

**Addendum No. 1
September 20, 2024**

Project: LATC Surgical Technology Renovation
Lake Area Technical College
Watertown, South Dakota

Architect: CO-OP Architecture

SCOPE OF THIS ADDENDUM:

To all bidders and all others to whom drawings and specifications have been issued by CO-OP Architecture.

Acknowledge receipt of this addendum by listing its number and date in the bidders Form of Proposal. Failure to do so may subject bidder to disqualification. This Addendum forms a part of the Contract Documents.

It modifies them as follows:

GENERAL ITEMS:

- 1) Sealed Bids will be received by the Watertown School District No.14-4 Of Codington, South Dakota at the Lake Area Technical College Student Center Administrative Offices (Room TBD), 1201 Arrow Avenue, Watertown, South Dakota at **2:00pm., local time on Thursday, October 3, 2024.**
- 2) A pre-bid meeting was held at the project site at 1:00 pm, local time on Thursday September 19, 2024. Meeting minutes are attached. All prospective bidders to note a revised earlier construction start date is possible.
- 3) Builder's risk insurance will be carried by the Owner.
- 4) Estimated cost of construction: \$1,500,000
- 5) Bid form is attached.

APPROVED SUBSTITUTIONS:

<u>SECTION</u>	<u>PARAGRAPH</u>	<u>REQUESTED SUBSTITUTION/MANUFACTURER</u>
087100	2.9	Record 8100 Heavy Duty Swing Door Operator

REVISIONS TO SPECIFICATIONS:

TABLE OF CONTENTS

- a) Revise 077523 to 075323.
- b) Revise 083400 to 083200.
- c) Revise 097000 to 097200.

PAGES 230-344

- a) These pages originally contained duplicate information and shall be omitted from the project manual. Project manual has been updated in the shared file folder.

SECTION 015000

- a) 1.02 A – Temporary utilities will be provided by Owner.

SECTION 068316

- a) 2.02 A-4 – Color to be selected from manufacturer's full range.

- b) 2.03-C – Sealant color to match color of wall panel.

SECTION 092116

- a) 1.01 D – Delete cementitious backing board.
- b) Reference 2.02: Remove lines 5-8 from ceiling board portion of specification. Replace with subsection 'D' as follows:
 - D. Glass Mat Faced Sheathing: Glass mat faced gypsum substrate as defined in ASTM C1177/C1177M.
 - 1. Application: All wall tile locations at steel stud walls.
 - 2. Core Type: Regular.
 - 3. Regular Board Thickness: 1/2 inch.
 - 4. Glass Mat Faced Products:
 - a. CertainTeed Corporation; GlasRoc Brand.
 - b. Georgia-Pacific Gypsum; DensGlass Sheathing.
 - c. National Gypsum Company; Gold Bond eXP Sheathing.
 - d. Substitutions: See Section 016000 - Product Requirements.

SECTION 102800

- a) 2.04 A, B, C, & F – Remove from project. These will be provided and installed by Owner.

REVISIONS TO DRAWINGS:

- 1) DRAWING SHEET D100
 - a. DEMOLITION FLOOR PLAN, 1/D100: Added keynote 2.85 indicating window treatment removal.
 - b. ENLARGED RR DEMO, 2/D100: Revise keynote 2.25 to 2.55 at Men's 113 and Women's 114 toilet removal.
 - c. ENLARGED RESTROOM DEMO PLAN, 3/D100: Extents of stone shelving has been added to Women's 102B. Revised keynote at entry doors to add removal of both door and transom.
 - d. CORRIDOR DEMO SECTION, 4/D100: Revise keynote 2.32 to 2.33.
- 2) DRAWING SHEET A121
 - a. Add WP-1 to wall finish of room 160B in room finish schedule. See finish plan for extents.

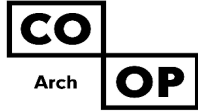
MECHANICAL & ELECTRICAL:

Addendum items have been attached.

FOR REFERENCE:

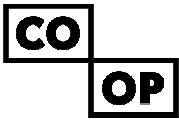
- 1) Stryker Equipment Plans
 - a. See attached for the preliminary medical equipment plans. Note that these plans are included for REFERENCE ONLY. This work is outside the bid scope. Any questions pertaining to the equipment can be directed to Pete Sanchez or Kevin Crow at Stryker. Contact information is on the cover sheet of their drawings.
- 2) Existing Drawings
 - a. Existing Drawings have been added to the shared file folder originally distributed. They are also available by request to trevor@co-oparch.com. These drawings are provided for informational purposes only.

END OF ADDENDUM-1



Plan Holders List

#	Trade	Name	Location	Email	Phone
	Owner	Lake Area Technical College	Watertown, SD	ortmeies@lakeareatech.edu	605-882-5284
	Architect	CO-OP Architecture	Sioux Falls, SD	trevor@co-oparch.com	605-334-9999
	Mechanical Engineer	Sichmeller Engineering	Aberdeen, SD	Travis@mseng.biz	605-225-4344
	Electrical Engineer	Schroeder Engineering	West Fargo, ND	josh.schroeder@schreng.com	701-951-9177
1	Builders Exchange	Aberdeen Builders Exchange	Aberdeen, SD	dakotabuild@midconetwork.com	605-290-4210
2	Builders Exchange	Construction Industry Center	Rapid City, SD	chrissy@constructionindustrycenter.com	605.343.5252
3	Builders Exchange	Fargo Moorhead Builders Exchange	Fargo, ND	info@fmbx.org	701-237-6772
4	Builders Exchange	Plains Builders Exchange	Sioux Falls, SD	info@plainsbuilders.com	605-334-8886
5	Builders Exchange	Sioux Falls Builders Exchange	Sioux Falls, SD	info@sfbx.com	605-357-8687
6	Builders Exchange	Minnesota Builders Exchange	Minneapolis, MN	jb@mbex.org	605-223-9600
7	Builders Exchange	Dodge Construction Network	Grand Prairie, TX	brandi.flanagan@construction.com	844-326-3826
8	Builders Exchange	Construct Connect	Cincinnati, OH	Philip_Garcia@Constructconnect.com	513-458-8521
1	General Contractor	Gray Construction	Watertown, SD	dustin@grayconstruct.com	605-886-3102
2	General Contractor	Hasslen Construction	Ortonville, MN	jade@hasslenconstruction.com	320-305-2191
3	General Contractor	Clark Drew	Brookings, SD	dalton@clarkdrewconstruction.com	605-695-6121
4	General Contractor	Sunkota Construction	Soux Falls, SD	kevin@sunkotaconstruction.com	605-338-9110
5	General Contractor	Hausmann Construction	Sioux Falls, SD	travist@hausmannconstruction.com	605-625-5469
6	General Contractor	Huff Construction	Sioux Falls, SD	leroya@huffconstructionllc.com	605-413-9013
1	MEP	Active Heating, Inc.	Watertown, SD	ericm@activeheatinginc.com	605-882-2663
2	MEP	Efraimson Electric Inc.	Bryant, SD	estimator@efraimsonelectric.com	605-868-2426
3	MEP	Warne Plumbing & Heating	Watertown, SD	steve@warneplumbingandheating.com	650-237-6115
4	MEP	Engelstad Electric	Watertown, SD	svoelsch@iw.net	605-886-5508
1	Flooring	Duane's Floor Coverings	Watertown, SD	dj@duanesfloorcovering.com	605-880-0500
2	Flooring	Montgomery's	Watertown, SD	j.vanmeveren@montgomerys.com	605-886-5000



PRE-BID MEETING AGENDA

CO-OP Project #2411

PROJECT NAME:

Lake Area Technical College – Surgical Technology Renovation
Watertown, South Dakota

Date & Time: Thursday, September 18, 2024 at 2:00 pm

- 1) Introductions & Sign-In
- 2) Date, Time, and Place of Bid Opening (accepting until **2:00PM on October 3, 2024**)
 - a. Bid Opening Location:
 - a) Lake Area Technical College Student Center Administrative Offices
1201 Arrow Avenue, Watertown. SD 57201
 - b. Review the "Instruction to Bidders" for all required information and documentation.
 - c. No bids will be accepted after bid time.
 - d. Notice of Award: **On or near October 14th, 2024**
 - e. Notice to Proceed: **ASAP after Award**
 - f. Construction Start Date: **Can immediately follow Notice to Proceed provided execution of construction contract has been completed and building permit has been issued.**
 - g. Substantial Completion: **June 27th, 2025**
- 3) Bidding Procedures
 - a. Bid must be in a sealed envelope and accompanied with a bid bond or cashier's check.
 - b. The price cannot be revealed in modification or other means.
 - c. The bid opening is **October 3rd, 2024.**
 - d. You can mail your bid in ahead of time.
 - e. 10% bid bond or a 5% cashier's check/certified, of the amount of the base bid must accompany the bid.
 - f. Bid bond or cashier's check must be made payable to Lake Area Technical College.
 - g. Review the "Instructions to Bidders" for additional information.
- 4) Liquidated Damages: \$500 per day from June 27, 2025, substantial completion.
- 5) Special Conditions – Use of the Site
 - a. Owner use of site:
 - a) The Owner will occupy the building surrounding the renovation area for the entirety of the project.
 - Contractor will get access to the project after contract is in place and a building permit has been issued. The adjacent spaces will be occupied. The contractor will need to partition off and clean round the work area daily. Coordination will be required with LATC staff for loud work, especially during demolition.
 - b. Contractors parking and staging was discussed.

1108 S. Main St. #102 | Aberdeen, SD 57401

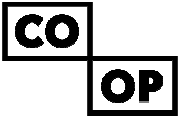
T: (605) 725-4852

601 Kansas City Street #7 | Rapid City, SD 57701

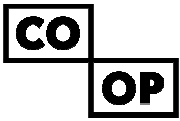
T: (605) 716-3652

440 E. 8th St #221 | Sioux Falls, SD 57103

T: (605) 334-9999



- a) 7-8 parking spaces directly to the west of the project will be reserved for Contractor use. This If additional material storage is required, there is a surface parking lot available north of campus.
- 6) Prior Approvals: Electronic Via Email.
 - a. trevor@co-oparch.com
- 7) Communication during Bidding
 - a. Questions - ***to be formally addressed by addendum only.***
 - b. Conversations that are not documents in an addendum or in these minutes attached to the addendum are not part of the Contract Documents.
 - c. Questions should be directed through the Architect.
- 8) Last Addendum Date: **Monday, September 30th, 2024**, unless extenuating circumstances require one more.
 - a. Prior Approvals: Must be turned in by close of business, on **Friday, September 27th, 2024**.
- 9) Requirement of all contractors to discuss any conflict between the plans and specifications and/or the project requirements with Design Professional prior to the last addendum date.
 - a. All Contractors shall carefully study and compare the Contract Documents and shall at once report to the A/E of any error, inconsistency or omission they may discover.
 - b. **Should the Drawings or the Specifications disagree in themselves or with each other, the Contractor shall provide the better quality of work and/or materials unless otherwise directed by written change.**
 - c. **All questions, revisions to the drawings and specifications, and any other communications will be addressed via the addendum.**
- 10) Questions and Discussion
 - a. Owner questions and comments
 - a) There is an existing IT closet directly to the north of Circulation 160. Extra care and precaution will need to be taken to ensure all existing systems remain operational throughout project duration. Any planned shutdowns or switching over of equipment to be coordinated with and planned around Owner's schedule.
 - b. Contractor questions and comments
 - c. Existing Facility Tour
 - a) Bidders that were not able to attend this preconstruction meeting are encouraged to contact the Owner's representative to schedule a site visit.
Shane Ortmeier, Director of Support Operations
ORTMEIES@lakeareatech.edu
605-882-5284



Notes:

End of Pre-Bid Meeting

1108 S. Main St. #102 | Aberdeen, SD 57401

T: (605) 725-4852

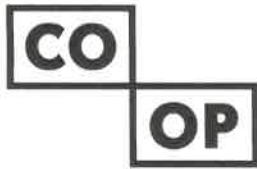
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T: (605) 334-9999

www.co-oparch.com



Pre-Bid Meeting – LATC Surgical Technology Renovation

CO-OP Project #2411

DATE: 09-19-2024

NAME	COMPANY	PHONE	EMAIL
Kurt Thompson	Eftainson Electric	605-868-2426	Estimator@eftainson-electric.com
DALTON HOLM	CLARK DREW	605-695-6121	dalton@clarkdrewconstruction.com
Eric Miles	Active Heating	605-216-0164	ericm@activeheatinginc.com
LeRoy Asa	Huff Const	605-413-9013	leroy@huffconstructionllc.com
Theo Jacobsen	Active	882-2668	tho@activeheatinginc.com
Stott Voelsch	Emelstad	520-4743	Svoelsch@emelstad.com
Dustin Brall	GRAY CO.	886-3102	dustin@grayco-const.com
STEVE WARNE	WARNE PA#	297-6115	Steve@WarnePlumbingandHeating.com
Kevin Aray	Sunkota Con.	605-338-9110	Kevin@sunkotaconstruction.com
Luke Malsom	Sichmoller	605-216-7523	LukeM@siceng.biz
DJ York	Dunes Floor Covering	605 880 0500	dj@dunesfloorcovering.com
TRAVIS TIPLER	HAUSMANN	605-695-2636	TRAVIS@HAUSMANNCONSTRUCTION.COM
JASON VANMEVEREN	MONTGOMERY'S		J.VANMEVEREN@MONTGOMERY'S.COM
JADE HASSLEN	Hasslen Constr.	320-305-2191	JADE@hasslenconstruction.com

BID FORM

PROJECT: Surgical Technology Renovation

TO: Lake Area Technical College
1201 Arrow Avenue
Watertown, South Dakota 57201

Bid of: _____
(hereinafter called "Bidder")

The Bidder, in compliance with your Advertisement for Bids for the Complete Construction (general, mechanical and electrical) work for the proposed building renovations, having examined the drawings and specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies, and to construct the project in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents- of which this Bid is a part. Bidder hereby agrees to commence work under this Contract on or before a date to be specified in written "Notice to Proceed" of the Owner, and to fully complete the project at the dates set forth in the Contract Documents.

BIDDER AGREES TO PERFORM THE COMPLETE CONSTRUCTION for the following sum:

For the following Base Bid:

_____ (\$ _____)

ADDENDA:

The undersigned acknowledge receipt of addenda as noted and the bid submitted herewith is in accordance with the stipulations set forth herein.

- ADDENDUM NO _____ DATED _____
- ADDENDUM NO _____ DATED _____
- ADDENDUM NO _____ DATED _____
- ADDENDUM NO _____ DATED _____

The undersigned agrees that his bid may not be withdrawn for a period of 30 days from the time set for opening of bids and that if notified of acceptance of his Proposal within the stated time, or at any time thereafter before the bid is withdrawn, he will within ten (10) days of such notification, execute and deliver a Contract in the Form of Contract specified.

The Contractor shall commence work under this Contract within ten (10) calendar days after the date of receipt by him of Notice to Proceed, to prosecute said work diligently, and to complete the entire project ready for use at the dates set forth in the Contract Documents. The time stated for completion shall include a time allowance for inspections, completion of items requiring further attention and a final cleanup of premises.

The above bid includes State and Local Sales Tax on materials and all other State and Federal Taxes that would affect the amount of the bid.

In submitting this bid it is understood that the right is reserved by the Architect and Owners to reject any and all bids and to waive all informalities.

BIDDER: _____

BY: _____

TITLE: _____

BUSINESS
ADDRESS: _____

STATE OF
INCORPORATION: _____
(SEAL)



REVISION SCHEDULE:

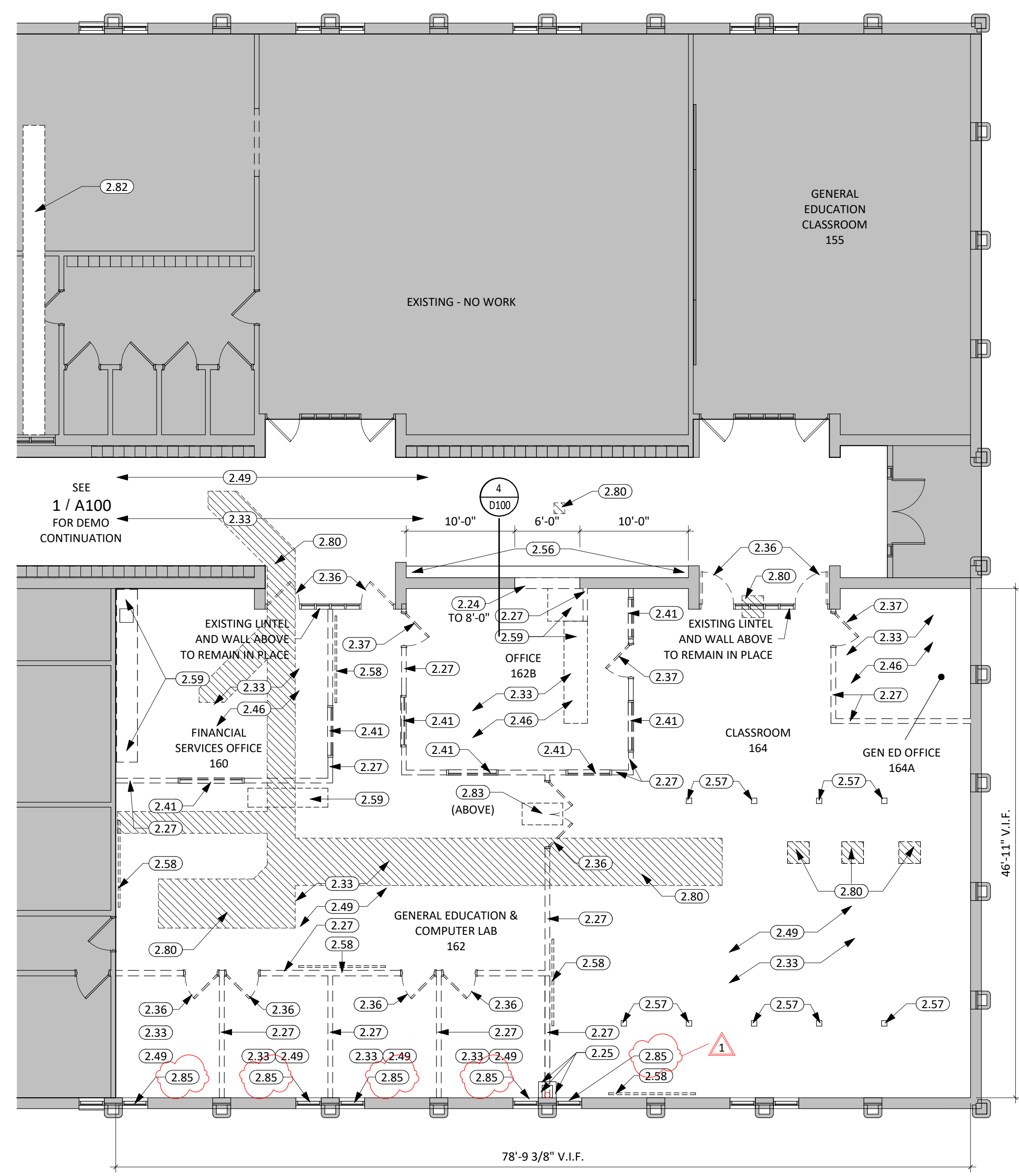
REV. #	REV. DSC.	REV. DATE
1	ADD-1	9-20-24

GENERAL NOTES

- DEMOLITION SHALL INCLUDE ALL ITEMS KEYNOTED ON DEMOLITION SHEETS, BUT ARE NOT LIMITED TO THESE ITEMS. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO ALLOW FOR COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
- DASHED LINES INDICATE WALLS/ROOF OR PORTIONS OF WALLS/ROOF TO BE DEMOLISHED, ALL SHADED WALLS REPRESENT EXISTING WALLS TO REMAIN.
- GENERAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND COORDINATE SCOPE OF DEMOLITION WITH EACH DISCIPLINE.
- CONTRACTOR TO PROTECT EXISTING MATERIALS/SPACES WHICH ARE TO REMAIN OR BE REUSED. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR REPAIRED TO MATCH EXISTING.
- SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELEVANT TO DEMOLITION & PATCHING.
- DEMOLITION OF WALLS INCLUDE ALL ITEMS ATTACHED TO THE WALL, UNLESS NOTED TO BE SALVAGED. COORDINATE WITH OWNER ON ANY DEMO ITEMS TO BE SALVAGED FOR REUSE.
- CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- HATCHED AREA INDICATES CONCRETE FLOOR TO BE REMOVED, COORDINATE WITH M/E:

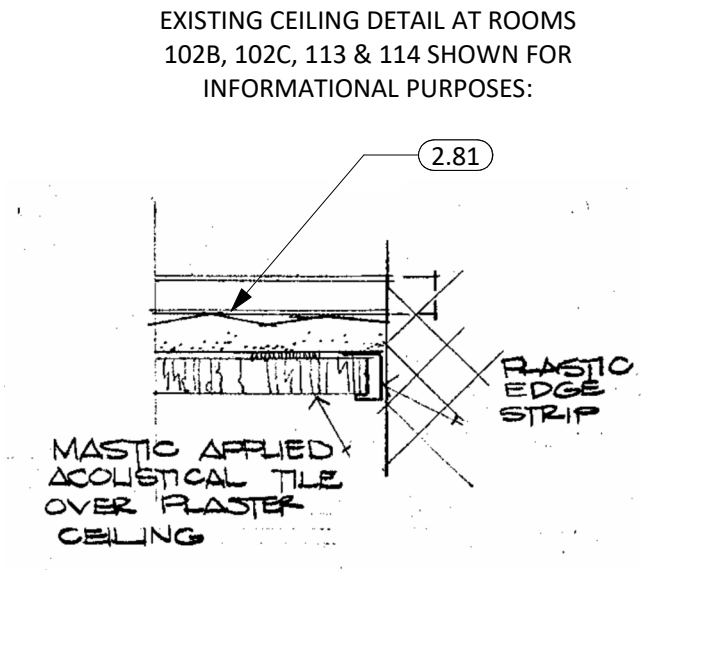
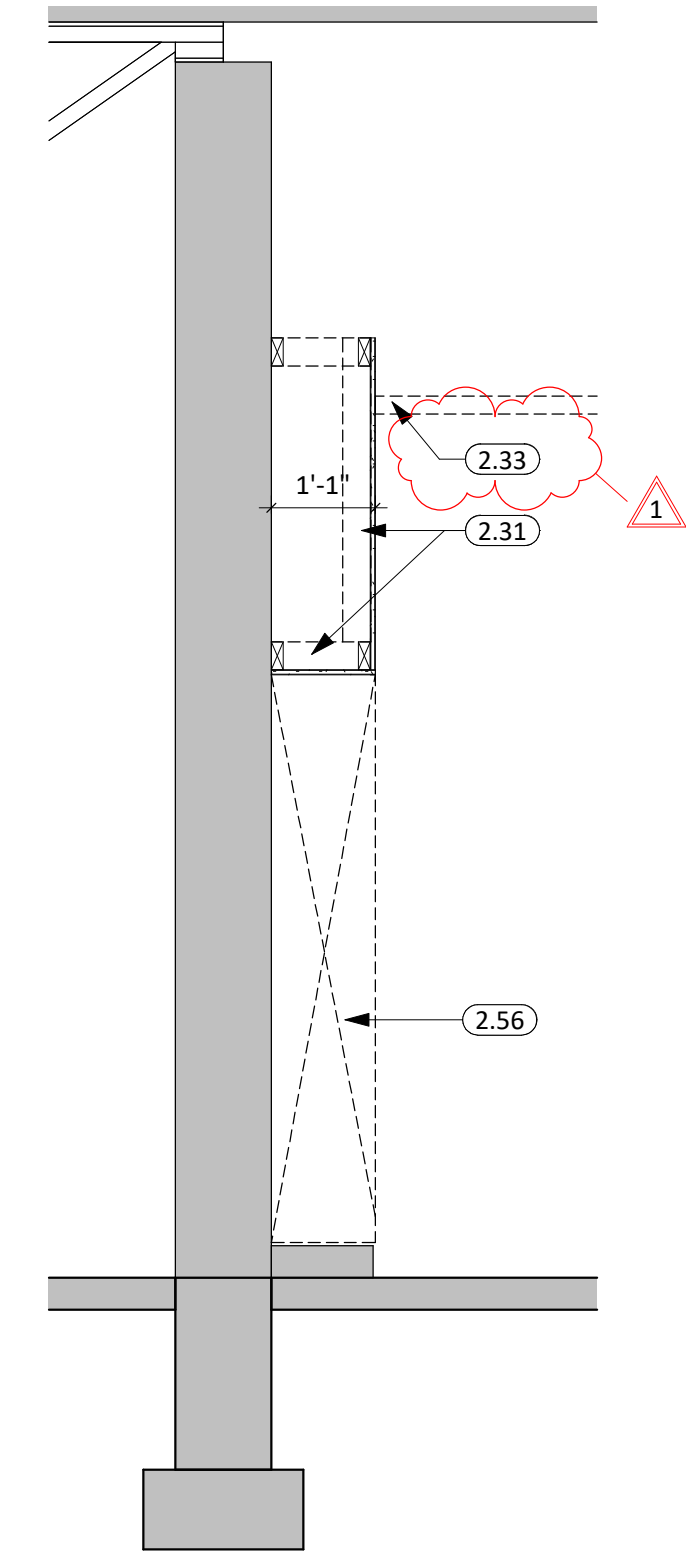
KEYNOTE SCHEDULE

2.24	REMOVE PORTION OF MASONRY WALL
2.25	REMOVE MASONRY WALL
2.27	REMOVE STUD FRAMED WALL
2.31	REMOVE GWB SOFFIT
2.33	REMOVE ACOUSTIC PANEL CEILING
2.36	REMOVE DOOR & H.M. FRAME
2.37	REMOVE DOOR & WOOD FRAME
2.41	REMOVE WINDOW UNIT
2.46	REMOVE CARPET & VINYL BASE (INCLUDING ALL ADHESIVES)
2.49	REMOVE VCT & VINYL BASE (INCLUDING ALL ADHESIVES/SETTING MATERIALS)
2.52	REMOVE STONE TOILET PARTITION AND ACCESSORIES
2.54	REMOVE SINK
2.55	REMOVE TOILET
2.56	REMOVE METAL LOCKERS
2.57	REMOVE ELECTRICAL RACEWAY
2.58	REMOVE WHITEBOARD
2.59	REMOVE CASEWORK & COUNTERTOP
2.68	REMOVE ALL FLOOR TILE AND MORTAR BED
2.69	REMOVE ALL WALL TILE AND MORTAR BED
2.70	REMOVE MIRROR
2.71	REMOVE STONE SHELVING
2.72	REMOVE BENCH
2.75	REMOVE SHOWER CURB
2.76	REMOVE URINAL, PATCH TO MATCH EXISTING
2.77	REMOVE RECESSED WASTE DISPOSAL AND INFILL WALL
2.78	REMOVE CRACKED ACRYLIC DOME ON EXISTING SKYLIGHT
2.80	REMOVE PORTION OF CONCRETE SLAB
2.81	REMOVE MASTIC APPLIED ACOUSTICAL TILE OVER PLASTER CEILING
2.82	REMOVE AND REPLACE EXISTING CEILING TILE TO ACCOMMODATE PLUMBING WORK REQUIRED
2.83	REMOVE PORTION OF EXISTING ROOF DECK, INSULATION, AND SINGLE MEMBRANE ROOFING TO ACCOMMODATE INSTALLATION OF NEW OVERFLOW ROOF DRAIN
2.84	REMOVE WOOD DOOR AND TRANSOM ABOVE. REFERENCE FRAME TYPE 4.
2.85	REMOVE HORIZONTAL BLINDS



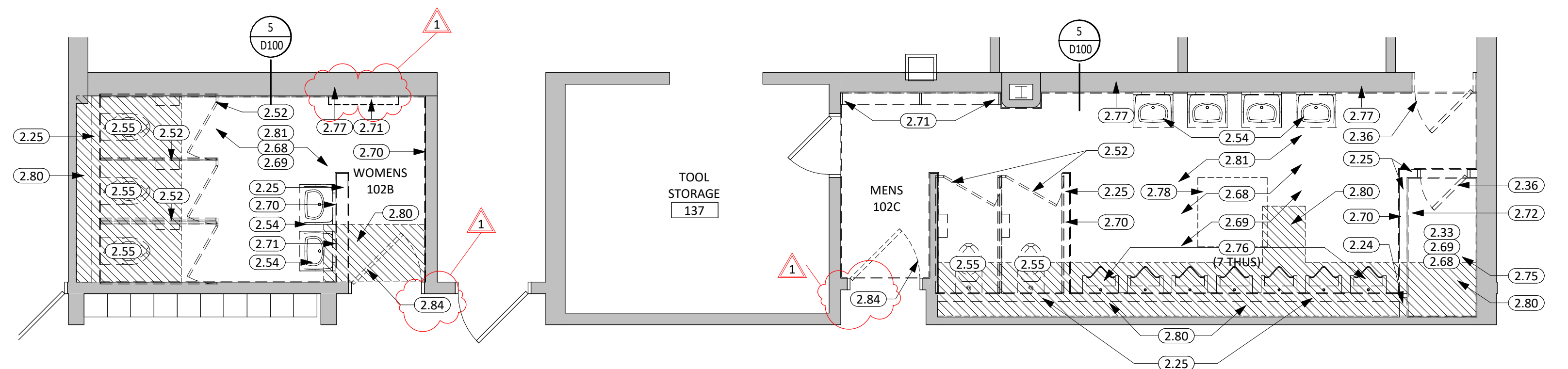
4 CORRIDOR DEMO SECTION
1/2" = 1'-0"

5 EXISTING CEILING DETAIL
3" = 1'-0"

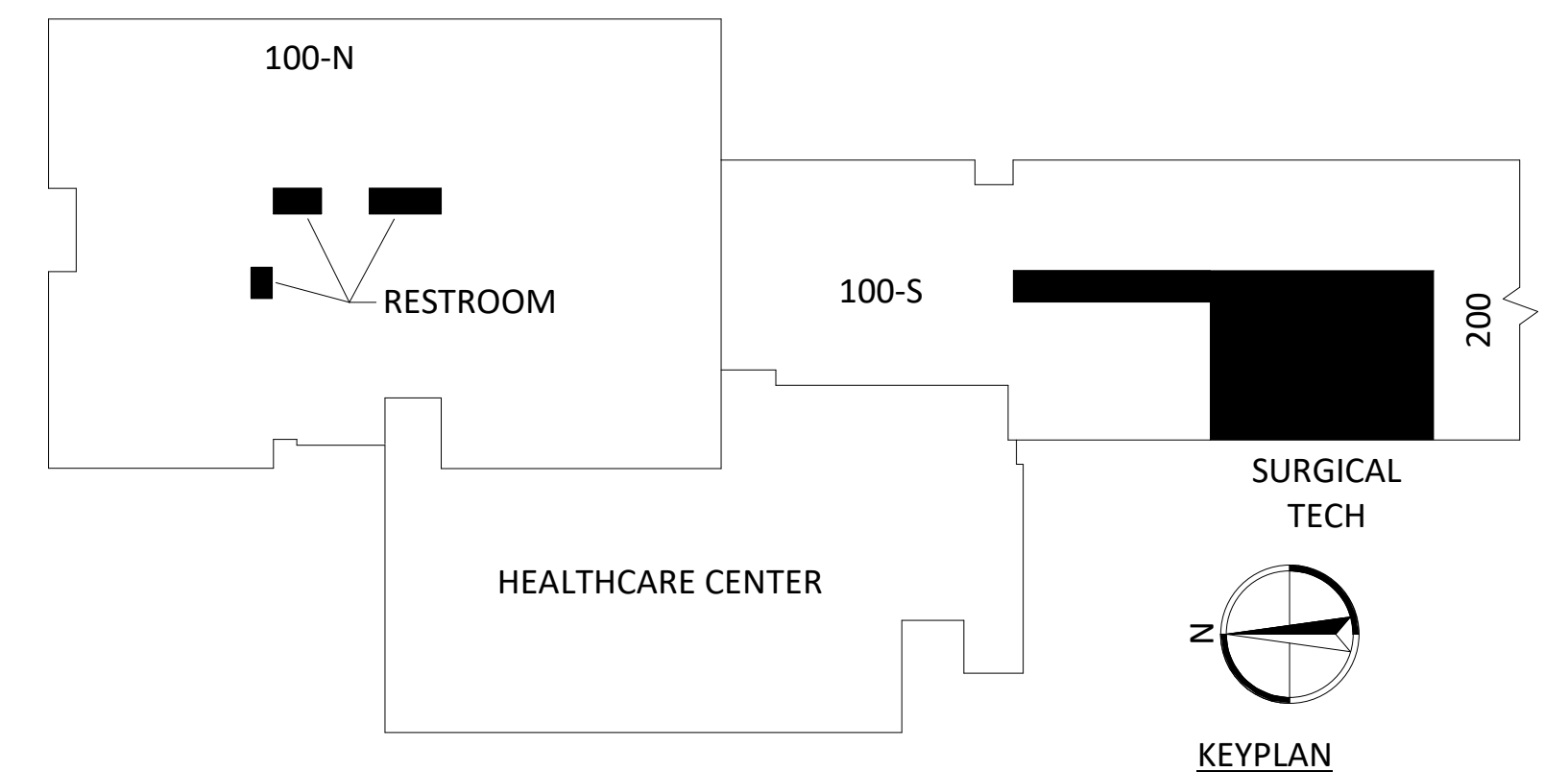


1 DEMOLITION FLOOR PLAN
1/8" = 1'-0"

2 ENLARGED RR DEMO
1/4" = 1'-0"



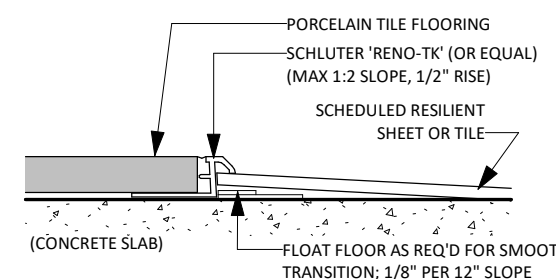
3 ENLARGED RESTROOM DEMO PLAN
1/4" = 1'-0"



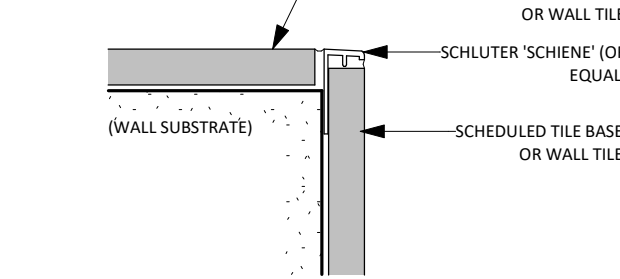
FINISH LEGEND							
TYPE	MARK	MANUFACTURER	STYLE	COLOR	SIZE	INSTALL	NOTES
CEILING							
ACOUSTICAL CEILING	ACT-1	ARMSTRONG	ULTIMA TEGULAR	FINE WHITE TEXTURE, 1911	24" X 24"		WHITE PERLUDE 15/16" SUSPENSION
SPECIALTY	SPEC-3	ASI ARCHITECTURAL	GRILLE W/ BACKER & DOWEL CEILING SYSTEM, 12" O.C.	SPECIES: SOLID HEMLOCK STAIN: 091622 (MATCH EXISTING SPACES)	3/4" X 2.25" RIALS		SPACED 2" O.C. 6 RAILS PER FOOT. INCLUDE BLK BACKER & DOWEL AND 2" ACOUSTICAL BACKING MATERIAL
FLOORING & TILING							
RESILIENT	RFS-1	GERFLOR	MIPOLAM SYMBIOZ	TULUM, 6056			
	RFS-2	GERFLOR	MIPOLAM SYMBIOZ	HURRICANE, 6050			
	RFS-3	GERFLOR	MIPOLAM SYMBIOZ	PEBBLE, 6039			
	RFS-4	GERFLOR	MIPOLAM SYMBIOZ	CARDINAL, 6075			
	RFS-5	GERFLOR	CREATION GROVEPOINT	ENGLISH WALNUT, 0545			
CERAMIC & PORCELAIN	PT-1	CAESAR CERAMICS	AUTORE	RIMINI	24" X 24"		DISTRIBUTOR: VIRGINIA TILE. GROUT: MAPEI O2 PEWTER. TILE TO ALIGN WITH EXISTING PRAIRIE LAKES ADDITION
	PT-2	CAESAR CERAMICS	AUTORE	GIUDECCA	24" X 24"		DISTRIBUTOR: VIRGINIA TILE. GROUT: MAPEI O2 PEWTER. TILE TO ALIGN WITH EXISTING PRAIRIE LAKES ADDITION
	PT-3A	CERAMICHE KEOPE	UBIK	GREIGE	24" X 48"		DISTRIBUTOR: CERAMIC TILE WORKS. WALL TILE
	PT-3B	CERAMICHE KEOPE	UBIK	GREIGE	12" X 24"		DISTRIBUTOR: CERAMIC TILE WORKS. FLOOR TILE
	PT-4	CERAMIC TILE WORKS	SURFACE	WHITE - MATTE	12" X 24"		ENTRY
SPECIALTY	PT-5A	CERAMICA VOGUE	SYSTEM	GHIACCIO (TRASPARENZE)	2" X 16"		DISTRIBUTOR: CERAMIC TILE WORKS. WALL TILE 50% RANDOM INSTALL
	PT-5B	CERAMICA VOGUE	SYSTEM	GHIACCIO (INTERNI)	2" X 16"		DISTRIBUTOR: CERAMIC TILE WORKS. WALL TILE 50% RANDOM INSTALL
SPECIALTY	WDF-1	NYDREE FLOORING	MAVERICK COLLECTION	LYNCHBURG WALNUT	8.25" W		
PAINT & WALL COVERINGS							
PAINT	P-1	SHERWIN WILLIAMS	PRE-CAT EPOXY EG-SHEL	COLLINGWOOD, 859			BENJAMIN MORRE COLOR MATCH. FEILD PAINT
	P-2	SHERWIN WILLIAMS	PRE-CAT EPOXY EG-SHEL	IN THE NAVY, SW 9178			ACCENT PAINT
	P-3	SHERWIN WILLIAMS	PRE-CAT EPOXY EG-SHEL	SW EXTRA WHITE			GYP. SOFFITS, U.N.O.
WALL COVERING	WC-1	DESIGNTEX	CUSTOM, DS AKSEL, SCALE 50%				COLORS TBD
SPECIALTY	WP-1	CRANE COMPOSITES	GLASBOARD				4'-0" AFF. UNLESS NOTED OTHERWISE ON FINISH PLANS. USE W/ COORDINATING TRIMS
	WP-2	ZINTRA	SOLID PANEL	MIDNIGHT	48" X 110" X 1/2" D		
WALL BASE, TRANSITIONS & MISC. TRIMS							
VINYL COVE BASE	VB-1	MOHAWK GROUP					
SCHLUTER		SCHLUTER					SEE DETAILS ON SHEET
MILLWORK							
LAMINATE	PL-1	WILSONART	TRACELESS LAMINATE	DESIGNER WHITE, 15512			CASEWORK
STONE & SOLID...	SS-1	CORIAN	SOLID SURFACE	NEUTRAL CONCRETE			CTOPS
MISCELLANEOUS							
PARTITIONS	TP-1	SCRANTON	HINY HIDERS	CONCRETE			ORANGE PEEL FINISH
UPHOLSTERY	FAB-1	MAHARAM	WILLOW	GETAWAY, 466542 005			

ROOM FINISH SCHEDULE						
RM#	NAME	FLR FIN.	BASE FIN.	WALL FIN.	CLG FIN.	NOTES
113	UNISEX	PT-3B	SEE ELEVATIONS	PT-3A/5A/5B	ACT-1	
136	MENS	PT-3B	SEE ELEVATIONS	PT-3A/5A/5B	ACT-1	
140	WOMENS	PT-3B	SEE ELEVATIONS	PT-3A/5A/5B	ACT-1/P-3	EXISTING SKYLIGHT AND SOFFIT TO REMAIN AND PAINT P-3
160	CIRCULATION	RFS-1,2,3,4,5	VB-1	P-1/WC-1/P-2	ACT-1/P-3/P-2	
160A	CLEAN	RFS-1	VB-1	P-1	ACT-1	
160B	DIRTY	RFS-1	VB-1	P-1/WP-1	ACT-1	
160C	DEBRIEF 1	RFS-4	VB-1	P-1	ACT-1	
160D	DEBRIEF 2	RFS-4	VB-1	P-1	ACT-1	
160E	OR/SCRUB ROOM	RFS-3	VB-1	P-1	ACT-1	
160F	STORAGE	RFS-3	VB-1	P-1	ACT-1	
160G	VIEWING ROOM 2	RFS-3	VB-1	P-1	ACT-1	
160H	OR 3	RFS-2	VB-1	P-1/WP-1	ACT-1	
160J	OR 2	RFS-2	VB-1	P-1/WP-1	ACT-1	
160K	VIEWING ROOM 1	RFS-3	VB-1	P-1	ACT-1	
160L	OR 1	RFS-2	VB-1	P-1/WP-1	ACT-1	
C105	CORRIDOR	PT-2/3	PT-2	SEE ELEVATIONS	ACT-1/SPEC-3	

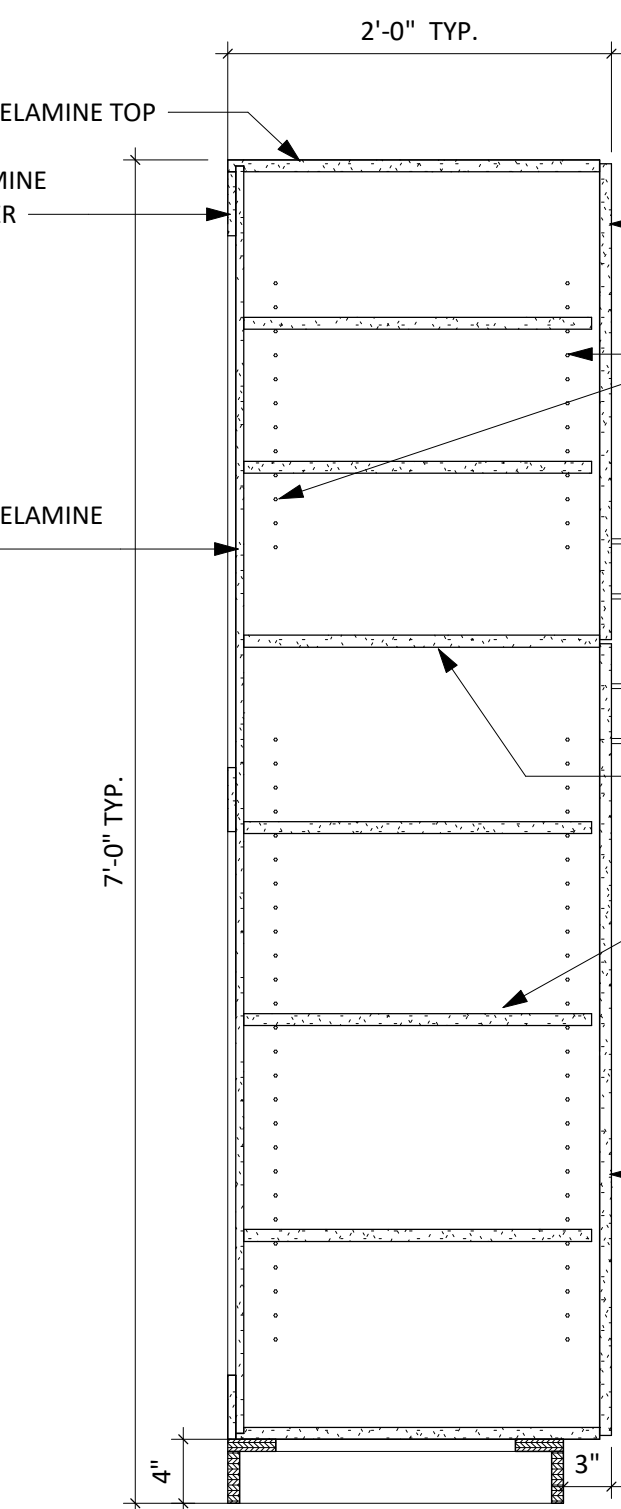
① TILE TO TILE FLOOR
6" = 1'-0"



② TILE FLOOR TO WALL
6" = 1'-0"

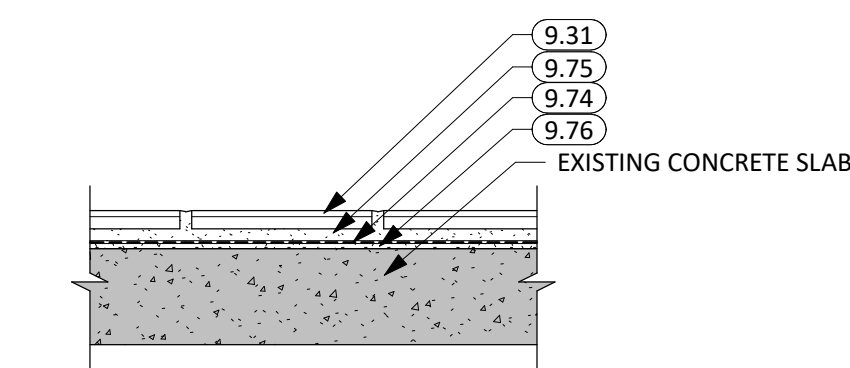
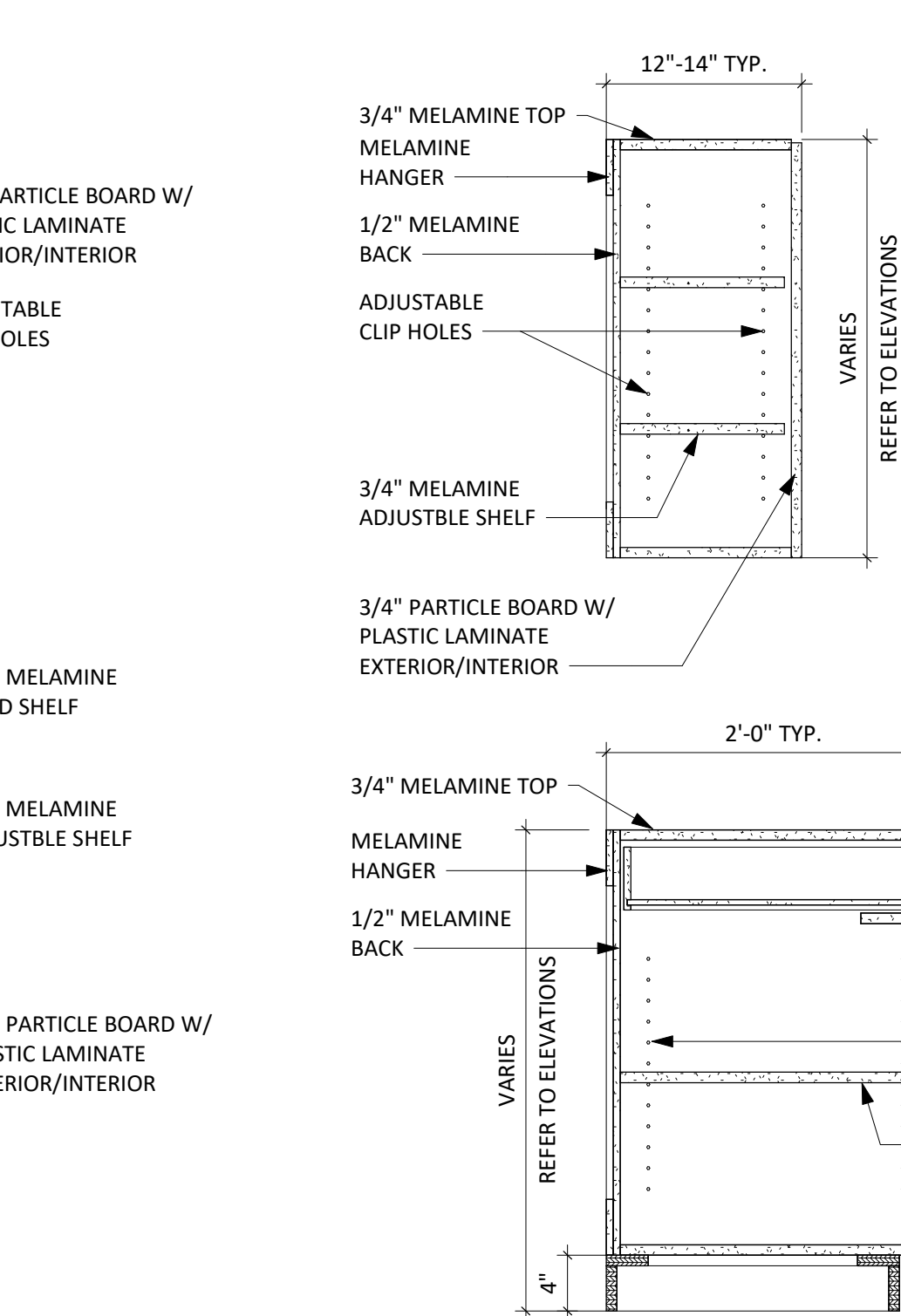


③ TILE TO RESILIENT
6" = 1'-0"

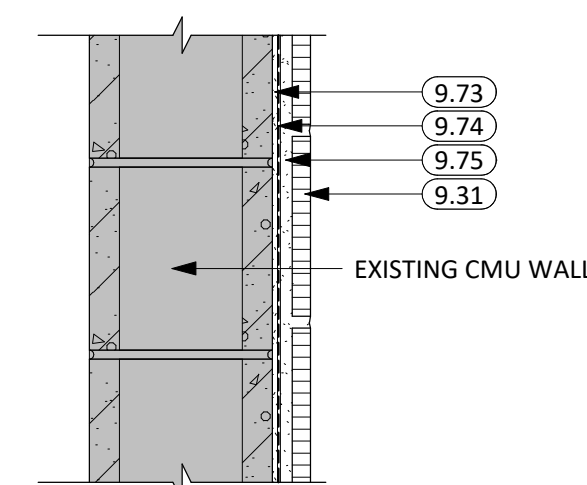


⑤ TYP. CABINET DETAILS
1" = 1'-0"

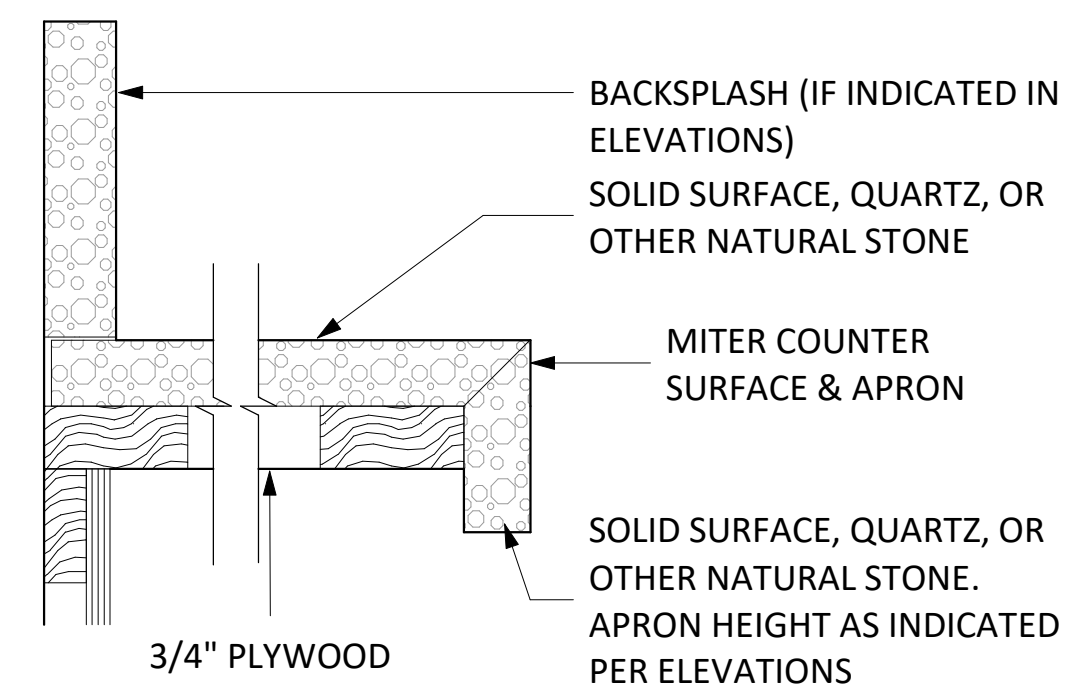
④ WALL TILE TO OUTSIDE CORNER
6" = 1'-0"



⑥ NEW TILE AT EXISTING SLAB
1 1/2" = 1'-0"



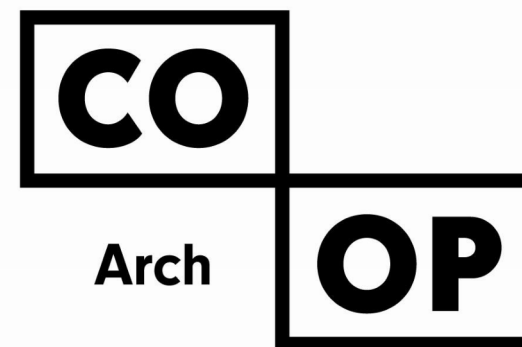
⑦ NEW TILE AT EXISTING WALLS
1 1/2" = 1'-0"



⑧ APRON
1 1/2" = 1'-0"

GENERAL NOTES

- REFER TO SHEET **A121** FOR ROOM FINISH SCHEDULE AND LEGEND.
- INTERIOR WALLS FINISHES ARE FULL HEIGHT, UNLESS OTHERWISE NOTED.
- PROVIDE WATER-RESISTANT GYPSUM BOARD PANELS AT ALL BATHROOM WALLS AND ANY WALLS EXPOSED TO MOISTURE.
- PROVIDE GLASS-MATT FACED GYPSUM SHEATHING BEHIND TILE FINISHES AT ALL SHOWERS AND BATHTUBS.
- SEE FLOOR PLAN(S) AND INTERIOR ELEVATIONS FOR CASEWORK INFORMATION. FIELD VERIFY DIMENSIONS OF CASEWORK OPENINGS.



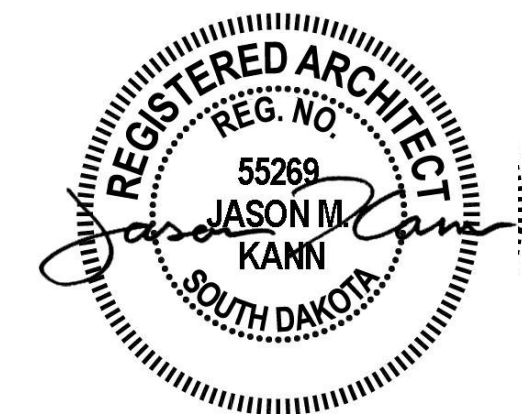
1108 S. Main St. 102
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CO-OP PROJECT NO: 2411



ISSUE:
9/10/2024 CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:
REV. # REV. DSC. REV. DATE
1 ADD-1 9-20-24

PROJECT:
SURGICAL TECHNOLOGY
RENOVATION
LATC
WATERTOWN, SOUTH DAKOTA

SHEET TITLE:
FINISH LEGEND & FINISH DETAILS

A121

Addendum No. M-1
To Mechanical Plans and Specifications:
LATC Surgical Technology Renovation
Watertown, South Dakota

Addendum Dated: September 20, 2024

Original Plans & Specifications Dated: September 10, 2024

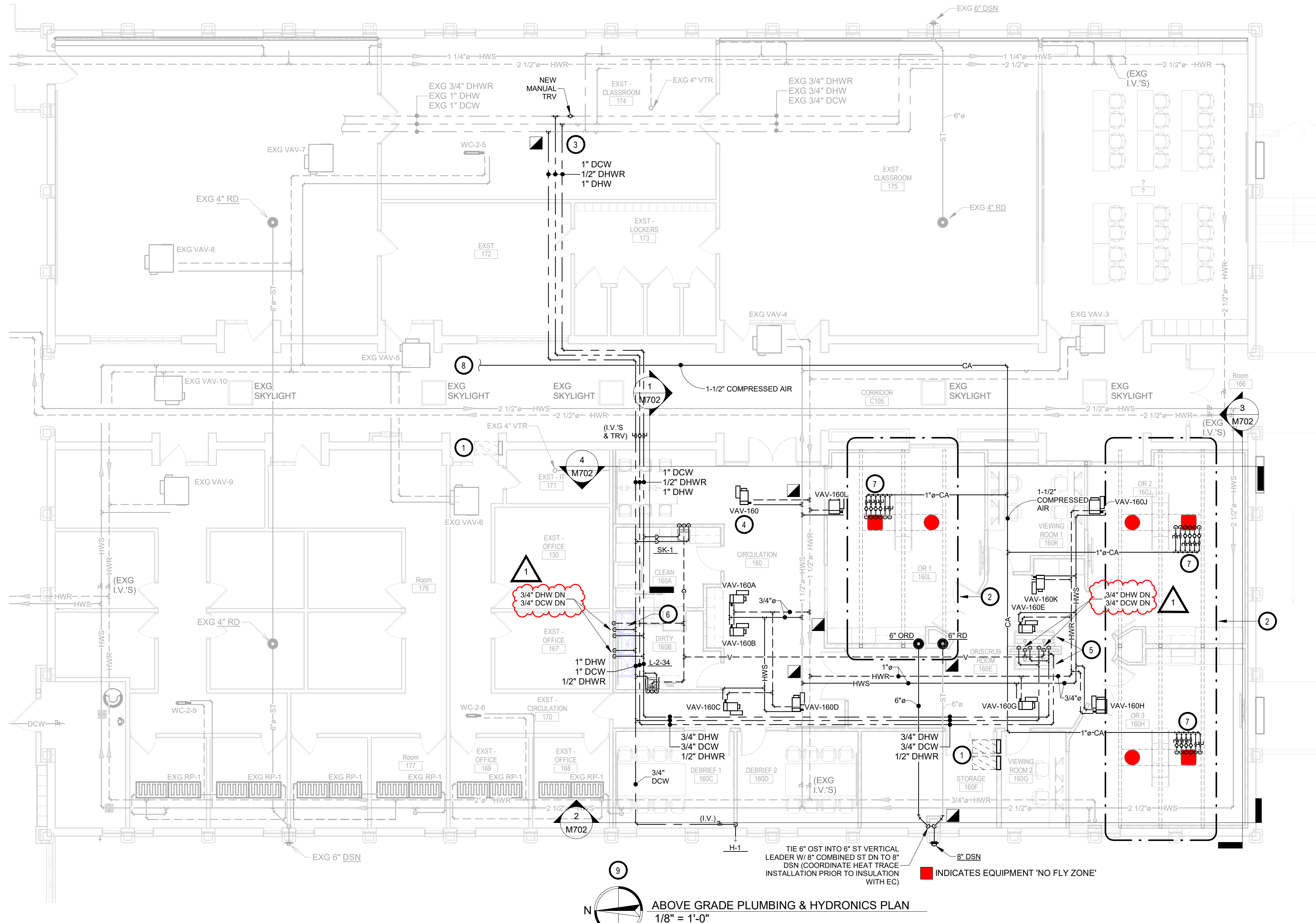
SCOPE OF THIS ADDENDUM: The following becomes part of the original plans and specifications, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgement of the addendum on the bid form, incorporating its provision in the bid.

PLAN AND SPECIFICATION CHANGES AND CLARIFICATIONS:

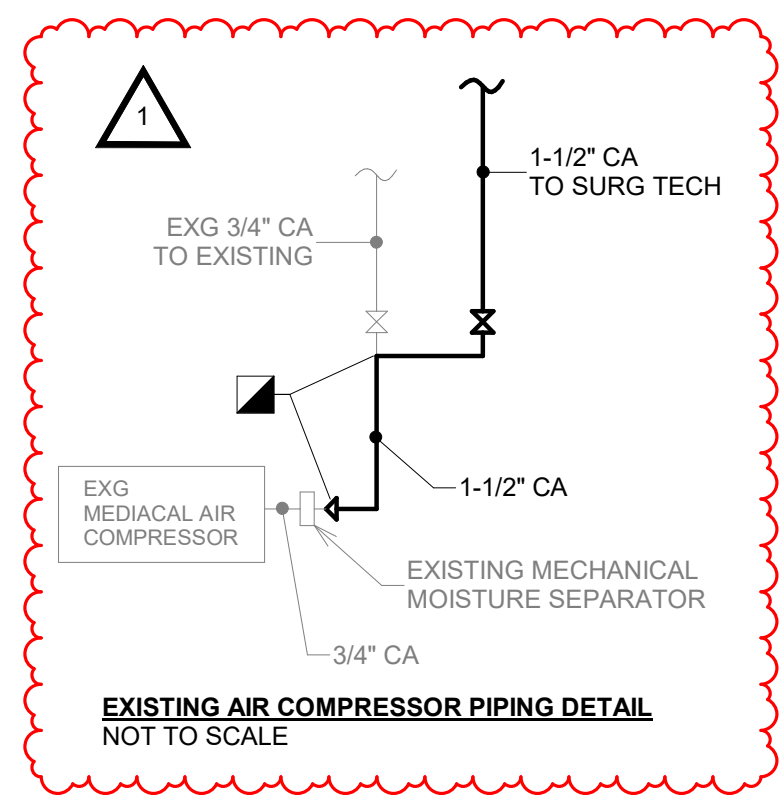
1. Clarification to compressed air piping question at pre-bid walkthrough: all new compressed air piping to be copper tubing with soldered joints as specified and scheduled.
2. Section 23 0900 “Controls and Control Sequences” – Add subsection 2.7 “ELECTRIC HEAT TRACE” as follows:
 - A. The electric heat trace installed on rain leaders shall be controlled by the BAS through TC provided relay.
 - B. Heat trace shall be enabled when the outdoor air temperature is below 35deg F (adj) in both occupied and unoccupied modes.
 - C. Operator’s Workstation shall display the following:
 1. Equipment Designation/Label.
 2. Outside Air Temperature.
 3. Electric Heat Trace Status (enable/disable).
3. Sheet EM100 – Motor Schedule, Legend & Sheet Index – Electric Heat Trace – Omit control and control wiring by EC. Control and temperature control wiring to be by TC.
4. Sheet M401 – Above Grade Plumbing & Hydronics Plan – see the attached revised sheet for revisions to the compressed air piping, and installation of Owner provided sinks.
5. Sheet M600 – HVAC Plan – See the attached revised sheet for revisions to HVAC in existing shop office.

Sichmeller Engineering
(605) 225-4344

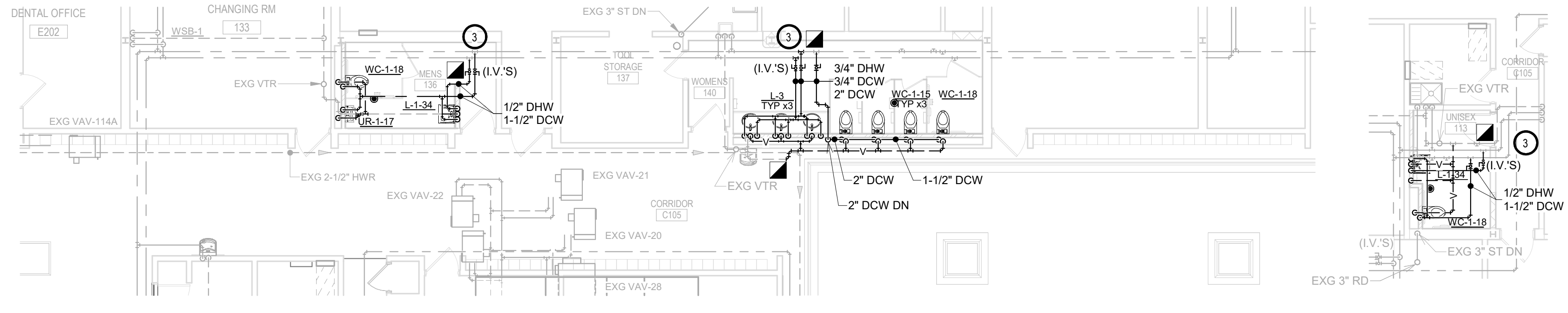
Attachments: Sheet M401 – Above Grade Plumbing & Hydronics Plan
Sheet M600 – HVAC Plan



ABOVE GRADE PLUMBING & HYDRONICS PLAN
1/8" = 1'-0"

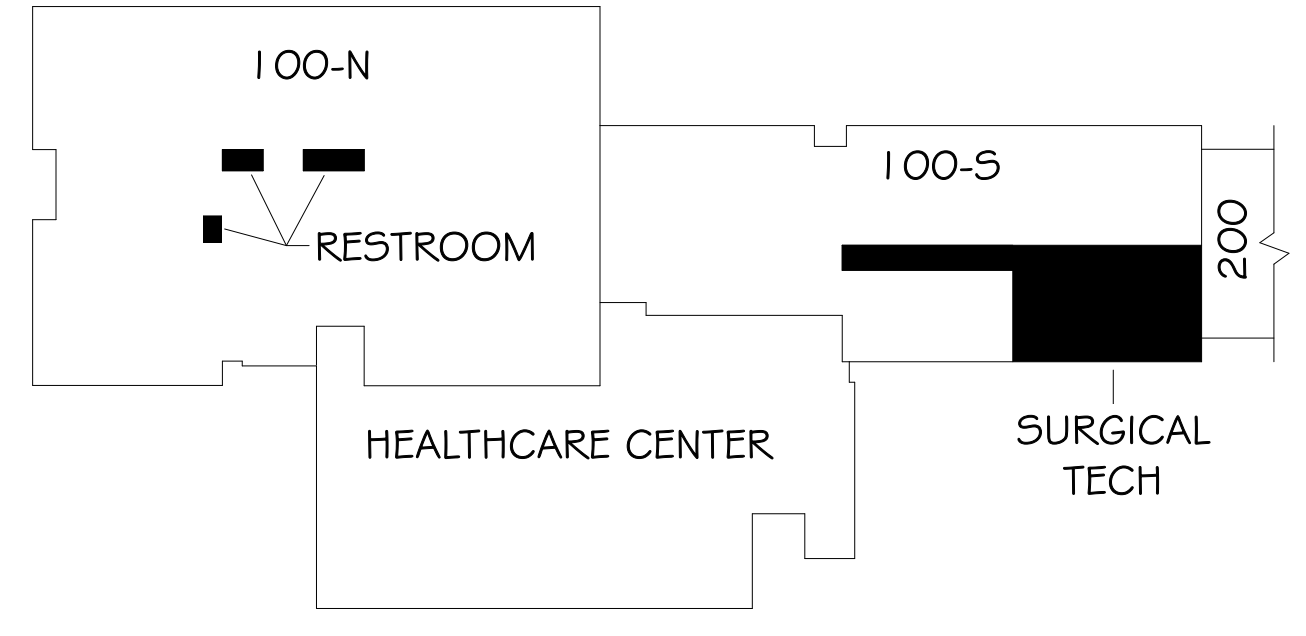


EXISTING AIR COMPRESSOR PIPING DETAIL
NOT TO SCALE



ABOVE GRADE PLUMBING & HYDRONICS PLAN - RESTROOM
1/8" = 1'-0"

ABOVE GRADE PLUMBING & HYDRONICS PLAN - RR
1/8" = 1'-0"



KEYPLAN

SPECIAL NOTES:

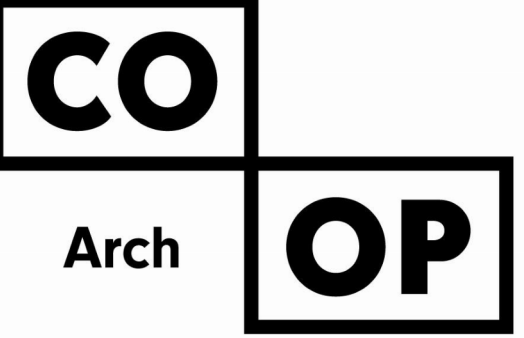
- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.

GENERAL NOTES:

- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. CONTRACTOR SHALL COORDINATE ALL PLUMBING WITH LIGHT FIXTURES, HVAC, FIRE SPRINKLER, AND STRUCTURAL TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXHAUST TERMINATION.
- H. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.
- I. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY THE A/E IMMEDIATELY OF ANY DISCREPANCIES.
- J. COORDINATE NEW SERVICES WITH LOCAL UTILITIES.
- K. PLUMBING CONTRACTOR TO PROVIDE VENTING FOR ALL FLOOR DRAINS, TRENCH DRAINS, AND FLOOR SINKS AS SHOWN OR AS REQUIRED BY CODE.

KEYNOTES

- 1. THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
- 2. PC TO AVOID ROUTING ANY PLUMBING AND HYDRONICS SYSTEMS WITHIN THE OUTLINE AS NECESSARY TO ALLOW FOR THE INSTALLATION OF THE PROPOSED STRUCTURE SHOWN DASHED. AVOID PLACEMENT OF ANY SYSTEMS ABOVE THE "NO FLY ZONE" ABOVE THE BOOM ASSEMBLY MOUNTING PLATE. COORDINATE NO FLY ZONE REQUIREMENTS WITH OWNER'S BOOM ASSEMBLY SUPPLIER. COORDINATE WITH STRUCTURAL CONTRACTOR, VERIFY EXISTING CONDITIONS.
- 3. PLUMBING CONTRACTOR TO CONNECT NEW DOMESTIC WATER TO EXISTING DOMESTIC WATER AT THIS LOCATION. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION, AND INVERT.
- 4. TYPICAL - SEE VAV HEATING COIL PIPING DETAIL.
- 5. PC TO INSTALL OWNER FURNISHED SCRUB SINK. PROVIDE & INSTALL SUPPLIES, STOPS, P-TRAPS, & TAILPIECES AS REQUIRED. PC TO INSTALL OWNER PROVIDED FAUCETS.
- 6. PC TO INSTALL OWNER FURNISHED TRIPLE COMPARTMENT SINK. PROVIDE & INSTALL SUPPLIES, STOPS, P-TRAPS, & TAILPIECES AS REQUIRED. PC TO INSTALL OWNER PROVIDED FAUCETS.
- 7. PROVIDE & INSTALL 1" COMPRESSED AIR MANIFOLD AT THIS LOCATION AND DROP FOR "MEDICAL AIR" OF OWNER PROVIDED SURGICAL ARM SERVICE HEADS. PROVIDE (4) 1/2" COMPRESSED AIR AND COMPRESSED AIR VACUUM GENERATING FITTING WITH DROP FOR "SIMULATED CO₂", 1/2" COMPRESSED AIR FOR "SIMULATED NITROGEN" FOR CONNECTION TO SURGICAL ARM SERVICE HEAD (4) TOTAL VAC CONNECTIONS, (1) CO₂ CONNECTION, & (1) NITROGEN CONNECTION). SURGICAL ARM AND OUTLETS NOT PROVIDED OR INSTALLED BY THIS CONTRACTOR (REFER TO ARCHITECTURAL ELEVATIONS AND DETAILS).
- 8. SEE A100 FOR CONTINUATION. ROUTE COMPRESSED AIR IN CORRIDORS BACK TO AIR COMPRESSOR IN MECH 141B. PC TO COORDINATE ACT REMOVAL AND REINSTALLATION BY GC. SEE EXISTING AIR COMPRESSOR PIPING DETAIL.
- 9. TYPICAL - ALL PIPING TO BE ROUTED UP HIGH THRU EXISTING JOIST WEBBING. SEE SECTIONS.



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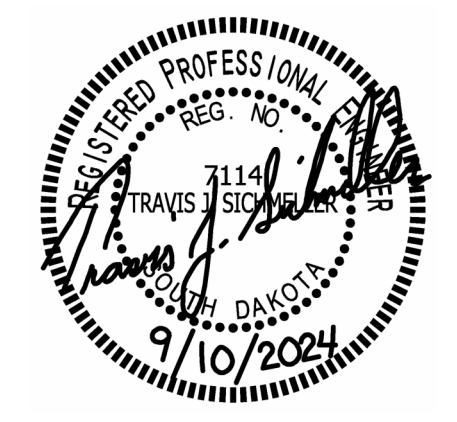
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SICHMELLER ENGINEERING
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SE PROJECT NO: 240600834



ISSUE: 9/10/2024 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE
1	ADDENDUM M1	09-20-24

PROJECT: SURGICAL TECHNOLOGY RENOVATION LATC

WATERTOWN, SOUTH DAKOTA

SHEET TITLE: ABOVE GRADE PLUMBING & HYDRONICS PLAN

M401

SPECIAL NOTES:

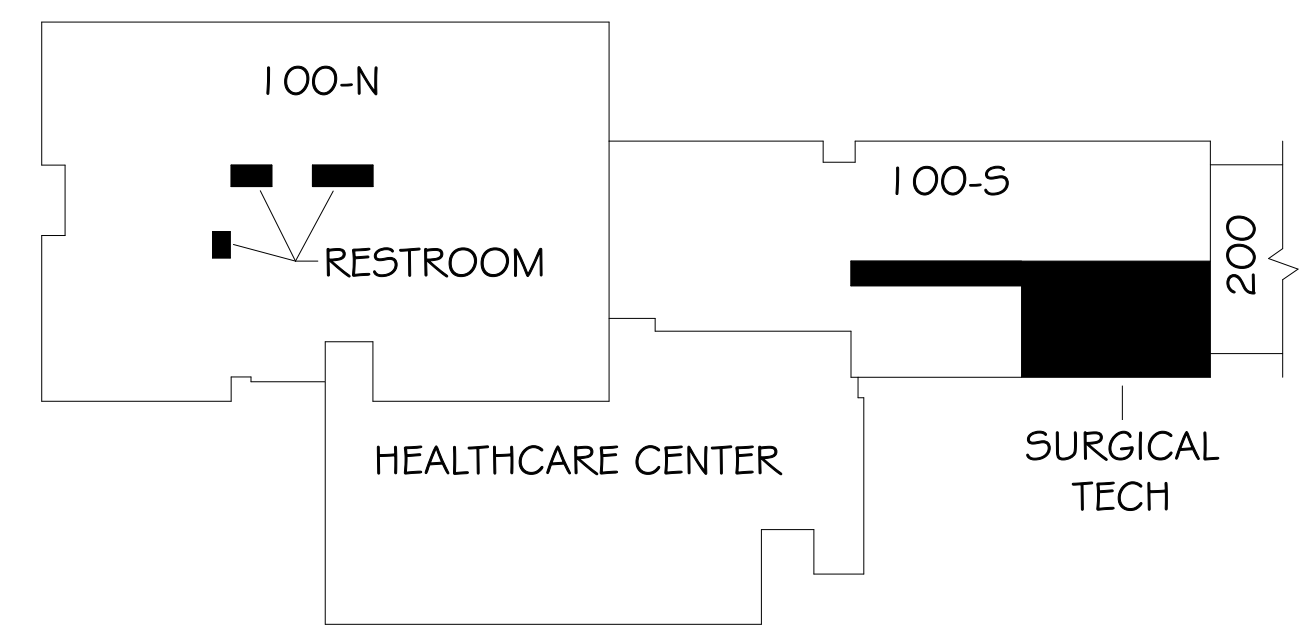
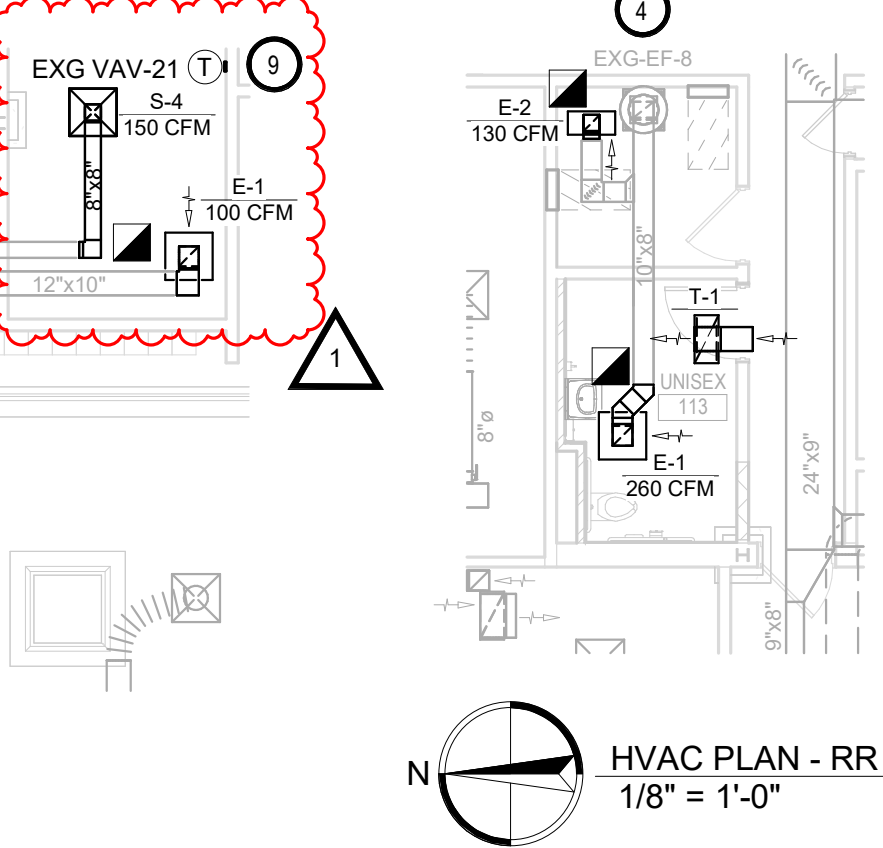
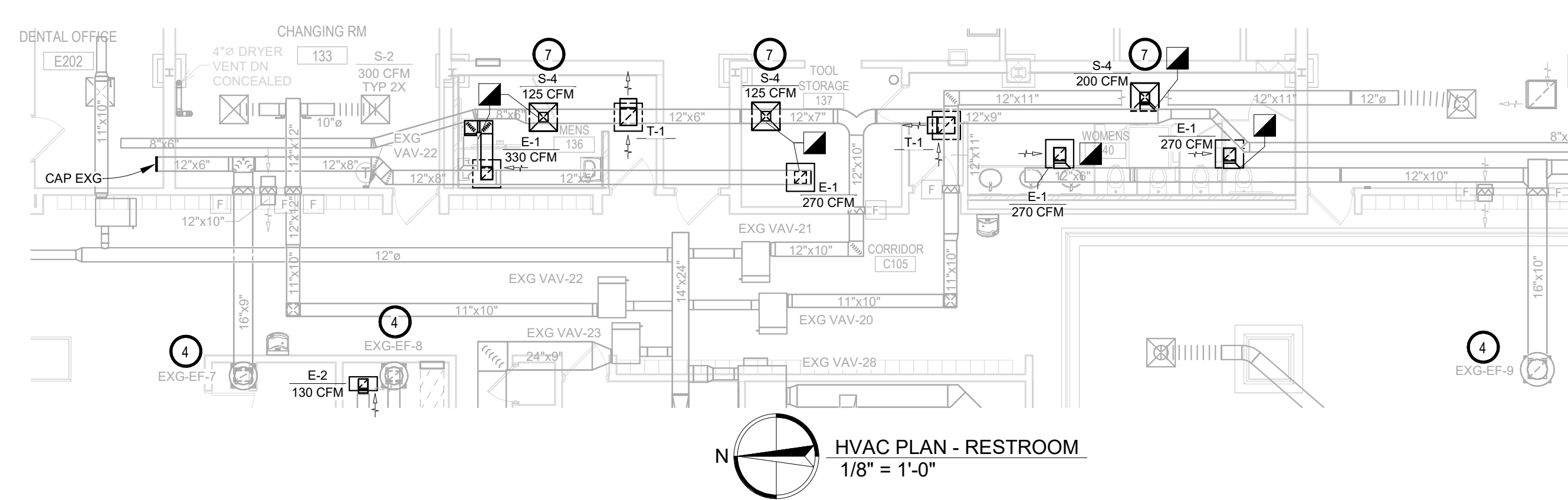
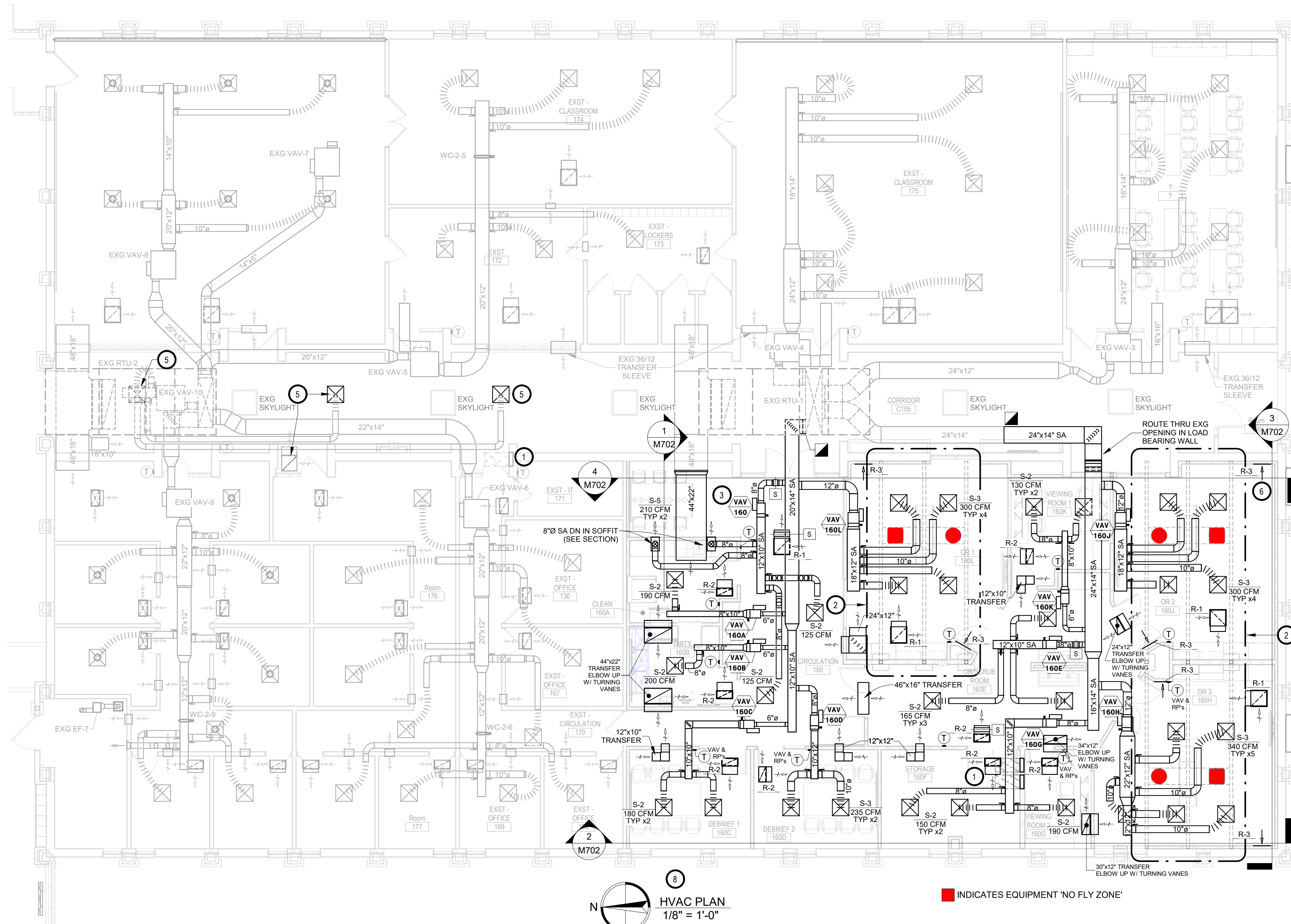
- A. ALL MECHANICAL SYSTEMS, EXCLUDING DROPS, TO BE INSTALLED AS HIGH AS POSSIBLE TO PROVIDE MAXIMUM CLEARANCES FOR OWNER.

GENERAL NOTES:

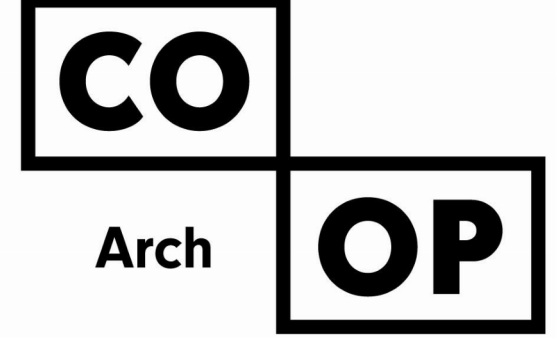
- A. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ANY OPENINGS LEFT IN FLOORS, WALLS, AND CEILINGS THAT WERE CAUSED BY HIS/HER ACTIONS. PATCHING SHALL MATCH EXISTING SURFACE IN COLOR, TEXTURE AND QUALITY SO THAT PATCH IS INDISTINGUISHABLE FROM ORIGINAL SURFACE.
- C. ALL PENETRATIONS THROUGH DRAFT STOPS AND OTHER FIRE-RATED PARTITIONS SHALL BE FIRE STOPPED AS PER SPECIFICATIONS AND LOCAL CODES.
- D. ALL MECHANICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, NATIONAL PLUMBING REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.
- E. THE MECHANICAL DRAWINGS SHOW GENERAL ARRANGEMENT ONLY. EXACT LOCATION SHALL AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT & REQUIRED ELECTRICAL CLEARANCES.
- F. COORDINATE INSTALLATION OF ALL HVAC WITH PLUMBING, FIRE SPRINKLER, LIGHT FIXTURES, AND STRUCTURE TO ACCOMMODATE LIMITED CEILING SPACE.
- G. FOR SIMPLICITY DUCT INSULATION NOT SHOWN. DUCT SIZES INDICATED ON DRAWING ARE INTERNAL DIMENSIONS. AS NEEDED ADJUST ACTUAL SIZE FOR INSULATION THICKNESS AS SPECIFIED.
- H. ALL FLEXIBLE DUCTWORK AND CONNECTORS BETWEEN THE LOW PRESSURE DUCTWORK AND THE DIFFUSERS SHALL BE THE SIZE OF THE DIFFUSER INLET.
- I. PROVIDE & INSTALL VIBRATION ISOLATION ON ALL HANGING EQUIPMENT. PROVIDE & INSTALL VIBRATION ABSORPTION MOUNTING PADS ON ALL EQUIPMENT MOUNTED ON FLOOR.
- J. PROVIDE AND INSTALL DURODINE FLEX DUCT CONNECTORS AT ALL EQUIPMENT CONNECTIONS.
- K. ALL DUCTWORK TO BE SEALED AIRTIGHT.
- H. FRESH AIR INTAKES TO BE MINIMUM 10' FROM ANY EXISTING TERMINATION.
- I. ALL FLOOR EQUIPMENT SHALL BE SET ON 4" HIGH CONCRETE BASES FURNISHED BY THIS CONTRACTOR.

KEYNOTES:

- THIS SPACE IS RESERVED FOR ELECTRICAL GEAR. PIPING AND EQUIPMENT SHALL NOT BE LOCATED IN FRONT OF OR ROUTED ABOVE ELECTRICAL PANELS. COORDINATE WITH DIVISION 26.
- VC TO AVOID ROUTING ANY DUCTWORK AND AVOID PLACEMENT OF VAV'S WITHIN THE OUTLINE AS NECESSARY TO ALLOW FOR THE INSTALLATION OF THE PROPOSED STRUCTURE SHOWN DASHED. AVOID PLACEMENT OF ANY SYSTEMS ABOVE THE "NO FLY ZONE" ABOVE THE BOOM ASSEMBLY MOUNTING PLATE. COORDINATE NO FLY ZONE REQUIREMENTS WITH OWNER'S BOOM ASSEMBLY SUPPLIER. COORDINATE WITH STRUCTURAL CONTRACTOR, VERIFY EXISTING CONDITIONS
- TYPICAL - SEE VAV BOX DUCT CONNECTION DETAIL.
- TC TO ADD BAS CONTROLS TO EXISTING EF'S.
- VC TO REINSTALL EXISTING SA/RA DIFFUSERS IN NEW ACT CEILING.
- TYPICAL - RETURN GRILLE R-3 INSTALLED AT 12" AFF FOR SIMULATED LOW RETURN IN OR'S. GRILLES WILL NOT BE DUCTED.
- PROVIDE & INSTALL BALANCING DAMPER ON TAKEOFF.
- TYPICAL - ALL DUCTWORK TO BE ROUTED UP HIGH THRU EXISTING JOIST WEBBING. SEE SECTIONS.
- LOCATE NEW T-STAT NEAR DOOR, COORDINATE EXACT PLACEMENT WITH OWNER.



KEYPLAN



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ISSUE:
9/10/2024 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE
1	ADDENDUM 2	09-20-24

PROJECT:
SURGICAL TECHNOLOGY RENOVATION LATC
WATERTOWN, SOUTH DAKOTA

SHEET TITLE:
HVAC PLAN

M600



Electrical Addendum No. 1

To Electrical Plans and Specifications for:

Surgical Technology Renovation LATC

Original Plans & Specifications Dated: **09/10/2024**

Addendum: The following addendum items shall become a binding part of the original plans and specifications for the project. The bidder shall acknowledge the addendum on the bid form and incorporate all provisions in the bid.

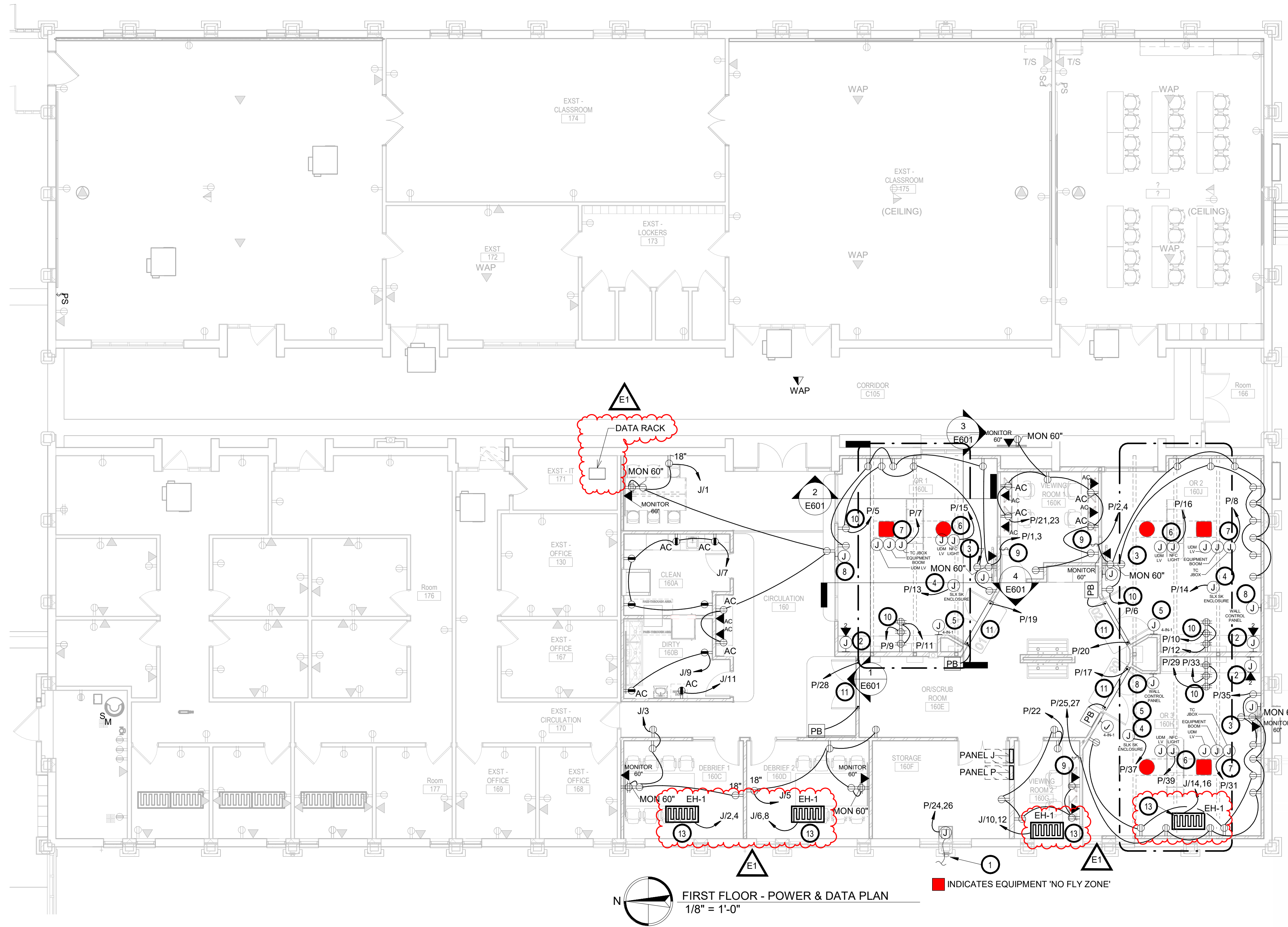
Drawings:

- Sheet E300 – Power & Data Plan
 - Added Keynotes for coordination with TC for BAS connection of EH-1. See attached revised sheet.
 - Added approximate location of Data Rack. Coordinate final location in field with owner.
 - See preliminary Stryker drawings (added by addendum) for additional information on OR equipment connections and rough-ins.
- Prior Approvals:
 1. Lighting Controls:
 - Cooper CAT – Mlazgar Associates

End of Electrical Addendum

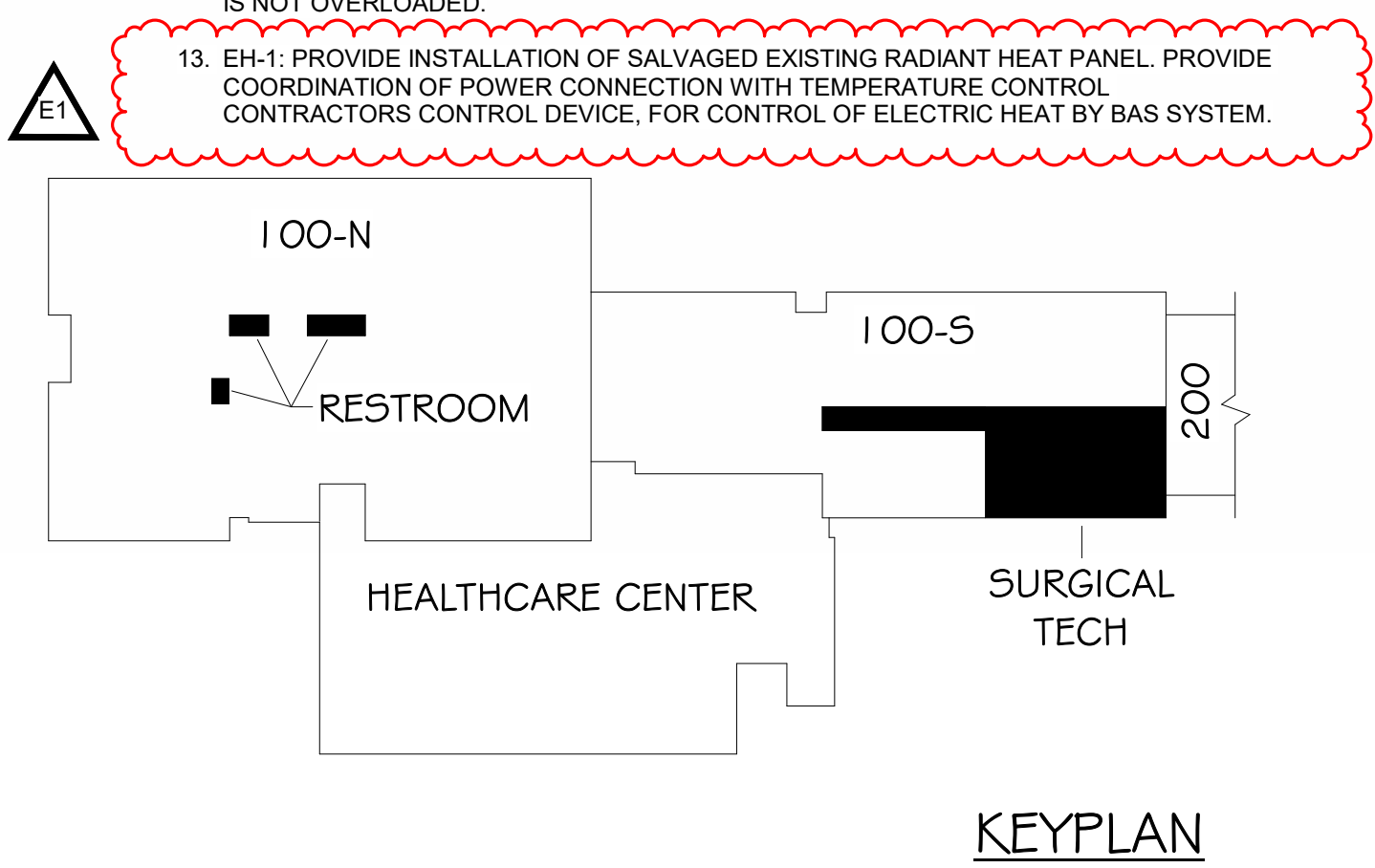
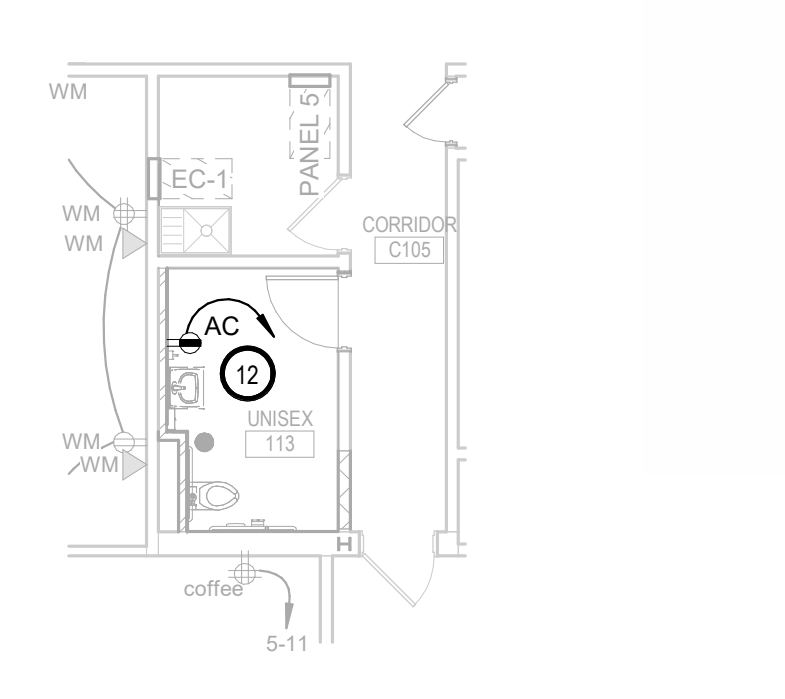
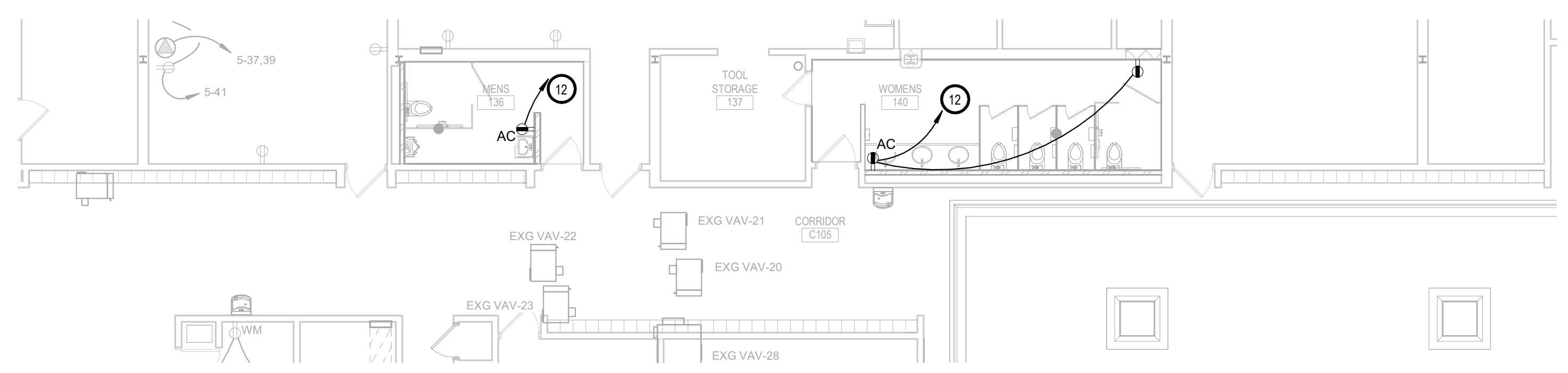
GENERAL NOTES

A. OR EQUIPMENT: EQUIPMENT CONNECTIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. COORDINATE ROUGH-IN LOCATIONS WITH FINAL STRYKER EQUIPMENT DRAWINGS.

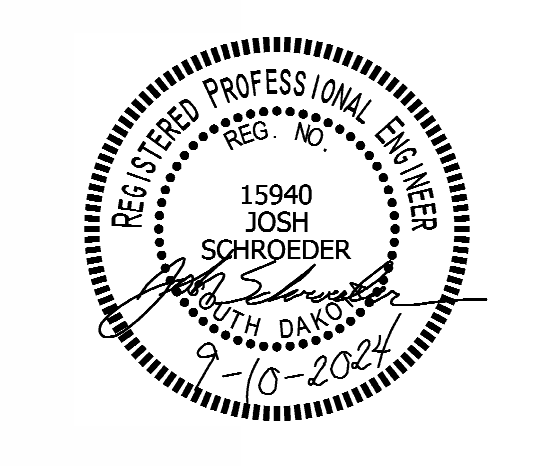


KEYNOTES

- HEAT TAPE: PROVIDE EASYHEAT SR TRACE HEAT TAPE MODEL SR521, 8 WATTS PER FOOT, 208 VOLT, 1 PHASE OR EQUAL WITHIN DOWNSPOUT FOR ICE REMOVAL. PROVIDE 30MA GFI CIRCUIT BREAKER IN PANEL AS REQUIRED BY THE NEC. SEE MECHANICAL SHEETS FOR LENGTHS AND LOCATIONS. PROVIDE TOGGLE SWITCH CONTROL NEXT TO ELECTRICAL PANEL AND LABEL 'HEAT TAPE DWNSPPT'.
- STRYKER OR LITE INTEGRATION SYSTEM: PROVIDE (3) QUADPLEX RECEPTACLES, DATA PORTS AND JUNCTION BOX FOR IN CABINET INSTALLATION. JUNCTION BOX SHALL BE 12"X12"X4" WITH U-PROFILE SPLIT PLATE WITH 6" DIAMETER PASSTHROUGH GROMMET. PROVIDE THE FOLLOWING CONDUITS WITH PULL-STRINGS FROM JUNCTION BOX: 1 1/4" CONDUIT TO CEILING MOUNTED NFC LIGHT, 1 1/4" AND (2) 2" CONDUITS TO CEILING MOUNTED EQUIPMENT BOOM, 1 1/4" CONDUIT TO (2) CEILING MOUNTED UDM LV BOX, 1" CONDUIT TO WALL MOUNTED CONTROL PANEL, 3/4" CONDUIT TO CEILING MOUNTED SPEAKER, 1 1/4" CONDUIT TO 4-IN-1 WALL PLATE AND 1 1/4" CONDUIT TO WALL MOUNTED MONITOR JUNCTION BOX (SEE KEYNOTE #3). COORDINATE ROUGH-IN REQUIREMENTS WITH FINAL STRYKER EQUIPMENT PLANS PRIOR TO ROUGH-IN.
- OR MONITOR: PROVIDE DATA, POWER AND JUNCTION BOX FOR MONITOR BY OTHERS. COORDINATE BOX ROUGH-IN WITH MOUNTING BRACKET PRIOR TO ROUGH-IN. SEE ARCHITECTURAL DETAILS FOR MOUNTING HEIGHTS. JUNCTION BOX SHALL BE 4 SQUARE DEEP WITH SINGLE GANG PLATE WITH GROMMET. PROVIDE 1 1/4" CONDUIT TO OR LITE INTEGRATION SYSTEM (SEE KEYNOTE #2).
- NSLX SK ENCLOSURE: PROVIDE (2) 1" CONDUITS FROM LIGHT TO SLX SK ENCLOSURE MOUNTED ABOVE CEILING IN ROOM. PROVIDE 120 VOLT 20 AMP CONNECTION AS SHOWN.
- 4-IN-1 PLATE: PROVIDE RACO 256 JUNCTION BOX WITH RACO 782 COVER OR EQUAL FOR ROUGH-IN OF DEVICE FURNISHED BY OTHERS. PROVIDE 1 1/4" CONDUIT AS DESCRIBED IN KEYNOTE #2. VERIFY FINAL LOCATION WITH STRYKER PRIOR TO ROUGH-IN.
- NFC LIGHT: PROVIDE 1 1/4" CONDUIT WITH PULL-STRING FROM LIGHT TO EQUIPMENT BOOM. PROVIDE 120 VOLT, 20 AMP CONNECTION AS SHOWN.
- TC JUNCTION BOX: PROVIDE (2) 1" CONDUITS WITH PULL-STRINGS FROM TC JUNCTION BOX TO SLX SK ENCLOSURE. PROVIDE 120 VOLT, 20 AMP CONNECTION AS SHOWN.
- SLX WALL CONTROL: PROVIDE 4 SQUARE DEEP JUNCTION BOX WITH SINGLE GANG OPENING FOR WALL CONTROL BY OTHERS. PROVIDE 1" CONDUIT WITH PULL-STRING TO SLX SK ENCLOSURE. VERIFY FINAL LOCATION WITH STRYKER PRIOR TO ROUGH-IN.
- POWER OUTAGE SIMULATION SWITCH: PROVIDE DOUBLE POLE SWITCH TO CONTROL GENERAL POWER RECEPTACLES. WHEN SWITCH IS TURNED OFF SIMULATED CRITICAL BRANCH RECEPTACLES SHALL BE THE ONLY POWER WITHIN OR.
- CRITICAL BRANCH RECEPTACLE: PROVIDE RED RECEPTACLE FOR THIS BRANCH CIRCUIT TO SIMULATE GENERATOR EMERGENCY POWER.
- DOOR OPERATOR: PROVIDE ROUGH-IN FOR DOOR OPERATOR PUSHBUTTONS AND 120 VOLT POWER CONNECTION TO OPERATOR FURNISHED BY OTHERS. COORDINATE ROUGH-IN REQUIREMENTS WITH MANUFACTURER AND OWNER PRIOR TO ROUGH-IN.
- CONNECT TO NEAREST 120 VOLT, 20 AMP BRANCH CIRCUIT. EC SHALL VERIFY CIRCUIT IS NOT OVERLOADED.
- EH-1: PROVIDE INSTALLATION OF SALVAGED EXISTING RADIANT HEAT PANEL. PROVIDE COORDINATION OF POWER CONNECTION WITH TEMPERATURE CONTROL CONTRACTORS CONTROL DEVICE, FOR CONTROL OF ELECTRIC HEAT BY BAS SYSTEM.



SE PROJECT NO: 240600834



ISSUE:
9/10/2024 100% CONSTRUCTION DOCUMENTS

REVISION SCHEDULE:

REV. #	REV. DSC.	REV. DATE
E1	ADDENDUM E1	09-20-24

PROJECT:
SURGICAL TECHNOLOGY RENOVATION LATC
WATERTOWN, SOUTH DAKOTA

SHEET TITLE:
POWER & DATA PLAN

LAKE AREA TECHNICAL INSTITUTE

WATERTOWN SIM 24

1201 ARROW AVE NE
WATERTOWN, SD 57201

DATE: 04 SEP 24

DIRECTORY

SALES REP: PETE SANCHEZ 605-484-8383
PETE.SANCHEZ@STRYKER.COM

PROJECT MANAGER: KEVIN CROW 319-929-0365
KEVIN.CROW@STRYKER.COM

ENGINEER: SAM HARPELL 469-858-9510
SAM.HARPELL@STRYKER.COM

TABLE OF CONTENTS

REVISION SUMMARY.....(C) SHEET SECTION
EQUIPMENT LAYOUTS (R) SHEET SECTION
PRE-INSTALL NOTES (P) SHEET SECTION

ENGINEERING APPROVAL

AUTHORIZED SIGNATURE:

DRAWING#: SD-3121794_3

QUOTE#: ----

APPROVED REVISION: 3

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REP: PETE SANCHEZ
P.M: KEVIN CROW

SHEET:

TITLE

SUMMARY LIST OF CHANGES

KEY #	DESCRIPTION OF CHANGE	REFERENCE PAGE / ROOM #
1	UPDATE FLOOR PLAN (REF. FILE: A101.DWG)	OR 1 - 3
2	MOVE MOUNT LOCATIONS TO ACCOMMODATE JOISTS ABOVE CEILING (REF. FILE: ReflectedCeilingPlan-WORKINGRCP.DWG)	OR 2 & 3
3		
4		
5		

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WATERTOWN, SD 57201

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P.M: KEVIN CROW

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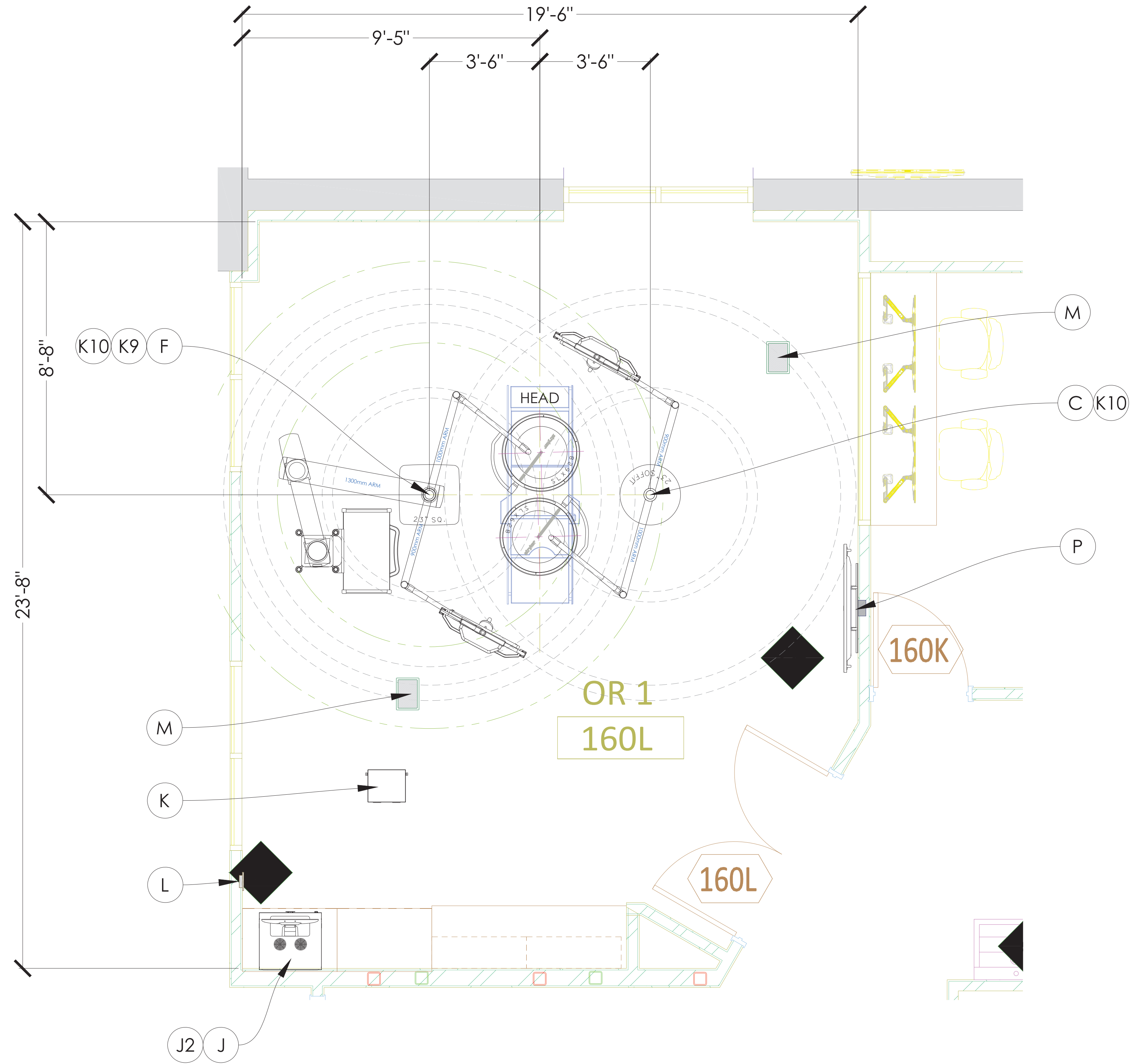
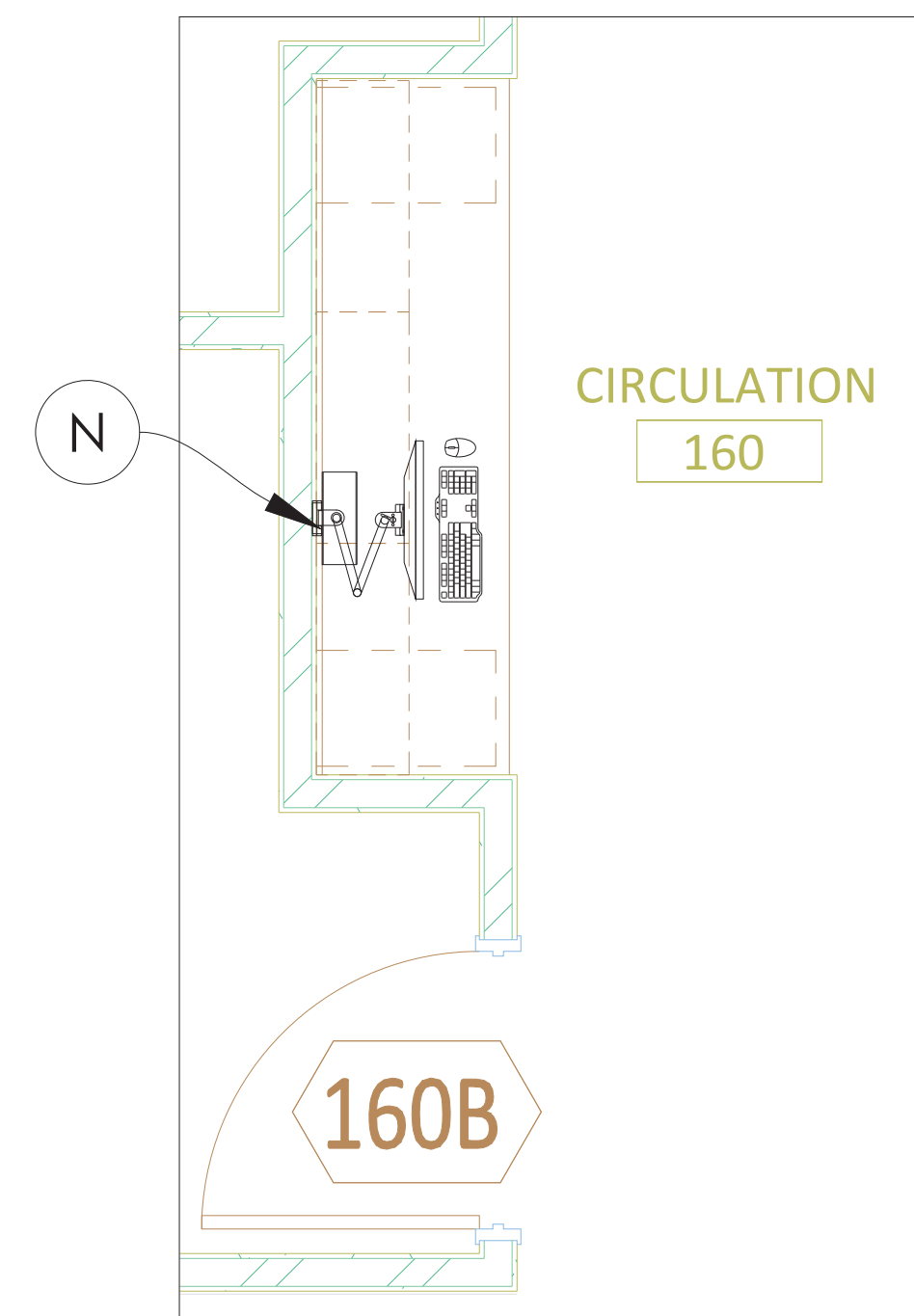
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NOTES: (UNLESS OTHERWISE SPECIFIED)

EQUIPMENT SCHEDULE		
KEY ITEM	NAME	QTY
C	SLX 628 LIGHT / UDM BLOCK #:	1
F	S-SERIES SPS-3-C EQUIPMENT BOOM / SLX 628 LIGHT / UDM BLOCK #:	1
J	COR LITE	1
J2	TOUCH PANEL	1
K	SK ENCLOSURE (ABOVE CEILING)	1
K9	TC JUNCTION BOX LIGHT-UDM	1
K10	UDM LV BOX	2
L	WALL CONTROL PANEL (RECESSED)	1
M	FLUSH MOUNTED CEILING SPEAKER	2
N	CUSTOMER PROVIDED PC	1
P	55" 4K MONITOR	1

CONDUIT SCHEDULE		
CONDUIT RUN ITEM - ITEM	CONDUIT QTY	CONDUIT SIZE
C - J	1	1 1/4"
C - K	2	1"
C - K9	1	1"
F - J	1	1 1/4"
F - K	2	1"
F - J	2	2"
J2 - J	1	1 1/4"
K9 - K	2	1"
K10 - J	1	1 1/4"
L - J	1	1"
L - K	1	1"
M - J	1	3/4"
N - J	1	1 1/4"
P - J	1	1 1/4"
C, K & K9	1 X 1" CONDUIT TO NEAREST ELECTRICAL PANEL	



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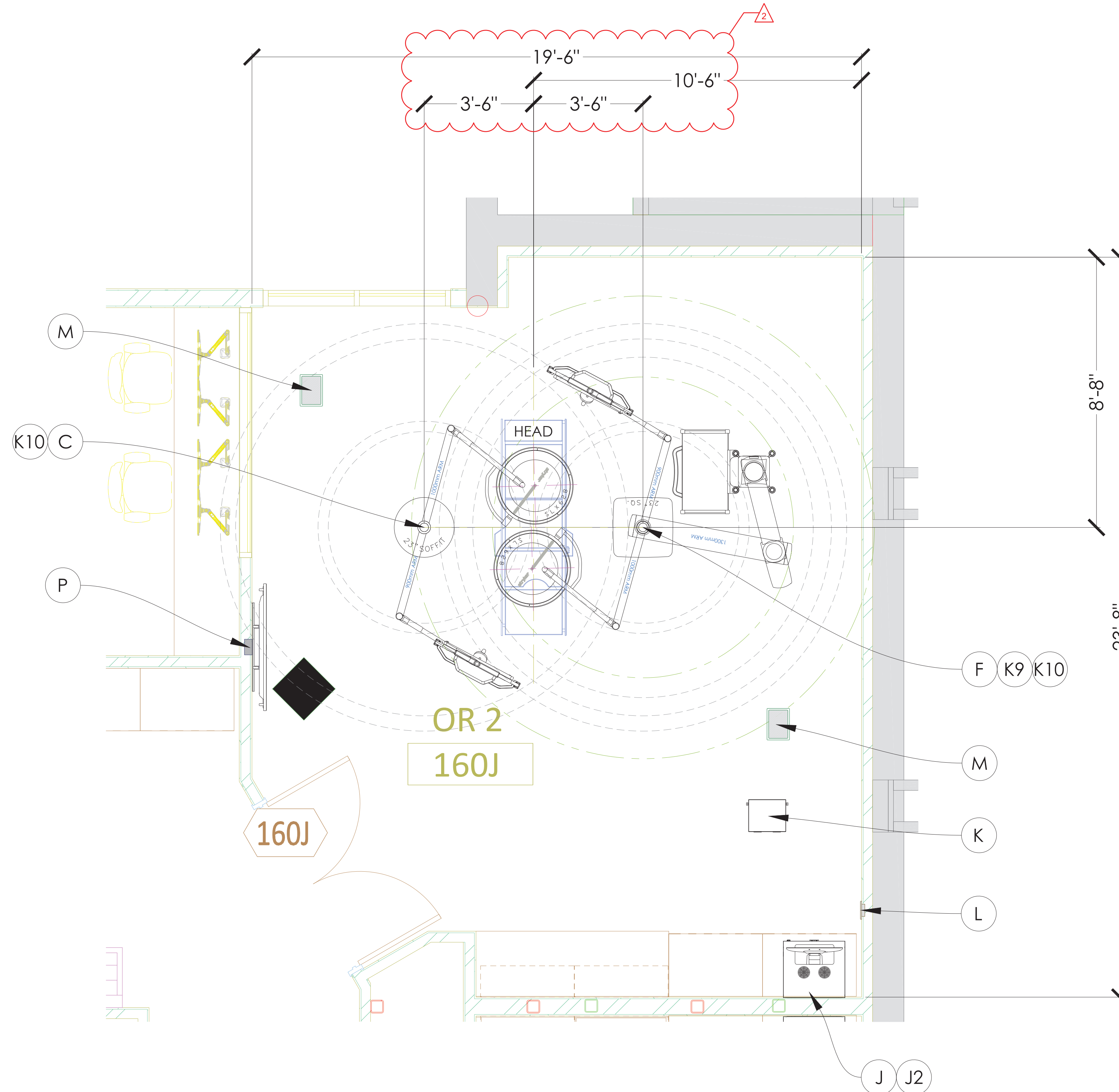
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SCALE: 1/2" = 1'

NOTES: (UNLESS OTHERWISE SPECIFIED)

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K9	TC JUNCTION BOX LIGHT-UDM	1
K10	UDM LV BOX	2
L	WALL CONTROL PANEL (RECESSED)	1
M	FLUSH MOUNTED CEILING SPEAKER	2
P	55" 4K MONITOR	1

CONDUIT SCHEDULE		
CONDUIT RUN ITEM - ITEM	CONDUIT QTY	CONDUIT SIZE
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C - K	2	1"
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F - J	1	1 1/4"
F - K	2	1"
F - J	2	2"
J2 - J	1	1 1/4"
K9 - K	2	1"
K10 - J	1	1 1/4"
L - J	1	1"
L - K	1	1"
M - J	1	3/4"
P - J	1	1 1/4"
C, K & K9	1 X 1" CONDUIT TO NEAREST ELECTRICAL PANEL	



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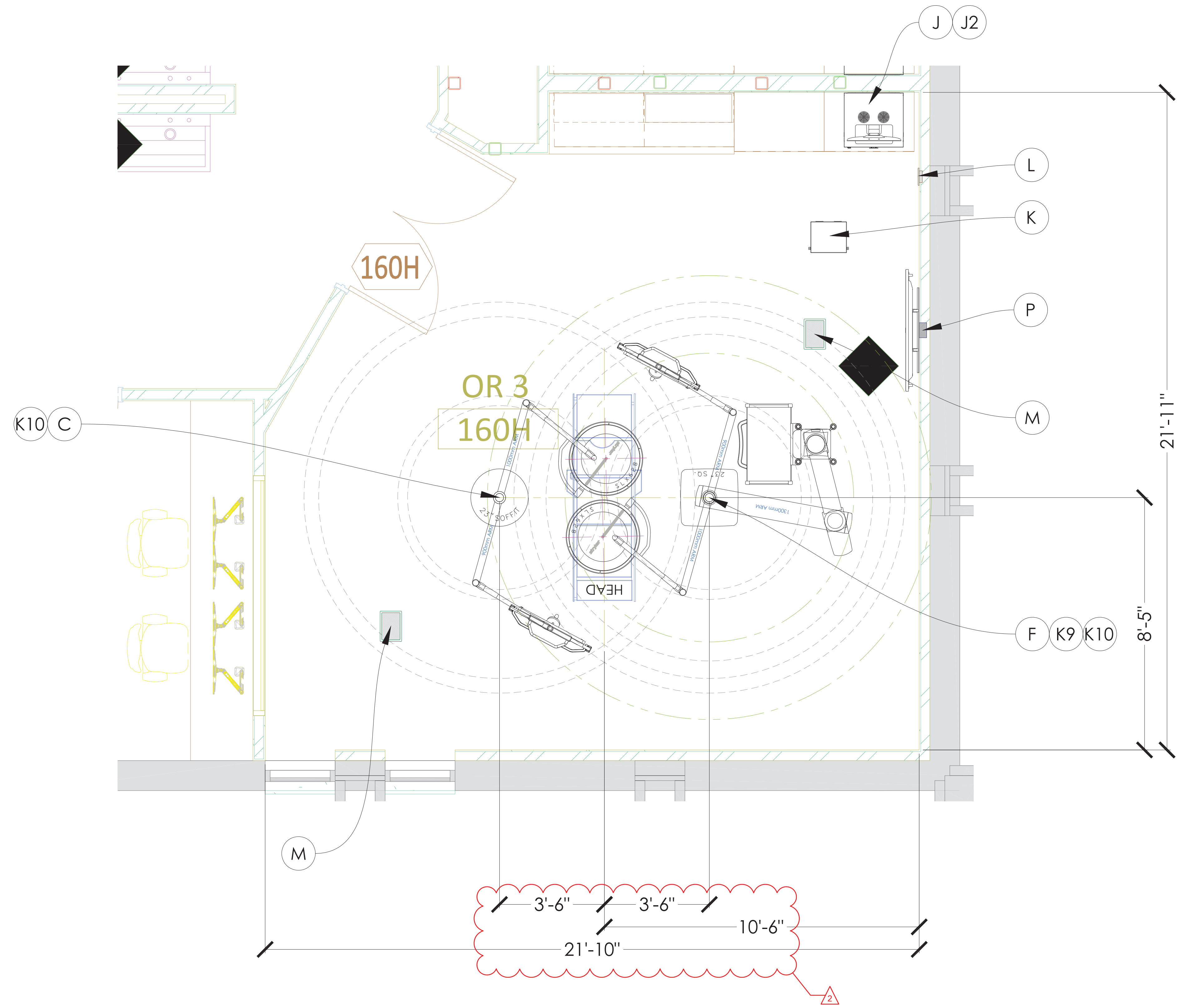
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J	COR LITE	1
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CONDUIT SCHEDULE		
CONDUIT RUN ITEM - ITEM	CONDUIT QTY	CONDUIT SIZE
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C - K	2	1"
C - K9	1	1"
F - J	1	1 1/4"
F - K	2	1"
F - J	2	2"
J2 - J	1	1 1/4"
K9 - K	2	1"
K10 - J	1	1 1/4"
L - J	1	1"
L - K	1	1"
M - J	1	3/4"
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C, K & K9	1 X 1" CONDUIT TO NEAREST ELECTRICAL PANEL	



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2. CONDUIT RUNS CANNOT EXCEED 45' FROM END-TO-END. DO NOT EXCEED FOUR (4) 90 DEGREE BENDS.
3. CABLES BETWEEN ITEMS OVER 45 FEET IN LENGTH ARE PROVIDED BY THE CUSTOMER / CONTRACTOR. PLEASE REFER TO EQUIPMENT LIST FOR CABLE SPECIFICATIONS.
4. THE PRE-INSTALL MANUAL REQUIREMENTS SUPERSEDE ALL PRE-INSTALL NOTES IN THIS DRAWING PACKAGE.
5. EQUIPMENT LIST:

PRE-INSTALL NOTES SCHEDULE

KEY ITEM	NAME
C	<p>SLX SURGICAL LIGHT / UNIVERSAL DISPLAY MOUNT</p> <p>STRUCTURAL: - STRYKER PRE-INSTALL PLATE SHALL BE INSTALLED BY CUSTOMER/CONTRACTOR AT 3-INCH, ± .25-INCH ABOVE FINISHED CEILING PER CUSTOMER PROVIDED STRUCTURAL ENGINEER SPECS. CONTRACTOR IS RESPONSIBLE FOR PROTECTING THREADED HOLES DURING THE PLATE WELDING/INSTALLATION PROCESS, TO PREVENT SLAG FROM OBSTRUCTING THREADED HOLES. - COMMON MOUNTING PLATE, A 21.25-INCH CIRCULAR HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR INSTALLATION. A 23.25-INCH CIRCULAR CEILING COVER CONCEALS HOLE AFTER SUSPENSION IS INSTALLED</p> <p>POWER: - A UDM JUNCTION BOX (SUPPLIED BY STRYKER AND MEASURES 10-INCH HEIGHT X 8-INCH WIDTH X 4-INCH DEPTH) MUST BE MOUNTED WITHIN 18-INCHES OF SUSPENSION MOUNT AND ACCESSIBLE FROM THE ACCESS PANEL. THIS IS MOUNTED BY AN ELECTRICIAN AND IS REQUIRED FOR MONITOR CABLING. - PLEASE CONSULT PM FOR UDM POWER REQUIREMENTS: - NEW CONSTRUCTION TYPICALLY UTILIZES AC POWER REQUIREMENTS. UPGRADES TO EXISTING SUSPENSIONS MUST UTILIZE DC POWER REQUIREMENTS. - IF UDM MONITOR IS POWERED VIA AC POWER, CONTRACTOR TO PROVIDE AN AC CIRCUIT TO THE AC TERMINAL BLOCK ON THE FLANGE TUBE. - IF UDM MONITOR IS POWERED VIA DC POWER, A DC POWER CABLE WILL BE PULLED BY STRYKER THROUGH A SEPARATE CONDUIT. (REFER TO CONDUIT SCHEDULE)</p> <p>CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE. TERMINATE ALL CONDUIT WITHIN 18" OF THE CENTER OF THE CEILING MOUNT.</p> <p>ACCESS PANEL: - ONE (1) 24" X 24" ACCESS PANEL ADJACENT TO SUSPENSION (REV A)</p>

PRE-INSTALL NOTES SCHEDULE

KEY ITEM	NAME
F	<p>EQUIPMENT BOOM / SLX SURGICAL LIGHT / UNIVERSAL DISPLAY MOUNT</p> <p>STRUCTURAL: - STRYKER COMMON PRE-INSTALL PLATE SHALL BE INSTALLED BY CUSTOMER/CONTRACTOR AT 3-INCH, ± .25-INCH ABOVE FINISHED CEILING PER CUSTOMER PROVIDED STRUCTURAL ENGINEER SPECS. CONTRACTOR IS RESPONSIBLE FOR PROTECTING THREADED HOLES DURING THE PLATE WELDING/INSTALLATION PROCESS, TO PREVENT SLAG FROM OBSTRUCTING THREADED HOLES. - TO ENSURE ADEQUATE ROOM FOR INSTALLATION OF THE S-SERIES BOOM THE OWNER AND/OR CONTRACTOR MUST ENSURE THAT STRUCTURAL/UTILITY COMPONENTS DO NOT INTERFERE WITH ANY PART OF THE S-SERIES BOOM. THIS "NO-FLY" ZONE EXTENDS 12-INCHES FROM THE MOUNTING PLATE ON ALL SIDES, AND 16-INCHES UP FROM THE FINISHED CEILING. - REQUIRED: A 21-INCH SQUARE HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR INSTALLATION. A 23-INCH SQUARE CEILING COVER CONCEALS HOLE AFTER BOOM IS INSTALLED</p> <p>POWER: - REFER TO S-SERIES MANUFACTURING SERVICE MODULE DRAWING FOR ELECTRICAL CIRCUIT COUNT. - THE CONTRACTOR / ELECTRICIAN TO HARDWIRE STRYKER ELECTRICAL WHIP DURING STRYKER INSTALLATION. - ALL ELECTRICAL CIRCUITS SHALL BE CONNECTED TO S-SERIES JUNCTION BOX OR BOXES. - THE S-SERIES JUNCTION BOX (7.4" X 3.5" X 3.74") ARRIVES ATTACHED TO THE S-SERIES BOOM FLANGE BY A GROUND WIRE. THE JUNCTION BOX MUST BE MOUNTED ADJACENT TO THE MED GAS LINES BY THE CUSTOMER/CONTRACTOR ACCORDING TO NATIONAL AND LOCAL BUILDING CODES. - TWO SEPARATE JUNCTION BOXES: A TC JUNCTION BOX AND UDM JUNCTION BOX (BOTH SUPPLIED BY STRYKER AND MEASURE 10-INCH HEIGHT X 8-INCH WIDTH X 4-INCH DEPTH) MUST BE MOUNTED WITHIN 18-INCHES OF BOOM MOUNT AND ACCESSIBLE FROM THE ACCESS PANEL. THESE ARE MOUNTED BY AN ELECTRICIAN AND IS REQUIRED FOR POWER AND CABLING. - IF UDM MONITOR IS POWERED VIA AC POWER, CONTRACTOR TO PROVIDE AN AC CIRCUIT TO THE AC TERMINAL BLOCK IN THE TC JUNCTION BOX.</p> <p>REQUIRED ACCESS PANEL: - ONE (1) 24-INCH X 24-INCH ACCESS PANEL ADJACENT TO BOOM, SO JUNCTION BOXES, TC JUNCTION BOX AND MED GAS LINES CAN BE EASILY ACCESSED.</p> <p>CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT SIZE. TERMINATE ALL CONDUITS WITHIN 18-INCHES OF THE CENTER OF THE CEILING MOUNT.</p> <p>PLUMBING: - INSTALL VALVE BRIDGE TO TOP OF PRE-INSTALL PLATE. ALL GAS LINES MUST BE TERMINATED WITH STRYKER SUPPLIED GAS RISERS BY CUSTOMER/MEDGAS INSTALLER. - ALL FINAL DISS CONNECTIONS TO BE MADE BY CUSTOMER/MEDGAS INSTALLER AFTER STRYKER INSTALLATION. (REV A)</p>

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PRE-INSTALL NOTES SCHEDULE

KEY ITEM	NAME
J	<p>COR LITE DIMENSIONS: - TOTAL SPACE REQUIRED: 27.5"W X 31"H X 29"D - STRYKER-PROVIDED 9U RACK: 23.62"W X 19.83"H X 21.71"D POWER: TWO (2) 20A CIRCUITS** AT THE MEDIA HUB LOCATION **NOTE: 3 CIRCUITS MAY BE REQUIRED WITH CERTAIN SUSPENSIONS, CONSULT WITH YOUR STRYKER PROJECT ENGINEER. - ALL RECEPTACLES REQUIRE CRITICAL POWER. - ALL ELECTRICAL CIRCUITS SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR WHAT IS SPECIFIED IN THE IBC. - A UPS IS RECOMMENDED FOR AT LEAST ONE (1) OF THE 20A CIRCUITS. DATA: TWO (2) ETHERNET CONNECTIONS BACKBOX: ONE (1) 12"W X 12"H X 4"D (OR LARGER) JUNCTION BOX FLUSH MOUNTED AND COVERED WITH A 12"X12" U-PROFILE SPLIT PLATE WITH A 6" DIAMETER PASSTHROUGH. - SET BOTTOM OF BOX 9" ABOVE FINISHED FLOOR. - NOTE: TERMINATE ALL INTEGRATION CONDUITS TO THIS JUNCTION BOX. (Rev A)</p>
J2	<p>TOUCH PANEL CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE BACK BOX: ONE (1) 4"W X 4"H JUNCTION BOX WITH SINGLE-GANG MUD RING - MOUNT J-BOX WITHIN 18" OF TOUCH PANEL LOCATION POWER: ONE (1) QUAD OUTLET WITHIN 18" OF TOUCH PANEL LOCATION. (Rev A)</p>
K	<p>SK ENCLOSURE (ABOVE CEILING) ENCLOSURE DIMENSIONS/MOUNTING: - SINGLE ENCLOSURE 19.69" X 15.75" X 7.87" (1-2 LIGHTHEADS), WEIGHT = 64LBS - DOUBLE ENLCOSURE 19.69" X 31.5" X 7.87" (3-4 LIGHTHEADS), WEIGHT = 128 LBS - MUST REMAIN ACCESSIBLE AFTER INSTALLATION (THROUGH NEARBY ACCESS PANEL). HINGED DOORS MUST HAVE COMPLETE FREEDOM OF MOVEMENT IN CEILING AND MUST NOT EVER BE OBSTRUCTED CONDUIT: - MAXIMUM LENGTH OF 45 FEET (15M) OF CONDUIT RUN TO BOTH THE MOUNTING PLATE AND THE TO WALL CONTROL BOX - TWO (2) 1" FROM SK ENCLOSURE TO EACH LIGHT MOUNTING LOCATION, - ONE (1) 1" BETWEEN LIGHT MOUNTING LOCATIONS, - ONE (1) 1" FOR MAINS 120VAC TO SK ENCLOSURE (UP TO TWO(2)) LIGHTS PER CIRCUIT). POWER: - MAINS AC POWER SHOULD BE 120 VAC, 50/60 HZ CONNECTED WITH 3 WIRE, 12 AWG MIN., 600 V TERMINATED TO FUSED TERMINAL BLOCK INSIDE THE SK ENCLOSURE - DC WIRING FROM SK ENCLOSURE TO MOUNTING PLATE SHOULD BE 12 AWG, 600 VOLT, 1 WIRE PAIR PER LIGHT HEAD AND 1 GROUND WIRE PER MOUNTING PLATE. WIRES TERMINATE AT NON-FUSED TERMINAL BLOCK INSIDE THE SK ENCLOSURE AND FALL A MINIMUM OF 18 INCHES BELOW THE CEILING AT THE MOUNTING PLATE - CONTRACTOR IS RESPONSIBLE FOR RUNNING POWER FROM AN AC MAINS SUPPLY TO THE SK BOX - CONTRACTOR IS RESPONSIBLE FOR RUNNING DC WIRING FROM THE SK ENCLOSURE TO THE SURGICAL LIGHT MOUNTING PLATE - CONTRACTOR IS RESPONSIBLE FOR MAKING ALL FINAL AC AND DC CONNECTIONS TO EQUIPMENT (Rev A)</p>

PRE-INSTALL NOTES SCHEDULE

KEY ITEM	NAME
K9	<p>TC JUNCTION BOX LIGHT-UDM TC JUNCTION BOX IS TO BE MOUNTED WITHIN 3FT OF BOOM MOUNT AND ACCESSABLE FROM THE ACCESS PANEL. UPON EQUIPMENT INSTALLTION AN ELECTRONICS MODULE WILL BE INSTALLED BY STRYKER INSTALLATION TEAM AND THE LOW VOLTAGE CAN BE TERMINATED TO THE MODULE PLATE BY THE ELECTRICIAN. UDM: - AC TERMINAL BLOCK IS PROVIDED IN THE TC JUNCTION BOX FOR THE UDM MONITOR. THIS WILL ONLY BE USED IF AC POWER IS USED FOR THE UDM MONITOR. - THIS TC JUNCTION BOX WILL HOUSE TERMINAL BLOCKS FOR SURGICAL LIGHT AND MONITOR POWER. (Rev A)</p>
K10	<p>UDM LOW VOLTAGE BOX UDM JUNCTION BOX (SUPPLIED BY STRYKER AND MEASURES 10-INCH HEIGHT X 8-INCH WIDTH X 4-INCH DEPTH) MUST BE MOUNTED WITHIN 18-INCHES OF SUSPENSION MOUNT AND ACCESSIBLE FROM THE ACCESS PANEL. - THIS IS MOUNTED BY AN ELECTRICIAN AND IS REQUIRED FOR MONITOR CABLING. (Rev A)</p>
L	<p>WALL CONTROL PANEL (RECESSED) CONDUIT: - ONE (1) 1" CONDUIT WITH FINISH GROMMETS TO SK ENCLOSURE OR ON TUBE ELECTRONICS. ENSURE ONE END OF CONDUIT TERMINATES TO THE BACK OF THE BACKBOX - ONE (1) 1" CONDUIT WITH FINISH GROMMETS TO VIDEO INTEGRATION/HUB LOCATION. REFER TO ROOM LAYOUT FOR LOCATION. ENSURE ONE END OF CONDUIT TERMINATES TO THE BACK OF THE BACKBOX BACK BOX: - CONTRACTOR MUST SUPPLY ONE (1) STANDARD 4X4 JUNCTION BOX MOUNTED DIRECTLY BEHIND THE STRYKER-PROVIDED WALL CONTROL BOX, LOCATED 53" (1.35M) ABOVE FLOOR. ENSURE FRONT OF STRYKER PROVIDED BACKBOX IS FLUSH WITH THE WALL. POWER: NONE (Rev B)</p>
M	<p>FLUSH MOUNTED CEILING SPEAKER CONDUIT: - ONE (1) 3/4" CONDUIT PER SPEAKER (TERMINATES TO WITHIN 18 INCHES). - 4" OF CLEARANCE ABOVE FINISHED CEILING BACK BOX: NONE STRUCTURAL: - CUSTOMER / CONTRACTOR TO CUT ONE 7 1/4"W X 10 3/4"L (TEMPLATE SUPPLIED WITH SPEAKER) IN THE WALL AT EACH SPEAKER MOUNTING LOCATION PRIOR TO STRYKER INSTALLATION. DIMENSIONS: 8.5" X 12" X 3.5" (WXHXD) WEIGHT: 8.7LBS (Rev A)</p>

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KEY ITEM	NAME
N	CUSTOMER PROVIDED PC CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE BACK BOX: ONE (1) RACO 256 JUNCTION BOX WITH RACO 782 MUD RING. - MOUNT THE J-BOX 18" ABOVE FINISHED FLOOR. POWER: NONE REQUIRED (REV A)
P	55" 4K MONITOR CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE BACK BOX: ONE (1) 4"W X 4"H JUNCTION BOX WITH SINGLE-GANG MUD RING - MOUNTED DIRECTLY ABOVE THE TOP OF THE MOUNTING BRACKET. POWER: ONE (1) STANDARD DUPLEX OUTLET MOUNTED ADJACENT TO JUNCTION BOX. STRUCTURAL: CUSTOMER/CONTRACTOR TO MOUNT STRYKER PROVIDED BRACKET TO THE WALL IN THE DESIRED LOCATION WITH PROPER REINFORCEMENT TO SUPPORT THE MONITOR PRIOR TO STRYKER INSTALLATION. STRYKER-PROVIDED WALL BRACKET DEPTH: 2.7" DIMENSIONS: 48.8" X 28.1" X 2.7" WEIGHT: 59.08LBS NOTE: STRYKER PROJECT MANAGER WILL PROVIDE MOUNTING SPECIFICATIONS. (REV A)

stryker

571 SILVERON BLVD.
 FLOWER MOUND, TX 75028
 PHONE: (877) 789-8106
 WWW.STRYKER.COM

REV:	DATE:	DRAWING #:	DRAFTER	IR
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PRE-INSTALL NOTES

LAKE AREA TECHNICAL INSTITUTE
 WATERTOWN SIM 24
 WATERTOWN, SD 57201

PRELIMINARY
DISCLAIMER: THIS DRAWING IS IN A PRELIMINARY STATUS AND PENDING FINAL APPROVAL. ALL DRAWINGS IN A PRELIMINARY STATUS SHALL NOT BE USED FOR CONSTRUCTION.

REP: PETE SANCHEZ
 P.M: KEVIN CROW

SHEET:
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