 110 - SOUTH



C2 INTERIOR ELEVATION

1/4" = 1'-0"

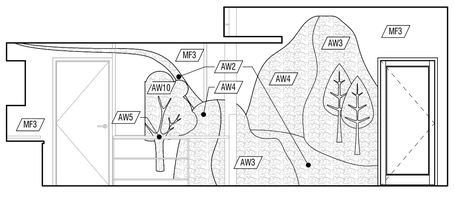
CORRIDOR 110 - NORTH



B2 INTERIOR ELEVATION

1/4" = 1'-0"

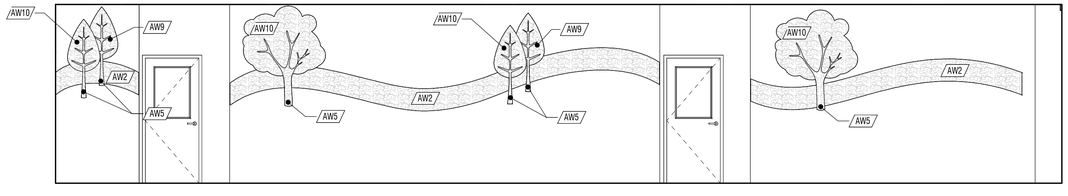
CORRIDOR 110 - WEST



A1 INTERIOR ELEVATION

1/4" = 1'-0"

CORRIDOR 025 - SOUTH



A2 INTERIOR ELEVATION

1/4" = 1'-0"

CORRIDOR 110 - EAST

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	Author
CHECKED BY:	Checker
ISSUED:	05.29.2025

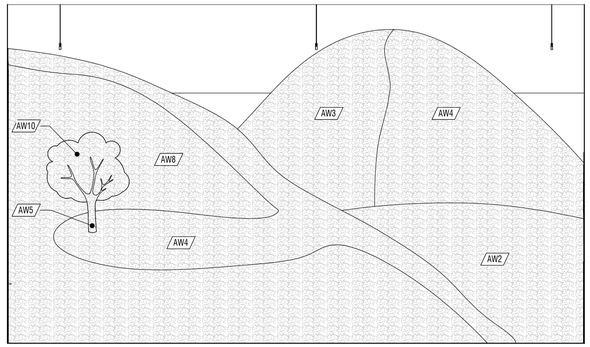
CONSTRUCTION DOCUMENTS

BID ALT 2 - INTERIOR ELEVATIONS

A-821

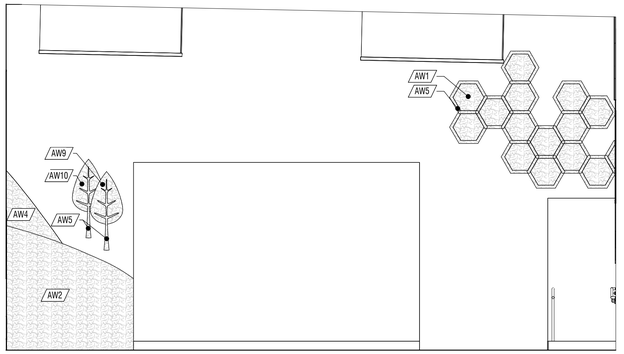
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:29 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt



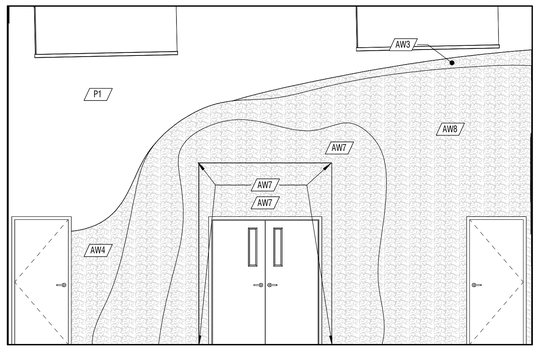
C2 INTERIOR ELEVATION

1/4" = 1'-0" MULTI-PURPOSE ROOM



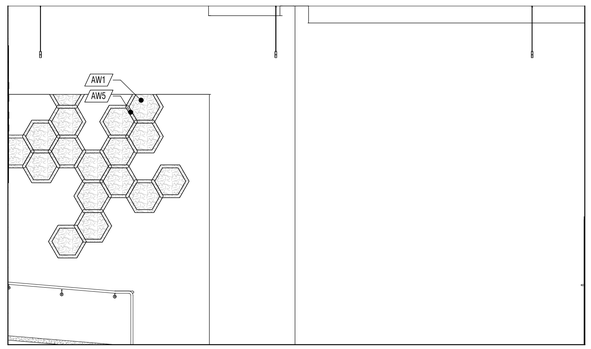
C4 INTERIOR ELEVATION

1/4" = 1'-0" MULTI-PURPOSE ROOM



B2 INTERIOR ELEVATION

1/4" = 1'-0" MULTI-PURPOSE ROOM



B4 INTERIOR ELEVATION

1/4" = 1'-0" MULTI-PURPOSE ROOM

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: Author
CHECKED BY: Checker
ISSUED: 05.29.2025

CONSTRUCTION DOCUMENTS

BID ALT 2 - INTERIOR ELEVATIONS

A-822

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/30/2025 1:58:29 PM Autodesk Docs://125054 - LCSD ECC Preschool Addition/125054 - LCSD - ECC Preschool Addition_R24.rvt

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

- POSITIVE PRESSURE DUCT - RISE
- POSITIVE PRESSURE DUCT - DROP
- NEGATIVE PRESSURE DUCT - RISE
- NEGATIVE PRESSURE DUCT - DROP
- ROUND DUCT - RISE
- ROUND DUCT - DROP
- UNDER FLOOR DUCT
- TURNING VANES
- FRESH AIR LOUVER
- RELIEF AIR OR EXHAUST AIR LOUVER
- 12X12 200 — CEILING SUPPLY DIFFUSER
- 22X22 200 — CEILING RETURN REGISTER
- 12X12 200 — CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
- 24X10 200 — SIDEWALL SUPPLY REGISTER
- 24X10 200 — SIDEWALL EXHAUST OR RETURN REGISTER
- 12X12 200 — CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
- 12X12 200 — CEILING AIR GRILLE WITH FLEXIBLE DUCT

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

- CEILING RETURN AIR GRILLE W/ SOUND BOOT
- 3-1" SLOTS @ 48" 400 — LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
- FLEXIBLE DUCT CONNECTION
- FLEXIBLE DUCT
- 12/8 FO — FLAT OVAL DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- 12/8 — RECTANGULAR DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- 12ø — ROUND DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
- UP — INCLINED RISE
- DN — INCLINED DROP

WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.

- W R — R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
- 12/12 8/8 — RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
- 12/12 12ø — RECTANGULAR TO ROUND DUCT TRANSFORMATION
- R 6 — BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
- 45° 1.5D D 1.25D D — TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
- 12ø 12/12 — HIGH EFFICIENCY FITTING
- MANUAL VOLUME DAMPER
- FD — FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
- FSD — COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
- SD — SMOKE DAMPER W/ ACCESS PANEL
- BDD — BACK DRAFT DAMPER
- ATC OR — ATC DAMPER

DUCTWORK/GRILLES

- AD — ACCESS PANEL IN DUCT OR PLENUM
- 4-WAY BLOW PATTERN
- 3-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 1-WAY BLOW PATTERN
- SD — DUCT SMOKE DETECTOR

PIPING

- RISE OR DROP
- RISER - DOWN (ELBOW)
- RISER - UP (ELBOW)
- PIPE CAP
- ARROW INDICATES DIRECTION OF FLOW IN PIPE
- DN — LEADER INDICATES DOWNWORD SLOPE
- VALVE IN RISE
- OR — 90° ELBOW
- 45° ELBOW
- ALIGNMENT GUIDE
- ANCHOR

PIPING

- SHUT OFF VALVE
- BALL VALVE
- BUTTERFLY VALVE
- MOTOR OPERATED BUTTERFLY VALVE
- GATE VALVE
- GATE VALVE - NON RISING STEM
- ANGLE VALVE
- GLOBE VALVE
- PLUG VALVE
- SHUT OFF PLUG VALVE FOR USE WITH PRESSURE GAUGE
- CHECK VALVE
- LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
- PRESSURE REDUCING VALVE EXTERNAL PRESSURE
- PRESSURE REDUCING VALVE SELF CONTAINED
- ATC - 2 WAY VALVE
- ATC - 3 WAY VALVE
- S — SOLENOID VALVE
- 0.0 GPM — CALIBRATED BALANCING VALVE WITH GPM INDICATED
- VENTURI FLOW METER
- GPM LB/HR. — FLOW METER ORIFICE
- RELIEF VALVE
- AIR VENT-MANUAL
- A — AIR VENT-AUTO
- F — FLOW SWITCH
- P S — PRESSURE SWITCH
- TEMPERATURE AND PRESSURE TEST PORT
- THERMOMETER WELL
- THERMOMETER - TEMP RANGE AS INDICATED
- PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
- PRESSURE GAUGE WITH PIGTAIL
- UNION
- FLANGE
- FLEXIBLE EXPANSION JOINT
- REDUCER
- ECCENTRIC REDUCER
- BRANCH - BOTTOM CONNECTION
- BRANCH - TOP CONNECTION
- BRANCH - SIDE CONNECTION

PLUMBING

- THERMOSTATIC MIXING VALVE
- HOSE BIBB
- FLOOR SINK
- FLOOR DRAIN
- FCO COTG — FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
- ROOF DRAIN
- DOWNSPOUT NOZZLE
- VTR — VENT THRU ROOF
- WATER HAMMER ARRESTOR
- CLEAN-OUT
- FILL PORT
- DRAIN PAN AND P-TRAP
- (NAME) — FIXTURE FROM LEVEL ABOVE
- DEMOLITION

EQUIPMENT

- UNIT HEATER
- INLINE PUMP
- INLINE PUMP
- FAN

FIRE

- HOSE VALVE
- NRS GATE VALVE WITH SUPERVISION
- FLOW SWITCH
- FIRE RISER
- SPRINKLER HEAD
- F — FIRE SPRINKLER WATER

ANNOTATIONS

- P-1 — PLUMBING FIXTURES
- POINT OF CONNECTION
- A / M-101 — SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
- A / M101 — DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
- EF 1 — EQUIPMENT IDENTIFICATION
- 1 — KEYED NOTE IDENTIFICATION
- S — SWITCH
- S — SENSOR
- T — THERMOSTAT

LINETYPES

- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RETURN (DHWR)
- E(NAME) — EXISTING PIPING
- (NAME) — EXISTING PIPING TO BE REMOVED
- GHR — GLYCOL HEAT RECOVERY PIPING
- G(NAME) — GLYCOL PIPING SOLUTION
- FVS — FLUSH VALVE SUPPLY
- G — NATURAL GAS
- HP(NAME) — HIGH PRESSURE DOMESTIC WATER
- HWR — HEATING HOT WATER RETURN
- HWS — HEATING HOT WATER SUPPLY
- LPC — LOW PRESSURE CONDENSATE
- MUW — MAKE UP WATER
- PC — PUMPED CONDENSATE
- RD — ROOF DRAIN
- RDO — ROOF DRAIN OVERFLOW
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- SEWER (BELOW GRADE)
- SEWER (ABOVE GRADE)
- SW — SOFT DOMESTIC WATER
- VENT (SEWER)

BID DOCUMENT

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

MECHANICAL SYMBOLS LEGEND

M001

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:42:58 AM Autodesk Docs://25004 - LCSD ECC Preschool Addition/25004_Mech_24.rvt

MECHANICAL GENERAL NOTES

1. PROVIDE CD-1 TYPE DIFFUSER, AS SCHEDULED, FOR ALL CEILING SUPPLY DIFFUSERS UNLESS NOTED OTHERWISE. SEE DETAIL 1/M502.
2. PROVIDE RG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING RETURN GRILLES SHOWN AS SUCH. PROVIDE SIZE 22x22, OR 22x10 WITH SOUND BOOT FOR UNDUCTED GRILLES. SEE DETAIL 13/M501.
3. PROVIDE EG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING EXHAUST GRILLES, SHOWN AS SUCH.
4. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
5. COORDINATE EXACT LOCATION OF DUCTS WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, PLUMBING, MECHANICAL PIPING, ETC.
6. BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK SIZE OF THE DIFFUSER, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE.
7. INSTALL HARD ELBOWS AS SHOWN. HARD ELBOWS ARE REQUIRED FOR SOUND ATTENUATION.
8. INSTALL EQUIPMENT WITH CLEARANCE PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN PROPER SPACE FOR COIL PULL, CONTROLS, AND MAINTENANCE ACCESS.
9. INSTALL TURNING VANES IN ALL SQUARE AND RECTANGULAR LOW PRESSURE DUCTWORK.
10. DETAILS REFERENCE ALL SHEETS.
11. ALL FIRE DAMPERS ARE 1-1/2 HR RATED, UNLESS NOTED OTHERWISE.
12. DO NOT ROUTE DUCTS OR PIPES ABOVE ELECTRICAL PANELS. DO NOT ROUTE DUCTS OR PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
13. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
14. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC, ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
15. ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.

MECHANICAL PIPING GENERAL NOTES

1. PIPING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL ROUTING AND COORDINATE WITH ALL OTHER TRADES.
2. NO PIPING TO RUN DIRECTLY OVER ELECTRICAL PANELS, MCC'S, VFD'S. ROUTE AROUND AS REQUIRED.
3. INSTALL MANUAL AIR VENTS AT ALL HYDRONIC SYSTEM HIGH POINTS.
4. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURER'S RECOMMENDATION. PROVIDE A 24"X24" ACCESS DOOR BELOW EQUIPMENT BOX AND CONTROL VALVES WHERE INSTALLED OVER HARD CEILING AREAS.
5. COORDINATE EXACT LOCATION OF T-STATS WITH ARCHITECTURAL FURNISHINGS.
6. INSTALL A 24"x24" ACCESS PANEL BELOW ALL VALVES, CIRCUIT SETTERS, AND CONTROL VALVES OVER HARD CEILINGS.
7. MECHANICAL PIPING TO BE INSTALLED ABOVE DUCTWORK AND EQUIPMENT EXCEPT WHERE SHOWN.
8. FIELD VERIFY ALL EQUIPMENT LOCATIONS.
9. DETAILS REFERENCE ALL SHEETS.

PLUMBING GENERAL NOTES

1. SLOPE PIPING AS FOLLOWS, UNLESS OTHERWISE NOTED. WASTE: BRANCHES 1/4" PER FOOT. WASTE MAINS: 1/8" PER FOOT.
2. SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
3. PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT ROUTING AND COORDINATE WITH ALL OTHER TRADES.
4. ALL PIPING IN PLUMBING CHASES TO BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
5. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S, OR MCC'S.
6. COORDINATE FAN ROOM FLOOR DRAIN LOCATIONS AND COOLING COILS.
7. NO FIRE PROTECTION LINE IS TO BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING, AND PLUMBING TAKE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE CONTRACTOR'S EXPENSE.
8. SLEEVE/CONFIGURE CMU WALLS FOR EMBEDDED PIPING AND PIPE PENETRATIONS AS REQUIRED.
9. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
10. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY.
11. LOCATE ALL VENTS MINIMUM 25 FT AWAY FROM AIR INTAKES.
12. INSTALL DOMESTIC WATER LINES BELOW DUCTWORK.
13. INSTALL A 24"x24" ACCESS DOOR BELOW ALL ISOLATION VALVES AND CIRCUIT SETTERS WHERE MOUNTED ABOVE HARD CEILINGS.
14. MOUNT ALL CEILING TYPE ISOLATION VALVES, CONTROL VALVES, CIRCUIT SETTERS, ETC. NEAR CEILING FOR ACCESSIBILITY.
15. DETAILS REFERENCE ALL SHEETS.
16. EXISTING PIPING SHOWN HAS BEEN TAKEN FROM INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL SYSTEMS, SIZES, LOCATIONS, AND ELEVATIONS PRIOR TO STARTING ANY NEW WORK.

BID DOCUMENT

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

MECHANICAL GENERAL NOTES

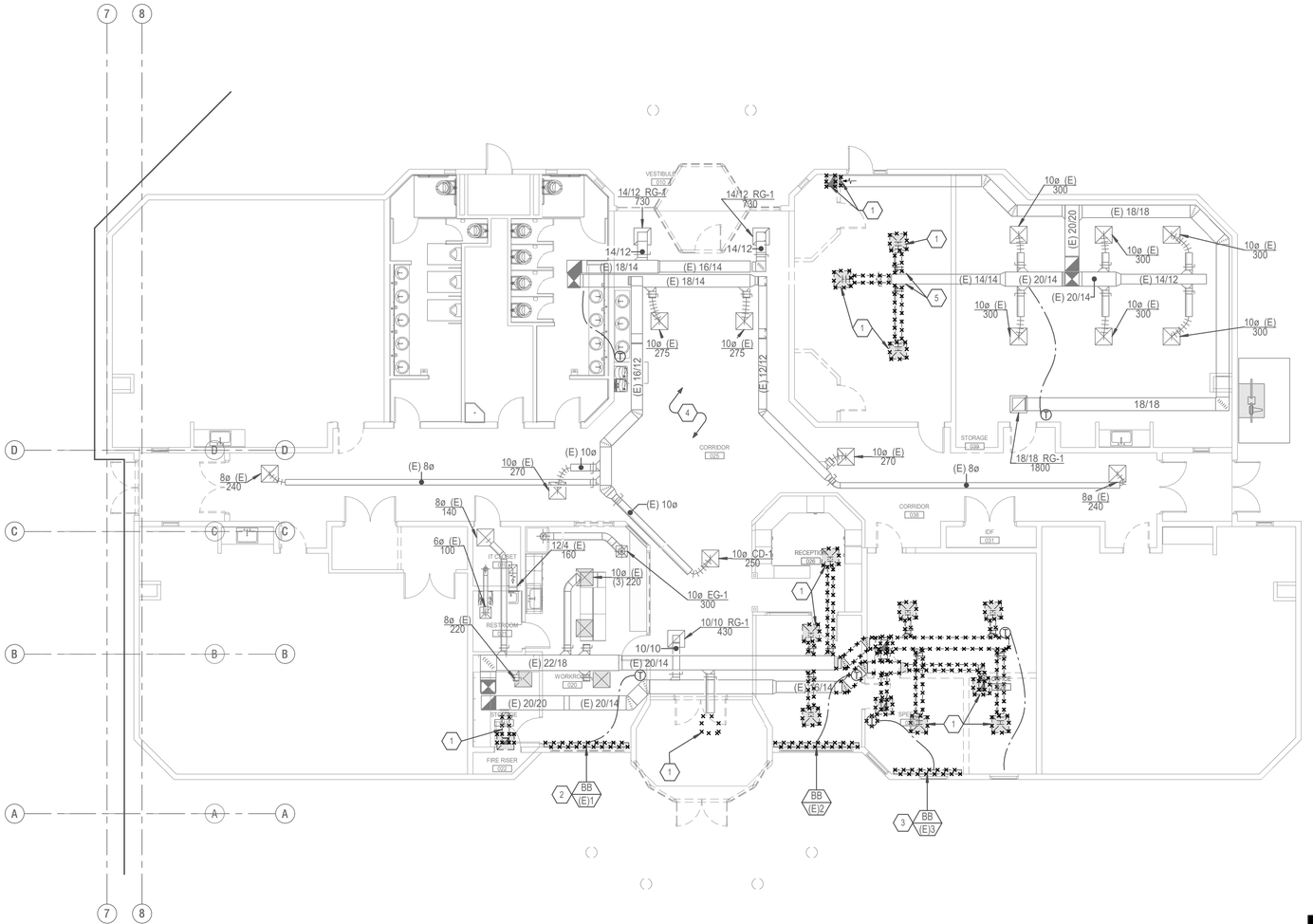
M002

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:43:39 AM Autodesk Docs://125684 - LCSD ECC Preschool Addition/25416_Mech_24.rvt

KEYED NOTES

1. DEMOLISH AND REMOVE HATCHED AIR TERMINALS AND DUCTWORK BACK TO THE APPROXIMATE LOCATION SHOWN.
2. ELECTRIC BASEBOARD HEATER AND ASSOCIATED THERMOSTAT TO BE REMOVED.
3. ELECTRIC BASEBOARD HEATER AND ASSOCIATED THERMOSTAT ARE TO REMAIN IN SERVICE. PROTECT FROM DAMAGE.
4. UNLESS OTHERWISE NOTED ON THIS PLAN, ALL EXISTING MECHANICAL SYSTEMS ARE TO REMAIN IN SERVICE. PROTECT FROM DAMAGE.
5. CAP AND SEAL DUCTWORK AIR TIGHT.



1 LEVEL 1 MECHANICAL DEMOLITION PLAN

1/8" = 1'-0"

NORTH

5/23/2025 10:42:42 AM Autodesk Docs://12504 -LCSD ECC Preschool Addition/12504-R_Mech_24.rvt

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

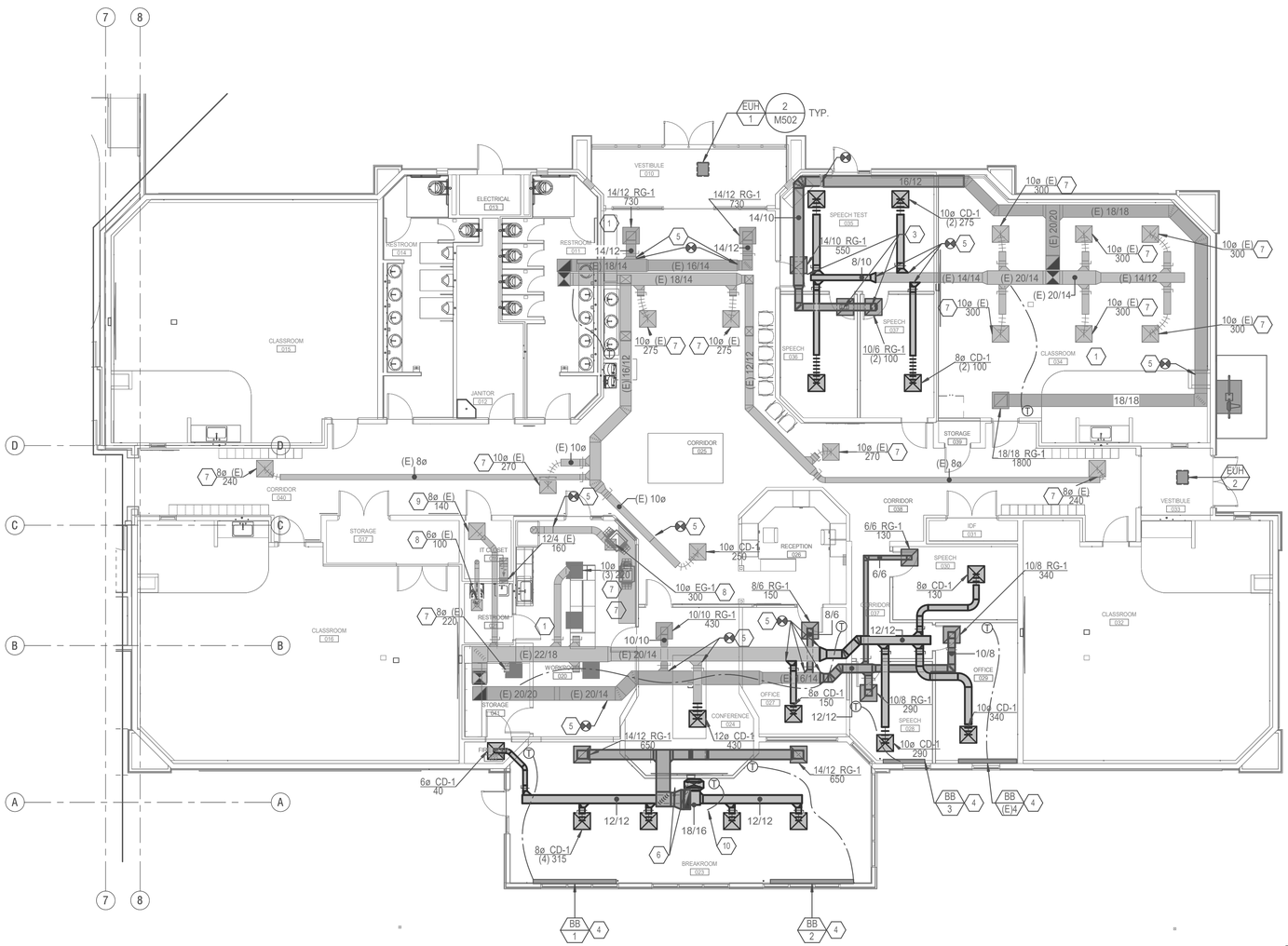
LEVEL 1
MECHANICAL
DEMOLITION PLAN

MD101

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

KEYED NOTES

#	
1.	EXISTING PACKAGED RTU TO REMAIN. REBALANCE TO AIRFLOW NOTED.
2.	SEE M-102 FOR CONTINUATION.
3.	PROVIDE MANUAL BALANCING DAMPER.
4.	EXISTING ELECTRIC BASEBOARD HEATER TO REMAIN IN SERVICE, PROTECT EQUIPMENT FROM DAMAGE.
5.	CONNECT NEW DUCT TO EXISTING.
6.	18/16 SUPPLY AND RETURN DUCTS UP THRU ROOF TO ROOFTOP UNIT. SIZE ROOF PENETRATIONS TO ACCOMMODATE DUCT INSULATION.
7.	REINSTALLED EXISTING DIFFUSER AND GRILLES. BALANCE TO CFM NOTED.
8.	BALANCE EXISTING EXHAUST FAN TO CFM NOTED.
9.	BALANCE EXISTING DIFFUSER AND GRILLES TO CFM NOTED.
10.	CONTROL WIRING TO CONNECT THERMOSTAT TO ROOFTOP UNIT 7.



1 LEVEL 1 MECHANICAL PLAN

1/8" = 1'-0"

NORTH

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #: 121342

DRAWN BY: DB

CHECKED BY: JLJ

ISSUED: 05.23.2025

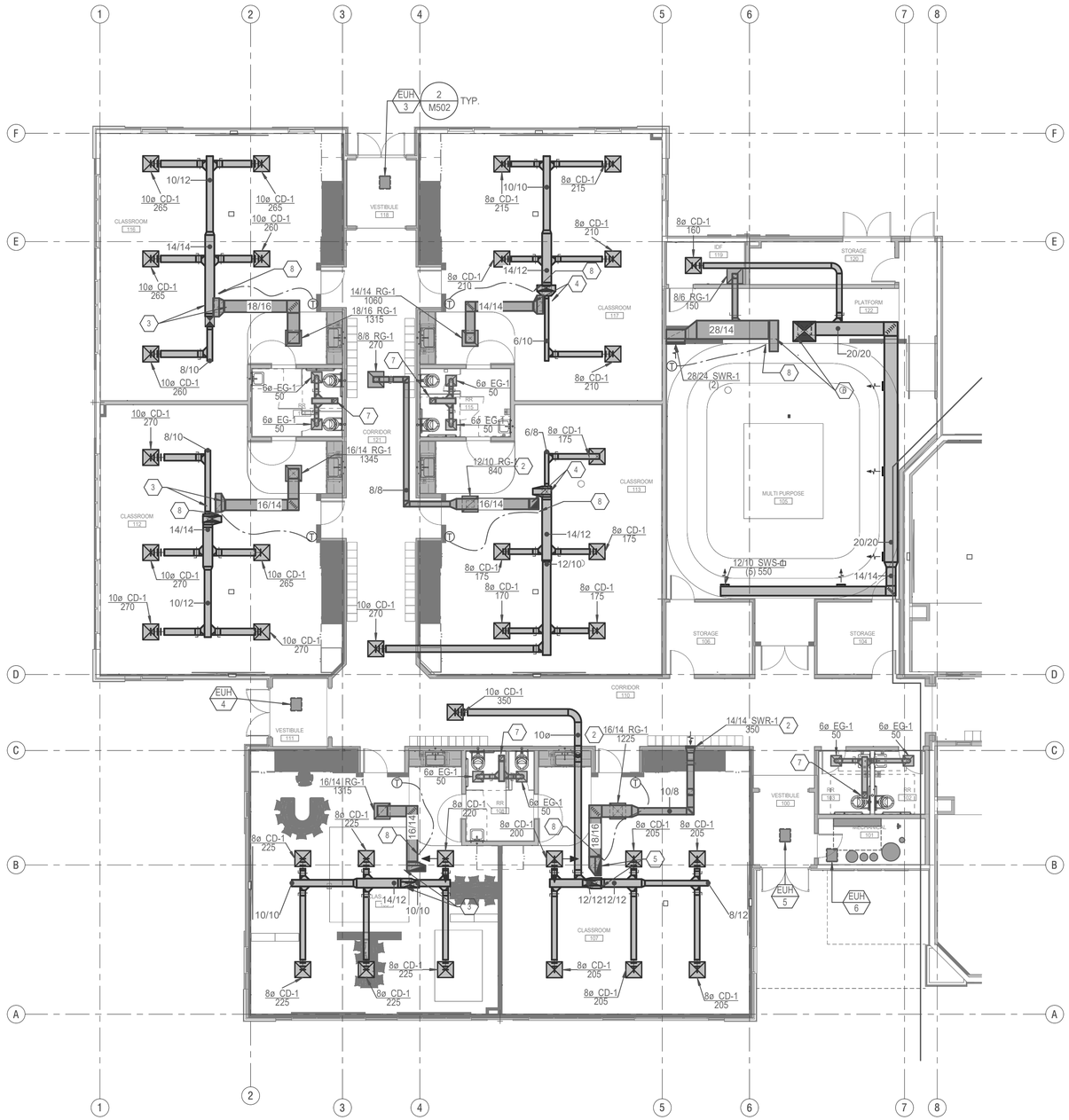
REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

LEVEL 1
MECHANICAL PLAN

M101

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:43:48 AM Autodesk Docs://25054 - LCSD ECC Preschool Addition/25041E_Mech_24.rvt



1 LEVEL 1 MECHANICAL PLAN - ADDITION

1/8" = 1'-0"

NORTH

KEYED NOTES

1. SEE SHEET M-101 FOR CONTINUATION.
2. PROVIDE MANUAL BALANCING DAMPER.
3. 16/14 SUPPLY AND RETURN DUCTS UP THRU ROOF TO ROOFTOP UNIT. SIZE ROOF PENETRATIONS TO ACCOMMODATE DUCT INSULATION.
4. 16/12 SUPPLY AND RETURN DUCTS UP THRU ROOF TO ROOFTOP UNIT. SIZE ROOF PENETRATIONS TO ACCOMMODATE DUCT INSULATION.
5. 16/16 SUPPLY AND RETURN DUCTS UP THRU ROOF TO ROOFTOP UNIT. SIZE ROOF PENETRATIONS TO ACCOMMODATE DUCT INSULATION.
6. 24/16 SUPPLY AND RETURN DUCTS UP THRU ROOF TO ROOFTOP UNIT. SIZE ROOF PENETRATIONS TO ACCOMMODATE DUCT INSULATION.
7. 8X8 EXHAUST DUCTS UP THRU ROOF TO ROOFTOP UNIT. SIZE ROOF PENETRATION TO ACCOMMODATE DUCT INSULATION.
8. CONTROL WIRING TO CONNECT THERMOSTAT TO ROOFTOP UNIT ABOVE.

BID DOCUMENT

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

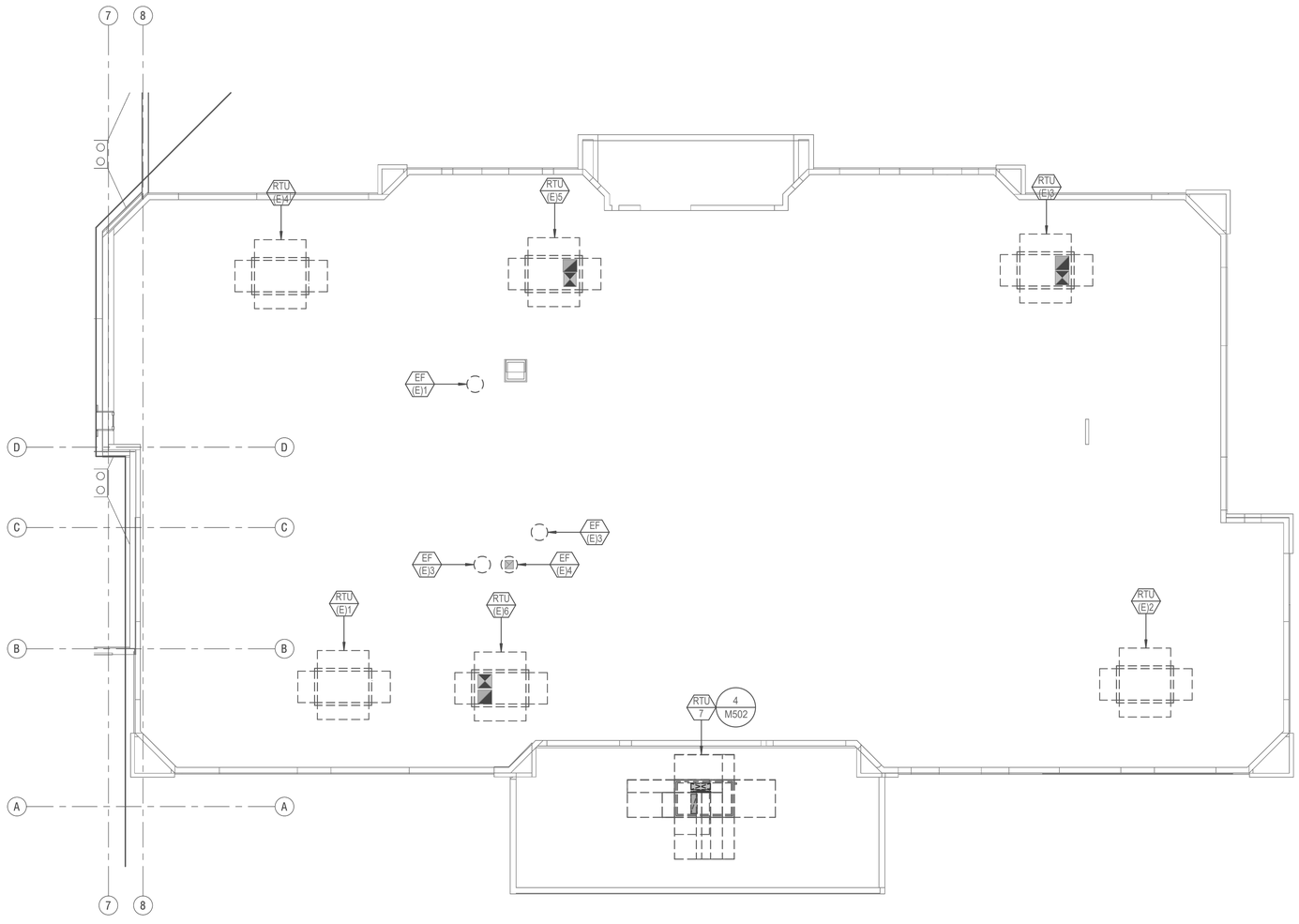
LEVEL 1 MECHANICAL PLAN- ADDITION

M102

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:43:59 AM Autodesk Docs://12564-LCSD ECC Preschool Addition/12564_Mech_24.rvt

KEYED NOTES
1. -



1 ROOF MECHANICAL PLAN

1/8" = 1'-0"

NORTH

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	121342
DRAWN BY:	DB
CHECKED BY:	JLJ
ISSUED:	05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

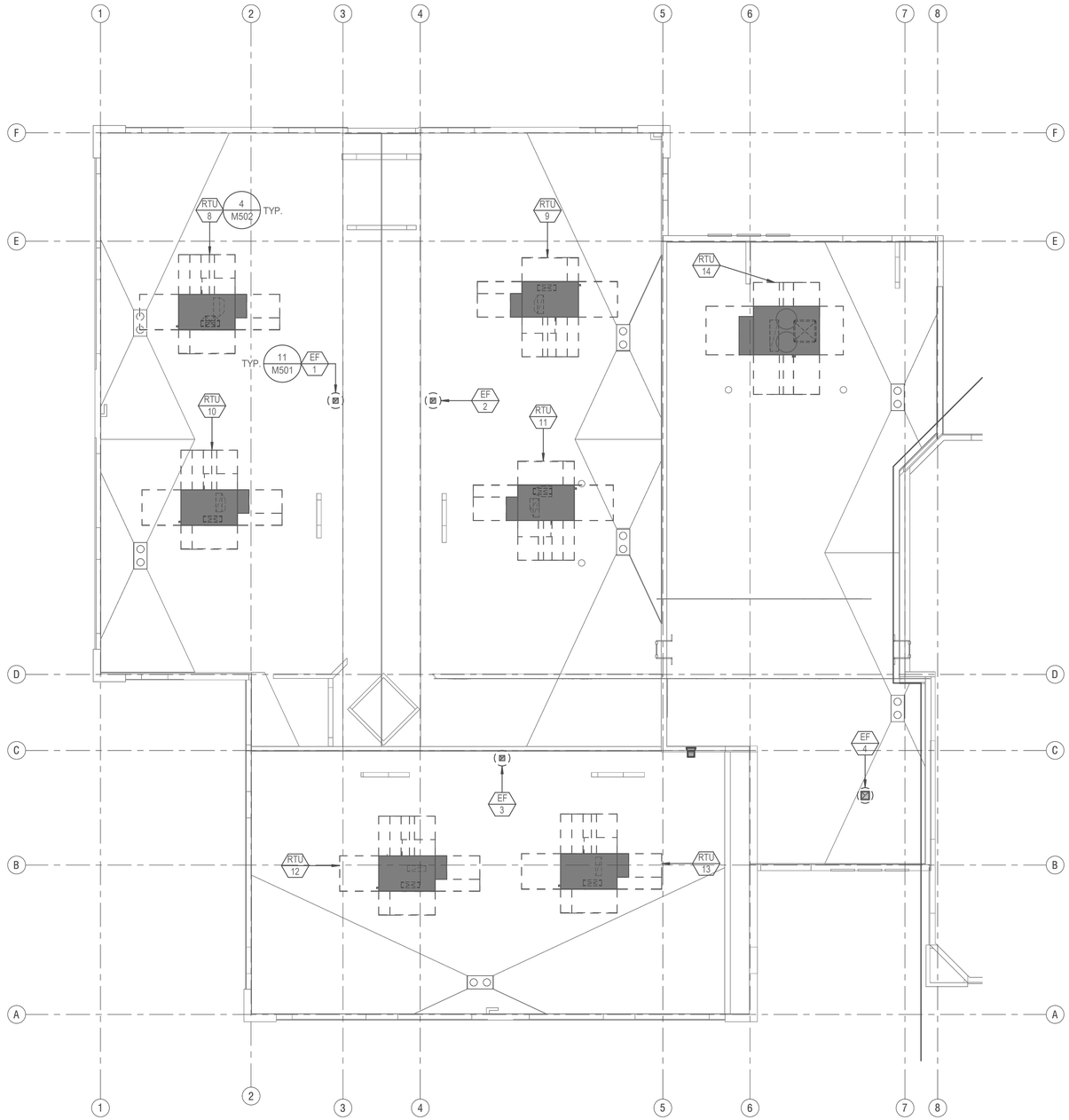
ROOF MECHANICAL PLAN

M103

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:43:59 AM Autodesk Docs://121564 - LCSD ECC Preschool Addition/25d16_Mech_24.rvt

KEYED NOTES
1. -



1 ROOF MECHANICAL PLAN - ADDITION

1/8" = 1'-0"

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342

DRAWN BY: DB

CHECKED BY: JLJ

ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

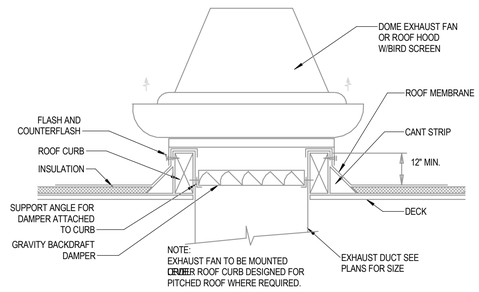
BID DOCUMENT

ROOF MECHANICAL PLAN- ADDITION

M104

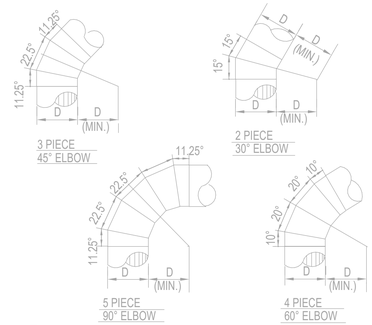
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:01 AM Autodesk Docs://25054 LCSD ECC Preschool Addition/25041E_Mech_24.rvt



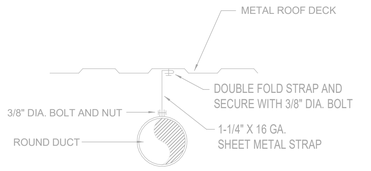
11 / M501 EXHAUST FAN DETAIL

NO SCALE



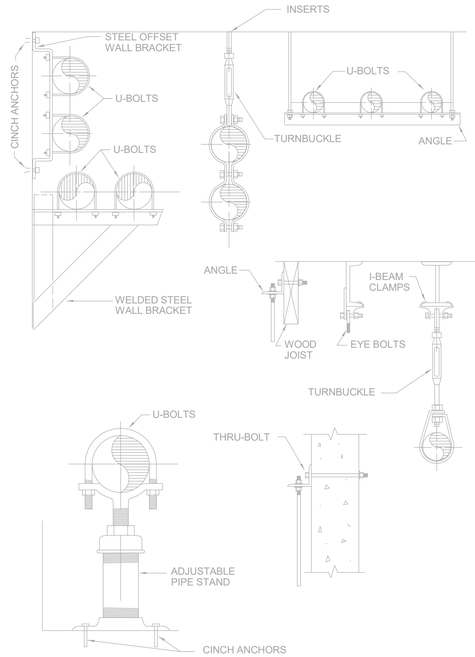
7 / M501 ROUND DUCT ELBOW DETAILS

NO SCALE



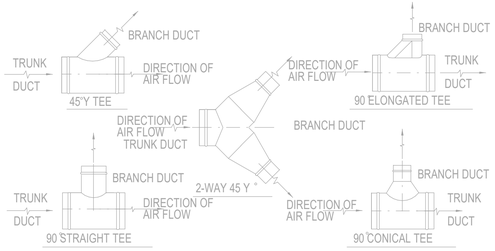
4 / M501 ROUND DUCT SUPPORT DETAIL

NO SCALE



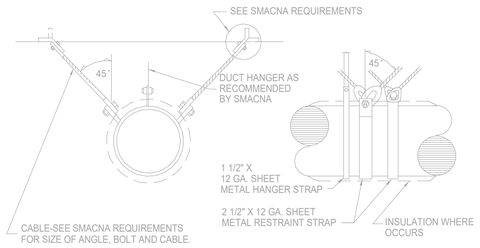
1 / M501 TYPICAL PIPE SUPPORT DETAIL

NO SCALE



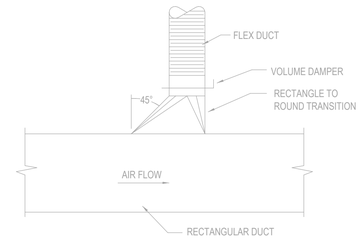
12 / M501 ROUND DUCT BRANCH TAKE-OFFS DETAILS

NO SCALE



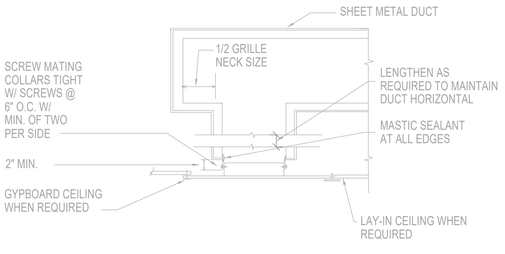
8 / M501 CABLE BRACING FOR ROUND AND OVAL DUCTS

NO SCALE



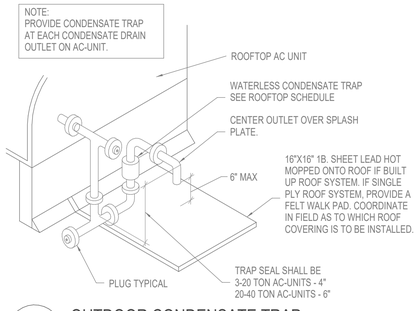
5 / M501 HIGH EFFICIENCY TAKE-OFF DETAIL

NO SCALE



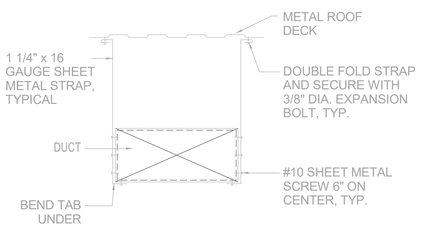
13 / M501 TYPICAL EXHAUST/RETURN GRILLE DETAIL

NO SCALE



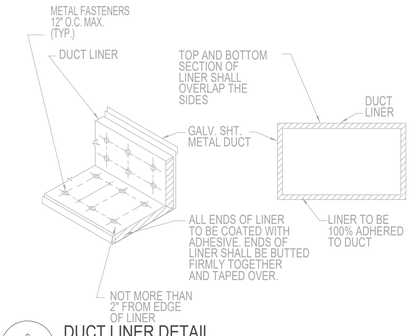
9 / M501 OUTDOOR CONDENSATE TRAP

NO SCALE



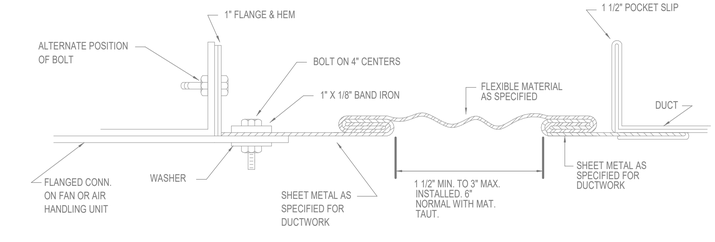
6 / M501 RECTANGULAR DUCT SUPPORT

NO SCALE



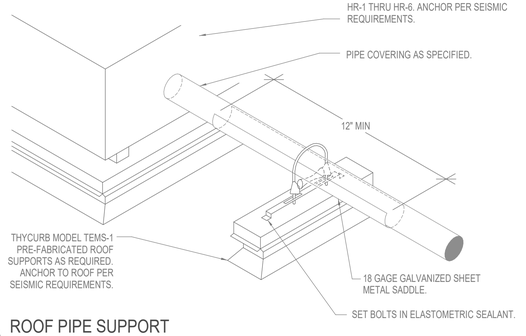
2 / M501 DUCT LINER DETAIL

NO SCALE



10 / M501 RECTANGULAR FLEXIBLE CONNECTION DETAIL

NO SCALE



3 / M501 ROOF PIPE SUPPORT

NO SCALE

BID DOCUMENT

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

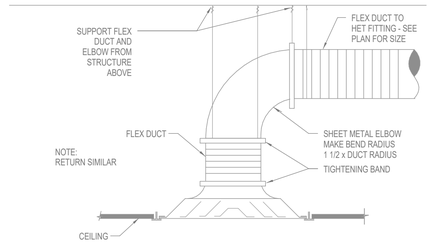
REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

MECHANICAL
DETAILS

M501

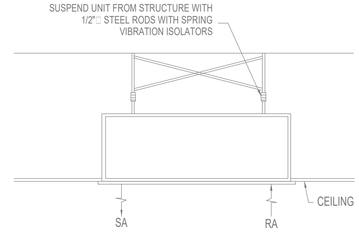
© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:01 AM Autodesk Docs://125004 - LCSD ECC Preschool Addition/125416_Mech_24.rvt



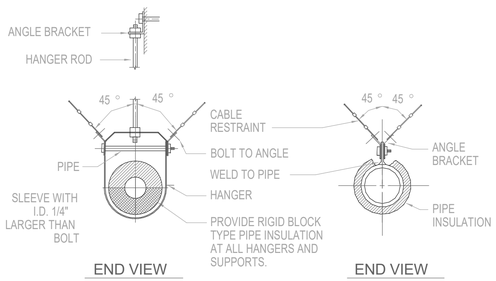
1 M502 DIFFUSER CONNECTION DETAIL

NO SCALE



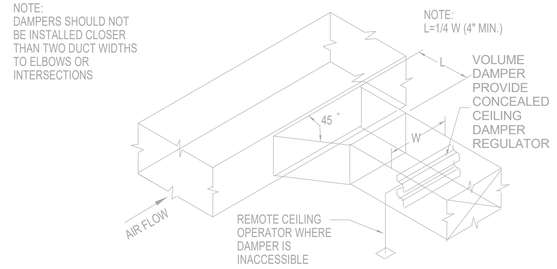
2 M502 SURFACE MOUNTED UNIT HEATER DETAIL

NO SCALE



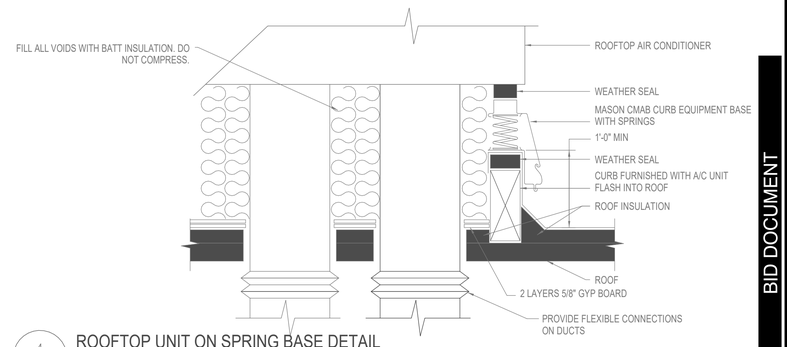
5 M502 PIPING RESTRAINT DETAIL

NO SCALE



3 M502 BRANCH DUCT TAKE-OFF & DAMPER

NO SCALE



4 M502 ROOFTOP UNIT ON SPRING BASE DETAIL

NO SCALE

BID DOCUMENT

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

MECHANICAL DETAILS

M502

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:06 AM Autodesk Docs://25064 - LCSD ECC Preschool Addition/25064_Mech_24.rvt

ELECTRIC BASEBOARD (EXISTING - NOTED FOR INFORMATIONAL PURPOSES ONLY)

ID	MANUFACTURER & MODEL NUMBER	LENGTH	KW	AMPERAGE	VOLT/PH/HZ	NOTES
BB-1	Q-MARK DBA 10250	10 FT	2.5	12	208/1/60	(1)(2)
BB-2	Q-MARK DBA 10250	10 FT	2.5	12	208/1/60	(1)(2)
BB-4	Q-MARK DBA 07188	7 FT	1.3	8.3	208/1/60	(1)(2)

(1) COMPLETE WITH DISCONNECT SWITCH

(2) COMPLETE WITH THERMOSTAT

ROOFTOP UNIT (EXISTING - NOTED FOR INFORMATIONAL PURPOSES ONLY)

				SUPPLY FAN			HEATING SECTION					COOLING SECTION				
												COOLING		ENTERING	LEAVING	
ID	MANUFACTURER	MODEL	NOMINAL TONS	AIRFLOW RATE (CFM)	OUTSIDE AIRFLOW (CFM)	EXT STATIC PRESSURE (IN. W.G.)	NAT GAS INPUT (MBH)	NAT GAS OUTPUT (MBH) (1)	MIXED AIR TEMP (°F)	ENTERING AIR TEMP. (°F)	LEAVING AIR TEMP. (°F)	SENSIBLE MBH	TOTAL MBH	AIR TEMP. DB/WB (°F)	AIR TEMP. DB/WB (°F)	NOTES
RTU-1	CARRIER	48HJE007		2060	365	0.75	115	74.52	55.83			48.25	68.83	76/ 62		(1)(2)(3)
RTU-2	CARRIER	48HJE006		2000	335	0.75	115	74.52	56.60			42.46	52.92	75.5/ 62		
RTU-3	CARRIER	48HJE008		2550	590	0.75	180	115.20	51.49			62.31	74.24	77/ 62		
RTU-4	CARRIER	48HJE006		1600	350	0.75	115	37.13	52.50			37.13	51.73	77/ 62		
RTU-5	CARRIER	48HJD006		2200	280	0.75	74	52.33	59.82			52.33	69.72	74/ 62		
RTU-6	CARRIER	48HJE007		2360	480	0.75	115	55.82	53.73			55.82	67.62	76/ 62		

(1) ROOFTOP UNITS ARE EXISTING AND ARE NOTED FOR INFORMATIONAL PURPOSES ONLY. BLANCE TO AIRFLOWS NOTED.

(2) COOLING CAPACITIES BASED AT 93°F/62°F WB AMBIENT AND 72°F / 50% RH INDOOR AIRSPACE.

(3) HEATING CAPACITIES BASED AT -20°F AMBIENT AND 72°F INDOOR.

BASEBOARD HEATER SCHEDULE

								PHYSICAL	
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	LOAD (BTU/H)	UNIT LOAD (BTU/H/FT)	AMPS	VOLTS/ PHASE/ HZ	LENGTH/ HEIGHT (IN)	NOTES
BB-3	QMARK QMKC2504W	SPEECH 028	ELECTRIC	3,413	853	4.8	208/1/60	48/6.75	(1)(2)(3)

(1) INSTALL PER MANUFACTUER'S REQUIRMENTS.

(2) UNIT COMPLETE WITH FACTORY MOUNTED TAZA TAMPER RESISTANT THERMOSTAT.

(3) UNIT SHALL BE FABRICATED OF MINIMUM 0.024 IN STEEL WITH MINIMUM 0.04 IN STEEL CONTROL BOXES. SUPPORT BRACKETS SHALL BE 0.035 STEEL. THE FRONT COVER SHALL BE FABRICATED OF MINIMUM 0.048 IN STEEL. THE HEATING ELEMENT WIRE SHALL CONSIST OF 80% NICKEL, 20% CHROMIUM, AND SHALL BE ENCASED IN STEEL SHEATH TO ASSURE LONG AND TROUBLE FREE LIFE. ALUMINUM FINS SHALL BE DESIGNED TO BLOCK SHEATH RADIATION TO FRONT AND BACK OF HEATER BODY AND PRESSURE BONDED TO STEEL SHEATH.

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	SIZE	MAX CFM	MAX NC	DESCRIPTION
CD-1	EH PRICE	SPD	6" DIA 8" DIA 10" DIA 12" DIA 14" DIA	175 330 475 630 860	30	SQUARE PLAQUE CEILING DIFFUSERS. REMOVABLE FACE & CORE FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER. COLOR SHALL BE WHITE.
RG-1 / EG-1	EH PRICE	PDDR	6" DIA 8" DIA 10" DIA 12" DIA 14" DIA 18"x18"	200 350 550 785 1050 2250	30	PERFORATED FACE RETURN AIR GRILLE, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER. COLOR SHALL BE WHITE.
SWS-1	EH PRICE	520S	12 X 10	510	30	DOUBLE DEFLECTION HIGH SIDEWALL SUPPLY REGISTER. VERTICAL FRONT WITH HORIZONTAL REAR DEFLECTION ADJUSTABLE VANES SPACED AT 3/4 INCH O.C. COMPLETE WITH OBD AND REMOVABLE CORE.
SWR-1	EH PRICE	91	28 X 24	1287	30	HEAVY DUTY SIDE WALL RETURN AIR GRILLE. STATIONARY HORIZONTAL 45 DEG DEFLECTION VANES SPACED AT 1/2 INCH O.C. 1 1/4 INCH FLANGE. FRAME MADE OF 16 GAUGE STEEL. INSTALL INTERMEDIATE SUPPORT CHANNELS AS REQUIRED.

EXHAUST AIR FAN SCHEDULE

					AIR			FAN	ELECTRICAL			PHYSICAL		
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	QUAN.	TYPE	MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. H2O)	MAX AIR TEMP. (°F)	FAN SPEED (RPM)	MOTOR SIZE (HP)	MOTOR BHP (HP)	VOLT/PH/HZ	LENGTH/ WIDTH/ HEIGHT (IN)	WEIGHT (LBS)	NOTES
EF-1	GREENHECK CUE-070-VG	ROOF	1	UPBLAST CENTRIFUGAL	100	0.3	70	1442	1/15	0.01	115/1/60	17/17/26	30	1, 2, 3, 4, 5
EF-2	GREENHECK CUE-070-VG	ROOF	1	UPBLAST CENTRIFUGAL	100	0.3	70	1442	1/15	0.01	115/1/60	17/17/26	30	1, 2, 3, 4, 5
EF-3	GREENHECK CUE-070-VG	ROOF	1	UPBLAST CENTRIFUGAL	100	0.3	70	1442	1/15	0.01	115/1/60	17/17/26	30	1, 2, 3, 4, 5
EF-4	GREENHECK CUE-070-VG	ROOF	1	UPBLAST CENTRIFUGAL	100	0.3	70	1442	1/15	0.01	115/1/60	17/17/26	30	1, 2, 3, 4, 5

1. PROVIDE 24" HIGH ROOF CURB, BIRD SCREEN, THERMAL OVERLOAD PROTECTION, AND MOTORIZED BACKDRAFT DAMPER. INTERLOCK FAN AND DAMPER BY DIV. 26.
2. PROVIDE FACTORY DISCONNECT.
3. CAPACITIES ARE AT ALTITUDE.
4. EXHAUST FAN SHALL BE INTERLOCKED WITH LIGHTS BY DIV. 26.
5. WITH FAN-MOUNTED SPEED CONTROL.

ELECTRIC CABINET UNIT HEATER SCHEDULE

				HTG CAPACITY					
ID	MANUFACTURER & MODEL NUMBER	LOCATION	MOUNTING ARRANGEMENT	KW	MBH	CFM @ HIGH SPEED	FLA	VOLT/PH/HZ	NOTES
EUH-1	Q-MARK EFF-4008	VESTIBULE 010	RECESSED CEILING	4.0	13.7	150	19.2	208/1/60	(1)(2)(3)
EUH-2	Q-MARK EFF-4008	VESTIBULE 033	RECESSED CEILING	4.0	13.7	150	19.2	208/1/60	(1)(2)(3)
EUH-3	Q-MARK EFF-4008	VESTIBULE 118	RECESSED CEILING	4.0	13.7	150	19.2	208/1/60	(1)(2)(3)
EUH-4	Q-MARK EFF-4008	VESTIBULE 111	RECESSED CEILING	4.0	13.7	150	19.2	208/1/60	(1)(2)(3)
EUH-5	Q-MARK EFF-4008	VESTIBULE 100	RECESSED CEILING	4.0	13.7	150	19.2	208/1/60	(1)(2)(3)
EUH-6	Q-MARK EFF-4008	MECHANICAL 101	RECESSED CEILING	4.0	13.7	150	19.2	208/1/60	(1)(2)(3)

(1) FACTORY MOUNTED STARTER. DISCONNECT BY DIV. 26.,

(2) EQUIPPED WITH INTEGRAL VANDAL PROOF, FACTORY MOUNTED THERMOSTAT. SET TEMPERATURE TO 50 DEG F.

(3) COMPLETE WITH RECESSED ENCLOSURE FOR T-BAR OR SURFACE MOUNTING AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLANS.

PACKAGED ROOFTOP UNIT SCHEDULE

			SUPPLY FAN			HEATING SECTION					COOLING SECTION						ELECTRICAL						
											COOLING		ENTERING	LEAVING							DIMENSIONS	MAX	
ID	MANUFACTURER	MODEL	AIRFLOW RATE (CFM)	OUTSIDE AIRFLOW (CFM)	EXT STATIC PRESSURE (IN. W.G.)	NAT GAS INPUT (MBH)	NAT GAS OUTPUT (MBH) (1)	MIXED AIR TEMP (°F)	ENTERING AIR TEMP. (°F)	LEAVING AIR TEMP. (°F)	SENSIBLE MBH	TOTAL MBH	AIR TEMP. DB/WB (°F)	AIR TEMP. DB/WB (°F)	EFFICIENCY	REFRIGERANT	TOTAL MCA	TOTAL MROPD	TOTAL BHP	SINGLE POINT VOLT/PH/HZ	(W x L x H)	WEIGHT (LBS)	NOTES
RTU-7	DAIKIN	DPSC03B	1300	980	0.4	80	57	71.90	58.8	108.8	35.30	35.30	75.7/60.1	49.9/49.9	18.1 SEER2	R-32	32.1	45 A	0.58	208/3/60	53.3 X 103 X 69.5	1302	(1)(2)(3)(4)(6)(7)(8)(9)(10)(11)(13)(14)(15)
RTU-8	DAIKIN	DPSC04B	1315	995	0.29	80	57	74.90	51.9	101.3	42.30	44.50	80.5/62.4	49.7/49.7	19.4 SEER2	R-32	36.6	50 A	0.57	208/3/60	53.3 X 103 X 69.5	1317	(1)(2)(3)(4)(6)(7)(8)(9)(10)(11)(13)(14)(15)
RTU-9	DAIKIN	DPSC03B	1060	740	0.41	80	57	74.80	46.6	107.9	35.04	35.49	81.8/62.6	50.1/50.1	18.1 SEER2	R-32	33.3	45 A	0.46	208/3/60	53.3 X 103 X 69.5	1308	(1)(2)(3)(4)(6)(7)(8)(9)(10)(11)(13)(14)(15)
RTU-10	DAIKIN	DPSC04B	1345	1025	0.41	80	57	74.90	52.4	100.7	42.80	44.80	80.4/62.4	49.9/49.9	19.4 SEER2	R-32	36.6	50 A	0.59	208/3/60	53.3 X 103 X 69.5	1317	(1)(2)(3)(4)(6)(7)(8)(9)(10)(11)(13)(14)(15)
RTU-11	DAIKIN	DPSC03B	1140	820	0.41	80	57	74.80	46.2	103.2	36.22	36.22	81.9/62.6	51.4/50.9	18.1 SEER2	R-32	33.3	45 A	0.49	208/3/60	53.3 X 103 X 69.5	1308	(1)(2)(3)(4)(6)(7)(8)(9)(10)(11)(13)(14)(15)
RTU-12	DAIKIN	DPSC04B	1345	1025	0.41	80	57	74.90	52.4	100.7	42.80	44.80	80.4/62.4	49.9/49.9	19.4 SEER2	R-32	36.6	50 A	0.59	208/3/60	53.3 X 103 X 69.5	1317	(1)(2)(3)(4)(6)(7)(8)(9)(10)(11)(13)(14)(15)
RTU-13	DAIKIN	DPSC04B	1575	1255	0.41	80	57	74.90	53.1	94.4	46.89	46.89	80.2/62.4	51.7/51.5	19.4 SEER2	R-32	36.6	50 A	0.72	208/3/60	53.3 X 103 X 69.5	1317	(1)(2)(3)(4)(6)(7)(8)(9)(10)(11)(13)(14)(15)
RTU-14	DAIKIN	DPSC07B	2910	1905	0.44	200	142.56	71.80	53.1	108.9	91.19	95.00	80.2/62.4	50.2/50.2	20.3 IEER	R-32	58.8	80 A	1.24	208/3/60	73.4 X 121.6 X 85.9	3030	(1)(2)(3)(4)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)

(1) ALL CONDITIONS BASED AT 4,800 FT. ELEVATION.

(2) COOLING CAPACITIES BASED AT 95°F/67°F WB AMBIENT AND 72°F / 50% RH INDOOR AIRSPACE.

(3) HEATING CAPACITIES BASED AT 1°F AMBIENT AND 72°F INDOOR.

(4) COMPLETE WITH AIR-SOLUTION-COMPANY MEDIUM-DUTY COMMERCIAL COTTONWOOD CONDENSER FILTER SCREENS AND COTTONWOOD INTAKE FILTERS. SCREENS & FILTERS SHALL BE REMOVABLE FOR WASHING.

(5) TXV OPTION, FIELD INSTALLED OVERSIZED MOTOR, CRANKCASE HEATER.

(6) UNIT COMPLETE WITH 14" SPRING VIBRATION ISOLATION ROOF CURB.

(7) COMPLETE WITH 100% ECONOMIZER & 100% CENTRIFUGAL MODULATING POWER EXHAUST AND SINGLE POINT POWER CONNECTION TO RTU & ECONOMIZER.

(8) FACTORY MOUNTED STARTER & DISCONNECT.

(9) PROVIDE AND INSTALL EZ TRAP MODEL EZT-150 WATERLESS CONDENSATE TRAP FOR PRESSURE BLOW THRU SYSTEMS.

(10) COMPLETE FACTORY MOUNTED 115V CONVIENIENCE OUTLET. SEPARATE POWER CONNECTION PROVIDED BY DIV. 26.

(11) OPERATING WEIGHT INCLUDES CURB, SPRING VIBRATION ISOLATOR, ECONOMIZER, AND ERV IF APPLICABLE.

(12) DUCT SMOKE DETECTOR BY ELECTRICAL. LOCATE IN MAIN SUPPLY AND RETURN AIR DUCT(S) FROM AIR HANDLER. INSTALLATION SHALL COMPLY WITH THE INTERNATIONAL MECHANICAL CODE, UNIFORM FIRE CODE, NFPA 72E, THE AUTHORITY HAVING JURISDICTION. AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. DETECTOR SHALL BE RATED FOR 300 FEET PER MINUTE TO 4,000 FEET PER MINUTE AIR.

(13) COMPLETE WITH FACTORY MOUNTED CO2 SENSOR & PADKAGED IAQ CONTROL. CO2 MONITOR SHALL MODULATE ERV-72A IAQ DAMPER TO MAINTAIN 1000 PPM (FIELD ADJUSTABLE.)

(14) UNIT COMPLETE WITH FIELD MOUNTED FLUE DISCHARGE DEFLECTOR KIT PROVIDED BY THE MANUFACTURER. TERMINATION SHALL BE 2'-0" ABOVE THE FRESH AIR INTAKE. ADD METAL LIP EXTENSION AS NECESSARY IN ORDER TO ATTAIN THE 2'-0" VERTICAL CLEARANCE. COORDINATE ALTERNATE MANUFACTURERS IN THE SUBMITTALS.

(15) UNIT COMPLETE WITH STAINLESS STEEL GAS HEAT EXCHANGER.

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

MECHANICAL SCHEDULES

M601

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:02 AM Autodesk Docs://25004 - LCSD ECC Preschool Addition/25004_Mech_24.rvt

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	121342
DRAWN BY:	DB
CHECKED BY:	JLJ
ISSUED:	05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

BID DOCUMENT

MECHANICAL SCHEMATICS

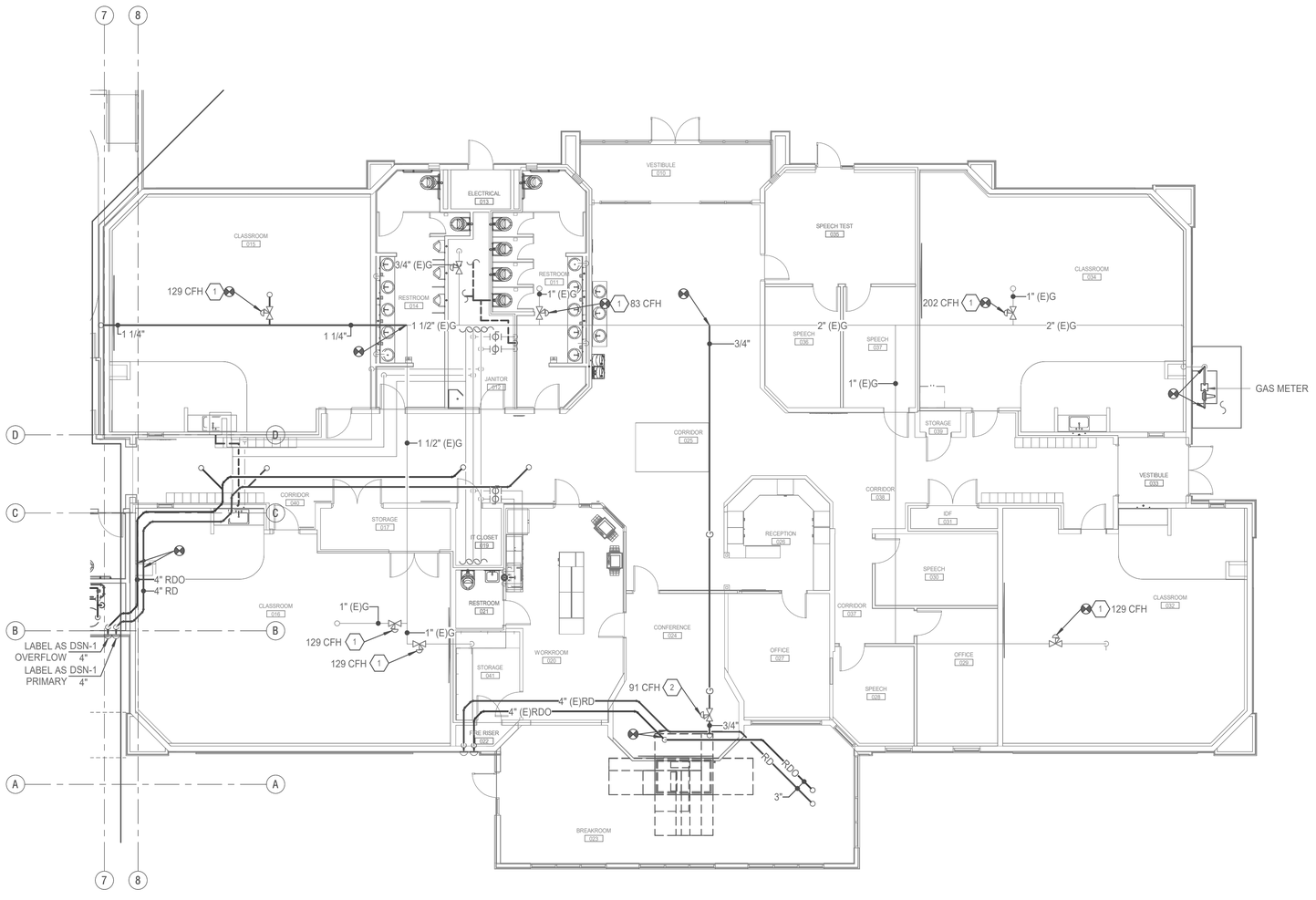
M701

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:02 AM Autodesk Docs://125684_LCSD ECC Preschool Addition/25415_Mech_24.rvt

KEYED NOTES

1. EXISTING 2 PSIG TO 4 OZ GAS PRESSURE REGULATOR. CFH AS NOTED.
2. NEW 2 PSIG TO 4 OZ GAS PRESSURE REGULATOR. CFH AS NOTED.



1 LEVEL 1 PLUMBING PLAN

1/8" = 1'-0"

NORTH

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

LEVEL 1 PLUMBING PLAN

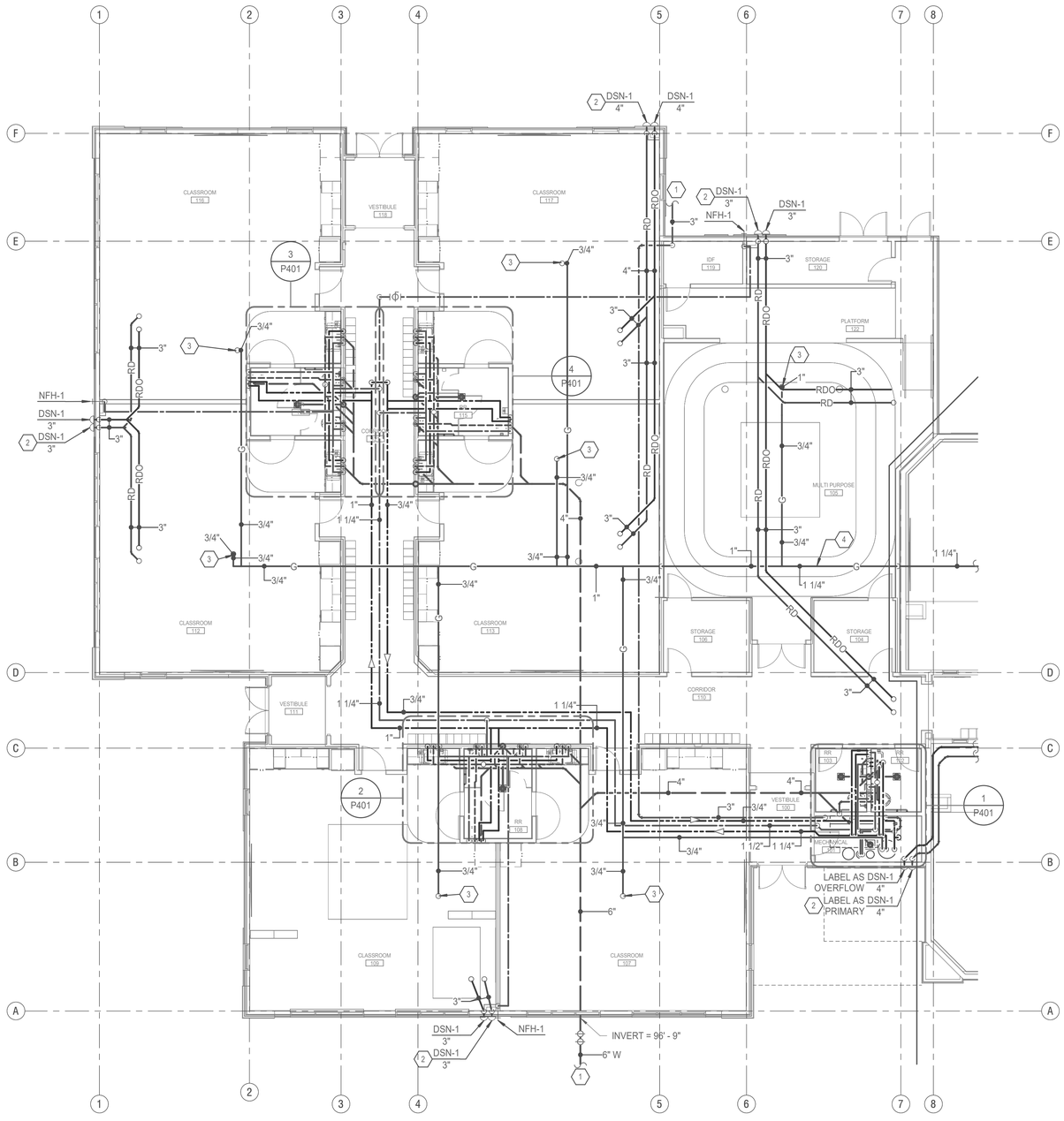
P101

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:49 AM Autodesk Docs://12054 - LCSD ECC Preschool Addition/12054 LC_Mech_24.rvt

KEYED NOTES

#	
1.	SEE CIVIL PLAN FOR CONTINUATION.
2.	LABEL RD DSN-1 AS "PRIMARY".
3.	2 PSIG GAS PIPING UP THRU ROOF. FLASH AND COUNTER FLASH ROOF PENETRATION..
4.	GAS PIPING TO RUN AS HIGH AS POSSIBLE.



1 LEVEL 1 PLUMBING PLAN - ADDITION

1/8" = 1'-0"

NORTH

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

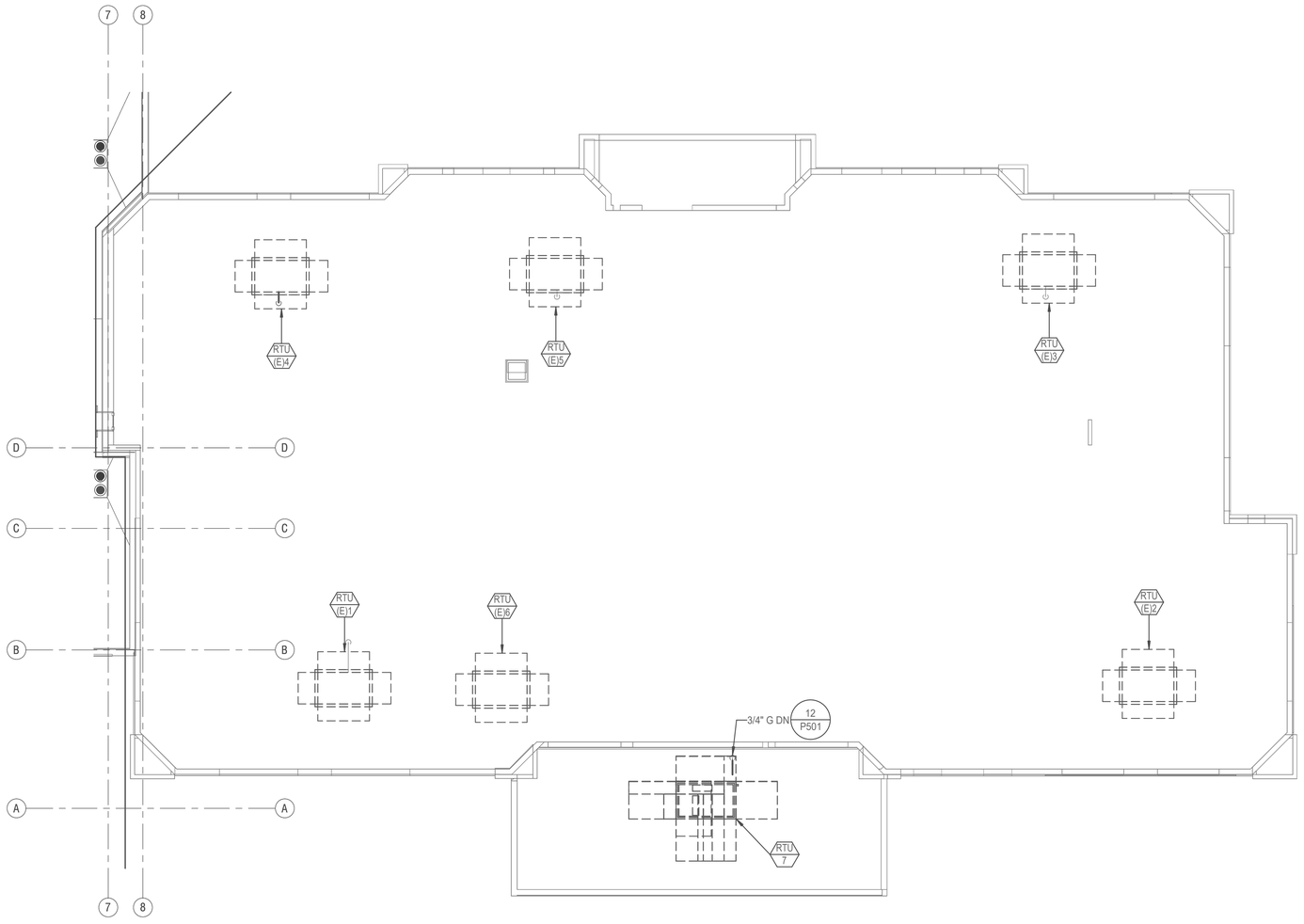
LEVEL 1 PLUMBING PLAN - ADDITION

P102

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:09 AM Autodesk Docs://17256A_LCSD EC Preschool Addition/25A16_Mech_24.rvt

KEYED NOTES
1. -



1 ROOF PLUMBING PLAN

1/8" = 1'-0"

NORTH

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	121342
DRAWN BY:	DB
CHECKED BY:	JLJ
ISSUED:	05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L. JENKINS
STATE OF UTAH

ROOF PLUMBING PLAN

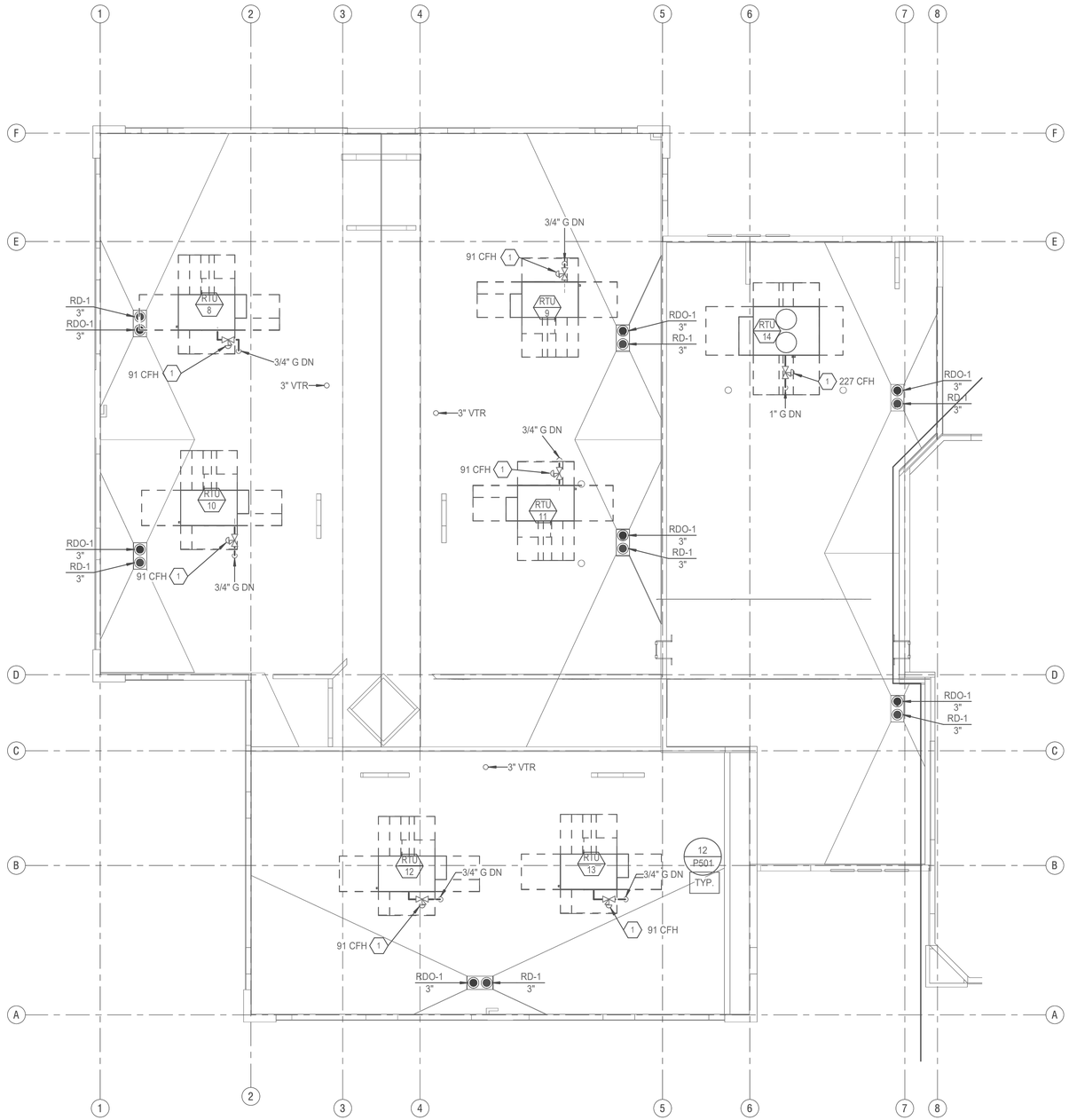
P103

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 9:44:19 AM Autodesk Docs://12504 - LCSD ECC Preschool Addition/25041R_Mech_24.rvt

KEYED NOTES

1. 2 PSIG TO 4 OZ GAS PRESSURE REGULATOR. CFH AS NOTED.



1 ROOF PLUMBING PLAN - ADDITION

1/8" = 1'-0"

NORTH

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

ROOF PLUMBING PLAN - ADDITION

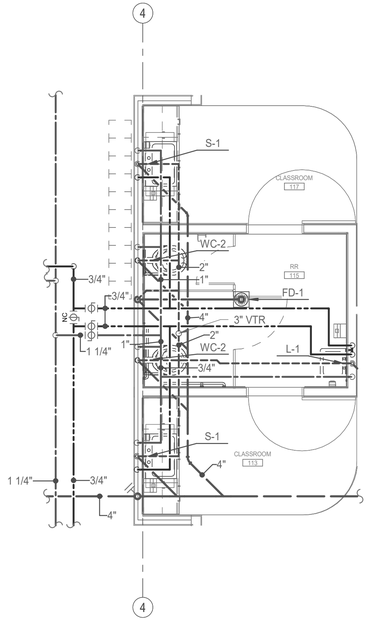
P104

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:12 AM Autodesk Docs://25054 LCSD ECC Preschool Addition/25054R_Mech_24.rvt

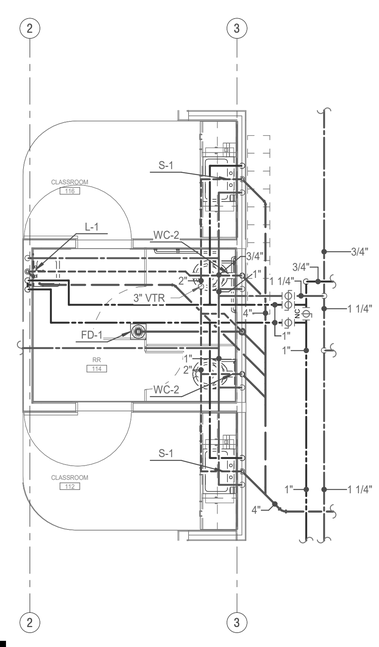
KEYED NOTES

#	
1.	-



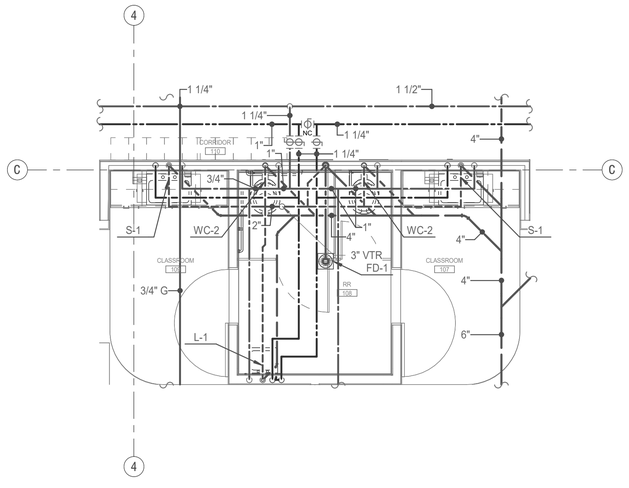
4 1/4" = 1'-0"

RR 115 PLUMBING PLAN



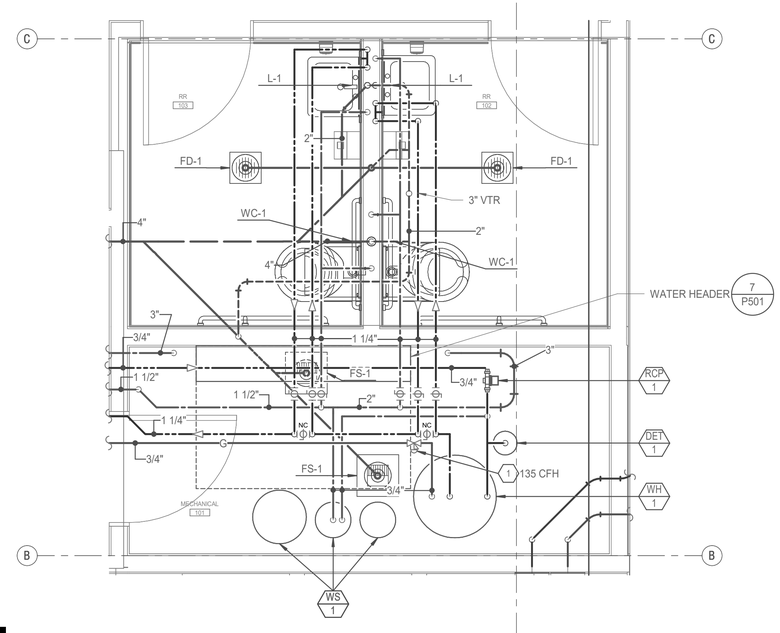
3 1/4" = 1'-0"

RR 114 PLUMBING PLAN



2 1/4" = 1'-0"

RR 108 PLUMBING PLAN



1 1/2" = 1'-0"

RR 102/103 PLUMBING PLAN

BID DOCUMENT

DESIGN WEST

LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DESCRIPTION:	DATE:

PROJECT #:	121342
DRAWN BY:	DB
CHECKED BY:	JLJ
ISSUED:	05.23.2025

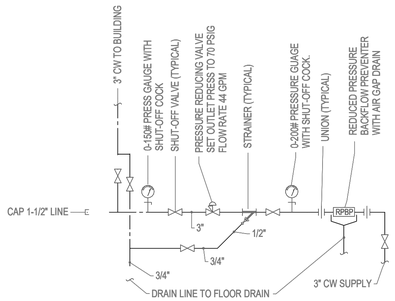
REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

ENLARGED PLUMBING PLANS

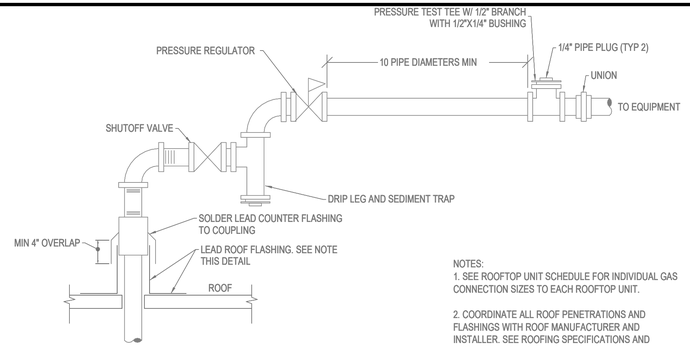
P401

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:16 AM Autodesk Docs://12564 - LCSD ECC Preschool Addition/12564_Mech_24.rvt



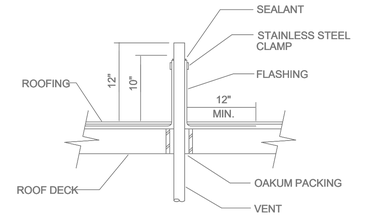
7 P501 WATER HEADER DETAIL
NO SCALE



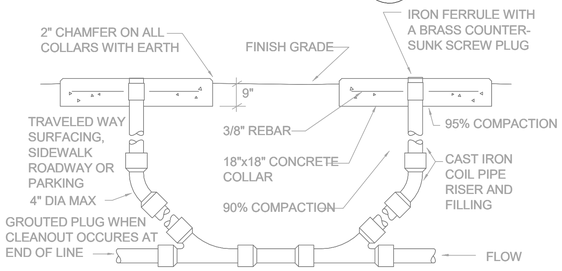
NOTES:
1. SEE ROOFTOP UNIT SCHEDULE FOR INDIVIDUAL GAS CONNECTION SIZES TO EACH ROOFTOP UNIT.

2. COORDINATE ALL ROOF PENETRATIONS AND FLASHINGS WITH ROOF MANUFACTURER AND INSTALLER. SEE ROOFING SPECIFICATIONS AND ARCHITECTURAL DETAILS.

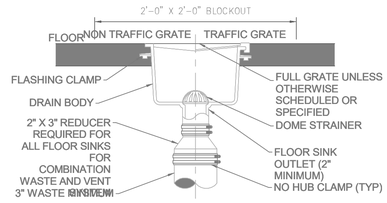
12 P501 GAS PIPE ROOF PENETRATION
NO SCALE



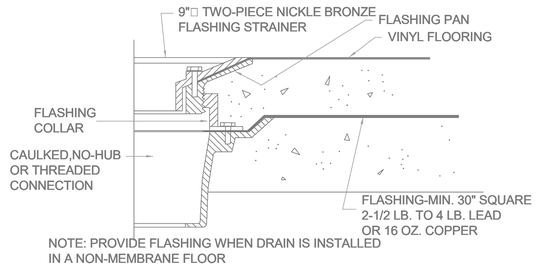
8 P501 VENT THRU ROOF FLASHING & SLEEVING
NO SCALE



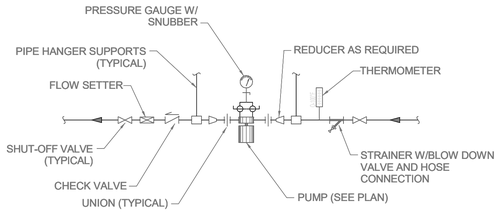
11 P501 DOUBLE CLEAN-OUT TO GRADE DETAIL (COTG)
NO SCALE



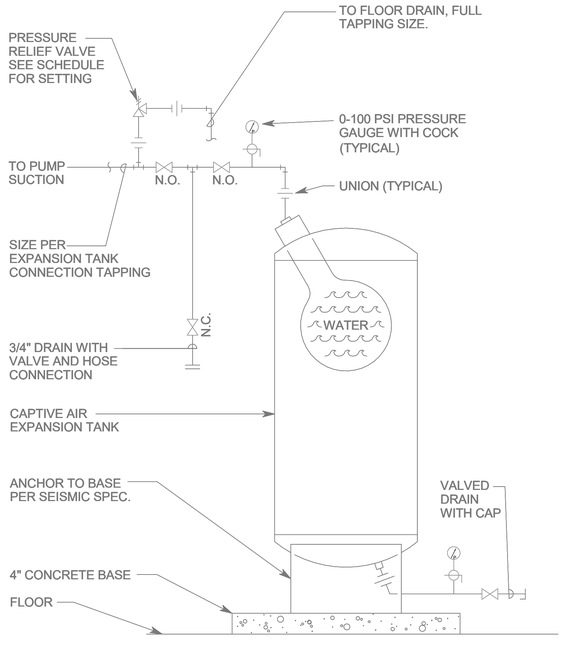
10 P501 FLOOR SINK
NO SCALE



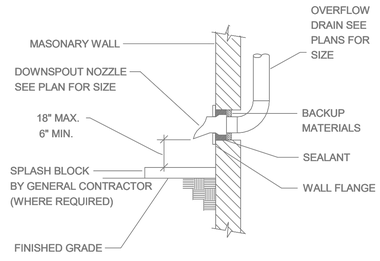
9 P501 FLOOR DRAIN
NO SCALE



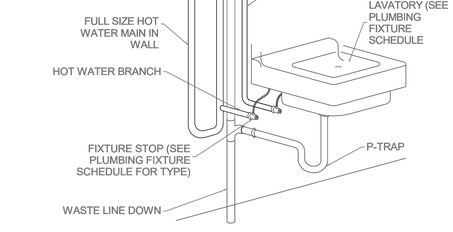
7 P501 IN-LINE PUMP DETAIL
NO SCALE



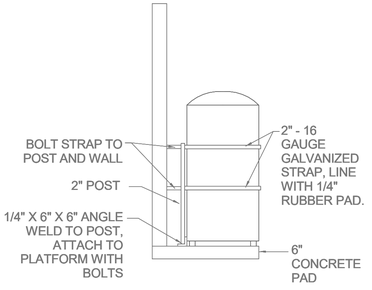
3 P501 EXPANSION TANK DETAIL
NO SCALE



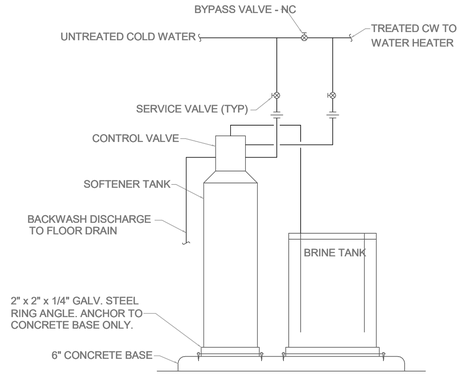
6 P501 DOWNSPOUT NOZZLE DETAIL
NO SCALE



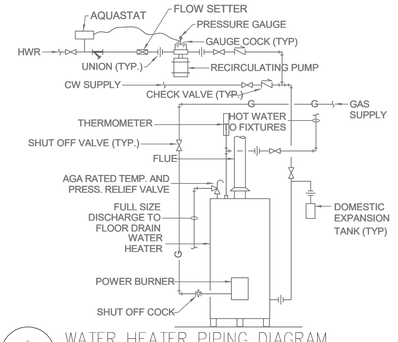
5 P501 LAVATORY PIPING DETAIL
NO SCALE



4 P501 DOMESTIC WATER HEATER ANCHORAGE
NO SCALE



2 P501 WATER SOFTENER DETAIL
NO SCALE



1 P501 WATER HEATER PIPING DIAGRAM
NO SCALE

BID DOCUMENT

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

PLUMBING DETAIL
P501

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:18 AM Autodesk Docs://120054 - LCSD ECC Preschool Addition/250415_Mech_24.rvt

DOMESTIC EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTOR MODEL NO.	SYSTEM SERVED	TYPE	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	RELIEF VALVE (PSI)	DIA/ HEIGHT (IN)	NPTM FITTING (IN)	REMARKS
DET-1	BELL & GOSSETT PT-5	WH-1	DIAPHRAM	2	0.9	112.5	8/12.625	3/4	

DOMESTIC PUMP SCHEDULE

		PUMP				MOTOR				
SYMBOL	MANUF. AND MODEL NO.	FLOW RATE (GPM)	HEAD (FT)	WORKING FLUID	PUMP TYPE	BHP	HP	RPM	VOLT/PH	REMARKS
RCP-1	B&G NBF-22	1.0	12.75	WATER	INLINE	92 Watts	1/25	2940	115	1

1. TO INCLUDE TC-1 AUTOMATIC TIMER AND AQS-3/4 AQUASTAT COMBINATION KIT.

GAS FIRED WATER HEATER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SERVICE	EFFICIENCY (%)	TANK SIZE (GAL)	INPUT (MBH)	RECOVERY RATE @ 100 F DELTA T	FLUE SIZE (IN)	HEIGHT/ DIAMETER/ (IN)	ELECTRICAL (AMPS)	ELECTRICAL V/PH	NOTES
WH-1	AO SMITH BTH-120	MECHANICAL	DOMESTIC	95	60	120	138 GPH	4	55.5/27.75	5	120/1	1,2,3

1. ELEVATION 4500 FT. OUTLET TEMPERATURE SHALL BE SET TO 130 DEGREES F.
2. UNIT COMPLETE WITH MODULATING BURNER, DIRECT SPARK IGNITION, LOX NOX OPERATION, SEALED COMBUSTION.
3. PROVIDE AND INSTALL AO SMITH MODEL 100112380 NEUTRALIZER ON EACH FLUE CONDENSATE.

WATER SOFTENER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	TOTAL (GRAINS)	NORMAL / MAX WATER FLOW/UNIT @ 15/25 PSI LOSS	BACKWASH FLOW RATE (GPM)	RESIN QUANTITY (FT^3)	RESIN TANK HGHT/DIA (IN/IN)	BRINE TANK HGHT/DIA (IN/IN)	ELECTRICAL (VOLT/PH)	NOTES
WS-1	PACIFIC A930TA-60	MECH. ROOM	DUPLEX	60,000	15/20	2.7	2	62/12	40/18	115	(1)

1. PACKAGED EQUIPMENT

NATURAL GAS REQUIREMENTS

EQUIP. NO.	QTY.	LOCATION	EQUIPMENT	EQUIP BTUH INPUT	TOTAL CFH
WH-1	**1**	**MECH RM**	**WATER HEATER**	**120,000**	**135**
RTU-7-13	**6**	**SEE PLANS**	**ROOFTOP UNIT**	**80,000**	**539**
RTU-14	**1**	**SEE PLANS**	**ROOFTOP UNIT**	**200,000**	**225**
(E)WH-1	**1**	**JANITOR 012**	**EXISTING WATER HEATER**	**75,000**	**84**
(E)RTU1,2,4,6	**4**	**EXISTING ROOF**	**EXISTING ROOFTOP UNIT**	**115,000**	**517**
(E)RTU-3	**1**	**EXISTING ROOF**	**EXISTING ROOFTOP UNIT**	**180,000**	**202**
(E)RTU-5	**1**	**EXISTING ROOF**	**EXISTING ROOFTOP UNIT**	**74,000**	**83**
TOTAL (BTUH) =	**1,589,000**				
BTU/CUBIC FT. =	890				
TOTAL CFH=	**1785**				

NEW 2 PSIG GAS METER TO BE INSTALLED BY GAS SUPPLIER AND PAID FOR BY CONTRACTOR.
METER COMPLETE WITH EARTHQUAKE VALVE.

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	SPECIFICATION
WC-1	ADA WATER CLOSET	1	-	4	2	WATER CLOSET (FLOOR MOUNTED, FLUSH VALVE, ADA): KOHLER K-96057, HIGHCLIFF ULTRA TOILET, FLOOR MOUNTED, VITREOUS CHINA, 1.28 GALLON FLUSH. ELONGATED BOWL DESIGN, SIPHON JET FLUSHING, 2-1/8" PASSAGEWAY AND 1-1/2" TOP SPUD. BEMIS 3155CT "DURAGUARD" WHITE, SOLID PLASTIC, OPEN-FRONT SEAT, LESS COVER. MANUAL OPERATED SLOAN ROYAL 111, 1.28 GPF FLUSH VALVE.
WC-2	PRIMARY WATER CLOSET	1	-	4	2	WATER CLOSET (FLOOR MOUNTED, FLUSH VALVE, ADA): KOHLER K-96064, PRIMARY TOILET, FLOOR MOUNTED, VITREOUS CHINA, 1.28 GALLON FLUSH. ELONGATED BOWL DESIGN, SIPHON JET FLUSHING, 1-7/8" PASSAGEWAY AND 1-1/2" TOP SPUD. KOHLER K-4686-A WHITE, SOLID PLASTIC, OPEN-FRONT SEAT, LESS COVER. MANUAL OPERATED SLOAN ROYAL 111, 1.28 GPF FLUSH VALVE.
L-1	WALL MOUNT LAVATORY	1/2	1/2	1 1/2	1 1/2	LAVATORY (WALL HUNG, RECTANGULAR, ADA COMPLIANT): KOHLER K2084-R, SOHO, 20" X 18" X 7" VITREOUS CHINA, WHITE FINISH, WALL MOUNT LAVATORY WITH RIGHT HAND SOAP DISPENSER DRILLING. MAC AUTOLUXE MODEL FA400-1200 HARD WIRED SENSOR FAUCET WITH CUSTOM CHROME FINISH, MANUFACTURER SHALL MATCH COLOR SAMPLE FROM ARCHITECT; 0.5 GPM AERATOR AND OPEN-GRID STRAINER; POWERS 480 TEMPERING VALVE UNDER COUNTER THERMOSTATIC MIXING VALVE WITH ZURN MODEL SXL STRAINERS AND ADDITIONAL ZURN MODEL 40XL CHECK VALVES ON HOT AND COLD WATER INLETS. FLEXIBLE SUPPLIES WITH LOOSE KEY ANGLE STOPS. GRAFF G-9970-PC POLISHED CHROME ROUND DECORATIVE P-TRAP. INSTALL DEVICES UNDER LAVATORY AS HIGH AS POSSIBLE TO MINIMIZE VISUAL IMPACT. ADJUST RUN TIME TO 12 SECONDS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
FD-1	FLOOR DRAIN	-	-	2	2	FLOOR DRAIN: SMITH 2005-A-U WITH 6-INCH CHROME STRAINER, CAST-IRON BODY, NO-HUB CONNECTION, 2" OUTLET SIZE.PROVIDE AND INSTALL TRAP GUARD TRAP SEAL.
FS-1	FLOOR SINK	-	-	4	2	FLOOR SINK: SMITH 3100-12 CAST IRON 8-1/2" SQUARE 6" DEEP RECEPTOR WITH ACID RESISTANT ENAMEL INTERIOR AND 3/4 GRATE. ALUMINUM DOME SUMP RECEIVER WITH STRAINER. FLASHING COLLAR. 4" SIZE. PROVIDE AND INSTALL TRAP GUARD TRAP SEAL.
HB-1	HOSE BIBB	3/4	-	-	-	HOSE BIBB: CHICAGO 293-CP ½" NPT FEMALE INLET, 3/4" MALE HOSE THREAD OUTLET, CHROME PLATED, ESCUTCHEON PLATE. CHICAGO E27JKCP INLINE VACUUM BREAKER 3/4" HOSE THREAD OUTLET.
NFH-1	NON FREEZE WALL HYDRANT	3/4	-	-	-	NON-FREEZE HYDRANT: SMITH 5509QT NON-FREEZE WALL HYDRANT FOR WALL THICKNESS SHOWN ON PLAN. BRONZE HYDRANT IN LOCKING BOX, 3/4-INCH CONNECTION WITH BRASS CASING, INTEGRAL SELF-DRAINING VACUUM BREAKER, AND LOOSE KEY. COORDINATE BOX COVER FINISH WITH ARCHITECT.
RD-1	ROOF DRAIN	-	-	-	-	ROOF DRAIN: J.R. SMITH 1010-R-C-CID CAST IRON ROOF DRAIN WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, SUMP RECEIVER, UNDER-DECK CLAMP AND CAST IRON DOME, PROVIDE ADJUSTABLE EXTENSIONS WHERE NECESSARY; ACCORDING TO ARCHITECTURAL DETAIL OF ROOF INSULATION THICKNESS.
RDO-1	ROOF DRAIN OVERFLOW	-	-	-	-	ROOF DRAIN OVERFLOW: J.R. SMITH 1080-R-C-CID CAST IRON ROOF DRAIN WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, 2" CAST IRON WATER DAM, SUMP RECEIVER, UNDERDECK CLAMP AND CAST IRON DOME. PROVIDE ADJUSTABLE EXTENSIONS WHERE NECESSARY; ACCORDING TO ARCHITECTURAL DETAIL OF ROOF INSULATION THICKNESS.
DSN-1	DOWN SPOUT NOZZLE	-	-	-	-	DOWNSPOUT NOZZLE: SMITH 1770-PB CAST BRONZE BODY AND FLANGE, POLISHED BRONZE FINISH. SIZE SHOWN ON DRAWINGS.
S-1	SINK	1/2	1/2	2	1 1/2	SINK (COUNTER MOUNTED SINGLE COMPARTMENT): ELKAY MODEL LRAD312255 31" X 22" X 5½" DEEP 18 GA STAINLESS STEEL SINK; LK-35 CUP STRAINER. CHICAGO NO. 786-GN8FCABCP WIDESPREAD LAVATORY FAUCET WITH PLAIN END GOOSENECK SPOUT AND 1.5 GPM FLOW CONTROL. HAWS 5054LF BUBBLER WITH SELF CLOSING LEVER HANDLE. PROVIDE AND INSTALL POWERS 480 UNDER COUNTER THERMOSTATIC MIXING VALVE WITH STRAINERS AND ADDITIONAL ZURN MODEL 40XL CHECK VALVES ON HOT AND COLD WATER INLETS. 17 GA CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
325 WEST 400 SOUTH
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 121342
DRAWN BY: DB
CHECKED BY: JLJ
ISSUED: 05.23.2025

REGISTERED PROFESSIONAL ENGINEER
No. 8388845-2202
JEDEDIAH L JENKINS
STATE OF UTAH

BID DOCUMENT

PLUMBING SCHEDULES

P601

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 10:44:18 AM Autodesk Docs://25004 - LCSD ECC Preschool Addition/25041N_Mech_24.rvt

GENERAL PROJECT NOTES

1. ALL ELECTRICAL INSTALLATIONS TO CONFORM TO THE LATEST NEC AND LOCAL CODES.
2. THE ELECTRICAL CONTRACTOR SHALL HAVE A COORDINATION MEETING WITH THE MECHANICAL CONTRACTOR, CONSTRUCTION SUPERINTENDANT AND ANY OTHER TRADES AS REQUIRED WITHIN SEVEN DAYS OF THE START OF THE JOB TO REVIEW CODE CLEARANCE REQUIREMENTS FOR PANELS, SWITCHES, AND OTHER ELECTRICAL GEAR SPECIFICALLY FOR THIS JOB. RECORD THE MEETING IN THE SUPERINDENT'S LOG. REPORT UNRESOLVED CONFLICTS TO THE ARCHITECT IMMEDIATELY.
3. ELECTRICAL CONTRACTOR'S PROJECT MANAGER AND ON-SITE PROJECT FOREMAN SHALL REVIEW VENDOR SUBMITTALS FOR ACCURACY PRIOR TO SUBMITTING TO ENGINEER. INACCURACIES SHALL BE CORRECTED PRIOR TO ENGINEER SUBMITTAL.
4. SUBMITTALS FOR EACH SYSTEM WILL BE REVIEWED BY ENGINEER UP TO TWO TIMES—ONE FULL SUBMITTAL FOR OVERALL COMPLIANCE AND ONE RESUBMITTAL. ADDITIONAL REVIEWS WILL BE CHARGED TO CONTRACTOR AT ENGINEER'S STANDARD BILLING RATE.
5. SUBMITTALS TO ENGINEER SHALL INCLUDE ALL SPECIFIED SYSTEMS IN FIRST SUBMITTAL. PARTIAL SUBMITTALS WILL BE RETURNED TO CONTRACTOR AS INCOMPLETE AND WILL BE CONSIDERED ONE OF TWO INCLUDED SUBMITTAL REVIEWS.
6. THE CLARITY OF RECORD DRAWING CHANGES MADE BY THE CONTRACTOR SHALL BE EQUAL TO THE ORIGINAL DRAWINGS AS JUDGED BY THE ARCHITECT OR THE RECORD SET WILL BE RETURNED TO THE CONTRACTOR FOR CLARIFICATION.
7. WHEN THE GENERAL CONTRACT CALLS FOR "RECORD" OR "AS-BUILT" DRAWINGS TO BE FURNISHED BY THE CONTRACTOR AT JOB COMPLETION, THE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO FURNISH A COMPLETE SET OF "BLUE-PRINT READY" AUTOCAD ELECTRICAL DRAWINGS FOR ALL CONTRACTOR GENERATED CHANGES FROM THE DRAWINGS OF A CLARITY EQUAL TO THE ORIGINAL DRAWINGS AS JUDGED BY THE ENGINEER. CONTACT ARCHITECT FOR DISKS OR REPRODUCIBLE ORIGINAL MEDIA. PROVIDE DRAWINGS ON CD IN AUTOCAD FORMAT.
8. DO NOT SCALE ELECTRICAL FLOOR PLANS. SEE ARCHITECTURAL DRAWINGS FOR ACCURATE DIMENSIONS AND FLOOR PLANS.
9. ELECTRICAL DEVICES CANNOT BE SHOWN TO SCALE AND SOMETIMES OVERLAP BUILDING ELEMENTS. REFER TO ARCHITECTURAL ELEVATIONS FOR ACCURATE MOUNTING LOCATIONS
10. ELECTRICAL CONTRACTOR SHALL CONTACT POWER COMPANY WITHIN THE FIRST WEEK OF THE START OF CONSTRUCTION AND NOTIFY THEM OF THE PROBABLE DATE WHEN THE NEW ELECTRICAL, TELEPHONE, AND/OR TV SERVICE CONNECTION WILL BE NEEDED.
11. CONTRACTOR SHALL LOCATE AND INSTALL TRANSFORMER PAD PER POWER COMPANY SPECIFICATIONS. VERIFY PROPER CLEARANCES FROM BUILDING AND OTHER EQUIPMENT BEFORE INSTALLATION. THE LOCATION OF THE TRANSFORMER SHOWN ON THE PLANS IS AN APPROXIMATE LOCATION.
12. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL PANEL CLEARANCES PER NEC 110.26 AND NOTIFY ALL OTHER TRADES ON THE JOB OF THESE CODE REQUIREMENTS.
13. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY WITH THE GENERAL CONTRACTOR ADEQUATE WALL DEPTH FOR MOUNTING FLUSH CIRCUIT BREAKER PANELS.
14. PANEL INDEXES SHALL INCLUDE ALL PERTINENT INFORMATION ON THE PANEL SCHEDULES INCLUDING INFORMATION ON LIGHTS AND OUTLETS. DO NOT SIMPLY COPY THE CIRCUIT DESCRIPTION COLUMN. INDEXES TO BE TYPEWRITTEN.
15. CONDUITS ENTERING MAIN PANEL FROM THE BOTTOM SHALL BE ARRANGED IN STRAIGHT ROWS FASTENED TO UNISTRUT. HOLES SHALL BE PUNCHED IN PANEL BOTTOM AND CONDUITS FASTENED BY TWO LOCKNUTS AND A CONDUIT BUSHING. CUTTING OUT THE BOTTOM OF THE PANEL IS NOT PERMITTED.
16. ALL PARALLEL CONDUCTORS TO BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 310.4. WIRE IS TO BE LAID ON A FLAT SURFACE FOR MEASUREMENT. USE TORQUE WRENCH ON TERMINATIONS.
17. COORDINATE MOUNTING HEIGHT AND LOCATION OF ALL OUTLETS, SWITCHES, AUXILIARY EQUIPMENT, AND OTHER DEVICES WITH THE ARCHITECTURAL DRAWINGS. PRIOR TO INSTALLATION, REVIEW WITH THE GENERAL CONTRACTOR THE LOCATION OF MILLWORK AS A FINAL CHECK TO PREVENT COVERING OF ELECTRICAL ITEMS.
18. MOUNTING HEIGHT OF GENERAL PURPOSE OUTLETS AND SWITCHES SHALL BE 16" TO BOTTOM AND 48" TO TOP RESPECTIVELY UNLESS OTHERWISE NOTED.
19. ALL ELECTRICAL EQUIPMENT SHALL BE LOCATED SO AS NOT TO INTERFERE WITH WOOD TRIM AND MOLDINGS. THE ELECTRICAL CONTRACTOR SHALL REVIEW FINISH SCHEDULES AND ARCHITECTURAL DETAILS BEFORE ROUGH-IN OF OUTLET OR SWITCH BOXES TO PREVENT BOXES AND PLATES FROM BEING PLACED BEHIND OR IN TRIMS AND MOLDINGS. REFER SPECIAL CONDITIONS TO ARCHITECT PRIOR TO ROUGH-IN
20. DO NOT INSTALL DISPOSAL SWITCHES OR GFCI PROTECTION BEHIND SINKS.
21. EMT IS NOT ALLOWED OUT OF DOORS.
22. DO NOT INSTALL FEEDERS OR CIRCUITING EXPOSED ON ROOFTOPS OR RUNNING HORIZONTALLY WITHIN 36" OF ROOFTOPS.
23. CIRCUIT WIRE SIZES MUST, AT MINIMUM, MATCH NEC REQUIRED CONDUUCTOR SIZES FOR CORRESPONDING OVERCURRENT PROCTECTIVE DEVICES. VERIFY WITH PANEL SCHEDULES BEFORE PULLING WIRE.
24. HOME RUNS MUST BE RUN EXACTLY AS SHOWN ON PLANS UNLESS OTHERWISE NOTED. DO NOT COMBINE HOME RUNS INTO ONE CONDUIT THAT ARE NOT SHOWN COMBINED ON THE DRAWINGS.
25. THE ELECTRICAL CONTRACTOR SHALL RUN BRANCH CIRCUIT CONDUITS IN ATTIC SPACES IN A NEAT AND WORKMANLIKE MANNER SO AS TO CONSERVE OPEN SPACES AS MUCH AS POSSIBLE. HVAC DUCTWORK AND PLUMBING SHALL HAVE LOCATION PRIORITY OVER BRANCH CIRCUIT CONDUIT RUNS.
26. CIRCUIT WIRING SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS. ANY DEVIATIONS SHALL BE INITIATED BY A CHANGE ORDER FROM THE ARCHITECT. OTHERWISE THE RECORD SET SHALL MATCH THE CONSTRUCTION SET.
27. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR, PULLED INTO THE CONDUIT WITH THE PHASE CONDUCTOR, IN ALL SERVICE, FEEDER, AND BRANCH CIRCUITS.
28. PROVIDE A NEUTRAL CONDUCTOR FOR EACH BREAKER TRIP HANDLE. NEUTRALS SHALL NOT BE SHARED BETWEEN BRANCH CIRCUITS.
29. ALL CIRCUITS TO BE MINIMUM #12 CU IN MINIMUM 3/4 " CONDUIT UNLESS OTHERWISE NOTED.
30. WHERE ALLOWED BY CODE, MC CABLE IS AN APPROVED ALTERNATE TO CONDUCTORS IN CONDUIT FOR CONCEALED BRANCH CIRCUIT WIRING BETWEEN DEVICES, BUT NOT FOR HOME-RUNS. HOME RUNS TO BE RAN IN CONDUIT COMPLETE FROM PANEL TO FIRST DEVICE OR FIXTURE ON CIRCUIT.
31. DO NOT INSTALL MORE THAN THREE PHASE CONDUCTORS IN ANY HOME-RUN CONDUITS UNLESS SPECIFICALLY INDICATED ON DRAWINGS.
32. INCLUDE AS PART OF THE JOB THE INSTALLATION OF AN EXTRA 200 FT OF 3/4" EMT WITH 4 #10 WIRES INSTALLED AND TWO J-BOX TERMINATIONS.
33. IDENTIFY ALL OUTLET COVER PLATES WITH THE PANEL AND CIRCUIT NUMBER.
34. DO NOT INSTALL ELECTRICAL BOXES BACK-TO-BACK IN PARTITION WALLS. LOCATE DEVICES ON OPPOSITE SIDES OF STUD OR PROVIDE MINIMUM 12 " HORIZONTAL SEPARATION.
35. A GFI OUTLET SHALL BE INSTALLED AT EACH LOCATION DESIGNATED BY "GFI" ON THE DRAWINGS. DOWNSTREAM PROTECTION BY A GFI OUTLET UPSTREAM IS NOT ALLOWED.
36. OUTLETS, SWITCHES, AND COVER PLATES TO BE COLOR CODED (BROWN, WHITE, IVORY, OR GRAY) TO THE WALL THEY ARE MOUNTED ON AS DIRECTED BY THE ARCHITECT.
37. ALL CONVENIENCE OUTLETS MUST BE MOUNTED FLUSH WITH THE COVER PLATE AND SECURED FIRMLY TO THE OUTLET BOX.
38. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO MAKE SURE OUTLET BOXES ARE SET FLUSH WITH FINISH WALL SURFACES WHERE WALL PANELING OR ACOUSTICAL WALLS ARE INSTALLED OR WHERE OUTLETS ARE INSTALLED ON CARPETED RISERS.
39. GFI OUTLETS SHALL BE INSTALLED AND/OR CIRCUITED SO THAT THE TRIPPING OF A GFI OUTLET IN A STUDENT ACCESSED AREA WILL NOT SHUT OF ANY DOWN-STREAM OUTLETS.
40. REMOVE ALL OLD AND/OR UNUSED EXISTING CONDUIT AND ELECTRICAL APPARATUS FROM EXTERIOR OR INTERIOR EXPOSED SURFACES.
41. WHERE EXISTING ELECTRICAL EQUIPMENT IS TO REMAIN BUT THE SURFACE THAT IT IS MOUNTED ON IS TO BE REWORKED UNDER OTHER CONTRACTS, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND INSTALL OR MODIFY THE EXISTING EQUIPMENT AS REQUIRED TO MEET THE DESIGN INTENT. SEE ARCHITECTURAL DRAWINGS FOR ROOF, CEILINGS, WALLS, SOFFITS, FLOORS, ETC.
42. REMOVE ALL UNUSED CONDUITS AND CIRCUITS IN THE DEMOLTIONED AREA AS THEY ARE IDENTIFIED AS UNUSED OR ABANDONED.
43. REMOVE ALL EXISITING ELECTRICAL DEVICES, EQUIPMENT, AND APPARATUS AS THEY ARE IDENTIFIED AS UNUSED OR ABANDONED.
44. RELOCATE EXISTING CONDUITS AND CIRCUITS AS REQUIRED THAT ARE PRESENTLY SERVING EQUIPMENT THAT IS INTENDED TO REMAIN IN SERVICE BUT SAID CONDUITS ARE CURRENTLY RUNNING THROUGH AREAS TO BE DEMOLITIONED.
45. WHERE EXISTING CONDUIT RUNS ARE RE-USED BY SPECIAL PERMISSION FROM THE ARCHITECT, A SEPARATE GREEN, INSULATED GROUND WIRE SHALL BE PULLED IN THE CONDUIT AND BONDED AT EACH END AS REQUIRED.
46. ALL PATCH, REPAIR, REPAINT AND COVER UP REQUIRED AS A RESULT OF ELECTRICAL REMODEL IS TO BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, BUT ACTUAL WORK IS TO BE PERFORMED BY QUALIFIED PERSONNEL
47. RE-ROUTE EXISTING CIRCUIT CONDUITS AS REQUIRED AT ALL AREAS WHERE EXISTING WALLS ARE TO BE DEMOLITIONED OR HAVE DOORWAYS CUT IN THEM. PLAN ON AN AVERAGE OF ONE, 3/4 " CONDUIT RELOCATION FOR EACH PENETRATION OR WALL REMOVAL.
48. FIELD VERIFY CONDITIONS FOR NEW WIRING. SURFACE RACEWAYS MUST RECEIVE PRIOR APPROVAL FROM THE ARCHITECT AND OWNER AND WILL BE EVALUATED ON A CASE BY CASE BASIS IN THE FIELD. SURFACE RACEWAYS MUST BE PAINTED TO MATCH THE SURFACE ON WHICH THEY ARE MOUNTED.
49. ALL RECESSED LIGHT FIXTURES MUST CONFORM TO NEC 410
50. ALL RECESSED LIGHT FIXTURES THAT PENETRATE THE BUILDING THERMAL ENVELOPE SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND INTERIOR WALL OR CEILING COVERING
51. COORDINATE LOCATION OF CEILING LIGHT FIXTURES WITH THE REFLECTED CEILING PLAN.
52. FIXTURE COUNTS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO VERIFY FIXTURE COUNTS AS PART OF BIDDING PROCESS.
53. ELECTRICAL CONTRACTOR SHALL VERIFY CEILING THICKNESSES AND USE CEILING TRIM EXTENDERS ON DOWNLIGHTS AS REQUIRED.
54. ELECTRICAL CONTRACTOR SHALL REVIEW THE EXACT LOCATION OF ALL SKYLIGHTS WITH THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN OF CEILING OUTLET BOXES.
55. COORDINATE LOCATION OF ALL CLOSET LIGHTS WITH MILLWORK. CENTER OUTLET BOX FOR LIGHT FIXTURE 6" FROM WALL ABOVE DOOR.
56. SUPPORT RECESSED T-BAR MOUNT FIXTURES WITH FOUR EXTRA GALVANIZED WIRE SUPPORTS ON OPPOSITE CORNERS PER IBC. CONNECT WIRES TO BUILDING STRUCTURE.
57. CONNECT EMERGENCY CIRCUIT OF EMERGENCY LIGHT BATTERY PACK TO UNSWITCHED LIGHTING CIRCUIT SERVING FIXTURES IN AREA. INSTALL EXTRA CONDUCTORS AS REQUIRED. WIRE SO LAMPS IN NORMAL MODE ARE CONTROLLED AS NOTED ON LIGHTING PLANS. PROVIDE ADDITIONAL BALLASTS AS REQUIRED.
58. WHERE LIGHT FIXTURES AS SPECIFIED AS COLOR PER ARCHITECT, THIS SHALL BE INTERPRETED AS A NON-STANDARD COLOR
59. THE CONTRACTOR SHALL PROVIDE A WIRE MESH COVER OVER ALL RECESSED LIGHTS TO KEEP BLOWN IN INSULATION AT LEAST THREE INCHES AWAY FROM THE FIXTURE HOUSING.
60. EMERGENCY LIGHT BATTERY PACKS SHALL BE CONNECTED SO AS TO BE ABLE TO OPERATE IN THE TEST MODE WHEN THE NORMAL SWITCH LEG IS TURNED ON, AND SHALL ILLUMINATE ONE FIXTURE LAMP UNLESS OTHERWISE NOTED.
61. OVER-MIRROR WALL LIGHTS ARE TO BE MOUNTED SO THE LENS FACES DOWNARD.
62. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW ALL SWITCH LOCATIONS WITH THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN TO PREVENT ANY SWITCHES FROM BEING LOCATED ON THE WRONG SIDE OF THE DOOR.
63. COORDINATE LOCATION OF EXIT LIGHTS WITH ARCHITECT.
64. INSTALL MANUAL OVERRIDE ON PARKING LIGHTS.
65. COORDINATE LOCATION OF LIGHT FIXTURES IN MECHANICAL ROOMS WITH MECHANICAL EQUIPMENT. DETERMINE FINAL FIXTURE LOCATIONS AFTER DUCTWORK INSTALLATION HAS BEEN COMPLETED. CHAIN SUSPEND FIXTURES UNDER DUCTWORK AND CONDUIT RACKS AS REQUIRED.
66. FIELD VERIFY MOUNTING OF SURFACE FIXTURES SHOWN IN CONTINUOUS ROWS. MAKE ADJUSTMENTS SIDEWAYS OR UNDER OBSTRUCTIONS AS REQUIRED AND PROVIDE NECESSARY RACEWAY CONNECTIONS.
67. PENDANT FIXTURES SHALL HAVE SEISMIC RATED PENDANT CONNECTIONS AND SWIVEL JOINTS.
68. VERIFY FIXTURE COUNT WITH REFLECTED CEILING PLAN.
69. EXHAUST FANS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
70. REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT.
71. ELECTRICAL CONTRACTOR SHALL FURNISH ALL MOTOR DISCONNECTS, STARTERS, AND CONTROL STATIONS FOR MECHANICAL EQUIPMENT UNLESS THE SAME IS FURNISHED AS AN INTEGRAL PART OF THE EQUIPMENT. VERIFY WITH MECHANICAL CONTRACTOR PRIOR TO BID.
72. THERMOSTAT AND CONTROL WIRING FOR MECHANICAL EQUIPMENT BY MECHANICAL CONTRACTOR. CONTROL RACEWAYS BY ELECTRICAL CONTRACTOR
73. ELECTRICAL CONTRACTOR SHALL COORDINATE THE ROUTING OF CONDENSATE LINES ON MECHANICAL PADS WITH THE MECHANICAL CONTRACTOR. WIREWAYS AND DISCONNECTS REQUIRE 3-FEET FRONTAL CLEARANCE AND A MINIMUM 30" WIDTH CLEARANCE, OR THE WIDTH OF THE UNIT, WHICHEVER IS GREATER.
74. PROVIDE SAFETY DISCONNECTS AS REQUIRED AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT. PROVIDE FUSING AND RATINGS PER NAMEPLATE INFORMATION OF EQUIPMENT SERVED.
75. WHERE AUTOMATIC SPRINKLER CONTROLS ARE SHOWN ON THE LANDSCAPE OR ARCHITECTURAL DRAWINGS, PROVIDE A FLUSH SINGLE-GANG J-BOX BEHIND THE CONTROL AND CONNECT TO THE NEAREST OUTLET CIRCUIT WITH AVAILABLE CAPACITY.
76. INSTALL WEATHERPROOF GFI DUPLEX OUTLETS ADJACENT TO EACH ROOFTOP HVAC UNIT (UNLESS OUTLET IS PROVIDED AS PART OF EQUIPMENT). SEE MECHANICAL PLANS AND SPECIFICATIONS.
77. LOCATE OUTLETS FOR ELECTRIC WATER COOLERS SO THAT THE OUTLET AND CORDS ARE CONCEALED FROM VIEW.
78. DISCONNECT SWITCHES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL ELECTRICAL SWITCHES AND MOTOR CONTROL FOR PROPER CODE CLEARANCES. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS WITH OTHER TRADES REGARDING PROPER EQUIPMENT CLEARANCES.
79. ALL DISCONNECT SWITCHES FOR MOTORS SHALL BE RATED A MINIMUM OF 22000 AIC UNLESS OTHERWISE SHOWN.
80. COORDINATE LOCATION OF THERMOSTATS, SENSORS, AND ATC JUNCTION BOXES WITH MECHANICAL CONTRACTOR BEFORE INSTALLATION.
81. BEFORE RUNNING CONDUITS, PLACING OUTLETS OR ORDERING EQUIPMENT, THE CONTRACTOR SHALL REVIEW THE SPECIFICATIONS AND DESIGN AND SHOP DRAWINGS OF THE OTHER TRADES SERVED BY THE CONDUIT, OUTLETS, AND/OR EQUIPMENT.
82. PROVIDE NEUTRAL CONNECTION TO 208/240/480V, SINGLE-PHASE EQUIPMENT. RUN SEPARATE GROUND WIRE TO ALL OUTDOOR UNITS AND BOND TO THE EQUIPMENT GROUND LUG.
83. ELECTRICAL CONTRACTOR SHALL INSTALL A PULL STRING IN ALL COMMUNICATIONS, SECURITY, AND OTHER LOW VOLTAGE CONDUITS FOR USE BY LOW VOLTAGE SYSTEM CONTRACTOR.
84. ELECTRICAL CONTRACTOR SHALL INSTALL A PULL STRING IN ALL UNUSED POWER AND LIGHTING CONDUITS.
85. WHERE THE MECHANICAL CONTRACTOR HAS INSTALLED SMOKE DETECTORS WITHIN ANY DUCTWORK, THE ELECTRICAL CONTRACTOR SHALL INSTALL ADDITIONAL HARDWARE AND CONTROL WIRING TO THE FIRE-ALARM PANEL AS REQUIRED FOR FIRE-ALARM DETECTION AND NOTIFICATION. PROVIDE ADDITIONAL SMOKE DETECTOR IF FACTORY INSTALLED DETECTOR IS INCOMPATIBLE WITH FIRE-ALARM SYSTEM.
86. INSTALL CEILING SMOKE AND HEAT DETECTORS A MINIMUM OF THREE FEET AWAY FROM ANY SUPPLY AIR DUCT.
87. FIELD VERIFY THE EXACT LOCATION OF THE MAIN FIRE ALARM PANEL WITH THE ARCHITECT PRIOR TO INSTALLATION.
88. COORDINATE LOCATION OF ALL FIRE ALARM DEVICES WITH NFPA AND ADA REQUIREMENTS. COORDINATE LOCATIONS WITH MILLWORK AS REQUIRED.
89. REVIEW THE STATE DESIGN REQUIREMENTS MANUAL PRIOR TO BID
90. WHERE THERE ARE CONFLICTS IN THE DRAWINGS AND/OR SPECIFICATIONS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BID. WHERE NO NOTIFICATION IS GIVEN THE MORE STRINGENT INTERPRETATION (GENERALLY INTERPRETED TO BE THE MORE COSTLY) WILL BE ENFORCED.

ELECTRICAL LEGEND

ANNOTATIONS

X / XXX	DETAIL CALL-OUT; TOP "X" REFERS TO DETAIL NUMBER & BOTTOM "XXX" REFERS TO SHEET NUMBER
#	KEYED NOTE CALLOUT
#-#	EQUIPMENT CALLOUT
#-#	PRODUCTION EQUIPMENT CALLOUT
xCDy	COMMUNICATIONS RACEWAY: "x" CONDUITS OF "y" DIAMETER

LIGHTING FIXTURES

FIXTURE LUMEN INDICATOR / FIXTURE TYPE — XXX - X XX (X) — FIXTURE ACCESSORY APPEND / FIXTURE SIZE INDICATOR

	EMERGENCY LIGHT
	BATTERY PACK
	EXIT LIGHT: CEILING - FACE(S) AS SHOWN
	EXIT LIGHT: WALL - FACE(S) AS SHOWN
	EXIT LIGHT: FACE SIDE
	EXIT LIGHT: DIRECTIONAL ARROWS, DOUBLE FACE
	RECESSED FIXTURE
	STRIP LIGHT
	LINEAR FIXTURE
	EMERGENCY FIXTURE
	WALL MOUNT FIXTURE
	POLE LIGHT; ONE HEAD
	POLE LIGHT; TWO HEAD
	DECORATIVE POLE LIGHT
	CEILING FIXTURE
	SUSPENDED FIXTURE

LIGHTING CONTROL

GENERAL CONTROLS

S_X	"x" POLE SWITCH - ARC FAULT INTERRUPTER
D_L	DIMMER SWITCH: LED; 600 W MINIMUM - ARC FAULT INTERRUPTER
S_{DT}	OCCUPANCY SENSOR: DUAL TECHNOLOGY
S_{VS}	OCCUPANCY SENSOR: VACANCY SENSOR FUNCTION
S_{OS}	OCCUPANCY SENSOR: OCCUPANCY SENSOR FUNCTION
$S_{\#}$	OCCUPANCY SENSOR: # INDICATES WATTSTOPPER CAT# FOR COVERAGE PATTERN OR EQUIVALENT AS SPECIFIED
P	PHOTOCELL
	PUSH BUTTON

LOCAL CONTROLS

S^X	SINGLE POLE SWITCH; "x" INDICATES SWITCH GROUP
S_3	THREE WAY SWITCH
S_4	FOUR WAY SWITCH
S_K	SWITCH: KEYED
D_L	DIMMER SWITCH: LED; 600 W MINIMUM
D VS	DIMMER SWITCH WITH WALL MOUNT OCCUPANCY SENSOR: ADAPTIVE TECHNOLOGY
VS	WALL MOUNT OCCUPANCY SENSOR: VACANCY SENSOR FUNCTION
OS	WALL MOUNT OCCUPANCY SENSOR: OCCUPANCY SENSOR FUNCTION

CENTRAL SYSTEM CONTROLS (SEE LIGHTING CONTROL SCHEDULES FOR COMPLETE INFORMATION)

$S_{LSX/SY}$	DIGITAL LIGHTING CONTROL TOGGLE; SX = SWITCH CONTROL TYPE #1; SY = SWITCH CONTROL TYPE #2; ETC.
S_{DL}	SWITCH: DAYLIGHT ZONE AS DETAILED
$S_{LO\#}$	OCCUPANCY SENSOR: LIGHTING CONTROL SYSTEM; O# = LIGHTING CONTROL TYPE
P DR	PHOTOCELL: DAYLIGHT RESPONSIVE FOR CONTINUOUS DIMMING APPLICATIONS.
P LP#	PHOTOCELL: INTEGRATED TO LIGHTING CONTROL SYSTEM; P# = LIGHTING CONTROL TYPE
$D_{LDX/DY}$	DIGITAL LIGHTING CONTROL DIMMING SWITCH; DX = SWITCH CONTROL TYPE #1; DY = SWITCH CONTROL TYPE #2; ETC.

BRANCH CIRCUITING

	SIMPLEX OUTLET
	SIMPLEX OUTLET: GROUND FAULT INTERRUPTER
USB	SIMPLEX OUTLET WITH (2)USB; LEVITON T5830 SERIES OR EQUIVALENT
NL	SINGLE RECEPTACLE WITH INTEGRAL LED NIGHT LIGHT; (LEVITON T6525 OR EQUIVALENT)
	DUPLEX OUTLET
	FACELESS GFCI PROTECTION DEVICE
	DUPLEX OUTLET: GROUND FAULT INTERRUPTER
EWC	ELECTRIC WATER COOLER OUTLET: GFCI UNLESS NOTED
	DUPLEX OUTLET: EMERGENCY SOURCE - RED DEVICE AND PLATE UNLESS OTHERWISE SPECIFIED
	DUPLEX OUTLET: ISOLATED GROUND - ORANGE DEVICE AND PLATE UNLESS OTHERWISE SPECIFIED
WP	DUPLEX OUTLET: WEATHERPROOF
WPIU	DUPLEX OUTLET: WEATHERPROOF-IN-USE COVER
	DOUBLE DUPLEX OUTLET
	DOUBLE DUPLEX OUTLET: GROUND FAULT INTERRUPTER
FPCS F1 F12 F2 F22 F22S (J)	FLUSH IN USE FLOOR BOX. NUMERIC VALUES GIVEN FOR "P" AND "C" REPRESENT: P = QUANTITY OF DUPLEX RECEPTACLES C = QUANTITY OF DATA PORTS S = DESIGNATION REPRESENTS PROVISIONS FOR OWNER AUXILIARY SYSTEMS CONNECTIONS SEE FLOOR BOX SCHEDULE FOR FURTHER DESCRIPTION
WPCS W1 W12 W2 W22 W2ZS (J)	FLUSH IN USE WALL BOX. NUMERIC VALUES GIVEN FOR "P" AND "C" REPRESENT: P = QUANTITY OF DUPLEX RECEPTACLES C = QUANTITY OF DATA PORTS S = DESIGNATION REPRESENTS PROVISIONS FOR OWNER AUXILIARY SYSTEMS CONNECTIONS SEE FLOOR BOX SCHEDULE FOR FURTHER DESCRIPTION
J	JUNCTION BOX
J FP	MODULAR FURNITURE CONNECTION: POWER (4SD BOX; 2-GANG MUD-RING: COVER PLATE WITH 1" K.O. AND FLEXIBLE WHIP TO FURNITURE)
	DISCONNECT; NO OVER-CURRENT PROTECTION
	DISCONNECT WITH OVER-CURRENT PROTECTION (CIRCUIT BREAKER STYLE OR AS SPECIFIED)
Sm	MOTOR PROTECTIVE THERMAL SWITCH
SSSU	MOTOR PROTECTIVE FUSED THERMAL SWITCH
	QUANTITY OF CONDUCTORS: SHORT LINES = PHASE /SWITCH, LONG LINES = NEUTRAL
	HOME-RUN

POWER AND DISTRIBUTION

	DISTRIBUTION PANEL
	PANELBOARD
	METER / METER SOCKET

COMMUNICATIONS

	COMMUNICATIONS RACK
	DATA RACK; FREE STANDING CABINET
CMJ	COMMUNICATIONS RACEWAY; OPEN D-RINGS OR J-HOOKS. SEE DETAILS AND SPECIFICATIONS
CMCx	COMMUNICATIONS RACEWAY: "x" 4" CONDUITS, UNLESS OTHERWISE NOTED
LR#	COMMUNICATIONS LADDER RACK. SEE SPECIFICATIONS AND / OR SCHEDULES
CT#	COMMUNICATIONS RACEWAY CABLE TRAY. SEE SPECIFICATIONS AND / OR SCHEDULES
	PHONE BACKBOARD
	COMMUNICATIONS ENCLOSURE
	TELEVISION OUTLET (4-11/16"sq x 2-3/4"D J-BOX; 5/8",1-GANG MUD RING; 1" CONDUIT, (1)RG-6 COAX)
	COMMUNICATIONS OUTLET, 1-PORT DEVICE, COMMUNICATIONS BOX (SEE COMMUNICATIONS RACEWAY SCHEDULE); 1.25" CONDUIT; 4-PORT KEYSTONE FACEPLATE; (1)CAT 6A CABLE/JACK
	COMMUNICATIONS OUTLET, 2-PORT DEVICE, COMMUNICATIONS BOX (SEE COMMUNICATIONS RACEWAY SCHEDULE); 1.25" CONDUIT; 4-PORT KEYSTONE FACEPLATE; (2)CAT 6A CABLES/JACKS
	COMMUNICATIONS OUTLET, 3-PORT DEVICE, COMMUNICATIONS BOX (SEE COMMUNICATIONS RACEWAY SCHEDULE); 1.25" CONDUIT; 4-PORT KEYSTONE FACEPLATE; (3) CAT 6A CABLES/JACKS
	COMMUNICATIONS OUTLET, 6-PORT DEVICE, COMMUNICATIONS BOX (SEE COMMUNICATIONS RACEWAY SCHEDULE); 1.25" CONDUIT; 4-PORT KEYSTONE FACEPLATE; (2)CAT 6A CABLES/JACKS
W	COMMUNICATIONS OUTLET, WALL PHONE, 2-PORT DEVICE, COMMUNICATIONS BOX (SEE COMMUNICATIONS RACEWAY SCHEDULE); 1.25" CONDUIT; 4-PORT KEYSTONE FACEPLATE; (2) CAT 6A CABLES/JACKS
WAP	COMMUNICATIONS OUTLET, WIRELESS ACCESS POINT,2-PORT DEVICE, COMMUNICATIONS BOX (SEE COMMUNICATIONS RACEWAY SCHEDULE); 1.25" CONDUIT; 4-PORT KEYSTONE FACEPLATE; (2)CAT 6A CABLES/JACKS
X FC	MODULAR FURNITURE CONNECTION: COMMUNICATIONS (FURNITURE BOX PER COMMUNICATIONS RACEWAY SCHEDULE WITH 2" FLEXIBLE WHIP TO FURNITURE; (2)1.5" INCOMING CONDUIT; "X" CAT 6A CABLES)

FIRE ALARM

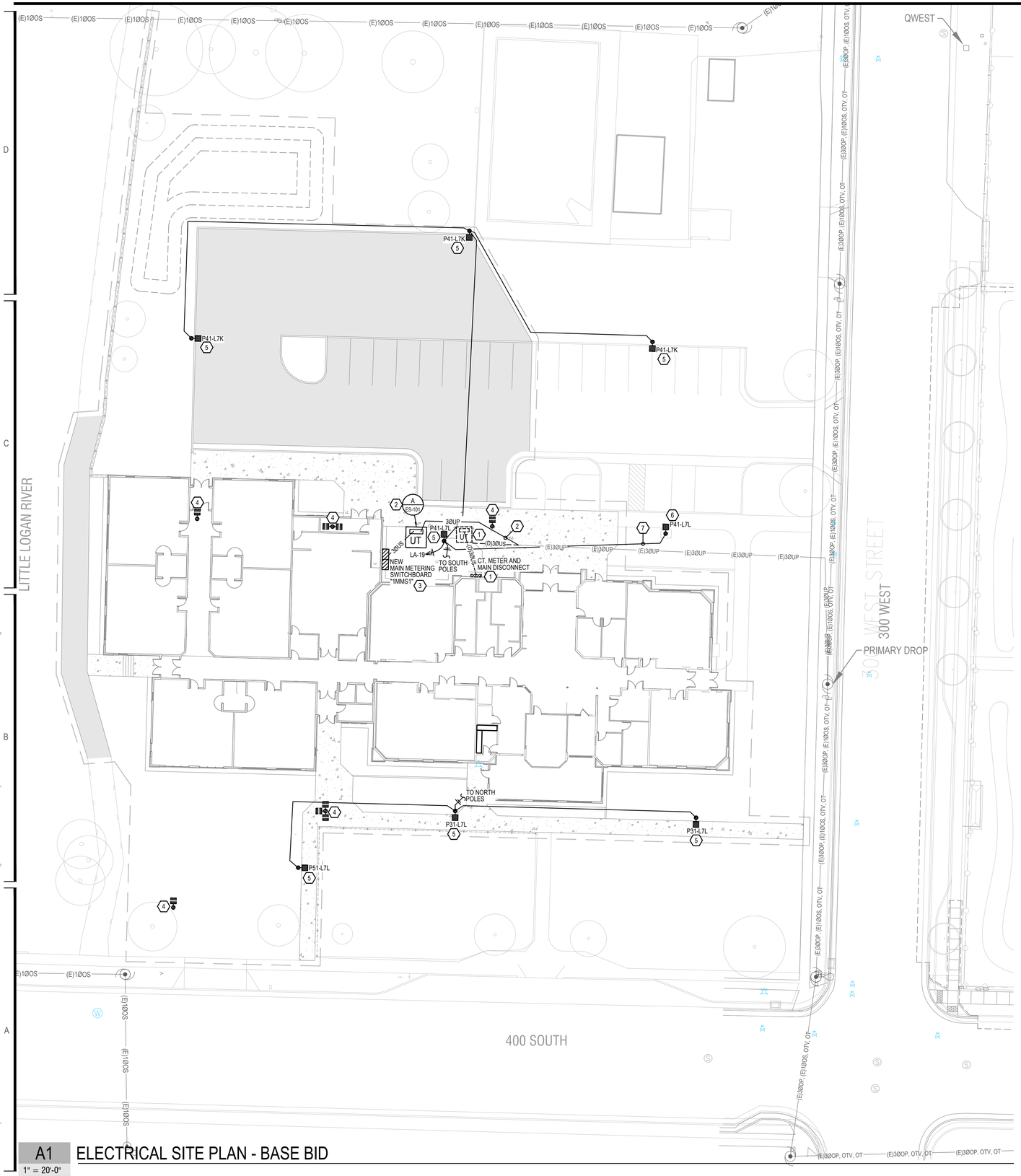
FACP	FIRE ALARM CONTROL PANEL
FSD	FIRE SMOKE DAMPER
	SMOKE DETECTOR
DD	DUCT DETECTOR
H	HEAT DETECTOR
FS	FIRE ALARM FLOW SWITCH
TS	FIRE ALARM TAMPER SWITCH
CM	FIRE ALARM CONTROL / RELAY MODULE
x	FIRE ALARM STROBE; "X" = MINIMUM CANDELA RATING
x	CEILING MOUNTED FIRE ALARM STROBE; "X" = MINIMUM CANDELA RATING
x	FIRE ALARM HORN AND STROBE; "X" = MINIMUM CANDELA RATING
x	CEILING MOUNTED FIRE ALARM HORN AND STROBE; "X" = MINIMUM CANDELA RATING
F	FIRE ALARM PULL STATION

SITE ELECTRICAL

— 1ØOP —	1-PHASE OVERHEAD PRIMARY POWER
— 1ØOS —	1-PHASE OVERHEAD SECONDARY POWER
— 1ØUP —	1-PHASE UNDERGROUND PRIMARY POWER
— 1ØUS —	1-PHASE UNDERGROUND SECONDARY POWER
— (E)3ØOP —	3-PHASE OVERHEAD PRIMARY POWER : EXISTING
— 3ØOP —	3-PHASE OVERHEAD PRIMARY POWER
— 3ØOS —	3-PHASE OVERHEAD SECONDARY POWER
— (E)3ØUP —	3-PHASE UNDERGROUND PRIMARY POWER : EXISTING
— (E)3ØUS —	3-PHASE UNDERGROUND SECONDARY POWER : EXISTING
— (D)3ØUP —	3-PHASE UNDERGROUND PRIMARY POWER: DEMO
— (D)3ØUS —	3-PHASE UNDERGROUND SECONDARY POWER: DEMO
— 3ØUP —	3-PHASE UNDERGROUND PRIMARY POWER
— 3ØUS —	3-PHASE UNDERGROUND SECONDARY POWER
— OT —	OVERHEAD TELEPHONE
— OTV —	OVERHEAD TV
— (E)UT —	UNDERGROUND TELEPHONE : EXISTING
— (E)UTV —	UNDERGROUND TV : EXISTING
— (D)UT —	UNDERGROUND TELEPHONE : DEMO
— (D)UTV —	UNDERGROUND TV : DEMO
— UT —	UNDERGROUND TELEPHONE
— UTV —	UNDERGROUND TV
	POINT OF DISCONNECTION
	POINT OF CONNECTION
	UTILITY POLE

ONE-LINE

XA YP	BREAKER : "x" = BREAKER AMPERAGE "y" = QUANTITY OF POLES
	BRANCH PANEL
	BRANCH PANEL WITH MAIN BRE



A1 ELECTRICAL SITE PLAN - BASE BID

1" = 20'-0"

SHEET KEYED NOTES

1. REMOVE EXISTING UTILITY TRANSFORMER AND ASSOCIATED SERVICE LATERAL AND MAIN SERVICE.
2. COORDINATE UTILITY LINE EXTENSION TO NEW TRANSFORMER LOCATION.
3. PROVIDE NEW SERVICE. SEE EP-601 ELECTRICAL ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
4. REMOVE EXISTING POLE LIGHT.
5. PROVIDE NEW SITE LIGHTING AS INDICATED.
6. REPLACE EXISTING SITE LIGHT POLE WITH NEW OF TYPE INDICATED.
7. RE-CIRCUIT EXISTING POLE AS INDICATED.

GENERAL SHEET NOTES

1. EXISTING ITEMS TO BE REMOVED ARE INDICATED AS BOLD/DASHED. ITEMS TO REMAIN ARE SHOWN AS LIGHT/SOLID.
2. CIRCUIT ROUTING IS SCHEMATIC UNLESS OTHERWISE NOTED.
3. COORDINATE ALL UTILITY INSTALLATIONS WITH LOCAL UTILITY REPS.
4. COMPLY WITH ALL UTILITY REQUIREMENTS FOR NEW UTILITY INSTALLATIONS.
5. NEW SERVICE INSTALLATIONS SHALL BE INSTALLED TO THE GREATEST EXTENT POSSIBLE PRIOR TO DEACTIVATING EXISTING SERVICE TO MINIMIZE SERVICE SHUT-DOWN DURATION. COORDINATE SWITCHOVER TO NOT INTERFERE WITH OWNER'S STANDARD SCHEDULES. PROVIDE TEMPORARY POWER TO EXISTING FACILITY FOR SHUTDOWNS DURING OWNER'S OPERATING HOURS.

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	D.PATTON
CHECKED BY:	S.SWENSON
ISSUED:	05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
SHANE D. SWENSON
5/29/25
STATE OF UTAH

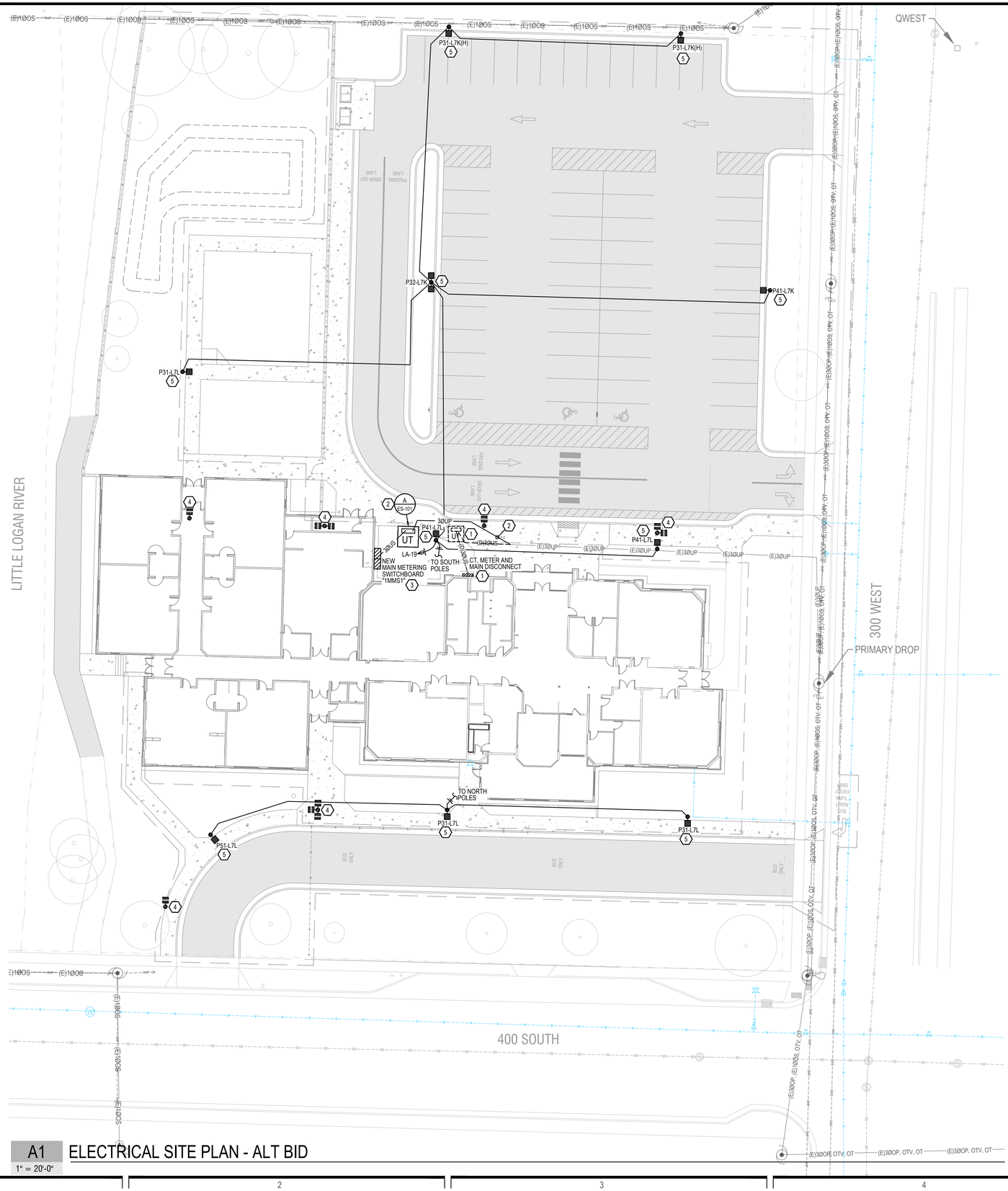
CONSTRUCTION DOCUMENTS

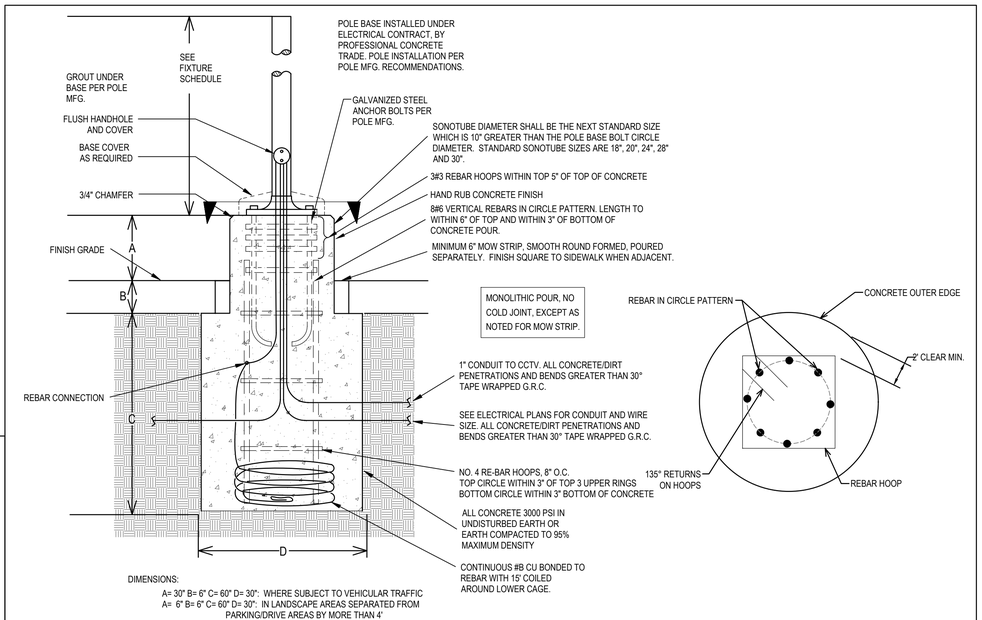
ELECTRICAL SITE PLAN - BASE BID

ES-101

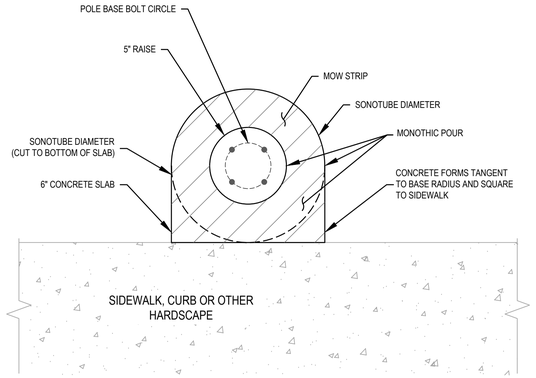
© COPYRIGHT DESIGN WEST ARCHITECTS

T:\Jobs\202\1083 LCSD ECC ADDITION\202108Sb LCSD ECC ADDITION - RE-BID\01 Drawings\05 Electrical\Sine Source Project\Sheets\ES-101 ELECTRICAL SITE PLAN - BASE BID.dwg
5/23/2025 10:35 AM
LAST SAVED: 22-May-25

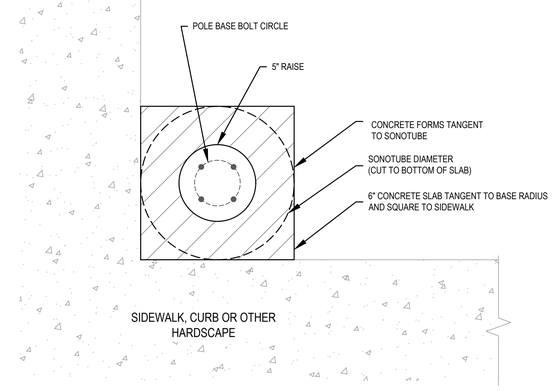

(E)1ØOS
P31-L7K(H)
P31-L7K(H)
P32-L7K
P41-L7K
P31-L7L
P41-L7L
P41-L7L
P31-L7L
P51-L7L
P31-L7L
A
E6-101
UT
LA-19
30UP
(P)3ØUS
(E)3ØUP
NEW MAIN METERING SWITCHBOARD "1MMS1"
TO SOUTH POLES
CT. METER AND MAIN DISCONNECT
TO NORTH POLES
LITTLE LOGAN RIVER
PASSING LANE
DROP-OFF LANE
BUS ONLY
BIKE ONLY
QWEST
300 WEST
PRIMARY DROP
400 SOUTH
(E)3ØOP, (E)1ØOS, OTV, OT
(E)3ØOP, OTV, OT
(E)3ØOP, (E)1ØOS, OTV, OT
(E)3ØOP, OTV, OT
(E)3ØOP, OTV, OT
(E)3ØOP



B POLE BASE DETAIL
SCALE: NO SCALE



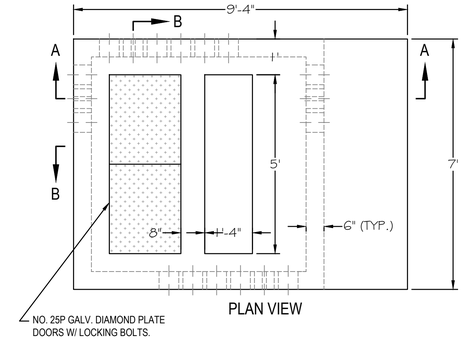
POLE BASE/HARDSCAPE FINISH DETAIL: INTERIOR SECTION
D SCALE: NO SCALE



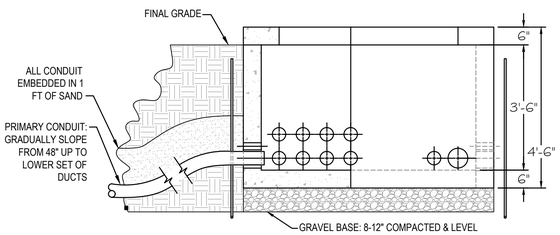
POLE BASE/HARDSCAPE FINISH DETAIL: CORNER POLE
C SCALE: NO SCALE

NOTES:

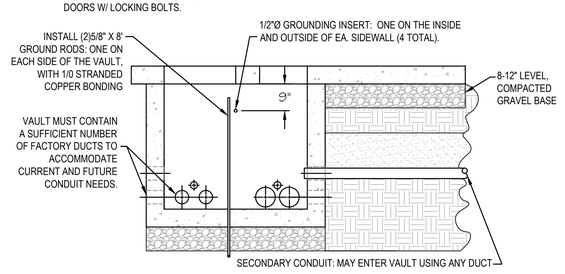
- A PADVAULT IS A COMBINATION OF BOTH A VAULT AND A PAD. UNLESS OTHERWISE APPROVED BY LOGAN CITY LIGHT AND POWER, ALL DIMENSIONS AND PLACEMENT OF HARDWARE SHALL CONFORM AS SHOWN IN THIS DOCUMENT.
- THE PADVAULT SHALL BE PROVIDED & INSTALLED AT THE SITE BY THE SUPPLIER OR CONTRACTOR.
- THE JOINT BETWEEN THE PAD AND VAULT SHALL BE SEALED USING TAR OR MASTIC.
- THE PADVAULT SHALL BE PLACED WITHIN 15 FT OF A HARD-PAVED SURFACE, AND A MINIMUM OF 3 FT AWAY FROM ANY STRUCTURE, AND A MINIMUM OF 10 FT AWAY FROM DOORS OR WINDOWS.
- CONDUIT INSTALLATION: PRIMARY CONDUIT - 48" BELOW FINAL GRADE. SECONDARY CONDUIT - 24" BELOW FINAL GRADE.
- THE AREA 10 FT TO THE FRONT & 3 FT TO EITHER SIDE OF THE TRANSFORMER SHALL REMAIN OPEN AND CLEAR OF OBSTRUCTIONS.
- A TOTAL OF (2)5/8" X 8' GROUND RODS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. ONE GROUND ROD SHALL BE INSTALLED AND CONNECTED WITH 1/0 STRANDED COPPER ON EACH SIDE OF THE PADVAULT.
- INSTALLATION OF GRAVEL BASE MUST BE INSPECTED BEFORE BACKFILLING OR SETTING VAULT.
- FIRST 10 FEET OF CONDUIT INTO VAULT MUST BE PVC SCHED 40.
- PVC CONDUIT ENTRY MUST BE PERPENDICULAR TO THE PADVAULT.
- 8-12" INCHES OF LEVEL, COMPACTED GRAVEL MUST BE INSTALLED UNDER VAULT BASE AND LID.
- A MINIMUM COMPACTION DENSITY OF 96% IS REQUIRED. THE INSPECTOR MAY REQUIRE TESTING, AT THE CONTRACTORS EXPENSE, TO VERIFY COMPACTION DENSITY OF THE GROUND UNDER THE VAULT. SETTLEMENT OF TRENCHING OR THE PADVAULT IS INDISPUTABLE EVIDENCE OF INADEQUATE COMPACTION AND SHALL BE REMEDIED AT THE CONTRACTOR'S EXPENSE.



PLAN VIEW



SECTION B-B (FRONT) VIEW



SECTION A-A (SIDE) VIEW

LOGAN CITY LIGHT & POWER DEPARTMENT	DATE: 04/30/2024 SCALE: NO SCALE	CONTACT INFO: 435-716-9722

3 PHASE, 75-500 KVA TRANSFORMER PADVAULT DETAIL

A 3 PHASE TRANSFORMER PAD DETAIL
SCALE: NO SCALE

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321
-
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	D.PATTON
CHECKED BY:	S.SWENSON
ISSUED:	05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

CONSTRUCTION DOCUMENTS

ELECTRICAL SITE DETAILS

ES-501

© COPYRIGHT DESIGN WEST ARCHITECTS

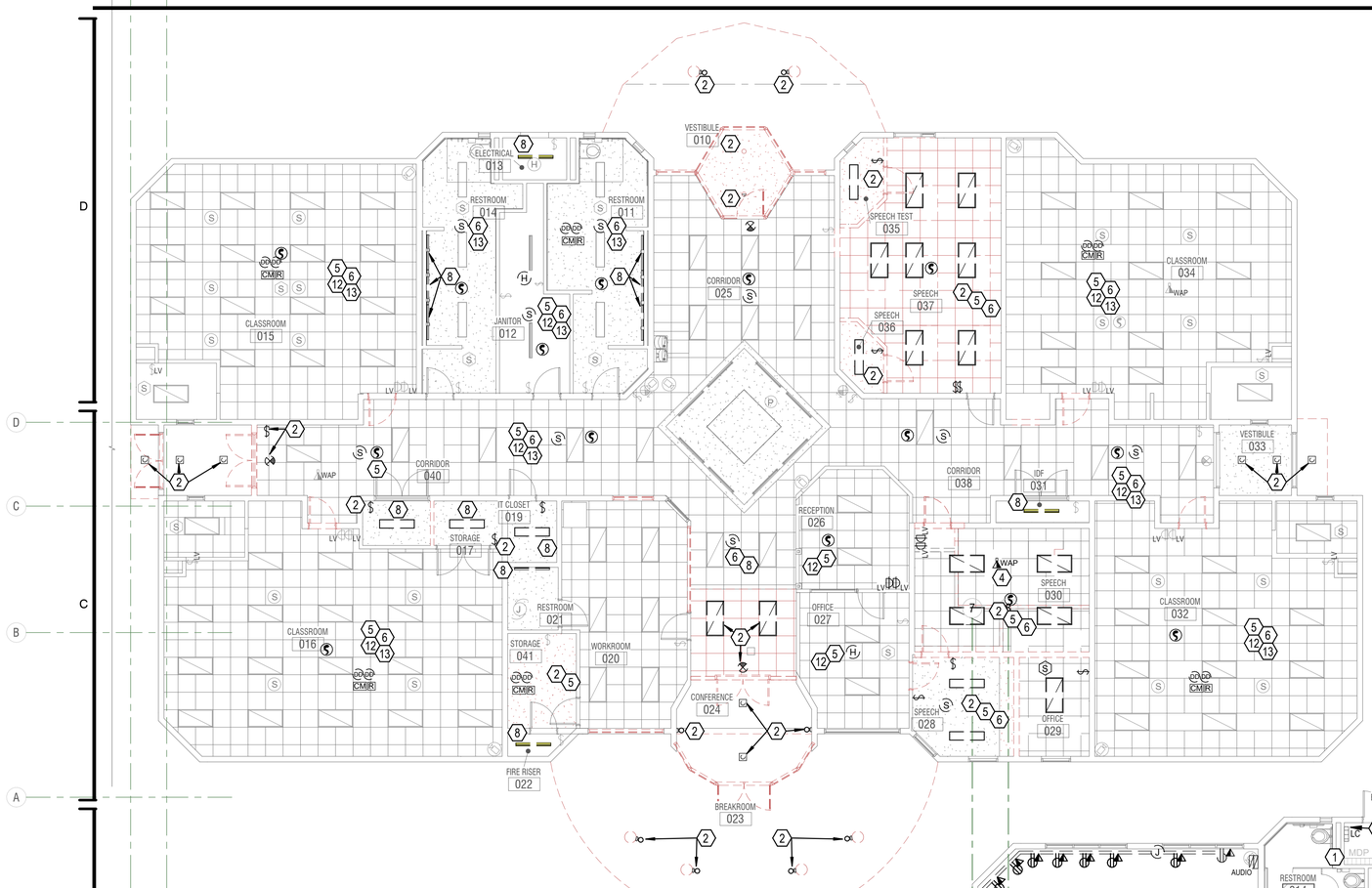
5/30/2025, 10:35 AM
LAST SAVED: 22 May 25
T:\Jobs\2021\83 LCSD ECC ADDITION\2021083b LCSD ECC ADDITION - RE-BID\01 Drawings\05 Electrical\Sine Source Project\Sheets\ES-501 ELECTRICAL SITE DETAILS.dwg

GENERAL NOTES

1. DEMOLITION PLAN IS ENGINEER'S ATTEMPT TO ASSIST BIDDERS IN ESTIMATING REMOVAL COSTS OF EXISTING EQUIPMENT. PLAN IS NOT INTENDED TO BE ALL-INCLUSIVE, AND IT IS THE BIDDERS RESPONSIBILITY TO VERIFY ALL EXISTING EQUIPMENT AND DEVICES TO BE REMOVED PRIOR TO BIDDING.
2. EXISTING ITEMS TO BE REMOVED ARE INDICATED AS BOLD/DASHED. ITEMS TO REMAIN ARE SHOWN AS LIGHT/SOLID.
3. MAINTAIN CIRCUIT CONTINUITY FOR DEVICES DOWNSTREAM OF ITEMS TO BE REMOVED.
4. WHERE DEVICES ARE SHOWN TO BE REMOVED, COMPLETELY REMOVE ALL RACEWAYS, BOXES AND CONDUCTORS TO PANEL OR TO FIRST J-BOX TO REMAIN ACTIVE IN CIRCUIT PATH.
5. REMOVE EXISTING SIMPLEX FIRE ALARM SYSTEM AND UPGRADE TO DISTRICT STANDARD NOTIFIER SYSTEM. UPGRADE ALL EXISTING DEVICES TO REMAIN FOR NEW SYSTEM COMPATIBILITY AND COMPLIANCE WITH THIS PROJECTS SPECIFICATIONS.
6. REMOVE EXISTING INTERCOM/ MASTER CLOCK SYSTEM AND UPGRADE TO DISTRICT STANDARD RAULAND TCU SYSTEM. UPGRADE ALL EXISTING DEVICES AND ASSOCIATED CABLING TO BE COMPATIBLE WITH NEW SYSTEM AND COMPLIANT WITH THIS PROJECT'S SPECIFICATIONS.

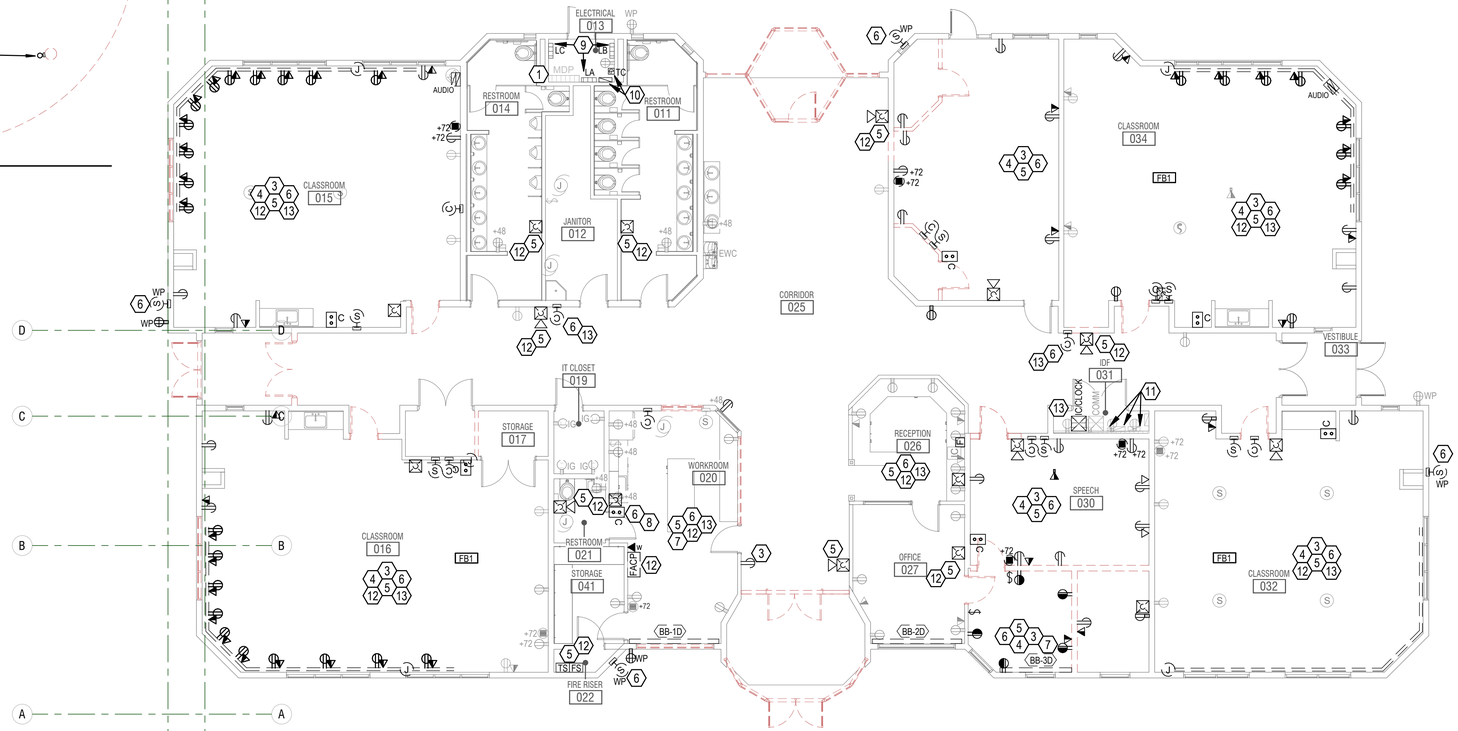
KEYED NOTES

1. EXISTING PANELS TO REMAIN.
2. REMOVE EXISTING FIXTURES AND/OR LIGHTING CONTROL AS INDICATED.
3. REMOVE EXISTING OUTLETS AS INDICATED.
4. REMOVE EXISTING COMMUNICATIONS DEVICES AS INDICATED.
5. REMOVE EXISTING FIRE ALARM DEVICES AS INDICATED.
6. REMOVE EXISTING ELECTRONIC SYSTEMS DEVICES AS INDICATED.
7. DISCONNECT EXISTING EQUIPMENT FOR REMOVAL.
8. UPGRADE EXISTING FIXTURE IN SAME LOCATION WITH NEW OF TYPE INDICATED ON LIGHTING PLANS.
9. REPLACE EXISTING PANEL IN SAME LOCATION WITH HIGHER CIRCUIT CAPACITY PANEL.
10. REMOVE EXISTING TIMECLOCK/PHOTOCELL/CONTACTOR LIGHTING CONTROL. RECONNECT ANY EXISTING CIRCUITS TO REMAIN TO NEW LIGHTING RELAY PANEL.
11. EXISTING COMMUNICATIONS UTILITIES DEMARCS TO REMAIN.
12. UPGRADE EXISTING FIRE ALARM SYSTEM TO NEW AS NOTED/SPECIFIED.
13. UPGRADE EXISTING INTERCOM/ MASTER CLOCK SYSTEM TO NEW AS NOTED.



2 ELECTRICAL DEMOLITION PLAN - CEILING

1/8" = 1'-0"



1 ELECTRICAL DEMOLITION PLAN - MAIN LEVEL

1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	D.PATTON
CHECKED BY:	S.SWENSON
ISSUED:	05.29.2025

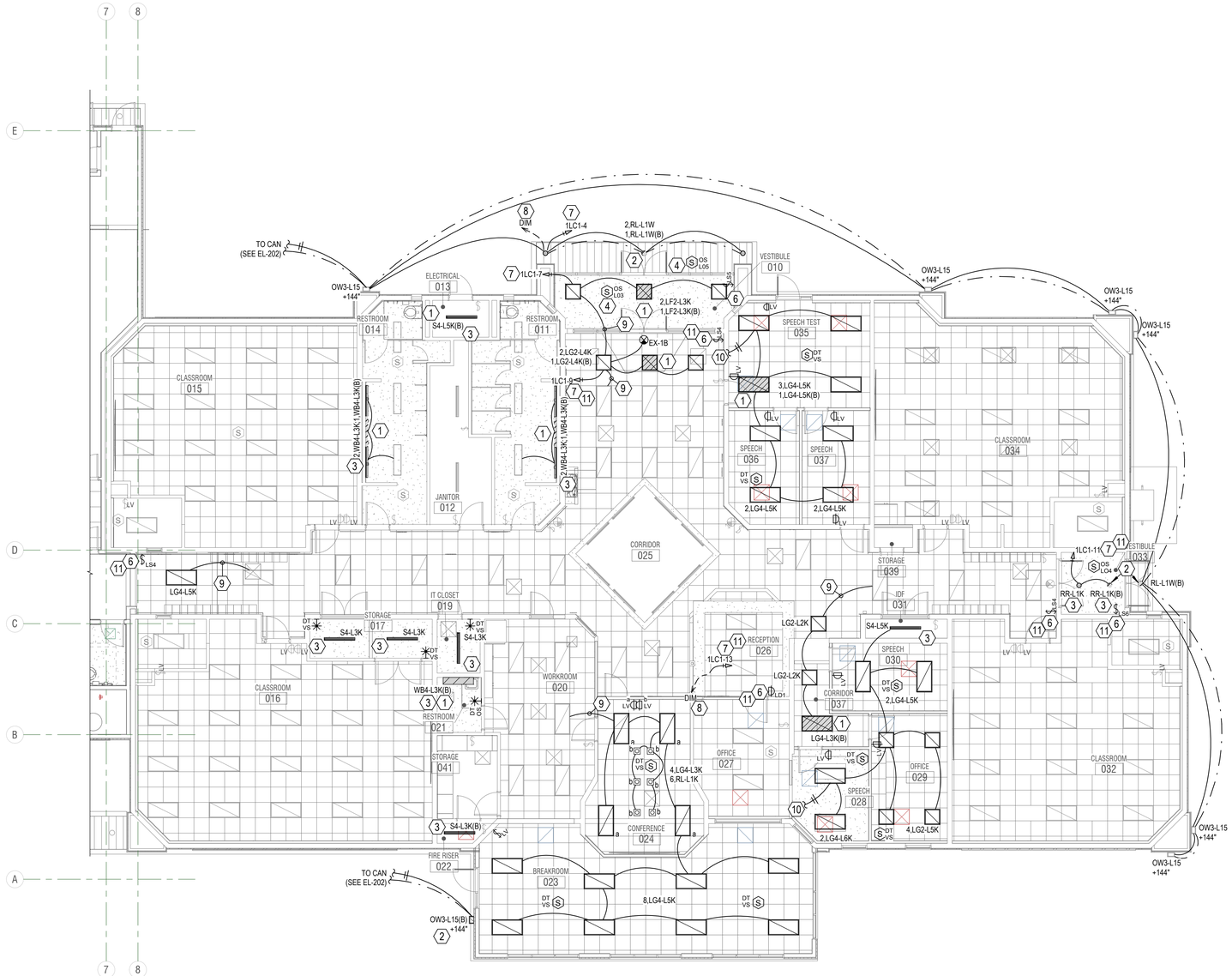
REGISTERED PROFESSIONAL ENGINEER
No. 291171
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

ELECTRICAL DEMOLITION PLANS

ED-101

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:22:02 AM Autodesk Docs://125054_LCSD EEC Preschool Addition/LCSD EEC Pre-School Addition_V21.rvt



KEYED NOTES

1. PROVIDE EM BATTERY BALLAST IN FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CIRCUIT CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT LAMPS TO OPERATE WITH SWITCH(S) IN NORMAL MODE.
2. PROVIDE COLD-WEATHER OR REMOTE EM BATTERY BACKUP FOR FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CIRCUIT CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT LAMPS TO OPERATE WITH SWITCH(S) IN NORMAL MODE.
3. UPGRADE FIXTURE IN SAME LOCATION AS REMOVED FIXTURE.
4. INTEGRATE SENSOR INTO LIGHTING CONTROL SYSTEM AS REQUIRED.
5. CONNECT TO UNSWITCHED SOURCE CONDUCTOR.
6. PROVIDE LIGHTING CONTROL OVERRIDE SWITCHES AT LOCATIONS INDICATED. PROVIDE CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS. SEE DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION. ENGRAVE COVER PLATE WITH ZONES CONTROLLED. PROVIDE SEPARATE BUTTON/LABELING FOR EACH ZONE INDICATED. MULTIPLE BUTTONS SHALL BE MOUNTED IN A SINGLE-GANG COVER.
7. LIGHTING CONTROL PANEL SWITCH LEGS. REFER TO LIGHTING CONTROL PANEL SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. SWITCH LEGS MAY BE ROUTED TO PANEL IN SAME CONDUITS AS CONSTANT POWER FEEDS. CONTRACTOR TO DERATE/UPSIZE CONDUCTORS & CONDUIT WHERE REQUIRED.
8. PROVIDE DIMMING CONTROL TO RELAY PANEL. EXTEND TO ADDITIONAL FIXTURES IN SWITCH-GROUP PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. CIRCUIT TO EXISTING CIRCUIT INDICATED.
10. CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING AREA.
11. RETROFIT EXISTING BUILDING LIGHTING CONTROL AS INDICATED.
12. RE-CIRCUIT EXISTING/UPGRADED FIXTURE AS INDICATED.

GENERAL NOTES

1. COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH-IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONALINFORMATION.
2. ALL BALLASTS, INCLUDING BATTERY BACKUP AND ASSOCIATED SELF-DIAGNOSTICS, SHALL BE FACTORY MOUNTED.
3. ALL OCCUPANCY SENSORS SHALL HAVE INTEGRAL PHOTOCELL CONTROL AS SPECIFIED.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND DROPPED DECORATIVE CEILING ELEMENTS.
5. CONTRACTOR TO FURNISH OCCUPANCY SENSORS WITH COVERAGE PATTERNS APPROPRIATE FOR THEIR INSTALLED LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO BID.
6. CONNECT OCCUPANCY SENSORS TO ENABLE ALL SWITCHES IN CONTROLLED SPACE.
7. CONNECT OCCUPANCY SENSORS, BATTERY BALLASTS, EXIT SIGNS, ETC. TO UNSWITCHED SOURCE CONDUCTOR.
8. SEE POWER PLAN FOR ELECTRICAL DISTRIBUTION, EQUIPMENT AND LIGHTING RELAY PANEL LOCATIONS.
9. NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
10. ALL LOCAL LIGHITNG CONTROL SHALL BE LOW VOLTAGE TYPE CONSISTENT WITH CENTRAL CONTROL SYSTEM STYLE(LITHONIA N-LIGHT, DOUGLAS DIALOG, ETC).
11. BASE BID: CAN INCLUDE MC CABLE WHERE ALLOWED BY SPECIFICATIONS. ALTERNATE BID: SHALL BE ALL CONDUCTORS IN CONDUIT WITH MC CABLE PROHIBITED.
12. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
13. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.

1 LIGHTING PLAN: MAIN LEVEL

1/8" = 1'-0"

NORTH

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

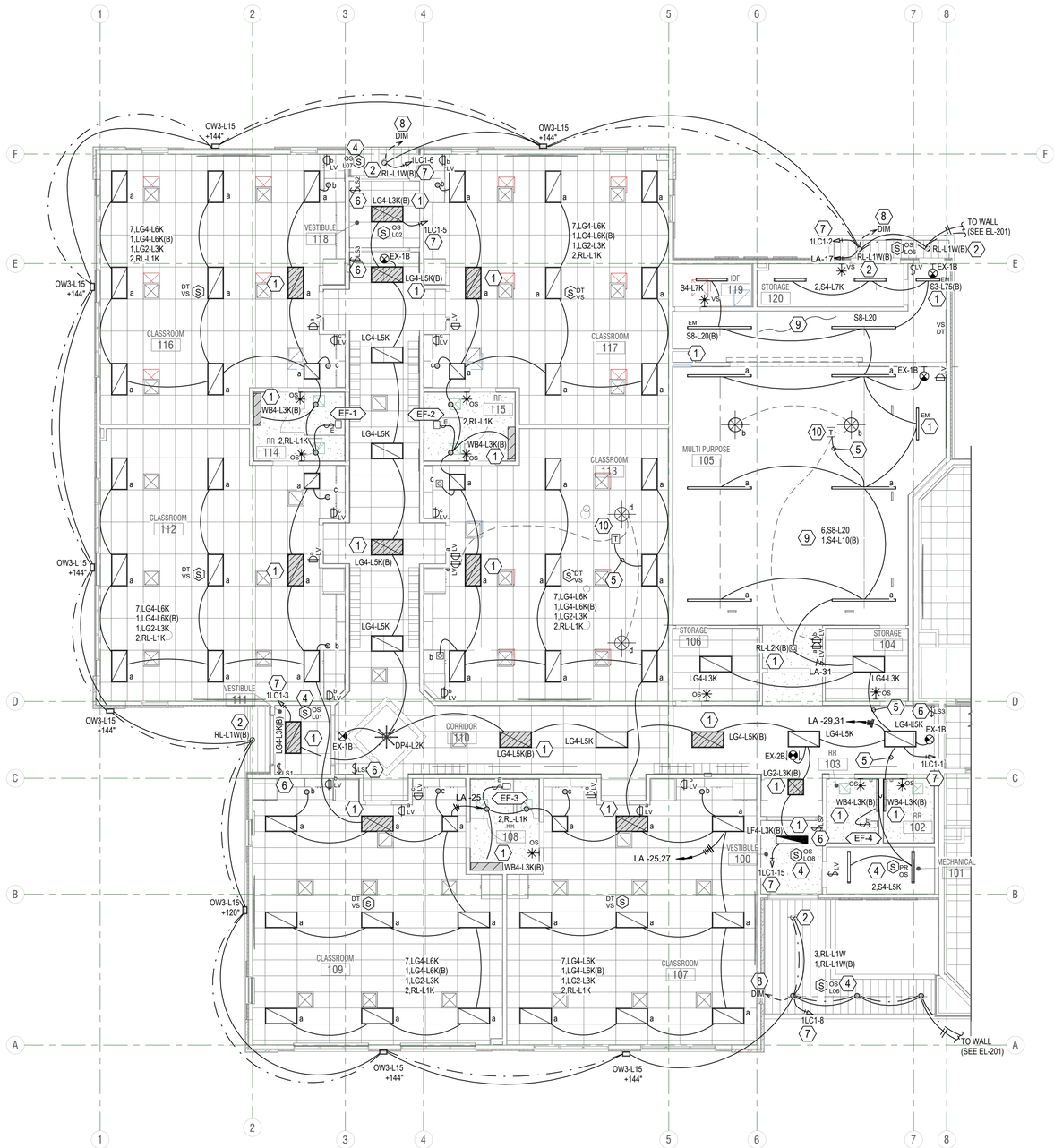
CONSTRUCTION DOCUMENTS

LIGHTING PLAN - REMODEL

EL-201

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:22:07 AM Autodesk Docs://125054_LCSD ECC Pre-School Addition/_LCSD ECC Pre-School Addition_V21.rvt



A1 LIGHTING PLAN: MAIN LEVEL - ADDITION

1/8" = 1'-0"

KEYED NOTES

1. PROVIDE EM BATTERY BALLAST IN FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CIRCUIT CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT LAMPS TO OPERATE WITH SWITCH(S) IN NORMAL MODE.
2. PROVIDE COLD-WEATHER OR REMOTE EM BATTERY BACKUP FOR FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CIRCUIT CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT LAMPS TO OPERATE WITH SWITCH(S) IN NORMAL MODE.
3. UPGRADE FIXTURE IN SAME LOCATION AS EXISTING.
4. INTEGRATE SENSOR INTO LIGHTING CONTROL SYSTEM AS REQUIRED.
5. CONNECT TO UNSWITCHED SOURCE CONDUCTOR.
6. PROVIDE LIGHTING CONTROL OVERRIDE SWITCHES AT LOCATIONS INDICATED. PROVIDE CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS. SEE DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION. ENGRAVE COVER PLATE WITH ZONES CONTROLLED. PROVIDE SEPARATE BUTTON/LABELING FOR EACH ZONE INDICATED. MULTIPLE BUTTONS SHALL BE MOUNTED IN A SINGLE-GANG COVER.
7. LIGHTING CONTROL PANEL SWITCH LEGS. REFER TO LIGHTING CONTROL PANEL SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. SWITCH LEGS MAY BE ROUTED TO PANEL IN SAME CONDUITS AS CONSTANT POWER FEEDS. CONTRACTOR TO DERATE/UPSIZE CONDUCTORS & CONDUIT WHERE REQUIRED.
8. PROVIDE DIMMING CONTROL TO RELAY PANEL. EXTEND TO ADDITIONAL FIXTURES IN SWITCH-GROUP PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. MOUNT FIXTURES TO BOTTOM OF STRUCTURAL TRUSS. FIXTURE FINISH TO MATCH ADJACENT CEILING FINISHES. VERIFY PRIOR TO FINAL FIXTURE RELEASE.
10. PROVIDE 100VA 120-24V XFMR, DIMMER AND DIMMING CONNECTIONS TO SOLAR TUBES. LOCATE DIMMER PER OWNER DIRECTION AND LABEL "SKYLIGHT DIMMING".

GENERAL NOTES

1. COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH-IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONALINFORMATION.
2. ALL BALLASTS, INCLUDING BATTERY BACKUP AND ASSOCIATED SELF-DIAGNOSTICS, SHALL BE FACTORY MOUNTED.
3. ALL OCCUPANCY SENSORS SHALL HAVE INTEGRAL PHOTOCELL CONTROL AS SPECIFIED.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND DROPPED DECORATIVE CEILING ELEMENTS.
5. CONTRACTOR TO FURNISH OCCUPANCY SENSORS WITH COVERAGE PATTERNS APPROPRIATE FOR THEIR INSTALLED LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO BID.
6. CONNECT OCCUPANCY SENSORS TO ENABLE ALL SWITCHES IN CONTROLLED SPACE.
7. CONNECT OCCUPANCY SENSORS, BATTERY BALLASTS, EXIT SIGNS, ETC. TO UNSWITCHED SOURCE CONDUCTOR.
8. SEE POWER PLAN FOR ELECTRICAL DISTRIBUTION, EQUIPMENT AND LIGHTING RELAY PANEL LOCATIONS.
9. NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
10. ALL LOCAL LIGHITNG CONTROL SHALL BE LOW VOLTAGE TYPE CONSISTENT WITH CENTRAL CONTROL SYSTEM STYLE(LITHONIA N-LIGHT, DOUGLAS DIALOG, ETC).
11. BASE BID: CAN INCLUDE MC CABLE WHERE ALLOWED BY SPECIFICATIONS. ALTERNATE BID: SHALL BE ALL CONDUCTORS IN CONDUIT WITH MC CABLE PROHIBITED.
12. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
13. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.

NORTH

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER No. 294174 STEVE D. SWENSON 5/29/2025 STATE OF UTAH

CONSTRUCTION DOCUMENTS

LIGHTING PLAN - ADDITION

EL-202

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:29:15 AM Autodesk Docs://125054 LCSD ECC Preschool Addition/R_LCSD ECC Pre-School Addition_V24.rvt

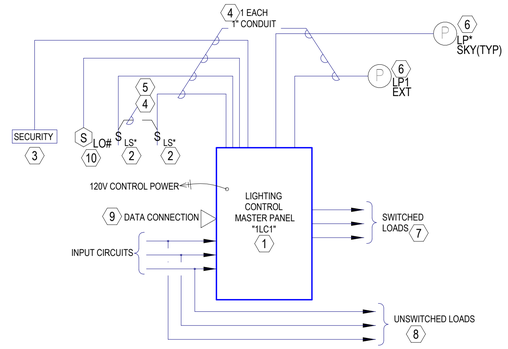
RELAY PANEL SCHEDULE

RELAY PANEL	FEEDS	REMARKS	LOCATION	MOUNTING
1LC1 X NEW EXISTING	X INDIVIDUAL MAIN LUGS MAIN BKR MAX VOLTAGE 208 MAX PHASE 1	-*=PROVIDE DIMMING CONTROL WIRING THROUGHOUT CONTROLLED FIXTURE SWITCH GROUP	MDP ROOM	FLUSH X SURFACE

No.	RELAY A	RELAY P	CONTROLLED CKT	CONTROL ZONE	CONTROL TYPE (SEE SCHEDULE)	DIMMING* (SEE SCHED)	No.	No.	CONTROL TYPE (SEE SCHEDULE)	DIMMING* (SEE SCHED)	CONTROL ZONE	CONTROLLED CKT	RELAY A	RELAY P	No.
1	20	1	LA- 13	W CORR	T1,B1,SS,S3	N/A	1	2	T2,P1	NS,O5,O6,O7,O8	BLDG EXT GNRL	LA- 17	20	1	2
3	20	1	LA- 13	VEST 111	T1,B1,SS,O1,S1	N/A	3	4	T2,P1	NS,O5	BLDG NE CNPY	LA- 17	20	1	4
5	20	1	LA- 13	VEST 118	T1,B1,SS,O2,S2	N/A	5	6	T2,P1	NS,O7	BLDG NW CNPY	LA- 17	20	1	6
7	20	1	LA- 7	VEST 10	T1,B1,SS,O3,S5	N/A	7	8	T2,P1	NS,O6	BLDG S CNPY	LA- 17	20	1	8
9	20	1	LA- 7	E CORR, LOBBY	T1,B1,SS,S4	N/A	9	10	T2,P1	N/A	FUTURE POLES	LA- 19	20	1	10
11	20	1	LA- 7	VEST 33	T1,B1,SS,O4,S6	N/A	11	12				SPA RE	20	1	12
13	20	1	LA- 1	REC DESK	T1,B1,SS	D1	13	14				SPA RE	20	1	14
15	20	1	LA- 13	VEST 100	T1,B1,SS,O8,S7	N/A	15	16				SPA RE	20	1	16
17	20	1	SPA RE				17	18				SPA RE	20	1	18
19	20	1	SPA RE				19	20				SPA RE	20	1	20
21	20	1	SPA RE				21	22				SPA RE	20	1	22
23	20	1	SPA RE				23	24				SPA RE	20	1	24
25	20	1	SPA RE				25	26				SPA RE	20	1	26
27	20	1	SPA RE				27	28				SPA RE	20	1	28
29	20	1	SPA RE				29	30				SPA RE	20	1	30

CONTROL TYPES

CLK = TIMECLOCK
SW = SWITCH (1, 3, OR 4)
OVER = 2-HOUR TIMED OVERRIDE ON
PHOTO = PHOTOCELL



DETAIL KEYED NOTES

1. PROVIDE LIGHTING CONTROL PANEL WITH ALL OPTIONS NECESSARY TO PROVIDE CONTROLS AS SHOWN AND SPECIFIED.
2. SEE LIGHTING PLANS ON EL2XX SERIES SHEETS FOR DIGITAL, ADDRESSABLE SWITCH LOCATIONS. PROGRAM FOR CONTROL AS SCHEDULED. PROVIDE ENGRAVED COVER PLATES AS DESCRIBED ON EL2XX SHEETS. (*) INDICATES CONTROL TYPE.
3. COORDINATE CONNECTIONS WITH OWNER'S SECURITY SYSTEM PROVIDER.
4. PROVIDE CONTROL WIRING PER EQUIPMENT REQUIREMENTS.
5. PROVIDE HOME-RUN OR DAISY CHAIN WIRING PER EQUIPMENT REQUIREMENTS.
6. PROVIDE INTERIOR AND/OR EXTERIOR PHOTOCELLS. REFER TO LIGHTING PLAN FOR INTERIOR COUNTS AND LOCATIONS. PROVIDE (1)EXTERIOR SENSOR ROOF MOUNTED PER MANUFACTURER RECOMMENDATIONS. (*) INDICATES CONTROL TYPE.
7. REFER TO LIGHTING PLANS FOR SWITCHING GROUPS/HOME RUNS.
8. PROVIDE CONSTANT POWER TO EXIT SIGNS, EM BALLASTS, NIGHT-LIGHTS, OCCUPANCY SENSORS, ETC.
9. PROVIDE LAN CONNECTION TO CONTROL PANEL FOR REMOTE OWNER CONTROL. PROVIDE ALL HARDWARE/PROGRAMMING REQUIRED FOR SYSTEM INTERFACES AS SPECIFIED.
10. PROVIDE OCCUPANCY SENSORS/RELAYS COMPATIBLE WITH LIGHTING CONTROL SYSTEM. SENSORS MY BE USED FOR LOCAL AND SYSTEM CONTROL. (*)INDICATES CONTROL TYPE.

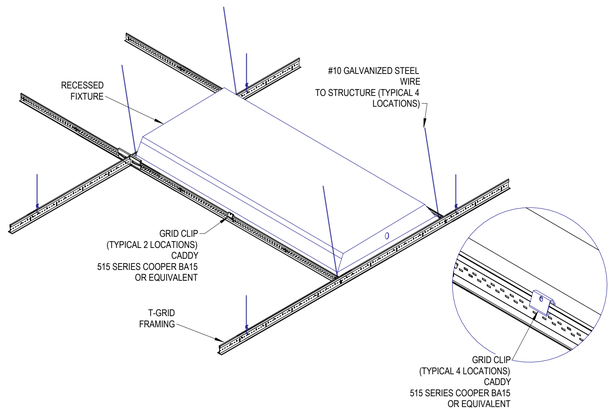
1 LIGHTING CONTROL RISER DIAGRAM

1/8" = 1'-0"

LIGHTING CONTROL INPUT SCHEDULE

TYPE	DESCRIPTION	CONTROLLED RELAYS
T1	INTERIOR TIMECLOCK ON/OFF (SCHEDULE PER OWNER)	1LC1:1-15O
T2	EXTERIOR TIMECLOCK ON/OFF (ON AT DUSK, OFF PER OWNER)	1LC1:2-10E
T3	EXTERIOR SECURITY ON/OFF (ON AT DUSK, OFF PER OWNER)	
SS	SECURITY SYSTEM INTERFACE	1LC1:1-11,13,15
B1	BLINK WARNING	1LC1:1-11,13,15
D1	TOGGLE W/ TIME OUT + DIMMING: RECEPTION DESK	1LC1:13
D2	TOGGLE W/ TIME OUT + DIMMING: SPARE INPUT	
D3	TOGGLE W/ TIME OUT + DIMMING: SPARE INPUT	
D4	TOGGLE W/ TIME OUT + DIMMING: SPARE INPUT	
D5	TOGGLE W/ TIME OUT + DIMMING: SPARE INPUT	
D6	TOGGLE W/ TIME OUT + DIMMING: SPARE INPUT	
D7	TOGGLE W/ TIME OUT + DIMMING: SPARE INPUT	
D8	TOGGLE W/ TIME OUT + DIMMING: SPARE INPUT	
NS	FULL BRIGHT DUSK TO TIME DETERMINED BY OWNER THEN 30% OUTPUT SETBACK WITH MOTION SENSOR OVERRIDE	1LC1:2,4,6,8
O1	OCC SENSOR: VEST 111 2-HOUR OVERRIDE ON	1LC1:3
O2	OCC SENSOR: VEST 118 2-HOUR OVERRIDE ON	1LC1:5
O3	OCC SENSOR: VEST 10 2-HOUR OVERRIDE ON	1LC1:7
O4	OCC SENSOR: VEST 33 2-HOUR OVERRIDE ON	1LC1:11
O5	OCC SENSOR: NE CANOPY	1LC1:2,4
O6	OCC SENSOR: S CANOPY	1LC1:2,8
O7	OCC SENSOR: NW CANOPY	1LC1:2,6
O8	OCC SENSOR: VEST 111 2-HOUR OVERRIDE ON	1LC1:15
O9	OCC SENSOR: SPARE INPUT	
O10	OCC SENSOR: SPARE INPUT	
O11	OCC SENSOR: SPARE INPUT	
O12	OCC SENSOR: SPARE INPUT	
P1	PHOTOCELL: EXTERIOR	1LC1:2-10E
P2	PHOTOCELL: SPARE INPUT	
P3	PHOTOCELL: SPARE INPUT	
S1	TOGGLE W/ TIME OUT: VEST 111	1LC1:3
S2	TOGGLE W/ TIME OUT: VEST 118	1LC1:5
S3	TOGGLE W/ TIME OUT: WEST CORRIDOR	1LC1:1
S4	TOGGLE W/ TIME OUT: EAST HALLS, LOBBY	1LC1:9
S5	TOGGLE W/ TIME OUT: VEST 10	1LC1:7
S6	TOGGLE W/ TIME OUT: VEST 33	1LC1:11
S7	TOGGLE W/ TIME OUT: VEST 100	1LC1:15
S8	TOGGLE W/ TIME OUT: SPARE INPUT	
S9	TOGGLE W/ TIME OUT: SPARE INPUT	
S10	TOGGLE W/ TIME OUT: SPARE INPUT	
S11	TOGGLE W/ TIME OUT: SPARE INPUT	
S12	TOGGLE W/ TIME OUT: SPARE INPUT	
S13	TOGGLE W/ TIME OUT: SPARE INPUT	
S14	TOGGLE W/ TIME OUT: SPARE INPUT	
S15	TOGGLE W/ TIME OUT: SPARE INPUT	
S16	TOGGLE W/ TIME OUT: SPARE INPUT	

NOTES



A1 SEISMIC SUPPORT DETAIL

1/8" = 1'-0"

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK: DESCRIPTION: DATE:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER No. 294174 SHANE D. SWENSON 5/29/2025 STATE OF UTAH

CONSTRUCTION DOCUMENTS

LIGHTING CONTROL RISER DIAGRAM

EL-501

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:22:19 AM Autodesk Docs://125054-LCSD EEC Preschool Addition/-LCSD EEC Pre-School Addition_V24.rvt

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER/CATALOG NO.	DESCRIPTION	MOUNTING	POWER	LAMPS	TYPE	MANUFACTURER/CATALOG NO.	DESCRIPTION	MOUNTING	POWER	LAMPS
DP4- L2K	MODERN FORMS PD-50748-3500K-* EQUIVALENT ONLY WITH PRIOR ARCHITECTURAL APPROVAL	DECORATIVE PENDANT PER ARCHITECT; 4-LIGHT, 48" NOMINAL DIAMETER DIMMABLE; MANUFACTURER STANDARD FINISH AS SELECTED BY ARCHITECT	ROD SUSPENDED	42 W	2000 LUMEN NOMINAL LED 3500 K	P32- L7K	(2) LITHONIA RSX1-P1-40K-R3-MVOLT-SPA-(HS)-NLTAIR2/PIRHN-SCBA SSA-20-4G-DM28*-FBC-NEC-SCBA EQUIVALENT ONLY WITH PRIOR APPROVAL	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 3 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 20' ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICLE POLE BASE VEHICLE RISER SEE DETAIL	2@52 W	2@7000 LUMEN NOMINAL LED 4000K
EX- 1B	DUAL LITE NV3-G-EN-W-CVS SURE-LITES CCX7-0-70-G-WH-SD LIGHTOLIER LT-N-U-G-W-SD LITHONIA LQM S W 3 G 120/277 EL N SD EELP XE-2-GW-EM-SD EXITRONIX MCPHILBEN CXXL-3-G-W	EXIT SIGN; SINGLE FACE; UNIVERSAL MOUNTING; WHITE, THERMOPLASTIC HOUSING; SELF DIAGNOSTICS; WIRE GUARD WHERE NOTED ON DRAWINGS	WALL OR CEILING 1-FACE	3W	LED	P41- L7K	LITHONIA RSX1-P1-40K-R4-MVOLT-SPA-(HS)-NLTAIR2/PIRHN-SCBA SSA-20-4G-DM19*-FBC-NEC-SCBA EQUIVALENT ONLY WITH PRIOR APPROVAL	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 4 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 20' ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICLE POLE BASE VEHICLE RISER SEE DETAIL	52 W	7000 LUMEN NOMINAL LED 4000K
EX- 2B	DUAL LITE NV3-G-EN-W-CVS SURE-LITES CCX7-0-70-G-WH-SD LIGHTOLIER LT-N-U-G-W-SD LITHONIA LQM S W 3 G 120/277 EL N SD EELP XE-2-GW-EM-SD EXITRONIX MCPHILBEN CXXL-3-G-W	EXIT SIGN; DOUBLE FACE; UNIVERSAL MOUNTING; WHITE, THERMOPLASTIC HOUSING; SELF DIAGNOSTICS; WIRE GUARD WHERE NOTED ON DRAWINGS	WALL OR CEILING 1-FACE	3W	LED	P41- L7L	LITHONIA RSX1-P1-40K-R4-MVOLT-SPA-(HS)-NLTAIR2/PIRHN-SCBA SSA-MOD(22)-4G-DM19*-FBC-NEC-SCBA EQUIVALENT ONLY WITH PRIOR APPROVAL	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 4 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 22' ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICLE POLE BASE LANDSCAPE RISER SEE DETAIL	52 W	7000 LUMEN NOMINAL LED 4000K
LF2- L3K LF2- L3K(B)	LITHONIA CPX-2X2-3200LMHE-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP)-DGA22 OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X2 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS; FLANGE MOUNT KIT	SHEETROCK RECESS	27.9 W	3000 LUMEN NOMINAL LED 4000K	P51- L7L	LITHONIA RSX1-P1-40K-R5-MVOLT-SPA-(HS)-NLTAIR2/PIRHN-SCBA SSA-MOD(22)-4G-DM19*-FBC-NEC-SCBA EQUIVALENT ONLY WITH PRIOR APPROVAL	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 5 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 22' ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICLE POLE BASE LANDSCAPE RISER SEE DETAIL	52 W	7000 LUMEN NOMINAL LED 4000K
LF4- L3K LF4- L3K(B)	LITHONIA CPX-2X4-3000LM-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP)-DGA24 OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X2 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS; FLANGE MOUNT KIT	SHEETROCK RECESS	24.6 W	3000 LUMEN NOMINAL LED 4000K	RL- L1K RL- L1K(B)	LITHONIA LDN6-40-10-LO4-AR-LSS-MVOLT-GZ1-(ELSD) OR EQUIVALENT	RECESSED CAN; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 6" NOMINAL OPENING; SEMI-SPECULAR, CLEAR REFLECTOR; SELF-FLANGING; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	RECESS	11 W	1000 LUMEN NOMINAL LED 4000K
LF4- L6K LF4- L6K(B)	LITHONIA CPX-2X4-6000LM-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP)-DGA24 OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X2 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS; FLANGE MOUNT KIT	SHEETROCK RECESS	41.8 W	6000 LUMEN NOMINAL LED 4000K	RL- L2K RL- L2K(B)	LITHONIA LDN6-40-20-LO4-AR-LSS-MVOLT-GZ1-(ELSD) OR EQUIVALENT	RECESSED CAN; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 6" NOMINAL OPENING; SEMI-SPECULAR, CLEAR REFLECTOR; SELF-FLANGING; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	RECESS	22 W	2000 LUMEN NOMINAL LED 4000K
LG2- L2K LG2- L2K(B)	LITHONIA CPX-2X2-2000LM-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP) OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X2 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	GRID	15.6 W	2000 LUMEN NOMINAL LED 4000K	RL- L1W RL- L1W(B)	LITHONIA LDN6-40-10-LO4-AR-LSS-MVOLT-GZ1-(ELSD) OR EQUIVALENT	RECESSED CAN; LED LAMPING; CLEAR, OPEN, SEMI-SPECULAR CONE; 6" NOMINAL OPENING; SELF-FLANGED TO MATCH CONE; DIMMABLE; WET LOCATION	RECESS	11 W	1000 LUMEN NOMINAL LED 4000K
LG2- L3K LG2- L3K(B)	LITHONIA CPX-2X2-3200LMHE-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP) OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X2 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	GRID	27.9 W	3000 LUMEN NOMINAL LED 4000K	RR- L1K RR- L1K(B)	LITHONIA LDN6RV-40-10-40-LR-6-AR-LSS-MVOLT-GZ1-LH OR EQUIVALENT	RETROFIT RECESSED CAN; LED LAMPING; CLEAR, OPEN, SEMI-SPECULAR CONE; 6" NOMINAL OPENING; SELF-FLANGED CONE; DIMMABLE; EM BATTERY WHERE (B) OPTION SHOWN ON DRAWINGS; CONTRACTOR VERIFY COMPATIBILITY WITH EXISTING HOUSING PRIOR TO FINAL RELEASE	RECESS RETROFIT	13 W	1000 LUMEN NOMINAL LED 4000K
LG2- L4K LG2- L4K(B)	LITHONIA CPX-2X2-4000LMHE-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP) OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X2 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	GRID	34.5 W	4000 LUMEN NOMINAL LED 4000K	S3- L75 S3- L75(B)	LITHONIA CLX-L36-7500LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-(PS1050)-SCBA HE WILLIAMS 7S-3-L64-840-DIM-UNV-(EM/10WLP) OR EQUIVALENT	LED STRIP FIXTURE; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; DIFFUSE LENS' EM BATTERY WHERE (B) NOTED ON DRAWINGS	SURFACE OR CABLE SUSPENDED	63 W	7500 LUMEN NOMINAL LED 3500K
LG2- L5K LG2- L5K(B)	LITHONIA CPX-2X2-5000LM-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP) OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X2 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	GRID	41.8 W	5000 LUMEN NOMINAL LED 4000K	S4- L3K	LITHONIA CLX-L48-3000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-(PS1050)-SCBA HE WILLIAMS 7SS-4-L30-840-DIM-UNV-(EM/10WLP) OR EQUIVALENT	LED STRIP FIXTURE; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; DIFFUSE LENS' EM BATTERY WHERE (B) NOTED ON DRAWINGS	SURFACE OR CABLE SUSPENDED	28 W	3000 LUMEN NOMINAL LED 3500K
LG4- L3K LG4- L3K(B)	LITHONIA CPX-2X4-3000LM-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP) OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X4 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	GRID	24.6 W	3000 LUMEN NOMINAL LED 4000K	S4- L5K S4- L5K(B)	LITHONIA CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-(PS1050)-SCBA HE WILLIAMS 7SS-4-L50-840-DIM-UNV-(EM/10WLP) OR EQUIVALENT	LED STRIP FIXTURE; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; DIFFUSE LENS' EM BATTERY WHERE (B) NOTED ON DRAWINGS	SURFACE OR CABLE SUSPENDED	36 W	5000 LUMEN NOMINAL LED 3500K
LG4- L5K LG4- L5K(B)	LITHONIA CPX-2X4-5000LMHE-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP) OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X4 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	GRID	39.8 W	5000 LUMEN NOMINAL LED 4000K	S4- L7K	LITHONIA CLX-L48-7000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-(PS1050)-SCBA HE WILLIAMS 7SS-4-L85-840-DIM-UNV-(EM/10WLP) OR EQUIVALENT	LED STRIP FIXTURE; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; DIFFUSE LENS' EM BATTERY WHERE (B) NOTED ON DRAWINGS	SURFACE OR CABLE SUSPENDED	49 W	7000 LUMEN NOMINAL LED 3500K
LG4- L6K LG4- L6K(B)	LITHONIA CPX-2X4-6000LM-80CRI-40K-SWL-MIN1-ZT-MVOLT(-E10WLCP) OR EQUIVALENT	LED FLAT PANEL; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; 2X4 PROFILE; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	GRID	41.8 W	6000 LUMEN NOMINAL LED 4000K	S4- L10 S4- L10(B)	LITHONIA CLX-L48-10000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-(PS1050)-SCBA HE WILLIAMS 7SS-4-L100-835-DIM-UNV-(EM/10WLP) OR EQUIVALENT	LED STRIP FIXTURE; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; DIFFUSE LENS' EM BATTERY WHERE (B) NOTED ON DRAWINGS	SURFACE OR CABLE SUSPENDED	74 W	10000 LUMEN NOMINAL LED 3500K
OW3- L15 OW3- L15(B)	LITHONIA WEDGE2-LED-P1-40K-70CRI-T3M-MVOLT-*-*-(E20WC)-SCBA OR EQUIVALENT	EXTERIOR WALL ; LED LAMPING; TYPE 3 OPTICAL DISTRIBUTION MULTI-VOLT, DIMMABLE DRIVER; FULL CUTOFF; EM BATTERY WHERE (B) OPTION SHOWN ON LIGHTING PLANS	WALL	11 W	1500 LUMEN NOMINAL LED 4000K	S8- L20 S8- L20(B)	LITHONIA CLX-L96-20000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-(PS1050)-SCBA HE WILLIAMS 7SS-8-L200-835-DIM-UNV-(EM/10WLP) OR EQUIVALENT	LED STRIP FIXTURE; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; DIFFUSE LENS' EM BATTERY WHERE (B) NOTED ON DRAWINGS	SURFACE OR CABLE SUSPENDED	147 W	20000 LUMEN NOMINAL LED 3500K
P31- L7K P31- L7K(H)	LITHONIA RSX1-P1-40K-R3-MVOLT-SPA-(HS)-NLTAIR2/PIRHN-SCBA SSA-20-4G-DM19*-FBC-NEC-SCBA OR EQUIVALENT	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 3 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 20' ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICLE POLE BASE VEHICLE RISER SEE DETAIL	52 W	7000 LUMEN NOMINAL LED 4000K	WB4- L3K WB4- L3K(B)	TERON VCY48-L24-MVOLT-SCBA-40K-(EB) OR EQUIVALENT WITH PRIOR APPROVAL	DECORATIVE WALL BRACKET; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	WALL ABOVE MIRROR	24 W	3000 LUMEN NOMINAL LED 4000K
P31- L7L	LITHONIA RSX1-P1-40K-R3-MVOLT-SPA-(HS)-NLTAIR2/PIRHN-SCBA SSA-MOD(22)-4G-DM19*-FBC-NEC-SCBA EQUIVALENT ONLY WITH PRIOR APPROVAL	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 3 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 22' ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICLE POLE BASE LANDSCAPE RISER SEE DETAIL	52 W	7000 LUMEN NOMINAL LED 4000K						

NOTES

LIGHT FIXTURE ACCESSORY APPEND

B	AS SPECIFIED	APPENDED TO FIXTURE TYPE; 1100 LUMEN EM BATTERY SUPPLY	AS SPECIFIED		PER FIXTURE TYPE	H	HOUSE SIDE SHIELD	INTERNALLY MOUNTED, HOUSE-SIDE SHIELD ACCESSORY	FACTORY MOUNT IN FIXTURE		PER FIXTURE TYPE

NOTES

-FIXTURE APPENDS ARE ADDED TO STANDARD FIXTURE TYPES. APPENDS ARE INTENDED TO MODIFY FIXTURE CATALOG NUMBERS GIVEN ABOVE AS NOTED IN APPEND DESCRIPTION

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

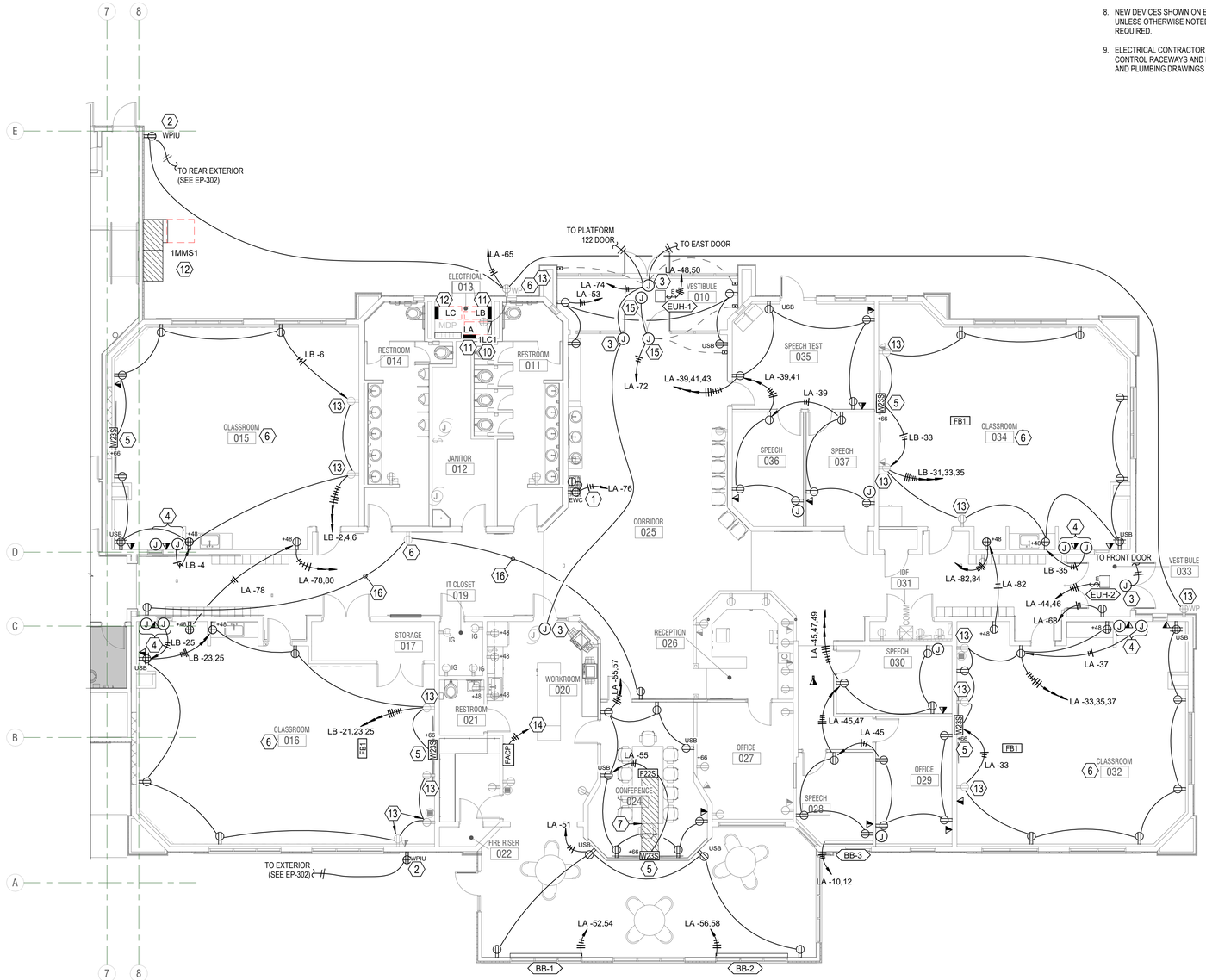
CONSTRUCTION DOCUMENTS

LIGHTING SCHEDULE

EL-601

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:22:21 AM Autodesk Docs://125054 -LCSD ECC Pre-School Addition/5 LCSD ECC Pre-School Addition_V24.rvt



A1 POWER PLAN: MAIN LEVEL

1/8" = 1'-0"

GENERAL NOTES

1. COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
2. NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
3. FIELD VERIFY FLOOR BOX LOCATION WITH OWNER PRIOR TO ROUGH-IN.
4. PROVIDE COMMUNICATIONS BOX AND 1.25" CONDUIT STUBBED TO NEAREST COMMUNICATIONS CABLE TRAY FOR EACH COMMUNICATIONS DEVICE INDICATED.
5. ALL RECEPTACLES ON THIS PROJECT SHALL BE TAMPER RESISTANT.
6. BASE BID: CAN INCLUDE MC CABLE WHERE ALLOWED BY SPECIFICATIONS. ALTERNATE BID: SHALL BE ALL CONDUCTORS IN CONDUIT WITH MC CABLE PROHIBITED.
7. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
8. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.
9. ELECTRICAL CONTRACTOR SHALL INSTALL ALL HVAC AND PLUMBING CONTROL RACEWAYS AND BOXES AS SPECIFIED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

KEYED NOTES

1. MOUNT EWC OUTLET BEHIND COOLER COVER. ROUTE CIRCUIT THROUGH FACELESS GFCI (LEVITON 7590 OR EQUIVALENT) MOUNTED BELOW COOLER COVER. SEE DETAIL 5/EP501 FOR ADDITIONAL INFORMATION.
2. PROVIDE LOCKABLE, WP-IN-USE COVER FOR EXTERIOR OUTLETS AS SPECIFIED. FIELD PAINT BOX AND COVER PRIOR TO INSTALLATION TO MATCH BUILDING ACCENT TRIM COLOR.
3. PROVIDE POWER TO DOOR ACCESS CONTROL EQUIPMENT AS REQUIRED.
4. PROVIDE POWER AND COMMUNICATIONS TO A/V RACK IN UPPER CABINET BY TEACHER'S DESK. SEE ET SHEETS FOR ADDITIONAL INFORMATION.
5. PROVIDE POWER TO TV. VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND OWNER PRIOR TO ROUGH-IN.
6. UPGRADE EXISTING DEVICES TO REMAIN IN ROOM WITH NEW COMPLYING WITH THIS PROJECT'S SPECIFICATIONS.
7. CUT, PATCH AND REPAIR FLOOR FOR NEW CIRCUIT INSTALLATIONS.
8. OUTLETS MOUNTED IN CABINET. COORDINATE INSTALLATION WITH CABINET PROVIDER. SEE ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.
9. MOUNT OUTLET HORIZANTALLY BETWEEN UPPER AND LOWER COUNTERTOPS.
10. PROVIDE NEW LIGHTING RELAY CONTROL PANEL. SEE LIGHTING CONTROL RISER DIAGRAM SHEET EL-501 FOR ADDITIONAL INFORMATION.
11. UPGRADE PANEL IN SAME LOCATION.
12. PROVIDE NEW DISTRIBUTION. SEE ELECTRICAL ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
13. RE-CIRCUIT EXISTING OUTLET AS INDICATED.
14. CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING REMOVED PANEL.
15. PROVIDE POWER TO AUTOMATIC DOOR OPENER. PROVIDE 1/2" CONDUIT WITH CONTROL WIRING TO DOOR OPENER BUTTON PER EQUIPMENT REQUIREMENTS. VERIFY BUTTON LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. INTERLOCK DOOR OPENER WITH ACCESS CONTROL SYSTEM TO ACTIVATE ON SUCCESSFUL CARD READ.
16. CONNECT TO EXISTING CIRCUIT INDICATED.

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	D.PATTON
CHECKED BY:	S.SWENSON
ISSUED:	05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294171
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

CONSTRUCTION DOCUMENTS

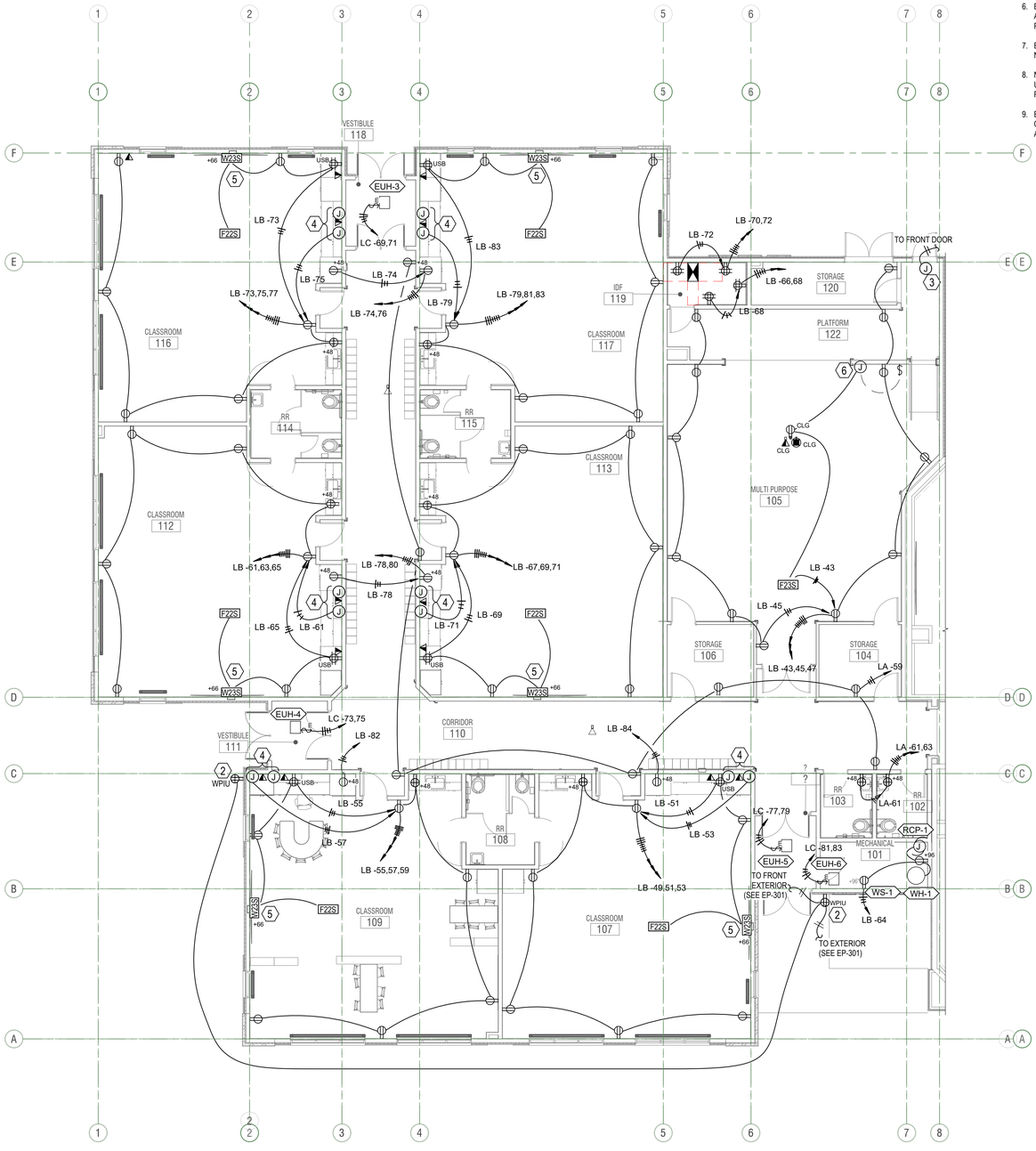
NORTH

POWER PLAN - REMODEL

EP-301

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:22:27 AM Autodesk Docs://125054_LCSD ECC Preschool Addition/_LCSD ECC Pre-School Addition_V24.rvt



GENERAL NOTES

1. COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
2. NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
3. FIELD VERIFY FLOOR BOX LOCATION WITH OWNER PRIOR TO ROUGH-IN.
4. PROVIDE COMMUNICATIONS BOX AND 1.25" CONDUIT STUBBED TO NEAREST COMMUNICATIONS CABLE TRAY FOR EACH COMMUNICATIONS DEVICE INDICATED.
5. ALL RECEPTACLES ON THIS PROJECT SHALL BE TAMPER RESISTANT.
6. BASE BID: CAN INCLUDE MC CABLE WHERE ALLOWED BY SPECIFICATIONS. ALTERNATE BID: SHALL BE ALL CONDUCTORS IN CONDUIT WITH MC CABLE PROHIBITED.
7. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
8. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.
9. ELECTRICAL CONTRACTOR SHALL INSTALL ALL HVAC AND PLUMBING CONTROL RACEWAYS AND BOXES AS SPECIFIED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

KEYED NOTES

1. MOUNT EWC OUTLET BEHIND COOLER COVER. ROUTE CIRCUIT THROUGH FACELESS GFCI (LEVITON 7590 OR EQUIVALENT) MOUNTED BELOW COOLER COVER. SEE DETAIL 5/EP501 FOR ADDITIONAL INFORMATION.
2. PROVIDE LOCKABLE, WP-IN-USE COVER FOR EXTERIOR OUTLETS AS SPECIFIED. FIELD PAINT BOX AND COVER PRIOR TO INSTALLATION TO MATCH BUILDING ACCENT TRIM COLOR.
3. PROVIDE POWER TO DOOR ACCESS CONTROL EQUIPMENT AS REQUIRED.
4. PROVIDE POWER AND COMMUNICATIONS TO A/V RACK IN UPPER CABINET BY TEACHER'S DESK. SEE ET SHEETS FOR ADDITIONAL INFORMATION.
5. PROVIDE POWER TO TV. VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND OWNER PRIOR TO ROUGH-IN.
6. PROVIDE POWER TO MOTORIZED SCREEN. PROVIDE UP/DOWN MOTOR CONTROL SWITCH WITH 1/2" CONDUIT AND CONTROL WIRING TO MOTOR. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.

A1 POWER PLAN: MAIN LEVEL - ADDITION

1/8" = 1'-0"

NORTH

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

CONSTRUCTION DOCUMENTS

MARK:	DESCRIPTION:	DATE:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

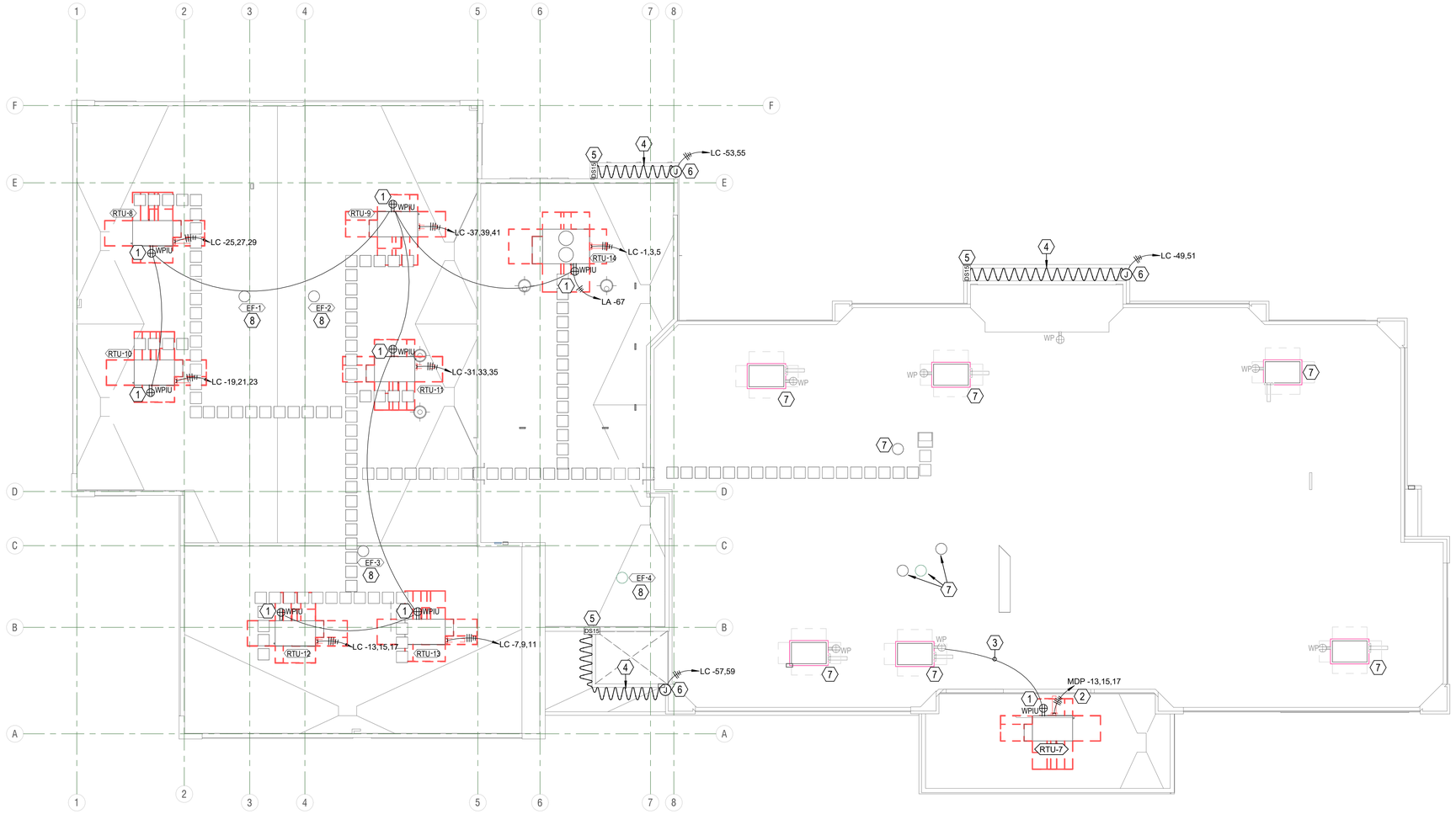
REGISTERED PROFESSIONAL ENGINEER
No. 291171
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

POWER PLAN - ADDITION

EP-302

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:22:22 AM Autodesk Docs://125054 LCSD ECC Preschool Addition/LCSD ECC Pre-School Addition_V24.rvt



A1 POWER PLAN: ROOF

3/32" = 1'-0"

KEYED NOTES

1. PROVIDE CONNECTION TO ROOF SERVICE OUTLET FURNISHED WITH EQUIPMENT.
2. SEE ELECTRICAL ONE-DIAGRAM FOR CIRCUITING INFORMATION.
3. CONNECT TO EXISTING CIRCUIT INDICATED.
4. PROVIDE ROOF SNOWMELT/DE-ICING CABLE ALONG PATHS INDICATED.
5. EXTEND DE-ICING CABLE THROUGH DOWNSPOUT/ROOF DRAIN 5' PAST END OF SPOUT OR AS OTHERWISE DIRECTED BY MANUFACTURER. "#" SHOWN ON DOWNSPOUT IS ANTICIPATED CABLE LENGTH.
6. ANTICIPATED POWER CONNECTION POINT FOR SNOWMELT CABLE. CONTRACTOR VERIFY WITH VENDOR DRAWINGS.
7. EXISTING MECHANICAL EQUIPMENT TO REMAIN.
8. SEE LIGHTING PLAN FOR CONNECTION.

GENERAL NOTES

1. ALL RECEPTACLES ON THIS PROJECT SHALL BE TAMPER RESISTANT.
2. BASE BID: CAN INCLUDE MC CABLE WHERE ALLOWED BY SPECIFICATIONS. ALTERNATE BID: SHALL BE ALL CONDUCTORS IN CONDUIT WITH MC CABLE PROHIBITED.
3. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
4. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.
5. ELECTRICAL CONTRACTOR SHALL INSTALL ALL HVAC AND PLUMBING CONTROL RACEWAYS AND BOXES AS SPECIFIED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6. ROOF SNOW-MELT PERFORMANCE:
   - CONTRACTOR IS RESPONSIBLE TO INCLUDE ALL LAYOUT, DESIGN, MATERIALS, LABOR, ETC. FOR COMPLETE SYSTEM DESIGN.
   - ELECTRICAL LOAD REQUIREMENTS HAVE BEEN ESTIMATED BY ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY REQUIREMENTS WITH SYSTEM REP AND NOTIFY ENGINEER OF CHANGES.
   - PROVIDE SUBMITTALS ON SNOW-MELT SYSTEM INCLUDING LAYOUT/DESIGN, COMPONENTS, CONTROL EQUIPMENT, ETC.
   - SYSTEM STARTING TEMPERATURE -30°F OR LOWER.
   - FULL COMPLIANCE WITH NEC 426.
   - 12W/FT 277-VOLT CABLE.
   - AUTOMATIC CONTROLS AND SENSORS TO SHUT-OFF SYSTEM WHEN NO PRECIPITATION IS FALLING OR WHEN OUTDOOR TEMPERATURE IS ABOVE 40°F PER IECC C403.2.5.
   - SEPARATE SENSORS AND CONTROLS FOR EACH ZONE IDENTIFIED.
   - GROUND FAULT PROTECTION FOR EQUIPMENT.
   - ALL INSTALLATIONS CONCEALED IN BUILDING ELEMENTS.
   - REMOTE CONTROL AND INDICATION OF SYSTEM STATUS IN JANITOR 010. CONTRACTOR PANELS LOCATED IN MAIN ELECTRICAL ROOM.
   - PROVIDE OWNER TRAINING (4-HOUR MINIMUM) OF SYSTEM.
   - ALLOW FOR #6 CU IN 1" CONDUIT SUPPLY CIRCUIT FOR EACH CONNECTOR CIRCUIT SHOWN.

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
GOWNING, BREAKROOM, OFFICE SPACE
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 291171
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

CONSTRUCTION DOCUMENTS

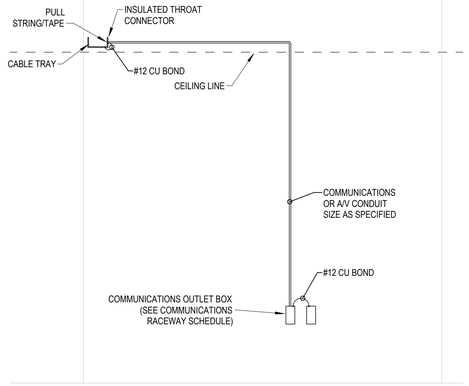
POWER PLAN - ROOF

EP-303

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

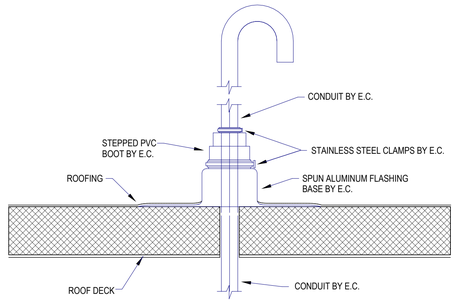
NORTH

5/23/2025 11:22:38 AM Autodesk Docs://125054_LCSD ECC Pre-School Addition/LCSD ECC Pre-School Addition_CEV.rvt



7 LOW-VOLTAGE OUTLET ROUGH-IN DETAIL

N.T.S.

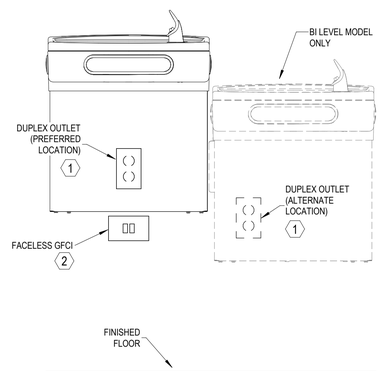


6 Conduit/Roof Penetration Detail

N.T.S.

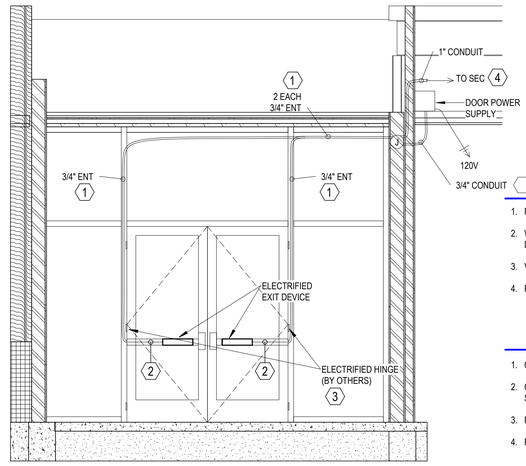
DETAIL KEYED NOTES

1. VERIFY OUTLET LOCATION WITH MANUFACTURER'S REQUIREMENTS AND FIELD CONDITIONS TO BE CONCEALED WITH COVER INSTALLED.
2. FACELESS GFCI - HORIZONTAL, FLUSH-MOUNT IMMEDIATELY BELOW COOLER COVER TO BE ACCESSIBLE WITH COVER IN PLACE. CONNECT OUTLETS TO LOAD-SIDE OF GFCI.



5 Drinking Fountain Electrical Detail

N.T.S.



DETAIL KEYED NOTES

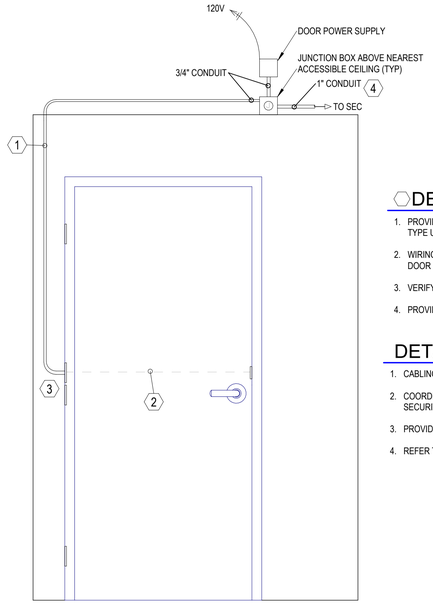
1. PROVIDE 3/4" ENT ROUTED THROUGH STOREFRONT/WINDOW MULLIONS.
2. WIRING THROUGH HINGE TO ELECTRIFIED HARDWARE WITH INTEGRAL REX AND DOOR STATUS. CABLE BY OTHERS.
3. VERIFY HEIGHT WITH DOOR HARDWARE SUPPLIER.
4. PROVIDE HOME-RUN TO SECURITY SYSTEM HEAD-END LOCATION.

DETAIL GENERAL NOTES

1. CABLING BY OTHERS.
2. COORDINATE ALL CONDUIT, BOX TYPES AND LOCATIONS WITH OWNER'S SECURITY SYSTEM VENDOR PRIOR TO ROUGH-IN.
3. PROVIDE INSULATED THROAT CONNECTORS ON BOTH ENDS OF ALL CONDUITS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR HARDWARE TYPES.

4 ENTRY DOOR ACCESS DETAIL

N.T.S.



DETAIL KEYED NOTES

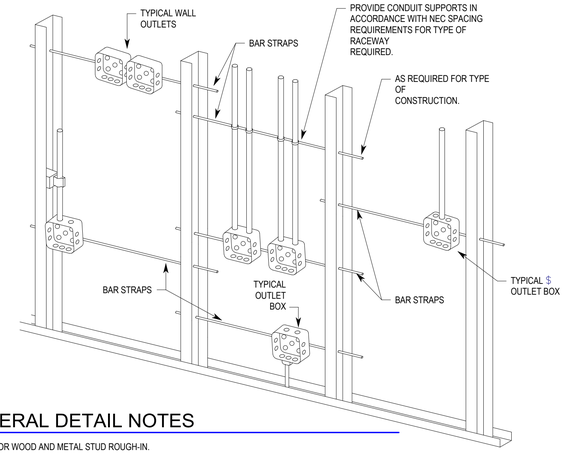
1. PROVIDE CONDUIT TO EPT HARDWARE. SEE ELECTRONIC SYSTEMS PLAN FOR TYPE USED AT EACH DOOR.
2. WIRING THROUGH HINGE TO ELECTRIFIED HARDWARE WITH INTEGRAL REX AND DOOR STATUS. CABLE BY OTHERS.
3. VERIFY HEIGHT WITH DOOR HARDWARE SUPPLIER.
4. PROVIDE HOME-RUN TO SECURITY SYSTEM HEAD-END LOCATION.

DETAIL GENERAL NOTES

1. CABLING BY OTHERS.
2. COORDINATE ALL CONDUIT, BOX TYPES AND LOCATIONS WITH OWNER'S SECURITY SYSTEM VENDOR PRIOR TO ROUGH-IN.
3. PROVIDE INSULATED THROAT CONNECTORS ON BOTH ENDS OF ALL CONDUITS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR HARDWARE TYPES.

3 TYPICAL ACCESS CONTROL DOOR ROUGH-IN DETAIL: EPT

N.T.S.

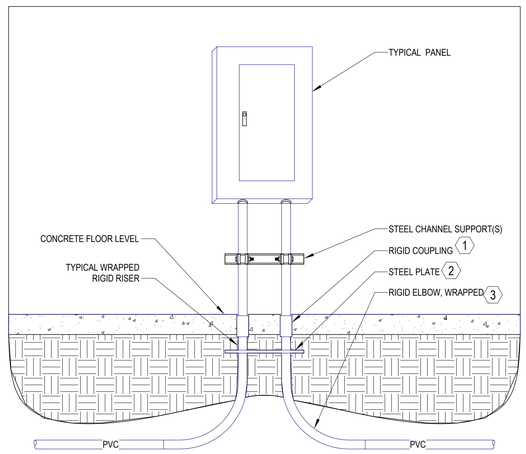


GENERAL DETAIL NOTES

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

2 ROUGH-IN REQUIREMENTS DETAIL(TYP.)

N.T.S.



DETAIL KEYED NOTES

1. SET COUPLING FLUSH WITH FINISH FLOOR.
2. PROVIDE STEEL PLATE WITH SAME DIMENSIONS AS PANEL BOTTOM PLATE. PUNCH PLATE PER CONDUITS ENTERING PANEL TO STRAIGHTEN/ORGANIZE CONDUITS PRIOR TO FINAL RISE INTO PANEL.
3. TRANSITION TO WRAPPED RIGID CONDUIT PRIOR TO RISING ABOVE FLOOR AS SPECIFIED.

1 EQUIPMENT CONDUIT RISER DETAIL

N.T.S.

CONSTRUCTION DOCUMENTS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

GOWNING, BREAKROOM, OFFICE SPACE

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK	DATE	DESCRIPTION

PROJECT #:	125054
DRAWN BY:	D.PATTON
CHECKED BY:	S.SWENSON
ISSUED:	05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

ELECTRICAL DETAILS

EP-501

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:22:41 AM Autodesk Docs://125054 LCSD ECC Preschool Addition/LCSD ECC Pre-School Addition_V24.rvt

PANEL 1MMS1 | TYPE GE SPECTRA SERIES SWBD | 3 | Ø | 4 | WIRE 120/208 | VOLTS

X	NEW
	EXISTING
3R	NEMA RATING
SP	BOLT ON BREAKERS
SP	ISOLATED GROUND BUS
1LIN	SURGE PROTECT (SPD)

REMARKS
-ALL CIRCUITS CONSIDERED EXISTING UNLESS OTHERWISE INDICATED IN THESE DRAWINGS
-*=VERIFY WITH EQUIPMENT NAMEPLATE AND/OR SUBMITTAL PRIOR TO GEAR RELEASE
-+=SEE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION

LOCATION: EXTERIOR

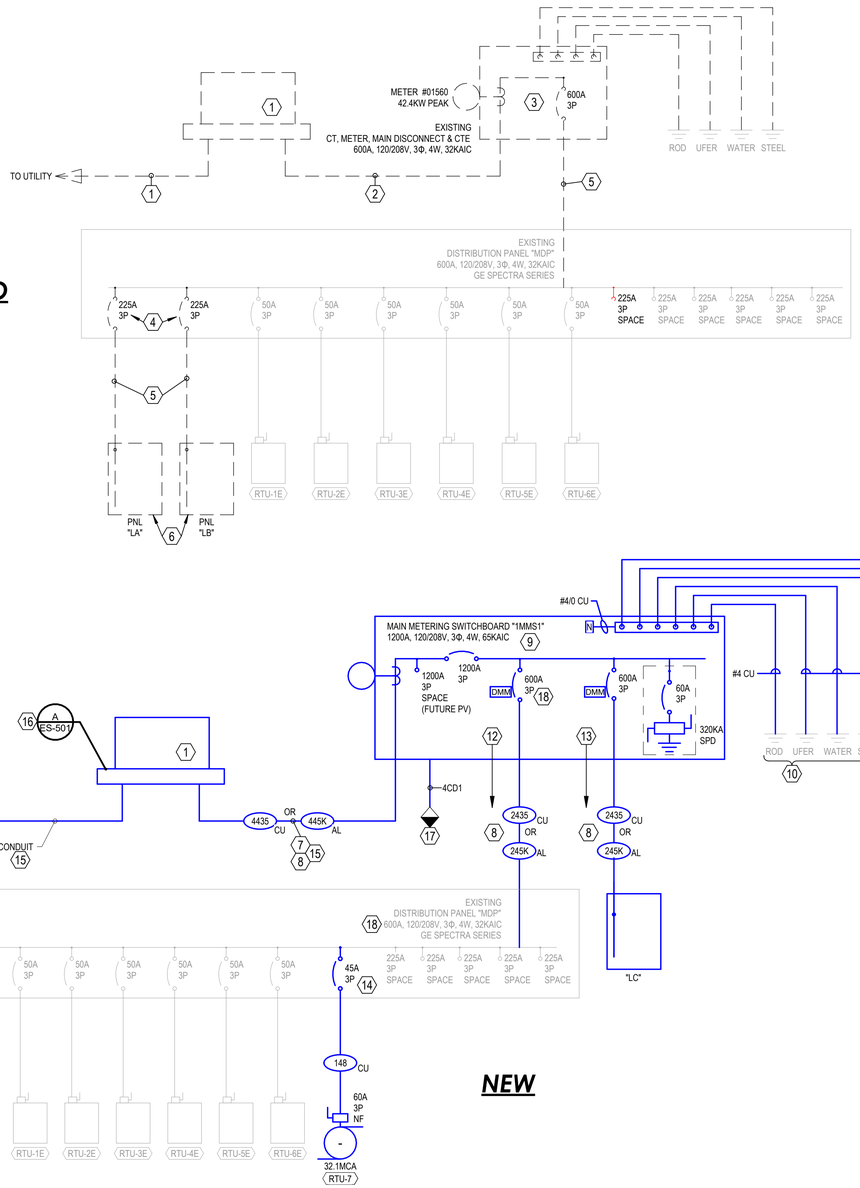
MOUNTING: | | FLUSH | X | SURFACE | 1LIN | AMP MAIN | 1LIN | LUGS | 1LIN | BREAKER

No.	BRKR A	BRKR P	CIRCUIT DESCRIPTION	L	O	M	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	CIRC. LOAD	A	B	C	CIRC. LOAD	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	L	O	M	CIRCUIT DESCRIPTION	BRKR A	BRKR P	No.
1	1LIN	3	SPACE (LINE SIDE OF MAIN)				1LIN	1LIN	1LIN	1LIN		0				1LIN	1LIN	1LIN	1LIN				SPD	1LIN	3	2
3	-	-	- (FUTURE PV)				1LIN						0			1LIN							-	-	-	4
5	-	-	-				1LIN							0		1LIN							-	-	-	6
7	1LIN	3	PANEL MDP				1LIN	1LIN	1LIN	1LIN	40471	87343			46872	1LIN	1LIN	1LIN	1LIN				PANEL LC	1LIN	3	8
9	-	-	-				1LIN				39370		86242		46872	1LIN							-	-	-	10
11	-	-	-				1LIN				36758			83630	46872	1LIN							-	-	-	12
											TOTALS	87343	86242	83630												
											EXISTING DEMAND	17667	17667	17667												

AIC SEE ONE-LINE
SCCR SEE ONE-LINE
PARALLEL RUNS SEE ONE-LINE

FEEDER SEE ONE-LINE
AMPS/PHASE 875 866 844

BREAKER CODES
A=ARC-FAULT; G=GROUND FAULT; H=HACR; L=LOCKING HANDLE; S=SHUNT TRIP; R=RED PAINTED HANDLE
WIRE CODES
I=ADD'L ISO GROUND TO MATCH SAFETY GROUND; S=UNLESS OTHERWISE SPECIFIED
GENERAL CODES
1LIN=SEE ONE-LINE DIAGRAM; AS=AS SPECIFIED



KEYED NOTES

1. COORDINATE RELOCATION/UPGRADE OF EXISTING TRANSFORMER WITH LOCAL UTILITY REP.
2. REMOVE EXISTING SERVICE LATERAL.
3. REMOVE EXISTING MAIN METER/DISCONNECT.
4. UPGRADE BREAKERS IN EXISTING SWITCHBOARD.
5. REMOVE EXISTING FEEDERS.
6. UPGRADE EXISTING PANELS IN SAME LOCATION.
7. PROVIDE NEW SERVICE LATERAL.
8. ALTERNATE CONFIGURATIONS OF PARALLEL FEEDERS CAN BE USED WITH ENGINEER'S, PRIOR WRITTEN APPROVAL.
9. PROVIDE NEW MAIN METERING SWITCHBOARD.
10. CONNECT TO EXISTING GROUNDING ELECTRODES
11. PROVIDE BONDING TO NEW BUILDING AS INDICATED.
12. RE-FEED EXISTING DISTRIBUTION AS INDICATED.
13. PROVIDE NEW DISTRIBUTION.
14. PROVIDE NEW BREAKER IN EXISTING PANEL.
15. CONDUIT, TRENCHING, BACKFILL AND SECONDARY CONDUCTORS BY CONTRACTOR PER UTILITY STANDARDS. PRIMARY CONDUCTORS BY UTILITY.
16. EQUIPMENT PADVAULT BY CONTRACTOR. EQUIPMENT BY UTILITY.
17. STUB CONDUITS TO ROOF TO ALLOW FOR FUTURE PV CONNECTIONS.
18. SERIES RATE BREAKER WITH PANEL MDP SO EXISTING AIC RATINGS ARE NOT EXCEEDED.

GENERAL NOTES

1. AIC RATINGS SHOWN INDICATE MINIMUM REQUIRED VALUES. USE MANUFACTURERS STANDARD EQUIPMENT WITH NEXT HIGHER RATING.
2. INSTALL GROUNDING ELECTRODE CONDUCTORS IN CONDUIT WHERE CONDUCTOR IS NOT ABLE TO BE CONCEALED IN BUILDING FINISHES.
3. A FULL SIZE EQUIPMENT GROUNDING CONDUCTOR SIZED FOR THE OVERCURRENT PROTECTIVE DEVICE PROTECTING THE CIRCUIT IS REQUIRED IN EACH RACEWAY OR CABLE FOR PARALLELED CIRCUITS.
4. COMPLY WITH POWER UTILITY'S REQUIREMENTS FOR ALL UTILITY RELATED INSTALLATIONS. REVIEW CURRENT UTILITY STANDARDS MANUAL PRIOR TO BID. NOTIFY ENGINEER OF CONFLICTS PRIOR TO BID.
5. ALL CONDUCTORS ARE CONSIDERED TO BE COPPER UNLESS SPECIFICALLY NOTED OTHERWISE.
6. CONTRACTOR SHALL DOCUMENT FEEDER CONDUCTOR LENGTH ON FIELD REDLINE SET. FEEDER LENGTHS ARE REQUIRED FOR ARC FAULT STUDIES AS SPECIFIED.
7. FIELD MARK SERVICE EQUIPMENT WITH AVAILABLE FAULT CURRENT AND CALCULATION DATE PER NEC 110.24(A).
8. ALL NEW GEAR TO BE GE TO MATCH EXISTING.
9. NEW SERVICE INSTALLATIONS SHALL BE INSTALLED TO THE GREATEST EXTENT POSSIBLE PRIOR TO DEACTIVATING EXISTING SERVICE TO MINIMIZE SERVICE SHUT-DOWN DURATION. COORDINATE SWITCHOVER TO NOT INTERFERE WITH OWNER'S STANDARD SCHEDULES. PROVIDE TEMPORARY POWER TO EXISTING FACILITY FOR SHUTDOWNS DURING OWNER'S OPERATING HOURS.

CONDUCTOR AND CONDUIT SCHEDULE

SIZE OF CONDUCTORS
QUANTITY OF PHASE/NEUTRAL CONDUCTORS
QUANTITY OF PARALLEL RUNS
SCHEDULE NUMBER
CONDUCTOR MATERIAL
SUBSCRIPTS (SEE NOTE 5)

SYM	AMP	CONDUIT QTY	CONDUIT SIZE	CONDUCTOR (NOTE 1,6,7) QTY	SIZE P/N	G CU	G AL	IG CU	IG AL	SE (NOTE 4) CU	SE (NOTE 4) AL	NOTES
1 2 12	20	1	3/4"	2	12	12	N/A	12	N/A	8	N/A	2
1 3 12	20	1	3/4"	3	12	12	N/A	12	N/A	8	N/A	2,3
1 4 12	20	1	3/4"	4	12	12	N/A	12	N/A	8	N/A	2,3
1 2 0	30	1	3/4"	2	10	10	N/A	10	N/A	8	N/A	2
1 3 0	30	1	3/4"	3	10	10	N/A	10	N/A	8	N/A	2
1 4 0	30	1	3/4"	4	10	10	N/A	10	N/A	8	N/A	2
1 2 8	40	1	1"	2	8	10	N/A	8	N/A	8	N/A	2
1 3 8	40	1	1"	3	8	10	N/A	8	N/A	8	N/A	2
1 4 8	40	1	1"	4	8	10	N/A	8	N/A	8	N/A	2
1 2 6	55	1	1"	2	6	10	N/A	6	N/A	8	N/A	2
1 3 6	55	1	1"	3	6	10	N/A	6	N/A	8	N/A	2
1 4 6	55	1	1.25"	4	6	10	N/A	6	N/A	8	N/A	2
1 2 4	70	1	1.25"	2	4	8	6	4	4	8	N/A	2
1 3 4	70	1	1.25"	3	4	8	6	4	4	8	N/A	2
1 4 4	70	1	1.25"	4	4	8	6	4	4	8	N/A	2
1 2 3	85	1	1.25"	2	3	8	6	3	3	8	N/A	2
1 3 3	85	1	1.25"	3	3	8	6	3	3	8	N/A	2
1 4 3	85	1	1.25"	4	3	8	6	3	3	8	N/A	2
1 3 2	95	1	1.25"	3	2	8	6	2	2	8	6	2
1 4 2	95	1	1.5"	4	2	8	6	2	2	8	6	2
1 3 1	130	100	1	1.5"	3	1	6	6	2	2	6	6	2
1 4 1	130	100	1	1.5"	4	1	6	6	2	2	6	6	2,8
1 3 10	150	120	1	2"	3	1/0	6	4	2	1	6	6	2
1 4 10	150	120	1	2"	4	1/0	6	4	2	1	6	6	2
1 3 20	175	135	1	2"	3	2/0	6	4	2	1	4	4	2
1 4 20	175	135	1	2"	4	2/0	6	4	2	1	4	4	2
1 3 30	200	155	1	2"	3	3/0	6	4	2	1	4	4	2
1 4 30	200	155	1	2.5"	4	3/0	6	4	2	1	4	4	2
1 3 40	230	180	1	2.5"	3	4/0	4	4	1	1	2	2	2
1 4 40	230	180	1	2.5"	4	4/0	4	4	1	1	2	2	2
1 2 25	255	205	1	2.5"	2	250	4	4	1	1	2	2	2
1 3 25	255	205	1	2.5"	3	250	4	2	1	2/0	2	2	2
1 4 25	255	205	1	3"	4	250	4	2	1	2/0	2	2	2,8
1 3 3K	285	230	1	3"	3	300	4	2	1	2/0	2	1/0	2,8
1 4 3K	285	230	1	3"	4	300	4	2	1	2/0	2	1/0	2
1 3 35	310	250	1	3"	3	350	3	2	1/0	2/0	2	1/0	2
1 4 35	310	250	1	3"	4	350	3	2	1/0	2/0	2	1/0	2,8
1 3 4K	335	270	1	3.5"	3	400	3	2	1/0	2/0	1/0	1/0	2
1 4 4K	335	270	1	3.5"	4	400	3	2	1/0	2/0	1/0	1/0	2
1 3 5K	380	310	1	4"	3	500	3	1	1/0	3/0	1/0	1/0	2,4
1 4 5K	380	310	1	4"	4	500	3	1	1/0	3/0	1/0	1/0	2,4
1 3 75	475	385	1	4"	3	750	2	1	2/0	3/0	2/0	3/0	2,4
1 4 75	475	385	1	4"	4	750	2	1	2/0	3/0	2/0	3/0	2,4
1 310K	545	445	1	5"-CU 4"-AL*	3	1000	1	1/0	3/0	4/0	2/0	4/0	2,4
1 410K	545	445	1	5"	4	1000	1	1/0	3/0	4/0	2/0	4/0	2,4
2 3 10	300	240	2	2"	3	1/0	4	2	1	1/0	2	2	2
2 4 10	300	240	2	2"	4	1/0	4	2	1	1/0	2	2	2
2 3 20	350	270	2	2"	3	2/0	3	1	1/0	2/0	2	1/0	2
2 4 20	350	270	2	2"	4	2/0	3	1	1/0	2/0	2	1/0	2
2 3 30	400	310	2	2"	3	3/0	3	1	1/0	3/0	2	1/0	2,4
2 4 30	400	310	2	2.5"	4	3/0	3	1	1/0	3/0	2	1/0	2,4
2 3 40	460	360	2	2.5"	3	4/0	2	1	2/0	3/0	1/0	1/0	2,4
2 4 40	460	360	2	2.5"	4	4/0	2	1	2/0	3/0	1/0	1/0	2,4
2 3 25	510	410	2	2.5"	3	250	1	1/0	3/0	4/0	1/0	1/0	2,4
2 4 25	510	410	2	3"	4	250	1	1/0	3/0	4/0	1/0	1/0	2,4,8
2 3 3K	570	460	2	3"	3	300	1	1/0	3/0	4/0	1/0	3/0	2,4,8
2 4 3K	570	460	2	3"	4	300	1	1/0	3/0	4/0	1/0	3/0	2,4
2 3 35	620	500	2	3"	3	350	1/0	1/0	4/0	4/0	2/0	3/0	2,4
2 4 35	620	500	2	3"	4	350	1/0	1/0	4/0	4/0	2/0	3/0	2,4,8
2 3 4K	670	540	2	3.5"	3	400	1/0	2/0	4/0	4/0	2/0	3/0	2,4

SYM	AMP	CONDUIT QTY	CONDUIT SIZE	CONDUCTOR (NOTE 1,6,7) QTY	SIZE P/N	G CU	G AL	IG CU	IG AL	SE (NOTE 4) CU	SE (NOTE 4) AL	NOTES
2 4 4K	670	540	2	3.5"	4	400	1/0	2/0	4/0	4/0	2/0	3/0	2,4
2 3 5K	760	620	2	4"	3	500	1/0	3/0	4/0	300	2/0	4/0	2,4
2 4 5K	760	620	2	4"	4	500	1/0	3/0	4/0	300	2/0	4/0	2,4
2 3 75	950	770	2	4"	3	750	1/0	3/0	4/0	300	4/0	4/0	2,4
2 4 75	950	770	2	4"	4	750	1/0	3/0	4/0	300	4/0	4/0	2,4
2 310K	1090	890	2	5"-CU 4"-AL*	3	1000	2/0	3/0	4/0	300	250	250	2,4
2 410K	1090	890	2	5"	4	1000	2/0	3/0	4/0	300	250	250	2,4
3 3 10	450	360	3	2"	3	1/0	2	1	1/0	1/0	2	1/0	2,4
3 4 10	450	360	3	2"	4	1/0	2	1	1/0	1/0	2	1/0	2,4
3 3 20	525	405	3	2"	3	2/0	1	1/0	2/0	2/0	1/0	3/0	2,4
3 4 20	525	405	3	2"	4	2/0	1	1/0	2/0	2/0	1/0	3/0	2,4
3 3 30	600	465	3	2"	3	3/0	1	1/0	3/0	3/0	1/0	3/0	2,4
3 4 30	600	465	3	2.5"	4	3/0	1	1/0	3/0	3/0	1/0	3/0	2,4
3 3 40	690	540	3	2.5"	3	4/0	1/0	2/0	4/0	4/0	2/0	3/0	2,4
3 4 40	690	540	3	2.5"	4	4/0	1/0	2/0	4/0	4/0	2/0	3/0	2,4
3 3 25	765	615	3	2.5"	3	250	1/0	3/0	4/0	250	2/0	3/0	2,4
3 4 25	765	615	3	3"	4	250	1/0	3/0	4/0	250	2/0	3/0	2,4
3 3 3K	855	690	3	3"	3	300	1/0	3/0	4/0	300	2/0	3/0	2,4,8
3 4 3K	855	690	3	3"	4	300	1/0	3/0	4/0	300	2/0	3/0	2,4,8
3 3 35	930	750	3	3"	3	350	1/0	3/0	4/0	300	3/0	4/0	2,4
3 4 35	930	750	3	3"	4	350	1/0	3/0	4/0	300	3/0	4/0	2,4
3 3 4K	1005	810	3	3.5"	3	400	2/0	3/0	4/0	300	3/0	4/0	2,4,8
3 4 4K	1005	810	3	3.5"	4	400	2/0	3/0	4/0	300	3/0	4/0	4
3 3 5K	1140	930	3	4"	3	500	2/0	3/0	4/0	300	4/0	4/0	4
3 4 5K	1140	930	3	4"	4	500	2/0	3/0	4/0	300	4/0	4/0	4
4 3 10	600	480	4	2"	3	1/0	1	1/0	1/0	1/0	1/0	1/0	4
4 4 10	600	480	4	2"	4	1/0	1	1/0	1/0	1/0	1/0	1/0	4
4 3 20	700	540	4	2"	3	2/0	1/0	2/0	2/0	2/0	1/0	3/0	4
4 4 20	700	540	4	2"	4	2/0	1/0	2/0	2/0	2/0	1/0	3/0	4
4 3 30	800	620	4	2"	3	3/0	1/0	3/0	3/0	3/0	2/0	3/0	4
4 4 30	800	620	4	2.5"	4	3/0	1/0	3/0	3/0	3/0	2/0	3/0	4
4 3 40	920	720	4	2.5"	3	4/0	1/0	3/0	4/0	4/0	2/0	3/0	4
4 4 40	920	720	4	2.5"	4	4/0	1/0	3/0	4/0	4/0	2/0	3/0	4
4 3 25	1020	820	4	2.5"	3	250	2/0	3/0	4/0	250	2/0	4/0	4
4 4 25	1020	820	4	3"	4	250	2/0	3/0	4/0	250	2/0	4/0	4
4 3 3K	1140	920	4	3"	3	300	2/0	3/0	4/0	300	3/0	4/0	4,8
4 4 3K	1140	920	4	3"	4	300	2/0	3/0	4/0	300	3/0	4/0	4,8
4 3 35	1240	1000	4	3"	3	350	3/0	4/0	4/0	300	4/0	4/0	4
4 4 35	1240	1000	4	3"	4	350	3/0	4/0	4/0	300	4/0	4/0	4
4 3 4K	1340	1080	4	3.5"	3	400	3/0	4/0	4/0	300	4/0	4/0	4,8
4 4 4K	1340	1080	4	3.5"	4	400	3/0	4/0	4/0	300	4/0	4/0	4
4 3 5K	1520	1240	4	4"	3	500	3/0	250	4/0	350	250	250	4
4 4 5K	1520	1240	4	4"	4	500	3/0	250	4/0	350	250	250	4
4 3 6K	1680	1360	4	4"	3	600	4/0	250	4/0	350	250	250	4
4 4 6K	1680	1360	4	4"	4	600	4/0	250	4/0	350	250	250	4
5 3 4K	1675	1350	5	4"	3	400	4/0	250	250	350	250	250	4
5 4 4K	1675	1350	5	4"	4	400	4/0	250	250	350	250	250	4
6 3 4K	2010	1620	6	4"	3	400	250	350	250	350	300	300	4
6 4 4K	2010	1620	6	4"	4	400	250	350	250	350	300	300	4
7 3 5K	2660	2170	7	4"	3	500	350	400	350	500	500	500	4
7 4 5K	2660	2170	7	4"	4	500	350	400	350	500	500	500	4
7 3 7S	3325	2695	7	4"	3	750	400	600	400	600	750	750	4
7 4 7S	3325	2695	7	4"	4	750	400	600	400	600	750	750	4,8
8 3 5K	3040	2480	8	4"	3	500	400	400	500	600	500	500	4
8 4 5K	3040	2480	8	4"	4	500	400	400	500	600	500	500	4
8 3 7S	3800	3080	8	4"	3	750	500	600	500	600	750	750	4
8 4 7S	3800	3080	8	4"	4	750	500	600	500	600	750	750	4
11 3 5K	4180	3410	11	4"	3	500	500	600	500	600	500	500	4
11 4 5K	4180	3410	11	4"	4	500	500	600	500	600	500	500	4

CONDUIT AND CONDUCTOR SCHEDULE NOTES

1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE #5. ALL CONDUCTORS SHOWN ARE THWN FOR CU OR THWN OR XHHW FOR AL UNLESS OTHERWISE NOTED.
2. PROVIDE EQUIPMENT GROUNDING CONDUCTORS PER NEC TABLE 250-122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
4. GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
5. SYMBOL SUBSCRIPTS:
   - "IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
   - "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
   - "2N": INCLUDE TWO NEUTRAL CONDUCTORS, SIZED AS SCHEDULED FOR PHASED AND NEUTRAL CONDUCTORS.
   - "R": RACEWAY ONLY. CONDUCTORS PROVIDED BY UTILITY.
   - "V":PHASE AND NEUTRAL CONDUCTORS UPSIZED FOR VOLTAGE DROP. UPSIZE GROUNDING CONDUCTOR(G) PER NEC 250.122(B).
   - "A":ALUMINUM CONDUCTORS ALLOWED FOR FEEDER INDICATED. ALUMINUM CONDUCTORS ARE NOT TO BE USED FOR CONNECTIONS TO MOTORS OR MOTOR DRIVEN EQUIPMENT.
6. A FULL SIZE GROUNDING CONDUCTOR (SE OR G AND/OR IG) SHALL BE INSTALLED IN EACH RACEWAY OR CABLE FOR PARALLELED CIRCUITS.
7. GROUNDING CONDUCTORS (G, IG, AND SE) SHALL BE OF THE SAME CONDUCTOR MATERIAL AS THE CORRESPONDING PHASE CONDUCTORS TO KEEP TABLE CALCULATIONS IN ACCORDANCE WITH NEC REQUIREMENTS.
8. INCREASE CONDUIT TO NEXT LARGEST STANDARD CONDUIT SIZE WHEN IG IS USED.

* -CONDUIT SIZED FOR COMPACT ALUMINUM CONDUCTORS. USE COPPER CONDUIT SIZE FOR STANDARD SIZE CONDUCTORS

CONSTRUCTION DOCUMENTS

A3
'NO SCALE'

ELECTRICAL ONE-LINE DIAGRAMS

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION
GOWNING, BREAKROOM, OFFICE SPACE
LOGAN, UT 84321
LOGAN CITY SCHOOL DISTRICT

MARK: DATE: DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
STEVE B. SWENSON
5/29/2025
STATE OF UTAH

ELECTRICAL ONE-LINE DIAGRAM
EP-601

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:22:58 AM Autodesk Docs://125054 LCSD ECC Preschool Addition/R_LCSD ECC Pre-School Addition_V24.rvt

PANEL LB | TYPE GE A SERIES | 3 Ø 4 WIRE 120/208 VOLTS | LOCATION: MAIN ELEC ROOM | MOUNTING: SURFACE

REMARKS: -ALL CIRCUITS CONSIDERED EXISTING UNLESS OTHERWISE INDICATED IN THESE DRAWINGS; -UPGRADE PANEL IN SAME LOCATION WITH LARGER CIRCUIT CAPACITY PANEL; -~=EXISTING CIRCUIT ANTICIPATED TO BE MADE SPARE BY THIS PROJECT

NEW | X EXISTING | 1 NEMA RATING | BOLT ON BREAKERS | ISOLATED GROUND BUS | SURFACE PROTECT (SPD)

250 AMP MAIN | X LUGS | BREAKER

No.	BRKR A	BRKR P	CIRCUIT DESCRIPTION	L	O	M	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	CIRC. LOAD	A	B	C	CIRC. LOAD	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	L	O	M	CIRCUIT DESCRIPTION	BRKR A	BRKR P	No.
1	20	1	PLUGS: CLASS 4				EX	EX	EX	EX		1260			1260	12S	12S	12S	3/4S	3	2		PLUGS: CLASS 015 S	20~	1	2
3	20	1	PLUGS: RM 25				EX	EX	EX	EX			1440		1440	12S	12S	12S	3/4S		1		PLUGS: CLASS 015 A/V	20~	1	4
5	20	1	PLUGS: PHONE RM				EX	EX	EX	EX				1080	1080	12S	12S	12S	3/4S	6			PLUGS: CLASS 015 N	20~	1	6
7	20	1	PLUGS: 26.9				EX	EX	EX	EX		0				EX	EX	EX	EX				PLUGS: GFI 3.5	20	1	8
9	20	1	PLUGS 28				EX	EX	EX	EX			0			EX	EX	EX	EX				FACP	20	1	10
11	20	1	PLUGS; 27				EX	EX	EX	EX				0		12S	12S	12S	3/4S				SPARE?	20	1	12
13	20	1	PLUGS; RR				EX	EX	EX	EX		0				12S	12S	12S	3/4S				SPARE?	20	1	14
15	20	1	PLUGS: IG OUTLETS				EX	EX	EX	EX			0			12S	12S	12S	3/4S				SPARE?	20	1	16
17	20	1	PLUGS: RM 3				EX	EX	EX	EX				0		12S	12S	12S	3/4S				SPARE?	20	1	18
19	20	1	PLUGS: RM 9				EX	EX	EX	EX		0				12S	12S	12S	3/4S				SPARE?	20	1	20
21	20~	1	PLUGS: CLASS 016 N		6		12S	12S	12S	3/4S	1080		1080										SPARE~	20~	1	22
23	20~	1	PLUGS: CLASS 016 S		3	2	12S	12S	12S	3/4S	1260			1260									SPARE~	20~	1	24
25	20~	1	PLUGS: CLASS 016 A/V			1	12S	12S	12S	3/4S	1440	1440				12S	12S	12S	3/4S				SPARE?	20	1	26
27	20	1	PLUGS: E CORRIDOR				EX	EX	EX	EX			0			12S	12S	12S	3/4S				SPARE?	20	1	28
29	20	1	PLUGS: W CORRIDOR				EX	EX	EX	EX				0		12S	12S	12S	3/4S				SPARE?	20	1	30
31	20	1	PLUGS: RM 20				EX	EX	EX	EX		0				12S	12S	12S	3/4S				SPARE?	20	1	32
33	20	1	PLUGS: RM 21				EX	EX	EX	EX			0			12S	12S	12S	3/4S				SPARE?	20	1	34
35	20	1	PLUGS: RM 11				EX	EX	EX	EX				0		12S	12S	12S	3/4S				SPARE?	20	1	36
37	20~	1	PLUGS: CLASS 034 A/V			1	12S	12S	12S	3/4S	1440	1440				12S	12S	12S	3/4S				SPARE?	20	1	38
39	20~	1	PLUGS: CLASS 034 N		3	2	12S	12S	12S	3/4S	1260		1260			12S	12S	12S	3/4S				SPARE?	20	1	40
41	20~	1	PLUGS: CLASS 034 S		6		12S	12S	12S	3/4S	1080			1080		12S	12S	12S	3/4S				SPARE?	20	1	42
43	20	1	PLUGS: MULTI 105 A/V		1	2	12S	12S	12S	3/4S	900	900											SPARE	20	1	44
45	20	1	PLUGS: MULTI 105 W		6		12S	12S	12S	3/4S	1080		1080										SPARE	20	1	46
47	20	1	PLUGS: MULTI 105 E		6		12S	12S	12S	3/4S	1080			1080									SPARE	20	1	48
49	20	1	PLUGS: CLASS 107 GNRL		6		12S	12S	12S	3/4S	1080	1080											SPARE	20	1	50
51	20	1	PLUGS: CLASS 107 NE		3	2	12S	12S	12S	3/4S	1260		1260										SPARE	20	1	52
53	20	1	PLUGS: CLASS 107 A/V			1	12S	12S	12S	3/4S	1440			1440									SPARE	20	1	54
55	20	1	PLUGS: CLASS 109 NW		3	2	12S	12S	12S	3/4S	1260	1260											SPARE	20	1	56
57	20	1	PLUGS: CLASS 109 A/V			1	12S	12S	12S	3/4S	1440		1440										SPARE	20	1	58
59	20	1	PLUGS: CLASS 109 GNRL		6		12S	12S	12S	3/4S	1080			1080									SPARE	20	1	60
61	20	1	PLUGS: CLASS 112 A/V			1	12S	12S	12S	3/4S	1440	1440											SPARE	20	1	62
63	20	1	PLUGS: CLASS 112 GNRL		6		12S	12S	12S	3/4S	1080		2358		1278	12S	12S	12S	3/4S		3		WTR HTR/CIRC PUMP/WTR SOFT	20	1	64
65	20	1	PLUGS: CLASS 112 SE		3	2	12S	12S	12S	3/4S	1260			2760	1500	12S	12S	12S	3/4S	2			PHONE BOARD: ADD CKT 1	20	1	66
67	20	1	PLUGS: CLASS 113 GNRL		6		12S	12S	12S	3/4S	1080	2580			1500	12S	12S	12S	3/4S	2			PHONE BOARD: ADD CKT 2	20	1	68
69	20	1	PLUGS: CLASS 113 SW		3	2	12S	12S	12S	3/4S	1260		2760		1500	12S	12S	12S	3/4S	2			PHONE BOARD: ADD CKT 3	20	1	70
71	20	1	PLUGS: CLASS 113 A/V			1	12S	12S	12S	3/4S	1440			2940	1500	12S	12S	12S	3/4S	2			PHONE BOARD: ADD CKT 4	20	1	72
73	20	1	PLUGS: CLASS 116 NE		3	2	12S	12S	12S	3/4S	1260	2460			1200	12S	12S	12S	3/4S		1		REFER: CLASS 116	20	1	74
75	20	1	PLUGS: CLASS 116 A/V			1	12S	12S	12S	3/4S	1440		2640		1200	12S	12S	12S	3/4S		1		REFER: CLASS 117	20	1	76
77	20	1	PLUGS: CLASS 116 GNRL		6		12S	12S	12S	3/4S	1080			2280	1200	12S	12S	12S	3/4S		1		REFER: CLASS 112	20	1	78
79	20	1	PLUGS: CLASS 117 A/V			1	12S	12S	12S	3/4S	1440	2640			1200	12S	12S	12S	3/4S		1		REFER: CLASS 113	20	1	80
81	20	1	PLUGS: CLASS 117 GNRL		6		12S	12S	12S	3/4S	1080		2280		1200	12S	12S	12S	3/4S		1		REFER: CLASS 109	20	1	82
83	20	1	PLUGS: CLASS 117 NE		3	2	12S	12S	12S	3/4S	1260			2460	1200	12S	12S	12S	3/4S		1		REFER: CLASS 107	20	1	84
			TOTALS				16500		17598	17460															

AIC 35000 | SCCR 35000 | PARALLEL RUNS SEE ONE-LINE

FEEDER SEE ONE-LINE | AMPS/PHASE 138 147 146

BREAKER CODES
A=ARC-FAULT; G=GROUND FAULT; H=HACR; L=LOCKING HANDLE; S=SHUNT TRIP; R=RED PAINTED HANDLE
WIRE CODES
I=ADD'L ISO GROUND TO MATCH SAFETY GROUND; S=UNLESS OTHERWISE SPECIFIED
GENERAL CODES
1LIN=SEE ONE-LINE DIAGRAM; AS=AS SPECIFIED

PANEL LC | TYPE GE A SERIES | 3 Ø 4 WIRE 120/208 VOLTS | LOCATION: MAIN ELEC ROOM | MOUNTING: SURFACE

REMARKS: -ALL CIRCUITS CONSIDERED EXISTING UNLESS OTHERWISE INDICATED IN THESE DRAWINGS; -UPGRADE PANEL IN SAME LOCATION WITH LARGER CIRCUIT CAPACITY PANEL; -~=EXISTING CIRCUIT ANTICIPATED TO BE MADE SPARE BY THIS PROJECT; -*=VERIFY WITH EQUIPMENT NAMEPLATE AND/OR SUBMITTAL PRIOR TO GEAR RELEASE; -**=VERIFY WITH SNOWMELT MANUFACTURER DESIGN PRIOR TO GEAR RELEASE

X NEW | EXISTING | 1 NEMA RATING | X BOLT ON BREAKERS | ISOLATED GROUND BUS | SURFACE PROTECT (SPD)

800 AMP MAIN | X LUGS | BREAKER

No.	BRKR A	BRKR P	CIRCUIT DESCRIPTION	L	O	M	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	CIRC. LOAD	A	B	C	CIRC. LOAD	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	L	O	M	CIRCUIT DESCRIPTION	BRKR A	BRKR P	No.
1	80H*	3	RTU-14			1	3	3	8	1.25	7056	7056											SPARE	20	1	2
3	-	-	-			1	3				7056		7056										SPARE	20	1	4
5	-	-	-			1	3				7056			7056									SPARE	20	1	6
7	50H*	3	RTU-13			1	6	6	10	1.25	4392	4392											SPARE	20	1	8
9	-	-	-			1	6				4392		4392										SPARE	20	1	10
11	-	-	-			1	6				4392			4392									SPARE	20	1	12
13	50H*	3	RTU-12			1	6	6	10	1.25	4392	4392											SPARE	20	1	14
15	-	-	-			1	6				4392		4392										SPARE	20	1	16
17	-	-	-			1	6				4392			4392									SPARE	20	1	18
19	50H*	3	RTU-10			1	6	6	10	1.25	4392	4392											SPARE	20	1	20
21	-	-	-			1	6				4392		4392										SPARE	20	1	22
23	-	-	-			1	6				4392			4392									SPARE	20	1	24
25	50H*	3	RTU-8			1	6	6	10	1.25	4392	4392											SPARE	20	1	26
27	-	-	-			1	6				4392		4392										SPARE	20	1	28
29	-	-	-			1	6				4392			4392									SPARE	20	1	30
31	50H*	3	RTU-11			1	6	6	10	1.25	3996	3996											SPARE	20	1	32
33	-	-	-			1	6				3996		3996										SPARE	20	1	34
35	-	-	-			1	6				3996			3996									SPARE	20	1	36
37	45H*	3	RTU-9			1	6	6	10	1	3996	3996											SPARE	20	1	38
39	-	-	-			1	6				3996		3996										SPARE	20	1	40
41	-	-	-			1	6				3996			3996									SPARE	20	1	42
43	20	1	SPARE									0											SPARE	20	1	44
45	20	1	SPARE										0										SPARE	20	1	46
47	20	1	SPARE											0									SPARE	20	1	48
49	30G**	2	ROOF SNOWMELT: NE			1	10	10	10	3/4	2520	2520											SPARE	20	1	50
51	-	-	-			1	10				2520		2520										SPARE	20	1	52
53	30G**	2	ROOF SNOWMELT: NW			1	10	10	10	3/4	2520			2520									SPARE	20	1	54
55	-	-	-			1	10				2520	2520											SPARE	20	1	56
57	30G**	2	ROOF SNOWMELT: S			1	10	10	10	3/4	2520		2520										SPARE	20	1	58
59	-	-	-			1	10				2520			2520									SPARE	20	1	60
61	30H*	2	HTR: VEST 33 (EUH-1)			1	10	10	10	3/4	2304	2304											SPARE	20	1	62
63	-	-	-			1	10				2304		2304										SPARE	20	1	64
65	30H*	2	HTR: VEST 10 (EUH-2)			1	10	10	10	3/4	2304			2304									SPARE	20	1	66
67	-	-	-			1	10				2304	2304											SPARE	20	1	68
69	30H*	2	HTR: VEST 118 (EUH-3)			1	10	10	10	3/4	2304		2304										SPARE	20	1	70
71	-	-	-			1	10				2304			2304									SPARE	20	1	72
73	30H*	2	HTR: VEST 111 (EUH-4)			1	10	10	10	3/4	2304	2304											SPARE	20	1	74
75	-	-	-			1	10				2304		2304										SPARE	20	1	76
77	30H*	2	HTR: VEST 100 (EUH-5)			1	10	10	10	3/4	2304			2304									SPARE	20	1	78
79	-	-	-			1	10				2304	2304											SPARE	20	1	80
81	30H*	2	HTR: MECH 101 (EUH-6)			1	10	10	10	3/4	2304		2304										SPARE	20	1	82
83	-	-	-			1	10				2304			2304									SPARE	20	1	84
			TOTALS				46872		46872	46872															

AIC 42000 | SCCR 42000 | PARALLEL RUNS SEE ONE-LINE

FEEDER SEE ONE-LINE | AMPS/PHASE 391 391 391

BREAKER CODES
A=ARC-FAULT; G=GROUND FAULT; H=HACR; L=LOCKING HANDLE; S=SHUNT TRIP; R=RED PAINTED HANDLE
WIRE CODES
I=ADD'L ISO GROUND TO MATCH SAFETY GROUND; S=UNLESS OTHERWISE SPECIFIED
GENERAL CODES
1LIN=SEE ONE-LINE DIAGRAM; AS=AS SPECIFIED

PANEL MDP | TYPE GE SPECTRA SERIES | 3 Ø 4 WIRE 120/208 VOLTS | LOCATION: MAIN ELEC ROOM | MOUNTING: SURFACE

REMARKS: -ALL CIRCUITS CONSIDERED EXISTING UNLESS OTHERWISE INDICATED IN THESE DRAWINGS; -*=VERIFY WITH EQUIPMENT NAMEPLATE AND/OR SUBMITTAL PRIOR TO GEAR RELEASE; -+=PROVIDE NEW BREAKER IN EXISTING PANEL

NEW | X EXISTING | 1 NEMA RATING | BOLT ON BREAKERS | ISOLATED GROUND BUS | SURFACE PROTECT (SPD)

1LIN AMP MAIN | 1LIN LUGS | 1LIN BREAKER

No.	BRKR A	BRKR P	CIRCUIT DESCRIPTION	L	O	M	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	CIRC. LOAD	A	B	C	CIRC. LOAD	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	L	O	M	CIRCUIT DESCRIPTION	BRKR A	BRKR P	No.
1	225	3	SPACE									0											SPACE	225	3	2
3	-	-	-										0										-	-	-	4
5	-	-	-											0									-	-	-	6
7	225	3	SPACE									0											SPACE	225	3	8
9	-	-	-										0										-	-	-	10
11	-	-	-											0									-	-	-	12
13	+1LIN*	3	RTU-7			1	1LIN	1LIN	1LIN	1LIN	4596	4596											SPACE	225	3	14
15	-	-	-			1	1LIN				4596		4596										-	-	-	16
17	-	-	-			1	1LIN				4596			4596									-	-	-	18
19	50	3	RTU-1				EX	EX	EX	EX		0											RTU-2	50	3	20
21	-	-	-				EX						0										-	-	-	22
23	-	-	-				EX							0									-	-	-	24
25	50	3	RTU-3				EX	EX	EX	EX		0											RTU-4	50	3	26
27	-	-	-				EX						0										-	-	-	28
29	-	-	-				EX							0									-	-	-	30
31	50	3	RTU-5				EX	EX	EX	EX		0											RTU-6	50	3	32
33	-	-	-				EX						0										-	-	-	34
35	-	-	-				EX							0									-	-	-	36
37	+1LIN	1	PANEL LA				1LIN	1LIN	1LIN	1LIN	20995	35875											PANEL LB	+1LIN	3	38
39	-	-	-				1LIN				19516		34774										-	-	-	40
41	-	-	-				1LIN				17942			32162	14220	1LIN							-	-	-	42
			TOTALS								40471		39370	36758												
			EXISTING DEMAND								17667		17667	17667												
			AMPS/PHASE								484		475	454												

AIC EX 33K | SCCR EX 33K | PARALLEL RUNS EXISTING

FEEDER SEE ONE-LINE

BREAKER CODES
A=ARC-FAULT; G=GROUND FAULT; H=HACR; L=LOCKING HANDLE; S=SHUNT TRIP; R=RED PAINTED HANDLE
WIRE CODES
I=ADD'L ISO GROUND TO MATCH SAFETY GROUND; S=UNLESS OTHERWISE SPECIFIED
GENERAL CODES
1LIN=SEE ONE-LINE DIAGRAM; AS=AS SPECIFIED

PANEL LA | TYPE GE A SERIES | 3 Ø 4 WIRE 120/208 VOLTS | LOCATION: MAIN ELEC ROOM | MOUNTING: SURFACE

REMARKS: -ALL CIRCUITS CONSIDERED EXISTING UNLESS OTHERWISE INDICATED IN THESE DRAWINGS; -UPGRADE PANEL IN SAME LOCATION WITH LARGER CIRCUIT CAPACITY PANEL; -~=EXISTING CIRCUIT ANTICIPATED TO BE MADE SPARE BY THIS PROJECT; -*=VERIFY WITH EQUIPMENT NAMEPLATE AND/OR SUBMITTAL PRIOR TO GEAR RELEASE

NEW | X EXISTING | 1 NEMA RATING | BOLT ON BREAKERS | ISOLATED GROUND BUS | SURFACE PROTECT (SPD)

250 AMP MAIN | X LUGS | BREAKER

No.	BRKR A	BRKR P	CIRCUIT DESCRIPTION	L	O	M	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	CIRC. LOAD	A	B	C	CIRC. LOAD	WIRE/CND P	WIRE/CND N	WIRE/CND G	WIRE/CND C	L	O	M	CIRCUIT DESCRIPTION	BRKR A	BRKR P	No.
1	20	1	LTG: EXTERIOR				EX	EX	EX	EX		0				12S	12S	12S	3/4S				SPARE~	20~	2	2
3	20	1	COMMONS 117				EX	EX	EX	EX			0			12S							-	-	-	4
5	20	1	CORRIDOR 2,6,9				EX	EX	EX	EX				0		EX	EX	EX	EX				EXTERIOR LTG CNTRL	20	1	6
7	20	1	LTG: 21				EX	EX	EX	EX		0				12S	12S	12S	3/4S				AQUA PUMP	20	1	8
9	20	1	LTG: 20,20A,20B,13,14,15,16				EX	EX	EX	EX			500		500	12S	12S	12S	3/4S		1		BB HTR: SPEECH 028	20~	2	10
11	20	1	LTG: 3,4,5,7,8,9B,12				EX	EX	EX	EX				500	500	12S					1		-	-	-	12
13	20	1	LTG: 23,26				EX	EX	EX	EX		0				EX	EX	EX	EX				BASEBOARD HTRS	20	2	14
15	20	1	LTG: 25,27,28				EX	EX	EX	EX			0			EX							-	-	-	16
17	20	1	LTG: 11				EX	EX	EX	EX				0		EX	EX	EX	EX				PLUGMOLD RM 1	20	1	18
19	20	1	LTG: 9A,11A				EX	EX	EX	EX		0				12S	12S	12S	3/4S				SPARE?	20	1	20
21	20	1	LTG: 9				EX	EX	EX	EX			0			EX	EX	EX	EX				EX FAN	20	1	22
23	20	1	LTG: FLAG				EX	EX	EX	EX				0		12S	12S	12S	3/4S				SPARE?	20	1	24
25	20~	1	LTG: W CLASSRMS				12S	12S	12S	3/4S	1465	1465				12S	12S	12S	3/4S				SPARE?	20	1	26
27	20~	1	LTG: W CNTR CLASSRMS				12S	12S	12S	3/4S	1514		1514			12S	12S	12S	3/4S				SPARE?	20	1	28
29	20~	1	LTG: W CORRIDORS				12S	12S	12S	3/4S	790			790		12S	12S	12S	3/4S				SPARE?	20	1	30
31	20~	1	LTG: MULTI-PURPOSE				12S	12S	12S	3/4S	1465	1465				12S	12S	12S	3/4S				SPARE?	20	1	32
33	20~	1	PLUGS: CLASS 032 S		6		12S	12S	12S	3/4S	1080		1080			12S	12S	12S	3/4S				SPARE?	20	1	34
35	20~	1	PLUGS: CLASS 032 N		3	2	12S	12S	12S	3/4S	1260			1260		12S	12S	12S	3/4S				SPARE?	20	1	36
37	20~	1	PLUGS: CLASS 032 A/V			1	12S	12S	12S	3/4S	1440	1440											SPARE	20	1	38
39	20	1	PLUGS: SPEECH 037		3		12S	12S	12S	3/4S	540		540										SPARE	20	1	40
41	20	1	PLUGS: SPEECH 036		3		12S	12S	12S	3/4S	540			540									SPARE	20	1	42
43	20	1	PLUGS: SPEECH TEST 035		4		12S	12S	12S	3/4S	720	3024			2304	10	10	10	3/4		1		HTR: VEST 33 (EUH-2)	30H*	2	44
45	20	1	PLUGS: OFF 029		4		12S	12S	12S	3/4S	720		3024		2304	10					1		-	-	-	46
47	20	1	PLUGS: SPEECH 028		3		12S	12S	12S	3/4S	540			2844	2304	10	10	10	3/4		1		HTR: VEST 10 (EUH-1)	30H*	2	48
49	20	1	PLUGS: SPEECH 030		3		12S	12S	12S	3/4S	540	2844			2304	10					1		-	-	-	50
51	20	1	PLUGS: BREAK, WORK		6		12S	12S	12S	3/4S	1080		2330		1250	12S	12S	12S	3/4S		1		BB HTR: CONF W	20*	2	52
53	20	1	PLUGS: CONF 024 A/V			2	12S	12S	12S	3/4S	720			1970	1250	12S					1		-	-	-	54
55	20	1	PLUGS: CONF 024		3		12S	12S	12S	3/4S	540	1790			1250	12S	12S	12S	3/4S		1		BB HTR: CONF E	20*	2	56
57	20	1	PLUGS: N ENTRY		4		12S	12S	12S	3/4S	720		1970		1250	12S					1		-	-	-	58
59	20	1	PLUGS: ADDITION CORR		7		12S	12S	12S	3/4S	1260			1260									SPARE	20	1	60
61	20	1	PLUG: RR 103		1		12S	12S	12S	3/4S	180	180											SPARE	20	1	62
63	20	1	PLUG: RR 102		1		12S	12S	12S	3/4S	180		180										SPARE	20	1	64
65	20	1	PLUGS: EXTERIOR		7		10	10	10	3/4S	1260			1260									SPARE	20	1	66
67	20	1	PLUGS: ROOF		7		10	10	10	3/4S	1260	1260											SPARE	20	1	68
69	20	1	SPARE										0										SPARE	20	1	70
71	20	1	SPARE											1752	1752	12S	12S	12S	3/4S		2		DOOR OPENER: MAIN	20	1	72
73	20	1	SPARE									1200			1200	12S	12S	12S	3/4S		5		DOOR ACCESS	20	1	74
75	20	1	SPARE										1200		1200	12S	12S	12S	3/4S		1		DRINK FTN	20	1	76
77	20	1	SPARE											1200	1200	12S	12S	12S	3/4S		1		REFER: CLASS 016	20	1	78
79	20	1	SPARE									1200			1200	12S	12S	12S	3/4S		1		REFER: CLASS 015	20	1	80
81	20	1	SPARE										1200		1200	12S	12S	12S	3/4S		1		REFER: CLASS 032	20	1	82
83	20	1	SPARE											1200	1200	12S	12S	12S	3/4S		1		REFER: CLASS 034	20	1	84
			TOTALS								15868		13538	14576												

AIC 35000 | SCCR 35000 | PARALLEL RUNS SEE ONE-LINE

FEEDER SEE ONE-LINE | AMPS/PHASE 132 113 121

BREAKER CODES
A=ARC-FAULT; G=GROUND FAULT; H=HACR; L=LOCKING HANDLE; S=SHUNT TRIP; R=RED PAINTED HANDLE
WIRE CODES
I=ADD'L ISO GROUND TO MATCH SAFETY GROUND; S=UNLESS OTHERWISE SPECIFIED
GENERAL CODES
1LIN=SEE ONE-LINE DIAGRAM; AS=AS SPECIFIED

DESIGN WEST
LOG

MECHANICAL EQUIPMENT SCHEDULE

SYM	DESCRIPTION	LOAD	VOLTS	PHASE	FIRE ALARM SHUTDOWN	CONTROL CIRCUITS BY	* STARTER BY	SAFETY DISCONNECT BY	REMARKS
BB- 1	BASEBOARD HEATER	2.5 KW	208	1	NO	MECH	MECH	MECH	
BB- 2	BASEBOARD HEATER	2.5 KW	208	1	NO	MECH	MECH	MECH	
BB- 3	BASEBOARD HEATER	1 KW	208	1	NO	MECH	MECH	MECH	
EF- 1	EXHAUST FAN	1/15 HP	120	1	NO	ELEC	MECH	MECH	INTERLOCK TO BE CONTROLLED WITH LIGHTING IN SPACE SERVED BY FAN; PROVIDE 120V INTERLOCK BETWEEN FAN AND MOTORIZED BACKDRAFT DAMPER PER MANUFACTURER REQUIREMENTS
EF- 2	EXHAUST FAN	1/15 HP	120	1	NO	ELEC	MECH	MECH	INTERLOCK TO BE CONTROLLED WITH LIGHTING IN SPACE SERVED BY FAN; PROVIDE 120V INTERLOCK BETWEEN FAN AND MOTORIZED BACKDRAFT DAMPER PER MANUFACTURER REQUIREMENTS
EF- 3	EXHAUST FAN	1/15 HP	120	1	NO	ELEC	MECH	MECH	INTERLOCK TO BE CONTROLLED WITH LIGHTING IN SPACE SERVED BY FAN; PROVIDE 120V INTERLOCK BETWEEN FAN AND MOTORIZED BACKDRAFT DAMPER PER MANUFACTURER REQUIREMENTS
EF- 4	EXHAUST FAN	1/15 HP	120	1	NO	ELEC	MECH	MECH	INTERLOCK TO BE CONTROLLED WITH LIGHTING IN SPACE SERVED BY FAN; PROVIDE 120V INTERLOCK BETWEEN FAN AND MOTORIZED BACKDRAFT DAMPER PER MANUFACTURER REQUIREMENTS
EUH- 1	ELECTRIC UNIT HEATER	19.2 FLA	208	1	NO	MECH	ELEC	ELEC	
EUH- 2	ELECTRIC UNIT HEATER	19.2 FLA	208	1	NO	MECH	ELEC	ELEC	
EUH- 3	ELECTRIC UNIT HEATER	19.2 FLA	208	1	NO	MECH	ELEC	ELEC	
EUH- 4	ELECTRIC UNIT HEATER	19.2 FLA	208	1	NO	MECH	ELEC	ELEC	
EUH- 5	ELECTRIC UNIT HEATER	19.2 FLA	208	1	NO	MECH	ELEC	ELEC	
EUH- 6	ELECTRIC UNIT HEATER	19.2 FLA	208	1	NO	MECH	ELEC	ELEC	
RCP- 1	DOMESTIC CIRC PUMP	1/25 HP	120	1	NO	MECH	MECH	ELEC	
RTU- 7	ROOF-TOP UNIT	32.1 MCA 45 MOCP	208	3	NO	MECH	MECH	MECH	PROVIDE SEPARATE 120V CONNECTION TO OUTLET FURNISHED WITH UNIT
RTU- 8	ROOF-TOP UNIT	36.6 MCA 50 MOCP	208	3	NO	MECH	MECH	MECH	PROVIDE SEPARATE 120V CONNECTION TO OUTLET FURNISHED WITH UNIT
RTU- 9	ROOF-TOP UNIT	33.3 MCA 45 MOCP	208	3	NO	MECH	MECH	MECH	PROVIDE SEPARATE 120V CONNECTION TO OUTLET FURNISHED WITH UNIT
RTU- 10	ROOF-TOP UNIT	36.6 MCA 50 MOCP	208	3	NO	MECH	MECH	MECH	PROVIDE SEPARATE 120V CONNECTION TO OUTLET FURNISHED WITH UNIT
RTU- 11	ROOF-TOP UNIT	33.3 MCA 45 MOCP	208	3	NO	MECH	MECH	MECH	PROVIDE SEPARATE 120V CONNECTION TO OUTLET FURNISHED WITH UNIT
RTU- 12	ROOF-TOP UNIT	36.6 MCA 50 MOCP	208	3	NO	MECH	MECH	MECH	PROVIDE SEPARATE 120V CONNECTION TO OUTLET FURNISHED WITH UNIT
RTU- 13	ROOF-TOP UNIT	36.6 MCA 50 MOCP	208	3	NO	MECH	MECH	MECH	PROVIDE SEPARATE 120V CONNECTION TO OUTLET FURNISHED WITH UNIT
RTU- 14	ROOF-TOP UNIT	48.8 MCA 80 MOCP	208	3	YES	MECH	MECH	MECH	PROVIDE SEPARATE 120V CONNECTION TO OUTLET FURNISHED WITH UNIT; PROVIDE DUCT DETCTION AND INTERLOCK FOR SHUTDOWN ON FIRE ALARM
WH- 1	WATER HEATER	5 FLA	120	1	NO	MECH	N/A	ELEC	PROVIDE CORD AND PLUG TO MATCH EQUIPMENT NAMEPLATE RATING
WS- 1	WATER SOFTENER	2 FLA	120	1	NO	MECH	N/A	ELEC	PROVIDE CORD AND PLUG TO MATCH EQUIPMENT NAMEPLATE RATING
MECHANICAL EQUIPMENT SCHEDULE--DEMOLITION									
BB- 1D	BASEBOARD HEATER: DEMO	2.5 KW	208	1					REMOVE ASSOCIATED LINE VOLTAGE THERMOSTAT AND CONTROL WIRING
BB- 2D	BASEBOARD HEATER: DEMO	2.5 KW	208	1					REMOVE ASSOCIATED LINE VOLTAGE THERMOSTAT AND CONTROL WIRING
BB- 3D	BASEBOARD HEATER: DEMO	2 KW	208	1					REMOVE ASSOCIATED LINE VOLTAGE THERMOSTAT AND CONTROL WIRING

* ELECTRICAL CONTRACTOR VERIFY SINGLE SPEED OR TWO SPEED STARTERS WITH MECHANICAL DRAWINGS.

FLOOR, TABLE, AND WALL BOX SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	COLOR	DEVICES
F2S	MULTI-SERVICE, X-LARGE CAPACITY FLOOR BOX; STEEL; FLUSH-IN-USE; CUTOUT COVER; COLOR PER OWNER/ARCHITECT	WIREMOLD OR EQUIVALENT WITH PRIOR APPROVAL	EFB100G/EFB6108TXX	PER ARCHITECT	-TWO DUPLEX -1 @ 1.25" COMM CONDUIT -A/V PLATES/CONNECTORS PER OWNER -A/V CONDUIT AS NOTED ON DRAWINGS
W2S	MULTI-SERVICE, X-LARGE CAPACITY WALL BOX; STEEL; FLUSH-IN-USE; RECESS MOUNT IN WALL; COVER FIELD PAINTED CUSTOM COLOR AS SELECTED BY OWNER/ARCHITECT	WIREMOLD OR EQUIVALENT WITH PRIOR APPROVAL	EFSB4	PER ARCHITECT	-TWO DUPLEX -1 @ 1.25" COMM CONDUIT WITH COMM/TV PORTS PER OWNER -A/V CONNECTORS PER OWNER -A/V CONDUIT AS NOTED ON PLAN

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

ELECTRICAL SCHEDULES

EP-603

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

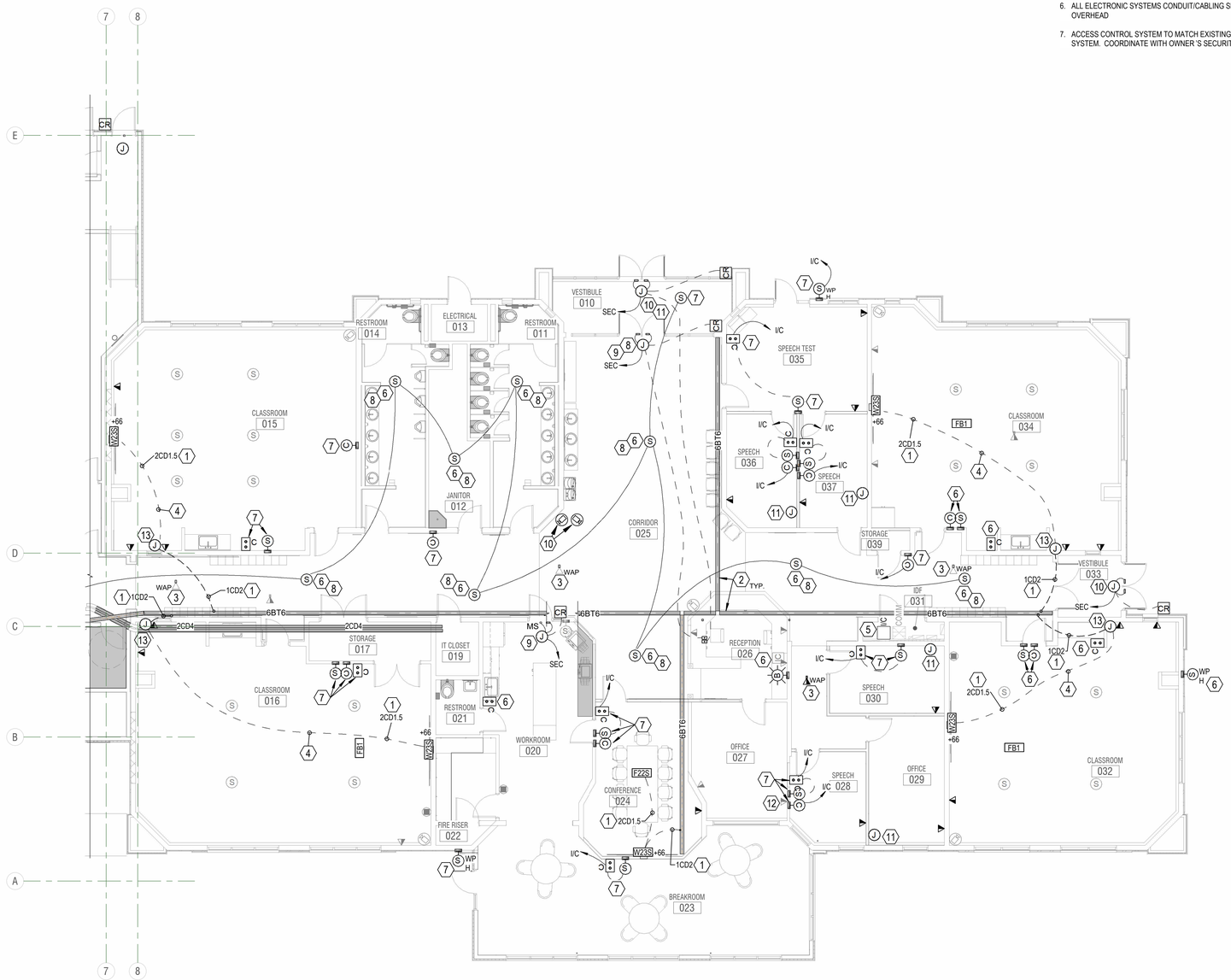
5/29/2025 11:23:14 AM Autodesk Docs://125054 LCSD ECC Preschool Addition/LCSD ECC Pre-School Addition_V21.rvt

GENERAL NOTES

1. SEE SYMBOL SCHEDULE AND COMMUNICATIONS RACEWAY SCHEDULE FOR ADDITIONAL INFORMATION.
2. REMOVE EXISTING INTERCOM/ MASTER CLOCK SYSTEM AND UPGRADE TO DISTRICT STANDARD RAULAND TCU SYSTEM. UPGRADE ALL EXISTING DEVICES AND ASSOCIATED CABLING TO BE COMPATIBLE WITH NEW SYSTEM AND COMPLIANT WITH THIS PROJECT'S SPECIFICATIONS.
3. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
4. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.
5. ROUTE ALL NEW COMMUNICATIONS CABLING IN REMODEL AREA TO EXISTING COMMUNICATIONS RACK IN IDF 031.
6. ALL ELECTRONIC SYSTEMS CONDUIT/CABLING SHALL BE ROUTED OVERHEAD
7. ACCESS CONTROL SYSTEM TO MATCH EXISTING DISTRICT STANDARD SYSTEM. COORDINATE WITH OWNER 'S SECURITY SYSTEM VENDOR.

KEYED NOTES

1. PROVIDE EMPTY CONDUIT BETWEEN BOXES OR BETWEEN BOX AND RACEWAY INDICATED FOR OWNER A/V CABLING.
2. PROPOSED ROUTING OF STRUCTURAL CABLING RACEWAYS.
3. PROVIDE CEILING MOUNTED WIRELESS ACCESS POINT. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.
4. PROVIDE HDMI CABLE/ CONNECTION BETWEEN BOXES INDICATED.
5. UPGRADE INTERCOM/ MASTER CLOCK SYSTEM AS NOTED/ SPECIFIED.
6. UPGRADE INTERCOM/MASTER CLOCK DEVICE IN SAME LOCATION. PROVIDE NEW CABLING WHERE REQUIRED BY NEW SYSTEM.
7. PROVIDE NEW INTERCOM/MASTER CLOCK DEVICE AS INDICATED. PROVIDE CABLING PER MANUFACTURER REQUIREMENTS.
8. RE-CIRCUIT EXISTING/UPGRADED DEVICES AS INDICATED.
9. PROVIDE ACCESS DOOR ROUGH-IN. SEE DETAIL 3/EP-501.
10. PROVIDE ACCESS DOOR ROUGH-IN. SEE DETAIL 4/EP-501.
11. INTERLOCK ACCESS CONTROL WITH DOOR OPENER TO RELEASE DOOR ON SUCCESSFUL READ.
12. PROVIDE ROUGH-IN AS SPECIFIED FOR FUTURE COMMUNICATIONS OUTLET.
13. PROVIDE A/V BOX AS SPECIFIED.



A1 ELECTRONIC SYSTEMS PLAN: MAIN LEVEL

1/8" = 1'-0"

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #:	125054
DRAWN BY:	D.PATTON
CHECKED BY:	S.SWENSON
ISSUED:	05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

CONSTRUCTION DOCUMENTS

ELECTRONIC SYSTEMS PLAN - REMODEL

ET-401

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

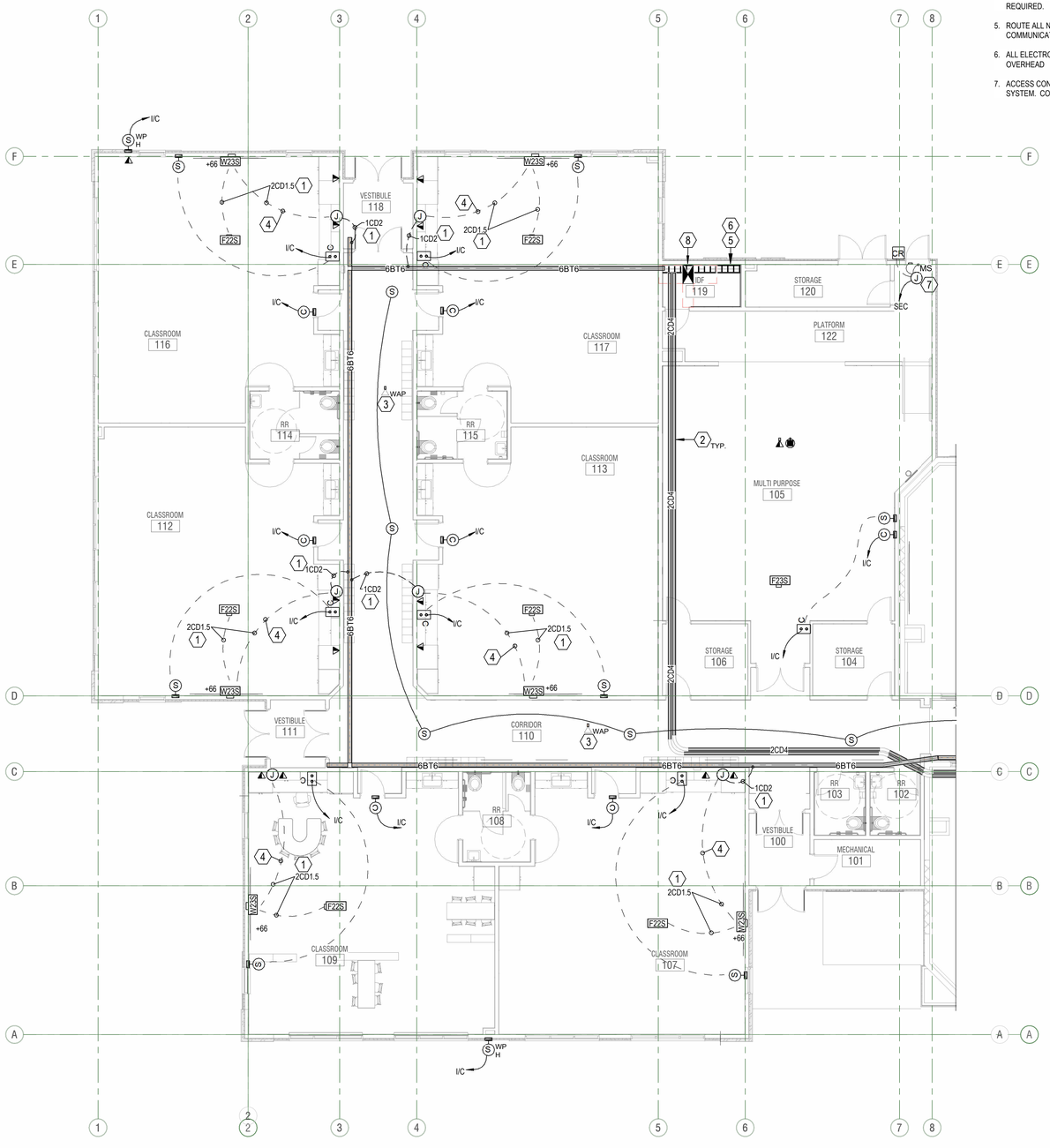
5/23/2025 11:23:27 AM Autodesk Docs://125054_LCSD ECC Preschool Addition/_LCSD ECC Pre-School Addition_125X.rvt

GENERAL NOTES

1. SEE SYMBOL SCHEDULE AND COMMUNICATIONS RACEWAY SCHEDULE FOR ADDITIONAL INFORMATION.
2. REMOVE EXISTING INTERCOM/ MASTER CLOCK SYSTEM AND UPGRADE TO DISTRICT STANDARD RAULAND TCU SYSTEM. UPGRADE ALL EXISTING DEVICES AND ASSOCIATED CABLING TO BE COMPATIBLE WITH NEW SYSTEM AND COMPLIANT WITH THIS PROJECT'S SPECIFICATIONS.
3. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
4. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.
5. ROUTE ALL NEW COMMUNICATIONS CABLING IN ADDITION AREA TO NEW COMMUNICATIONS RACK IN IDF 119.
6. ALL ELECTRONIC SYSTEMS CONDUIT/CABLING SHALL BE ROUTED OVERHEAD
7. ACCESS CONTROL SYSTEM TO MATCH EXISTING DISTRICT STANDARD SYSTEM. COORDINATE WITH OWNER 'S SECURITY SYSTEM VENDOR.

KEYED NOTES

1. PROVIDE EMPTY CONDUIT BETWEEN BOXES OR BETWEEN BOX AND RACEWAY INDICATED FOR OWNER A/V CABLING.
2. PROPOSED ROUTING OF STRUCTURAL CABLING RACEWAYS.
3. PROVIDE CEILING MOUNTED WIRELESS ACCESS POINT. VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.
4. PROVIDE HDMI CABLE/ CONNECTION BETWEEN BOXES INDICATED.
5. PROVIDE PLYWOOD BACKBOARD ON ALL WALLS OF COMM ROOM AS INDICATED. FIELD PAINT TO MATCH ADJACENT WALL SURFACE.
6. VERIFY ROOM LAYOUT WITH OWNERS I.T. REP PRIOR TO ROUGH-IN.
7. PROVIDE ACCESS DOOR ROUGH-IN. SEE DETAIL 3/EP-501.
8. PROVIDE NEW COMMUNICATIONS RACK.



A1

1/8" = 1'-0"

ELECTRONIC SYSTEMS PLAN: MAIN LEVEL - ADDITION

DESIGN WEST

LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 294174
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

CONSTRUCTION DOCUMENTS

ELECTRONIC SYSTEMS PLAN - ADDITION

ET-402

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:27:39 AM Autodesk Docs://125054-LCSD EEC Preschool Addition/4-LCSD EEC Pre-School Addition_CEN.rvt

COMMUNICATIONS RACEWAY SCHEDULE

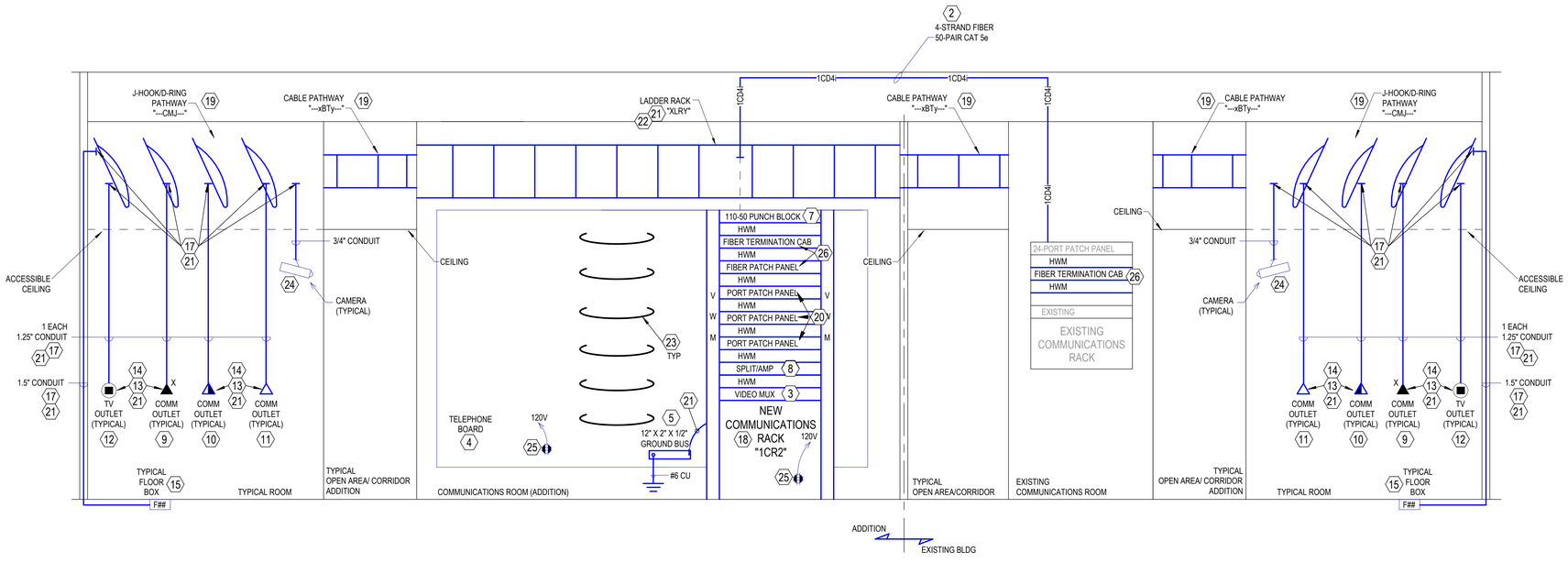
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	ACCESSORIES
xCDy	CONDUIT; QUANTITY "X", DIAMETER "Y" AS INDICATED ON SYMBOL SCHEDULE	AS SPECIFIED		INSULATED THROAT CONNECTORS ON ALL ENDS; PULL STRING
xCD4i	CONDUIT; QUANTITY "X", DIAMETER "Y" AS INDICATED ON SYMBOL SCHEDULE; (4) 1" INNERDUCT	AS SPECIFIED		INSULATED THROAT CONNECTORS ON ALL ENDS; PULL STRING
CMJ	CABLE HOOKS; 4"; RETAINING CLIP QUANTITY AS REQUIRED FOR CURRENT CABLING PLUS 50% SPARE CAPACITY	COOPER B-LINE	BCH64 SERIES (OR EQUIVALENT)	RETAINER (BCHR64) OTHER ACCESSORIES AS REQUIRED
xBTy	X"W X Y"D STEEL, WIRE MESH TRAY MAXIMUM 6' SUPPORT SPACING (MIN 83 LBS/FT LOAD CAPACITY)	COOPER	FT(X)X(Y)-EG SERIES (OR EQUIVALENT)	ACCESSORIES AS REQUIRED
xLRy	X"W X Y"D ALUMINUM; LADDER STYLE; CABLE TRAY; 6" RUNG SPACING; 200 LBS/FT LOAD CAPACITY	COOPER B-LINE	H47-A-XX-YY-** SERIES (OR EQUIVALENT)	ACCESSORIES AS REQUIRED
COMM OUTLET BOX	5" SQUARE X 2 7/8" DEEP 3/4" MUD RING (1 OR 2-GANG AS NOTED)	STEEL CITY STEEL CITY	82181T-1 SERIES 82C-*G-3/4 (OR EQUIVALENT)	
AV BOX	6" SQUARE X 3 1/2" DEEP 3/4" MUD RING (3-GANG AS NOTED)	GARVIN GARVIN	6350-1-1/2 6AMR-3 (OR EQUIVALENT)	

GENERAL NOTES

1. ALL INSTALLATIONS TO COMPLY WITH TIA/EIA STANDARD 586B FOR CAT 6A CABLE.
2. ALL STATION OUTLETS AND ASSOCIATED CABLING AND DATA RACKS, RACEWAYS, PUNCH BLOCKS, PATCH PANELS AND CROSS CONNECTS PROVIDED BY CONTRACTOR. ELECTRONICS BY OWNERS.
3. PROVIDE OWNER STANDARD OUTLET PLATES AT EACH OUTLET WITH PROVISIONS FOR FOUR JACKS IN EACH OUTLET. FILL UNUSED SPACES WITH BLANK INSERT.
4. FOLLOW OWNER'S IDENTIFICATION STANDARDS FOR ALL NEW INSTALLATIONS. COORDINATE WITH OWNER'S VOICE AND DATA PERSONNEL.
5. PROVIDE ONE PATCH CORD FOR EACH NEW CABLE/PORT INSTALLED. FIELD VERIFY LENGTHS, BUT ASSUME EQUAL QUANTITIES OF 2', 4', AND 10' CABLES FOR BID.
6. CONTRACTOR SHALL TEST ALL COPPER RUNS TO VERIFY dB LOSSES AND SHALL PROVIDE TEST RESULTS TO OWNER AND ENGINEER.
7. PROVIDE WIDE-SWEEP BENDS FOR ALL CONDUITS.
8. PROVIDE CONNECTORS WITH INSULATED THROATS OR PLASTIC BUSHINGS ON ALL CONDUIT ENDS.
9. ALL CABLING SHALL BE PLENUM RATED.

KEYED NOTES

1. NOT USED.
2. PROVIDE CONNECTIONS TO EXISTING BUILDING.
3. COORDINATE OWNERS RECEIVER ELECTRONICS WITH OWNER'S SATELLITE SYSTEM PROVIDER.
4. PROVIDE 3/4" PLYWOOD BACKBOARD (4'x8' MINIMUM) ON WALLS OF NEW COMMUNICATIONS ROOM. SEE ET401 FOR LOCATION. FIELD PAINT TO MATCH ADJACENT WALL SURFACES.
5. PROVIDE PRE-DRILLED, CU GROUNDING BAR WITH STANDOFFS MOUNTED AT 12" AFF IN COMMUNICATIONS CLOSET. PROVIDE #6 CU GROUND TO GROUNDING ELECTRODE SYSTEM. PROVIDE #6 BONDING CONDUCTORS TO ALL EQUIPMENT RACKS, CABLE-TRAYS, RACEWAYS, AND OTHER ASSOCIATED COMMUNICATIONS AND AUXILIARY SYSTEMS EQUIPMENT AS NECESSARY.
6. NOT USED.
7. PROVIDE RACK MOUNT PUNCH BLOCK.
8. PROVIDE RACK-MOUNT TV DISTRIBUTION AND AMPLIFIER.
9. PROVIDE (3)DATA JACKS WITH (1)CAT 6A CABLE PER JACK FROM DATA RACK TO EACH COMPLETELY FILLED TRIANGLE OUTLET SHOWN ON FLOOR PLANS. WHERE OUTLETS HAVE A NUMERICAL SUPERSCRIPT, PROVIDE "X" QUANTITY OF JACKS AND CABLES WHERE "X" IS THE ASSOCIATED SUPERSCRIPT NUMBER.
10. PROVIDE (2)DATA JACKS WITH (1)CAT 6A CABLE PER JACK FROM DATA RACK TO EACH HALF-FILLED TRIANGLE OUTLET SHOWN ON FLOOR PLANS.
11. PROVIDE (1)DATA JACK WITH (1)CAT 6A CABLE FROM DATA RACK TO EACH EMPTY TRIANGLE OUTLET SHOWN ON FLOOR PLANS.
12. PROVIDE (2)F-CONNECTORS WITH (2)RG-6 COAX CABLES FROM TV DISTRIBUTION TO EACH TV OUTLET SHOWN ON PLAN.
13. PROVIDE OUTLET BOX AS SCHEDULED FOR OUTLETS. SEE ET SERIES SHEETS, FOR LOCATIONS AND COUNTS. TV OUTLETS SHOWN ADJACENT TO COMM OUTLETS ON FLOOR PLAN MAY BE COMBINED INTO THE SAME BOX/RACEWAY/FACEPLATE.
14. PROVIDE 4-PORT MODULAR FACEPLATE FOR EACH COMMUNICATIONS OR TV OUTLET SHOWN. PROVIDE (1)CAT 6A, RJ-45 JACK FOR EACH VOICE OR DATA CABLE TERMINATED IN OUTLET OR (1)ANGLED F-CONNECTOR FOR EACH COAX CABLE. PROVIDE BLANK INSERTS FOR UNUSED PLATE OPENINGS. PROVIDE ADDITIONAL GANGS WHERE MORE THAN 4 DEVICES ARE REQUIRED.
15. PROVIDE CONNECTIONS FROM FLOOR VOICE/DATA OUTLETS (AS NOTED IN FLOOR BOX SCHEDULE AND SIMILAR NOTE ABOVE.) TO DATA RACK.
16. NOT USED.
17. PROVIDE CONDUIT STUB FROM OUTLETS TO NEAREST COMMUNICATIONS PATHWAY. PROVIDE INSULATED THROAT CONNECTORS ON ALL CONDUITS.
18. PROVIDE 84"x19" TWO-POST DATA RACK WITH WIRING HOLDER FRAME.
19. PROVIDE COMMUNICATIONS RACEWAYS ALONG PATHS SHOWN. SEE ET SERIES SHEETS FOR ADDITIONAL INFORMATION.
20. PROVIDE CAT 6 PATCH PANELS AS INDICATED WITH QUANTITY OF PORTS TO TERMINATE EACH VOICE AND DATA CABLE PLUS 100% SPARE CAPACITY. ALLOW ONE CABLE PER STATION PORT.
21. PROVIDE ELECTRICALLY BONDED RACEWAY SYSTEM - BOND COMM DEVICE CONDUITS TO COMM RACK, GROUND BUS, ETC. WHERE OUTLETS STUB TO ACCESSIBLE CEILING, BOND DEVICE BOX/CONDUIT TO ADJACENT ELECTRICAL OUTLET.
22. PROVIDE LADDER RACK FOR CABLE MANAGEMENT IN IT ROOM SEE ET SERIES SHEETS FOR ROUTING.
23. PROVIDE WIRE MANAGEMENT HOOKS 12" ON CENTER UP PHONE BOARD.
24. PROVIDE OUTLETBOX AND CAT 6 CABLE TO OWNER STANDARD CCTV CAMERAS. SEE ET4XX SERIES SHEETS FOR LOCATIONS AND COUNTS.
25. PROVIDE POWER TO RACKS AND PHONE BOARD. SEE EP SERIES SHEETS FOR ADDITIONAL INFORMATION.
26. PROVIDE FIBER TERMINATION AND DISTRIBUTION IN NEW RACK AND EXISTING COMM RACK AS REQUIRED.



1 COMMUNICATIONS RISER DIAGRAM

1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

DESIGN WEST

LOGAN, UTAH
(435) 752-7031

SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

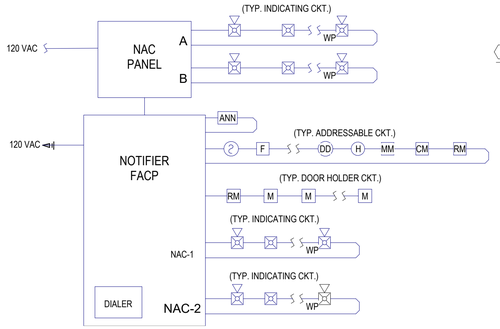
REGISTERED PROFESSIONAL ENGINEER No. 294174 SHANE D. SWENSON 5/29/2025 STATE OF UTAH

COMMUNICATIONS RISER DIAGRAM

ET-501

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:23:42 AM Autodesk Docs://125054 LCSD ECC Preschool Addition/LCSD ECC Pre-School Addition_V24.rvt

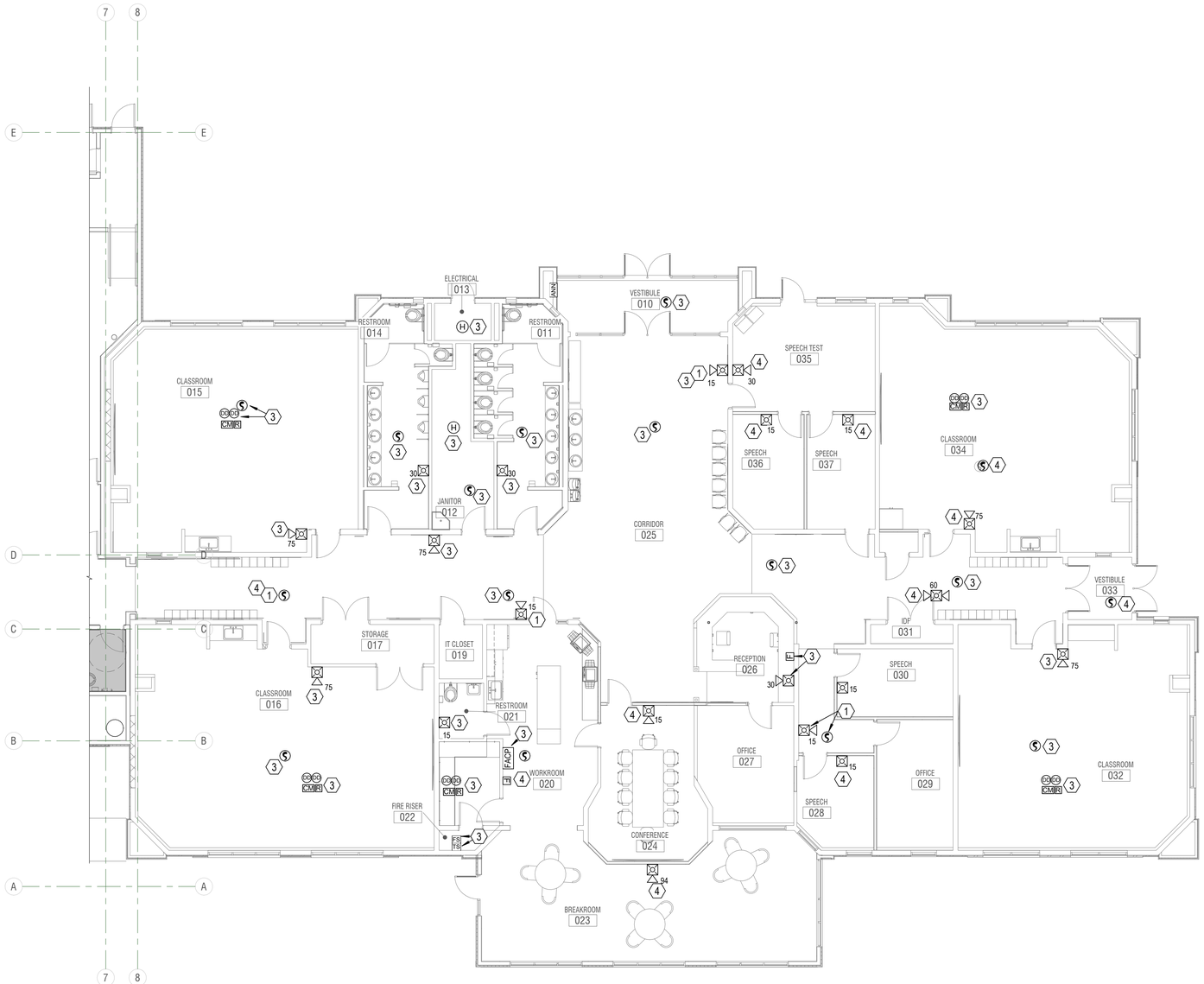


DETAIL NOTES

1. ALL FIRE ALARM CIRCUITS TO BE CONDUCTORS IN CONDUIT OR MC CABLE AND MARKED RED AS SPECIFIED.
2. VERIFY ALL CABLE SIZES WITH FIRE ALARM VENDOR PRIOR TO BID AND ADJUST PER MANUFACTURER'S REQUIREMENTS. CABLE SIZES SHOWN ARE MINIMUM REQUIREMENTS.
3. COORDINATE NAC PANEL LOCATIONS AND CIRCUITING WITH FIRE ALARM VENDER PRIOR TO BID.
4. UPGRADE EXISTING FIRE ALARM SYSTEM TO BE DISTRICT STANDARD SIMPLEX SYSTEM AS SPECIFIED.

2 FIRE ALARM RISER DETAIL

1/8" = 1'-0"



A1 FIRE ALARM PLAN: MAIN LEVEL

1/8" = 1'-0"

NORTH

KEYED NOTES

1. DEVICE INDICATED TO BE INSTALLED WITHIN 15'-0" OF END OF CORRIDOR PER NFPA 72.
2. PROVIDE DUCT DETECTORS WITH REMOTE INDICATING LAMP AND FIRE ALARM SHUTDOWN FOR HVAC UNITS.
3. UPGRADE EXISTING DEVICE AND ASSOCIATED WIRING FROM ZONED LOOP TO INTELLIGENT/ADDRESSABLE AS SPECIFIED.
4. PROVIDE NEW FIRE ALARM DEVICE(S) AS SPECIFIED.

GENERAL NOTES

1. CANDELA RATINGS FOR STROBE DEVICES ARE MINIMUM REQUIRED VALUES. FIRE ALARM CONTRACTOR SHALL ADJUST MANUFACTURER'S STANDARD CANDELA RATINGS AS NECESSARY TO MEET OR EXCEED MINIMUM REQUIREMENTS.
2. FIRE ALARM ANNUNCIATION DEVICE LOCATIONS ARE BASED ON CODE REQUIRED LAYOUTS. COORDINATE WITH ENGINEER PRIOR TO RELOCATING ANY DEVICES. ALTERNATE LOCATIONS AFFECT DEVICE CANDELA RATINGS.
3. ALL FIRE ALARM CONDUITS AND BOXES TO BE IDENTIFIED AS FOLLOWS:
   a) CONCEALED: FACTORY APPLIED RED.
   b) EXPOSED: FIELD PAINTED TO MATCH ADJACENT SURFACE.
4. SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED AND FINAL.
5. PROVIDE SYNCHRONIZATION OF ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL REQUIRED SYNC MODULES. PROVIDE A MULTI-SYNC MODE SLAVE CONNECTION BETWEEN ALL SYNC MODULES.
6. DESIGN AND FIELD VERIFY AUDIBILITY SETTINGS OF NOTIFICATION APPLIANCES. FIELD MEASURE SOUND PRESSURE LEVELS AND REPLACE HORN-STROBES WITH STROBE ONLY DEVICES WERE REQUIRED.
7. POWER FOR ALL FIRE ALARM PANELS AND FIRE ALARM POWER SUPPLIES MUST BE PROVIDED BY A DEDICATED AC BRANCH CIRCUIT.
8. REMOVE EXISTING SIMPLEX FIRE ALARM SYSTEM AND UPGRADE TO DISTRICT STANDARD NOTIFIER SYSTEM. UPGRADE ALL EXISTING DEVICES TO REMAIN FOR NEW SYSTEM COMPATIBILITY AND COMPLIANCE WITH THIS PROJECTS SPECIFICATIONS.
9. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
10. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 291171
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

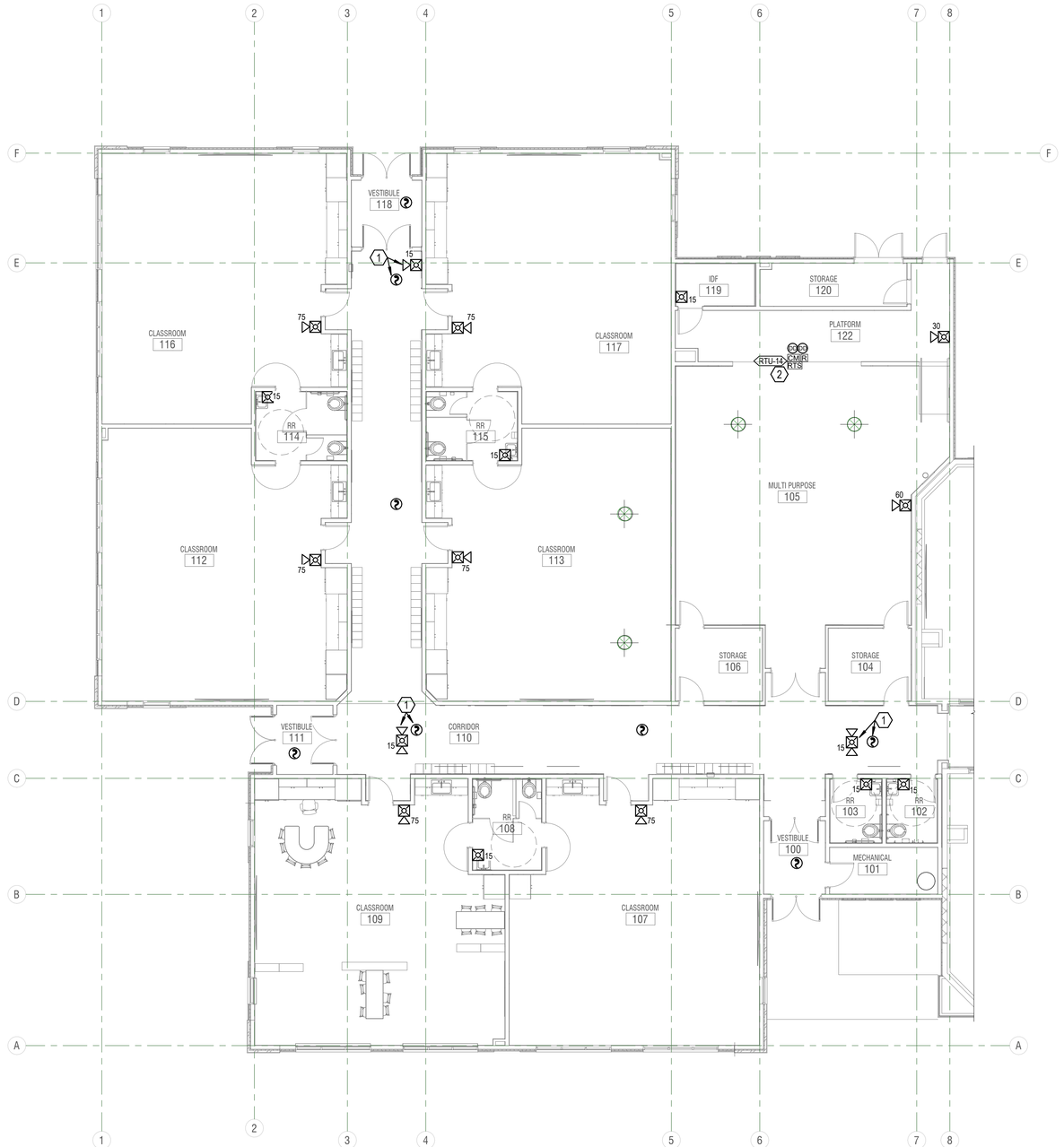
CONSTRUCTION DOCUMENTS

FIRE ALARM PLAN - REMODEL

FA-401

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/23/2025 11:23:49 AM Autodesk Docs://125054 - LCSD ECC Preschool Addition/LCSD ECC Pre-School Addition_CENT.rvt



A1 FIRE ALARM PLAN: MAIN LEVEL - ADDITION

1/8" = 1'-0"

NORTH

KEYED NOTES

1. DEVICE INDICATED TO BE INSTALLED WITHIN 15'-0" OF END OF CORRIDOR PER NFPA 72.
2. PROVIDE DUCT DETECTORS WITH REMOTE INDICATING LAMP AND FIRE ALARM SHUTDOWN FOR HVAC UNITS

GENERAL NOTES

1. CANDELA RATINGS FOR STROBE DEVICES ARE MINIMUM REQUIRED VALUES. FIRE ALARM CONTRACTOR SHALL ADJUST MANUFACTURER'S STANDARD CANDELA RATINGS AS NECESSARY TO MEET OR EXCEED MINIMUM REQUIREMENTS.
2. FIRE ALARM ANNUNCIATION DEVICE LOCATIONS ARE BASED ON CODE REQUIRED LAYOUTS. COORDINATE WITH ENGINEER PRIOR TO RELOCATING ANY DEVICES. ALTERNATE LOCATIONS AFFECT DEVICE CANDELA RATINGS.
3. ALL FIRE ALARM CONDUITS AND BOXES TO BE IDENTIFIED AS FOLLOWS:
   a) CONCEALED: FACTORY APPLIED RED.
   b) EXPOSED: FIELD PAINTED TO MATCH ADJACENT SURFACE.
4. SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED AND FINAL.
5. PROVIDE SYNCHRONIZATION OF ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL REQUIRED SYNC MODULES. PROVIDE A MULTI-SYNC MODE SLAVE CONNECTION BETWEEN ALL SYNC MODULES.
6. DESIGN AND FIELD VERIFY AUDIBILITY SETTINGS OF NOTIFICATION APPLIANCES. FIELD MEASURE SOUND PRESSURE LEVELS AND REPLACE HORN-STROBES WITH STROBE ONLY DEVICES WERE REQUIRED.
7. POWER FOR ALL FIRE ALARM PANELS AND FIRE ALARM POWER SUPPLIES MUST BE PROVIDED BY A DEDICATED AC BRANCH CIRCUIT.
8. REMOVE EXISTING SIMPLEX FIRE ALARM SYSTEM AND UPGRADE TO DISTRICT STANDARD NOTIFIER SYSTEM. UPGRADE ALL EXISTING DEVICES TO REMAIN FOR NEW SYSTEM COMPATIBILITY AND COMPLIANCE WITH THIS PROJECTS SPECIFICATIONS.
9. EXISTING LIGHTING, ELECTRICAL AND ELECTRONIC DEVICES SHOWN LIGHT. NEW DEVICES SHOWN DARK.
10. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.

DESIGN WEST
LOGAN, UTAH
(435) 752-7031
SALT LAKE CITY, UTAH
(801) 539-8221

LCSD - EARLY CHILDHOOD CENTER ADDITION

LOGAN, UT 84321

LOGAN CITY SCHOOL DISTRICT

MARK:	DATE:	DESCRIPTION:

PROJECT #: 125054
DRAWN BY: D.PATTON
CHECKED BY: S.SWENSON
ISSUED: 05.29.2025

REGISTERED PROFESSIONAL ENGINEER
No. 291174
SHANE D. SWENSON
5/29/2025
STATE OF UTAH

CONSTRUCTION DOCUMENTS

FIRE ALARM PLAN - ADDITION

FA-402

© COPYRIGHT DESIGN WEST ARCHITECTS 2022

5/29/2025 11:23:52 AM Autodesk Docs://125054_LCSD ECC Preschool Addition/A_LCSD ECC Pre-School Addition_V21.rvt