SALT LAKE COMMUNITY COLLEGE INCLUSIVE RESTROOM ADDITION

4600 S REDWOOD ROAD TAYLORSVILLE, UT 84123

BID SET 27 OCTOBER 2023





CE COMMUNITY COLLEGE FRESTROOM ADDITION

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MHTN PROJECT NO.2022560.01

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REVISIONS:

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

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CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE RE LAST REVISION DATE.

NO. DATE DESCRIPTION

ISSUE BID SET

27 OCTOBER 2023

COVER SHEET

GOOO

Original drawing is 30 x 42. Do not scale contents of this drawing.



A D C HITE CTI I D E

MHTN ARCHITECTS, INC. 280 SOUTH 400 WEST SUITE 250 SALT LAKE CITY, UTAH 84111 PHONE: (801) 595-6700 **MECHANICAL**

SPECTRUM ENGINEERS 324 S. STATE ST. SUITE 400 SALT LAKE CITY, UT 84111 PHONE: (801) 328-5151 ELECTRICAL

SPECTRUM ENGINEERS 324 S. STATE ST. SUITE 400 SALT LAKE CITY, UT 84111 PHONE: (801) 328-5151 FIRE PROTECTION

SPECTRUM ENGINEERS 324 S. STATE ST. SUITE 400 SALT LAKE CITY, UT 84111 PHONE: (801) 328-5151 PROJECT DATA

ADA Standards for Accessible Design, 2010

International Building Existing Code 2021

National Electrical Code (NEC), 2020 ed.

International Fire Code (IFC), 2021 ed.

International Fuel Gas Code (IFGC), 2021 ed.

ICC/ANSI A117.1, 2021 ed.

Occupancy Classification

Separation of Occupancies

Allowable Height (Stories/Feet)

Allowable Building Area Calculation

Width of Public Way or Open Space (W)

Building Perimeter on 20' min Public Way (F) N/A

Floor Construction & Associated Secondary Members

Roof Construction & Associates Secondary Members

Two Story Vertical Openings (IBC Sec. 712.1.9)

Fire-Resistance Ratings for Building Elements (IBC Table 601)

Following documents are required before a certificate of occupancy is issued:

Final approval from the State Elevator inspector, if applicable.

Report of the disinfection of the potable water system. IPC 610

Final approval from the State boiler inspector, if applicable.

An NFRC Certificate for fenestration without the NFRC label.

required. The reports must comply with IBC 909.18.8.3.

Seismic Restraints for Mechanical Equipment Jan 2024

Seismic Restraints for Electrical Equipment

Fire Sprinkler System

Fire Alarm System

APPROVALS

APPROVERS NAME, TITLE

APPROVERS NAME, TITLE

APPROVERS NAME, TITLE

Final report from the special inspection agency.

A code inspection report recommending that a certificate of occupancy be issued.

A Certificate of Compliance from the approved fabricator, if applicable, IBC 1704.2.2

A stamped and signed final report from the structural engineer when structural observation is

Final report from the special inspector and the mechanical engineer when smoke control is

Anticipated Upload Date

DATE:

DATE:

DATE:

Jan 2024

Jan 2024

Basemen¹

1st Floor

2nd Floor

Unlimited as per Table 506.2

Mixed-Occupancy, Multi-Story

Building Perimeter (P)

Frontage Increase

Construction Type:

Primary Structural Frame

Exterior Non-Bearing Walls

Interior Non-Bearing Walls

Shafts (IBC Sec. 713.4)

(As required by DFCM)

required by IBC 1710.

Climate Zone: 5

Interior Exit Stairway (IBC Sec. 1023)

Exit Access Stairway (IBC Sec. 1019)

Exterior Bearing Walls

Interior Bearing Walls

Actual Building Height (Stories/Feet) 2 stories, 40 feet

Construction Type

<u>CRITERIA</u>

Sprinkled

Building Area

International Mechanical Code (IMC), 2021 ed

International Plumbing Code (IPC), 2021 ed.

International Building Code, including Appendix J (IBC), 2021 ed.

International Energy Conservation Code (IECC), 2021 ed., Prescriptive/Performance

International Existing Building Code (IEBC), 2021 ed., Chapter 5, Prescriptive Complinace Method,

A2, A3, B, M, S-1

Non-separated

12 stories, 180 feet

1 hr enclosure

1 hr enclosure at basement

61,505

65,400

ANSI/ASHRAE Standard 90.1-2021, Prescriptive/Trade-Off/Energy Cost Budget

VICINITY MAP

SLCC Student Center

AYLORSVILE
CAPUS

Google

SALT LAKE COMMUNITY COLLEGE INCLUSIVE RESTROOM ADDITION

4600 S REDWOOD ROAD TAYLORSVILLE, UT 84123

BID SET 27 OCTOBER 2023

INDEX TO DRAWINGS -BID SET **GENERAL** G000 **COVER SHEET** SPECIAL INSPECTIONS SECOND FLOOR LIFE SAFETY PLAN PLUMBING FIXTURE ANALYSIS MOUNTING HEIGHTS & CLEARANCES INTERIOR WALL TYPES & TYPICAL DETAILS **ARCHITECTURAL** AD102 SECOND FLOOR DEMOLITION PLAN DEMOLITION PARTIAL BUILDING SECTIONS DEMOLITION PARTIAL BUILDING SECTIONS SECOND FLOOR RCP DEMO PLAN SECOND FLOOR RCP DEMO REFERENCE PLAN & EXIST. IMAGES **ARCHITECTURAL** OVERALL SECOND FLOOR PLAN ENLARGED SECOND FLOOR PLAN INTERIOR ELEVATIONS & ENLARGED STALLS PLAN INTERIOR ELEVATIONS & ENLARGED PLANS INTERIOR ELEVATIONS - INSIDE & OUTSIDE RESTROOM INTERIOR SECTIONS - ISLAND SINK INTERIOR ELEVATIONS - NEW ENTRANCE INTERIOR DETAILS SINK ISLAND FRAMING DETAILS DOOR SCHEDULE, WINDOW TYPES & DETAILS FINISH SCHEDULE - INCLUSIVE RESTROOM SECOND FLOOR PATTERN PLAN SECOND FLOOR REFLECTED CEILING PLAN **CEILING DETAILS** MECHANICAL SECOND FLOOR FP PLAN - INCLUSIVE RESTROOM M001 MECHANICAL COVER SHEET SECOND FLOOR MECH. DEMO. PLAN - INCLUSIVE RESTROOM SECOND FLOOR MECHANICAL PLAN - INCLUSIVE RESTROOM ROOF MECHANICAL PLAN SECOND FLOOR MECH. PIPING PLAN - INCLUSIVE RESTROOM SECOND FLOOR MECHANICAL PLAN - SECTION VIEW MECHANICAL DETAILS MECHANICAL SCHEDULES MECHANICAL CONTROLS - GENERAL MECHANICAL CONTROLS -MISC. EQUIPMENT **PLUMBING** PLUMBING COVER SHEET SECOND FLOOR PLUMBING DEMOLITION PLAN - INCLUSIVE RESTROOM SECOND FLOOR PLUMBING DEMOLITION - SECTION VIEW SECOND FLOOR PLUMBING PLAN - INCLUSIVE RESTROOM P102 P401 SECOND FLOOR PLUMBING - SECTION VIEW P402 SECOND FLOOR PLUMBING - SECTION VIEW PLUMBING SCHEDULES **ELECTRICAL** SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES ELECTRICAL DETAILS TYPICAL MOUNTING HEIGHT DETAILS TYPICAL LABELING DETAILS SECOND FLOOR POWER DEMOLITION PLAN - RESTROOM SECOND FLOOR LIGHTING DEMOLITION PLAN - RESTROOM

POWER PLAN - OVERALL

ELECTRICAL SCHEDULES

EY102 SECOND FLOOR AUXILIARY PLAN

EY601 FIRE ALARM RISER

EP601

EP102 SECOND FLOOR POWER PLAN - RESTROOM

EL102 SECOND FLOOR LIGHTING - RESTROOM

EL601 INTERIOR LIGHTING FIXTURE SCHEDULE

PROJECT GENERAL NOTES

Building Codes: Comply with requirements of the adopted editions of the international code council codes, the codes and standards referenced within the ICC codes and the Americans with Disabilities Act.

Dimensions: Metal stud walls are dimensioned to face of metal stud, unless noted otherwise. Masonry walls are dimensioned to face of masonry.

Special Inspections: An Owner-provided, AHJ approved Independent Agency will provide Special Inspections of the following Architectural Components:

RE: G003 and G004 for Special Inspections Requirements

Deferred Submittals:

RE: G001 for Deferred Submittals

Specifications: Refer to the specifications for descriptions of products, materials and systems. The terms "SEE SPECS," "RE: SPECS" or similar references to the specifications have been omitted from drawing notes, but the requirement is still the same, to refer to the technical specifications for descriptions, installation requirements and other requirements as described therein.

Symbols: Where symbols and legends are used to indicate a product or system, provide those items in the quantity indicated by the symbol. Where plumbing fixtures, equipment, light fixtures and other similar products are shown on Architectural drawings, refer to the appropriate discipline drawings for type, utilities and other requirements.

Details: Terms such as "see specs," "re: mechanical" and so forth have been omitted from these details. All details require the general contractor and sub-contractors to refer to other drawings and specifications as required to understand and provide the items indicated and to provide supporting items that may or may not be shown.

The continuous nature of the materials shown in the details is inferred, though the word "continuous" may be omitted from the detail notes.

PROJECT GENERAL REMODEL NOTES

Verify in Field (VIF): Field verify all dimensions and conditions at the site before submitting a bid or proceeding with any portion of the

Cut and Patch: Cut and patch existing building construction as required. Cutting and drilling of structural members not detailed requires the written permission of the structural engineer.

Conflicts: Whenever questions arise or conditions are encountered which are not covered by, or are in conflict with, the contract documents, consult with the Architect prior to taking any further action.

Demolish, Remove: Terms are used interchangeably to indicate detaching or tearing down items from existing construction and legally disposing of them off-site unless indicted to be removed and salvaged or removed and reinstalled.

Existing to Remain: Existing items of the building that are not to be permanently removed and that are not otherwise indicated to be

demolished, removed, removed and salvaged or removed and reinstalled.

Equipment Relocation: Relocate existing mechanical and electrical as required for installation of new work.

Material Disposal: Legally dispose of all demolished or removed existing material, unless noted otherwise.

Salvage Material: Coordinate with the owner for removal of existing material noted to be returned to the owner. Removal shall be by the owner unless noted otherwise.

Phasing: coordinate phasing of the work with the Owner and the Architect to meet the owner's schedule.

Protection & Cleaning: Contain all construction activity within construction barricades or fences. Protect owner's existing facilities and property adjacent to new construction. During and after work of this contract is complete, clean existing areas affected by the work to the

Protect all existing conditions that remain during phased construction and/or demolition work. Repair any damage due to new work.

Repair & Replacement: Repair or replace existing facilities or property damaged by new construction. Match existing surface finish or

Patch & Repair: Patch and repair existing walls, floors, ceilings, landscaping, paving or other surfaces affected by demolition to match the existing material and finish.

Caro Drilling Walls and Slabs

Engineer for review prior to drilling.

Core Drilling Walls and Slabs:
Use ground penetrating radar or other approved method to scan concrete over metal deck, concrete suspended slabs, masonry walls, and concrete walls to locate rebar prior to core drilling any holes. Holes shall be located to avoid rebar detected. All openings and groups of openings shall be reinforced as shown on the structural drawings. Submit openings not shown on the structural drawings to the Structural

PROJECT GENERAL TI NOTES

Attachment to Steel Deck:

Do not use steel deck that doesn't have concrete fill to support loads from plumbing, fire sprinklers, HVAC ducts, light fixtures, architectural elements or equipment of any kind, unless specifically noted otherwise. Lightweight acoustical ceilings with a total weight per wire not exceeding 50 pounds may be hung from the steel roof deck. Stagger hangers to distribute the load over multiple deck flutes.

Steel deck with concrete fill may be used to support loads of up to 500 pounds from plumbing, fire sprinklers, HVAC ducts, light fixtures, architectural elements and miscellaneous equipment. Distribute loads such that the average load does not exceed 50 lbs/sq.ft. and not more than 500 pounds is located on any single deck flute span between support beams. Attachments to steel deck with concrete fill shall engage the concrete, and shall be approved for use in cracked concrete.

Attachment to Open Web Steel Joists and Girders:

All concentrated loads greater than 100 pounds and not meeting the requirements of the paragraph below shall be located within 6 inches of the joist or girder panel points or the joist or girder shall be reinforced with an additional web member. Refer to the general structural notes and the "typical detail at additional concentrated point load" on the structural drawings.

Concentrated point loads, single or multiple, totaling 100 pounds or less between panel points can be located at any point along the top or bottom chord of a joist or girder between adjacent panel points without meeting the requirements of the paragraph above, provided the loads are applied to the joist such that both angles of the bottom chord are equally loaded (i.e. no single beam clamps).

Joist bridging shall not be used to support hanging loads.

Bracing of miscellaneous items including mechanical, plumbing, conduit, architectural elements, etc. shall connect to the top chord of the joist or girder unless noted otherwise on the structural drawings.

Attachment to Steel Beams:

Bracing for seismic loads shall attach within 4" of the top flange of the beam, unless noted otherwise.



Telephone (801) 595-6700

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27 OCTOBER 2023

INDEX SHEET

SHEET NUMBER



4110 State Office Building Salt Lake City, Utah 84114 Phone: (801) 538-3018 Website: http://dfcm.utah.gov/

Nonstructural Component Checklist

The attached checklist must be provided near the front of the construction plans of all DFCM projects involving new construction, building additions, or the addition of new or replaced components. One box must be checked within each row. Comments should be provided noting the particular component(s) that require seismic restraint.

Please review the "DFCM Guidelines for Seismic Restraint of Nonstructural Components" handout for more clarification on the requirements for non-structural components and an example of how to fill out the attached checklist.

Last Revised: 10/2016



4110 State Office Building Salt Lake City, Utah 84114 Phone: (801) 538-3018 Website: http://dfcm.utah.gov/

MISCELLANEOUS AREAS

Item Suspended Acoustical Ceilings	Continuous	☐ Periodic	Detailed Instructions and Frequencies Performed by code inspection firm.
Soil backfill (specify locations and frequency)	Continuous	☐ Periodic	N/A
Soils for curb and gutter (specify locations and frequency)	Continuous	☐ Periodic	N/A
Soils for parking lots (specify locations and frequency)	Continuous	Periodic	N/A
Soils for utility trench backfill	☐ Continuous	☐ Periodic	N/A
Reinforcement for slab on grade sidewalks and drive approaches (specify locations and frequency)	☐ Continuous	☐ Periodic	N/A
Reinforcement for interior slab on grade (specify locations and frequency)	Continuous	Periodic	N/A
Concrete testing for slab on grade sidewalks and drive approaches (specify locations and frequency)	Continuous	Periodic	N/A
Concrete testing for interior slab on grade (specify locations and frequency)	Continuous	☐ Periodic	N/A
Asphalt inspection (specify locations and frequency)	Continuous	☐ Periodic	N/A
Asphalt testing (specify locations and frequency)	Continuous	☐ Periodic	N/A
Steam and water line welding (specify locations and frequency)	Continuous	Periodic	N/A
Seismic supports for duct work and sealing of joints for duct work	Continuous	✓ Periodic	
Seismic supports for electrical raceways, cable trays and lights	Continuous	✓ Periodic	
Seismic supports for plumbing lines including gas, water and steam and condensation	Continuous	Periodic	
Seismic bracing for mechanical units both on slab and suspended	Continuous	Periodic	
	☐ Continuous	☐ Periodic ☐ Periodic	
	Continuous	Periodic Periodic	
	Continuous	Periodic	

Page 11 of 13

NONSTRUCTURAL COMPONENT CHECKLIST

ITEM DESCRIPTION	NOT REQUIRED	ON CONST. DOCUMENTS	DEFERRED SUBMITTAL	COMMENTS
Architectural Components:				
Interior Nonstructural Walls & Partitions				
Cantilever Elements (i.e. parapets, etc.)	/			
Exterior Nonstructural Wall Elements	/			
Veneer	/			
Penthouses	/			
Ceilings (i.e. suspended grid or hard-lid)		/		
Cabinets (i.e. storage cabinets, equip, etc.)		/		
Access Floors	/			
Storage Racks	/			
Appendages & Ornamentations	/			
Signs & Billboards	/			
Other:				
Other:				
MEP Components:				
Fire Sprinklers				
Mechanical Equipment (i.e. HVAC, fans, oir handlers, bollers, furnaces, tanks, chillers, water heaters, heat exchangers, evaporators, engines, turbines, pumps, compressors, MFR equipment, etc.)		/	✓	Deferred submittal for seismic anchorage by subcontractor.
Electrical Equipment (i.e. generators, batteries, inverters, transformers, MCC, panel boards, switch gear, cubinets, etc.)		/	/	Deferred submittal for seismic anchorage by subcontractor.
Elevator & Escalator Components				
Communication Equipment, Computers, Instrumentation, and Controls	/			
Roof-mounted Chimneys, Stacks, Cooling & Electrical Towers	/			
Lighting Fixtures				
Vibration Isolated Components		/		
Piping & Conduit Systems		✓		
Ductwork (including in-line components)		✓		
Conveyors	/			
Cable Trays	/			
Other:				
Other:				

Deferred submittals for seismic restraint of nonstructural components must be submitted to the DFCM Building
Official a minimum of two weeks prior to the planned installation in order to allow for plan review and forwarding

to inspectors. In the event that the submittal is deficient additional time may become necessary.

- When seismic restraint of non-structural components is installed prior to receiving DFCM approval it shall not be covered or concealed until receiving both plan review and inspection approval. Further, installers are proceeding at their own risk until plan review and inspection approval occurs.
- The requirements for seismic restraint of nonstructural components cannot be satisfied by a general reference to
 Design Manuals. The design professional may utilize these manuals as a basis of their design, but must provide all
 supporting documentation to ensure that the design conforms to the requirements of ASCE 7-05, Chapter 13.
- 4. Submittals must include details of the proposed seismic restraint of nonstructural components. These details must show specific information relating to the materials, type, size, and locations of anchorages; materials used for bracing; attachment requirements of bracing to structure and component; and locations of transverse and longitudinal sway bracing and rod stiffeners. Submittals may also require structural calculations, engineering reports, test data, and/or specifications to ensure code compliance.

Page 2 of 2



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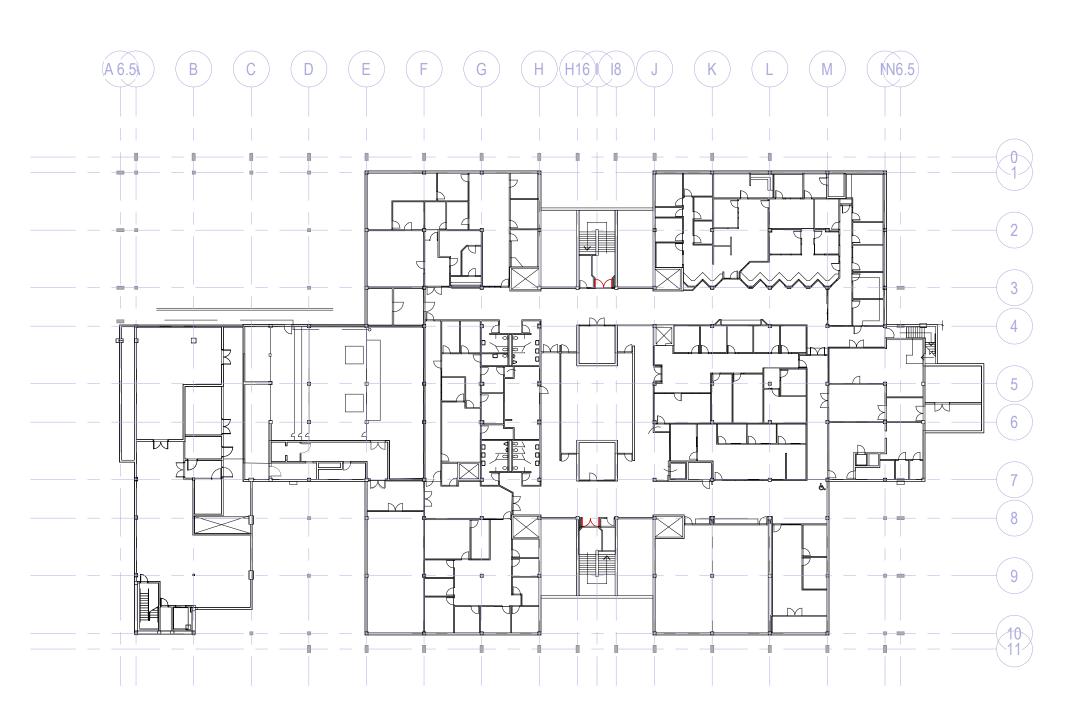


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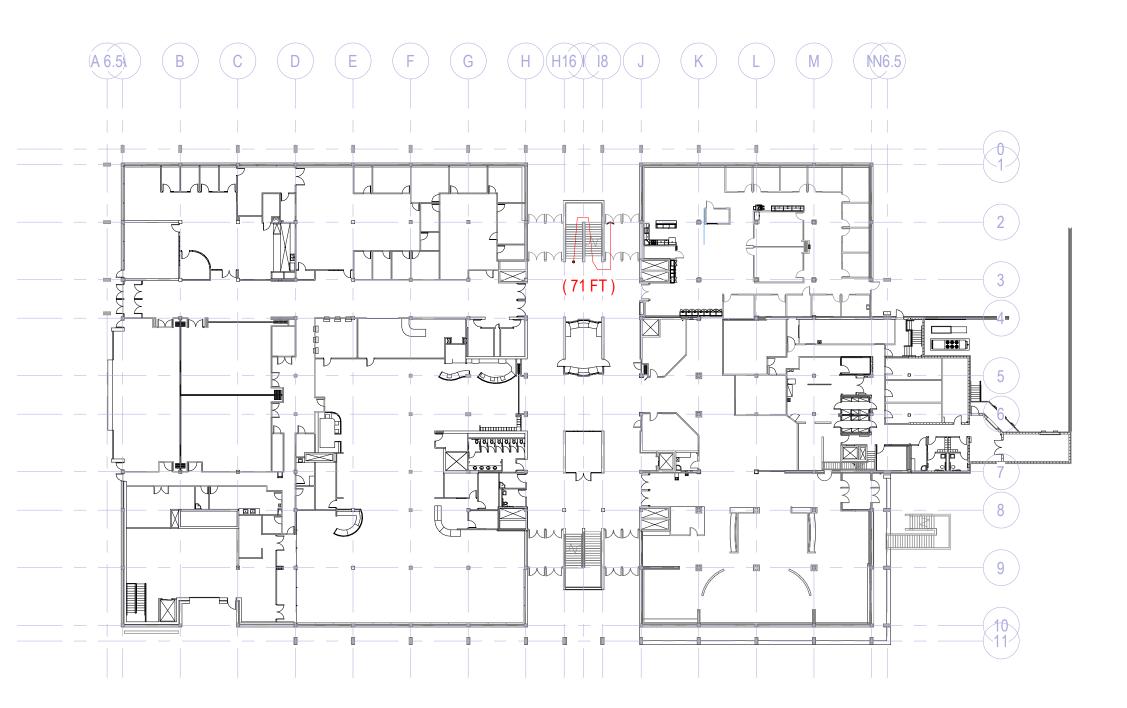
SPECIAL INSPECTIONS



BASEMENT PLAN - REFERENCE ONLY

(A 6.5)(A)

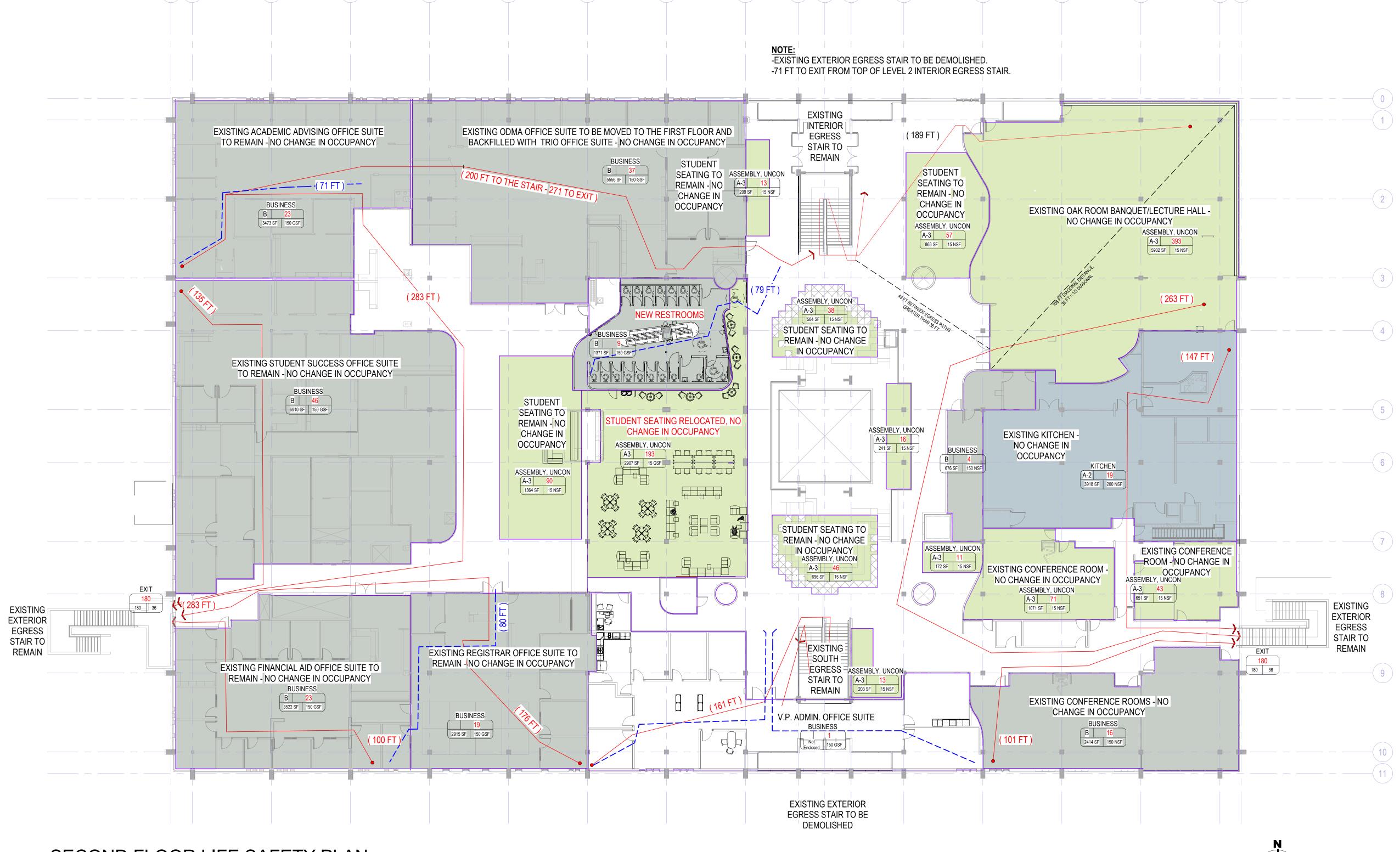
NOTE: NO CHANGE TO OCCUPANCY OR USE



(N)(N6.5)

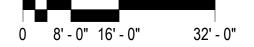
FIRST FLOOR PLAN - REFERENCE ONLY

NOTE: NO CHANGE TO OCCUPANCY OR USE



SECOND FLOOR LIFE SAFETY PLAN

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



LIFE SAFETY PLAN GENERAL NOTES

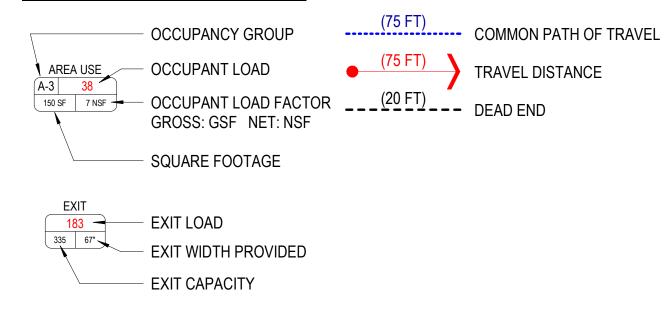
References to sheets below are provided to aid in navigating the drawings.

RE: G500 for Interior Wall Types which indicate ratings, reference termination details, and require rated wall identification.

RE: A600 for the Door Schedule and door ratings.

Exit Width Capacity: Exit width capacities are based on 0.3" per occupant at stairways and 0.2" per occupant at other means of egress components.

LEGEND - LIFE SAFETY



STATE OF UTAH CODES IN USE: 2021 INTERNATIONAL EXISTING BUILDING CODE 2020 NATIONAL ELECTRIC CODE 2021 INTERNATIONAL MECHANICAL CODE 2021 INTERNATIONAL PLUMBING CODE 2021INTERNATIONAL FUEL GAS CODE

2021 IEBC, CHAPTER 5, PRESCRIPTIVE METHOD CODE NOTES FOR FIRST LEVEL:

1.THIS IS AN EXISTING MIXED OCCUPANCY FLOOR (A-2, A-3 AND B) THE NEW INCLUSIVE RESTROOM AND STUDENT SEATING AREA. THESE AREAS ARE MAINTAINING OCCUPANT LOAD, JUST RELOCATING 3. THE SECOND FLOOR CURRENTLY HAS 6 EGRESS STAIRS.

OCCUPANCY COUNTS FOR EXISTING SPACES ARE SHOWN FOR EGRESS WIDTH, EGRESS PATH AND TRAVEL DISTANCE CALCULATIONS. 7. ALL EXISTING STRUCTURE TO REMAIN (FIRE-SPRAYED STRUCTURAL STEEL) WITH NO CHANGES TO STRUCTURAL LOADING.

8. THIS SECOND FLOOR HAS EXISTING MANUAL FIRE HOSE CABINETS AND DEPLOYABLE FIRE PARTITIONS. 9. TO INCREASE THE LIFE-SAFETY OF THE BUILDING, A NEW AUTOMATIC FIRE

SPRINKLER SYSTEM HAS BEEN ADDED TO THE ENTIRE SECOND FLOOR.

AREA FUNCTION (IBC TABLE 1004.1.2)

A-2 OCCUPANCY = 425

A-3 OCCUPANCY = 316

B OCCUPANCY = 159

OPEN SEATING ____ = 339__ TOTAL OCUPPANTS = 1,238

ASSEMBLY, UNCON OCCUPANCY TOTALS:

BUSINESS

KITCHEN

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27 OCTOBER 2023

SECOND FLOOR LIFE SAFETY PLAN

G102

ARCHITECTS

280 South 400 West

www.mhtn.com

Salt Lake City, Utah 84101 Telephone (801) 595-6700

Suite 250

MHTN Architects, Inc.

S

<u>OCCUPANCY</u>

IBC 2021 Table 1004.5 - Maximum floor area allowances per occupant Assembly spaces - Unconcentrated = 15 net sf per occupant Mercantile (bookstore storage) = 300 gross sf per occupant
Accessory storage areas, mechanical rooms = 300 gross sf per occupant

Total Basement Occupants = 419

Number of Mercantile Storage Occupants on First Floor = 12
Total First Floor Occupants = 938

SECOND FLOOR Number of Assembly Occupants = 1,000

TOTAL BUILDING OCCUPANTS: 2557 50% of Occupant Load = 1278.5

Business Areas = 150 gross sf per occupant
Commercial Kitchen = 200 gross sf per occupant
Mercantile (Bookstore sales floor) = 60 gross sf per occupant

Number of Assembly Occupants = 243 Number of Office Occupants = 143 Number of Accessory Occupants = 33

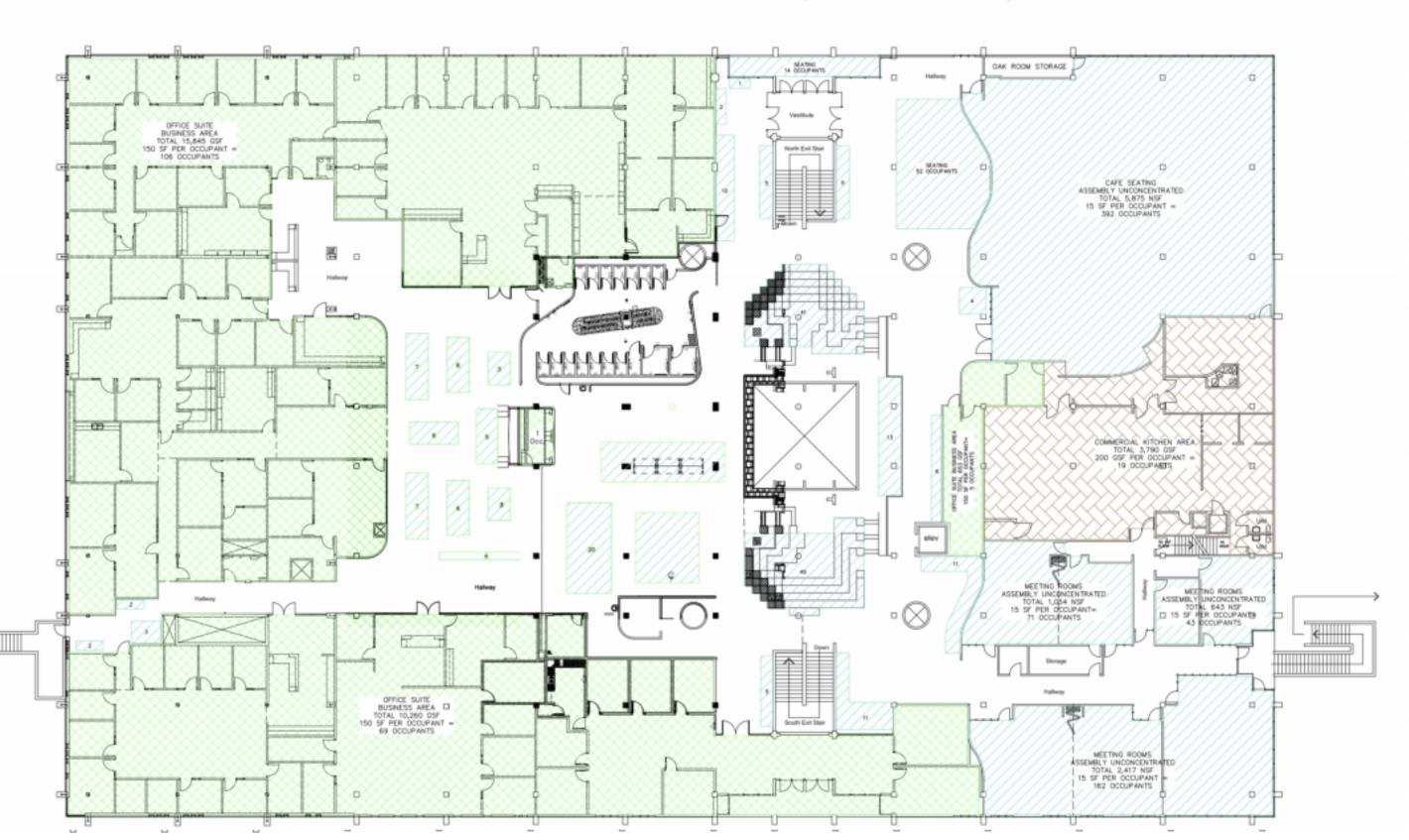
Number of Assembly Occupants on First Floor = 617 Number of Office Occupants on First Floor = 94 Number of Commercial Kitchen Occupants on First Floor = 42 Number of Mercantile Sales Floor Occupants on First Floor = 173

Number of Office Occupants = 181 Number of Commercial Kitchen Occupants = 19
Total Second Floor Occupants = 1,200

TOTAL GROSS SQUARE FEET OF FIRST FLOOR (ENCLOSED EXTERIOR WALLS) = 61,505

FIRST FLOOR PLAN

TOTAL GROSS SQUARE FEET OF SECOND FLOOR (ENCLOSED EXTERIOR WALLS) = 65,398



SECOND FLOOR PLAN

FIXTURE COUNT S

Utah Building Code 2021 - Section 2902.1.1 -

50 percent male.

separate toilet facilities.

Where multiple-user facilities are designed to serve all genders the

calculated at 50 percent of the total occupant load. -The maximum fixture count for the multiple-user all

-The maximum fixture count to serve all genders shall be

gender facility shall be calculated at 50 percent female and

-The remaining 50 percent of the required restroom fixtures shall be provided as required by Table 2902.1 in

												7	101	VICET THE	REQUIRED	(20) VVC S /	AND (12) LA	\	Į.
SL	<u>IMMARY</u>	SEPARAT MALE WC		SEPARAT FEMALE		SEPARAT MALE LA		SEPARAT FEMALE I		DRINKINO FOUNTAI		UNISEX V	/C's	UNISEX L	AV's	NON-SEF WC's	PARATED	NON-SEP LAV's	ARATED
_		REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
	BASEMENT	4	8	5	6	3	6	3	4	2	2	-	1	-	1	-	-	-	-
	FIRST FLOOR	6	8	8	7	4	4	4	4	3	3	-	4	-	4	-	-	-	-
	SECOND FLOOR	7	(9)*	11	(8)*	5	(6)*	5	(7)*	4	3	-	2	-	-	-	16	-	12
	BUILDING TOTALS (OLD CODE)	17	16	24	13	12	10	12	8	9	8**	-	5	-	5	-	16	-	12
	BUILDING TOTALS (NEW CODE)	9	12	12	13	6	10	6	8	9	8**	-	7	-	7	20	17	12	13

NOTE: REQUIRED FIXTURE COUNT BASED ON OCCUPANCY AND USE. *NOTE: NUMBERS IN RED PARENTHESES () DENOTE FIXTURES DEMOLISHED.

**NOTE: THERE ARE (8) EXISTING DRINKING FOUNTAINS. (2) TO BE RELOCATED, MAINTAINING BUILDING TOTAL OF (8) DRINKING FOUNTAINS.

IBC/IPC Plumbing Fixture Requirements

		Edition:	202	1								
BASEM	<u>IENT</u>	Occupant Load / Number of	Male Water	Closets	Female Wa	ter Closets	Male Lav	atories	Female La	avatories	Drinking	g Fountains
Occupancy	Description	Units or Rooms	Ratio	Required	Ratio	Required	Ratio	Required	Ratio	Required	Ratio	Required
			1 per 125	0.97	1 per 65	1.87	1 per 200	0.61	1 per 200	0.61	1 per 500	0.49
Assembly	Theaters and other buildings for the performing arts and motion	243										
			1 per 25 for the first 50	2.43	1 per 25 for the first 50		1 per 40 for the first 80	1.79	1 per 40 for the first 80	1.79	1 per 100	1.43
Business	Buildings for the transaction of business, professional services, o	143	then 1 per 50		then 1 per 50		then 1 per 80		then 1 per 80			
			1 per 100	0.17	1 per 100	0.17	1 per 100	0.17	1 per 100	0.17	1 per 1,000	0.03
Storage	Structures for the storage of goods, warehouses, store-houses as	33										
			0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
-												
			0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
-												
		l- 440	Exact	3.57		4.46		2.56		2.56		1.95
	Tota	ls 419	Rounded	4		5		3		3		2

	Occupant Load / Number of Units		Closets	Female Clos		Male La	vatories	Female La	avatories	Drinkin	g Fountain
Occupancy Description	or Rooms	Ratio	Required	Ratio	Required	Ratio	Reguired	Ratio	Required	Ratio	Required
Assembl. Theaters and other buildings for the perf	738	1 per 125	2.95	1 per 65	5.68	1 per 200	1.85	1 per 200	1.85	1 per 500	1.48
		1 per -	1.88	1 per -	1.88	1 per 🛎	1.18	1 per ∸	1.18	1 per	0.94
Busines Buildings for the transaction of business	94	25 for the first 50 then		for the first		for the first		for the first		100	
Mercant Retail stores, service stations, shops, s	173	1 per 500	9.17	1 per 500	0.17	1 per 750	0.12	1 per 750	0.12	1 per 1,000	0.17
Storage Structures for the storage of goods, ware	44	1 per 100	0.22	1 per 100	0.22	1 per 100	0.22	1 per	0.22	1 per 1,000	0.64
		9	8.60	0	0.00	0	0.00	0	0.00	0	0.00
-		Exact	5.23		7.95		3.36		3.36		2.63
Totals	1049	Rounded	6		8		4		4		3

SECON	<u> D FLOOR</u>	Occupant Load / Number of	Male Water	r Closets		Water sets	Male La	vatories	Female L	avatories	Drinkir	ng Fountains
Occupancy	Description	Units or Rooms	Ratio	Required	<u>Ratio</u>	Required	<u>Ratio</u>	Required	<u>Ratio</u>	Required	Ratio	Require
Assemb	Theaters and other buildings for the perfo	1000	1 per 125	4.00	1 per 65	7.69	1 per 200	2.50	1 per 200	2.50	1 per 500	2.00
Busines	Buildings for the transaction of business, p	181	1 per 25 for the first 50 then 1 per 50	2.81	1 per 25 for the first 50 then 1 per 50	2.81	1 per 40 for the first 80 then 1 per 80		1 per 40 for the first 80 then 1 per 80	2.13	1 per 100	1.81
Storage	Structures for the storage of goods, wareh	19	1 per 100	0.10	1 per 100	0.10	1 per 100	0.10	1 per 100	0.10	1 per 1,000	0.02
		0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
			0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
		4000	Exact	6.91		10.60		4.73		4.73		3.83
	Totals	s 1200	Rounded	7		11		5		5		4

UNISEX AND NON-SEPARATED FIXTURE COUNTS ARE COMBINED TO MEET THE REQUIRED (20) WC's AND (12) LAV's.

TOTAL NON-SEPARATED WC's - 24 TOTAL NON-SEPARATED LAV's - 20

ARCHITECTS

280 South 400 West

www.mhtn.com

Suite 250 Salt Lake City, Utah 84101 Telephone (801) 595-6700

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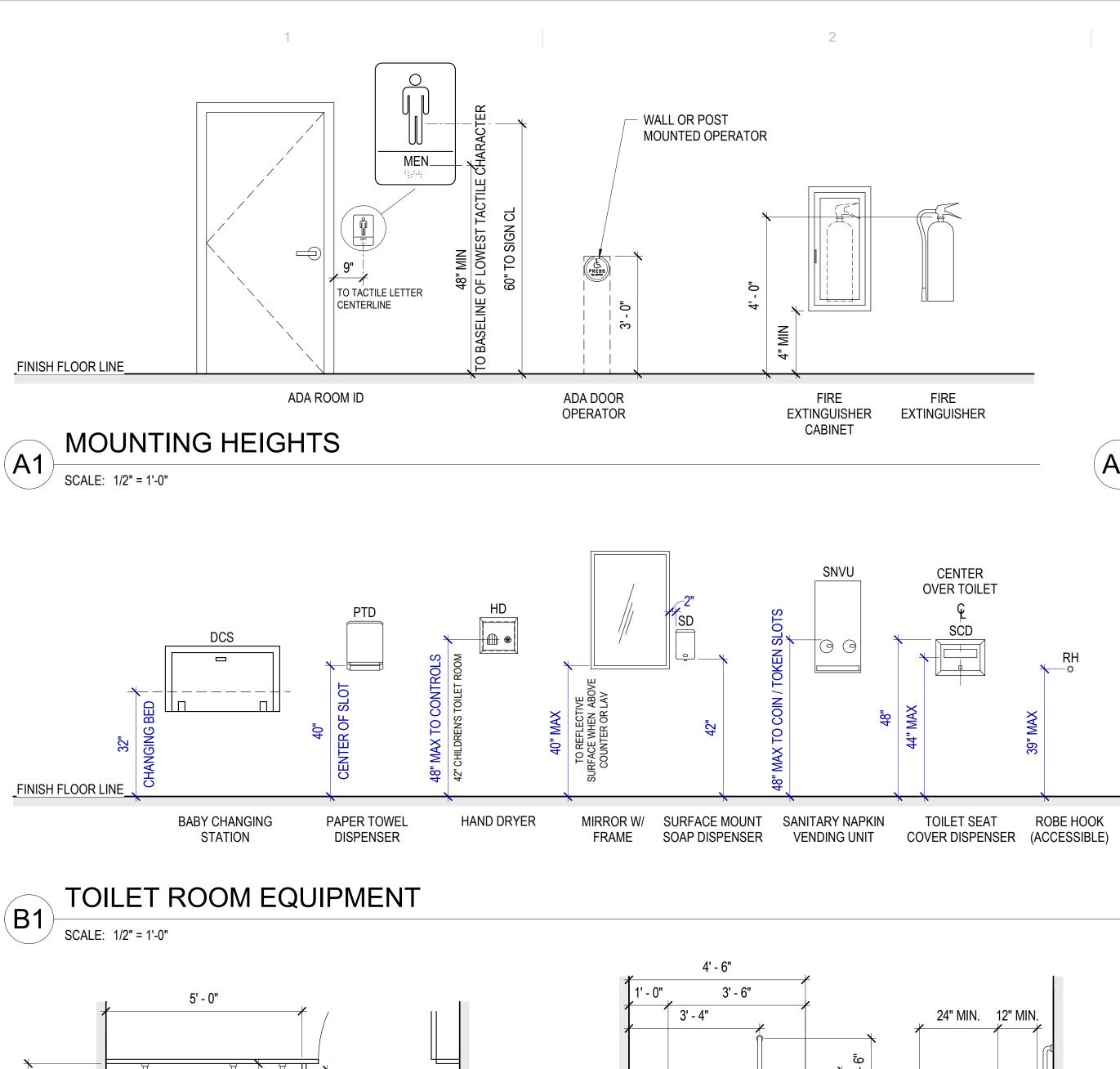


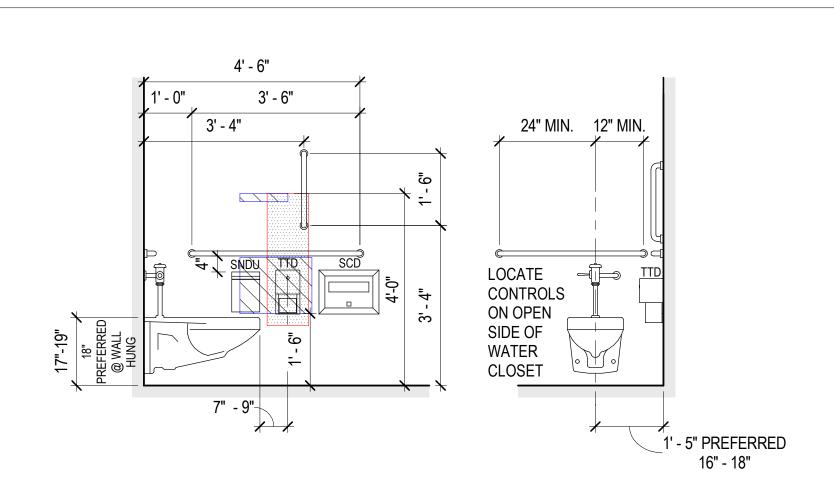
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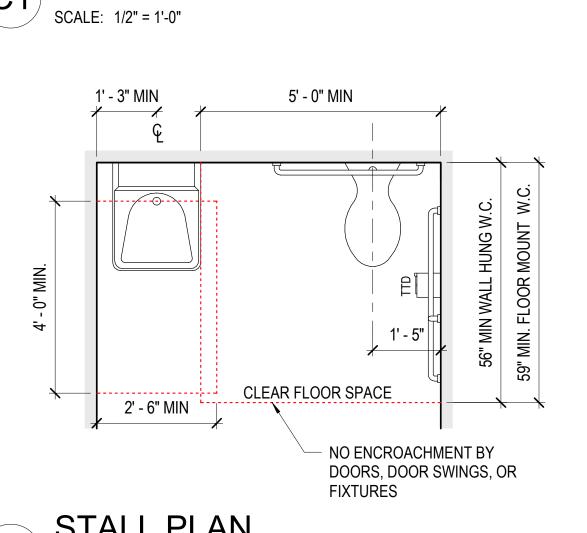
BID SET 27 OCTOBER 2023

PLUMBING FIXTURE ANALYSIS

G110

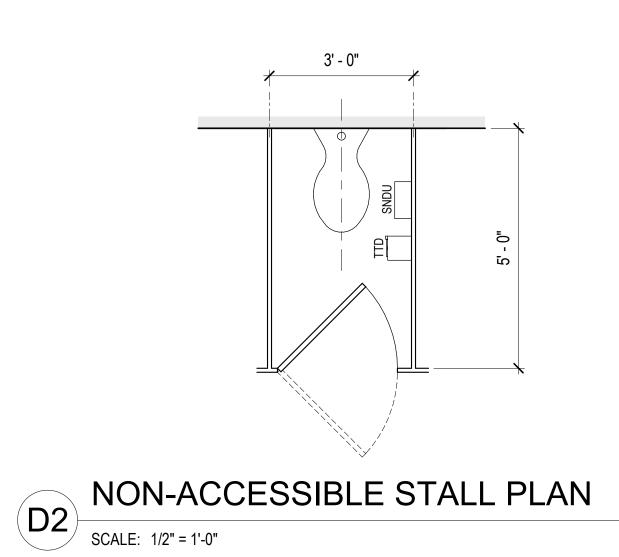






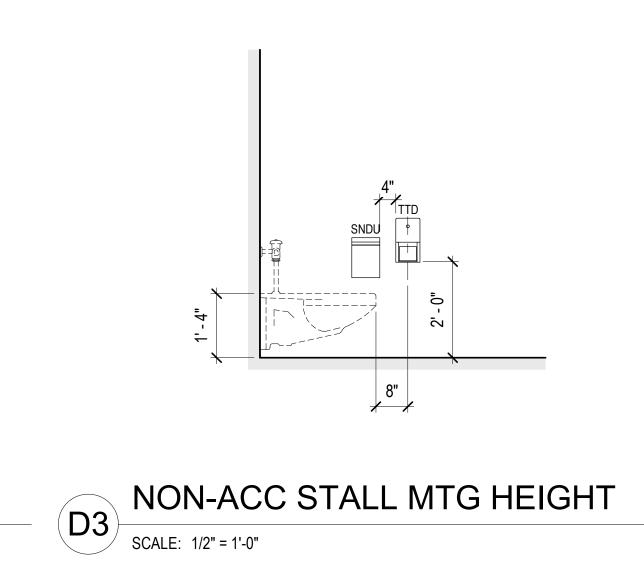
AMBULATORY STALL PLAN

LATCH APPROACH



ACCESSIBLE STALL MTG HEIGHT

SCALE: 1/2" = 1'-0"



15" MIN 5" MAX

SCALE: 1/2" = 1'-0"

(NON-ACCESSIBLE)

KNEE CLEARANCE

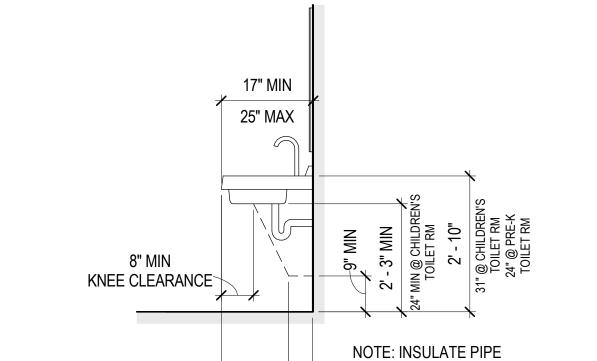
GRAB BAR

CLEARANCE

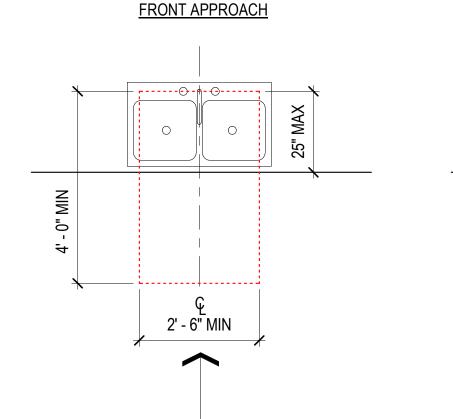
DRINKING FOUNTAIN DETAILS

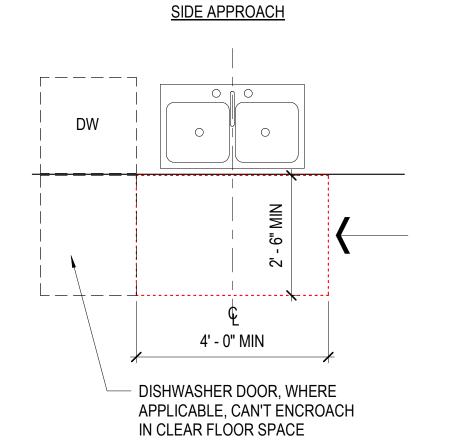
WALL MOUNTED SHELF





ALLOWED BELOW LAVATORY)







LAVATORY MOUNTING HEIGHT E2 LAVATOF SCALE: 1/2" = 1'-0"

SCALE: 1/2" = 1'-0"

SINK APPROACHES AND CLEARANCE

MOUNTING HEIGHTS & CLEARANCES GENERAL NOTES

Diagrams on this sheet incorporate the ADA Standard, 2010 edition and ICC/ANSI A117.1, 2017 edition requirements for accessibility. The most restrictive requirement is shown where the two standards differ.

The purpose of this sheet is to provide general clearance, size and mounting height dimensions. If other drawings provide different information, that doesn't violate the accessibility standards, that information shall govern, however, nothing shown herein shall supersede the requirement of the standards listed above, nor of the IBC.

Prior to installation, coordinate toilet and bath accessory mounting heights with manufacturer's recommended heights and adjust as required to comply with ADA & ANSI requirements.

Where the accessibility standards indicate ranges of dimensions, or minimum or maximum dimensions, the dimensions on this sheet have been modified to indicate the preferred or the most restrictive of the dimensions. Where it is impractical to comply with a dimension, the dimension may be adjusted after review with the Architect and, provided the proposed change does not violate the accessibility standards.

1' - 0" MIN IF CLOSER &

PUSH SIDE

PUSH SIDE

PUSH SIDE

NOTE: X = 12" MIN AND Y = 48" MIN IF BOTH CLOSER AND LATCH ARE PROVIDED. X = 0" W/ NO CLOSER AND LATCH.

NOTE: Y = 48" MIN CLOSER IS PROVIDED

LATCH ARE PROVIDED

1' - 6" MIN

FRONT APPROACHES - SWINGING DOORS

HINGE SIDE APPROACHES - SWINGING DOORS

LATCH SIDE APPROACHES - SWINGING DOORS

3' - 0" MIN

OR 42" MIN AND...

2' - 0" MIN

PULL SIDE

PULL SIDE

PULL SIDE

SCALE: 1/2" = 1'-0"

NOTE: Y = 54" MIN IF CLOSER IS PROVIDED.

C4

NOTE: DOORS IN ALCOVES, GREATER THAN 8" DEEP TO FACE OF DOOR, SHALL COMPLY W/ CLEARANCES FOR FRONT APPROACHES.





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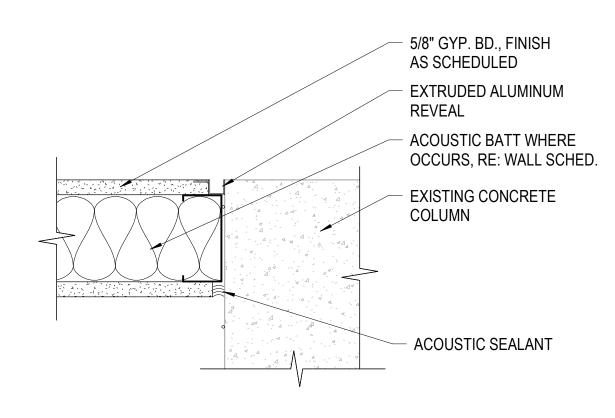
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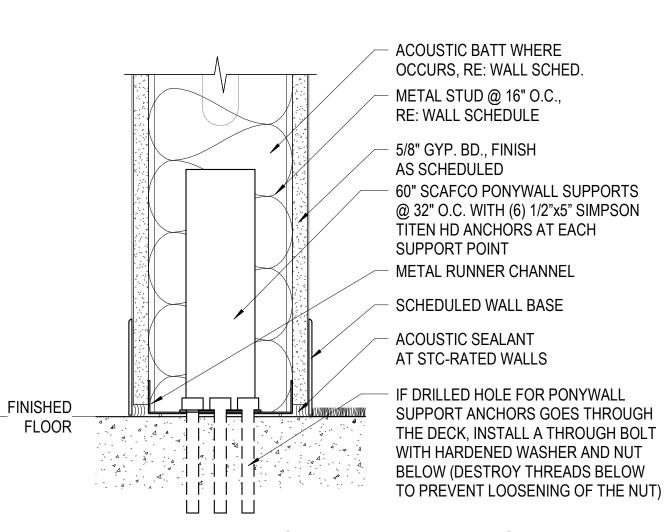
MOUNTING HEIGHTS & CLEARANCES

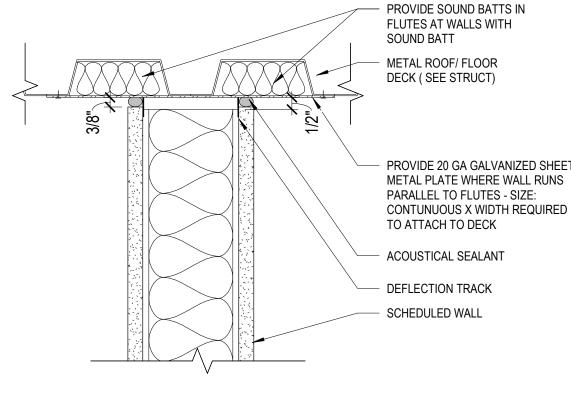
G200

	INTE	ERIOR V	VALL TYPE S	CHEDULE						
TAG	CONSTRUCTIO	N					FIRE RES	SISTANCE	ACOUST	ICAL
MARK	DESCRIPTION	WIDTH	TERMINATION	LIMITING HEIGHT	HEAD DETAIL	BASE DETAIL	FIRE RATING	STANDARD	SOUND BATT	STC
S1	1 1/2" CHANNEL + 5/8" GB	1 1/2"	TO DECK	16'-6"					No	37
S3A	5/8" GB + 3 5/8" MTL STUD + 5/8" GB	4 7/8"	TO DECK	16'-6"					Yes	40
S3AR	5/8" GB +RESILIENT SOUND CHANNEL + 3 5/8" MTL STUD + 5/8" GB	5 7/8"	TO DECK	16'-6"					Yes	52
S3AT	5/8" GB + 3 5/8" MTL STUD + 5/8" BACKER BOARD + 3/8" TILE	5 1/4"	TO DECK	16'-6"	B4/G500	C4/G500			Yes	40
S3ATT	3/8" TILE + 5/8" BACKER BOARD + 3 5/8" MTL STUD + 5/8" BACKER BOARD + 3/8" TILE	5 5/8"	TO DECK	16'-6"	B4/G500	C4/G500			Yes	40
S3B	5/8" GB + 3 5/8" MTL STUD + 5/8" GB	4 7/8"	VARIES	16'-6"					No	
S3BP	5/8" GB + 6" MTL STUD + 5/8" GB	4 5/8"	TO DECK	24'-6"					No	38
S3BT	5/8" GB + 3 5/8" MTL STUD + 5/8" BACKER BOARD + 3/8" TILE	5 1/4"	TO DECK	16'-6"	B4/G500	C4/G500			Yes	40
S3BXT	5/8" GB + 3 5/8" MTL STUD + 5/8" BACKER BOARD + 3/8" TILE	4 5/8"	TO DECK	16'-6"	B4/G500	C4/G500			Yes	40
S4D	5/8" GB + 4" MTL STUD	4 5/8"	6" ABOVE CEILING	17'-8"					No	37
S42A	2 LAYERS 5/8" GB + 4" MTL STUD + 2 LAYERS 5/8" GB	6 1/2"	TO DECK	17'-8"					Yes	55



TYP WALL TO COLUMN DETAIL SCALE: 3" = 1'-0"





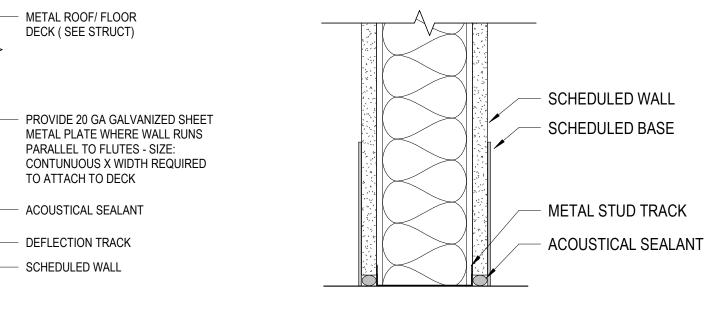
EDGE MOLDING

SEISMIC CLIP

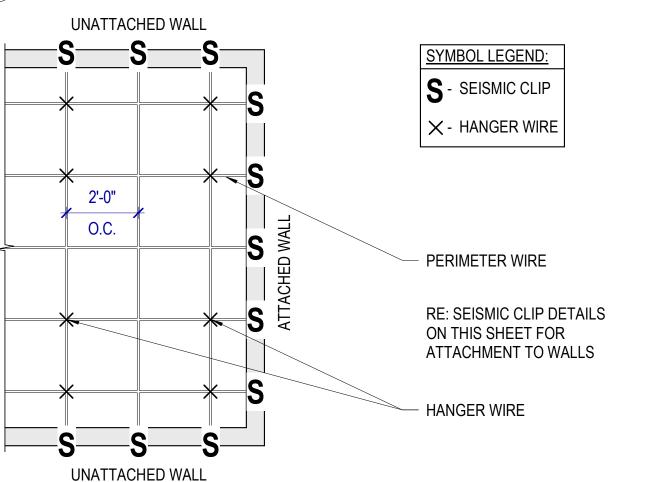
PERIMETER WIRE

12 GAUGE

RUNNER



PARTIAL HEIGHT WALL BASE DETAIL SCALE: 3" - 41 0" SCALE: 3" - 41 0" SCALE: 3" = 1'-0"



SUSPENDED CEILING DETAIL

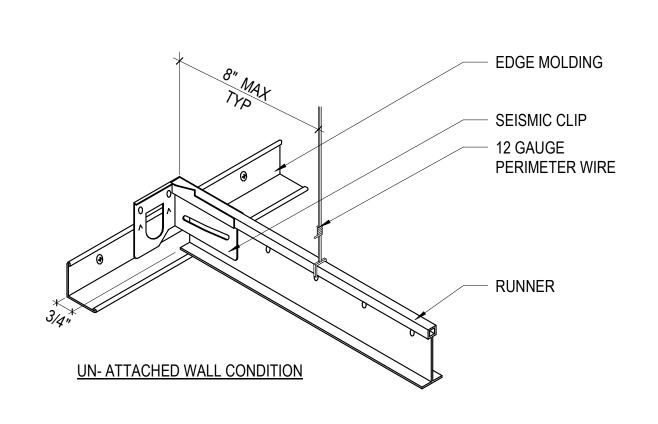
SCALE: 3/8" = 1'-0"



SCALE: 3" = 1'-0"

ATTACHED WALL CONDITION

WALL BASE (TYP) - DETAIL SCALE: 3" = 1'-0"



SUSPENDED CEILING DETAIL SCALE: 1 1/2" = 1'-0"

INTERIOR WALL TYPE GENERAL NOTES

RE: G500 for wall termination details which occur at metal deck/structure or at base of wall.

Wall type designations imply that the walls are continuous, typically from corner to corner and until another wall type is indicated. At the intersection of walls of dissimilar sound and/or fire-resistance ratings, the wall with the more restrictive requirements shall continue through, uninterrupted and shall take precedence.

Typical Interior Wall Type: S3A, UNO.

Glass-mat Tile Backing Board:

Where stud walls with tile finishes are scheduled, provide glass-mat tile backing board for the full height and width of the tile. Balance of wall to be gypsum board, UNO.

Water-resistant Gypsum Board:

Provide water-resistant gypsum board at walls in wet areas with non-tile finishes.

At metal stud walls with an STC rating, provide acoustical sealant at top and bottom tracks.

Sound Attenuation Batts:

Where indicated, provide sound attenuation batts sized to fit snuggly in the wall cavity. Fill all voids in the wall, from floor to deck, including at wall intersections to prevent sound leakage into adjacent rooms.

horizontal load.

Metal Stud Partitions: Extend interior walls and partitions from floor to roof deck or floor deck above, unless noted otherwise. The specifications indicate a minimum metal stud gauge; increase the gauge above the minimum as required by the metal stud manufacturer for actual wall heights, deflection criteria and code required

Design requirements for metal stud walls: 5 PSF lateral load; L/240 deflection. Stud Spacing: 16" on center, unless noted otherwise.

Provide bracing at 48" OC maximum at non-composite walls (walls that don't have gypsum board full height on each side of the stud).

Provide control joints at 30'-0" OC maximum. If not shown, coordinate location with Architect.

Rated Wall Identification:

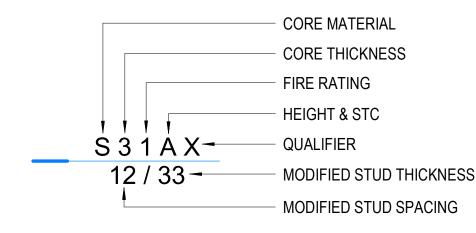
Provide 3" high block letters (with 3/8" minimum stroke), stencil the fire resistance rating on the wall at 30' maximum intervals, measured horizontally and within 15' of the end of the wall. Provide one (1) label minimum per wall.

Locate identification in accessible concealed floor areas, if any and in the accessible space between ceiling and structure above.

Wall Schedule Abbreviations

CMU - Concrete Masonry Unit GB - Gypsum Board GTB - Glass-mat Tile Backing Board IGB - Impact-resistant Gypsum Board

WALL TYPE TAG DESCRIPTION



Core Material: S - Metal Stud H - Metal CH Stud

Core Thickness:

Metal Studs:

Number indicates metal stud thickness, rounded down where applicable 1 - 1 5/8" 2 - 2 1/2" 3 - 3 5/8" 4 - 4"

Number indicates the fire-resistive rating in hours. Unrated walls have no designation.

Height and STC:

A - Wall is continuous to the structural deck above and includes sound batt B - Wall is continuous to the structural deck above with no sound batt D - Wall extends to 6" above the ceiling with no sound batt P - Wall is partial height {to 5'-0" AFF} {-RE Floor Plan for top of wall}

Asymmetric Modifiers:

X - Single side gypsum board R - Resilient sound channel

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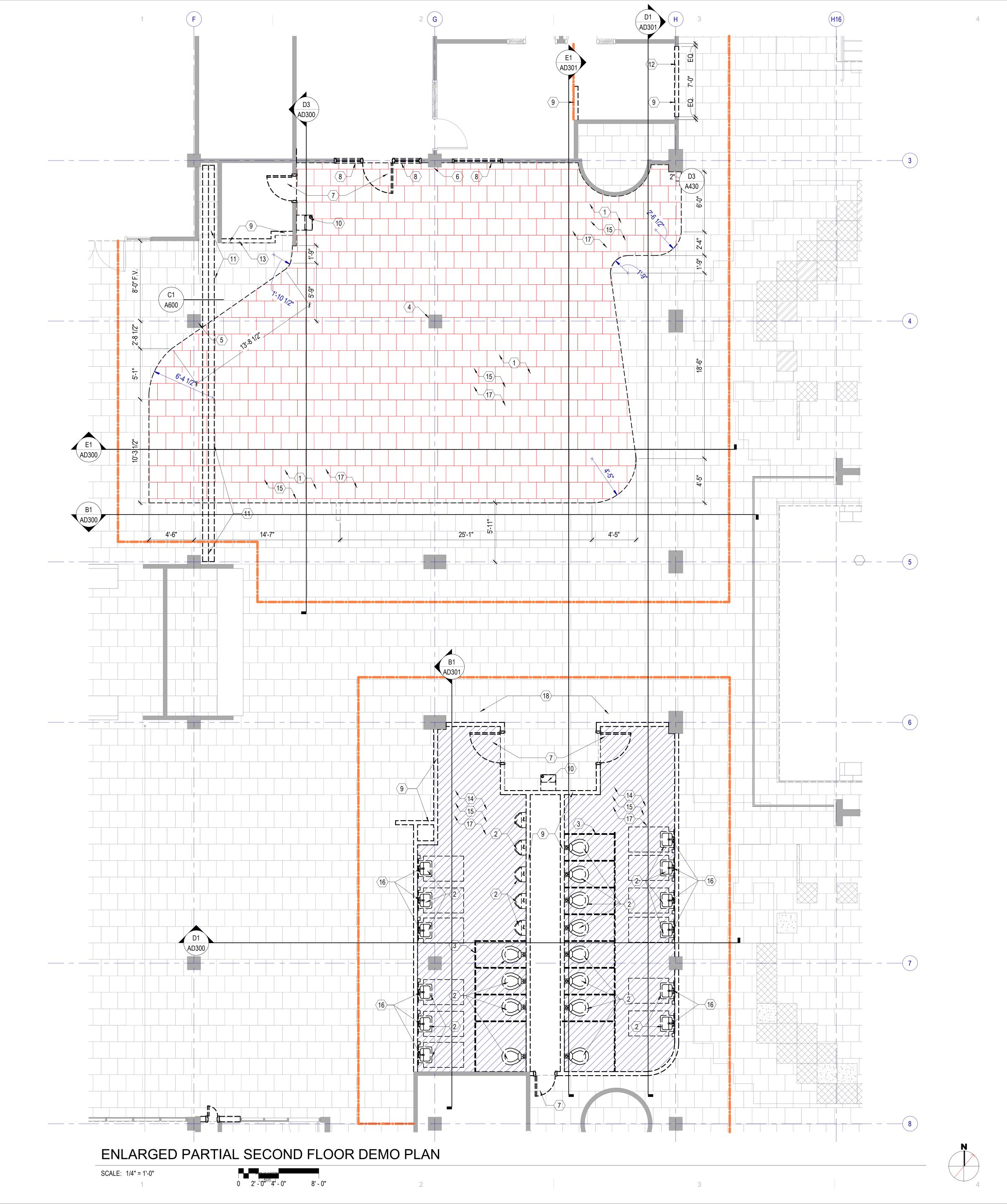
REVISIONS CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.△ DATE DESCRIPTION

27 OCTOBER 2023

INTERIOR WALL **TYPES & TYPICAL DETAILS**

G500



DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and service lines, irrigation lines, sub-surface structures and all other existing construction both above and below grade.

Protection: Protect existing construction to remain from damage during demolition and new construction work. Repair any damage resulting from this work.

Protect in-place, existing mechanical, plumbing and electrical systems above ceilings that are not shown to be removed. This includes, but is not limited to: network cabling, coax cabling, conduits, piping, ductwork,

When removing concrete slabs on grade, take all necessary precautions to protect electrical lines in or under those slabs.

Site Access: Coordinate phased access to the site with the Owner, including times of restricted access.

Coordination: Coordinate extent of walls to be removed with architectural floor plan(s).

Masonry Walls: Where masonry walls are demolished, clean and repair newly exposed surfaces to match

Salvage: Review with the owner, casework, wood trim, furniture, equipment and wall mounted display surfaces left behind after owner move out, that are not shown on drawings. Identify as either salvage or to be disposed of by contractor. **Oak Trim** that is removed during demo to be salvaged and reused to patch and repair as required.

Where indicated to be removed, salvage whiteboards and tack boards for reuse, UNO.

Where indicated to be removed, salvage undamaged acoustical ceiling panels for use in repair, patching and modifications of existing ceilings. Use only in ceilings where panels match.

Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition. Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

Timeline: Contractor cannot demolish existing restrooms until the new restrooms are complete and are able to be occupied.

LEGEND - DEMOLITION

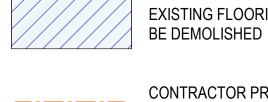
UTILITIES.

EXISTING TO REMAIN

REMOVE: & SALVAGE DOOR & DOOR HARDWARE. HORN & STROBE **DEVICES** = = = = = = REMOVE: FRAME, WALLS & ASSOCIATED DEVICES, FINISHES,



CARPET TO BE REMOVED & SALVAGED



CONTRACTOR PROVIDED TEMPORARY

CONSTRUCTION WORK BARRIER

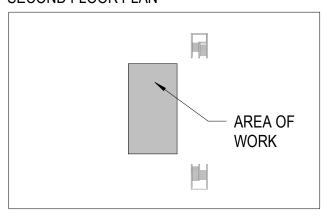
NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION. NOT ALL NOTES APPLY TO THIS SHEET.

KEYNOTES - DEMOLITION

- (1) REMOVE & SALVAGE EXISTING CARPE. PATCH AND REPAIR CONCRETE AND PREP FOR NEW FLOORING. SALVAGED CARPET TO SLCC ATTIC STOCK, PLACE ON PALLETS AS PER SLCC STANDARD
- DEMO EXISITNG PLUMBING FIXTURE
- DEMO EXISTING PARTITIONS, TYP.
- SALVAGE OAK TRIM AROUND COLUMN, FLOOR TO CEILING TO BE REUSED IN NEW CONSTRUCTION
- (5) SALVAGE OAK TRIM ON EAST HALF OF COLUMN TO BE REUSED IN NEW
- CONSTRUCTION \langle 6 \rangle SALVAGE OAK TRIM ON COLUMN SOUTH OF THE EXISTI. WALL, FLOOR TO
- CEILING TO BE REUSED IN NEW CONSTRUCTION
- REMOVE & SALVAGE EXISTING DOOR & HARDWARE
- DEMO EXISTING WINDOW
- DEMO EXISTING WALL, TYP. REFER TO DEMO RCP TO COORD. HEIGHT OF **DEMOLITION EXTENTS.**
- (10) REMOVE & SALVAGE AND RELOCATE EXISTING D.F. SEE PLANS FOR NEW
- (11) DEMO EXISTING FIRE DOOR, REMOVE DOOR AND STRUCTURE TO STEEL PLATE
- ABOVE. SEE DETAIL C5/A600 (12) PATCH AND REPAIR FLOOR, ADD TRANSITION AS SCHEDULED
- DEMO EXISTING FIRE SPRINKLER VALVE AND PIPING
- DEMO EXISTING FLOORING AND REMOVE MORTAR BED DOWN TO SLAB ON DECK. PATCH AND REPAIR, LEVEL WITH ADJACENT CONCRETE AND PREP FOR NEW
- REMOVE & SALVAGE HORN & STROBES, RETURN TO OWNER FOR ATTIC STOCK. REMOVE & SALVAGE FAUCETS & ELECTRONIC CONTROLLERS. RETURN TO
- OWNER FOR ATTIC STOCK. (17) REMOVE & SALVAGE CEILING MOUNTED ELECTRONIC DEVICES. RETURN TO
- OWNER FOR ATTIC STOCK.
- (18) CONTRACTOR CANNOT DEMOLISH EXISTING RESTROOMS UNTIL NEW

RESTROOM IS COMPLETE AND ABLE TO BE OCCUPIED

KEY PLAN SECOND FLOOR PLAN





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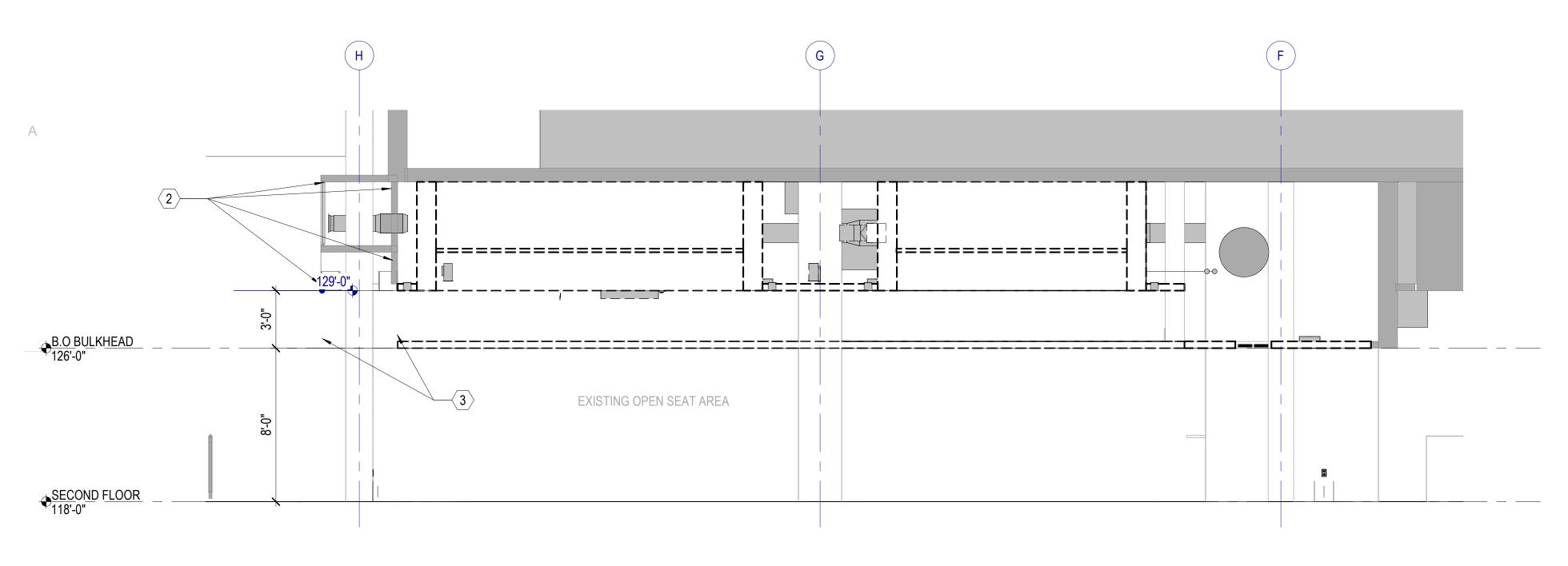
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NO. A DATE

27 OCTOBER 2023

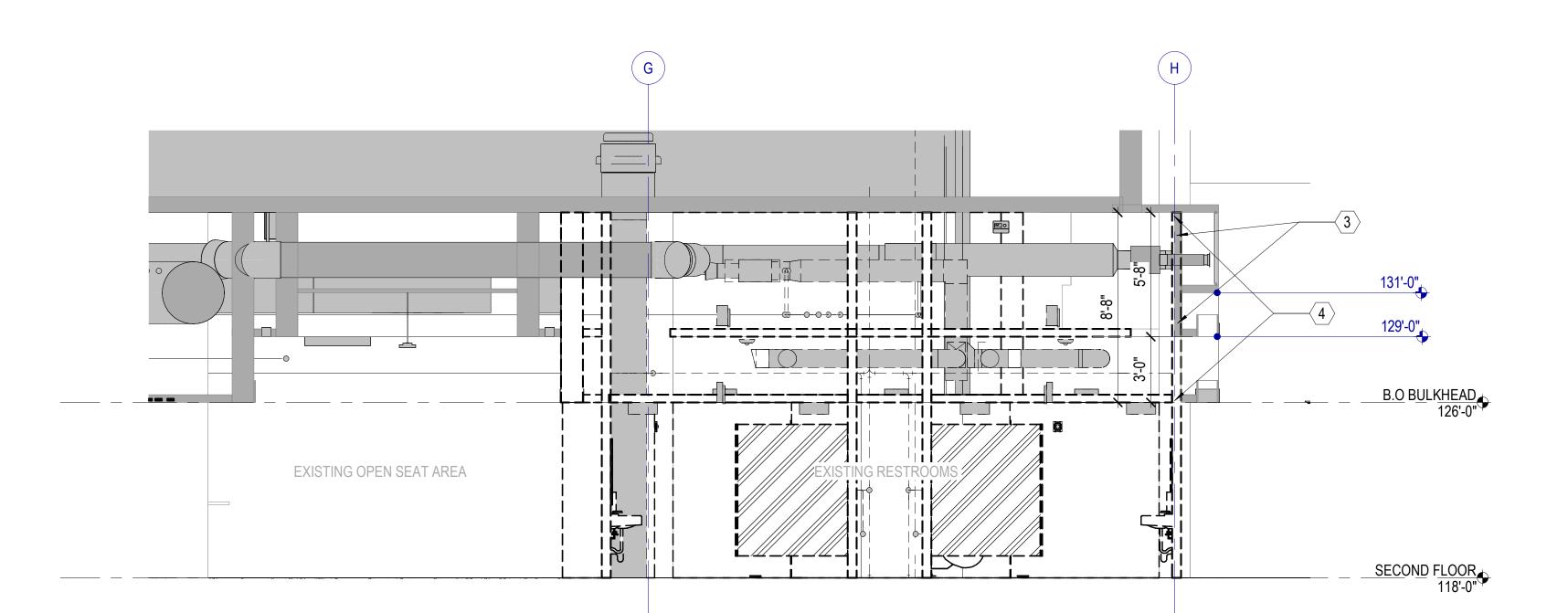
SECOND FLOOR **DEMOLITION PLAN**

AD102



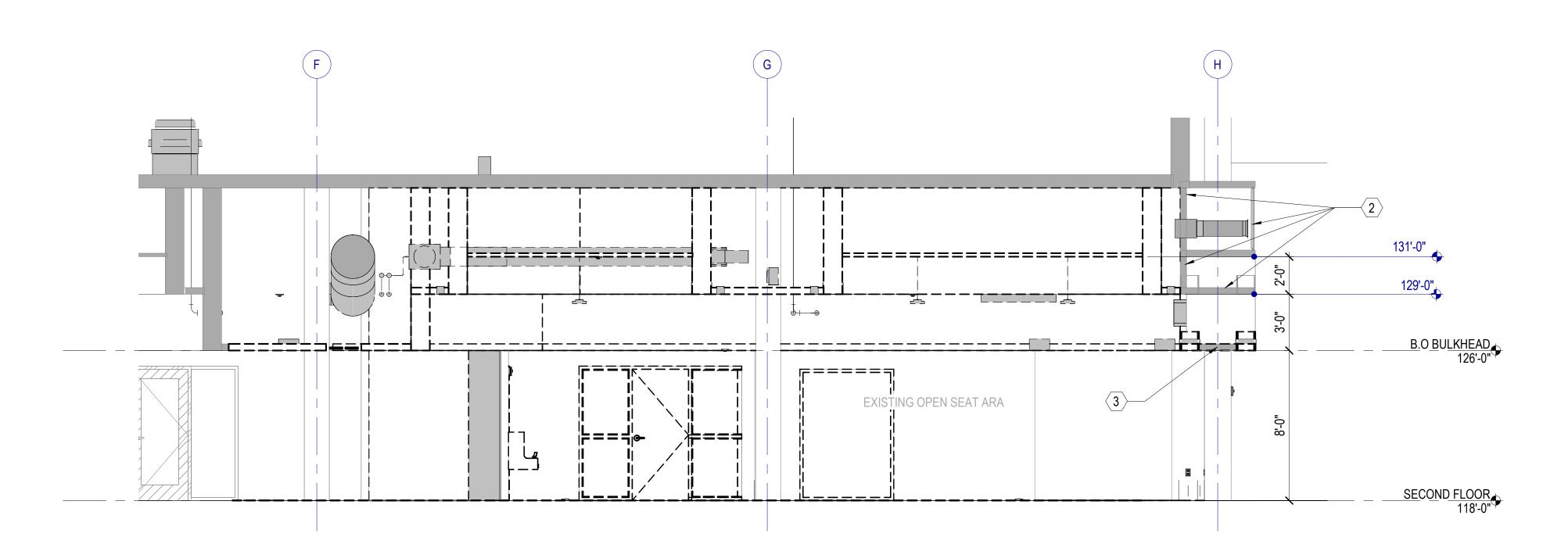
DEMOLITION SECTION - EXISTING OPEN SEAT AREA

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



DEMOLITION SECTION - EXISTING RESTROOMS

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



DEMO SECTION - EXISTING OPEN SEATING AREA

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

DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and service lines, irrigation lines, sub-surface structures and all other existing construction both above and below grade.

Protection: Protect existing construction to remain from damage during demolition and new construction work. Repair any damage resulting from this work.

Protect in-place, existing mechanical, plumbing and electrical systems above ceilings that are not shown to be removed. This includes, but is not limited to: network cabling, coax cabling, conduits, piping, ductwork,

When removing concrete slabs on grade, take all necessary precautions to protect electrical lines in or under those slabs.

Site Access: Coordinate phased access to the site with the Owner, including times of restricted access.

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Where indicated to be removed, salvage whiteboards and tack boards for reuse, UNO.

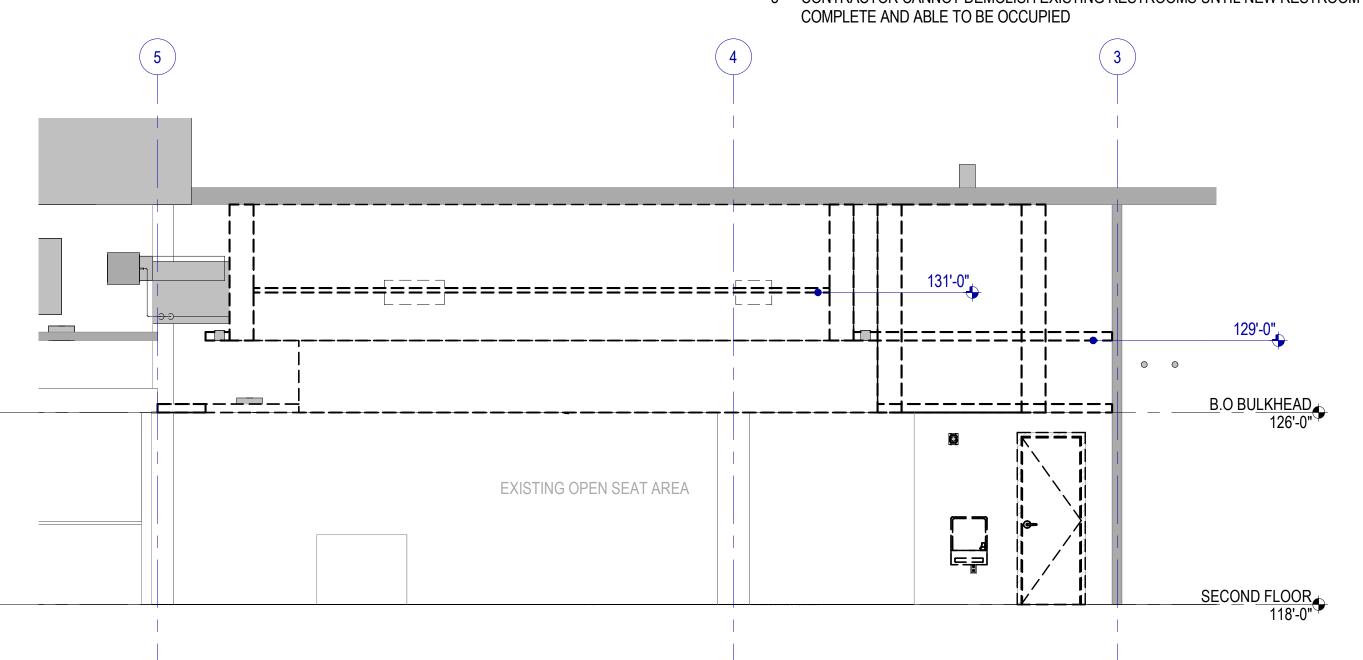
Where indicated to be removed, salvage undamaged acoustical ceiling panels for use in repair, patching and modifications of existing ceilings. Use only in ceilings where panels match.

Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition. Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

Timeline: Contractor cannot demolish existing restrooms until the new restrooms are complete and are able to be occupied.

KEYNOTES - DEMO CEILINGS

- 1 DEMO EXISTING CEILING. COORD. WITH STRUCTURE, MECHANICAL, AND
- ELECTRICAL ABOVE
- EXISTING CEILING TO REMAIN
- PARTIAL DEMO FIELD VERIFY CONDITION TO UNDERSTAND EXTENT OF DEMO. 4 REMOVE BACK SIDE OF VALANCE, PATCH AND REPAIR AND ADD NEW DRYWALL WHERE REQUIRED.
- \langle 5 angle Salvage oak trim to infill column where lower valance has been
- REMOVED. PATCH, REPAIR, PAINT TO MATCH OTHER COLUMNS
- (6) REMOVE OAK TRIM AND SOFFIT TO THIS POINT. PATCH AND REPAIR TO MATCH SURROUND FINISHES.
- 7 PATCH AND REPAIR CEILING WHERE WALL IS REMOVED
- 8 CONTRACTOR CANNOT DEMOLISH EXISTING RESTROOMS UNTIL NEW RESTROOM IS



DEMO SECTION - EXISTING OPEN SEATING AREA

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Suite 250

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T GOAST CODE CONSULTANTS, IN

MHTN Architects, Inc.

Salt Lake City, Utah 84101 Telephone (801) 595-6700

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27 OCTOBER 2023

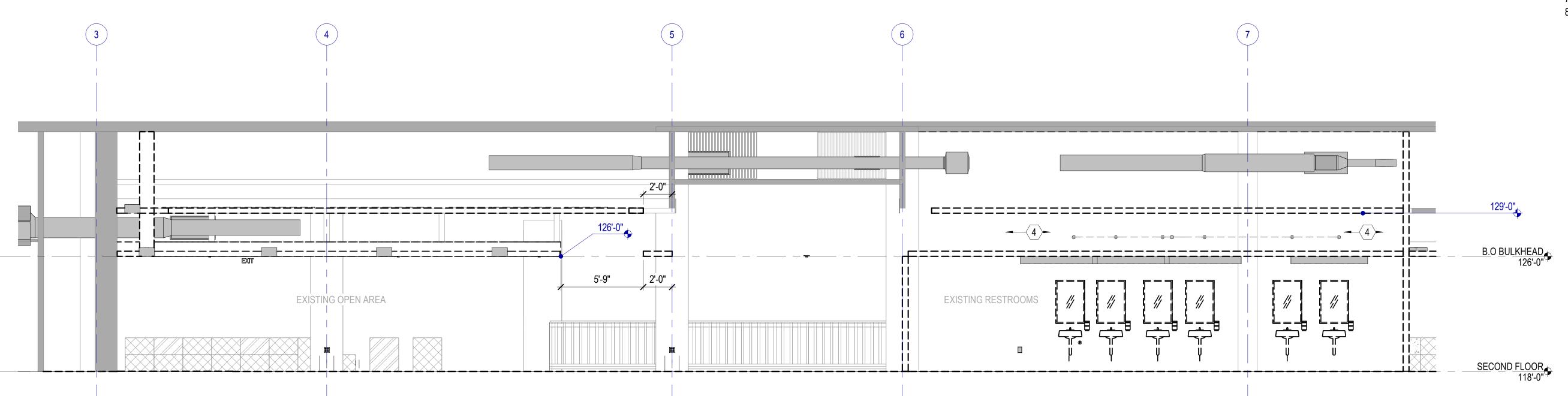
SECTIONS

SHEET NAME

DEMOLITION PARTIAL BUILDING

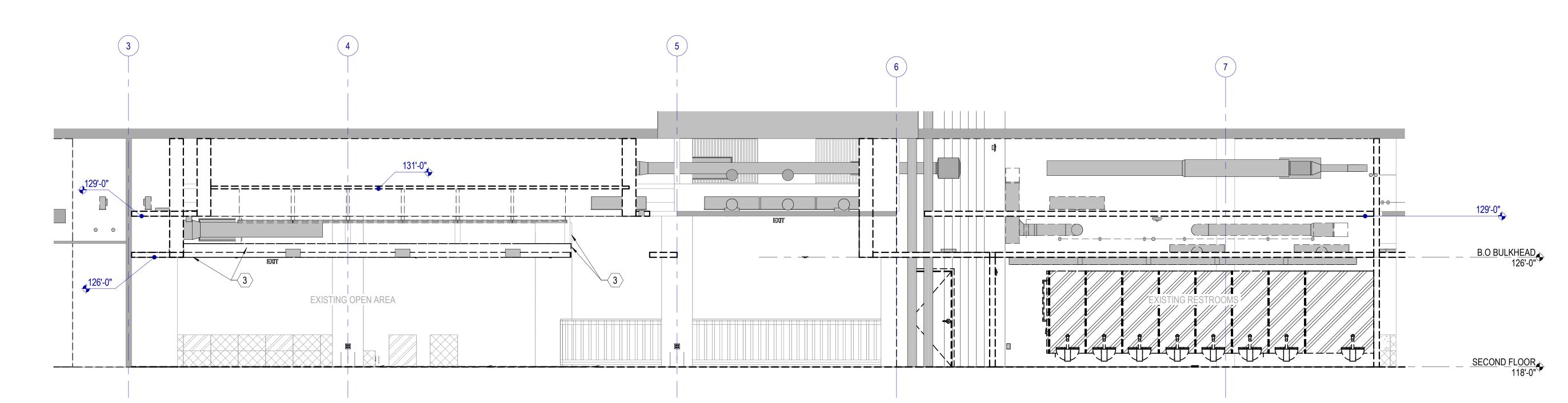
DEMOLITION SECTION - EXISTING RESTROOMS

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



DEMOLITION SECTION - EXISTING OPEN AREA AND RESTROOMS

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



DEMOLITION SECTION - EXISTING OPEN AREA AND RESTROOMS

DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and service lines, irrigation lines, sub-surface structures and all other existing construction both above and below grade.

Protection: Protect existing construction to remain from damage during demolition and new construction work. Repair any damage resulting from this work.

Protect in-place, existing mechanical, plumbing and electrical systems above ceilings that are not shown to be removed. This includes, but is not limited to: network cabling, coax cabling, conduits, piping, ductwork,

When removing concrete slabs on grade, take all necessary precautions to protect electrical lines in or under those slabs.

Site Access: Coordinate phased access to the site with the Owner, including times of restricted access.

Coordination: Coordinate extent of walls to be removed with architectural floor plan(s).

Masonry Walls: Where masonry walls are demolished, clean and repair newly exposed surfaces to match

Salvage: Review with the owner, casework, wood trim, furniture, equipment and wall mounted display surfaces left behind after owner move out, that are not shown on drawings. Identify as either salvage or to be disposed of by contractor. **Oak Trim** that is removed during demo to be salvaged and reused to patch and repair as required.

Where indicated to be removed, salvage whiteboards and tack boards for reuse, UNO.

Where indicated to be removed, salvage undamaged acoustical ceiling panels for use in repair, patching and modifications of existing ceilings. Use only in ceilings where panels match.

Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition. Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

Timeline: Contractor cannot demolish existing restrooms until the new restrooms are complete and are able to be occupied.

KEYNOTES - DEMO CEILINGS

- (1) DEMO EXISTING CEILING. COORD. WITH STRUCTURE, MECHANICAL, AND
- ELECTRICAL ABOVE
- EXISTING CEILING TO REMAIN
- PARTIAL DEMO FIELD VERIFY CONDITION TO UNDERSTAND EXTENT OF DEMO. 4 REMOVE BACK SIDE OF VALANCE, PATCH AND REPAIR AND ADD NEW DRYWALL WHERE REQUIRED.
- (5) SALVAGE OAK TRIM TO INFILL COLUMN WHERE LOWER VALANCE HAS BEEN REMOVED. PATCH, REPAIR, PAINT TO MATCH OTHER COLUMNS
- (6) REMOVE OAK TRIM AND SOFFIT TO THIS POINT. PATCH AND REPAIR TO MATCH
- SURROUND FINISHES. 7 PATCH AND REPAIR CEILING WHERE WALL IS REMOVED
- 8 CONTRACTOR CANNOT DEMOLISH EXISTING RESTROOMS UNTIL NEW RESTROOM IS

COMPLETE AND ABLE TO BE OCCUPIED



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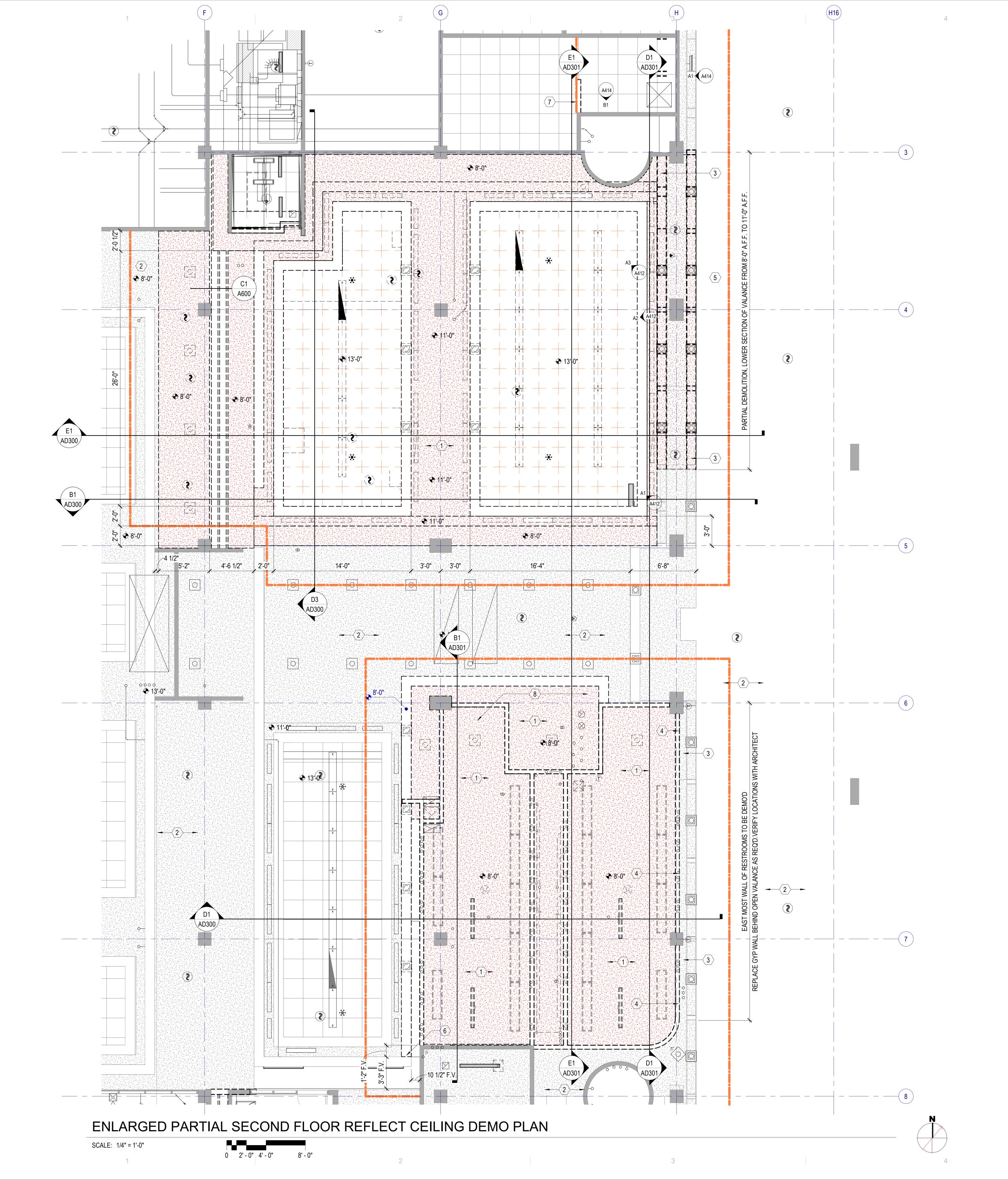
REVISIONS CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLEC

LAST REVISION DATE.

27 OCTOBER 2023

SHEET NAME

DEMOLITION PARTIAL BUILDING SECTIONS



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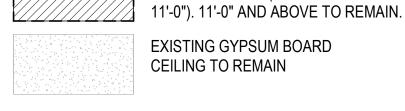
Timeline: Contractor cannot demolish existing restrooms until the new restrooms are complete and are able to be occupied.

LEGEND - CEILING DEMOLITION

EXISTING WALLS/SOFFITS TO REMAIN ====== WALLS & OTHER ITEMS TO BE DEMOLISHED 24 X 24 ACOUSTICAL CEILING



PAINTED GYPSUM BOARD TO BE DEMOLISHED GYPSUM AND OAK TRIM VALANCE TO BE DEMOLISHED (8'-0" AFF. UP TO



CONTRACTOR PROVIDED TEMPORARY

CONSTRUCTION WORK BARRIER

NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION. NOT ALL NOTES APPLY TO THIS SHEET.

KEYNOTES - DEMO CEILINGS

- 1 DEMO EXISTING CEILING. COORD. WITH STRUCTURE, MECHANICAL, AND
- **ELECTRICAL ABOVE**
- 2 EXISTING CEILING TO REMAIN
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Original drawing is 30 x 42. Do not scale contents of this dra

REVISIONS CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

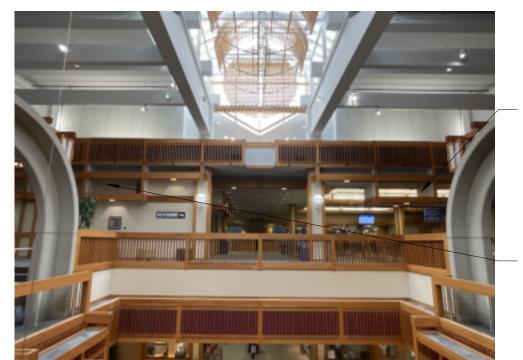
27 OCTOBER 2023

SECOND FLOOR RCP DEMO PLAN

AD702

KEY PLAN
SECOND FLOOR PLAN

- AREA OF WORK



REMOVE BOTTOM SECTION OF VALANCE FOR NEW INCLUSIVE RESTROOMS

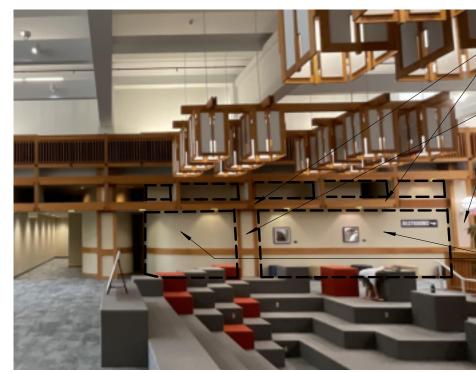
REMOVE BACK WALL OF VALANCE





SCALE: 12" = 1'-0"

SCALE: 12" = 1'-0"

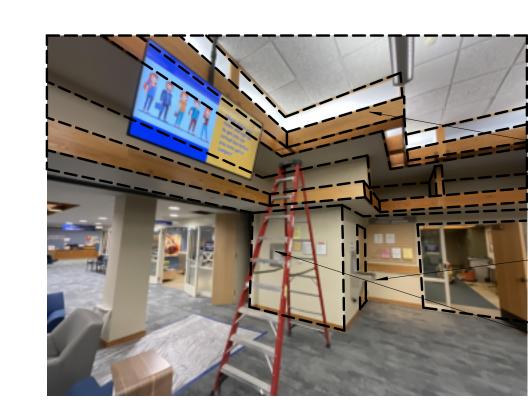


EAST WALL OF RESTROOMS

OAK TRIM TO COLUMNS AND OAK TRIM TO REMAIN. PATCH AND REPLACE OAK TRIM ON BACK SIDES OF COLUMS AFTER DEMO.

DEMO RESTROOM WALLS - FILL IN BACK SIDE OF VALANCE WHERE REQUIRED.





DEMO EXISTING CEILINGS, SOFFITS, AND VALANCES AS INDICATED ON AD702.

IN FIELD. RELOCATE FIRE SPRINKLER CONTROLS. COORD. IN FIELD.

FOUNTAIN. COORD.

RELOCATE DRINKING

NORTH WALL OF OPEN AREA

SCALE: 12" = 1'-0"



DEMO VALANCE BELOW @9'-0" AS INDICATED ON DEMO RCP, RE.: AD702. PATCH AND REPAIR AS

> NOTE: VALANCE AND OAK TRIM @ 11'-0" AND ABOVE TO REMAIN. SALVAGE OAK TRIM AS NEEDED. SALVAGE ANY LIGHT FIXTURES BACK TO OWNER.





AND OAK TRIM TO REMAIN. WALL **BEHIND VALANCE** TO BE DEMO'D, PATCH AND REPAIRED AS REQUIRED.

CORNER OF EXIST. RESTROOMS

SCALE: 12" = 1'-0"



SOFFIT, VALANCE AND OAK TRIM REMOVED TO THIS CORNER.

SOUTH VALANCE TO ADD NEW TRANSITION SOFFIT AND OAK TRIM ON SOUTH VALANCE TO FINISH EDGE TO THE EAST WALL OF **EXISTING ROOM 236Q**

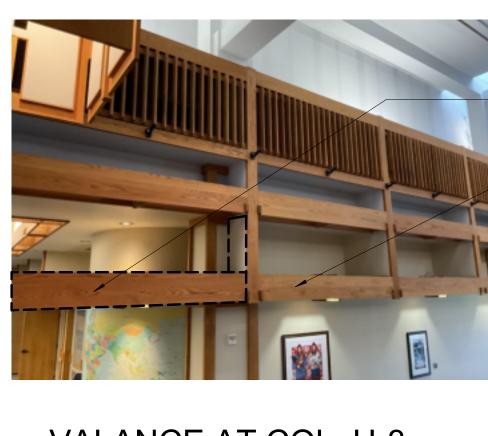
WHICH REMAINS.

AREA WEST OF RESTROOMS

SCALE: 12" = 1'-0"



FRONT OF RESTROOMS



VALANCE AT COL. H-3 / SCALE: 12" = 1'-0"



COLUMN WHERE VALANCE IS DEMOLISHED, TYP.

PATCH AND REPAIR

DEMO 9'-0" VALANCE

SOUTH OF COLUMN

NORTH OF COLUMN

PATCH AND REPAIR

9'-0" VALANCE

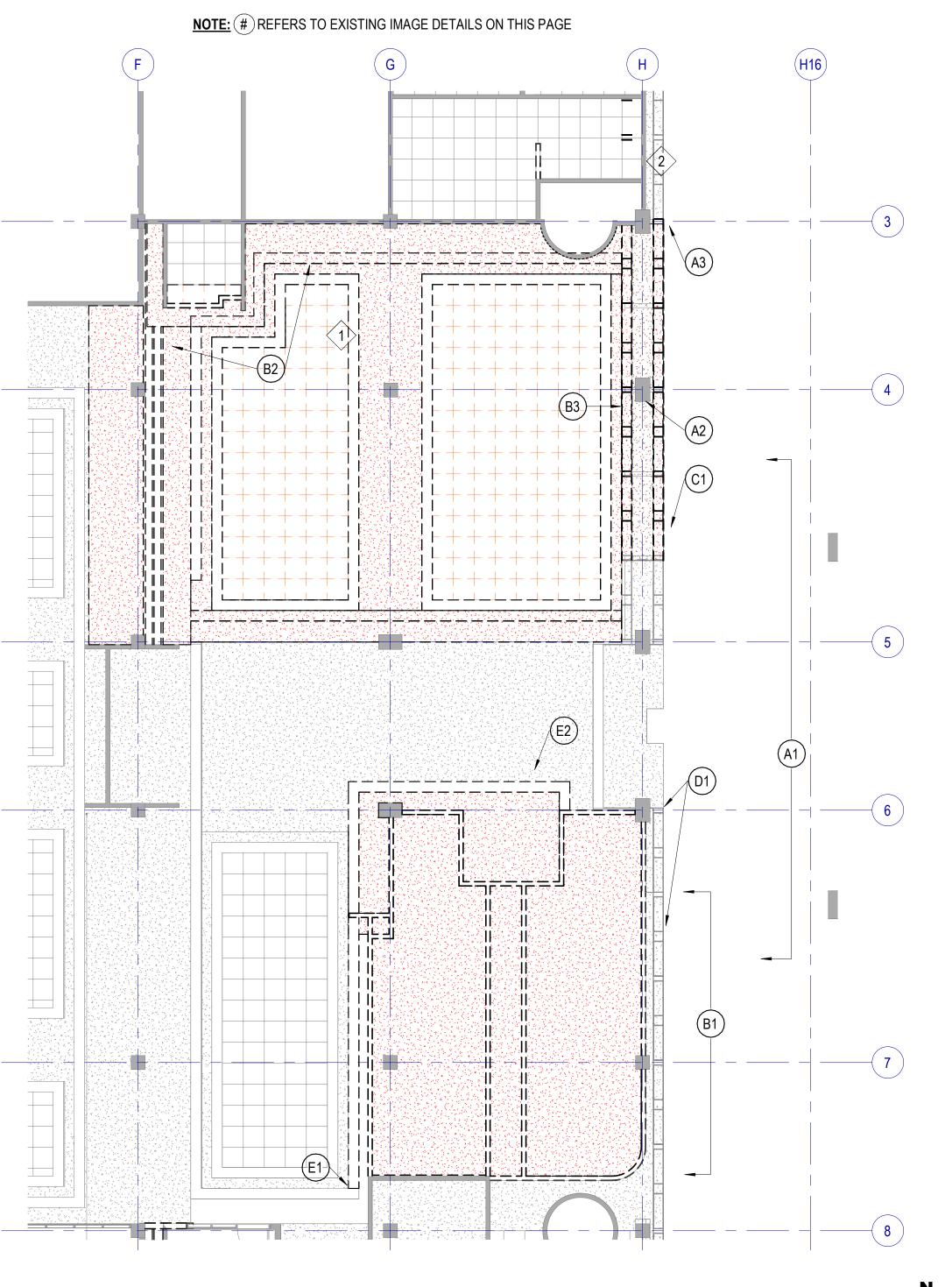
H-3 TO REMAIN.

AS REQUIRED.

DEMO 9'-0" VALANCE UP TO 11'-0". PATCH AND REPAIR AS REQUIRED. SALVAGE LIGHT FIXTURES TO OWNER.

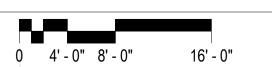
WEST SIDE OF VALANCE

SCALE: 12" = 1'-0"



EXISTING IMAGE REFERENCE PLAN

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



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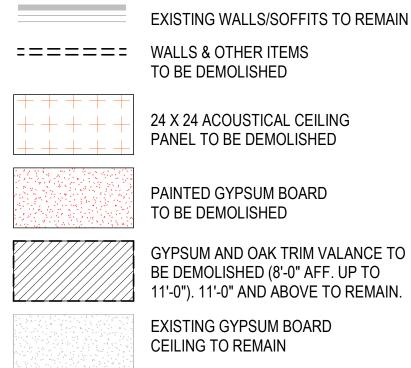
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LEGEND - CEILING DEMOLITION

beginning work in the area.



CONTRACTOR PROVIDED TEMPORARY CONSTRUCTION WORK BARRIER

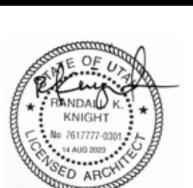
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KEY PLAN
SECOND FLOOR PLAN

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CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLEC LAST REVISION DATE.

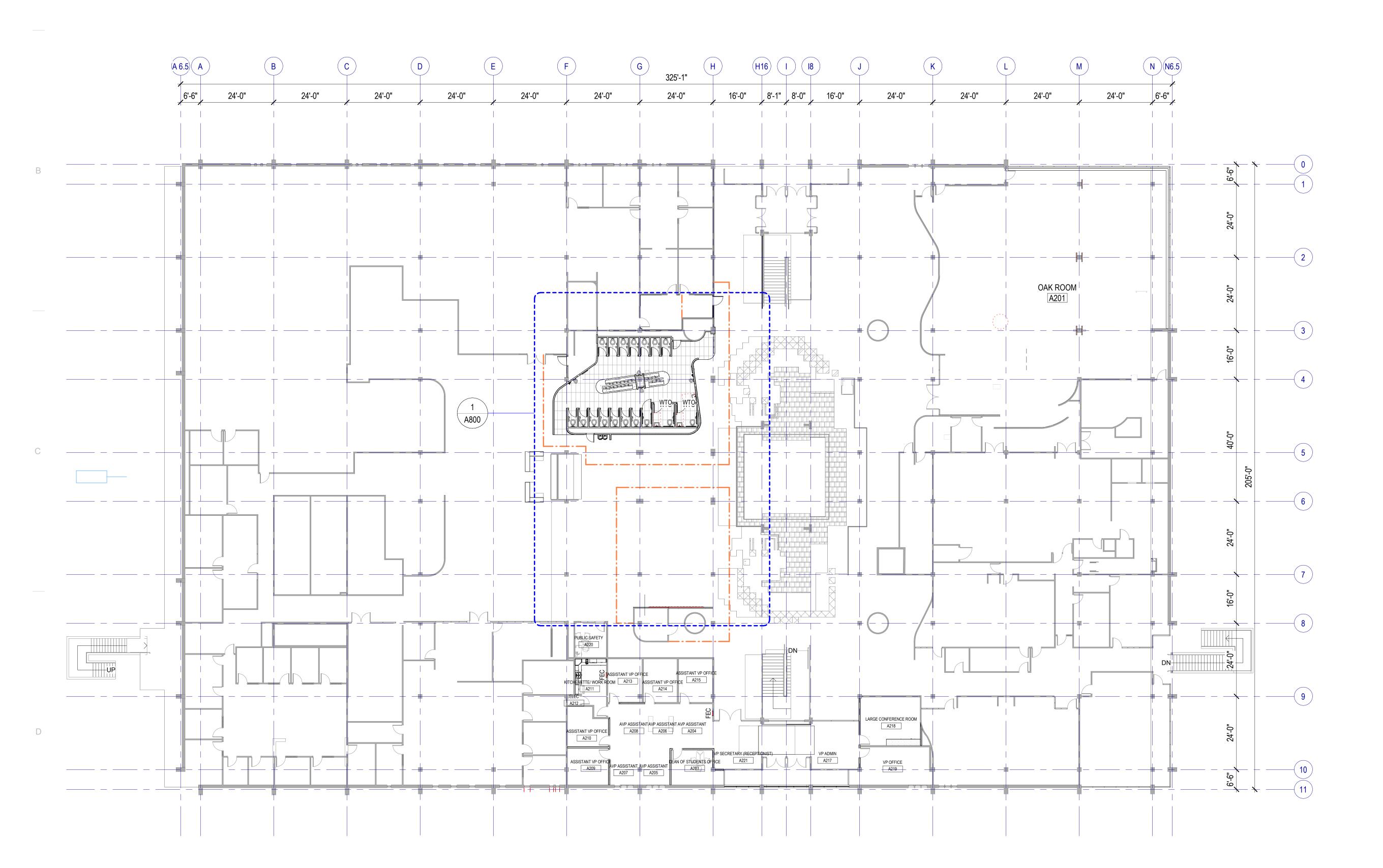
BID SET 27 OCTOBER 2023

SECOND FLOOR RCP DEMO REFERENCE PLAN & EXIST. IMAGES

AD703

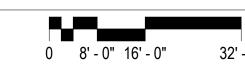
- AREA OF

WORK



OVERALL SECOND FLOOR PLAN

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





FLOOR PLAN GENERAL NOTES

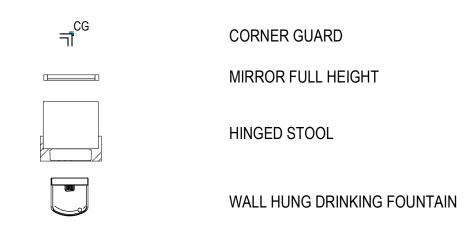
- References to sheets below are provided to aid in navigating the drawings.
- RE: G200 for Fixture Mounting Heights.
- RE: G500 for Interior Wall Types.
- RE: G600 for typical details.
- RE: A600 for the Door Schedule.
- RE: A620 drawings for Window Types.
- RE: Structural for slab recesses.
- RE: Structural for concrete scoring, except where decorative scoring is shown.

Rated Construction: Provide as shown on the plans, the Life Safety Plans and elsewhere in the documents. Seal penetrations with systems applicable to the application and that have UL or other testing agency certifications.

Keynotes: Not all keynotes apply to this sheet.







TRASH RECEPTACLE CONTRACTOR PROVIDED TEMPORARY

CONSTRUCTION WORK BARRIER

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLAN.

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REVISIONS CONTRACTOR TO LAST REVISION D) VERIFY DRAWINGS IN FIELD USE RI	EFL

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NO.	DATE	DESCRIPTION

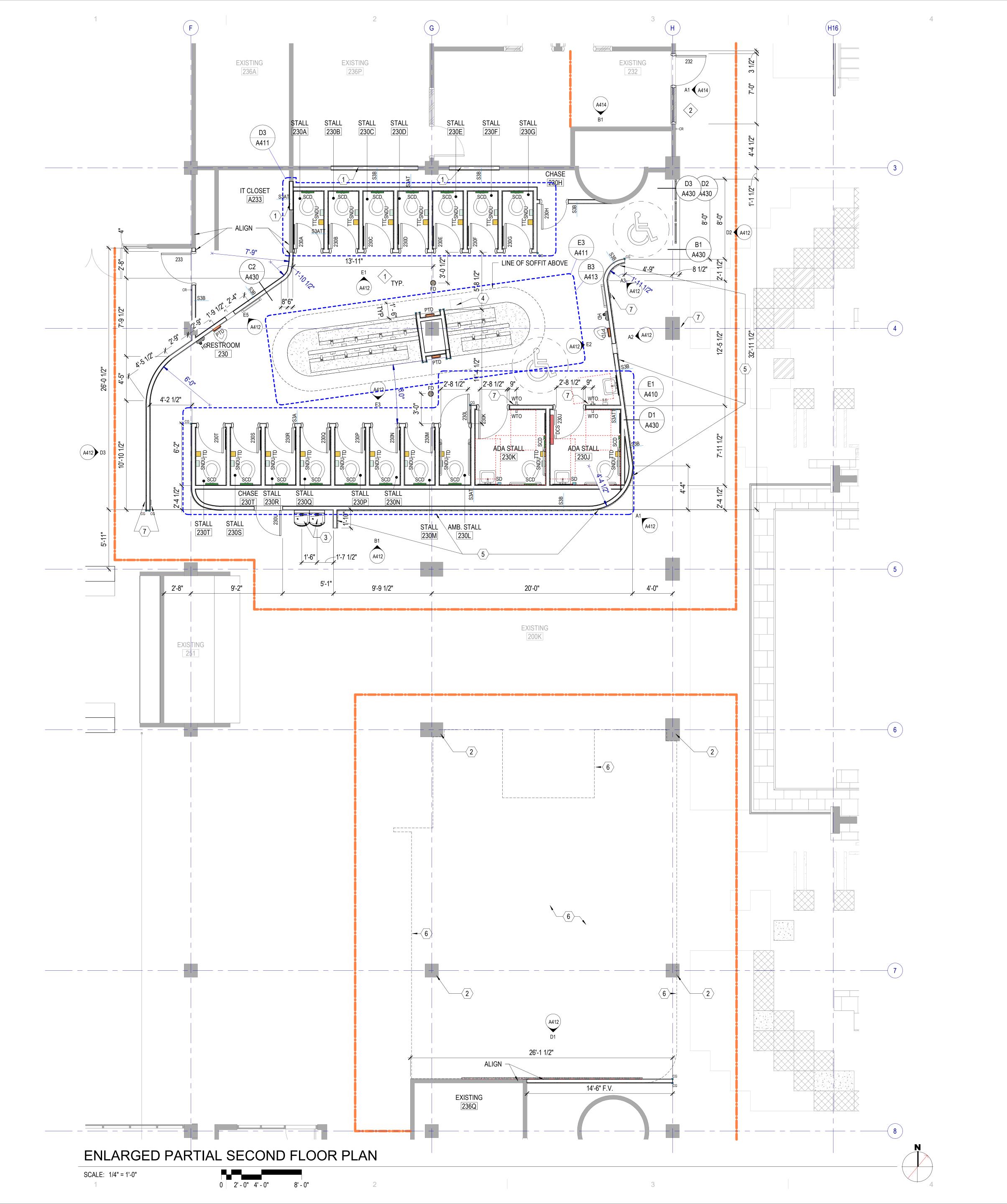
27 OCTOBER 2023

OVERALL SECOND FLOOR PLAN

A102

KEY PLAN
SECOND FLOOR PLAN

— AREA OF WORK



FLOOR PLAN GENERAL NOTES

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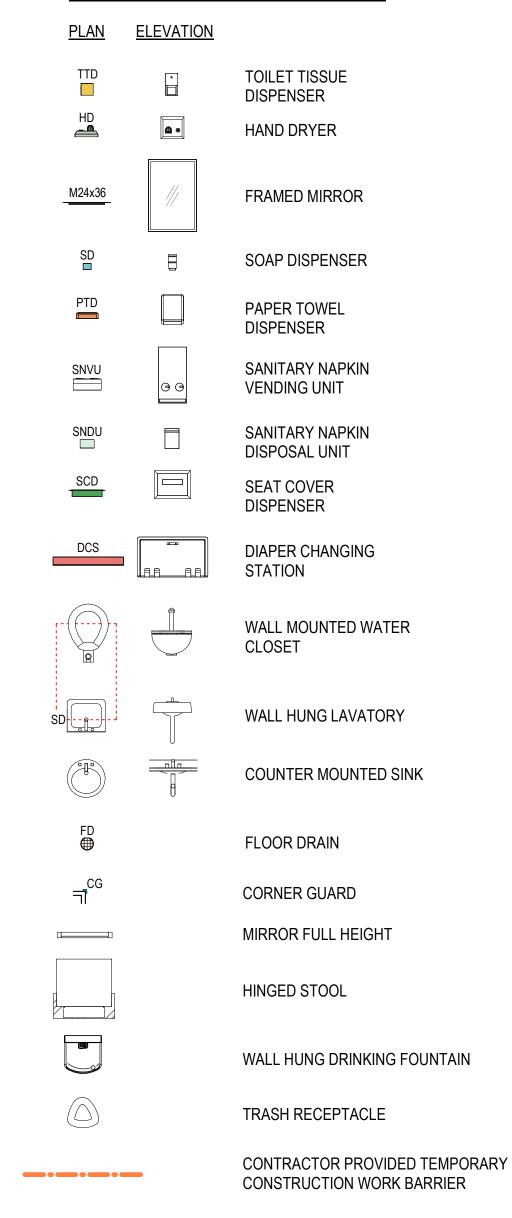
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ARCHITECTS



LEGEND - TOILET ROOMS

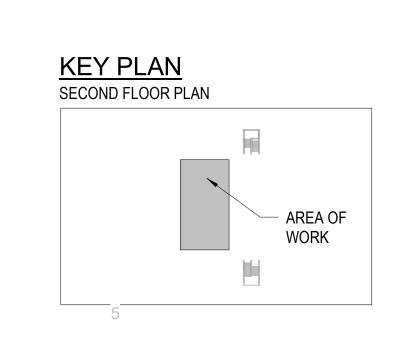


NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND

IN THE QUANTITIES SHOWN ON THE PLAN.

KEYNOTES - FLOOR PLANS

- INFINLL WALL, MATCH EXISTING WALL TYPE
- TRIM OUT COLUMN IN SALVAGED OAK, MATCH EXISTING COLUMNS RELOCATED DRINKING FOUNTAINS FROM EXISTING LOCATION TO NEW LOCATION. ONE MOUNTED @ ADA HEIGHT AND ONE MOUNTED AT STANDARD HEIGHT. SEE INTERIOR ELEV. B1/A412
- HINGED STEP STOOL. MAX. OF 6" MIN. OF 5.5" FROM THE FRONT EDGE OF THE LAVATORY.
- **AWP-2 ON ALL WALLS**
- NEW FLOORING PER SPECIFICATIONS. PRIOR TO FLOORING INSTALL PROVIDE SELF-LEVELING CONCRETE (OR SIMILAR) TO RAISE FLOOR LEVEL WITH ADJACENT SPACES. SEE AD102 AND A652.
- 7 INCLUSIVE ACCESSIBLE RESTROOM SIGNAGE AS REQUIRED BY IBC. FINAL LOCATION TO BE COORDINATED WITH OWNER AND ARCHITECT.



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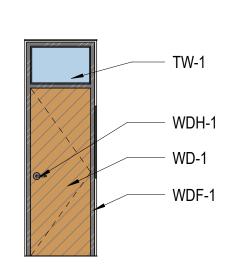
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LAST REVISION DATE.

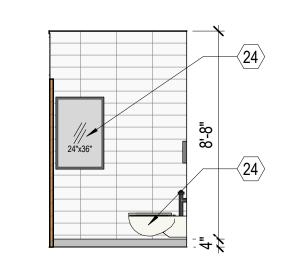
BID SET

27 OCTOBER 2023 ENLARGED SECOND FLOOR

PLAN

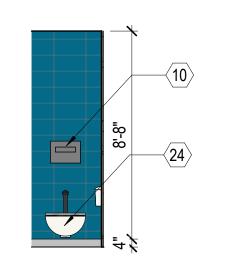


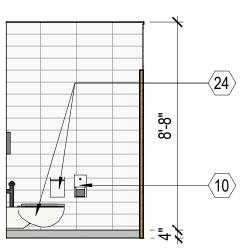
STALL TYPICAL NORTH

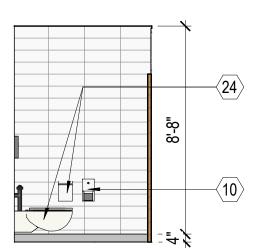


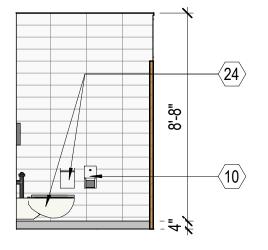
STALL TYPICAL EAST

SCALE: 1/4" = 1' 0"











KEYNOTES - ELEVATION

- 10 OWNER-FURNISHED. CONTRACTOR INSTALLED.
- SLS-4 FLUSH ACCESS PANEL TO PLUMBING W/ FINGER HOLES. 29 1/2"W x 18"H LED COVE LIGHTING FIXTURE. SPEC. PROVIDED BY ELECTRICAL ENGINEER.
 - 13 LAM-4 BUILT-IN BENCH
- SLS-4 SINK MIDDLE RADIUS 10 1/2"
- 16 ELECTRONIC CARD READER
- WALL REMOVED SEE DEMO. PLAN. PAINT TO MATCH EXISTING
- STEP N WASH, CENTER ON SINK FAUCET. INSTALL TO ALIGN HINGE/BRACKET WITH EDGE OF COUNTER.
- (19) AWP-2 NEED OWNERS APPROVAL/SHOP DRAWINGS. LARGER PANELS ARE PREFERRED FOR THE STRAIGHT AND CURVED WALLS
- (20) NEW ENTRANCE DOOR MATCH EXISTING FINISHES (DOOR FRAME AND
- 21 PWP-1 FINISH HEIGHT 8'(AFF TO CEILING). FINISH WIDTH 2'. 2" OFF THE GROUND.
- (22) OPEN ACCESS TO PLUMBING
- 23 COORD. WITH PLUMING AND ELECTRICAL
- 24 CONTRACTOR PROVIDED. CONTRACTOR INSTALLED. 25 ENHANCED REACH LAV. & SOAP DISPENSER. COORD. W/ELEC.

Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display boards and similar items.

Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

Cabinet Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

INTERIOR ELEVATIONS GENERAL NOTES

Dimensions shown to walls or casework are to finished face of wall or cabinet, UNO.

purposes only. Refer to mechanical, electrical, plumbing and telecom drawings.

Equipment and furniture indicated by dashed lines is a general representation and shown for

Mechanical, electrical, plumbing and telecom rough-in locations are shown for general coordination

Countertops: 25" deep, UNO. Provide backsplashes and sidesplashes where indicated on elevations

Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications. Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.

Accessories: Owner Furnished, Contractor Installed. U.N.O.

LEGEND - TOILET ROOMS

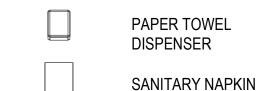
<u>PLAN</u> <u>ELEVATION</u>

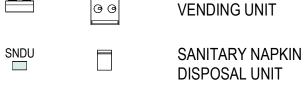
RE: G500 for Interior Wall Types.

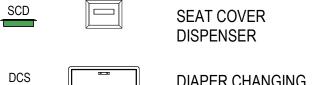
coordination purposes only.

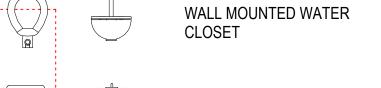
RE: A640 for the Finish Schedule and Legend.

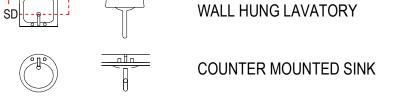












FLOOR DRAIN **CORNER GUARD**

HINGED STOOL

WALL HUNG DRINKING FOUNTAIN

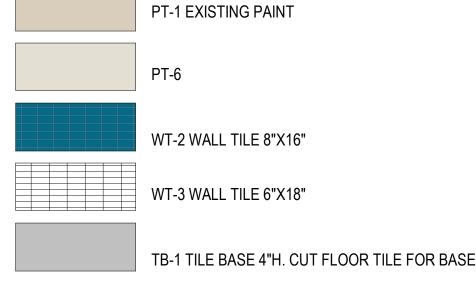
MIRROR FULL HEIGHT

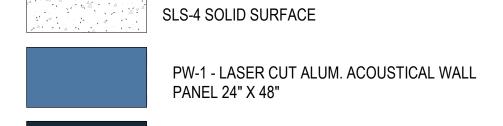
TRASH RECEPTACLE

CONTRACTOR PROVIDED TEMPORARY -----CONSTRUCTION WORK BARRIER

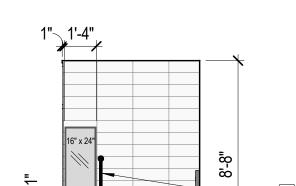
<u>IN THE QUANTITIES SHOWN ON THE PLAN.</u>

LEGEND - INTERIOR ELEVATION





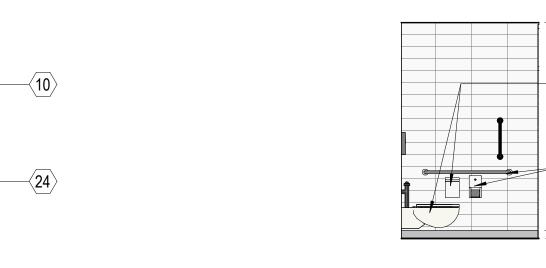
PWP-1 - FRAMED PARTITIONS W/ LASER CUT ALUM.



B2 AMB. STALL EAST

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

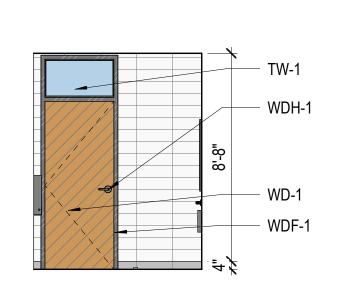






STALL TYPICAL SOUTH



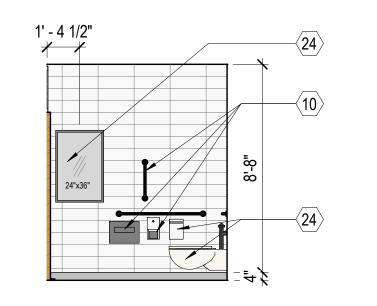


SCALE: 1/2" = 1'-0"

C1 ADA STALL NORTH

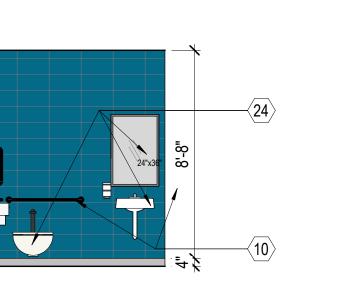
AMB. STALL NORTH

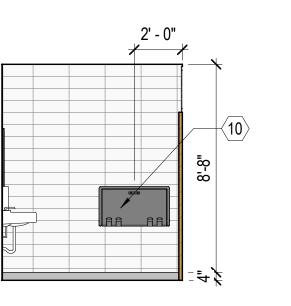
SCALE: 1/4" = 1'-0"



C2 ADA STALL EAST

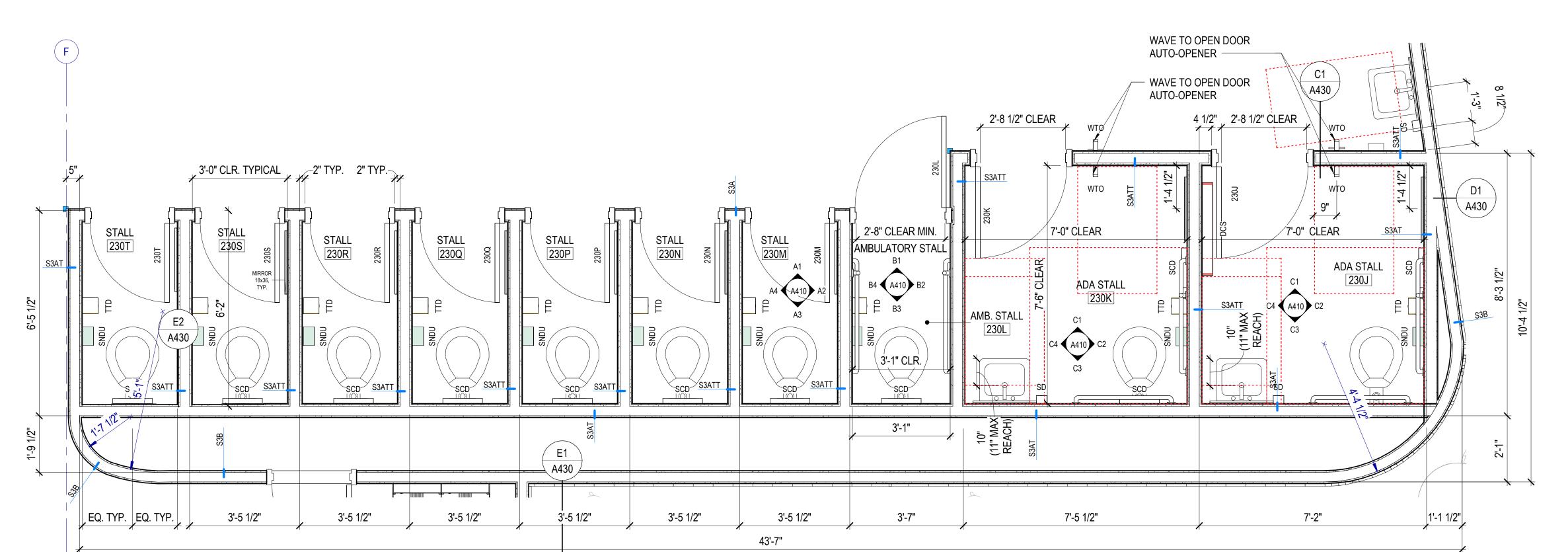
SCALE: 1/4" = 1'-0"











ENLARGED PARTIAL SECOND FLOOR PLAN - SOUTH STALLS

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

ARCHITECTS MHTN Architects, Inc. 280 South 400 West Suite 250 Salt Lake City, Utah 84101 Telephone (801) 595-6700 www.mhtn.com



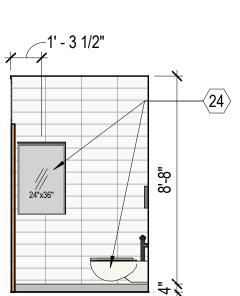
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		2
MHTN PI	ROJECT NO. 2 (022560.01
Original d	rawing is 30 x 42.	. Do not scale contents of this drawing.
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REVISIO		IFY DRAWINGS IN FIELD USE REFLEC
	VISION DATE.	II I DIAWINGS IN I IEED OSE KEI EEC
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NO.	DATE	DESCRIPTION

BID SET 27 OCTOBER 2023

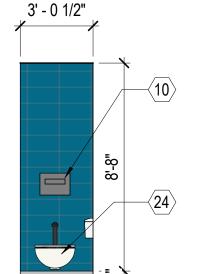
INTERIOR ELEVATIONS & ENLARGED STALLS PLAN

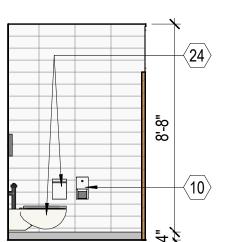


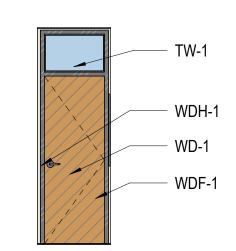
STALL TYPICAL WEST

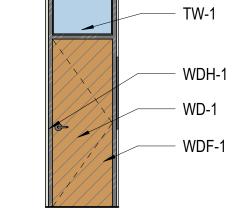
ELEV. SINK WEST

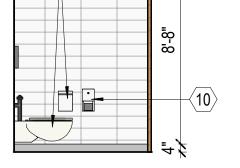
SCALE: 1/4" = 1'-0"

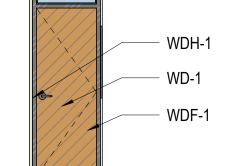


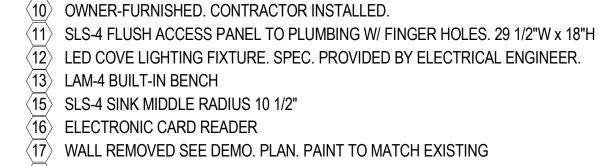












- $race{18}$ STEP N WASH, CENTER ON SINK FAUCET. INSTALL TO ALIGN HINGE/BRACKET WITH EDGE OF COUNTER.
- (19) AWP-2 NEED OWNERS APPROVAL/SHOP DRAWINGS. LARGER PANELS ARE PREFERRED FOR THE STRAIGHT AND CURVED WALLS
- (20) NEW ENTRANCE DOOR MATCH EXISTING FINISHES (DOOR FRAME AND HARDWARE)
- 21 PWP-1 FINISH HEIGHT 8'(AFF TO CEILING). FINISH WIDTH 2'. 2" OFF THE GROUND.
- (22) OPEN ACCESS TO PLUMBING

KEYNOTES - ELEVATION

(23) COORD. WITH PLUMING AND ELECTRICAL

2' - 5 1/2" 2' - 5 1/2" 3' - 7 1/2"

3'-2 1/2"

- (24) CONTRACTOR PROVIDED. CONTRACTOR INSTALLED.
- 25 ENHANCED REACH LAV. & SOAP DISPENSER. COORD. W/ELEC.

Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications.

ARCHITECTS

280 South 400 West

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Suite 250 Salt Lake City, Utah 84101 Telephone (801) 595-6700

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LEGEND - TOILET ROOMS

Accessories: Owner Furnished, Contractor Installed. U.N.O.

RE: G500 for Interior Wall Types.

coordination purposes only.

and casework details.

boards and similar items.

RE: A640 for the Finish Schedule and Legend.

INTERIOR ELEVATIONS GENERAL NOTES

Dimensions shown to walls or casework are to finished face of wall or cabinet, UNO.

purposes only. Refer to mechanical, electrical, plumbing and telecom drawings.

not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

Cabinet Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

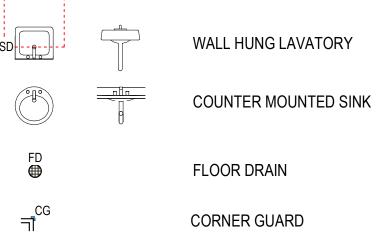
Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.

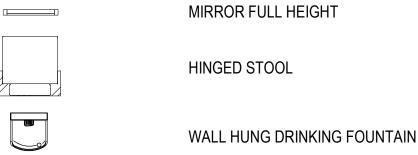
Equipment and furniture indicated by dashed lines is a general representation and shown for

Mechanical, electrical, plumbing and telecom rough-in locations are shown for general coordination

Countertops: 25" deep, UNO. Provide backsplashes and sidesplashes where indicated on elevations







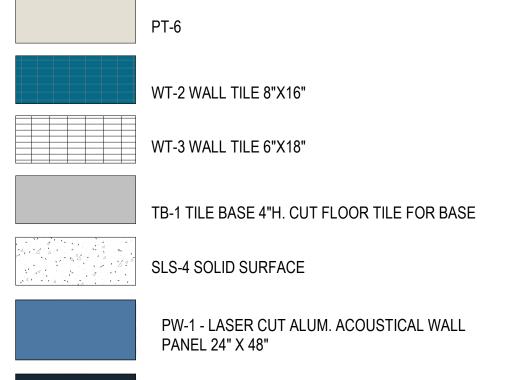


CONSTRUCTION WORK BARRIER

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND <u>IN THE QUANTITIES SHOWN ON THE PLAN.</u>

LEGEND - INTERIOR ELEVATION

PT-1 EXISTING PAINT



PWP-1 - FRAMED PARTITIONS W/ LASER CUT ALUM.



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мнти реојест по. 2022560.01 REVISIONS CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

BID SET 27 OCTOBER 2023

INTERIOR **ELEVATIONS & ENLARGED PLANS**

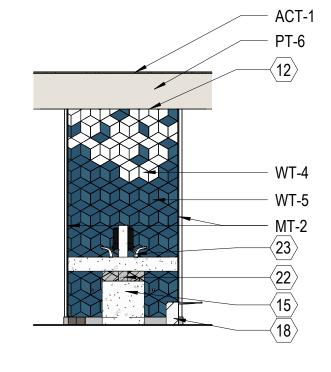
STALL TYPICAL NORTH

STALL TYPICAL EAST

STALL TYPICAL SOUTH

2' - 5" 2' - 5 1/2" 2' - 5 1/2" ÁCCESS

B2 ELEVATION SINK NORTH SCALE: 1/4" = 1'-0"



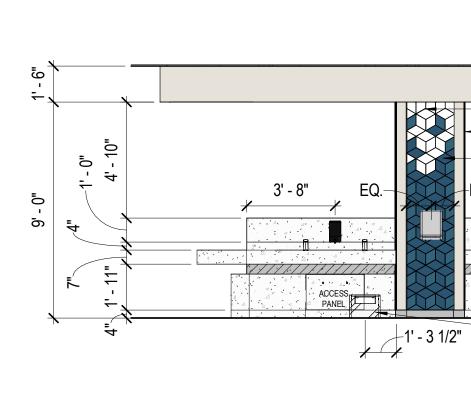
ELEV. SINK EAST

3'-5 1/2"

3'-5 1/2"

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

3'-6 1/2"



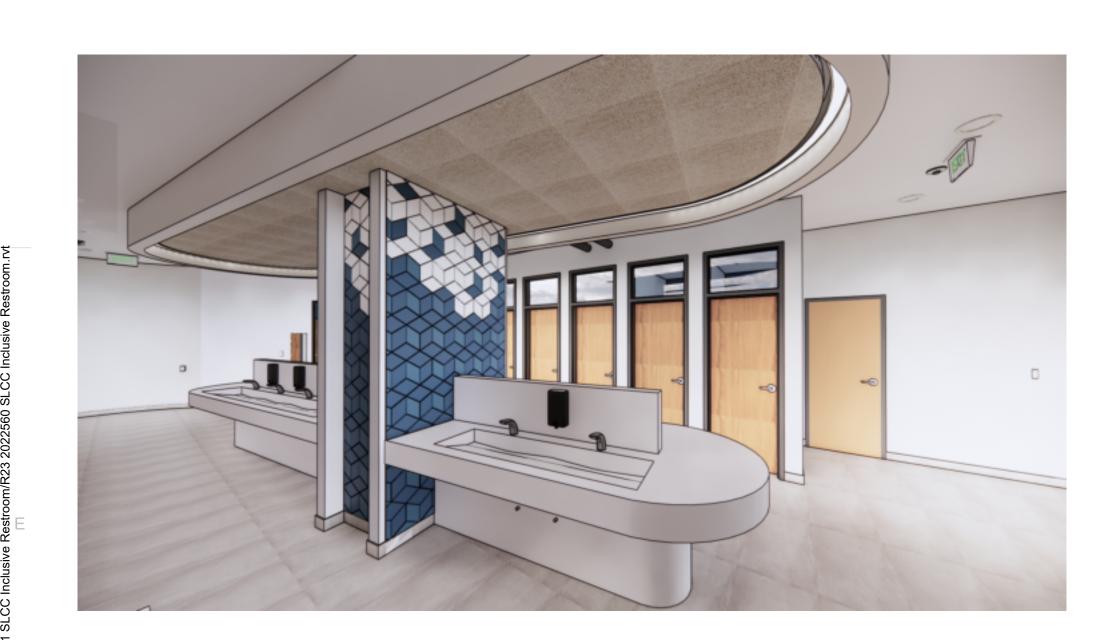


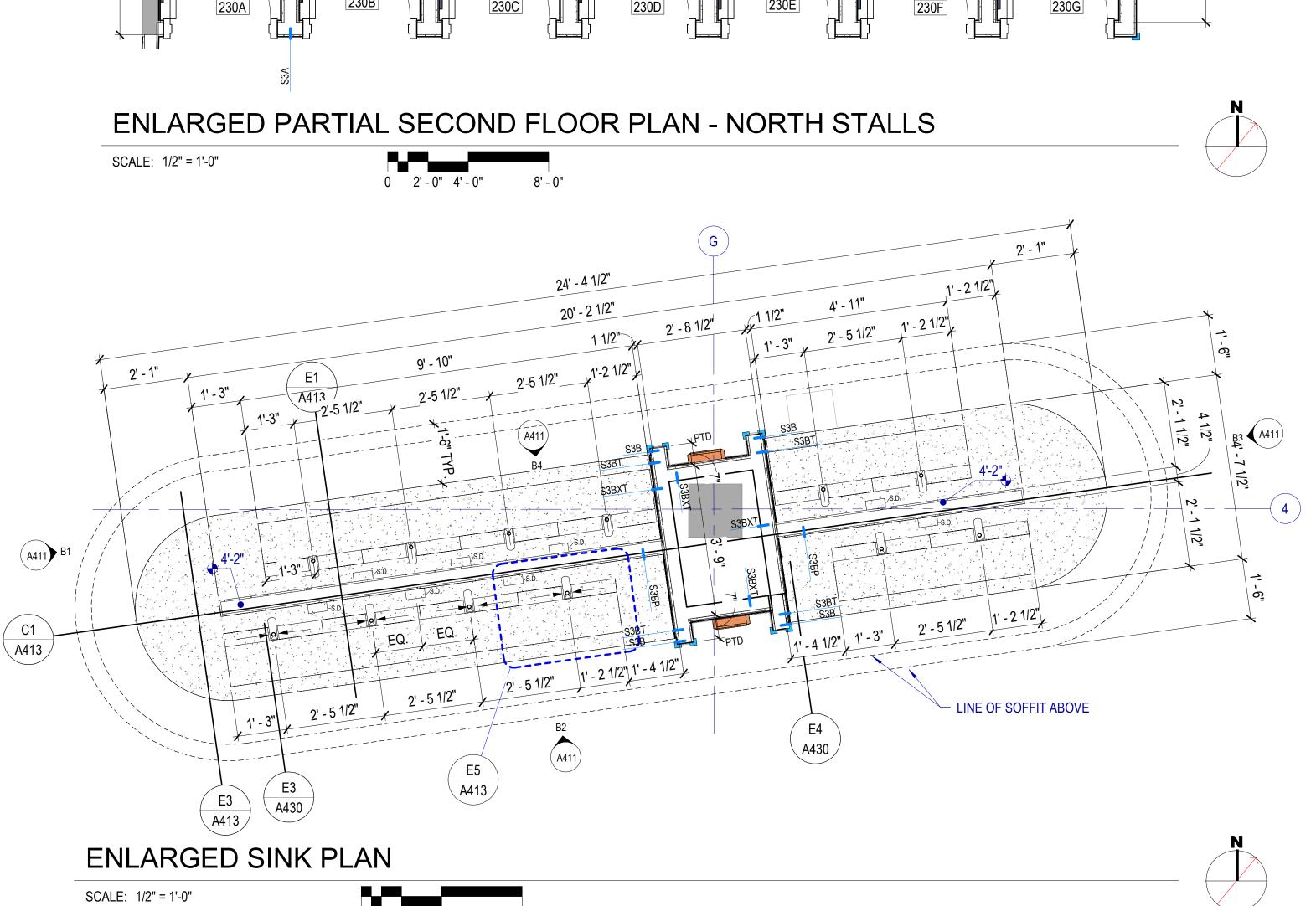


3'-5 1/2"









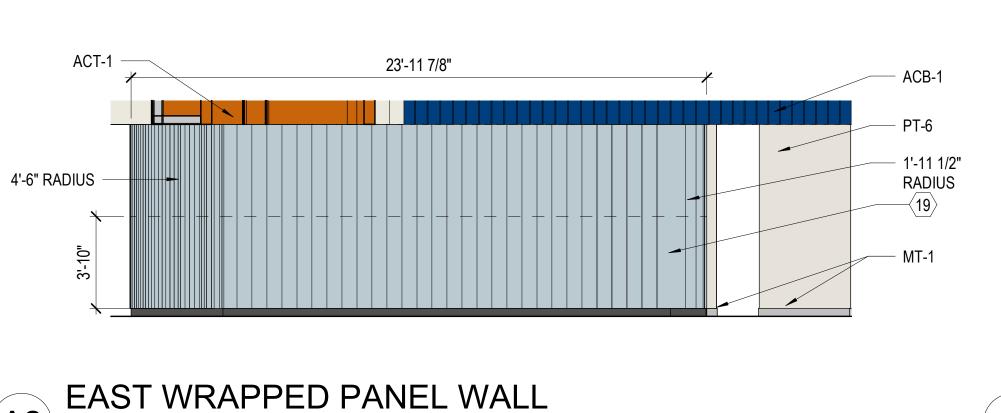
0 2'-0" 4'-0" 8'-0"

A430

1' - 6" 1' - 7"

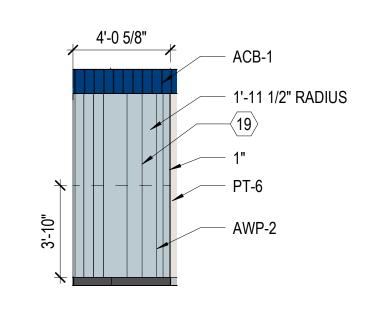
SCALE: 1/4" = 1'-0"

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



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

29'-6 7/8"





KEYNOTES - ELEVATION

- (10) OWNER-FURNISHED. CONTRACTOR INSTALLED.
- SLS-4 FLUSH ACCESS PANEL TO PLUMBING W/ FINGER HOLES. 29 1/2"W x 18"H (12) LED COVE LIGHTING FIXTURE. SPEC. PROVIDED BY ELECTRICAL ENGINEER.
- (13) LAM-4 BUILT-IN BENCH
- (15) SLS-4 SINK MIDDLE RADIUS 10 1/2"
- (16) ELECTRONIC CARD READER
- WALL REMOVED SEE DEMO. PLAN. PAINT TO MATCH EXISTING
- (18) STEP N WASH, CENTER ON SINK FAUCET. INSTALL TO ALIGN HINGE/BRACKET WITH EDGE OF COUNTER.
- (19) AWP-2 NEED OWNERS APPROVAL/SHOP DRAWINGS. LARGER PANELS ARE PREFERRED FOR THE STRAIGHT AND CURVED WALLS (20) NEW ENTRANCE DOOR MATCH EXISTING FINISHES (DOOR FRAME AND
- 21 PWP-1 FINISH HEIGHT 8'(AFF TO CEILING). FINISH WIDTH 2'. 2" OFF THE GROUND.

LEGEND - INTERIOR ELEVATION

PT-1 EXISTING PAINT

WT-2 WALL TILE 8"X16"

WT-3 WALL TILE 6"X18"

SLS-4 SOLID SURFACE

PANEL 24" X 48"

TB-1 TILE BASE 4"H. CUT FLOOR TILE FOR BASE

PW-1 - LASER CUT ALUM. ACOUSTICAL WALL

PWP-1 - FRAMED PARTITIONS W/ LASER CUT ALUM.

- 2" FRAME. (22) OPEN ACCESS TO PLUMBING
- (23) COORD. WITH PLUMING AND ELECTRICAL
- (24) CONTRACTOR PROVIDED. CONTRACTOR INSTALLED.
- 25 ENHANCED REACH LAV. & SOAP DISPENSER. COORD. W/ELEC.

INTERIOR ELEVATIONS GENERAL NOTES

RE: G500 for Interior Wall Types.

RE: A640 for the Finish Schedule and Legend.

Dimensions shown to walls or casework are to finished face of wall or cabinet, UNO. Equipment and furniture indicated by dashed lines is a general representation and shown for

coordination purposes only. Mechanical, electrical, plumbing and telecom rough-in locations are shown for general coordination

purposes only. Refer to mechanical, electrical, plumbing and telecom drawings. Countertops: 25" deep, UNO. Provide backsplashes and sidesplashes where indicated on elevations ARCHITECTS

280 South 400 West

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Salt Lake City, Utah 84101 Telephone (801) 595-6700

and casework details. Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display

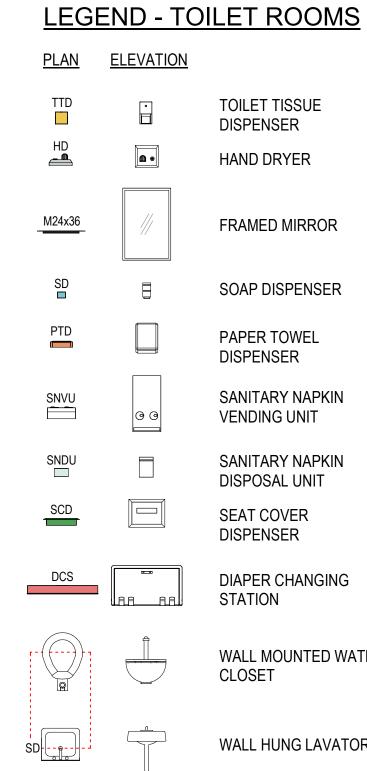
boards and similar items. **Finishes:** Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are

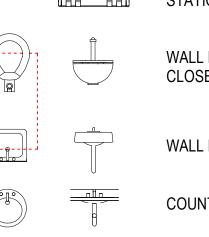
not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

Cabinet Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications. Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.

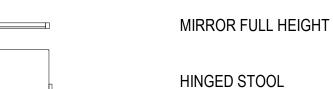
Accessories: Owner Furnished, Contractor Installed. U.N.O.





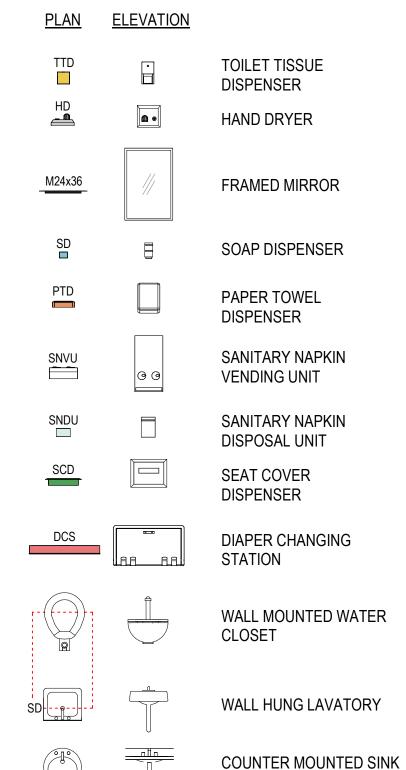












FLOOR DRAIN CORNER GUARD

TRASH RECEPTACLE

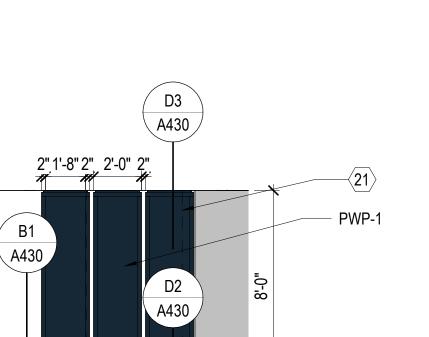


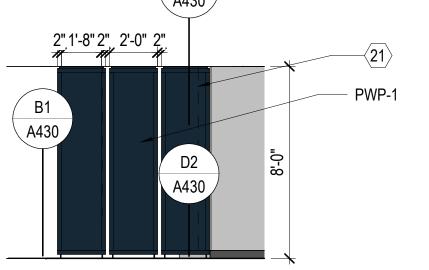
SOUTH WRAPPED PANEL WALL





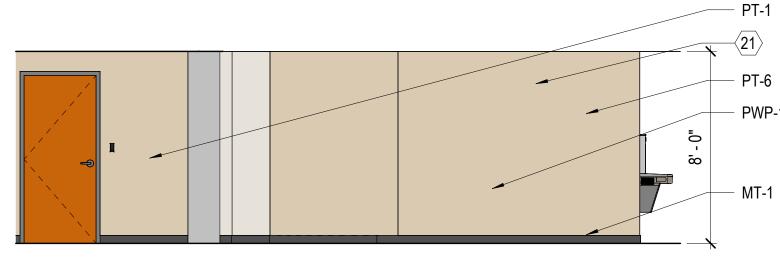




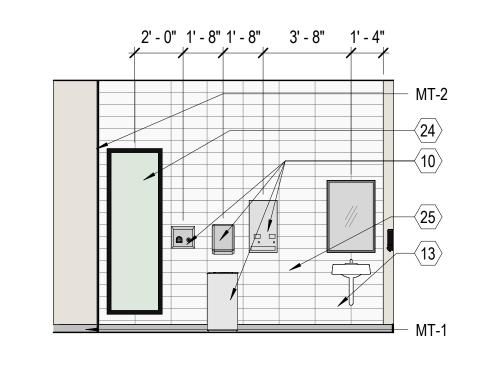


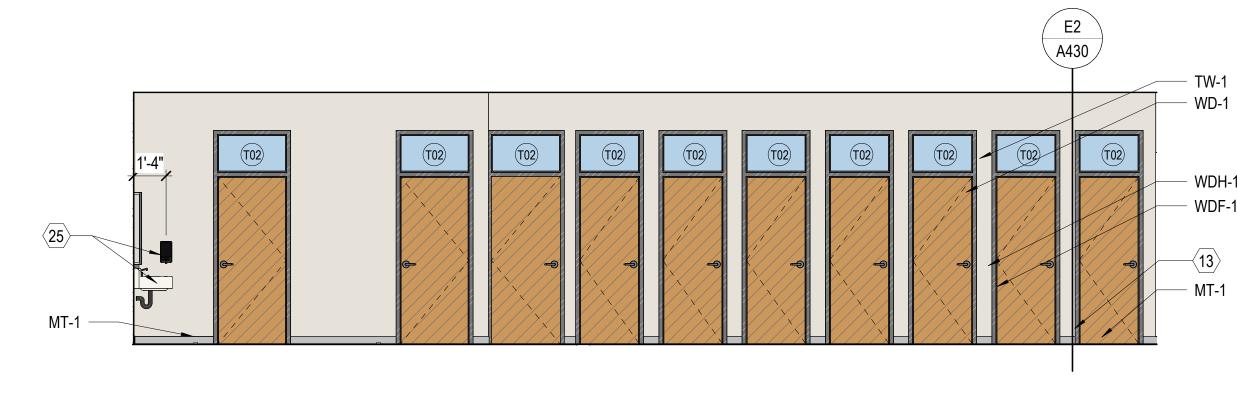
RESTROOM EAST ENTRY

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

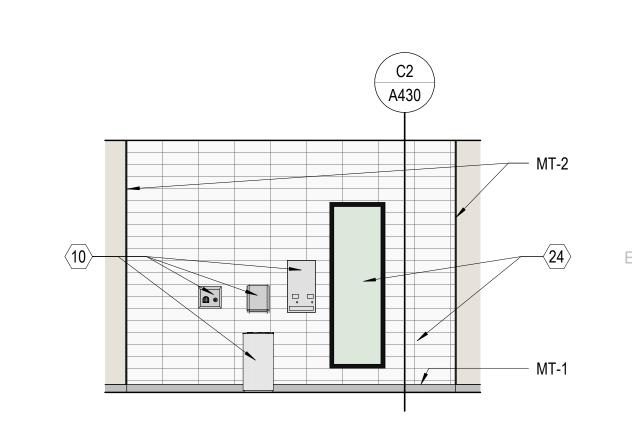














RESTROOM A412

27 OCTOBER 2023

INTERIOR

ELEVATIONS -

INSIDE & OUTSIDE

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REVISIONS CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

LAST REVISION DATE.

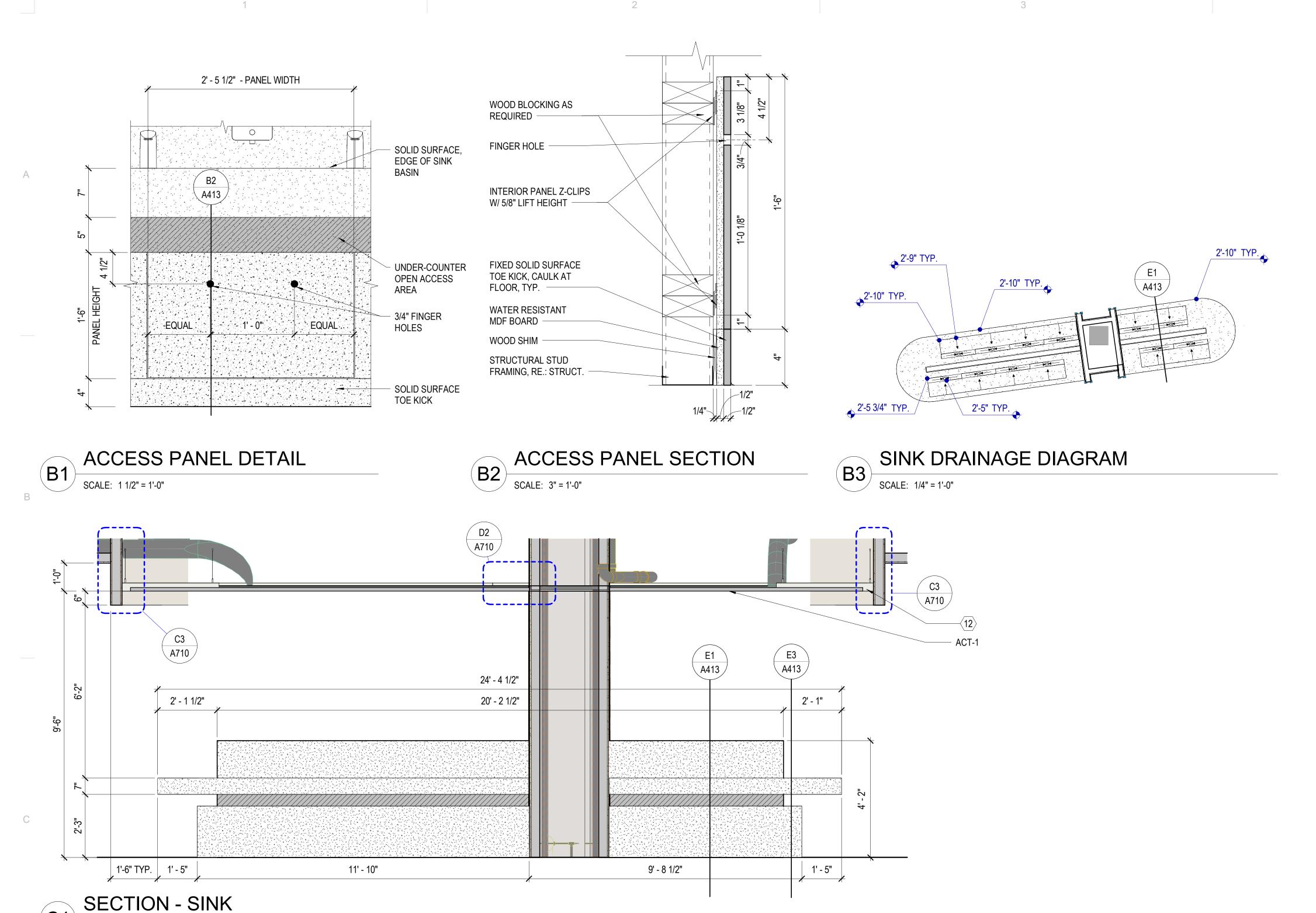
INSIDE RESTROOM NORTH WALL SCALE: 1/4" = 1'-0"

INSIDE RESTROOM EAST WALL E2 INSIDE R
SCALE: 1/4" = 1'-0"

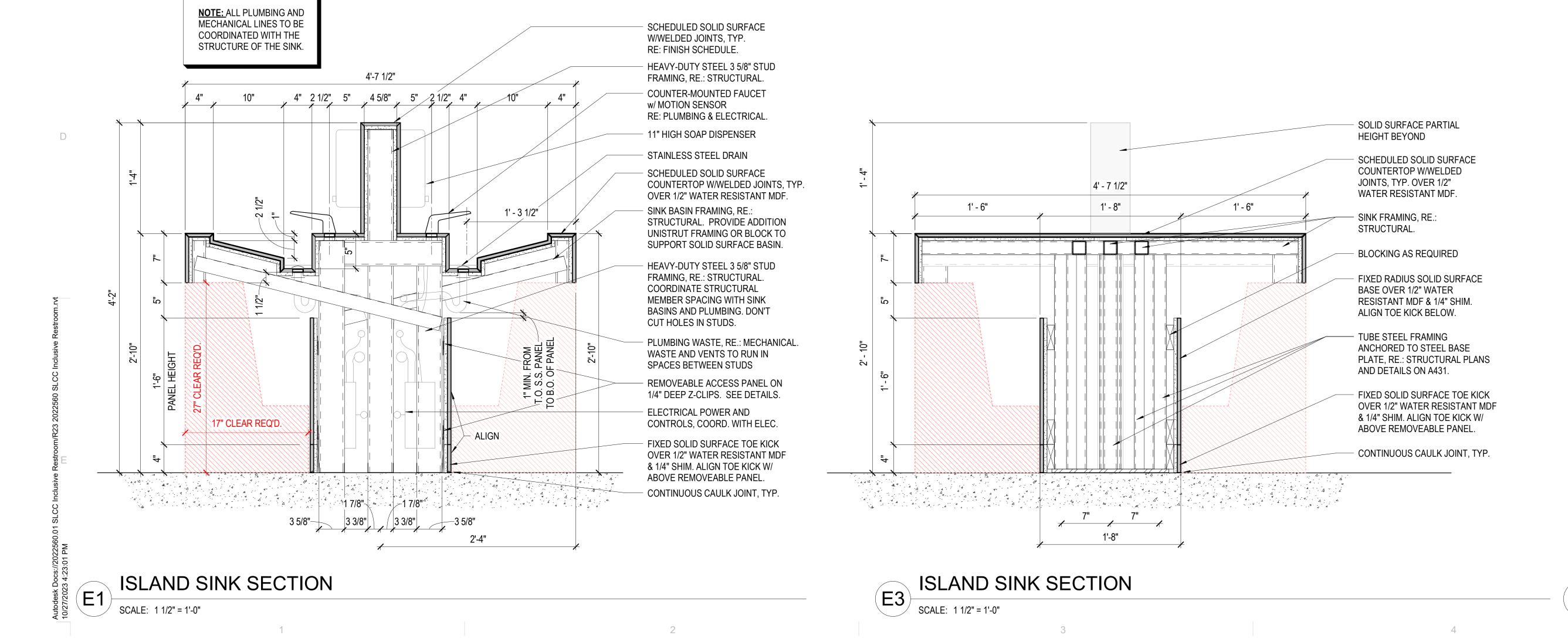
SCALE: 1/4" = 1'-0"

CONTRACTOR PROVIDED TEMPORARY -----CONSTRUCTION WORK BARRIER NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLAN. мнти реојест по. 2022560.01

NEW SEATING AREA METAL PANEL WALL



SCALE: 1/2" = 1'-0"



INTERIOR ELEVATIONS GENERAL NOTES

RE: G500 for Interior Wall Types.

RE: A640 for the Finish Schedule and Legend.

Dimensions shown to walls or casework are to finished face of wall or cabinet, UNO.

Equipment and furniture indicated by dashed lines is a general representation and shown for coordination purposes only.

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Countertops: 25" deep, UNO. Provide backsplashes and sidesplashes where indicated on elevations and casework details.

Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display boards and similar items.

Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

Cabinet Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications. Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.

Accessories: Owner Furnished, Contractor Installed. U.N.O.

KEYNOTES - ELEVATION

- \langle 10 \rangle OWNER-FURNISHED. CONTRACTOR INSTALLED.
- > SLS-4 FLUSH ACCESS PANEL TO PLUMBING W/ FINGER HOLES. 29 1/2"W x 18"H LED COVE LIGHTING FIXTURE. SPEC. PROVIDED BY ELECTRICAL ENGINEER.
- LAM-4 BUILT-IN BENCH
- SLS-4 SINK MIDDLE RADIUS 10 1/2"
- ELECTRONIC CARD READER
- WALL REMOVED SEE DEMO. PLAN. PAINT TO MATCH EXISTING
- STEP N WASH, CENTER ON SINK FAUCET. INSTALL TO ALIGN HINGE/BRACKET WITH EDGE OF COUNTER. (19) AWP-2 NEED OWNERS APPROVAL/SHOP DRAWINGS. LARGER PANELS ARE
- PREFERRED FOR THE STRAIGHT AND CURVED WALLS
- (20) NEW ENTRANCE DOOR MATCH EXISTING FINISHES (DOOR FRAME AND
- 21) PWP-1 FINISH HEIGHT 8'(AFF TO CEILING). FINISH WIDTH 2'. 2" OFF THE GROUND.
- (22) OPEN ACCESS TO PLUMBING
- (24) CONTRACTOR PROVIDED. CONTRACTOR INSTALLED. S ENHANCED REACH LAV. & SOAP DISPENSER. COORD. WIELEC

ARCHITECTS MHTN Architects, Inc. 280 South 400 West

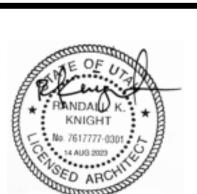
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MHTN PROJECT	NO.2022560.01

T.O. PARTIAL WALL

SLOPE TO DRAIN

120'-5 3/4"

DRAIN RIDGE

BASIN EDGE

DRAIN RIDGE

120'-10" BASIN EDGE

- EDGE OF ISLAND SINK

- EDGE OF SINK BASIN

Original drawing is 30 x 42. Do not scale contents of this drawing. REVISIONS CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.△ DATE DESCRIPTION 1 28 SEPT 2023 RESPONSE TO REVIEW COMMENTS

BID SET 27 OCTOBER 2023

INTERIOR SECTIONS - ISLAND SINK

A413

SINK DRAIN DETAIL SCALE: 1 1/2" = 1'-0"

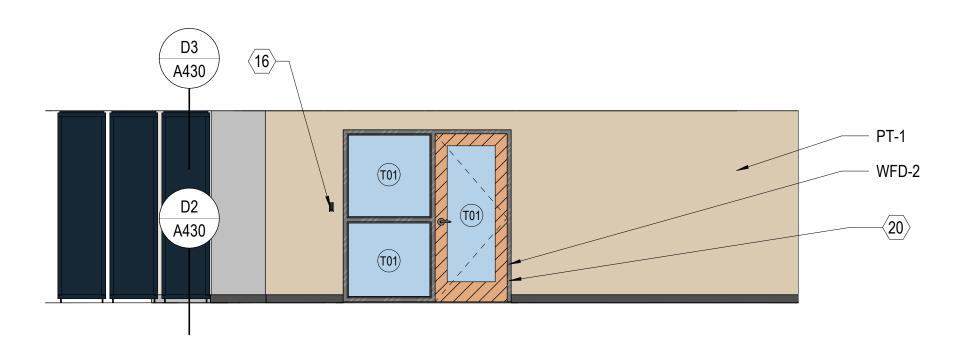
120'-5 3/4" \ RIDGE

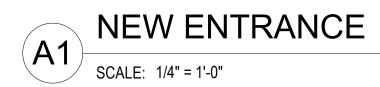
120'-5 3/4" RIDGE

120'-5" VALLEY

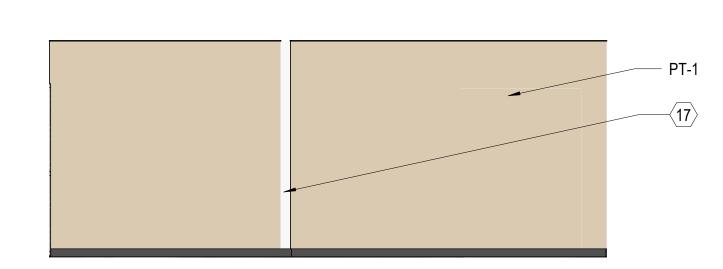
120'-5" VALLEY

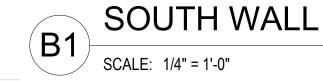
120'-10" T.O. COUNTER













INTERIOR ELEVATIONS GENERAL NOTES

RE: G500 for Interior Wall Types.

RE: A640 for the Finish Schedule and Legend.

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Mechanical, electrical, plumbing and telecom rough-in locations are shown for general coordination purposes only. Refer to mechanical, electrical, plumbing and telecom drawings.

Countertops: 25" deep, UNO. Provide backsplashes and sidesplashes where indicated on elevations and casework details.

Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display boards and similar items.

Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

Cabinet Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications. Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.

Accessories: Owner Furnished, Contractor Installed. U.N.O.

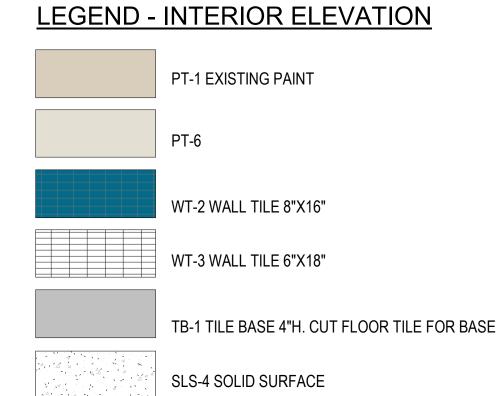
KEYNOTES - ELEVATION

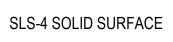
- (10) OWNER-FURNISHED. CONTRACTOR INSTALLED.
- 11 SLS-4 FLUSH ACCESS PANEL TO PLUMBING W/ FINGER HOLES. 29 1/2"W x 18"H
- 12 LED COVE LIGHTING FIXTURE. SPEC. PROVIDED BY ELECTRICAL ENGINEER.
- 3 LAM-4 BUILT-IN BENCH

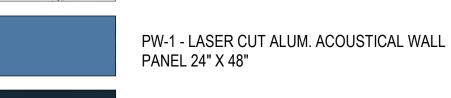
PATCH AND REPAIR ACOUSTIC CEILING GRID AND TILES AS

REQUIRED

- 5 SLS-4 SINK MIDDLE RADIUS 10 1/2"
- ELECTRONIC CARD READER
- WALL REMOVED SEE DEMO. PLAN. PAINT TO MATCH EXISTING (18) STEP N WASH, CENTER ON SINK FAUCET. INSTALL TO ALIGN HINGE/BRACKET WITH EDGE OF COUNTER.
- (19) AWP-2 NEED OWNERS APPROVAL/SHOP DRAWINGS. LARGER PANELS ARE
- PREFERRED FOR THE STRAIGHT AND CURVED WALLS
- 20 NEW ENTRANCE DOOR MATCH EXISTING FINISHES (DOOR FRAME AND
- 21 PWP-1 FINISH HEIGHT 8'(AFF TO CEILING). FINISH WIDTH 2'. 2" OFF THE GROUND.
- 22 OPEN ACCESS TO PLUMBING
- (23) COORD. WITH PLUMING AND ELECTRICAL
- $\overline{\langle 24 \rangle}$ Contractor Provided. Contractor Installed. 25 ENHANCED REACH LAV. & SOAP DISPENSER. COORD. W/ELEC.







PWP-1 - FRAMED PARTITIONS W/ LASER CUT ALUM.



ARCHITECTS

MHTN Architects, Inc.

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LAST REVISION DATE. NO.△ DATE DESCRIPTION

27 OCTOBER 2023

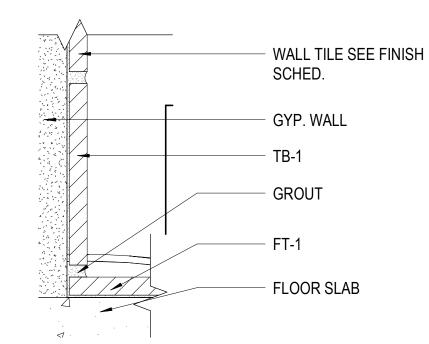
SHEET NAME INTERIOR **ELEVATIONS -NEW ENTRANCE**

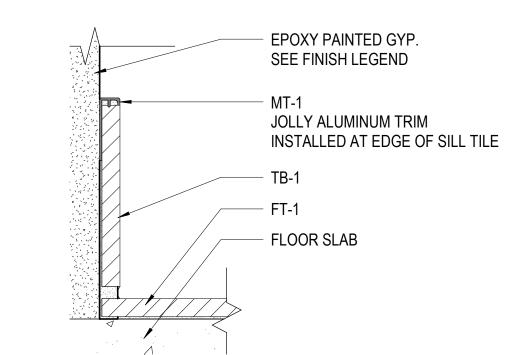
- GROUT

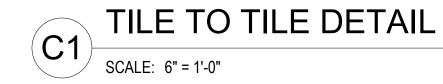
FLOOR SLAB

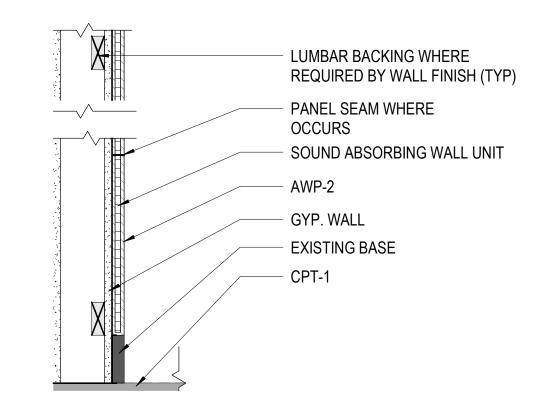
TILE TO CARPET TRANSITION

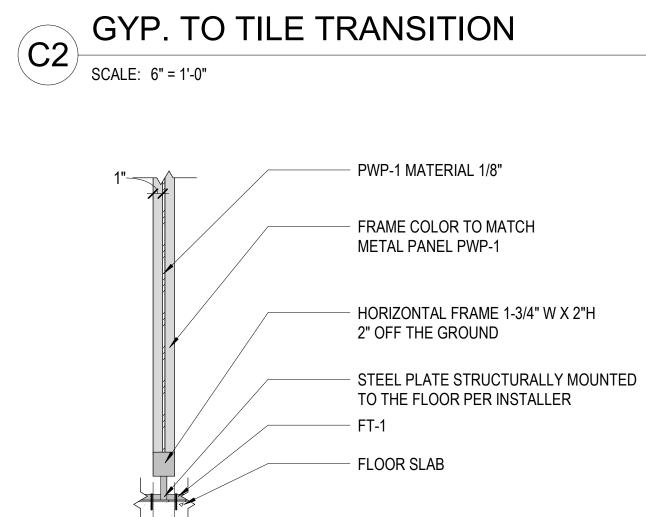
B1 TILE TO SCALE: 12" = 1'-0"

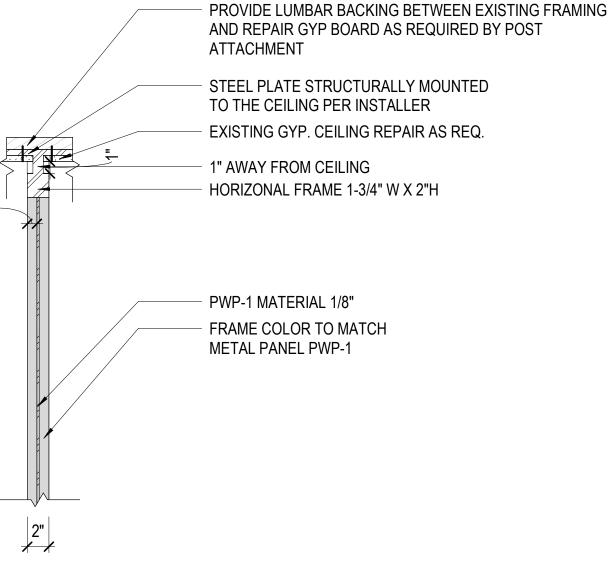


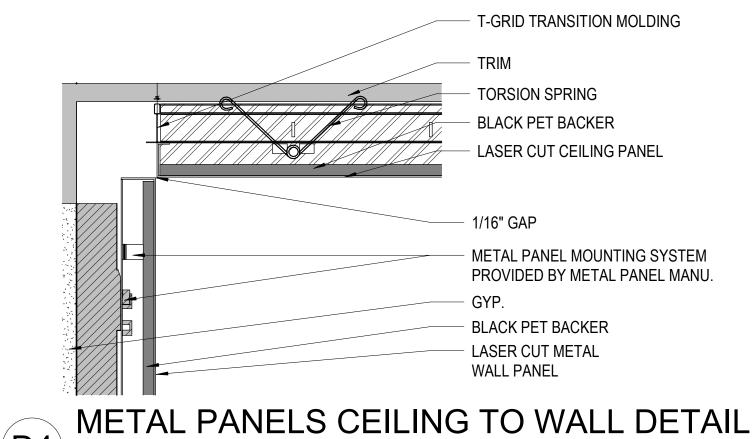












- SLS-4 SINK COUNTER

- EPOXY PAINT SEE FINISH LEGEND

MT-2 TRIM TO PROTECT EDGE
 OF TILE

SEE FINISH LEGEND FOR GROUT

SEE FINISH LEGEND FOR TILE

FABRIC WRAPPED PANEL

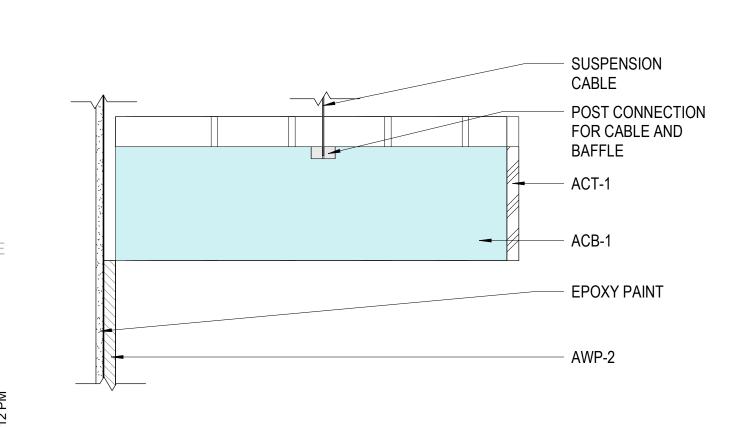
SCALE: 1 1/2" = 1'-0"

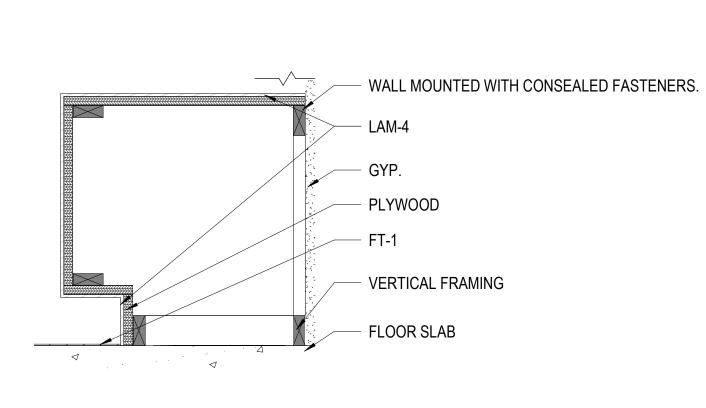


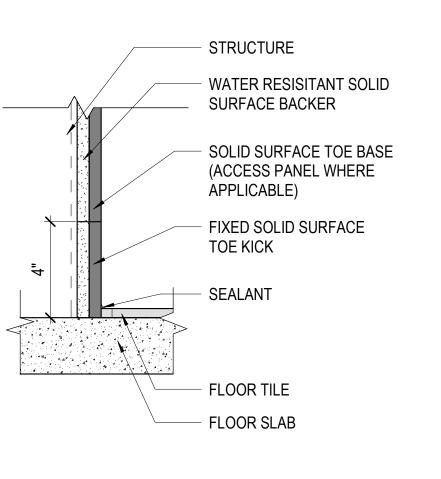
SCALE: 1 1/2" = 1'-0"

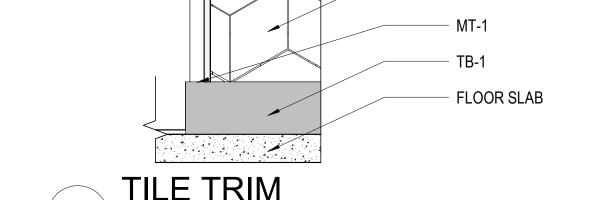












BAFFEL /TRIM DETAIL

RESTROOM BENCH DETAIL

SCALE: 1 1/2" = 1'-0"

SINK BASE DETAIL SINK BA

SCALE: 3" = 1'-0"

TILE TRIM

SCALE: 1 1/2" = 1'-0"

ARCHITECTS MHTN Architects, Inc. 280 South 400 West Salt Lake City, Utah 84101 Telephone (801) 595-6700 www.mhtn.com



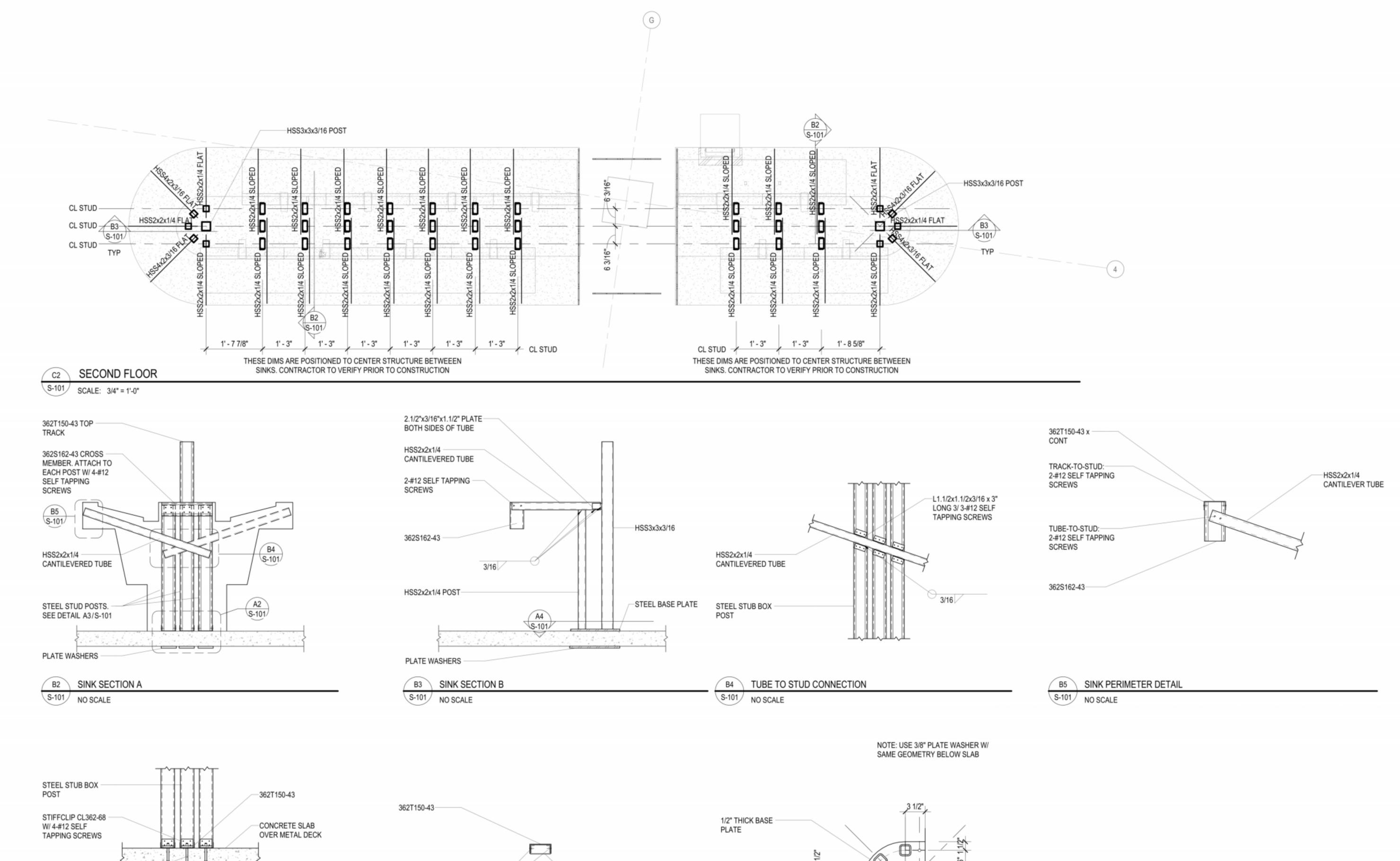
X H

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MHTN PF	ROJECT NO. 20	22560.01
	100201 NO. 20	22000.01
Original de	rowing in 20 v 42	Do not scale contents of this drawing.
Original di	awing is 30 x 42.	Do not scale contents of this drawling.
REVISIO		
		TY DRAWINGS IN FIELD USE REFLECT
LAST RE	VISION DATE.	
NO.	DATE	DESCRIPTION

INTERIOR DETAILS



---362S162-43

1/2"Ø ANCHOR -BOLT, TYPICAL

S-101 NO SCALE

A4 BASE PLATE DETAIL

3/16

#12 SELF TAPPING SCREWS @ 9" O.C.

A3 STUD POST DETAIL

S-101 NO SCALE

1/2" Ø THREADED -ROD ANCHOR

3"x1/2"x9" PLATE WASHER. WASHER SHALL SPAN ACROSS 2 DECK FLUTES MIN

S-101 NO SCALE

SALT LAKE COMMUNITY COLLEGINCLUSIVE RESTROOM ADDITION

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MHTN PROJECT NO. 2022560.01

Original drawing is 30 x 42. Do not scale contents of this drawing.

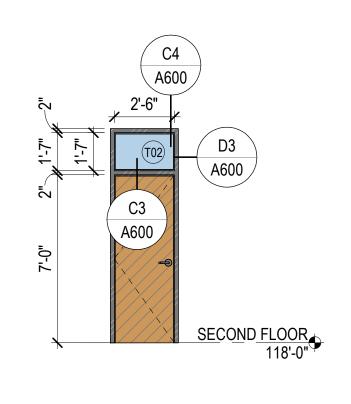
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

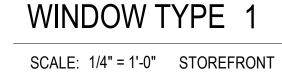
NO. △ DATE DESCRIPTION

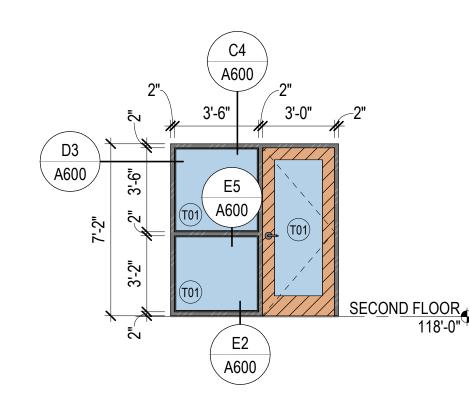
BID SET
27 OCTOBER 2023

SINK ISLAND FRAMING DETAILS

	GLAZING SCHEDULE
T01	6mm (1/4") CLEAR TEMPERED FLOAT GLASS
T02	12mm (1/2") T02 - OBSCURE/FROSTED LAMINATED (SOUND ATTENUATING) FLOAT GLAS

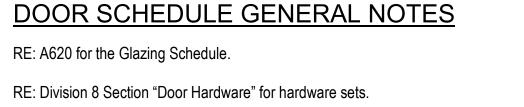






WINDOW TYPE 2

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



RE: Division 8 Section "Door Hardware" for hardware sets.

Door Leaves: At each door, provide the number of leaves shown on the plans. Where two leaves are shown, provide equal leaves, UNO.

Abbreviations: Door and Frame Schedule Remarks abbreviations:

ADA ADA Actuator

CR Card Reader Delayed Egress Electric Latch

ES Electric Strike MO Motor Operation MHO Magnetic Hold Open

Doors must swing in the direction of egress travel and panic hardware is required on doors whe the occupant load exceeds 50. (See IBC 1008.1.2, NEC 110.26 (C0(2)(3)



COMMU

ARCHITECTS

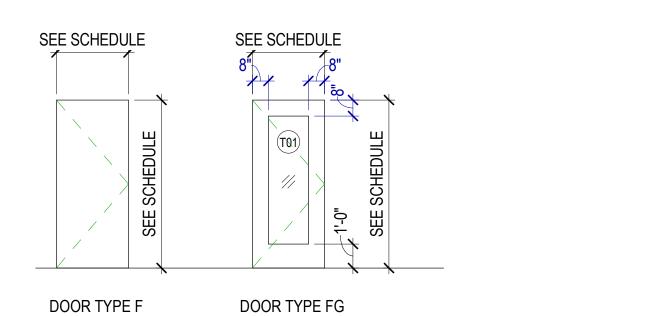
280 South 400 West

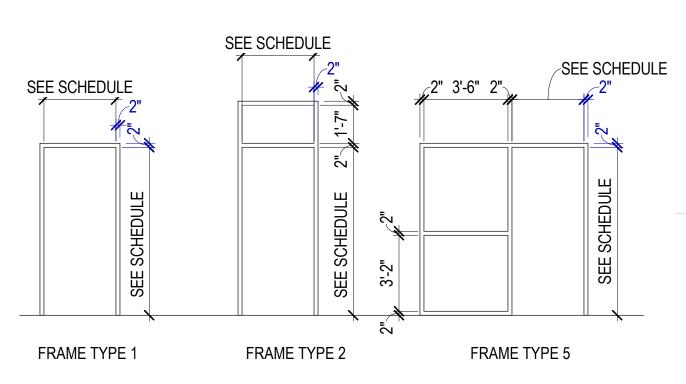
Salt Lake City, Utah 84101 Telephone (801) 595-6700

Suite 250

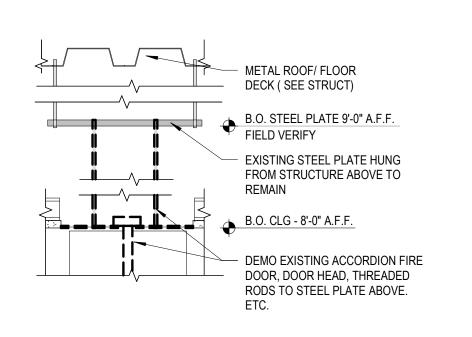
www.mhtn.com

MHTN Architects, Inc.

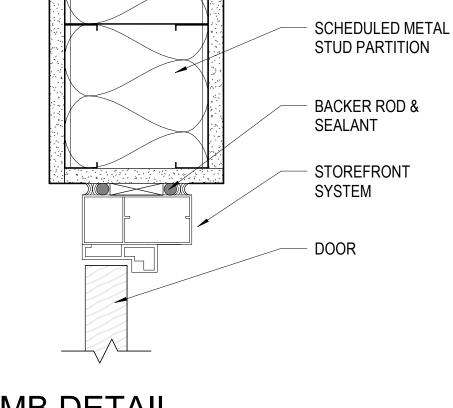




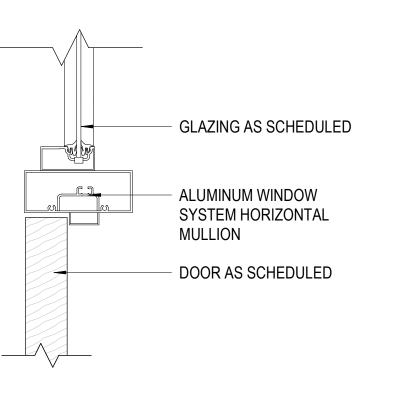
DOOR & FRAME TYPES



FIRE DOOR DEMO DETAIL

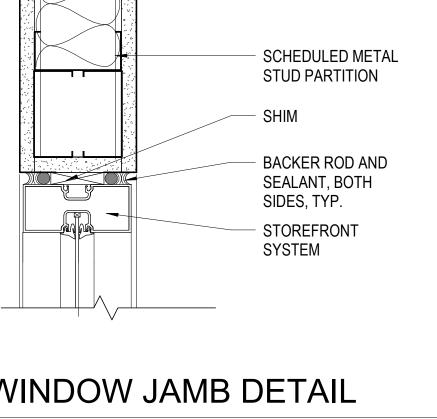


JAMB DETAIL



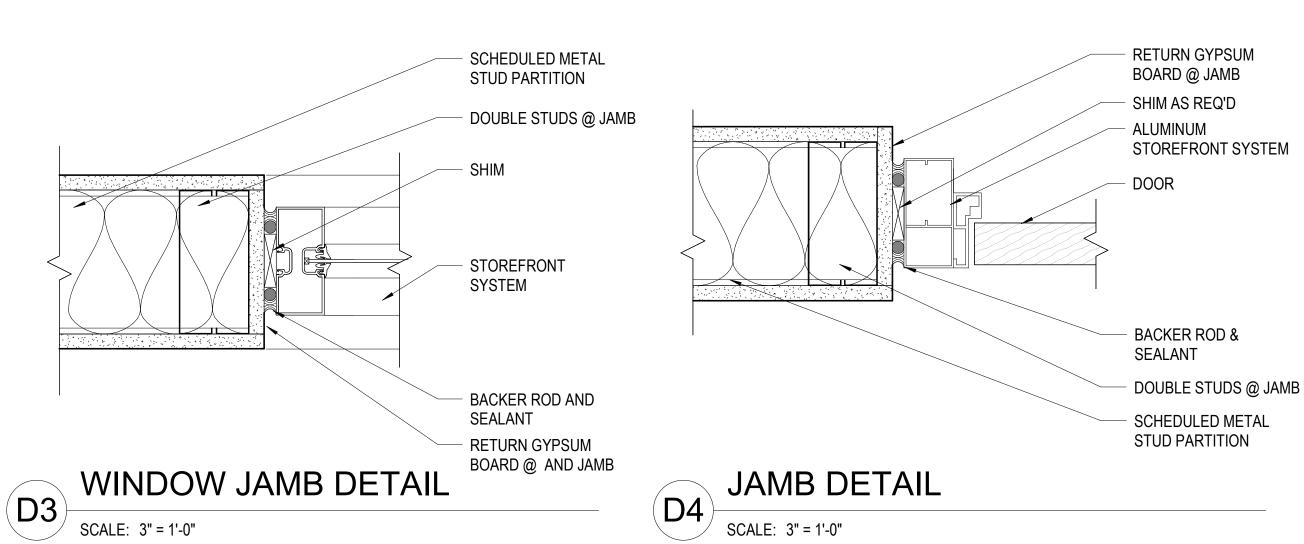
DOOR HEAD DETAIL

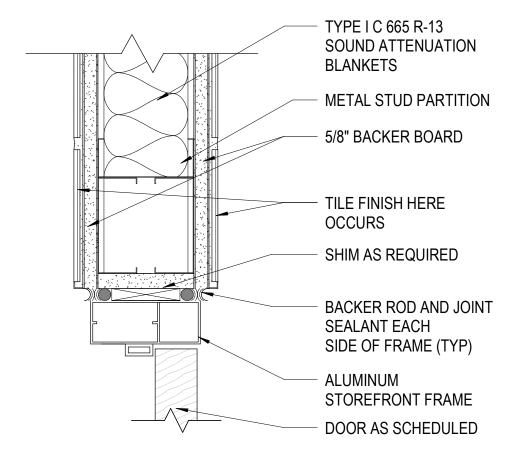
SCALE: 3" = 1'-0"



WINDOW JAMB DETAIL

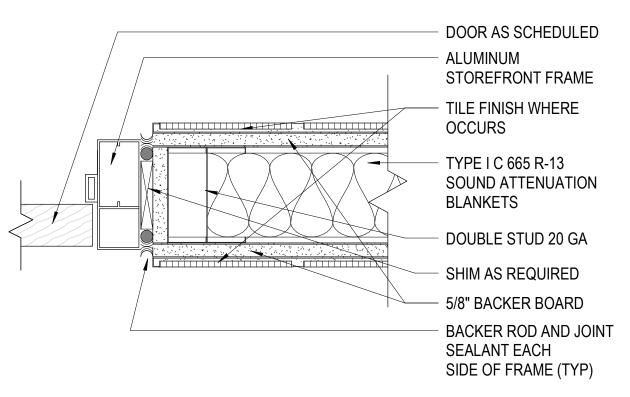
SCALE: 3" = 1'-0"





DOOR HEAD DETAIL

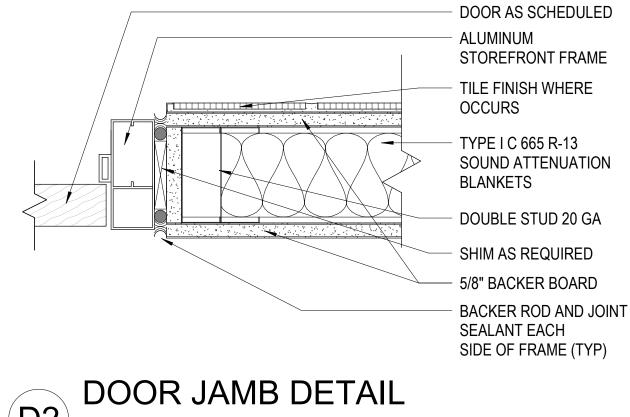
SCALE: 3" = 1'-0"



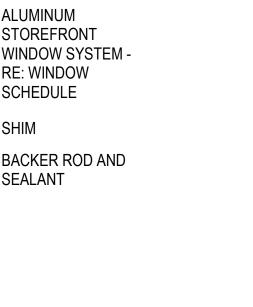
DOOR JAMB DETAIL

SCALE: 3" = 1'-0"

SCALE: 1 1/2" = 1'-0"

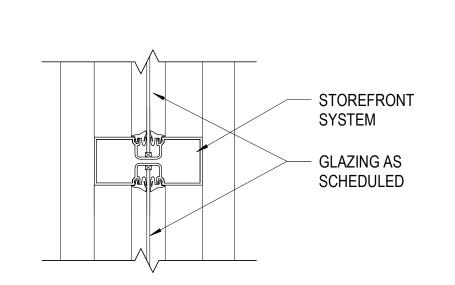


SCALE: 3" = 1'-0"



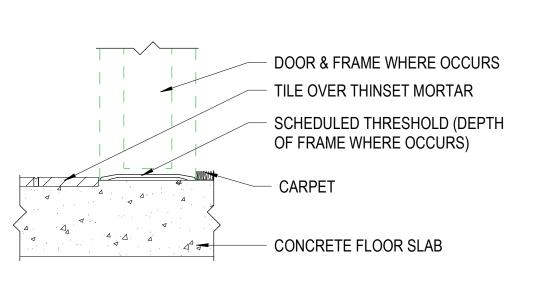
- DOOR & FRAME WHERE OCCURS RESILIENT TRANSITION CONCRETE FLOOR SLAB WARKELY WARREN TO THE TOTAL OF THE TOTAL OF

DOOR & FRAME WHERE OCCURS - RESILIENT TRANSITION STATIC DISSIPATIVE FLOORING WHITE I LANDING HE WANTE I LANDING I LANDING TO AND THE STATE OF THE S - CONCRETE FLOOR SLAB



MULLION DETAIL

SCALE: 3" = 1'-0"



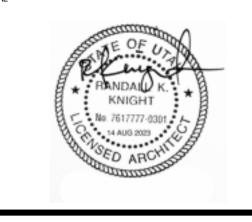
STOREFRONT WINDOW SYSTEM -RE: WINDOW SCHEDULE BACKER ROD AND SEALANT 4 2 4 4

SILL DETAIL





SCALE: 3" = 1'-0"



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мнти реојест по. 2022560.01

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REVISIONS CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE. NO.△ DATE DESCRIPTION
1 28 SEPT 2023 RESPONSE TO REVIEW COMMENTS

BID SET 27 OCTOBER 2023

DOOR SCHEDULE, WINDOW TYPES & **DETAILS**

Paint- to match college

Sheen:

Manufacturer:

Thickness:

Installation:

Thickness

Installation:

Collection:

Thickness:

Installation:

Collection:

Thickness:

Installation:

Product Name:

Grout Thickness:

Manufacturer:

Pattern:

Panel Size:

Thickness:

Manufacturer:

Panel Size:

Thickness:

Sustainability:

Manufacturer:

Installation:

Manufacturer:

Content:

Other:

Manufacturer:

LAM-4 | HPL decorative | Pattern application direction: | Vertical

Manufacturer:

Installation:

Manufacturer:

Mounting:

Grout Color:

Grout Manufacturer: TBD

Grout Thickness: 1/8"

Grout Manufacturer: Mapei

Manufacturer:

Manufacturer:

Manufacturer: Collection:

BASIS OF DESIGN SPECIFICATIONS

Per specifications for substrate

architect prior to purchase

SW7626

TileBar

Division Blue Ceramic 7.87"x15.74"

10mm Matte

DALTILE

White Ceramic 6"x18"

White

8.5mm

Blue

8.5mm

Ероху

Match blue tile

Kerapoxy CQ

White 100

Porcelain

9.48"x5.49"

Porcelain

9.48"x5.49"

See elevation

Crossville Studios

WOW Flow Diamond

See elevation(random)

Xorel, Sleet embroider, 6299-809

Refer to manufacturers website

Refer to manufacturers website

Vapor/Cumula/ Onyx backer

Match Arktura Azure

24"wx96"h (1/8" Thick)

Bright White color coated

Monticello Maple 7925-38

Fine Velvet Texture

Install at all edges of tiles. Where Tile is

Hanex by Hyundai L&C USA Level 2 - In restrooms

Oyster Pearl ST-301 Level 2 - In restroic cummunial sink

Per. Manufacturer

100% Xorel® (85% Biobased PE, 15% PE)

Vertical orientation/ Vertika channel system

Skyline panel, post w/ frame around panel

Width vaies x 46"long

Adhesive and pins

Sleet Embroider

Carnegie

6299-809

48"w x 75"h

Arktura

Azure

24"x48"

Schluter Jolly-P

Aluminum Vertical

BASIS OF DESIGN SPECIFICATIONS

Aluminum

Horizontal stacked

Color wheel linear

Horizontal stacked

Crossville Studios WOW Flow Diamond

Per specifications for substrate

Softer tan by Paint West, to match, confirm

with WT-2.

with WT-3.

specifications

specifications

Alternate manufacturers noted in

Alternate manufacturers noted in

Level 2 - Wall mounted Wrapped

Alternate manufacturers noted in

Level 2 - Wall mounted Wrapped

Alternate manufacturers noted in

Level 2 - New lounge seating area wall

Alternate manufacturers noted in

Alternate manufacturers noted in

Level 2 -Typical in restroom

Alternate manufacturers noted in

Level 2 - Restroom entry

specifications

NOTES/LOCATION

Level 2 -Bench Seating

noted in specifications

noted in specifications

Inside inclusive restrooms Alternate manufacturers

panels outside restroom

panels outside restroom

specifications

specifications

Level 2 - Inside inclusive restrooms goes

CALL OUT DESCRIPTION

standard

Wall Tile

Wall Tile

Wall Tile

AWP-2 Acoustical wrapped panels Mounting:

Perforated wall panels

Laser cut panel

partitions

MT-2 Metal tile trim

CASEWORK FINISHES

CALL OUT DESCRIPTION

SLS-4 Solid surface Note:

GRT-2 Grout

GRT-3 Grout

AWP-2 Upholstery

WT-3 Wall Tile

	CEILING F	FINISHES							
NOTES/LOCATION	CALL OUT	DESCRIPTION			BASIS OF DE	ESIGN SPECIFICATIONS	NOTES/LO	CATION	
				Manufacturer:					
				Style/Color:		NRC lay-in & Tegular/Sandstone(TSS)			
				Sheen:	Semi-gloss			nter opening	
Typical existing, Latex paint Outside restroom				NRC:	0.85			sive restrooms	
Outside restroom				Edge detail:	Tegular		——————————————————————————————————————	3140 10361001113	
Level 2 -Typical				Size:	23-3/4"×47-3/4			anufacturers note	ed in
epoxy paint, Inside/outside inclusive	ACT-1	Sound absorbin	ig ceiling panel	Grid:		stem w/ high humidity finish	specificatio	ns	
restroom.				Manufacturer:					
				Style/Color:		/Azure/ Backer Onyx			
				NRC:	0.85			nter opening	
				Edge detail:	Tegular		inside inclus	sive restrooms	
				Size:	24"x48"		Alternate m	anufacturers note	ed in
	ACP-2	Laser cut acous	tical ceiling panel	Grid:	Torsion ceiling	system	specificatio		
Level 2 - Accent In stalls				Manufacturer:	J2 Systems				
				Style/color:	Rectangular ba	affle/Midnight Blue 16			
Alternate manufacturers noted in specifications				NRC:	up to 0.75				
specifications				Edge detail:	Square		Level 2 -Ou	tside restrooms v	v/ trim
				Size:	12"h 1/2" thick,	(length varies)	Altornator	ianufacturers note	ad in
	ACB-1	Acoustical ceilir	ng baffles	Grid:	Suspended		specificatio		3G 111
				Manufacturer:					-
				Style/color:	436				
Level 2 - In stalls				NRC:	up to 0.75				
				Edge detail:	Square		Level 2 -Ou	tside restrooms v	v/ trim
Alternate manufacturers noted in				Size:	12"h 1/2" thick,	(longth varies)			
specifications	ABT-1	Acoustical baffl	as trim	Grid:	Suspended	(length varies)	Alternate m	anufacturers note	ed in
	ADT-I	Acoustical parti	es tiiii	Grid.			specificatio	115	
				Туре:	Armstrong - Ul	Itima			
				Sheen:	Satin	THE STATE OF THE S	Level 2 - Ty	nical	
Level 2 - Accent central	GB-1	Painted gypsun	n board ceiling	Color:	White			sive restrooms, ep	ooxy paint
wall at sinks	<u> </u>							, 5	
with coordinating white epoxy grout				Туре:	Armstrong - Ul	Itima			
Alternate manufacturers noted in				Sheen:	Existing	Territoria de la companya della companya della companya de la companya della comp	Level 2 - Ty	uni na l	
specifications	GB-2	Painted gypsun	n hoard ceiling	Color:	Existing		,	usive restrooms,	latex paint
	02 2	Transca gypsan	1 2 2 4 1 2 2 111 19	001011			Catalae IIIe	100110110011001110,	acox panie
	FLOOR FI	NISHES					DOOR & T	TRANSOM FINISH	ES
Level 2 - Accent central									
wall at sinks									
with coordinating blue epoxy grout	CALL OUT	DESCRIPTION	BASIS OF	DESIGN SPECIF	ICATIONS	NOTES/LOCATION	CALL OUT	DESCRIPTION	BASIS OF I
Alternate manufacturers noted in		T				Level 2 - Field			
specifications			Manufacturer:	Milliken		Outside inclusive restroom			Manufacturer
			Style:		ıdy - Distressed	and where old restrooms are			Style:
			Color:	DIS152-106	Ripple	being taken out.			Color:
			Size:	50cm x 50	cm (19.7"x19.7")	Alternate manufacturers			Finish:
Level 2 - Inside inclusive restrooms goes	CPT-1	Carpet Tile	Installation patter	n: Ashlar		noted in specifications			Content:
	1					I	1	i i	1

CALL OUT	DESCRIPTION	BASIS OF DE	SIGN SPECIFICATIONS	NOTES/LOCATION	
				Level 2 - Field	
		Manufacturer:	Milliken	Outside inclusive restroom	
		Style:	Surface study - Distressed	and where old restrooms are	
		Color:	DIS152-106 Ripple	being taken out.	
		Size:	50cm x 50cm (19.7"x19.7")	Alternate manufacturers	
CPT-1	Carpet Tile	Installation pattern:	Ashlar	noted in specifications	
		Manufacturer:	Indicated		
		Manufacturer.		-	
			Reactive silicate hardener /densifier and dustproofer		
		Style:	sealer	Level 2 - Existing	
	C I I	Color:	EXISTING	Chases	
	Sealed Concrete	Size:	EXISTING	Alternate manufacturers	
SC-1	Flooring	Installation pattern:	EXISTING	noted in specifications	
			'	·	
		Manufacturer:	Concept surfaces		
		Style:	Serenity		
		Color:	Moln		
		Size:	18"x36" (thickness 3/8")		
		Finish:	Matte		
		Material Type:	Porcelain	Level 2 - Typical	
		Edge:	Rectified	Inside inclusive restrooms	
		D.C.O.F	≥.69	Alternate manufacturers	
FT-1	Floor Tile	Installation pattern:	Grid horizontal	noted in specifications	
	1				
		Grout Manufacturer:	Mapei		
		Product Name:	Kerapoxy CQ	Level 2 - Inside inclusive	
		Type:	Epoxy grout	restrooms goes with FT-1 and TB-1	
		Grout Color:	282	Alternate manufacturers	
GRT-1	Grout	Grout Gap:	1/8"	noted in specifications	
		Manufacturan	Forbo		
		Manufacturer:		-	
		Style:	colorex SD	-	
		Color:	TBD	-	
		Size:	24.4"x24.4"	-	
		Installation pattern:	0.00"	\dashv	
	Static	Thickness	0.08"	-	
CDT 1	Dissipative	Ncs	S 0500-N	Level 2 -In IT room only	
SDT-1	Tile	LRV	81%	where the new additions is	
		Manus factures	Calabetas		
		Manufacturer:	Schluter	-	
		Style:	Jolly-P	\perp	

BASE FINISHES

CALL OUT	DESCRIPTION	BASIS OF D	ESIGN SPECIFICATIONS	NOTES/LOCATION
		Manufacturer:	Existing	
		Style:	Existing	
		Color:	Existing	
		Size:	Existing	
		Finish:	Existing	
		Material Type:	Existing	
		Edge:	Existing	
		D.C.O.F	Existing	Existing either wood or resilient base
		Manufacturer:	Concept surfaces	
		Style:	Serenity	
		Color:	Moln	
		Size:	4"H X36"W	Level 2 - Typical
		Finish:	Matte	Inside inclusive restrooms
		Material Type:	Porcelain	
		Edge:	Rectified	Alternate manufacturers noted in
TB-1	Tile Base	D.C.O.F	≥.69	specifications

Bright White color coated

Install at all exposed grout

where there is no tile above | noted in specifications

Aluminum

Horizontal

Content:

Metal tile trim Other:

Installation:

CALL OUT	DESCRIPTION	BASIS OF DI	ESIGN SPECIFICATIONS	NOTES/LOCATION
		N4s surfaceture m	TDD	
		Manufacturer:	TBD	
		Style:	TBD	
		Color:	Black	
		Finish:	Satin	
		Content:	TBD	
		Installation:	TBD	
		Size:	TBD	
WDH-1	Door Hardware	Other:	Lock with privacy indicator	Level 2 - Inside restroom
		Manufacturer:	Oshkosh	
		Style:	Sliced Red Oak	
		Color:	Clear(500)	Level 2 - Inside
		Content:	TBD	restroom
		Installation:	TBD	Use the new existing
		Size:	TBD	door spec. from
WD-1	Wood Door	Other:		SLCC
		Manufacturer:	TBD	
		Style:	TBD	
		Color:	Black	
		Finish:	Satin	
		Content:	Aluminum	
		Installation:	TBD	
		Size:	TBD	Level 2 - Inside
WDF-1	Door frame	Other:		restroom
		Manufacturer:	TBD	
		Style:	TBD	
		Color:	match existing	
		Finish:	match existing	
		Content:	Aluminum	
		Installation:	TBD	
	Storefont door	Size:	TBD	_ _ International student
WDF-2	& frame	Other:		center
		T., -	I	
		Manufacturer:	TBD	
		Style:	Frosted	
		Color:	White	
		Content:	Glass	
		Installation:	With door frame	
		Size:	2'-5"W X 1'-6"H	Level 2 - Inside
TW-1	Transom window	Other:		restroom

		Manufacturer:	TBD	
		Style:	Touchless faucet	
		Color:	Polished Chrome	
		Content:	TBD	
		Installation:	Deck mount	
		Size:	TBD	
FX-1	Sink Faucets	Other:	Touchless 1.5 GPM min.	Level 2 - Inside restroom
		'		
		Manufacturer:	TBD	
		Style:	Framed	
		Color:	Black	
		Content:	Stainless steel frame	
		Installation:	Surface mounted	Level 2 - Inside stalls
		Size:	24"Hx36"w	Level 2 - Iliside stalls
MIR-1	Mirror	Other:		Theaft/tamper proof
		Manufacturer:	TRD	

BASIS OF DESIGN SPECIFICATIONS

FIXTURES & FINISHES

CALL OUT DESCRIPTION

		ii istaliatioi i.	Surface mounted	Level 2 - Inside stalls
		Size:	24"Hx36"w	Level 2 - Iliside Stalls
MIR-1	Mirror	Other:		Theaft/tamper proof
		Manufacturer:	TBD	
		Style:	Framed	
		Color:	Black	
		Content:	Stainless steel frame	
		Installation:	Surface mounted	Level 2 - Outside stalls
		Size:	24"WX48"H	Level 2 - Outside Stalls
MIR-2	Mirror	Other:		Theft/tamper proof
		Manufacturer:	TBD	
		Style:	Touchless faucet	
		Color:	White	
		Content:	Vitreous China	
		Installation:	Wall hung	
	Free standing	Size:	TBD	
LAV-1	Lavatory	Other:	ADA	Level 2 - ADA stall
		Manufacturer:	TBD	

		Color:	Polished chrome valve/White bowl	
		Content:	Vitreous China	
		Installation:	Floor mounted	
		Size:	TBD	
TF-1	Toilet fixture	Other:	ADA, flush valve 1.28 GPFmin.	Level 2 - Stalls
		Manufacturer:	Koala Kare	
		Style:	KB-310-SSWM	
		Color:	Stainless Steel	
		Content:		
		Installation:	Wall mounted (Horizontal)	
	Diaper	Size:	43 3/4"Wx28 5/8"H	
DCS-1	changing station	Other:		Level 2 - ADA stall
		Manufacturer:	Step 'n wash	
		Style:	SNW-SS 975B	
		Color:	Stainless steel	
		Content:		
		Installation:	Secured to floor directly under lav.	

Touchless sensor toilet flush valve

		Manufacturer:	Bradley Corp.	
		Style:	Standard	
		Color:	Satin finish	
		Content:	Stainless Steel	In ADA stall
		Installation:	Consealed mounting	Alternate manufacturers
3B-1	Grab Bars	Other:	ADA Approved	noted in specifications
	·			
		Manufacturer:	Bradley Corp.	
		Style:	Standard	
		Color:	Satin finish	
		Content:	Stainless Steel	In ambulatory stall
		Installation:	Consealed mounting	Alternate manufacturers
3B-2	Grab Bars	Other:	ADA Approved	noted in specifications
		N4	Due eller Cerus	

14"wx16"Dx12-19"H

Automatic retraction of step

GB-2	Grab Bars	Other:	ADA Approved	noted in specifications
		Manufacturer:	Bradley Corp.	
		Style:	Diplomat series 4A10-11	
		Color:	Satin finish	
		Content:	Stainless Steel	In stalls
	Sani Napkin	Installation:	Surface mounted	Alternate manufacture
SND-1	Disposal	Other:	ADA(barrier free edge)	noted in specifications

FINISH SCHEDULE

RM#	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL F	EAST WALL FIN	SOUTH WALL F	WEST WALL FIR	CEILING FINISH	CABINET FINIS	COUNTER TOP	REMARKS	RM#
200C	SINK	FT-1	SSB-1	PT-6, WT-4, WT-5	PT-6, WT-4, WT-5	PT-6, WT-4, WT-5	PT-6, WT-4, WT-5	GB-1, ACT-1	SLS-4	SLS-4	Refer to elevations	200C
200L	LOUNGE / SEATING	CPT-1	EXISTING	PT-6, PW-1				GB-1, ACP-2			Existing carpet and base	200L
200K	EXISTING	CPT-1	EXISTING		PT-6, PWP-1, AWP-2	PT-6, AWP-2	PT-1, PWP-1, PT-6	GB-1, ACB-1			Existing carpet and base, UWC-1, refer to elevations	200K
230	RESTROOM	FT-1	TB-1	PT-6, MT-2	PT-6, MT-2,WT-3	PT-6, MT-2	PT-6, MT-2,WT-3	GB-1, ACT-1	LAM-4	SLS-4	W/ ceiling access panel, refer to elevations	230
230A	STALL	FT-1	TB-1	WT-2	WT-3	PT-6	WT-3	GB-1			W/ ceiling access panel	230A
230B	STALL	FT-1	TB-1	WT-2	WT-3	PT-6	WT-3	GB-1			W/ ceiling access panel	230B
230C	STALL	FT-1	TB-1	WT-2	WT-3	PT-6	WT-3	GB-1			W/ ceiling access panel	230C
230D	STALL	FT-1	TB-1	WT-2	WT-3	PT-6	WT-3	GB-1			W/ ceiling access panel	230D
230E	STALL	FT-1	TB-1	WT-2	WT-3	PT-6	WT-3	GB-1			W/ ceiling access panel	230E
230F	STALL	FT-1	TB-1	WT-2	WT-3	PT-6	WT-3	GB-1			W/ ceiling access panel	230F
230G	STALL	FT-1	TB-1	WT-2	WT-3	PT-6	WT-3	GB-1			W/ ceiling access panel	230G
230H	CHASE	CON-1	TB-1	PT-6	PT-6	PT-6	PT-6				Ceiling open to structure	230H
230J	ADA STALL	FT-1	TB-1	WT-3	WT-3	WT-2	WT-3	GB-1		SLS-4	W/ ceiling access panel	230J
230K	ADA STALL											230K
230L	AMB. STALL	FT-1	TB-1	PT-6	WT-3	WT-2	WT-3	GB-1			W/ ceiling access panel	230L
230M	STALL	FT-1	TB-1	PT-6	WT-3	WT-2	WT-3	GB-1			W/ ceiling access panel	230M
230N	STALL	FT-1	TB-1	PT-6	WT-3	WT-2	WT-3	GB-1			W/ ceiling access panel	230N
230P	STALL	FT-1	TB-1	PT-6	WT-3	WT-2	WT-3	GB-1			W/ ceiling access panel	230P
230Q	STALL	FT-1	TB-1	PT-6	WT-3	WT-2	WT-3	GB-1			W/ ceiling access panel	230Q
230R	STALL	FT-1	TB-1	PT-6	WT-3	WT-2	WT-3	GB-1			W/ ceiling access panel	230R
230S	STALL	FT-1	TB-1	PT-6	WT-3	WT-2	WT-3	GB-1			W/ ceiling access panel	230S
230T	CHASE	CON-1	TB-1	PT-6	PT-6	PT-6	PT-6				Ceiling open to structure	230T
230T	STALL	FT-1	TB-1	PT-6	WT-3	WT-2	WT-3	GB-1			W/ ceiling access panel	230T
232	EXISTING	EXISTING	EXISTING	PT-1 EXISTING	PT-1 EXISTING	PT-1 EXISTING	PT-1 EXISTING	EXISTING			Storefront foor front match existing	232
236A	EXISTING	EXISTING	EXISTING	PT-1 EXISTING	PT-1 EXISTING	PT-1 EXISTING	PT-1 EXISTING	EXISTING				236A
236P	EXISTING	EXISTING	EXISTING	PT-1 EXISTING	EXISTINGPT-1 EXISTING	PT-1 EXISTING	PT-1 EXISTING	EXISTING				236P
0000	EVICTING	EVIOTINO	EVIOTINO	DT 4 EVICTING	DT 4 EVICTING	DT 4 EVICTING	DT 4 EVICTING	CVICTING				2200



NOTES/LOCATION

ARCHITECTS MHTN Architects, Inc. 280 South 400 West Suite 250 Salt Lake City, Utah 84101 Telephone (801) 595-6700 www.mhtn.com



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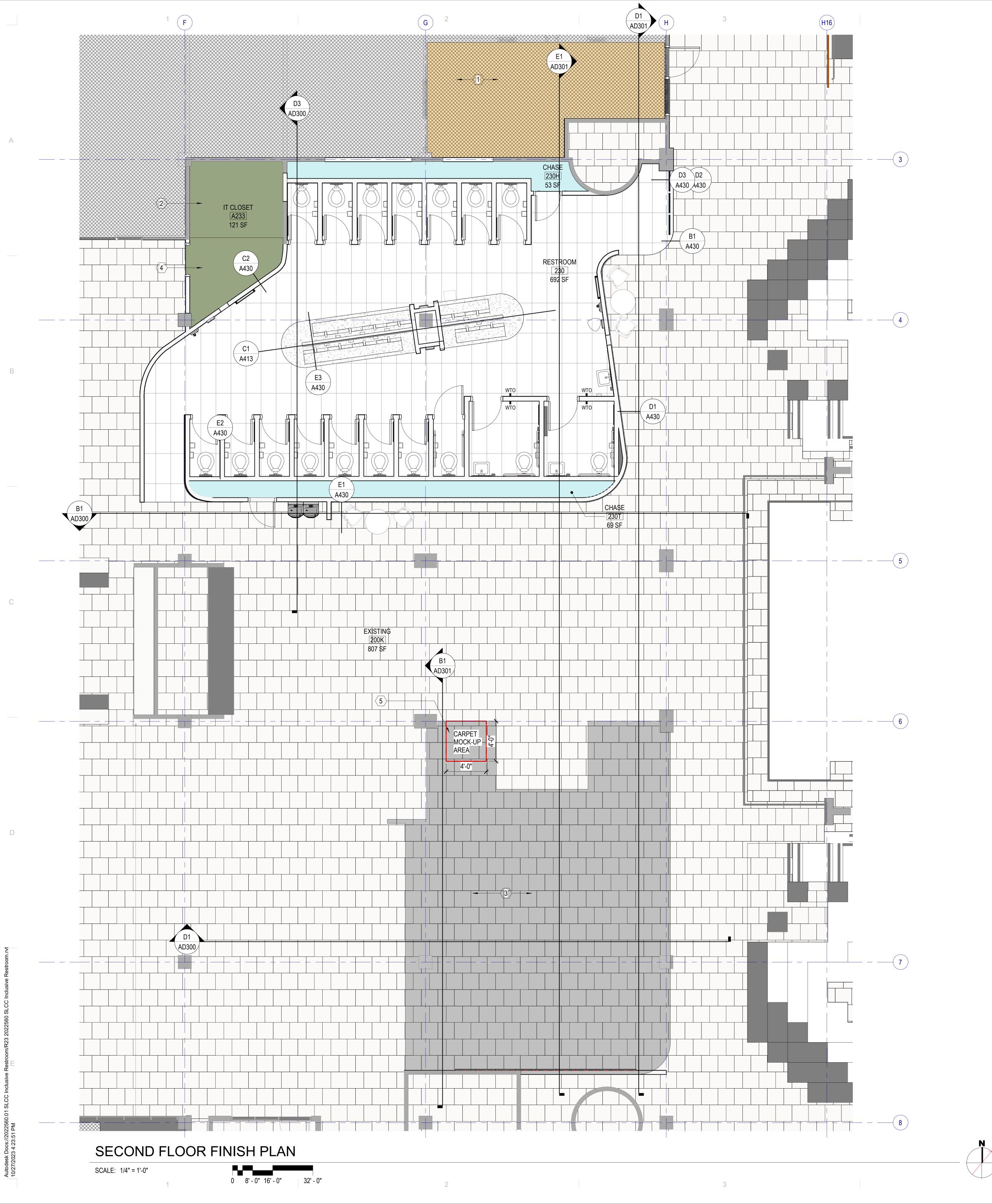
FINISH SCHEDULE -INCLUSIVE RESTROOM

Level 2 -Typical in restroom

Alternate manufacturers

236Q EXISTING EXISTING PT-1 EXISTING PT-1 EXISTING PT-1 EXISTING PT-1 EXISTING PT-1 EXISTING 251 EXISTING EXISTING PT-1 EXISTING PT-1 EXISTING PT-1 EXISTING PT-1 EXISTING

236Q 251



PATTERN PLAN GENERAL NOTES

RE: A640 for the Finish Schedule

RE: A420 for typical floor finish transition details

RE: Structural drawings for recessed slabs.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Floor Drains: Coordinate location of floor drains with Plumbing drawings.

KEYNOTE - FLOOR PATTERN PLANS

- SCHEDULED FLOORING, SEE A640. USE EXISTING CARPET IF POSSIBLE OR REPLACE WITH CPT-1. OWNER APPROVAL REQUIRED.
- 2 SCHEDULED FLOORING, SEE A640. USE EXISTING STATIC DISSIPATIVE IF POSSIBLE OR REPLACE WITH SDT-1. OWNER APPROVAL REQUIRED.
- 3 SCHEDULED FLOORING OVER NEW SELF-LEVELING CONCRETE OR SIMILAR. SEE A640.
- 4 EXISTING TO REMAIN
- 5 4'X4' CARPET MOCK-UP AREA

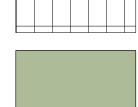
LEGEND - FLOOR PATTERN

18"x36"

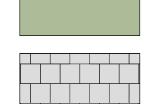
CPT-1 CARPET TILE - LEVEL 2, FIELD



SC-1 SEALED CONCRETE - LEVEL 2



SDT-1 STATIC DISSIPATIVE TILE LEVEL 2, FIELD



REMOVE EXISTING FLOORING AND REPLACE WITH CPT-1



KEEP EXISTING FLOORING WHERE POSSIBLE

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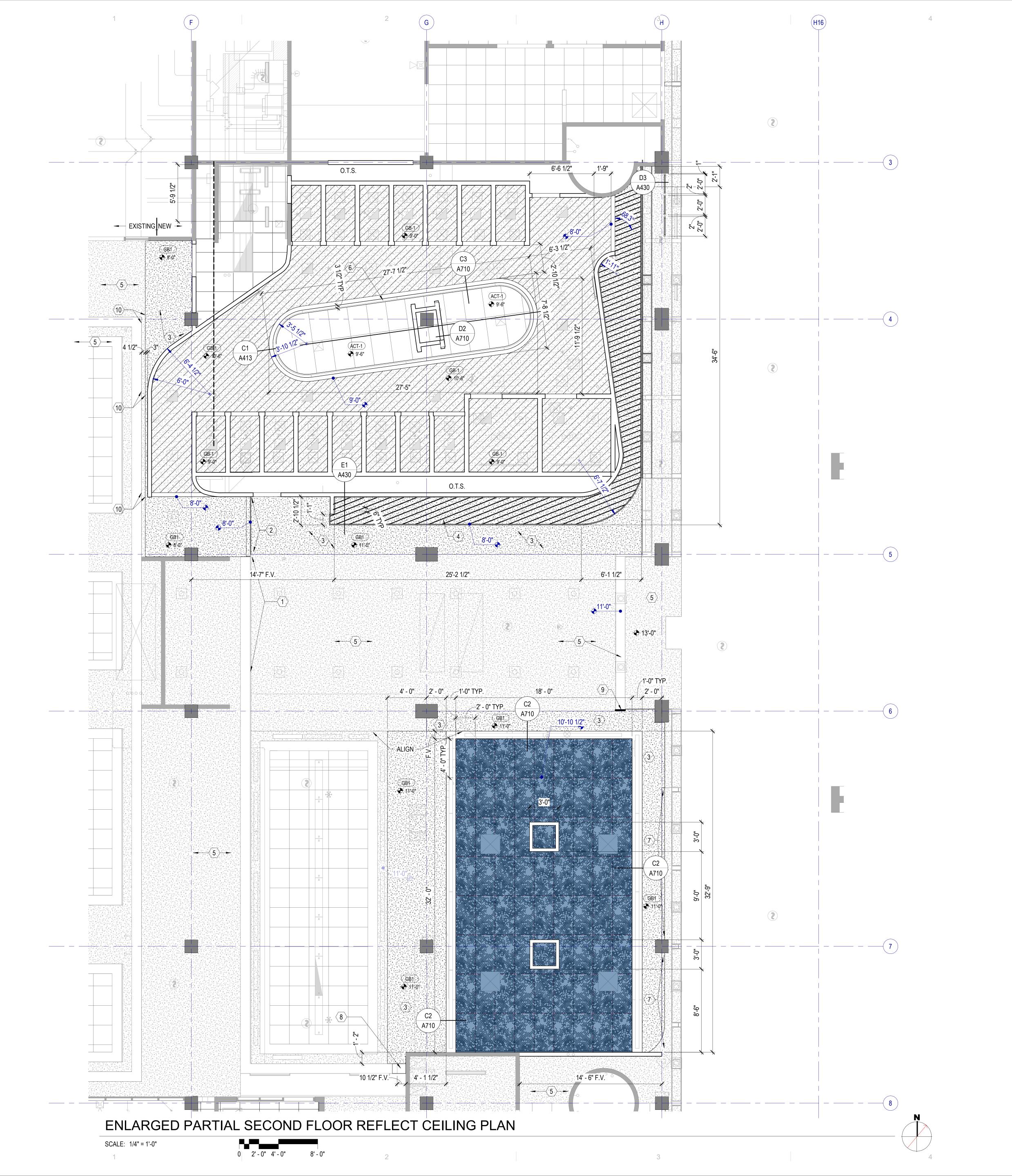
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SECOND FLOOR PATTERN PLAN

A652

KEY PLAN
SECOND FLOOR PLAN

- AREA OF WORK



REFLECTED CEILING PLAN GENERAL NOTES

RE: A710 for typical suspended ceiling details, including seismic bracing.

Ceiling Height: 9'-0" UNO. Where floor height varies in a room, ceiling height is shown at the entry to the room, UNO.

Ceiling Grid/Panel Alignment: The design intent of the Reflected Ceiling Plans is center ceiling grids or acoustical panels between walls in both directions, or to center grids in one direction, panels in the other. If the grid does not comply with the design intent, then coordinate with Architect to adjust the ceiling layout prior to installation.

Seismic Design Category: D: Heavy-duty suspension system required / Refer to Structural / Refer tc

and other penetrations. Seismic Control Joints: Provide seismic control joints in suspended acoustical ceilings greater than

Seismic Bracing: Rigid bracing required at ceilings over 1,000 SF and at all ceilings with fire sprinklers

Control Joints: Provide control joints in gypsum board ceilings at 30'-0" max spacing. Coordinate

locations with Architect to align joints with other elements in the ceilings or on the walls.

Exposed Elements: Paint exposed structure, pipe, conduit and HVAC duct at open ceilings and at

Walls to Deck: Extend all walls to deck, including all components of the wall assembly, UNO.

Fire Sprinklers: Center sprinkler heads in acoustical panels; run in straight lines in orthogonal, rectangular spaces.

Electrical, Mechanical and other Devices: Center in acoustical panels. Coordinate feature lighting layout with Architect prior to rough-in.

Keynotes: Not all keynotes apply to this sheet.

KEYNOTES - CEILINGS

CEILINGS

CEILINGS

NEW GYPSUM BD CEILING

ACOUSTIC BAFFLES @ 8'-0" A.F.F. EXISTING CEILING TO REMAIN

open areas around ceiling clouds. Color: As selected by Architect.

COVE LIGHTING. COORDINATE SIZE AND REQUIREMENTS WITH ELECTRICAL.

WHERE EXISTING WALL WAS REMOVED, INFILL WITH NEW GYPSUM

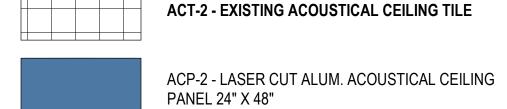
WHERE SOFFIT AND OAK TRIM WAS REMOVED, PROVIDE NEW SOFFIT AND TRIM TO CLOSE GAP.

PROVIDE NEW OAK TRIM AT END OF SOFFIT AFTER DEMO OF EXISTING RESTROOM WALL

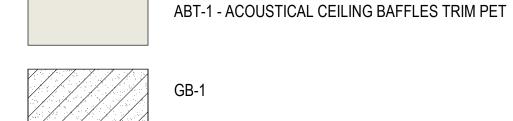
10 IF CONSTRUCTIBILITY IS BETTER, REMOVE EXISTING CEILING UP TO

LEGEND - REFLECTED CEILING PLANS

ACT-1 - ACOUSTICAL CEILING TILE 24-3/4"X 47-3/4"









OTS OPEN TO STRUCTURE OTSP OPEN TO STRUCTURE - PAINTED

MECHANICAL DIFFUSERS SEE MECHANICAL



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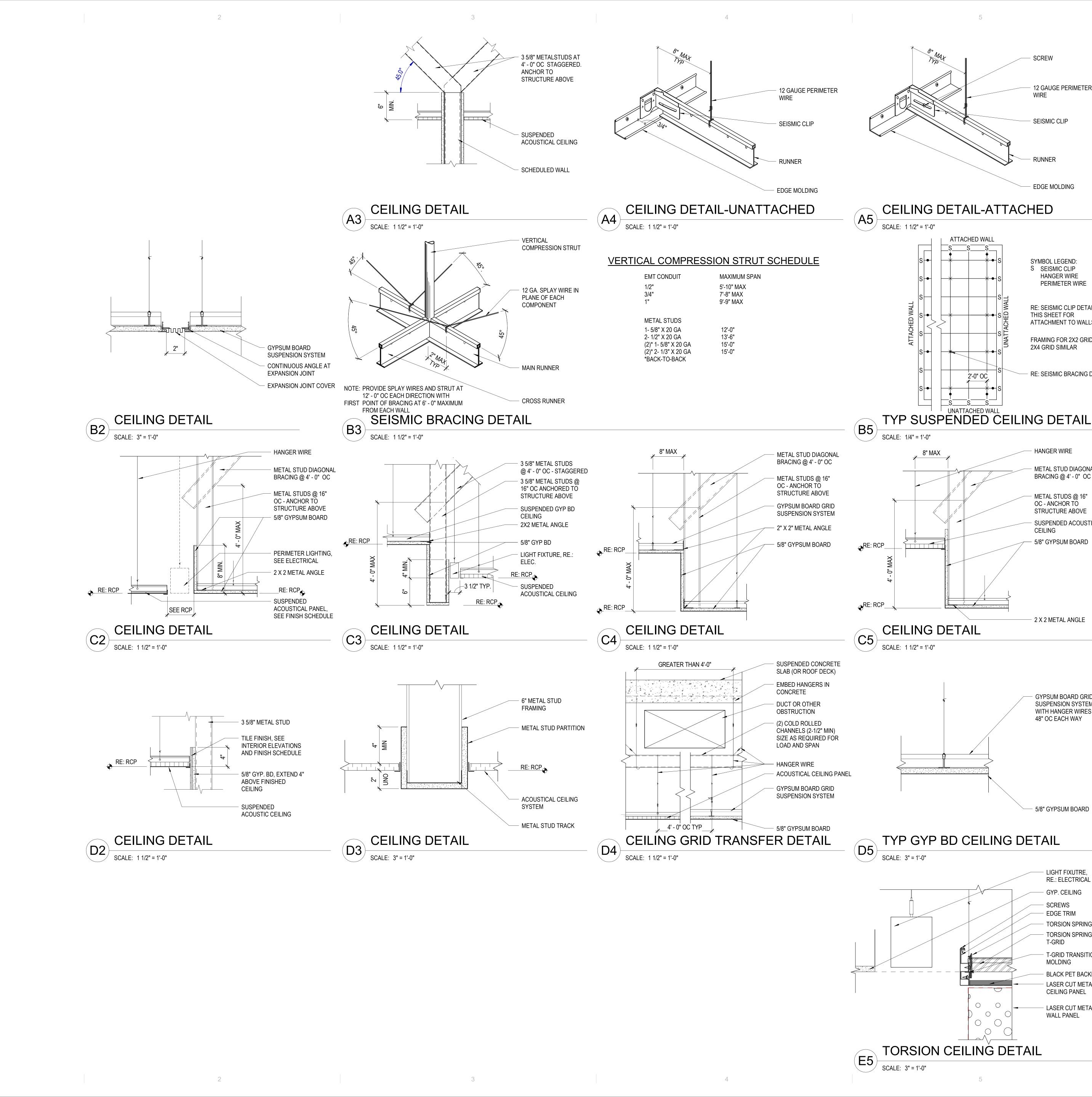
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SECOND FLOOR REFLECTED **CEILING PLAN**

A702

KEY PLAN
SECOND FLOOR PLAN

- AREA OF WORK



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12 GAUGE PERIMETER WIRE

SEISMIC CLIP

RUNNER

EDGE MOLDING

SYMBOL LEGEND: S SEISMIC CLIP HANGER WIRE

THIS SHEET FOR

2X4 GRID SIMILAR

HANGER WIRE

- METAL STUD DIAGONAL BRACING @ 4' - 0" OC

METAL STUDS @ 16" OC - ANCHOR TO

STRUCTURE ABOVE

5/8" GYPSUM BOARD

2 X 2 METAL ANGLE

GYPSUM BOARD GRID

SUSPENSION SYSTEM

48" OC EACH WAY

- 5/8" GYPSUM BOARD

 LIGHT FIXUTRE, RE.: ELECTRICAL

- GYP. CEILING

TORSION SPRING

TORSION SPRING

BLACK PET BACKER

- LASER CUT METAL CEILING PANEL

- LASER CUT METAL WALL PANEL

SCREWS - EDGE TRIM

MOLDING

WITH HANGER WIRES AT

CEILING

SUSPENDED ACOUSTICAL

PERIMETER WIRE

RE: SEISMIC CLIP DETAILS

ATTACHMENT TO WALLS

FRAMING FOR 2X2 GRID;

- RE: SEISMIC BRACING DETAIL

OMMC S **USIVE**

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CEILING DETAILS

SIGNAGE GENERAL NOTES

Mounting Heights: Comply with ADA Standards and ANSI A117.1 for mounting heights and clearances at signs

Signage is Owner Furnish, Owner Installed.





Type A6 – STANDARD Unisex Restroom Sign 8"x6"



- . 8"x6" frame. Satin Silver brushed aluminum finish.
- 2. 6"x6" acrylic panel Romark Ultra-Mattes Reverse Engravable #3X2-581.
- 3. 2"x6" acrylic panel Romark Ultra-Mattes Reverse Engravable #3X2-221.
- 4. ADA compliant tactile symbol, letters, numbers, and braille:
 - a. Black ADA compliant raised symbols.
 - b. Black ADA compliant raised letter and number characters.
 - c. Black grade 2 braille. Centered. Braille height .25".
 - d. Font Style: Helvetica LT Pro-Roman .75" tall, all caps.
- Use heavy duty double sided mounting tape to adhere the acrylic panels within the sign frame. All centered within the frame and flush to each other.
- Mounting sign onto glass requires heavy duty double sided mounting tape.
 Provide a black rear cover plate on the room side of the glass, to hide the back of the sign. Install backplate flush with the Masonite board of the frame.
- Installation into drywall, mortar, stucco, or materials other than glass, requires two screws and anchors. Sized appropriately. Bevel two evenly spaced holes into the frame to allow screws to sit flush within the frame when tightened.

SLCC STANDARD SIGN

I USIVE RESTROOM ADDITION

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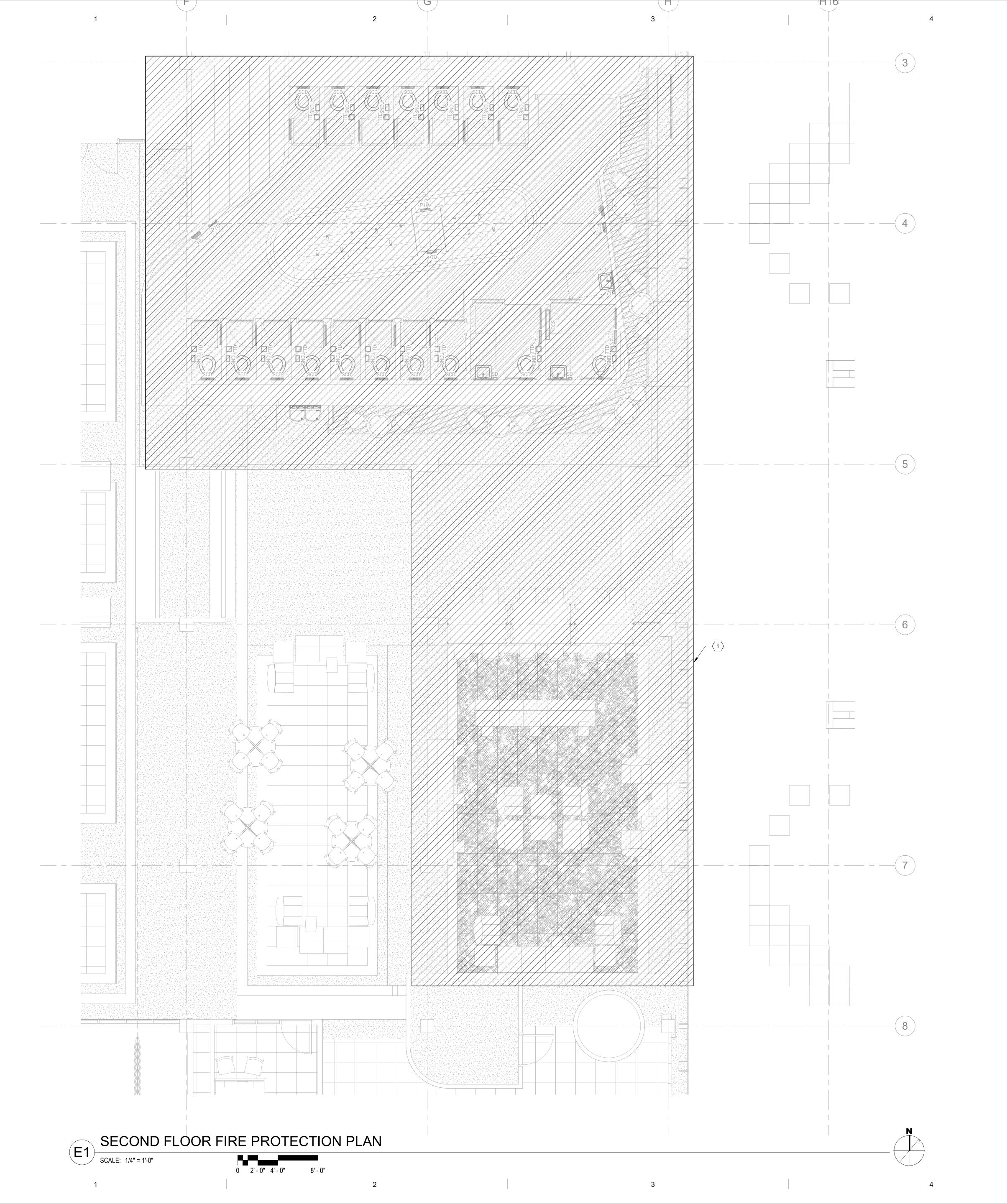


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SIGNAGE



GENERAL SHEET NOTES

THE DESIGN SHALL MEET THE REQUIREMENTS OF NFPA 13, DFCM, LOCAL ORDINANCES, THE OWNER, AND AHJ. WORK SHOWN ON DRAWINGS IS CONCEPTUAL AND CONTRACTOR SHALL REVIEW ENTIRE BID SET OF DRAWINGS TO UNDERSTAND THE COMPLEX SCOPE OF THIS

THESE DOCUMENTS ARE FOR SUBMITTAL REVIEW AND COORDINATION AND MAY BE USED BY THE CONTRACTOR AS A DESIGN BASIS FOR INSTALLATION DRAWINGS. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE INSTALLATION DRAWINGS FOR FINAL REVIEW AND APPROVAL PRIOR TO INSTALLATION.

CONTRACTOR IS RESPONSIBLE FOR FINAL INSTALLATION DESIGN, INCLUDINGHYDRAULIC CALCULATIONS, AND SHALL BE COORDINATED PRIOR TO FABRICATION. DESIGNER SHALL BE A MINIMUM NICET LEVEL III TECHNICIAN OR LICENSED FIRE PROTECTION ENGINEER AND SHALL OVERSEE THE INSTALLATION OF EQUIPMENT. MAJOR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR, ARCHITECT, AND ENGINEER OF RECORD FOR

THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE FIRE ALARM CONTRACTOR AND OTHER TRADES FOR PROVISION OF CONNECTIONS BETWEEN THEIR RESPECTIVE SYSTEMS.

MONITORING OF THE FIRE SPRINKLER SYSTEM SHALL BE PROVIDED BY THE FIRE ALARM

ALL MATERIALS UNLESS OTHERWISE ALLOWED BY CODE OR AHJ. ARE TO BE UL LISTED OR FM APPROVED FOR USE IN FIRE PROTECTION SYSTEMS

PIPING, FITTINGS, HANGARS, BRACING, ETC. SHALL MEET THE REQUIREMENTS OF NFPA 13 2016.

HANGERS AND SEISMIC BRACING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 AND ASCE 7-05. ALL SEISMIC BRACING IS REQUIRED TO BE STAMPED AND SIGNED BY A LICENSED STRUCTURAL OR FIRE PROTECTION ENGINEER AND SUBMITTED FOR REVIEW. HANGER TYPES SHALL BE SHOWN ON SHOP DRAWINGS WITH LOCATIONS INDICATED. SEISMIC BRACING SHALL BE SHOWN ON SHOP DRAWINGS WITH LOCATIONS AND AREA-OF-INFLUENCE.

PROVIDE ACCESS DOORS AND SIGNAGE WHERE ACCESS IS REQUIRED TO CONCEALED SPRINKLER EQUIPMENT, VALVES, AND CONTROLS. LOCATIONS TO BE APPROVED BY ARCHITECT.

0 PROVIDE TESTING IN ACCORDANCE WITH NFPA 13.

APPLICABLE CODES:

- A 2021 IBC.
- B 2021 IFC.
- C 2016 NFPA 13.
- D LOCAL ORDINANCES.

○ SHEET KEYNOTES

CONTRACTOR TO AUGMENT LAYOUT OF FIRE PROTECTION SPRINKLERS WITHIN AREA.

KEY PLAN SECOND FLOOR PLAN

AREA OF WORK



ARCHITECTS

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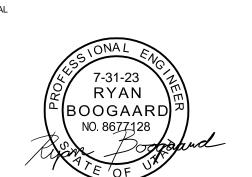
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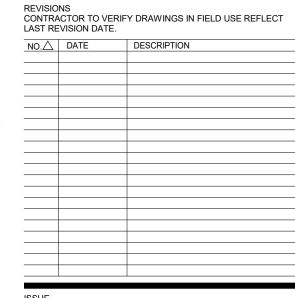




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E SECOND FLOOR FP PLAN -INCLUSIVE RESTROOM

FX102

	SYMBOL LEGEND	
SYMBOL	DESCRIPTION	SYMBOL
VALVE	S, METERS, AND GAUGES	DUCT V
\bowtie	SHUT OFF VALVE	SINGLE LINI
$\overline{\mathbb{A}}$	GATE VALVE	
	CHECK VALVE	
风	AUTO 2-WAY VALVE	
\mathbb{Z}	AUTO 3-WAY VALVE	
	GLOBE VALVE	
Ф	BALL VALVE	7
表	RELIEF VALVE	
- 闵	CHAIN OPERATED GATE VALVE	7
	PRESSURE REDUCING VALVE	
	BUTTERFLY VALVE	
S	SOLENOID VALVE	
	ANGLE VALVE	
	VENTURI	
\otimes	BALANCING OR PLUG COCK	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\boxtimes	FLOW SETTER	
\otimes	EXPANSION VALVE (REFRIG.)	
$\overline{\bigcirc}$	GAS COCK	
∑mav	MANUAL AIR VENT	
-	STRAINER	
01	GAUGE COCK	
	FLEXIBLE CONNECTION	<u> </u>
φ	PRESSURE GAUGE	
Image: control of the	THERMOMETER	
	VICTUALIC COUPLING	
->-	REDUCER CONCENTRIC	
\overline{V}	REDUCER ECCENTRIC	
<u></u>	REFRIGERANT SITE GLASS	
	REFRIGERANT STRAINER	
1	REFRIGERANT FILTER DRIER	
—	90 DEG ELBOW UP	5
	90 DEG ELBOW DOWN	
<u> </u>	90 DEG TEE UP	
	90 DEG TEE DOWN	
1 1	UNION	
	CAPPED PIPE	
	ANCHOR	
	FLOAT AND THERMOSTATIC TRAP	
HVAC :	SYMBOLS	
Ţ	THERMOSTAT	
S	TEMPERATURE SENSOR	
$\overline{\mathbb{H}}$	HUMIDISTAT	
_	<u>.</u>	_ >

SYMBOL DESCRIPTION	/BOL LEGE	
DUCT WORK	··	
SINGLE LINE	DOUBLE LINE	DESCRIPTION
<u> </u>		RECTANGULAR SUPPLY DUCT UP
5		RECTANGULAR SUPPLY DUCT DOWN
<u> </u>		RECTANGULAR RETURI DUCT UP
5		RECTANGULAR RETURI DUCT DOWN
5———		RECTANGULAR EXHAUS DUCT UP
5		RECTANGULAR EXHAUS DUCT DOWN
5————	5 5	ROUND DUCT UP
<u> </u>	()	ROUND DUCT DOWN
⋚ ===₹		ACCOUSTICALLY LINED RECTANGULAR DUCT
5		90° RECTANGULAR ELBOW WITH TURNING VANES
		90° RADIUS ELBOW R=1.5
├		DUCT SIZE OR SHAPE TRANSITION
<u> </u>		OPPOSED BLADE BALANCING DAMPER (O.B.D.) IN RECT DUCT
<u> </u>		BUTTERFLY BALANCING DAMPER IN ROUND DUCTS
<u> </u>		COMBINATION TEE
<u> </u>		SPLITTER DAMPER
5		SQUARE OR RECTANGULAR CEILING DIFFUSER
5		ROUND CEILING DIFFUSER
		SIDEWALL REGISTER SUPPLY OR RETURN
<u></u>		ROUND FLEXIBLE DUCT
		RETURN GRILLE
		EXHAUST GRILLE
<u> </u>		FIRE SMOKE DAMPER
3	\	

FLEXIBLE CONNECTION

 $\overline{}$

PIPING LEGEND NOTE: ALL ABBREVIATIONS MAY NOT BE USED. MPS MEDIUM PRESSURE STEAM —— LPS —— | LOW PRESSURE STEAM —— LPC —— LOW PRESSURE CONDENSATE RETURN PC PUMP DISCHARGE ──TWS ── | TEMPERED WATER SUPPLY —— CHWS —— | CHILLED WATER SUPPLY —— CHWR —— | CHILLED WATER RETURN —— HHWS —— HEATING HOT WATER SUPPLY —— HHWR —— HEATING HOT WATER RETURN RL REFRIGERANT LIQUID RS REFRIGERANT SUPPLY ——CWS—— | CONDENSER WATER SUPPLY CONDENSER WATER RETURN ── D ── | DRAIN LINE ── HG ── │ HOT GAS BYPASS ── GS ── │ GLYCOL SUPPLY ── GR ── | GLYCOL RETURN ——FOS —— | FUEL OIL SUPPLY —— FOV —— | FUEL OIL VENT

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

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 ENGAGED TO PERFORM.

SYMBOL LEGEND

	SYMBOL	DESCRIPTION
SPLITTER DAMPER	00 REFER	ENCE LINES AND SYMBOLS
SQUARE OR RECTANGULAR CEILING DIFFUSER	01 # SHEET	DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
ROUND CEILING DIFFUSER	02 # SHEET	ELEVATION OR SECTION INDICATOR, EXTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
SIDEWALL REGISTER SUPPLY OR RETURN	03 #	ELEVATION OR SECTION INDICATOR, INTERIOR: # INDICATES ELEVATION OR SECTION NUMBER,
ROUND FLEXIBLE DUCT	SHEET	SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	04 100	ROOM / SPACE NUMBER
RETURN GRILLE	05 (1)	KEYNOTE INDICATOR
THE FOR THE STREET	06	REVISION INDICATOR
EXHAUST GRILLE	07	EQUIPMENT INDICATOR
	08	PLUMBING FIXTURE INDICATOR
FIRE SMOKE DAMPER	09 TYPE CFM SIZE	DIFFUSER/GRILLE INDICATOR
FIRE DAMPER	10 TYPE SIZE	DIFFUSER/GRILLE INDICATOR
	11	BREAKLINE
SMOKE DAMPER	12 ~	BREAKLINE
	10/1ATCH LINE SEE XX/X-XXX	MATCHLINE INDICATOR
FLEXIBLE CONNECTION	14	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
. LEXIBLE GOINGEOTION	15	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE
	16	NEW CONNECTION TO EXISTING

POINT OF DEMOLITION

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED. **EXISTING FUTURE** ACCESS DOOR AIR COND AIR CONDITION(-ING,-ED) APD AIR PRESSURE DROP BALANCING DAMPER ВНР BRAKE HORSE POWER BTU BRITISH THERMAL UNIT BTUH BTU/HOUR CFH CUBIC FEET PER HOUR CFM **CUBIC FEET PER MINUTE** COND CONDENS(-ER, -ING, -ATION) CONTROL VALVE DRY BULB TEMPERATURE DCW DOMESTIC COLD WATER DHW DOMESTIC HOT WATER DHWR DOMESTIC HOT WATER RECIRC

DEPTH OR DEEP EXHAUST AIR **ENERGY EFFICIENCY RATIO EFFICIENCY** ELECTRIC **ELEVATION** ENTERING EVAPORAT(-E, -ING, -ED, -OR) ENTERING WATER TEMPERATURE

DP

l EA

EER

EFF

ELEC

ENT

EWT EXT

FPS

FSD

LRA

LVG

LWT

l мвн

PPM

REQD

SCFM

SPEC(S)

STD

TA(S)

TEMP

TOT

VAV

VENT

VERT

WG

WPD

WTR

THERM

TSTAT

SCW

RLA

ELEV

EVAP EXTERNAL FLEXIBLE CONNECT(-OR, -ION) FIRE DAMPER FULL LOAD AMPS FINS PER INCH FEET PER MINUTE FEET PER SECOND FIRE SMOKE DAMPER GREASE EXHAUST GALLONS PER HOUR

GPM GALLONS PER MINUTE HD HEAD MERCURY HORSEPOWER HOUR HEIGHT HTG HEATING HERTZ (FREQUENCY)

INSIDE DIAMETER INCH KILOWATT LEAVING AIR TEMPERATURE LBS POUNDS LG LENGTH LH LATENT HEAT

LOCKED ROTOR AMPS LEAVING LEAVING WATER TEMPERATURE THOUSAND BTU PER HOUR MINIMUM CIRCUIT AMPS

MCA MFR MANUFACTUR(-ER, -ED) NORMALLY CLOSED NOISE CRITERIA NOT IN CONTRACT NORMALLY OPEN NET POSITIVE SUCTION HEAD NOT TO SCALE

OUTSIDE AIR OUTSIDE DIAMETER OUNCE PRESSURE DROP OR DIFFERENCE PROPOLENE GLYCOL PHASE PARTS PER MILLION

PRESS PRESSURE PSF POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PSI ABSOLUTE PSIG PSI GAUGE THERMAL RESISTANCE RETURN AIR RECIRC RECIRCULATE REFR REFRIGERATION

> REQUIRED RATED LOAD AMPS REVOLUTIONS PER MINUTE SUPPLY AIR SHADING COEFFICIENT STANDARD CUBIC FEET PER MINUTE SOFT COLD WATER SAFETY FACTOR SENSIBLE HEAT

SEA LEVEL STATIC PRESSURE SPECIFICATION(S) SQUARE STANDARD STEAM VENT SOIL, WASTE

TRANSFER AIR (RETURN) TRANSFER AIR (SUPPLY) TEMP. DROP OR DIFF. **TEMPERATURE** THERMAL

TOTAL **THERMOSTAT** VOLT VENT VACUUM VARIABLE AIR VOLUME

VELOCITY TEMPERATURE VELOCITY VENT, VENTILATION VERTICAL VARIABLE FREQUENCY DRIVE VOLUME WET BULB TEMP

WATER COLUMN WATER GAUGE WATER PRESSURE DROP WEIGHT WATER

MECHANICAL GENERAL NOTES ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION, INCLUDING CURBS EQUAL TO OR GREATER THAN DESIGN SNOW DEPTH. ELEVATION: 4500'

SDB: 95F SWB: 62F WDB: 8F DESIGN SNOW DEPTH: 18'

SILICON DUCT SEALANT. DUCT TO BE FREE OF ANY COATINGS OR FILMS TO

THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING

WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE. ALL SUPPLY AND RETURN DUCTWORK TO BE EXTERNALLY WRAPPED WITH

INSULATION WITH AN R-VALUE OF R-6. ALL EXPOSED DUCTWORK TO BE SPIRAL ROUND OR FLAT OVAL WITH CLEAR

ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.

ALLOW FOR PAINTING.

FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET. FLEX DUCT SHALL NOT BE COMPRESSED OR KINKED BY ANY OBJECTS SUCH AS STRUCTURE, PIPING, ETC.

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GENERAL EQUIPMENT NOTES

ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED TO CONFORM WITH LOCAL

SEISMIC REQUIREMENTS & THE REQUIREMENTS OF THESE CONSTRUCTION

ALL CAPACITIES ARE AT JOB SITE CONDITIONS & ARE MINIMUM CAPACITY.

VERIFY ALL REQUIRED SERVICE CONNECTIONS, INCLUDING ELECTRICAL

ALL SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.

AIR INLETS & OUTLETS SHALL BE OF THE SAME MANUFACTURER.

SECOND FLOOR FP PLAN - INCLUSIVE RESTROOM

CHARACTERISTICS FOR ALL EQUIPMENT PRIOR TO ORDERING EQUIPMENT.

ALL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURAL

ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HVAC EQUIPMENT CHECK-IN,

MECHANICAL SHEET INDEX

SECOND FLOOR MECH. DEMO. PLAN - INCLUSIVE RESTROOM

SECOND FLOOR MECH. PIPING PLAN - INCLUSIVE RESTROOM

SECOND FLOOR MECHANICAL PLAN - SECTION VIEW

SECOND FLOOR MECHANICAL PLAN - INCLUSIVE RESTROOM

DOCUMENTS.

WRITTEN INSTALLATION INSTRUCTIONS.

MECHANICAL COVER SHEET

ROOF MECHANICAL PLAN

MECHANICAL DETAILS

MECHANICAL SCHEDULES

MECHANICAL CONTROLS - GENERAL

MECHANICAL CONTROLS -MISC. EQUIPMENT

SAFEKEEPING, & DAMAGE.

T 84111 Lake City, UT FIRE 800-678-7 77 801-328-5 51 NCE**faxb&014E328** 5155 Www.spectrum-encineers.com

ARCHITECTS

280 South 400 West

Salt Lake City, Utah 84101

Telephone (801) 595-6700

Suite 250

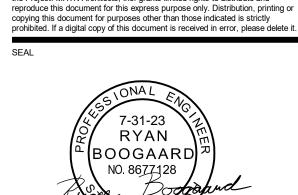
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NO.	DATE	DESCRIPTION			

27 October 2023 E MECHANICAL **COVER SHEET**

M001

- REMOVE DUCTWORK BACK TO MAIN. CAP AND SEAL PENETRATION.
- REMOVE EXISTING EXHAUST DUCTWORK AND EXHAUST FAN. PATCH AND SEAL ROOF PENETRATION PER ROOF MANUFACTURES WARRANTY REQUIREMENTS.
- REMOVE DUCTWORK, VAV BOX AND HOT WATER HEATING PIPING BACK TO



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MECHANICAL GENERAL NOTES

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- THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.
- ALL EXPOSED DUCTWORK TO BE SPIRAL ROUND OR FLAT OVAL WITH CLEAR
- ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
- OBJECTS SUCH AS STRUCTURE, PIPING, ETC.
- PROVIDE FLEX DUCT ELBOW (FLEX FLOW ELBOW BY THERMAFLEX, FLEX RIGHT ELBOW BY FLEXMASTER, SMART FLOW ELBOW BY HART AND COOLEY, OR EQUAL) AT ALL CEILING MOUNTED DIFFUSER CONNECTIONS. NOT FOR USE WHERE ABOVE CEILING SPACE IS USED AS RETURN PLENUM.
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KEY PLAN
SECOND FLOOR PLAN

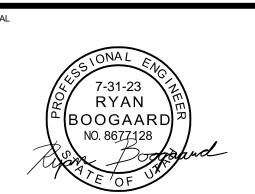
- AREA OF WORK

SDB: 95F SWB: 62F WDB: 8F DESIGN SNOW DEPTH: 18'

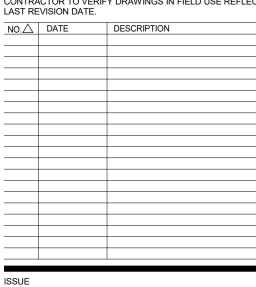
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- BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW.

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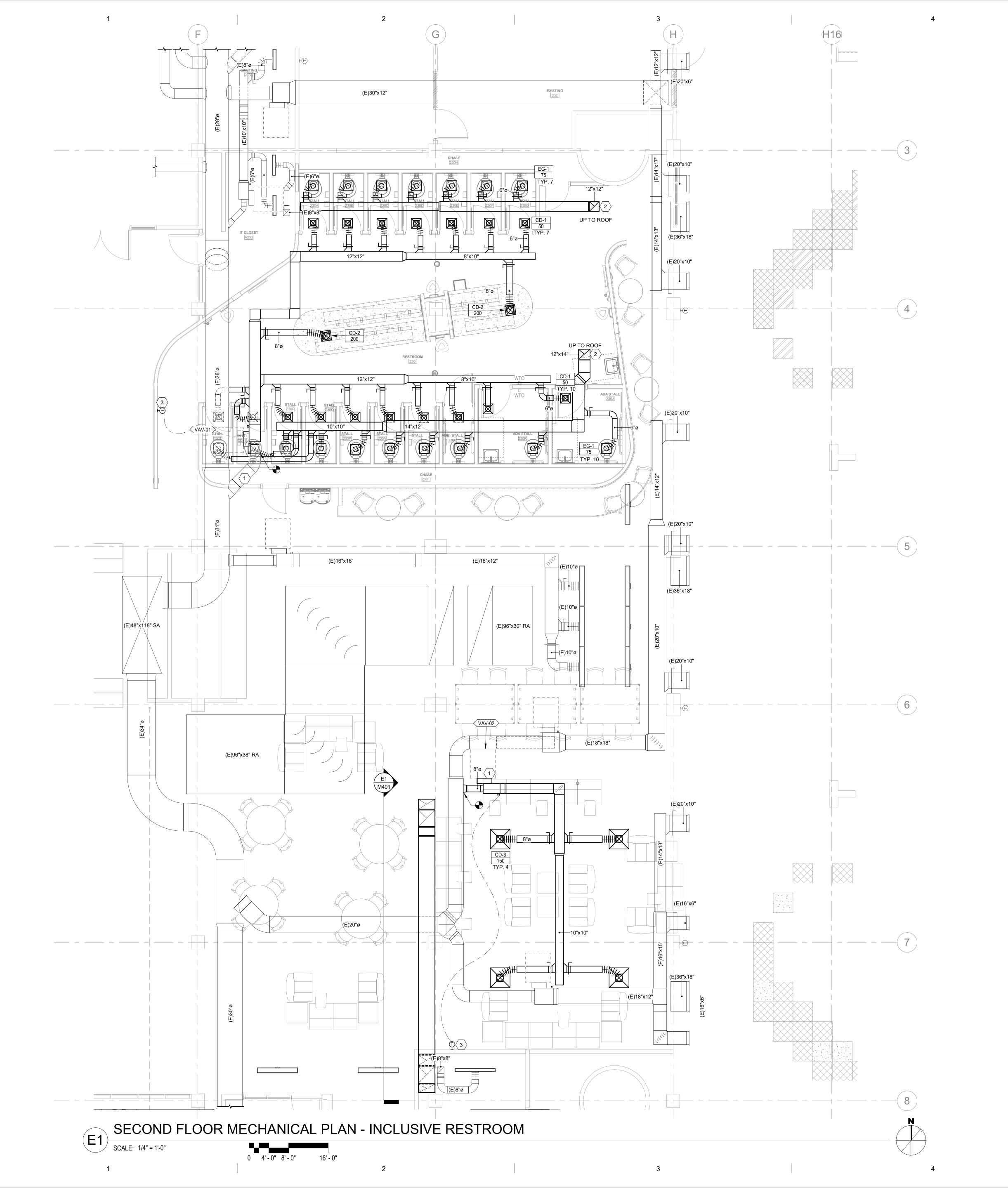
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BID SET 27 October 2023

SECOND FLOOR MECH. DEMO. PLAN - INCLUSIVE RESTROOM

MD102



- CONNECT NEW VAV BOX TO EXISTING BRANCH. ROUTE NEW HEATING HOT WATER LINES TO EXISTING MAINS.
- 2 ROUTE NEW DUCTWORK TO CURB MOUNTED ROOF EXHAUST FANS.
- 3 COORDINATE THERMOSTAT WITH FURNITURE PLAN.



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MECHANICAL GENERAL NOTES

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SDB: 95F SWB: 62F WDB: 8F DESIGN SNOW DEPTH: 18'

- INSULATION WITH AN R-VALUE OF R-6.
- SILICON DUCT SEALANT. DUCT TO BE FREE OF ANY COATINGS OR FILMS TO ALLOW FOR PAINTING.

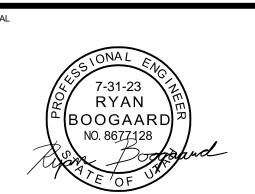
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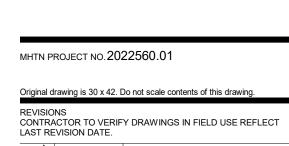
- FORMS TO ENGINEER FOR REVIEW.

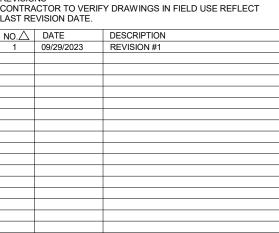
KEY PLAN
SECOND FLOOR PLAN

- AREA OF

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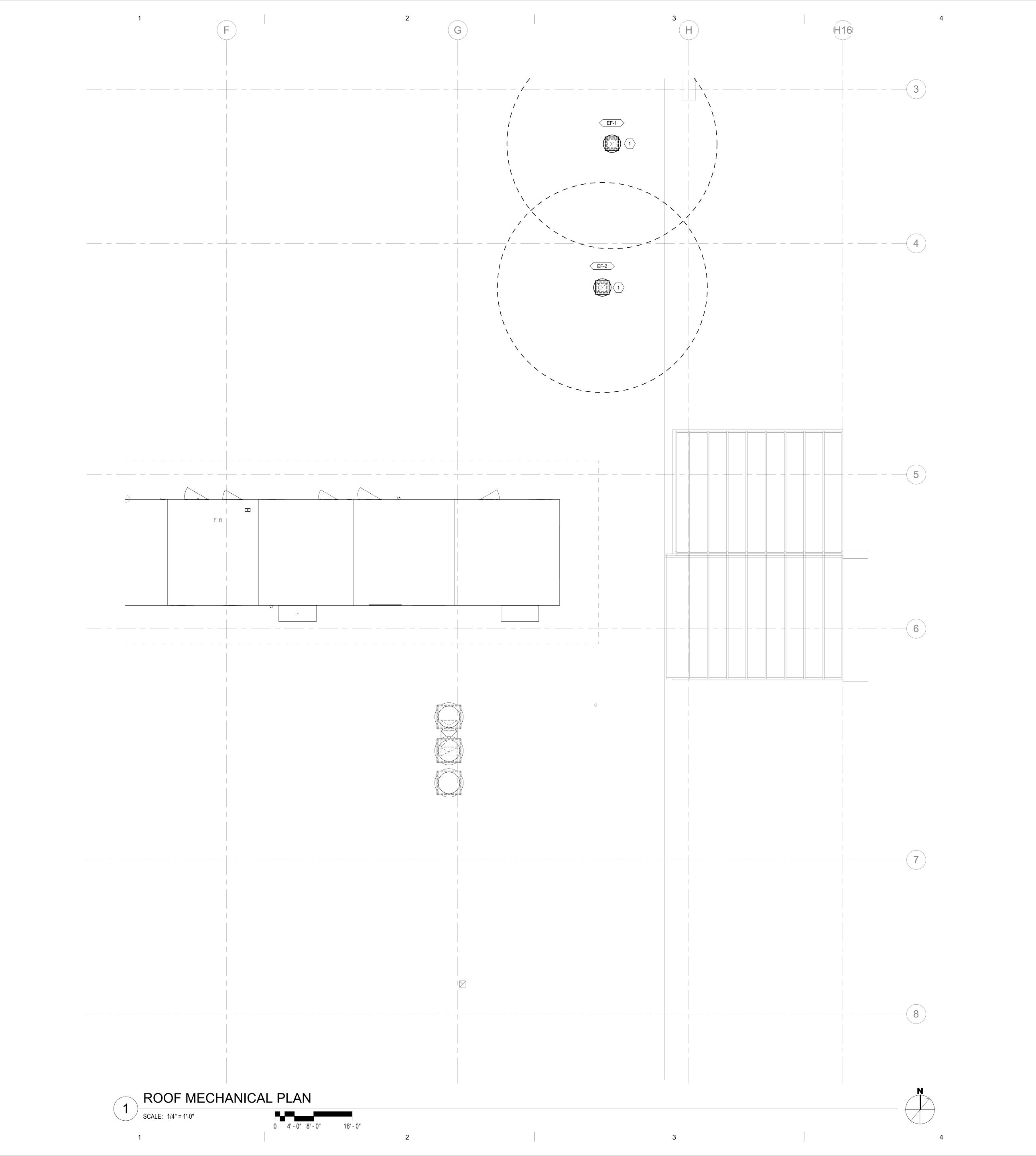




27 October 2023

SECOND FLOOR MECHANICAL PLAN - INCLUSIVE RESTROOM

M102



PATCH AND SEAL ROOF PENETRATION PER ROOF MANUFACTURES WARRANTY REQUIREMENTS. EXHAUST TO BE 10' FROM ALL FRESH AIR INTAKES.



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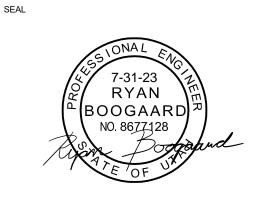
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KEY PLAN
SECOND FLOOR PLAN

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27 October 2023

ROOF MECHANICAL PLAN

M103

1 CONNECT NEW HEATING HOT WATER SUPPLY AND RETURN LINES TO EXISTING MAINS. CONTRACTOR TO FIELD VERIFY LOCATION.



ARCHITECTS

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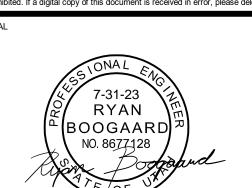
- ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
- FLEXIBLE DUCT MAY BE USED AT FINAL TERMINATION OF DUCT TO DIFFUSER OR OBJECTS SUCH AS STRUCTURE, PIPING, ETC.
- PROVIDE FLEX DUCT ELBOW (FLEX FLOW ELBOW BY THERMAFLEX, FLEX RIGHT ELBOW BY FLEXMASTER, SMART FLOW ELBOW BY HART AND COOLEY, OR EQUAL) AT ALL CEILING MOUNTED DIFFUSER CONNECTIONS. NOT FOR USE WHERE ABOVE CEILING SPACE IS USED AS RETURN PLENUM.
- GRILLES AND DUCTWORK ARE SIZED INDEPENDENTLY. THE NECK SIZE OF GRILLES MAY NOT MATCH THE ASSOCIATED DUCT SIZE. PROVIDE TRANSITION TO GRILLES AS NECESSARY.
- PROVIDE REMOTE CABLE OPERATED DAMPER SYSTEM FOR ALL DUCTWORK
- ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE.
- PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES.
- 12 GC TO HIRE NEBB OR AABC CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. TAB CONTRACTOR SHALL VERIFY THE OUTSIDE AIR AT EACH RTU IS AS SCHEDULED. FOLLOW PROCEDURES AS LAID FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW.

- ALL SUPPLY AND RETURN DUCTWORK TO BE EXTERNALLY WRAPPED WITH
- ALL EXPOSED DUCTWORK TO BE SPIRAL ROUND OR FLAT OVAL WITH CLEAR
- SILICON DUCT SEALANT. DUCT TO BE FREE OF ANY COATINGS OR FILMS TO ALLOW FOR PAINTING.

INSULATION WITH AN R-VALUE OF R-6.

- GRILLE. MAXIMUM FLEXIBLE DUCT LENGTH IS 5'-0". PROVIDE DUCT SUPPORTS EVERY 3 FEET. FLEX DUCT SHALL NOT BE COMPRESSED OR KINKED BY ANY
- PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT BRANCH OF SUPPLY AND EXHAUST DUCTWORK.

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NO.	DATE	DESCRIPTION

BID SET 27 October 2023

SECOND FLOOR MECH. PIPING PLAN - INCLUSIVE RESTROOM

M104

KEY PLAN
SECOND FLOOR PLAN

- AREA OF WORK

12"x20"— 20"x20"— -10"x20"

MECHANICAL SECTION VIEW - OPEN SEATING AREA

SCALE: 1/2" = 1'-0"

0 1' - 0" 2' - 0" 4' - 0"

1) RESTROOM DEMO SECTION VIEW 1/2" = 1'-0"

○ SHEET KEYNOTES

ROUTE NEW EXHAUST DUCTWORK BETWEEN TRUSSES THROUGH CRAWL SPACE AND UP THROUGH FLOOR. CONNECT TO EXISTING FANS ON ROOF. REMOVE VERTICAL SECTION OF DUCTWORK IN RESTROOM CHASE. EXISTING EXHAUST FANS TO REMAIN.



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MECHANICAL GENERAL NOTES

ALL EQUIPMENT TO BE SELECTED BASED OFF OF SITE INFORMATION, INCLUDING CURBS EQUAL TO OR GREATER THAN DESIGN SNOW DEPTH. ELEVATION: 4500' SDB: 95F SWB: 62F WDB: 8F DESIGN SNOW DEPTH: 18'

- THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING STRUCTURE.
- ALL SUPPLY AND RETURN DUCTWORK TO BE EXTERNALLY WRAPPED WITH
- ALL EXPOSED DUCTWORK TO BE SPIRAL ROUND OR FLAT OVAL WITH CLEAR SILICON DUCT SEALANT. DUCT TO BE FREE OF ANY COATINGS OR FILMS TO ALLOW FOR PAINTING.
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- PROVIDE REMOTE CABLE OPERATED DAMPER SYSTEM FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON BUSHINGS AT GRILLE.
- PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES.
- GC TO HIRE NEBB OR AABC CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. TAB CONTRACTOR SHALL VERIFY THE OUTSIDE AIR AT EACH RTU IS AS SCHEDULED. FOLLOW PROCEDURES AS LAID FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW.

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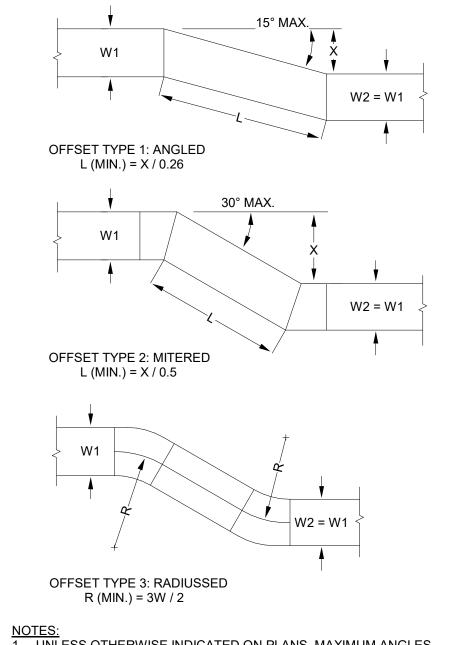
BID SET 27 October 2023

SECOND FLOOR MECHANICAL PLAN - SECTION VIEW

M401

KEY PLAN
SECOND FLOOR PLAN - AREA OF

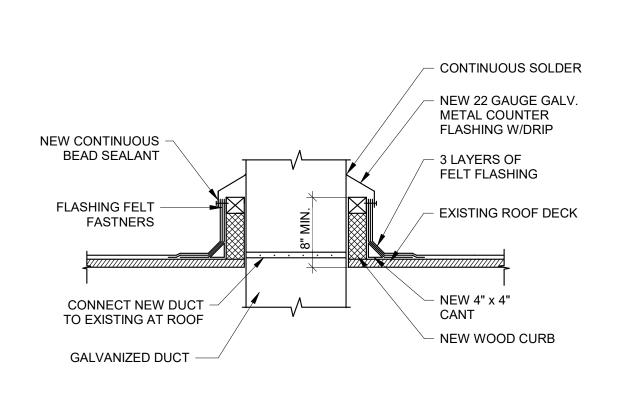




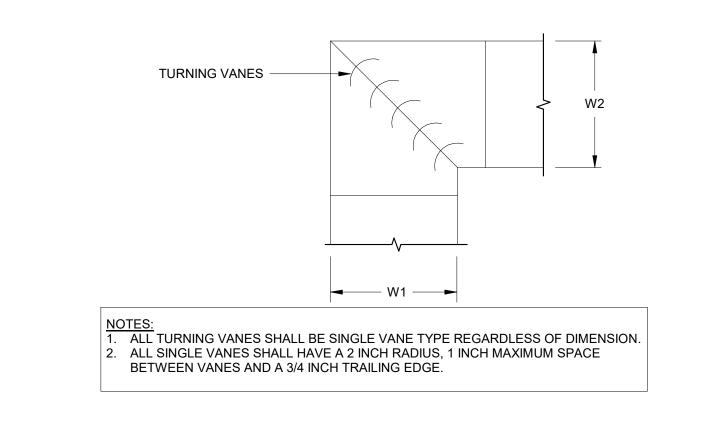
NOTES:
1. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY. ALL OFFSETS SHOWN ON DRAWINGS MADE BE MADE WITH ANY OF THE 3 OFFSET TYPES ABOVE.

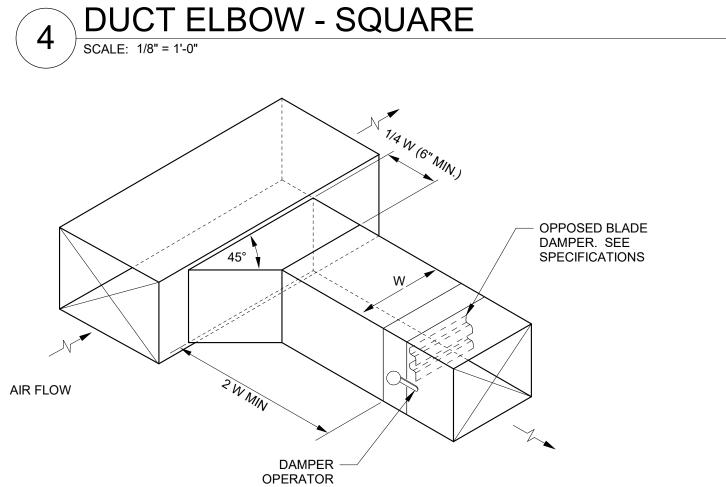
7 DUCT OFFSETS
SCALE: 1/8" = 1'-0"

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



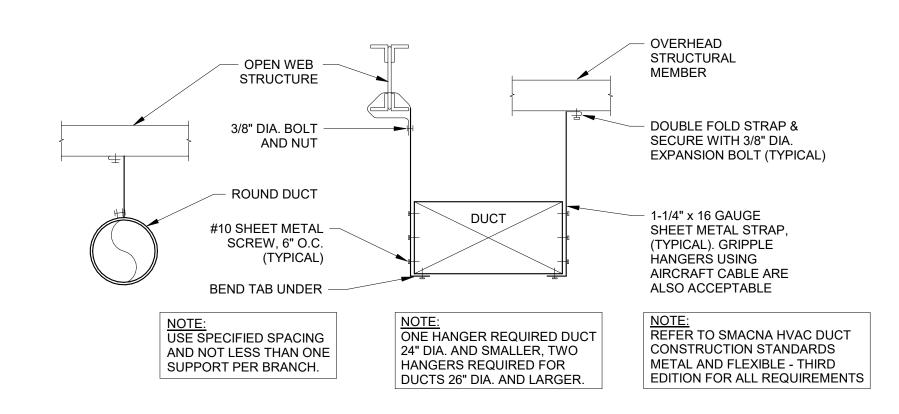




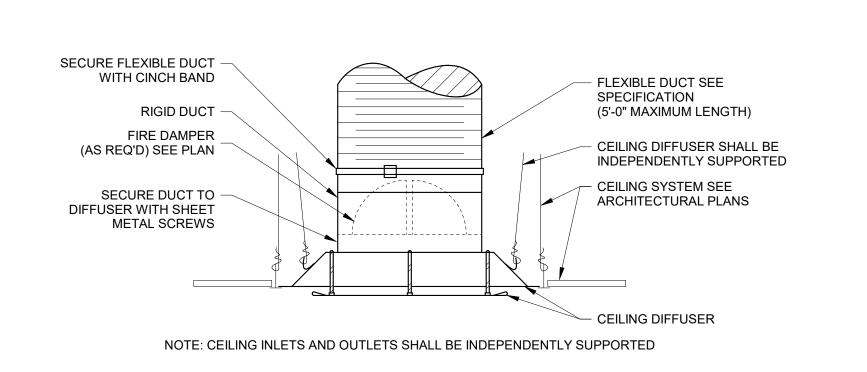


PROVIDE CONCEALED CEILING DAMPER REGULATOR FOR GYPSUM BOARD CEILINGS OR OTHER INACCESSIBLE LOCATIONS





2 DUCT HANGER SCALE: 1/8" = 1'-0"



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

ARCHITECTS

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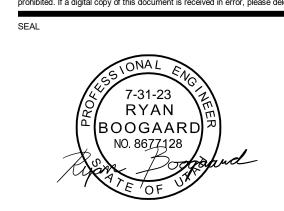
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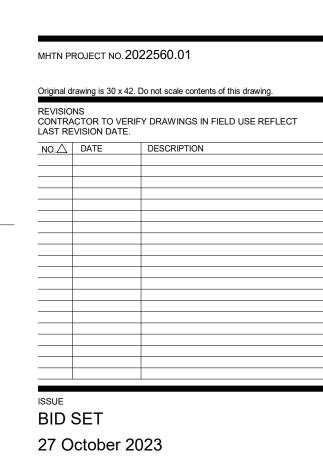
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E MECHANICAL DETAILS

3/8" MANUAL -P&T TEST PLUG (TYP.) AIR VENT __ 2-WAY CONTROL VALVE VALVE UNION (TYPICAL) CALIBRATED 0-10 VOLTS BALANCING ÇOIL VALVE (TYPICAL) STRAINER 3/4" MANUAL BLOWDOWN ARRANGE PIPING TO WITH VALVE, HOSE MAINTAIN REQUIRED W/HOSE CONNECTION, AND SERVICE CONNECTION AND CAP, SAME SIZE AS CLEARANCE BLOWDOWN. VAV REHEAT BOX WITH 2-WAY VALVE DETAIL

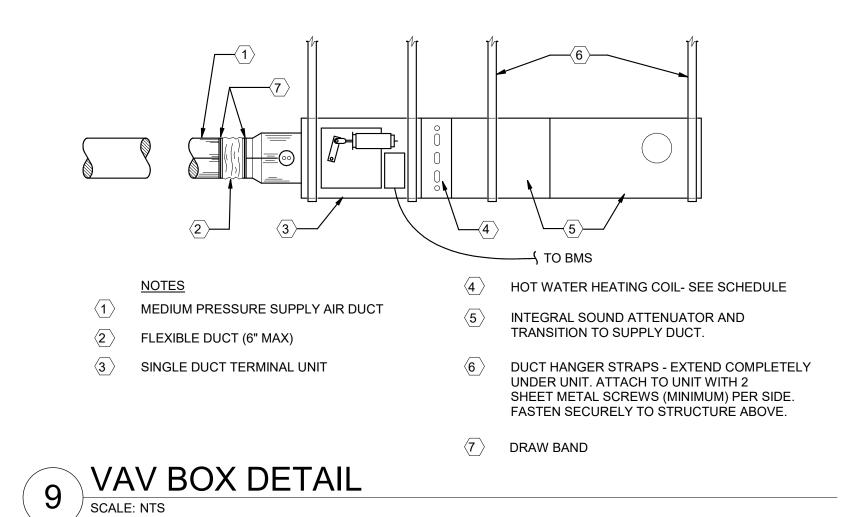
SCALE: NTS

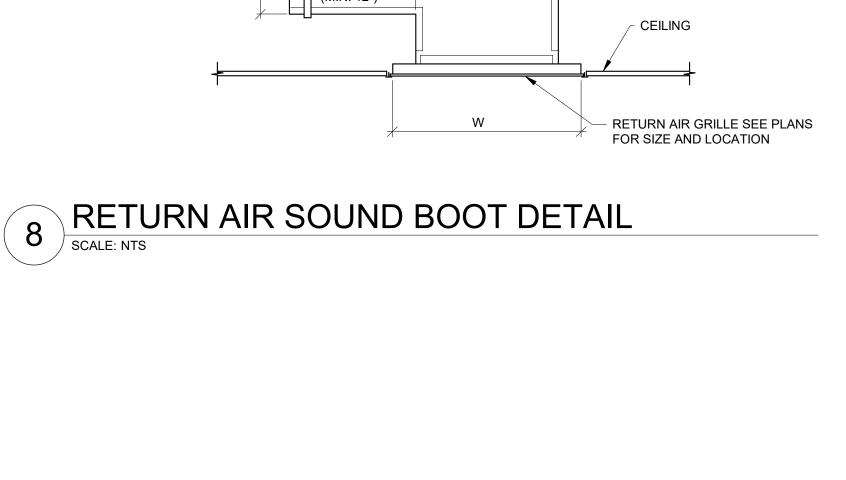
NOTES:

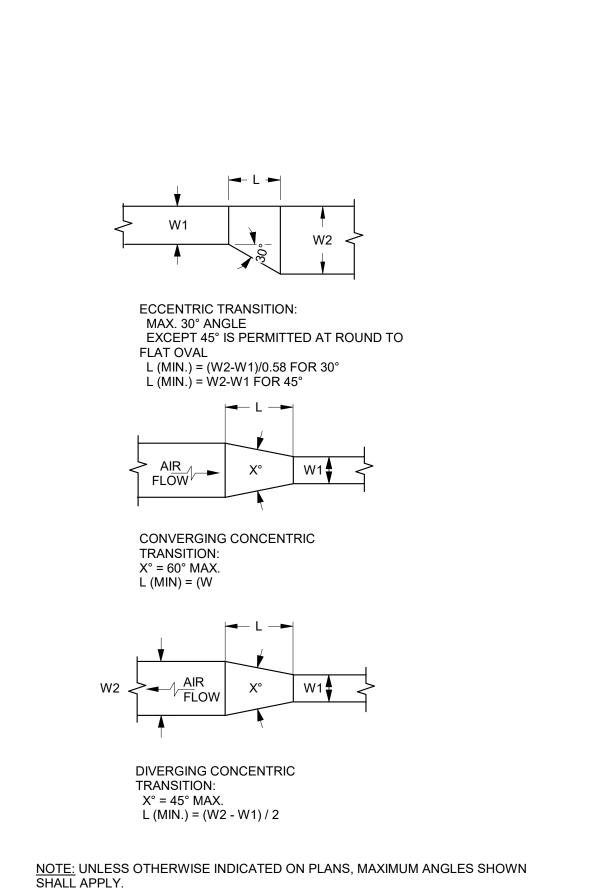
1. ALL STRAINERS ARE TO HAVE BLOWDOWN VALVE AND HOSE CONNECTION.

2. ALL COIL DRAIN VALVES ARE TO HAVE HOSE CONNECTION.

PROVIDE MANUAL AIR VENTS AT HIGH POINTS.
 PROVIDE DRAINS AT LOW POINTS.







							_											
						VA	V BC	XC	SC	CHE	DUL	_E						
NOTES																		
1	ALL B	OXES H	AVE / TO I	HAVE 2-R	OW HOT WATER	RHEATING	COIL. COIL S	IZED B	ASED	ON 55 DE	G F ENTEI	RING A	IR TEM	IPERATUI	RE.			
2	ACCE	PTABLE	MANUFA	CTURERS	S/MODEL: PRICE	E / SDV, TITI	JS / DESV, K	RUEGE	R/LN	IHS.								
3	1/2" A	COUSTI	C LINER C	ON BOX.														
4	PROV	IDE WIT	H DDC CO	ONTROLL	ER. EXTENT TO E	EXISTING B	UILDING MA	NAGEN	MENT S	SYSTEM.								
3	4 HOT	Γ WATEF	R PIPE SU	PPLY AND	RETURN PIPIN	G FROM HE	EATING COIL	TO MA	INS PE	ER FOLLO	WING SCI	HEDUL	E: 0.5 -	1.0 GPM:	1/2"; 1.25 - 2.	5 GPM: 3/4'	'; 2.75 -	5 GPM: 1"; 5
	7.5 GF	PM: 1-1/4	1".															
7	PROV	/IDE 1/2"	ACOUSTI	IC LINER I	N FIRST 10' OF D	UCTWORK	DOWNSTRE	EAM OF	BOX									
			IMENSIO	NS			AIR FLOW					HC	TAW TO	ER COIL				
					COOLING AIR	MIN AIR	HEATING				WATER							
		INLET		OUTLET	FLOW MAX	FLOW	AIR FLOW	EAT	LAT	APD	FLOW	EWT	LWT	WPD	CONTROL	MAX NC		
LABE	:L	SIZE	WIDTH	HEIGHT	(CFM)	(CFM)	(CFM)	(F)	(F)	(IN H2O)	, ,	(F)	(F)	(FT HD)	VALVE	LEVEL		NOTES
VAV-01		10"	14"	12 1/2"	1250	375	1250	55	95	0.62	5.1	180	158.8	1	2 WAY	25	ALL	
VAV-02		8"	12"	10"	600	180	600	55	85	0.37	1.7	180	157.1	0.3	2 WAY	25	ALL	

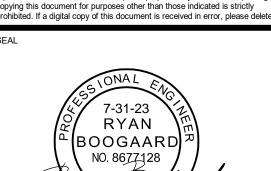
EXHAUST FAN SCHEDULE REMARKS: APPROVED EQUALS: (1) ALL ALUMINUM CONSTRUCTION (2) BACKDRAFT DAMPER (5) CAPACITY AT JOB SITE ELEVATION(6) CEILING RADIATION DAMPER PENN BARRY LOREN COOK TWIN CITY (3) INTEGRAL THERMAL OVERLOAD PROTECTION (7) FAN TO RUN DURING BUSINESS HOURS GREENHECK (4) DISCONNECT SWITCH BROAN STARTER STATIC FAN SOUND EMERGENCY FURN BY RPM RATING ELEC MANUFACTURER MODEL REMARKS A WEIGHT HP VOLTAGE PHASE Hz POWER AREA SERVED 1550 8.8 SONES 1300 9.5 SONES YES LOREN COOK
YES LOREN COOK 0.50 in-wg 0.50 in-wg 101R15D ALL RESTROOM 120R13D ALL

		RE	GISTER -	GRILL	.E- DIF	FUSER S	CHEDU	JLE		
APPROVE	D EQUALS:	REMARKS:								
KRUEGER TUTTLE & TITUS PRICE	BAILEY	(2) NC VALI	JES ARE BASED O	N OCTAVE B	AND SOUND	CORDANCE WITH A POWER LEVELS M NER AND ARCHITE	MINUS A ROOM	STD 70. M ABSORPTION OF	10 dB, RE 10(-1	2) WATTS.
		BI OW	MAX AIR FI OW			PRESSURE				
LABEL	TYPE	BLOW PATTERN	MAX AIR FLOW (CFM)	FACE SIZE	MAX NC	PRESSURE DROP (in-wg)	THROW	MANUFACTUREF	MODEL	REMARKS
	TYPE SQUARE CONE DIFFUSER			FACE SIZE	MAX NC		THROW 5-8-11	MANUFACTUREF	MODEL	REMARKS
CD-1		PATTERN	(CFM)			DROP (in-wg)				
LABEL CD-1 CD-2 CD-3	SQUARE CONE DIFFUSER	PATTERN 4-WAY	(CFM) 235	12" X 12"	30	DROP (in-wg) 0.162	5-8-11	PRICE	SCD	ALL





SALT LAKE COMM	INCLUSIVE RESTROO	4600 S REDWOOD ROAD
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BID SET
27 October 2023

E MECHANICAL SCHEDULES

M601

	GENERAL NOTES
GENERAI L POINTS MA DEFINITIO	AY NOT BE SHOWN. CONTRACTOR MUST PROVIDE THE NECESSARY POINTS TO ACHIEVE THE GIVEN SEQUENCES OF OPERATION.
b. AO	- ANALOG INPUT) - ANALOG OUTPUT (ANALOG VARIABLE
d. BI -	' - ANALOG VARIABLE - BINARY INPUT) - BINARY OUTPUT
f. BAS / BM	S - BUILDING AUTOMATION SYSTEM / BUILDING MANAGEMENT SYSTEM SM - CUBIC FEET PER MINUTE
h. CO i. COV - CH	OS - CHANGE OF STATE HANGE OF VALUE
,	RECT DIGITAL CONTROL - DEGREES FAHRENHEIT - ALARM
m. MA	AD - MIXED AIR DAMPERS PM - PARTS PER MILLION
p. PID	- PERCENT (0- 100) D - PROPORTIONAL - INTEGRAL - DERIVATIVE
r.RH - REL	SIG - POUNDS PER SQUARE INCH GAGE LATIVE HUMIDITY IL - STATIC HIGH LIMIT
t. SLL - STA u. TL	ATIC LOW LIMIT - TREND LOG
w. VFI	L - TEMPERATURE LOW LIMIT 'D - VARIABLE FREQUENCY CONTROLLER 'C - INCHES WATER COLUMN
MODES:	CCUPIED - NORMAL OPERATION MODE DURING THE SCHEDULED OCCUPANCY HOURS.
c. UN	IOCCUPIED - NORMAL SHUT DOWN MODE OUTSIDE OF OCCUPANCY HOURS. IOCCUPIED CYCLE - SYSTEM CYCLES ON TO MAINTAIN UNOCCUPIED SET POINT CONDITIONS DURING THE UNOCCUPIED SCHEDULE. TS AND SCHEDULES:
a. ALI	L SET POINTS AND SCHEDULE LINKS SHALL BE ADJUSTABLE AND LOCATED ON THE CONTROL SYSTEM GRAPHICS. THE CONTROL SEQUENCE OF OPERATION STATES THE SUGGESTED SET POINT AND THEN THE ADJUSTABLE RANGE IN PARENTHESIS, I.E. 55°F (50 - 60°F). THE PROGRAMMER WILL LIMIT THE ADJUSTABLE
1) TEI	AS NOTED. SET POINTS INCLUDE BUT ARE NOT LIMITED TO-
3) PR	JMIDITY RESSURE QUID LEVELS
5) LIG	QUIPMENT RUNTIMES
TRÉND LO	
b. BIN	IALOG POINTS SHALL BE SET UP TO TREND AT 5 MINUTE INTERVALS NARY POINTS SHALL BE LOGGED ON A CHANGE OF STATE (COS) JLTI-VALUE BINARY POINTS SHALL BE LOGGED ON A CHANGE OF VALUE (COV)
	STEM GRAPHICS - PROVIDE A SYSTEM GRAPHIC FOR EACH MAJOR SYSTEM WHICH SHOWS -
2) ALI	'STEM SCHEMATIC WITH ALL PHYSICAL COMPONENTS AND THEIR CONNECTIONS L DATA POINTS (AIS, BIS, AOS AND BOS) L "ADJUSTABLE" SET POINTS (AVS)
4) RU 5) MA	INTIMES ON ALL MECHANICAL EQUÍPMENT AINTENANCE ALARM SET POINTS FOR SERVICEABLE ITEMS (I.E. FAN AND PUMP RUNTIMES, FILTER DIFFERENTIAL PRESSURE SET POINTS ETC.).
b) MA	INTIME SHALL BE MONITORED (HOURS). AINTENANCE RUNTIME SHALL BE MONITORED (HOURS) AINTENANCE ALARM SHALL BE DISPLAYED WHEN THE MAINTENANCE RUNTIME EXCEEDS THE MAINTENANCE SET POINT.
d) TH	IE OPERATOR SHALL RESET THE MAINTENANCE RUNTIME FROM THE OPERATOR GRAPHIC. T POINT/PARAMETER GRAPHICS - MOST SET POINTS, RUNTIMES AND MAINTENANCE ALARM SET POINTS CAN BE SHOWN ON THE SYSTEMS GRAPHIC.
ACCESS	ER, WHEN THE NUMBER OF POINTS BECOMES EXCESSIVE, AND THE SYSTEM GRAPHIC BECOMESBUSY", PROVIDE A SET POINT/PARAMETER GRAPHIC THAT IS SED FROM THE SYSTEM GRAPHIC. POINTS THAT ARE DISPLAYED ON THIS GRAPHIC INCLUDE, BUT ARE NOT LIMITED TO -
2) CA	DJUSTABLE SET POINTS ALCULATED SET POINTS ESET SCHEDULES
4) TR c. SE	END LOGS QUENCE OF OPERATION GRAPHICS - FOR EACH SYSTEM, PROVIDE SEQUENCE OF OPERATION THAT DETAILS THE SEQUENCE THAT HAS BEEN PROGRAMMED
SEQUEN	CURRENTLY OPERATING. THIS GRAPHIC SHALL BE ACCESSED FROM THE SYSTEM GRAPHIC AND OTHER APPLICABLE GRAPHICS THAT REFERENCE THIS NCE. OOR PLAN GRAPHICS - PROVIDE FLOOR PLAN GRAPHICS (USE AS-BUILT CONTRACT DOCUMENTS SHOWING ROOM NAMES/NUMBERS) THAT SHOW:
1) SP. 2) LO	ACE TEMPERATURE AND HUMIDITY VALUES (WHERE HUMIDITY IS MEASURED). CATIONS OF ALL MECHANICAL PRIMARY AND SECONDARY EQUIPMENT.
4) % F	LICKING" ON THEIR RESPECTIVE TEMPERATURE/HUMIDITY VALUE OR THEIR RESPECTIVE EQUIPMENT ICON ACCESSES THE SYSTEM GRAPHIC. HEATING OR % COOLING DEMAND IMMARY GRAPHICS - PROVIDE A SUMMARY GRAPHIC FOR EACH MULTIPLE EQUIPMENT SYSTEM. ALL DATA POINT VALUES, SET POINTS AND STATUS SHALL BE
DISPLAY	YED IN A TABLE-LIKE FORMAT. INDIVIDUAL SYSTEM GRAPHICS ARE TO BE DISPLAYED BY CLICKING ON THEIR RESPECTIVE EQUIPMENT IDENTIFIER. SUMMARY ICS SHALL BE PROVIDED FOR SYSTEMS THAT INCLUDE, BUT ARE NOT LIMITED TO:
b) VA	IN COIL UNITS IV TERMINAL UNITS
,	R HANDLERS CHAUST FANS IMPS
2) AS- GRAP	E-BUILT GRAPHICS - PDFS OF THE AS-BUILT CONTROL DRAWINGS FOR THE ASSOCIATED SYSTEM SHALL BE PROVIDED AND ACCESSED FROM THE SYSTEM PHIC.
1) TEI	ERING UNITS FOR ANALOG INPUTS AND SET POINTS (AIS AND AVS) SHOULD BE DISPLAYED ON THE GRAPHIC AS- IMPERATURE ###.#°F (1 DECIMAL PLACE) IMIDITY ###% (0 DECIMAL PLACES)
3) WA	ATER PRESSURE ###.#PSIG (1 DECIMAL PLACE) FFERENTIAL WATER PRESSURE ##.#PSIG (1 DECIMAL PLACE)
6) PO	JCT AND SPACE STATIC DIFFERENTIAL PRESSURES #.## " WC (2 DECIMAL PLACES) WER ###.# KW (1 DECIMAL PLACE)
g. EN	02 LEVEL #### PPM (0 DECIMAL PLACES) IGINEERING UNITS FOR ANALOG OUTPUTS (AOS) SHOULD BE DISPLAYED AS- ILVE ACTUATOR CONTROL VALUE ###% (0 DECIMAL PLACES)
2) DA	MPER ACTUATOR CONTROL VALUE ###% (0 DECIMAL PLACES) D SPEED CONTROL VALUE ###% (0 DECIMAL PLACES)
a. AS	AND SAFETIES: SOCIATED SAFETIES SHALL BE HARDWIRED IN SERIES SO ANY SAFETY WILL SHUT DOWN THE ASSOCIATED SYSTEM.
b. ALI	L SAFETIES WILL BE WIRED TO MONITOR, INDIVIDUALLY ALARM AND NOTIFY THE OPERATOR VIA THE BMS GRAPHIC. L ALARMS AND SAFETIES SHALL NOTIFY THE OPERATOR VIA THE BMS AFTER AN APPROPRIATE TIME DELAY WHEN- COMMAND VS STATUS MISMATCH OF ALL COMMAND POINTS
2) A S a) SAl	STATIC PRESSURE HIGH OR LOW LIMIT SAFETY HAS "TRIPPED" FETIES NEED TO BE THE MANUAL RESET TYPE OR -
3) A F	ROGRAMMED TO LATCH IN "ALARM" IF TRIPPED 3 (ADJUSTABLE 1-5) TIMES REQUIRING AN OPERATOR RESET BEFORE SYSTEM CAN OPERATE FIRE ALARM COMMAND RELAY IS IN "ALARM" /FD IS IN "ALARM"
5) CH	HILLER IS IN "ALARM" DILER IS IN "ALARM"
8) A F	I EMERGENCY SHUTDOWN SWITCH HAS BEEN "ACTIVATED" HIGH OR LOW LEVEL SET POINT HAS BEEN "EXCEEDED"
10) A F	MAINTENANCE RUNTIME SET POINT HAS BEEN "EXCEEDED" FILTER DIFFERENTIAL PRESSURE SET POINT HAS BEEN "EXCEEDED" IERE IS AN OVERFLOW "ALARM"
12) A T 13) WF	FEMPERATURE HIGH OR LOW LIMIT SET POINT IS IN "ALARM" HEN THE CHILLED OR HOT WATER DELTA T IS NOT AT OR ABOVE ITS DESIGN VALUE.
c. FIL 1) CA	TER MAINTENANCE ALARMS ALCULATING FILTER LOADING FOR VARIABLE SPEED AIR HANDLERS
i) SP	IRIABLES - STATIC PRESSURE DROP ACROSS THE FILTER - LOADED = THE FILTER MANUFACTURER'S RATED PRESSURE DROP THROUGH A LOADED FILTER (ADJUSTED FOR DESIGN FACE VELOCITY).
iií) SP ⁽ iv) ΔS	PUNLOADED = THE FILTER MANUFACTURER'S RATED PRESSURE DROP THROUGH THE UNLOADED FILTÈR (ADJUSTED FOR THE DESIGN FACE VÉLOCITY). SPRATED = SPLOADED - SPUNLOADED
v) CFI vi) CFI	M = OPERATING CFM MDESIGN = THE FULL AIR HANDLER DESIGN CAPACITY.

b) EQUATION

	SYMBOL LEGEND		SYMBOL LEGEN
YMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
DING MAN	AGEMENT CONTROL SYSTEM DEVICES	SENSOR AND	CONTROLLER PROBE TYPES
	SENSOR.		DUCT INSERTION PROBE.
	CONTROLLER.		
	ELECTRIC ACTUATOR.		
	ANALOG OUTPUT.		DUCT AVERAGING PROBE.
	ANALOG INPUT.		
	BINARY OUTPUT.		HOT WIRE SENSOR PROBE.
	BINARY INPUT.		PIPE WELL INSERTION PROBE.
		EQUIPMENT	
SOR AND	CONTROLLER TYPES		
	HIGH LIMIT.		CENTRIFUGAL FAN.
	MANUAL RESET.		
	TEMPERATURE.		PLUG FAN.
*	DIFFERENTIAL PRESSURE.		
\rightarrow	ABSOLUTE PRESSURE.		
F	FLOW.		DAMPER, PARALLEL.
2	SMOKE.		
C0 ₂	CARBON DIOXIDE.		
	REMOTE SET POINT.		
*	MOTION		DAMPER, OPPOSED.
δ δ δ δ	HUMIDITY		
			ABBREVIATIONS
			NOTE: ALL ABBREVIATIONS MAY NOT BE USED.
			LDING MANAGEMENT EA EXHAUST AIF

CHILLED WATER

COOLING TOWER

RETURN

SUPPLY

ELECTRICAL.

CONDENSER WATER

CONDENSER WATER

CONDENSER WATER

DISCHARGE AIR

DIRECT COUPLED

CHWS

CT CW

CWR

CHILLED WATER RETURN NO

CHILLED WATER SUPPLY OA

NORMALLY CLOSED

NORMALLY OPEN

OUTSIDE AIR

RETURN AIR

SUPPLY AIR

CONTROLLER

VFC

GENERAL SHEET NOTES

CONTROL DRAWINGS INDICATED HEREIN ARE INTENDED TO COMMUNICATE THE GENERAL INTENT OF THE OPERATION OF THE SYSTEM(S). CONTROL CONTRACTOR TO SUBMIT CONTROL DRAWINGS SUBMITTAL FOR REVIEW CLEARLY DEFINING HOW THE CONTROL DESIGN MEETS THE INTENT OF DESIGN AND THE

PROVIDE STEP DOWN TRANSFORMERS AS NECESSARY FOR CONTROL WIRING. DESIGN ANTICIPATES USE OF TRANSFORMERS IN THE FOLLOWING LOCATIONS: MECHANICAL ROOMS, OFFICE AREAS, AND ROOF AIR HANDLERS. PROVIDE ANY ADDITIONAL TRANSFORMERS AND COORDINATE FINAL LOCATIONS WITH

4. CONTROLS CONTRACTOR TO COORDINATE FINAL CONTROL POINTS

5. CONTROLS CONTRACTOR TO COORDINATE FINAL EQUIPMENT CONTROL POINTS WITH EQUIPMENT MANUFACTURER FOR

REQUIREMENTS OF THE OWNER FOR REVIEW.

3. CONTROL SYSTEM VENDOR: **JOHNSON CONTROLS**

COMPLETE OPERATION OF ALL EQUIPMENT.

AND DESIRED FRONT END GRAPHICS WITH OWNER.

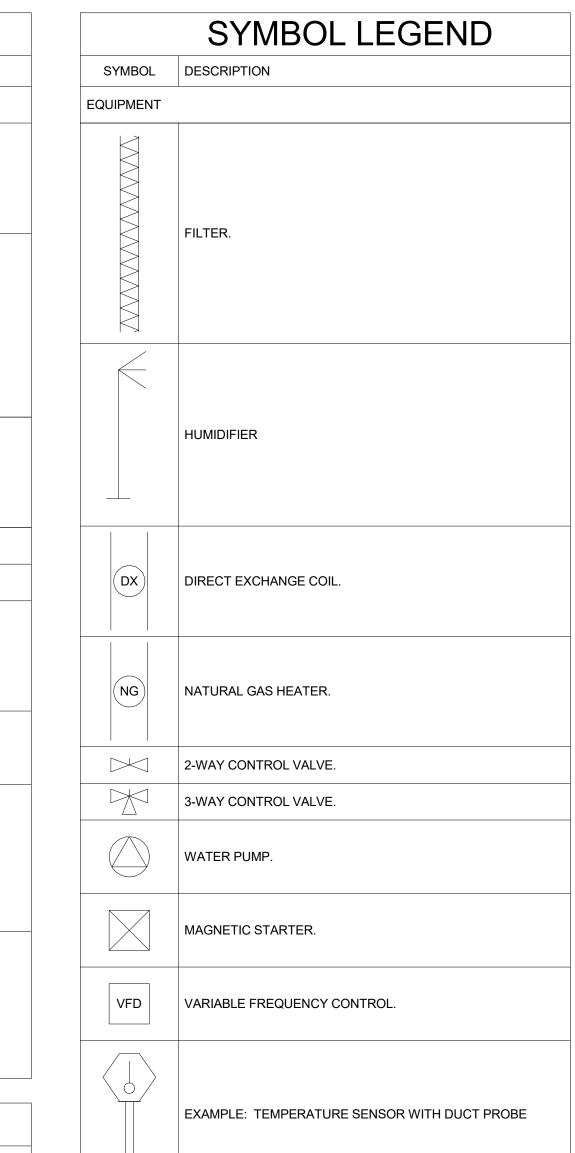
TOWER WATER

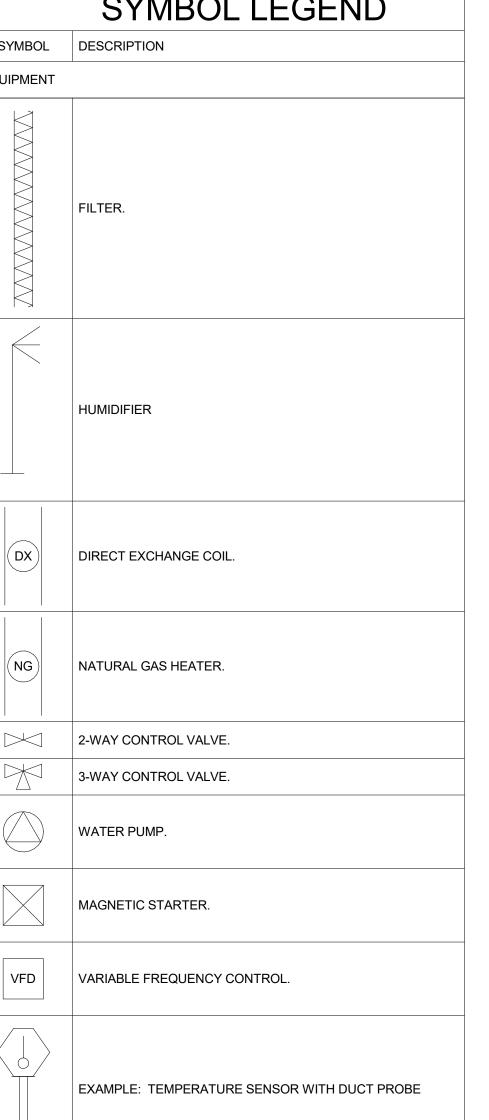
TOWER WATER RETURN

TOWER WATER SUPPLY

VARIABLE FREQUENCY

VARIABLE SPEED DRIVE







ARCHITECTS

280 South 400 West

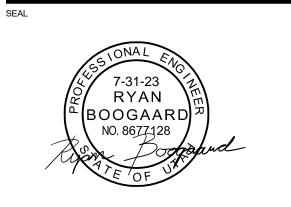
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27 October 2023

E MECHANICAL CONTROLS -GENERAL

M701



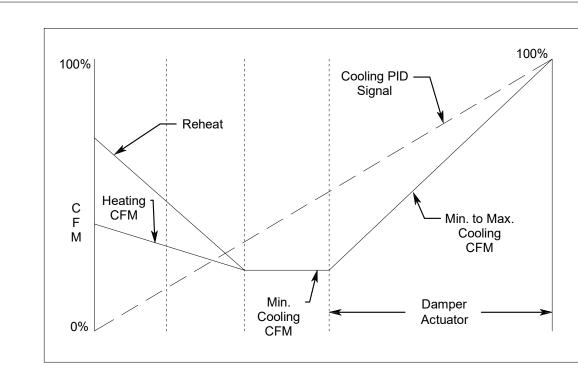
VAV BOX CONTROL SEQUENCE & DIAGRAM

VAV Box Control A. Occupancy

- 1. Spaces with Occupancy Sensors VAV Box occupancy will be controlled by occupancy schedule (BMS adjustable) and lighting system occupancy
- 2. Common spaces without Occupancy Sensors VAV Box will be controlled by occupancy schedule (BMS adjustable) and overridden during the unoccupied period by manual button interfaced with lighting control system. 3. Occupancy of AV and IT rooms to be disabled. These should run in
- unoccupied mode. 4. VAV boxes serving rooms with Demand Control Ventilation (DCV) are to run at minimum air flow during business hours (8am - 9pm) and are to be modulated from minimum airflow to maximum air flow to maintain space temperature setpoint. The box will be "Occupied" when the CO2 sensor indicates that the CO2 setpoint has been exceeded. The air valve is to open to the heating airflow (indicated in VAV schedule) until the CO2 setpoint is achieved. If the space CO2 level is lower than the outside air CO2 level, the VAV box remain in unoccupied mode. C. VAV Box Control with occupancy sensor.
- 1. Each VAV Box will be tied to one of the BMS occupancy schedules.
- a. Occupied Mode 1) When occupancy is sensed, the space temperature is controlled at
- the occupied set point. 2) When unoccupancy is sensed for 15 continuous minutes, the space temperature is controlled at the standby set point.
- b. Unoccupied Mode 1) The space temperature will be controlled at the unoccupied set
- D. Common Area VAV Box (as applicable) Occupied Mode
- a. Space temperature is controlled at the occupied set point.
- 2. Unoccupied Mode a. The space temperature will be controlled at the unoccupied set point.
- b. VAV Box can be placed into the occupied mode for a 1hour period (adjustable) whenever indexed by WEB interface. E. Set Points
- Admin areas:
- 1.1. Occupied 68°F DB (Winter) 78°F DB (Summer). Provide setpoint adjustment +/- a maximum of 2°F reset adjustment (if requested by owner's representative).
- 1.2. Unoccupied 65°F Heating and 85°F Cooling.
- F. VAV Box Control
- 1. Damper controls air volume between the maximum and minimum cooling air flow set points in the cooling mode and at the heating air flow set point in the heating mode. See VAV Box Schedule for set point values.
- 2. The appropriate space temperature set point is maintained by modulating the VAV damper, and electric reheat coil in sequence. 3. Adjust the electric heating to limit the discharge air temperature to be

space CO2 and the outside CO2 level at a set point of 500 ppm

- within 15°F of the room temperature. 4. DCV VAV boxes: The space CO2 level is calculated and compared to the outside CO2 level. The air damper modulates open to increase the airflow into the space to maintain a maximum differential between the highest
- (adjustable). The electric heat to modulated to maintain temperature VAV Box Control Graphic:

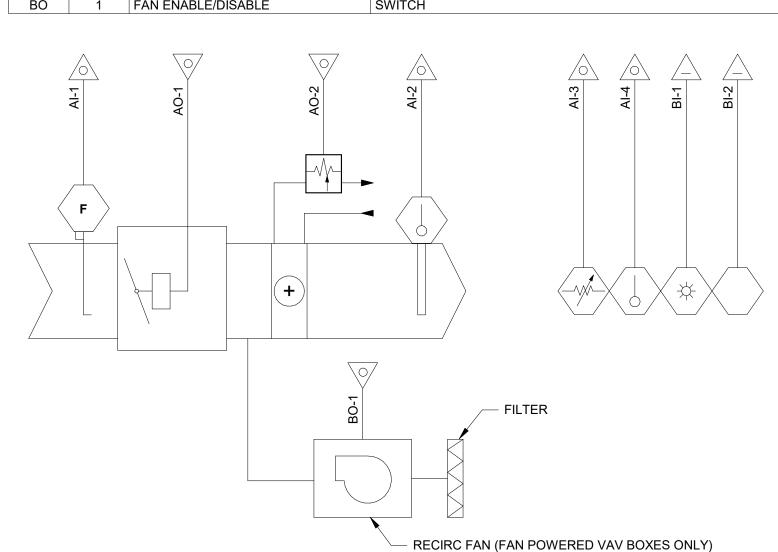


- G. VAV Box System graphic displays the following static and dynamic information:
 - 1. Floor Plan Layout showing set points and space temperatures 2. VAV Box System Graphic.
 - 3. VAV Box Control Sequence Graphic. 4. Room/area served.
- 5. Room occupied/standby/unoccupied state.
- Room temperature.
- WEB reset temperature set point.
- 8. Room temperature set point, occupied.
- 9. Room temperature set points, standby. 10. Room temperature set points, unoccupied.
- 11. Current calculated set point. 12. VAV box discharge air temperature.
- 13. Maximum cooling flow set point. 14. Minimum cooling flow set point.
- 15. Heating flow set point.
- 16. Current air flow set point. 17. Current flow value.
- 18. VAV Box damper position as percent open. 20. Supply Air Static Pressure Reset Signal. 21. Supply Air Temperature Reset Signal.
- H. Additional Notes: 1. Control valve may be two way or three way. See schedule.

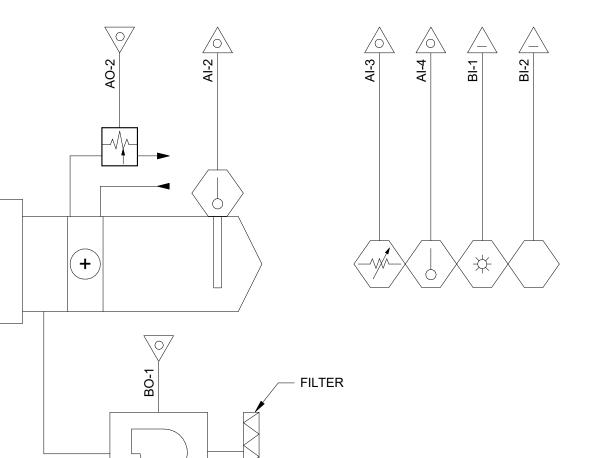
2. Wire occupancy sensor (sensor by division 26).

VAV CONTROL COMPONENTS

POINT	POINT	DESCRIPTION	FIELD DEVICE
TYPE	NO.		
ΑI	1	FLOW	FLOW SENSOR
ΑI	2	SA TEMP	DUCT TEMPERATURE SENSOR
Al	3	SPACE TEMP	SPACE TEMPERATURE SENSOR
Al	4	SET POINT ADJUST	W/ SPACE TEMPERATURE SENSOR
AO	1	DAMPER CONTROL	DAMPER ACTUATOR
AO	2	VALVE CONTROL	ACTUATOR
BI	1	OCCUPANCY	OCCUPANCY SENSOR
BI	2	OCCUPANCY	CO2 SENSOR - FOR APPLICABLE VAV BOXES
BI	2	FAN STATUS	CT RELAY



1 VAV BOX (TYPICAL)
SCALE: NTS



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BID SET 27 October 2023

MECHANICAL CONTROLS -MISC. **EQUIPMENT**

M702

2 EXHAUST FAN CONTROL DIAGRAM SCALE: NTS

EXHAUST FAN CONTROL

2. NOTE: POINTS SUMMARY INCLUDES POINTS ANTICIPATED FOR OPERATION OF FANS. NOT ALL POINTS APPLY TO ALL FANS, NOR IS THE LIST EXHAUSTIVE.

PROVIDE ANY CONTROL POINTS NECESSARY TO ACCOMPLISH FUNCTION.

FIELD DEVICE

DAMPER ACTUATOR

DAMPER ACTUATOR

1. EXHAUST FAN EF-1 & 2 SERVING INCLUSIVE RESTROOM TO RUN CONSTANTLY DURING OPERATIONAL HOURS (ADJ). INTERLOCK FAN WITH ASSOCIATED BACKDRAFT DAMPER AT POINT OF INLINE FAN WITH OPERATION

OF FAN (DAMPER TO BE OPEN WHEN FAN IS OPERATING).

EXHAUST FAN CONTROLLER MINIMUM POINTS LIST

DESCRIPTION

AI 1 SUPPLY AIR TEMPERATURE THERMOSTAT

AI 2 SPARE

BI 4 SPARE

BO 1 EF DISABLE/ENABLE
BO 2 BACKDRAFT DAMPER
BO 3 BACKDRAFT DAMPER
BO 4 SPARE

MISC.	SYMBOL LEGEND
SYMBOL	DESCRIPTION
# SHEET	DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
# SHEET	ELEVATION OR SECTION INDICATOR, EXTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
100	ROOM OR SPACE NUMBER.
1	KEYNOTE INDICATOR.
	REVISION INDICATOR.
CU-1	EQUIPMENT INDICATOR.
P-	PLUMBING FIXTURE INDICATOR.
TYPE CFM SIZE	DIFFUSER/GRILLE INDICATOR.
TYPE SIZE	DIFFUSER/GRILLE INDICATOR.
	BREAK, STRAIGHT
5	BREAK, ROUND.
	MATCH LINE INDICATOR
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE.
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
	NEW CONNECTION POINT TO EXISTING

PLUMBIN	G SYMBOL LEGEND
SYMBOL	DESCRIPTION
C.B.	CATCH BASIN
M.H.	MANHOLE
———— W.H.	WALL HYDRANT
Н.В.	HOSE BIBB
—ф	CLEANOUT TO GRADE
—ф	FLOOR CLEANOUT
——	WALL CLEANOUT
	1/2 GRATE
	3/4 GRATE
	FULL GRATE

	SOIL, WASTE - ABOVE GRADE (SW)
	SOIL, WASTE - BELOW GRADE (SW)
GW	GREASE WASTE - ABOVE GRADE
	GREASE WASTE - BELOW GRADE
	VENT (V)
	ACID VENT
AW	ACID WASTE - ABOVE GRADE
AW	ACID WASTE - BELOW GRADE
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RECIRC (DHWR)
180	180°F HOT WATER
180R	180° HOT WATER RETURN
160-	160° HOT WATER RETORN
160R	
	160° HOT WATER RETURN
	RAINWATER - ABOVE GRADE
	RAINWATER - BELOW GRADE SECONDARY RAINWATER
SRW	ABOVE GRADE SECONDARY RAINWATER
——————————————————————————————————————	BELOW GRADE
SD	STORM DRAIN
VTR	VENT THRU ROOF
	NON POTABLE WATER
(E)	EXISTING PIPE
——(E)——	EXISTING PIPE TO BE REMOVED
IW	IRRIGATION WATER
SS	SANITARY SEWER
W	WATER
PWS	PURE WATER SUPPLY
PWR	PURE WATER RETURN
G	GAS
———FP———	FIRE PROTECTION
LPG	PROPANE
VAC	VACUUM
————A————	COMPRESSED AIR
MA	MEDICAL AIR
o	OXYGEN
NO	NITROUS OXIDE
N	NITROGEN
CO2	CARBON DIOXIDE
EVAC	EVACUATION

PLUMBING PIPING LEGEND

DESCRIPTION

— CWV— COMBINATION WASTE AND VENT

SYMBOL

	SYMBOL LEGEND
SYMBOL	DESCRIPTION C. METERS, AND CALLOES
	S, METERS, AND GAUGES
NT4	SHUT OFF VALVE
<u> </u>	GATE VALVE
	CHECK VALVE
	AUTO 2-WAY VALVE
	AUTO 3-WAY VALVE
	GLOBE VALVE
Ф	BALL VALVE
赵	RELIEF VALVE
N	CHAIN OPERATED GATE VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
S	SOLENOID VALVE
	ANGLE VALVE
	VENTURI
\boxtimes	BALANCING OR PLUG COCK
\boxtimes	FLOW SETTER
\otimes	EXPANSION VALVE (REFRIG.)
$\overline{}$	GAS COCK
 Xmav	MANUAL AIR VENT
	STRAINER
У	GAUGE COCK
	FLEXIBLE CONNECTION
<u></u> φ	PRESSURE GAUGE
<u> </u>	THERMOMETER
<u>Ч</u> П	VICTUALIC COUPLING
	REDUCER CONCENTRIC
·	
	REDUCER ECCENTRIC
<u></u>	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
<u> </u>	90 DEG ELBOW UP
	90 DEG ELBOW DOWN
<u> </u>	90 DEG TEE UP
	90 DEG TEE DOWN
	UNION
	CAPPED PIPE
	ANCHOR
	FLOAT AND THERMOSTATIC TRAP

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

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.

ABBREVIATIONS NOTE: ALL ABBREVIATIONS MAY NOT BE USED. **EXISTING FUTURE** ACCESS DOOR AIR COND AIR CONDITION(-ING,-ED) AIR PRESSURE DROP BALANCING DAMPER BRAKE HORSE POWER BTU BRITISH THERMAL UNIT BTUH BTU/HOUR CFH CUBIC FEET PER HOUR CFM **CUBIC FEET PER MINUTE** COND CONDENS(-ER, -ING, -ATION) CONTROL VALVE DRY BULB TEMPERATURE DCW DOMESTIC COLD WATER DHW DOMESTIC HOT WATER DHWR DOMESTIC HOT WATER RECIRC DEPTH OR DEEP EXHAUST AIR EER **ENERGY EFFICIENCY RATIO** EFF **EFFICIENCY** ELEC ELECTRIC ELEV **ELEVATION** ENT ENTERING EVAP EVAPORAT(-E, -ING, -ED, -OR) EWT ENTERING WATER TEMPERATURE EXT EXTERNAL FLEXIBLE CONNECT(-OR, -ION) FIRE DAMPER l FLA FULL LOAD AMPS FINS PER INCH FEET PER MINUTE FPS FEET PER SECOND FSD FIRE SMOKE DAMPER GREASE EXHAUST GPH **GALLONS PER HOUR** GPM GALLONS PER MINUTE HEAD HG MERCURY HORSEPOWER HOUR HEIGHT HEATING HERTZ (FREQUENCY) **INSIDE DIAMETER** INCH KILOWATT LEAVING AIR TEMPERATURE LBS POUNDS LENGTH LATENT HEAT LRA LOCKED ROTOR AMPS LVG LEAVING LWT LEAVING WATER TEMPERATURE THOUSAND BTU PER HOUR MCA MINIMUM CIRCUIT AMPS MFR MANUFACTUR(-ER, -ED) NORMALLY CLOSED NOISE CRITERIA NOT IN CONTRACT NORMALLY OPEN NPSH NET POSITIVE SUCTION HEAD NTS NOT TO SCALE OUTSIDE AIR OD OUTSIDE DIAMETER OUNCE PRESSURE DROP OR DIFFERENCE PROPOLENE GLYCOL PPM PARTS PER MILLION PRESS PRESSURE PSF POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH

PSI ABSOLUTE

THERMAL RESISTANCE

PSI GAUGE

RETURN AIR

RECIRCULATE

REQUIRED

SUPPLY AIR

REFRIGERATION

RATED LOAD AMPS

SOFT COLD WATER

STATIC PRESSURE

TRANSFER AIR (RETURN)

TRANSFER AIR (SUPPLY)

TEMP. DROP OR DIFF.

VARIABLE AIR VOLUME

VENT, VENTILATION

WET BULB TEMP

WATER COLUMN

WATER GAUGE

VELOCITY TEMPERATURE

WATER PRESSURE DROP

VARIABLE FREQUENCY DRIVE

SPECIFICATION(S)

SAFETY FACTOR

SENSIBLE HEAT

SEA LEVEL

SQUARE

STANDARD

STEAM VENT

SOIL, WASTE

TEMPERATURE

THERMOSTAT

THERMAL

TOTAL

VOLT VENT

VACUUM

VELOCITY

VERTICAL

VOLUME

WEIGHT

WATER

REVOLUTIONS PER MINUTE

STANDARD CUBIC FEET PER MINUTE

SHADING COEFFICIENT

PSIG

RECIRC

REFR

REQD

RLA

RPM

SCFM

SCW

SPEC(S)

STD

SW

TA(R)

TA(S)

TEMP

TOT

VAV

VEL

VEL

VENT

VERT

VFD

VOL

WG

WPD

WTR

WT

TSTAT

THERM

ENGINEER.

PLUMBING GENERAL NOTES THE PLUMBING DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT AND EXTENT OF THE PLUMBING SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS. THESE DRAWINGS DO NOT SHOW ALL OFFSETS. BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES,

THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS

THOUGH SHOWN AND CALLED OUT IN BOTH. THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE,

WEIGHTS, QUANTITIES OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN

PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT. THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO ANY CODES, RULES,

PRIOR TO FABRICATION AND INSTALLATION OF ANY PLUMBING COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING WORK WITH ALL OTHER BUILDING TRADES. INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.

REGULATIONS AND REQUIREMENTS OF THE BUILDING OWNER.

ALL PLUMBING INFORMATION IS NOT SHOWN ON THE PLUMBING DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW AND USE. WHERE APPROPRIATE, ALL THE PLUMBING DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE PLUMBING SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ANY PART OF THE PLUMBING INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

PROVIDE PROPER PROVISIONS FOR EXPANSION, CONTRACTION, OR MOVEMENT OF ALL PIPING.

10 PROVIDE LARGE ENOUGH PIPE SLEEVES THROUGH WALL OR FLOOR TO ALLOW FOR ANTICIPATED DIFFERENTIAL MOVEMENT.

11 ALL PIPING SHALL BE SUPPORT WITH CLEVIS HANGERS (MSS TYPE 1). PERFORATED METAL STRAPS OR PLASTIC STRAPPING (PLUMBER TAPE) SHALL NOT BE USED TO SUPPORT OR BRACE ANY PIPE.

12 PROVIDE PIPE HANGERS WITHIN 18-INCHES OF ALL CHANGES OF DIRECTION.

13 PROVIDE SWAY BRACING FOR ALL PIPING 4" AND LARGER AT ALL CHANGES IN DIRECTION GREATER THAN 45-DEGREES.

14 ALL STEEL CLEVIS HANGERS USED TO SUPPORT COPPER PIPING SHALL BE COPPER OR PLASTIC COATED.

15 COPPER PIPING SHALL NOT COME IN CONTACT WITH FIRE TREATED LUMBER. PROVIDE 1/2" THICK SLIP-ON CLOSED CELL INSULATION WHERE COPPER PIPING IS ADJACENT TO FIRE TREATED LUMBER. CLOSED CELL INSULATION SHALL EXTEND A MINIMUM OF 1-1/2" PAST LUMBER.

16 ALL EXPOSED PIPING SHALL BE INSTALLED IN A NEATLY ARRANGED MANNER PARALLEL TO THE BUILDING STRUCTURE.

17 ALL EXPOSED DOMESTIC WATER PIPE IN OCCUPIED SPACES SHALL BE POLISHED CHROME PLATED.

18 ALL EXPOSED DRAINAGE PIPING IN OCCUPIED SPACES INCLUDING TRAPS UNDER SINKS SHALL BE POLISHED CHROME PLATED.

19 DRAWINGS SHOW GENERAL ARRANGEMENT OF THE DRAIN WASTE AND VENT

SYSTEM WITH THE REQUIRED CLEANOUTS. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL CLEANOUTS AS REQUIRED BY THE PLUMBING CODE.

20 ALL SANITARY DRAINAGE SYSTEM PIPING 3" AND LARGER SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/8" PER FOOT.

21 ALL SANITARY DRAINAGE SYSTEM PIPING SMALLER THAN 3" SHALL BE SLOPED IN

DIRECTION OF FLOW AT A MINIMUM OF 1/4" PER FOOT. 22 SLOPE VENT SYSTEM TOWARDS DRAINAGE SYSTEM.

23 SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.

24 ALL EQUIPMENT SHALL PROVIDE THE SCHEDULED PERFORMANCE AT THE JOB SITE ELEVATION.

25 FIXTURE AND EQUIPMENT MODEL NUMBERS SHOWN IN PLUMBING FIXTURE SCHEDULE AND PLUMBING EQUIPMENT SCHEDULE ARE SHOWN TO ESTABLISH THE TYPE OF PRODUCT THAT SHALL BE USED. THE SELECTED PRODUCT SHALL MEET THE SCHEDULED PERFORMANCE DATA SHOWN ON THE SCHEDULE EVEN IF A DIFFERENT MODEL IS SUPPLIED THAT IS DIFFERENT THAN THAT SCHEDULED.

26 ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY FITTINGS, TRANSITIONS, VALVES AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.

27 SEE "PLUMBING FIXTURE SCHEDULE" FOR INDIVIDUAL TRAPS, WASTE, VENT, AND DOMESTIC WATER PIPING FOR INDIVIDUAL FIXTURES.

28 ALL PLUMBING EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED

TESTING AGENCY. 29 FIXTURES, EQUIPMENT AND PIPING INSTALLATION SHALL MEET NSF STANDARDS.

PLUMBING SHEET INDEX

PLUMBING COVER SHEET PD102 SECOND FLOOR PLUMBING DEMOLITION PLAN - INCLUSIVE RESTROOM SECOND FLOOR PLUMBING DEMOLITION - SECTION VIEW

SECOND FLOOR PLUMBING PLAN - INCLUSIVE RESTROOM SECOND FLOOR PLUMBING - SECTION VIEW

SECOND FLOOR PLUMBING - SECTION VIEW PLUMBING SCHEDULES

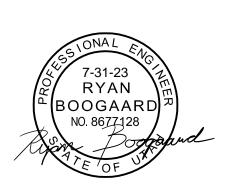
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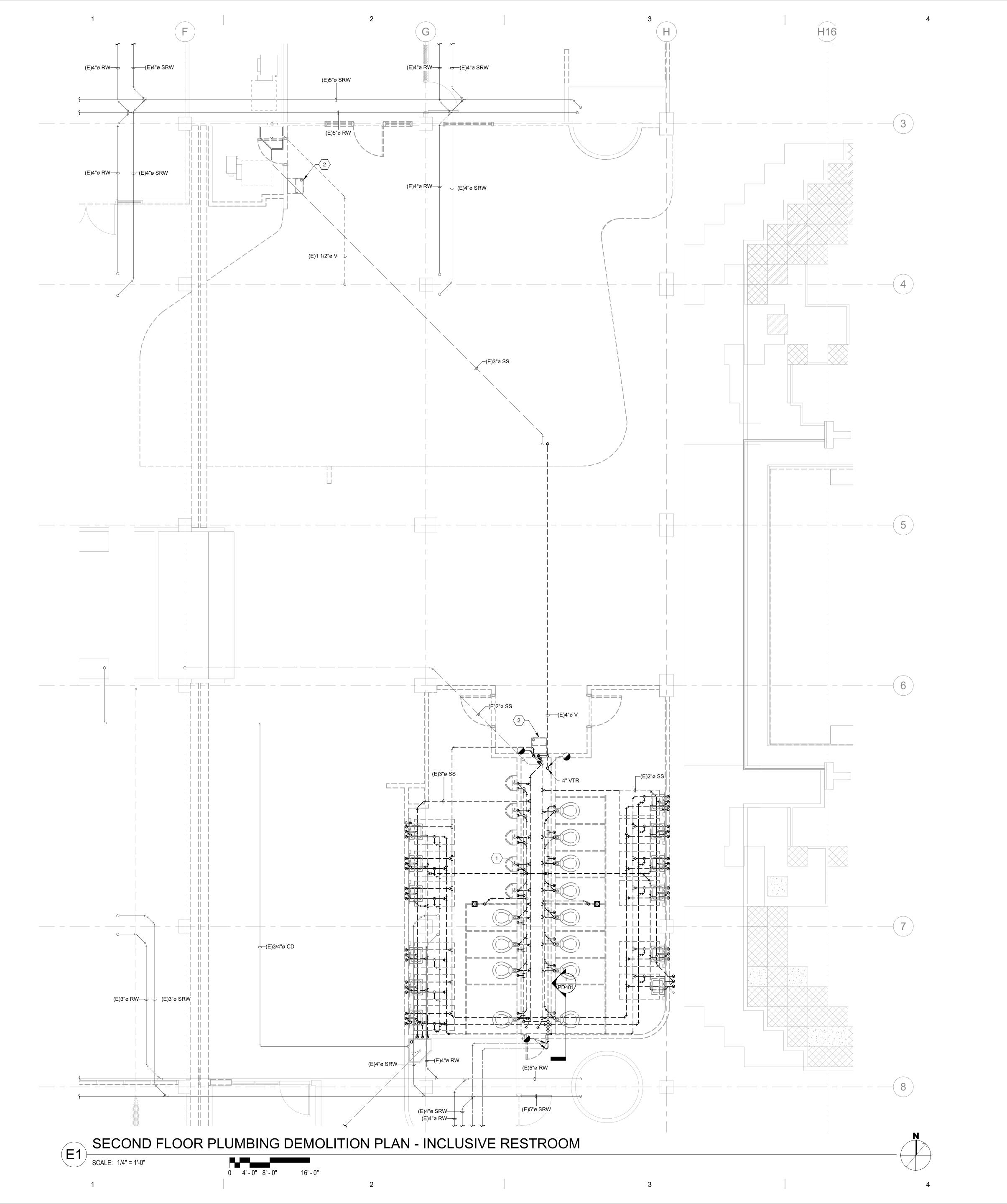
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27 October 2023

E PLUMBING **COVER SHEET**



○ SHEET KEYNOTES

- REMOVE EXISTING 4" VTR. PATCH AND SEAL ROOF PENETRATION PER ROOF MANUFACTURES WARRANTY REQUIREMENTS.
- REMOVE EXISTING DRINKING FOUNTAIN. SALVAGE AND RELOCATE AS INDICATED ON SHEET PL102.



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PLUMBING GENERAL NOTES

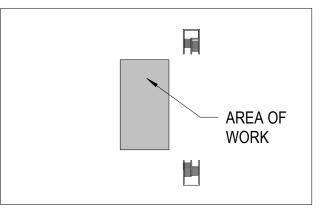
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KEY PLAN SECOND FLOOR PLAN



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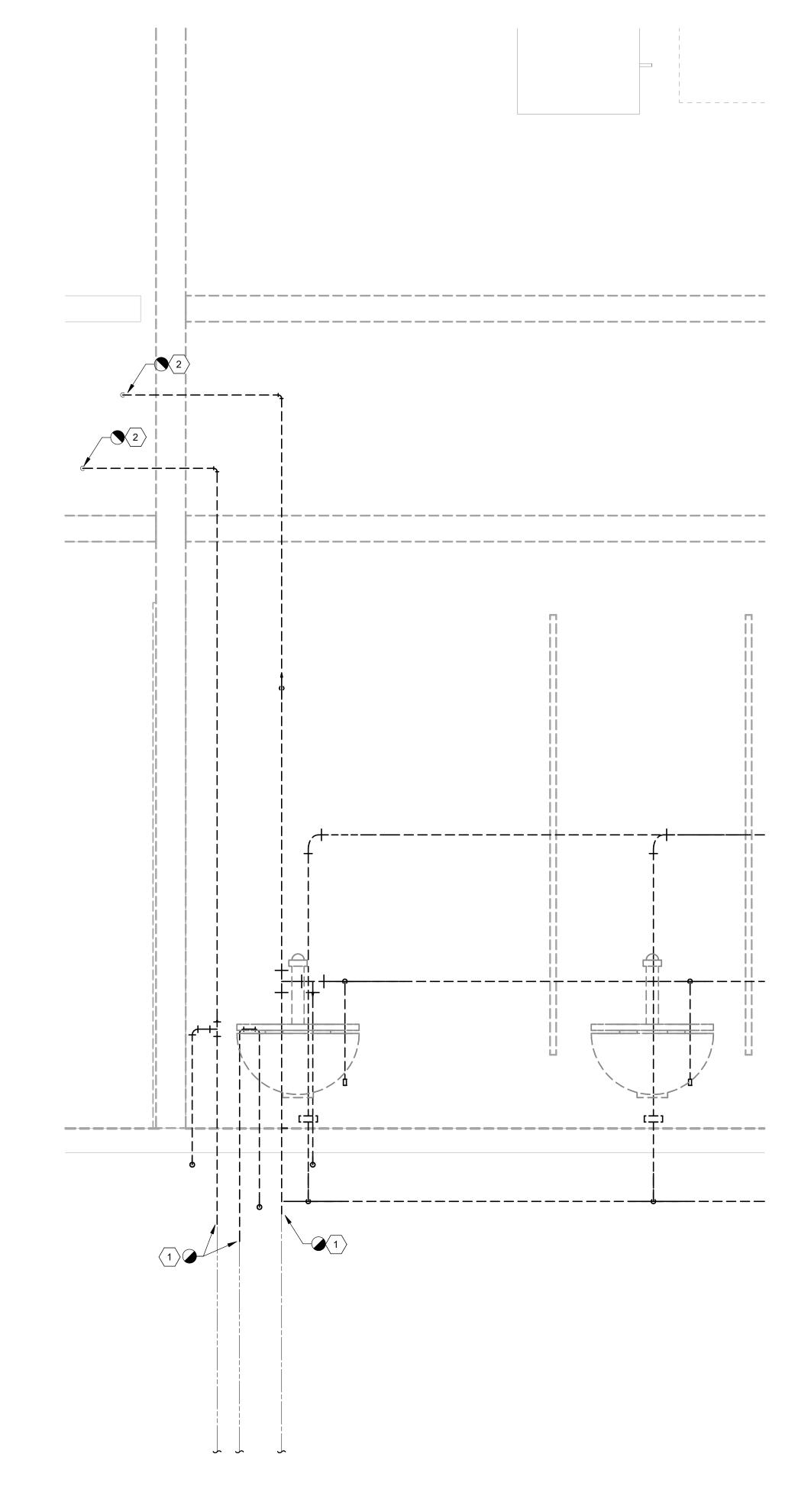
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CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE. NO.△ DATE DESCRIPTION

BID SET 27 October 2023

SECOND FLOOR **PLUMBING** DEMOLITION PLAN - INCLUSIVE RESTROOM

PD102



UNDERSLAB WATER DEMO SECTION VIEW SCALE: 1" = 1'-0"

⇒ SHEET KEYNOTES

- REMOVE EXISTING DCW, DHW AND DHWR LINES BELOW CRAWL SPACE THROUGHOUT RESTROOMS.
- REMOVE EXISTING DCW AND DHW LINES THROUGH CHASE TO CEILING OF JANITORS CLOSET.



ARCHITECTS

MHTN Architects, Inc. 280 South 400 West Suite 250 Salt Lake City, Utah 84101 Telephone (801) 595-6700 www.mhtn.com

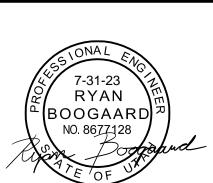


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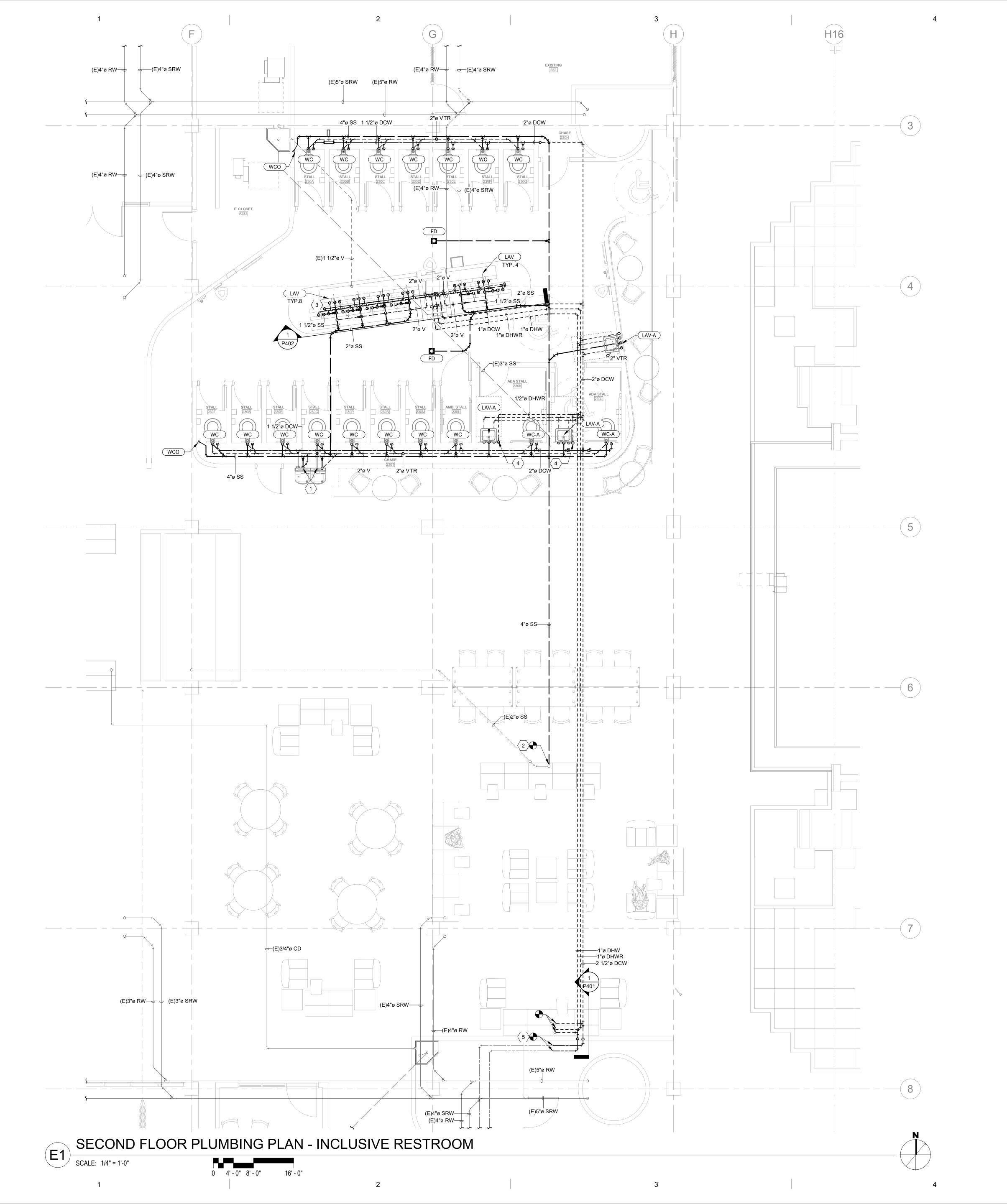
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LAST REVISION DATE. NO.△ DATE DESCRIPTION

27 October 2023

SECOND FLOOR PLUMBING **DEMOLITION -SECTION VIEW**

PD401



☐ SHEET KEYNOTES

- 1 CONNECT SALVAGED DRINKING FOUNTAIN TO NEW DOMESTIC COLD AND WASTE LINES TO BRANCHES SERVING RESTROOM.
- CONNECT NEW SANITARY SEWER LINE TO EXISTING MAIN WITHIN CRAWL
- PLUMBER TO ROUTE WASTE LINES BETWEEN STUBS AS NEEDED TO DISTRIBUTE WATER. NO STUDS OR BEAMS TO BE CUT TO FIT WASTE PIPING.
 FLOW SETTER / THERMOSTATIC MIXING VALVE. SET TO 0.5 GPM. EXTEND
- RECIRCULATION PIPING TO LEVEL OF STOP VALVES. SEE DETAIL.

 5 RECONNECT EXISTING SINK TO NEW MAINS IN CRAWL SPACE.



ARCHITECTS

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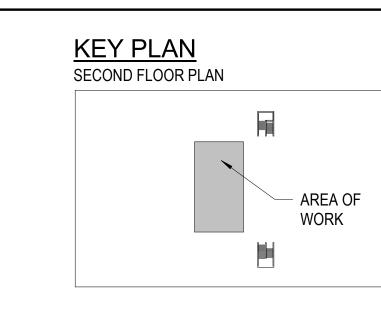
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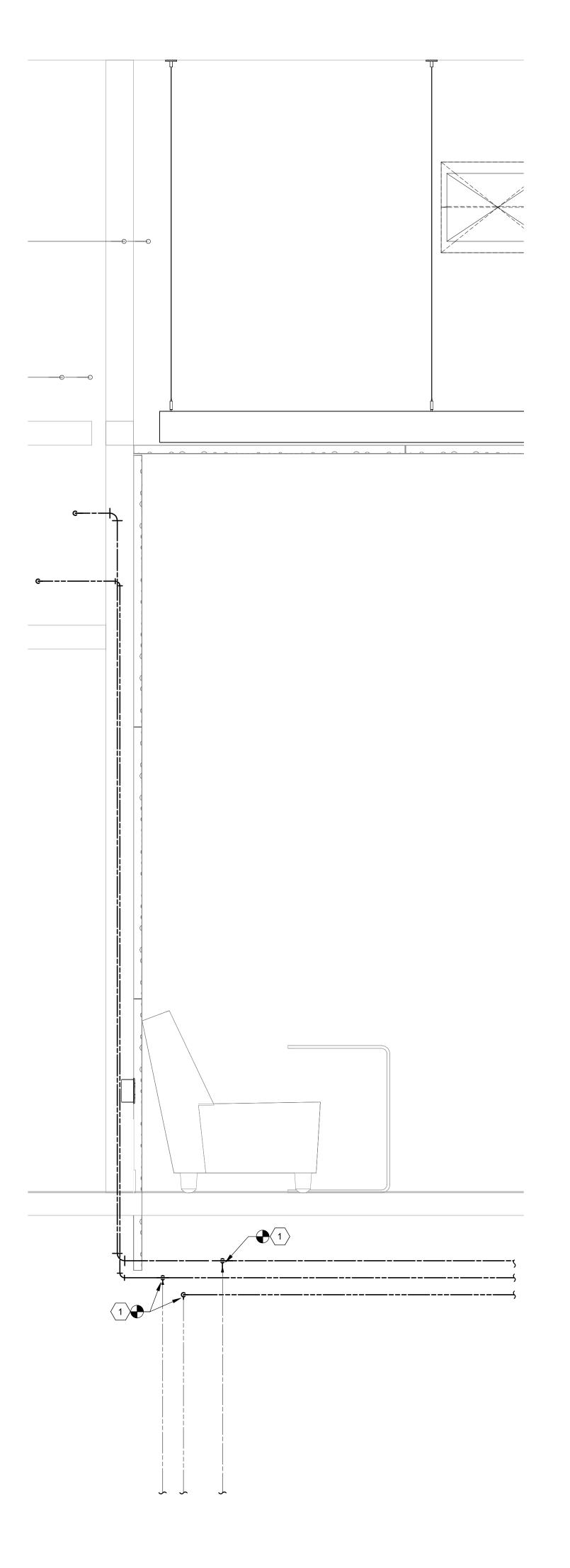
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NO.△ DATE DESCRIPTION
1 09/29/2023 REVISION #1
2 10/20/2023 RESPONSE TO SECOND REVIEW
COMMENTS

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BID SET
27 October 2023

SECOND FLOOR
PLUMBING PLAN INCLUSIVE
RESTROOM



UNDERSLAB WATER CONNECTION SECTION VIEW

SCALE: 1" = 1'-0"

☐ SHEET KEYNOTES

~

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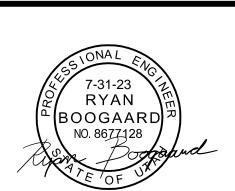
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- 20 ALL SANITARY DRAINAGE SYSTEM PIPING 3" AND LARGER SHALL BE SLOPED IN DIRECTION OF FLOW AT A MINIMUM OF 1/8" PER FOOT.
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- 29 FIXTURES, EQUIPMENT AND PIPING INSTALLATION SHALL MEET NSF STANDARDS.

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RESTROOM ADDITION

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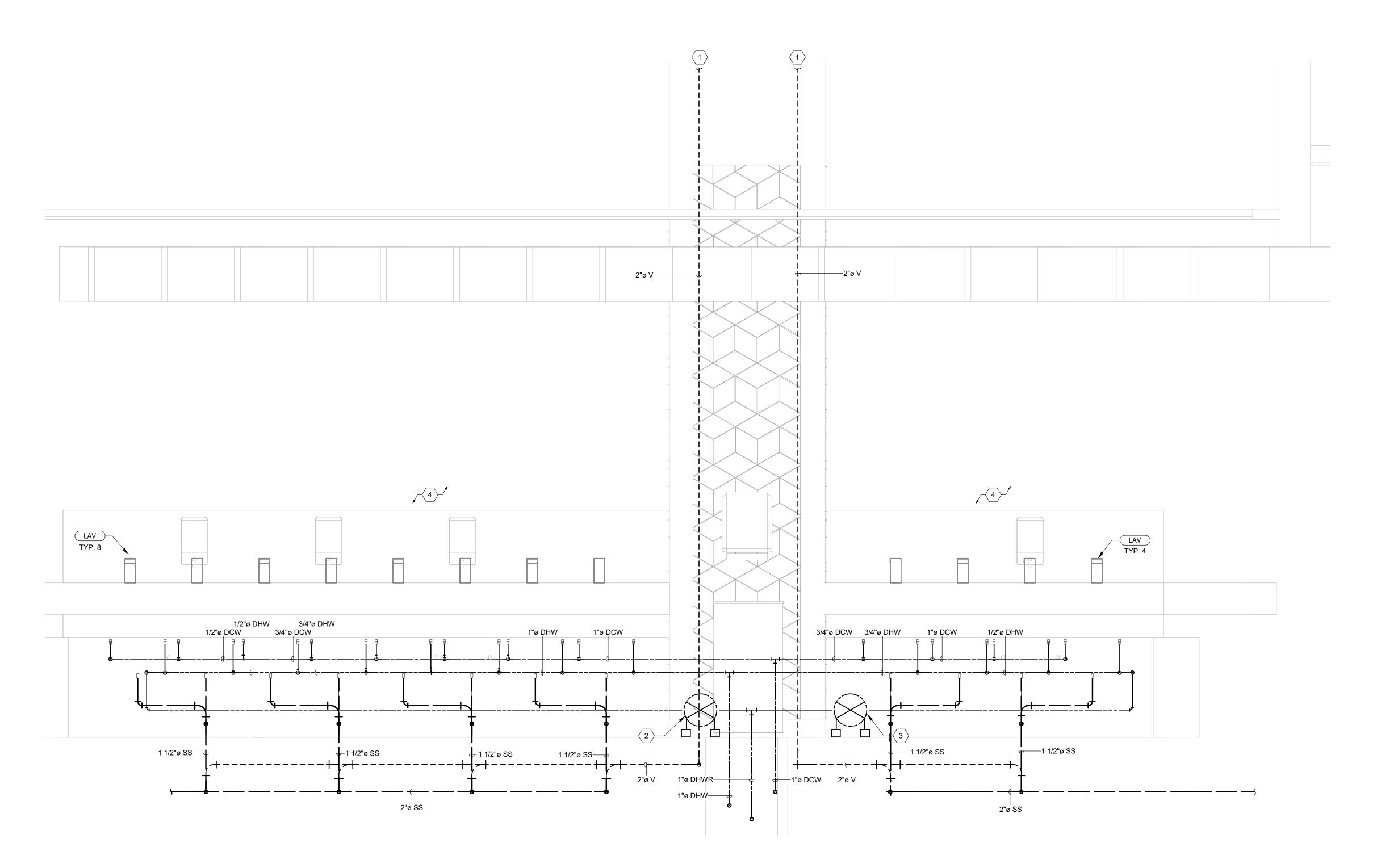
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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT
LAST REVISION DATE.

NO. DATE DESCRIPTION

BID SET
27 October 2023

E SECOND FLOOR
PLUMBING SECTION VIEW



1 INCLUSIVE RESTROOM LAVATORY PIPING PLAN
SCALE: 1" = 1'-0"

○ SHEET KEYNOTES

1 ROUTE VENT LINE TO ROOF. PATCH AND SEAL ROOF PENETRATION PER ROOF MANUFACTURES WARRANTY REQUIREMENTS. VENTS TO MAINTAIN 10' FROM ALL FRESH AIR INTAKES.

- 2 BALANCE FLOW RATE TO 4 GPM.
- 3 BALANCE FLOW RATE TO 2 GPM.
- 4 PLUMBER TO ROUTE WASTE LINES BETWEEN STUBS AS NEEDED TO DISTRIBUTE WATER. NO STUDS OR BEAMS TO BE CUT TO FIT WASTE PIPING.



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PLUMBING GENERAL NOTES

THE PLUMBING DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT AND EXTENT OF THE PLUMBING SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.

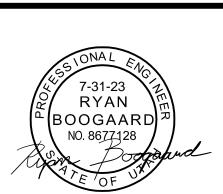
- 2 THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
- 3 THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND REGULATIONS IN EFFECT.
- 4 THE ENTIRE PLUMBING INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS OF THE BUILDING OWNER.
- 5 PRIOR TO FABRICATION AND INSTALLATION OF ANY PLUMBING COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
- 6 ALL PLUMBING INFORMATION IS NOT SHOWN ON THE PLUMBING DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS.
- 7 THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW AND USE, WHERE APPROPRIATE, ALL THE PLUMBING DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE PLUMBING SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 8 ANY PART OF THE PLUMBING INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 9 PROVIDE PROPER PROVISIONS FOR EXPANSION, CONTRACTION, OR MOVEMENT OF ALL PIPING.
- 10 PROVIDE LARGE ENOUGH PIPE SLEEVES THROUGH WALL OR FLOOR TO ALLOW FOR ANTICIPATED DIFFERENTIAL MOVEMENT.
- 11 ALL PIPING SHALL BE SUPPORT WITH CLEVIS HANGERS (MSS TYPE 1).
 PERFORATED METAL STRAPS OR PLASTIC STRAPPING (PLUMBER TAPE) SHALL
 NOT BE USED TO SUPPORT OR BRACE ANY PIPE.
- 12 PROVIDE PIPE HANGERS WITHIN 18-INCHES OF ALL CHANGES OF DIRECTION.
- 13 PROVIDE SWAY BRACING FOR ALL PIPING 4" AND LARGER AT ALL CHANGES IN DIRECTION GREATER THAN 45-DEGREES.
- 14 ALL STEEL CLEVIS HANGERS USED TO SUPPORT COPPER PIPING SHALL BE COPPER OR PLASTIC COATED.
- 15 COPPER PIPING SHALL NOT COME IN CONTACT WITH FIRE TREATED LUMBER. PROVIDE ½" THICK SLIP-ON CLOSED CELL INSULATION WHERE COPPER PIPING IS ADJACENT TO FIRE TREATED LUMBER. CLOSED CELL INSULATION SHALL EXTEND A MINIMUM OF 1-1/2" PAST LUMBER.
- 16 ALL EXPOSED PIPING SHALL BE INSTALLED IN A NEATLY ARRANGED MANNER PARALLEL TO THE BUILDING STRUCTURE.
- 17 ALL EXPOSED DOMESTIC WATER PIPE IN OCCUPIED SPACES SHALL BE POLISHED CHROME PLATED.
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VCLUSIVE KESIKO 800 S REDWOOD ROAD

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NO. DATE DESCRIPTION

BID SET
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E SECOND FLOOR
PLUMBING SECTION VIEW

LABEL	DESCRIPTION	WASTE	TRAP	VENT	CW	HW	MANUFACTURER	MODEL	REMARKS
EWC	BI-LEVEL ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1 1/2"	1/2"	0"	FIXTURE: EXISTING	FIXTRUE: EXISTING	EXISTING TO BE RELOCATED
-D	FLOOR DRAIN	2"	2"	2"	0"	0"	FIXTURE: ZURN TRAP SEAL: RECTORSEAL	FIXTURE: Z415-BZ1 TRAP SEAL: SURESEAL	TRAP SEAL TO MATCH FD SIZE
_AV	COUNTERTOP LAVATORY	1 1/4"	1 1/4"	1 1/2"	1/2"	1/2"	FIXTURE: BY ARCHITECTURE FAUCET: MOEN INSULATION: TRUEBRO TMV: WEBSTONE	FIXTURE: BY ARCHITECTURE FAUCET: 8553 SERIES INSULATION: LAVGUARD 2 TMV: H-77211W-TG	SET TMV AT 110 DEG. F. PROVIDE P TRAP
_AV-A	WALL MOUNTED LAVATORY (ACCESSIBLE)	1 1/4"	1 1/4"	1 1/2"	1/2"	1/2"	FIXTURE: KOHLER FAUCET: MOEN INSULATION: TRUEBRO TMV: WEBSTONE	FIXTURE: K-1728 FAUCET: 8553 SERIES INSULATION: LAVGUARD 2 TMV: H-77211W-TG	MOUNT AT ADA HEIGHT SET TMV AT 110 DEG. F.
NC	WALL MOUNT FLUSH VALVE WATER CLOSET	3"	INT.	2"	1 1/2"	0"	FIXTURE: KOHLER FLUSH VAVLE: ZURN SEAT: BEMIS	FIXTURE: K-4325-SS FLUSH VALVE: ZER6000-CP-WS1 SEAT: 1955CTJ	
VC-A	WALL MOUNT FLUSH VALVE WATER CLOSET (ACCESSIBLE)	3"	INT.	2"	1 1/2"	0"	FIXTURE: KOHLER FLUSH VAVLE: ZURN SEAT: BEMIS	FIXTURE: K-4325-SS FLUSH VALVE: ZER6000-CP-WS1 SEAT: 1955CTJ	
VCO	WALL CLEANOUT	4"		0"	0"	0"	FIXTURE: ZURN	FIXTURE: Z1440	SIZE TO MATCH PIPE BEING SERVED

FLUID OPERATING	INSUL	ATION CONDUCTIVITY		NOM	INAL PIPE SIZE (inches)	
TEMPERATURE RANGE AND USAGE (F)	CONDUCTIVITY (BTU / IN.)	MEAN RATING TEMPERATURE (F)	<1	1 to < 1 1/2	1 1/2 to < 4	4 to < 8	>
251 - 350	0.29 - 0.32	200	3.0	4.0	4.5	4.5	4.
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.
< 40	0.20 - 0.26	50	0.5	1.0	1.0	1.0	1.

1. FOR PIPING SMALLER THAN 1 1/2" INCHES AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKENESS BY 1" SHALL BE PERMITTED, BUT NOT TO A THICKNESS LESS THAN 1 INCH.

2. FOR DIRECT-BURIED HEATING AND HOT WATER PIPING, REDUCTION OF THICKNESSES BY 1 1/2" SHALL BE PERMITTED, BUT NOT LESS

PIPE INS	SULATION	ON REQUIREMENTS
SERVICE	PIPE SIZE	PIPE INSULATION MATERIAL
DOMESTIC COLD WATER	ALL	1" PREFORMED FIBERGLASS WITH ALL SERVICE JACKET
DOMESTIC HOT WATER	ALL	PREFORMED PVC FITTING COVERS

WA	TER I	JAN	ME	R ARRESTER SCHEDULE
ACCEPTA	BLE MANUFAC	CTURERS:		NOTES:
MIFAB "MWH" PPP "SC"				(1) ANSI / ASSE 1010 LISTED (2) LEAD FREE CONSTRUCTION (3) COPPER TUBE BODY; POLY PISTON, EDPM O-RING (4) MIP THREADED INLET
SYMBOL	INLET SIZE (INCHES)	PDI SYMBOL	CAPACITY (DFU)	BASIS OF DESIGN MANUFACTURER & MODEL
WHA-A	1/2	А	1-11	SIOUX CHIEF 652-A
WHA-B	3/4	В	12-32	SIOUX CHIEF 653-B
WHA-C	1	С	22-60	SIOUX CHIEF 654-C
WHA-D	1	D	61-113	SIOUX CHEIF 655-D
WHA-E	1	E	114-154	SIOUX CHIEF 656-E
WHA-F	1	F	155-330	SIOUX CHIEF 657-F

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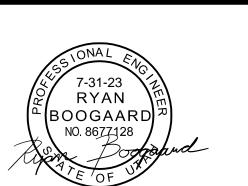
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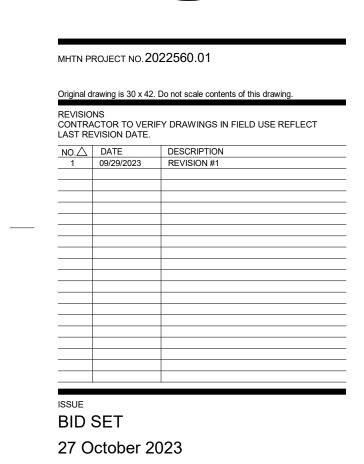
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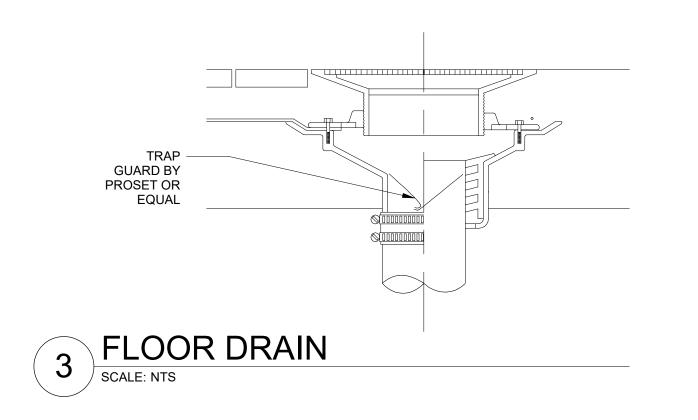
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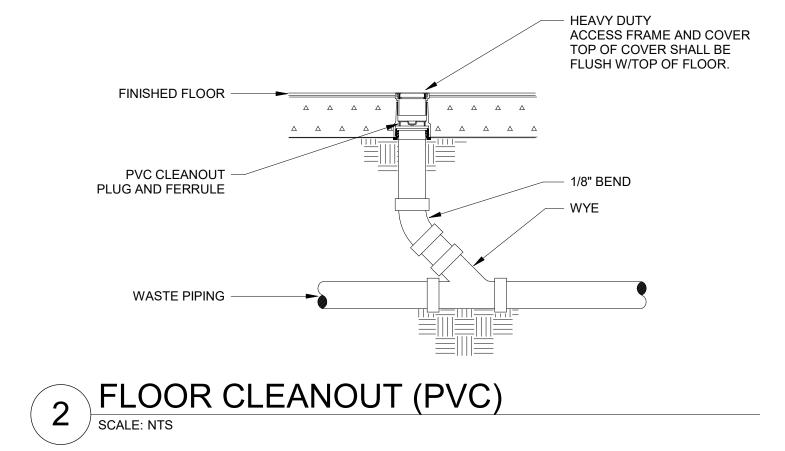


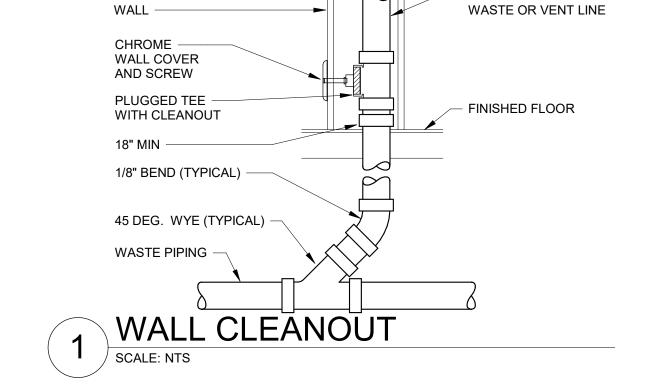


PLUMBING SCHEDULES

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## INTERRUPTER: NEMA 5-20R. ## RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R. ## RECEPTACLE, QUADRAPLEX: NEMA 5-20R. ## RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG. ## RECEPTACLE, SINGLE PLEX, WITH USB OUTLET ** LECTRICAL POWER AND DISTRIBUTION DISCONNECT SWITCH, FUSED. DISCONNECT SWITCH, UNFUSED. STARTER, COMBINATION WITH DISCONNECT SWITCH. STARTER OR MOTOR CONTROLLER. PUSHBUTTONS, MOTOR CONTROL. PANELBOARD CABINET, FLUSH MOUNTED. PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION. DATE	₩w	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE":
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PROTECTION.	LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
((-))	\$ST	
	((()))	WIRELESS ACCESS POINIT, ROUGH-IN ONLY

		SYMBOLS LEGEND		ABBRE
	SYMBOL	DESCRIPTION		NOTE: ALL ABBREVI
	LIGHTING		1P 1PH	SINGLE POLE SINGLE-PHASE
	(W-3)		1WAY	ONE-WAY TWO-CONDUCTOR
		FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.	2WAY 3/C	TWO-WAY THREE-CONDUCTOR
	(14/ 0)		3WAY 4OUT	THREE-WAY QUADRUPLE RECEPTACLE
	(W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.	4PDT	OUTLET FOUR-POLE DOUBLE THROW
		FIXTURE 11PE AS SCHEDULED.	4PST 4W	FOUR-POLE SINGLE THROW FOUR-WIRE
	EM	EMERGENCY.	4WAY A	FOUR-WAY ABOVE COUNTER
	↑	EGRESS DIRECTION ARROW (EXIT SIGNS).	AC ADA	ARMORED CABLE AMERICANS WITH DISABILITIES
	\otimes	EXIT SIGN: SINGLE FACE; CEILING MOUNTED	ADJ	ACT ADJACENT
		EXIT SIGN: SINGLE FACE; WALL MOUNTED	AFF AFG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE
	•	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED	AIC	AMPERE INTERRUPTING CAPACITY
	•	EXIT SIGN: DOUBLE FACE; WALL MOUNTED	ALUM AMP	ALUMINUM AMPERE
	LIGHTING (CONTROL	ANN AP	ANNUNCIATOR ACCESS POINT (WIRELESS
	>:	OCCUPANCY SENSOR, DUAL TECHNOLOGY,	AR	DATA) AS REQUIRED
		OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY,	ASC ATS	AMPS SHORT CIRCUIT AUTOMATIC TRANSFER
	*	OMNI-DIRECTIONAL, CEILING.	AV	SWITCH AUDIO VISUAL
	(P)	PHOTOCELL.	AWG BB	AMERICAN WIRE GAGE BUCK-BOOST TRANSFORMER
	(IR)	INFRARED SENSOR.	XFMR C	CEILING MOUNTED
	a,b	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS,	CAT CATV	CATEGORY COMMUNITY ANTENNA
	\$	SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)	СВ	TELEVISION CIRCUIT BREAKER
	DC	DIGITAL LIGHTING DIMMING CONTROLLER	ССВА	CUSTOM COLOR AS SELECTED BY ARCHITECT
	RC		CCTV CF/CI	CLOSED CIRCUIT TELEVISION CONTRACTOR FURNISHED/
		DIGITAL LIGHTING ROOM CONTROLLER LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE	CF/OI	CONTRACTOR INSTALLED CONTRACTOR FURNISHED/
		SCHEDULE / DIAGRAM.	CFBA	OWNER INSTALLED CUSTOM FINISH AS SELECTED
	FIRE ALARI	M	CKT	BY ARCHITECT CIRCUIT
	FSA	FIRE SYSTEM ANNUNCIATOR.	CM CND	CONSTRUCTION MANAGER CONDUIT
=	FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.	CO	CONVENIENCE OUTLET CONTRACTING OFFICER'S
	FPS	FIRE ALARM NOTIFICATION POWER SUPPLY.	CP	REPRESENTATIVE CONTROL PANEL
	СМ	CONTROL MODULE.	CT CTV	CURRENT TRANSFORMER CABLE TELEVISION
.E	ММ	MONITOR MODULE.	CU dBA	COPPER UNIT OF SOUND LEVEL
		FIRE ALARM MANUAL PULL STATION.	DPDT	DOUBLE POLE, DOUBLE THROW
	Р	FIRE ALARM MANUAL PULL STATION.	DS E	DISCONNECT SWITCH ENHANCED
	(S)	DETECTOR, SMOKE.	EA EM	EACH EMERGENCY
		DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.	EMT ENT	ELECTRICAL METALLIC TUBING ELECTRIC NONMETALLIC
	3		EPO	TUBING EMERGENCY POWER OFF
	75	STROBE. SUBSCRIPT INDICATES CANDELA RATING.	EQUIP ER	EQUIPMENT EQUIPMENT ROOM
		ALARM, HORN/SPEAKER, WEATHERPROOF.	EX	EXISTING
	75	ALARM, HORN/STROBE, ONE ASSEMBLY. SUBSCRIPT	F FA	FURNITURE MOUNTED FIRE ALARM
		INDICATES CANDELA RATING.	FCP FLA	FIRE ALARM CONTROL PANEL FULL LOAD AMPS
		SMOKE DAMPER.	FMC FOB	FLEXIBLE METAL CONDUIT FREIGHT ON BOARD
	L SD		FPP FVNR	FIBER PATCH PANEL FULL VOLTAGE
		FIRE AND SMOKE DAMPER.	FVR	NON-REVERSING FULL VOLTAGE REVERSING
Г			GEN GFCI	GENERATOR GROUND FAULT INTERRUPTER
	CO	DETECTOR, CARBON MONOXIDE.	GFP GIG	GROUND FAULT PROTECTION GIGA HERTZ
	75	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.	GND HD	GROUND HEAVY DUTY
	75	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES	HID HOA	HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC
		CANDELA RATING. ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT	HP HPF	HORSE POWER HIGH POWER FACTOR
		INDICATES CANDELA RATING.	HPS HV	HIGH PRESSURE SODIUM HIGH VOLTAGE
₹	SECURITY		HWM	HORIZONTAL WIRE MANAGEMENT
	ACC	ACCESS CONTROL HEADEND EQUIPMENT.	HZ I/O	HERTZ INPUT/ OUTPUT
	SEC	INTRUSION DETECTION HEADEND EQUIPMENT.	IG IMC	ISOLATED GROUND INTERMEDIATE METAL
	#1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.	IN/IS	CONDUIT INSULATED/ ISOLATED
	CR	CARD READER.	IR	INFRARED
	KCR	KEYPAD/CARD READER COMBINATION.	J-BOX kV	JUNCTION BOX KILOVOLT AMPERE
		DOOR CONTACT INDICATOR.	kVA	KILOVOLT AMPERE
-				
_	ES	DOOR ELECTRIC STRIKE FLAGS.		DEFIN
_	EH	DOOR ELECTRIC HINGE/LATCH.		NOTE: ALL DEFINIT

DOOR ELECTRIC POWER TRANSFER DEVICE.

PANIC DURESS SWITCH.

DOOR POWER SUPPLY.

	ABBREVIATIONS			
		NOTE: ALL ABBREVIAT	IONS MA	Y NOT BE USED.
	1P	SINGLE POLE	kVAR	KILOVOLT AMPERE REACTIVE
	1PH	SINGLE-PHASE	kW	KILOWATT
	1WAY	ONE-WAY	kWh	KILOWATT HOUR
	2/C 2WAY	TWO-CONDUCTOR TWO-WAY	LED LFMC	LIGHT EMITTING DIODE LIQUID TIGHT FLEXIBLE METAL
	3/C	THREE-CONDUCTOR		CONDUIT
	3WAY	THREE-WAY	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
	4OUT	QUADRUPLE RECEPTACLE OUTLET	LPS	LOW PRESSURE SODIUM
	4PDT	FOUR-POLE DOUBLE THROW	LRA	LOCKED ROTOR AMPS
	4PST 4W	FOUR-POLE SINGLE THROW FOUR-WIRE	LTG LV	LIGHTING LOW VOLTAGE
	4WAY	FOUR-WAY	MATV	MASTER ANTENNA TELEVISION
	A	ABOVE COUNTER	MAX	SYSTEM MAXIMUM
	AC ADA	ARMORED CABLE AMERICANS WITH DISABILITIES	MC	METAL CLAD
		ACT	MCA MCB	MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER
	ADJ AFF	ADJACENT ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
	AFG	ABOVE FINISHED GRADE	MCP	MOTOR CIRCUIT PROTECTION
	AIC	AMPERE INTERRUPTING CAPACITY	MDP MG	MAIN DISTRIBUTION PANEL MOTOR GENERATOR
	ALUM	ALUMINUM	MH	MANHOLE
	AMP	AMPERE	MIN	MINIMUM
	ANN AP	ANNUNCIATOR ACCESS POINT (WIRELESS	MLO MOCP	MAIN LUGS ONLY MAXIMUM OVERCURRENT
		DATA)		PROTECTION
	AR ASC	AS REQUIRED AMPS SHORT CIRCUIT	MTS NA	MANUAL TRANSFER SWITCH NOT APPLICABLE
	ATS	AUTOMATIC TRANSFER	NC NC	NORMALLY CLOSED
	A > 7	SWITCH	NEC	NATIONAL ELECTRICAL CODE
	AV AWG	AUDIO VISUAL AMERICAN WIRE GAGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS
	ВВ	BUCK-BOOST TRANSFORMER		ASSOCIATION
	XFMR C	CEILING MOUNTED	NFC NFPA	NATIONAL FIRE CODE NATIONAL FIRE PROTECTION
	CAT	CATEGORY		ASSOCIATION
	CATV	COMMUNITY ANTENNA TELEVISION	NIC NL	NOT IN CONTRACT NIGHT LIGHT
	СВ	CIRCUIT BREAKER	NO NO	NORMALLY OPEN
	ССВА	CUSTOM COLOR AS SELECTED	NTS	NOT TO SCALE
	CCTV	BY ARCHITECT CLOSED CIRCUIT TELEVISION	OC OCP	ON CENTER OVER CURRENT PROTECTION
	CF/CI	CONTRACTOR FURNISHED/	OE	OWNER ELECTRONICS
	CF/OI	CONTRACTOR INSTALLED CONTRACTOR FURNISHED/	OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
		OWNER INSTALLED	OF/OI	OWNER FURNISHED/ OWNER
	CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OFP	INSTALLED OBTAIN FROM PLANS
	СКТ	CIRCUIT	OFF OH DR	OVERHEAD (COILING) DOOR
	CM CND	CONSTRUCTION MANAGER CONDUIT	OL	OVERLOAD
	CO	CONVENIENCE OUTLET	PB PF	PUSHBUTTON POWER FACTOR
	COR	CONTRACTING OFFICER'S REPRESENTATIVE	PH	PHASE
	CP	CONTROL PANEL	PNL	PANEL
	СТ	CURRENT TRANSFORMER	PNM PR	PLENUM PAIR
	CTV CU	CABLE TELEVISION COPPER	PS	POWER SUPPLY
	dBA	UNIT OF SOUND LEVEL	PT PTZ	POTENTIAL TRANSFORMER PAN/TILT/ZOOM
	DPDT	DOUBLE POLE, DOUBLE THROW	QTY	QUANTITY
	DS	DISCONNECT SWITCH	R	REMOVE
	E	ENHANCED	RCP RMC	REFLECTED CEILING PLAN RIGID METAL CONDUIT
	EA EM	EACH EMERGENCY	RNC	RIGID NONMETAL CONDUIT
	EMT	ELECTRICAL METALLIC TUBING	RPM	REVOLUTIONS PER MINUTE
	ENT	ELECTRIC NONMETALLIC TUBING	RPP RR	RISER PATCH PANEL REMOVE AND RELOCATE
	EPO	EMERGENCY POWER OFF	S/S	START/STOP
	EQUIP	EQUIPMENT	SCA SCBA	SHORT CIRCUIT AMPS STANDARD COLOR AS
	ER EX	EQUIPMENT ROOM EXISTING	JOBA	SELECTED BY ARCHITECT
	F	FURNITURE MOUNTED	SF	SQUARE FOOT (FEET)
	FA	FIRE ALARM	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
	FCP FLA	FIRE ALARM CONTROL PANEL FULL LOAD AMPS	SPD	SURGE PROTECTIVE DEVICE
	FMC	FLEXIBLE METAL CONDUIT	SPDT SPEC	SINGLE POLE, DOUBLE THROW SPECIFICATION
	FOB FPP	FREIGHT ON BOARD FIBER PATCH PANEL	SPP	STATION PATCH PANEL
	FVNR	FULL VOLTAGE	SPST	SINGLE POLE, SINGLE THROW
	E/D	NON-REVERSING	ST SWBD	SINGLE THROW SWITCHBOARD
	FVR GEN	FULL VOLTAGE REVERSING GENERATOR	SWGR	SWITCHGEAR
	GFCI	GROUND FAULT INTERRUPTER	TC TL	TELECOMMUNICATIONS ROOM TWIST LOCK
	GFP GIG	GROUND FAULT PROTECTION GIGA HERTZ	TP	TELEPHONE POLE
	GND	GROUND	TP	TWISTED PAIR
	HD	HEAVY DUTY	TTB TV	TELEPHONE TERMINAL BOARD TELEVISION
- 1	l HID	HIGH INTENSITY DISCHARGE	i	

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.

TYP TYPICAL

TYP TYPICAL

UF UNDERFLOOR

VOLTS

VA VOLT AMPERE

D CONTROLLER

WP WEATHERPROOF

XFMR TRANSFORMER

W/ WITH

W/O WITHOUT

UGND UNDERGROUND

TVSS TRANSIENT VOLTAGE SURGE

UPS UNINTERRUPTIBLE POWER

VFC/VF VARIABLE FREQUENCY MOTOR

VWM VERTICAL WIRE MANAGEMENT

SUPPRESSER

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

CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION,

PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING,

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...

GENERAL ELECTRICAL NOTES

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.

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

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.

SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PRÉPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.

REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.

CONTRACTOR SHALL UPDATE ALL EXISTING PANEL SCHEDULES WITH NEW CIRCUIT DATA TYPED ON CARD STOCK TYPE MATERIAL FOR ALL WORK PERFORMED ON PROJECT.

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.

ELECTRICAL SHEET INDEX

EE001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

ED101 SECOND FLOOR POWER DEMOLITION PLAN - RESTROOM ED102 SECOND FLOOR LIGHTING DEMOLITION PLAN - RESTROOM

EE501 ELECTRICAL DETAILS

EE702 TYPICAL LABELING DETAILS

EP101 POWER PLAN - OVERALL

EP601 ELECTRICAL SCHEDULES

EY601 FIRE ALARM RISER

EE701 TYPICAL MOUNTING HEIGHT DETAILS

EP102 SECOND FLOOR POWER PLAN - RESTROOM

EL102 SECOND FLOOR LIGHTING - RESTROOM EL601 INTERIOR LIGHTING FIXTURE SCHEDULE

EY102 SECOND FLOOR AUXILIARY PLAN

EY602 AUXILIARY RISER DIAGRAMS

ARCHITECTS

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801-328-5151 PTATOX: 8014828-5155

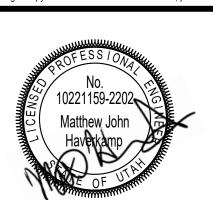
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SHEET INDEX, ABBREVIATIONS, AND **GENERAL NOTES**

EE001

RACEWAY TO TRAY DETAIL
SCALE: NTS

CONCRETE OVER

SAFETY WIRE, SEE SCHEDULE FOR SIZE AND QUANTITY

3/8" θ EXPANSION

CONNECTION TO

HOUSING, SEE A-A

LIGHT FIXTURE

LIGHT FIXTURE

1/8" θ THREADED EYE HOOK WITH STANDARD WASHER AND DOUBLE NUT CONNECTION

RECESSED MOUNTING

WIRE HEAD

ANCHOR WITH TIE

1-1/2" (3) TURN AROUND -

#10 SELF TAPPING SCREWS

FIXTURE CLAMP BY CADDY OR

HOUSING TO CEILING SUPPORT

EQUAL TO ATTACH FIXTURE

SUSPENDED CEILING SYSTEM

ALTERNATE 1

INSTALLED PER ASTM E-580

CABLE BRACE,

SEE SCHEDULE

LIGHT FIXTURE

HOUSING

DETAIL A-A

"J HOOK" (SIZE &

NUT AND LOCK WASHER—

✓

"U"-BOLT TYPE BEAM CLAMP-

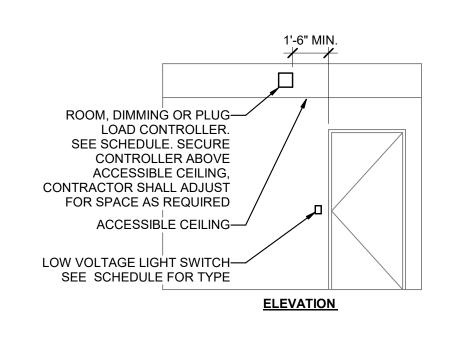
HEX NUT

LENGTH AS REQD)

WITH SEISMIC LIGHTING

MAIN WIRE TYP.

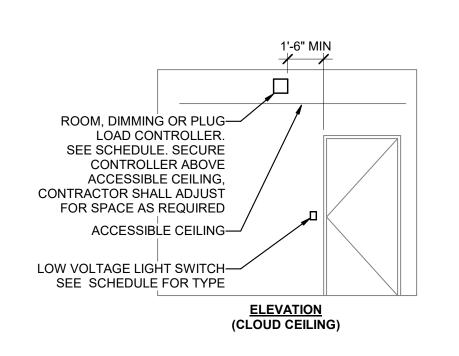
STEEL DECK

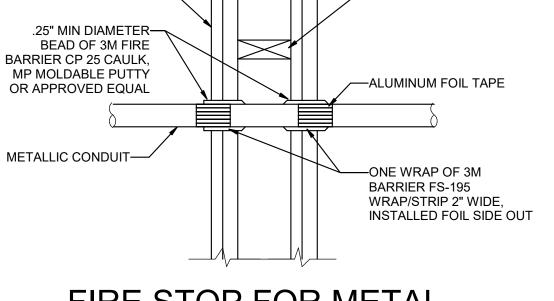


(TYP) LIGHTING SPACE—

CONTROL TYPE CALLOUT, SEE

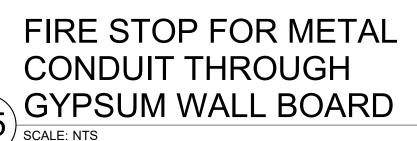
LIGHTING/ SPACE CONTROL

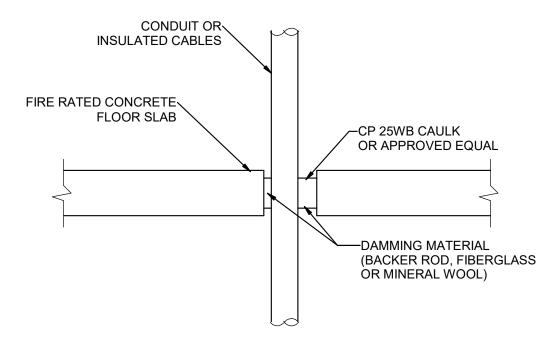




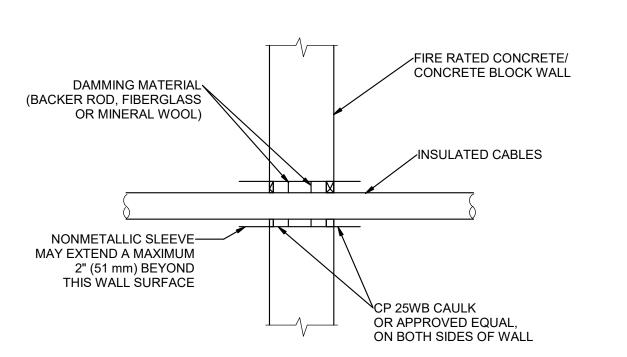
GYPSUM WALL BOARD

/WOOD OR STEEL STUD

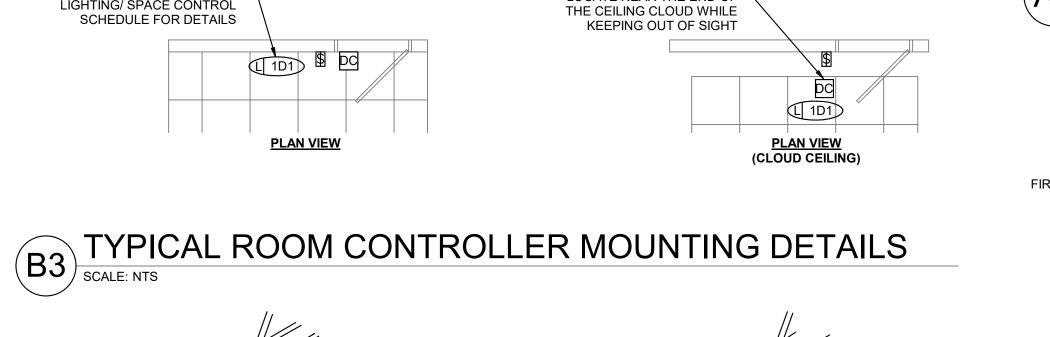




TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING

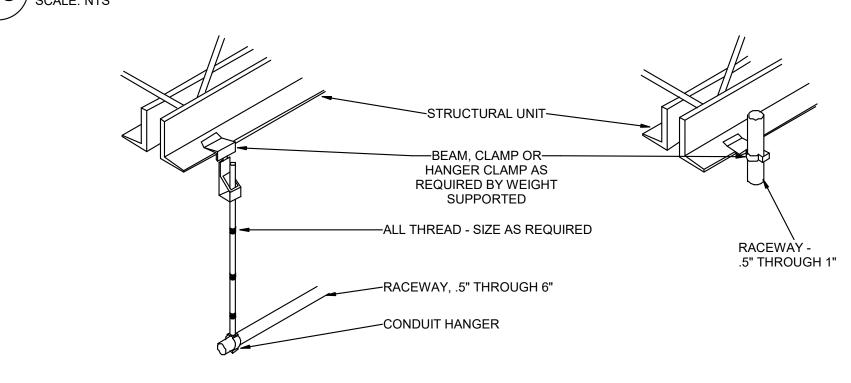


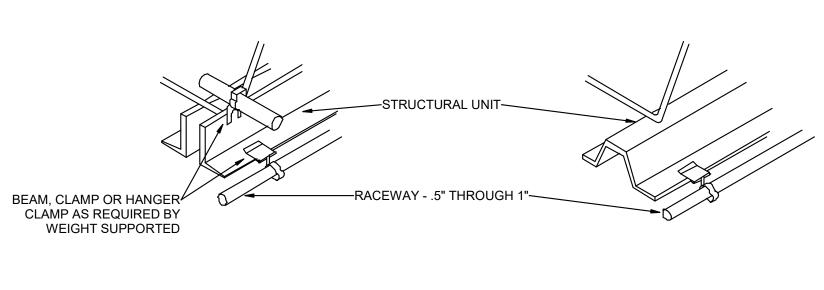
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS SCALE: NTS



LOCATE NEAR THE END OF-





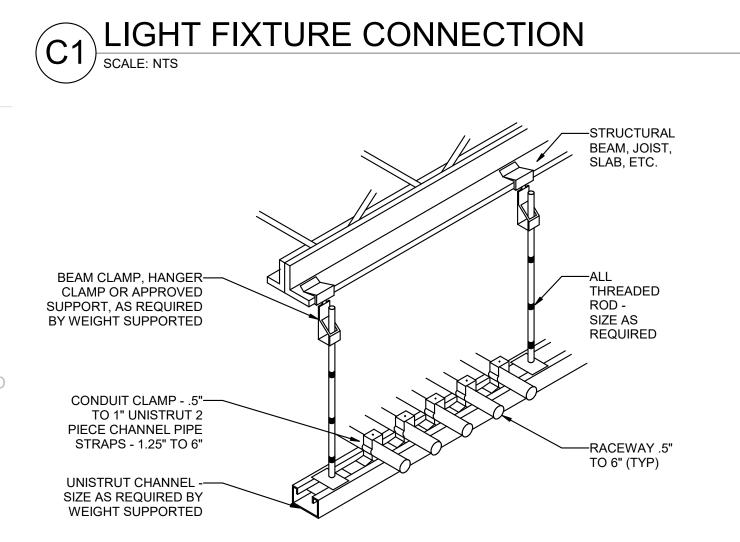


NOTE: TIE WIRE SHALL NOT BE USED AS A COMPONENT OF ANY RACEWAY HANGER SYSTEM.

—ALL THREAD ROD

/HEX NUT

TYPICAL RACEWAY SUPPORT METHODS DETAIL
SCALE: NTS



CONCRETE OVER STEEL DECK

SAFETY WIRE, SEE SCHEDULE FOR SIZE AND QUANTITY

1-1/2" (3) TURN AROUND MAIN WIRE TYP.

#10 SELF TAPPING SCREW FLAT WASHER

FIXTURE HOUSING TO CEILING SUPPORT

SUSPENDED LIGHT FIXTURE SCHEDULE

QTY #12

GAUGE WIRES

WEIGHT

(LBS)

0-10

<56

AND CLIP AS REQUIRED TO ATTACH

CEILING SUPPOR

CHANNEL AND CEILING

COMMENTS

CONNECT AT CENTER OF

NOT BE INSTALLED TAUT

INSTALL ON OPPOSITE CORNERS. NEED NOT BE

INSTALLED TAUT

FROM CEILING

GRAVITY OF FIXTURE. NEED

INSTALL ONE EACH CORNER

MUST BE INSTALLED TAUT.

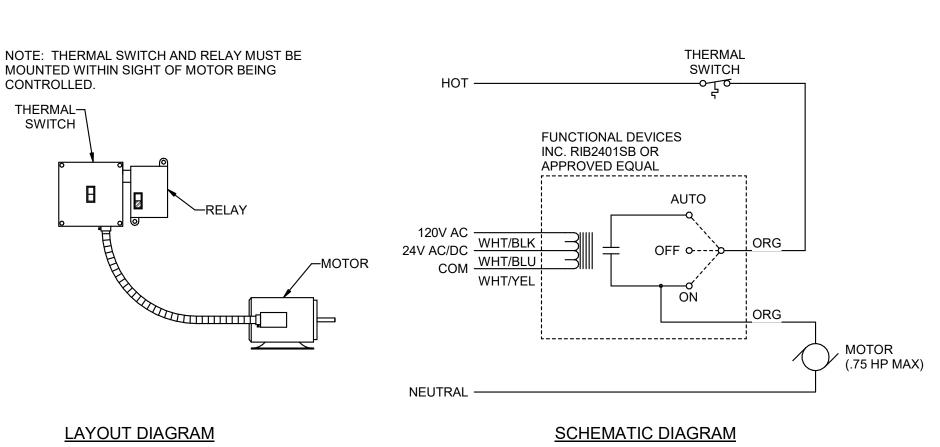
INDEPENDENTLY BRACED

TYPICAL CONDUIT RACK DETAIL
SCALE: NTS

TYPICAL WALL STATION CONFIGURATION

TYPICAL WALL

STATIONS LAYOUTS
SCALE: NTS



TYPICAL INDOOR CABLE TRAY MOUNTING DETAIL

- 3/8" θ EXPANSION

CONNECTION TO

HOUSING, SEE A-A

- FLUSH MOUNTED

ROOF PURLIN OR FLOOR BEAM

J" BOLT (SIZE & LENGTH AS REQD)

METAL CHANNEL

BEAM CLAMP

SQ WASHER

FLUSH MOUNTING

FIXTURE HANGER TAB.

WHERE OCCURS

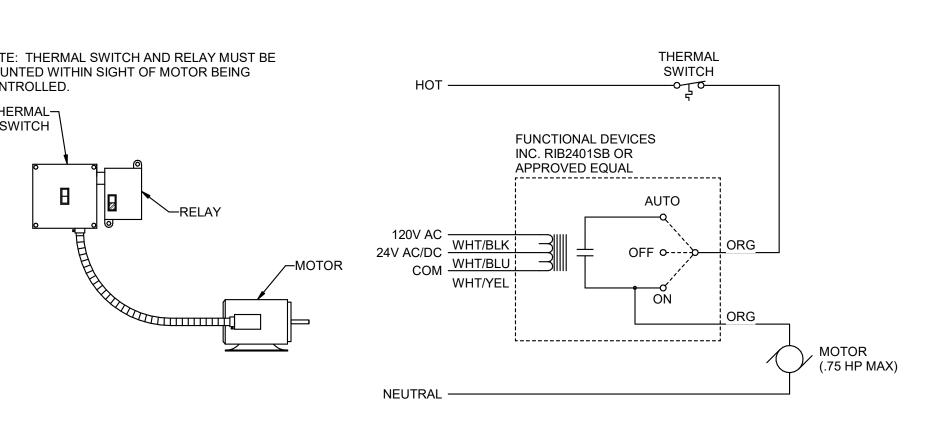
ALTERNATE 2

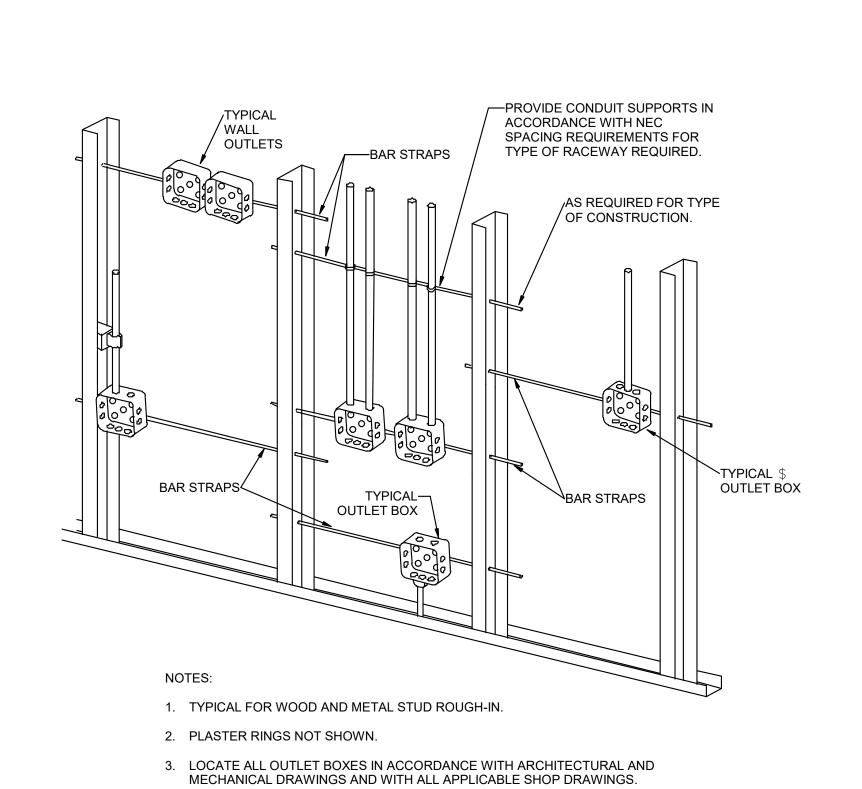
LIGHT FIXTURE

WIRE HEAD

ANCHOR WITH TIE

E3 120V FRACTIONAL MOTOR CONTROL





4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF

5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS

WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE OR LISTED, SOUND AND FIRE RATED PUTTY PADS SHALL BE USED ON THE OUTLET

TYPICAL ROUGH-IN REQUIREMENTS DETAIL
SCALE: NTS

MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

BOXES.





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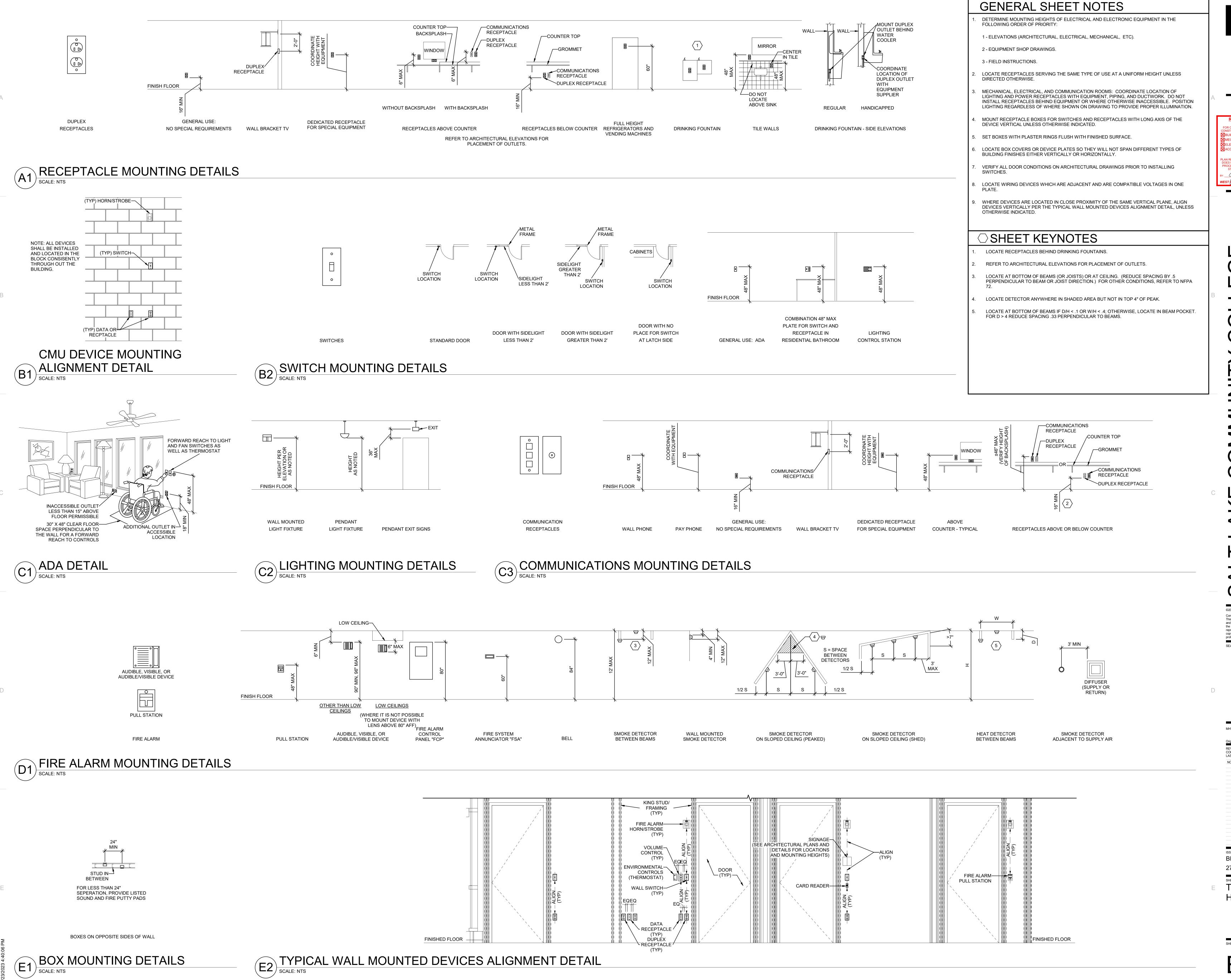
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No. 10221159-2202 Matthew John Havetkamp 10/27/2023

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BID SET

27 OCTOBER 2023 **ELECTRICAL DETAILS**

EE501



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TYPICAL MOUNTING

HEIGHT DETAILS

EE701



SALT LAKE COMMUNITY COLLEGE

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TYPICAL LABELING
DETAILS

EE702

1 SWITCH AND RECEPTACLE LABEL TO BE PROVIDED AT EACH SWITCH OR RECEPTACLE. LABEL IS TO BE 1.5"W X .5"H. LABEL TO BE CLEAR WITH ADHESIVE ON THE BACK.

2 LETTERING IS TO BE .25" HIGH, CENTERED, AND FORMATTED AS SHOWN. FIRST SET OF SYSMBOLS CORRESPOND TO THE PANEL THE EQUIPMENT IS TIED TO, SEE TYPICAL PANELBOARD LABEL DETAIL. THIRD # IS TO IDENTIFY THE CIRCUIT BREAKER THE EQUIPMENT IS TIED TO.

TYPICAL SWITCH/RECEPTACLE

**REFER TO TYPICAL SWITCH/RECEPTACLE LABELING DETAIL FOR LABEL REQUIRMENTS.	
***DISPOSE OF AN EXISTING PANELBOARD NAME PLATES WHEN INSTALLING NEW NAME PLATES.	
CIRCUIT NUMBER LABEL	DISCONNECT LABEL ELEV-1 240/120V, 1PH, 3W FED FROM MDP
TYPICAL SWITCH LABEL LOCATION	ON ARC FLASH LABEL LOCATED HERI
CIRCUIT NUMBER LABEL	Arc Flash and Shock Hexaed Appropriate PFE Required 21s. Phase Bod short of the S
TYPICAL RECEPTACLE LABEL LOCATION	

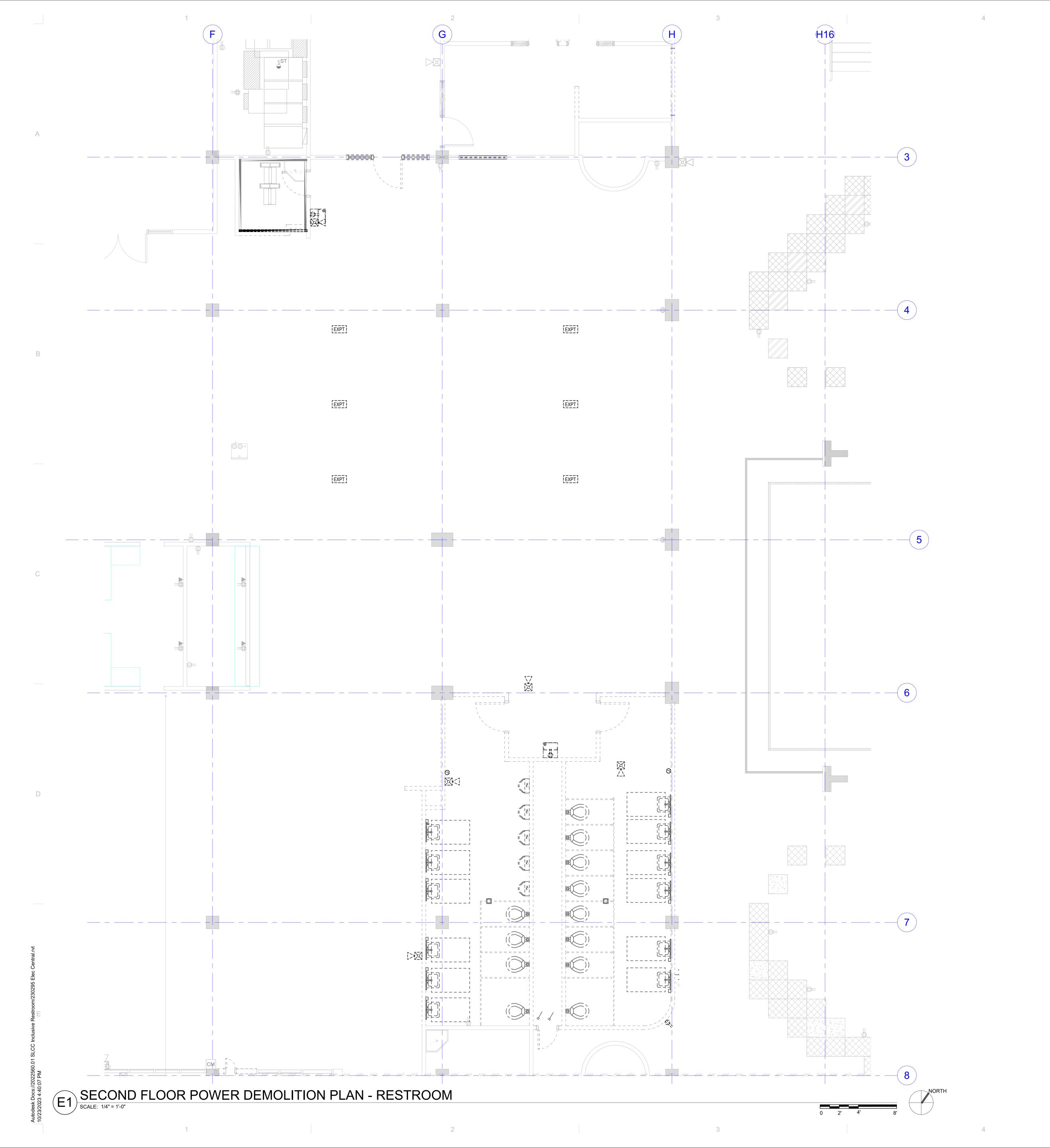
TYPICAL LABELING FOR DISCONNECTS

D5 LABEL SCALE: NTS

TYPICAL SWITCH, RECEPTACLE AND DISCONNECT LABELING LOCATION DETAIL

SCALE: NTS

*LABEL TO BE CENTERED IN EQUIPMENT, PREFERABLE ON FACE OF EQUIPMENT AND TOWARDS THE TOP.



UNLESS OTHERWISE INDICATED, REMOVE ALL ELECTRICAL DEVICES, ELECTRICAL EQUIPMENT, LIGHTING AND LOW VOLTAGE SYSTEM DEVICES SHOWN IN DARK DASHED LINES IN THEIR ENTIRETY. REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO THE PANELBOARD OF ORIGIN OR TO THE FIRST ACTIVE DEVICE THAT REMAINS. CONDUITS SHALL BE CUT AND CAPPED AND REDLINED ON THE DRAWINGS. SYSTEMATICALLY CHECK EACH BRANCH PANELBOARD CIRCUIT TO VERIFY EACH CIRCUIT BREAKER NO LONGER HAS ANY ACTIVE LOADS, DISCONNECT THE WIRING AND TURN THE CIRCUIT BREAKER OFF, ANY REMAINING ACTIVE LOADS SHALL BE LABELED AT THE PANELBOARD AS TO WHAT LOAD IS SERVED. PROTECT AND MAINTAIN ALL DEVICES TO BE RE-USED. PATCH AND REPAIR ALL WALLS, CEILINGS OR FLOORS TO MATCH EXISTING FINISHES AS PART OF THE CONSTRUCTION...

- CONFIRM WITH OWNER FOR SALVAGE OF ANY LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, AV EQUIPMENT, SECURITY DEVICES AND FIRE ALARM DEVICES. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
- 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.
- PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE

EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.

- REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS, CEILINGS OR FLOORS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS, CEILING OR FLOORS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.
- REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.

REMOVE ALL ABANDONED DISCONNETS, MOTOR CONTROLLERS, VFDS, RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.

- DEMOLISH ALL WI-FI ACCESS POINTS WHETHER SHOWN ON DRAWINGS OR NOT WITHIN SCOPE OF WORK AREA. SALVAGE AND RETURN TO OWNER.
- ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
- ALL MECHANICAL AND PLUMBING UNITS TO BE REMOVED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. REMOVE ALL ASSOCIATED DISCONNECTS, VFDS, MOTOR CONTOLLERS, RACEWAYS AND CONDUCTORS BACK TO SOURCE. NOT ALL ELECTRICAL DEVICES ARE SHOWN ON DRAWINGS FOR EACH PIECE OF EQUIPMENT.

SHEET KEYNOTES

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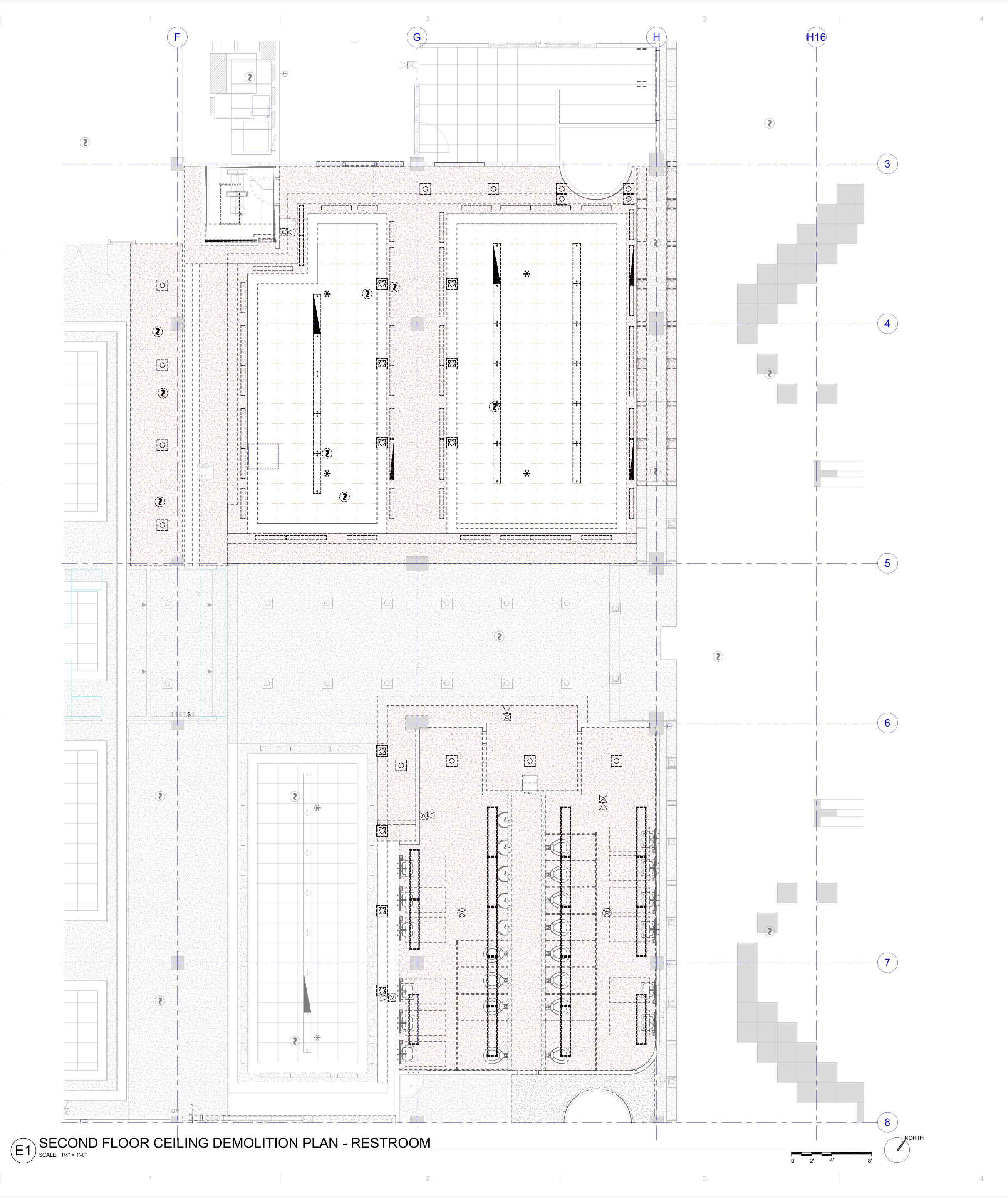
27 OCTOBER 2023

SECOND FLOOR
POWER DEMOLITION
PLAN - RESTROOM

ED101

KEY PLAN
SECOND FLOOR

AREA OF WORK



UNLESS OTHERWISE INDICATED, REMOVE ALL ELECTRICAL DEVICES, ELECTRICAL EQUIPMENT, LIGHTING AND LOW VOLTAGE SYSTEM DEVICES SHOWN IN DARK DASHED LINES IN THEIR ENTIRETY. REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO THE PANELBOARD OF ORIGIN OR TO THE FIRST ACTIVE DEVICE THAT REMAINS. CONDUITS SHALL BE CUT AND CAPPED AND REDLINED ON THE DRAWINGS. SYSTEMATICALLY CHECK EACH BRANCH PANELBOARD CIRCUIT TO VERIFY EACH CIRCUIT BREAKER NO LONGER HAS ANY ACTIVE LOADS, DISCONNECT THE WIRING AND TURN THE CIRCUIT BREAKER OFF. ANY REMAINING ACTIVE LOADS SHALL BE LABELED AT THE PANELBOARD AS TO WHAT LOAD IS SERVED. PROTECT AND MAINTAIN ALL DEVICES TO BE RE-USED. PATCH AND REPAIR ALL WALLS, CEILINGS OR FLOORS TO MATCH EXISTING FINISHES AS PART OF THE CONSTRUCTION..

- CONFIRM WITH OWNER FOR SALVAGE OF ANY LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, AV EQUIPMENT, SECURITY DEVICES AND FIRE ALARM DEVICES. PROTECT SALVAGED
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- PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.
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- REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
- REMOVE ALL ABANDONED DISCONNETS, MOTOR CONTROLLERS, VFDS, RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.
- DEMOLISH ALL WI-FI ACCESS POINTS WHETHER SHOWN ON DRAWINGS OR NOT WITHIN SCOPE OF WORK AREA. SALVAGE AND RETURN TO OWNER.
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○ SHEET KEYNOTES

KEY PLAN SECOND FLOOR

AREA OF WORK

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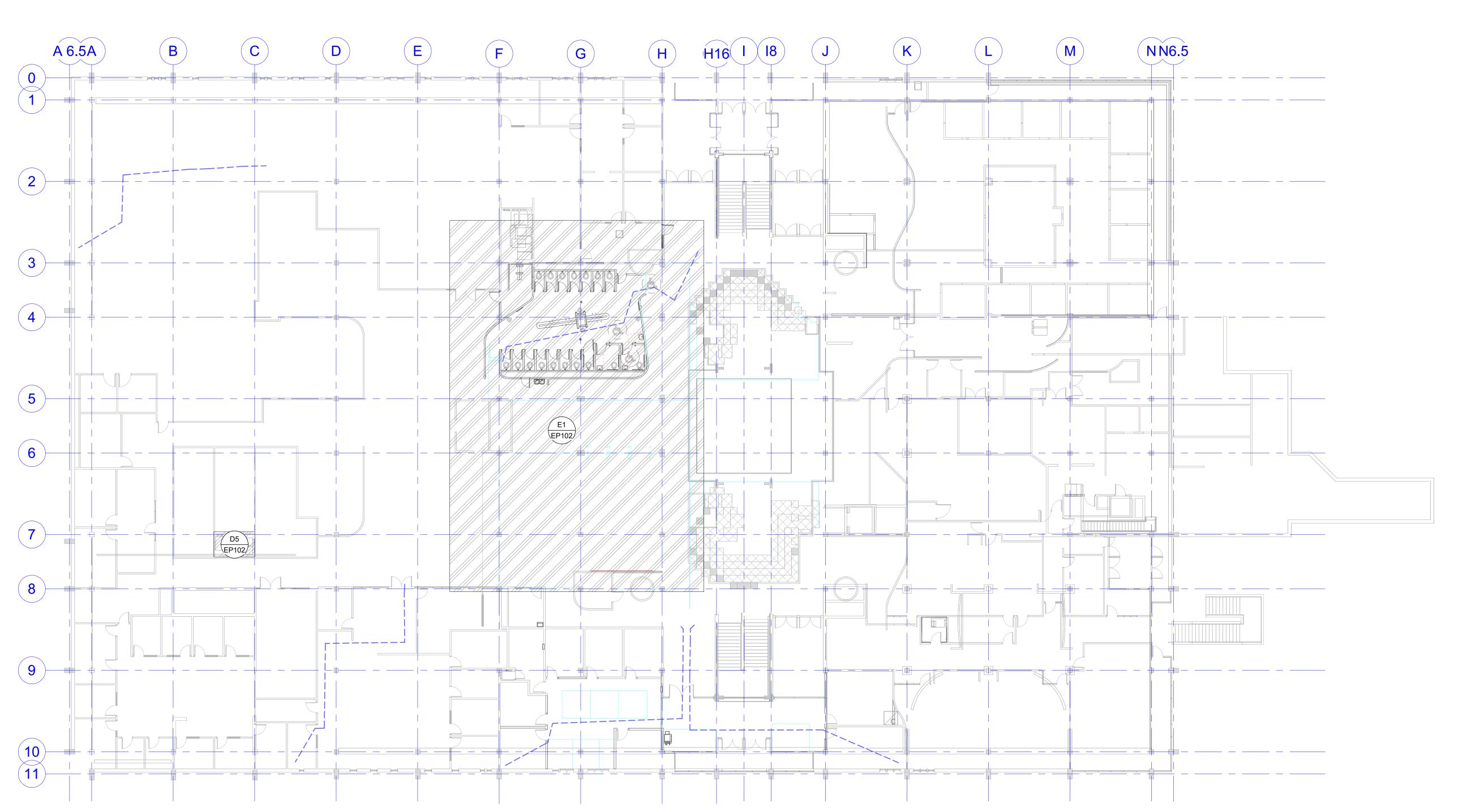
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SECOND FLOOR LIGHTING DEMOLITION PLAN - RESTROOM

ED102



SECOND FLOOR POWER PLAN - OVERALL

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

GENERAL SHEET NOTES

LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND

- LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND PROVIDED BY OTHERS. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
- LOCATE ALL DISCONNECTS IN ACCESSIBLE LOCATION ADJACENT TO EQUIPMENT WITH CLEARANCES PER NEC.
- ALL ELECTRICAL PENETRATIONS IN FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MEET FIRE RATING AND BE LEAK PROOF. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE CONSTRUCTION.
- ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL INSTALLED LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.
- PROVIDE DEDICATED NEUTRAL FOR ALL BRANCH CIRCUITS.
- 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
- ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2020 NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.
- CONTRACTOR SHALL COORDINATE ELECTRICAL NEEDS WITH APPROVED SUBMITTALS FOR ALL MECHANICAL EQUIPMENT, BUILDING EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC. PRIOR TO ROUGH-IN AND RELEASE OF ASSOCIATED ELECTRICAL EQUIPMENT. ADJUST SIZES OF EQUIPMENT AND CIRCUITS TO MEET REQUIREMENTS OF APPROVED SUBMITTALS AS REQUIRED.
- 12 TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS POWER CABLING AND CONTROLS CABLING SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT.

○ SHEET KEYNOTES



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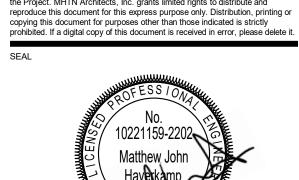
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ISSUE BID SET

BID SET 27 OCTOBER 2023

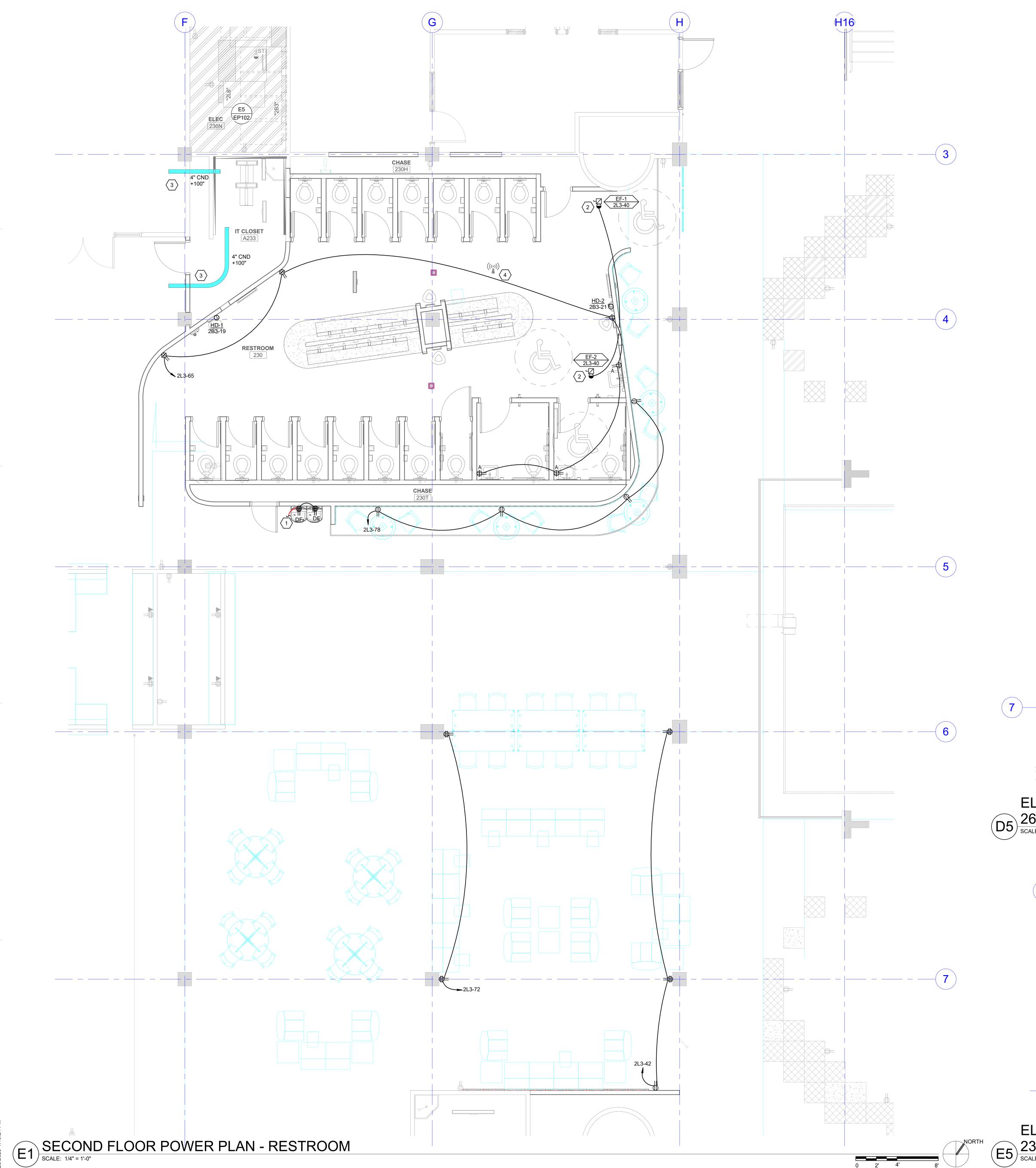
POWER PLAN OVERALL

EP101

NORTH

KEY PLAN
SECOND FLOOR

AREA OF WORK

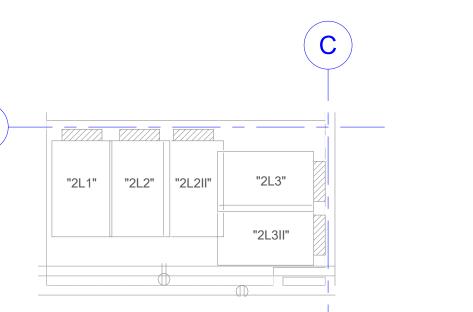


1 LOCATION OF MECHANICAL EQUIPMENT SHOWN IS APPROXIMATE AND PROVIDED BY OTHERS. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.

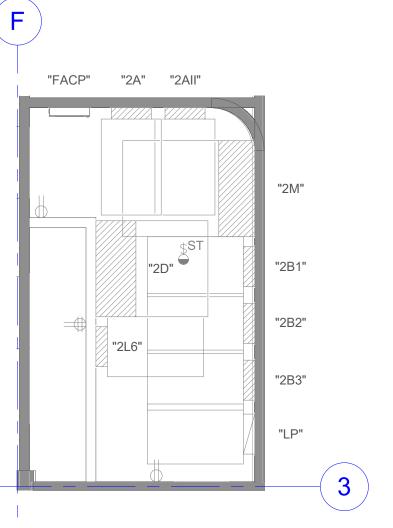
- LOCATE ALL DISCONNECTS IN ACCESSIBLE LOCATION ADJACENT TO EQUIPMENT WITH CLEARANCES PER NEC.
- 3 ALL ELECTRICAL PENETRATIONS IN FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MEET FIRE RATING AND BE LEAK PROOF. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS
- 4 CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE CONSTRUCTION.
- ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- SURFACE MOUNTED CONDUIT ON WALLS AND CEILING, EXCLUDING MECHANICAL/ELECTRICAL SPACES, SHALL NOT BE INSTALLED UNLESS APPROVED BY OWNER.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL INSTALLED LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.
- PROVIDE DEDICATED NEUTRAL FOR ALL BRANCH CIRCUITS.
- 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.
- ALL WORK SHALL BE DONE ACCORDING TO THE NATIONAL ELECTRICAL CODE (2020 NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.
- CONTRACTOR SHALL COORDINATE ELECTRICAL NEEDS WITH APPROVED SUBMITTALS FOR ALL MECHANICAL EQUIPMENT, BUILDING EQUIPMENT, OWNER SUPPLIED EQUIPMENT, ETC. PRIOR TO ROUGH-IN AND RELEASE OF ASSOCIATED ELECTRICAL EQUIPMENT. ADJUST SIZES OF EQUIPMENT AND CIRCUITS TO MEET REQUIREMENTS OF APPROVED SUBMITTALS AS REQUIRED.
- 12 TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS POWER CABLING AND CONTROLS CABLING SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT.

○ SHEET KEYNOTES

- 1 CIRCUIT TO EXISTING DRINKING FOUNTAIN CIRCUIT (SEE DEMOLITION DRAWINGS).
- 2 MOTOR LOCATED ON LOWER ROOF AT THIS LOCATION.
- PROVIDE A 4" CONDUIT SLEEVE FROM IT ROOM TO ACCESSIBLE CEILING LOCATION FOR DATA RACEWAY INTO IT ROOM.
- 4 PROVIDE 1.25" CONDUIT FROM IT ROOM LADDER RACK FOR FUTURE WIRELESS ACCESS POINT.



ELECTRICAL ROOM
260 POWER PLAN
SCALE: 1/4" = 1'-0"

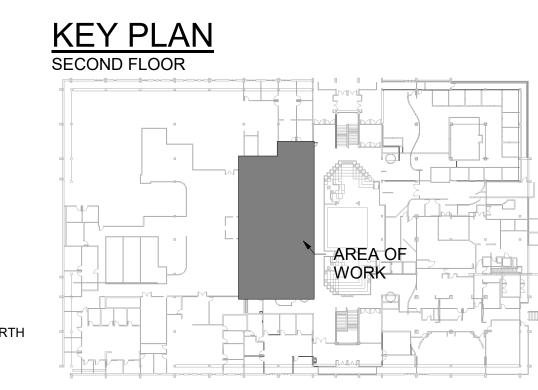


ELECTRICAL ROOM

236N POWER PLAN

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

0 2' 4' 8





ARCHITECTS

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STROOM ADDITION

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10/27/20 MHTN PROJECT NO. 2022560.01

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO. DATE DESCRIPTION

BID SET 27 OCTOBER 2023

SECOND FLOOR POWER PLAN -RESTROOM

SHEET NUMBER

EP102

CB

	ELECTRICAL FIXTURE SCHEDUL
EQUIPMENT SCHEDULE KEY E - DIVISION 26 Q - FURNISHED WITH EQUIPMENT	NOTES: 1. NEMA 3R 2. TOGGLE SWITCH W/ THERMAL OVERLOAD 3. PROVIDE FUSED DISCONNECT ELEVATOR POW

0.75" CND

Q - FURNISHED WITH EQUIPMENT

* - COORDINATE WITH THE DIVISION 23 TEMPERATURE CONTROL INSTALLER

** - AUTOMATIC CONTROL WIRING BY DIVISION 23

NEMA 3R
 TOGGLE SWITCH W/ THERMAL OVERLOAD
 PROVIDE FUSED DISCONNECT ELEVATOR POWER MODULE WITH SHUNT TRIP
 CONTRACTOR TO PERFOM FINAL CONNECTION TO LINE VOLTAGE THERMOSTATS
 TOGGLE SWITCH W/BACNET INTERFACE.
 INDOOR UNITS FED FROM OUTDOOR UNIT. PROVIDE DISCONNECTS FOR BOTH.
 PROVIDE SWITCH WITH BACNET MS/TP CAPABILITY.
 PROVIDE LABEL ON DISCONNECT "DISCONNECT OUTDOOR UNIT PRIOR TO INDOOR."
 LINE VOLTAGE THERMOSTAT ON WALL.
 PROVIDE EXPLOSION PROOF DEVICES AND WIRING METHODS

FRS-10

10. PROVIDE EXPLOSION PROOF DEVICES AND WIRING METHODS. 11. PROVIDE DUAL-REDUNDANT 100% RATED VFD'S FOR AIR HANLDER. 12. PROVIDE MANUAL STARTER WITH THERMAL OVERLOAD AND RELAY FOR ATC/BAS CONTROL.

			MOUNTING		LOAD	DATA		LOAD DATA		CONNI	ECTION TYPE	
ITEM NO.	QTY	DESCRIPTION	HEIGHT (AFF)	VOLT	PHASE	AMPS	kW	HP	WIRE AND CONDUIT SIZE	FURN BY	DEVICE	ELECTRICAL REMARKS
DF	2	DRINKING FOUNTAIN	+18"	120	1	4	0.5	-	2#12, 12GR 0.75" CND	E	NEMA 5-20	
HD-1	1	HAND DRYER	+48"	120	1	10	1.2	-	2#12, 12GR 0.75" CND	Е	J-BOX	
HD-2	1	HAND DRYER	+18"	120	1	10	1.2	-	2#12, 12GR 0.75" CND	E	J-BOX	

							EXIST	NG) PA	41	IE	L:	"2	2B	3"	1							
VOLTS	S/PHAS	SE/WIF	RE:		PAN			MAIN SIZE AND T					FROI		CABINET: LOCATION:		NC	TES:				
120/20	8V, 3 F	PH 4 W	IRE		22"	W x 6"	D, BOLT-ON	225 AMPERE MAI	N LU	GS					SURFACE ELEC 236N							
ACCE	SSORI	ES:			PAN	IEL DIF	RECTORY, IDENTIF	FICATION, GROUN	IDING	3 BAR	?				AIC	RATIN	IG: 22	,000			•	
СКТ		OCP		LC	OAD (k	VA)				Р	HASE	LOA	D			LO	AD (k\	/A)		OCP		СКТ
NO	AMP	POLE	BKR	LTG	PWR	СО	DESCR	IPTION	1	A		3	(C	DESCRIPTION	СО	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.0	0.0	0.0	EX: OUTLETS	IN IT CLOSET	0.0	0.0					EX: UPS POWER	0.0	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.0	EX: PHONE E	BOOTH CANS			0.0	0.0			EX: LTG. IN OPEN LOUNGE	0.0	0.0	0.0		1	20	4
5	20	1		0.0	0.0	0.0	EX: NORTH	WALKWAY					0.0	0.0	EX: LTG. IN OPEN LOUNGE	0.0	0.0	0.0		1	20	6
7	20	1		0.0	0.0	0.0	SPA	ARE .	0.0	0.0					EX: LTG. IN OPEN LOUNGE	0.0	0.0	0.0		1	20	8
9	20	2		0.0	0.0	0.0	SPA	ARE .			0.0	0.0			EX: LOW VOLT LIGHTING	0.0	0.0	0.0		1	20	10
11							-	-					0.0	0.0	EX: LOW VOLT LIGHTING	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	0.0	EX: DATA CLOS	X: DATA CLOSET OUTLET UPS 0.		0.0					EX: SW MEC SHAFT	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	SPA	SPARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.0	EX: T-3 SC	OUTH END					0.0	0.0	EX: EHU AHI	0.0	0.0	0.0		2	20	18
19	20	1		0.0	1.2	0.0	PWR: HAND	DRYER 230	1.2	0.0												20
21	20	1		0.0	1.2	0.0	PWR: HAND	DRYER 230			1.2	0.0			SPARE	0.0	0.0	0.0		1	20	22
23	20	2		0.0	0.0	0.0	SPA	ARE .					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	24
25							-	-	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	26
27	20	2		0.0	0.0	0.0	SPA	ARE			0.0	0.0			SPARE	0.0	0.0	0.0		1	20	28
29							-	-					0.0	0.0	SPARE	0.0	0.0	0.0		1	20	30
31	20	3		0.0	0.0	0.0	SPA	ARE	0.0	0.0					SPARE	0.0	0.0	0.0		1	20	32
33							-	-			0.0	0.0			SPARE	0.0	0.0	0.0		3	20	34
35							-	-					0.0	0.0								36
37	30	1		0.0	0.0	0.0	EX: TWIST LOC	K OUTLET IT	0.0	0.0												38
39	30	1		0.0	0.0	0.0	EX: TWIST LOC	K OUTLET IT			0.0	0.0			RTU	0.0	0.0	0.0		2	40	40
41														0.0								42
TOTA	_S:						CONNECTED	kVA PER PHASE		1	•	1	(0	CONNEC	CTED T	OTAL I	<va =<="" td=""><td></td><td>2</td><td></td><td></td></va>		2		

LIGHTING & CONTINUOUS LOADS:

RECEPTACLES:

ALL OTHER LOADS @ 100%:

2.4 kVA

- 100% CONNECTED LOAD PLUS 25%

- 100% CONNECTED LOAD PLUS 25%

- FIRST 10kVA @ 100%, REMAINDER @ 50%

AVERAGE AMPS PER PHASE = 7

- MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

CONNECTED AMPS PER PHASE 12 12 0

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

AVERAGE CONNECTED AMPS PER PHASE = 7

					1		ZE & TYPE: MAIN SIZE AND 1	I I PE	•		FED	FRON	ין וו	CABINET:	LOCATION:		NOT	EJ.				
	8V, 3 F	PH 4 W	IRE		22" V	V x 6"	D, BOLT-ON 250 AMPERE MA	IN LU	GS					SURFACE								
	SSORI						RECTORY, IDENTIFICATION, GROUN								AIC	RATIN	G: 10,0	00				_
СКТ		ОСР		LO	AD (k		,			HASE	LOA	D				LO	AD (kVA	<u>, </u>		ОСР		T
NO	ΔΜΡ	POLE	BKR			CO	DESCRIPTION	<u> </u>		В		C		DESC	RIPTION		PWR L		BKR		ΔΜΡ	_
1	20	1		0.0	0.0	0.0	EX: STAFF BREAKROOM	0.6	_						ADV OFFC PLGS	0.0		0.0		1	20	十
3	20	1		0.0	0.0	0.0	EX: STAFF BREAKROOM	0.0		0.5	1.2				ADV OFFC PLGS	0.0		0.0		1	20	$^{+}$
5	20	1		0.0	0.0	0.0	EX: STAFF BREAK ROOM CTR			0.0		1.0	1.0		ADV OFFC PLGS	0.0		0.0		1	20	+
7	20	1		0.0	0.0	0.0	EX: STAFF BREAK ROOM CTR	1.0	1.4						OFFIC PLGS	0.0		0.0		1	20	†
9	20	1		0.0	0.0	0.0	EX: STAFF BREAK ROOM CTR	1.0		1.0	1.6				IORTH WALL	0.0		0.0		1	20	+
11	20	1		0.0	0.0	0.0	EX: STAFF BREAK ROOM CTR					1.0	1.2		DIRECT PLGS	0.0		0.0		1	20	$^{+}$
13	20	1		0.0	0.0	0.0	EX: STAFF BRK RM GRBG DISP.	1.5	1.4						OFFICE PLGS	0.0		0.0		1	20	\dagger
15	20	1		0.0	0.0	0.0	EX: FINANCIAL DIRECT OFFIC	1.0		1.2	1.4				CENTER PLGS	0.0		0.0		1	20	$^{+}$
17	20	1		0.0	0.0	0.0	EX: FINANCIAL OFFICE PLGS				_	0.9	1.0	=	R OFFIC PLGS	0.0		0.0		1	20	+
19	20	1		0.0	0.0	0.0	EX: FINANCIAL STRG OFF PLGS	1.5	1.0			5.5			ADEM 240	0.0		0.0		1	20	+
21	20	1		0.0	0.0	0.0	EX: DEANS OFFICE PLGS	1.5	1.0	0.9	1.0				ADEM 240	0.0		0.0		1	20	+
23	20	1		0.0	0.0	0.0	EX: DEANS OFFICE PLGS			0.0		0.9	1.2		R OFFIC PLGS	0.0		0.0		1	20	+
25	20	1		0.0	0.0	0.0	EX: DEANS OFFICE PLGS	0.9	1.0			0.0	1.4		R DIRECT PLGS	0.0		0.0		1	20	+
27	20	1		0.0	0.0	0.0	EX: HEALTH SCI SYST FURN	0.9	1.0	1.2	1.0				ECEPTACLES	0.0		0.0		1	20	+
29	20	1		0.0	0.0	0.0	EX: HEALTH SCI SYST FURN			1.2	1.0	1.5	1.5		ECEPTACLES	0.0		0.0		1	20	+
31	20	1		0.0	0.0	0.0	EX: HEALTH SCI OFFICE PLUGS	1.2	1.0			1.0	1.5		R OFFIC PLGS	0.0		0.0		1	20	+
33	20	1		0.0	0.0	0.0	EX: HEALTH SCI OFFICE PLUGS	1.2	1.0	1.2	1.5				R OFFIC PLGS	0.0		0.0		1	20	+
35	20	1		0.0	0.0	0.0	EX: HEALTH SCI SYST FURN			1.2	1.5	1.0	0.9		R OFFIC PLGS	0.0		0.0		1	20	+
37	20	1		0.0	0.0	0.0	EX: HEALTH SCI OFFICE PLUGS	12	0.0			1.0	0.9		PARE	0.0		0.0		1	20	+
39	20	1		0.0	0.0	0.0	EX: COORDINATOR OFFICE PLGS		0.0	1.5	0.9				(EF-2) ROOF	0.0		0.0		1	20	+
41	20	1		0.0	0.0	0.0	EX: COORDINATOR SYS FURN			1.5	0.9	1.2	0.5	,	LOUNGE AREA	0.5		0.0		1	20	+
43	20	1		0.0	0.0	0.0	EX: RM 270 PRINTER	1 2	0.7			1.2	0.5		OOR BOX	0.0		0.0		1	20	+
45	20	1		0.0	0.0	0.0	EX: EQUIPMENT REPAIR PLGS	1.5	0.7	1.2	0.0				OOR BOX	0.0		0.0		1	20	+
45	20	1		0.0	0.0	0.0	EX: COORDINATOR CONF PLGS			1.2	0.0	1.2	0.0		OOR BOX	0.0		0.0		1	20	+
49	20	1		0.0	0.0	0.0	EX: COORDINATOR OFFIC PLGS	12	0.7			1.2	0.0		OOR BOX	0.0		0.0		1	20	+
		1			0.0		EX: DRC LAB PLGS	1.3	0.7	1.2	0.0				OOR BOX					1		+
51	20	1		0.0		0.0				1.2		0.7	0.0			0.0		0.0		1	20	+
53	20	1		0.0	0.0	0.0	EX: DRC LAB PLGS	0.7	0.7			0.7	0.0		OOR BOX	0.0		0.0		1	20	+
55	20	1		0.0	0.0	0.0	EX: DRC LAB PLGS	0.7	0.7	1.0	0.0				OOR BOX	0.0		0.0		1	20	+
57	20	1		0.0	0.0	0.0	EX: FLOOR BOX (2)			1.0	0.0	0.0	0.7		OOR BOX	0.0		0.0		1	20	+
59	20	1		0.0	0.0	0.0	SPARE	4.0	0.7			0.0	0.7		ETS RM 242	0.0		0.0		1	20	+
61	20	1		0.0	0.0	0.0	EX: RECEPT 170G	1.0	0.7	1.0	0.7				ETS RM 242	0.0		0.0		1	20	+
63	20	1		0.0	0.0	0.0	EX: RECEPT 170G			1.0	U./	4.4	0.0		ETS RM 242	0.0		0.0		1	20	+
65	20	1		0.0	0.0	1.1	CO: RESTROOM 230	0.0	4.0			1.1	0.0		RR DOOR 230	0.0		0.0		1	20	+
67	20	1		0.0	0.0	0.0	SPARE	0.0	1.0	0.5	0.5				HAND DRYER	0.0		0.0		1	20	\perp
69	20	1		0.0	0.0	0.0	EX: UNKNOWN			0.0	_	0.5	0 1		S HAND DRYER	0.0		0.0		1	20	\perp
71	20	1		0.0	0.0	0.0	EX: UNKNOWN					0.0	0.4		LOUNGE AREA	0.4		0.0		1	20	+
73		1		0.0	0.0	0.0	SPACE								PACE	0.0		0.0		1		4
75		1		0.0	0.0	0.0	SPACE								PACE	0.0		0.0		1		1
77		1		0.0	0.0	0.0	SPACE						0.7		E AREA WALL	0.7		0.0		1	20	\downarrow
79		1		0.0	0.0	0.0	SPACE								PACE	0.0		0.0		1		1
81		1		0.0	0.0	0.0	SPACE								PACE	0.0		0.0		1		1
83		1		0.0	0.0	0.0	SPACE							SF	PACE	0.0		0.0		1		\perp
TOTAL	LS:						CONNECTED kVA PER PHASE	2	23	2	1	20			CONNEC	CTED TO	OTAL kV	'A =		64		
	IVERS						CONNECTED AMPS PER PHASE	1	94	17	9	16	3	AVERA	GE CONNECTED AN	MPS PE	R PHAS	E =		177		

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

- FIRST 10kVA @ 100%, REMAINDER @ 50%

MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH

LARGEST MOTOR CALCULATED @ 125% PER NEC

AVERAGE AMPS PER PHASE = 177

DIVERSIFIED TOTAL kVA = 2

AVERAGE AMPS PER PHASE = 5

RECEPTACLES: 2.7 kVA @ 100% = 2.7 kVA

ALL OTHER LOADS @ 100% : 1.0 kVA

RECEPTACLES:

OLTS	S/PHAS	SE/WIF	RE:		PAN	EL SIZ	ZE & TYPE:	MAIN SIZE AND T	YPE:			FED	FRON	/ 1:	CABINET:	LOCATION:		NC	TES:				
20/20	8\/ 3 F	PH 4 W	IRF				D. BOLT-ON	100 AMPERE MAIN	VI I I I	GS					SURFACE								
	SSORI		II \L				_,	FICATION, GROUN			<u> </u>				OUN AGE	AIC I	RATIN	C: 10	000				
	SOKI						TECTORY, IDENTIF	TOATION, GROOM	DING							AIC							
KT		OCP			AD (k\						HASE							AD (k\		L	OCP		CKT
10		POLE	BKR		PWR		DESCR	_		4		3	C	;	DESCR	_	_	PWR		BKR I	POLE		NO
1	20	1		0.0	0.0	0.0	EX EM LIGHTS 1		0.0	0.0					EX EM LIGHT		0.0	0.0	0.0		1	20	2
3	20	1		0.0	0.0	0.0	EX EM LIGHTS 1				0.0	0.0				UDEN WRK AREA	0.0	0.0	0.0		1	20	4
5	20	1		0.0	0.0	0.0	EX EM LIGHTS 1						0.0	0.0	EX EM LIGHTS BO		0.0	0.0	0.0		1	20	6
7	20	1		0.0	0.0	0.0	EX FIRE ALARI		0.0	0.0	0.6				EX EM LIGHTS BO	01101011=01=011	0.0	0.0	0.0		1	20	8
9	20	1		0.0	0.0	0.0	EX EXIT				0.0	0.0	0.0	0.0	EX EM LIGHTS BO		0.0	0.0	0.0		1	20	10
11	20	1		0.0	0.0	0.0	EX DOOR		0.0	0.0			0.0	0.0	EX EXIT	0.00	0.0	0.0	0.0		1	20	12
3	20	1		8.0	0.0	0.0	LTG A23		8.0	0.0					=	LOUNGE INFO	0.0	0.0	0.0		1	20	14
5	20	1		0.3	0.0	0.0	EX EM LIGHTIN				0.3	0.0	0.0	0.0	EX EM LIGHTS MU		0.0	0.0	0.0		1	20	16
7	20	1		0.0	0.0	0.0	EX FIRE CURTAIN			0.0			0.0	0.0	EX EM LIGHTS MU		0.0	0.0	0.0		1	20	18
9	20	1		0.0	0.0	0.0	EX FIRE ALARM		0.0	0.0	0.0					JLTI EVENT COVE	0.0	0.0	0.0		1	20	20
1	20	1		0.0	0.0	0.0	EX FIRE CURTAIN				0.0	0.0	0.0	0.0		GAME ROOM	0.0	0.0	0.0		1	20	22
3	20	1		0.0	0.0	0.0	EX DATA 2		0.0	0.0			0.0	0.0		S GAME ROOM	0.0	0.0	0.0		1	20	24
5	20	1		0.0	0.0	0.0	EX TELECOM F		0.0	0.0	0.0	0.0				S GAME ROOM	0.0	0.0	0.0		1	20	26
7	20	1		0.0	0.0	0.0	EX TELECO				0.0	0.0	0.0	0.0		DAMPERS	0.0	0.0	0.0		1	20	28
9	20	1		0.3	0.0	0.0	LTG EM AD		0.0	0.0			0.3	0.0		ANEL 2ND FLOOR	0.0	0.0	0.0		1	20	30
1	20	3		0.0	0.0	0.0	EX SOUTH		0.0	0.0	0.0	0.0			EX EM LIGHT		0.0	0.0	0.0		1	20	32
33							-				0.0	0.0	0.0	0.0	EX EM LIGHT		0.0	0.0	0.0		1	20	34
35	 E0						EX NORTH	- ANOVEEN	0.0	0.0			0.0	0.0	EX H&W VACCINE	S BASEMENT	0.0	0.0	0.0		1	20	38
37	50	2		0.0	0.0	0.0	EXNURIF	TIVICKEEN	0.0	0.0	0.0				SPA		0.0		0.0		1		40
39 I 1		1		0.0	0.0	0.0	SPA	- \CE			0.0					_	0.0	0.0			1		40
•		1		0.0	0.0	0.0				4		<u> </u>								42			
TAL	.5:							kVA PER PHASE		=		0	_	0 CONNECTED TOTAL kVA = 1 3 AVERAGE CONNECTED AMPS PER PHASE = 4									
	IVERS						CONNECTED A	MPS PER PHASE		6		2		5	AVERAC	SE CONNECTED AM	PS PE	K PHA	\SE =		4		

ALL OTHER LOADS @ 100%: 0.0 kVA - MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

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

- FIRST 10kVA @ 100%, REMAINDER @ 50%

MOTOR TOTALS INCLUDED IN ALL OTHER LOADS WITH

LIGHTING & CONTINUOUS LOADS: 1.3 kVA @ 125% = 1.7 kVA - 100% CONNECTED LOAD PLUS 25%

/OLT	S/PHA	SE/WII	RE:		PAN	EL SIZ	E & TYPE:	MAIN SIZE AND 1	YPE:			FED	FRO	VI:	CABINET:	LOCATION:		NC	TES:				
20/20	18V, 3	PH 4 W	/IRE		22" \	N x 6"	D, BOLT-ON	100 AMPERE MAI	N LU	GS		2M			SURFACE	ELEC 236N							
CCE	SSORI	ES:			PAN	EL DIF	RECTORY, IDENT	IFICATION, GROUN	IDING	BAR						AIC	RATIN	IG : 22	000				
СКТ		ОСР		LC	AD (k	VA)				Р	HASE	LOA	D				LO	AD (k\	/A)		ОСР	İ	СКТ
NO	AMP	POLE	BKR	LTG	PWR	СО	DESCI	RIPTION	/	A	E	3		•	DESC	CRIPTION	СО	PWR	LTG	BKR	POLE	AMP	NO
1	20	1		0.7	0.0	0.0	EX LTG ROO	OM A219, A218	0.7	0.0					S	PARE	0.0	0.0	0.0		1	20	2
3	20	1		1.3	0.0	0.0	EX LTG F	ROOM A123			1.3	0.0			S	PARE	0.0	0.0	0.0		1	20	4
5	20	1		1.5	0.0	0.0	LTG REST	LTG RESTROOM 230					1.7	0.0	S	PARE	0.0	0.0	0.0		1	20	6
7	20	1		0.5	0.0	0.0	LTG LOUNGE	G LOUNGE SITTING AREA 0.							S	PARE	0.0	0.0	0.0		1	20	8
9	20	1		0.0	0.0	0.0	SP	SPARE			0.0	0.0			S	PARE	0.0	0.0	0.0		1	20	10
11	20	1		0.0	0.0	0.0	SP	SPARE					0.0	0.0	S	PARE	0.0	0.0	0.0		1	20	12
13	20	1		0.0	0.0	0.0	SP	SPARE 0							S	PARE	0.0	0.0	0.0		1	20	14
15	20	1		0.0	0.0	0.0	SP	ARE			0.0	0.0			S	PARE	0.0	0.0	0.0		1	20	16
17	20	1		0.0	0.0	0.0	SP	ARE					0.0	0.0	S	PARE	0.0	0.0	0.0		1	20	18
19	20	1		0.0	0.0	0.0	SP	ARE	0.0	0.0					S	PARE	0.0	0.0	0.0		1	20	20
21	20	1		0.0	0.0	0.0	SP	ARE			0.0	0.0			S	PARE	0.0	0.0	0.0		1	20	22
23	20	1		0.0	0.0	0.0		ARE					0.0	0.0		PARE	0.0	0.0	0.0		1	20	24
25	20	1		0.0	0.0	0.0		ARE	0.0	0.0						PARE	0.0	0.0	0.0		1	20	26
27	20	1		0.0	0.0	0.0		ARE			0.0	0.0				PARE	0.0	0.0	0.0		1	20	28
29	20	1		0.0	0.0	0.0		ARE					0.0		S	PARE	0.0	0.0	0.0		1	20	30
OTAI	LS:						CONNECTE	D kVA PER PHASE	•	1	1	1	2	2		CONNE	CTED T	OTAL I	(VA =		4		
							CONNECTED	AMPS PER PHASE	1	0	1	1	1	4	AVER	AGE CONNECTED A	MPS PE	R PHA	SE =		11		

ALL OTHER LOADS @ 100% : 0.0 kVA

ALL OTHER LOADS @ 100% : 0.0 kVA

OUT OF TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

OUT OF TOTALS INCLUDED IN ALL OTHER LOADS WITH LARGEST MOTOR CALCULATED @ 125% PER NEC

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

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	1/3	10/27/2023
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		IFY DRAWINGS IN FIELD USE REFLECT
NO. \triangle	DATE	DESCRIPTION

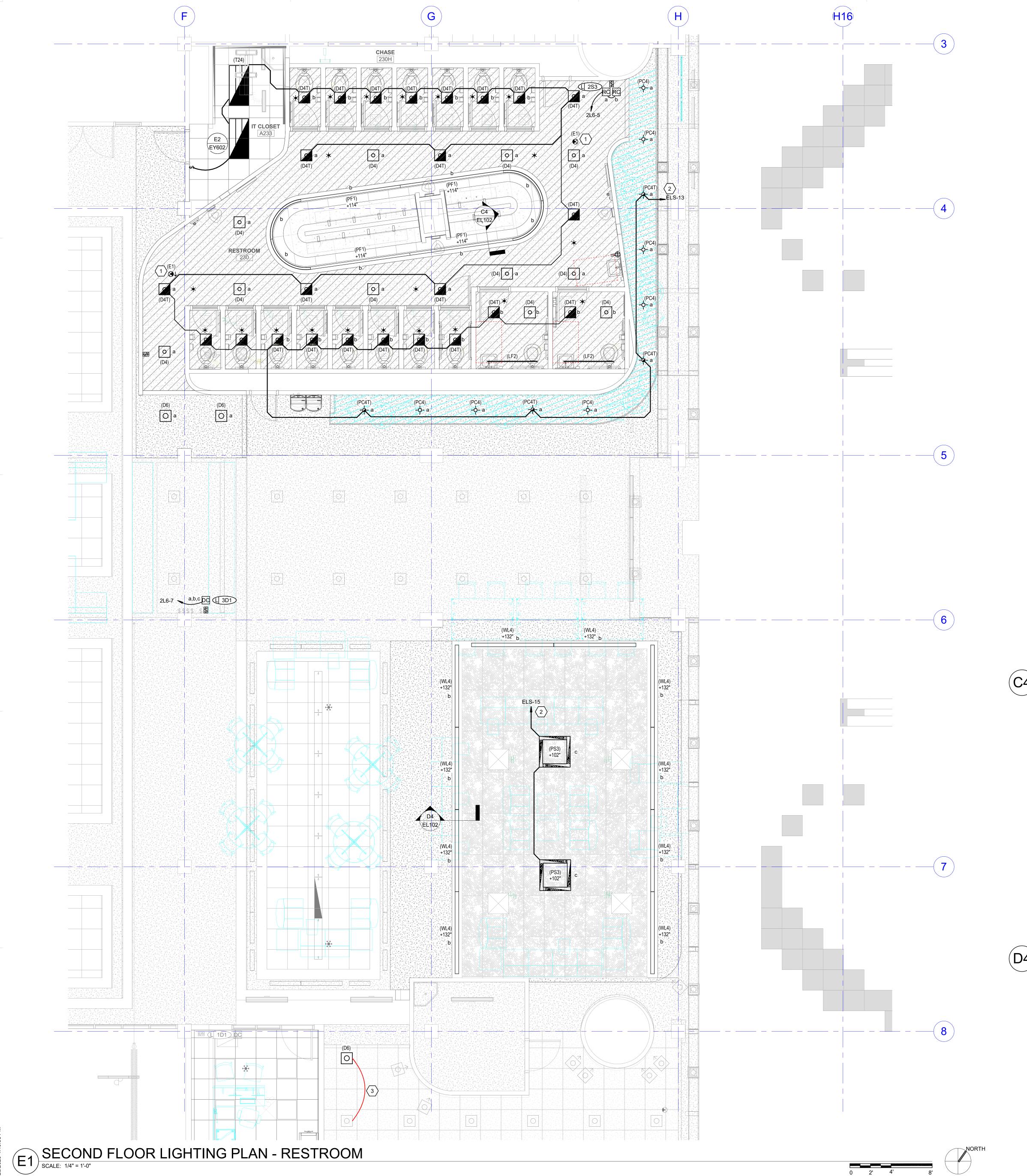
JE D SET

BID SET
27 OCTOBER 2023

SHEET NAME

ELECTRICAL SCHEDULES

EP601



PRIOR TO ROUGH-IN.

IN ROOM UNLESS NOTED OTHERWISE.

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

- 2 COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES ON THIS LEVEL WITH MECHANICAL EQUIPMENT, DUCT, PIPE, PLUMBING, ETC. PRIOR TO ROUGH-IN.
- 3 ALL EXPOSED CONDUITS ROUTED IN CEILING SHALL BE PAINTED TO MATCH CEILING.
- ALL CEILING MOUNTED DEVICES LOCATED IN LAY-IN GRID CEILINGS SHALL BE INSTALLED CENTERED IN CEILING TILES AND/OR ALIGNED WITH OTHER FIXTURES WITHIN THE SAME PLANE AND CEILING SPACE.
- LIGHTING CONTROL DIMMING AND ROOM CONTROLLER SHALL BE LOCATED AS FOLLOWS
 WHERE POSSIBLE UNLESS NOTED OTHERWISE. LOCATE ABOVE ACCESSIBLE CEILING NEAR
- WHERE POSSIBLE UNLESS NOTED OTHERWISE. LOCATE ABOVE ACCESSIBLE CEILING NEAR THE DOOR THAT CONTROLLER SERVES BUT OUT OF THE PATH OF EGRESS. REFER TO DETAIL.

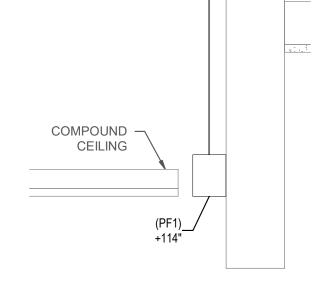
FIXTURES. COORDINATE LOCATIONS AND LIGHT FIXTURE DEPTHS WITH ALL OTHER TRADES

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

 ALLOW A MINIMUM OF 4" CLEARANCE ABOVE ALL CEILING MOUNTED RECESSED LIGHT
- COORDINATE HEIGHTS OF ALL PENDANT MOUNT LIGHTS WITH ARCHITECTURAL CEILING HEIGHTS AND AV EQUIPMENT HEIGHTS.
- REFER TO LIGHTING/SPACE CONTROL TYPE SCHEDULES FOR WIRING DIAGRAMS OF EACH
- 0 FIXTURE TAGS IN ROOMS WITH HEIGHTS FOR PENDANTS SHALL BE APPLIED TO ALL FIXTURES
- PROVIDE UNSWITCHED EMERGENCY HOT CIRCUIT TO ALL LIGHT FIXTURES WITH EMERGENCY TRANSFERS TO ALLOW FOR POWER LOSS SENSING.
- CONTRACTOR SHALL UPSIZE BRANCH CIRCUITS AND FEEDERS FOR VOLTAGE DROP BASED ON ACTUAL INSTALLED LENGTHS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE BRANCH CIRCUIT CONDUCTOR SIZING TABLE IN THE DRAWINGS AND SPECIFICATIONS.

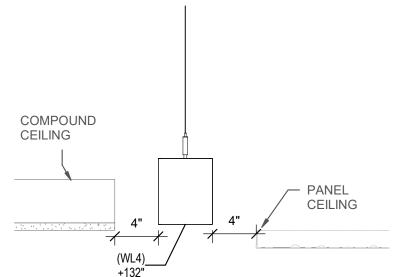
○ SHEET KEYNOTES

- 1 CIRCUIT TO EXISTING POWER AND CONTROLS CIRCUIT FOR EXISTING EXIT SIGNS.
- 2 CIRCUIT TO EXISTING EMERGENCY POWER AND CONTROLS CIRCUIT. CONTRACTOR TO VERIFY LOAD DOES NOT EXCEED 12AMPS.
- 3 CIRCUIT TO EXISTING LIGHTING IN THE EXISTING HALLWAY.



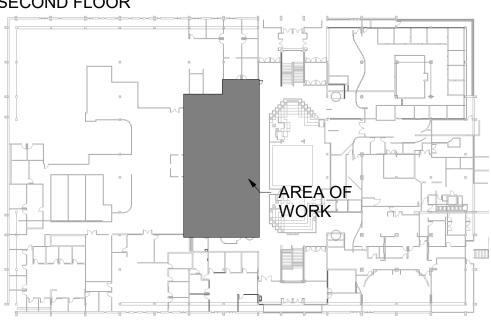
RESTROOM COVE
LIGHTING DETAIL

SCALE: 1 1/2" = 1'-0"



LOUNGE AREA COVE
LIGHTING DETAIL
SCALE: 1 1/2" = 1'-0"

KEY PLAN SECOND FLOOR





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REVIEW ROOF CTRUM

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LI CENSED	No. 10221159-2202 Matthew John Haverkamp	
,	10/27/2023	

MHTN PROJECT NO. 2022560.01

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CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

EVISIONS
ONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFL
AST REVISION DATE.

IO. DATE DESCRIPTION

BID SET 27 OCTOBER 2023

SECOND FLOOR LIGHTING - RESTROOM

EL102

				L	IGH1	ΓING/SPAC	CE CO	NTRO	L TYPE	SCHE	EDULE								
VIRING LEGEND	APPROVED MANUFACTURERS	LIGHTING CONTROL ID	GENERA	L NOTES									GENERAL NO	TES					
LINE VOLTAGE WIRING	1. WATTSTOPPER (BASIS OF DESIGN)	1. #= NUMBER OF ZONES	1. COORI	DINATE INITIAL PR	ROGRAMMIN	NG WITH OWNER AND MO	DIFY CONTROL T	IMES AND OP	PERATION AS REQ	UESTED BY OW	/NER.		5. REFER TO	PLANS FOR LO	CATIONS AND QU	JANTITIES OF DE	VICES.		
0-10V WIRING	2. NLIGHT	2. D = DIMMING, S = SWITCHING	2. PROVII	DE FINE TUNING F	PROGRAMM	IING AND ADJUSTMENTS	UPON REQUEST	BY OWNER W	/ITHIN FIRST 6 MO	NTHS AFTER SI	UBSTANTIAL COM	IPLETION.			NTROL TYPE WI	TH PROGRAMMIN	NG, ADJUST, AND	OBTAIN OWNERS A	PPROVAL PRIOR TO
CAT5E CABLING	3. LUTRON	3. P = DAYLIGHT PHOTOCELL	3. PROVII	DE CUSTOMIZED I	ENGRAVED	PERMANENT BUTTON LA	BELS ON EACH S	SWITCH, LABE	L TO MATCH BUT	ON LABEL ID O	R AS DIRECTED E	BY OWNER.						101DL E EOD DD 01 //DL	NO THE BEOLUBER
WIRING BY OTHERS	4. DOUGLAS	4. L = PLUG LOAD CONTROLLER				D ON WATTSTOPPER AS												ISIBLE FOR PROVIDI MATCH WITH THE SH	
O—O TMP SEGMENT NETWORK CABLING		5. # = INSTANCE		CTIONS AND CAPABILITIES OF THE BASIS OF DESIGN SYSTEM AND PRODUCTS. FAILURE TO MEET THESE SHALL REQUIRE THE CONTRACTOR TO VIDE A SYSTEM THAT DOES AT NOT ADDITIONAL COST.							OR TO						' SENSOR LAYOUT A AGE OF SPACES WIT	IND COVERAGE TH OCCUPANCY SENSOR	
ID	DETAIL		LIGHTS ON CONTROL		LIGHTING CONTROL TYPE	DAYLIGHT SENSOR TIME DEL SETTING (FC) TO OFF (M		PLUG LOA	AD NETWORKED LER CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
53							- 1						_	_	_		_	_	
SWITCH LMSW-102 SEI	UNSWITCH HOT RECONT LMF VP) OCCUPANCY NSOR LMDC-100 RECONT	OOM FROLLER RC-101 LIGHTING LOAD ON/OFF LIGHTING LOAD ON/OFF OOM FROLLER RC-101	MANUAL OR OCCUPANCY	MANUAL OR OCCUPANCY	IN/OFF		RELAY CLOSED ON OCCUPANC			FUNCTION: PRESS-ON LABEL ID: "ON'	FUNCTION: PRESS-OFF LABEL ID: "OFF'	-							
TO BUILDING AUTOMATION SYSTEM (BAS)	NEUTRAL — UNSWITCH HOT — TYP) 5-BUTTON ICENE SWITCH LMSW-105 (TYP) OCCUPANCY SENSOR LMDC-100 2 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	MING LLER C-213 LIGHTING LOAD "a" 0-10V DIMMING LIGHTING LOAD "b" 0-10V DIMMING LIGHTING LOAD "c" 0-10V DIMMING	MANUAL & OCCUPANCY	MANUAL OR DI OCCUPANCY 0-		- 15	RELAY CLOSED ON OCCUPANC			FUNCTION: PRESS TOP-ON, HOLE TOP-RAISE PRESS BOTTOM-OFF, HOLD BOTTOM-LOW! R LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF,	ZONE "a" 0% ZONE "b" 50% ZONE "c" 100% LABEL ID: "PRE E #1"	T PRESS-SELECT	FUNCTION: PRESS-SELECT ZONE "b" FOR DIMMING LABEL ID: "ZONE b"	FUNCTION: PRESS-SELECTONE "c" FOR DIMMING LABEL ID: "ZONE c"	Γ	-	-	-	

					GENE	RAL	. N	OTES			
		SUBSTITUTIONS AND/OF TO BID OPENING.	R EQUAL FIXTURES MU	JST RECEIVE A	PPROVAL PRIC	R TO BIDE	DING, ⁻	THEY MUST BE	SUBMITTE	D TO THE	ENGINEER NO LESS THAN 2 WEEKS PRIOR
	HEIGHT	2. SAMPLES MUST BE PRO	OVIDED FOR ANY AND A	ALL FIXTURES	UPON A/E REQ	UEST PRIC	OR TO	RELEASING FIX	KTURES.		
		3. ALL FIXTURES SHALL BE	E LISTED AND APPROV	ED FOR THEIR	INTENDED US	E AND LOC	OITA	٧.			
	DIAMETER	4. VERIFY THE PROPER MO	OUNTING KITS OR ACC	ESSORIES TO	FACILITATE IN	STALLATIO	N AS	SHOWN AT EAC	CH LOCATIO	AT NO NC	HE DRAWINGS.
	CTH	5. COMPLY WITH THE "INT	ERIOR LIGHTING" SEC	TION OF THE S	PECIFICATIONS	3 .					
	LENGTH	6. ALL LIGHT FIXTURES TO	BE EITHER "DLC" OR	"LIGHTING FAC	TS" LISTED OR	TO BE API	PROV	ED BY ARCHITE	ECT/ENGINE	EER AND	OWNER.
HEIG	SHT	AND REPORT ANY PROP									IBUTOR SHALL VERIFY THIS ALLOWANCE OR FREIGHT AS NOTED, AND DO NOT
	₹width	INCLUDE ANY TAXES.									
				DELIVERED	LUMINAIRE DELIVERED			С	RIVER		
ID	DESC	RIPTION	SIZE (NOMINAL)	DIRECT	INDIRECT LUMENS	COLOR TEMP	CRI	TYPE	VOLTAGE	WATTS	MANUFACTURER (CATALOG SERIES)
(D4)	DESCRIPTION: 4" ROUND REC MOUNTING: CEILING, RECESS	ESSED DOWNLIGHT, LED	LENGTH: - WIDTH: -	2,000		4000K	80	LED DRIVER (0-10V	120/277V	18	LITHONIA (LDN4 40/20 LO4 AR LSS MVOLT GZ1) PRESCOLITE (LTR-4RD)
	FINISH: SCBA OPTICS:		DEPTH: 7" DIAMETER: 4"					DIMMING) 1%			HALO (HC4) LITHOLIER (4RN)
	OPTIONS: EM:										
(D4T)	DESCRIPTION: 4" ROUND RECEMERGENCY TRANSFER DEV	ICE	LENGTH: - WIDTH: -	2,000		4000K	80	LED DRIVER (0-10V	120/277V	18	LITHONIA (LDN4 40/20 LO4 AR LSS MVOLT GZ1) PRESCOLITE (LTR-4RD)
	MOUNTING: CEILING, RECESS FINISH: SCBA OPTICS:	BED	DEPTH: 7" DIAMETER: 4"					DIMMING) 1%			HALO (HC4) LITHOLIER (4RN)
	OPTIONS: EM:										
(D6)	DESCRIPTION: 6" ROUND REC MOUNTING: CEILING, RECESS	•	LENGTH: - WIDTH: -	2,000		4000K	80	LED (0-10V DIMMING) 1%	120/277V	18	GOTHAM (EVO6-40/20-XX-MWD-LSS-MVOLT-GZ10)
	FINISH: SCBA OPTICS:		DEPTH: 7" DIAMETER: 6"					,			PRESCOLITE (LTR-6RD) LITHONIA (LDN6)
	OPTIONS: EM: NONE										HALO (HC6) LITHOLIER (6RN)
(E1)	DESCRIPTION: EXIT SIGN (SIN MOUNTING: CEILING, PENDAN	IGLE FACE) IT, SURFACE, WALL	LENGTH: 11" WIDTH: 8"	3		GREEN	-	LED DRIVER	120/277V	1	DUAL LITE (SE SERIES) LITHONIA (LE SERIES)
	FINISH: SCBA OPTICS: OPTIONS:		DEPTH: 2"								EVENLITE (CCDS SERIES) EMERGENSEE (SEEXDC)
(1.52)	EM:	LINEAR ELANCEIZIT	LENGTH: SEE PLANS	750		40001/	00	LED DRIVER	120/277	6	DIMINIA CLE (EVOD DW. 40.4 EL LI)
(LF2)	DESCRIPTION: 2" RECESSED MOUNTING: FLANGE FINISH: SCBA	LINEAR, FLANGE KII	WIDTH: 2.25" HEIGHT: 4"	750		4000K	80	(0-10V DIMMING) 1%	120/277	0	PINNACLE (EV2D-BW40-4-FL-U) LITECONTROL (3L-R-D) PRUDENTIAL LIGHTING (P23)
	OPTICS: OPTIONS:							,			FOCAL POINT (FSM2L)
(PC4)	EM: DESCRIPTION: 4" PENDANT C	YLINDER DOWNLIGHT LED W/	LENGTH: -	1,000		4000K	80	LED DRIVER	120/277V	10	GOTHAM (ICO4PC 40/10 AR LSS 40D MVOLT
	REGRESSED LENSE MOUNTING: PENDANT		WIDTH: - DEPTH: 9"					(0-10V DIMMING) 1%			GZ1 JBX PCAN S4 DDB) 3G LIGHTING (3G-PDL33RF)
	FINISH: SCBA OPTICS: OPTIONS:		DIAMETER: 5.5"								LIGHTOLIER (C4PDL)
(DC4T)	EM:	WI INDED DOMNING IT LED W	LENCTU	1.000		40001	00	LED DOWER	100/0771/	10	COTHAM (ICCARC 40/40 AR LCC 40R M) (OLT
(PC4T)	DESCRIPTION: 4" PENDANT C' REGRESSED LENSE, EMERGE MOUNTING: PENDANT		LENGTH: - WIDTH: - DEPTH: 9"	1,000		4000K	80	LED DRIVER (0-10V DIMMING) 1%	120/277V	10	GOTHAM (ICO4PC 40/10 AR LSS 40D MVOLT GZ1 JBX PCAN S4 DDB) 3G LIGHTING (3G-PDL33RF)
	FINISH: SCBA OPTICS:		DIAMETER: 5.5"					B. 170			LIGHTOLIER (C4PDL)
	OPTIONS: EM: EMERGENCY TRANSFER	DEVICE									
(PF1)	DESCRIPTION: 2" PENDANT MOUNTING: PENDANT		LENGTH: SEE PLANS RADIUS: CUSTOM	945		4000K	80	LED DRIVER (0-10V	120/277V	8	LIGHTING ELEMENTS (FAITH DS-4060-XX-XX-SO-D-80-40K-BK-UNV-DIM)
	FINISH: SCBA OPTICS:		WIDTH: 2" DEPTH:					DIMMING) 1%			KLUS MIFOR (MI SNAKE)
	OPTIONS: EM: *VALUES ARE PER FOOT OR F	PER LAMP*									
(PS3)	DESCRIPTION: PENDANT 36" S MOUNTING: PENDANT		LENGTH: SEE PLANS WIDTH: 36"	850	250	4000K	80	LED DRIVER (0-10V	120/277V	125	BETA CALCO (MACRO QUAD-LPF085-LPG025-CR80-CTA40-CTB40-V1-
	FINISH: SCBA OPTICS:		DEPTH: 4"					DIMMING) 1%			DA02) PMC LIGHTING (ARCX-LINEAR)
	OPTIONS: NO UV EM:										MARK (S4PIDMP SPP)
(T24)	* VALUES ARE PER FOOT OR DESCRIPTION: VOLUMETRIC		LENGTH: 48"	4,800		4000K	80	LED (0-10V	120/277V	40	LITHONIA (2ALL4)
	MOUNTING: GRID CEILING FINISH: SCBA		WIDTH: 24" HEIGHT: 4"					DIMMING) 1%			METALUX (24RLN) DAYBRITE (2CAXG)
	OPTICS: OPTIONS: EM: NONE										
	LIVI. INCINE										

INTERIOR LIGHTING FIXTURE SCHEDULE





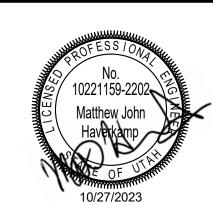
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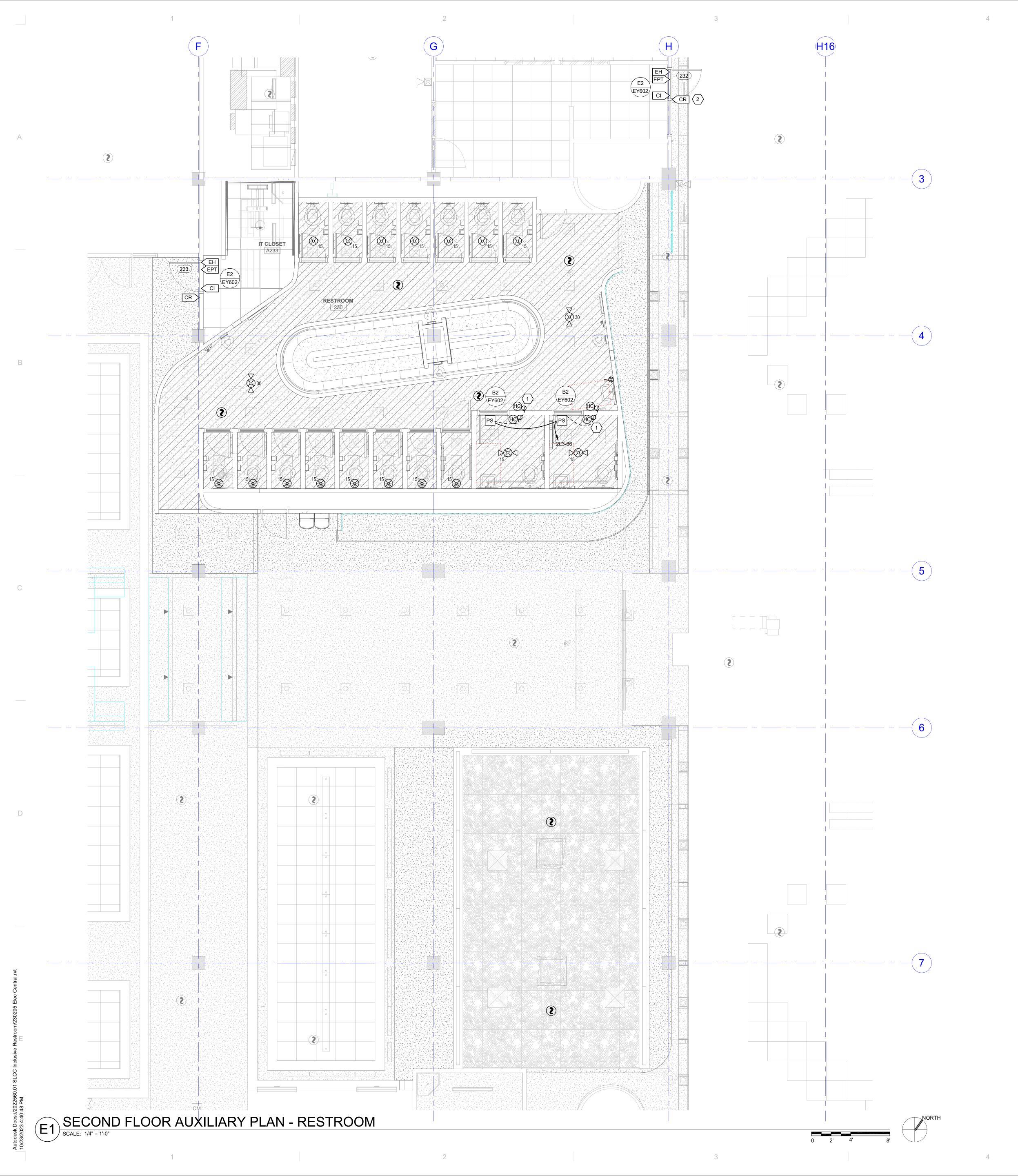
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CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT
LAST REVISION DATE.

NO. DATE DESCRIPTION

BID SET 27 OCTOBER 2023

INTERIOR LIGHTING FIXTURE SCHEDULE

EL601



- FIRE ALARM NOTIFICATION DEVICES SHALL BE ADJUSTED AS REQUIRED TO PROVIDE PROPER COVERAGE AND SOUND LEVELS.
- ALL FIRE ALARM DEVICES SHALL BE MOUNTED SUCH THAT THEY ARE VISIBLE FROM THE GROUND AND EASILY ACCESSIBLE FOR MAINTENANCE.
- CORRIDOR SMOKE DETECTOR SPACING SHALL NOT EXCEED 30FT ON CENTER.
- ALL CEILING MOUNTED DEVICES SHALL BE LOCATED IN THE CENTER OF CEILING TILES AND ALIGNED WITH ALL OTHER CEILING MOUNTED DEVICES.





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○ SHEET KEYNOTES

KEY PLAN
SECOND FLOOR

AREA OF WORK

- BOXES ARE LOCATED IN AN ACOUSTICAL WALL. BOXES SHALL BE STAGGERED TO KEEP SOUND TRANSMISSION FROM HAPPENING. BOXES TO BE WRAPPED IN ACOUSTIC PUDDY, PROVIDE SUBMITTAL AS PART OF WIRING DEVICE SUBMITTAL FOR PROJECT.
- CARD READER TO BE MULLION MOUNTED.

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SECOND FLOOR AUXILIARY PLAN

EY102

NO	IIFICA	110N S	CHEL	JULE
SYMBOL	STROBE SIZE	COVERAGE	AVERAGE CURRENT	MAXIMUM PER CIRCUIT AL
⊠ < 15	15 CD	20'x20'	.085A	17
30	30 CD	30'x30'	.135A	11
75	75 CD	40'x40'	.200A	7
110	110 CD	50'x50'	.225A	6

NO	IIFICA	HON S	CHEL	JULE
SYMBOL	STROBE SIZE	COVERAGE	AVERAGE CURRENT	MAXIMUM PER CIRCUIT ALOI
⊠ 15	15 CD	20'x20'	.085A	17
30	30 CD	30'x30'	.135A	11
75	75 CD	40'x40'	.200A	7

NOTIFICATION COHEDINE

GENERAL SHEET NOTES

- PLANS ARE BASED UPON 99 MONITOR AND CONTROL DEVICES PER ADDRESSABLE LOOP. OTHER CONFIGURATIONS ARE ACCEPTABLE SUBJECT TO CONTRACTOR ALLOWING FOR INCREASED WIRING REQUIREMENTS AND SUBMITTAL DRAWINGS SHOWING NEW WIRING CONFIGURATION. MAXIMUM INITIAL DEVICES PER LOOP SHALL NOT EXCEED 75% MAXIMUM
- PLANS ARE BASED UPON THE WIRING SCHEDULE SHOWN. WHERE MANUFACTURER'S REQUIREMENTS EXCEED REQUIREMENTS SHOWN, INCLUDE ADDITIONAL ASSOCIATED COSTS AND SUBMITTAL DRAWINGS INDICATING NEW WIRING CONFIGURATION.
- PLANS ARE BASED UPON 2 AMPS AT 24 VDC, NOT TO EXCEED 75% (1.50 AMPS AVAILABLE), POWER SUPPLY CAPACITY PER NOTIFICATION CIRCUIT. NOTIFICATION DEVICE LOADS ARE BASED UPON NOTIFICATION DEVICE SCHEDULE SHOWN. INCLUDE ADDITIONAL ASSOCIATED COSTS FOR INCREASED WIRING AND POWER SUPPLY CAPACITY IF LOADS OF ACTUAL DEVICES PROVIDED EXCEED CIRCUIT CAPACITY, OR IF LOAD OUTPUT OF ACTUAL POWER SUPPLIES PROVIDED IS SIZED DIFFERENTLY. PROVIDE SUBMITTAL DRAWINGS SHOWING NEW WIRING CONFIGURATION.
- FLOW AND TAMPER CONFIGURATION BASED UPON FIRE SPRINKLER DESIGN CONCEPT. FIELD VERIFY ACTUAL REQUIREMENTS. INCLUDE ANY ADDITIONAL MONITOR MODULES REQUIRED BY ACTUAL DESIGN REQUIREMENTS.
- HEAT DETECTORS WHEN INSTALLED IN ELEVATOR SHAFTS OR MECHANICAL ROOMS FOR ELEVATOR SHUT DOWN SHALL HAVE HEAT DETECTOR WITH LOWER RESPONSE TIME INDEX
- PROVIDE POWER SUPPLY CAPACITY AS REQUIRED FOR DOOR HOLD OPENS SHOWN.
- BATTERY CAPACITY TO BE ADEQUATE TO OPERATE 15 MINUTES AFTER 24 HOURS PLUS 25% SPARE CAPACITY.
- VFD REQUIRES TWO RELAYS, ONE FOR SMOKE CONTROL, ONE SPARE.
- RUN SPARE LOOPS IN SAME CONDUIT. DO NOT EXCEED 40% AREA FILL OF CONDUITS.

THAN SPRINKLER HEAD.

- 0 PROVIDE DUCT DETECTORS FOR SUPPLY AND RETURN AIR SYSTEMS OVER 2000 CFM. INSTALL
- DUCT DETECTORS PER NFPA 72 REQUIREMENTS AND PROVIDE ADDITIONAL DUCT DETECTORS DEPENDING UPON FINAL DUCT ARRANGEMENT.
- PROVIDE DUCT DETECTOR AT EACH FLOOR, PRIOR TO CONNECTION TO A COMMON RETURN AND PRIOR TO RECIRCULATING OR FRESH AIR INLET IN AIR RETURN SYSTEMS OVER 15,000 CFM CAPACITY AND SERVING MORE THAN ONE STORY.
- 2 PROVIDE MANUAL PULL STATIONS IN BOILER ROOMS AND KITCHENS.
- 13 PROVIDE ONE YEAR OFF SITE MONITORING INCLUDING ALL INTERFACE DEVICES AND MONITORING CHARGES. COORDINATE WITH BUILDING OWNER'S OFF SITE MONITORING
- 14 LOCATE SMOKE DETECTORS MINIMUM 3' FROM AIR SUPPLY AND RETURN LOUVERS.
- 5 PROVIDE SYNCHRONIZED STROBES THROUGHOUT FACILITY. PROVIDE SYNCHRONIZATION MODULES PER MANUFACTURER'S REQUIREMENTS. INCLUDE ADDITIONAL WIRING, IF
- 6 INITIATING AND INDICATING LOOPS SHALL NOT SERVE AN AREA OF GREATER THAN 22,500 SQUARE FEET. PROVIDE ADDITIONAL LOOPS FOR AREAS LARGER THAN THIS.
- 7 ALL OUTPUT DEVICES ARE DESIGNED ON SYSTEMS WITH 2 AMP POWER SUPPLY.
- 18 HORN/STROBE BASED ON 120 MILLIAMPS, DOOR HOLDERS BASED ON 70 MILLIAMPS.



ARCHITECTS MHTN Architects, Inc. 280 South 400 West Suite 250 Salt Lake City, Utah 84101 Telephone (801) 595-6700

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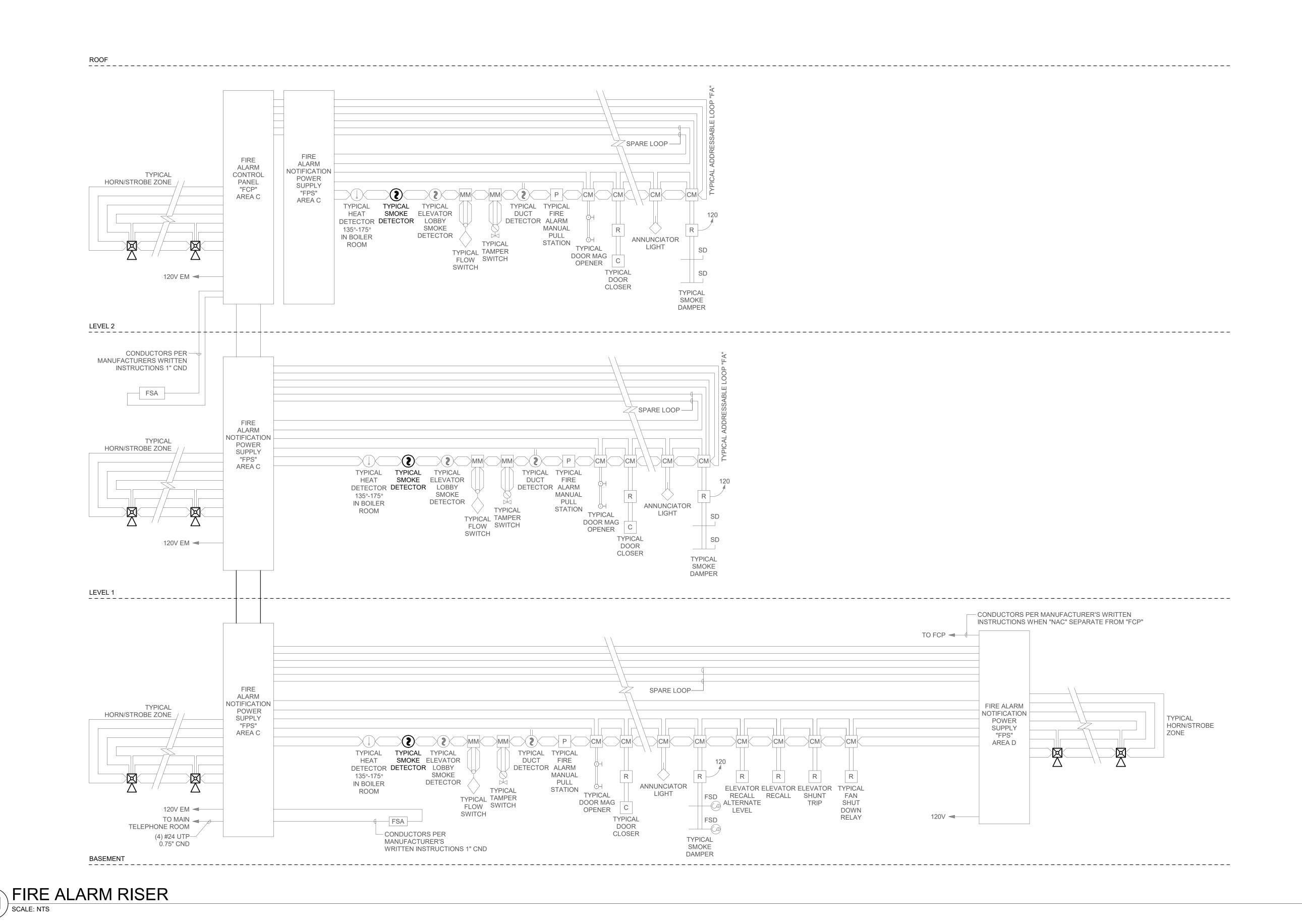
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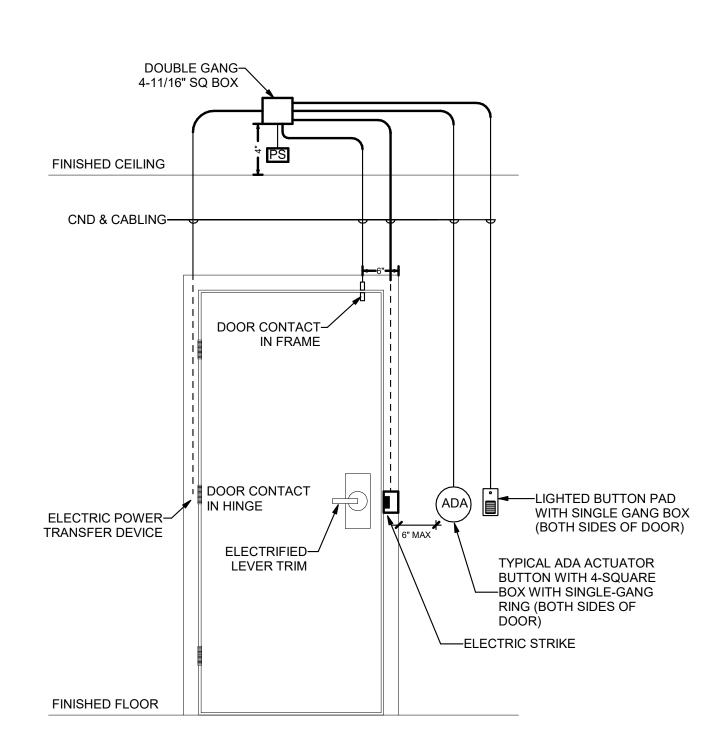
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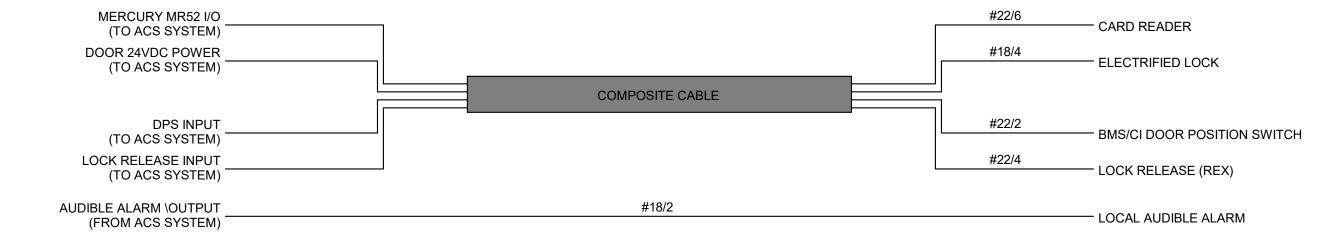
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FIRE ALARM RISER

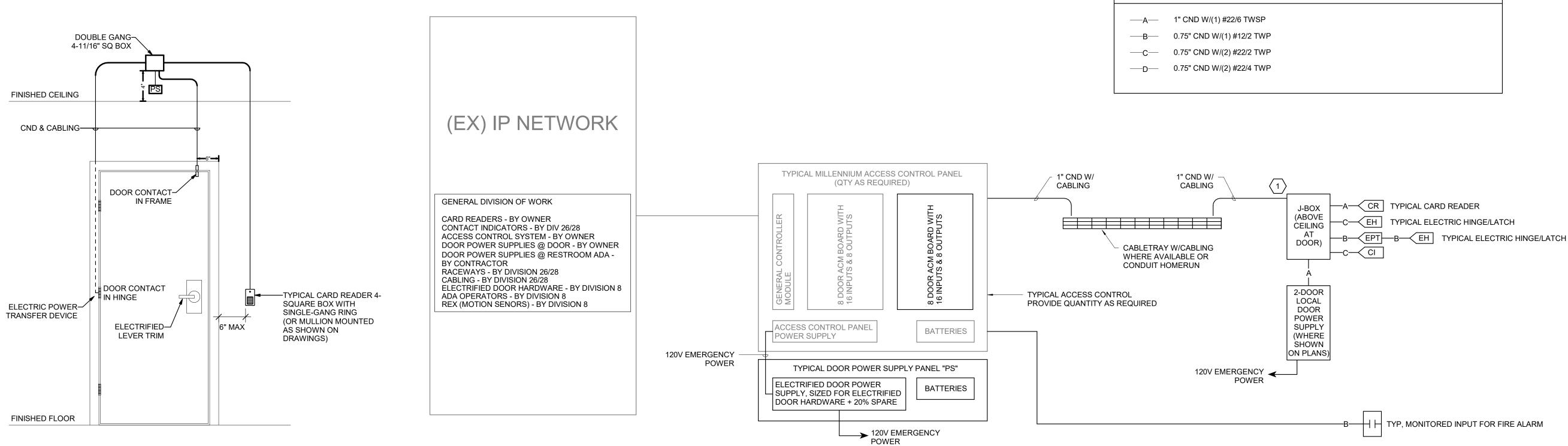




RESTROOM ADA DOOR ELECTRIFIED LEVER TRIM DEVICE DETAIL SCALE: NTS



TYPICAL SECURITY WIRING DETAIL

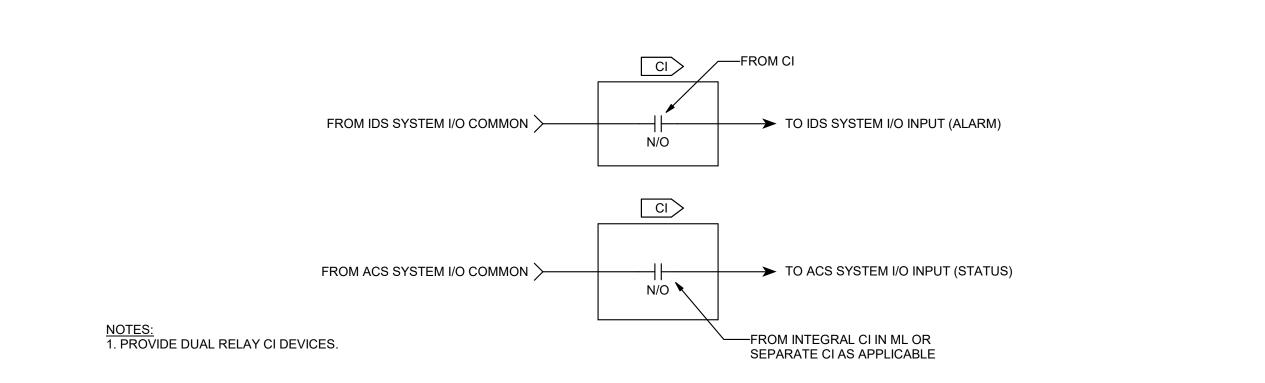


SINGLE DOOR ELECTRIFIED
LEVER TRIM DEVICE DETAIL
SCALE: NTS

ACCESS CONTROL RISER DIAGRAM

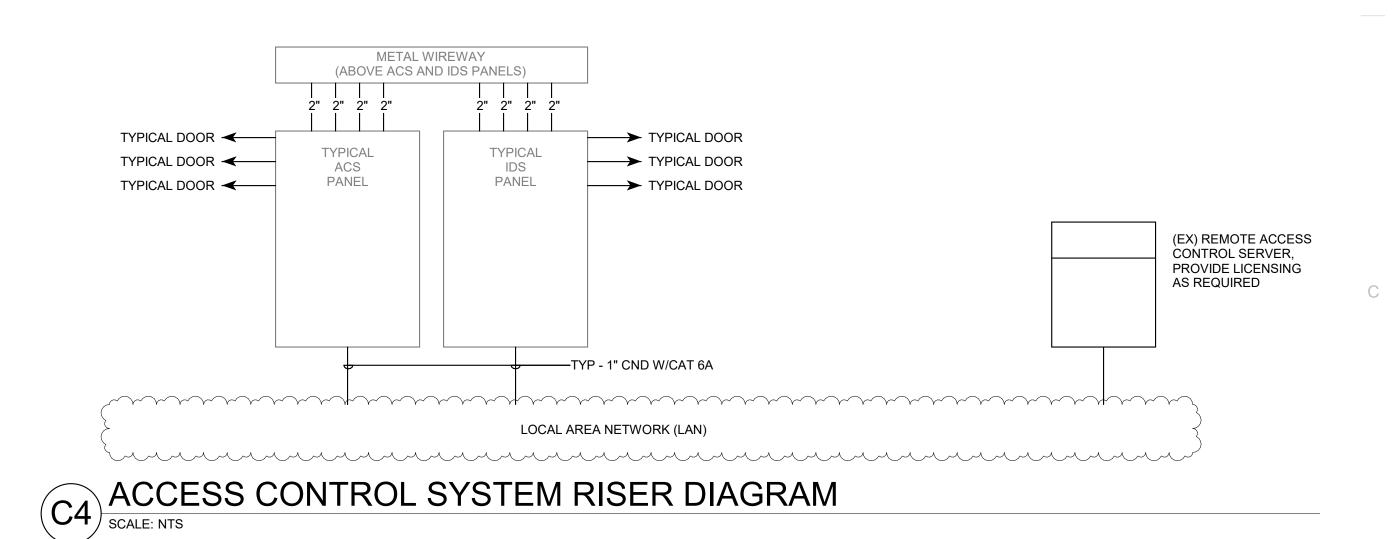
SCALE: NTS

 ○ SHEET KEYNOTES CONDUIT FROM DOOR SECURITY DEVICES SHALL BE RAN BASED ON FOLLOWING SCENARIOS: 1. OPEN CEILINGS - CONDUIT RAN TO NEAREST CABLE TRAY, CONDUIT HOME RUN TO NEAREST ACS/IT ROOM, OR CONDUIT STUBBED TO NEAREST ACCESSIBLE CEILING AS APPROVED BY ARCHITECTS 2. ACCESSIBLE CEILINGS - CONDUIT 90 AND STUBBED 12" ABOVE ACCESSIBLE CEILING. MHTN Architects, Inc. 3. HARD LID CEILING - CONDUIT RAN TO NEAREST CABLE TRAY, CONDUIT HOME RUN TO 280 South 400 West NEAREST ACS/IT ROOM, OR CONDUIT STUBBED TO NEAREST ACCESSIBLE CEILING AS APPROVED BY OWNER SECURITY GROUP. Salt Lake City, Utah 84101 Telephone (801) 595-6700 www.mhtn.com ⊪c&alt⊠rake⊪Gity, JT 84111 **≥**800-678-7077 801-328-5151 EPTATOROF 8014828-5155



DOOR POSITION SWITCH (CI) WIRING DETAIL

SCALE: NTS



ACCESS CONTROL SYSTEM CONDUIT
AND CABLING SCHEULE

—A— 1" CND W/(1) #22/6 TWSP

No.
10221159-2202

Matthew John
Haverkamp

10/27/2023

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SHEET NAME

AUXILIARY RISER

AUXILIARY RISER DIAGRAMS

EY602

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