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OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401
OGDEN CITY COUNCIL

VCBO NUMBER: 20530.03
CLIENT NUMBER: 00000

CONSTRUCTION DOCUMENTS
AUGUST 27, 2025

PROJECT ABBREVIATIONS

NOT ALL ABBREVIATIONS MAY BE USED

&	AND	INFO	INFORMATION
@	AT	INT	INTERIOR
		INSUL	INSULATE, (D), (ION)
ACM	ALUMINUM COMPOSITE MATERIAL	INV	INVERT
ACT	ACOUSTICAL CEILING TILE		
ADJ	ADJUSTABLE	JT	JOINT
AFF	ABOVE FINISH FLOOR		
ALT	ALTERNATE	LAV	LAVATORY
AL / ALUM	ALUMINUM	LB / LBS	POUND (S)
APPROX	APPROXIMATE	LVT	LUXURY VINYL TILE
ARCH	ARCHITECTURAL		
AVB	AIR VAPOR BARRIER	MAX	MAXIMUM
		MDF	MEDIUM DENSITY
BRD	BOARD	MECH	MECHANICAL
BLDG	BUILDING	MEZZ	MEZZANINE
BLK	BLOCK(ING)	MFR	MANUFACTURER
BO	BOTTOM OF	MGR	MANAGER
BRG	BEARING	MIN	MINIMUM
BSMT	BASEMENT	MISC	MISCELANEOUS
BW	BOTH WAYS	MTD	MOUNT (ED)
		MTL	METAL
CAB	CABINET		
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CCSA	CUSTOM COLOR SELECTED BY	NO.	NUMBER
	ARCHITECT	NOM	NOMINAL
CG	CORNER GUARD	NRC	NOISE REDUCTION COEFFICIENT
CFCI	CONTRACTOR FURNISHED /	NTS	NOT TO SCALE
	CONTRACTOR INSTALLED		
CHAM	CHAMFER	OC	ON CENTER
CJ	CONTROL JOINT	OD	OUTSIDE DIAMETER
CL	CENTER LINE	OFCI	OWNER FURNISHED /
CLG	CEILING		CONTRACTOR INSTALLED
CLR	CLEAR	OFOI	OWNER FURNISHED / OWNER
CM	CONSTRUCTION MANAGER		INSTALLED
COL	COLUMN	OH	OVERHEAD
CONC	CONCRETE	OPP	OPPOSITE
CONT	CONTINUOUS	OSB	ORIENTED STRAND BOARD
CMU	CONCRETE MASONRY UNIT	OZ	OUNCE
CSBA	COLOR SELECTED BY ARCHITECT		
CT	CERAMIC TILE	PL	PLATE
		PLAM	PLASTIC LAMINATE
D	DEPTH	PNL	PANEL
DB	DECK BEARING	PNT	PAINT (ED)
DBL	DOUBLE	PR	PAIR
DEPT	DEPARTMENT	PT	POST TENSIONED
DF	DRINKING FOUNTAIN	PLY	PLYWOOD
DIA	DIAMETER		
DIM	DIMENSION	QT	QUARRY TILE
DN	DOWN		
DTL/DET	DETAIL	R / RAD	RADIUS
DW	DISHWASHER	RCP	REFLECTED CEILING PLAN
DWG	DRAWING	REC	RECESSED
		REF	REFERENCE
(E)	EXISTING	REINF	REINFORCE (ING)
EA	EACH	REPL	REPLACE
EIFS	EXTERIOR INSULATION SYSTEM	REQD	REQUIRED
EJ	EXPANSION JOINT	REV	REVISION (S)
ELEC	ELECTRICAL	RM	ROOM
ELEV	ELEVATION	RO	ROUGH OPENING
EQ	EQUAL		
EQUIP	EQUIPMENT	SALV	SALVAGE (ED)
EVAP	EVAPORATIVE	SECT	SECTION
EX / EXIST	EXISTING	SF	SQUARE FOOT
EXP	EXPANSION	SIM	SIMILAR
EXT	EXTERIOR	SPEC	SPECIFICATION (S)
EWC	ELECTRIC WATER COOLER	SQ	SQUARE
		SS	STAINLESS STEEL
FA	FIRE ALARM	STC	SOUND TRANSMISSION CLASS
FD	FLOOR DRAIN	STD	STANDARD
FND	FOUNDATION	STL	STEEL
FE	FIRE EXTINGUISHER	STOR	STORAGE
FEC	FIRE EXTINGUISHER CABINET	STRUCT	STRUCTURE (AL)
FG	FINISH GRADE	SUSP	SUSPENDED
FH	FIRE HYDRANT	SYM	SYMMETRY (ICAL)
FIN	FINISHED		
FLR	FLOOR	T & B	TOP AND BOTTOM
F.O.	FACE OF	T & G	TONGUE AND GROOVE
FT	FOOT, FEET	TEMP	TEMPORARY
FRP	FIBER REINFORCED PANEL	THRU	THROUGH
FTG	FOOTING	T.O.	TOP OF
FV	FIELD VERIFY	TRANS	TRANSFORMER
		TS	TUBE STEEL
GA	GAUGE	TYP	TYPICAL
GALV	GALVANIZED		
GC	GENERAL CONTRACTOR	UNO	UNLESS OTHERWISE NOTED
GFRC	GLASS FIBER REINFORCED PANEL		
GFRG	GLASS FIBER REINFORCED GYPSUM	VAR	VARIES
GYP	GYPSUM	VCT	VINYL COMPOSITION TILE
GWB	GYPSUM WALLBOARD	VERT	VERTICAL
		VEST	VESTIBULE
HB	HOSE BIB	VWC	VINYL WALL COVERING
HC	HANDICAP ACCESSIBLE		
HDF	HIGH DENSITY FIBERBOARD	W	WIDTH
HM	HOLLOW METAL	W/	WITH
H	HEIGHT	WC	WATER CLOSET
HOR	HORIZONTAL	WD	WOOD
		WF	WIDE FLANGE BEAM
ID	INSIDE DIAMETER	W/O	WITHOUT
ICF	INSULATED CONCRETE FORM	WSCT	WAINSCOT
IN	INCH	WWF	WELDED WIRE FABRIC
INCL	INCLUDE		

UTILITY CONTACTS

power
XXXXX XXXXXXXXXX
ORGANIZATION
ADDRESS
ADDRESS
email@domain.com
000.000.000

sewer
XXXXX XXXXXXXXXX
ORGANIZATION
ADDRESS
ADDRESS
email@domain.com
000.000.000

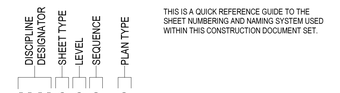
natural gas
XXXXX XXXXXXXXXX
ORGANIZATION
ADDRESS
ADDRESS
email@domain.com
000.000.000

telephone
XXXXX XXXXXXXXXX
ORGANIZATION
ADDRESS
ADDRESS
email@domain.com
000.000.000

water/storm drain
XXXXX XXXXXXXXXX
ORGANIZATION
ADDRESS
ADDRESS
email@domain.com
000.000.000

other
XXXXX XXXXXXXXXX
ORGANIZATION
ADDRESS
ADDRESS
email@domain.com
000.000.000

SHEET NUMBERING



THIS IS A QUICK REFERENCE GUIDE TO THE SHEET NUMBERING AND NAMING SYSTEM USED WITHIN THIS CONSTRUCTION DOCUMENT SET.

PLAN TYPE
.0 SLAB PLAN / DEMOLITION PLAN
.1 ANNOTATED PLAN
.2 DIMENSION + WALL TYPE PLAN
.3 FINISH PLAN
.4 REFLECTED CEILING PLAN

SEQUENCE
DENOTES AREA SEQUENCE IN PLAN, AND NUMERIC SEQUENCE IN NON-PLAN SHEETS

LEVEL
DENOTES LEVEL IN A MULTI-STORY BUILDING. ALSO BECOMES A SEQUENCE NUMBER DENOTING DIVISIONS IN NON-PLAN SHEETS

SHEET TYPE SEQUENCE
0 GENERAL NOTES + LEGENDS
1 FLOOR PLANS
2 ELEVATIONS
3 SECTIONS
4 ENLARGED PLANS, ELEVATIONS, SECTIONS
5 DETAILS
6 DOOR, WINDOW, OTHER SCHEDULES
7 SIGNAGE
8 USER DEFINED
9 3D DRAWINGS + PERSPECTIVES

GENERAL PROJECT NOTES

1. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.
2. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS, THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK. ALL DEVIATIONS FROM THAT WHICH IS REQUIRED BY THE CONTRACT DOCUMENTS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
3. THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK OF ALL THE TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. QUANTITIES ARE TO BE PROVIDED AS SHOWN ON DRAWINGS OF OTHER DISCIPLINES BUT LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK.
4. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN; DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED.
5. CONTRACTOR TO FOLLOW CURRENT ANSI 117-1 STANDARDS AS REPRESENTED ON SHEET G301, GENERAL ACCESSIBILITY GUIDELINES. NOTIFY ARCHITECT IF THE DESIGN DRAWINGS CONFLICT WITH THIS SHEET.

REFERENCE SYMBOL LEGEND

BUILDING SECTION
WALL SECTION NUMBER
SIM
1 / A101
DIRECTION OF VIEW
SHEET WHERE DRAWN
1 / A101

LAYOUT GRID LINES
1
GRID IDENTIFICATION
A

WALL SECTION
WALL SECTION NUMBER
SIM
1 / A101
DIRECTION OF VIEW
SHEET WHERE DRAWN

DETAIL SECTION
ELEVATION NUMBER AND DIRECTION
SIM
1 / A101
SHEET WHERE DRAWN

INTERIOR ELEVATION
1
ELEVATION NUMBER AND DIRECTION
4 A.X.X 3
SHEET WHERE DRAWN
2

LEVEL LINE
SECOND LEVEL
116' - 0"

ELEVATION MARKER
XXXX
XXXX

DETAIL REFERENCE
1 / A101
DETAIL NUMBER
SHEET WHEN DRAWN. HYPEN INDICATES DETAIL ON SAME SHEET

REVISIONS TAG
1
REVISION NUMBER
REVISION DESCRIPTOR
XXX-X

ROOM NAME AND NUMBER
ROOM NAME
101

PHOTO TAG
A101 / 1

PROJECT NORTH ARROW

MATCH LINE
AREA #
AREA # A

BASIC DRAWING TITLE
DRAWING TITLE
SCALE: # = 1'-0"

CODE GENERAL NOTES

THIS PROJECT DOES NOT IMPACT ANY LIFE SAFETY FEATURES IN THE OGDEN MUNICIPAL BUILDING

EXIT SIGNAGE WILL BE RELOCATED TO BE CEILING MOUNTED

NOTES TO BIDDERS

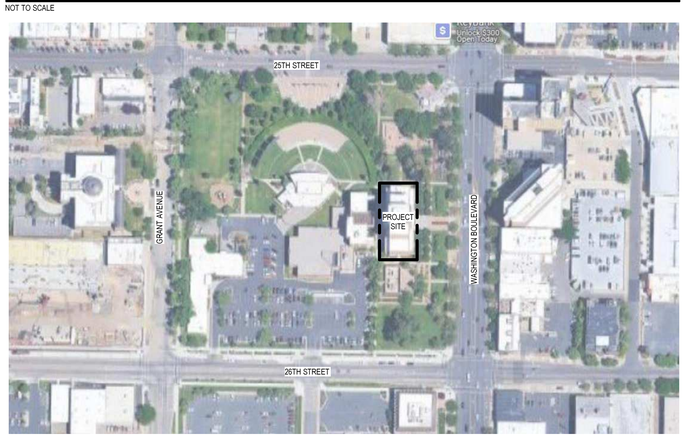
1. THIS SHEET CONTAINS A LIST OF DRAWINGS WHICH COMPRISE A FULL SET OF DRAWINGS FOR THIS PROJECT. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE INFORMATION CONTAINED IN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS. IF ANY PERSON, PARTY OR ENTITY ELECTS TO SUBMIT BIDS FOR ANY PORTION, OR ALL, OF THIS PROJECT, THAT PERSON, PARTY OR ENTITY SHALL BE RESPONSIBLE FOR ANY AND ALL INFORMATION CONTAINED IN THESE DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDUMS OR CLARIFICATIONS THAT MAY BE ISSUED.
2. THESE DOCUMENTS SHOW THE DESIGN INTENT. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE EVERYTHING SHOWN ON THE DRAWINGS OR SPECIFIED REGARDLESS OF WHERE IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS. FOR EXAMPLE; SOME MILLWORK DETAILS HAVE STEEL FRAMES WHICH MAY BE PROVIDED BY DIVISION 05 OR WITH THE MILLWORK AT THE CONTRACTOR'S DISCRETION, BUT IT SHALL BE PROVIDED AS PART OF THE CONTRACT.
3. EVERYTHING CALLED FOR IN THESE DOCUMENTS SHALL BE "NEW" AND PROVIDED BY THE CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT UNLESS NOTED OTHERWISE AS EXISTING (EXIST), NOT IN CONTRACT (NIC) OR FOR REFERENCE ONLY. FURNISHINGS SHOWN DASHED SHALL BE FOR REFERENCE ONLY.

SHEET INDEX

VICINITY MAP

NOT TO SCALE

NORTH



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VCBO.COM

VCBO NUMBER: 20530.03
CLIENT NUMBER: 00000
DATE: AUGUST 27, 2025

STATE OF UTAH
WHITNEY WARD
No. 7716538-0301
REGISTERED ARCHITECT
7/31/2025

REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

GENERAL INFORMATION + INDEX

G001

9/4/2025 11:13:33 AM

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01 7329
CUTTING AND PATCHING

PART 1 - GENERAL

1.1 RELATED PROVISIONS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes procedural requirements for cutting and patching.

B. Patch and repair any and all material disturbed during construction, including but not limited to walls, floors, ceilings, asphalt, concrete, lawns and landscaping, roofs, etc.

1.3 DEFINITION

A. Cutting: Removal of existing construction necessary to permit installation or performance of other Work.

B. Patching: Fitting and repair work required to restore surfaces to original conditions after installation of other Work.

1.4 SUBMITTALS

A. Cutting and Patching Proposal: Submit a proposal describing procedures at least 10 days before the time cutting and patching will be performed, requesting approval to proceed.
1. Architect's Approval: Obtain approval of cutting and patching proposal before cutting and patching. Approval does not waive right to later require removal and replacement of unsatisfactory work.

1.5 QUALITY ASSURANCE

A. Structural Elements: Do not cut and patch structural elements in a manner that could change their load-carrying capacity or load-deflection ratio.

B. Operational Elements: Do not cut and patch operating elements and related components in a manner that results in reducing their capacity to perform as intended or that results in increased maintenance or decreased operational life or safety, including but not limited to the following:
1. Primary operational systems and equipment.
2. Fire-protection systems.
3. Communication systems.
4. Electrical wiring systems.

C. Miscellaneous Elements: Do not cut and patch the following elements or related components in a manner that could change their load-carrying capacity, that results in reducing their capacity to perform as intended, or that results in increased maintenance or decreased operational life or safety.

D. Visual Requirements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch construction exposed on the exterior or in occupied spaces in a manner that would, in Architect's opinion, reduce the building's aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.
1. If possible, retain original Installer or fabricator to cut and patch exposed Work. If it is impossible to engage original Installer or fabricator, engage another recognized, experienced, and specialized firm.

E. Cutting and Patching Conference: Before proceeding, meet at Project site with parties involved in cutting and patching, including mechanical and electrical trades. Review areas of potential interference and conflict. Coordinate procedures and resolve potential conflicts before proceeding.

1.6 WARRANTY

A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during cutting and patching operations, by methods and with materials so as not to void existing warranties.

PART 2 - PRODUCTS

2.1 MATERIALS

A. General: Comply with requirements specified in other Sections of these Specifications.

B. Existing Materials: Use materials identical to existing materials. For exposed surfaces, use materials that visually match existing adjacent surfaces to the fullest extent possible.
1. If identical materials are unavailable or cannot be used, use materials that, when installed, will match the visual and functional performance of existing materials.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine surfaces to be cut and patched and conditions under which cutting and patching are to be performed.
1. Compatibility: Before patching, verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
2. Proceed with installation only after unsafe or unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Temporary Support: Provide temporary support of Work to be cut.

B. Protection: Protect existing construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of Project that might be exposed during cutting and patching operations.

C. Adjoining Areas: Avoid interference with use of adjoining areas or interruption of free passage to adjoining areas.

D. Existing Services: Where existing services are required to be removed, relocated, or abandoned, bypass such services before cutting to minimize interruption of services to occupied areas.

3.3 PERFORMANCE

A. General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.
1. Cut existing construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.

B. Cutting: Cut existing construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.
1. General: use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots as small as possible, neatly to size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
2. Existing Finished Surfaces: Cut or drill from the exposed or finished side into concealed surfaces.
3. Concrete/Masonry: Cut using a cutting machine, such as an abrasive saw or a diamond-core drill.
4. Mechanical and Electrical Services: Cut off pipe or conduit to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit to prevent entrance of moisture or other foreign matter after cutting.
5. Patching: Proceed with patching after construction operations requiring cutting are complete.

C. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other Work. Patch with durable seams that are as invisible as possible. Patch masonry with masonry units and grout that match as closely as possible the original. Provide materials and comply with installation requirements specified in other Sections of these Specifications.
1. Restore landscaping and irrigation system to "like-new" condition where disturbed by new construction. Preserve and reuse existing plantings; new plantings, where required, shall match existing in size and quality; stake and secure as appropriate. Install new sprinkler heads where needed to provide full coverage of planting area – match University standards. Establish new grass with sod of blended Kentucky Bluegrass and perennial ryegrass as approved by the University.
2. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate integrity of installation.
3. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing.

END OF SECTION 01 7329

DIVISION 02 - EXISTING CONDITIONS

SECTION 02 4100
SELECTIVE DEMOLITION

PART 1 GENERAL

1.1 SUBMITTALS

A. Site Plan: Indicate:
1. Areas for temporary construction and field offices.
2. Areas for temporary and permanent placement of removed materials.

B. Demolition Plan: Submit demolition plan as required by OSHA and local AHJs.
1. Indicate extent of demolition, removal sequencing, bracing and shoring, and location and construction of barricades and fences.
2. Summary of safety procedures.
3. Demolition firm qualifications.

C. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

1.2 QUALITY ASSURANCE

PART 2 PRODUCTS -- NOT USED

PART 3 EXECUTION

3.1 GENERAL PROCEDURES AND PROJECT CONDITIONS

A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
1. Obtain required permits.
2. Comply with applicable requirements of NFPA 241.
3. Use of explosives is not permitted.
4. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
5. Provide, erect, and maintain temporary barriers and security devices.
6. Conduct operations to minimize effects on and interference with adjacent structures and occupants.

B. Do not begin removal until built elements to be salvaged or relocated have been removed.

C. Minimize production of dust due to demolition operations. Do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.

D. Perform demolition in a manner that maximizes salvage and recycling of materials.
1. Dismantle existing construction and separate materials.
2. Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.

3.2 EXISTING UTILITIES

A. Coordinate work with utility companies. Notify utilities before starting work, comply with their requirements, and obtain required permits.

B. Protect existing utilities to remain from damage.

C. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.

3.3 SELECTIVE DEMOLITION FOR ALTERATIONS

A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.

B. Remove existing work as indicated and required to accomplish new work.
1. Remove items indicated on drawings.

C. Services including, but not limited to, HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications: Remove existing systems and equipment as indicated.
1. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.

D. Protect existing work to remain.

3.4 DEBRIS AND WASTE REMOVAL

A. Remove debris, junk, and trash from site.

END OF SECTION 02 4100

DIVISION 05 - METALS

SECTION 05 5000
METAL FABRICATIONS

PART 1 GENERAL

1.1 SUBMITTALS

A. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable.

B. Designer's Qualification Statement.

1.2 QUALITY ASSURANCE

A. Fabricator Qualifications: A qualified steel fabricator that is accredited by IAS AC172.

PART 2 PRODUCTS

2.1 MATERIALS - STEEL

A. Steel Sections: ASTM A36/A36M.

B. Steel Tubing: ASTM A501/A501M hot-formed structural tubing.

C. Plates: ASTM A283/A283M.

D. Pipe: ASTM A53/A53M, Grade B Schedule 40, black finish.

E. Stainless Steel, General: ASTM A666, Type 304.

F. Stainless Steel Tubing: ASTM A554, Type 304, 16 gauge, 0.0625 inch minimum metal thickness, 1-1/2 inch diameter.

G. Stainless Steel Bars, Shapes and Moldings: ASTM A276/A276M, Type 304.

H. Bolts, Nuts, and Washers: ASTM A307, Grade A, plain.

I. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

J. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.

K. Touch-Up Primer for Galvanized Surfaces: SSPC-Paint 20, Type I - Inorganic, complying with VOC limitations of authorities having jurisdiction.

2.2 MATERIALS - ALUMINUM

A. Extruded Aluminum: ASTM B221 (ASTM B221M), 6063 alloy, T6 temper.

B. Sheet Aluminum: ASTM B209/B209M, 5052 alloy, H32 or H22 temper.

C. Bolts, Nuts, and Washers: Stainless steel.

D. Welding Materials: AWS D1.2/D1.2M; type required for materials being welded.

2.3 FABRICATION

A. Fit and shop assemble items in largest practical sections, for delivery to site.

B. Fabricate items with joints tightly fitted and secured.

C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.

D. Exposed Mechanical Fastenings: Flush countersunk screws or bolts; unobtrusively located; consistent with design of component, except where specifically noted otherwise.

2.4 FABRICATED ITEMS

A. Bollards: Steel pipe, concrete filled, crowned cap, as detailed; prime paint finish.

B. Ledge Angles, Shelf Angles, Channels, and Plates Not Attached to Structural Framing: For support of masonry; prime paint finish.

C. Door Frames for Wall Openings: Channel sections; prime paint finish.

2.5 FINISHES - STEEL

A. Prime paint steel items.
1. Exceptions: Galvanize items to be embedded in concrete and items to be embedded in masonry.

B. Stainless Steel Finish: Brushed Finish.

2.6 FINISHES - ALUMINUM

A. Exterior Aluminum Surfaces: Class I color anodized.

B. Interior Aluminum Surfaces: Class I natural anodized.

C. Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating not less than 0.7 mils thick.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install items plumb and level, accurately fitted, free from distortion or defects.

B. Field weld components as indicated on shop drawings.

END OF SECTION 05 5000

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

SECTION 06 1000
MISCELLANEOUS ROUGH CARPENTRY

PART 1 GENERAL

1.1 SUBMITTALS

A. Product Data: Provide technical data on application instructions.

PART 2 PRODUCTS

2.1 GENERAL REQUIREMENTS

A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
1. If no species is specified, provide species graded by the agency specified; if no grading agency is specified, provide lumber graded by grading agency meeting the specified requirements.
2. Grading Agency: Grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee at www.alsc.org, and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.

B. Lumber salvaged from deconstruction or demolition of existing buildings or structures is permitted provided it is clean, denailed, and free of paint and finish materials, and other contamination; identify source.

2.2 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

A. Grading Agency: Western Wood Products Association; WWPA G-5.

B. Sizes: Nominal sizes as indicated on drawings, S4S.

C. Moisture Content: S-dry or MC19.

D. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
1. Lumber: S4S, No. 2 or Standard Grade.
2. Boards: Standard or No. 3.

2.3 CONSTRUCTION PANELS

A. Communications and Electrical Room Mounting Boards: PS 1 A-D plywood, or medium density fiberboard; 3/4 inch thick; flame spread index of 25 or less, smoke developed index of 450 or less, when tested in accordance with ASTM E84.

B. Other Applications:
1. Plywood Concealed From View But Located Within Exterior Enclosure: PS 1, C-C Plugged or better, Exterior grade.
2. Plywood Exposed to View But Not Exposed to Weather: PS 1, A-D, or better.
3. Other Locations: PS 1, C-D Plugged or better.

2.4 INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH

A. Quality Standard: Comply with AWS Section 6.

B. Grade: Premium.

C. Assemble moldings in plant to maximum extent possible. Miter corners in plant and prepare for field assembly with bolted fittings designed to pull connections together.

2.5 ACCESSORIES

A. Fasteners and Anchors:
1. Metal and Finish: Hot-dipped galvanized steel complying with ASTM A153/A153M for high humidity and preservative-treated wood locations, unfinished steel elsewhere.
2. Drywall Screws: Bugle head, hardened steel, power driven type, length three times thickness of sheathing.
3. Anchors: Toggle bolt type for anchorage to hollow masonry.

2.6 FACTORY WOOD TREATMENT

A. Treated Lumber and Plywood: Comply with requirements of AWPA U1 - Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.
1. Fire-Retardant Treated Wood: Mark each piece of wood with producer's stamp indicating compliance with specified requirements.
2. Preservative-Treated Wood: Provide lumber and plywood marked or stamped by an ALSC-accredited testing agency, certifying level and type of treatment in accordance with AWPA standards.

PART 3 EXECUTION

3.1 INSTALLATION - GENERAL

A. Select material sizes to minimize waste.

B. Where treated wood is used on interior, provide temporary ventilation during and immediately after installation sufficient to remove indoor air contaminants.

END OF SECTION 06 1000

SECTION 06 2000
FINISH CARPENTRY

PART 1 GENERAL

1.1 SUBMITTALS

A. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.

1.2 QUALITY ASSURANCE

A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.

1.3 MOCK-UPS

A. Locate where directed.

B. Mock-up may remain as part of the work.

PART 2 PRODUCTS

2.1 FINISH CARPENTRY ITEMS

A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
1. Match existing on Project.

B. Surface Burning Characteristics: Provide materials having fire and smoke properties as required by applicable code.

2.2 SHEET MATERIALS

A. Softwood Plywood, Exposed to View: Face species as indicated, plain sawn, medium density fiberboard core; PS 1 Grade A-B, glue type as recommended for application.

B. Hardwood Plywood: Face species as indicated, plain sawn, book matched, medium density fiberboard core; HPVA HP-1 Front Face Grade AA, Back Face Grade 1, glue type as recommended for application.

2.3 PANEL CORE MATERIALS

A. Medium Density Fiberboard (MDF): Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.

2.4 ACCESSORIES

A. Adhesive: Type recommended by fabricator to suit application.

B. Primer: Alkyd primer sealer.

C. Wood Filler: Solvent base, tinted to match surface finish color.

2.5 FABRICATION

A. Shop assemble work for delivery to site, permitting passage through building openings.

2.6 SHOP FINISHING

A. Sand work smooth and set exposed nails and screws.

B. Apply wood filler in exposed nail and screw indentations.

C. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:

PART 3 EXECUTION

3.1 INSTALLATION

A. Install custom fabrications in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

B. Set and secure materials and components in place, plumb and level.

C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.

END OF SECTION 06 2000

SECTION 06 4100
ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.1 SUBMITTALS

A. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.

B. Samples: Submit actual samples of architectural cabinet construction, minimum 12 inches square, illustrating proposed cabinet, countertop, and shelf unit substrate and finish.

C. Samples: Submit actual sample items of proposed pulls, hinges, and shelf standards, demonstrating hardware design, quality, and finish.

1.2 QUALITY ASSURANCE

A. Quality Certification:
1. Comply with AWI (QCP) woodwork association quality certification service/program in accordance with requirements for work specified in this section: www.awiqcp.org/#/isk.
2. Replace, repair, or rework all work for which certification is refused.

PART 2 PRODUCTS

2.1 CABINETS

A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

B. Wood Veneer Faced Cabinet:
1. Exposed Surfaces: HPVA HP-1 Grade A, Ash, plain sliced, random-matched.
2. Semi-Exposed Surfaces: HPVA HP-1 Grade B, Ash, plain sliced, random-matched.
3. Concealed Surfaces: Manufacturer's option.

C. Cabinets at Display case:
1. Finish - Exposed Exterior Surfaces: Wood.
2. Finish - Exposed Interior Surfaces: Wood.
3. Finish - Semi-Exposed Surfaces: Wood
4. Finish - Concealed Surfaces: Manufacturer's option.
5. Door and Drawer Front Edge Profiles: Square edge with inset band.
6. Door and Drawer Front Retention Profiles: Fixed panel.
7. Casework Construction Type: Type A - Frameless.
8. Interface Style for Cabinet and Door: Style 1 - Overlay; flush overlay.
9. Grained Face Layout for Cabinet and Door Fronts: Style and Rail, all Grades.
a. Doors: Match existing.

2.2 WOOD-BASED COMPONENTS

A. Wood fabricated from old growth timber is not permitted.

2.3 PANEL CORE MATERIALS

A. Medium Density Fiberboard (MDF): Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.

2.4 COUNTERTOPS

A. Countertops: See Section 12 3600.

2.5 ACCESSORIES

A. Adhesive: Type recommended by fabricator to suit application.

B. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.

C. Concealed Joint Fasteners: Threaded steel.

D. Grommets: Standard painted metal grommets for cut-outs, in color Black. Only where shown on Drawings.

E. Glazing: Clear, tempered.
1. Kind FT - Fully Tempered Type: Complies with ASTM C1048.

F. Locks: Drawer and Door Locks: 5-pin tumbler, complying with ANSI/BHMA A156.11 Grade 1. Cam type locks are not acceptable. Locks shall be master keyed in accordance with Owner's keying requirements

2.6 HARDWARE

A. Cabinet Hardware: Comply with BHMA A156.9 for hardware types and grades indicated below: See Drawings for Manufacturers and Products.

B. Adjustable Shelf Supports: Standard back-mounted system using surface mounted metal shelf standards and coordinated cantilevered shelf brackets, satin chrome finish, for nominal 1 inch spacing adjustments.

C. Drawer and Door Pulls: Match existing.

D. Hinges: European style concealed self-closing type, ..

E. See Drawings for additional hardware and Finishes.

2.7 FABRICATION

A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.

B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.

C. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners.
1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
2. Cap exposed plastic laminate finish edges with material of same finish and pattern.

2.8 SHOP FINISHING

A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS)

PART 3 EXECUTION

3.1 INSTALLATION

A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.

C. Use concealed joint fasteners to align and secure adjoining cabinet units.

END OF SECTION 06 4100

SECTION 06 4200
WOOD PANELING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Custom wood veneer paneling to match existing on Project.

1.2 SUBMITTALS

A. Product Data: Provide data on fire-retardant treatment materials and application instructions.

B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.

C. Samples: Submit two samples of finished wood, 4 x 4 inch in size, illustrating wood grain and specified finish.

PART 2 PRODUCTS

2.1 PANELING

VCBO

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 20530.03
CLIENT NUMBER: 00000
DATE: AUGUST 27, 2025

STATE OF UTAH
WHITNEY WANEK
No. 7716538-0301
REGISTERED ARCHITECT
7/31/2025

REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

PROJECT SPECIFICATIONS

G100

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A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless otherwise indicated.

2.2 WOOD-BASED MATERIALS - GENERAL

A. Wood fabricated from timber recovered from riverbeds or otherwise abandoned is permitted, unless indicated otherwise, and provided it is clean and free of contamination, identify source; provide lumber re-graded by an inspection service accredited by the American Lumber Standard Committee, Inc. (ALSC).

2.3 FABRICATION

A. Prepare panels for delivery to site, permitting passage through building openings.

B. Finish exposed edges of panels as specified by grade requirements.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

B. Do not begin installation until wood materials have been fully acclimated to interior conditions.

END OF SECTION 06 4200

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION 07 9200
JOINT SEALANTS

PART 1 - GENERAL

1.1 RELATED PROVISIONS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes sealants for the following applications, including those specified by reference to this Section:
1. Interior joints in the following vertical surfaces and horizontal nontraffic surfaces:
a. Perimeter joints between interior wall surfaces and frames of interior doors, windows, and elevator entrances.
b. Joints between plumbing fixtures and adjoining walls, floors, and counters.
c. Joints between interior partitions and concrete floors.
d. Other joints as indicated.
2. Interior joints in the following horizontal traffic surfaces:
a. Other joints as indicated.
3. All joints between dissimilar materials.

1.3 PERFORMANCE REQUIREMENTS

A. Provide elastomeric joint sealants that establish and maintain watertight and airtight continuous joint seals without staining or deteriorating joint substrates.

1.4 SUBMITTALS

A. Product Data: For each joint-sealant product indicated.

B. Samples for Selection: Manufacturer's color charts consisting of strips of cured sealants showing the full range of colors available for each product exposed to view.

C. Product Certificates: Signed by manufacturers of joint sealants certifying that products furnished comply with requirements and are suitable for the use indicated.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who has specialized in installing joint sealants similar in material, design, and extent to those indicated for this Project and whose work has resulted in joint-sealant installations with a record of successful in-service performance.

B. Source Limitations: Obtain each type of joint sealant through one source from a single manufacturer.

C. Preconstruction Compatibility and Adhesion Testing: Submit to joint sealant manufacturers, for testing indicated below, samples of materials that will contact or affect joint sealants.
1. Use manufacturers standard test methods to determine whether priming and other specific joint preparation techniques are required to obtain rapid, optimum adhesion of joint sealants to joint substrates.
a. Perform tests under environmental conditions replicating those that will exist during installation.

1.6 PROJECT CONDITIONS

A. Joint-Width Conditions: Do not proceed with installation of joint sealants where joint widths are less than those allowed by joint sealant manufacturer for applications indicated.

B. Joint-Substrate Conditions: Do not proceed with installation of joint sealants until contaminants capable of interfering with adhesion are removed from joint substrates.

1.7 WARRANTY

A. Special Installer's Warranty: Installer's standard form in which Installer agrees to repair or replace elastomeric joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.

B. Special warranties specified in this Article exclude deterioration or failure of elastomeric joint sealants from the following:
1. Disintegration of joint substrates from natural causes exceeding design specifications.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

A. Low-Emitting Interior Sealants: Sealants and sealant primers used inside the weatherproofing system shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

B. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.

C. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range for this characteristic.

2.2 ELASTOMERIC JOINT SEALANTS

A. Elastomeric Sealant Standard: Comply with ASTM C 920 and other requirements indicated for each liquid-applied chemically curing sealant in the Elastomeric Joint-Sealant Schedule at the end of Part 3, including those referencing ASTM C 920 classifications for type, grade, class, and uses.

2.3 SOLVENT-RELEASE JOINT SEALANTS

A. Acrylic-Based Solvent-Release Joint-Sealant Standard: Comply with ASTM C 1311 for each product of this description indicated in the Solvent-Release Joint-Sealant Schedule at the end of Part 3.

B. Butyl-Rubber-Based Solvent-Release Joint-Sealant Standard: Comply with ASTM C 1085 for each product of this description indicated in the Solvent-Release Joint-Sealant Schedule at the end of Part 3.

2.4 LATEX JOINT SEALANTS

A. Latex Sealant Standard: Comply with ASTM C 834 for each product of this description indicated in the Latex Joint-Sealant Schedule at the end of Part 3.

2.5 ACOUSTICAL JOINT SEALANTS

A. Acoustical Sealant for Exposed and Concealed Joints: For each product of this description indicated in the Acoustical Joint-Sealant Schedule at the end of Part 3, provide manufacturer's standard nonsag, paintable, nonstaining latex sealant complying with ASTM C 834 and the following:
1. Product effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 90.

2.6 JOINT-SEALANT BACKING

A. General: Provide sealant backings of material and type that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.

B. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable.

2.7 MISCELLANEOUS MATERIALS

A. Primer: Material recommended by joint sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.

B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants with joint substrates.

C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 EXAMINATION

A. All joints of dissimilar materials to receive joint sealant.

B. Examine joints to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting joint-sealant performance.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint sealant manufacturer's written instructions and the following requirements:
1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
2. Clean porous joint substrate surfaces by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air. Porous joint surfaces include concrete, masonry or unglazed surfaces of ceramic tile.
3. Remove laitance and form-release agents from concrete.
4. Clean nonporous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants to metal, glass, porcelain enamel or glazed surfaces of ceramic tile.

B. Joint Priming: Prime joint substrates where recommended in writing by joint sealant manufacturer, based on preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

C. Masking Tape: Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.3 ELASTOMERIC JOINT-SEALANT SCHEDULE

A. Medium-Modulus Neutral-Curing Silicone Sealant:
1. Available Products: Subject to compliance with requirements of Contract Documents, products which may be incorporated into the Work include, but are not limited to, the following:
a. 791; Dow Corning.
b. PSI-631; Polymeric Systems, Inc.
c. MasterSeal NP 150, Sika.
d. Spectrem 2; Tremco.
2. Type and Grade: S (single component) and NS (nonsag).
3. Use Related to Exposure: NT (nontraffic).
4. Uses Related to Joint Substrates: M (masonry), G (glass), A (aluminum), and, as applicable to joint substrates indicated, O (other).
a. Use O Joint Substrates: Coated glass, color anodic aluminum, aluminum coated with a high-performance coating, galvanized steel, brick and masonry, ceramic tile, and wood.
5. Stain-Test-Response Characteristics: Nonstaining to porous substrates per ASTM C 1248.
6. Applications: Exterior and interior joints in vertical surfaces of concrete; between metal and concrete and mortar; perimeter of metal frames in exterior walls; overhead or ceiling joints.

B. Single-Component Nonsag Urethane Sealant:
1. Available Products: Subject to compliance with requirements of Contract Documents, products which may be incorporated into the Work include, but are not limited to, the following:
a. Vulkem 921; Mameco International.
b. Dynatrol I; Pecora Corporation.
c. DyMonic; Tremco.
d. MasterSeal NP1, Sika
2. Type and Grade: S (single component) and NS (nonsag).
3. Use Related to Exposure: NT (nontraffic).
4. Uses Related to Joint Substrates: M, A, and, as applicable to joint substrates indicated, O.
a. Use O Joint Substrates: Coated glass, color anodic aluminum, aluminum coated with a high-performance coating, galvanized steel, brick and masonry, ceramic tile, and wood.
5. Applications: Joints in concrete.

3.4 LATEX JOINT-SEALANT SCHEDULE

A. Latex Sealant:
1. Available Products: Subject to compliance with requirements of Contract Documents, products which may be incorporated into the Work include, but are not limited to, the following:
a. AC-20; Pecora Corporation.
b. Tremflex 834; Tremco.
2. Applications: Interior joints in field-painted vertical and overhead surfaces at hollow metal door frames, gypsum drywall, and concrete; and all other interior locations not indicated otherwise.

3.5 ACOUSTICAL JOINT-SEALANT SCHEDULE

A. Acoustical Sealant for Exposed and Concealed Joints:
1. Available Products: Subject to compliance with requirements of Contract Documents, products which may be incorporated into the Work include, but are not limited to, the following:
a. AC-20 FTR Acoustical and Insulation Sealant; Pecora Corporation.
b. SHEETROCK Acoustical Sealant; USG Corp., United States Gypsum Co.
2. Applications: Use in locations of sound walls and in locations indicated.

END OF SECTION 07 9200

DIVISION 08 - OPENINGS

SECTION 08 3100
ACCESS DOORS AND PANELS

PART 1 GENERAL

1.1 SUBMITTALS

A. Product Data: Provide sizes, types, finishes, hardware, scheduled locations, and details of adjoining work.

B. Shop Drawings: Indicate exact position of each access door and/or panel unit.

C. Manufacturer's qualification statement.

D. Installer's qualification statement.

PART 2 PRODUCTS

2.1 ACCESS DOORS AND PANELS ASSEMBLIES

A. Wall-Mounted Units:
1. Location: As indicated on drawings.
2. Panel Material: Aluminum extrusions with gypsum board inlay.
3. Size: 12 by 12 inches.
4. Gypsum Board Mounting Criteria: Provide drywall bead frame with door surface flush with wall surface.

B. Ceiling-Mounted Units:
1. Location: As indicated on drawings.
2. Panel Material: Aluminum extrusion with gypsum board inlay.
3. Size - Lay-In Grid Ceilings: To match module of ceiling grid.
4. Size - Other Ceilings: 12 by 12 inches.
5. Door/Panel: Hinged, standard duty, with tool-operated spring or cam lock and no handle.

2.2 WALL- AND CEILING-MOUNTED ACCESS UNITS

A. Manufacturers:
1. ACUDOR Products Inc: www.acudor.com/#sle.
2. Babcock-Davis: www.babcockdavis.com/#sle.
3. Best Access Doors: www.bestaccessdoors.com/#sle.
4. Nystrom, Inc: www.nystrom.com/#sle.
5. Substitutions: See Section 01 6000 - Product Requirements.

B. Wall- and Ceiling-Mounted Units: Factory-fabricated door and frame, fully assembled units with corner joints welded, filled and ground flush; square and without rack or warp; coordinate requirements with type of installation assembly being used for each unit.
1. Style: Recessed door panel for infill with wall/ceiling finish.
a. Gypsum Board Mounting Criteria: Use drywall bead type frame.
2. Door Style: Single thickness with rolled or turned in edges.
3. Door Panels to Receive Wall/Ceiling Finish: Surface recessed 5/8 inch back from wall face.
4. Insulation: Non-combustible mineral wool or glass fiber.
5. Door/Panel Size: As indicated on the drawings.
6. Hardware:
a. Hinges for Non-Fire-Rated Units: Concealed, constant force closure spring type.
b. Handle: No handle.
c. Latch/Lock: Screw driver slot for quarter turn cam latch.
d. Number of Locks/Latches Required: As recommended by manufacturer for size of unit.
e. Gasketing: Extruded neoprene, around perimeter of door panel.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install units in accordance with manufacturer's instructions.

B. Install frames plumb and level in openings, and secure units rigidly in place.

END OF SECTION 08 3100

DIVISION 09 - FINISHES

SECTION 09 2216
NON-STRUCTURAL METAL FRAMING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Metal partition framing.
1. Limited Scope.

B. Framing accessories.

1.2 SUBMITTALS

A. Shop Drawings:
1. Indicate framed openings, type and location of fasteners, accessories, and items of other related work.

B. Product Data: Provide data describing framing member materials and finish and product criteria.

1.3 MOCK-UPS

A. Provide mock-up of stud wall framing including recessed monitor alcove and finish specified in other sections. Coordinate with installation of associated work specified in other sections.
1. Mock-up may remain as part of the Work.

PART 2 PRODUCTS

2.1 FRAMING MATERIALS

A. Non-Loadbearing Framing System Components: AISI S220; sheet steel, of size and properties necessary for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf.
1. Studs: C-shaped with flat faces.
2. Runners: U-shaped, sized to match studs.
3. Ceiling Channels: C-shaped.
4. Furring: Hat-shaped sections, minimum depth of 7/8 inch.

B. Non-Loadbearing Framing Accessories:
1. Acoustic Sealant: See Section 07 9200.

2.2 FABRICATION

A. Fabricate assemblies of framed sections to sizes and profiles required.

B. Fit, reinforce, and brace framing members to suit design requirements.

C. Fit and assemble in largest practical sections for delivery to site, ready for installation.

PART 3 EXECUTION

3.1 INSTALLATION OF STUD FRAMING

A. Comply with requirements of ASTM C1007.

B. Extend partition framing to structure in all locations.

C. Align and secure top and bottom runners at 24 inches on center.

D. Install studs vertically at spacing indicated on drawings.

END OF SECTION 09 2216

SECTION 09 9000
PAINTING AND COATING

PART 1 GENERAL

1.1 RELATED PROVISIONS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

A. Scope:
1. Finish surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
a. Interior:
1) Metal: Aluminum and galvanized.
2) Metal, Galvanized: Ceilings and ductwork.
3) Metal: Structural steel columns, joists, trusses, beams, miscellaneous and ornamental iron, structural iron, and other ferrous metal. Metal stringers and underside of stairs.
4) Wood: Walls, ceilings, doors, and trim.
5) Drywall: Walls, ceilings, gypsum board, and similar items.

1.3 SUBMITTALS

A. Product Data: Provide complete list of products to be used, with the following information for each:
1. Product characteristics.
2. Surface preparation instructions and recommendations.
3. Primer requirements and finish specification.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design Products: Subject to compliance with requirements, provide Sherwin-Williams Company (The) products indicated; www.sherwin-williams.com/#sle.

B. Products that meet or exceed performance and physical characteristics of basis of design products.

2.2 PAINTINGS AND COATINGS

A. General:
1. Provide factory-mixed coatings unless otherwise indicated.
2. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application.
3. Do not reduce, thin, or dilute coatings or add materials to coatings unless specifically indicated in manufacturer's instructions.

2.3 PAINT SYSTEMS - INTERIOR

A. Metal: Aluminum and galvanized.
1. Alkyd Systems, Water-Based:
a. Gloss Finish:
1) 1st Coat: Sherwin-Williams Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series: www.sherwin-williams.com/#sle.
2) 2nd and 3rd Coat: Sherwin-Williams Pro Industrial Water Based Alkyd Urethane Enamel Gloss, B53-1050 Series: www.sherwin-williams.com/#sle.
b. Semi-Gloss Finish:
1) 1st Coat: Sherwin-Williams Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series: www.sherwin-williams.com/#sle.
2) 2nd and 3rd Coat: Sherwin-Williams Pro Industrial Water Based Alkyd Urethane Enamel Semi-Gloss, B53-1150 Series: www.sherwin-williams.com/#sle.
c. Low Sheen Finish:
1) 1st Coat: Sherwin-Williams Pro Industrial Pro-Cryl Universal Primer, B66-1310 Series: www.sherwin-williams.com/#sle.
2) 2nd and 3rd Coat: Sherwin-Williams Pro Industrial Water Based Alkyd Urethane Enamel Low Sheen, B53-1250 Series: www.sherwin-williams.com/#sle.

B. Metal, Galvanized: Ceilings and ductwork.
1. Dryfall Waterborne Topcoats:
a. Semi-Gloss Finish:
1) 1st and 2nd Coat: Sherwin-Williams Pro Industrial Waterborne Acrylic Dryfall, B42-83 Series: www.sherwin-williams.com/#sle.
b. Flat Finish:
1) 1st and 2nd Coat: Sherwin-Williams Pro Industrial Waterborne Acrylic Dryfall, B42-181 Series: www.sherwin-williams.com/#sle.

C. Wood: Walls, ceilings, doors, and trim.
1. Latex Systems:
a. Semi-Gloss Finish Scuff Resistant Waterbase Enamel:
1) 1st Coat: Sherwin-Williams Premium Wall and Wood Primer, B28W8111: www.sherwin-williams.com/#sle.
2) 2nd and 3rd Coat: Sherwin-Williams Scuff Tuff Interior Waterbased Enamel, Semi-Gloss, S26-50 Series: www.sherwin-williams.com/#sle.
b. Egg-Shell Finish Scuff Resistant Waterbase Enamel:
1) 1st Coat: Sherwin-Williams Premium Wall and Wood Primer, B28W8111: www.sherwin-williams.com/#sle.
2) 2nd and 3rd Coat: Sherwin-Williams Scuff Tuff Interior Waterbased Enamel, Egg-Shell, S24-50 Series: www.sherwin-williams.com/#sle.
c. Flat Finish Scuff Resistant Waterbase Enamel:
1) 1st Coat: Sherwin-Williams Premium Wall and Wood Primer, B28W8111: www.sherwin-williams.com/#sle.
2) 2nd and 3rd Coat: Sherwin-Williams Scuff Tuff Interior Waterbased Enamel, Matte, S23-50 Series: www.sherwin-williams.com/#sle.
2. Stain and Varnish System:
a. Satin Finish:
1) 1st Coat: Sherwin-Williams Minwax Performance Series Tintable Wood Stain 250 VOC: www.sherwin-williams.com/#sle.
2) 2nd and 3rd Coat: Sherwin-Williams Minwax Waterbased Oil-Modified Polyurethane: www.sherwin-williams.com/#sle.

D. Drywall: Walls, ceilings, gypsum board, and similar items.
1. Latex Systems:
a. Egg-Shell Finish Scuff Resistant Waterbase Enamel:
1) 1st Coat: Sherwin-Williams ProMar 200 Zero VOC Interior Latex Primer, B28W2600: www.sherwin-williams.com/#sle.
2) 2nd and 3rd Coat: Sherwin-Williams Scuff Tuff Interior Waterbased Enamel, Matte, S24-50 Series: www.sherwin-williams.com/#sle.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

C. Test shop-applied primer for compatibility with subsequent cover materials or provide in writing Manufacturer's approval.

3.2 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 APPLICATION

A. Apply products in accordance with manufacturer's written instructions.

B. Apply coatings at spread rate required to achieve manufacturer's recommended dry film thickness.

3.4 PRIMING

A. Apply primer to all surfaces unless specifically not required by coating manufacturer. Apply in accordance with coating manufacturer's instructions.

3.5 CLEANING

A. Clean surfaces immediately of overspray, splatter, and excess material.

B. After coating has cured, clean and replace finish hardware, fixtures, and fittings previously removed.

3.6 PROTECTION

A. Protect finished coatings from damage until completion of project.

B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION 09 9000

DIVISION 10 - SPECIALTIES

SECTION 10 1400
SIGNS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following types of signs:
1. Metal Lettering
2. Framed Digitally Printed Photographs & Un-Framed Placards.

1.2 SUBMITTALS

A. Product Data: Provide product data for each type of sign specified, including details of construction relative to materials, dimensions of individual components, profiles, and finishes. Product data shall also include installation instructions, adhesive and any accessory required. Include manufacturer's recommendations for maximum permissible moisture content of substrates.

B. Shop Drawings: Provide shop drawings showing fabrication and erection of signs. Include plans, elevations, and large-scale sections of typical members and other components. Show anchors, grounds, layout, reinforcement, accessories, and installation details.
1. Provide message list for each sign type & location required, sorted in the same order as they appear in schedules in construction documents.
2. Fabrication / manufacturing details including attachment and any additional installation requirements/details.
3. Provide thumbnail images for each sign & typical sign type required.
4. Provide all take-offs, schedules, and thumbnails using **same mark, type mark identity data, and sorting** as shown in construction documents.
5. Provide installation details which illustrate the attachment method of each interior and exterior sign type. Include additional details for locations which vary from the standard installation details.
6. Provide field measurements as specified in signage details and construction documents with adequate time to complete fabrication and installation within scheduled time.
7. Shop drawings shall identify any locations where additional blocking is recommended.

C. Samples: Provide the following samples of each sign component for initial selection of color, pattern and surface texture as required and for verification of compliance with requirements indicated.
1. Samples for selection of materials, finishes, colors, patterns, textures, printed and painted colors:
a. Dimensional Lettering: Complete finished samples as shown on Drawings, one character for verification of finishes, thickness and/or size.
b. Frame Profile & Printed Images: Manufacturer to provide complete finished samples of signage shown on drawings, one framed sign, and one thumbnail sample of each photo, where applicable, for review/approval of manufacture and finishes.
c. Paint Color Draw Downs: Samples cards of all color matches as specified on shop drawings.
d. Printed Color Samples: Printed samples of all custom printed materials and/or color matches as specified on shop drawings. Contractor to supply a range of printed colors for selection when printed color does not match exactly.

1.3 QUALITY ASSURANCE

A. Sign Fabricator Qualifications: Firm experienced in producing signs for those indicated for this Project, with a record of successful in-service performance, and sufficient production capacity to produce sign units required without causing delay in the work. Firms must submit proof of successful completion of minimum 3 prior projects similar in scope per sign type shown on drawings. Manufacturers for electrified signage must be UL Listed or meet CE requirements.

B. Single-Source Responsibility: For each separate sign product type required, obtain signs from one source of a single manufacturer.

C. Handicapped Accessibility: Provide signs which are in conformance with the requirements of ANSI A117.1-1998 and the Americans with Disabilities Act of 1990 (ADA).

D. Design Concept: The Drawings indicate sizes, profiles, and dimensional requirements of signs and are based on the specific types and models indicated. Sign units by other manufacturers may be considered provided deviations in dimensions and profiles do not change the design concept as judged by the Architect. The burden of proof of equality is on the proposer.

E. Graphic Content and Style: Provide signage which complies with requirements indicated in the Sign Schedule for size, style, spacing, content, mounting height and location, material, finishes, and colors of signage.

1.4 DELIVERY AND HANDLING

A. Delivery: Provide protective covering or crating as recommended by the manufacturer to protect sign components and surfaces against damage during transportation and delivery.

B. Handling: Handle signs carefully to prevent breakage, surface abrasion, denting, soiling, and other defects. Comply with the manufacturer's written handling instructions for unloading components subject to damage.
1. Inspect sign components for damage on delivery.
2. Do not install damaged sign components.
3. Repair minor damage to signs, provided the finished repair is equal in all respects to the original work and is approved by Architect; otherwise, remove and replace damaged sign components.

1.5 PROJECT CONDITIONS

A. Field Measurements: Take field measurements prior to preparation of shop drawings and on during fabrication to ensure proper fitting. Show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delay. Field verify existing site conditions prior to manufacture & installation to verify correctness/fitment.

1.6 WARRANTY

A. General Warranty: The special warranty specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.

B. Warranty Period: 10 years.

PART 2 - PRODUCTS

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VCBO NUMBER: 20530.03
CLIENT NUMBER: 00000
DATE: AUGUST 27, 2025

STATE OF UTAH
WHITNEY WARD
No. 7716538-0301
LICENSED ARCHITECT
[illegible]
9/3/2025

REV DATE DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL
2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401
BID PACKAGE

PROJECT SPECIFICATIONS

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2.1 MANUFACTURERS

A. Available Manufacturers: Subject to compliance with requirements of Contract Documents, manufacturers offering products that may be incorporated in the scope of work include but are not limited to the following:
1. Allied Sign
2. Allotech, Inc.
3. CMA Signs, Inc.
4. Gemini Inc.
5. Star Signs, Inc.
6. Thomas & Sons LLC
7. Vision Graphics

2.2 METAL LETTERING

A. Dimensional Letters: Individually fabricated or cast metal letters and numbers. Ease and finish edges to match face. Produce characters with smooth, flat faces, sharp corners, and precisely formed lines and profiles, free from pits, scale, sand holes, or other defects. Weld bosses or drill/tap pins or studs into back of characters and use 3M VHB tape & epoxy for locations installed on glass. Comply with requirements indicated for finish, style, and size.
1. Cut Dimensional Aluminum: Aluminum material in standard or custom font as selected by the architect. Return depth shall match thickness of standard cast typefaces for custom typefaces or as shown on drawings. Finish to be light bronze or as specified on the construction documents with a satin clear finish.
2. Mounting & Installation: Interior lettering shall be mechanically stud mounted to wall surface. Where lettering installs on glazing, provide a cut vinyl backer on the opposite side of the glazing.

B. Basis-of-Design Product: Gemini Inc.; Cut Dimensional Metal Finished Letter or a comparable equivalent product of available manufacturer. Alternates shall be submitted to and approved by architect.

C. Metal Finishes: Comply with NAAMM "Metal Finishes Manual" for finish designations and applications recommendations.

2.3 FRAMED DIGITALLY PRINTED PHOTOGRAPHS & UN-FRAMED PLACARDS

A. General: Provide printed graphic elements that comply with requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes, and details of construction.
1. Produce smooth surfaces constructed to remain flat under installed conditions within tolerance of plus or minus 1/16 inch measured diagonally.

B. Materials & Fabrication
1. Satin photo paper photographic prints in widths as shown on the construction documents.
2. Frames shall be constructed in a way which the images may be easily removeable.
3. Artwork and locations for images shall be provided by the architect.
4. Framing, matting, and frame profile as selected from the manufacturer's full range of selections.
5. Low VOC adhesive, paint, or water-based inks to maintain indoor air quality.
6. Installed via secure fasteners and/or hardware.
7. Frames shall include a protective glazing cover.
8. Placards located in the display cases do not require a frame or protective cover. Contractor shall include up to 5 quantity placards, up to 8" x 10" size, for each display case.

C. Graphic Content and Style: Provide sign which that complies with design requirements indicated in the Sign Schedule for size, style, spacing, content, mounting height and location, material, finishes, and colors of signage.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General: Locate sign units and accessories where indicated, using mounting methods of the type described and in compliance with the manufacturer's instructions.
1. Install signs level, plumb, and at the height indicated, with sign surfaces free from

B. Dimensional Signs: Mount letters and numbers using mechanical fastening methods recommended by the manufacturer for letter form, type of mounting, wall construction, and condition of exposure indicated. Provide heavy paper template to establish letter spacing and to locate holes for fasteners. Signs are to be flush against wall surface.
1. Lettering Mounted on Walls and/or Glass: Use two-face VHB tape. Provide matching opaque marking film or solid acrylic plate (plate to be of the same color and texture as the sign) on opposite side of glass to conceal mounting materials.

C. Wall-Mounted Frames: Attach panel signs to wall surfaces using the methods indicated below:
1. Interior Wall Signs: Install signs as indicated on the drawings or if not indicated then as follows: Install signs on walls adjacent to latch side of door where applicable. Where not indicated or possible, such as double doors, install signs on nearest adjacent walls. Locate to allow approach within 3 inches of sign without encountering protruding objects or standing within swing of door.
a. Mounting Method: Mechanically fastened, minimum of 2 fasteners per location. Mount signs to smooth, nonporous surfaces.

3.2 CLEANING AND PROTECTION

A. After installation, clean soiled sign surfaces according to the manufacturer's instructions. Protect units from damage until acceptance by the Owner.

END OF SECTION 10 1400

DIVISION 11 - EQUIPMENT

SECTION 11 3013
RESIDENTIAL APPLIANCES

PART 1 GENERAL

1.1 SUBMITTALS

A. Product Data: Manufacturer's data indicating dimensions, capacity, and operating features of each piece of residential equipment specified.

1.2 QUALITY ASSURANCE

A. Electric Appliances: Listed and labeled by UL (DIR) and complying with NEMA Standards (National Electrical Manufacturers Association).

1.3 WARRANTY

A. Provide five (5) year manufacturer warranty on refrigeration system of refrigerators.

B. Provide ten (10) year manufacturer warranty on magnetron tube of microwave ovens.

PART 2 PRODUCTS

2.1 KITCHEN APPLIANCES

A. Refrigerator: Built-in, undercounter, and frost-free.
1. Manufacturer: Summit Appliance, model# AL55IF; www.summitappliance.com
2. Size: 31.63H x 23.5W x 23.38D inches, ADA compliant, fits under 32 inch counters.
3. Door: Match color, finish, wood-look of adjacent cabinets. Stainless steel substrate.
4. Capacity: Total minimum storage of 4.2 cubic ft; minimum 0 percent freezer capacity.
5. Energy Usage: Minimum 20 percent more energy efficient than energy efficiency standards set by U.S. Department of Energy (DOE).
6. Features: Include glass shelves.

B. Microwave: Countertop.
1. Manufacturer:Whirlpool, model# WMC30516HZ; www.whirlpool.com
a. Fingerprint resistant SST.
2. Size: 13H x 21 3/4W x 17 1/4D inches.
3. Capacity: 1.6 cubic ft.
4. Power: 1200 watts.
5. Features: Include turntable.
6. Exterior Finish: Stainless steel.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Anchor built-in equipment in place.

END OF SECTION 11 3013

DIVISION 12 - FURNISHINGS

SECTION 12 3600
COUNTERTOPS

PART 1 GENERAL

1.1 SUBMITTALS

A. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Specimen warranty.

B. Shop Drawings: Complete details of materials and installation ; combine with shop drawings of cabinets and casework specified in other sections.
1. Show details full size.
2. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcing specified in other Sections.

C. Verification Samples: For each finish product specified, minimum size 6 inches square, representing actual product, color, and patterns.

D. Installer's qualification statement.

PART 2 PRODUCTS

2.1 COUNTERTOPS

A. Quality Standard: Premium Grade in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

B. Natural Quartz and Resin Composite Countertops: Sheet or slab of natural quartz and plastic resin over continuous substrate.
1. Flat Sheet Thickness: 1-1/4 inch, minimum.
2. Natural Quartz and Resin Composite Sheets, Slabs and Castings: Complying with ISFA 3-01 and NEMA LD 3; orthophthalic polyester resin, mineral filler, and pigments; homogenous, non-porous and capable of being worked and repaired using standard stone fabrication tools; no surface coating; color and pattern consistent throughout thickness.
a. Surface Burning Characteristics: Flame spread index of 25, maximum; smoke developed index of 450, maximum; when tested in accordance with ASTM E84.
b. Finish on Exposed Surfaces: Polished.
c. Color and Pattern: As indicated on drawings.
3. Fabricate in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 11 - Countertops, Premium Grade.

2.2 MATERIALS

A. Plywood for Supporting Substrate: PS 1 Exterior Grade, A-C veneer grade, minimum 5-ply; minimum 3/4 inch thick; join lengths using metal splines.

B. Adhesives: Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.

2.3 FABRICATION

A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.

B. Provide back/end splash wherever counter edge abuts vertical surface unless otherwise indicated.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install counters in accordance with manufacturer's instructions and approved shop drawings

B. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.

C. Seal joint between back/end splashes and vertical surfaces.

3.2 TOLERANCES

A. Variation From Horizontal: 1/8 inch in 10 feet, maximum.

B. Field Joints: 1/8 inch wide, maximum.

3.3 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION 12 3600

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VCBO NUMBER: 20530.03
CLIENT NUMBER: 00000
DATE: AUGUST 27, 2025

STATE OF UTAH
WHITNEY WARD
No. 7716538-0301
REGISTERED ARCHITECT
7/31/2025

REV DATE DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

PROJECT SPECIFICATIONS

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CHAPTER 3 BUILDING BLOCK: 304 TURNING SPACE (EXISTING)

TURNING SPACES TO INCLUDE KNEE AND TOE CLEARANCES EXISTING BUILDINGS

304.3.2.2 EXISTING BUILDINGS AND FACILITIES
IN EXISTING BUILDINGS AND FACILITIES, THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60-INCH MINIMUM SQUARE, WITH ARMS AND BASE 36 INCHES MINIMUM IN WIDTH. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES MINIMUM IN EACH DIRECTION, AND THE BASE SHALL BE CLEAR OF OBSTRUCTION 24 INCHES MINIMUM.

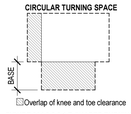

FIGURE 304.3.2.2.1 T-SHAPED TURNING SPACE - EXISTING BUILDINGS OVERLAP

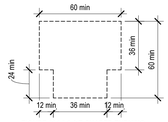

FIGURE 304.3.2.2 T-SHAPED TURNING SPACE EXISTING BUILDINGS - SIZE

CHAPTER 4 ACCESSIBLE ROUTES EXISTING BUILDINGS: 403 WALKING SURFACES (EXISTING)

403.5.2.2 EXISTING BUILDINGS AND FACILITIES
IN EXISTING BUILDINGS AND FACILITIES, WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN 48 INCHES IN WIDTH, CLEAR WIDTHS SHALL BE 42 INCHES MINIMUM APPROACHING THE TURN, 48 INCHES MINIMUM DURING THE TUM, AND 42 INCHES MINIMUM LEAVING THE TURN.

EXCEPTION: THIS SECTION SHALL NOT APPLY WHERE THE CLEAR WIDTH DURING THE TURN IS 60 INCHES MINIMUM.

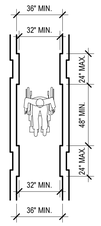

FIGURE 403.5.1(C) CLEAR WIDTH OF AN ACCESSIBLE ROUTE - EXISTING BUILDINGS - INTERIOR

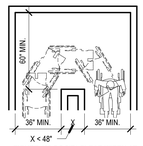

FIGURE 403.5.2.2(B) CLEAR WIDTH AT 180-DEGREE TURN EXISTING BUILDINGS

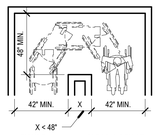

FIGURE 403.5.2.2(A) CLEAR WIDTH AT 180-DEGREE TURN EXISTING BUILDINGS

404 DOORS AND DOORWAYS (EXISTING)

404.2.3 MANEUVERING CLEARANCES
MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATED SHALL COMPLY WITH SECTION 404.2.3 MANEUVERING CLEARANCES SHALL INCLUDE THE FULL CLEAR OPENING WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.

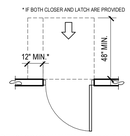

FIGURE 404.2.3.2(C) MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS FRONT APPROACH - PUSH SIDE - EXISTING BUILDINGS FOOTNOTE 5

404.2.3.4 DOORWAYS WITHOUT DOORS OR GATES
DOORWAYS WITHOUT DOORS OR GATES THAT ARE LESS THAN 36 INCHES IN WIDTH SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.3.4

TYPE OF USE		MINIMUM MANEUVERING CLEARANCES	
APPROACH DIRECTION	DOOR OR GATE SIDE	PERPENDICULAR TO DORWAY	PARALLEL TO DOORWAY (BEYOND LATCH UNLESS NOTED)
FROM FRONT	PULL	60 INCHES	18 INCHES
FROM FRONT	PUSH	52 INCHES	0 INCHES[3]
FROM HINGE SIDE	PULL	60 INCHES	36 INCHES
FROM HINGE SIDE	PULL	54 INCHES	42 INCHES
FROM HINGE SIDE	PUSH	42 INCHES	22 INCHES[4]
FROM LATCH SIDE	PULL	48 INCHES	24 INCHES
FROM LATCH SIDE	PUSH	42 INCHES	24 INCHES

TABLE 404.2.3.2 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

~~[3] IN EXISTING BUILDINGS AND FACILITIES THE DIMENSION PERPENDICULAR TO THE DOORWAY FOR THE FRONT DIRECTION SHALL BE 48 INCHES MINIMUM.~~

APPROACH DIRECTION	MINIMUM MANEUVERING CLEARANCES PERPENDICULAR DOORS OR GATE
FROM FRONT	52 INCHES
FROM SIDE	42 INCHES[1]

TABLE 404.2.3.4 MANEUVERING CLEARANCES FOR DOORWAYS WITHOUT DOORS OR GATE
*IN EXISTING BUILDINGS AND FACILITIES THE DIMENSION PERPENDICULAR TO THE DOORWAY FOR THE FRONT DIRECTION SHALL BE 48" MINIMUM.

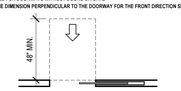

FIGURE 404.2.3.3(B) MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS - FRONT APPROACH - EXISTING BUILDING FOOTNOTE 2

404.2.3.5 RECESSED DOORS AND GATES
WHERE ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR OR GATE, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE, MANEUVERING CLEARANCES FOR A FORWARD APPROACH SHALL BE PROVIDED.

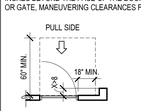

FIGURE 404.2.3.5(D) RECESSED DOORS AND GATES - EXISTING BUILDINGS PULL SIDE

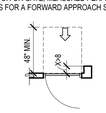

FIGURE 404.2.3.5(E) RECESSED DOORS AND GATE - EXISTING BUILDINGS PUSH SIDE

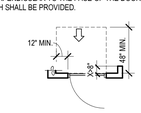

FIGURE 404.2.3.5(F) RECESSED DOORS AND GATES - EXISTING BUILDINGS PUSH SIDE - DOOR PROVIDED WITH BOTH CLOSER AND LATCH

NOTE: ALL DOORS IN ALCOVES SHALL COMPLY W/ THE CLEARANCES FOR FRONT APPROACHES

404.2.4 THRESHOLDS
IF PROVIDED, THRESHOLDS AT DOORWAYS SHALL BE ½ INCH MAXIMUM IN HEIGHT. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH SECTIONS 302 AND 303.

EXCEPTION: AN EXISTING OR ALTERED THRESHOLD SHALL BE PERMITTED TO BE ¾ INCH MAXIMUM IN HEIGHT PROVIDED THAT THE THRESHOLD HAS A BEVELED EDGE ON EACH SIDE WITH A MAXIMUM SLOPE OF 1:2 FOR THE HEIGHT EXCEEDING ¼ INCH.

404.2.5 TWO DOORS OR GATES IN SERIES
DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS OR GATES IN SERIES SHALL BE 48 INCHES MINIMUM PLUS THE WIDTH OF ANY DOOR OR GATE SWINGING INTO THE SPACE.THE SPACE BETWEEN THE DOORS AND GATES SHALL PROVIDE A TURNING SPACE.

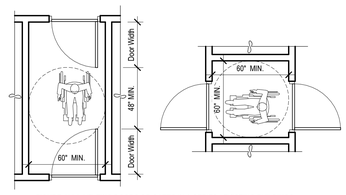

FIGURE 404.2.5(E) TWO DOORS OR GATES IN A SERIES - EXISTING BUILDINGS

409.ELEVATOR CAR REQUIREMENTS (EXISTING)

409.4.1 INSIDE DIMENSIONS
409.4.1.2 EXISTING BUILDINGS
IN EXISTING BUILDINGS, ELEVATOR CARS SHALL PROVIDE A CLEAR FLOOR AREA 36 INCHES MINIMUM IN WIDTH AND 48 INCHES MINIMUM IN DEPTH.
409.4.3 FLOOR SURFACES
FLOOR SURFACES IN ELEVATOR CARS SHALL COMPLY WITH SECTION 302.

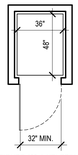

FIGURE 409.4.1(B) PRIVATE RESIDENCE ELEVATORS EXISTING BUILDINGS - CAR SIZE

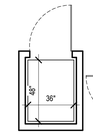

FIGURE 410.5.1.2 PLATFORM LEFTS- SIZE WITH SINGLE DOOR OR DOORS ON OPPOSITE ENDS - EXISTING BUILDINGS

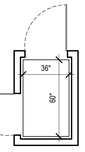

FIGURE 410.5.2.2 PLATFORM LIFT- SIZE WITH DOORS ON ADJACENT SIDES EXISTING BUILDINGS

410.5.2 PLATFORM LIFTS WITH DOORS ON ABJACENT SIDES

503 SECTION PASSENGER LOADING ZONES (EXISTING)

503.3.2 WIDTH
503.3.2.2 EXISTING BUILDINGS AND FACILITIES
IN EXISTING BUILDINGS AND FACILITIES, ACCESS AISLES SERVING VEHICLE PULL-UP SPACES SHALL BE 60 INCHES MINIMUM IN WIDTH.

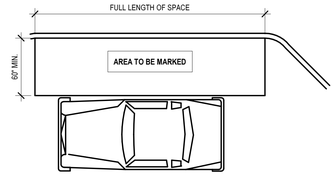

FIGURE 503.3(B) PASSENGER LOADING ZONE ACCESS AISLE - EXISTING BUILDINGS

608. SHOWER COMPARTMENTS (EXISTING)

608.2.1.2.2 EXISTING BUILDINGS AND FACILITIES
IN EXISTING BUILDINGS AND FACILITIES, A CLEARANCE OF 48 INCHES MINIMUM IN LENGTH MEASURED PERPENDICULAR FROM THE CONTROL WALL, AND 36 INCHES (915 MM) MINIMUM IN DEPTH SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE COMPARTMENT.

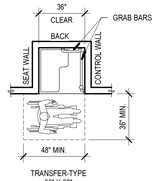

FIGURE 608.2.1.2(C) TRANSFER-TYPE SHOWER COMPARTMENT CLEARANCES EXISTING BUILDINGS

NOTES

1. THIS PROJECT MUST COMPLY WITH THE INFORMATION SHOWN ON THIS SHEET.
2. DIAGRAMS BASED ON 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.
3. NUMBERED DRAWINGS REFERENCE SECTION CODES FROM 2017 ICC A 117.1

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VCBO NUMBER: 20530.03
CLIENT NUMBER: 00000
DATE: AUGUST 27, 2025

STATE OF UTAH
WHITNEY WARD
No. 7716538-0301
REGISTERED ARCHITECT
7/31/2025

REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

TYPICAL ACCESSIBILITY STANDARDS FOR EXISTING BUILDINGS

G301E

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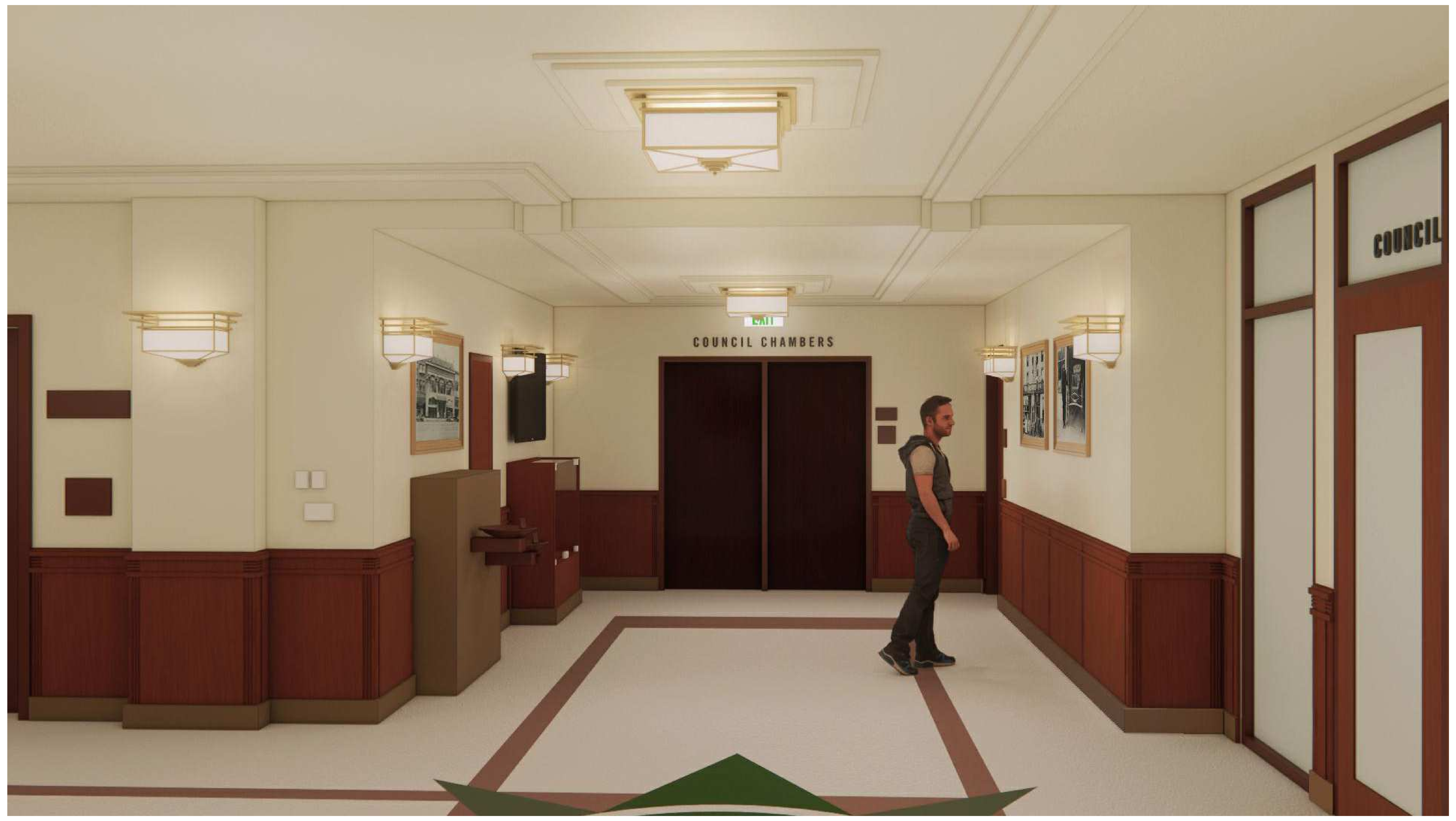
3D VIEW GENERAL NOTES

1. THREE DIMENSIONAL VIEWS SHOWN IN THIS SET OF DRAWINGS ARE PROVIDED TO HELP EXPLAIN THE OVERALL CONCEPT AND INTENT OF THE BUILDING DESIGN AND ARE TO BE USED FOR REFERENCE ONLY
2. BIDDERS ARE NOT TO USE THESE VIEWS TO DETERMINE COMPONENT TYPES, QUANTITIES, ASSEMBLY METHODS OR ANY OTHER INFORMATION WHICH RELATE TO CONSTRUCTION COST



C1 LOBBY NORTH
SCALE: NOT TO SCALE

C4 LOBBY EAST
SCALE: NOT TO SCALE

A1 LOBBY SOUTH
SCALE: NOT TO SCALE

A4 LOBBY WEST
SCALE: NOT TO SCALE

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WHITNEY WARD
No. 7716538-0301
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[illegible]
9/3/2025

REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL
2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

FOR REFERENCE ONLY - PERSPECTIVE VIEWS

G401

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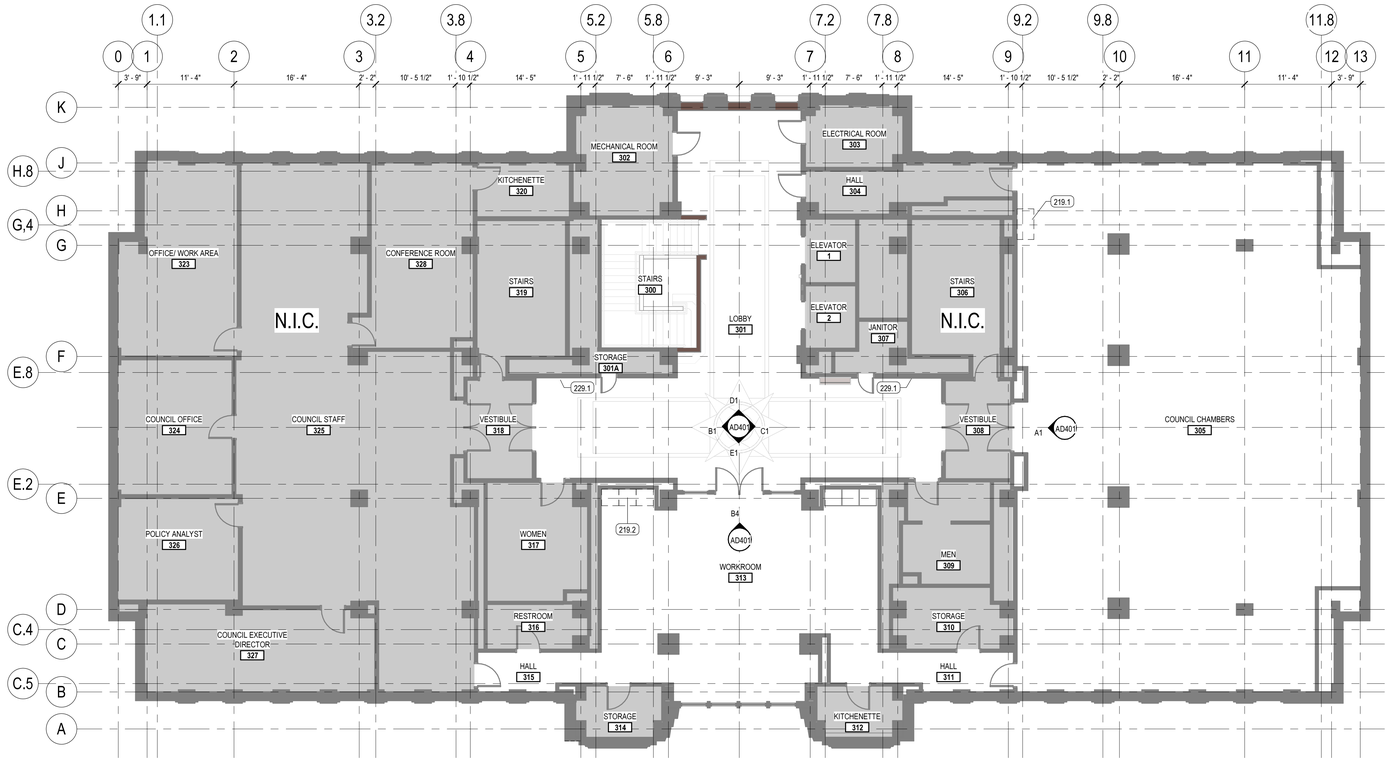
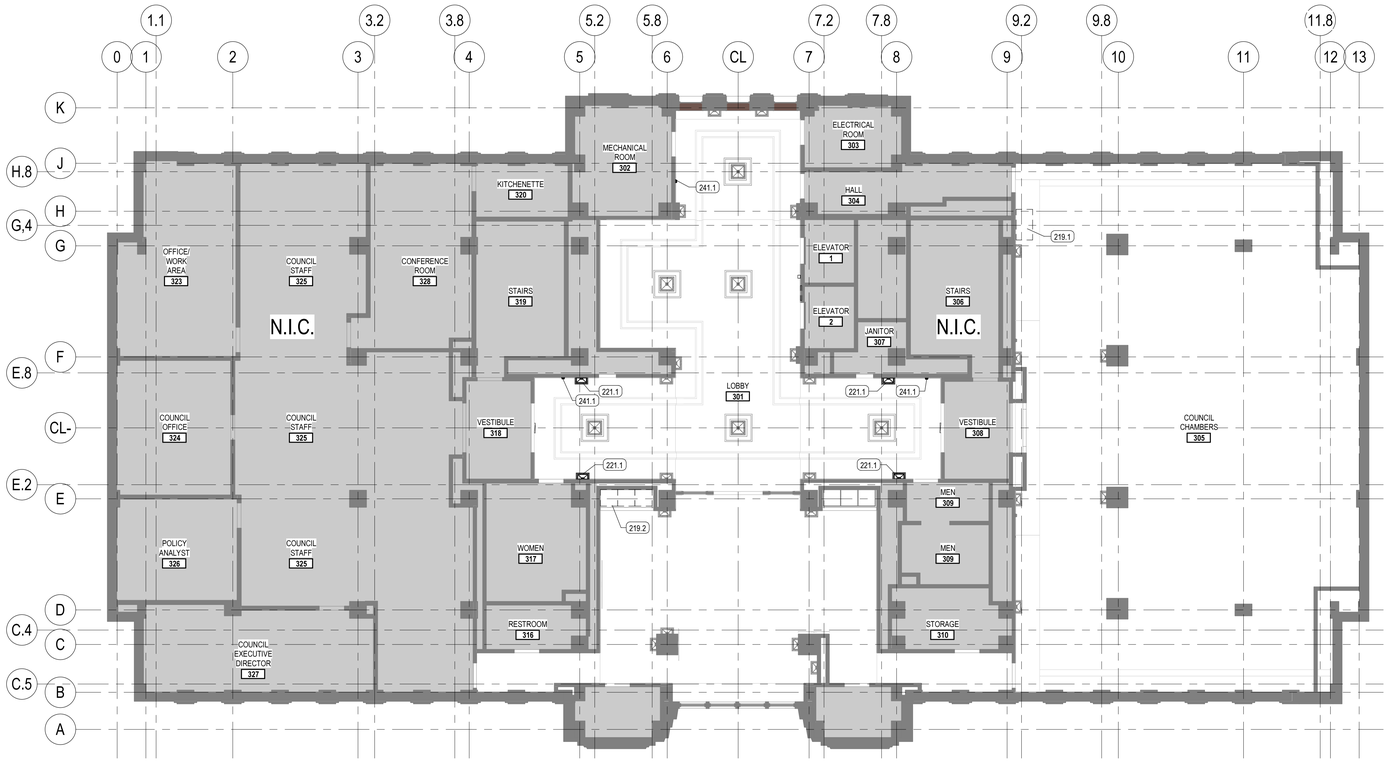


1 PLAN -LEVEL 03 - DEMOLITION

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

NORTH



2 RCP - LEVEL 03 - DEMOLITION

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

NORTH

GENERAL DEMOLITION NOTES

1. FIELD VERIFY DIMENSIONS AND CONDITIONS INCLUDING EXISTING UTILITIES PRIOR TO BIDDING. BRING DIFFERING DIMENSIONS AND CONDITIONS TO ARCHITECT'S ATTENTION PRIOR TO BIDDING.
2. PROVIDE DUSTPROOF ENCLOSURES AT PERIMETER OF CONSTRUCTION & DEMOLITION FOR PROTECTION OF ADJACENT SPACES.
3. COORDINATE MAINTENANCE OF FIRE EGRESS FOR OCCUPANTS IN EXISTING BUILDING WITH THE OWNER AND FIRE MARSHAL. PROVIDE NECESSARY TEMPORARY WALLS OR ENCLOSURES, EMERGENCY LIGHTS, ETC., FOR THE DURATION OF CONSTRUCTION.
4. BRING TO ARCHITECT'S ATTENTION EXISTING CONDITIONS THAT PRESENT ANY CODE VIOLATIONS, INCORRECT CONSTRUCTION OR SAFETY PROBLEMS.
5. MAINTAIN EXISTING FIRE RATINGS, AND ASSOCIATED FIRE PROTECTION SYSTEMS (I.E. FIRE SPRINKLERS AND FIRE ALARM SYSTEMS) THROUGHOUT CONSTRUCTION. COORDINATE ANY INTERRUPTION TO THESE SYSTEMS WITH THE OWNER AND FIRE MARSHAL. PROVIDE FIRE WATCH REQUIREMENTS ASSOCIATED WITH INTERRUPTIONS TO THESE SYSTEMS.
6. PROTECT EXISTING STRUCTURE, FINISHES, AND SITE ELEMENTS NOT SCHEDULED FOR DEMOLITION. RESTORE DAMAGED ITEMS TO THEIR ORIGINAL CONDITION OR REPLACE AT CONTRACTOR'S EXPENSE.
7. REMOVE AND DISPOSE SELECTIVE DEMOLITION MATERIAL PER CITY REQUIREMENTS.
8. SALVAGE MATERIAL WHERE INDICATED. REMOVE ITEMS FROM CURRENT LOCATIONS & PREPARE FOR TRANSPORT BY THE OWNER.

GENERAL PLAN DEMOLITION NOTES

1. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR REQUIRED ADDITIONAL DEMOLITION
2. MAINTAIN EXISTING FIRE RATINGS THROUGHOUT CONSTRUCTION
3. DO NOT DISTURB EXISTING FIRE RATED ELEMENTS INCLUDING FIREPROOFING. PATCH/REPAIR DAMAGED OR DISTURBED ITEMS.
4. AFTER DEMOLITION, PRIOR TO FINISH, PATCH AND REPAIR EXISTING WALLS TO PROVIDE SMOOTH SURFACE SUITABLE FOR PAINTING OR WALL COVERING.
5. PATCH & LEVEL EXISTING CONCRETE SLABS FOR NEW FINISHES WITH FLOOR LEVELING COMPOUND.
6. FIELD VERIFY AND COORDINATE SAW CUTTING OF THE CONCRETE FLOOR SLAB WITH PLUMBING AND ELECTRICAL.
7. WHERE ELECTRICAL CIRCUIT CONTINUITY IS INTERRUPTED, BUT MUST BE MAINTAINED, MAKE NECESSARY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
8. REMOVE ELECTRICAL BOXES BEHIND RELOCATED MILLWORK AND CAP AS REQUIRED.
9. CAP EXISTING DUCT WORK THAT EXTENDS FROM AND TO AREAS UNAFFECTED BY DEMOLITION FOR DUST CONTROL.

DEMOLITION LEGEND

- HALF-TONE LINE DENOTES ITEMS TO REMAIN
- DASHED LINE DENOTES ITEMS TO BE DEMOLISHED
- AREA TO REMAIN UNDISTURBED DURING CONSTRUCTION

KEYED NOTES

219.1	EXISTING DISPLAY CASE. REMOVE AND SAVE TO OWNER'S STOCK, TAKING CARE NOT TO DAMAGE WALL OR WAINSCOT BEHIND CASE
219.2	EXISTING MILLWORK, REMOVE AND DISPOSE. PROTECT ADJACENT WALLS AND SOFFIT
221.1	EXISTING LIGHT FIXTURE, REMOVE AND SAVE FOR RELOCATION
229.1	PARTIALLY REMOVE EXISTING WAINSCOT AND BASE, ONLY AS NEEDED TO INSTALL NEW DISPLAY CASE. PROTECT ADJACENT WAINSCOT AND BASE
241.1	EXISTING FIRE ALARM HORN/STROBE, REMOVE AND SAVE FOR RELOCATION

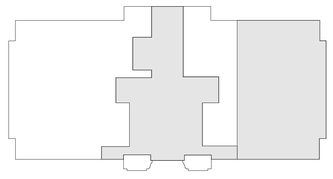
CEILING SYMBOLS

CEILING TYPE
X | X' - X"
CEILING HEIGHT
CEILING TAG

ELECTRICAL

- EXISTING CEILING MOUNTED LIGHT FIXTURE
- WALL SCONCE - EXISTING OR RELOCATED, SEE ELECTRICAL DRAWINGS
- EXIT SIGN, SEE ELECTRICAL DRAWINGS
- FIRE ALARM/ STROBE, SEE ELECTRICAL DRAWINGS

KEY PLAN



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WHITNEY WARD
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7/31/2025

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OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

DEMOLITION PLANS - LEVEL 3

AD130

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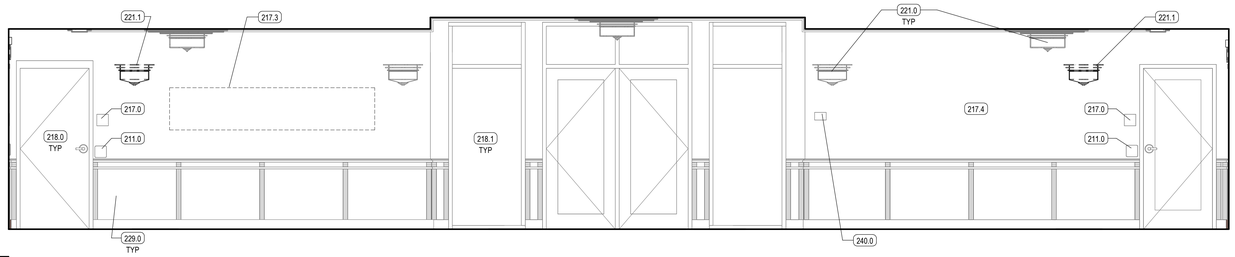
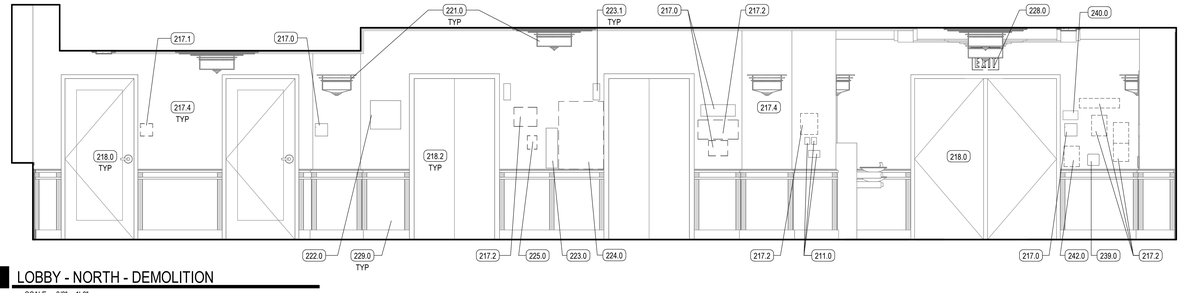


E1 LOBBY - EAST - DEMOLITION

SCALE: 3/8" = 1'-0"

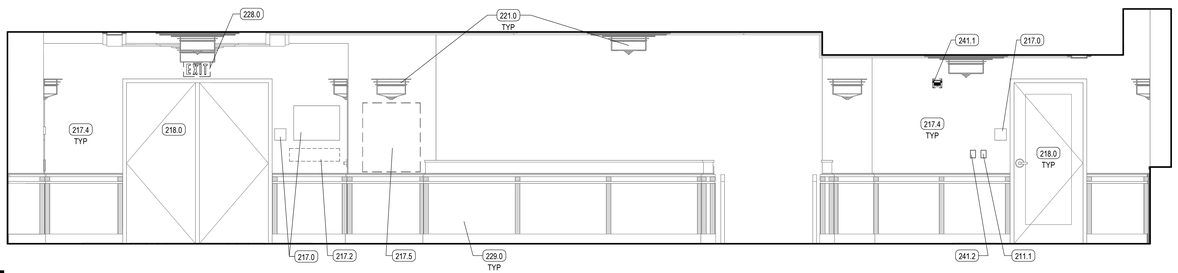
D1 LOBBY - WEST - DEMOLITION

SCALE: 3/8" = 1'-0"



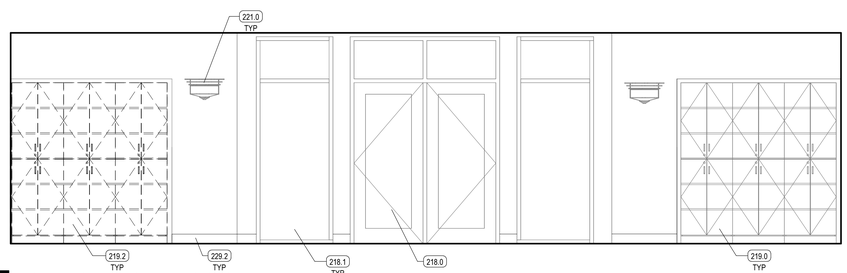
C1 LOBBY - NORTH - DEMOLITION

SCALE: 3/8" = 1'-0"



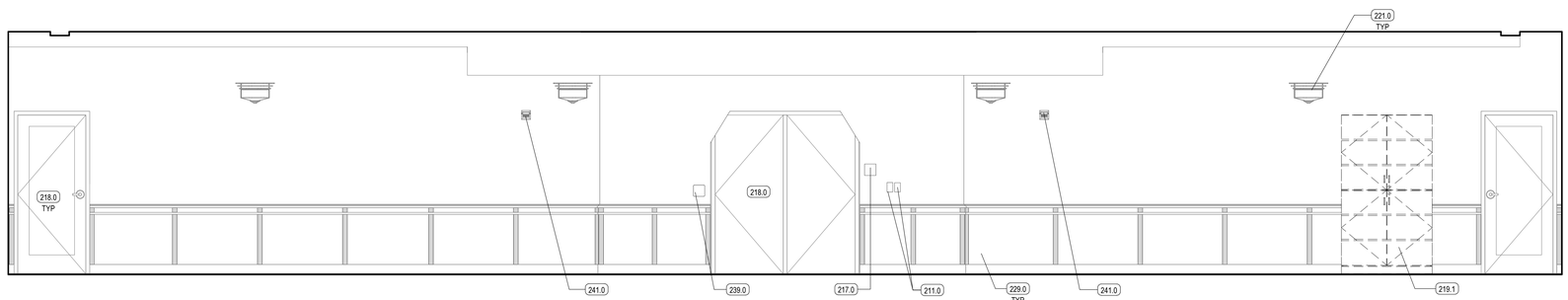
B1 LOBBY - SOUTH - DEMOLITION

SCALE: 3/8" = 1'-0"



B4 WORKROOM - WEST - DEMOLITION

SCALE: 3/8" = 1'-0"



A1 COUNCIL CHAMBERS - SOUTH - DEMOLITION

SCALE: 3/8" = 1'-0"

KEY NOTES

211.0	EXISTING ELECTRICAL DEVICE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
211.1	EXISTING ELECTRICAL DEVICE, REMOVE AND SAVE FOR RELOCATION
217.0	EXISTING SIGNAGE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
217.1	EXISTING SIGNAGE, REMOVE AND SAVE FOR RELOCATION
217.2	EXISTING SIGNAGE, REMOVE AND DISPOSE
217.3	EXISTING LETTERING AND PHOTOGRAPHS, REMOVE AND SAVE FOR OWNER
217.4	REMOVE ANY REMAINING PHOTOGRAPHS/ARTWORK AND SAVE FOR OWNER
217.5	EXISTING SIGNAGE, REMOVE AND SAVE FOR OWNER
218.0	EXISTING DOOR, PROTECT AS NECESSARY, REPAIR AS REQUIRED
218.1	EXISTING WINDOW, PROTECT AS NECESSARY, REPAIR AS REQUIRED
218.2	EXISTING ELEVATOR DOORS, PROTECT AS NECESSARY, REPAIR AS REQUIRED
219.0	EXISTING MILLWORK, PROTECT AS NECESSARY, REPAIR AS REQUIRED
219.1	EXISTING DISPLAY CASE, REMOVE AND SAVE TO OWNER'S STOCK, TAKING CARE NOT TO DAMAGE WALL OR WAINSCOT BEHIND CASE
219.2	EXISTING MILLWORK, REMOVE AND DISPOSE. PROTECT ADJACENT WALLS AND SOFFIT
221.0	EXISTING LIGHT FIXTURE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
221.1	EXISTING LIGHT FIXTURE, REMOVE AND SAVE FOR RELOCATION
222.0	EXISTING DEFIBRILLATOR CASE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
223.0	EXISTING ELEVATOR CONTROLS, PROTECT AS NECESSARY, REPAIR AS REQUIRED
223.1	EXISTING ELEVATOR FLOOR INDICATOR, PROTECT AS NECESSARY, REPAIR AS REQUIRED
224.0	EXISTING BULLETIN BOARD, REMOVE AND DISPOSE
225.0	EXISTING HAND SANITIZER DISPENSER, REMOVE AND DISPOSE
226.0	EXISTING DRINKING FOUNTAIN AND SURROUND, PROTECT AS NECESSARY, REPAIR AS REQUIRED
228.0	EXISTING EXIT SIGN, REMOVE AND DISPOSE
229.0	EXISTING WAINSCOT AND BASE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
229.1	PARTIALLY REMOVE EXISTING WAINSCOT AND BASE, ONLY AS NEEDED TO INSTALL NEW DISPLAY CASE. PROTECT ADJACENT WAINSCOT AND BASE
229.2	EXISTING STONE BASE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
239.0	EXISTING ADA DOOR ACTUATOR, PROTECT AS NECESSARY, REPAIR AS REQUIRED
240.0	EXISTING ROOM SCHEDULER, PROTECT AS NECESSARY, REPAIR AS REQUIRED
241.0	EXISTING FIRE ALARM HORN/STROBE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
241.1	EXISTING FIRE ALARM HORN/STROBE, REMOVE AND SAVE FOR RELOCATION
241.2	EXISTING FIRE FIGHTERS TELEPHONE PLATE, REMOVE AND SAVE FOR RELOCATION
242.0	EXISTING MAGAZINE/BROCHURE DISPLAY, REMOVE AND DISPOSE

GENERAL DEMOLITION NOTES

1. FIELD VERIFY DIMENSIONS AND CONDITIONS INCLUDING EXISTING UTILITIES PRIOR TO BIDDING. BRING DIFFERING DIMENSIONS AND CONDITIONS TO ARCHITECT'S ATTENTION PRIOR TO BIDDING.
2. PROVIDE DUSTPROOF ENCLOSURES AT PERIMETER OF CONSTRUCTION & DEMOLITION FOR PROTECTION OF ADJACENT SPACES.
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4. BRING TO ARCHITECT'S ATTENTION EXISTING CONDITIONS THAT PRESENT ANY CODE VIOLATIONS, INCORRECT CONSTRUCTION OR SAFETY PROBLEMS.
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7. REMOVE AND DISPOSE SELECTIVE DEMOLITION MATERIAL PER CITY REQUIREMENTS.
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GENERAL PLAN DEMOLITION NOTES

1. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR REQUIRED ADDITIONAL DEMOLITION
2. MAINTAIN EXISTING FIRE RATINGS THROUGHOUT CONSTRUCTION
3. DO NOT DISTURB EXISTING FIRE RATED ELEMENTS INCLUDING FIREPROOFING. PATCH/REPAIR DAMAGED OR DISTURBED ITEMS.
4. AFTER DEMOLITION, PRIOR TO FINISH, PATCH AND REPAIR EXISTING WALLS TO PROVIDE SMOOTH SURFACE SUITABLE FOR PAINTING OR WALL COVERING.
5. PATCH & LEVEL EXISTING CONCRETE SLABS FOR NEW FINISHES WITH FLOOR LEVELING COMPOUND.
6. FIELD VERIFY AND COORDINATE SAW CUTTING OF THE CONCRETE FLOOR SLAB WITH PLUMBING AND ELECTRICAL.
7. WHERE ELECTRICAL CIRCUIT CONTINUITY IS INTERRUPTED, BUT MUST BE MAINTAINED, MAKE NECESSARY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
8. REMOVE ELECTRICAL BOXES BEHIND RELOCATED MILLWORK AND CAP AS REQUIRED.
9. CAP EXISTING DUCT WORK THAT EXTENDS FROM AND TO AREAS UNAFFECTED BY DEMOLITION FOR DUST CONTROL.

DEMOLITION LEGEND

- HALF-TONE LINE DENOTES ITEMS TO REMAIN
- DASHED LINE DENOTES ITEMS TO BE DEMOLISHED
- AREA TO REMAIN UNDISTURBED DURING CONSTRUCTION

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No. 7716538-0301
REGISTERED ARCHITECT
7/31/2025

REV DATE DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

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BID PACKAGE

DEMO INTERIOR ELEVATIONS

AD401

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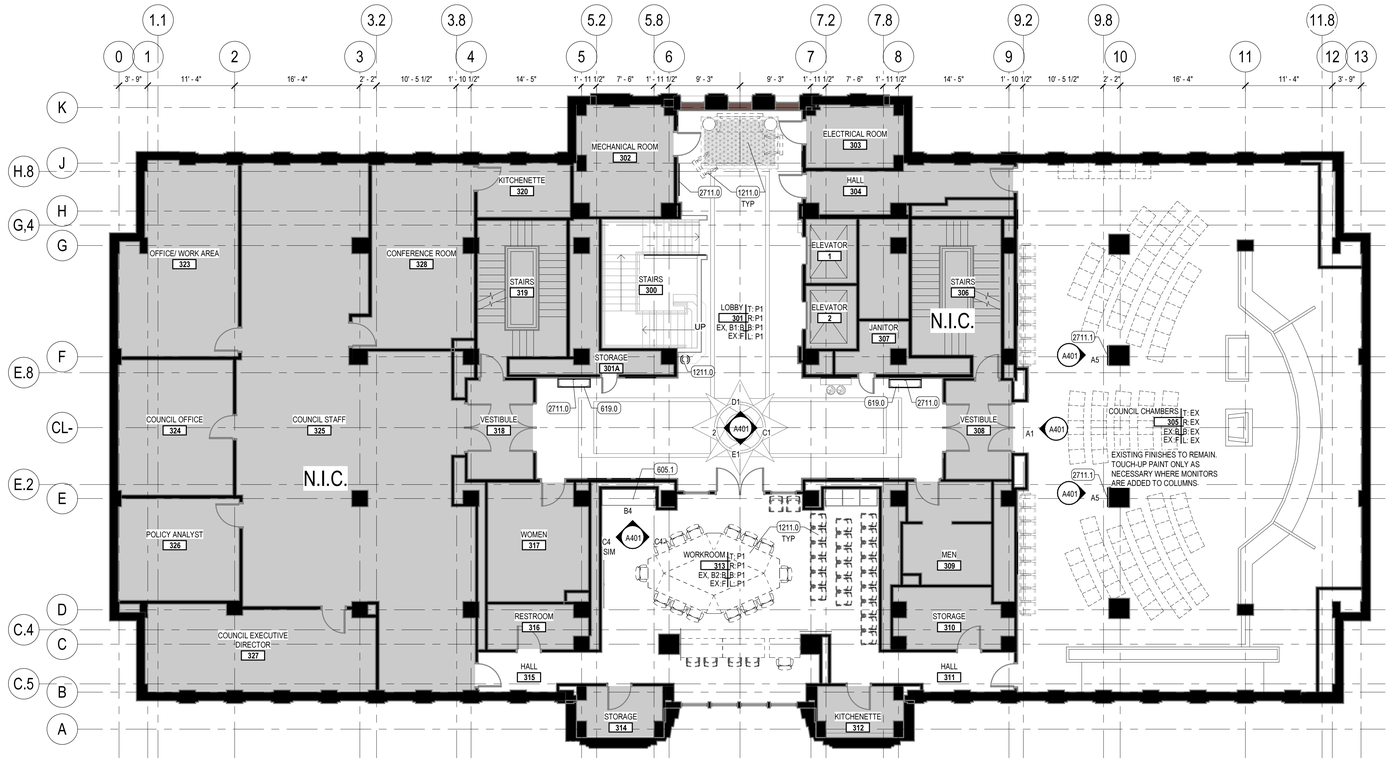
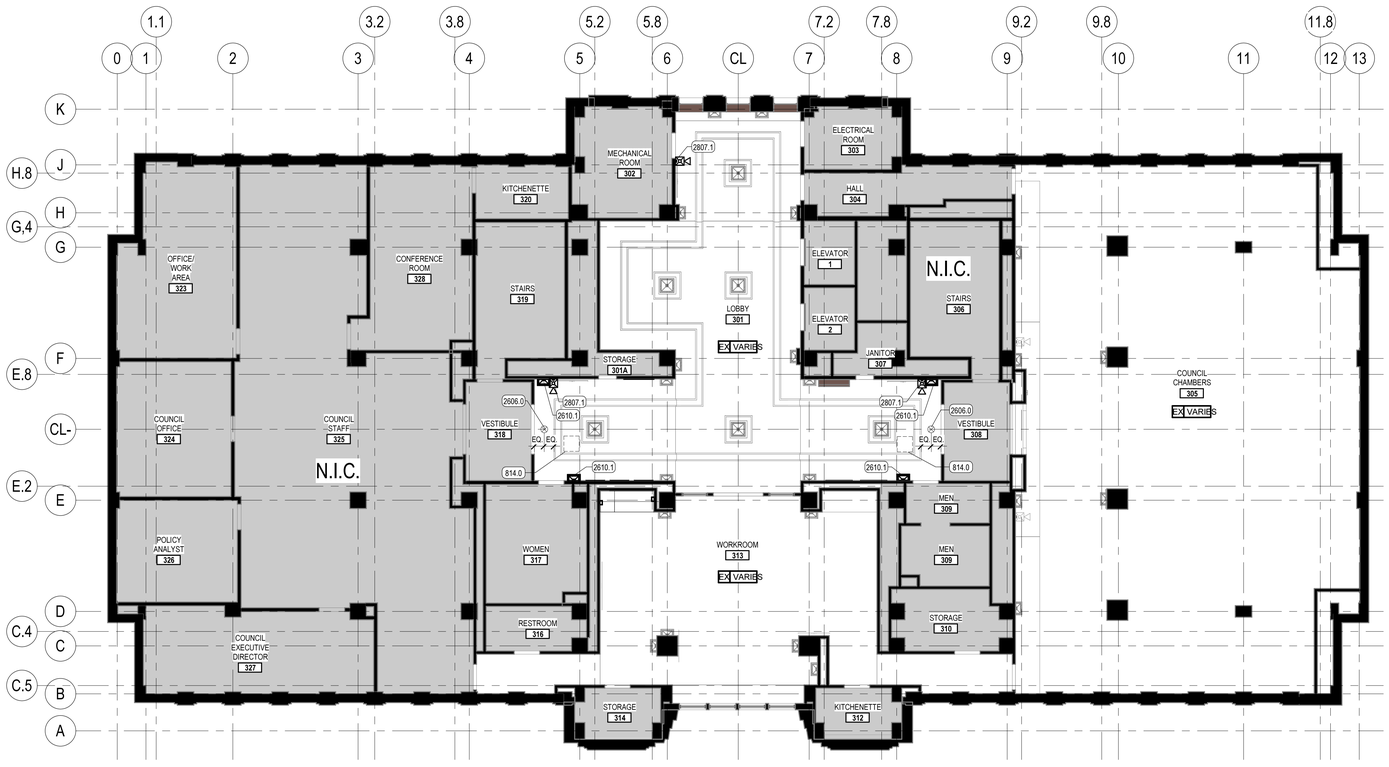


C1 PLAN - LEVEL 03 - ANNOTATED

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

NORTH



A1 RCP LEVEL 03

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

NORTH

FINISH KEY

MARK	DESCRIPTION	MANUFACTURER	NAME	COLOR/ FINISH	COMMENTS
FLOOR					
EX	EXISTING FLOOR	-	-	-	EXISTING FLOOR TO REMAIN- PROTECT DURING DEMOLITION
BASE					
B2	HARDWOOD BASE	-	HARDWOOD BASE	MATCH COLOR AND GRAIN OF ADJACENT EXISTING WOOD BASE	AT TOE KICK OF NEW CABINET. MATCH S3
EX	EXISTING BASE		-	-	EXISTING BASE FINISH TO REMAIN
PAINT					
EX	EXISTING PAINT	-	-	-	PROTECT EXISTING PAINT TO REMAIN. TOUCH-UP AS NEEDED
P1	GENERAL PAINT	SHERWIN WILLIAMS	PROMAR 200, ZERO VOC, LATEX, EGGSHELL	CUSTOM COLOR TO MATCH BUILDING STANDARD,	COLOR FORMULA AVAILABLE ON REQUEST. PROVIDE DRAW-DOWN FOR REVIEW PRIOR TO PAINTING.
SURFACE					
S1	WOOD FINISH - VENEER AND SOLID TRIM	-	WOOD FINISH - CUSTOM MATCH TO EXISTING WOOD WAINSCOT IN LOBBY	MATCH COLOR AND GRAIN OF EXISTING WOOD CABINETS	PROVIDE SAMPLES FOR REVIEW PRIOR TO INSTALLATION
S2	COUNTERTOP AND BACKSPLASH	HANSTONE QUARTZ	QUARTZ SURFACE	WALNUT LUSTER MV616	2CM THICK, POLISHED
S3	WOOD FINISH - VENEER AND SOLID TRIM	-	WOOD FINISH - CUSTOM MATCH TO EXISTING CABINETS IN WORKROOM	MATCH COLOR AND GRAIN OF EXISTING WOOD CABINETS	PROVIDE SAMPLES FOR REVIEW PRIOR TO INSTALLATION

GENERAL FINISH NOTES

1. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF MILLWORK.
2. ALL NEW WOOD TRIM AND WOOD VENEER TO MATCH COLOR AND GRAIN OF EXISTING WOOD TRIM.
3. TRANSITIONS BETWEEN NEW AND EXISTING MILLWORK SHOULD BE WELL EXECUTED SO THAT NEW MILLWORK LOOKS LIKE A CONTINUATION OF THE EXISTING.
4. ALL COUNTERTOP AND BACKSPLASHES TO HAVE COORDINATING FINISHES.
5. PROVIDE A LEVEL 5 FINISH ON WALL AREAS THAT HAVE BEEN PATCHED/REPAIRED, AND A SMOOTH TRANSITION BETWEEN EXISTING WALLS AND ANY PATCHES.
6. EXISTING STRIPES AT LOBBY WALLS WILL BE REMOVED ON LEVEL 3 ONLY.

SYMBOL LEGEND

ROOM NAME / ROOM NUMBER / BASE / FLOOR — NAME | T: WB | R: WB | B: WB | L: WB — TOP WALL / RIGHT WALL / BOTTOM WALL / LEFT WALL

F — SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION. SEE FINISH KEY ON SHEET A130

INDICATES DIRECTION OF GRAIN ON WOOD VENEER OR OTHER DIRECTIONAL FINISHES

KEY NOTES

605.1	MILLWORK, WALL MOUNTED BASE CABINET WITH BLOCKING
619.0	MILLWORK, DISPLAY CASE
814.0	OPTIONAL 24"X24" ACCESS PANEL. INSTALL ONLY IF NEEDED FOR INSTALLATION OF NEW MONITORS IN HALLWAY
1211.0	FURNITURE, NIC
2606.0	EXIT SIGN, CEILING MOUNTED
2610.1	LIGHT FIXTURE, EXISTING RELOCATED
2711.0	WALL MOUNTED VIDEO MONITOR, 55 INCH
2711.1	VERTICAL WALL MOUNTED VIDEO MONITOR, 40 INCH
2807.1	FIRE ALARM HORN/STROBE, EXISTING RELOCATED

GENERAL CEILING NOTES

1. ALL UNIDENTIFIED CEILING TYPES ON THE PLANS SHALL BE TYPE " A" AT 9'-4" A.F.F.
2. GRID SUSPENSION SYSTEMS SHALL BE CENTERED WITHIN AREAS INDICATED, UNLESS NOTED OTHERWISE
3. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF MECHANICAL GRILLES, AND TO MECHANICAL DRAWINGS FOR QUANTITIES AND TYPES
4. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES
5. MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE WORK WITH SPRINKLER CONTRACTOR TO AVOID CONFLICTS IN FIELD
6. ALL CEILING HEIGHTS ARE ELEVATION ABOVE TOP OF CONCRETE FLOOR SLAB
7. AT SOFFITS RECEIVING COLOR- PAINT ALL SIDES OF SOFFIT.

CEILING LEGEND

- A. SUSPENDED 2' X 2' ACOUSTICAL LAY-IN TILE CEILING. REFER TO DETAIL **C6/A530** FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING
- B SUSPENDED 2' X 4' ACOUSTICAL LAY-IN TILE CEILING. REFER TO DETAIL **C6/A530** FOR TYPICAL CEILING SUSPENSION & SEISMIC BRACING
- C. SUSPENDED 5/8" GYP. BD. CEILING SYSTEM - PAINT. REFER TO DETAIL **A6/A530** FOR TYPICAL SUSPENDED GYP. BOARD CEILINGS
- EX EXISTING CEILING TO REMAIN - CONSTRUCTION VARIES

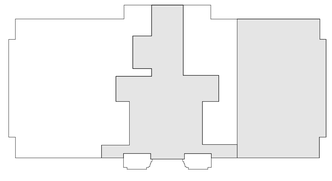
CEILING SYMBOLS

X / X' - X" — CEILING TYPE / CEILING TAG / CEILING HEIGHT

ELECTRICAL

- EXISTING CEILING MOUNTED LIGHT FIXTURE
- WALL SCONCE - EXISTING OR RELOCATED, SEE ELECTRICAL DRAWINGS
- EXIT SIGN, SEE ELECTRICAL DRAWINGS
- FIRE ALARM/ STROBE, SEE ELECTRICAL DRAWINGS

KEY PLAN



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VCBO NUMBER: 20530.03
CLIENT NUMBER: 00000
DATE: AUGUST 27, 2025

STATE OF UTAH — WHITNEY WARD — No. 7716539-0301 — REGISTERED ARCHITECT — 7/31/2025

REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

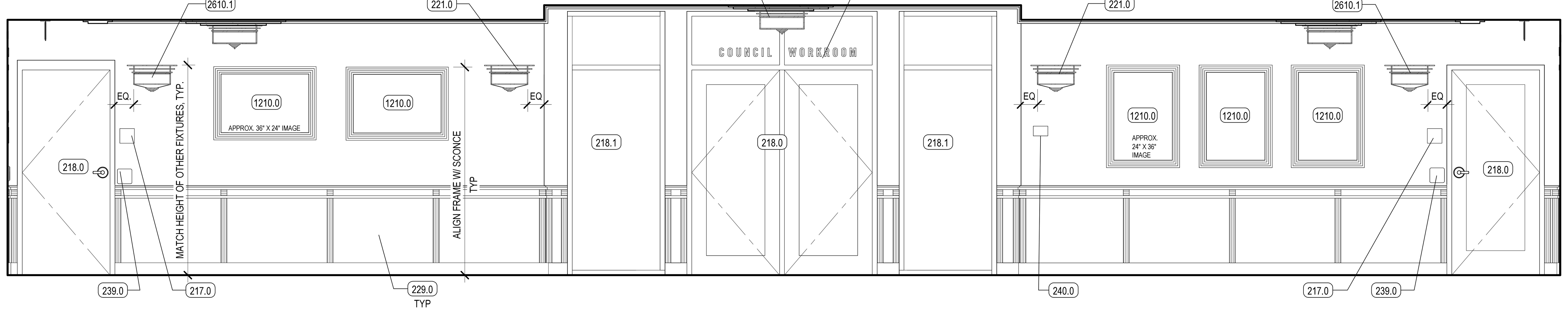
2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

FLOOR AND REFLECTED CEILING PLANS - LEVEL 3

A130

9/4/2025 11:13:52 AM

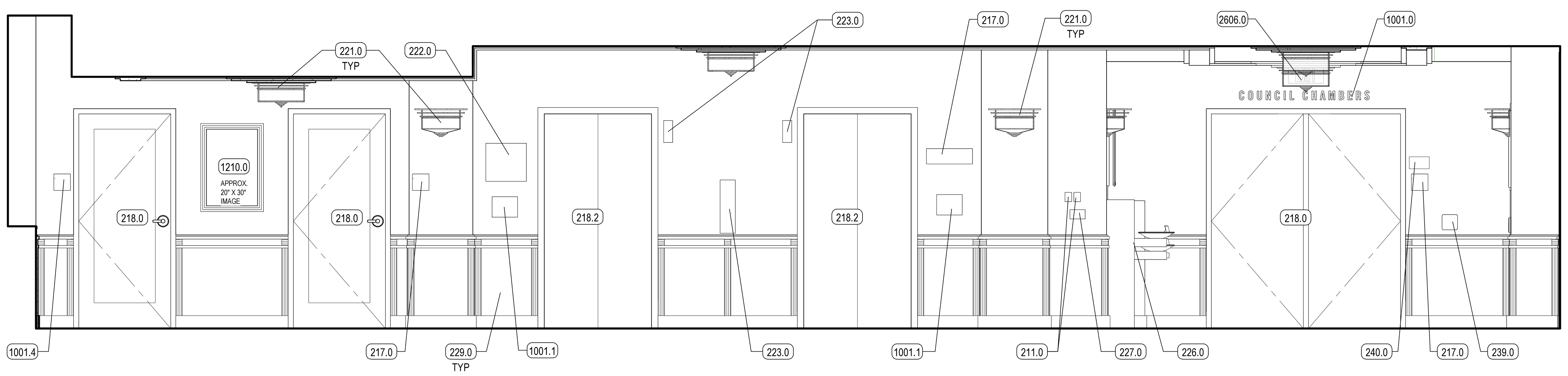


E1 LOBBY - EAST

SCALE: 3/8" = 1'-0"

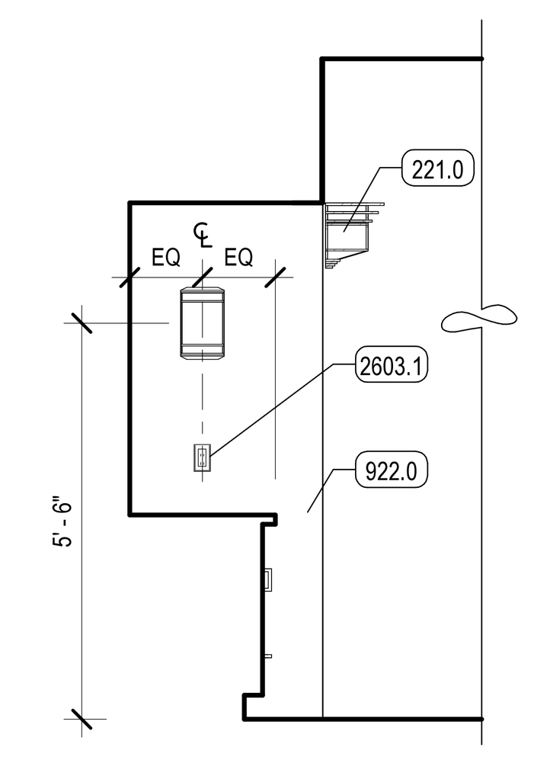
D1 LOBBY - WEST

SCALE: 3/8" = 1'-0"



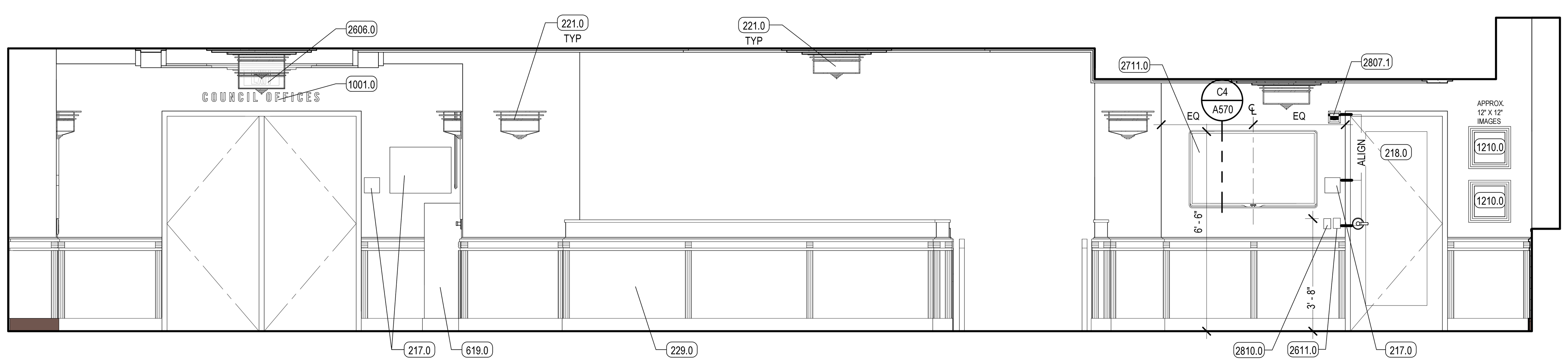
C1 LOBBY - NORTH

SCALE: 3/8" = 1'-0"



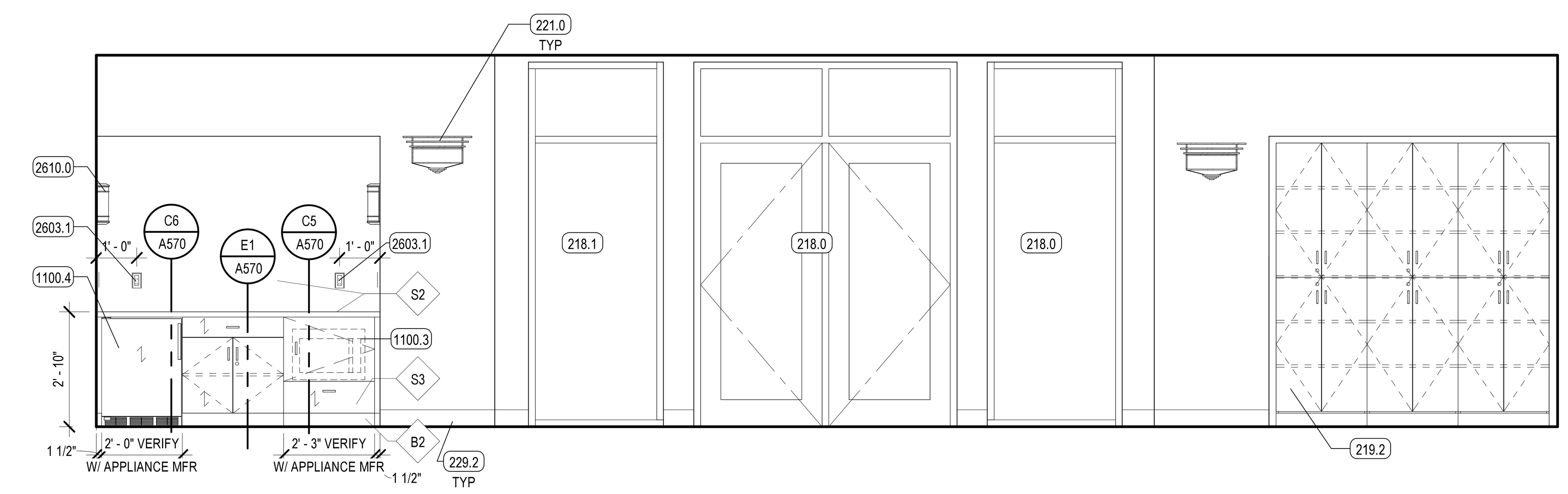
C4 WORKROOM BUFFET ALCOVE

SCALE: 3/8" = 1'-0"



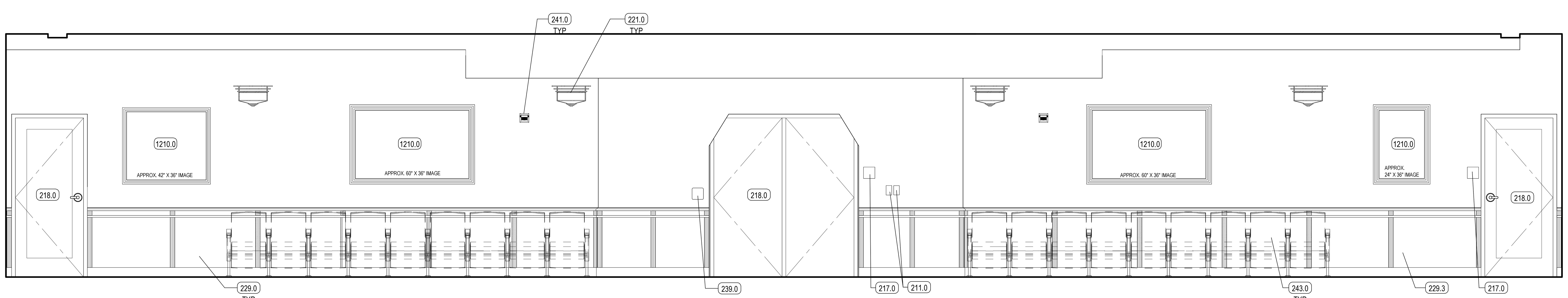
2 LOBBY - SOUTH

SCALE: 3/8" = 1'-0"



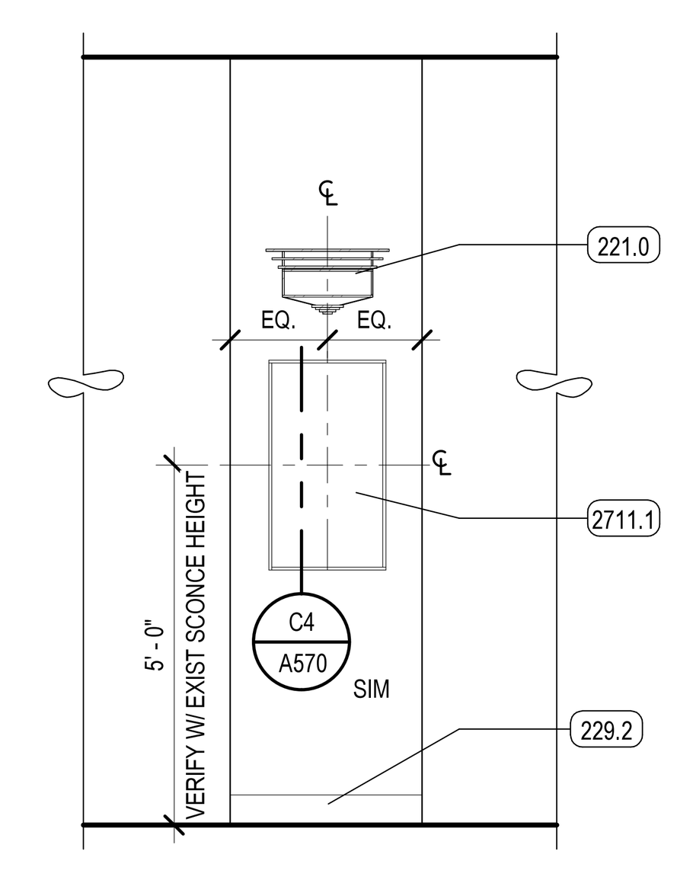
B4 WORKROOM - WEST

SCALE: 3/8" = 1'-0"



A1 COUNCIL CHAMBERS - SOUTH

SCALE: 3/8" = 1'-0"



A5 TYPICAL COLUMN-MOUNTED MONITOR

SCALE: 3/8" = 1'-0"

KEY NOTES

211.0	EXISTING ELECTRICAL DEVICE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
217.0	EXISTING SIGNAGE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
218.0	EXISTING DOOR, PROTECT AS NECESSARY, REPAIR AS REQUIRED
218.1	EXISTING WINDOW, PROTECT AS NECESSARY, REPAIR AS REQUIRED
218.2	EXISTING ELEVATOR DOORS, PROTECT AS NECESSARY, REPAIR AS REQUIRED
219.2	EXISTING MILLWORK, REMOVE AND DISPOSE. PROTECT ADJACENT WALLS AND SOFFIT
221.0	EXISTING LIGHT FIXTURE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
222.0	EXISTING DEFIBRILLATOR CASE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
223.0	EXISTING ELEVATOR CONTROLS, PROTECT AS NECESSARY, REPAIR AS REQUIRED
226.0	EXISTING DRINKING FOUNTAIN AND SURROUND, PROTECT AS NECESSARY, REPAIR AS REQUIRED
227.0	EXISTING SECURITY ALARM, PROTECT AS NECESSARY, REPAIR AS REQUIRED
229.0	EXISTING WAINSCOT AND BASE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
229.2	EXISTING STONE BASE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
229.3	EXISTING WAINSCOT AND BASE. REPAIR OR RECONSTRUCT AS NEEDED AFTER REMOVING EXISTING DISPLAY CASE
239.0	EXISTING ADA DOOR ACTUATOR, PROTECT AS NECESSARY, REPAIR AS REQUIRED
240.0	EXISTING ROOM SCHEDULER, PROTECT AS NECESSARY, REPAIR AS REQUIRED
241.0	EXISTING FIRE ALARM HORN/STROBE, PROTECT AS NECESSARY, REPAIR AS REQUIRED
243.0	EXISTING FIXED SEATING, PROTECT AS NECESSARY, REPAIR AS REQUIRED
618.0	NEW VERTICAL MILLWORK TRIM. MATCH PROFILE AND FINISH OF EXISTING VERTICAL TRIM.
619.0	MILLWORK, DISPLAY CASE
922.0	FACE OF WALL BEYOND
1001.0	NEW SIGNAGE, 3-1/2" x 1/2" NATURAL BRUSHED BRONZE FINISH LTRS
1001.1	NEW SIGNAGE, 10" x 8" PRINTED ROWMARK, ART BY ARCHITECT, MATCH EXISTING COLORS
1001.4	SIGNAGE, EXISTING, RELOCATED
1100.3	COUNTERTOP MICROWAVE
1100.4	ADA HEIGHT UNDER-COUNTER REFRIGERATOR WITH LOCK. FACE ACCEPTS A MILLWORK PANEL
1210.0	FRAMED, DIGITALLY PRINTED PHOTOGRAPHS, SEE SIGNAGE SPECIFICATIONS
2603.1	POWER OUTLET
2606.0	EXIT SIGN, CEILING MOUNTED
2610.0	LIGHT FIXTURE
2610.1	LIGHT FIXTURE, EXISTING RELOCATED
2611.0	EXISTING ELECTRICAL DEVICE, RELOCATED
2711.0	WALL MOUNTED VIDEO MONITOR, 55 INCH
2711.1	VERTICAL WALL MOUNTED VIDEO MONITOR, 40 INCH
2807.1	FIRE ALARM HORN/STROBE, EXISTING RELOCATED
2810.0	EXISTING FIRE FIGHTERS TELEPHONE CONNECTION, RELOCATED

SYMBOL LEGEND

ROOM NAME / ROOM NUMBER / BASE / FLOOR — NAME, #, B# :B, F# :F — T: W#, R: W#, B: W#, L: W# — TOP WALL / RIGHT WALL / BOTTOM WALL / LEFT WALL

F — SINGLE FINISH SYMBOLS INDICATE WHERE FINISHES ARE DIFFERENT FROM GENERAL ROOM FINISHES, OR PROVIDE ADDITIONAL FINISH INFORMATION. SEE FINISH KEY ON SHEET A130

INDICATES DIRECTION OF GRAIN ON WOOD VENEER OR OTHER DIRECTIONAL FINISHES

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VCBO NUMBER: 20530.03
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STATE OF UTAH
WHITNEY WARD
No. 7716538-0301
LICENSED ARCHITECT
[illegible]
9/3/2025

REV DATE DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

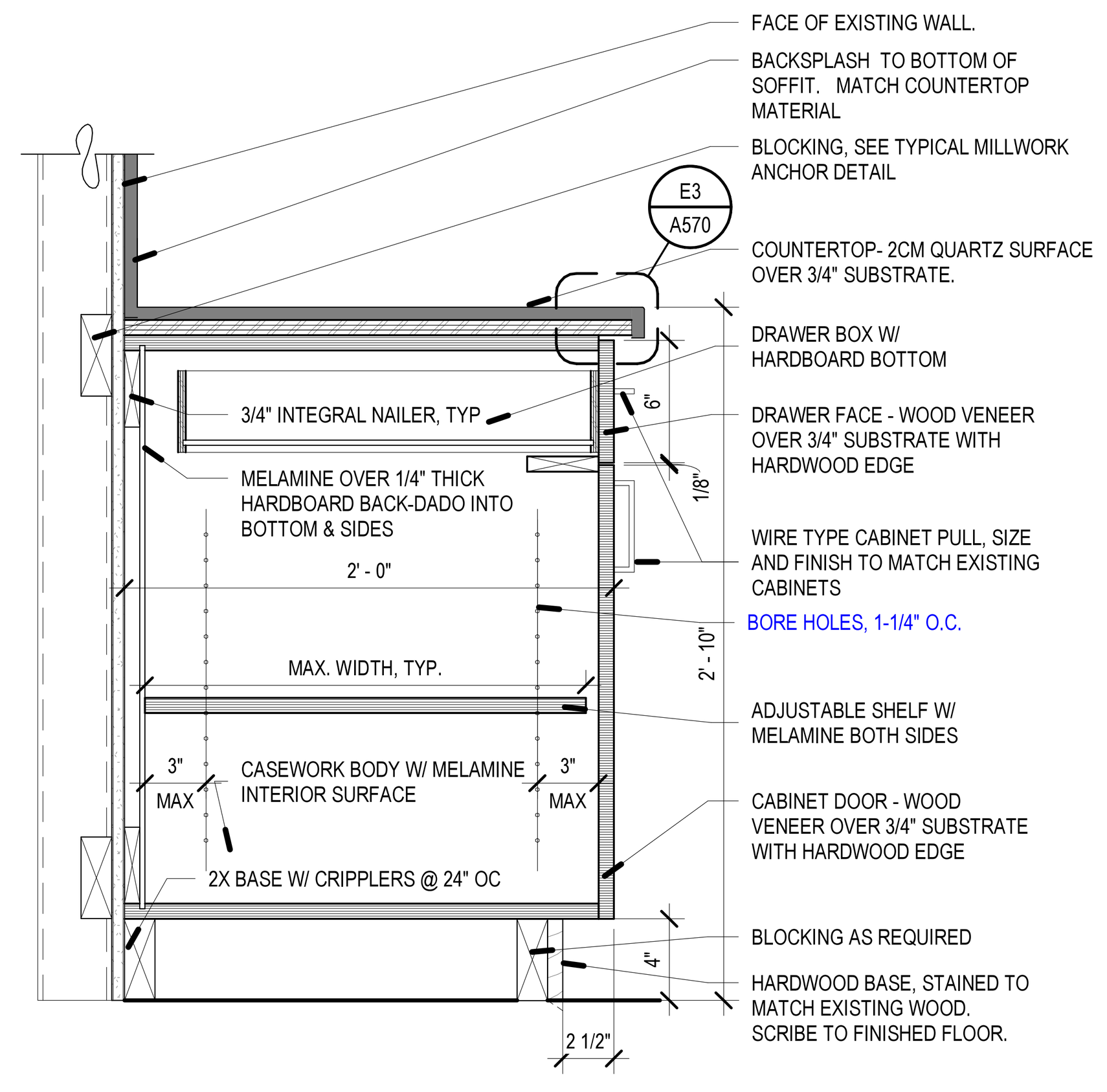
INTERIOR ELEVATIONS

A401

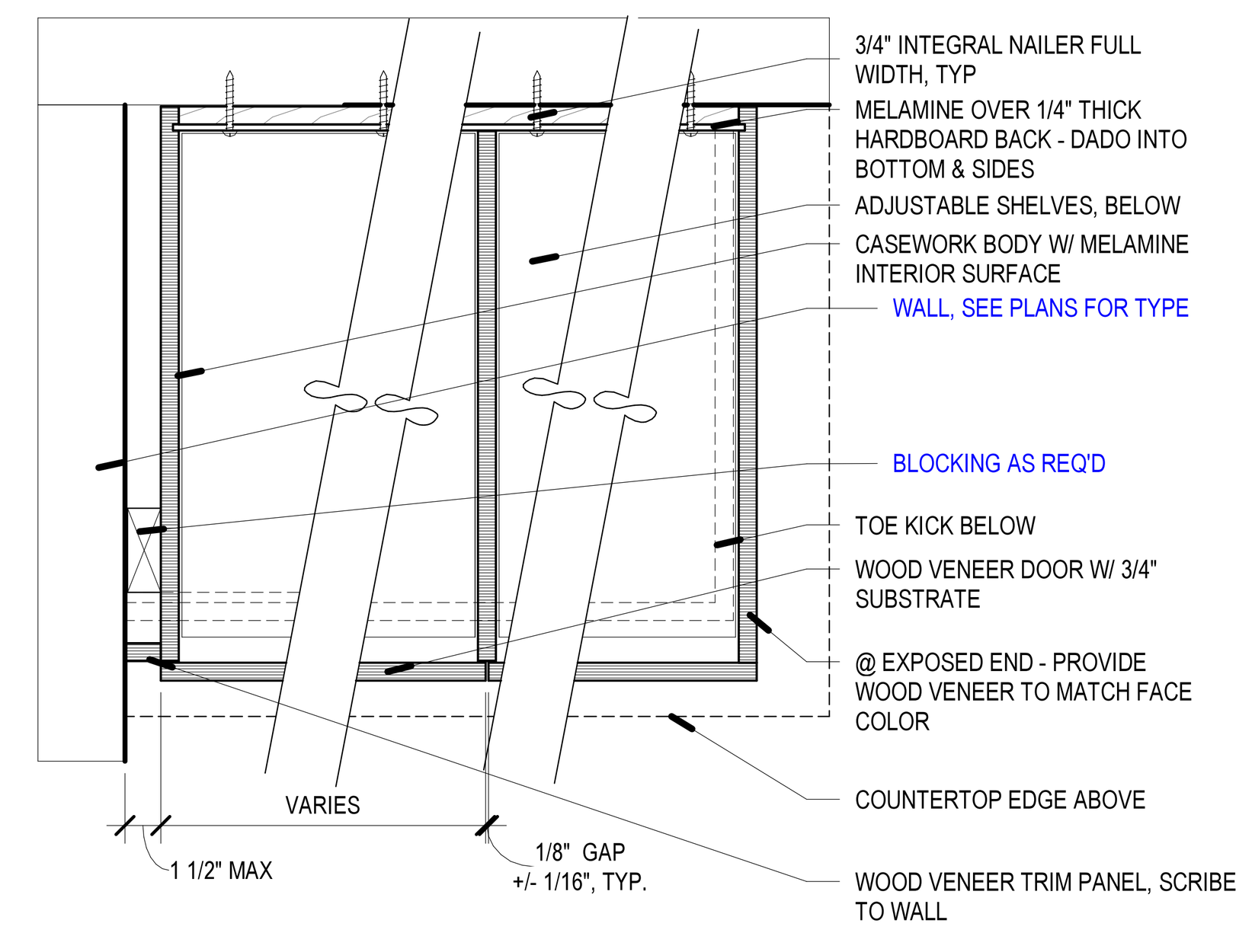
9/4/2025 11:13:56 AM

GENERAL MILLWORK NOTES

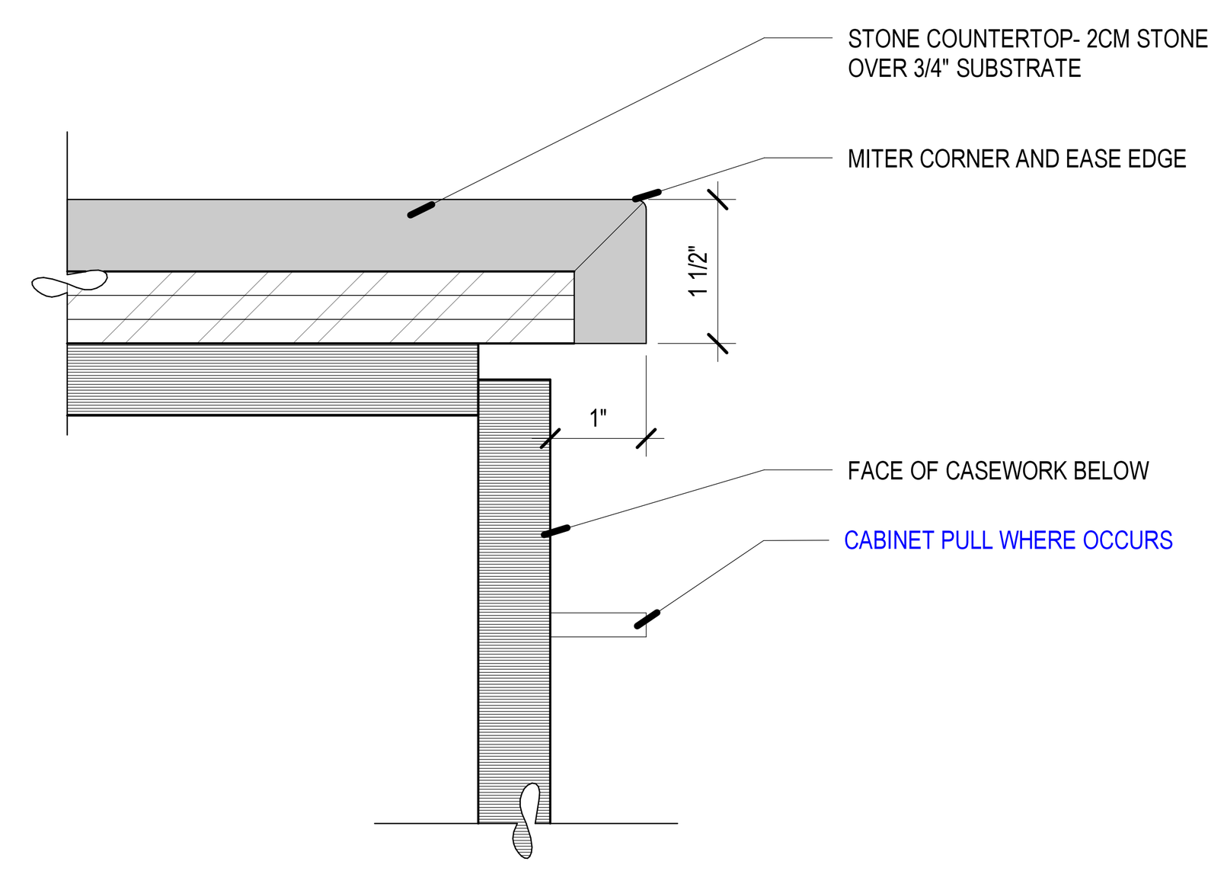
1. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP
2. CABINET DEPTHS ARE MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
3. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
4. ALL COUNTERTOPS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
5. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
6. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
7. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, T.V. BRACKETS AND ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC.... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITIONS.
8. REFER TO FINISH KEY ON SHEET A130 FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.



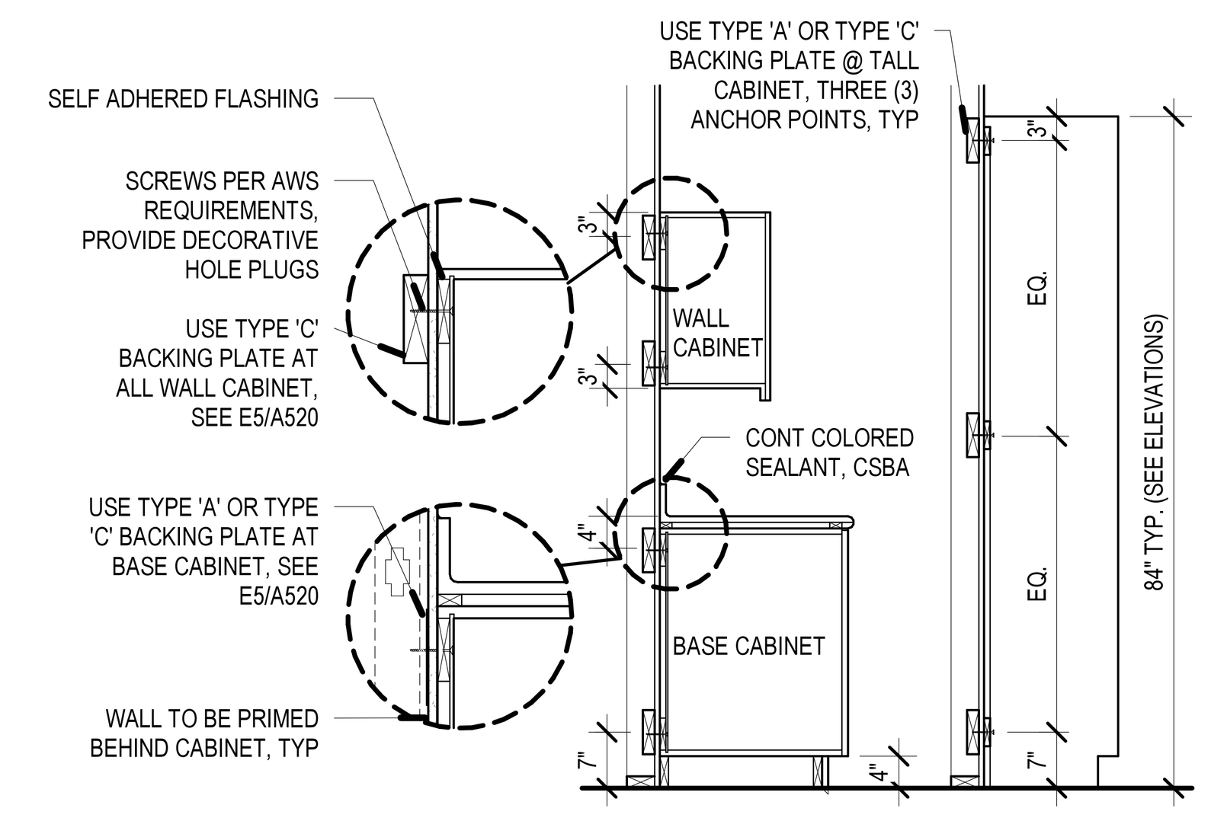
E1 BASE CABINET WITH DRAWER AND DOORS
SCALE: 1 1/2" = 1'-0"



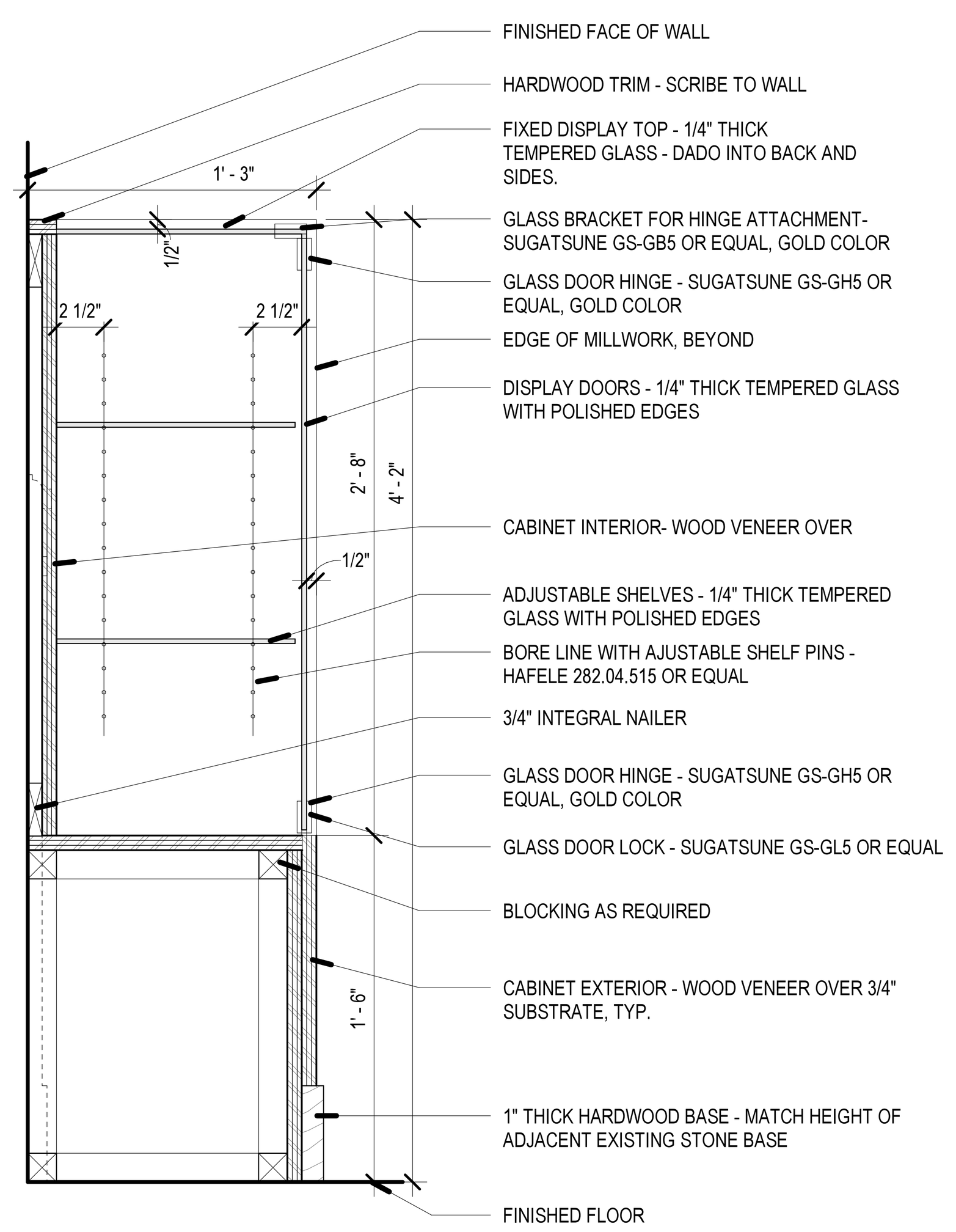
E2 BASE CABINET - PLAN
SCALE: 1 1/2" = 1'-0"



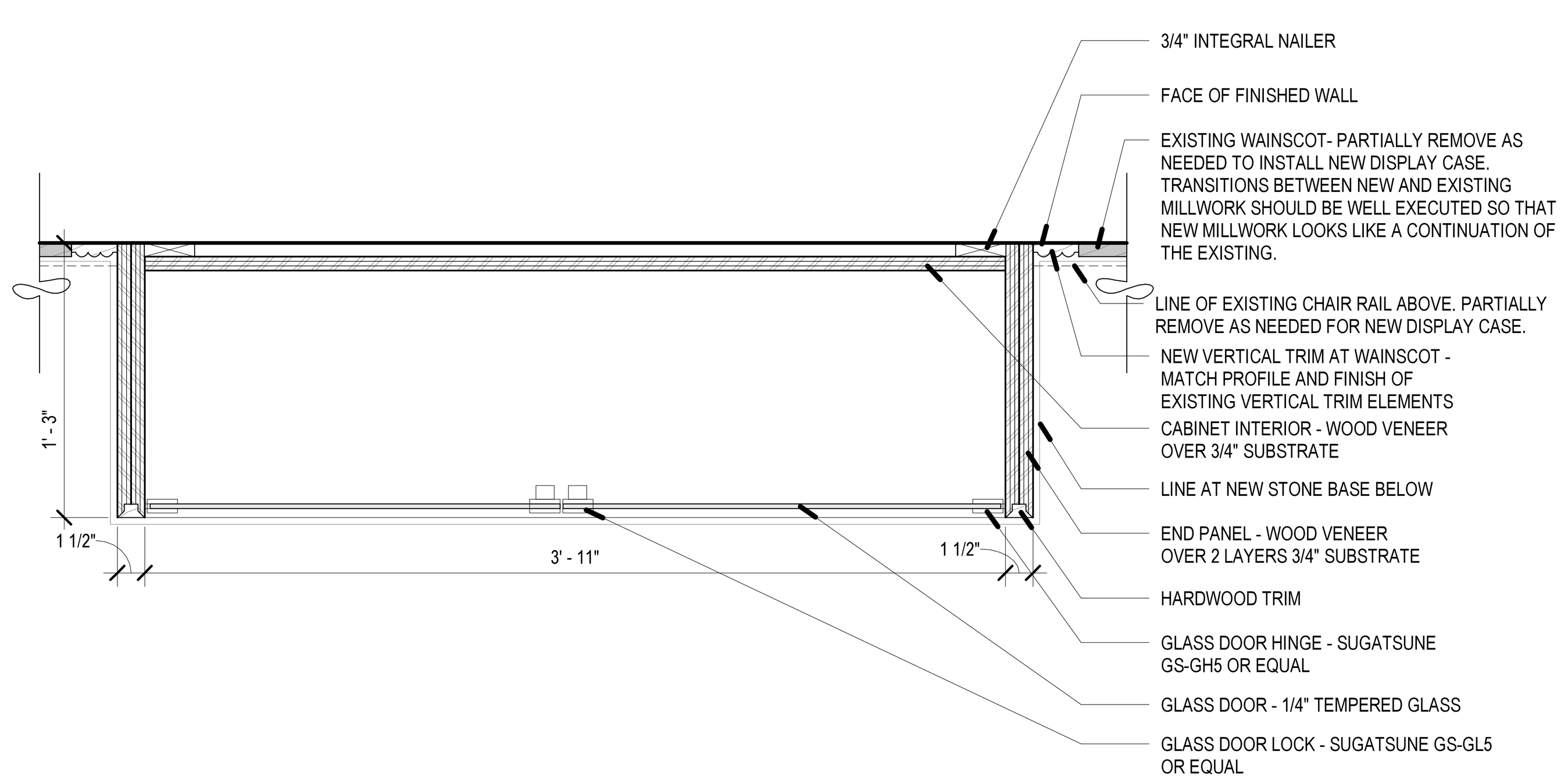
E3 COUNTER EDGE - STONE
SCALE: 6" = 1'-0"
0" 1" 2" 4"



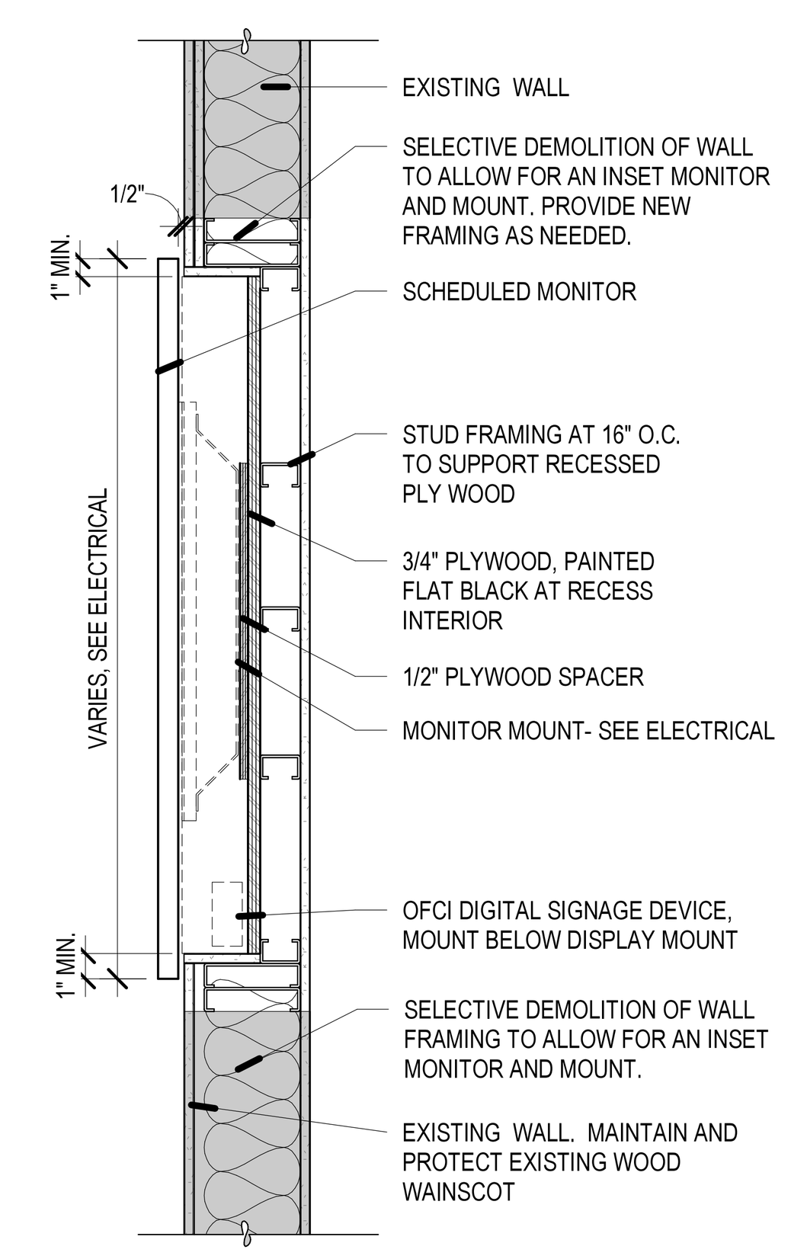
E4 TYPICAL MILLWORK ANCHOR
SCALE: 1/2" = 1'-0"



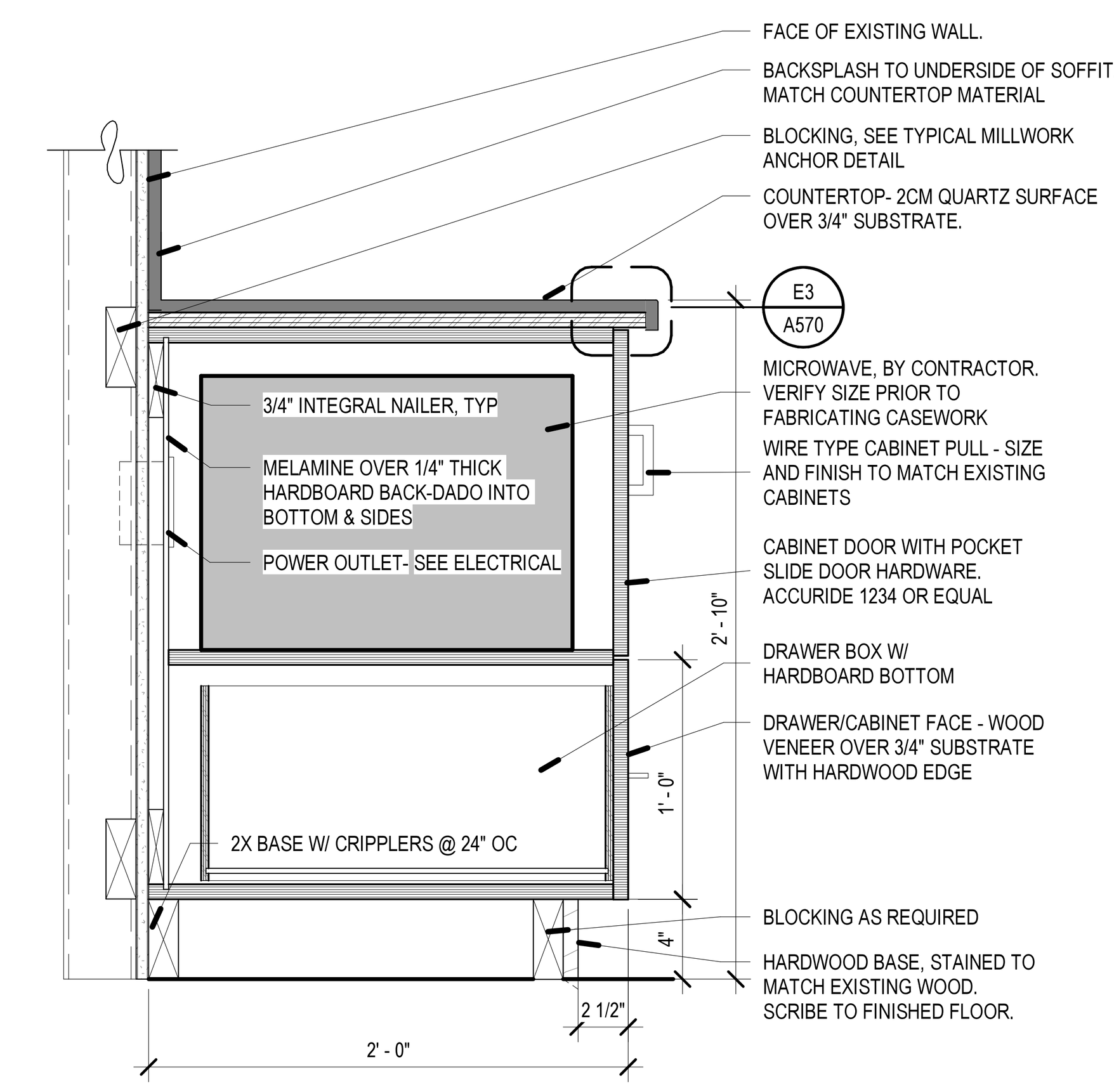
C1 VERTICAL SECTION - DISPLAY CASE
SCALE: 1 1/2" = 1'-0"



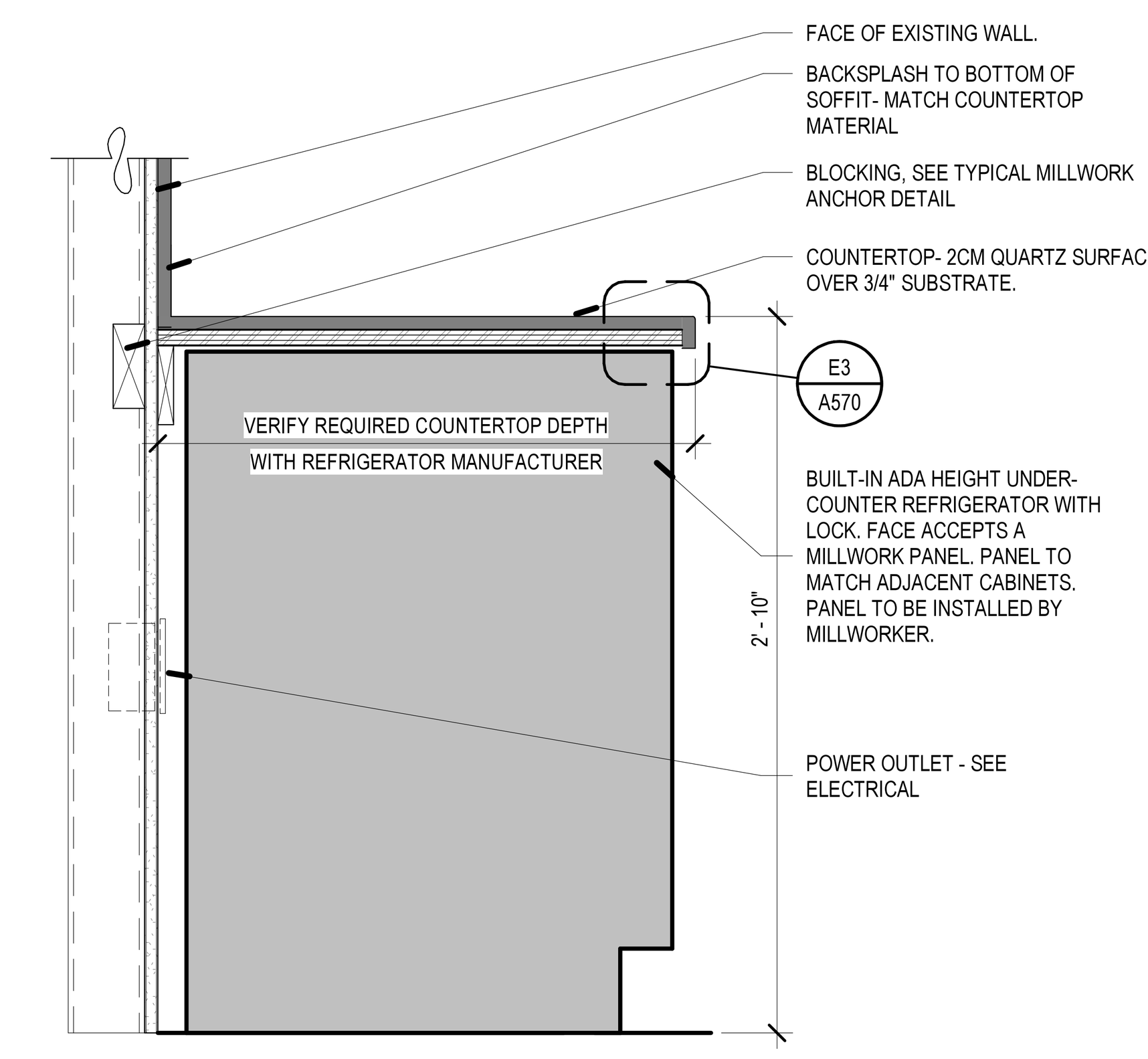
C2 PLAN SECTION - DISPLAY CASE
SCALE: 1 1/2" = 1'-0"



C4 MONITOR RECESS
SCALE: 1" = 1'-0"



C5 BASE CABINET WITH MICROWAVE
SCALE: 1 1/2" = 1'-0"



C6 BASE CABINET WITH REFRIGERATOR
SCALE: 1 1/2" = 1'-0"

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REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

CASEWORK AND INTERIOR DETAILS

A570

9/4/2025 11:13:58 AM

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
A5 / E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
ROOM NAME / 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
1	KEYNOTE INDICATOR.
1	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
X-X / XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
MATCH LINE / SEE XXX-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	PROPERTY LINE: DASHED, WIDE LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
XXX / EF-X	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
X-X / 1LA-3	EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "1LA-3" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
XXXET / #	IN-GRADE PULLBOX INDICATOR. "XXXET" INDICATES LABEL SHOWN ON SCHEDULE. "#" IDENTIFIES SEQUENCE NUMBER SHOWN ON SITE AND RISER DIAGRAM. REFER TO PLANS AND EXTERIOR PULLBOX SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
A-1	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
	JUNCTION BOX.
C	JUNCTION BOX, CEILING.
SP	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
ELECTRICAL POWER AND DISTRIBUTION	
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
DP#	DISTRIBUTION PANEL OR SWITCHBOARD.
LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
FIRE ALARM	
FACP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
FATC	FIRE ALARM TERMINAL CABINET: NAC, SLC, SPEAKER CIRCUITS; AMPLIFIERS, BATTERIES
	DETECTOR, SMOKE.
	STROBE, WALL MOUNTED.
75	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
75	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
75	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELLA RATING.
75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
LIGHTING	
(W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
(W-3E)	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/ OR GENERATOR AND/ OR CENTRALIZED INVERTER AND/ OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
a,b	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
RC	DIGITAL LIGHTING ROOM CONTROLLER
DC	DIGITAL LIGHTING DIMMING CONTROLLER
X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE
1PH	SINGLE-PHASE
1WAY	ONE-WAY
2/C	TWO-CONDUCTOR
2WAY	TWO-WAY
3/C	THREE-CONDUCTOR
3WAY	THREE-WAY
4QUT	QUADRUPLE RECEPTACLE OUTLET
4PDT	FOUR-POLE DOUBLE THROW
4PST	FOUR-POLE SINGLE THROW
4W	FOUR-WIRE
4WAY	FOUR-WAY
A	ABOVE COUNTER
AC	ARMORED CABLE
ACS	ACCESS CONTROL SYSTEM
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AMP	AMPERE
ANN	ANNUNCIATOR
AP	ACCESS POINT (WIRELESS DATA)
AR	AS REQUIRED
ASC	AMPS SHORT CIRCUIT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAGE
BB	BUCK-BOOST TRANSFORMER
XFMR	
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CEILING MOUNTED
CAT	CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT
CCTV	CLOSED CIRCUIT TELEVISION
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT
CI	CONTACT INDICATOR
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CND	CONDUIT
CO	CONVENIENCE OUTLET
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CR	CARD READER
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
dBA	UNIT OF SOUND LEVEL
DPDT	DOUBLE POLE, DOUBLE THROW
DS	DISCONNECT SWITCH
E	ENHANCED
EA	EACH
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRIC NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
EX	EXISTING
F	FURNITURE MOUNTED
FA	FIRE ALARM
FCP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METAL CONDUIT
FOB	FREIGHT ON BOARD
FPP	FIBER PATCH PANEL
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR
GFCI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GIG	GIGA HERTZ
GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HWM	HORIZONTAL WIRE MANAGEMENT
HZ	HERTZ
I/O	INPUT/ OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN/IS	INSULATED/ ISOLATED
IR	INFRARED
J-BOX	JUNCTION BOX
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kVAR	KILOVOLT AMPERE REACTIVE
kW	KILOWATT
kWh	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW PRESSURE SODIUM
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTION
MDP	MAIN DISTRIBUTION PANEL
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCP	OVER CURRENT PROTECTION
OE	OWNER ELECTRONICS
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OFP	OBTAIN FROM PLANS
OH DR	OVERHEAD (COILING) DOOR
OL	OVERLOAD
PB	PUSHBUTTON
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PNM	PLENUM
PR	PAIR
PS	POWER SUPPLY
PT	POTENTIAL TRANSFORMER
PTZ	PAN/TILT/ZOOM
PV	PHOTO VOLTAIC
QTY	QUANTITY
R	REPLACE / REINSTALL
RCP	REFLECTED CEILING PLAN
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETAL CONDUIT
RO	REMOTE DOOR OPEN
RPM	REVOLUTIONS PER MINUTE
RPP	RISER PATCH PANEL
RR	REMOVE AND RELOCATE
S/S	START/STOP
SCA	SHORT CIRCUIT AMPS
SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
SEC	SECURITY
SF	SQUARE FOOT (FEET)
SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE, DOUBLE THROW
SPEC	SPECIFICATION
SPP	STATION PATCH PANEL
SPST	SINGLE POLE, SINGLE THROW
ST	SINGLE THROW
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TL	TWIST LOCK
TP	TELEPHONE POLE
TP	TWISTED PAIR
TR	TELECOMMMUNICATIONS ROOM
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UF	UNDERFLOOR
UGND	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
VFC/VF D	VARIABLE FREQUENCY MOTOR CONTROLLER
VIC	VIDEO INTERCOM SYSTEM
VSS	VIDEO SURVEILLANCE SYSTEM
VWM	VERTICAL WIRE MANAGEMENT
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WPP	WIRELESS PATCH PANEL
XFMR	TRANSFORMER

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
   A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
   B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
   C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE.THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.
7. UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED, INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
8. PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
9. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.

ELECTRICAL SHEET INDEX

EQUIPMENT/CABLE LIST

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
▼2	DATA OUTLET, SINGLE GANG FACEPLATE, COLOR MATCH OWNER EXISTING REQUIREMENTS, 2 POSITION	CONFIRM WITH OWNER AND MATCH EXISTING REQUIREMENTS PRIOR TO BID.
	CATEGORY 6 JACK - DATA, COLOR MATCH OWNER EXISTING REQUIREMENTS	CONFIRM WITH OWNER AND MATCH EXISTING REQUIREMENTS PRIOR TO BID.

AV RACEWAY SYSTEMS SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING (UNLESS OTHERWISE NOTED ON DRAWINGS)	SPECIAL INSTRUCTIONS
HDMI	JUNCTION BOX FOR AV CONNECTION PANEL, 4-11/16" BOX WITH A 2-GANG MUD RING, MAXIMUM DEPTH FOR STUD SPACE. HDMI CABLE TO HDMI RACK IN SPACE.	FLUSH IN THE WALL AT ELECTRICAL OUTLET HEIGHT, EXCEPT WHERE NOTED.	CONFIRM HEIGHT OF ALL BOXES WITH OWNER AV AND USER GROUPS PRIOR TO ROUGH-IN. CONTRACTOR TO PROVIDE ALL ROUGH-IN AND WIRING.

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE. NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

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VCBO NUMBER: 20530.03
CLIENT NUMBER: 00000
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REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

ELECTRICAL COVER SHEET

EE001

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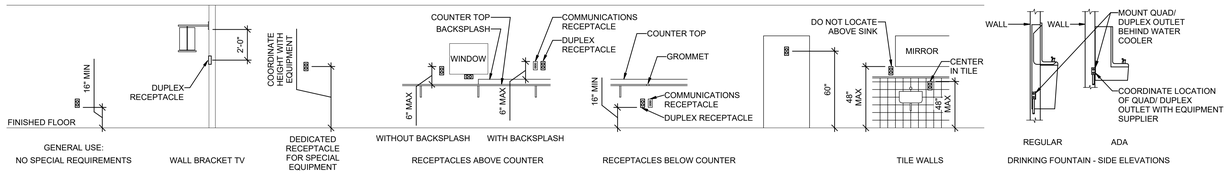
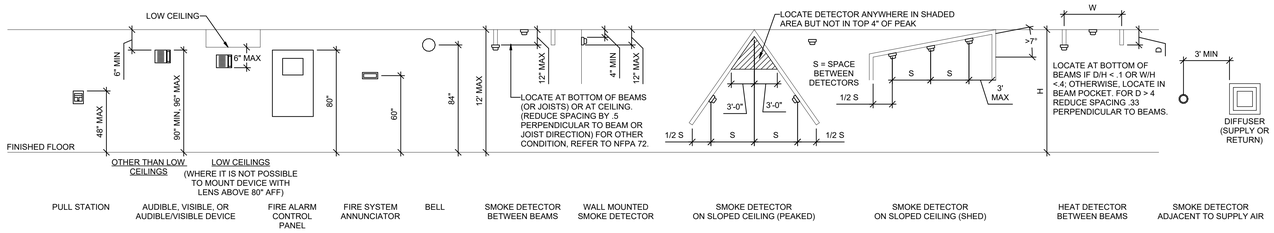


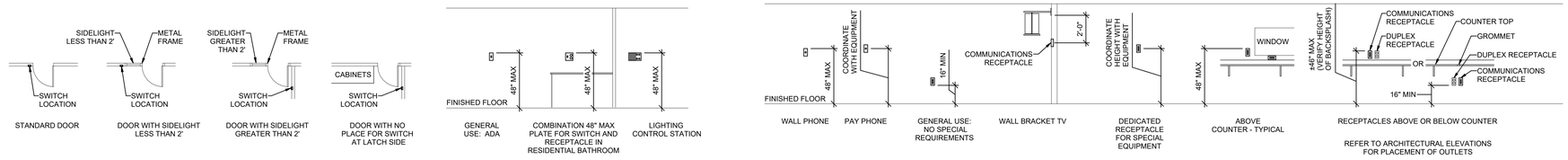
E2 RECEPTACLE MOUNTING DETAILS

SCALE: NTS



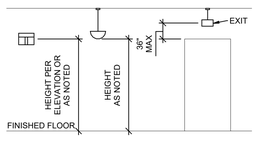
D2 FIRE ALARM MOUNTING DETAILS

SCALE: NTS



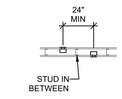
C2 SWITCH MOUNTING DETAILS

SCALE: NTS



B2 LIGHTING MOUNTING DETAILS

SCALE: NTS

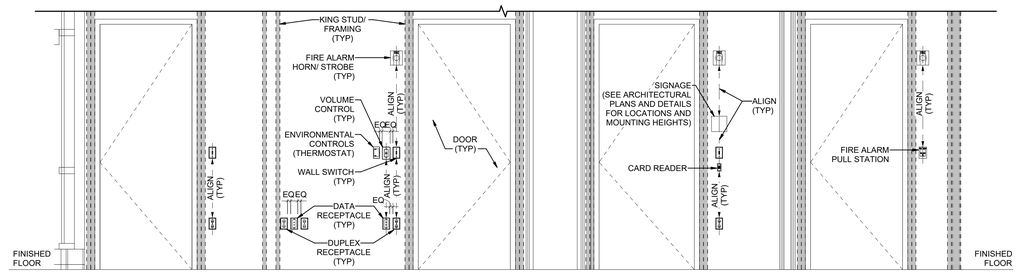


B3 BOX MOUNTING DETAILS

SCALE: NTS

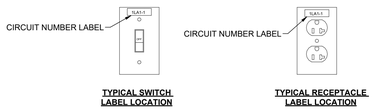
C4 COMMUNICATIONS MOUNTING DETAILS

SCALE: NTS



B4 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS



NOTES:
1. LABEL TO BE CENTERED IN EQUIPMENT, PREFERABLE ON FACE OF EQUIPMENT AND TOWARDS THE TOP.
2. REFER TO TYPICAL SWITCH/RECEPTACLE LABELING DETAIL FOR LABEL REQUIREMENTS.
3. DISPOSE OF AN EXISTING PANELBOARD NAME PLATES WHEN INSTALLING NEW NAME PLATES.

A5 TYPICAL SWITCH, RECEPTACLE LABELING LOCATION DETAIL

SCALE: NTS

GENERAL SHEET NOTES

1 MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:

A - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).

B - EQUIPMENT SHOP DRAWINGS.

C - FIELD INSTRUCTIONS.

2 LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.

3 MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.

4 MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.

5 SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.

6 LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.

7 VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.

8 LOCATE WIRING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.

9 WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.

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REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

TYPICAL MOUNTING AND LABELING DETAILS

EE701

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SECTION 260500 - COMMON WORK RESULTS FOR ELECTRICAL

GENERAL REQUIREMENTS:

COMPLY WITH THE REQUIREMENTS OF ALL REQUIRED BUILDING CODES, INCLUDING, BUT NOT LIMITED TO THE NATIONAL ELECTRICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL ENERGY CONSERVATION CODE, LOCAL CODES, AND INTERNATIONAL BUILDING CODES. PROVIDE AND PAY FOR ALL REQUIRED PERMITS. BIDDERS SHALL VIEW THE SITE AND SHALL INCLUDE ALL COSTS INCURRED BY EXISTING CONDITIONS IN THE BID PROPOSAL.

MATERIALS OTHER THAN THOSE SPECIFIED MAY BE ACCEPTED PROVIDING A WRITTEN REQUEST IS SUBMITTED TO THE ENGINEER AT THIS LEAST 10 WORKING DAYS PRIOR TO BID OPENING. APPROVED PRODUCTS W ILL BE LISTED IN THE ADDENDUM. ALL EQUIPMENT SHALL BE NEW AND CONTAIN THE MANUFACTURER'S NAME, MODEL NUMBER AND ELECTRICAL CHARACTERISTICS. ALL EQUIPMENT SHALL BE UL LISTED FOR IT'S INTENDED USE AND/OR APPROVED BY THE AUTHORITY HAVING JURISDICTION. PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE AN INDEX OF EQUIPMENT SUBMITTED IN EACH TAB. ELECTRONIC SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT WITHIN 21 DAYS OF AWARD ON THE CONTRACT, UNLESS OTHERWISE DIRECTED BY ARCHITECT.

SUBMITTALS:

SUBMITTALS SHALL INCLUDE ALL ELECTRICAL MATERIAL PROVIDED AS IT RELATED TO THIS PROJECT AND SHALL SPECIFICALLY INCLUDE BUT IS NOT LIMITED TO: WIRING DEVICES, RACEWAYS, SURFACE RACEWAYS, FLOORBOXES, LIGHTING FIXTURES, LIGHTING CONTROLS, PANELS AND BREAKERS, DISCONNECTS, TELEPHONE/DATA STRUCTURED CABLING SYSTEMS, FIRE ALARM SYSTEMS, ACCESS CONTROLS SYSTEM, INTRUSION DETECTION SYSTEM, AND LIGHTNING PROTECTION SYSTEMS.

PROVIDE AS-BUILT DRAWINGS TO ARCHITECT BEFORE APPLICATION FOR FINAL PAYMENT. REQUEST A CLEAN SET OF DRAWINGS FROM ARCHITECT AND PREPARE THESE DRAWINGS IN A QUALITY EQUAL TO THAT OF THE ORIGINAL DRAWINGS.

INSTALLATION REQUIREMENTS:

ELECTRICAL PLANS ARE DIAGRAMMATIC. VERIFY EXACT EQUIPMENT LOCATIONS FOR ALL EQUIPMENT. COORDINATE WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS TO AVOID CONFLICTS. ALL WORK SHALL BE INSTALLED IN A NEAT, INCONSPICUOUS, WORKMANLIKE MANNER. CONDUIT RUNS SHALL BE PARALLEL AND PERPENDICULAR TO STRUCTURAL LINES WHERE EXPOSED. OUTLET BOXES, FIXTURES AND EQUIPMENT SHALL BE SECURELY MOUNTED AND SUPPORTED. THE SITE SHALL BE LEFT CLEAN AND FREE OF DIRT AND DEBRIS. PANELS, FIXTURES, OUTLETS AND EQUIPMENT SHALL BE LEFT CLEAN AND FREE OF FOREIGN MATERIALS AND DIRT. PANELS, SWITCHES, AND ALL CONTROLS SHALL BE CLEARLY AND PERMANENTLY LABELED WITH LAMINATED ENGRAVED LABELS. WHERE CHANGES ARE MADE IN EXISTING PANELS, DISTRIBUTION CENTERS, ETC., THE LABELING AND SCHEDULES SHALL BE ACCURATELY CORRECTED TO REFLECT THE CHANGES. NEW TYPED PANEL SCHEDULES SHALL BE PROVIDED FOR ALL EXISTING PANELBOARDS THAT HAVE CHANGES. RECEPTACLES AND LIGHT SW ITCH COVER PLATES SHALL BE LABELED WITH A PERMANENT ADHESIVE TYPED LABEL INDICATING THE PANEL AND CIRCUIT NUMBER. PHONE & DATA OUTLET COVERS SHALL BE LABELED WITH A PERMANENT ADHESIVE TYPED LABEL INDICATING THE UNIQUE TELECOM ID. THE STRUCTURED CABLING SHALL BE LABELED AT BOTH ENDS WITH THE UNIQUE ID. THE PATCH PANEL SHALL BE LABELED WITH THE UNIQUE ID. A COMPUTER GENERATOR COLOR CODED MAP SHALL BE PROVIDED BY THE CONTRACTOR TO THE OWNER SHOWING ALL JACK ID'S ALONG WITH THEIR LOCATION ON A BUILDING FLOORPLAN. ALL WIRING SHALL BE INSTALLED IN RACEWAYS EXCEPT W HERE OTHERWISE SPECIFICALLY SHOW N ON THE DRAWINGS.

SAFETY:

THE ENGINEER HAS NOT BEEN RETAINED OR COMPENSATED TO PROVIDE CONSTRUCTION REVIEW RELATED TO THE CONTRACTOR'S SAFETY PRECAUTIONS OR TO MEANS, METHODS, SEQUENCES, OR PROCEDURES REQUIRED FOR THE CONTRACTOR TO COMPLETE THE WORK.

SEISMIC BRACING AND SUPPORTS:

CONTRACTOR SHALL BE RESPONSIBLE TO SEISMICALLY BRACE ALL EQUIPMENT, FEEDERS, LIGHTS, CABLETRAY, AND OTHER ELECTRICAL ITEMS IN ACCORDANCE WITH PREVAILING CODES. DEFERRED SUBMITTALS OF SEISMIC BRACING SHALL BE REQUIRED UPON REQUEST AND SHALL COMPLY WITH ASCE 7-02 FOR SUPPORT AND BRACING OF NON-STRUCTURAL SYSTEMS. THIS SHALL INCLUDE SEISMIC DESIGN DEFERRED SUBMITTALS OF THE SITE LIGHTING POLE BASE DETAILS.

GUARANTEE:

GUARANTEE THE ELECTRICAL INSTALLATION AGAINST ALL DEFECTS IN MATERIALS, EQUIPMENT AND WORKMANSHIP, FOR ONE YEAR AFTER THE DATE OF ACCEPTANCE OF THE WORK. DEFECTS SHALL BE PROMPTLY REMEDIED TO THE SATISFACTION OF THE ARCHITECT AT NO COST TO THE OWNER. ALL EQUIPMENT AND PRODUCTS SHALL CARRY A MINIMUM 1 YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.

MATERIALS AND METHODS:

ELECTRICAL METALLIC TUBING MAY BE USED IN DRY LOCATIONS NOT SUBJECT TO MECHANICAL INJURY. PROVIDE EMT IN 3/4" MINIMUM SIZE. ALL CONDUIT EXPOSED IN OCCUPIED SPACES SHALL BE EMT, UNLESS SPECIFICALLY NOTED OTHERWISE.SURFACE METAL RACEWAY IS NOT PERMITTED UNLESS APPROVED IN WRITING BY ARCHITECT OR SPECIFICALLY ALLOW ED IN THE DRAWINGS. FLEXIBLE METAL CONDUIT IS PERMITTED W HERE FLEXIBILITY IS NECESSARY AND W HEN CONNECTING TO EQUIPMENT SUBJECT TO VIBRATION SUCH AS MOTORS OR TRANSFORMERS. MC CABLE IS ALLOWED WHERE CONCEALED IN WALLS OR ABOVE DROPPED CEILINGS (SUCH AS ACOUSTICAL LAY-IN TILE CEILING). EMT CONNECTORS TO BE STEEL, ZINC OR CADMIUM COATED, FACTORY PRE-INSULATED. CONDUIT BUSHINGS TO BE HEAVY DUTY, INSULATED.

WIRE SHALL BE COPPER THHN/THW N-2 FOR COPPER SIZES #2 AND SMALLER. ALUMINUM XHHW -2 W IRE MAY BE USED FOR ALUMINUM SIZES 1/0 AND LARGER. UNLESS OTHERWISE SHOW N ON THE DRAWINGS, COPPER #12 IS THE MINIMUM SIZE FOR LIGHTING AND POW ER USE. SIZE W IRE AS INDICATED ON THE DRAWINGS, OR APPROPRIATE TO CARRY THE ENTIRE LOAD PER THE NEC. PROVIDE DEDICATED NEUTRAL WIRING FOR ALL BRANCH CIRCUITS, COMMON (SHARED) NEUTRAL WIRING IS NOT PERMITTED. FOR BRANCH CIRCUITING LONGER THAN 100 FEET, INCREASE W IRE SIZE BY ONE SIZE TO CONTROL VOLTAGE DROP. ALL WIRING SHALL BE COLOR CODED WITH SOLID COLORING OR FOR SIZES ABOVE #6 MAY HAVE COLORED TAPE BANDS AT ALL ACCESSIBLE LOCATIONS AND ENDS, COLOR CODING SHALL BE AS FOLLOWS:

PHASE A - BLACK; NEUTRAL A - WHITE WITH/BLACK STRIPE
PHASE B - RED; NEUTRAL B - WHITE WITH/RED STRIPE
PHASE C - BLUE; NEUTRAL C - WHITE WITH/BLUE STRIPE
GROUND - GREEN

BOXES TO BE 4 INCH OCTAGONAL FOR LIGHTING OUTLETS AND 4 INCH SQUARE BACKBOXES (MINIMUM 1-1/2 INCHES DEPTH) WITH APPROPRIATE DEVICE COVERS FOR DEVICE OUTLETS IN CONCEALED WORK. PROVIDE SINGLE GANG MUD RINGS FOR SINGLE GANG OUTLETS. DO NOT INSTALL OUTLET BOXES BACK TO BACK IN THE SAME STUD SPACE. OUTLET BOXES SHALL BE INSTALLED NOT MORE THAN 1/8 INCH BACK IN SHEETROCK AND PLUMB.

MC CABLING MAY BE USED IN CONCEALED LOCATIONS FOR BRANCH CIRCUITING. HOME RUNS SHALL BE IN CONDUIT AND THE REMAINING CIRCUITING MAY BE IN MC CABLING. MC CABLE IS APPROVED FOR ALL WORK ASSOCIATED WITH THE POW ER FOR THE POD INSTALLATION INCLUDING HOMERUNS FROM THE ZONE DISTRIBUTION BOX.

WIRING DEVICES:

INSTALL WIRING DEVICES TO THE FOLLOWING HEIGHTS (HEIGHTS TO CENTER OF DEVICE UNLESS NOTED OTHERWISE) UNLESS NOTED OTHERWISE ON THE DRAWINGS, SEE TYPICAL MOUNTING HEIGHT DETAILS:
SWITCH - 45"
STANDARD RECEPTACLE OR PHONE/DATA OUTLET - 18"
RECEPTACLE OR PHONE/DATA OUTLET (ABOVE COUNTER) - 3" ABOVE BACKSPLASH
FIRE ALARM NOTIFICATION DEVICE - 96"
PHONE/DATA - 18"
CONSULT ARCHITECTURAL ELEVATIONS AND MILLWORK SHOP DRAWINGS TO DETERMINE EXACT MOUNTING HEIGHT OF ALL OUTLETS ABOVE COUNTER. COORDINATE WITH MILLWORK INSTALLER TO PROVIDE GROMMETS WHERE OUTLETS ARE LOCATED BELOW COUNTER.
WALL SWITCHES FOR GENERAL USE TO BE 20 AMPERE, 120 VOLT AC RATED, QUIET ACTING, EQUAL TO HUBBELL 1221 SERIES. DUPLEX RECEPTACLES TO BE 20 AMPERE SPECIFICATION GRADE, EQUAL TO HUBBELL NO. 5362. WALL SWITCH SENSOR SWITCHES SHALL BE WATTSTOPPER LMDW-101. DIMMER SWITCHES SHALL BE 0-10 VOLT WATTSTOPPER LMDM-101. MULTI-BUTTON DIMMER SWITCHES SHALL BE 0-10 VOLT WATTSTOPPER LMSW-10X. SELECTION OF COLOR AND PLATE MATERIAL SHALL BE BY ARCHITECT. PLATE MATERIAL MAY BE EITHER STAINLESS STEEL, OR NYLON, INCLUDE WORST CASE (MOST EXPENSIVE) IN BID. STAINLESS STEEL PLATES SHALL BE REQUIRED IN KITCHEN AND RESTROOM AREAS.

EQUIPMENT CONNECTIONS:

CONNECT EACH ITEM OF MECHANICAL OR OTHER TYPES OF EQUIPMENT SHOWN ON THE DRAWINGS, PROVIDING ALL POWER REQUIREMENTS. VERIFY EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO ROUGHING-IN AND ORDERING EQUIPMENT. FURNISH ALL CODE REQUIRED DISCONNECTS UNDER THIS WORK, WHETHER SPECIFICALLY SHOWN OR NOT. CONTROL DEVICES AND CONTROL WIRING WILL BE FURNISHED AND INSTALLED UNDER OTHER WORK UNLESS SPECIFICALLY CALLED FOR ON THE ELECTRICAL DRAWINGS.

SECTION 260505 -SELECTIVE DEMOLITION FOR ELECTRICAL SYSTEMS

PRODUCTS

MATERIALS AND EQUIPMENT:
1. MATERIALS AND EQUIPMENT FOR PATCHING AND REPAIRING SURFACES: UTILIZE MATERIALS FOR EACH SURFACE AS REQUIRED OR AS SPECIFIED IN INDIVIDUAL SECTIONS.

EXECUTION

EXAMINATION

1. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

2. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS ARE AS INDICATED IN THE CONTRACT DOCUMENTS.

3. VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED FACILITIES. UNTERMINATED WIRING IS NOT ALLOWED.

4. DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION AND EXISTING RECORD DOCUMENTS.

5. REPORT DISCREPANCIES TO ENGINEER BEFORE DISTURBING EXISTING INSTALLATION.

6. BEGINNING OF DEMOLITION MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.

PREPARATION:

1. DISCONNECT ELECTRICAL SYSTEMS IN WALLS, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.

2. COORDINATE UTILITY SERVICE OUTAGES AS DIRECTED BY THE OWNER.

3. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WORK ON ENERGIZED EQUIPMENT OR CIRCUITS IS NOT ALLOWED; FOLLOW REQUIREMENTS OF OWNER PRIOR TO INITIATING AN OUTAGE OR INTERRUPTION OF SERVICE.

4. EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. MINIMIZE OUTAGE DURATION.

A. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.

5. EXISTING FIRE ALARM SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS ACCEPTED. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. MINIMIZE OUTAGE DURATION.

A. NOTIFY OWNER BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM.

B. MAKE NOTIFICATIONS AT LEAST 24 HOURS IN ADVANCE.

C. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.

DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK:

1. COORDINATE THE DISPOSAL OF RECYCLEABLE EQUIPMENT AND CIRCUIT BOARDS WITH THE OWNER. COORDINATE WITH OWNER FOR ANY ITEMS TO BE SALVAGE AS PART OF THE DEMOLITION.

2. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

A. REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

3. DISCONNECT AND REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY OR THE NEXT ACTIVE DEVICE THAT WILL REMAIN IN SERVICE. DO NOT LEAVE WIRING UNTERMINATED.

4. DISCONNECT AND REMOVE EXPOSED RACEWAYS AND RACEWAYS ABOVE ACCESSIBLE CEILINGS. CUT RACEWAYS 6-INCHES FROM WALLS AND FLOORS WHERE RACEWAYS MUST BE ABANDONED. SAFE-OFF, SEAL, CAP, PLUG, OR OTHERWISE AIR-GAP RACEWAYS THAT MUST BE ABANDONED IN PLACE.

5. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS THAT ARE NOT REMOVED.

6. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT AND THE ASSOCIATED MOUNTING HARDWARE.

7. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.

8. DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES.

9. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK TO A STATE EQUAL TO OR BETTER THAN FOUND PRIOR TO THE DAMAGE.

10. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

11. EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING ELECTRICAL INSTALLATIONS, OR AS SPECIFIED

CLEANING AND REPAIR:

1. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT THAT REMAIN OR THAT ARE TO BE REUSED.

2. PANELBOARDS: CLEAN EXPOSED SURFACES AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT REAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING REVISED CIRCUITING RRANGEMENT.

INSTALLATION:

1. INSTALL RELOCATED MATERIALS AND EQUIPMENT IN THE SAME MANNER THAT THEY WERE INSTALLED PREVIOUSLY.

SECTION 260519 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

PRODUCTS

PROVIDE STEEL RACEWAY, FITTING, AND BOX SYSTEM FOR ALL WIRING, EXCEPT FOR PLASTIC CONDUIT MAY BE INSTALLED UNDERGROUND.

RIGID STEEL CONDUIT: ANSI C80.1.

INTERMEDIATE METAL CONDUIT: ANSI C80.6.

PLASTIC-COATED STEEL CONDUIT AND FITTINGS: NEMA RN 1.

PLASTIC-COATED INTERMEDIATE METAL CONDUIT AND FITTINGS: NEMA RN 1.

ELECTRICAL METALLIC TUBING AND FITTINGS: ANSI C80.3 WITH SET-SCREW OR COMPRESSION-TYPE FITTINGS. CAST FITTINGS ARE NOT ALLOWED.

FLEXIBLE METAL CONDUIT: ZINC-COATED STEEL.

LIQUIDTIGHT FLEXIBLE METAL CONDUIT: FLEXIBLE STEEL CONDUIT WITH PVC JACKET.

FITTINGS: NEMA FB 1, COMPATIBLE WITH CONDUIT/TUBING MATERIALS AND SUITABLE FOR USE AND LOCATION.

RIGID NONMETALLIC CONDUIT (RNC): NEMA TC 2, SCHEDULE 40 OR 80 PVC.

PVC CONDUIT AND TUBING FITTINGS: NEMA TC 3; MATCH TO CONDUIT OR CONDUIT/TUBING TYPE AND MATERIAL. OUTLET AND DEVICE BOXES: USE ONE OF THE FOLLOWING:

1. SHEET METAL BOXES: NEMA OS 1.

EXECUTION

PROVIDE MINIMUM 3/4" RACEWAY.

OUTDOORS WIRING METHODS: USE THE FOLLOWING WIRING METHODS:

1. EXPOSED: RIGID OR INTERMEDIATE METAL CONDUIT.

2. CONCEALED: RIGID OR INTERMEDIATE METAL CONDUIT.

3. UNDERGROUND: RIGID NONMETALLIC CONDUIT, EXCEPT THAT WRAPPED RIGID METAL SHALL BE USED FOR BENDS GREATER THAN 22 DEGREES.

4. PENETRATING CONCRETE FLOORS AND FOUNDATIONS: WRAPPED RIGID METAL CONDUIT (MINIMUM 4' EACH SIDE).

5. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, OR ELECTRIC SOLENOID OR MOTOR-DRIVEN EQUIPMENT): LIQUIDTIGHT FLEXIBLE METAL CONDUIT.

6. BOXES AND ENCLOSURES: NEMA TYPE 3R OR TYPE 4.

DIRECT BURIED CONDUIT OUTSIDE A BUILDING SHALL NOT BE LESS THAN 24" DEEP, WITH MAGNETIC "YELLOW WARNING" RIBBON 12" DIRECTLY ABOVE AND 6" BELOW FINIISHED GRADE MEASURED FROM THE TOP OF THE CONDUIT.

INDOORS WIRING METHODS: USE THE FOLLOWING WIRING METHODS:

1. CONNECTION TO VIBRATING EQUIPMENT, INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, OR ELECTRIC SOLENOID OR MOTOR-DRIVEN EQUIPMENT: FLEXIBLE METAL CONDUIT WITH MINIMUM 18" OF LIQUID-TIGHT FLEXIBLE CONDUIT (MAXIMUM OF 6 FEET), EXCEPT IN WET OR DAMP LOCATIONS USE LIQUIDTIGHT FLEXIBLE METAL CONDUIT (MAXIMUM OF 6 FEET).

2. DAMP OR WET LOCATIONS: RIGID STEEL CONDUIT.

3. EXPOSED: ELECTRICAL METALLIC TUBING, RIGID OR INTERMEDIATE METAL CONDUIT WHERE SUBJECT TO PHYSICAL DAMAGE.

4. CONCEALED: ELECTRICAL METALLIC TUBING.

5. CONNECTION FOR CONDUIT IN CRAMPED QUARTERS OR MISALIGNMENT EXIST. FLEXIBLE METAL CONDUIT (MINIMUM 1/2").

CONCEAL CONDUIT AND EMT, UNLESS OTHERWISE INDICATED, WITHIN FINISHED WALLS, CEILINGS, AND FLOORS.

INSTALL RACEWAYS LEVEL AND SQUARE AND AT PROPER ELEVATIONS. RUN PERPENDICULAR AND AT RIGHT ANGLES TO BUILDING AND STRUCTURAL ELEMENTS. RUN PARALLEL OR BANKED RACEWAYS TOGETHER, ON COMMON SUPPORTS WHERE PRACTICAL. MAKE BENDS IN PARALLEL OR BANKED RUNS FROM SAME CENTER LINE TO MAKE BENDS PARALLEL.

SUPPORT RACEWAYS AS FOLLOWS, IN COMPLIANCE WITH DIVISION 16 SECTION "SUPPORTING DEVICES ": TWO SUPPORTS PER 10' RUN, WITHING 12" OF A COUPLING, FITTING OR BEND GREATER THAN 45 DEGREES, AND WITHIN 12" OF EVERY BOX TO WHICH THE RACEWAY IS ENTERING OR EXITING.

RUN CONCEALED RACEWAYS WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE TYPE OF BUILDING CONSTRUCTION AND OBSTRUCTIONS, EXCEPT AS OTHERWISE INDICATED.

JOINTS AND TERMINATIONS: JOIN RACEWAYS WITH FITTINGS DESIGNED AND APPROVED FOR THE PURPOSE AND MAKE JOINTS AND TERMINATIONS TIGHT.

1. MAKE RACEWAY TERMINATIONS TIGHT. USE BONDING BUSHINGS OR WEDGES AT CONNECTIONS SUBJECT TO VIBRATION.

2. USE BONDING JUMPERS WHERE JOINTS CANNOT BE MADE TIGHT.

3. USE INSULATED THROAT OR EQUAL TYPE PLASTIC BUSHINGS FOR BOX CONNECTIONS TO PROTECT CONDUCTORS.

4. CONNECTORS ON FLEXIBLE CONDUIT AND MC CABLE SHALL BE THREADED TYPE - NOT PUSH-IN QUICK CONNECT TYPE.

INSTALL 200-LB NYLON PULL CORD IN ALL EMPTY RACEWAYS. CAP RACEWAY USING A BLANK COVER SIMILAR TO ADJACENT WIRING DEVICE COVERS.

ALL FUTURE RACEWAYS SHALL TERMINATE IN AN ACCESSIBLE CEILING SPACE UNLESS NOTED OTHERWISE. EXTEND AS NECESSARY.

RECORD CIRCUIT NUMBERS ON THE INSIDE BACK OF RECEPTACLE AND LIGHTING OUTLET BOXES USING A PERMANENT MARKER OR PERMANENT LABEL.

PROVIDE GROUNDING CONNECTIONS FOR RACEWAY, BOXES, AND COMPONENTS AS INDICATED AND INSTRUCTED BY MANUFACTURER. TIGHTEN CONNECTORS AND TERMINALS, INCLUDING SCREWS AND BOLTS, ACCORDING TO EQUIPMENT MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES FOR EQUIPMENT CONNECTORS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTORS AND TERMINALS ACCORDING TO TIGHTENING TORQUES SPECIFIED IN UL STANDARD 486A.

SECTION 260526 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PRODUCTS

WIRES AND CABLES: TYPE THHN/THWN COPPER CONDUCTOR.

SOLID CONDUCTOR FOR 10 AWG AND SMALLER; STRANDED CONDUCTOR FOR LARGER THAN 10 AWG.

CONNECTORS AND SPLICES: UL-LISTED FACTORY-FABRICATED WIRING CONNECTORS OF SIZE, AMPACITY RATING, MATERIAL, AND TYPE AND CLASS FOR APPLICATION AND FOR SERVICE INDICATED. SELECT TO COMPLY WITH PROJECT'S INSTALLATION REQUIREMENTS AND AS SPECIFIED IN THE "EXECUTION" ARTICLE.

DO NOT PROVIDE THE FOLLOWING UNLESS APPROVED BY THE DIRECTOR:

1. EXPOSED CABLE WIRING.

2. SPLICES IN PANELBOARD, SWITCHBOARD ENCLOSURES, OR IN CONDUIT BODIES.

COLOR-CODING OF SECONDARY PHASE CONDUCTORS: COLOR CODE SWITCH LEGS, TRAVELERS AND OTHER WIRING FOR BRANCH CIRCUITS OTHER THAN THOSE LISTED BELOW. PERMANENTLY POST COLOR CODE AT EACH BRANCH PANELBOARD. USE THE FOLLOWING COLORS FOR SERVICE, FEEDER AND BRANCH-CIRCUIT

PHASE CONDUCTORS:
208/120-V CONDUCTORS:

1. PHASE A: BLACK.
2. PHASE B: RED
3. PHASE C: BLUE.
4. NEUTRAL; WHITE.
5. GROUND: GREEN.
6. INSULATED GROUND: GREEN WITH WHITE STRIPE.

A. ORANGE IS RESERVED FOR THE HIGH-LEG OF CENTER-TAPPED DELTA SYSTEM.

B. #8 AND LARGER CONDUCTORS MAY BE TAPED WITH 8" OF HALF-LAPPED COLORED TAPE AT TERMINATIONS AND PULL BOXES.

EXECUTION

INSTALL WIRES AND CABLES AS INDICATED, ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND THE NECA "STANDARD OF INSTALLATION."

PULL CONDUCTORS INTO RACEWAY SIMULTANEOUSLY WHERE MORE THAN ONE IS BEING INSTALLED IN SAME RACEWAY.

CONDUCTOR SPLICES: KEEP TO MINIMUM.

INSTALL SPLICES AND TAPES THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN CONDUCTORS BEING SPLICED.

USE SPLICE AND TAP CONNECTORS THAT ARE COMPATIBLE WITH CONDUCTOR MATERIAL. DO NOT USE PUSH-INTYPE QUICK-WIRE DEVICES OR WIRE CONNECTORS.

WIRING AT OUTLETS: INSTALL WITH AT LEAST 12 INCHES (300 MM) OF SLACK CONDUCTOR AT EACH OUTLET.

CONNECT OUTLETS AND COMPONENTS TO WIRING AND TO GROUND AS INDICATED AND INSTRUCTED BY MANUFACTURER. TIGHTEN CONNECTORS AND TERMINALS, INCLUDING SCREWS AND BOLTS, ACCORDING TO EQUIPMENT MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES FOR EQUIPMENT CONNECTORS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTORS AND TERMINALS ACCORDING TO TIGHTENING TORQUES SPECIFIED IN UL STANDARD 486A.

MINIMUM BRANCH CIRCUIT CONDUCTOR SIZE: PROVIDE THE FOLLOWING MINIMUM SIZES FOR DISTANCES LISTED ON 20A BRANCH CIRCUITS TO PREVENT EXCESSIVE VOLTAGE DROP. THE CIRCUIT LENGTH SHALL BE MEASURED ALONG THE LENGTH OF THE CONDUCTOR FROM THE CIRCUIT BREAKER IN THE PANELBOARD TO THE LAST DEVICE ON THE CIRCUIT. INCREASE RACEWAY SIZE TO COMPLY WITH CONDUCTOR FILL REQUIREMENTS OF NFPA 70.

1. CIRCUIT LENGTHS LESS THAN 70 FEET: PROVIDE MINIMUM #12 AWG CONDUCTOR SIZE.

2. CIRCUIT LENGTHS BETWEEN 70 FEET AND 110 FEET: PROVIDE MINIMUM #10 AWG CONDUCTOR SIZE.

3. CIRCUIT LENGTHS BETWEEN 110 FEET AND 170 FEET: PROVIDE MINIMUM #8 AWG CONDUCTOR SIZE.

4. CIRCUIT LENGTHS GREATER THAN 170 FEET: PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.

METAL CLAD (MC) CABLE:
1. MC CABLE MAY BE USED WHERE CONCEALED IN WALLS OR ABOVE CEILINGS. MC CABLE IS NOT PERMITTED IN THE ELECTRICAL ROOM OR IN AREAS OF OPEN CEILING.

VCBO

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REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

ELECTRICAL SPECIFICATIONS

EE702

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SECTION 260529 - WIRING DEVICES

PRODUCTS

WIRING DEVICES: COMPLY WITH NEMA STANDARD WD 1, "GENERAL PURPOSE WIRING DEVICES."

COLOR: AS SELECTED BY ARCHITECT/OWNER, EXCEPT AS OTHERWISE INDICATED OR REQUIRED BY CODE.

STANDARD DUPLEX RECEPTACLES: 20A DEVICES; PROVIDE NYLON FACE, BACK AND SIDE WIRING. COMPLY WITH FEDERAL SPECIFICATION W-C-596 AND HEAVY-DUTY GRADE OF UL STANDARD 498, "ELECTRICAL ATTACHMENT PLUGS AND RECEPTACLES." PROVIDE NRTL LABELING OF DEVICES TO VERIFY THESE COMPLIANCES.

GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) RECEPTACLES: UL STANDARD 943, "GROUND FAULT CIRCUIT INTERRUPTERS," FEED-THROUGH TYPE, WITH INTEGRAL NEMA 5-20R DUPLEX RECEPTACLE ARRANGED TO PROTECT CONNECTED DOWNSTREAM RECEPTACLES ON THE SAME CIRCUIT. DESIGN UNITS FOR INSTALLATION IN A 2-3/4-INCH (70-MM) DEEP OUTLET BOX WITHOUT AN ADAPTER.

SNAP SWITCHES: 20A DEVICES; PROVIDE NYLON FACE, QUIET-TYPE A.C. SWITCHES, NRTL LISTED AND LABELED AS COMPLYING WITH UL STANDARD 20 "GENERAL USE SNAP SWITCHES," AND WITH FEDERAL SPECIFICATION W-S-896.

TELEPHONEJACK: RJ-45, 8-POSITION, MODULAR, LATCHING-PLUG TYPE, FLUSH IN FACE OF WALL PLATED.

WALL PLATES: SINGLE AND COMBINATION TYPES THAT MATE AND MATCH WITH CORRESPONDING WIRING DEVICES. FEATURES INCLUDE THE FOLLOWING:

1. COLOR: MATCHES WIRING DEVICE EXCEPT AS OTHERWISE INDICATED.
2. PLATE-SECURING SCREWS: METAL WITH HEADS COLORED TO MATCH PLATE FINISH.
3. MATERIAL FOR FINISHED SPACES: NYLON EXCEPT AS OTHERWISE INDICATED.
4. MATERIAL FOR UNFINISHED SPACES: STAINLESS STEEL.

EXECUTION

WIRING DEVICES SHALL CONNNECT CONDUCTORS USING THREADED SCREWS. DO NOT USE PUSH-IN QUICK-WIRECONNECTIONS.

DO NOT USE GFCI FEED-THROUGHS,

INSTALL DEVICES AND ASSEMBLIES PLUMB AND SECURE. PROTECT DEVICES AND ASSEMBLIES DURING PAINTING AND INSTALL WALL PLATES WHEN PAINTING IS COMPLETE.

ARRANGEMENT OF DEVICES: EXCEPT AS OTHERWISE INDICATED, MOUNT FLUSH, WITH LONG DIMENSION VERTICAL, AND GROUNDING TERMINAL OF RECEPTACLES ON TOP. GROUP ADJACENT SWITCHES UNDER SINGLE, MULTIGANG WALL PLATES.

SECTION 260543 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

PRODUCTS

MANUFACTURED SUPPORTING DEVICES:

1. RACEWAY SUPPORTS: CLEVIS HANGERS, RISER CLAMPS, CONDUIT STRAPS, THREADED C-CLAMPS WITH RETAINERS, CEILING TRAPEZE HANGERS, WALL BRACKETS, AND SPRING STEEL CLAMPS.

2. FASTENERS: TYPES, MATERIALS, AND CONSTRUCTION FEATURES AS FOLLOWS:

a. EXPANSION ANCHORS: CARBON STEEL WEDGE OR SLEEVE TYPE.
b. TOGGLE BOLTS: ALL STEEL SPRINGHEAD TYPE.
c. POWDER-DRIVEN THREADED STUDS: HEAT-TREATED STEEL, DESIGNED SPECIFICALLY FOR THE INTENDED SERVICE.

3. U-CHANNEL SYSTEMS: 16-GAGE STEEL CHANNELS, WITH 9/16-INCH- DIAMETER HOLES, AT A MINIMUM OF 8 INCHES ON CENTER, IN TOP SURFACE. PROVIDE FITTINGS AND ACCESSORIES THAT MATE AND MATCH WITH U-CHANNELAND ARE OF THE SAME MANUFACTURER.

FABRICATED SUPPORTING DEVICES: SHOP-OR FIELD-FABRICATED SUPPORTS OR MANUFACTURED SUPPORTS ASSEMBLED FROM U-CHANNEL COMPONENTS.

1. STEEL BRACKETS: FABRICATED OF ANGLES, CHANNELS, AND OTHER STANDARD STRUCTURAL SHAPES. CONNECT WITH WELDS AND MACHINE BOLTS TO FORM RIGID SUPPORTS.

EXECUTION

INSTALL SUPPORTING DEVICES TO FASTEN ELECTRICAL COMPONENTS SECURELY AND PERMANENTLY TO BUILDING STRUCTURE IN ACCORDANCE WITH NEC REQUIREMENTS. COORDINATE WITH THE BUILDING STRUCTURAL SYSTEM AND WITH OTHER ELECTRICAL INSTALLATION.

RACEWAY SUPPORTS: COMPLY WITH THE NEC AND THE FOLLOWING REQUIREMENTS:

1. CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR SELECTION AND INSTALLATION OF SUPPORTS.

2. STRENGTH OF EACH SUPPORT SHALL BE ADEQUATE TO CARRY PRESENT AND FUTURE LOAD MULTIPLIED BY A SAFETY FACTOR OF AT LEAST FOUR, BUT IN NO CASES SHALL BE LESS THAN 200 LBS IN THE STRENGTH OF EACH SUPPORT.

3. INSTALL INDEPENDENT AND LISTED INDIVIDUAL AND MULTIPLE (TRAPEZE) RACEWAY HANGERS AND RISER CLAMPS AS NECESSARY TO SUPPORT RACEWAYS. PROVIDE U-BOLTS, CLAMPS, ATTACHMENTS, AND OTHER HARDWARE NECESSARY FOR HANGER ASSEMBLY AND FOR SECURING HANGER RODS AND CONDUITS.

MISCELLANEOUS SUPPORTS: SUPPORT MISCELLANEOUS ELECTRICAL COMPONENTS AS REQUIRED TO PRODUCE THE SAME STRUCTURAL SAFETY FACTORS AS SPECIFIED FOR RACEWAY SUPPORTS. INSTALL METAL CHANNEL RACKS FOR MOUNTING CABINETS, PANELBOARDS, DISCONNECTS, CONTROL ENCLOSURES, PULL BOXES, JUNCTION BOXES, TRANSFORMERS, AND OTHER DEVICES.

IN OPEN OVERHEAD SPACES, SUPPORT SHEET METAL BOXES INDEPENDANTLY AND DIRECTLY FROM THE BUILDING STRUCTURE OR BY BAR HANGERS. WHERE BAR HANGERS ARE USED, ATTACH THE BAR TO RACEWAYS ON OPPOSITE SIDES OF THE BOX AND SUPPORT THE RACEWAY WITH AN APPROVED TYPE OF FASTENER NOT MORE THAN 24 INCHES FROM THE BOX.

OUTLET BOXES: PROVIDE OUTLET BOXES WITH RIGID SUPPORT USING METAL BAR HANGERS BETWEEN STUDS.

SECTION 260548 – GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

PRODUCTS

GROUNDING AND BONDING PRODUCTS: TYPES AS INDICATED. WHERE TYPES, SIZES, RATINGS, AND QUANTITIES INDICATED DIFFER FROM NEC REQUIREMENTS, THE MORE STRINGENT REQUIREMENTS AND THE GREATER SIZE, RATING, AND QUANTITY INDICATIONS GOVERN.

CONDUCTOR MATERIALS: COPPER.

EQUIPMENT GROUNDING CONDUCTOR: GREEN INSULATED.

GROUNDING ELECTRODE CONDUCTOR: STRANDED CABLE.

BARE COPPER CONDUCTORS: CONFORM TO THE FOLLOWING:

1. SOLID CONDUCTORS: ASTM B-3.

2. ASSEMBLY OF STRANDED CONDUCTORS: ASTM B-8.

3. TINNED CONDUCTORS: ASTM B-33.

GROUND BUS: BARE ANNEALED COPPER BARS OF RECTANGULAR CROSS-SECTION.

BRAIDED BONDING JUMPERS: COPPER TAPE, BRAIDED FROM NO. 30-GAGE BARE COPPER W IRE AND TERMINATED WITH COPPER FERRULES.

BONDING STRAP CONDUCTOR/CONNECTORS: SOFT COPPER, 0.05 INCH THICK AND 2 INCHES WIDE, EXCEPT AS INDICATED.

CONNECTOR PRODUCTS: LISTED AND LABELED AS GROUNDING CONNECTORS FOR THE MATERIALS WITH WHICH USED.

PRESSURE CONNECTORS: HIGH-CONDUCTIVITY PLATED UNITS.

BOLTED CLAMPS: HEAVY-DUTY UNITS LISTED FOR THE APPLICATION.

EXOTHERMIC WELDED CONNECTIONS: PROVIDED IN KIT FORM AND SELECTED FOR THE SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS TO BE CONNECTED.

GROUND RODS: COPPER-CLAD STEEL, 3/4 INCH BY 10 FEET, MINIMUM.

EXECUTION

EQUIPMENT GROUNDING CONDUCTOR APPLICATION: COMPLY WITH NEC ARTICLE 250 FOR SIZES AND QUANTITIES OF EQUIPMENT GROUNDING CONDUCTORS, EXCEPT WHERE LARGER SIZES OR MORE CONDUCTORS ARE INDICATED. INSTALL EQUIPMENT GROUND CONDUCTORS IN ALL FEEDER AND BRANCH CIRCUIT RACEWAYS.

SIGNAL AND COMMUNICATIONS: FOR TELEPHONE, ALARM, AND COMMUNICATION SYSTEMS, PROVIDE A #4 AWG MINIMUM GREEN INSULATED COPPER CONDUCTOR IN RACEWAY FROM THE GROUNDING ELECTRODE SYSTEM TO EACH TERMINAL CABINET OR CENTRAL EQUIPMENT LOCATION.

SEPARATELY DERIVED SYSTEMS REQUIRED BY NEC TO BE GROUNDED SHALL BE GROUNDED AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

INSTALLATION, GENERAL: GROUND ELECTRICAL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH NEC EXCEPT WHERE GROUNDING IN EXCESS OF NEC REQUIREMENTS IS INDICATED.

GROUNDING ELECTRODE CONDUCTOR: PROVIDE INSULATED COPPER CONDUCTOR, SIZED AS INDICATED, IN CONDUIT. BOND THE GROUND CONDUCTOR CONDUIT TO THE CONDUCTOR AT EACH END. WHERE A DIELECTRIC FITTING IS INSTALLED IN THE MAIN METALLIC WATER SERVICE PIPE, CONNECT THE GROUND CONDUCTOR TO THE STREET SIDE OF THE FITTING. DO NOT INSTALL A GROUNDING JUMPER AROUND DIELECTRIC FITTINGS. BOND THE GROUND CONDUCTOR CONDUIT TO THE CONDUCTOR AT EACH END.

ROUTE GROUNDING AND BONDING CONDUCTORS USING THE SHORTEST AND STRAIGHTEST PATHS POSSIBLE WITHOUT OBSTRUCTING ACCESS OR PLACING CONDUCTORS W HERE THEY MAY BE SUBJECTED TO STRAIN, IMPACT, OR DAMAGE, EXCEPT AS INDICATED.

CONNECTIONS: MAKE CONNECTIONS IN SUCH A MANNER AS TO MINIMIZE POSSIBILITY OF GALVANIC ACTION OR ELECTROLYSIS. SELECT CONNECTORS, CONNECTION HARDWARE, CONDUCTORS, AND CONNECTION METHODS SO METALS IN DIRECT CONTACT WILL BE GALVANICALLY COMPATIBLE

TIGHTEN GROUNDING AND BONDING CONNECTORS AND TERMINALS, INCLUDING SCREW S AND BOLTS, IN ACCORDANCE W ITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR CONNECTORS AND BOLTS. W HERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTIONS TO COMPLY W ITH TIGHTENING TORQUE VALUES SPECIFIED IN UL 486A AND UL 486B.

COMPRESSION-TYPE CONNECTIONS: USE HYDRAULIC COMPRESSION TOOLS TO PROVIDE THE CORRECT CIRCUMFERENTIAL PRESSURE FOR COMPRESSION CONNECTORS. USE TOOLS AND DIES RECOMMENDED BY THE MANUFACTURER OF THE CONNECTORS. PROVIDE EMBOSSING DIE CODE OR OTHER STANDARD METHOD TO MAKE A VISIBLE INDICATION THAT A CONNECTOR HAS BEEN ADEQUATELY COMPRESSED ON THE CONDUCTOR.

MOISTURE PROTECTION: WHERE INSULATED CONDUCTORS ARE CONNECTED TO GROUND RODS OR GROUND BUSES, INSULATE THE ENTIRE AREA OF THE CONNECTION AND SEAL AGAINST MOISTURE PENETRATION OF THEINSULATION AND CABLE.

GROUND/RESISTANCE MAXIMUM VALUES SHALL BE AS FOLLOWS:

1. EQUIPMENT RATED 500 KVA AND LESS: 10 OHMS.

DEFICIENCIES: W ERE GROUND RESISTANCES EXCEED SPECIFIED VALUES, AND IF DIRECTED, MODIFY THE GROUNDING SYSTEM TO REDUCE RESISTANCE VALUES. WHERE MEASURES ARE DIRECTED THAT EXCEED THOSE INDICATED THE PROVISIONS OF THE CONTRACT, COVERING CHANGES WILL APPLY.

SECTION 265100 –INTERIOR LIGHTING

GENERAL

PROVIDE 10% SPARE LAMPS, DIFFUSERS, AND GLASS FOR EACH LIGHT FIXTURE TYPE WITH NOT LESS THAN ONE FOR LESS THAN 10.

PRODUCTS

COMPLY WITH THE REQUIREMENTS SPECIFIED IN THE ARTICLES BELOW AND LIGHTING FIXTURE SCHEDULE.

METAL PARTS: FREE FROM BURRS AND SHARP CORNERS AND EDGES.

SHEET METAL COMPONENTS: STEEL, EXCEPT AS INDICATED. COMPONENTS ARE FORMED AND SUPPORTED TO PREVENT WARPING AND SAGGING.

DOORS, FRAMES, AND OTHER INTERNAL ACCESS: SMOOTH OPERATING AND FREE FROM LIGHT LEAKAGE UNDER OPERATING CONDITIONS. ARRANGE TO PERMIT RELAMPING WITHOUT USE OF TOOLS. ARRANGE DOORS, FRAMES, LENSES, DIFFUSERS, AND OTHER PIECES TO PREVENT ACCIDENTAL FALLING DURING RELAMPING AND WHEN SECURED IN THE OPERATING POSITION.

REFLECTING SURFACES: MINIMUM REFLECTANCES AS FOLLOWS, EXCEPT AS OTHERWISE INDICATED:

1. WHITE SURFACES: 85 PERCENT.

2. SPECULAR SURFACES: 83 PERCENT.

3. DIFFUSING SPECULAR SURFACES: 75 PERCENT.

4. LAMINATED SILVER METALLIZED FILM: 90 PERCENT.

LENSES, DIFFUSERS, COVERS, AND GLOBES: 100 PERCENT VIRGIN ACRYLIC PLASTIC OR WATER WHITE, ANNEALED CRYSTAL GLASS EXCEPT AS INDICATED.

1. PLASTIC: HIGHLY RESISTANT TO YELLOWING AND OTHER CHANGES DUE TO AGING, EXPOSURE TO HEAT AND UV RADIATION. LENS THICKNESS: 0.125 INCHES, MINIMUM.

SINGLE-STEM HANGERS: 1/2-INCH STEEL TUBING WITH SWIVEL BALL FITTING AND CEILING CANOPY. FINISH SAME AS FIXTURE.

TWIN-STEM HANGERS: TWO, 1/2-INCH STEEL TUBES WITH SINGLE CANOPY ARRANGED TO MOUNT A SINGLE FIXTURE. FINISH SAME AS FIXTURE.

ROD HANGERS: 3/16-INCH DIAMETER CADMIUM PLATED, THREADED STEEL ROD.

HOOK HANGER: INTEGRATED ASSEMBLY MATCHED TO FIXTURE AND LINE VOLTAGE AND EQUIPPED WITH THREADED ATTACHMENT, CORD, AND LOCKING-TYPE PLUG.

EXIT SIGNS: CONFORM TO UL924, "EMERGENCY LIGHTING AND POWER EQUIPMENT," AND THE FOLLOWING:

1. SIGN COLORS: CONFORM TO LOCAL CODE.

2. MINIMUM HEIGHT OF LETTERS: CONFORM TO LOCAL CODE.

3. ARROWS: INCLUDE AS INDICATED.

4. LAMPS FOR AC OPERATION: LED.

EMERGENCY LIGHTING UNITS: CONFORM TO UL924, "EMERGENCY LIGHTING AND POWER EQUIPMENT" REQUIREMENTS FOR "UNIT EQUIPMENT." PROVIDE SELF-CONTAINED UNITS WITH THE FOLLOWING FEATURES AND ADDITIONAL CHARACTERISTICS AS INDICATED.

1. BATTERY: SEALED, MAINTENANCE-FREE, LEAD-ACID TYPE WITH 10 YEAR NOMINAL LIFE MINIMUM, AND SPECIAL PROJECT WARRANTY.

2. CHARGER: MINIMUM TWO-RATE, FULLY-AUTOMATIC, SOLID-STATE TYPE, WITH SEALED TRANSFER RELAY.

3. OPERATION: RELAY AUTOMATICALLY TURNS LAMP ON WHEN SUPPLY CIRCUIT VOLTAGE DROPS TO 80-PERCENT OF NOMINAL OR BELOW. LAMP AUTOMATICALLY DISCONNECTS FROM BATTERY WHEN VOLTAGE APPROACHES DEEP-DISCHARGE LEVEL.

4. RELAY DISCONNECTS LAMPS AND BATTERY AUTOMATICALLY RECHARGES AND FLOATS ON TRICKLE CHARGE WHEN NORMAL VOLTAGE IS RESTORED.

5. WIRE GUARD: WHERE INDICATED, PROVIDE HEAVY CHROME PLATED WIRE GUARD ARRANGED TO PROTECT LAMP HEADS OR FIXTURES.

6. TIME-DELAY RELAY: PROVIDE TIME-DELAY RELAY IN EMERGENCY LIGHTING UNIT CONTROL CIRCUIT ARRANGED TO HOLD UNIT "ON" FOR FIXED INTERVAL AFTER RESTORATION OF POWER FROM AN OUTAGE. PROVIDE ADEQUATE TIME DELAY TO PERMIT HID LAMPS TO RESTRIKE AND DEVELOP ADEQUATE OUTPUT.

7. INTERNAL TYPE: SELF-CONTAINED, MODULAR, BATTERY-INVERTER UNIT FACTORY-MOUNTED WITHIN THE FIXTURE BODY.

A. TEST SWITCH AND LED INDICATOR LIGHT: VISIBLE AND ACCESSIBLE WITHOUT OPENING FIXTURE OR ENTERING CEILING SPACE.

B. BATTERY: SEALED, MAINTENANCE-FREE, NICKEL-CADMIUM TYPE, WITH A MINIMUM NOMINAL 10-YEAR LIFE.

C. CHARGER: FULLY-AUTOMATIC, SOLID-STATE, CONSTANT-CURRENT TYPE.

D. OPERATION: RELAY AUTOMATICALLY TURNS 2 LAMPS ON WHEN SUPPLY CIRCUIT VOLTAGE DROPS TO 80-PERCENT OF NOMINAL OR BELOW. RELAY DISCONNECTS LAMP AND BATTERY AUTOMATICALLY RECHARGES WHEN NORMAL VOLTAGE IS RESTORED.

LAMPS: PROVIDE LAMPS FOR EACH FIXTURE INDICATED. CONFORM TO ANSI STANDARDS, C78 SERIES APPLICABLE TO EACH TYPE OF LAMP. LAMPS SHALL BE TCLIP COMPLIANT, WHERE LAMPS ARE NOT INDICATED, PROVIDE LAMPS RECOMMENDED BY MANUFACTURER.

STEEL PARTS FINISH: MANUFACTURER'S STANDARD FINISH APPLIED OVER CORROSION-RESISTANT PRIMER, FREE OF STREAKS, RUNS, HOLIDAYS, STAINS, BLISTERS, AND DEFECTS. REMOVE FIXTURES SHOWING EVIDENCE OF CORROSION DURING PROJECT WARRANTY PERIOD AND REPLACE WITH NEW FIXTURES.

1. OTHER PARTS: MANUFACTURER'S STANDARD FINISH.

EXECUTION

INSTALLATION: UNLESS OTHERWISE INDICATED, INSTALL LIGHTING FIXTURES AS FOLLOWS:

1. SETTING AND SECURING: SET UNITS PLUMB, SQUARE, AND LEVEL WITH CEILING AND WALLS, AND SECURE ACCORDING TO MANUFACTURER'S PRINTED INSTRUCTIONS AND APPROVED SHOP DRAWINGS.

2. CONNECT EQUIPMENT GROUNDING CONDUCTOR TO FIXTURE HOUSING.

3. PROVIDE INDEPENDENT SAFETY WIRES ATTACHED TO STRUCTURE AT THE DIAGONAL CORNERS OF LIGHTING FIXTURES IN COMPLIANCE WITH SEISMIC REQUIREMENTS.

4. SUPPORT FOR RECESSED AND SEMIRECESSED FIXTURES: INSTALLED UNITS MAY BE SUPPORTED FROM SUSPENDED CEILING SUPPORT SYSTEM. INSTALL CEILING SYSTEM SUPPORT RODS OR WIRES AT A MINIMUM OF FOUR RODS OR WIRES PER FIXTURE LOCATED NOT MORE THAN 6 INCHES FROM FIXTURE CORNERS.

A. FIXTURES SMALLER THAN CEILING GRID: INSTALL A MINIMUM OF FOUR RODS OR WIRES FOR EACH FIXTURE AND LOCATE AT CORNER OF THE CEILING GRID WHERE THE FIXTURE IS LOCATED. DO NOT SUPPORT FIXTURES BY CEILING ACOUSTICAL PANELS.

B. FIXTURES OF SIZES LESS THAN CEILING GRID: CENTER IN THE ACOUSTICAL PANEL. SUPPORT FIXTURES INDEPENDENTLY WITH AT LEAST TWO 3/4-INCH METAL CHANNELS SPANNING AND SECURED TO THE CEILING TEES.

C. INSTALL SUPPORT CLIPS FOR RECESSED FIXTURES, SECURELY FASTENED TO CEILING GRID MEMBERS, AT OR NEAR EACH FIXTURE CORNERS.

5. SUPPORT FOR SUSPENDED FIXTURES: BRACE PENDANTS AND RODS THAT ARE 4-FEET LONG OR LONGER TO LIMIT SWINGING. SUPPORT STEM MOUNTED SINGLE-UNIT SUSPENDED LED FIXTURES WITH TWIN-STEM HANGERS. FOR CONTINUOUS ROWS, USE TUBING OR STEM FOR WIRING AT ONE POINT AND TUBING OR ROD FOR SUSPENSION FOR EACH UNIT LENGTH OF CHASSIS, INCLUDING ONE AT EACH END. PROVIDE SWIVEL BASES FOR STEMS SUPPORTING LIGHT FIXTURES WHICH EXCEED 12" IN LENGTH.

6. LAMPING: LAMP UNITS ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

7. RECESSED LIGHTING FIXTURES IN ACOUSTICAL TILE CEILING SHALL BE LOCATED CENTERED OF A SINGLE TILE.

ADJUSTING AND CLEANING: CLEAN FIXTURES UPON COMPLETION OF INSTALLATION. USE METHODS AND MATERIALS RECOMMENDED BY MANUFACTURER. ADJUST AIMABLE FIXTURES TO PROVIDE REQUIRED LIGHT INTENSITIES.

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VCBO NUMBER: 20530.03
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DATE: AUGUST 27, 2025

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REV DATE DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

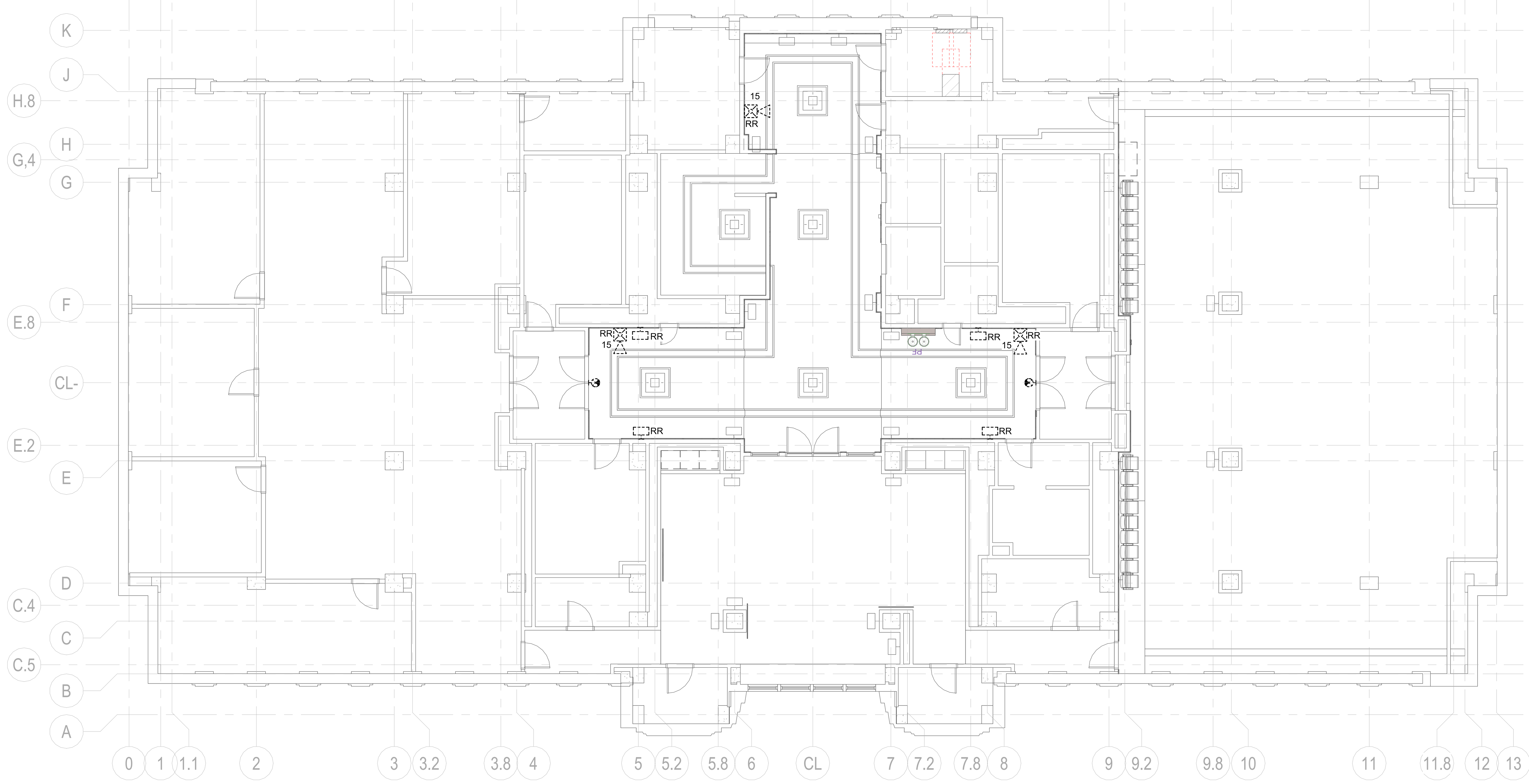
2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

ELECTRICAL SPECIFICATIONS

EE703

8/27/2025 4:06:05 PM

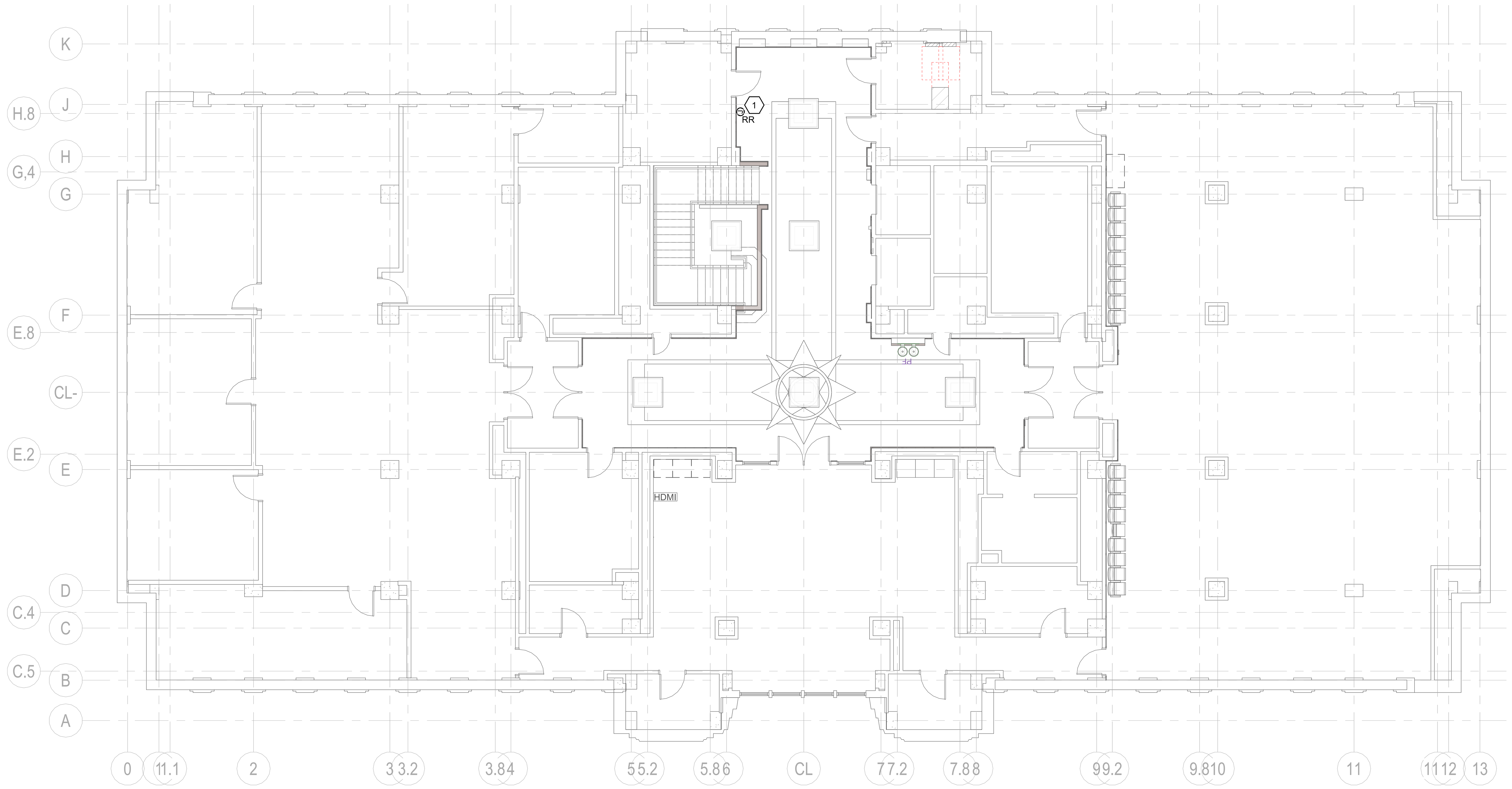


C1 LEVEL 3 CEILING DEMOLITION PLAN

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

0 4' 8' 16'

NORTH



A1 LEVEL 3 ELECTRICAL DEMOLITION PLAN

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

0 4' 8' 16'

NORTH

GENERAL SHEET NOTES

1 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.

2 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

3 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.

4 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

5 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.

6 UPDATE ALL PANEL SCHEDULES WITH TYPE WRITTEN SCHEDULES WHERE LOADS ARE ADJUST, REMOVED OR ADDED AS PART OF THIS PROJECT.

7 ABBREVIATION "UNK" INDICATES THE BRANCH CIRCUIT IS UNKNOWN WHERE IT FED FROM. CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY CIRCUIT AND PROVIDE THE REQUIRED SERVICES TO COMPLETE THE INTENDED SCOPE OF WORK.

8 PATCH AND REPAIR ALL WALLS, FLOORS AND CEILINGS THAT ARE TO REMAIN WHERE THEY ARE DAMAGED FOR TO COMPLETE THE ELECTRICAL SCOPE.

SHEET KEYNOTES

1 CONTRACTOR TO REMOVE AND RELOCATE EXISTING FIRE FIGHTER TELEPHONE CONNECTION.

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REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

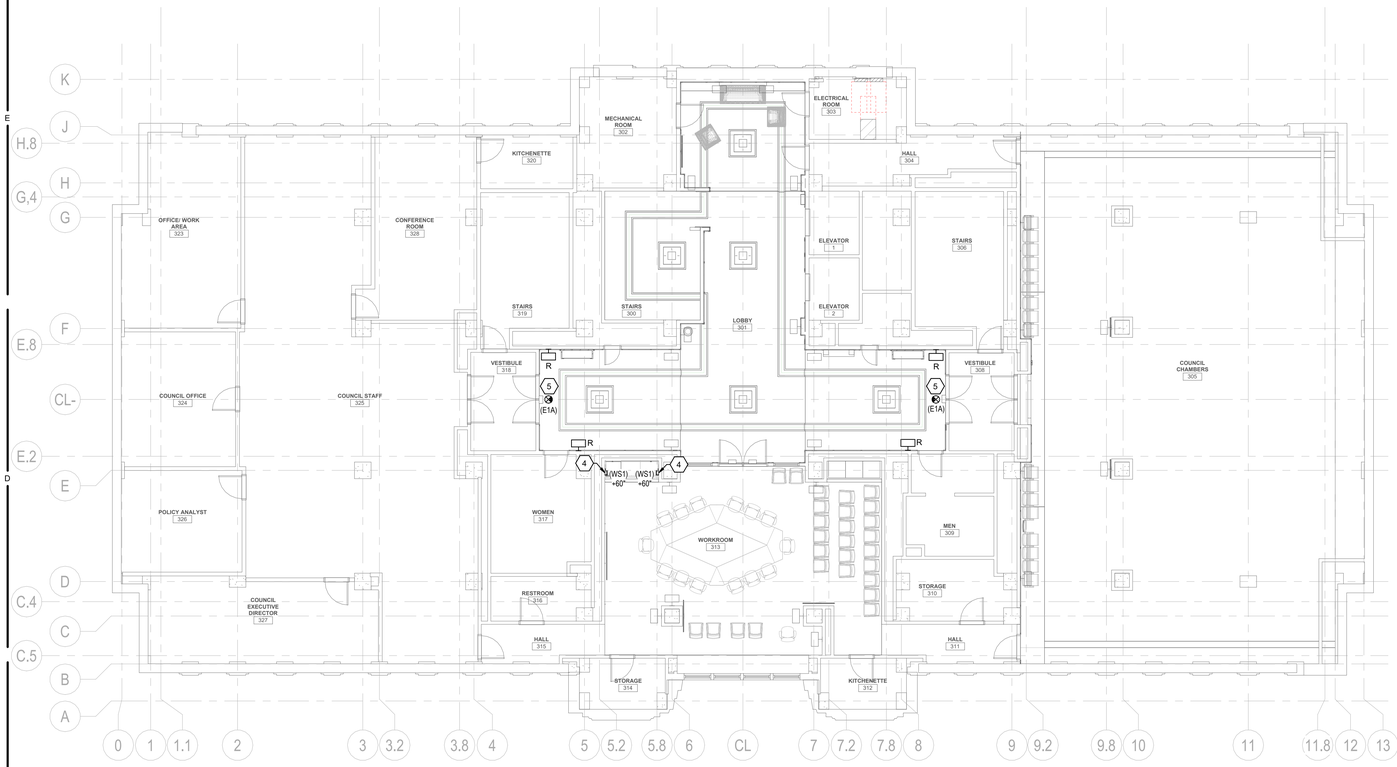
2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

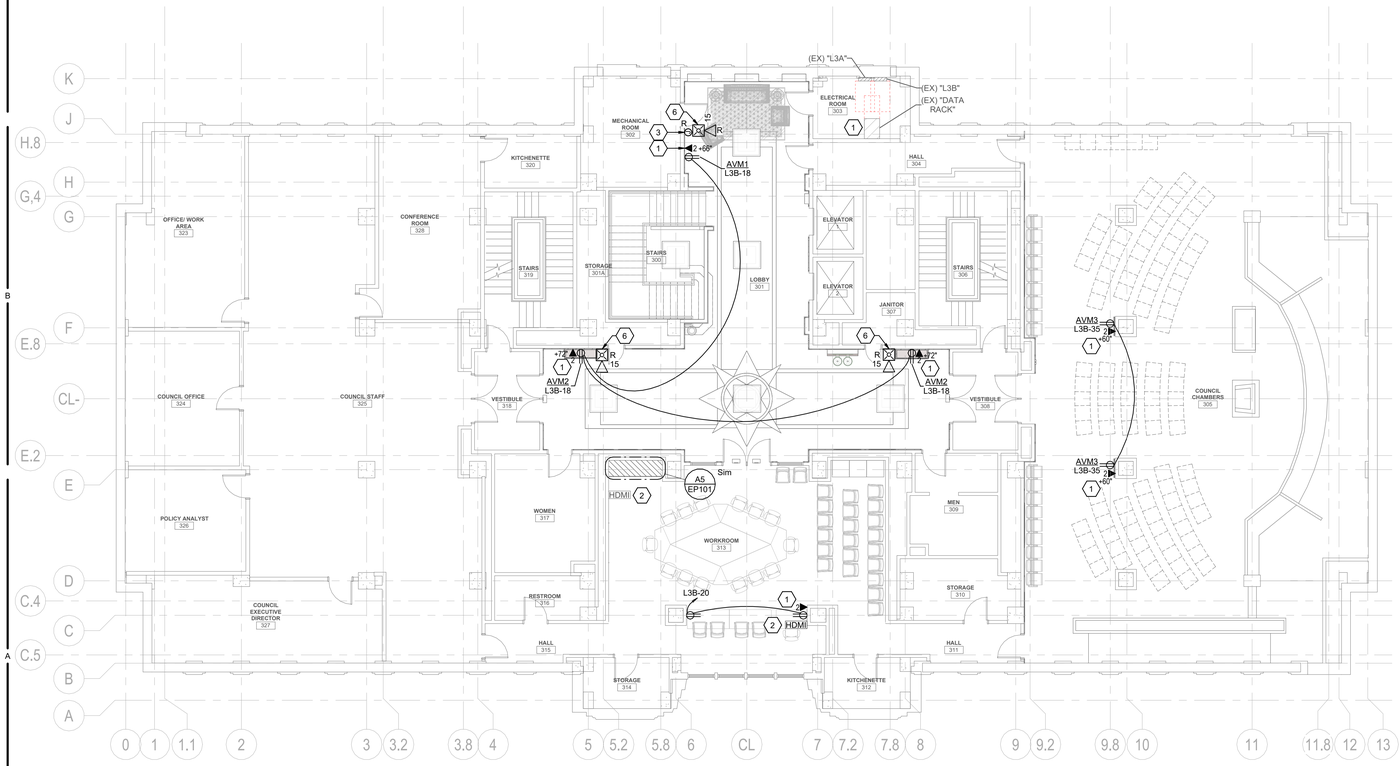
LEVEL 3 DEMOLITION PLANS

ED101

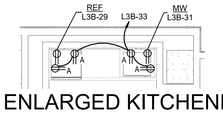
8/27/2025 4:06:10 PM



C1 LEVEL 3 ELECTRICAL CEILING PLAN
SCALE: 1/8" = 1'-0"



A1 LEVEL 3 ELECTRICAL FLOOR PLAN
SCALE: 1/8" = 1'-0"



A5 ENLARGED KITCHENETTE 313 POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1 UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN IN DARK AND SOLID LINES ARE NEW AND THE CONTRACTOR SHALL PROVIDE THEM. ITEMS SHOWN IN SOLID LIGHT LINES ARE TO REMAIN.

2 CONTRACTOR SHALL UPDATE ALL NEW AND EXISTING PANEL SCHEDULES WITH NEW CIRCUIT DATA. SCHEDULE SHALL BE ON A CARD STOCK TYPE OF MATERIAL AND TYPED WITH THE UPDATED INFORMATION.

3 PROVIDE BLANK FACEPLATES AT ALL LOCATIONS WHERE DEVICES WERE DEMOLISHED BUT RACEWAY WAS LEFT TO REMAIN AND NO NEW DEVICES ARE BEING INSTALLED AT THAT LOCATION.

4 REFER TO EE701 FOR TYPICAL MOUNTING AND ALIGNMENT OF ELECTRICAL DEVICES.

5 ALL PATHWAYS FOR LOW VOLTAGE CABLING NOT REQUIRED TO BE IN CONDUITS SHALL BE ROUTED IN J-HOOK PATHWAYS. CONCEAL ALL PATHWAYS ABOVE ACCESSIBLE CEILING SPACES. DO NOT RUN CABLES IN EXPOSED AREAS. WHERE CONCEALMENT IS NOT POSSIBLE IN EXPOSED AREAS, CONTRACTOR SHALL PROVIDE CONDUIT TO ROUTE CABLING WHERE VISIBLE. ALL CONDUIT SHALL BE PAINED TO MATCH CEILING AND PROVIDED WITH PROTECTIVE BUSHINGS.

6 CONTRACTOR SHALL PROVIDE DEMOLITION AND PATCH AND REPAIR OF ANY WALLS, CEILINGS, FLOORS, ETC TO ROUTE RACEWAYS AND EQUIPEMNT.

7 COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES ON THIS LEVEL WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

8 CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MOUNTING HARDWARE ALONG WITH REQUIRED SEISMIC BRACING FOR EACH FIXTURE.

9 FIRE ALARM NOTIFICATION DEVICES SHALL BE ADJUSTED AS REQUIRED TO PROVIDE PROPER COVERAGE AND SOUND LEVELS.

10 ALL FIRE ALARM DEVICES SHALL BE MOUNTED SUCH THAT THEY ARE VISIBLE FROM THE GROUND AND EASILY ACCESSIBLE FOR MAINTENANCE.

11 MAINTAIN MAXIMUM SEPERATION BETWEEN A/V SYSTEM CONDUIT AND ALL POWER CONDUIT.

12 DEVICES MARKED "R" ARE TO BE RELOCATED AND REINSTALLED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

SHEET KEYNOTES

1 CONTRACTOR TO ROUTE DATA CABLE FROM EXISTING PATCH PANEL IN DATA RACK. NEW CABLING TO BE SUPPORTED VIA EXISTING J-HOOKS. NEW CABLE AND FACEPLATES TO MATCH EXISTING COLORS.

2 CONTRACTOR TO PROVIDE A NEW HDMI CONNECTION POINT, SAME AS EXISTING ON SOUTH WALL, FED FROM AV RACK LOCATED IN STORAGE ROOM 310.

3 CONTRACTOR TO REMOVE AND RELOCATE EXISTING FIRE FIGHTER TELEPHONE CONNECTION.

4 NEW FIXTURES TO BE CONTROLLED AND CIRCUITED TO EXISTING LIGHTING BRANCH CIRCUIT IN ROOM. COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

5 CONTRACTOR TO CIRCUIT TO EXISTING EXIT SIGN CIRCUIT FROM EXIT SIGN DEMO. EXTEND CIRCUIT AS REQUIRED.

6 COORDINATE EXACT LOCATION OF FA DEVICE WITH A/V MONITOR PRIOR TO ROUGH-IN.

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REV	DATE	DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

LEVEL 3 ELECTRICAL AND ENLARGED POWER PLANS

EP101

8/27/2025 4:06:15 PM

ELECTRICAL FIXTURE SCHEDULE

EQUIPMENT SCHEDULE KEY
E - DIVISION 26
Q - FURNISHED WITH EQUIPMENT

NOTES:
1. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.

ITEM NO.	QTY	DESCRIPTION	MOUNTING HEIGHT (AFF)	LOAD DATA				LOAD DATA	WIRE AND CONDUIT SIZE	CONNECTION TYPE		ELECTRICAL REMARKS
				VOLT	PHASE	AMPS	kW	HP		FURN BY	DEVICE	
AVM1	1	WALL MOUNTED MONITOR	+66"	120	1	3	0.4	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	1
AVM2	2	WALL MOUNTED MONITOR	+72"	120	1	3	0.4	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	1
AVM3	2	WALL MOUNTED MONITOR	+60"	120	1	3	0.4	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	1
MW	1	MICROWAVE	+24"	120	1	10	1.2	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
REF	1	REFRIGERATOR	+18"	120	1	10	1.2	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	

(EXISTING) PANEL: "L3B"

VOLTS/PHASE/WIRE:	PANEL SIZE & TYPE:	MAIN SIZE AND TYPE:	FED FROM:	CABINET:	LOCATION:	NOTES:
120/208V, 3 PH 4 WIRE	22" W x 6" D, BOLT-ON	225 AMPERE MAIN LUGS	L3A	SURFACE	ELECTRICAL ROOM 303	

ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR **AIC RATING:** 0

CKT	OCP			LOAD (kVA)				PHASE LOAD				LOAD (kVA)			OCP			CKT
NO	AMP	POLE	BKR	LTG	PWR	CO	DESCRIPTION	A		B		C		DESCRIPTION	CO	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*	0.0	0.0					*EXISTING LOAD*	0.0	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*			0.0	0.0			*EXISTING LOAD*	0.0	0.0	0.0		1	20	4
5	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*					0.0	0.0	*EXISTING LOAD*	0.0	0.0	0.0		1	20	6
7	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*	0.0	0.0					*EXISTING LOAD*	0.0	0.0	0.0		1	20	8
9	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*			0.0	0.0			*EXISTING LOAD*	0.0	0.0	0.0		1	20	10
11	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*					0.0	0.0	*EXISTING LOAD*	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*	0.0	0.0					*EXISTING LOAD*	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*			0.0	0.0			*EXISTING LOAD*	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*					0.0	1.1	AV MONITORS LOBBY 301	0.0	1.1	0.0		1	20	18
19	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*	0.0	0.4					CO WORKROOM 313	0.4	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	*CUBICLE RECEPTACLE*			0.0	--			*SPARE*	0.0	0.0	0.0		1	--	22
23	20	1		0.0	0.0	0.0	*EXISTING LOAD*					0.0	--	*SPARE*	0.0	0.0	0.0		3	--	24
25	20	1		0.0	0.0	0.0	*EXISTING LOAD*	0.0	--					--	--	--	--	--	--	--	26
27	20	1		0.0	0.0	0.0	*EXISTING LOAD*			0.0	--			--	--	--	--	--	--	--	28
29	20	1		0.0	1.2	0.0	REFRIGERATOR WORKROOM 313					1.2	--	*--SPACE--*	0.0	0.0	0.0		1	--	30
31	20	1		0.0	1.2	0.0	MICROWAVE WORKROOM 313	1.2	--					*--SPACE--*	0.0	0.0	0.0		1	--	32
33	20	1		0.0	0.0	0.7	CO KITCHENETTE 313			0.7	--			*--SPACE--*	0.0	0.0	0.0		1	--	34
35	20	1		0.0	0.7	0.0	AV MONITORS CC 305					0.7	--	*--SPACE--*	0.0	0.0	0.0		1	--	36
37	--	1		0.0	0.0	0.0	*--SPACE--*	--	--					*--SPACE--*	0.0	0.0	0.0		1	--	38
39	--	1		0.0	0.0	0.0	*--SPACE--*			--	--			*--SPACE--*	0.0	0.0	0.0		1	--	40
41	--	1		0.0	0.0	0.0	*--SPACE--*					--	--	*--SPACE--*	0.0	0.0	0.0		1	--	42
TOTALS:							CONNECTED kVA PER PHASE	**2**		**1**		**3**		CONNECTED TOTAL kVA =					**5**		
							CONNECTED AMPS PER PHASE	**14**		**6**		**26**		AVERAGE CONNECTED AMPS PER PHASE =					**15**		

NEC DIVERSIFIED LOAD CALCULATIONS

LIGHTING & CONTINUOUS LOADS:
RECEPTACLES: **1.1 kVA @ 100% = 1.1 kVA**
ALL OTHER LOADS @ 100% : **4.2 kVA**

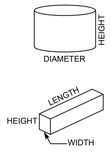
- 100% CONNECTED LOAD PLUS 25%
- FIRST 10kVA @ 100%, REMAINDER @ 50%
- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

DIVERSIFIED TOTAL kVA = **5**
AVERAGE AMPS PER PHASE = **15**

BKR: GF=GFCI, GF3=30mA GFCI CAPABLE OF BEING LOCKED OUT IN OPEN POSITION, IG=ISOLATED GROUND, AF=AFCI, ST=SHUNT TRIP, RED=PROVIDE RED COLORED BREAKER, AF=ARC FAULT CURRENT INTERRUPTER, GA=COMBINATION OF GROUND FAULT AND ARC FAULT CIRCUIT INTERRUPTER, GS=COMBINATION OF SHUNT TRIP WITH GFCI, EX=EXISTING LOAD

NOTES:
EXISTING GE A SERIES PANELBOARD
GRAY ITALIC TEXT = EXISTING CIRCUIT

INTERIOR LIGHTING FIXTURE SCHEDULE



GENERAL NOTES

1. SUBSTITUTIONS AND/OR EQUAL FIXTURES MUST RECEIVE APPROVAL PRIOR TO BIDDING, THEY MUST BE SUBMITTED TO THE ENGINEER NO LESS THAN 2 WEEKS PRIOR TO BID OPENING.
2. SAMPLES MUST BE PROVIDED FOR ANY AND ALL FIXTURES UPON A/E REQUEST PRIOR TO RELEASING FIXTURES.
3. ALL FIXTURES SHALL BE LISTED AND APPROVED FOR THEIR INTENDED USE AND LOCATION.
4. VERIFY THE PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS.
5. COMPLY WITH THE "INTERIOR LIGHTING" SECTION OF THE SPECIFICATIONS.
6. ALL LIGHT FIXTURES TO BE EITHER "DLC" OR "LIGHTING FACTS" LISTED OR TO BE APPROVED BY ARCHITECT/ENGINEER AND OWNER.
7. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES.

ID	DESCRIPTION	SIZE (NOMINAL)	LUMINAIRE				DRIVER			MANUFACTURER (CATALOG SERIES)
			DELIVERED DIRECT LUMENS	DELIVERED INDIRECT LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	
(E1A)	DESCRIPTION: EXIT SIGN, EDGE LIT, SINGLE SIDED MOUNTING: CEILING, WALL FINISH: SCBA OPTICS: OPTIONS: EM: BATTERY	LENGTH: 11" WIDTH: 3" HEIGHT: 10"			GREEN		LED	120/277V	5	ISOLITE (UEL) EVENLITE (SOV) EMERGENSEE (SEEXLRN) OR APPROVED EQUAL BY OWNER
(WS1)	DESCRIPTION: SQUARE BEEM WALL SCONCE MOUNTING: WALL FINISH: CBA OPTICS: - OPTIONS: - EM: -	HEIGHT: 12" WIDTH: 7 1/4" DEPTH: 3 7/8"	678		4000K	90	LED (0-10V DIMMING) 1%	120/277V	9	G LIGHTING (GL-4469-AM-S-CBA-X) OR APPROVED EQUAL BY OWNER

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CLIENT NUMBER: 00000
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REV DATE DESCRIPTION

OGDEN MUNICIPAL BUILDING 3RD FLOOR LOBBY REMODEL

2549 SOUTH WASHINGTON BOULEVARD, OGDEN, UT 84401

BID PACKAGE

ELECTRICAL DEVICE SCHEDULES

EP610

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