SWTHZ

1138 WILMINGTON AVE
SALT LAKE CITY, UTAH

REGULATORY AGENCY SUMMARY

THIS TENANT IMPROVEMENT IS DESIGNED IN COMPLIANCE W/ THE FOLLOWING CODES AND REGULATIONS:

BUILDING CODE
International Building Code, 2018
as amended by city Revised Code

MECHANICAL CODE
International Mechanical Code, 2018
as amended by city Revised Code

PLUMBING CODE
International Plumbing Code, 2018
as amended by city Revised Code

FIRE CODE
International Fire Code 2018
as amended by city Revised Code
NFPA 13

ELECTRICAL CODE
National Electrical Code, 2020
as amended by city Revised Code

FUEL GAS CODE
International fuel gas code, 2018
as amended by city Revised Code

ENERGY CODE
International Energy Conservation code, 2018
as amended by city Revised Code

ACCESSIBILITY
2009 ANSI A117.1; 2010 ADA

PARKING IN PROJECT
PARKING PROVIDED 72 SPACES
ACCESSIBLE 3 SPACES

CONSTRUCTION TYPE: III-B
NOT SPRINKLERED

OCCUPANCY TYPE:
GROUP B

FIRE SPRINKLER AND ALARM PLANS ARE UNDER DEFERRED SUBMITTAL AND SHALL BE PREPARED BY A LICENSED FIRE ALARM CONTRACTOR. TESTING MUST BE IN THE PRESENCE OF THE FIRE MARSHAL. SPRINKLER DRAWING PROVIDED WITH SET
SPRINKLER/FIRE ALARM SYSTEM IS EXISTING TO REMAIN/MODIFICATION UNDER SEP PERMIT
SIGNAGE IS A SEPARATE SUBMITTAL AND PERMIT

SHEET INDEX

REV		DATE ISSUED	DWG. NO.	DRAWING
	●	11.8.24	A-1	COVER SHEET
	●		A-1.1	SITE PLAN
	●		A-1.2	ADA DETAILS
	●		A-1.3	EXIT PLANE / RESPONSIBILTY MATRIX
	●		A-2	FLOOR PLAN
	●		A-2.1	EQUIPMENT PLAN
	●		A-3	REF. CEILING PLAN
	●		A-4	FINISH PLAN
	●		D-1	DETAILS
	●		D-2	ELEVATIONS/ DETAILS
	●		D-3	SCHEDULES / DETAILS
	●		D-4	ELEVATIONS
	●		D-5	SPECIFICATIONS
	●		M-0	SPECIFICATIONS AND NOTES
	●		M-1	SCHEDULES/DETAILS
	●		M-2	FLOOR PLAN
	●		P-0	PLUMBING NOTES
	●		P-1	PLUMBING WASTE AND VENT
	●		P-2	PLUMBING WATER
	●		E-0	NOTES
	●		E-1	ELECTRICAL PLAN -LIGHTING
	●		E-2	ELECTRICAL PLAN- POWER/ROOF
	●		E-3	SCHEDULES/RISER/SPECIFICATIONS
	●		EN-1	ENERGY
	●		EN-2	ENERGY

PROJECT DIRECTORY

OWNER
SWTHZ
1138 WILMINGTON
SALT LAKE CITY, UT
BUSINESS USE: CONTRAST THERAPY STUDIO

DESIGNER/ PROJECT CONTACT
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ARCHITECT
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PLUMBING/ ELECTRICAL DESIGNER
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8595 Canton rd
Marietta GA.
678.643.7302
Contact: Crawford Murphy

CONTRACTOR: TO BE BID

REQUIRED NOTES

1. ALL PRODUCTS LISTED BY ICBO/NER NUMBERS SHALL BE INSTALLED PER THE REPORT AND MANUFACTURERS WRITTEN INSTRUCTION. PRODUCT SUBSTITUTIONS FOR PRODUCTS LISTED SHALL ALSO HAVE ICBO APPROVED EVALUATION REPORT, OR BE APPROVED AND LISTED BY OTHER NATIONALLY RECOGNIZED TESTING AGENCY.
2. ALL EXITS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, OR ANY SPECIAL KNOWLEDGE. MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS ARE PROHIBITED.
3. ALL GLASS IN HAZARDOUS AREAS, AND 18" OFF THE FLOOR, OR WITHIN 24" FROM THE DOOR JAMB OF THE ACTIVE LEAF OF A DOOR, OR ANY OTHER WAY SUBJECT TO HUMAN IMPACT SHALL BE TEMPERED GLASS.
4. MAINTAIN A MINIMUM OF 44" CLEAR UNOBSTRUCTED EMERGENCY EXIT AISLE TOWARDS DESIGNATED EXITS. MARK DESIGNATED EXITS WITH AN * ON YOUR FLOOR PLAN.
5. FLAMESPREAD RATING FOR INTERIOR FINISHES NOT TO EXCEED AS FOLLOWS:
   VERTICAL SHAFT AND ENCLOSURES 0-25
   LOBBIES/CORRIDORS 25-75
   ALL OTHER AREAS 200
6. NO EXTERIOR VENDING OR DISPLAY SHALL BE ALLOWED
7. ALL EQUIPMENT, UTILITIES, OR OTHER APPURTENANCES ATTACHED TO THE BLDG. SHALL BE AN INTEGRAL PART OF THE BLDG DESIGN IN TERMS OF FORM, COLOR AND TEXTURE
8 ALL EXTERIOR MECHANICAL, UTILITY,AND COMMUNICATION EQUIP. SHALL BE SCREENED TO THE HEIGHT OF THE TALLEST UNIT BY PARAPET OR SCREEN WALL THAT MATCHES THE ARCHITECTURAL COLOR AND FINISH OF THE BLDG. GROUND MOUNTED UTILITY, MECHANICAL, AND COMMUNICATION EQUIP. SHALL BE SCREENED BY A WALL THAT MATCHES THAT ARCHITECTURAL COLOR AND FINISH OF THE BLDG. AND IS A MINIMUM OF 1'-0" HIGHER THAN THE HIGHEST POINT OF THE TALLEST UNIT.
9. ALL SIGNS REQUIRE A SEPARATE PERMIT.
10. EXTERIOR MODIFICATIONS MADE WITH THIS TI WILL BE STOREFRONT AND ADDITION OF KITCHEN MECHANICAL IN EXISTING SHELL WELLS.

PROJECT DATA/DESCRIPTION

PROJECT DESCRIPTION A TENANT IMPROVEMENT LOCATED ON FLOOR 1 IN AN EXISTING ONE STORE BUIDING

OCCUPANCY/ EXITS

OCCUPANCY TYPE:
GROUP B
SQUARE FOOTAGE 2184 USABLE OVERALL FLOOR;
1968/150 OFFICE; 13.12 OCCUPANTS
216/300 STORAGE; .72 OCCUPANTS

TOTAL OCCUPANTS 13.84 = 14
REQUIRED EXITS 1 PROVIDED EXITS 2

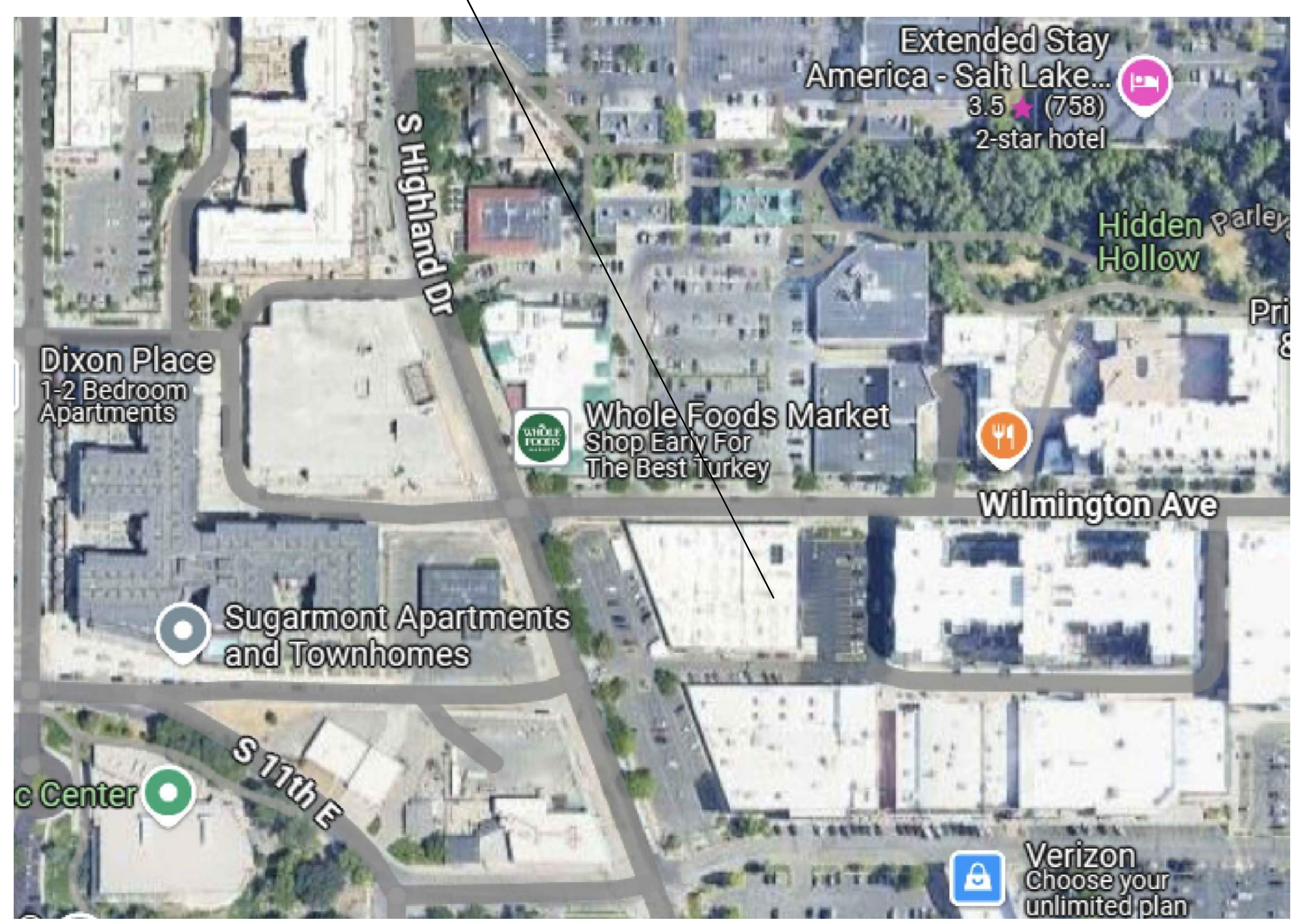
CLIENT APPROVAL

APPROVED__________________ DATE____________

PLEASE CAREFULLY REVIEW LOCATIONS OF GLASS, PARTITIONS, DOORS, TELEPHONE OUTLETS, PLUMBING FIXTURES AND ALL OTHER WORK ADDRESSED IN THESE DOCUMENTS. REVISIONS HENCE FORTH MAY BE SUBJECT TO ADDITIONAL FEES INCURRED BY THE CLIENT; INCLUDING, BUT NOT LIMITED TO, DESIGN FEES, CONSTRUCTION COSTS AND SUBSEQUENT EXTENSION OF THE CONSTRUCTION COMPLETION DATE.

AREA LOCATION MAP

TI- THIS LOCATION



NORTH

GENERAL NOTES, CONT.

29. INTERIOR FINISH SHALL CONFORM WITH I.B.C. WALL AND CEILING MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN I.B.C.
30. ALL DRYWALL SHALL BE TYPE "X".
31. GENERAL CONTRACTOR SHALL REVIEW FIELD CONDITIONS AND FURRED OUT PERIMETER WALLS, MAKING ALLOWANCE TO INSURE THAT ALL ELECTRICAL/TELEPHONE AND MISCELLANEOUS COVER-PLATES AND JUNCTION BOXES WILL FLUSH OUT EXACTLY TO FINISHED FACE, SUCH THAT NO GAPS ARE EVIDENT.
32. THE CONTRACTOR SHALL COMMUNICATE WITH THE BUILDING OWNER TO ASCERTAIN ANY AND ALL OWNER REQUIREMENTS FOR TENANT IMPROVEMENT WORK. ANY COSTS ASSOCIATED WITH THE OWNERS REQUIREMENTS SHALL BE INCLUDED IN THE WORK OF THIS CONTRACT. ANY ITEMS IN CONFLICT WITH THE DRAWINGS SHALL BE RESOLVED PRIOR TO BID SUBMITTAL.
33. ALL ANGLES AT 45^ UNLESS NOTED OTHERWISE
34. PATCH, REPAIR OR REBUILD ANY EXISTING WORK THAT IS ALTERED DUE TO NEW WORK. RETURN TO LIKE NEW CONDITION
35. ALL THRESHOLDS SHALL NOT EXCEED 1/2" IN TRANSITION HEIGHT AND SHALL BE 45^.
36. ALL DESIGNS, DRAWINGS AND DETAILS REPRESENT COMPLETED, IN-PLACE WORK THE ARCHITECT IS NOT RESPONSIBLE FOR CONSTRUCTION, MEANS, METHODS, TECHNIQUES SEQUENCES, PROCEEDURES OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE OMMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSON PERFORMING ANY PORTION OF THE WORK OR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK.
37. THE ARCHITECT CANNOT AND DOES NOT WARRANT THE SAFETY OR INTEGRITY OF THE EXISTING SHELL BUILDING OR ANY OF ITS COMPONENTS OR THAT THE EXISITNG TENANT SPACE WAS CONSTRUCTED TO CODE. THE ARCHITECTS INVOLEMENT WITH THE EXISTING BUILDING IS LIMITED TO THE NEW WORK SHOWN IN THE ARCHITECTURAL DRAWINGS
38. ONLY THE MOST CURRENT , APPROVED SET OF DRAWINGS SHALL BE AT THE JOB SITE. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED ONES.
39. PROVIDE BATTS INSULATION PER WALL THICKNESS AT ALL WALLS AS DESIGNATED ON THE PLANS ADDITIONALLY, PROVIDE R-38 BATT INSULATION AT THE ROOF. ALL INSULATION MATERIALS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450, WHEN TESTED IN ACCORDANCE WITH IBC STD. 8-1. PROVIDE FACED INSULATION WHERE EXPOSED, ESPECIALLY ABOVE CEILING
40. THE CONTRACTOR SHALL PROVIDE NON-COMBUSTIBLE BACKING/BRACING AS REQ'D. FOR ALL WALL MOUNTED EQUIPMENT, TV'S, CABINETRY, GRAB BARS, ETC. PRIOR TO INSTALL OF GYP. BD.
41. PROVIDE A MINIMUM OF THESE TOILET ACCESSORIES:
    - GRAB BARS AS SHOWN ON PLAN. 42" AND 36" BOBRICK CONCEALED ATTACMENT
    - TOILET TISSUE DISPENSER - BOBRICK #B-4288
    - DECO MIRROR - TBD.
    - PAPER TOWEL DISPENSER - BOBRICK #B-262
    - TOILET SEAT COVER DISPENSER - BOBRICK #
42. ROOM IDENTIFICATION SIGNAGE SHALL BE LOCATED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AT A HEIGHT OF 60". REQUIRED ACCESSIBILITY SIGNS SHALL USE THE INTERNATIONAL SYMBOL FOR ACCESSIBILTY AND SHALL BE OF NON-GLARE AND CHARACTERS SHALL BE CONTRASTING. ALL SIGNAGE SHALL INCLUDE BRAILLE.

FIRE DEPARTMENT NOTES

1. NOT USED
2. ALL FIRE PROTECTION SYSTEMS SHALL REMAIN OPERATIONAL AND MODIFIED AS NECESSARY FOR CODE COMPLIANCE.
3. MOUNT MINIMUM 2:A-10:BC RATED FIRE EXTINGUISHER(S) WITHIN 75' OF ALL PORTIONS OF TENANT SPACE. FIRE EXTINGUISHER QUANITY & LOCATION(S) SHALL BE APPROVED BY THE FIRE INSPECTOR.
4. EXIT & EMERGENCY LIGHTS SHALL COMPLY WITH CITY ORDINANCE & IFC.
5. FIRE LANES TO BE ESTABLISHED AND/OR MAINTAINED.
6. ESTABLISH & MAINTAIN 20' OF ACCESS TO ALL STRUCTURES FROM THE PUBLIC ROADWAY DURING CONSTRUCTION.
7. PROVIDE A NEW KNOX BOX IF ONE DOES NOT EXIST ON BUILDING. MOUNT BY MAIN ENTRANCE 4' - 6' A.F.F. PROVIDE DOOR KEY FROM TENANT AND PLACE IN KNOX BOX.
8. NUMERICAL PREMISES ID MUST BE LEGIBLE FROM STREET OR DRIVE. MINIMUM 6" LETTERS FOR BUILDING AND 3" LETTERS FOR SUITE.
9. CONTRACTOR TO VERIFY EXISTING AND/OR REQUIRED FIRE HYDRANT(S) INSTALLATION & MARKED WITH A BLUE REFLECTOR PRIOR TO CERTIFICATE OF OCCUPANCY.
10. PROVIDE SHOP DRAWINGS FOR ANY MODIFICATION OF THE FIRE ALARM SYSTEM AND COMPLY WITH NFPA 72 AND LOCAL CODES SUBMITTAL AND APPROVAL OF SHOP DRAWINGS REQUIRED

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDDING AND SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING WORK. SHOULD ANY CONDITION ARISE WHERE THE INTENT OF THE DRAWINGS IS IN DOUBT OR WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND FIELD CONDITIONS, THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION. THE STARTING OF ANY WORK, BY ANY CONTRACTOR OR SUBCONTRACTOR SHALL BE CONSIDERED PRIMA FACIE EVIDENCE THAT HE HAS INSPECTED AND ACCEPTED ALL CONDITIONS INVOLVED IN HIS WORK AND FINDS THEM SATISFACTORY.
2. ALL WORK, INCLUDING MATERIALS AND WORKMANSHIP, SHALL CONFORM TO THE REQUIREMENTS OF LOCAL CODES, LAWS, AND ORDINANCES, AND THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE. IN THE EVENT OF A CONFLICT WITH CODE REQUIREMENTS AND ITEMS CALLED OUT ON THE PLANS, THAT CODE OR CALL-OUT WHICH ESTABLISHES THE HIGHER STANDARD SHALL TAKE PRECEDENCE.
3. WE CERTIFY TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THAT THE DESIGN OF THE PROJECT COMPLIES WITH APPLICABLE TITLE III PROVISIONS OF THE ADA AND ANSI 117.1
4. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL EXIT SIGNS AND FIRE ALARM SPEAKERS AND HORNS AND EMERGENCY LIGHTING AS AS REQUIRED BY THE CITY FIRE CODE AND THE ADA. EXIT SIGNS SHALL BE WORDED "EXIT" IN LETTERS HAVING THE PRINCIPAL STROKE OF NOT LESS THAN 9" WIDE AND 6" HIGH. EMERGENCY LIGHTING SHALL PROVIDE A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL PER SEC IBC
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF FIRE RATED WALLS (I.E. NO GAPS, HOLES, VOIDS, UNSEALED PENETRATIONS, ETC. BEYOND THAT WHICH CODE ALLOWS). DUCT PENETRATIONS SHALL HAVE FIRE DAMPERS PER IBC ALL GAPS BETWEEN PIPES, CONDUITS, OR DUCTWORK SHALL BE SEALED USING THE DOW CORNING FIRE STOP SYSTEM INSTALLED IN ACCORDANCE WITH I.C.B.O. REPORT NUMBER 3817.
6. ONE HOUR RATED WALLS SHALL BE CONSTRUCTED PER DETAILS. DOOR AND FRAME ASSEMBLIES LOCATED IN THE WALLS SHALL HAVE A 20 MINUTE UL RATING. DOOR SHALL BE SELF CLOSING WITH SMOKE GASKETS AT HEAD AND JAMBS. DUCTWORK PENETRATING THESE WALLS SHALL HAVE A FIRE DAMPER AT THE PENETRATION. ALL GYPSUM BOARD SHALL BE TYPE 'X' PER FIRE CODE.
7. FIRE EXTINGUISHERS SHALL BE 2A10BC RATED. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. SEE FLOOR PLANS FOR EXACT EXTINGUISHER LOCATIONS. EXTINGUISHERS SHALL BEAR A SERVICE TAG AND SHALL BE BRACKET MOUNTED (UNLESS UNLESS OTHERWISE NOTED BY TENANT N.I.C.) SO THAT THE TOP OF THE EXTINGUISHER IS NO HIGHER THAN FOUR FEET A.F.F.
8. FIRE SPRINKLER SYSTEM SHALL COMPLY WITH ALL APPLICABLE RULES, REGULATIONS, LAWS AND ORDINANCES AND SHALL BE INSTALLED ONLY BY A LICENSED CONTRACTOR. THE FIRE SPRINKLER SYSTEM SHALL BE DESIGNED PER N.F.P.A. STANDARD 13; IBC STANDARD FIRE DEPARTMENT ACCESS SHALL BE IN PLACE PRIOR TO VERTICAL CONSTRUCTION.
9. BUILDING DESIGNED FOR LIGHT GAUGE METAL FRAMING AS INDICATED OR DETAILED. WOOD FRAMING INCIDENTAL TO THE PROJECT MAY BE USED PROVIDED IT IS FIRE RETARDANT TREATED.
10. THE CONTRACTOR WARRANTS TO THE OWNER AND THE DESIGNER THAT ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS CONTRACT WILL BE NEW UNLESS OTHERWISE SPECIFIED, AND THAT ALL WORK WILL BE GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. ALL WORK NOT SO CONFORMING TO THESE STANDARDS MAY BE CONSIDERED DEFECTIVE. IT IS UNDERSTOOD THAT NO INFERIOR OR NON-CONFORMING WORK OR MATERIALS WILL BE ACCEPTED WHETHER DISCOVERED AT THE TIME THEY ARE INCORPORATED IN THE WORK OR AT ANY TIME BEFORE OR AFTER THE FINAL ACCEPTANCE. IF REQUIRED BY THE DESIGNER, THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND OF QUALITY OF MATERIALS AND EQUIPMENT.
11. ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED AND CONDITIONED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS OR INSTRUCTION UNLESS HEREINAFTER SPECIFIED TO THE CONTRARY.
12. FLOOR TOLERANCE: IN LAYING OUT AND DETAILING THE WORK TO BE BUILT INTO THE PURCHASED SPACE, CONSIDERATION SHALL BE GIVEN TO VARIATIONS IN THE FLOOR LEVELNESS RESULTING FROM CONSTRUCTION QUALITY AND LIVE AND DEAD LOADS IMPOSED ON THE STRUCTURE. FIELD VERIFICATION SHALL BE MADE OF CONDITIONS TO VERIFY CONSTRUCTION TOLERANCES. ALIGNMENT OF DOOR HEADS AND OTHER HORIZONTAL ELEMENTS SHALL BE MAINTAINED AT A CONSTANT LEVEL AND SHALL NOT FOLLOW VARIATIONS IN FLOOR PLANE. LEVEL FLOORS AS REQUIRED USING APPROVED LEVELING COMPOUND. SURFACES SHALL BE ABSOLUTELY FLAT PLANES SLOPING NOT MORE THAN 1/8" PER FOOT.
13. JUST PRIOR TO INSTALLATION OF CARPET, THE GENERAL CONTRACTOR SHALL MAINTAIN THE SPACE IN "BROOM CLEAN" CONDITION, WHETHER OR NOT INSTALLATION OF CARPET IS THE RESPONSIBILITY OF THE CONTRACTOR.
14. DIMENSIONS TAKE PRECEDENCE OVER SCALE ON CONSTRUCTION DOCUMENTS. UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO THE FACE OF MASONRY, FACE OF CONCRETE AND THE FACE OF GYPSUM ON INT STUD PARTITIONS. ALL DIMENSIONS ARE CLEAR TO INSIDE FINISH FACE UNLESS NOTED OTHERWISE.
15. ALL WORK SHALL BE EXECUTED IN A NEAT AND WORKMANLIKE MANNER, ACCEPTABLE TO THE OWNER.
16. WHEN WORK NOT SPECIFICALLY CALLED OUT IS REQUIRED TO COMPLETE THE PROJECT, IT SHALL BE PROVIDED AND BE OF THE BEST MATERIALS AND WORKMANSHIP.
17. CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION (IN WRITING).
18. UNLESS OTHERWISE SPECIFICALLY NOTED, THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, TRANSPORTATION, AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK.
19. CONTRACTOR TO SUBMIT SHOP DRAWINGS ON ALL MILLWORK.
20. CONTRACTOR TO SUBMIT SAMPLES ON ALL BUILDING FINISH MATERIALS FOR FINAL APPROVAL PRIOR TO ORDERING.
21. ALL REQUIRED WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. ALL REFERENCES TO THE CONTRACTOR INCLUDE THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS AS THOUGH THEY ARE ONE AND THE SAME.THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN ALL SUBCONTRACTORS, INCL THOSE HIRED BY THE OWNER AND SUCH MISCELLANEOUS WORK AS MAY BE NECESSARY FOR THEM TO COMPLETE THEIR WORK.
22. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION AND/OR INSTALLATION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
23. ALL CONTRACTORS SHALL MAINTAIN THE PREMISES CLEAN AND FREE OF TRASH, DEBRIS, AND SHALL PROTECT ALL ADJACENT WORK FROM DAMAGE, SOILING, PAINT OVER SPRAY, ETC. ALL FIXTURES, EQUIPMENT, GLAZING, FLOORS, ETC. SHALL BE LEFT CLEAN AND READY FOR OCCUPANCY. CARE SHALL BE EXERCISED TO ASSURE THE BUILDING SHALL BE PROTECTED FROM DAMAGE THAT MAY OCCUR BECAUSE OF THIS WORK. CONTRACTORS SHALL PROVIDE PROTECTION FOR EXISTING AREAS AND NEW WORK AREAS. CONTRACTOR SHALL BEAR FINANCIAL RESPONSIBILITY FOR SUCH DAMAGE AND ANY WORK UNDERTAKEN TO CORRECT IT.
24. ALL INTERIOR GLASS SUBJECT TO HUMAN IMPACT SHALL CONFORM TO STANDARDS SET FORTH BY CHAPTER 24 OF THE I.B.C. AND THE SAFETY COMMISSION, EFFECTIVE JULY 6, 1977 INCLUDING ALL AMENDMENTS TO DATE. IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
25. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. FLUSH OR SURFACE BOLTS SHALL BE AUTOMATIC TYPE.
26. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
27. RELOCATION OF EXISTING MILLWORK AND/OR EQUIPMENT: RELOCATION OF ANY ITEMS IN THE WORK IS SUBJECT TO THE CONTRACTOR'S ABILITY TO DO SO WITHOUT PERMANENTLY DAMAGING OR MARRING THE ITEMS. CONTRACTOR SHALL INFORM THE ARCHITECT IMMEDIATELY IF HE IS UNABLE TO RELOCATE ANY ITEM AS PRESCRIBED HEREIN. CONTRACTOR MAY ALSO ELECT TO USE NEW MATERIAL TO MATCH EXISTING IN LIEU OF RELOCATION OF EXISTING FOR HIS OWN CONVENIENCE. ALL ALTERATION OF ANY ELEMENT NECESSARY TO FIT IT FOR LOCATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
28. PERFORMANCE OF WORK: IN PERFORMING THE WORK PRESCRIBED HEREIN AND IN THE ARCHITECTURAL AND MP&E DRAWINGS OF THIS WORK, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ALL EXISTING CONSTRUCTION DISTURBED, RELOCATED, DAMAGED OR ALTERED AND ALL NEW CONSTRUCTION INSTALLED AS REQUIRED TO HIDE ALL EVIDENCE OF WORK AND TO REFINISH THIS CONSTRUCTION TO MATCH EXISTING AS INDICATED, WITH THE FOLLOWING AS MINIMUM REQUIREMENTS:
    WALLS: - FROM FLOOR TO CEILING AND BETWEEN THE NEAREST CORNERS. NEW GYPSUM BOARD CONSTRUCTION MEETING EXISTING CONSTRUCTION IN THE SAME PLANE SHALL BE FLUSH WITH NO VISIBLE JOINT SHOWING.
    CEILING: - THE COMPLETE SURFACE.
    FLOOR: - THE COMPLETE SURFACE UNLESS OTHERWISE SHOWN, OR UNLESS A MATCHING PATCH IN APPLIED FINISHES CAN BE MADE.
    PAINTED CABINETS: - THE ENTIRE PAINTED SURFACE.
    TRANSPARENT FINISH CABINETS: - FINISH NEW SURFACES TO MATCH EXISTING.
    BASE: - BETWEEN THE NEAREST CORNERS.

No.	REVISION/DESCRIPTION	DATE:	BY:
1	corporate and LL review	11.15.24	
*	*	*	

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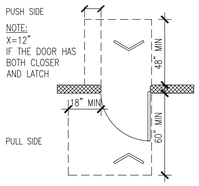
LEGACY FRANCHISE SWTHZ APPROVED CONCEPTS CONSTR.

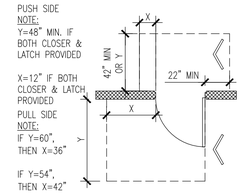
PROJECT: RENOVATION FOR
SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake UT 84106

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: A-1

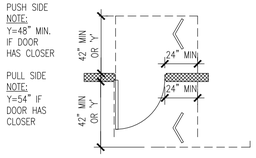
DOORS



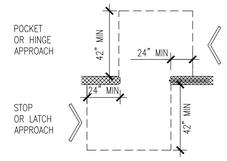
FRONT APPROACH, SWINGING DOORS



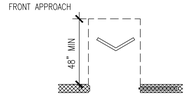
HINGE SIDE APPROACH, SWINGING DOORS



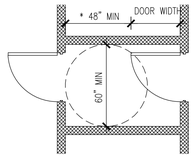
LATCH APPROACH, SWINGING DOORS



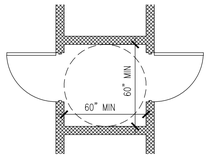
POCKET AND SLIDING DOORS



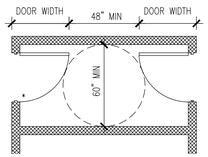
POCKET AND SLIDING DOORS



TWO DOORS IN A SERIES
EXISTING BUILDINGS



BOTH DOORS OPEN OUT EXISTING BUILDINGS



DOOR AT OPPOSITE WALLS
EXISTING BUILDINGS

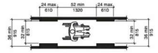


FIGURE 403.5.1(A) CLEAR WIDTH OF AN ACCESSIBLE ROUTE - NEW BUILDINGS - INTERIOR

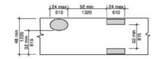
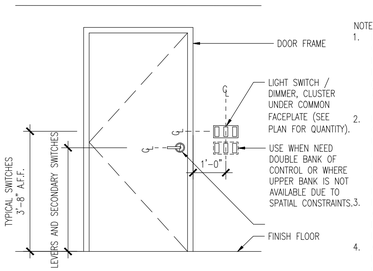


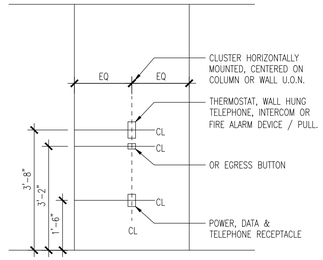
FIGURE 403.5.1(B) CLEAR WIDTH OF AN ACCESSIBLE ROUTE - NEW BUILDINGS - EXTERIOR

CLEAR WIDTH OF AN ACCESSIBLE ROUTE



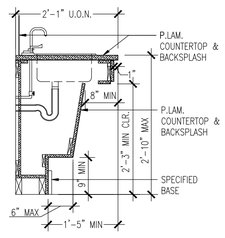
NOTES:
1. NOTIFY ARCHITECT IF ANY OPERABLE PORTION OF A CONTROL, OPERATING MECHANISM OR HARDWARE IS BELOW 34" OR ABOVE 48" AFF. IF A REACH RANGE OBSTRUCTION IS PRESENT (COUNTER, SHELF, ETC.) THE MAX HEIGHT OF ANY OPERABLE PORTION SHALL BE REDUCED TO 44" AFF MAX.
2. NOTIFY ARCHITECT IF ANY OPERABLE PORTION OF A RECEPTACLE INTENDED FOR OCCUPANT USE IS OUTSIDE THE ACCESSIBLE REACH RANGE OF 15" MIN TO 48" MAX. IF A REACH RANGE OBSTRUCTION IS PRESENT (COUNTER, SHELF, ETC.) THE MAX HEIGHT SHALL BE REDUCED TO 44" AFF MAX. IF EXISTING DEVICES ARE PRESENT, NOTIFY ARCHITECT OF EXISTING HEIGHTS. NEW DEVICE HEIGHTS SHOULD GENERALLY BE MATCHED TO EXISTING. ARCHITECT TO CONFIRM.
3. .3.
4. ALL LOCATIONS SHALL BE COORDINATED WITH FINISH WALL PANEL JOINTS BEFORE SETTING IN GYPSUM BOARD/METAL STUD PARTITION.

TYPICAL LOCATION FOR LIGHT SWITCHES, DIMMERS

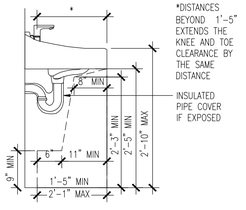


TYPICAL LOCATION FOR WALL HUNG DEVICES

RESTROOMS/ PLUMBING



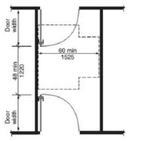
ACCESSIBLE SINK DETAIL



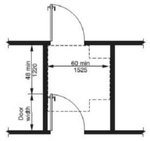
*DISTANCES BEYOND 1'-5" EXTENDS THE KNEE AND TOE CLEARANCE BY THE SAME DISTANCE

INSULATED PIPE COVER IF EXPOSED

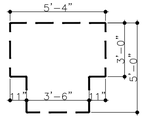
ACCESSIBLE LAVATORY DETAIL



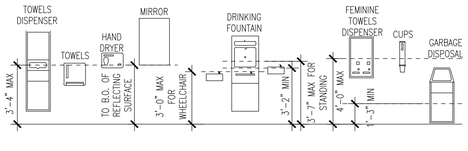
TWO DOORS OR GATES IN A SERIES - NEW BUILDINGS



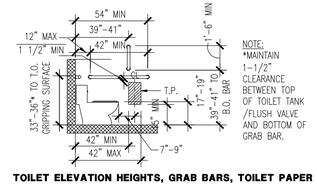
TWO DOORS OR GATES IN A SERIES - NEW BUILDINGS



"T" ADA TURN AROUND

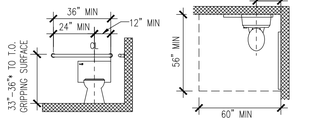


ACCESSORY MOUNTING HEIGHTS (TO OPERABLE PARTS)



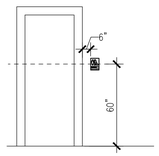
NOTE:
*MAINTAIN 1-1/2" CLEARANCE BETWEEN TOP OF TOILET TANK /FLUSH VALVE AND BOTTOM OF GRAB BAR.

TOILET ELEVATION HEIGHTS, GRAB BARS, TOILET PAPER



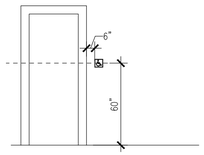
SIGNAGE

GC TO ORDER OTF STANDARD ORANGE ADA SIGNAGE FROM REQUIRED VENDOR



MOUNTING RESTROOM SYMBOLS

ADA LAVATORY SIGNAGE



MOUNTING. INT'L SYMBOL OF SCCESSIBILITY

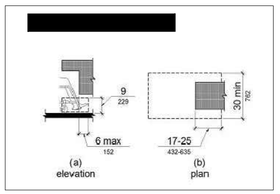
NOTE:
PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL PLACED DIRECTLY BELOW THE PICTOGRAM.

THE BORDER DIMENSION SHALL BE 6" MINIMUM IN HEIGHT.

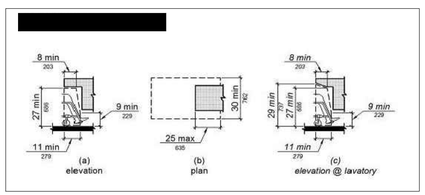
CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND; EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

INTERNATIONAL SYMBOL OF ACCESSIBILITY

[redacted]



[redacted]



703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

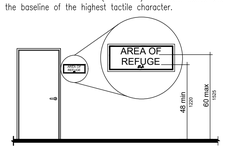


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

Figure 703.6.1 Pictogram Field

dark-on-light.

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

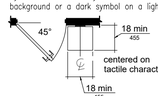


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

ACCESSIBILITY NOTES

1. IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS OR SPECIAL ACCESS LIFTS.
2. FLOOR SURFACES SHALL BE SLIP-RESISTANT.
3. EVERY CORRIDOR AND AISLE SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NOT LESS THAN 44" IN WIDTH.
4. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. BEVEL OTHERS WITH A SLOPE NO GREATER THAN 1:2
5. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. MOUNT DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE FLOOR FINISH.
6. MAXIMUM PULL OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. CORRESPONDING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED NOT TO EXCEED 15 POUNDS.
7. THE BOTTOM 10" OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. PROVIDE A 10" HIGH SMOOTH PANEL ON THE PUSH SIDE OF NARROW FRAME DOORS.
8. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS THAN 32".
9. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
10. IDENTIFY ACCESSIBLE ENTRANCES WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.
11. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 44" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.
12. FLOORS OR LANDINGS SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
13. TO ALERT THE VISUALLY IMPAIRED, MARK THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR WITH A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE, PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR.
14. CENTER ELECTRICAL RECEPTACLE OUTLETS NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORM. ELECTRICAL OUTLETS, SWITCHES, THERMOSTATS, AND MANUAL ALARMS SHALL BE NO LOWER THAN 15" AFF TO THE BOTTOM, NOR HIGHER THAN 48" AFF TO THE TOP OF THE OUTLET BOX.
15. SANITARY FACILITIES LOCATED ON AN ACCESSIBLE FLOOR OF A BUILDING SHALL BE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED.
16. ENTRY TO SANITARY FACILITIES:
    - A. 44" CLEAR AISLES OR CORRIDORS WHERE OCCUPANT LOAD IS 10 OR MORE.
    - B. DOORWAYS TO HAVE A 32" CLEAR OPENING.
    - C. ON APPROACH SIDE, PROVIDE A 60" CLEAR LEVEL SPACE WHEN DOOR SWINGS TOWARD APPROACH AND 44" SPACE WHEN DOOR SWINGS AWAY FROM APPROACH.
17. TOILET ROOM ACCESSORIES:
    - A. MOUNT BOTTOM EDGE OF MIRRORS NO HIGHER THAN 40" FROM THE FLOOR.
    - B. MOUNT TOILET TISSUE DISPENSERS BETWEEN 7"-9" FROM FRONT EDGE OF THE TOILET SEAT.
    - C. MOUNT DISPENSING AND DISPOSAL FIXTURES (TOWEL, SANITARY NAPKINS, WASTE, COIN SLOTS, ETC.) WITH OPERATING PARTS NO HIGHER THAN 40" FROM THE FLOOR.
18. SINGLE ACCOMMODATION TOILET FACILITY:
    - A. WATER CLOSET TO HAVE A 28" CLEARANCE FROM A FIXTURE AND 32" FROM A WALL. WATER CLOSET TO HAVE A 60" WIDE X 59" DEEP CLEAR FLOOR AREA. NO OTHER FIXTURES ALLOWED WITHIN THIS CLEAR AREA.
    - B. MINIMUM CLEAR SPACE IN FRONT OF WATER CLOSET TO BE 48". MINIMUM CLEAR SPACE IN FRONT OF WATER CLOSET TO BE 60" WIDE X 48" DEEP.
    - C. A SPACE 36" x 48" IS PERMITTED IN FRONT OF EXISTING WATER CLOSET ACCESSIBLE TO THE HANDICAPPED.
19. THE HEIGHT OF THE WATER CLOSET (TOP OF SEAT) SHALL BE BETWEEN 17" AND 19".
20. MOUNT FLUSH VALVE CONTROL NO MORE THAN 44" ABOVE THE FLOOR, ON THE SIDE OF THE TOILET WITH THE GREATEST SEPARATION FROM ADJACENT WALL OR OTHER SURFACE.
21. PROVIDE GRAB BARS ON EACH SIDE, OR ONE SIDE AND BACK OF WATER CLOSET:
    - A. GRAB BARS TO BE 33"-36" TO THE TOP OF THE GRIPPING SURFACE AND PARALLEL TO THE FLOOR.
    - B. SIDE BARS TO BE 42" LONG AND PROJECT 24" IN FRONT OF WATER CLOSET STOOL. GRAB BAR AT BACK TO BE 36" LONG.
    - C. DIAMETER OF GRAB BARS TO BE 1-1/4" TO 1-1/2".
    - D. PROVIDE 1-1/2" CLEARANCE BETWEEN GRAB BARS AND WALL.
    - E. GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORT BACKING, ETC.) SHALL SUPPORT A 250 POUND LOAD.
    - F. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
    - G. GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS.
    - H. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".
22. PROVIDE A CLEAR FLOOR SPACE 30" X 48" IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH.
23. MOUNT LAVATORIES WITH A MINIMUM CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON. PROVIDE KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30" IN WIDTH WITH 8" MINIMUM WIDTH, AND SHALL BE A MINIMUM OF 9" HIGH FROM THE FLOOR A MINIMUM OF 17" DEEP FROM THE FRONT OF THE LAVATORY. MAX HT TO LIP OF THE LAVATORY SHALL BE 34" AFF.
24. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
25. INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES.
26. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

No.	DESCRIPTION	DATE:	BY:
	corporate and LL review	11.15.24	

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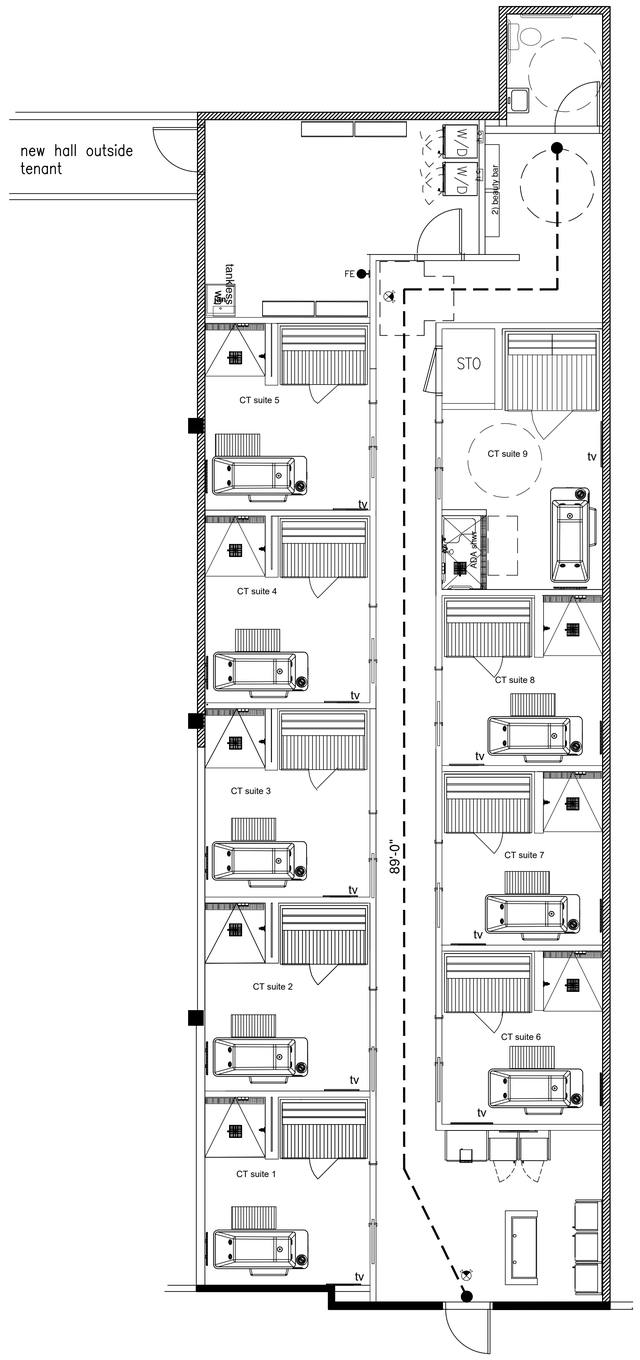
Facsimile (201) 438-1560

SWTHZ APPROVED

SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake UT 84106

PROJECT: RENOVATION FOR

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: A-1.2



Exit Plan

RESPONSIBILITY SCHEDULE

ITEMS	STATUS: EXISTING	STATUS: N/A	G.C.: FURNISHED	G.C.: INSTALLED	TENANT/OTF: FURNISHED	TENANT/OTF: INSTALLED	L.L.: FURNISHED	L.L.: INSTALLED	REMARKS
PRE-CONSTRUCTION									
BUILDING PERMIT / FEES / TAXES			■	■					
CERTIFICATES OF INSURANCE			■	■					
TEMPORARY UTILITIES			■	■					
BARRICADE / COVERING OF WINDOWS			■	■					
DEMOLITION			■	■					
HAZ-MAT ABATEMENT		■							
FLOOR CONSTRUCTION									
CONCRETE SLAB	■		■	■					PATCH, CLEAN AND PREP FOR FOLISHING
TRENCH / BACKFILL / INFILL/DOWELING			■	■					
EXPANSION / JOINT CONTROL			■	■					IF REQUIRED
DEMISING PARTITIONS									
MASONRY		■							GC TO INSTALL GYP. GIB INSULATION OVER EXISTING CMU
METAL STUDS							■	■	
INSULATION							■	■	
GYPSUM BOARD							■	■	
PATCHING & REPAIRING		■							
TAPING AND SPACKLING (INCL. SANDING)							■	■	
SERVICE DOOR(S) AND HARDWARE		■							G.C. TO CHANGE OUT CORE / RE-KEY.
INTERIOR PARTITIONS									
METAL STUDS / GYPSUM BOARD			■	■					
SOUND INSULATION			■	■					
DOORS / FRAMES / HARDWARE			■	■					
F.R. BLOCKING			■	■					SOLID F.R. WOOD BLOCKING REQUIRED. USE OF MOLLIES IS NOT PERMITTED.
TAPING AND SPACKLING (INCL. SANDING)			■	■					PREP WALL AS REQUIRED FOR SCHEDULED FINISH.
CEILINGS									
GYPSUM BOARD			■	■					
ACOUSTICAL CEILING TILE AND GRID			■	■					
ACCESS PANELS / DOORS			■	■					
INSULATION			■	■					
SOUND INSULATION & ISOLATORS		■							
PAINTING			■	■					
STOREFRONT									
SYSTEM FRAMING	■								
GLAZING	■								
DOOR(S) AND HARDWARE	■								
KNEE WALL		■							
SIGNAGE									
STOREFRONT SIGN					■	■			
PYLON SIGN					■	■			
BLADE SIGN					■	■			
INTERIOR SIGNAGE			■	■					(ADA SIGNAGE, SMALL WALL PLAQUES)
IMAGE WALL VINYLS					■	■			
WINDOW DECALS AND FILM					■	■			
FLOOR FINISHES									
PORCELAIN TILE			■	■					REQUIRED SUPPLIER. REFER TO SHEET A-4.
VINYL / VCT		■							REQUIRED SUPPLIER. REFER TO SHEET A-4.
CONCRETE FLOORING			■	■					REQUIRED SUPPLIER. REFER TO SHEET A-4.
WALL FINISHES									
PAINT			■	■					REQUIRED SUPPLIER. REFER TO SHEET A-4.
RUBBER WAINSCOT			■	■					REQUIRED SUPPLIER. REFER TO SHEET A-4.
MIRRORS			■	■					
PORCELAIN TILE			■	■					REQUIRED SUPPLIER. REFER TO SHEET A-4.
RUBBER BASE			■	■					REQUIRED SUPPLIER. REFER TO SHEET A-4.
CORNER GUARDS			■	■					
EQUIPMENT / FURNISHINGS									
EQUIPMENT					■	■			
MIRRORS			■	■					VENDOR: REGENCY LIGHTING
RECEPTION DESK/BEAUTY BAR			■	■					REQUIRED SUPPLIER. 3C
RETAIL STAND & BENCHES			■	■					REQUIRED SUPPLIER. 3C
BENCHES			■	■					REQUIRED SUPPLIER. 3C
CT ROOM NUMBERS			■	■					
LOOSE FURNITURE (MGR. DESK, BENCHES, BEV. COOLER, AED)				■	■				
SHOWER & TOILET ROOM ACCESSORIES			■	■					REQUIRED SUPPLIER. REFER TO SHEET D-2.
MECHANICAL									
EQUIPMENT (RTU, ETC.)							■	■	
FRAMING / SUPPORTS / CURBS							■	■	GC TO VERIFY ON SITE
CONTROLS / CONNECTIONS							■	■	
ROOF PENETRATIONS / PATCHING							■	■	
DUCTWORK, INCLUDING SMOKE DETECTORS			■	■					
DAMPERS / DIFFUSERS / GRILLES			■	■					
FIRE DAMPERS			■	■					
EXHAUST FANS			■	■					
TESTING AND BALANCING			■	■					
ELECTRICAL									
SERVICE TO PREMISES-CONDUIT,PULLSTRING							■		
SERVICE TO PREMISES-SERVICE WIRE							■		GC TO VERIFY LL PROVIDED PANELS AND WIRING.
METER BASE							■		
METER							■	■	
ELECTRICAL EQUIPMENT (PANELS, TRANSFORMER)							■		GC TO VERIFY LL PROVIDED PANELS AND WIRING.
TIME CLOCK			■	■					
DISTRIBUTION WIRING			■	■					
LIGHT FIXTURES			■	■					REQUIRED SUPPLIER. REFER TO SHEET A-2.
TELEPHONE/DATA TO PREMISE-CONDUIT,PULLSTRING							■		
TELEPHONE/DATA IN PREMISE-WIRE					■	■			
LOW VOLTAGE WIRING					■	■			
FINAL SIGN CONNECTION			■	■					
SECURITY SYSTEMS					■	■			
PLUMBING									
DOMESTIC SUPPLY TO PREMISES							■		
SANITARY WASTE TO PREMISES							■		
VENT PIPES TO PREMISES							■		
WATER METER							■		
SUPPLY, VENT, WASTE PIPING			■	■			■	■	SUPPLY TO SPACE BY LL. DISTRIBUTION BY TENANT.
FIXTURES AND ACCESSORIES (INCL. MOP SINK)			■	■					REQUIRED SUPPLIER. REFER TO PLUMBING SHEETS AND D-2.
WATER COOLER / FILLER			■	■					REQUIRED SUPPLIER. REFER TO PLUMBING SHEETS AND D-2
TANKLESS WATER HEATER			■	■					
GAS PIPING			■	■			■	■	SUPPLY TO SPACE BY LL. DISTRIBUTION BY TENANT.
FLOOR DRAINS			■	■					
FIRE PROTECTION									
SPRINKLER MAIN TO PREMISES	■								
SPRINKLER BRANCH LINES/DROPS/HEADS			■	■					
MODIFICATION OF HEAD LOCATIONS		■							
FIRE ALARM SYSTEM / WIRING		■							
SHOP DRAWINGS FOR PERMIT			■	■					
PORTABLE FIRE EXTINGUISHERS			■	■					
POST CONSTRUCTION									
FINAL CLEANUP READY FOR OCCUPANCY			■	■					
CERTIFICATE OF OCCUPANCY			■	■					

NOTES:

- IF THERE IS A CONFLICT OR DISCREPANCY BETWEEN THIS SCHEDULE AND DRAWINGS, G.C. TO CONFIRM SCOPE OF WORK WITH CLIENT PRIOR TO BID.

- PLEASE REFER TO SHEET DIP FOR REQUIRED SWTHZ VENDORS. NO SUBSTITUTIONS ALLOWED.

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2	* *	* *	* *

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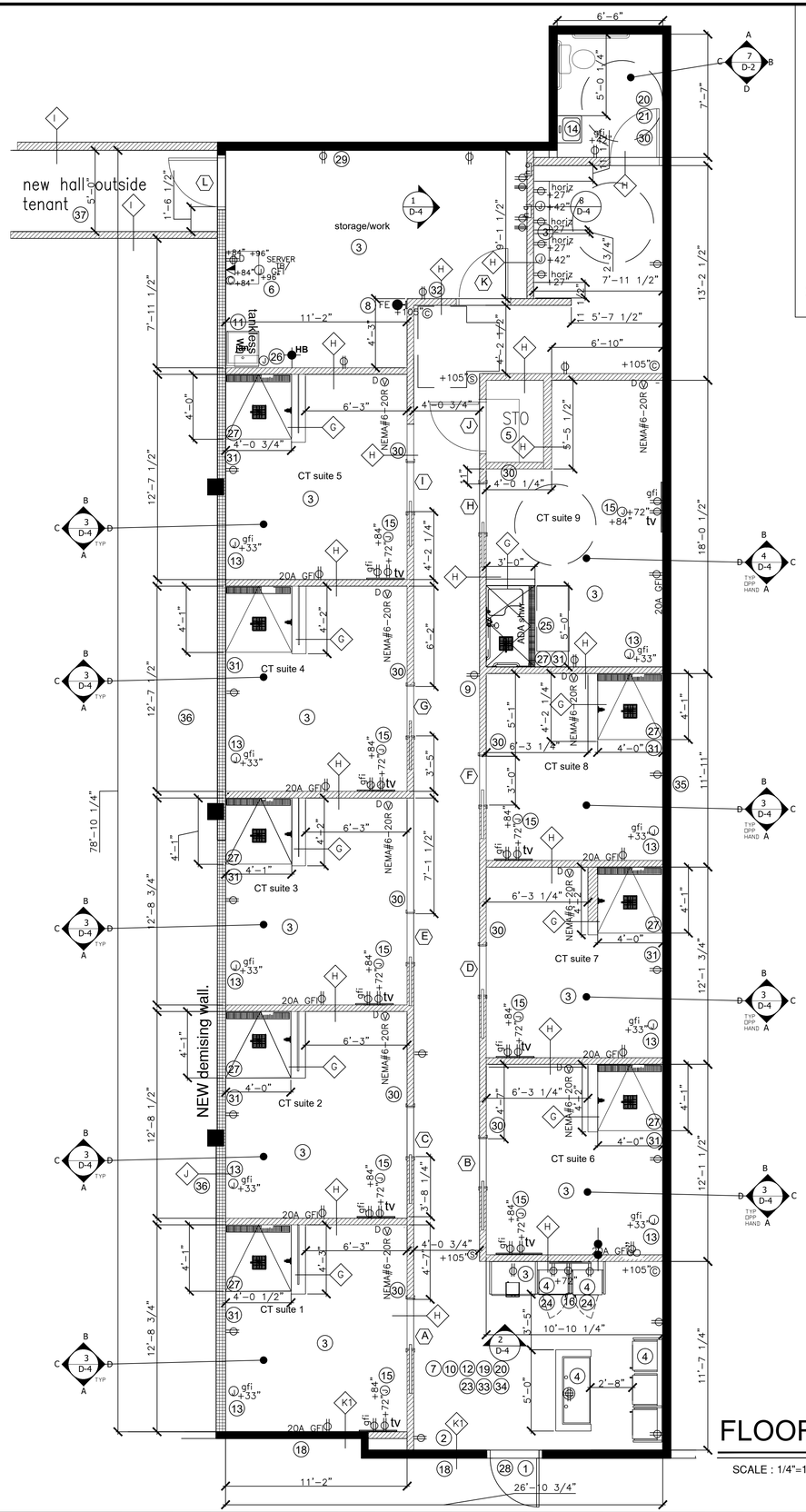
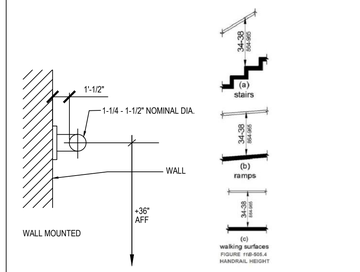
PROJECT: RENOVATION FOR

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: A-1.3



FLOOR PLAN

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



7 TYPICAL GRAB BAR

SCALE : NTS

LEGEND:

- DOOR
- DOOR TYPE – REFER TO SHEET D-3
- WINDOW TYPE – REFER TO SHEET D-3
- STEEL COLUMN – SEE STRUCTURAL DWGS – EXISTING
- EXIT SIGN – REFER TO ELECTRICAL DWGS
- FE SEMI-RECESSED CAB AND FIRE EXTINGUISHER – TYPE 2A10BC ONE FIRE EXTINGUISHER PER 75' OF TRAVEL DISTANCE FROM ALL POINTS OF FLOOR AREA
- WALL TYPE – REFER TO SHEET D-1. COORDINATE WALL TYPE CONSTRUCTION, SEE SHEET D-1 FOR WALL TYPE ASSEMBLIES. REFER TO DETAIL D-3 FOR ADDITIONAL INFORMATION REGARDING METAL STUD FRAMING REQUIREMENTS.
- DETAIL NUMBER / SHEET NUMBER
- ELEVATION NUMBER / SHEET NUMBER

WALL GRAPHICS DEFINITIONS

- STANDARD PARTITION NON-INSULATED. REFER TO SHEET D3 FOR SIZE AND GAUGE INFO
- EXISTING DEMISING PARTITION — EXISTING STORE FRONT
- INSULATED PARTITION W/SOUND BATTS
- SOUND WALL.
- STANDARD PARTITION W/ STOREFRONT, EXISTING AT EXTERIOR WALLS
- BUTT JOINT TEMPERED GLAZING IN GLASS CHANNELS PER SPEC. TOP AND BOTTOM.
- ALL BUILDING SHELL EXTERIOR WALL/WINDOWS ARE EXISTING
- ALIGN: ACCURATELY ALIGN FACE OF NEW WALL CONSTRUCTION TO FACE OF EXISTING WALL OR TO ALIGN WALLS IN THE SAME PLANE

FLOOR PLAN GENERAL NOTES:

A. SCOPE OF THIS PROJECT IS A NEW TENANT IMPROVEMENT IN A EXISTING BUILDING "SHELL" SUITE. WORKS INCLUDES NEW NON-BEARING PARTITIONS, NEW CEILING, NEW CASE WORK AND FINISHES AND MPE
B. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED AT JOB SITE BY THE GENERAL CONTRACTOR. DESIGNER MUST BE NOTIFIED OF
C. ANY DISCREPANCIES BEFORE COMMENCEMENT OF WORK.
D. ALL PUBLIC USE OF EQUIPMENT TO BE HANDICAP COMPLIANT PER ADA AND ANSI 117.1
E. GENERAL CONTRACTOR TO REVIEW LOCATION OF THERMOSTATS, FIRE HORNS, ETC. PER CITY PRIOR TO INSTALL.
F. PROVIDE SHOP DRAWINGS FOR ALL MILLWORK.
G. PROVIDE BRACING AND FIRE RETARDANT BLOCKING FOR ALL MILLWORK AS REQUIRED.
H. ALL SIGNS REQUIRE SEPARATE PERMITS AND APPROVALS. AND SHALL COMPLY TO ALL ADA REQUIREMENTS
I. ALL DOOR FRAMES TO BE PAINTED HOLLOW METAL UNLESS NOTED OTHERWISE. SEE DOOR SCHEDULE AND HARDWARE LEGEND, SHEET D-3
J. DOORS TO BE HELD 2" FROM EDGE OF JAMB TO FACE OF ADJACENT INTERSECTING WALL
K. PROVIDE WINDOW COVERING TYP. AT PERIMETER OF BUILDING. COVERINGS TO BE OWNER FURNISHED, CONTRACTOR INSTALLED. LANDLORD TO REVIEW
L. FURR OUT BUILDING CORE WALLS AND COLUMNS TO ACCOMMODATE POWER AND PHONE WHERE NEEDED – COORDINATE WITH OWNER
M. SEE DETAIL SHEET D-2 FOR TYP. MTG. HTS.
N. REFER TO ELECTRICAL PLANS FOR LIGHT FIXTURE SCHEDULE. SEE A-3 FOR MTG. HEIGHTS
O. F.E. CAB LOCATION TO BE DETERMINED WITH FINAL LAYOUT OF OWNERS FURN. AND SHALL BE FLUSH. EXT. SHALL NOT TO EXCEED 75' APART AND SHALL BE 2A10BC
P. NOT USED
Q. PROVIDE WATERPROOF GYP BD. AT ALL TOILET ROOMS INSULATE ALL EXPOSED DRAIN PIPES PER CITY AND ADA
R. REFER TO D1 FOR WALL DETAILS
S. PROVIDE BACKING AT ALL LAVS FOR MIRROR.
T. ALL ANGLES ARE 45 DEGREES U.N.O.
U. PROVIDE CLEAN AND FINISHED TRIM AT WALL WHERE GRID MEETS WALL.
V. PROVIDE 6" HIGH CONTRAST SUITE #'S AT ALL TENANT ENTRY/EXIT DOORS. VERIFY BUILDING STANDARD WITH DEVELOPER TO MATCH ENTIRE PROJECT – BY LANDLORD
W. ALL WALLS TO BE FINISHED TO A LEVEL 4 FINISH.

FLOOR PLAN KEYNOTES:

1. STFT DOOR by LANDLORD AND SHALL COMPLY W/1008.1.10.1,PROVIDE EXIT SIGN AT EXTERIOR DOOR.
2. LANDLORD PROVIDED STOREFRONT. PROVIDE BLACK OPAQUE FILM AT WINDOWS – ABOVE CLG IF REQUIRED. LEAVE TOP OPEN FOR HEAT ESCAPE
3. ALL SUITE EQUIPMENT TO BE PROVIDED BY OWNER AND GC INSTALLED. REFER TO A-2.1
4. ENTRY MILLWORK BY OWNER. GC INSTALLED. DESK SHALL HAVE PULL OUT SHELF FOR ADA TRANSACTION.
5. 6 ADJUSTABLE SHELVES ON HEAVY DUTY BRACKETS AND STANDARDS. SHELVES TO BE WHITE MELAMINE.
6. PROVIDE PLYWD FOR T.B. BACKBOARD PER OWNER'S IT CONSULTANT
7. REFER TO D-2 FOR MTG HTS/SWITCH LOCATIONS TYP.
8. 2A10BC SEMI-RECESSED FIRE EXTINGUISHER MOUNTED IN WALL CAB
9. RECESSED HOSE BIB. REFER TO PLUMBING DRAWINGS.
10. EXISTING SLAB. GC TO PATCH AND REPAIR FLOOR. GC TO VERIFY ANY TOPPING SLAB REQ'D. FOR FLUSH CONDITIONS. PROVIDE NOMAFLEX JOINT FILLER AT EDGES.
11. EXISTING SERVICE SINK. PROVIDE FRP WATERPROOF SURFACE BEHIND AND TO SIDES OF SINK. CLEAN AND REPAIR.
12. PROVIDE METAL OR FRT BACKING IN WALL AT ALL UPPER CABINETS, GRAB BARS, SINKS, D.F.,SHELVES, MIRRORS.
13. PROVIDE BACKING IN WALL FOR MIRRORS OWNERS TO CONFIRM FINAL LOCATIONS
14. INSULATE DRAIN PIPE AND HOT WATER SUPPLY AT SINK
15. PROVIDE 48X48" BACKING AT TV/MONITORS. VERIFY W/OWNER'S AV VENDOR. BACKING TO BE FIRE TREATED/RESISTANT
16. OWNER PROVIDED SIGNAGE IN WALL. PROVIDE FIRE TREATED BACKING IN WALL.
17. EXISTING DEMISING WALL. WALL TO BE FIRE AND ACOUSTIC SEALED AT ALL PENETRATIONS.
18. EXTERIOR SHELL WALL OR STFT. PATCH, REPAIR OR FURR OUT. ALL WALLS TO BE FURRED OR LAMINATED
19. ALL NEW WALLS ARE 3-5/8" METAL STUD WALLS UNLESS NOTED OTHERWISE AT WALL DESIGNATION
20. RESTROOM AND SHOWER ROOM SHALL BE ALL 5/8" WATER RESISTANT GYPSUM BOARD. PROVIDE FLR DRAINS
21. SEE SHEET D-2/12 FOR RESTROOM INFORMATION.
22. CONTRACTOR TO COORDINATE SPEAKER LOCATIONS WITH OWNER
23. GC TO VERIFY LOW VOLTAGE INTERNET ACCESS POINT LOCATIONS
24. BEVERAGE AND COOLER UNIT BY OWNER. GC INSTALLED.
25. SINGLE USER SHOWER– HDCP COMPLIANT W/ FOLDING SEAT MOUNTED AT 17–19" A.F.F. AND BE FULL DEPTH SHOWERS SHALL COMPLY W/ ANSI A117.1 608.2.3.1. PROVIDE GRAB BAR CONTINUOUS AT CONTROL AND 18" AT SIDE AND SHALL BE MOUNTED AT 33–36" A.F.F.. CURB SHALL NOT EXCEED 1/2" CONTROLS SHALL BE 38– 48" A.F.F. FAUCETS AND CONTROLS SHALL BE OPPOSITE SIDE OF SEAT. PROVIDE A SHOWER SPRAY UNIT THAT HAS A HOSE THAT IS 60" LONG MIN. THE SPRAYER THAT CAN BE USED AS BOTH FIXED AND HAND HELD. TILE FULL WALL AT EACH SIDE. PROVIDE SHOWER ACCESSORIES PER OWNER. ENCLOSURES SHALL NOT OBSTRUCT CONTROLS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS. PROVIDE FLUSH TRENCH DRAIN AT FACE OF SHOWER PROVIDE CONTROLS THAT SHALL DELIVER WATER THAT IS THERMAL SHOCK PROTECTED TO 120 DEGREES F. MAX.
26. TANKLESS WATER HEATER. SEE PLUMBING PLANS.
27. BACKING IN WALL AT BOTH SIDE OF SHOWER ENTRY @ +76"
28. EXISTING DOOR. REPAIR AS REQUIRED.
29. ELECTRICAL PANELS REFER TO ELECTRICAL DRAWINGS
30. COAT HOOK ON SIDE OF DOOR AT +48" OR BACK OF SWING DOORS –CENTERED ON DOOR
31. DOUBLE CLOTHING HOOKS @+48
32. DEBRILLATOR LOCATION. MTD @ +48"
33. PROVIDE CEMENTIOUS BACKER BOARD AT WET LOCATIONS. WATERPROOF SEAL ALL OPENINGS PROVIDE WATERPROOF MEMBRANE AT SLAB AND CONTINUE A MINIMUM OF 4" UP WALL.
34. ALL AUDIO/VISUAL SHALL BE THROUGH OWNERS VENDOR.
35. EXISTING DEMISING WALL. GC TO REPAIR, PATCH AND RETURN TO LIKE NEW CONDITION
36. NEW DEMISING WALL. ALIGN WITH EXISTING. REPAIR SURROUNDING SURFACES.
37. NEW HALLWAY TO EXTERIOR. COORDINATE WITH LL. OPEN CEILINGS, CONC FLOOR, WHITE PAINTED GYP.

NOTE TO GC:
ALL COMPUTERS TO BE ON DEDICATED CIRCUITS
THERE SHALL BE SUPPLY AIR IN RESTROOMS AND SHOWER ROOMS
OWNER TO PROVIDE MILLWORK, DESK, EQUIPMENT, INTERIOR SIGNAGE – GC TO INSTALL
OWNER TO COORDINATE A/V AND WIRING FOR AV, LOW VOLTAGE.

ALL DIMENSIONS ARE FINISHED DIMENSIONS.

ALL SHELL WALLS TO BE FURRED

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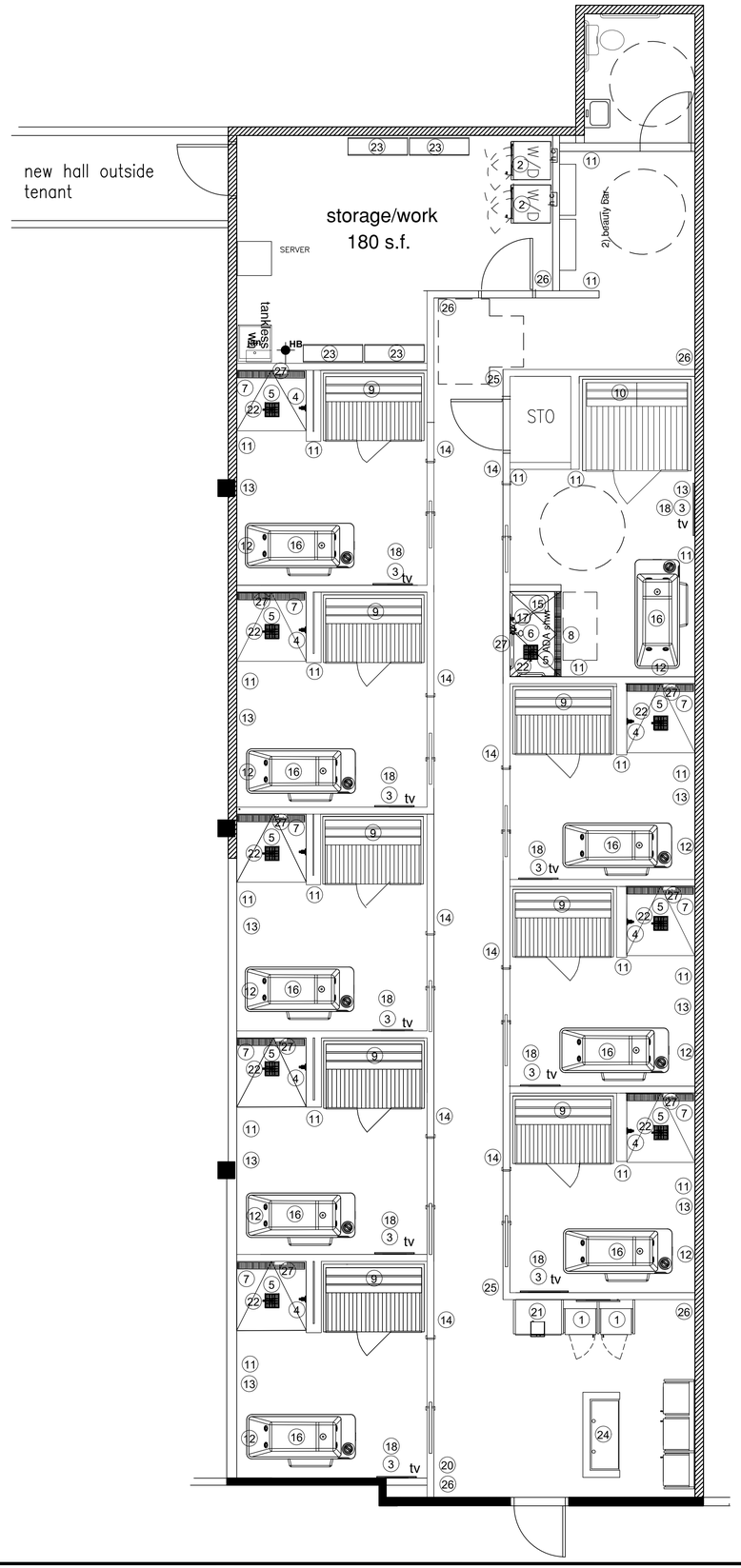
PROJECT: RENOVATION FOR

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: A-2



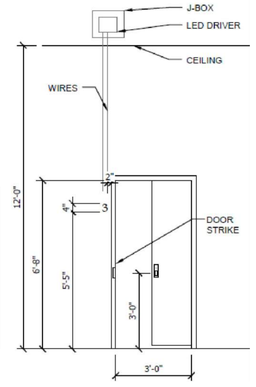
EQUIPMENT SCHEDULE

GC TO VERIFY AND COORDINATE EQUIPMENT PROVIDED BY CORPORATE DESIGN TEAM

ITEM	ITEM	MANUFACTURER/ SUPPLIER/VENDOR	MODEL #	COMMENTS
1	REFRIGERATOR (UNDERCOUNTER)	NEW AIR	AB-1200-BLACK	PROVIDED BY OWNER; GC INSTALLED
2	STACKED WASHER-DRYER	LAUNDRYLUX	ENCORE STACKED W/D	PROVIDED BY OWNER AND INSTALLED. GC TO COORDINATE
3	SUITE CLOCKS REFER TO CURRENT DIP PACKAGE	AMAZON		PROVIDED BY OWNER; 3D LED WALL CLOCK 15" WITH REMOTE AND TIMER; CENTERED ABOVE SUITE DOOR @ 9" ABOVE DOOR; GC INSTALLED
4	SHOWER CONTROL	KOHLER	K-TS14423-4-BL; MATTE BLACK	CENTERED ON SHOWER SIDE WALL; 3'-8" A.F.F.; GC PROVIDED & INSTALLED
5	SHOWER HEAD; ARM/FLANGE	KOHLER	K-26148-BL/BRUSHD BRASS; K-26148MB ARM AND FLANGE; K-26320-BL/BRUSHD BRASS-K26320-2MB	CENTERED IN SHOWER CEILING
6	ADA HAND-HELD UNIT	KOHLER	AWAKEN G90 K-98361-G-BL MATTE BLACK	MOUNTED SO HIGHER HANDHELD SHOWER HEAD EDGE IS @ 48" A.F.F.
7	TRENCH DRAIN FULL WIDTH	SIGNATURE HARDWARE	EFFENDI 24" LINEAR MATTE BLACK (443336) (POL BRASS 443337)	GC PROVIDED & INSTALLED
8	TRENCH DRAIN FULL WIDTH - ADA	SIGNATURE HARDWARE	EFFENDI 48" LINEAR MATTE BLACK (443348) (POL BRASS 443349)	GC PROVIDED & INSTALLED
9	SAUNA MODEL A	JACUZZI SAUNAS	CLEARLIGHT SANCTUARY SH-3	COORDINATE WITH SWEATHOUZ CORP. PROVIDED BY OWNER AND INSTALLED BY GC
10	SAUNA MODEL ADA FLAT BOTTOM	JACUZZI SAUNAS	CLEARLIGHT SANCTUARY RETREAT ADA	COORDINATE WITH SWEATHOUZ CORP. PROVIDED BY OWNER AND INSTALLED BY GC
11	ROBE HOOK	KES	SUS304; MATTE BLACK/ BRUSHED GOLD	GC PROVIDED & INSTALLED; 2 QTY. @ 60" A.F.F. IN SUITES. 4 QTY @ 48" FOR ACCESSIBLE SUITES
12	24X36" BACKLIT MIRROR	REGENCY LIGHTING		PROVIDED AND INSTALLED BY GC;
13	BENCH	3C		GC PROVIDED AND INSTALLED BLACK FOR WHITE/GRAY TILE. TEAK FOR BLUE TILE
14	SUITE NUMBER SIGN 4" LED BACKLIT	JESCO	43237-2	SEE DETAIL THIS SHEET
15	ACCESSIBLE SHOWER SEAT	SEACHROME	SLR 320225 PTS	PROVIDED AND INSTALLED BY GC; FOLDING, WALL MOUNTED, LEFT/RIGHT HAND. TO BE MOUNTED 17" AFF MAX
16	COLD PLUNGE	PLUNGE	ALL IN COMMERCIAL MAX	PROVIDED BY OWNER, AND PLACED IN SUITE BY GC; LOCATED IN CONTRAST THERAPY SUITES; 4" CLEARANCE AT HEAD AND SEE ELEVATIONS FOR MOUNTING DIMENSIONS; GC PROVIDED
17	ADA SHOWER CONTROL	KOHLER PURIST	K-T14491-4-BL; MATTE BLACK	
18	32" BLUETOOTH TV	SMART TV WITH APPLE PLAY PAIRED WITH SAUNA		PROVIDED BY OWNER, INSTALLED BY VENDOR; GC TO PROVIDE FIRE TREATED OR STRAP BACKING HARDWARE BY OWNER, GC INSTALLE. MOUNT NOT TO PROTRUDE MORE THAN 4" FROM WALL; SWIVEL MOUNTED TO FACE TV TO SAUNA. +5'-8" AFF
19				
20	COAT RACK	AMAZON BASICS		PROVIDED BY OWNER, INSTALLED BY GC.; BLACK FINISH; MOUNTED SO HIGHER EDGE IS @ 48" A.F.F.
21	WATER DISPENSER	BEVI	THE COUNTERTOP	PROVIDED BY OWNER; BLACK IN COLOR. INSTALLED BY VENDOR
22	VITAMIN C INFUSER	DELOS STAY WELL WATER INFUSER		PROVIDED BY OWNER; GC INSTALLED AT EACH SHOWER HEAD
23	BAKERS RACK	GLOBAL INDUSTRIES	WBB1137122	PROVIDED BY OWNER; GC INSTALLED, COORDINATE WITH CORPORATE DESIGN TEAM
24	RECEPTION DESK	3C	48" DESK	PROVIDED BY OWNER; GC INSTALLED
25	WIRELESS SPEAKERS	SONOS		PROVIDED BY OWNER, INSTALLED BY A/V VENDOR; COORDINATE WITH SWEATHOUZ CORP. & ELEVATIONS FOR PLACEMENT
26	LIABILITY CAMERAS	GOOGLE HOME		COORDINATE WITH SWEATHOUZ CORP. & ELEVATIONS FOR PLACEMENT PROVIDED BY OWNER, INSTALLED BY A/V VENDOR,
27	EGO SOAP DISPENSERS	EGO		CENTER ON SHOWER WALL. PROVIDED BY OWNER, INSTALLED BY GC. CONTACT CORPORATE DESIGN TEAM. MOUNTED TO 40" AFF TO CENTER OF DISPENSER

FIXTURE COLORS WHITE/GREY ROOMS (PT-1) SHALL BE MATTE BLACK

THE 4" MATTE BLACK SUITE NUMBERS WILL MOUNT DIRECTLY TO THE DRYWALL AT 65" A.F.F. ON STRIKE SIDE OF DOOR FRAME AND 2" FROM FRAME.
(NO J-BOX NEEDED IN WALL)
THE 2 WIRES RUN INTO THE WALL AND UP INTO A J-BOX IN THE CEILING WHERE THE LED DRIVER WILL SIT AND CONNECT TO THE SWITCH PANEL IN THE LOBBY.



#14 SUITE NUMBERS AT THE DOOR

Equipment Plan

SCALE : NTS

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SWTHZ APPROVED

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PROJECT: RENOVATION FOR

DRAWN:	
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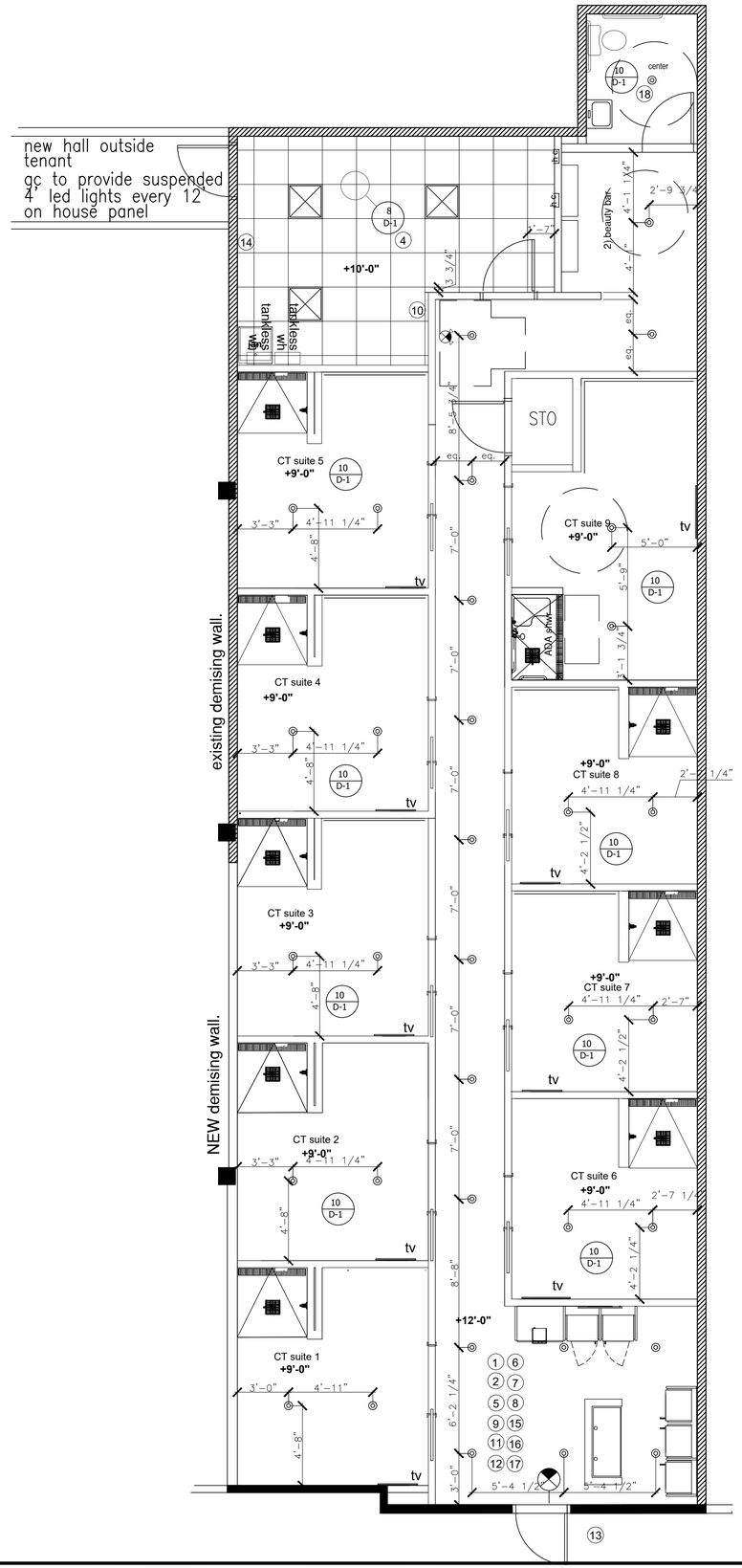

REFLECTED CEILING PLAN

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

SYMBOLS LEGEND:

DOWNLIGHT W/ DESIGNATION SEE ELECTRICAL PLANS FOR SPEC.

2 X 2 LED RECESSED FIXTURE.

EXIT SIGN – SINGLE FACE CLG MTD.

REFLECTED CLG PLAN NOTES:

A. ALL DOWNLIGHTS, EXIT SIGNS, FIRE SPRINKLERS, ETC. SHALL BE LOCATED IN THE CENTER OF A CEILING TILE U.N.O.
B. THE GENERAL CONTRACTOR SHALL PAINT ALL MECH. GRILLS THE COLOR OF THE ADJACENT SURFACE. ALL VISIBLE ITEMS THROUGH THE GRILL SHALL BE PAINTED FLAT BLACK.
C. PROVIDE INSULATION AT INTERIOR STRUCTURE ABOVE, IF NOT EXISTING.
D. THE CONTRACTOR SHALL REPLACE ANY DAMAGED OR STAINED CEILING TILE. REFER TO A4 FOR COLOR AND D–1 FOR MTG. HTS.
E. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. LOCATION ON ARCHITECTURAL PLAN TAKES PRECEDENCE.
F. ALL ACOUSTICAL CEILING TILE HEIGHTS ARE TO BE PER PLAN. THE G.C. SHALL NOTIFY THE DESIGNER OF ALL CLEARANCES. ALL GYP. BD.
G. HEIGHTS ARE TO BE PER PLAN U.N.O. INSTALL PER ASTM C635/C636 AND ICC ESR REPORT 1222
H. ALL GYP. BD. SOFFITS TO BE PAINTED PER PLAN U.N.O.M
I. PROVIDE 12 GA VERTICAL HANG WIRES AT 4'–0" O.C. EACH WAY WITH 4 TIGHT TWISTS PER WIRE WITHIN 1 1/2" AT ALL SUSPENDED CEILINGS.
J. PROVIDE 1) LAYER OF TYPE"X" GYP. BD. AT GYP. BD. CEILINGS AS SHOWN ON PLAN PROVIDE FURRING 1 1/2' CARRYING CHANNELS @ 48" O/C AND 7/8" HAT CHANNEL @ 24" O.C. SADDLE TIED W/ 2 STRANDS OF 18 GA WIRE EA. HAT CHANNEL TO CARRYING CHANNEL.
K. GYP. BD CEILINGS ARE TO BE FRAMED WITH PER 8 AND H/D–1
L. SINGLE HATCH DESIGNATES LAYIN BATT INSULATION.
M. GRID IS CENTERED IN EACH ROOM U.N.O. WALLS TO EXTEND 6" BEYOND.

ELECTRICAL FIXTURES

LIGHT FIXTURES WEIGHING LESS THAN 10 LBS. SHALL HAVE ONE 12 GAGE HANGER WIRE CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE. THIS WIRE MAY BE SLACK.
LIGHT FIXTURES WEIGHING MORE THAN 10 LBS. AND LESS THAN 56 LBS. SHALL HAVE TWO 12 GAGE WIRES ATTACHED AT OPPOSING CORNERS OF THE LIGHT FIXTURE TO THE STRUCTURE ABOVE.THESE WIRES MAY BE SLACK
LIGHT FIXTURES WEIGHING MORE THAN 56 LBS. SHALL BE SUPPORTED BY DIRECTLY FROM THE STRUCTURE ABOVE THESE WIRES MUST BE TAUT.
PENDANT MOUNTED FIXTURES SHALL BE DIRECTLY SUPPORTED FROM THE STRUCTURE ABOVE USING A 9 GAGE WIRE OR AN APPROVED ALTERNATE SUPPORT WITHOUT USING THE CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT
TANDEM FIXTURES MAY UTILIZE COMMON WIRES

MECHANICAL SERVICES

TERMINALS OR SERVICES WEIGHING 20 LBS. BUT NOT MORE THAN 56 LBS. MUST HAVE TWO 12 GAGE WIRES CONNECTING THEM TO THE CEILING SYSTEM HANGERS OR THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK
TERMINALS OR SERVICES WEIGHING MORE THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE. THESE WIRES MUST BE TAUT.

SPRINKLERS

FOR CEILINGS WITHOUT RIGID BRACING, SPRINKLER HEAD PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TO ALLOW FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS. FLEXIBLE HEAD DESIGN THAT CAN ACCOMMODATE 1" FREE MOVEMENT SHALL BE PERMITTED AS AN ALTERNATE

PLAN NOTES:

1. INSULATE UNDERSIDE DECK IF NOT PROVIDED. PROVIDE SCRIM SHEET. PAINT/GRID AS INDICATED ON PLAN.
2. ALL PIPED, DUCTS, AND FIXTURES SHALL BE SUPPORTED WITH HANG RODS. REMOVE UNUSED ITEMS
3. NOT USED
4. NEW GRID AND TILE. REFER TO A4 FOR SPEC. FACTORY FINISHED.
5. NEW GYP. BD CEILING. PAINT PER PLAN. REFER TO A4 FOR SPEC.
6. EC SHALL FURNISH AND INSTALL ALL LIGHT FIXTURES U.N.O
7. E.C. SHALL FURNISH AND INSTALL NEW EXIT SIGNS. EC SHALL COORDINATE THE EXACT LOCATIONS WITH THE CITY AND PROVIDE ADDITIONAL LIGHTS AS REQUIRED
8. THE E.C. SHALL PROVIDE HOT, UNSWITCHED CONDUCTORS TO EACH EXIT SIGN, EMERGENCY BALLAST, OR EMERGENCY BACK–UP BATTERY. IN EMERGENCY LIGHT FIXTURES WITH 2 OR MORE LAMPS, THE EMERGENCY BALLAST SHALL BE CONNECTED TO 2 LAMPS
9. FOR EACH SWITCHED EMERGENCY LIGHT FIXTURE, PROVIDE A SWITCHED CONDUCTOR TO THE NORMAL BALLAST AND AN UNSWITCHED HOT CONDUCTOR TO THE EMERGENCY BALLAST. PROVIDE A TEST SWITCH AS RECOMMENDED. BY THE LIGHT MANUFACTURER OR AS REQUIRED BY THE CITY. IN FIXTURES WITH 2 OR MORE LAMPS, THE EMERGENCY BALLAST SHALL BE CONNECTED TO 2 LAMPS.
10. 1–1/2" SLEEVE THRU WALL W/ PULL WIRES FOR A/V AND LOW VOLTAGE
11. E.C. SHALL COORDINATE ALL FIXTURES AND LAMPS WITH SWTHZ CORPORATE VENDOR PRIOR TO ORDERING. EC SHALL ORDER ALL FIXTURES
12. ALL FIXTURES SHALL BE FURNISHED WITH ALL ACCESSORIES AS REQUIRED TO MAKE THEM FULLY FUNCTIONAL.
13. JBOX FOR BUILDING EXTERIOR SIGNAGE
14. 1–1/4" SLEEVE WITH PULL WIRES TO 6" ABV. GRID
15. FURNISH LIGHT FIXTURES WITH ELECTRONIC BALLASTS FOR ALL APPLICABLE LIGHT FIXTURES, WITH A MAXIMUM WATTAGE NO GREATER THAN THE TOTAL LIGHT FIXTURE WATTAGE VALUES AS INDICATED BY THE SCHEDULE. PROVIDE MAXIMUM WATTAGE LABLELS FOR ALL NON BALLASTED FIXTURES. THE WATTAGE SHALL NOT EXCEED AS INDICATED ON THE SCHEDULE.
16. SUBSTITUTUIONS OF FIXTURES SHALL NOT BE ALLOWED.
17. REFER TO LIGHTING VENDOR LIST IN THE DESIGN INTENT PACKAGE
18. CENTER FIXTURES IN ROOM AS SHOWN ON PLAN

NOTE TO GC:

THERE SHALL BE SUPPLY AIR IN RESTROOMS AND SHOWER ROOMS
EGRESS PATH IS REQ'D TO BE LIT W/ MIN LIGHT LEVEL OF 1 FOOTCANDLE AT FLOOR LEVEL. LIGHT MUST HAVE A 90MIN BATTERY BACKUP. FINAL DETERMINED BY FIRE MARSHAL
FIRE SPRINKLER HEADS TO MATCH CEILING – BLACK CAPS IN GREY CLGS, WHITE IN PAINTED WEIGHT CEILINGS
PLENUM RETURN ARE PROHIBITED.
REFER TO SWTHZ DIP FOR REQUIRED THERMOSTATS, EXHAUST FANS, CONTROLS, WIFI REQUIREMENTS.

note: all lights in suites to be on dimmers
all suite number jbox heights to be verified by number -box may vary
all suite numbers are switched at the front desk.
hose bib to be recessed, see the spec in the DIP
plugs at 105 are sonos speakers
mirrors (jbox in suites and beauty bars) are switched in room or next to beauty bar

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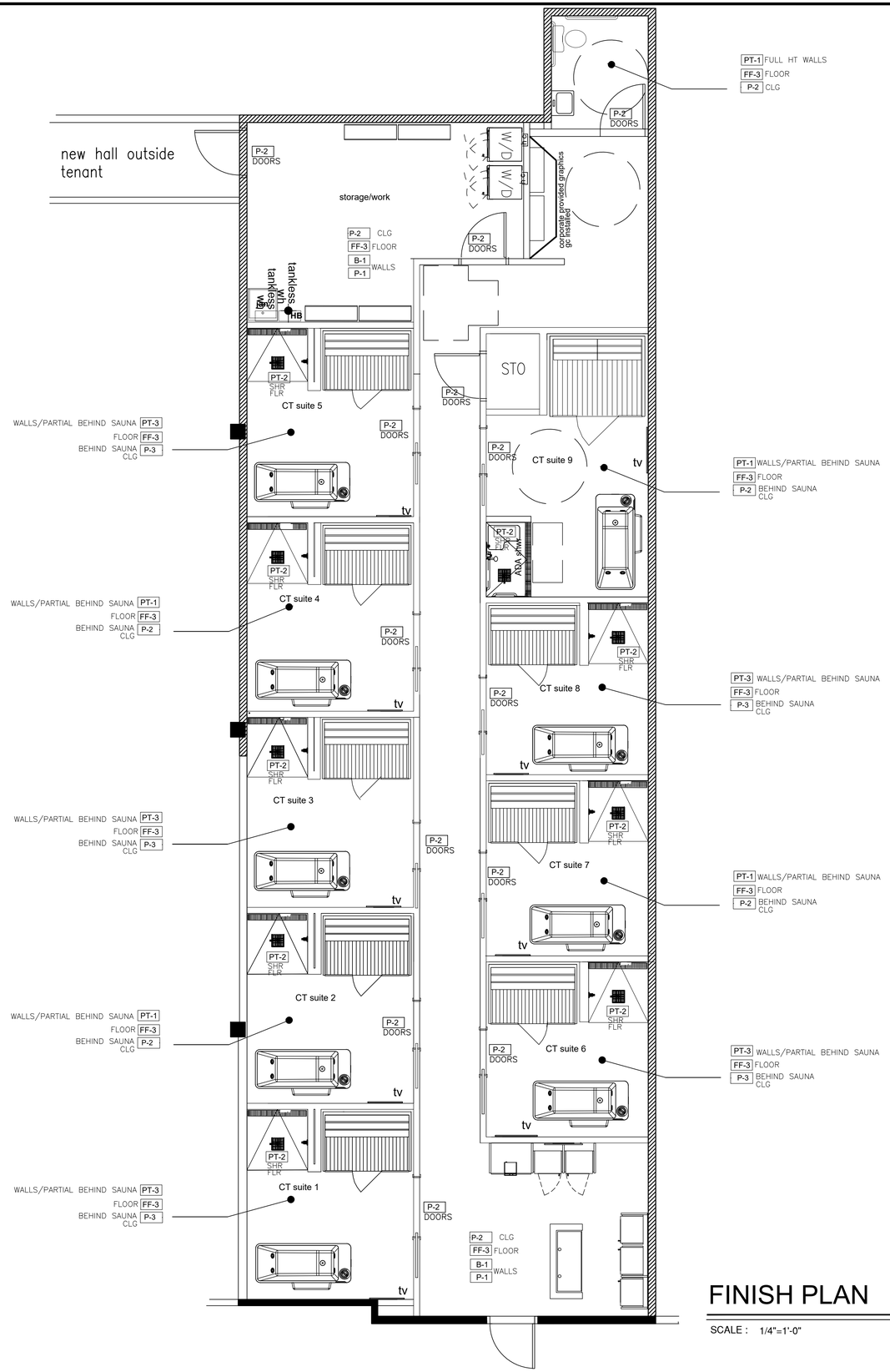
SWTHZ APPROVED

SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake UT 84106

PROJECT RENOVATION FOR

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: A-3



FINISH PLAN

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

FLOOR FINISH:

PT-1:WALL TILE
PORCELAIN WALL TILE - FLOOR AND DECOR. PIANETTO, BERNINO AVORIO, 23.6X47.20 STRAIGHT PATTERN . 1/8" GROUT JOINT
TRIM: SCHLUTER SYSTEM JOLLY EDGE TRIM ⅜"
ALUMINUM SATIN NICKEL

PT-2 SHOWER FLOOR TILE
FLOOR AND DECOR, FESTIVAL, COLOR: WHITE MOSAIC 2" HEX 12X12 MESH,
TRIM: SCHLUTER SYSTEM JOLLY EDGE TRIM ⅜"
ALUMINUM SATIN NICKEL

PT-3: WALL TILE
PORCELAIN WALL TILE - FLOOR AND DECOR. PIANETTO, JUNEAU MIST, 23.6X47.2 STRAIGHT PATTERN . 1/8" GROUT JOINT.
TRIM: SCHLUTER SYSTEM JOLLY EDGE TRIM ⅜"
ALUMINUM SATIN NICKEL

GROUT: MAPEI FLEXCOLOR CQ
PT-1: #38 AVALANCHE. ULTRACOLOR
PT-2: #38 AVALANCHE, KERAPOXY CQ EPOXY
PT-3: #38 AVALANCHE,ULTRACOLOR

ANTISLIP SEALANT: MIRACLE SEALANTS 511 ANTISLIP FORMULA

FF-3 - POLISHED CONCRETE-NOT USED
POLISHED CONCRETE NATURAL SLAB. GRIND WITH 30 GRIT DIAMONDS. PATCH AND FILL HOLES, JOINTS AND SAW CUTS. GRIND A SECOND TIME WITH 70 GRIT DIAMONDS. MAST AND PROTECT ALL AREAS. THOROUGHLY CLEAN ALL AREAS. SUPPLY SAMPLES OF STAINED CONC FOR OWNER TO CHOOSE (DARK GREY) STAIN CONC, WITH CHOSEN COLOR, APPLY 2-3 COATS OF APPROVED STAIN 2-3 COATS OF MATTE SEALER MIXED WITH H&C SHARKGRIP ADDITIVE. MUST ACHIEVE CLOSE TO 1 ANTISLIP COEFFICIENT FOR THE FLOOR.

BASE BOARD:

B1: RUBBER BASE
JOHNSONITE RUBBER BASE #21 PLATINUM, ROLL, 4" HIGH, TOE PROFILE

FIXTURE COLORS WHITE ROOMS (PT-1) SHALL BE MATTE BLACK
FIXTURE COLORS IN GREY ROOMS (PT-3) SHALL BE MATTE BLACK

WALL FINISH NOTES:

1. ALL WALL FINISHES TO BE LEVEL 4 - DO NOT PAINT MIRROR WALL AT BEAUTY BAR. PREP WALL TO RECEIVE VINYL GRAPHICS.
   IN SUITES, PAINT NON-TILED AREAS AND GYP CEILINGS

PAINT SCHEDULE*:
P1: (HALLWAY, ENTRY, UTILITY ROOM,)SHERWIN WILLIAMS SW6002 ESSENTIAL GRAY, EGGSHELL/SATIN - ALL GYP SURFACES INCLUDING CEILING.
P2 (WHITE SUITES) SHERWIN WILLIAMS SW7004 SNOWBOUND . EGSHELL PRE-CATALYZED WATER BASED EPOXY- CEILINGS AND AREA BEHIND SAUNA
P3 (GREY SUITES) SHERWIN WILLIAMS SW7072 ONLINE . EGSHELL PRE-CATALYZED WATER BASED EPOXY - CEIINGS AND AREA BEHIND SAUNA

*ALL PAINTS ARE LOW VOC, MEETING OR EXCEEDING LEED CRITERIA. DISTRIBUTED BY SHERWIN-WILLIAMS
PROVIDE SHERWIN WILLIAMS PRO INDUSTRIAL PRE-CATALYZED WATER BASED

FRP
FRP - CRANE COMPOSITES SMOOTH WHITE 85 GLASBOARD/ W/ SURFASEAL -BEHIND AND SIDES OF JANITOR SINK

ACOUSTICAL CEILING
ACT1 USG FROST CLIMA PLUS 414 24X24 SLB EDGE #534 CHARCOAL
USG DX/DXL GRID. #534 CHARCOAL

GENERAL NOTES:

USE BLACK EMERGENCY LIGHTS AGAINST BLACK / DARK ROOMS
USE WHITE EMERGENCY LIGHTS AGAINST WHITE ROOMS

USE GREY WALL SWITCHES AND PLATES AGAINST BLACK / DARK ROOM WALLS
USE WHITE WALL SWITCHES AGAINST WHITE WALLS

USE BLACK SONOS SPEAKERS

FINISH NOTES:

A. THE GENERAL CONTRACTOR SHALL SUBMIT SAMPLES OF ALL FINISHES FOR DESIGNERS APPROVAL AND CONFIRMATION PRIOR TO PURCHASE. PROVIDE 3 SAMPLES OF ACTUAL GOODS, REFLECTING CURRENT DYELOTS. THE G.C SHALL SUPPLY SAMPLES OF EACH DYELOT TO BE CONSIDERED.
B. WHERE RESILIENT BASE IS USED, THE CONTRACTOR SHALL SCORE THE BACK OF BASE AT CORNERS. THE CONTRACTOR SHALL MITER ALL INSIDE CORNERS. THE MATERIAL SHALL BE ORDERED AND INSTALLED IN A MANNER THAT MINIMIZES SEAMS AND VISIBLE JOINTS. RESILIENT BASE SHALL BE OF COIL TYPE.
C. REMOVE ANY EXCESS ADHESIVE AND / OR BLEMISHES AFTER INSTALLATION USING THE MANUFACTURERS RECOMMENDED CLEANER.
D. REFER TO THE THRESHOLD AND TRANSITION DETAILS D1. ALL TRANSITIONS SHALL OCCUR AT THE CENTER LINE OF THE DOOR OR OPENING U.N.O. REFER TO MANUFACTURERS SPECIFICATIONS FOR PROPER PREPARATION.
E. THE CONTRACTOR SHALL PREPARE THE FLOOR SLAB FOR INSTALLATION OF FLOORING PER THE MANUFACTURERS SPECIFICATIONS. NOTIFY THE DESIGNER IF THE SLAB VARIES MORE THAN 1/8" IN 10'-0".
F. NOT USED

G. NOT USED.
H. ALL EXPOSED EDGES OR CORNERS OF GYP. BD. CONSTRUCTION SHALL RECEIVE METAL CORNER BEADS, TAPED, SPACKLED, AND SANDED SMOOTH TO A LEVEL 4 FINISH U.N.O.
I. SEE WALL FINISH NOTES FOR SAMPLE SUBMITTAL AND ADDITIONAL FINISH INFO.
J. ALL MATERIAL SHALL BE NEW AND FREE OF DEFECT ALL DAMAGED, DENTED, OR DEFECTIVE MATERIAL SHALL BE REPLACED AT NO ADDITIONAL CHARGE TO THE OWNER
K. PROVIDE TOP COAT TO EXISTING CONC TO PREPARE FOR DECORATIVE CONC FINISH.
L. CONTINUE PATTERN UNDER CABINET WHERE NO BASE CAB. OCCURS TYP.
M. PAINT ALL F.E. CABINETS AND ENCLOSURES SEMI-GLOSS TO MATCH ADJACENT SURFACE.

N. ALL INTERIOR WALLS SHALL BE PREPARED TO RECEIVE PAINT OR WALLCOVERING. INSTALL MATERIAL PER MANUFACTURERS SPECIFICATIONS INCLUDING PRIMING AND SEALING. APPLY A SURFACE SEALER WHICH WILL PERMIT THE SUBSEQUENT REMOVAL OF WALLCOVERING WITH OUT DAMAGE TO PAPER FACING OF GYP. BD.
O. ACCLIMATE WALLCOVERING MATERIAL BY REMOVING IT FROM PACKAGING IN THE INSTALLATION AREA NOT LESS THAN 24 HOURS BEFORE APPLICATION.
P. THE CONTRACTOR TO ANY REMOVE SWITCH PLATES, WALL PLATES, AND SURFACE MOUNTED FIXTURES IN AREAS WHERE WALLCOVERING IS TO BE APPLIED. INSTALL ITEMS REMOVED UPON COMPLETION OF WALLCOVERING INSTALLATION IN EACH SPACE OR AREA.
Q. PLACE WALLCOVERING PANELS CONSECUTIVELY IN THE ORDER CUT FROM THE ROLLS, INCLUDING FILLING SPACES SPACES ABOVE AND BELOW OPENINGS. DO NOT USE SECTIONS OF MATERIAL WITH OBVIOUS DEFECTS.
R. ALL WALLCOVERING SHALL BE INSTALLED TO AVOID SEAMS WITHIN 6" OF CORNERS. HORIZONTAL SEAMS ARE NOT PERMITTED.
S. ALL WALLCOVERING SHALL BE FREE OF BUBBLES AND OTHER DEFECTS. LEAVE ALL SEAMS FREE OF DRIED ADHESIVE, ROUGH EDGES OR LOOSE FIBERS. USE THE MANUFACTURERS SPECIFICATIONS FOR REMOVAL OF EXCESS ADHESIVE OR DIRT AFTER COMPLETION OF INSTALLATION.
T. CHANGE BLADES AS RECOMMENDED BY THE MANUFACTURER
U. QUALITY STANDARDS: ALL MATERIAL SHALL BE INSTALLED PER MANUFACTURERS STANDARDS., SPECIFICATIONS, AND INSTRUCTIONS.
V. ALL FINISHES SHALL MEET THE MAXIMUM FLAME SPREAD CLASS III PER THE NCBC U.N.O. FLAME SPREAD CLASSIFICATION BETWEEN 76–200.
W. INSTALLATION OF FINISHES: DO NOT COMMENCE UNTIL SURFACE CONDITIONS ARE WITHIN MANUFACTURERS TOLERANCE REQ'D. AND ARE FREE OF DEFECTS THAT MAY PREVENT PROPER INSTALLATION. STARTING OF
X. INSTALLATION IMPLIES ACCEPTANCE OF AND RESPONSIBILITY FOR SURFACES. ANY DISCREPANCIES IN MATERIAL SPECIFICATION OR QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF DINA ROSAS 480.719.0790

INTERIOR WALL AND CEILING FINISHES
CLASS A – FLAME SPREAD 0–25; SMOKE DEVELOPED INDEX 0–450
CLASS B – FLAME SPREAD 26–75; SMOKE DEVELOPED INDEX 0–450
CLASS C – 76–200 FLAME SPREAD; SMOKE DEVELOPED INDEX 0–450

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Salt Lake UT 84106

PROJECT: RENOVATION FOR

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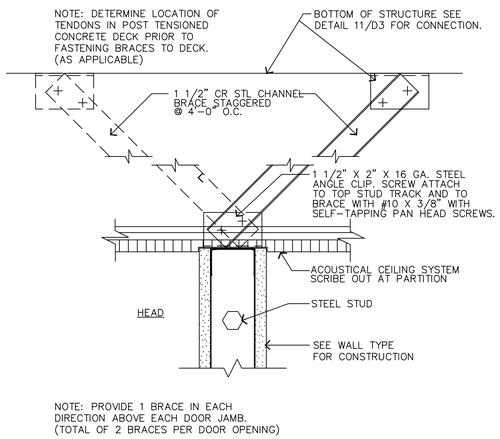
SCALE: SEE PLAN

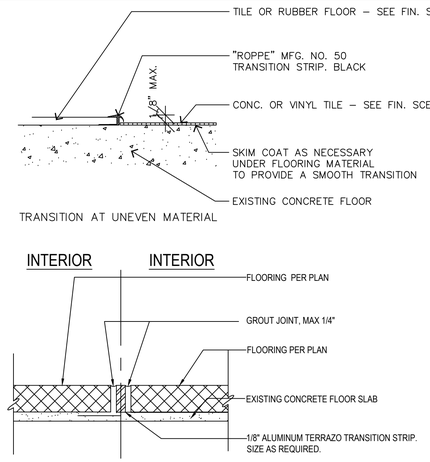
JOB NO:

SHEET: A-4



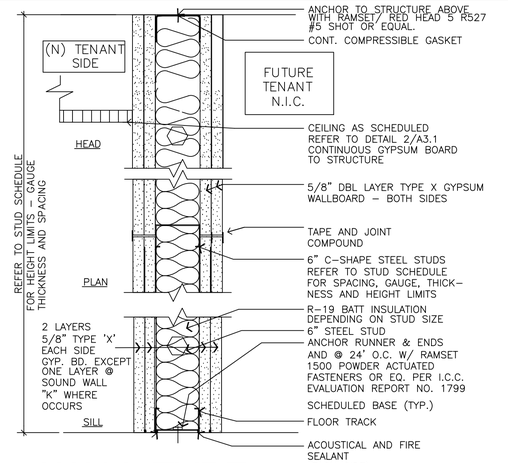
12 WALL BRACE

SCALE : 3" = 1'-0"



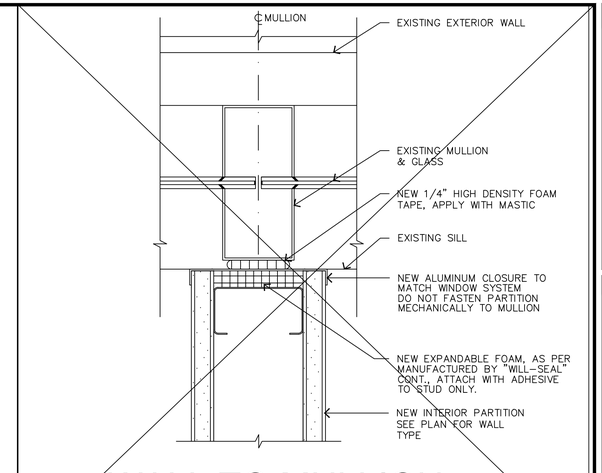
9 TILE TRANSITION

SCALE : 6" = 1'-0"



J WALL TYPE

SCALE : 3" = 1'-0"



3 WALL TO MULLION

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

11 FLOOR FINISH TRANSITION

SCALE : FULL SCALE

NOTES:

- HANGER WIRES SHALL BE 12 GAGE AND SPACED 4 FEET O.C. OR 10 GAGE SPACED 5 FEET O.C.
- ANY CONNECTION DEVICE AT THE SUPPORTING CONSTRUCTION SHALL BE CAPABLE OF CARRYING NO LESS THAN 100 LBS.
- POWDER DRIVEN SHOT-IN-ANCHORS ARE AN APPROVED METHOD OF ATTACHMENT FOR HANGER WIRES
- TERMINAL ENDS OF EACH MAIN BEAM AND CROSS TEES MUST BE SUPPORTED WITHIN 8" OF EACH WALL WITH A PERIMETER WIRE.
- WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. A TRAPEZE OR EQUIVILENT DEVICE SHALL BE USED WHERE OBSTRUCTIONS PRECLUDE DIRECT SUSPENSION. TRAPEZE SUSPENSIONS SHALL BE MIN. BACK-TO-BACK 1-1/4" COLD ROLLED CHANNELS FOR SPANS EXCEEDING 48"

8 HANG WIRE ATTACHMENT

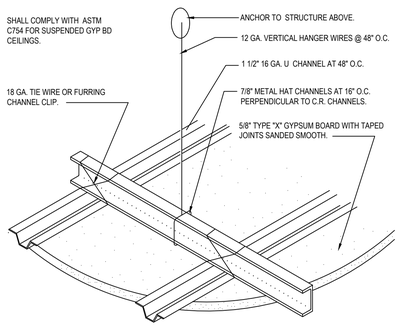
SCALE : 3" = 1'-0"

I WALL TYPE

SCALE : 3" = 1'-0"

2 TYP. POUR BACK

SCALE : NTS



10 SUSP. GYP. CEILING

SCALE : 1" = 1'-0"

K1 WALL TYPE

SCALE : 3" = 1'-0"

H WALL TYPE

SCALE : 3" = 1'-0"

G WALL TYPE

SCALE : 3" = 1'-0"

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Salt Lake UT 84106

PROJECT: RENOVATION FOR

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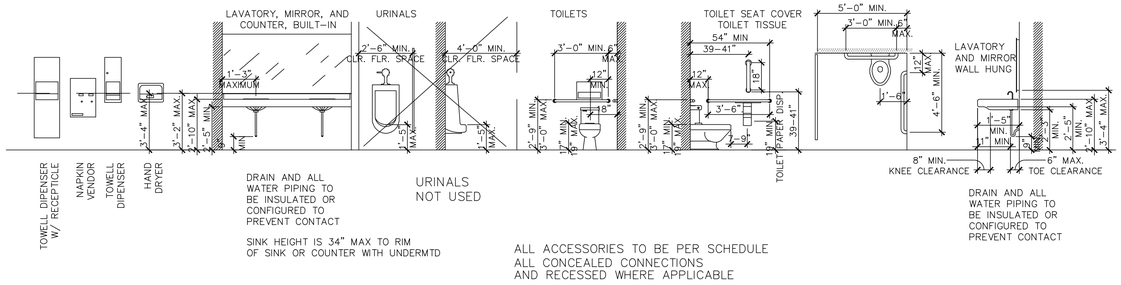
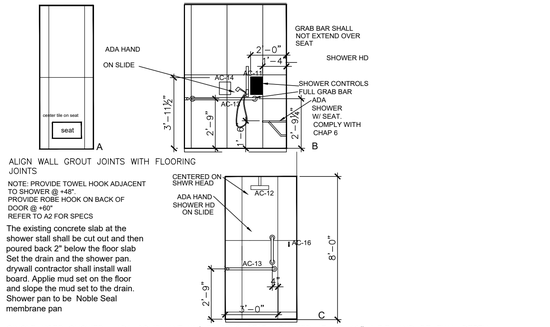
SHEET:	D-1



ALL ACCESSORIES TO BE PER SCHEDULE
ALL CONCEALED CONNECTIONS
AND RECESSED WHERE APPLICABLE

12 TYPICAL MOUNTING HEIGHTS

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



ALIGN WALL GROUT JOINTS WITH FLOORING JOINTS

NOTE: PROVIDE TOWEL HOOK ADJACENT TO SHOWER @ +48". PROVIDE ROBE HOOK ON BACK OF DOOR @ +60" REFER TO A2 FOR SPECS

The existing concrete slab at the shower stall shall be cut out and then poured back 2" below the floor slab Set the drain and the shower pan. drywall contractor shall install wall board. Applie mud set on the floor and slope the mud set to the drain. Shower pan to be Noble Seal membrane pan

SINGLE USER SHOWER– ADA COMPLIANT W/ FOLDING SEAT MOUNTED AT 17–19" A.F.F. AND BE FULL DEPTH SHOWERS SHALL COMPLY W/ ADA CHAP 6. PROVIDE GRAB BAR CONTINUOUS AT CONTROL AND 18" AT SIDE AND SHALL BE MOUNTED AT 33–36" A.F.F.. CURB SHALL NOT EXCEED 1/2" CONTROLS SHALL BE 38– 48" A.F.F. FAUCETS AND CONTROLS SHALL BE OPPOSITE SIDE OF SEAT. PROVIDE A SHOWER SPRAY UNIT THAT HAS A HOSE THAT IS 60" LONG MIN. THE SPRAYER THAT CAN BE USED AS BOTH FIXED AND HAND HELD. TILE FULL WALL AT EACH SIDE. PROVIDE SHOWER ACCESSORIES PER OWNER. ENCLOSURES SHALL NOT OBSTRUCT CONTROLS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS.

PROVIDE CONTROLS THAT SHALL DELIVER WATER THAT IS THERMAL SHOCK PROTECTED TO 120 DEGREES F. MAX.

3 ADA SHOWER ROOM

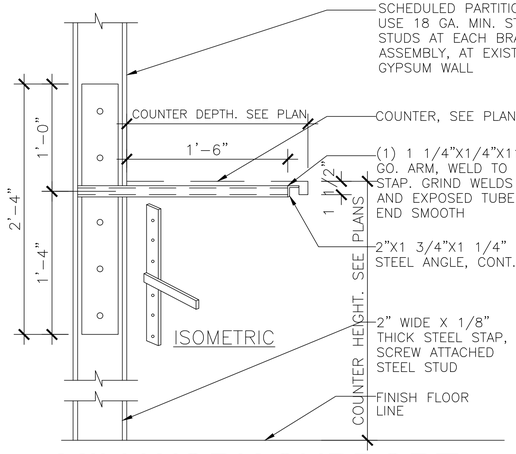
SCALE : 1/4" = 1'-0"

TOILET/SHOWER ROOM ACCESSORIES

AC–1: KOHLER RESTROOM 36" GRAB BAR K24551–BL (18" VERTICAL GRAB K24549 BL)
AC–2: KOHLER RESTROOM 42" GRAB BAR B6806 SERIES BLACK – K–22824–BL
AC–3: GATCO LATITUDE G1420MX
AC–4: UTTERMOST RECTANGULAR BLACK FRAME 24X38 UW00488
AC–5: TORK EXPRESS PAPER TOWEL DISPENSER–H–4450BL
AC–6: YAHEETECH WHITE BATHROOM FLOOR CABINET, BY OWNER, GC INSTALLED. (LOCATED IN FIELD)
AC–7: NOT USED
AC–8: FROM CORPORATE – GC INSTALLED
AC–9: SIMPLE HUMAN 45L TRASH CW2027
AC–10: SAME AS AC–1 AND 2
AC–11: SHOWER CONTROL KOHLER PURIST REFER TO A2.1
AC–12: SHOWER HEAD– REFER TO A2.1
AC–13: SHOWER GRAB BARS MOEN MR87–(SIZE)–BN, 18, 24, 36, 42
AC–14: SOAP DISPENSER FROM CORPORATE, GC INSTALLED
AC–15: KOHLER K–98351 FOLDING ADA BENCH
AC–16: KES SUS 304 MATTE BLACK IN WHITE, BRUSHED GOLD IN BLUE
PROVDE 2 EACH SUITE – 4 ADA SUITE – 1 TOILET

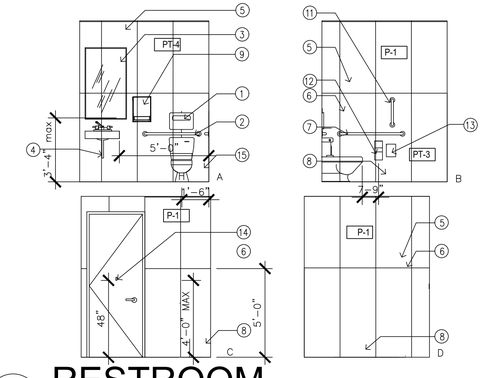
STAY WELL VITAMIN C WATER INFUSER AT EACH SHOWER HEAD – OWNER PROVIDED GC INSTALLED

DINGGLY– INSIDE SAUNA AND NEXT TO COLD PLUNGE – COPORATE PROVIDED GC INSTALLED
CLOCK – VOCOO – WHITE IN WHITE TILED ROOMS



11 MILLWORK SUPPORT

SCALE : 1 1/2" = 1'–0"



7 RESTROOM

SCALE : 1/4" = 1'–0"

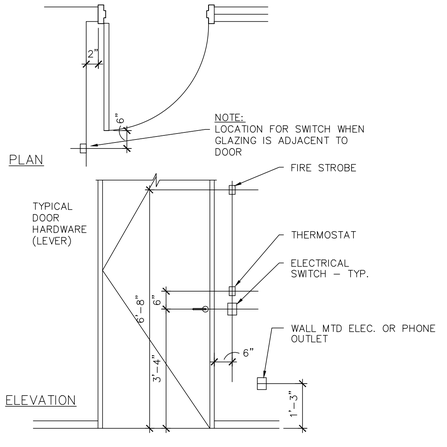
KEYED NOTES:

1. SEAT COVER DISP.
2. 36" NON SLIP HAND RAIL. PROVIDE BACK'G AC–1
3. MIRROR: AC–4
4. SHROUD AT DRAIN PIPE
5. 3 COATS OF SEMI–GLOSS PAINT OVER EXISTING GYP WALLS.
6. SCHLUTER TRIM, US26 BRUSHED CHROME
7. 42" NON–SLIP HANDRAIL. PROVIDE BACKING AC–2
8. FIELD TILE
9. PAPER TOWEL DISP. AC–5
10. SOAP DISPENSER AC–7
11. 18" VERT. GRAB BAR AC–1
12. T.P. DISPENSER AC–3
13. SANITARY NAPKIN DISPOSAL (WOMEN ONLY)
14. ROBE HOOK AC–16

REFER TO DETAIL ON SHEET D–2/12 FOR MOUNTING HTS AND ADA DIMENSIONS AND NOTES.

ALL TILE TO BE CENTERED ON WALL. SEE ELEVATION

REFER TO D2 FOR SPECS



1 TYP. MOUNTING HEIGHT.

SCALE : 1/2" = 1'–0"

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DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: D-2

STUD WIDTH	STUD GAUGE	STUD SPACING	PARTITION HEIGHT	BRACING SPACING WHERE OCCURS
1 5/8"	25	16	10'-2"	4'-0" O.C.
		24	8'-3"	4'-0" O.C.
2 1/2"	25	16	13'-2"	6'-0" O.C.
		24	10'-9"	6'-0" O.C.
	22	16	14'-9"	6'-0" O.C.
		24	12'-1"	6'-0" O.C.
	20	16	16'-3"	6'-0" O.C.
		24	13'-3"	6'-0" O.C.
3 5/8"	25	16	15'-3"	8'-0" O.C.
		24	12'-5"	8'-0" O.C.
	22	16	19'-1"	8'-0" O.C.
		24	15'-7"	8'-0" O.C.
	20	16	21'-0"	8'-0" O.C.
		24	17'-2"	8'-0" O.C.
	18	16	23'-0"	8'-0" O.C.
		24	20'-1"	8'-0" O.C.
	16	16	24'-6"	8'-0" O.C.
		24	21'-6"	8'-0" O.C.

STUD WIDTH	STUD GAUGE	STUD SPACING	PARTITION HEIGHT	BRACING SPACING WHERE OCCURS
6"	25	16	18'-6"	10'-0" O.C.
		24	15'-1"	10'-0" O.C.
	22	16	26'-3"	10'-0" O.C.
		24	22'-4"	10'-0" O.C.
	20	16	28'-6"	10'-0" O.C.
		24	23'-4"	10'-0" O.C.
	18	16	34'-3"	10'-0" O.C.
		24	28'-1"	10'-0" O.C.
	16	16	36'-6"	10'-0" O.C.
		24	32'-1"	10'-0" O.C.

VALUES BASED ON NO AXIAL LOAD AND DEFLECTION LIMIT OF h/120 (VERIFY WITH ARCHITECTURAL SPECIFICATIONS FOR SPECIAL REQUIREMENT)

BRACING DESIGN BASED ON MAXIMUM WALL HEIGHT (TO CEILING) OF 10'-0"

TOP AND BOTTOM TRACK TO BE SAME GAGE AS STUD. SPLICE TOP TRACK AT BRACING OR WALL CORNERS

GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED OTHERWISE

COLD FORMED STRUCTURAL STEEL FRAMING (I.C.B.O. #4943 P)

ALL COLD-FORMED STEEL FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE.

STEEL FOR ALL STUDS AND FOR ALL GAGES OF TRACK, ACCESSORIES AND BRIDGING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI.

ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK. UNLESS NOTED OTHERWISE, PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS. BRIDGING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.

DOOR SCHEDULE

NO.	NAME	SIZE (W x H)	2 THICKNESS	3 TYPE	4 CONST.	5 FACING FINISH	6 GLASS LOUVER	7 RATING	8 FRAME	9 HARDWARE GROUP	REMARKS
A	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	
B	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	
C	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	
D	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	
E	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	
F	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	
G	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	
H	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	ADA SUITE/HARDWARE/DOOR STOP
I	CT SUITE	3'-0 X6'-8"	1 3/4"	B	SC	WD			PKT	5	
J	STORAGE	3'-0 X6'-8"	1 3/4"	A	SC	WD			HM	3	
K	LAUNDRY/WORK	3'-0 X6'-8"	1 3/4"	A	SC	WD			HM	3	
L	LAUNDRY/WORK	3'-0 X6'-8"	1 3/4"	A	SC	WD			HM	3	
											ALL DOORS BIRCH WITH CLEAR COAT PAINTED KD-HM FRAMES
											*ALLOW FOR FLOORING THICKNESS AT ALL DOORS
											ALL DOOR STOPS IN RESTROOM AND STORAGE/WORK TO BE FLOOR STOPS

HARDWARE LEGEND

LEVER HEAVY DUTY CYL. HARDWARE, BLACK

H.W. SET #1 – (EXTERIOR EXIT) – EXISTING

1.5-PAIR BUTTS	FBB179 4-1/2" X 4-1/2" NRP 26D
1-EXIT DEVICE	VON DUPRIN 22E0
1-THRESHOLD	170A PEMKO
1-SWEEP	315CN
1-WEATHER STRIP	303AS
1-CLOSER	1521SC

H.W. SET#3 –(INTERIOR LOCKING)

1.5-PAIR BUTTS	EVERBILT 4-1/2" BLACK
1-ENTRY LOCKSET	SCHLAGE J10SOL622 MATTE BLACK
1-WALL STOP	DELTANA 2-1/8" GOOSENECK FDB218U19
3-SILENCERS	EVERBILT GREY

H.W. SET #4 – (TOILET ROOM)

1.5-PAIR BUTTS	EVERBILT 4-1/2" BLACK
1-PRIVACY	SCHLAGE F40LAT622 MATTE BLACK
	SCHLAGE B571-622 "IN USE" LOCK
1-WALL STOP	DELTANA 2-1/8" GOOSENECK FDB218U19
1-CLOSER	CRL 9160 OVERHEAD CONCEALED
3-SILENCERS	EVERBILT GREY

H.W. SET #5 POCKET

PULL: LINNEA PL160S-AD-PR

ADA COMPLIANT – ADA DOOR MUST HAVE STOP TO KEEP DOOR FROM RETRACTING. PUSH LOCK AND RELEASE. SEE 1/D3 FOR ADA SATIN BLACK

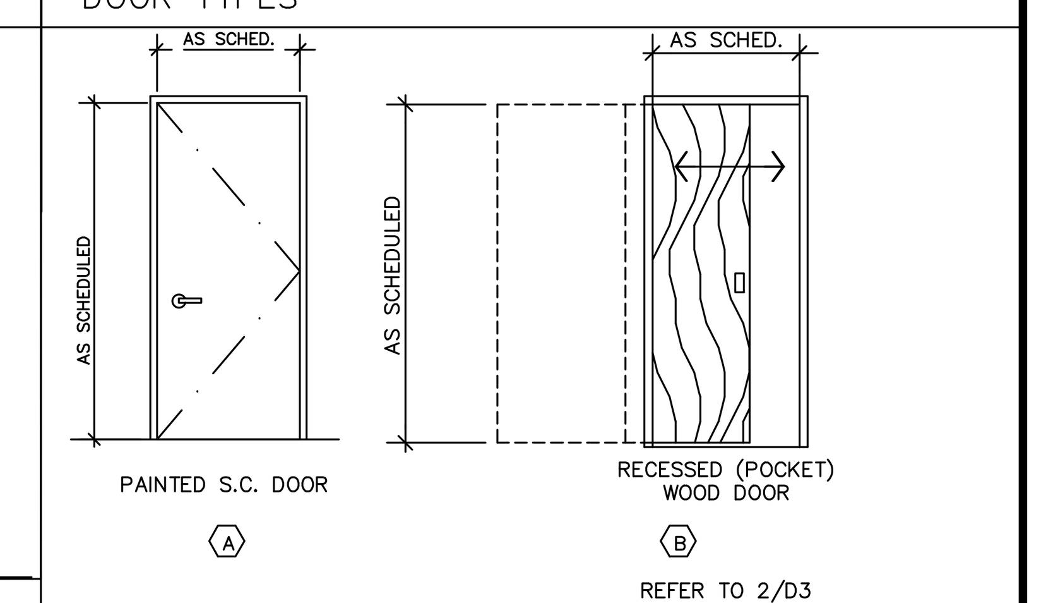
DOOR SCHEDULE – GENERAL NOTES

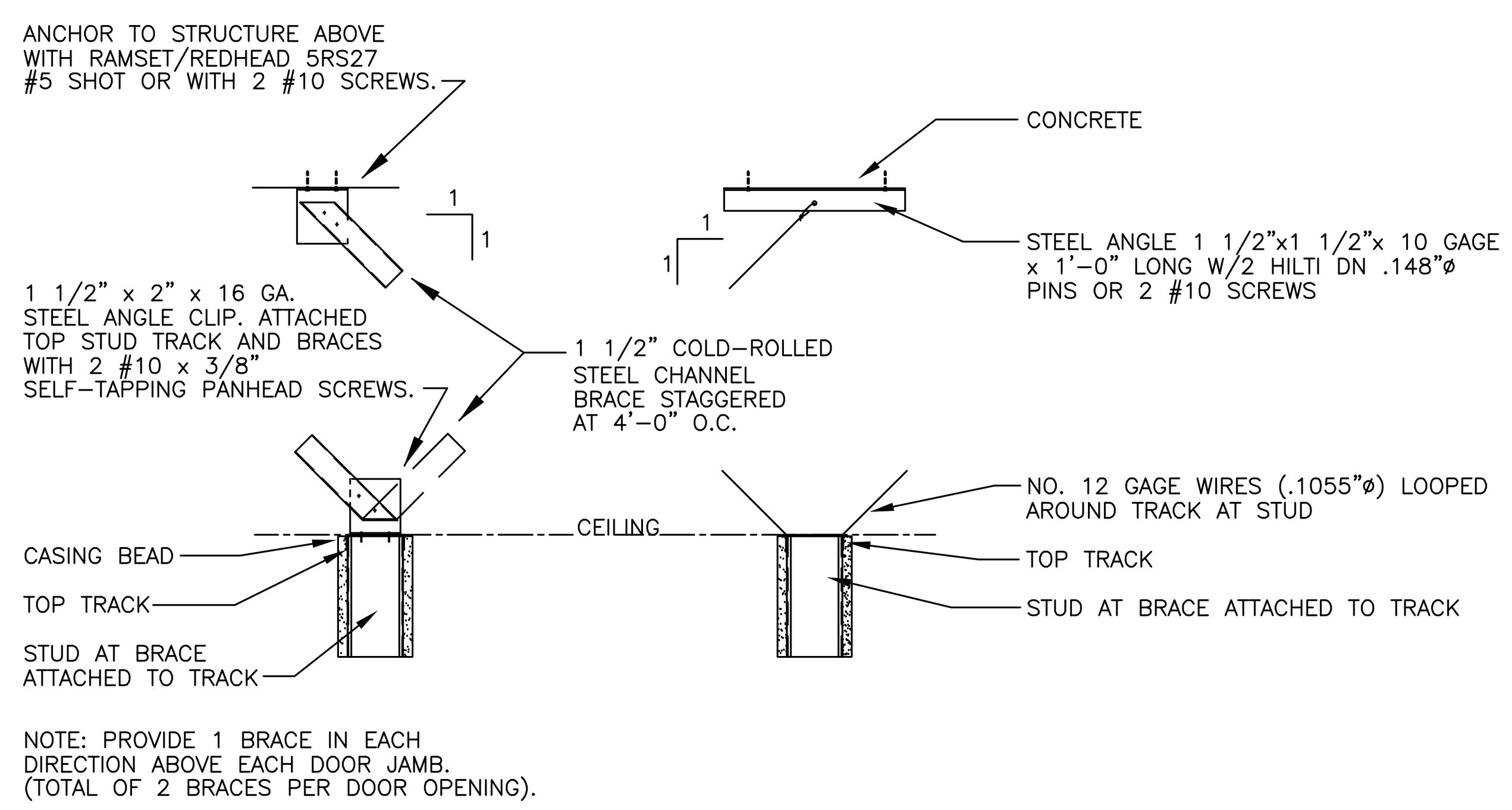
1. HANDLES, PULLS, LATCHES AND LOCKS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE –ADA 4.13.9
2. DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT USE OF KEY, SPECIAL KNOWLEDGE OR EFFORT. IBC
3. ALL EXIT DOORS SHALL REQUIRE ONLY ONE OPERATION TO OPEN. IBC
4. MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS ARE PROHIBITED. IBC
5. ENTRY DOOR SHALL HAVE A SIGN THAT STATES " DOOR SHALL REMAIN UNLOCKED DURING BUSINESS HOURS"
6. HARDWARE @ EXISTING DOORS TO BE MODIFIED/COORDINATED PER TENANT'S KEYING SYSTEM.
7. INTERIOR SIDELIGHTS ADJACENT TO AN INTERIOR DOOR ARE AN INTEGRAL FRAME.
8. EXIT DOOR SHALL HAVE TACTILE SIGNAGE STATING "EXIT" PER ICC A117.1 ADJACENT TO EXIT REFER TO NOTE 34 SHEET A2

DOOR SCHEDULE – LEGEND/ABBREVIATIONS

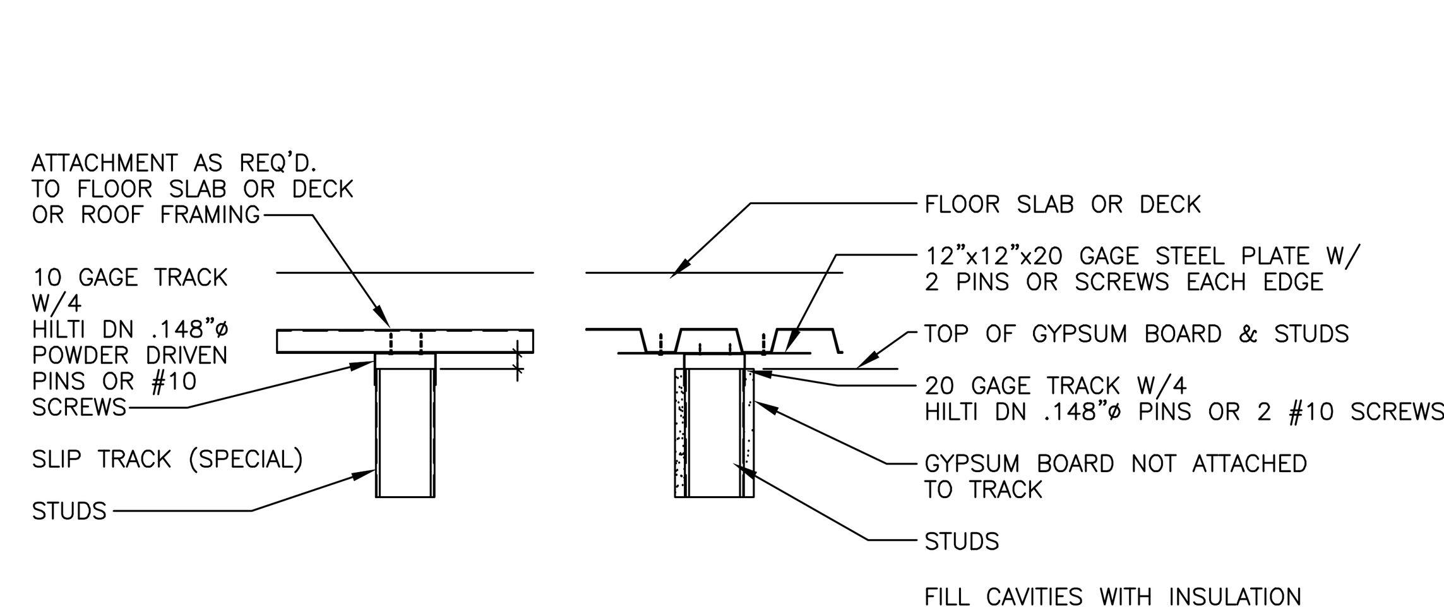
SC	SOLID CORE	WS	WOOD, STAINED
HC	HOLLOW CORE	GL	CLEAR GLASS, TEMPERED
HM	HOLLOW METAL	AA	ANODIZED ALUMINUM (CLEAR)
MTL	METAL	20 MIN	20 MINUTE FIRE RATED
WG	WOOD/GLASS	ALUM/GL	ALUMINUM / GLASS

DOOR TYPES





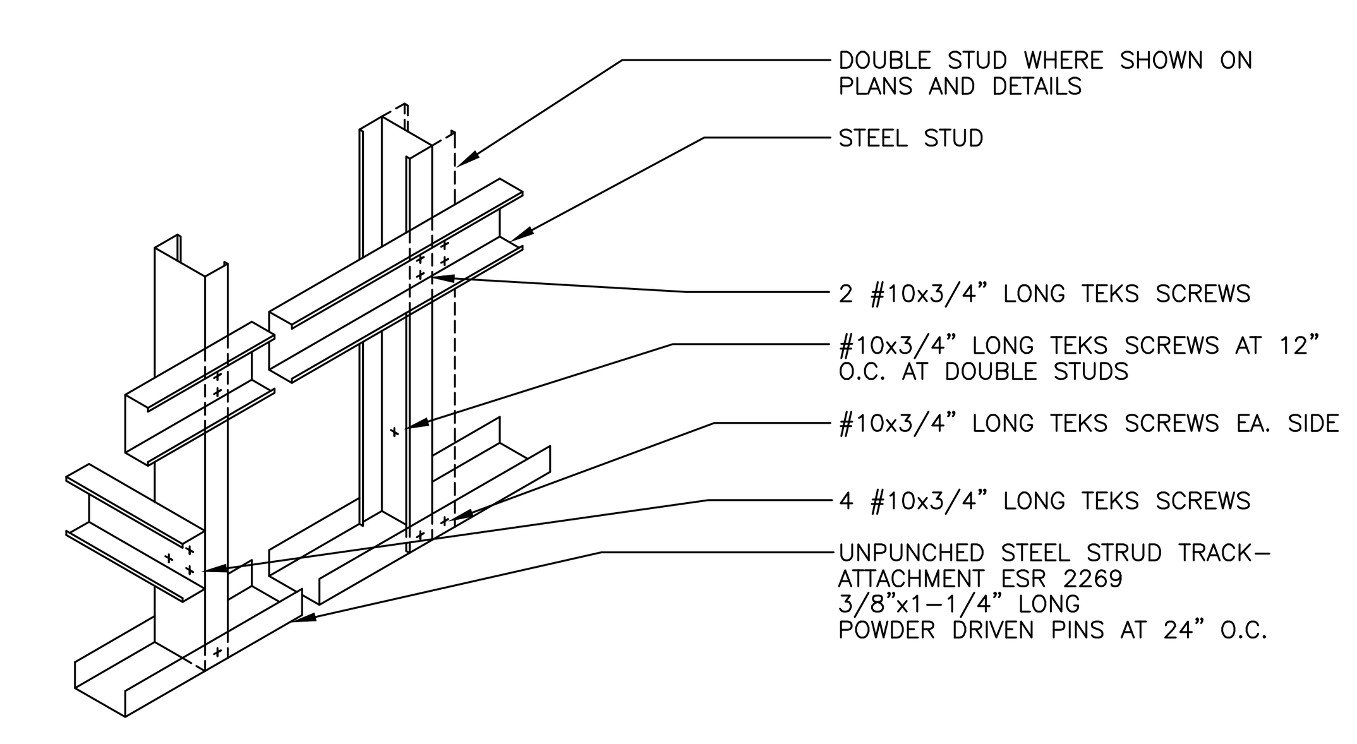
B TOP TRACK SUPPORT DETAILS – TOP CONNECTIONS



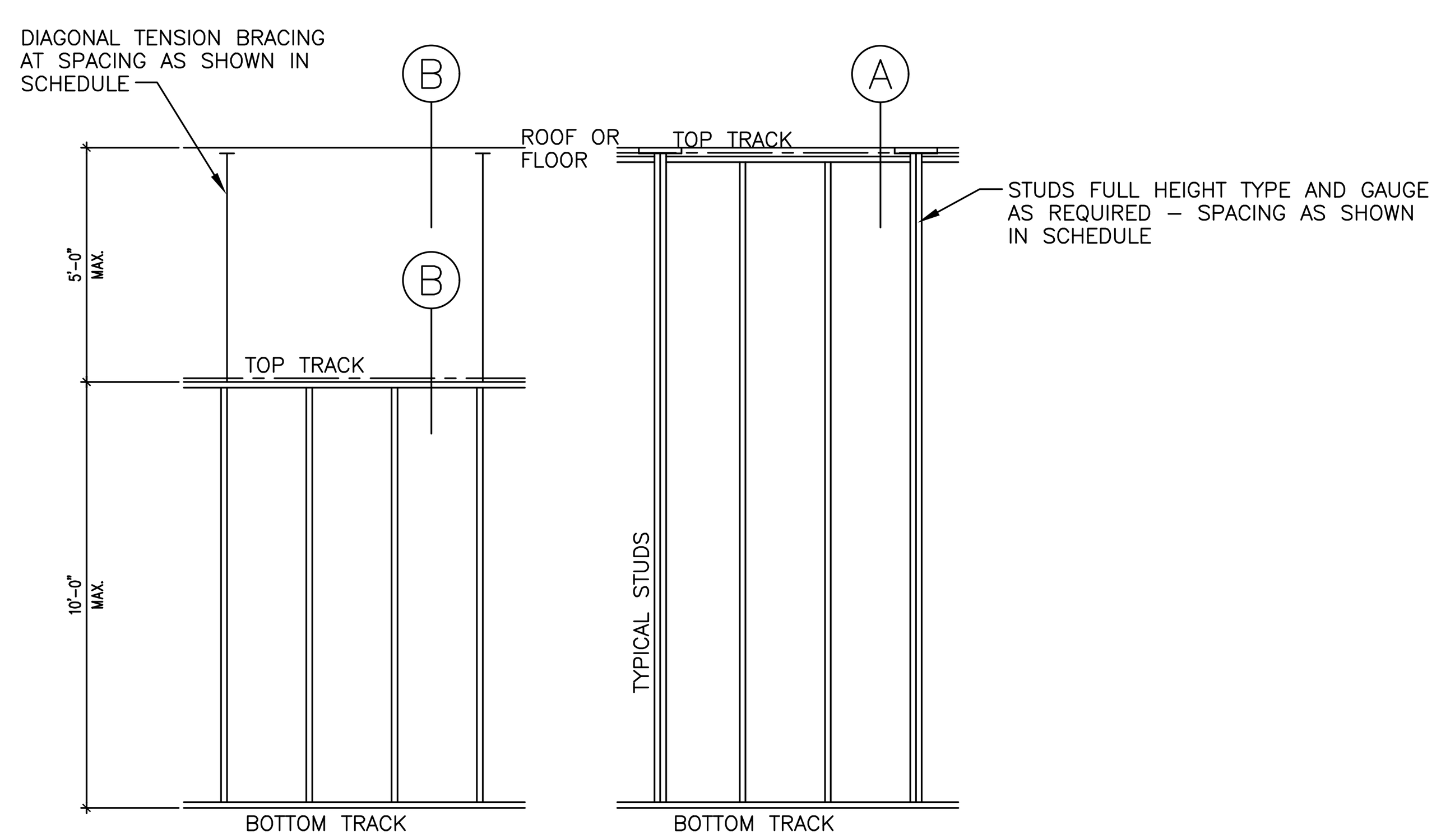
A TRACK DETAILS – TOP CONNECTIONS

11 TRACK SUPPORT CONNECTIONS

SCALE : 3/4" = 1'-0"



STEEL STUD ATTACHMENT



ALTERNATE B 11/D3 ALTERNATE A – 11/D3

NON BEARING CEILING HEIGHT INTERIOR PARTITION BRACING TO FLOOR/ROOF

10 NON- LOAD BEARING FRAMING SYSTEM

SCALE : 3/4" = 1'-0"

Interior Doors

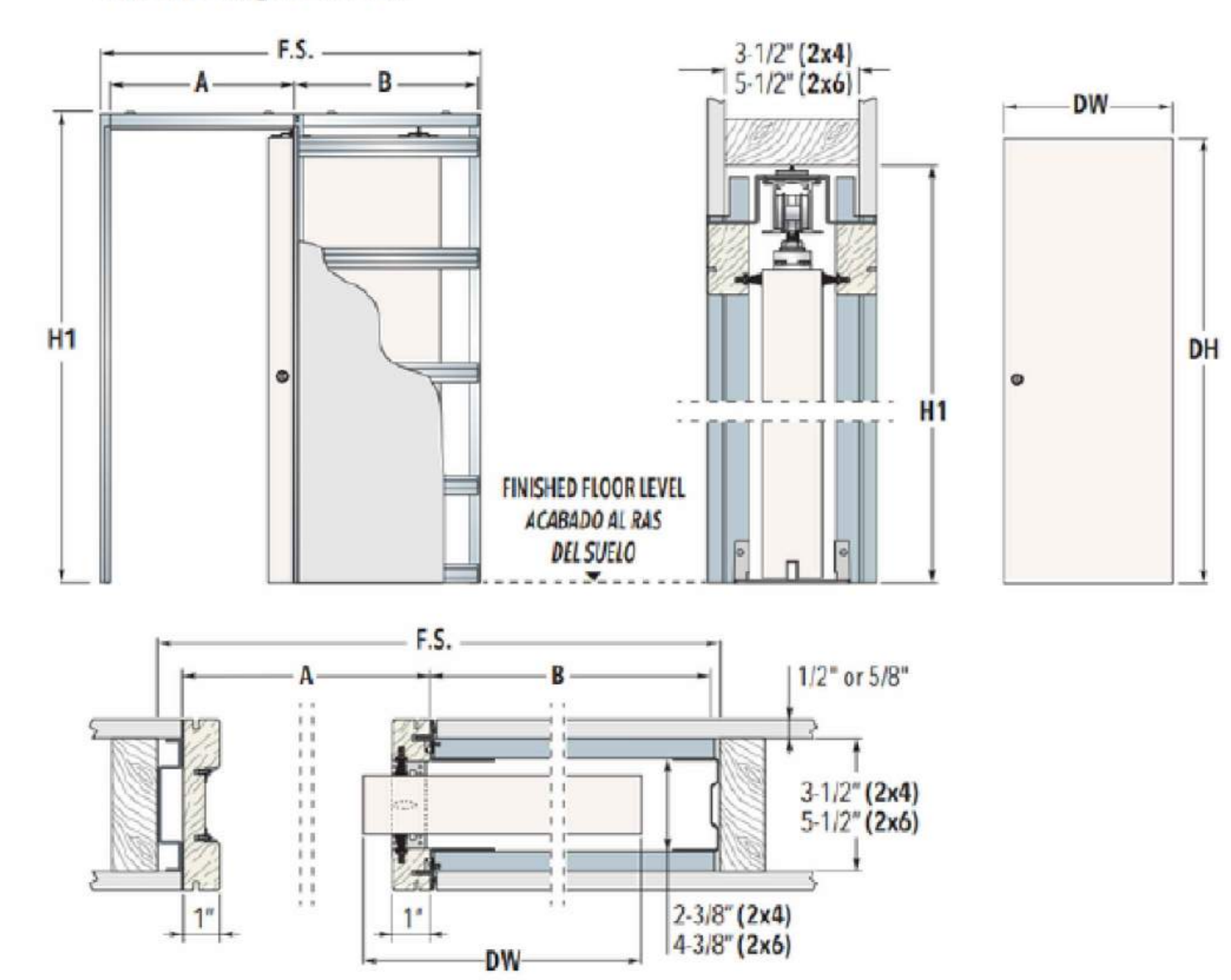
Wood Door
Material: Solid Birch Core
Size: 3'0"x 6'8" x 1 – ¾"
Location: Restroom and Office
Finish: Painted

Interior Pocket Doors

Pocket Door
Material: Solid Birch Core
Size: 3'0" x 6'8" x 1- ¾"
Location: Suites
Finished: Painted

Pocket Door Frame Preferred Option

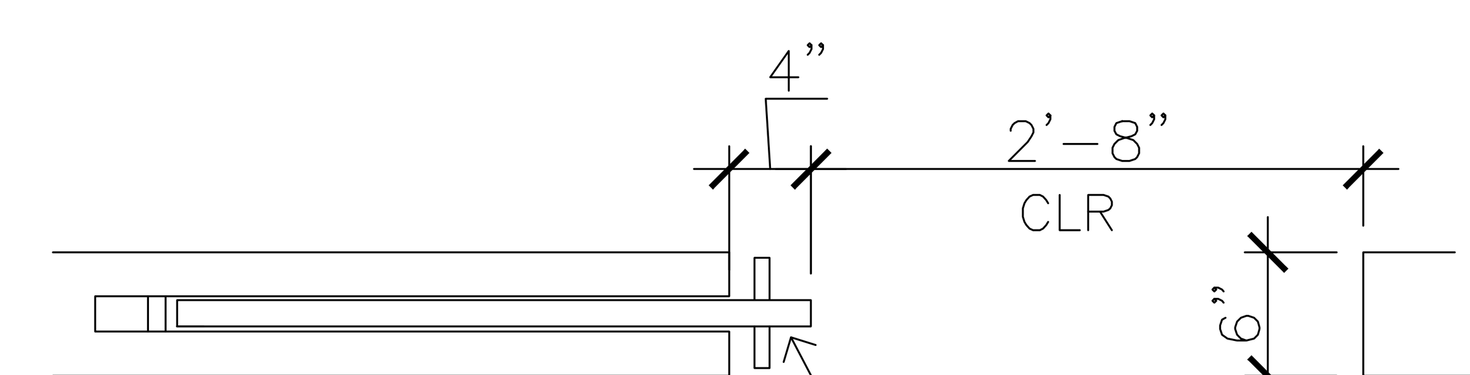
Eclisse Pocket Door Systems
Eclisse Single 2x4-2x6



PROVIDE SOFT CLOSE

2 DOOR DETAILS

SCALE : NTS



36" SOLID CORE SLIDING DOOR WITH TUBULAR SHAPED CONTINUOUS PULLS – 12". MAX 5 LBS OPENING FORCE. PROVIDE STOP AT BACK OF CAVITY TO PREVENT HDWE FROM HITTING DOOR JAMB

1 POCKET DOOR

SCALE : 1" = 1'-0"

No.	REVISION/DESCRIPTION	DATE:	BY:
	corporate and LL review	11.15.24	
*	*	*	

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LEGACY FRANCHISE CONCEPTS CONSTR. SWTHZ APPROVED

PROJECT: RENOVATION FOR
SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake UT 84106

DRAWN:

DATE: 11.15.24

SCALE: SEE PLAN

JOB NO:

SHEET: D-3

01000 – CODES, NOTICES AND QUALITY CONTROL

The Contractor shall comply with and give notices to suppliers and subcontractors to comply with codes, ordinances and regulations of authorites having jurisdiction over the Project. It is not the responsibility of the Contract to make certain that the Contract Documents are in compliance with such requirements, however, if the Contractor becomes aware of any variance or dieficiency, Contractor shall immediately notify the Architect and Owner in writing, so that the appropriate modification can be made.

All work shall be performed by skilled, duly licensed mechanics, in accordance with the methods, standards and accepted practices of the trades involved.

Deliver, store and install all products per manufacturer's written instructions.

Where specific specification sections require and approved applicator it shall be the Contractor's responsibility to insure the applicator is currently certified by the particular manufacturer for this type of installation or application.

Prior to the start of work the Contractor is to verify all site and building dimensions, establish and verify all openings and inserts for structural, mechanical, plumbing and electrical with appropriate trades, verify each subsurface to receive the work of each trade and report detrimental conditions in writing to the Architect. Commencement of work will represent acceptance of the subsurface and existing conditions by the Contractor.

Additional requirements of the Project may be found in the Mechanical, Plumbing, Electrical Drawings and notes therein, or in referenced standards. In case of discrepancy or conflict among parts of the Drawings, Specifications or referenced standards, obtain clarification or correction by the Architect in a timely manner and before proceeding.

See General Notes for additional information specific to this project.

01300 – SUBMITTALS

Contractor shall review all shop drawings, product data and samples prior to submission. Contractor shall determine and verify field measurements, field construction criteria, catalog numbers and similar data for conformance with Specifications. Following Contractor's review and approval, submit to the Architect 5 copies (or 1 reproduceable and 1 print) of shop drawings and product data. Submit samples of materials in quantities and sizes as required by the Specifications. Samples shall include full range of manufacturer's standard colors, textures, and patterns for selection by Architect. Resubmit corected copies for approval in accordance with original submittal. Contractor shall be responsible for obtaining shop drawings, product data and samples required for coordination and progress of the work even though such drawings may not require Architect's review.

Contractor shall not begin fabrication or work which requires submittal until return of approved submittal form from Architect. Once Contractor has received approved materials he is responsible for distribution of all approved shop drawings, product data and samples to subcontractors and suppliers as required to coordinate their work and the timely completion of the Project. Contractor is responsible for submitting all information in a timely manner to allow for review, approval, and ordering of products so as not to delay the completion of the project.

Contractor shall submit 3 copies of application for payment on a AIA Document G702, to the owner, Application and Certificate for Payment, supported by approved AIA Document G703, Continuation Sheet. Each application for payment shall include lien releases for the previous payment, substantiation for stored materials (if acceptable by Owner), and any pertinent items required by the Owner or the Architect and identified during the Pre–Construction Conference.

01600 – MATERIALS AND EQUIPMENT

Contractor shall comply with the manufacturer's written specifications, instructions and recommendations for each product. Manufacturer's warranty for the product shall be issued to the Onwer and apply to the full perido. Applicators of such products shall be qualified and approved by the manufacturer. All products listed by the reference number to testing or review agencies such as ICBO, NER, UL, ASTM, etc., shall be installed in accordance with the requirements of the report or standard.

When product is specified by reference standard or, another approved product meeting those standards is acceptable. When a product is specified by naming one or more manufacturers with a substitution provision the Contractor must supply one of the specified products or submit a request for substitution 7 days prior to bid opening. All substitution requests must be approved by the Architect and owner. Products that are specified by naming one or more manufacturers without a substitution provision must be selected from named products. It is the Contractor's responsibility to provide all information necessary to evaluat a substitution request by direct comparison to the specified products.

Substitution will not be consiered after the bid date or when indicated or implied on shop drawings or product data submittals.

01500 CONSTRUCTION FACILITIES & TEMPORARY CONTROLS

Comply with codes and regulations regarding potable drinking water, sanitation, dust control, fire protection and other temporary controls. PRovide, maintain and pay for and pay for suitable quality water service required for continued operations.

Schedule operations with the Owner and perform work at agreed times and in accordance with approved requirements.

Provide and maintain required sanitary facilities and enclosures.

If required, provide and pay for power service from Utility and make arrangements for such service.

Protect installed work and provide special protection where specified in individual Specification selections.

Provide security and facilities to protect work from unauthorized entry, vandalism and theft.

Restrict noise level and dust in accordance with Owner's requirements. Coordinate and schedule all noisy work with the Owner. Maintain enclosures as directed to prevent penetration of dust, dirt and debris into occupied portions of the building.

Maintain areas free of waste material, debris and rubbish. Maintain site in a clean and orderly condition. Clean weekly (minimum) and dispose of waste offsite in a legal manner. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other close or remote spaces prior to enclosing the space. Sweep and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

01700 – CONTRACT CLOSEOUT

Perform all normal and special cleaning needed to make the Project acceptable and ready for occupancy. Restore existing improvements inside and outside the property which were disturbed, damaged or destroyed, to their original condition or to the satsifaction of the Owner.

Project Record Documents: As the work progresses, Contractor shall maintain a complete and accurate record of changes or deviations from the Contract Documents and shop drawings, documenting the work as actually installed. Record the following information in the appropriate locations on a record set of the Specifications maintained solely for the purpose of this documentation.

1. Modifications made by Addenda, Change Orders, Construction Change Directives and Architect's Supplemental Documentation which shall be transferred to the Record Documents.
2. Location of site underground pipes, conduits, cables and similar work, dimensioned horizontally to permanent points of reference and vertically indicating depth of burial.
3. Location of building plumbing piping, control valves, heating and air conditioning equipment, mechanical piping, ductwork, major contuit runs, power, control and alarm wiring, etc., dimensioned horizontally to permanent points of reference.
4. Modifications made to accommodate field conditions.
5. Location and function of mechanical and electrical control devices and shut–off valves.

Upon Substantial Completion of the Work, deliver the complete set of REcord Documents to the Architect, including shop drawings, product information, manufacturer's instructions and other submittals, and an annotated set of Specifications, identifying all the products incorporated into the Project.

Operation and Maintenance Data: Upon Substantial Completion of the Mechanical, Plumbing and Electrical work (including security, telephone, etc.) furnish a complete, bound copy of operating and maintenance instructions and part lists for material, equipment and systems, electrical and control items. Prior to final inspection, demonstrate operation of each system to Owner. Instruct Owner's personnel in operation adjustment and maintenance of equipment and systems, using Operations and Maintenance data as basis of instruction.

Warranties: Submit warranties required by individual Specification sections in dublicate, assembled in durable binders with a table of contents. The date of commencement of warranties shall be the date of Substantial Completion except as may be modified by AIA Document G–704, Certificate of Substantial Completion, or other written agreement with the Owner. Provide a minimum year warranty for the entire project, except where longer period is called for by manufacturer's standard requirement or per particular Specification section.

(Air Balance Report) The contractor is to provide a certified test and balance for all HVAC systems per AABC or NEBB standards. Submit final report to Architect or Engineer within ten (10) days.

02050 – BUILDING ALTERATIONS

Existing Conditions: Verify requirements for demolition, removals and alterations. Make arrangements with the Owner and visit the site at his convenience. Protect personnel and those portions of the existing building to remain. Leave construction to remain, in as good condition as found. Owner or tenant may occupy protect these spaces and to prevent inconvenience for occupants must be exercised by the Contractor. Maintain and protect egress at all times.

Selective Demolition: Provide all materials, equipment and labor necessary to prepare existing building to receive new work. Demolish or cut existing construction as required for installation of new work. Clean, prepare and refinish sub–surfaces and adjoining surfaces to receive new work. Terminate removal of flooring in straight lines at adjacent areas to remain. Where termination occurs at door openings, center termination under door. Items to be salvaged and reused shall be carefully removed, stored and reinstalled as approved. Clean and refit as required. Remove and legally dispose of all material not indicated or approved for re–use or salvage from site. Mechanical and electrical equipment and fixtures (including light fixtures), doors, door hardware, and other items which are to be salvaged are not to be re–installed shall be carefully removed to prevent damage and turned over to the Owner as directed.

New Construction for Alteration: Provide new construction at existing building for alterations as shown on Drawings and specified. New or altered construction not otherwise specified or shown shall be installed to join with and match existing adjacent construction with matching materials, finishes and construction as approved. Make joints of new and existing construction smooth, even and practically invisible. Where new paint or other finishes are joined, carry to nearest break in surfaces, corner, or other break in construction as required for neat finished appearance. At all locations where penetrations are made under the work of this Contract, provide caulking, patching or otherwise provide for tight closure around such items. At all fire barriers, fill with fire sealant or other approved fire safing insulation as required to maintain fire related assembly. All new work at existing fire walls and other rated construction shall maintain the integrity of the assembly.

Maintenance of Services: Maintain mechanical, electrical and telephone services to adjacent occupied areas at all times, except as approved. Verify chases, panelboards and switchboards servicing the various areas and provide all necessary protection ot maintain service.

See building demolition notes for additional information specific to this project.

07210 – BUILDING INSULATION

Sound batts: ASTM C 665, Type I unfaced glass fiber insulation batts, R–19 (R–38 above ceilings), unless noted otherwise on Drawings. Thermal Insulation: ASTM C 665, Class A Type I unfaced glass fiber batts with R value as indicated on Drawings. Provide fire safing where required to maintain fire rated assembly.

Install per manufacturer's written instructions. Cut and fit insulation material around pipes, conduit, outlet boxes, etc. as necessary to maintain the integrity of the insulation. At exterior walls or perimiter of the conditioned spaces, place insulation between the piping, etc. and exterior wall. Compress the insulation as necessary. Mechanical anchors shall be of the type and size required by the manufacturer for that specific installation. Install faced insulation wherever exposed.

08100 – HOLLOW METAL DOORS AND FRAMES

Submit shop drawings and product information in accordance with Submittals section.

Contractor shall coordinate this work with other door and hardware submittals and verify conditions for installation.

Construct and install to meet requirements of SDI and/or NAMM. Fire doors and frames shall comply with NFPA 80. All steel shall comply with ASTM 366 cold rolled or ASTM 569 hot rolled and have electrostatic zinc–coating meeting ASTM 591, Class A. All steel shal be pre–finished with a factory applied non–lifting, rust–inhibitive gray primer meeting ANSI A224.1 and compatible with field finish specified in Painting section. All rated door and frames to have UL or other approved testing agency label.

Prepare frames and doors to receive mortised type hardware. Spot weld reinforcing plates to inner surface of jambs at hinge, lock, latch and other hardware locations. Hinge reinforcement shall be a minimum of 8 ga. All other hardware reinforcement shall conform to table IV, SDI–100. Coordinate frames and doors with hardware for all required cutouts.

At areas indicated on Drawings and/or Door Schedule provide prefinished steel frames equal to Timely Commercial Series "C", 18 ga. as manufactured by Timely Industries, Los Angeles, California. Color to be selected by Architect from manufacturer's full range of colors.

At areas indicated on Drawings and/or Door Schedule, provide 16 ga. steel frames unless otherwise noted. Provide rated frames where indicated. Construct glazing frames to profiles indicated on Drawings and provide glazing stops, removable one side and integral from the other side, secured with countersunk flat head phillips screws placed at not more than 16" on center and 2" from corners. Miter stops at corners. Provide not less than three 18ga. anchors per jamb, or as shown on Drawings, spaced for maximum stiffness. Provide adjustable 18 ga. floor clips at each jamb, welded to back face of jamb, punched for securing to floor with two spaced anchors.

Doors: SDI–100 Grade II, Model 2, flush seamless steel doors with honeycomb core, 1–3/4" thick. Interior Doors: 18 ga., Exterior Doors: 16 ga., fire rated as required. Provide solid drip cap at all exterior out–swinging doors. Construct doors to profiles indicated and provide glazing in doors as scheduled. Provide non–removable 20 ga. glazing stops on the outside of all exterior doors and the reverse side of interior doors. Glazing beads on the inside of glass panels shall be removable.

08210 – WOOD DOORS

Submit shop drawings and product information in accordance with Submittals section.

Conform to requirements of AWI Quality Standard Section 1300 and 1400 Premium Grade. Fire rated doors shall conform to UL10B and be installed per NFPA 80. Use Type 1 glue for all door construction.

Doors: Refer to Drawings and/or Door Schedule. Flush swinging doors, 1–3/4" thick, sizes and indicated on Drawings. Solid core to be Type I, 32 lbs./cubic foot density, class 1, Commercial STandard 236–66 and Type FD 20 at fire rated doors. Styles and rails to be hardwood with no finger joints. Styles to be 1–1/2" double band laminated. Wood veneer doors to have hardwood styles same species as face veneer with the exception of Birch doors which will have Maple styles. Provide medium density overlay or wood veneer as specified.

1. Medium Density Overlay shall meet PS1–74 and be factory primed, readily sandable, weatherproof and carry a Class "B" fire rating. Paint grade Birch hardwood and hardwood surfaced doors shall not be considered as meeting this Specification.
2. Doors scheduled for stained finish: Hardwood veneer shall be 5 ply, made up of a face veneer, crossbanding and a core unit, all securly bonded together utilizing Type 1, fully waterproof adhesive and the hot press assembly technique. All plies must be placed at right angles to adjacent plies. Face veneers shall have a minimum thickness of 1/50 after factory sanding, and the individual peices of the veneer forming the face veneer must be spliced or edge glued together. Where new doors are scheduled to match existing doors elsewhere in project, they shall match in species, finish, and final appearance.

Door finish to match building standard unless noted or specified elsewhere. Doors shall be hung true and plumb with standard bevel and with uniform 3/32" clearance at jambs and head, and 1/2" bottom clearance, unless otherwise specified – Refer to mecahincal for undercut requirements. Pre–machine doors for finish hardware. Prepare doors to receive finish hardware per AWI Standards and manufacturer's written instructions. Finish shall not be applied until door has been properly prepared and fitted. All hardware shall be removed prior to finishing.

08710 DOOR HARDWARE

Furnish hardware items of proper design, including all necessary accessories, tools and
miscellanious items necessary to complete the installation for heavy use, long life and
compatible materials and finish. Furnish all templates necessary to enable proper and accurate installation.

Furnish minimum hardware as shown on Drawings and/or Door Schedule, and misc. door hardware as
appropriate. Submit hardware schedule and manufacturers information to Architect for review. At
completion of Project, submit Operation and Maintenance Data with parts use, instructions and all
special tools required for proper maintenance of hardware.

All hardware shall comply with Federal and local requirements of the Americans with Disabilities
Act. Fire rated openings shall have hardware complying with NFPA 80, tested and listed by UL for
the application. This requirement takes precedence over other requirements for hardware.

Warranty hardware against defects in materials and workmanship for 2 years. Repair, replace or
otherwise correct deficient materials at no additional cost to the Owner. Provide 5 year warranty on locksets and 10 year warranty on closers.

Finish shall match building standard as required or as otherwise directed by architect.

08800– Glazing

Glass and glazing materials shall provide continuity of building enclosure vapor and air barrier.
Materials and installation shall comply with applicable codes and safety glazing laws. Perform
work in accordance with FGMA Glazing Manual, FGMA Sealant Manual and Laminators Safety Glass
Association– Standards Manual for glazing installation methods. All products shall comply with
ANSI/ASTM E330 & ANSI Z97.1.

Submit manufacturer's instructions and complete description for each type of glass.

Glass materials: Guardian industries, LOF or PPG Industries.

Interior Float Glass: ASTM C1036 Type 1, transparent flat, Class 1 clear, quality Q–3 select, 3/" thick,
minimum.

Safety Glass: ASTM C1048 1048m /ft tempered, Condition A uncoated, Type 1 transparent
flat, Class 1 clear, quality Q–3 Select; conforming to ANSI Z97.1, 3/8" thick minimum.

Mirror Glass: ASTM C1036, Type 1 transparent flat, Class 1 clear, quality Q–1 mirror select.

Diamond Miscowire Glass: FS DD–G–451, Type 1, Class 1, Form 1, mesh M1, minimum 3/8" thick, UL
label.

Provide setting blocks, spacers, glazing compound, etc. as required for a complete installation.
All products to be compatible with installation.

09100– Gypsum Board Systems

Metal studs in non–load bearing walls shall conform to ASTM C645, Studs to be galvanized steel,
C– channel shape with size and gauge as indicated on Drawings and punched for utility access.
Runner channels to be 16 ga. 1–1/1" deep with factory applied rust resistant finish., unless
noted otherwise. Furring and bracing members shall be per schedule cold formed galvanized steel hat
shaped or Z–shaped, plain or knurled face. Fateners per ASTM C840 and manufacturer's
recommendations for height, etc. installation per ASTM C754.
Standard gypsum board shall be 5/8" thick, maximum permissible length, ends square cut, tapered
edges: ASTM C36. Fire rated board shall be Type X, UL rated, 5/8" thick. Water resistant board
shall be 5/8" thick and comply with ASTM C630.

Gypsum board accessories shall comply with ASTM C840. Use the following or equal:
1. Corner beads– Type CB electro–glavanized stell.
2. Adhesive– ASTM C557.
3. Edge Trim– Type L bead electro–galvanized steel and type LC roll formed zinc.
4. Control Joint– USG #093 roll formed zinc.
5. Joint Material– ANSI/ASTM C475m reinforcing tape, joint compound, etc.
6. Screws– ASTM C1002.

Install gypsum board in accordance with ASTM C840, manufacturers written instructions and
recommendations, and applicable specification recommendations of GA–216 and GA–600 as published
by the Gypsum Association. Fire rated GWB shall be installed per requirements of UL rated
assemblies.

Gypsum board shall be finished to level 4 or, if approved, to match adjacent wall

Provide sample of texture for designers approval.

09510– Acoustical Ceilings

Re–work, extend and/or re–arrange existing non–rated suspended metal grid system to conform to
new configuration as shown on Drawings. Provide new products to match existing, as required to
complete installation. Provide new acoustical ceilings as shown on Drawings.

Comply with standards where available. No substitutions to the specifications unless approved by the designer or owner

Install acoustical ceiling systems in accordance with manufacturer's recommendations, ASTM C636,
CISCA installation manual and other applicable code requirements. Provide tight fit between
suspended metal grid/ acoustical panels and top of partition (no gaps) where grid is contious as
shown on Drawings.

Extra Stock: Provide extra ceiling tiles equal to 5% of total area used for each panel type and
color. Clearly identify each box.

09660– RESILIENT FLOORING AND BASE

Conform to applicable codes for flame/fuel/smoke tating requirements in accordance with ASTM E84.

Submit samples of full color range for selesction by Architect. Provide cleaning and maintenace
data in Operation and Maintenance Data at Closeout. Provide 20 s.f. of flooring in each color
and 24 l.f. of base in each color at Closeout.

Composite Tile flooring: per specifications on finish plan. no substutions unless approved by the designer
1. 12" x 12" x 1/8" thick.
Provide finish sealer coat on VCT flooring and stone..

Sheet Vinyl:per finish plan. any substitution must be approved complying with ASTM f1303 Type II, Grade 1.

Base: Equal to Johnsonite,Burke or Roppe and complying with FS SS–W– 40, type 1 4" high (6" high tile at Toilet rooms)
Rooms) x 1/8" thick, style per plan with pre–molded external corners and end stops.

Provide, install, protect and clean per manufacturer's written instructions.

09900– Painting

Submit samples of each type of finish specified and provide product data for each type of finish
specified.
Preparation, application and workmanship shall be in accordance with manufacturer's
recommendations and applicable provisions of Painting and Decorating Contractors of America–
"Painting Specifications Manual" for Type 1, Standard Job and Gypsum Association– GA210. Comply
with all applicable federal andlocal air pollution regulations, lead content laws and current
VOC requirements.

At completion of project, furnish one fresh gallon of each type and color of paint and finish
used on Project. Label all containers.

Provide products from the following manufacturer's: Sherwin Williams,

All materials shall be "top of the line, first quality". Materials selected for coating
systems for each type of surface shall be the products of a single manufacturer. Paint Schedule:
1. Interior CMU.
   1st coat: Black filler without aggregate. Work filler into surface of block,
   2nd coat: Vinyl acrylic wall sealer or as recommnded by manufacturer.
   3rd & 4th coats: 100% Acrylic Enamel, semi–gloss
2. Interior Ferrous materials
   1st coat: White Rust Inhibitive Paint.
   2nd coat: Alkyd Enamel undercoat as recommended by manufacturer.
   3rd coat: 100% Acrylic Enamel, Eggshell.
3. Interior Galvanized Metal.
   Pre–treat: Solvent clean.
   1st coat: 100% Acrylic Metal Primer.
   2nd & 3rd coats: 100% Acrylic Enamel, Eggshell Alkyd Enamel.
4. Gypsum Board A (water resistant)– in Toilet Rooms, Kitchens, Janitor Closet and other wet
locations.
   1st coat: 100% Acrylic Enamel Undercoat.
   2nd & 3rd coats: 100% Acrylic Enamel, semi–gloss
5. Gypsum Board B – Apply to all other areas.
   1st coat: Vinyl Acrylic wall sealer
   2nd & 3rd coats: 100% Acrylic Enamel, Eggshell.
6. Transparent Stain Varnish Finish: Apply to wood doors & other areas indicated.
   1st coat: Semi–transparent wiping stain.
   2nd coat: Polyurethane varnish, satin.
   3rd coat: Polyurethane varnish, satin.

09985 – FIBERGLASS REINFORCED PANELS

FRP wall panels shall be equal to Glasbord–P as manufactured by Kemlite with .09" thickness.
Color to be selected by Architect from manufacturer's full range of colors.
All materials and
installation to comply with local codes and ordinances. Provide all necessary trim, adhesives and
accessories for a complete installation for manufacturer's recommendations.

3 coats of semi–gloss paint shall be installed on walls containing grab bars (corner to corner) if Drawings do not call
for ceramic tile wainscot.

10520 – FIRE PROTECTION SPECIALTIES

Provide fire extinguishers (2a10bc) and cabinets where shown on Drawings and required by codes. Product
shall comply with ANSI/UL 92 & 711 and ANSI/NFPA 10. Ratings of extinguishers to be determined by
the governing agency. Color and type of recessed cabinets (if applicable)
Products shall be equal to building standard or, in lieu of building standard, provide Larsen's
or J.L. Industries. At exposed locations, mount with J–Type hanger. At finished areas, provide cabinets equal to Larsen's #SS2409–R2 with Vertical Duo doors.
Install all items in accordance with manufactureres instructions.

10810 – TOILET ACCESSORIES as notated in plan

Comply with ANSI A117.1, Public Law 101–336 ADA, ADAAG

Toilet accessories shall be equal to Bobrick Washroom Equipment. Install per manufacturer's
written instructions. Provide all backing and any necessary anchors or fasteners needed to
complete the installation.
Provide the following products as indicated on Drawings: (Not all listed items may be appliicable to this Project.)

REFER TO A2 FOR SPECIFICATIONS

single seat cover disp :Bobrick B–3013

12304 – CASEWORK

Comply with AWI Quality Standard Section 1600/1600B, Quality Grade: Custom and AWI Publication
"Architectural Casework Details" for Reval Overlay Modular Casework Design.
Exposed surfaces
shall have High Pressure Plastic Laminate complying with NEMA LD–3.

All cabinet sides, bottoms and tops: constructed with 3/4", 47# density industrial grade particle
board with Kortron on all exposed surfaces. Cabinet Backs: 1/4", 47# density industrial grade
particle board with melamine paper face side. Drawer boxes: constructed with 1/2", 47# density
industrial grade particle board with melamine paper 2 sides and 1/4" melamine bottom. All
exposed surfaces to be covered with .030" high pressure plastic laminate balanced with .020"
cabinet liner.
All counter tops shall be constructed with 3/4", 45# density industrial grade particle board
laminated with post form grade high pressure plastic laminate. Provide fully formed counter tops
with 4" backsplash where sinks are shown.
Furnish and install the following hardware:
1. Standards and brackets for adjustable shelves: Knape and Vogt Mfg., Co. #87 with #187 heavy duty shelf supports

2. Drawer Glides: Knape and Vogt Mfg., Co. #1428–50 lb. full extension. Use #1429–100# full extension on drawers deeper than 6" and/or wider than 20", and #8500–150 lb. full extension on file drawers.

3. HInges for swing doors: Blum #170 degree hinge. Provide middle hinge on all doors over 48" high.
4. Pulls for swing doors and drawers: Stanley Hardware #44831/2.
   Mount as follows:
   a. Wall cabinets: centerline at 4–3/4" up from door bottom, 1–1/2" backset.
   b. Base cabinets: centerline at 4–3/4" down from door top, 1–1/2" backset.
   c. Drawers: centered on drawer face.
5. Cabinet locks: Corbin Lock Co., #0738 x 2540 on drawers, #0737 x 2540 on swing doors.
Master key cabinet locks. Key all locks in each room alike.
6. Magnetic Catches: Stanley #46 for cabinet doors and #45 for full height doors. Mount behind pulls where possible.

7. All hardware to have US26D, brushed chrome finish pulls – HAFELE 115.20.001.
8. Provide shop drawings to fully describe installation. Samples of casework as required by Owner.

No.	REVISIONDESCRIPTION	DATE:	BY:
*	corporate and LL review	11.15.24	*
*			*

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SWTHZ APPROVED

SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake UT 84106

PROJECT: RENOVATION FOR

DRAWN:

DATE: 11.15.24

SCALE: SEE PLAN

JOB NO:

SHEET: D-5

MECHANICAL LEGEND

- FLEXIBLE DUCT
- RETURN/EXHAUST DUCT VERTICAL
- SUPPLY DUCT VERTICAL
- 8"ø — ROUND DUCT
- 10x8 — NEW DUCT (WIDTH X DEPTH)
- FC — FLEXIBLE CONNECTION
- VD — MANUAL VOLUME DAMPER
- SUPPLY — SPIN IN W/ DAMPER & SCOOP
- 14x10 / 10x10 — TRANSITION
- FD — FIRE DAMPER
- CRD — CEILING RADIATION DAMPER
- SIDEWALL SUPPLY DIFFUSER
- SIDEWALL RETURN AIR GRILLE
- SUPPLY DIFFUSER CEILING MOUNTED
- RETURN DIFFUSER/REGISTER
- T — THERMOSTAT
- T_S — THERMOSTATIC SENSOR
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- EF 1 — EQUIPMENT TAG (TYPE IS ON TOP AND NUMBER IDENTIFIER ON BOTTOM)
- A 50 — DIFFUSER TAG (TYPE IS ON TOP AND CFM IS ON BOTTOM)
- SMOKE DUCT DETECTOR

MECHANICAL ABBREVIATIONS

CD	CEILING DIFFUSER
SA	SUPPLY AIR
RA	RETURN AIR
WB	WET BULB
OA	OUTSIDE AIR
LAT	LEAVING AIR TEMPERATURE
EAT	ENTERING AIR TEMPERATURE
E.S.P.	EXTERNAL STATIC PRESSURE (IN W.C.)
WC	WATER COLUMN
EA	EXHAUST AIR
AFF	ABOVE FINISHED FLOOR
DB	DRY BULB
FLR	FLOOR
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
HP	HORSEPOWER
CFM	CUBIC FEET PER MINUTE
MBH	THOUSAND BTU PER HOUR
BTU	BRITISH THERMAL UNIT
EF	EXHAUST FAN
FC	FAN COIL
CU	CONDENSING UNIT
SEER	SEASONAL ENERGY EFFICIENCY RATING
PVC	POLYVINYL CHLORIDE CONDUIT

MECHANICAL NOTES AND SPECIFICATIONS

1. THE CONTRACTOR SHALL PROVIDE A COMPLETE HVAC SYSTEM WHICH INCLUDES ALL LABOR, MATERIALS TOOLS, AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL SYSTEM AND ALL NECESSARY APPURTENANCES CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED OUT.
2. DEVIATION FROM MATERIALS, METHODS AND PROCEDURES SET FORTH HEREIN MUST BE APPROVED IN WRITING. APPROVAL WILL NOT BE GIVEN UNLESS THE PROPOSED SYSTEM IS EQUAL IN PERFORMANCE, DURABILITY LONGEVITY, AND RELIABILITY TO THAT SPECIFIED.
3. ALL INSTALLATIONS SHALL CONFORM TO THE 2021 EDITION OF INTERNATIONAL BUILDING CODE WITH THE LATEST UTAH AMENDMENTS, THE 2021 EDITION OF THE INTERNATIONAL MECHANICAL CODE WITH THE LATEST UTAH AMENDMENTS, THE 2021 EDITION OF THE INTERNATIONAL FUEL GAS CODE WITH THE LATEST UTAH AMENDMENTS, THE 2021 IECC INTERNATIONAL ENERGY CONSERVATION CODE WITH UTAH AMENDMENTS AND NFPA 90A.
4. SUBMISSION OF A BID OR PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS BECOME FAMILIARIZED WITH THE PLANS, SPECIFICATIONS, AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO BIDS FOR MATERIALS AND/OR LABOR DUE TO DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED, UNLESS DIFFICULTIES COULD NOT HAVE BEEN FORESEEN EVEN THOUGH PROPER EXAMINATION HAD BEEN MADE.
5. SHOULD ANY EQUIPMENT FURNISHED BY THE CONTRACTOR DIFFER FROM BASE ITEMS INDICATED OR SPECIFIED HEREIN, WHICH MAY REQUIRE ADDED COST TO THE OTHER TRADES, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASSUME THE COST INVOLVED.
6. UNLESS "APPROVED EQUAL" IS SPECIFICALLY STATED, BIDS SHALL BE BASED ON THE EQUIPMENT NAMED ON DRAWINGS AS "BASE" OR "EQUAL" PRODUCTS.
7. "EQUAL PRODUCT" AND "APPROVED EQUAL" ITEMS LISTED SHALL CONFORM TO SPECIFIED BASE ITEMS AND SHALL BE SUBSTANTIALLY EQUAL IN WEIGHT, CONSTRUCTION, AND CAPACITIES.
8. THE CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS BEFORE FABRICATING OR INSTALLING DUCTWORK OR EQUIPMENT TO AVOID ANY CONFLICTS.
9. ALL DUCT SHALL BE AIRTIGHT, FREE OF LEAKS, MEET ENERGY CODE COMPLIANCE AND SHALL BE INSPECTED FOR LEAKS PRIOR TO INSTALLATION OF FINISHED CEILING SYSTEM.
10. DUCTWORK, DAMPERS, LOUVERS, AND OTHER DISTRIBUTION EQUIPMENT AND MATERIALS SHALL CONFORM TO THE FOLLOWING:

A. ASHRAE/ANSI
B. SBCCI/ASME
C. SMACNA
D. NFPA
E. AMCA STANDARD HANDBOOK 99
F. AIR DIFFUSION COUNCIL TEST CODE 1062R3
G. ANY LOCAL CODES NOT COVERED ABOVE

11. ALL DUCT SIZES ARE CLEAR NET INSIDE DIMENSIONS. WHERE INTERNAL INSULATION IS CALLED FOR, DIMENSIONS SHALL BE INCREASED BY THE THICKNESS OF THE INSULATION.
12. FLEXIBLE DUCTWORK SHALL BE CLASS 1, UL 181 WITH A MINIMUM R VALUE OF R-6, SAME SIZE AS DIFFUSER NECKS. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 48".
13. SHEET METAL SUPPLY, RETURN, & OA DUCTWORK IN NON-AIR CONDITIONED AREAS AND MECHANICAL ROOMS SHALL BE INSULATED WITH 2" THINK FIBERGLASS DUCT INSULATION WITH FOIL VAPOR BARRIER, U.L. ISTED, MINIMUM R-6.
14. ALL LOW PRESSURE ROUND DUCT SHALL BE CONNECTED TO LOW PRESSURE DUCT WITH SPIN-IN FITTINGS WITH 45° EXTRACTOR AND ADJUSTABLE MANUAL DAMPERS.
15. PROGRAMMABLE THERMOSTATS SHALL BE INSTALLED AT 4'-0" AFF
16. THE ENGINEER RESERVES THE RIGHT TO DIRECT THE REMOVAL OF ANY ITEM WHICH, IN HIS OPINION, DOES NOT PRESENT AN ORDERLY AND REASONABLY NEAT OR WORKMANLIKE APPEARANCE. SUCH REMOVAL AND REPLACEMENT SHALL BE DONE WHEN DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE, AND WITHOUT ADDITIONAL COST TO THE OWNER.
17. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
18. ALL REFRIGERANT PIPING SHALL BE COPPER TUBING, TYPE L, HARD DRAWN, ASTM B88-1988a, LONG RADIUS FITTINGS AND BRAZED JOINTS. JOINTS SHALL NOT BE LOCATED WITHIN WALLS OR OTHER CONCEALED SPACES.
19. ALL REFRIGERANT PIPING TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. ALL SUCTION LINES SHALL BE INSULATED WITH SEAMLESS CLOSED CELL ELASTOMERIC INSULATION, 3/4" THINK MINIMUM.
20. THE ENTIRE REFRIGERANT PIPING SYSTEM SHALL COMPLY WITH ANSI/ASHRAE STANDARD 15.
21. ALL INSULATING MATERIALS SHALL HAVE A COMPOSITE FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50 (ASTM E-84, NFPA 255 & UL 723).
22. PROVIDE FLEXIBLE CONNECTION WHERE DUCT CONNECTS TO AIR CONDITIONER OR FURNACE.
23. ALL PIPE PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE FULLY SEALED AND FIRE CAULKED WITH UL LISTED SEALANT. ALL PIPE PENETRATIONS SHALL CONFORM WITH APPROPRIATE FIRE RATED ASSEMBLY METHOD AS PER 2005 U.L. FIRE RESISTANCE DIRECTORY AND LOCAL AHJ.
24. BALANCE ALL AIR SYSTEMS TO ACHIEVE THE VOLUME AND QUANTITIES SHOWN ON THE DRAWINGS OR SPECIFIED.
25. SUPPORT ALL DUCTWORK FROM STRUCTURE ABOVE TO LIMIT SAG OF ½" PER FOOT BETWEEN BRACING.
26. COORDINATE ALL CEILING DIFFUSERS IN CEILINGS WITH LIGHTING FIXTURES, SPRINKLER HEADS, ETC.
27. ALL MECHANICAL EQUIPMENT AND CONTROLS SHALL BE LABELED FOR FUNCTION AND IDENTIFICATION.
28. PRIOR TO PURCHASE OF ANY EQUIPMENT, CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH EQUIPMENT WITH ELECTRICAL CONTRACTOR.
29. CONTROLS AND CONTROL WIRING REQUIRED FOR MECHANICAL SYSTEM SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
30. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY THE OWNER.
31. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.

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1	corporate and LL review	11.15.24	*

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REGISTERED PROFESSIONAL ENGINEER
No. 14194328-2202
CRAWFORD MURPHY
STATE OF UTAH

SWTHZ APPROVED

SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake City, UT 84106

PROJECT: RENOVATION FOR

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: M-0

ROOFTOP UNIT SCHEDULE - HEAT PUMP

MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	OUTSIDE AIR (CFM)	AMBIENT (OAT)	EXT. SP (IN. W.C.)	DX COOLING COIL			HEATING					ELECTRICAL				APPROXIMATE WEIGHT LBS	REMARKS
							EAT (DB/WB)	TOTAL (MBH)	SENSIBLE (MBH)	FUEL	HIGH (MBH)	LOW (MBH)	HSPF	INPUT KW (@240V)	V , PH , HZ HP	MCA	MOCP	EER (SEER2)		
RTU-1	TRANE	WSC048 (4 TON)	1600	500	95	0.75	80/67	45	34.9	ELEC	42.7	24.3	8.2	5.0	208/3/60 STD			(13.4)	850	1-3, 5-9
RTU-2	TRANE	WSC048 (4 TON)	1600	500	95	0.75	80/67	45	34.9	ELEC	42.7	24.3	8.2	5.0	208/3/60 STD			(13.4)	850	1-3, 5-9

NOTES:

1. HEAT PUMP UNITS.
2. CONTRACTOR IS TO PROVIDE 2" TOOL-LESS FILTER RACK.
3. PROVIDE MANUFACTURERS STANDARD ENTHALPY CONTROLLED ECONOMIZER DAMPER SECTION WITH BAROMETRIC RELIEF.
4. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT, WITH AUTO CHANGEOVER AND REMOTE TEMPERATURE SENSOR.
5. PROVIDE WITH SUPPLY/RETURN AIR SMOKE DUCT DETECTORS
6. PROVIDE AND INSTALL HEAT PACKAGE KIT, SIZED AS SHOWN. HEAT SHALL BE 208V/3PHASE
7. SUPPLEMENTAL HEAT SHALL HAVE CONTROLS THAT, EXCEPT FOR DEFROST CYCLE, PREVENT OPERATION WHEN HEAT PUMP CAN MEET HEATING DEMAND.
8. INSTALL RELIATEL CONTROLS FOR LOW AMBIENT COOLING APPLICATION.
9. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT/HUMIDISTAT, WITH AUTO CHANGEOVER AND REMOTE TEMPERATURE/HUMIDITY SENSOR.

AIR BALANCE SCHEDULE

HVAC UNIT	OUTSIDE AIR CFM	RETURN AIR CFM	SUPPLY AIR CFM	EXHAUST AIR CFM	PRESSURE
RTU-1	600	1000	1600	–	+600
RTU-2	600	1000	1600	–	+600
EF-1	–			1000	-1000
TOTALS	1200	2000	3200	1000	+200

DIFFUSER, GRILLE & REGISTER SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	NECK SIZE (L" x W")	FACE SIZE (L" x W")	FRAME TYPE	NC	REMARKS
A	TITUS	TMSA	LOUVERED SUPPLY DIFFUSER	PER PLAN	24"x24"	SURFACE	<30	MATCH CEILING COLOR
B	TITUS	SCD	LOUVERED SUPPLY DIFFUSER	PER PLAN	12"x12"	LAY-IN	<30	MATCH CEILING COLOR
R-1	TITUS	50F	CEILING RETURN GRILLE	PER PLAN	24"x24"	LAY-IN	<30	MATCH CEILING COLOR
E-1	PRICE	MSL	CEILING EXHAUST GRILLE	PER PLAN	8"x8"	SURFACE	<30	MATCH CEILING COLOR
E-2	PRICE	MSL	CEILING EXHAUST GRILLE	PER PLAN	24"x24"	SURFACE	<30	MATCH CEILING COLOR

OUTSIDE AIR CALCULATIONS

SPACE DESCRIPTION	Az AREA (FT^2)	VARIABLES FROM IMC TABLE 403.3				EXHAUST RATES (CFM/SF*)	EXHAUST TOTAL CFM	OUTSIDE AIR REQUIRED (CFM)
		Pz OCCUPANCY CATEGORY DENSITY AREA	Rp (CFM/PERSON*)	Ra (CFM/SF*)	DEFAULT OCCUPANCY DENSITY			
CT SUITE 1	145	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	3.6	0.6	87	91
CT SUITE 2	142	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	3.6	0.6	85	89
CT SUITE 3	142	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	3.6	0.6	85	89
CT SUITE 4	142	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	3.6	0.6	85	89
CT SUITE 5	142	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	3.6	0.6	85	89
CT SUITE 6	127	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	3.2	0.6	76	80
CT SUITE 7	127	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	3.2	0.6	76	80
CT SUITE 8	127	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	3.2	0.6	76	80
CT SUITE 9	169	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	4.2	0.6	101	106
BEAUTY BAR	102	SPECIALTY SHOPS/BEAUTY SALONS	20	0.12	2.5	0.6	61	64
LOBBY	178	GENERAL-SALES FLOOR	7.5	0.06	9	–	–	20
HALL	252	GENERAL – CORRIDORS	–	0.06	–	–	–	16
UTILITY/WORKROOM	216	WORKROOMS	5.0	0.12	11	–	–	37
RESTROOMS	49	RESTROOMS	–	–	–	70 EACH	70	–
						TOTAL	887	930

UNCORRECTED OUTSIDE AIR REQUIRED CFM	VENTILATION EFFECTIVENESS Ez	CORRECTED OUTSIDE AIR REQUIRED CFM	OUTSIDE AIR PROVIDED CFM			EXHAUST REQUIRED	EXHAUST PROVIDED	
930	0.8	1163	1200			887	1000	

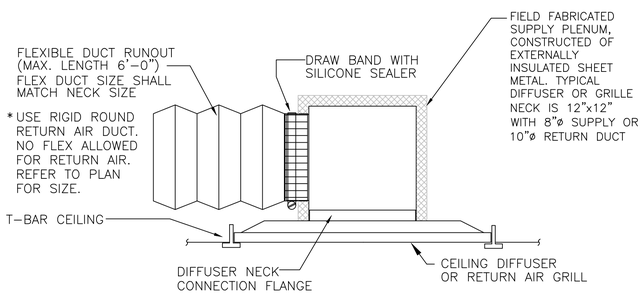
NOTES:
1. INFORMATION TAKEN FROM TABLE 403.3, "MINIMUM VENTILATION RATES", INTERNATIONAL MECHANICAL CODE 2021

FAN SCHEDULE

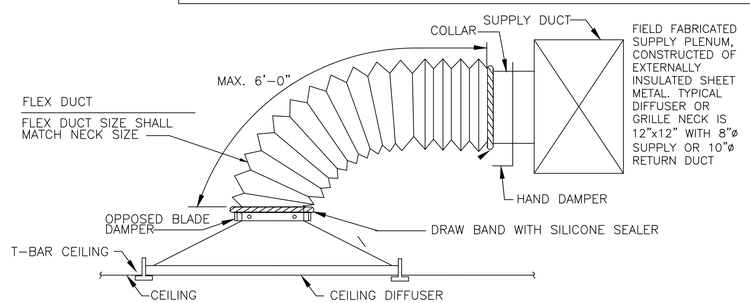
MARK	AREA SERVED	MANUFACTURER	MODEL	TYPE	CFM	ESP	FAN		MOTOR		REMARKS
							FRPM	DRIVE	HP OR (W)	ELECTRICAL	
EF-1	ROOMS	GREENHECK	BDF-150	INLINE	1000	.75"	1072	DIRECT	3/4	208/1/60	1,4,7

REMARKS:
1. SUPPORT FROM STRUCTURE. ISOLATE FAN FROM STRUCTURE AND ASSOCIATED DUCTWORK.
2. PROVIDE WITH VARIABLE SPEED CONTROLLER.
3. PROVIDE WITH BACKDRAFT DAMPER.
4. PROVIDE WITH DISCONNECT SWITCH OR PLUG.
5. FAN CONTROLLED VIA LIGHT SWITCH. PROVIDED BY ELECTRICAL.
6. SIDEWALL MOUNTED AND CONNECTED TO HOOD.
7. PROVIDE WITH WALL CAP. SEE DETAIL.
8. EXISTING, PROVIDE SHOWN WHERE NEEDED TO REPLACE.

NOTES:
1. APPROVED EQUALS: ACME, PENN, GREENHECK.



1 M-1 DIFFUSER PLENUM DETAIL
SCALE: NO SCALE



3 M-1 DUCT/DIFFUSER PLENUM DETAIL
SCALE: NO SCALE

M-1 6-Dec-24

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REGISTERED PROFESSIONAL ENGINEER
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CRAWFORD MURPHY
STATE OF UTAH

SWTHZ APPROVED

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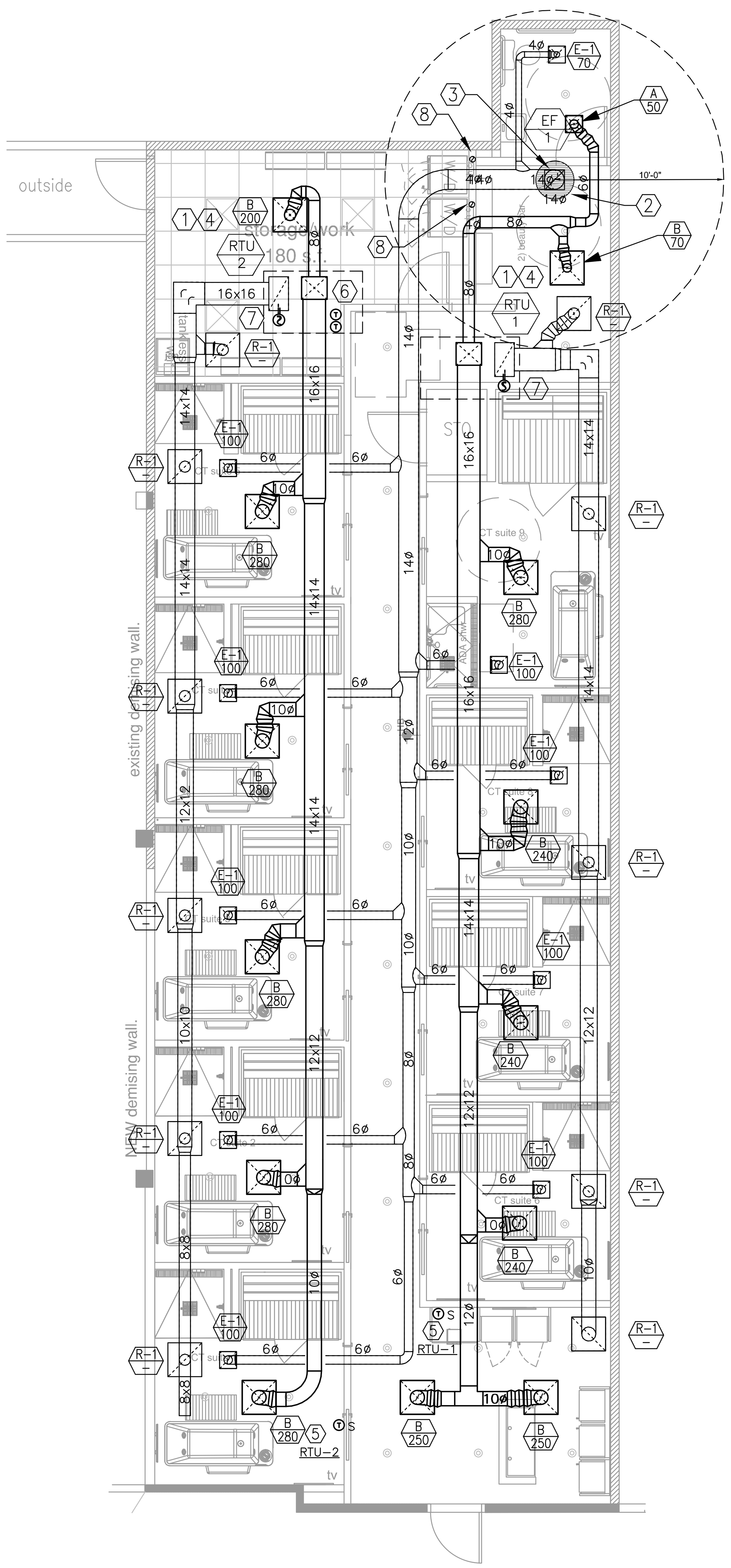
SHEET: M-1

HVAC GENERAL NOTES

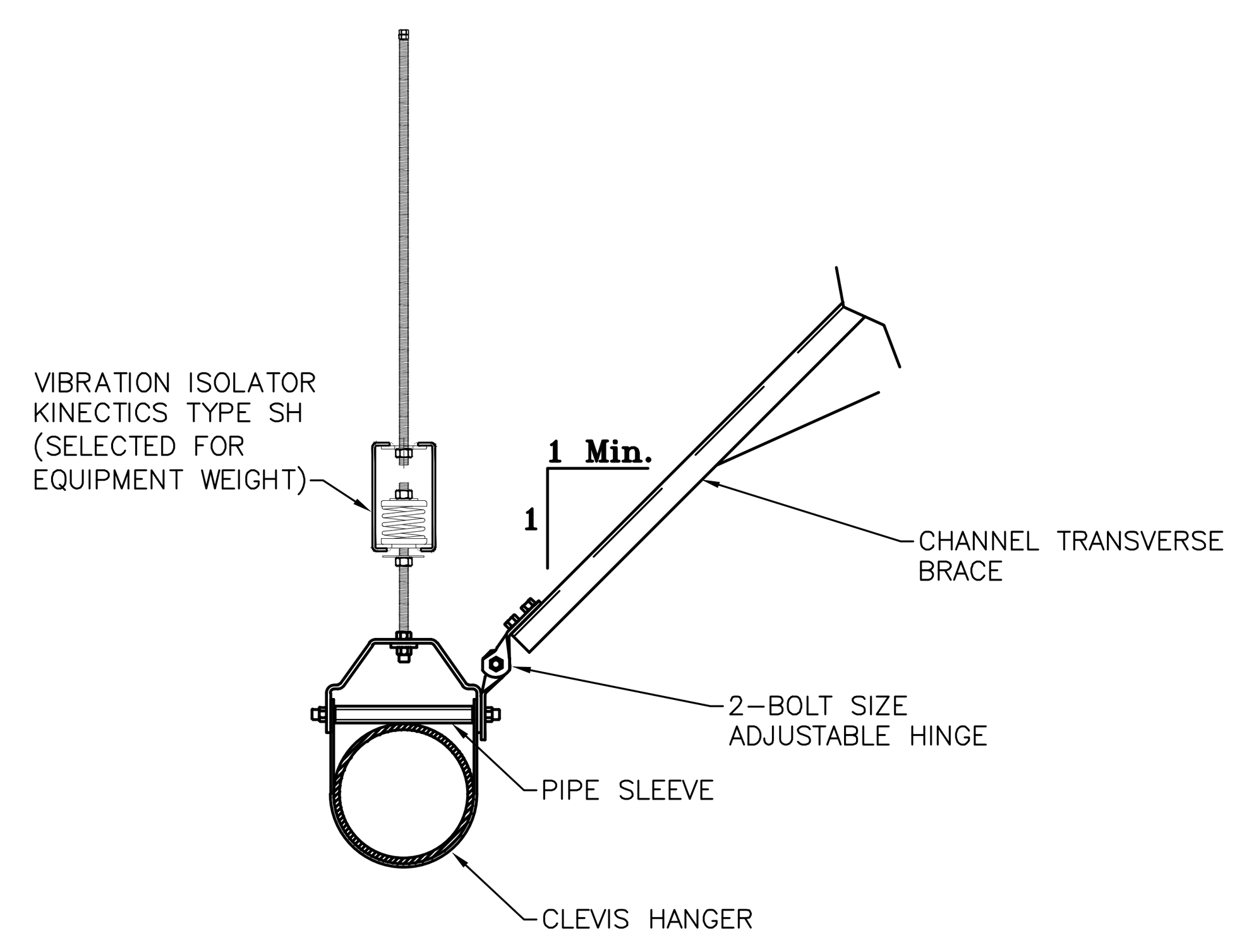
1. SEE SHEET M-0 FOR SPECIFICATIONS AND LEGEND.
2. SEE SHEET M-1 FOR SCHEDULES.
3. CONTRACTOR SHALL PROVIDE BALANCE DAMPERS FOR EACH AIR DEVICE.
4. ALL SUPPLY AND DUCT PLENUMS FROM ROOFTOP UNITS SHALL BE INSULATED INSIDE FOR SOUND.
5. MAINTAIN 10'-0" CLEARANCES BETWEEN AIR INTAKES ON ROOF AND ALL EXHAUST OUTLETS.

HVAC KEY NOTES

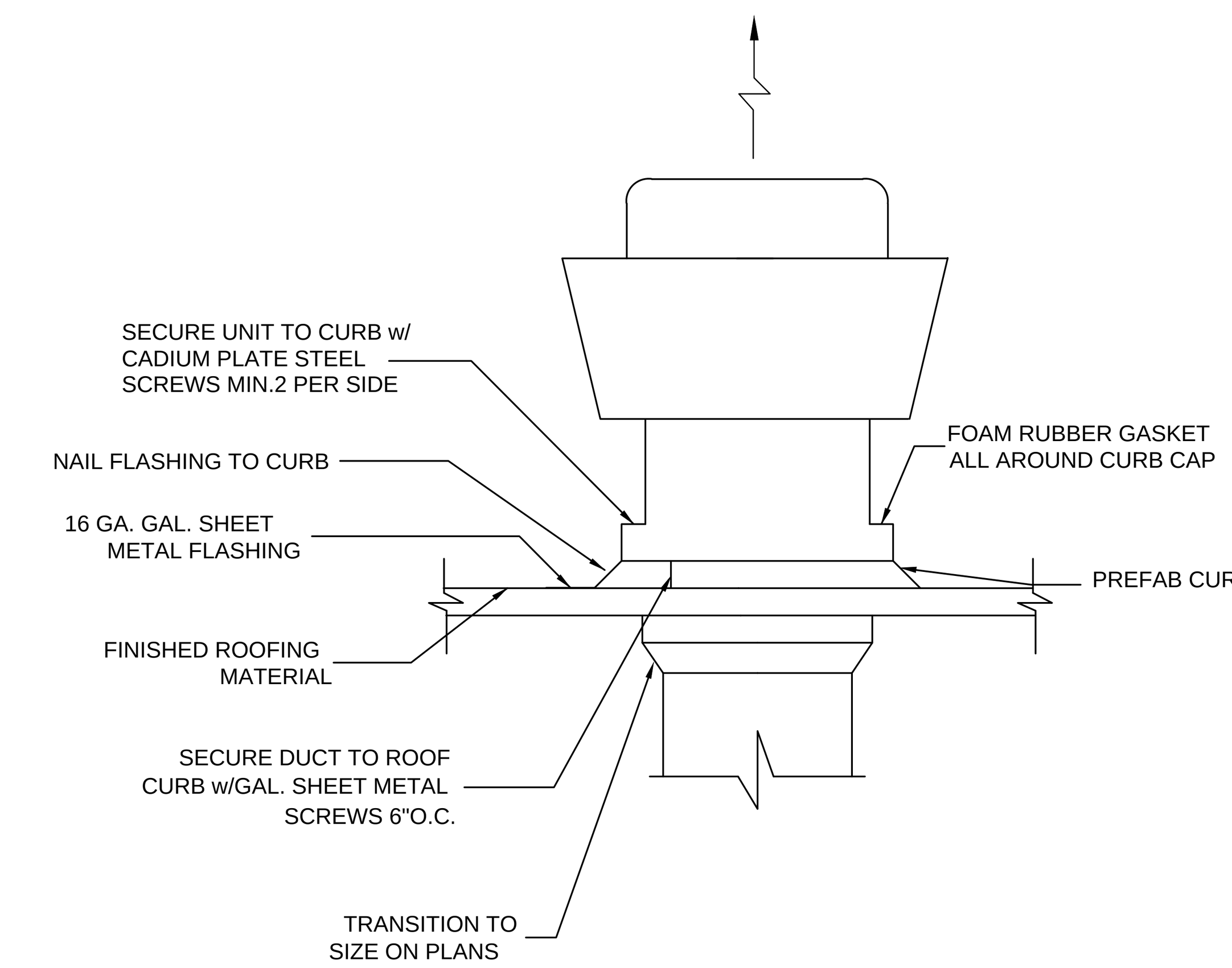
1	DUCTS DOWN FROM RTU. MAKE FINAL CONNECTIONS AS SHOWN.
2	ROOF MOUNTED EXHAUST CAP AND CURB. ENSURE FAN CAP IS NO LESS THAN 10'-0" FROM OUTSIDE AIR INTAKE FOR RTU-1, & 2 OR ANY OTHER FRESH AIR INTAKE.
3	EXHAUST DUCT DOWN FROM FAN CAP ABOVE. SEE DETAIL ON DRAWING SHEET M-2.
4	ROOF MOUNTED UNIT (RTU), ADJUST OUTSIDE AIR; INSTALL SUPPLEMENTAL STRIP ELECTRIC HEAT PACKAGE OR DUCT HEATER; INSTALL ECONCOMIZER AS SHOWN ON SCHEDULE SHEET M-1.
5	SENSOR FOR REMOTE THERMOSTAT LOCATED IN MANAGER'S AREA.
6	CONTRACTOR SHALL PROVIDE PROGRAMMABLE T'STAT. MOUNT AT 48" AFF. VERIFY LOCATION WITH OWNERS FIELD REPRESENTATIVE.
7	PROVIDE SMOKE DETECTORS IN RETURN AIR STREAM FOR AUTOMATIC RTU SHUT DOWN. SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. FINAL CONNECTION TO BE BY ELECTRICAL CONTRACTOR.
8	PROVIDE "THE DRYER BOX" MODEL 425 RECESSED DRYER VENT BOX SET AS LOW AS POSSIBLE IN WALL. EXTEND 4"ø UP CEILING/ROOF AND PROVIDE WITH CAP AND BACKDRAFT DAMPER. DUCT JOINTS SHALL BE ASSEMBLED WITH POP RIVETS (NO SHEET METAL SCREWS PENETRATING DUCT). JOINTS SHALL BE SEALED WITH NON-COMBUSTIBLE MATERIAL.
9	
10	
11	
12	



1 / M-2 FLOOR PLAN - HVAC
3/16" = 1'-0"

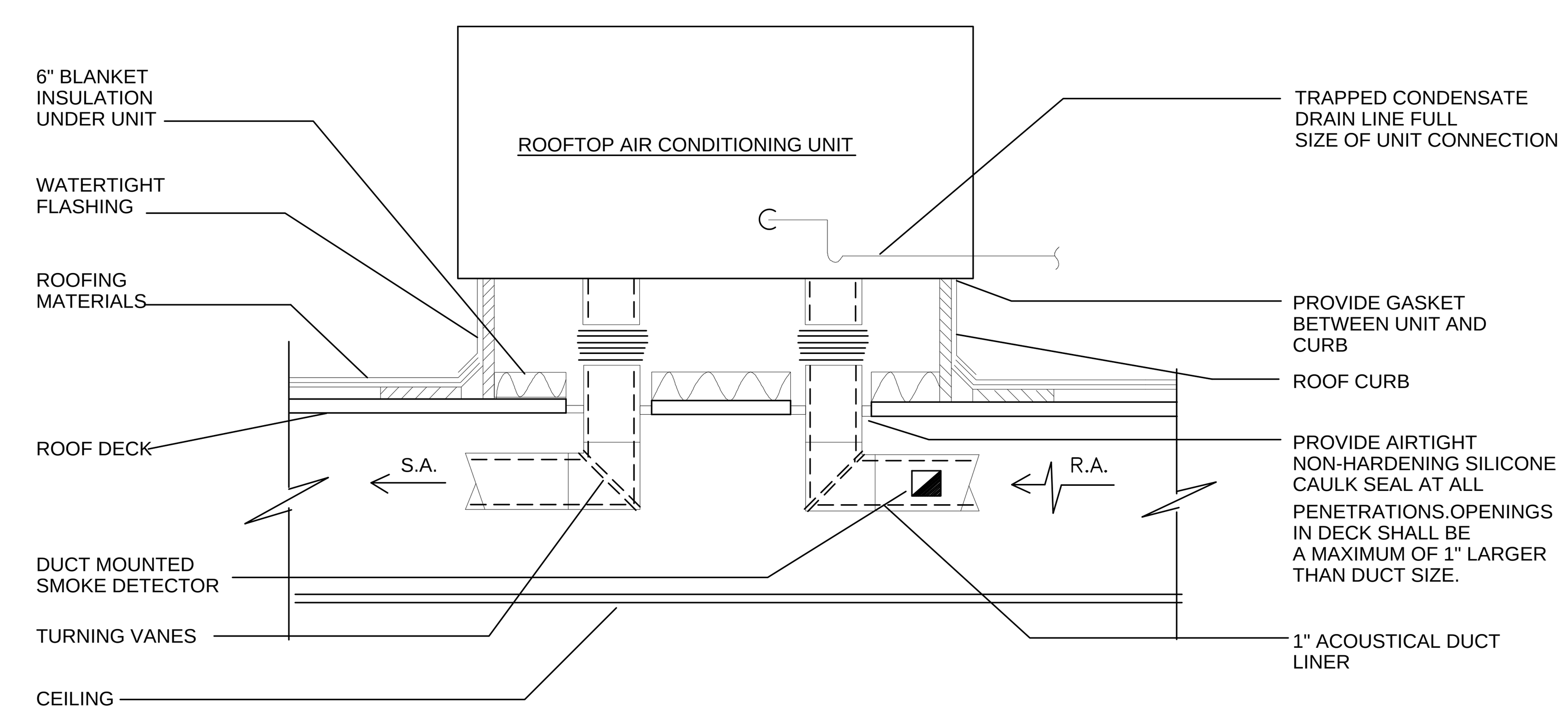


2 / M-2 PIPING SUPPORT DETAIL
NO SCALE



3 / M-2 EXHAUST FAN DETAIL
NO SCALE

NOTES:
1. COORDINATE EXACT LOCATOINS WITH LANDLORD AND HIS STRUCTURAL ENGINEER.
2. MAINTAIN 10'-0" CLEARANCES BETWEEN AIR INTAKES ON ROOF AND ALL EXHAUST OUTLETS.



4 / M-2 ROOFTOP UNIT DETAIL
NO SCALE

NOTES:
1. COORDINATE EXACT LOCATOINS WITH LANDLORD AND HIS STRUCTURAL ENGINEER.

No.	REVISION/DESCRIPTION	DATE:	BY:
1	corporate and LL review	11.15.24	
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REGISTERED PROFESSIONAL ENGINEER No. 14194328-2202 CRAWFORD MURPHY STATE OF UTAH

LEGACY FRANCHISE SWTHZ APPROVED CONCEPTS CONSTR.

PROJECT: RENOVATION FOR
SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake City, UT 84106

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: M-2

M-2 6-Dec-24

PLUMBING NOTES AND SPECIFICATIONS

1. THE CONTRACTOR SHALL PROVIDE A COMPLETE PLUMBING SYSTEM TO INCLUDE ALL LABOR, MATERIALS TOOLS, AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL SYSTEM INCLUDING ALL NECESSARY APPURTENANCES CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED OUT.
2. DEVIATION FROM MATERIALS, METHODS AND PROCEDURES SET FORTH HEREIN MUST BE APPROVED IN WRITING. APPROVAL WILL NOT BE GIVEN UNLESS THE PROPOSED SYSTEM IS EQUAL IN PERFORMANCE, DURABILITY LONGEVITY, AND RELIABILITY TO THAT SPECIFIED.
3. ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2021 INTERNATIONAL PLUMBING CODE UTAH EDITION AND ALL APPLICABLE LOCAL AMENDMENTS.
4. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES, LAWS AND ORDINANCES.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME THOROUGHLY FAMILIARIZED WITH ALL DETAILS OF THE WORK AND THE CONDITIONS AND SHALL VERIFY DIMENSIONS AND CLEARANCES AND BE ASSURED THAT THE EQUIPMENT PURCHASED WILL FIT INTO THE AVAILABLE SPACE.
6. SUBMISSION OF A BID OR PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS BECOME FAMILIARIZED WITH THE PLANS, SPECIFICATIONS, AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO BIDS FOR MATERIALS AND/OR LABOR DUE TO DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED, UNLESS DIFFICULTIES COULD NOT HAVE BEEN FORESEEN EVEN THOUGH PROPER EXAMINATION HAD BEEN MADE.
7. FURNISH AND INSTALL ALL SYSTEMS OF SOIL, WASTE, AND VENT PIPING, HOT AND COLD WATER PIPING, AND DRAINAGE PIPING INCLUDING ALL FITTINGS, VALVES, ETC. AS REQUIRED.
8. FURNISH, UNLESS OTHERWISE NOTED ON ARCHITECTURAL PLANS, AND INSTALL ALL PLUMBING FIXTURES AND EQUIPMENT AS SHOWN ON THE DRAWINGS. INSTALL ALL OWNER PROVIDED EQUIPMENT.
9. ALL PLUMBING WORK SHALL BE DONE UNDER THE SUPERVISION OF AND BY LICENSED AND QUALIFIED PLUMBERS PER ALL LOCAL, STATE, AND NATIONAL CODES AND TO THE COMPLETE SATISFACTION OF THE LOCAL PLUMBING INSPECTOR.
10. ALL MATERIALS SHALL BE NEW, CLEAN, AND WITHOUT DEFECTS. ANY DEFECTIVE MATERIALS SHALL BE REMOVED FROM THE JOB SITE.
11. ALL PLUMBING PIPE SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE AND ABOVE DROP CEILINGS.
12. ALL HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE COPPER TYPE 'L' HARD COPPER CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND CAST OR WROUGHT FITTINGS. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER, J.W. HARRIS "BRIDGIT" OR EQUAL. DOMESTIC WATER SERVICE PIPING BELOW GRADE SHALL BE TYPE 'K' COPPER TUBING WITH CAST OR WROUGHT FITTINGS AND SOLDERED JOINTS. DOMESTIC WATER BRANCH PIPING BELOW GRADE THROUGH CONCRETE SHALL BE PROTECTED WITH PLASTIC SLEEVES.
13. FIRST 8FT. OF HOT WATER PIPING FROM THE WATER HEATER SHALL BE INSULATED WITH 1/2" THICK PRE-FORMED FOAM PIPE INSULATION, IMCOLOCK OR EQUAL.
14. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
15. WATER PIPING ROUTED IN EXTERIOR WALLS SHALL BE ROUTED ON THE HEATED SIDE (INSIDE) OF WALL INSULATION.
16. SUPPORT ALL PIPING ADEQUATELY FROM STRUCTURE WITH SPLIT RING HANGERS.
17. COLD WATER PIPING IN UNCONDITIONED SPACES AND ALL HOT WATER PIPING SHALL BE INSULATED WITH 1/2" THICK PRE-FORMED FOAM PIPE INSULATION, IMCOLOCK OR EQUAL. INSULATE FITTINGS WITH MITERED SECTIONS.
18. SANITARY, WASTE AND VENT PIPING ABOVE GRADE SHALL BE HUBLESS CAST IRON WITH STAINLESS STEEL AND NEOPRENE COUPLINGS. SANITARY, WASTE AND VENT BELOW GRADE SHALL BE ASTM D2665-81 PVC SCHEDULE 40 DWV PIPE AND FITTINGS WITH SOLVENT CEMENT JOINTS. PVC PIPING SHALL NOT BE LOCATED IN RETURN AIR PLENUM SPACES.
19. SANITARY AND DRAINAGE PIPING 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM, PIPING 3" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM.
20. CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS AT EACH CHANGE OF DIRECTION AND AT THE LOWEST LEVEL OF ALL SANITARY AND WASTE STACKS. CLEANOUTS SHALL BE PLACED IN READILY ACCESSIBLE LOCATIONS.
21. TOPS OF ALL FLOOR DRAINS AND CLEAN OUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
22. PROVIDE VALVES IN DOMESTIC WATER SYSTEM TO CUT-OFF WATER SERVICE MAIN INSIDE THE BUILDING, AT EACH WALL HYDRANT, AND TO ISOLATE EACH FIXTURE IN THE BUILDING.
23. PLUMBING PIPING SHALL NOT BE INSTALLED IN ELECTRICAL ROOMS OR CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PIPING SERVING THAT SPECIFIC ROOM.
24. LOCATE ALL SECTIONAL OR MAIN CONTROL VALVES WITHIN 1'-0" OF ACCESS PANELS, CEILING TILES OR OTHER POINTS OF ACCESS.
25. INSULATE ALL EXPOSED PIPING UNDER HANDICAPPED LAVATORIES WITH TRU-BRO, HANDI-LAV GUARD MODELS 102 AND 105 INSULATION KITS OR EQUAL.
26. ALL EXPOSED PIPING PENETRATING CEILINGS OR WALLS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
27. PROVIDE WATER HAMMER ARRESTORS SIZED PER PDI SPECIFICATIONS ON ALL DOMESTIC WATER LINES SERVING FLUSH VALVE FIXTURES, WASHING MACHINE SUPPLIES, PRV STATIONS AND OTHER INSTALLATIONS WITH QUICK CLOSING VALVES. WATER HAMMER ARRESTORS SHALL CONFORM WITH ASSE1010.
28. PROVIDE A MANUFACTURED EXPANSION DEVICE OR FABRICATED EXPANSION LOOP ON ALL PIPING SYSTEMS CROSSING BUILDING EXPANSION JOINTS.
29. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
30. ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL RATING. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/STRIP, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
31. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
32. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE.
33. UPON COMPLETION OF THE WORK, TEST ALL PIPING SYSTEMS.

A. DOMESTIC WATER MUST PASS 8 HR, 150 PSI HYDROSTATIC TEST WITHOUT LOSS OF PRESSURE.

B. DRAINAGE SYSTEMS – PLUG LOWER POINTS OF SYSTEM AND FILL WITH WATER TO UPPERMOST OUTLET UP TO 12 FEET HIGH, WHICHEVER IS LOWER. LET SYSTEM STAND FULL OF WATER WITH NO INDICATIONS OF LEAKS.

34. PERFORM CORING, CUTTING, FITTING REPAIRING AND FINISHING OF THE WORK NECESSARY FOR THE INSTALLATION OF THE EQUIPMENT ON THIS PROJECT. HOWEVER, NO CUTTING OF THE WORK OF OTHER TRADES OR OF ANY STRUCTURAL MEMBER SHALL BE DONE WITHOUT THE EXPLICIT WRITTEN CONSENT OF THE ARCHITECT AND PROPERTY MANAGER. PROPERLY FILL, SEAL, FIREPROOF AND WATERPROOF ALL OPENINGS, SLEEVES, AND HOLES IN SLABS. FURNISH AND INSTALL ALL REQUIRED SLEEVES AND INSERTS.
35. ALL FLOOR PENETRATIONS THROUGH CONCRETE SLABS SHALL BE CORE-BORED OR SAWCUT, SLEEVED, SEALED, FIRESTOPPED AND WATERPROOFED. ALL PIPING SLEEVES SHALL EXTEND A MINIMUM OF 4" ABOVE FINISHED FLOOR.

PLUMBING LEGEND

—·—·—	COLD WATER PIPING
—·—·—	HOT WATER PIPING
—·—·—	HOT WATER RECIRCULATION PIPING
—SN—	SANITARY/WASTE PIPING
—GW—	GREASE WASTE PIPING
------	VENT PIPING
—GAS—	GAS PIPING
	UNION
	CLEANOUT
	GATE/BALL VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	WATER HAMMER ARRESTOR
	PIPE TURNED DOWN
	PIPE TURNED UP
	CONNECT TO EXISTING

A/C	ABOVE CEILING
A/F	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
B/C	BELOW CEILING
B/F	BELOW FLOOR
B/G	BELOW GRADE
CV	CHECK VALVE
CO	CLEANOUT
CW	COLD WATER
DN	DOWN
EWH	ELECTRIC WATER HEATER
EX	EXISTING
FCO	FLOOR CLEANOUT
GV	GATE VALVE
HC	HANDICAPPED
HD	HUB DRAIN
HW	HOT WATER
LAV	LAVATORY
O/H	OVERHEAD
PRV	PRESSURE REDUCING VALVE
SAN	SANITARY
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER	MODEL NO.	DESCRIPTION	PIPE SIZES				
					COLD	HOT	TEMPER	WASTE	VENT
WC	WATER CLOSET	KOHLER	K-30810-0	STANDARD (#01 COTTON) ELONGATED TWO-PIECE TOILET SYSTEM WITH PRESSURE ASSIST TANK AND 1.0 GPF FLUSH. ADA COMPLIANT. WITH CERAMIC GLAZE, CHROME TRIP LEVER LOCATED ON APPROACH SIDE. COMMERCIAL OPEN FRONT SEAT.	1/2"	–	–	4"	2"
LAV	LAVATORY	KOHLER	K-2084-0	20" X 18" WALL MOUNTED, VITREOUS WHITE CHINA. PROVIDE WITH WALL HANGERS, ADA TRAP, STOP AND SUPPLY PROTECTORS. PROVIDE WITH KOHLER TAUT MODEL K-46028-4 CHROME FAUCET WITH WRIST BLADE HANDLES, 0.5 GPM AERATORS, DRAIN, STRAINER. PROVIDE WITH TRUBRO ADA PROTECTORS	1/2"	–	1/2"	1-1/2"	1-1/2"
WH-1 WH-2	WATER HEATER	STATE	SCT-199I-N	INSTANTANEOUS TANKLESS WATER HEATER, CONDENSING, 199,000 BTUH NATURAL GAS., 26.1 GPM @80 DEGREE RISE. DIRECT VENT TO EXTERIOR. (5"). 6 YR LIMITED WARRANTY ON THE HEAT EXCHANGERS, 5 YR WARRANTY ON PARTS AND 1 YR WARRANTY ON LABOR.	3/4"	3/4"	–	–	–
MS	MOP SINK	FIAT	FL-1	22" X 21-1/2" X 14" FLOOR MOUNTED, MOLDED FIBERGLASS SINK WITH FAUCET LEDGE AND ENAMEL STEEL LEGS.	–	–	–	2"	1-1/2"
	FAUCET	MOEN	JOLT 2-30619	4" CENTERED FAUCET WITH LEVER HANDLES AND VANDAL PROOF AERATOR.	3/4"	3/4"	–		
	TRIM	MCQUIRE	JOLT 2-30619	#2165CCLK LOOSE KEY ANGLE STOP VALVES WITH RISERS AND ESCUTHCHEONS. #B8912CF 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE 1-1/2" X 1-1/2" P-TRAP WITH CLEANOUT AND ESCUTCHEON. INSTALL "WCO" UNDERNEATH WASTE CONNECTION.					
WCO	WALL CLEANOUT	JOSAM	5871D0.20 (OR EQUAL)	CAST IRON CAULKING FERRULE WITH BRASS RAISED HEAD PLUG, POLISHED NICKALLOY OR STAINLESS STEEL COVERPLATE, SECURED WITH SCREW. SPIGOT CONNECTION SIZE AS INDICATED ON PLANS.					
FD	FLOOR DRAIN	JOSAM	SERIES 3000-S-Z	CAST IRON BODY, ADJUSTABLE ROUND SATIN NICKALOY STRAINER, INSIDE CAULK. PROVIDE W/ TRAP PRIMER CONNECTION.				3"	
SHR	SHOWER	KOHLER	K-26148-BL (FAUCET)	VALVE WITH STYLE: HONESTY. SHOWER HEAD SQUARE RAIN HEAD, STANDARD SHOWER DRAIN, SH927531-F. FAUCET SHALL BE IMPOLISHED CHROME FINISH. SCALD PROOF MODEL PRESSURE BALANCED MULTICHOICE MIXING VALVE, ADA AND WATER SENSE COMPLIANT.	1/2"	–	1/2"	2"	1-1/2"
SHR-H	SHOWER	KOHLER	K-26148-BL (FAUCET)	VALVE WITH STYLE: HONESTY. SHOWER HEAD SQUARE RAIN HEAD, CARMEN 60" 304 STAINLESS STEEL SHOWER DRAIN, SH927531-F. FAUCET SHALL BE IMPOLISHED CHROME FINISH. SCALD PROOF MODEL PRESSURE BALANCED MULTICHOICE MIXING VALVE, ADA AND WATER SENSE COMPLIANT.	1/2"	–	1/2"	2"	1-1/2"
HB	HOSE BIBB	BRADLEY	S86-120	SINGLE VALVE RECESSED HOSE BOX. SCREWDRIVER STOP, 3/4" HOSE CONNECTION VACUUM BREAKER, STAND-OFF BRACKET KEEPS VALVE SECURELY IN PLACE.	1/2"	–	–	–	–
WMB	WASHING MACHINE BOX	SIOUX CHIEF	#696G 23303	OXBOX WASHING MACHINE OUTLET BOX WITH WATER HAMMER ARRESTORS.	1/2"	–	–	–	–
TP	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	PRIME-RITE (OR EQUAL)	1/2" INLET AND OUTLET CONNECTIONS WITH DISTRIBUTION UNIT TO SERVE UP TO 4 FLOOR DRAINS. INSTALL TRAP PRIMER IN AN ACCESSIBLE LOCATION WITH TRAP PRIMER MOUNTED 12" ABOVE FINISHED FLOOR FOR EVERY 20 FEET OF PRIMER LINE.PROVIDE WITH LOCKING ACCESS DOOR IN WALL.					
TMV-1	THERMOSTATIC MIXING VALVE	ZURN	38-ZW3870XLT	½ INCH INLETS AND OUTLET, THERMOSTATIC CONTROLLER WITH SEPARATE CHECK STOPS, STAINLESS STEEL CONTROL COMPONENTS. SET TEMPERATURE AT 110 DEG. F. MOUNT IN ACCESSIBLE LOCATION. MINIMUM FLOW RATE OF 2 GPM.					
TD	TRENCH DRAIN	SIGNATURE HARDWARE	–	EFFENDI 24" LINEAR SHOWER DRAIN MATTE BLACK 443348/POLISHED BRASS 443349 LENGTH PER PLANS. ALLOWS SAFE ENTRY FOR WHEEL CHAIR ACCESS. 48" MIN FOR ADA 443348.				3"	

PLUMBING GENERAL NOTES

1. PRIOR TO SUBMITTING A BID, THIS CONTRACTOR AND HIS SUBCONTRACTORS SHALL VISIT THE JOB SITE AND FULLY ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS OF THE PROJECT. THIS CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE RESPONSIBLE FOR REVIEW OF GENERAL NOTES, SPECIFICATIONS AND ALL OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT/ORANGE THEORY FITNESS REPRESENTATIVE/OWNER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. THE INSTALLATION SHALL COMPLY WITH, AND BE INSTALLED IN ACCORDANCE WITH ALL LEGALLY CONSTITUTED AUTHORITIES AND CODES HAVING JURISDICTION.
3. DRAWINGS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
4. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES AT THE POINTS OF CONNECTION OF NEW SERVICES BEFORE THE START OF CONSTRUCTION. COORDINATE ALL PIPING WITH BUILDING FOOTINGS, STRUCTURE, FOUNDATIONS, UNDERGROUND UTILITIES BY OTHER TRADES, ETC.
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHT OF PLUMBING FIXTURES. PLUMBING FIXTURE LOCATION DIMENSIONS INDICATED ON THE ARCHITECTURAL PLANS OR AS REQUIRED TO COMPLY WITH APPLICABLE ACCESSIBILITY STANDARDS SHALL BE HELD. VERIFY ALL INSTALLATION DIMENSIONS PRIOR TO PIPING OR FIXTURE ROUGH-IN.
6. PROVIDE SHUT OFF VALVES AT ALL PLUMBING FIXTURE WATER SUPPLY CONNECTIONS. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED AND SHALL BE QUARTER-TURN BALL VALVES (NO EXCEPTIONS). REFER TO THE SPECIFICATIONS FOR CLARIFICATION.
7. UNLESS OTHERWISE NOTED, ALL PIPING IN FINISHED AREAS SHALL BE RUN CONCEALED, EXPOSED PIPING, WHERE NECESSARY, SHALL BE RUN AS HIGH AS POSSIBLE AND TIGHT TO WALLS. DO NOT INSTALL DOMESTIC WATER PIPING IN EXTERIOR WALLS.
8. INSULATE HOT AND COLD WATER PIPING PER THE PLUMBING SPECIFICATIONS. PROVIDE PIPE AND VALVE COVERINGS EQUAL TO TRUEBRO "LAV GUARD" ON ALL EXPOSED PIPING UNDER THE LAVATORIES AND WATER CLOSETS
9. PROVIDE ACCESS PANELS WITH CHROME PLATED COVERS FOR ALL CONCEALED VALVES.
10. THE PLUMBING SYSTEM LAYOUT SHALL BE IN CAREFUL COORDINATION WITH THE DRAWINGS, DETERMINING PROPER ELEVATION FOR ALL COMPONENTS OF THE SYSTEM. THE GENERAL LAYOUT SHALL BE FOLLOWED AS SHOWN ON THE DRAWINGS IN ALL CASES, EXCEPT WHERE OTHER DISCIPLINES MAY INTERFERE.
11. CAP ALL PIPING OPENINGS DURING CONSTRUCTION UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE.
12. PROVIDE TRAP PRIMER VALVES WHERE REQUIRED BY LOCAL BUILDING CODES. PROVIDE 1/2" COPPER TRAP PRIMER PIPING WITH NO JOINTS UNDER THE FLOOR SLAB TO CONNECT TO THE FLOOR DRAIN P-TRAP. PROVIDE ONE SUPPLY PIPE PER FLOOR DRAIN ROUTED DIRECTLY FROM THE TRAP PRIMER VALVE OR 1% MINIMUM IN THE ASSOCIATED DISTRIBUTION UNIT. SLOPE TRAP PRIMER SUPPLY PIPING BELOW THE FLOOR AT DIRECTION OF FLOW. PROVIDE A 12" x 12" ACCESS PANEL IN THE TOILET ROOM WALL. COORDINATE ACCESS PANEL AND TRAP PRIMER IN NON-TILED ACCESS WALL. PAINT ACCESS PANEL TO MATCH SAME COLOR AS ADJACENT TILE.
13. CONTRACTOR SHALL SEAL ANY AND ALL EXISTING PLUMBING PENETRATION AT SLAB/FLOOR ABOVE TO MAINTAIN EXISTING FIRE RATING OF SLAB/FLOOR. SEALS SHALL MAINTAIN FIRE RATINGS AS WELL AS SOUND DAMPENING REQUIREMENTS.
14. ALL WORK SHALL BE COORDINATED WITH THE OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
15. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIVE AND CODE COMPLIANT.
16. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, INSPECTIONS, TESTS, AND ASSOCIATED FEES.
17. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.

No.	REVISION/DESCRIPTION	DATE:	BY:
1	corporate and LL review	11.15.24	* *
2		*	*

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REGISTERED PROFESSIONAL ENGINEER
No. 14194328-2202
CRAWFORD MURPHY
STATE OF UTAH

SWTHZ APPROVED

SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake City, UT 84106

PROJECT: RENOVATION FOR

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: P-0

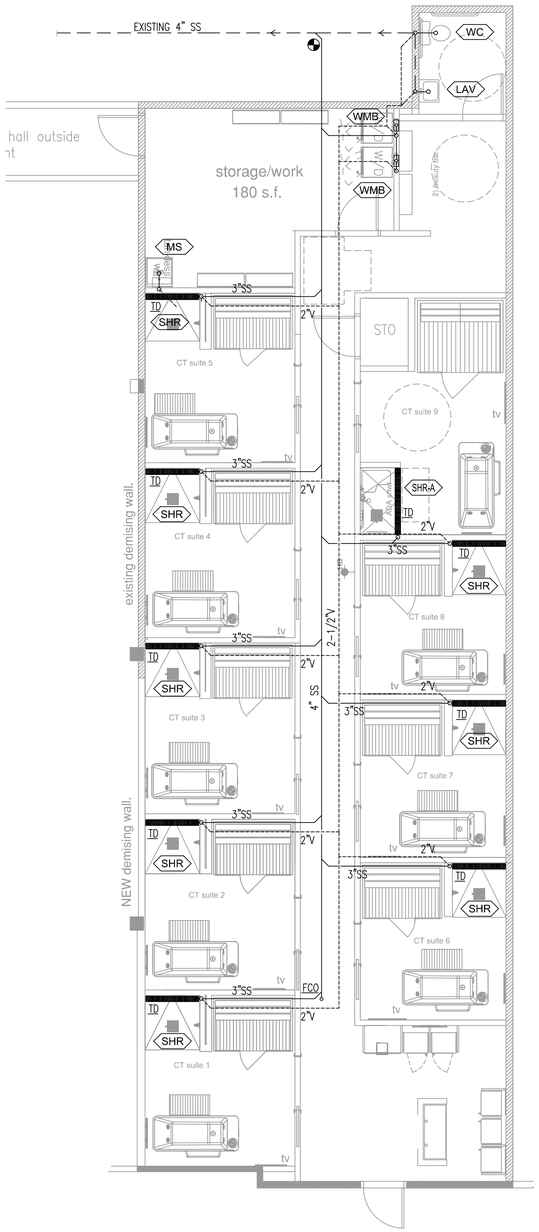
PLUMBING PLAN NOTES BY SYMBOL

1. FIELD LOCATE AND TIE NEW 4" SANITARY SEWER INTO EXISTING SANITARY SEWER PIPING. PLUMBING CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING WASTE PIPING SIZE, DIRECTION AND INVERT PRIOR TO ANY PLUMBING BIDS, CONSTRUCTION OR MODIFICATIONS OF EXISTING SPACE. NOTIFY THE LANDLOARD, ARCHITECT OF RECORD AND ENGINEER IF EXISTING INVERT CANNOT BE MET.
2. LOCATE AND MAKE FINAL CONNECTIONS OF NEW VENT PIPING INTO EXISTING BUILDING VENT SYSTEM OR PROVIDE NEW THROUGH ROOF VENT PIPING.
3. PROVIDE AND INSTALL NEW ELECTRIC WATER HEATER PER THE PLUMBING SCHEDULE AND ON
4. CONNECT TO EXISTING VENT IN CEILING SPACE.

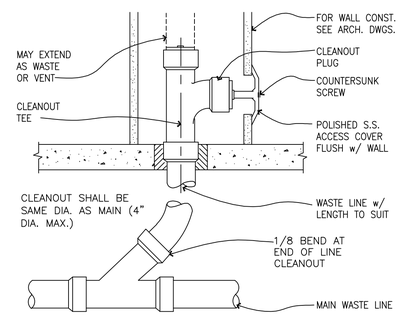
NOTE:

P.C. (PLUMBING CONTRACTOR) TO TEST WATER PRESSURE OF LANDLORD PROVIDED WATER SERVICE. PROVIDE WATER BOOSTER AS NEEDED.

ALL FLOOR DRAINS ETC, TO HAVE TRAP PRIMERS. VERIFY SPECIFICATIONS WITH OWNER PRIOR TO THE SUBMISSION OF BIDS.

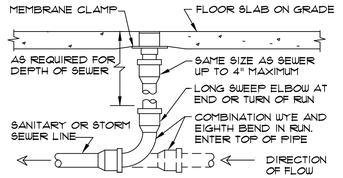


1 P-1 PLUMBING FLOOR PLAN - WASTE & VENT
3/16" = 1'-0"



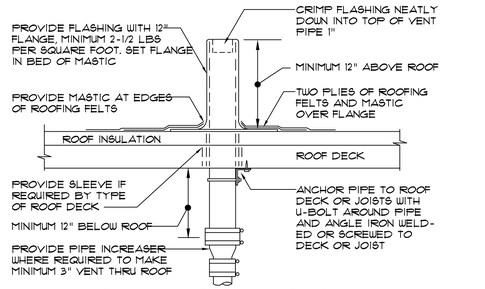
3 P-1 WALL CLEANOUT DETAIL
NTS

PROVIDE ROUND SECURED NICKEL BRONZE ADJUSTABLE TOP WITH "CO" CAST IN COVER. PROVIDE CLEANOUT TOP WITH VARIATIONS SUITABLE FOR FLOOR COVERING (CARPET MARKER, RECESSED FOR TILE, SCORIATED FOR UNFINISHED FLOORS).



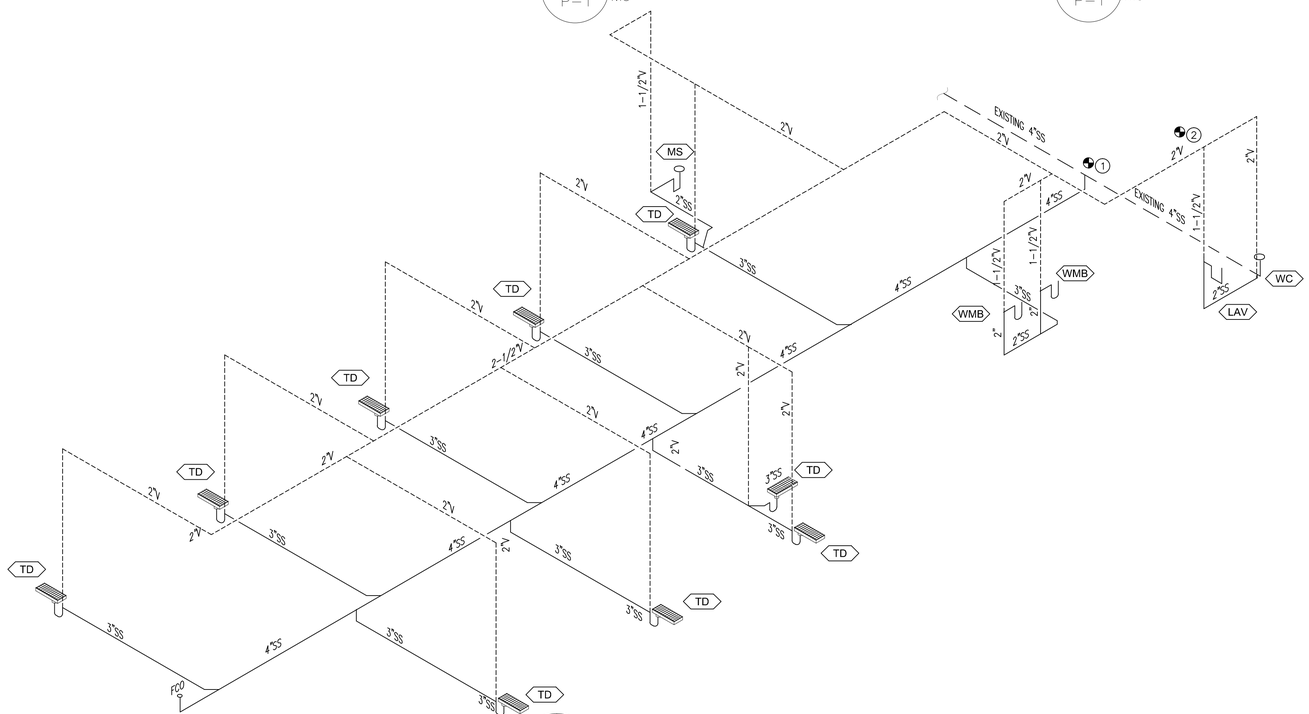
LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.

4 P-1 FLOOR CLEANOUT DETAIL
NTS



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1/2" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN TEN FEET OF VENT THRU ROOF LOCATION. AT CONTRACTOR'S OPTION, HE MAY USE A NEOPRENE OR FLEXIBLE PVC COUPLING CLAMPED TO FLASHING AND PIPE WITH SS SCREW CLAMPS. VERIFY FLASHING AND CONTERFLASHING WITH ROOFING CONTRACTOR.

5 P-1 VENT THROUGH ROOF DETAIL
NTS



2 P-1 PLUMBING FLOOR PLAN - WASTE & VENT ISOMETRIC
NTS

No.	REVISION/DESCRIPTION	DATE:	BY:
1	corporate and LL review	11.15.24	" "

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REGISTERED PROFESSIONAL ENGINEER
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CRAWFORD MURPHY
STATE OF UTAH

SWTHZ APPROVED

SWTHZ
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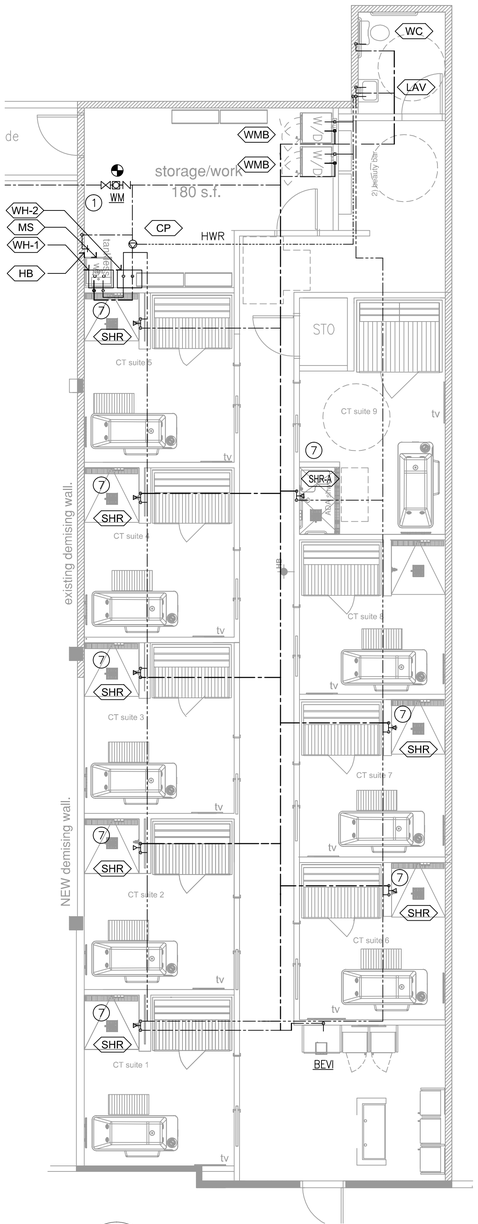
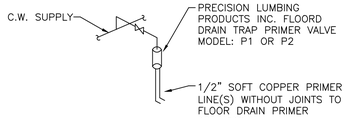
1138 Wilmington Ave
Salt Lake City, UT 84106

PROJECT: RENOVATION FOR

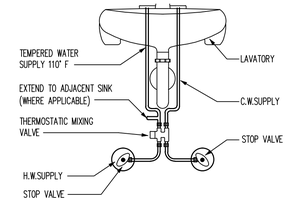
DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: P-1



1 P–2 PLUMBING FLOOR PLAN - WATER
3/16" = 1'-0"



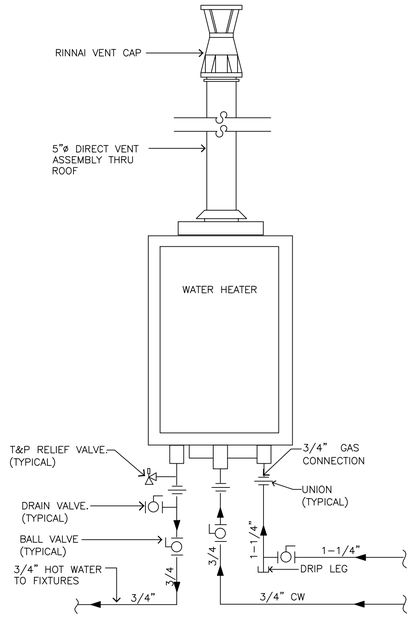
3 P–2 TRAP PRIMER DETAIL
NTS



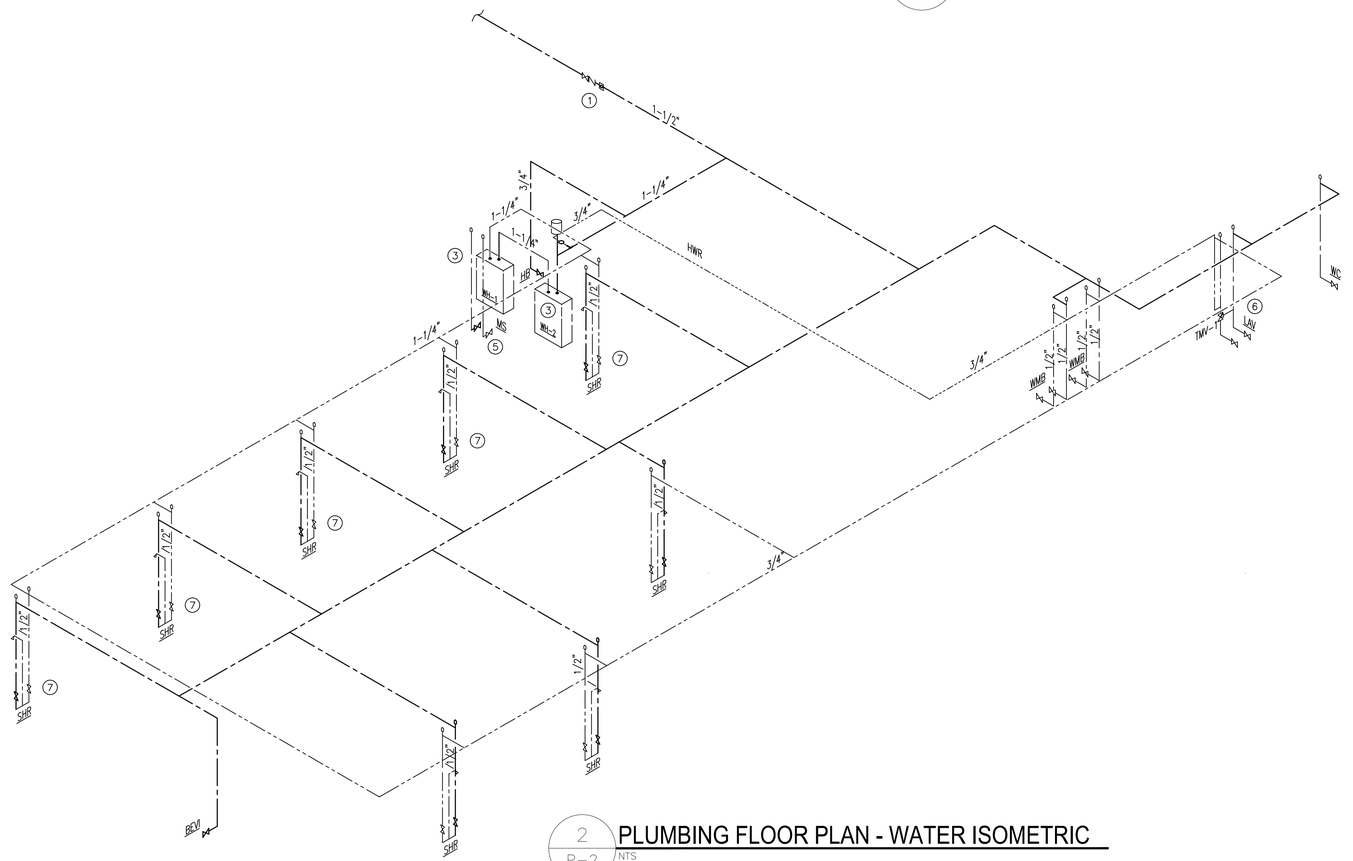
4 P–2 MIXING VALVE (TMZ) DETAIL
NTS

PLUMBING PLAN NOTES BY SYMBOL

1. 1–1/2" CW FROM 1–1/2" EXISTING DOMESTIC WATER SERVICE (WITH SUB–METER WHERE REQUIRED) AND SHUT OFF VALVE. COORDINATE FINAL CONNECTIONS IN FIELD. WHERE REQUIRED PROVIDE RPZ BACKFLOW PREVENTOR LOCATED ON SITE THIS SHEET FOR RPZ DETAIL. COORDINATE FINAL LOCATION. IF RPZ IS LOCATED INSIDE, LOCATE IN JANITOR CLOSET
2. COLD WATER DOWN FROM TRAP PRIMER TO FLOOR DRAIN. SEE DETAIL ON THIS SHEET FOR MORE INFORMATION.
3. PROVIDE NEW WATER HEATER AS SCHEDULED . SEE WATER HEATER DETAIL THIS SHEET.
4. 3/4" CW DOWN TO AND 3/4" HW UP FROM WATER HEATER. SEE WATER HEATER DETAIL ON SHEET.
5. HW & CW DOWN TO MOP SINK.
6. 1/2" HW&CW DOWN TO LAVATORY SINK PROVIDE TMV FOR 110°F. PROVIDE WITH WALL STOP.
7. 1/2" HW&CW DOWN TO SHOWER FIXTURE, SEE SCHEDULE.
8. 1/2" CW DOWN TO BEVI STATION. PROVIDE WITH WALL STOP AND BACKFLOW.



5 P–2 WATER HEATER DETAIL
NTS



2 P–2 PLUMBING FLOOR PLAN - WATER ISOMETRIC
NTS

No.	REVISION/DESCRIPTION	DATE:	BY:
A	corporate and LL review	11.15.24	* *

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SCALE: SEE PLAN
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SHEET: P-2

ELECTRICAL SPECIFICATIONS

GENERAL

ALL ELECTRICAL WORK SHALL CONFORM TO THE FOLLOWING CODES, AMENDMENTS AND AUTHORITIES HAVING JURISDICTION:
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL FIRE CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE UTAH EDITION

2020 NATIONAL ELECTRICAL CODE

AND ALL OTHER LOCAL COUNTY CODES AND ORDINANCES

ALL EQUIPMENT SHALL BE NEW AND U.L. APPROVED.

ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. SIZE AND LOCATION OF EQUIPMENT AND WIRING ARE SHOWN TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY ON THE DRAWINGS. FINAL LOCATIONS OF OUTLETS AND EQUIPMENT SHALL BE SHOWN IN ENLARGED DETAILS OR AS APPROVED BY THE ARCHITECT OR HIS REPRESENTATIVE. IT IS NOT WITHIN THE SCOPE OF DRAWINGS TO SHOW ALL THE NECESSARY BENDS, OFFSETS, PULLBOXES AND OBSTRUCTIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE, MAINTAIN HEAD-ROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND SHALL COMPARE THE DRAWINGS WITH EXISTING ELECTRICAL INSTALLATIONS, AND SHALL THOROUGHLY FAMILARIZE HIMSELF WITH ALL EXISTING CONDITIONS WITHIN THE SCOPE OF HIS WORK. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL HAVE DEEMED TO HAVE MADE SUCH EXAMINATION AND TO HAVE ACCEPTED SUCH CONDITIONS AND TO HAVE MADE ALLOWANCE THEREFORE IN PREPARING HIS BID.

CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ALL TRADES AND ELECTRICAL REFERENCES ON ARCHITECTURAL DRAWINGS.

VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND INTERIOR DETAILS AND FINISHES. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS, AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.

FURNISH AND INSTALL WIRING FOR EQUIPMENT FURNISHED BY OTHERS, AS SHOWN ON DRAWINGS. COORDINATE WITH OTHER TRADES OR DETAILS FOR INSTALLATION. THE TERM "WIRING", AS USED HEREIN, INCLUDES FURNISHING AND INSTALLING CONDUIT, WIRE JUNCTION BOXES, DISCONNECTS AND MAKING CONNECTIONS. BE RESPONSIBLE FOR PROPER WIRING AND NECESSARY ELECTRICAL ADJUSTMENTS TO EQUIPMENT TO CONFORM TO SPECIFIED REQUIREMENTS OF THE EQUIPMENT.

SECURE AND PAY ALL PERMITS AND FEES NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK.

THE CONTRACTOR SHALL DO ALL CUTTING AND PATCHING OF THE EXISTING CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP, AND FINISH AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK.

AFTER COMPLETION OF WORK UNDER THIS SECTION, CLEAN UP RESULTANT DEBRIS FROM THIS WORK AND REMOVE FROM THE SITE.

THE ENGINEER RESERVES THE RIGHT TO DIRECT THE REMOVAL OF ANY ITEM WHICH, IN HIS OPINION, DOES NOT PRESENT AN ORDERLY AND REASONABLY NEAT OR WORKMANLIKE APPEARANCE. SUCH REMOVAL AND REPLACEMENT SHALL BE DONE WHEN DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE, ,AND WITHOUT ADDITIONAL COST TO THE OWNER.

CODES REQUIREMENTS ARE MINIMUM AND SHALL BE COMPLIED WITH AT NO ADDITIONAL COST TO THE OWNER. WHERE REQUIREMENTS OF THESE DRAWINGS EXCEED CODE REQUIREMENTS, WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE DRAWINGS.

DEVIATION FROM MATERIALS, METHODS AND PROCEDURES SET FORTH HEREIN MUST BE APPROVED IN WRITING. APPROVAL WILL NOT BE GIVEN UNLESS THE PROPOSED SYSTEM IS EQUAL IN PERFORMANCE, DURABILITY LONGEVITY, AND RELIABILITY TO THAT SPECIFIED.

LIGHTING FIXTURES

INSTALL LIGHTING FIXTURES AS SHOWN ON THE ELECTRICAL DRAWINGS. VERIFY EXACT LOCATIONS OF FIXTURES ON FLOOR PLAN WITH ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE FIXTURE HOUSINGS AND TRIMS WITH CEILING TYPE. PROVIDE REQUIRED ACCESSORIES FOR CEILING TYPES.

ALL BRANCH CIRCUIT WIRING FOR LIGHTING SHALL BE #12 AWG, TYPE THHN/THWN, AND SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING ABOVE THE HUNG CEILING. THE EMT SHALL BE SUPPORTED ACCORDING TO THE CODE(S) HAVING JURISDICTION BASED ON THE NUMBER AND SIZE OF CONDUCTORS ENTERING AND LEAVING THE BOX.

ALL FLUORESCENT LAMPS SHALL BE ENERGY SAVING TYPE.

ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC, SYLVANIA ADVANCE OR EQUAL.

DISTRIBUTION EQUIPMENT

ALL PANELBOARDS SHALL BE ENCLOSED TYPE, FLUSH OR SURFACE MOUNTED AS REQUIRED, IN STEEL CABINETS CODE GAUGE, WITH STEEL TRIM CONCEALED HINGES, DOORS AND FLUSH TYPE LOCKS, ALL KEYED ALIKE, MANUFACTURER SHALL BE SQUARE D, CUTLER HAMMER, GE, OR ITE.

ALL BUSSES, INCLUDING NEUTRAL AND GROUND BUS, SHALL BE MINIMUM 98% CONDUCTIVITY, HARD DRAWN COPPER, SILVER OR TIN-PLATED JOINTS, AND SIZED ON THE BASIS OF 1000 AMPERES PER SQUARE INCH CROSS-SECTIONAL AREA. BUSSES SHALL BE ARRANGED FOR SEQUENCING PHASING. EXCEPTION: ALUMINUM BUSSING IS PERMITTED FOR RESIDENTIAL LOAD CENTER PANELBOARDS.

PANELBOARDS SHALL BE EQUIPPED WITH BOLT-ON MOLDED CASE CIRCUIT BREAKERS OF THE TYPE, NUMBER OF POLES, TRIP SIZES, AS SHOWN IN DRAWINGS AND INTERRUPTING CAPACITY AS PER BUILDING REQUIREMENTS. EXCEPTION: RESIDENTIAL UNITS SHALL BE EQUIPPED WITH PLUG-IN TYPE MOLDED CASE CIRCUIT BREAKERS F THE TYPE, NUMBER OF POLES, TRIP SIZES, AS SHOWN IN DRAWINGS AND INTERRUPTING CAPACITY AS PER BUILDING REQUIREMENTS.

A CIRCUIT DIRECTORY WITH METAL FRAME AND GLASSINE PAGE SHALL BE PROVIDED ON THE INSIDE OF THE DOOR. UPON COMPLETION OF THE PROJECT, THE DIRECTORY SHALL BE TYPEWRITTEN, INDICATING THE SERVICE CONTROLLED BY EACH CIRCUIT FOR NEW AND EXISTING PANELS.

GROUP AND LACE ALL CONDUCTORS WITHIN PANEL ENCLOSURE. DO NOT SPLICE CONDUCTORS WITHIN PANEL ENCLOSURE.

CLEAN, VACUUM, AND TIGHTEN ALL CONNECTORS AND CONNECTIONS IN EXISTING ELECTRICAL EQUIPMENT RE-USED.

SEAL EXISTING PANEL KNOCKOUTS NOT RE-USED.

DISCONNECT SWITCHES SHALL BE SQUARE-D CLASS 3110 TYPE FUSED OR NON-FUSED.

PROVIDE NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT AND THE TENANT SPACE THEY SERVE. NAMEPLATES TO BE ENGRAVED THREE LAYER LAMINATED PLASTIC, WHITE LETTERS ON BLACK BACKGROUND FOR EQUIPMENT 250 VOLTS AND UNDER, AND WHITE LETTERS ON RED BACKGROUND FOR EQUIPMENT OVER 250 VOLTS.

PROVIDE HANDLE-LOCKS FOR ALL CIRCUIT BREAKERS FOR "NITE-LITE" AND "EXIT" LIGHTS WITH BATTERY PACKS.

DEVICES

DUPLEX RECEPTACLES FOR WALL AND FLOOR CONVENIENCE OUTLETS SHALL BE 2 POLE, 3 WIRE, GROUNDED, 20 AMPERE, NEMA CONFIGURATION 5-20R, COLOR BY ARCHITECT.

DUPLEX GFI RECEPTACLE SHALL BE 2 POLE, 3 WIRE, GROUNDED, 20 AMPERE, NEMA CONFIGURATION 5-20R, COLOR BY ARCHITECT.

SINGLE POLE SWITCHES AND 3-WAY SWITCHES SHALL BE SPECIFICATION GRADE. COLOR BY ARCHITECT.

DEVICE SHALL BE MOUNTED UNDER COMMON COVERPLATE WHERE MULTIPLE DEVICES ARE INDICATED.

RACEWAY

BRANCH CIRCUIT WIRING AND FEEDERS SHALL BE RUN IN ELECTRIC METALLIC TUBING (EMT). THE EMT SHALL BE OF MILLED STEEL TUBING. STEEL SET SCREW WITH INSULATED THROAT TYPE CONNECTORS AND COUPLINGS SHALL BE USED FOR ALL EMT CONNECTIONS. SEALTITE FLEXIBLE CONDUIT FOR VIBRATING EQUIPMENT (MOTORS, TRANSFORMERS, ETC.).

CUT CONDUIT END SQUARE, REAM SMOOTH. PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLINGS.

PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3" OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1" FROM PIPE COVER.

RUN ALL RACEWAYS PARALLEL AND/OR PERPENDICULAR TO BUILDING WALLS. HORIZONTAL OR CROSS RUNS IN FULL HEIGHT PARTITIONS AND WALLS NOT PERMITTED.

SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS.

BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.

RUN ALL CONDUIT CONCEALED IN FINISHED AREAS, UNLESS INDICATED ON THE DRAWINGS.

CONNECT RACEWAY TO MOTOR TERMINAL BOXES WITH FLEXIBLE CONDUIT; MINIMUM 18 INCHES IN LENGTH AND 50% SLACK. DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.

CONDUITS ROUTED TO ROOF SHALL BE ROUTED ALONG MECHANICAL PIPING RUNS AND SHALL BE AS APPROVED BY BUILDING OWNER.

INDICATE, USING MARKING PEN, PANELBOARD AND CIRCUIT DESIGNATIONS ON ALL CONDUIT HOMERUNS AND JUNCTION BOXES.

CONDUCTORS

CONDUCTORS SHALL BE COPPER, SIZES AS INDICATED ON DRAWINGS AND SHALL NOT BE LESS THAN #12 AWG. ALL #8 AWG WIRE AND LARGER SHALL BE STRANDED. ALL #10 AWG WIRE AND SMALLER SHALL BE SOLID. VOLTAGE RATING OF INSULATION SHALL BE 600 VOLTS.

TYPE THHN/THWN INSULATION SHALL BE USED FOR ALL BRANCH CIRCUIT WIRING. THE AMPACITIES OF THHN WIRE SHALL BE BASED ON THE ALLOWABLE AMPACITIES OF THW WIRE. FEEDER CABLES INSULATION AS APPROVED.

RECESSED LIGHTING FIXTURES IN HUNG CEILING SHALL BE SUPPLIED WITH TYPE "AF" INSULATED WIRE IN FLEXIBLE METALLIC CONDUIT, IN LENGTHS NOT EXCEEDING 6 FEET, FROM ADJACENT JUNCTION BOXES.

FACTORY COLOR CODING FOR WIRE AND CABLE SHALL BE AS FOLLOWS: 120/208V - BLACK, RED, BLUE, WHITE, FOR PHASES A, B, C AND NEUTRAL, RESPECTIVELY.

GROUND WIRES SHALL BE GREEN.

WIRE COLOR CODING: WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.

LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. IN RACEWAY OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED, FURNISH PULL STRING.

PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (0°C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUIT AS REQUIRED BY CODE.

LIGHTING AND POWER WIRING FOR CIRCUITS LESS THAN 100 FEET SHALL BE #12 AWG, UNLESS NOTED. WIRE SIZES SHALL BE #10 FOR CIRCUITS GREATER THAN 100 FEET. NOT MORE THAN (3) LIGHTING OR CONVENIENCE OUTLET CIRCUITS IN ONE CONDUIT UNLESS OTHERWISE NOTED.

ALL WIRES SHALL BE IDENTIFIED BY CIRCUIT NUMBERS IN ALL CABINETS, BOXES, WIRING TROUGH, OTHER ENCLOSURES, AT ALL SPLICES, TERMINATION POINTS, ETC.

METAL CLAD CABLE (MC):

CONTRACTOR MAY UTILIZE METAL-CLAD (TYPE MC) FOR INTERIOR BRANCH_CIRCUIT WIRING IN ACCORDANCE WITH THE CODE. ALL MATERIALS, FITTINGS, HARDWARE, ETC. SHALL BE U.L. LABELED FOR USE WITH MC CABLE AND PROPERLY INSTALLED AND SUPPORTED. TYPE MC CABLE SHALL HAVE AN INTEGRAL FULL LENGTH GROUND CONDUCTOR, BONDED TO A GROUND LUG OR TERMINAL AT EACH END. MINIMUM WIRE SIZE OF #12. #14 AWG SHALL NOT BE INSTALLED.

NONMETALLIC CABLE (NM):

TYPE NM CABLE SHALL NOT BE PERMITTED.

OUTLET JUNCTION AND PULL BOXES

ALL OUTLET BOXES SHALL BE CODE GAUGE, HOT DIPPED GALVANIZED STAMPED STEEL.

OUTLET BOXES FOR RECEPTACLES AND SWITCHES IN DRY WALL PARTITION SHALL BE 4" SQUARE, BY 1-1/2" MINIMUM DEPTH AND SHALL BE FITTED WITH SQUARE CORNERED DEVICE COVERS AND DEPTH EQUAL TO THE DRY WALL THICKNESS. SECTIONAL BOXES ARE NOT ACCEPTABLE.

JUNCTION AND PULL BOXES: LOCATE GENERALLY NOT EXPOSED IN FINISHED SPACE. WHERE NECESSARY, RE-ROUTE RACEWAY OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHERE EVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. FOR EMPTY RACEWAY RUNS PROVIDE PULL BOXES EVERY 100 FEET AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.

SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.

LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOORS INSTALL SWITCH, IN SIDE OPPOSITE HINGE, VERIFY FINAL DOOR HINGE LOCATION ON FIELD PRIOR TO SWITCH OUTLET INSTALLATION.

LOCATION INDICATED FOR LOCAL WALL SWITCHES, CONTROLLERS, EMERGENCY PUSH BUTTONS, RECEPTACLE, ETC. ARE SUBJECT TO MODIFICATIONS.

HEIGHTS OF OUTLET FROM FINISHED FLOOR TO CENTERLINE OF OUTLETS, AS PER ELECTRICAL DRAWINGS. EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, MOLDING OR BREAK IN WALL SURFACE IN VIOLATION OF CODE REQUIREMENTS.

OFFSET BACK-TO-BACK OUTLETS 24" MINIMUM. THROUGH THE WALL TYPE, NOT PERMITTED.

GROUNDING

GROUND ALL CONDUITS, CABINETS, MOTORS, PANELS, AND OTHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF THE NATIONAL ELECTRICAL CODE, OR LOCAL CODES THAT MAY APPLY.

PROVIDE INSULATED GROUNDING CONDUCTORS IN ALL CONDUITS. EQUIPMENT GROUND WIRE TO BE SIZED IN ACCORDANCE WITH N.E.C. ARTICLE 250-95. ALL UNDERGROUND AND STRUCTURAL GROUND CONNECTIONS SHALL BE JOINED WITH EXOTHERMIC WELD KITS. BOLTED CONNECTORS SHALL BE USED FOR PIPES MADE OF COPPER OR COPPER ALLOY, BOLTED PRESSURE-TYPE, WITH AT LEAST TWO BOLTS. ALL TYPES SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION FOR APPLICATIONS IN WHICH USED, AND FOR SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS CONNECTED.

SUPPORTS

SECURE ALL SUPPORTS TO BUILDING STRUCTURE AS REQUIRED. DO NOT SUPPORT FROM CEILING HANGERS. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FEET APART. SUPPORT RACEWAY RISERS AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.

SUPPORT PANEL, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAY.

ALL ANCHORS, FASTENERS, CLAMPS, ETC., SHALL BE MADE OF STEEL AND SHALL NOT CONTAIN ANY LEAD, WOOD, PLASTIC, ETC.

SLEEVES

PROVIDE WATERPROOF SLEEVES, AS APPROVED FOR ROOF, FLOOR AND WALL PENETRATIONS. ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR PARTITIONS SHALL BE SEALED TO PREVENT THE SPREAD OF SMOKE AND FIRE THROUGH THEM. THE FIRE RATING OF THE PENETRATION SEAL SHALL BE AT LEAST THAT OF THE FLOOR OR WALL INTO WHICH IT IS INSTALLED BY ARTICLE #300-21 OF THE NATIONAL ELECTRICAL CODE.

THE FOAM SEALANT SHALL MEET ALL OF THE FIRE TEST AND HOUSE STREAM TEST REQUIREMENTS OF ASTM E-119-73 AND SHALL BE U.L. CLASSIFIED AS A WALL OPENING PROTECTIVE DEVICE, AS MANUFACTURED BY CHASE TECHNOLOGY CORPORATION.

LOW VOLTAGE DEVICES:

FOR LOW VOLTAGE DEVICES (TELEVISION, CAMERAS, SPEAKERS AND VOICE/DATA), PROVIDE BOX AND 3/4" RACEWAY FROM 4" SQUARE BOX IN WALL TO ABOVE CEILING WITH ANTI-CHAFFING BUSHING AT TOP. FOR CEILING DEVICE PROVIDE 4" BOX ONLY. WIRING BY OTHERS.

TELEPHONE, SIGNAL, DATA AND COMMUNICATION SYSTEM

PROVIDE OUTLETS ONE IN EACH BEDROOM, ONE IN THE LIVING AREA AND ONE IN THE KITCHEN. WALL OUTLETS SHALL BE 4" SQUARE BOX.

CONDUIT SIZES AS DETAILED, MINIMUM 3/4"C., STUBBED AND TERMINATED INTO HUNG CEILING MINIMUM 6". TERMINATE WITH INSULATED THROAT CONNECTOR AND PROVIDE PULL WIRE.

HVAC CONTROLS

MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL CONTROL WIRING INCLUDING CONDUITS, RELAYS, TIME CLOCK, CONTROL TRANSFORMERS, ETC., FOR ALL HVAC EQUIPMENT, UNLESS OTHERWISE NOTED.

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONLY POWER WIRING WITH DISCONNECTS, AS SHOWN IN ELECTRICAL DRAWINGS.

TEST AND GUARANTEES

UPON COMPLETION OF ALL ELECTRICAL WORK, CONTRACTOR SHALL TEST FOR GROUNDS AND SHORTS, TO INSURE PROPER OPERATION OF ELECTRICAL EQUIPMENT. REPAIR OR REPLACE FAULTY EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

GUARANTEE FOR ONE YEAR AFTER FINAL ACCEPTANCE BY OWNER OF ALL WORKMANSHIP AND MATERIALS FURNISHED.

LOAD BALANCING

ELECTRICAL CONTRACTOR SHALL BALANCE THE LOAD ON ALL PANELS WITH AMP METER WHICH INDICATES TRUE RMS, SUBSEQUENT TO COMPLETION OF INSTALLATION, WITH ALL EQUIPMENT OPERATING SIMULTANEOUSLY. ELECTRICAL CONTRACTOR SHALL SUBMIT LOAD BALANCING REPORT TO PROJECT MANAGER FOR APPROVAL.

SUBMITTALS

MANUFACTURER'S CUTS AND SHOP DRAWINGS OF THE FOLLOWING APPARATUS, GIVING FULL DESCRIPTION AND OTHER PERTINENT FACTS, SHALL BE SUBMITTED TO THE ENGINEER. THEIR APPROVAL SHALL BE SECURED BEFORE APPARATUS IN QUESTION IS ORDERED, PURCHASED, BUILT OR INSTALLED.

1. DEVICES (SWITCHES, RECEPTACLES, DIMMERS, FACEPLATES, ETC.).
2. PANELBOARDS
3. LIGHTING FIXTURES
4. SWITCHBOARDS, DISCONNECTS, & OVERCURRENT PROTECTIONS DEVICES.
5. OTHER EQUIPMENT AS REQUESTED.

ELECTRICAL ABBREVIATIONS

AIC	AMPERES INTERUPTING CURRENT
AFF/AFG/ARF	ABOVE FINISHED FLOOR/GRADE/RAISED FLOOR
ARCH	ARCHITECT/ARCHITECTURAL
AT	AMPERE TRIP
AF	AMPERE FRAME
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
EC	EMPTY CONDUIT
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING
F	FUSED
FLR	FLOOR
G	GROUND
GFI, GFCI	GROUND FAULT CIRCUIT INTERUPTER
HID	HIGH INTENSITY DISCHARGE
J, JB	JUNCTION BOX
kcmil	THOUSAND CIRCULAR MILLS
MC	METAL-CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MH	METAL HALIDE
MLO	MAIN LUG ONLY
NF	NONFUSIBLE
PH	PHASE
PVC	POLYVINYL CHLORIDE CONDUIT
RECP	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
SYM	SYMMETRICAL
TEL	TELEPHONE
V	VOLT
VA	VOLT-AMPERE
W	WIRE OR WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL LEGEND

(NOT ALL SYMBOLS NECESSARILY USED IN THIS PROJECT)

- RACEWAY CONCEALED IN CEILING CAVITY, SLAB, OR WALL.
- RACEWAY HOMERUN TO PANEL, ONE ARROWHEAD PER CIRCUIT.
- RACEWAY WITH 3 WIRES #12 AWG IN CONDUIT AND #12 AWG GROUNDING CONDUCTOR. NOTE: NUMBER OF CROSS HATCHES INDICATES NUMBER OF #12 AWG CONDUCTORS SHORT CROSS HATCH = PHASE CONDUCTOR. LONG CROSS HATCH = NEUTRAL CONDUCTOR. DOT INDICATES GROUNDING CONDUCTOR AND SMALL HATCHES AFTER NEUTRAL CONDUCTOR REPRESENT SWITCHED CONDUCTORS. NO CROSS HATCHES INDICATES 2 #12 AWG AND #12 AWG GROUNDING CONDUCTOR.
- $a — WALL SWITCH, SINGLE POLE, SINGLE THROW. MOUNT 48" AFF. LOWER CASE LETTER INDICATES SWITCH GROUP.
- $3 — WALL SWITCH, 3-WAY, SINGLE POLE, DOUBLE THROW. MOUNT 48" AFF.
- CEILING MOUNTED OCCUPANCY SENSOR. PROVIDE WITH WALL MOUNTED OVERRIDE CONTROLS
- WALL MOUNTED OCCUPANCY SENSOR
- WALL DIMMER SWITCH, SINGLE POLE, SINGLE THROW. CONTRACTOR SHALL COORDINATE COMPATIBILITY BETWEEN DIMMER, LIGHT FIXTURE AND BALLAST, TO ENSURE CORRECT DIMMING OPERATION WITHIN DESIGN RANGES. MOUNT 48" AFF.
- $3 — WALL DIMMER SWITCH, 3-WAY, SINGLE POLE, DOUBLE THROW. CONTRACTOR SHALL COORDINATE COMPATIBILITY BETWEEN DIMMER, LIGHT FIXTURE AND BALLAST, TO ENSURE CORRECT DIMMING OPERATION WITHIN DESIGN RANGES. MOUNT 48" AFF.
- A, a — RECESSED CEILING-MOUNTED LIGHT FIXTURE. UPPER CASE LETTER INDICATES FIXTURE TYPE. SEE SCHEDULE. LOWER CASE LETTER INDICATE SWITCH/DIMMER GROUP. SEE DRAWING. TYPICAL FOR ALL FIXTURES.
- AE — RECESSED CEILING-MOUNTED LIGHT FIXTURE WITH EMERGENCY BATTERY BALLAST PROVISIONS. LETTER INDICATES FIXTURE TYPE. SEE SCHEDULE.
- A — WALL-MOUNTED LIGHT FIXTURE. LETTER INDICATES FIXTURE TYPE. SEE SCHEDULE.
- J — RECESSED CEILING-MOUNTED LIGHT FIXTURE. LETTER INDICATES FIXTURE TYPE. SEE SCHEDULE.
- JE — RECESSED CEILING-MOUNTED LIGHT FIXTURE, WITH EMERGENCY BATTERY BALLAST. LETTER INDICATES FIXTURE TYPE. SEE SCHEDULE.
- X X — EXIT LIGHT, CEILING-MOUNTED. DARKENED SECTIONS INDICATE FACES; ARROWS AS INDICATED. LETTER INDICATES FIXTURE TYPE. SEE SCHEDULE.
- X X — EXIT LIGHT, WALL-MOUNTED. DARKENED SECTIONS INDICATE
- BATTERY POWERED EMERGENCY LIGHT. MOUNT 7'-6" AFF.
- 36 — DUPLEX RECEPTACLE OUTLET, WALL-MOUNTED. MOUNT 18" AFF. NUMBER INDICATES CIRCUIT.
- DOUBLE DUPLEX RECEPTACLE OUTLET, WALL-MOUNTED. MOUNT 18" AFF.
- DUPLEX RECEPTACLE OUTLET, WALL-MOUNTED, ABOVE COUNTER. SEE ARCH DETAILS.
- GFI DUPLEX RECEPTACLE OUTLET, WALL-MOUNTED. MOUNT 18" AFF.
- GFI DUPLEX RECEPTACLE OUTLET, WALL-MOUNTED, ABOVE COUNTER. 42' AFF. SEE ARCH DETAILS.
- GFI DUPLEX RECEPTACLE WITH USB OUTLET, WALL-MOUNTED AT 18" AFF UNLESS NOTED OTHERWISE.
- SPECIAL OUTLET, TYPE AS NOTED. MOUNT 18" AFF.
- J — JUNCTION BOX, ABOVE CEILING.
- J — JUNCTION BOX, WALL-MOUNTED.
- 2 — MOTOR, NUMERAL INDICATES HP.
- 30/3/20/3R — DISCONNECT SWITCH, SIZE/POLES/FUSE/ENCLOSURE TYPE IF OTHER THAN NEMA 1. MOUNT 48" AFF. "NF" INDICATES
- 30/3/20/3R — NON-FUSED TYPE. DISCONNECT STARTER SWITCH, SIZE/POLES/FUSE/ENCLOSURE TYPE IF OTHER THAN NEMA 1. MOUNT 48" AFF. "NF" INDICATES NON-FUSED TYPE.
- PANELBOARD, SURFACE-MOUNTED MOUNT AT 6'-0" TO TOP.
- V — VOICE/DATA DUAL OUTLET. MOUNT AT 18" AFF OR SAME HEIGHT AS OUTLET.
- DUPLEX RECEPTACLE OUTLET, CEILING-MOUNTED. SEE ARCH DETAILS.
- TV — TELEVISION OUTLET. MOUNT SAME HEIGHT AS ADJACENT OUTLET, UNLESS NOTED OTHERWISE
- M — MOTOR STARTER, MANUAL WITH THERMAL OVERLOAD. MOUNT 48" AFF.
- TELEPHONE BACKBOARD 2'W x 4'H x 3/4" A/C PLYWOOD WITH 2 COATS FIREPROOF PAINT. MOUNT AT TOP AT 6'-0" AFF.

FIRE ALARM LEGEND

(NOT ALL SYMBOLS NECESSARILY USED IN THIS PROJECT)

- FACP — FIRE ALARM CONTROL PANEL, SURFACE-MOUNTED.
- GA — GRAPHIC ANNUNCIATOR, SURFACE-MOUNTED.
- FXP — FIRE ALARM EXTENSION PANEL, SURFACE-MOUNTED.
- MANUAL PULL STATION.
- COMBINATION AUDIBLE/VISIBLE NOTIFICATION APPLIANCE.
- VISIBLE NOTIFICATION APPLIANCE.
- SMOKE DETECTOR.
- SMOKE DUCT DETECTOR.

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REGISTERED PROFESSIONAL ENGINEER
No. 14194328-2202
CRAWFORD MURPHY
STATE OF UTAH

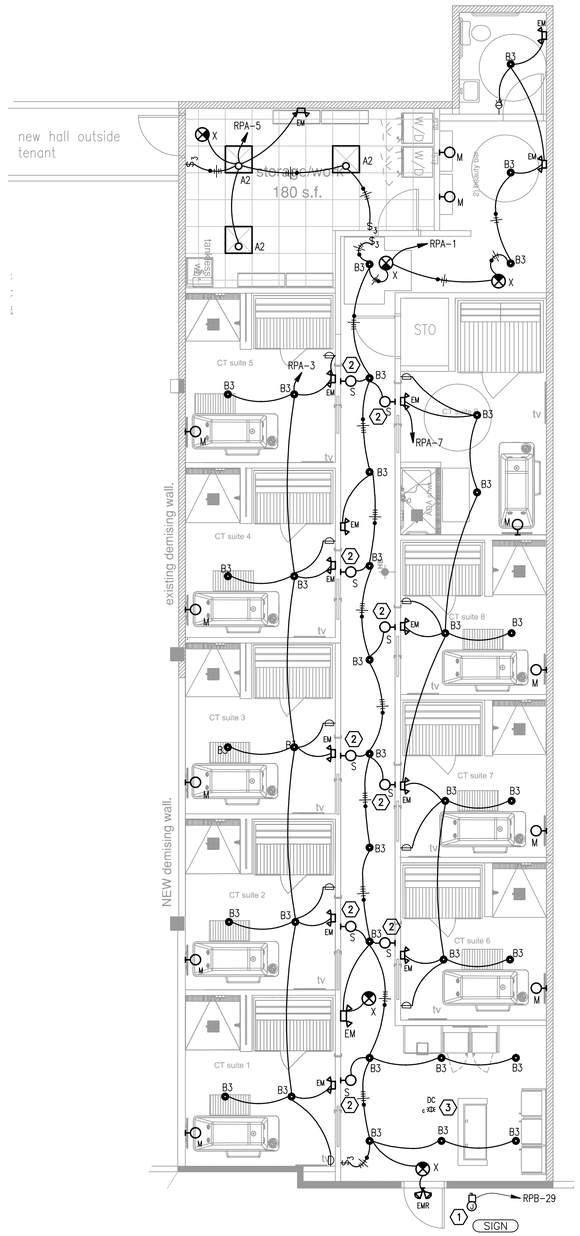
SWTHZ APPROVED

SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake City, UT 84106

PROJECT: RENOVATION FOR

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: E-0

E-0 6-Dec-24



1 / E–1 ELECTRICAL FLOOR PLAN - LIGHTING

3/16" = 1'-0"

ELECTRICAL GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION AND COORDINATION.
2. REFER TO SHEET E-3 FOR PANELBOARD SCHEDULES & THE ONE LINE DIAGRAM.
3. FIELD VERIFY EQUIPMENT ELECTRICAL REQUIREMENTS WITH EXACT EQUIPMENT PROVIDED AND COORDINATE WITH EQUIPMENT SPECIFICATIONS PRIOR TO INSTALLATION. ADJUST DEVICES AND FEEDER SIZES AS REQUIRED.
4. COORDINATE WITH MECHANICAL AND PLUMBING FOR MECHANICAL EQUIPMENT LOCATION. COORDINATE WITH ARCHITECTURAL FOR FFE EQUIPMENT LOCATION.
5. MAKE FINAL CONNECTION TO ALL EQUIPMENT. CONTRACTOR SHALL PROVIDE CORD/PLUG WHERE EQUIPMENT NOT PROVIDED BY VENDOR.
6. COORDINATE ALL ROOF PENETRATIONS WITH OWNER PRIOR TO INSTALLATION. ROOF PENETRATIONS SHALL BE IN ACCORDANCE WITH ROOF MANUFACTURERS SPECIFICATIONS FOR PENETRATIONS TO MAINTAIN ROOF INTEGRITY AND/OR WARRANTIES.
7. COORDINATE WITH OWNER/ARCHITECTURAL FOR ACTUAL TV LOCATION AND MOUNTING HEIGHT IN AREA PRIOR TO INSTALL DEVICE. PROVIDE SINGLE 20AMP CIRCUIT AND CABLE OUTLET BOX WHERE DESIGNATED BY OWNER.
8. SECURITY, AV, CAMERA LOCATIONS AND ALL OTHER LOW VOLTAGE BY OTHERS. VENDOR TO PROVIDE DESIGN.
9. INSTALL PUTTY PADS AT ALL BOXES RECESSED IN CEILING, INCLUDING BUT NOT LIMITED TO DEVICES AND LIGHTING. COORDINATE WITH ARCHITECTURAL DRAWINGS.

ELECTRICAL KEY NOTES

(1) PROVIDE DISCONNECT ON INSIDE WALL FOR EXTERIOR SIGNAGE AND ROUTE THROUGH 7 DAY, TIME CLOCK WITH HANDS/OFF/AUTOMATIC OPERATION. COORDINATE WITH OWNER.

(2) SUITE NUMBER SIGNS AT 65" AFF ON STRIKE SIDE OF POCKET DOOR. LOCATED 2" OFF OF DOOR TRIM. ELECTRICAL CONTRACTOR TO COORDINATE WITH SIGN PROVIDER FOR EXACT ELECTRICAL AND MOUNTING REQUIREMENTS. COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN. ON SWITCH WITH CORRIDOR LIGHTING AS SHOWN.

(3) PROVIDE DAYLIGHT SENSING CONTROLS ("DC") FOR DAYLIGHT ZONE CONTROL IN THIS AREA. SWITCHING DESIGNATIONS ARE INDICATED BY LOWER CASE LETTER.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG SERIES	LAMP QUANTITY & TYPE	DESIGN WATTAGE	VOLTAGE/PHASE/WIRE	BALLAST	MOUNTING METHOD	DESCRIPTION
A2	ARCHIPELAGO LBLP22-053	(1) 30W LED	50	120V 1P 2W	DIMMING	CEILING	2' x 2' LED EDGE-LIT RECESSSED PANEL FOR GRID CEILING. FIXTURE WITH 3900 LUMEN OUTPUT AND 0-10V DIMMING DRIVER COLOR TEMP OF 4000K, 30 W LED.
B3	MAXILUME HH4-TL-4501-SHZ	(1) 16W LED	25	120V 1P 2W	DIMMING	RECESSED	6" RECESSED LED DOWNLIGHT WITH BLACK FINISH. 1650 LUMEN OUTPUT, +90 CRI, 4000K , DIMMABLE DRIVER, WET LISTED.
EM	EXITRONIX LED-90-G2	(2) 1.1W LED	20	120V 1P 2W	BATTERY	WALL	EMERGENCY EGRESS "BUG-EYE" FIXTURES MAINTENANCE FREE FULLY AUTOMATIC CHARGER BLACK FINISH. FULLY AUTOMATIC CHARGER WITH MAINTENANCE FREE BATTERY WITH AUTOMATIC LOW-VOLTAGE BATTERY PROTECTION. WHITE THERMOPLASTIC HOUSING. MINIMUM 2 HR. OPERATION AT FULL WATTAGE. PROVIDE WITH SELF DIAGNOSTICS. COORDINATE CASE COLOR WITH OWNER.
EMR	LITHONIA MODEL ELA DDB T H10006	(2) 10W MR11	30	120V 1P 2W	BATTERY	WALL	SMALL REMOTE DUAL HEAD UTILIZING MR11 LAMPS WITH TEMPERED GLASS LENSE. POWERED BY BATTERY OF EGRESS/EMERGENCY EQUIPMENT. DIE CAST DARK BRONZE, UL LISTED FOR WET LOCATIONS.
M	KEONJINN 36"	(1) 36W LED	50	120V 1P 2W	DIMMING	WALL	WALL MOUNTED 36" DIAMETER MIRROR LAMP
S	JELSCO HOUSE NUMBERS	(1) 5W LED	10	120V 1P 2W	LED DRIVER	WALL	STAINLESS STEEL HOUSE NUMBER, 4" NUMBER WITH LED DRIVER, COLOR BLACK. CUSTOM NUMBER TO CORRELATE TO CT ROOM NUMBER.
X	EXITRONIX S90DU-WB-SR-G-BL	(1) 5W LED	20	120V 1P 2W	ELECTRONIC/BATTERY	PENDANT/SURFACE	LED EXIT SIGN IN THERMOPLASTIC HOUSING WITH SINGLE- OR DOUBLE- FACE. INTERNAL BATTERY. FULLY AUTOMATIC CHARGER WITH MAINTENANCE FREE BATTERY WITH AUTOMATIC LOW-VOLTAGE BATTERY PROTECTION. WHITE THERMOPLASTIC HOUSING. MINIMUM 2 HR. OPERATION AT FULL WATTAGE. PROVIDE WITH SELF DIAGNOSTICS. COORDINATE CASE COLOR WITH OWNER.

NOTES:
1. MOUNTING HEIGHT SHALL BE DETERMINED BY THE ARCHITECT.
2. COLORS OF LUMINARES SHALL BE DETERMINED BY THE ARCHITECT.
3. COORDINATE FIXTURE OPERATING VOLTAGES WITH THAT PROVIDED BY THE CIRCUITRY
4. DOWNLIGHTS IN INACCESSIBLE CEILIONS SHALL HAVE BOTTOM ACCESS.
5. COORDINATE FIXTURE TRIMS WITH THE CEILING TYPE.
6. THE LAMP COLOR TEMPERATURE FOR ALL LAMP SOURCES SHALL BE AS NOTED IN LIGHTING FIXTURE SCHEDULE ABOVE. CONFIRM WITH OWNER PRIOR TO ORDERING.
7. SEE ADDITIONAL LIGHTING NOTES ON THIS SHEET.
8. COORDINATE ALL LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO BID AND CONSTRUCTION. PROVIDE EXTRA LONG CORDS FOR ALL CORDED FIXTURES.

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A	corporate and LL review	11.15.24	* *

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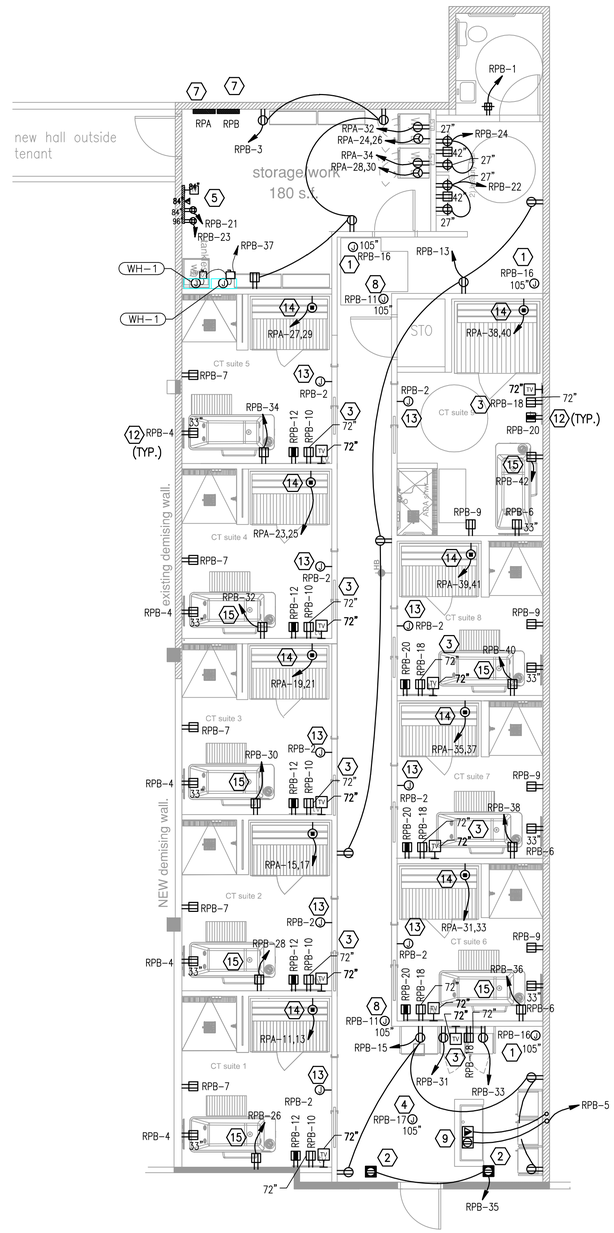
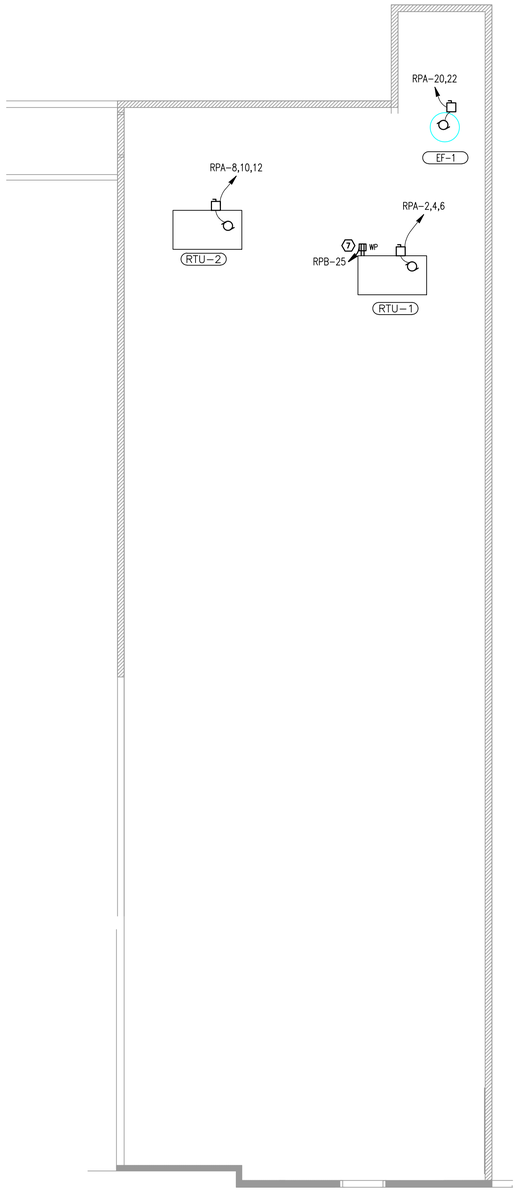
REGISTERED PROFESSIONAL ENGINEER
No. 14194328-2202
CRAWFORD MURPHY
STATE OF UTAH

SWTHZ APPROVED

PROJECT: RENOVATION FOR
SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake City, UT 84106

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: E-1





1 E-2 ELECTRICAL FLOOR PLAN - POWER & SIGNAL
3/16" = 1'-0"

2 E-2 ELECTRICAL ROOF PLAN
3/16" = 1'-0"

ELECTRICAL GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION AND COORDINATION.
2. REFER TO SHEET E-3 FOR PANELBOARD SCHEDULES & THE ONE LINE DIAGRAM.
3. ALL DEDICATED CIRCUITS SHALL USE ORANGE RECEPTACLES. UNLESS OTHERWISE NOTED OR APPROVED BY TENANT.
4. FIELD VERIFY EQUIPMENT ELECTRICAL REQUIREMENTS WITH EXACT EQUIPMENT PROVIDED AND COORDINATE WITH EQUIPMENT SPECIFICATIONS PRIOR TO INSTALLATION. ADJUST DEVICES AND FEEDER SIZES AS REQUIRED.
5. COORDINATE WITH MECHANICAL AND PLUMBING FOR MECHANICAL EQUIPMENT LOCATION. COORDINATE WITH ARCHITECTURAL FOR EQUIPMENT LOCATION.
6. MAKE FINAL CONNECTION TO ALL EQUIPMENT. CONTRACTOR SHALL PROVIDE CORD/PLUG WHERE EQUIPMENT NOT PROVIDED BY VENDOR.
7. COORDINATE ALL ROOF PENETRATIONS WITH OWNER PRIOR TO INSTALLATION. ROOF PENETRATIONS SHALL BE IN ACCORDANCE WITH ROOF MANUFACTURERS SPECIFICATIONS FOR PENETRATIONS TO MAINTAIN ROOF INTEGRITY AND/OR WARRANTIES.
8. COORDINATE WITH OWNER/ARCHITECTURAL FOR ACTUAL TV LOCATION AND MOUNTING HEIGHT IN AREA PRIOR TO INSTALL DEVICE. PROVIDE SINGLE 20AMP CIRCUIT AND CABLE OUTLET BOX WHERE DESIGNATED BY OWNER.
9. SECURITY, AV, CAMERA LOCATIONS AND ALL OTHER LOW VOLTAGE BY OTHERS. VENDOR TO PROVIDE DESIGN.
10. PROVIDE GFCI PROTECTION FOR ALL 120V IN SUITES AREAS. ALL GFCI RECEPTACLES SHALL BE READILY ACCESSIBLE. FOR ALL EQUIPMENT WITHOUT READY ACCESS, UTILIZE GFI BREAKER AT PANELBOARD (WITH DEDICATED NEUTRAL).

ELECTRICAL KEY NOTES

1. J-BOX FOR CAMERA, COORDINATE REQUIREMENTS WITH TENANT PRIOR TO ANY WORK. (WHERE SPECIFIED)
2. SHOW WINDOW CEILING OR HIGH WALL MOUNTED
3. WALL MOUNTED TV. COORDINATE FINAL LOCATION AND ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN. MOUNTING HEIGHT SHALL BE TO TOP OF OUTLET.
4. WIRELESS ACCESS POINT ABOVE CEILING. PROVIDE DATA DROP AND POWER.
5. TELEPHONE/CABLE/SECURITY BACKBOARD. FIELD COORDINATE EXACT LOCATION WITH OWNER IN FIELD. PROVIDE 36" WORKING CLEARANCE. PROVIDE BACKBOARD MOUNTED QUAD RECEPTACLES AS SHOWN AT 6'-0" AFF AND PROVIDE #6 AWG GROUND AND GROUND BAR AT BACKBOARD CONNECTED TO BUILDING GROUNDING SYSTEM. PROVIDE 1-1/2" EMPTY CONDUIT WITH PULL STRING TO BUILDING TELEPHONE BKBD FOR TENANT SERVICE.
6. PROVIDE WP SERVICE OUTLET WHERE OUTLET NOT CURRENTLY PROVIDED.
7. NEW PANELBOARD LOCATIONS. COORDINATE FINAL LOCATIONS WITH OWNER AND PROVIDE REQUIRED 36" WORKING CLEARANCE IN FRONT OF PANELBOARD. TRANSFORMER SUSPENDED ABOVE.
8. J-BOX FOR SPEAKERS. PROVIDE DATA DROP AND POWER. COORDINATE WITH TENANT.
9. WIREMOLD RFB4-CI-NA SERIES FLOOR BOX (OR APPROVED EQUAL). PROVIDE 3/4" FOR POWER CABLING. PROVIDE 1-1/4"C WITH PULLSTRING TO NEAREST ACCESSIBLE CEILING FOR VOICE/DATA/AV CABLING. COORDINATE COVER, DEVICES AND LOCATION WITH OWNER/ARCHITECT PRIOR TO ORDERING.
10. LOCATED ON ROOF, COORDINATE WITH LANDLORD. EXISTING WEATHERPROOF OUTLETS ARE PART OF BASE BUILDING. WHERE WP GFCI SERVICE OUTLETS DON'T EXISTS WITHIN 25 FT. PROVIDE OUTLETS AND CIRCUIT TO NEAREST HOUSE PANEL. UPSIZE FEEDERS TO ACCOUNT FOR VOLTAGE DROPS.
11. EXISTING ELECTRICAL SWITCHBOARD "MS-ML" SERVICE EQUIPMENT COORDINATE EXACT LOCATION IN FIELD AND WITH LANDLORD.
12. RECEPTACLE FOR LIGHTED MIRROR. COORDINATE WITH SHEET E-1.
13. SAUNA CLOCKS. MOUNT AT 90" AFF.
14. SAUNA: 208V, 1ø. PROVIDE NEMA 6-20R RECEPTACLE @80" AFF AND @ 88" AFF FOR ADA SUITE. COORDINATE AND MAKE ALL FINAL CONNECTIONS AND MOUNTING HEIGHTS WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN.
15. COLD PLUNGE: 120V, 1ø. MOUNTING HEIGHT SHALL BE 18" AFF, 6" FROM BACK OF COLD PLUNGE.

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SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake City, UT 84106

PROJECT: RENOVATION FOR:

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: E-2

PANELBOARD SCHEDULE: RPA

ROOM | **VOLTS** 208Y/120V 3P 4W | **AIC** 10,000
MOUNTING SURFACE | **BUS AMPS** 200 | **MAIN BKR** MLO
FED FROM MS-ML | **NEUTRAL** 100% | **LUGS** FEEDTHRU
NOTE

CKT #	CIRCUIT DESCRIPTION	CKT BKR	KVA LOAD PHASE A	PHASE B	PHASE C	CKT BKR	CIRCUIT DESCRIPTION	CKT #
1	DOWNLIGHT, EGRESS, EXIT, SUITE # SIGN	20/1	0.705	4.01		25/3	RTU-1	2
3	DOWNLIGHT, EGRESS	20/1		0.35	4.01	|		4
5	EGRESS, EXIT	20/1			0.19	4.01	|		6
7	DOWNLIGHT, EGRESS	20/1	0.28	4.01		25/3	RTU-2	8
9	SPARE	20/1		0	4.01	|		10
11	SAUNA 1	20/2			1.4	4.01	|		12
13	|		1.4	0		20/3	SPARE	14
15	SAUNA 2	20/2		1.4	0	|		16
17	|				1.4	0	|		18
19	SAUNA 3	20/2	1.4	0.828		20/2	EF-1	20
21	|			1.4	0.828	|		22
23	SAUNA 4	20/2			1.4	2.25	30/2	DRYER	24
25	|		1.4	2.25		|		26
27	SAUNA 5	20/2		1.4	2.25	30/2	DRYER	28
29	|				1.4	2.25	|		30
31	SAUNA 6	20/2	1.4	1.2		20/1	WASHER	32
33	|			1.4	1.2	20/1	WASHER	34
35	SAUNA 7	20/2			1.4	0	20/1	SPARE	36
37	|		1.4	1.4		20/2	SAUNA 9	38
39	SAUNA 8	20/2		1.4	1.4	|		40
41	|				1.4	0	20/1	SPARE	42
	TOTAL CONNECTED KVA BY PHASE		21.7	21.1	21.1			
	TOTAL CONNECTED AMPS BY PHASE		181	175	176			

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	1.53	1.91	(125%)	CONTINUOUS	0	0	(125%)
LARGEST MOTOR	5.33	6.66	(125%)	HEATING	34.2	34.2	(100%)
OTHER MOTORS	11.4	11.4	(100%)	COOLING	0	0	(N/A)
RECEPTACLES	2.4	2.4	(50%>10)	NONCONTINUOUS	0	0	(100%)
				KITCHEN EQUIP	0	0	(N/A)
				DIVERSE	9	5.85	(65%)
				METERED DEMAND	0	0	(125%)
				TOTAL KVA	63.9	62.4	

BALANCED THREE PHASE AMPS 173

PANELBOARD SCHEDULE: RPB

ROOM | **VOLTS** 208Y/120V 3P 4W | **AIC** 10,000
MOUNTING SURFACE | **BUS AMPS** 200 | **MAIN BKR** MLO
FED FROM MS-ML | **NEUTRAL** 100% | **LUGS** STANDARD
NOTE

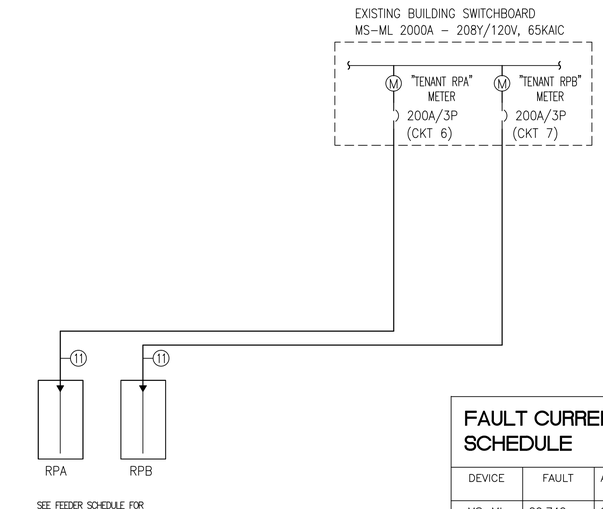
CKT #	CIRCUIT DESCRIPTION	CKT BKR	KVA LOAD PHASE A	PHASE B	PHASE C	CKT BKR	CIRCUIT DESCRIPTION	CKT #
1	RESTROOM	20/1	0.18	1.62		20/1	RECEPTACLE, SAUNA CLOCK	2
3	RECEPTACLE - UTILITY	20/1		0.72	0.9	20/1	MIRROR	4
5	FRONT DESK FLOOR, RECEPTACLE	20/1			0.36	0.54	20/1	MIRROR	6
7	CT ROOM	20/1	0.9	0		20/1	SPARE	8
9	CT ROOM	20/1		0.72	0.9	20/1	TELEVISION	10
11	SPEAKERS	20/1			0.36	0.9	20/1	RECEPTACLE	12
13	CORRIDOR	20/1	0.72	0		20/1	SPARE	14
15	LOBBY	20/1		0.72	0.54	20/1	CAMERA	16
17	WAP	20/1			0.18	0.9	20/1	TELEVISION	18
19	SPARE	20/1	0	0.72		20/1	RECEPTACLE	20
21	TEL BKBD	20/1		0.4	0.36	20/1	BEAUTY BAR RECEPTACLE	22
23	TEL BKBD	20/1			0.4	0.36	20/1	BEAUTY BAR RECEPTACLE	24
25	SVC RECEPTACLE ROOF	20/1	0.18	1.2		20/1	COLD PLUNGE 1	26
27	SPARE	20/1		0	1.2	20/1	COLD PLUNGE 2	28
29	SIGN	20/1			1.2	1.2	20/1	COLD PLUNGE 3	30
31	U/C REFRIG.	20/1	0.6	1.2		20/1	COLD PLUNGE 4	32
33	U/C REFRIG.	20/1		0.6	1.2	20/1	COLD PLUNGE 5	34
35	SHOW WINDOWS	20/1			0.36	1.2	20/1	COLD PLUNGE 6	36
37	WH-1	20/1	1	1.2		20/1	COLD PLUNGE 7	38
39	SPARE	20/1		0	1.2	20/1	COLD PLUNGE 8	40
41	SPARE	20/1			0	1.2	20/1	COLD PLUNGE 9	42
	TOTAL CONNECTED KVA BY PHASE		9.52	9.46	9.16			
	TOTAL CONNECTED AMPS BY PHASE		79.3	78.8	76.3			

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	1.2	1.5	(125%)	CONTINUOUS	0	0	(125%)
LARGEST MOTOR	1.2	1.5	(125%)	HEATING	0	0	(N/A)
OTHER MOTORS	9.6	9.6	(100%)	COOLING	0	0	(N/A)
RECEPTACLES	14.9	12.5	(50%>10)	NONCONTINUOUS	1.2	1.2	(100%)
				KITCHEN EQUIP	0	0	(N/A)
				DIVERSE	0	0	(N/A)
				METERED DEMAND	0	0	(125%)
				TOTAL KVA	28.1	26.3	

BALANCED THREE PHASE AMPS 72.9

MECHANICAL EQUIPMENT SCHEDULE

CALLOUT TAG	VOLTS AND PHASE	BREAKER	CIRCUIT	WIRE CALLOUT	DISCONNECT NOTE 1
EF-1	208V 1-PH 2W	20/2	RPA-20,22	1/2"C,2#12,#12G	30/3/NF
RTU-1	208V 3-PH 3W	25/3	RPA-2,4,6	1/2"C,3#10,#10G	60/3/NF/3R
RTU-2	208V 3-PH 3W	25/3	RPA-8,10,12	1/2"C,3#10,#10G	60/3/NF/3R
WH-1	208V 3-PH 3W	60/3	RPA-14,16,18	1"C,3#4,#10G	60/3/NF



SEE FEEDER SCHEDULE FOR TAG ID (TYPICAL)

1 / E-3 **ELECTRICAL ONE-LINE**
SCALE: NONE

FAULT CURRENT SCHEDULE

DEVICE	FAULT	AIC RATING	L-N VOLTS
MS-ML	20,742	65,000	120V
RPA	6,374	10,000	120V
RPB	4,775	10,000	120V

CONTRACTOR SHALL CONFIRM UTILITY AND UPSTREAM AIC AND AVAILABLE FAULT LEVELS RECALCULATE AS REQUIRED. EXISTING FAULT LEVELS AT "MS-ML" BASED UPON 1500KVA UTILITY PAD MTD XFMR.

FEEDER SCHEDULE

ID	FEEDER AMPS	CONDUIT AND FEEDER	FEEDING THESE DEVICES
(11)	200	2"C,3#3/0,#3/0N,#6G	RPA, RPB

SIZING METHOD: COPPER, 60°C #12 THROUGH #1, 75°C 1/0 AND ABOVE

No.	REVISION/DESCRIPTION	DATE:	BY:
1	corporate and LL review	11.15.24	* *

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RECISTERED PROFESSIONAL ENGINEER No. 14194328-2202 CRAWFORD MURPHY STATE OF UTAH

SWTHZ APPROVED

SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake City, UT 84106

PROJECT: RENOVATION FOR

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: E-3

COMcheck Software Version COMcheckWeb

Envelope Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: SWTHZ-SUGARHOUSE
Location: Salt Lake City, Utah
Climate Zone: 5b
Project Type: New Construction

Construction Site:
1138 WILMINGTON AVE
SALT LAKE CITY, Utah 84106

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)

Credits: 10.0 Required 0.0 Proposed

Building Area	Floor Area
1-Retail : Nonresidential	2200

Envelope Assemblies

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

Envelope TBD: Efficiency package credits below minimum required

COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: SWTHZ-SUGARHOUSE
Project Type: New Construction

Construction Site:
1138 WILMINGTON AVE
SALT LAKE CITY, Utah 84106

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)

Credits: 10.0 Required 0.0 Proposed

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Retail	2200	0.84	1848
		Total Allowed Watts =	1848

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-Retail				
LED: A2: LED Panel 33W:	1	3	30	90
LED: B: LED PAR 20W:	1	36	21	756
			Total Proposed Watts =	846

Interior Lighting PASSES: Design 54% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version COMcheckWeb

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: SWTHZ-SUGARHOUSE
Project Type: New Construction
Exterior Lighting Zone 0 (Unspecified)

Construction Site:
1138 WILMINGTON AVE
SALT LAKE CITY, Utah 84106

Owner/Agent:

Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
			Total Tradable Watts (a) =	0
			Total Allowed Watts =	0
			Total Allowed Supplemental Watts (b) =	350

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 350 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Exterior Lighting TBD: Exterior lighting zone not specified (see project screen)

COMcheck Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: SWTHZ-SUGARHOUSE
Location: Salt Lake City, Utah
Climate Zone: 5b
Project Type: New Construction

Construction Site:
1138 WILMINGTON AVE
SALT LAKE CITY, Utah 84106

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)

Credits: 10.0 Required 0.0 Proposed

Mechanical Systems List

Quantity System Type & Description

1 RTU-1 (Single Zone):
Single Package Heat Pump
Heating Mode: Capacity = 41 kBtu/h,
Proposed Efficiency = 6.70 HSPF2, Required Efficiency = 6.70 HSPF2
Cooling Mode: Capacity = 46 kBtu/h,
Proposed Efficiency = 13.40 SEER2, Required Efficiency = 13.40 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00

1 RTU-2 (Single Zone):
Single Package Heat Pump
Heating Mode: Capacity = 41 kBtu/h,
Proposed Efficiency = 6.70 HSPF2, Required Efficiency = 6.70 HSPF2
Cooling Mode: Capacity = 46 kBtu/h,
Proposed Efficiency = 13.40 SEER2, Required Efficiency = 13.40 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 98.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical and service water heating systems and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks. Hot water system sized per manufacturer's sizing guide.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.13.2, C403.13.3 [FO9][3]	Snow/ice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature above 50F and outdoor temperature above 40F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

EN-1 6-Dec-24

No.	REVISION/DESCRIPTION	DATE:	BY:
A	corporate and LL review	11.15.24	*

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REGISTERED PROFESSIONAL ENGINEER
No. 14194328-2202
CRAWFORD MURPHY
STATE OF UTAH

PROJECT: RENOVATION FOR
SWTHZ
contrast therapy suites
1138 Wilmington Ave
Salt Lake City, UT 84106

DRAWN:
DATE: 11.15.24
SCALE: SEE PLAN
JOB NO:
SHEET: EN-1

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41][3]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.8.1 [ME65][3]	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values.*
C403.8.3 [ME117][3]	Fans have a fan energy index (FEI) >= 1.00. Variable volume fans will have an FEI >= 0.95.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Fans included in equipment having certified seal for air or energy performance of the equipment package.
C403.8.3 [ME117][3]	Fans have a fan energy index (FEI) >= 1.00. Variable volume fans will have an FEI >= 0.95.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Fans included in equipment having certified seal for air or energy performance of the equipment package.
C403.9 [ME144][2]	Large diameter fans where installed shall be tested and labeled in accordance with AMCA 230.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.3 [ME55][2]	HVAC equipment efficiency verified.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
C403.2.2 [ME59][1]	Natural or mechanical ventilation is provided in accordance with international Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.1 [ME59][1]	Demand control ventilation provided for spaces >500 ft2 and >15 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.2 [ME115][1]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.6 [ME141][1]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.4 [ME57][1]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.5 [ME116][3]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.3.3.2 [ME121][3]	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1.4 [ME63][2]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C408.2.2.1 [ME53][3]	Air outlets and zone terminal devices have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3.1, C403.11.3.2 [ME123][3]	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.11.3.1 and refrigeration compressor systems that comply with C403.11.3.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.2, C405.2.2.1 [EL21][1]	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23][2]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces. C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.5 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.7 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.8 [EL27][1]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.9.1, C405.9.2 [EL28][2]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.10 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.1.1 [EL30][2]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.11, C405.11.1 [EL31][2]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][3]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.3, C408.2.5.3 [FI8][3]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.1 [FI27][3]	HVAC systems and equipment capacity does not exceed calculated loads.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.1 [FI42][3]	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.2 [FI38][3]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.3 [FI20][3]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.2 [FI39][3]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.4.2.1, C403.4.2.2 [FI40][3]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C408.1.1 [FI57][3]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.1 [FI28][1]	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.3.1 [FI31][1]	HVAC equipment, systems and system-to-system relationships have been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.2 [FI10][1]	HVAC and service water heating control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.4 [FI29][1]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5 [FI7][1]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5 [FI16][1]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI43][1]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.2 [FI30][1]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

No.	REVISION/DESCRIPTION	DATE:	BY:
A	corporate and LL review	11.15.24	* *

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REGISTERED PROFESSIONAL ENGINEER
No. 14194328-2202
CRAWFORD MURPHY
STATE OF UTAH

PROJECT: RENOVATION FOR
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contrast therapy suites
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