# SYMBOLS KEY

DRAWING TITLE TAG

XX NAME — DRAWING TITLE
NTS — DRAWING SCALE
DETAIL NUMBER
NORTH ARROW

DETAIL TAGS

DETAIL NUMBER
XX / XX
SHEET DESIGNATION

DETAIL TAGS

DETAIL NUMBER
XX / XX
SHEET DESIGNATION
XX / XX
DETAIL CALLOUT
SECTION TAG

XX / XXXX / XX
DETAIL NUMBER
SHEET DESIGNATION
XX / XX
INTERIOR ELEVATION TAG
EXTERIOR ELEVATION TAG

TAG SYMBOLS

XX — INTERIOR DOOR TAG
XX — EQUIPMENT TAG
XX — GLAZING / EXTERIOR DOOR TAG
XX — KEYNOTE TAG
XX — REVISION TAG
ELEVATION ITEM
R-XXX
R-XX-XX*
ELEVATION
ELEVATION TAG
WALL FINISH
XXXX
XXXX
BASE FINISH
FINISH TAG
FLOOR FINISH
XXX
XXX
FLOOR FINISH
FLOOR FINISH TAG
XX — WALL TYPE TAG
ROOM NAME
NM1
RM-NO
ROOM NUMBER
ROOM TAG

DRAWING SYMBOLS

XX — COLUMN TAG
MATCH LINE
CENTER LINE
BREAK LINE

RESPONSIBILITY SCHEDULE

| PHASE | EXISTING | LANDLORD FURNISH | LANDLORD INSTALL | TENANT GC FURNISH | TENANT GC INSTALL | FRANCHISE OWNER FURNISH | FRANCHISE OWNER INSTALL | REMARKS |
|---|---|---|---|---|---|---|---|---|
| **PRE-CONSTRUCTION** | | | | | | | | |
| PERMIT AND FEES (CITY/MALL) | | | | X | | | | GC TO SUBMIT CHANGE ORDER TWITH NO MARKUP FOR PERMIT COST |
| BARRICADE | | | | X | X | | | |
| BARRICADE GRAPHICS | | | | | X | X | | GC TO PROVIDE VERIFIED FIELD DIMENSIONS |
| TRASH REMOVAL / DUMPSTERS | | | | X | X | | | |
| ASBESTOS & HAZARD ABATEMENT | | X | X | | | | | ANY ASBESTOS OR HAZARDOUS MATERIALS DISCOVERED SHALL BE IMMEDIATELY REPORTED TO LANDLORD, FRANCHISE OWNER, WOODHOUSE, AND ARCHITECT. LANDLORD SHALL ABATE HAZARDS ACCORDING TO STATE AND FEDERAL REQUIREMENTS AND PROVIDE WRITTEN CERTIFICATION OF COMPLETION OF ABATEMENT. |
| **GENERAL CONSTRUCTION** | | | | | | | | |
| DEMOLITION | | | | X | X | | | |
| DEMISING WALLS - METAL STUDS | X | | | | | | | IF NOT EXISTING, CONFIRM IF LANDLORD SCOPE, OTHERWISE INSTALL |
| DEMISING WALLS - GYP BOARD | X | | | | | | | IF NOT EXISTING, CONFIRM IF LANDLORD SCOPE, OTHERWISE INSTALL |
| DEMISING WALLS - INSULATION | X | | | | | | | IF NOT EXISTING, CONFIRM IF LANDLORD SCOPE, OTHERWISE INSTALL |
| INTERIOR WALLS - STUDS | | | | X | X | | | |
| INTERIOR WALLS - GYP BOARD | | | | X | X | | | |
| INTERIOR WALLS - INSULATION | | | | X | X | | | |
| ACT CEILING AND GRID | | | | X | X | | | |
| HARD CEILING - FRAMING | | | | X | X | | | |
| HARD CEILING - GYP BOARD | | | | X | X | | | |
| AXIOM COVE | | | | X | X | | | |
| TREATMENT ROOM CEILING PLANKS | | | | X | X | | | |
| CEILING BEAMS - ENTRY AND QUIET ROOM | | | | X | X | | | |
| DOORS AND FRAMES | | | | X | X | | | |
| DOOR HARDWARE | | | | X | X | | | |
| REAR SERVICE DOOR | X | | | | | | | |
| PAINTING | | | | X | X | | | |
| WALL COVERINGS | | | | X | X | | | |
| FOCAL WALL (MOSS WALL) | | | | X | X | | | |
| FLOOR PREPARATION | | | | X | X | | | |
| FLOOR PROTECTION | | | | X | X | | | |
| FLOORING TRANSITIONS | | | | X | X | | | |
| SALT ROOM AND ALL COMPONENTS | | | | X | X | | | |
| WALL BASE | | | | X | X | | | |
| LVT FLOORING | | | | X | X | | | |
| TILE WALL AND FLOORING | | | | X | X | | | |
| CARPET/WALK-OFF MAT | | | | X | X | | | |
| INTERIOR SIGNAGE | | | | | | X | X | GC TO COORDINATE INSTALL DATES WITH OWNER'S VENDOR |
| **ELECTRICAL** | | | | | | | | |
| ELECTRICAL SERVICE | X | | | | | | | GC SHALL CONFIRM RESPONSIBILITY WITH ARCHITECT |
| METER SOCKETS | X | | | | | | | GC SHALL CONFIRM RESPONSIBILITY WITH ARCHITECT |
| ELECTRICAL PANELS | X | | | | | | | GC SHALL CONFIRM RESPONSIBILITY WITH ARCHITECT |
| TRANSFORMERS | | | | X | X | | | GC SHALL CONFIRM RESPONSIBILITY WITH ARCHITECT |
| MAIN SIGN WHIP | | | | X | X | | | |
| WIRING, CIRCUITING, DEVICES | | | | X | X | | | |
| ELECTRICAL CONTROL SYSTEMS (EMS) | | | | X | X | | | |
| EMERGENCY & EXIT LIGHTING | | | | X | X | | | LIGHTING PACKAGE SUPPLIED BY OWNER'S VENDOR (REQUIRED) |
| LIGHT FIXTURES | | | | X | X | | | LIGHTING PACKAGE SUPPLIED BY OWNER'S VENDOR (REQUIRED) |
| LAMPS | | | | X | X | | | LIGHTING PACKAGE SUPPLIED BY OWNER'S VENDOR (REQUIRED) |
| CASH WRAP WIRING | | | | X | X | | | |
| FIRE ALARM SYSTEMS | | | | X | X | | | GC TO CONFIRM IF LANDLORD SUB REQUIRED |
| TELECOM / DATA WIRING | | | | | | X | X | GC TO COORDINATE INSTALL DATES WITH OWNER'S VENDOR |
| CONDUIT | | | | X | X | | | GC TO CONFIRM IF LANDLORD SUB REQUIRED |
| POS / TELEPHONE SYSTEM | | | | | | X | X | GC TO COORDINATE INSTALL DATES WITH OWNER'S VENDOR |
| SECURITY ALARM SYSTEM / CCTV | | | | | | X | X | GC TO COORDINATE INSTALL DATES WITH OWNER'S VENDOR |
| SOUND SYSTEM / SOUND MASKING | | | | | | X | X | GC TO COORDINATE INSTALL DATES WITH OWNER'S VENDOR |
| TRENCHING/CORING (ELECTRICAL) | | | | X | X | | | |
| **MECHANICAL** | | | | | | | | |
| HVAC UNITS | | | | X | X | | | GC SHALL CONFIRM RESPONSIBILITY WITH ARCHITECT |
| ROOF WORK | | | | X | X | | | GC TO CONFIRM IF LANDLORD SUB REQUIRED |
| DOMESTIC WATER SERVICE | X | | | | | | | UNLESS OTHERWISE NOTED IN WORK LETTER OR LEASE |
| GAS SERVICE | X | | | | | | | UNLESS OTHERWISE NOTED IN WORK LETTER OR LEASE |
| HVAC UNIT CURB | | | | X | X | | | UNLESS OTHERWISE NOTED IN WORK LETTER OR LEASE |
| HVAC DISTRIBUTION | | | | X | X | | | |
| AIR BALANCING | | | | X | X | | | |
| EXHAUST FANS AND VENTING | | | | X | X | | | |
| DUCT DETECTORS | | | | X | X | | | |
| SMOKE EVACUATION SYSTEM | | | | X | X | | | GC TO CONFIRM IF LANDLORD SUB REQUIRED |
| FIRE SPRINKLER SERVICE & MAIN(S) | X | | | | | | | GC TO CONFIRM IF LANDLORD SUB REQUIRED |
| FIRE SPRINKLER MODIFICATIONS | | | | X | X | | | GC TO CONFIRM IF LANDLORD SUB REQUIRED |
| **PLUMBING** | | | | | | | | |
| TRENCHING/CORING (PLUMBING) | | | | X | X | | | |
| HOT WATER HEATER | | | | X | X | | | |
| PLUMBING FIXTURES | | | | X | X | | | |
| **FIXTURES & FURNISHINGS** | | | | | | | | |
| MILLWORK PACKAGE | | | | | | X | X | OWNER'S MILLWORKER SUPPLY AND INSTALL |
| MILLWORK PLUMBING AND POWER CONNECTIONS | | | | | X | X | | OWNER'S MILLWORKER TO SUPPLY SINKS ONLY, GC MAKE CONNECTIONS |
| BOH AND OFFICE MILLWORK | | | | | | X | X | UNLESS NOTED OTHERWISE IN DRAWINGS |
| CLOSET SHELVING AND MILLWORK | | | | X | X | | | |
| DELIVERY, UNBOXING, PLACING SEATING EQUIPMENT & TABLES | | | | | X | X | | |
| LANDSCAPING, PLANTERS, ETC. | | | | X | X | | | |
| INTERIOR PLANTS / GREENERY | | | | | | X | X | |
| DRAPERY | | | | | X | X | | |
| SLATWALL | | | | X | X | | | |
| TOILET ROOM ACCESSORIES | | | | X | X | | | |
| REFRIGERATORS, COOLERS, DISHWASHER, ICEMAKER, INSTA-HOT | | | | X | X | | | |
| SAUNA, SALT UNIT, VITALITY BOOTH, REDLIGHT BEDS | | | | | X | X | | |
| **STOREFRONT** | | | | | | | | |
| STORE FRONT SIGNAGE | | | | | | X | X | GC TO COORDINATE INSTALL DATES WITH OWNER'S VENDOR |
| NEUTRAL PIERS & LANDLORD BULKHEAD | | | | X | X | | | COORDINATE MATERIALS WITH LANDLORD |
| STORE FRONT SYSTEM | X | | | | | | | UNLESS NOTED OTHERWISE IN THE DRAWINGS |
| STORE FRONT GLASS | X | | | | | | | UNLESS NOTED OTHERWISE IN THE DRAWINGS |
| STORE FRONT DOORS, HARDWARE, CLADDING, NICHIHA | | | | X | X | | | |
| ENTRANCE TILES | | | | X | X | | | COODINATE WITH LANDLORD |
| BLADE SIGN | | | | | | X | X | GC TO COORDINATE INSTALL DATES WITH OWNER'S VENDOR |
| **POST CONSTRUCTION** | | | | | | | | |
| FIRE EXTINGUISHERS | | | | X | X | | | |
| FINAL CLEANING - OCCUPANCY PREP | | | | X | X | | | 1 FINAL CONSTRUCTION CLEANING PRIOR TO TURNOVER, 1 TOUCH-UP CLEAN PRIOR TO OPENING |
| POST CONSTRUCTION DUMPSTERS | | | | X | X | | | |
| CERTIFICATE OF OCCUPANCY (TEMP AND OFFICIAL) | | | | X | X | | | |
| CERTIFIED AS-BUILT SUBMITTALS (ARCH, MEP, FP) | | | | X | X | | | MUST BE PROVIDED NO LATER THAN 2 WEEKS AFTER TURNOVER |
| GC WARRANTY SUBMITTED TO FRANCHISEE AND WOODHOUSE | | | | X | X | | | MUST BE SUBMITTED BY GC AT TURNOVER |
| ALL WARRANTY BOOKS AND PAPERWORK COMPLETED | | | | X | X | | | MUST BE PROVIDED NO LATER THAN 2 WEEKS AFTER TURNOVER |
| OPERATION MANUALS PROVIDED | | | | X | X | | | MUST BE PROVIDED NO LATER THAN 2 WEEKS AFTER TURNOVER |

NOTES:
1. ITEMS LISTED IN THE WORK LETTER AND IN THE BID CLARIFICATIONS SUPERCEDE ITEMS LISTED IN THE SCHEDULE ABOVE.
2. ANY AND ALL REFERENCES TO THE SCOPE APPLY TO G.C. UNLESS SPECIFICALLY NOTED OTHERWISE OR "BY LANDLORD"
3. FOR ANY CONFLICT OR DESCREPENCIES BETWEEN THIS SCHEDULE AND ANOTHER CONTRACT DOCUMENT, THE DOCUMENT THAT INDICATES OR IMPLIES AN ITEM IS G.C. SCOPE SHALL APPLY.
4. INTERIOR FITOUT OF CLOSETS TO BE FURNISHED AND INSTALLED BY MILLWORKER

5. THE G.C. AND EACH SUB-CONTRACTOR WILL BE RESPONSIBLE FOR REVIEWING THE CONTRACT DOCUMENTS IN FULL AND IDENTIFYING THEIR RESPECTIVE SCOPES OF WORK. WORK INDICATED OR IMPLIED ON THE DRAWINGS AND/OR REQUIRED FOR COMPLETE OPERATION AND/OR REQUIRED FOR CODE COMPLIANT INSTALLATION SHALL BE DEEMED AS INCLUDED IN THE CONTRACTOR AND SUB-CONTRACTOR CONTRACT SUM.

# ABBREVIATIONS

| | |
|---|---|
| anchor bolt | |
| ABV | above |
| AD | area drain |
| AFF | above finish floor |
| ALUM | aluminum |
| ANN | annunciator |
| APROX | approximate |
| ARCH | architectural |
| AUTO | automatic |
| AVE | avenue |
| AWG | American wire gauge |
| B/ | bottom of |
| BIT | bituminous |
| BLDG | building |
| CL | center line |
| CLG | ceiling |
| CM | centimeter |
| CMU | concrete masonry unit |
| CO | cleanout |
| COL | column |
| CONC | concrete |
| CONT | continuous |
| COORD | coordinate |
| CNTR | center |
| CU | cubic |
| CW | cold water |
| DBL | double |
| DEG | degree |
| DEMO | demolish |
| DEPT | department |
| DET | detail |
| DIA | diameter |
| DIAG | diagonal |
| DN | down |
| DS | downspout |
| DWG | drawing |
| E | East |
| ELEC | electrical |
| EM | emergency |
| EXIST | existing |
| EXT | exterior |
| F/ | face of |
| FA | fire alarm |
| FCO | floor clean out |
| FD | floor drain |
| FNDN | foundation |
| FF | finish floor |
| FLR | floor |
| FT | foot (feet) |
| FTG | footing |
| FURR | furring |
| GA | gauge |
| GALV | galvanized |
| GND | ground |
| GWB | gypsum wall board |
| GYP | gypsum |
| HB | hose bib |
| HDWH | hardwood |
| HDWR | hardware |
| HR | hour |
| HT | height |
| HW | hot water |
| ID | inside diameter |
| IN | inches |
| INCL | include(d)(ing) |
| INSUL | insulation |
| INT | interior |
| KO | knockout |
| KIT | kitchen |
| LAM | laminate(s) |
| LAV | lavatory |
| LB(S) | pound(s) |
| LL | landlord |
| LT | light |
| M | meter |
| MAINT | maintenance |
| MAS | masonry |
| MAX | maximum |
| MECH | mechanical |
| MTL | metal |
| MEZZ | mezzanine |
| MFR | manufacturer |
| MIN | minimum |
| MISC | miscellaneous |
| MM | millimeter |
| MO | masonry opening |
| MULL | mullion |
| N | North |
| N.I.C. | not in contract |
| NO. | number |
| NOM | nominal |
| NTS | not to scale |
| OA | overall |
| OC | on center |
| OD | outside diameter |
| OH | overhead |
| OPNG | opening |
| PL | plate |
| P-LAM | plastic laminate |
| PLBG | plumbing |
| PLUMB | plumbing |
| PNL | panel |
| PNT | paint |
| PT | pressure treated |
| QT | quarry tile |
| R | riser |
| RD | roof drain |
| REF | refrigerator |
| REINF | reinforced |
| REQ'D | required |
| REV | revision |
| RFG | roofing |
| RM | room |
| RMV | remove |
| RO | rough opening |
| S | South |
| SAFB | sound attenuation fire batt insulation |
| SAN | sanitary |
| SECT | section |
| SF | square foot (feet) |
| SIM | similar |
| SQ | square |
| SS | stainless steel |
| STC | sound transmission class |
| STD | standard |
| STL | steel |
| STRUCT | structural |
| T | tread |
| T/ | top of |
| T&B | top and bottom |
| T&G | tongue and groove |
| TEL | telephone |
| TEMP | tempered |
| TOPO | topography(ic) |
| TYP | typical |
| UNO | unless noted otherwise |
| UTIL | utility |
| VAC | vacuum |
| VTR | vent through roof |
| VIF | verify in field |
| W | West |
| W/ | with |
| W/O | without |
| WC | water closet |
| WH | water heater |
| WIN | window |
| WWF | welded wire fabric |
| YD | yard |

PLOT DATE: 3/14/2025 2:53 PM PLOTTED BY: KEVIN PADLEY

# WOODHOUSE™

## 1121 MILITARY CUTOFF RD.
## WILMINGTON, NC 28405

# SCOPE OF WORK

WELLNESS SPA - TENANT IMPROVEMENT OF AN EXISTING TENANT SPACE. WORK TO INCLUDE EXTERIOR SIGNAGE, NON-BEARING INTERIOR PARTITIONS, ACCESSIBLE RESTROOMS, MILLWORK, PLUMBING, MECHANICAL, AND ELECTRICAL DISTRBUTION. NEW FINISHES THROUGHOUT.

# CONTACTS

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## DEFERRED SUBMITTAL:
- FIRE SPRINKLER SYSTEM
- FIRE ALARM SYSTEM
- EXTERIOR SIGNAGE

# DRAWING INDEX


| REV 5 | REV 4 | REV 3 | REV 2 | REV 1 | | |
|---|---|---|---|---|---|---|
| | | | | | **GENERAL** | |
| | | | | | T1-01 | TITLE SHEET |
| | | | | | G1-01 | PROJECT INFO & CODE ANALYSIS |
| | | | | | G1-02 | GENERAL NOTES AND REQUIREMENTS |
| | | | | | G1-10 | ACCESSIBILITY REQUIREMENTS |
| | | | | | G2-01 | SPECIFICATIONS |
| | | | | | G3-01 | CAL-GREEN SHEETS |
| | | | | | G3-02 | CAL-GREEN SHEETS |
| | | | | | G3-03 | CAL-GREEN SHEETS |
| | | | | | LS-01 | LIFE SAFETY PLAN |
| | | | | | **ARCHITECTURAL** | |
| | | | | | D1-1 | 1ST FLOOR DEMOLITION PLAN |
| | | | | | A0-1 | SITE PLAN |
| | | | | | A0-2 | SITE PLAN DETAILS |
| | | | | | A1-11 | 1ST FLOOR PENETRATION PLAN |
| | | | | | A1-21 | 1ST FLOOR PLAN |
| | | | | | A1-31 | 1ST FLOOR DIMENSIONED PLAN |
| | | | | | A1-41 | 1ST FLOOR FINISH PLAN |
| | | | | | A1-51 | 1ST FLOOR EQUIPMENT PLAN |
| | | | | | A2-11 | 1ST FLOOR RCP |
| | | | | | A2-12 | RCP DETAILS |
| | | | | | A2-13 | RCP DETAILS |
| | | | | | A2-14S/L/G | HALLWAY RCP |
| | | | | | A3-1S/L/G | TREATMENT ROOM DETAILS |
| | | | | | A3-2S/L/G | TUB ROOM DETAILS |
| | | | | | A3-3S/L/G | SAUNA ROOM DETAILS |
| | | | | | A3-4S/L/G | NAIL/FLEX ROOM DETAILS |
| | | | | | A3-5S/L/G | SALT ROOM DETAILS |
| | | | | | A3-6S/L/G | QUIET/VIP ROOM DETAILS |
| | | | | | A3-7S/L/G | FRONT OF HOUSE DETAILS |
| | | | | | A4-10 | EXTERIOR ELEVATION AND DETAILS |
| | | | | | A4-50 | INTERIOR DETAILS |
| | | | | | A4-51 | INTERIOR DETAILS |
| | | | | | A4-52 | INTERIOR DETAILS |
| | | | | | A4-53 | INTERIOR DETAILS |
| | | | | | A5-11 | INTERIOR ELEVATIONS |
| | | | | | A5-12 | INTERIOR ELEVATIONS |
| | | | | | A5-13 | ENLARGED RESTROOM PLANS & ELEVATIONS |
| | | | | | A5-14 | ENLARGED RESTROOM PLANS & ELEVATIONS |
| | | | | | A5-15 | ENLARGED RESTROOM PLANS & ELEVATIONS |
| | | | | | A8-1 | WALL TYPES |
| | | | | | A8-1A | WALL DETAILS |

| REV 5 | REV 4 | REV 3 | REV 2 | REV 1 | | |
|---|---|---|---|---|---|---|
| | | | | | A8-2 | EQUIPMENT & FURNITURE SCHEDULES |
| | | | | | A8-3 | FINISH SCHEDULES |
| | | | | | A8-4 | FINISH SCHEDULES |
| | | | | | A8-5 | DOOR SCHEDULES AND DETAILS |
| | | | | | A8-6 | DOOR DETAILS |
| | | | | | **MECHANICAL** | |
| | | | | | M-0 | MECHANICAL DEMOLITION PLAN |
| | | | | | M-1 | MECHANICAL FLOOR PLAN |
| | | | | | M-2 | MECHANICAL SCHEDULES |
| | | | | | M-2.1 | MECHANICAL DETAILS & NOTES |
| | | | | | M-3 | MECHANICAL SPECIFICATIONS |
| | | | | | **PLUMBING** | |
| | | | | | P-0 | PLUMBING DEMOLITION PLAN |
| | | | | | P-1 | PLUMBING FLOOR PLAN |
| | | | | | P-2 | PLUMBING SCHEDULES |
| | | | | | P-2.1 | PLUMBING DETAILS & NOTES |
| | | | | | P-2.2 | PLUMBING RISER DIAGRAMS |
| | | | | | P-3 | PLUMBING SPECIFICATIONS |
| | | | | | **ELECTRICAL** | |
| | | | | | E-0 | ELECTRICAL DEMOLITION PLAN |
| | | | | | E-1 | ELECTRICAL POWER PLAN |
| | | | | | E-1.1 | ELECTRICAL LIGHTING PLAN |
| | | | | | E-2 | ELECTRICAL SCHEDULES |
| | | | | | E-2.1 | ELECTRICAL SCHEDULES, NOTES, & RISER DIA. |
| | | | | | E-3 | ELECTRICAL SPECIFICATIONS |


MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

CLIENT
WOODHOUSE™

PROJECT
**WOODHOUSE SPAS - WILMINGTON, NC**
1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

SEAL
ERIC L. STYER — REGISTERED ARCHITECT — 12820 — HEALTH CARE FACILITIES — ILLINOIS — BUFFALO GROVE, ILLINOIS
LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT
DxU ARCHITECTS
412 S. Wells Street • Chicago • IL 60607
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CONSULTANTS

ISSUE FOR PERMIT
Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD
Date: 03-14-2025

| No. | Issue |
|---|---|
| 1 | ISSUE FOR PERMIT |

SHEET TITLE & NUMBER
TITLE SHEET
T1-01

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ALL ACCESSIBLE PATH COMPONENTS SHALL BE VERIFIED IN FIELD FOR COMPLIANCE. SEE DETAILS A0-2. NOTIFY ARCHITECT AND CLIENT IF NON-COMPLIANT CONDITIONS ARE DISCOVERED.

TENANT TO MAKE NO EXTERIOR BUILDING MODIFICATIONS SO AS TO RETAIN EXISTING ACCESSIBLE ROUTE OF BUILDING FRONT TO PUBLIC SIDEWALK

TRANSFORMER PAD

NEW METAL FENCING @ EXISTING PLANTING AREA

WATER SERVICE

ELECTRICAL DISCONNECT

EXISTING BUILDING SIDEWALK W/ OVERHANG

PROPOSED WOODHOUSE SPAS SPACE

ROOF ACCESS LADDER

EXISTING ACCESSIBLE PARKING STALL AND PAINTED SYMBOL

EXISTING ACCESSIBLE AISLE WITH W/ "NO PARKING" PAINTED SYMBOL.

EXISTING ACCESSIBLE PARKING SIGNAGE

EXISTING SLOPED ACCESSIBLE PATH TO REMAIN

N

1 SITE PLAN - NO CHANGE
1/16"=1'-0"

NOT FOR CONSTRUCTION

MUNICIPAL APPROVAL STAMP

CLIENT: WOODHOUSE™

PROJECT: WOODHOUSE SPAS - WILMINGTON, NC
1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

SEAL: ERIC L. STYER REGISTERED ARCHITECT 12820 STATE OF ILLINOIS NORTH CAROLINA BUFFALO GROVE, ILLINOIS

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ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

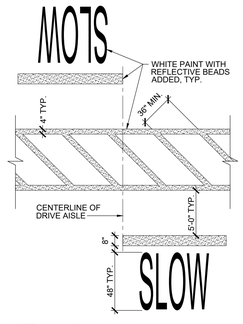
SITE PLAN

A0-1

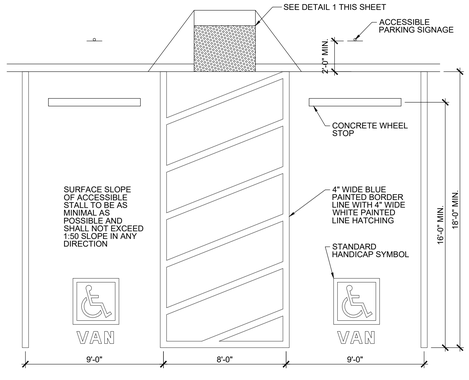
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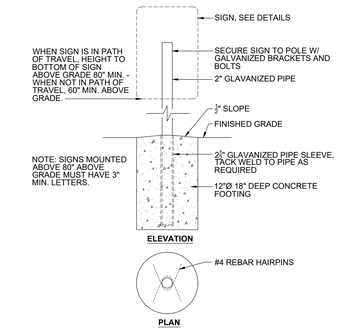
PLOT DATE: 3/14/2025 2:52 PM PLOTTED BY: KEVIN PADLEY



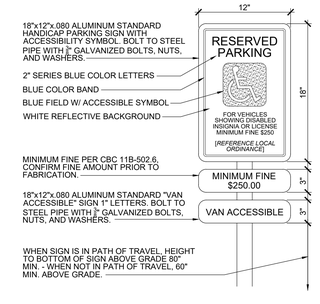

7 CROSSWALK
NTS



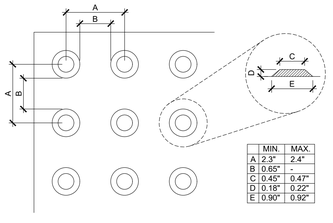

6 ACCESSIBLE PARKING STALL
NTS




5 SIGN POST DETAIL
NTS




4 ACCESSIBLE PARKING SIGN
NTS



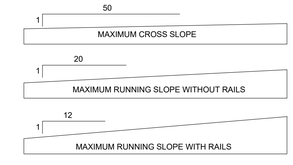

| | MIN. | MAX. |
|---|---|---|
| A | 2.3" | 2.4" |
| B | 0.65" | - |
| C | 0.45" | 0.47" |
| D | 0.18" | 0.22" |
| E | 0.90" | 0.92" |

DOME CONTRAST SHALL COMPLY WITH CBC 11B-705.1.1.3

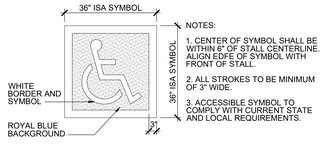
DOMES SHALL BE PLACED ON A SQUARE GRID PER CBC 11B-705.1

TRUNCATED DOMES ON RAMPS MUST EXTEND 36" IN DIRECTION OF TRAVEL AND WULL WIDTH OF THE RAMP EXCLUDING FLARES.

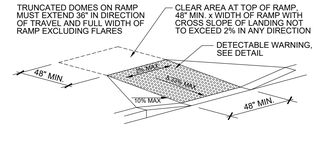
4 TRUNCATED DOME DETECTABLE WARNING
NTS




3 ACCESSIBLE SLOPES
NTS




2 ACCESSIBLE STALL SYMBOL
NTS




1 ACCESSIBLE CURB RAMP
NTS

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NORTH CAROLINA
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LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT

DXU ARCHITECTS
411 Wells Street • Third Floor • Chicago • IL • 60607
t 312 . 313 . 2121 • f . . . .

CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

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SITE PLAN ACCESSIBILITY DETAILS

A0-2

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## KEYNOTES

01 TOILET CONNECTION

02 SINK DRAIN

03 FLOOR DRAIN

04 WATER FOUNTAIN DRAIN, SEE MANUFACTURER SPEC FOR ROUGH IN HEIGHT

05 WASHING MACHINE DRAIN

06 MOP SINK

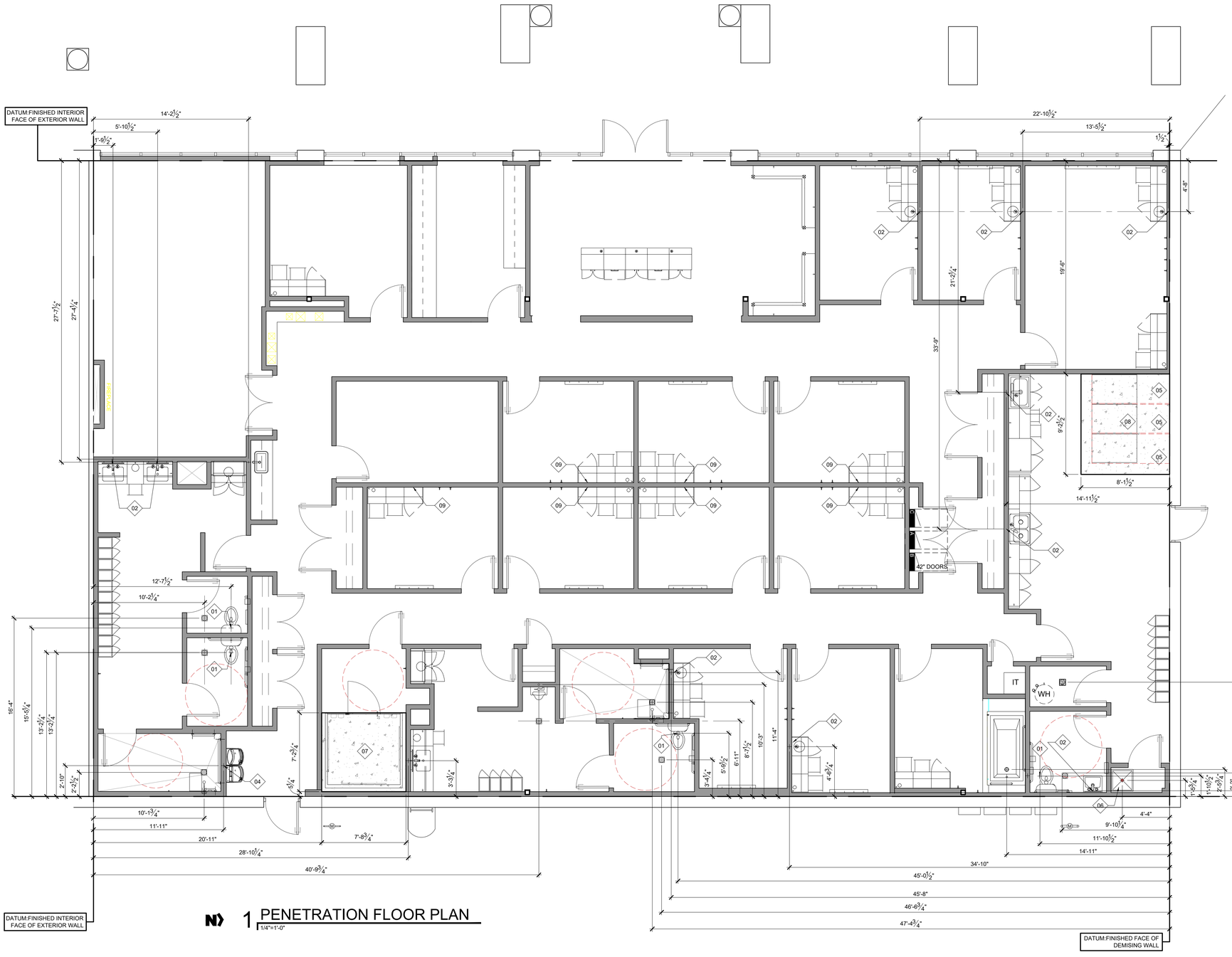
07 NEW RECESSED SLAB FOR SAUNA EQUIPMENT. ALL DIMENSIONS TO BE COORDINATED WITH SELECTED SAUNA SPECS.

08 NEW THICKENED CONCRETE SLAB ON GRADE AT LAUNDRY MACHINES, SEE DETAIL 3 THIS SHEET.

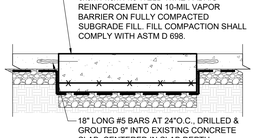
09 PROVIDE PLUMBING CLEANOUTS AT LOCATIONS FOR FUTURE SINKS IN ADJACENT TREATMENT ROOMS. PLUMBING TO RUN DOWN CENTER WALL AS NEEDED.

## PENETRATION PLAN NOTES

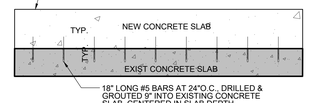
1. CONTRACTOR SHALL SAW CUT EXISTING SLAB AS REQUIRED TO INSTALL UNDERGROUND PIPING. ANY BACK FILL REQUIRED SHALL BE OF ¾" CA-6 COMPACTED GRAVEL LAID IN 6" LIFTS AS REQUIRED.
2. CONTRACTOR SHALL PATCH SLAB AS REQUIRED FOR NEW LAYOUT WITH LIKE CONSTRUCTION. WHERE NEW CONCRETE SLABS SHALL NOT BE LESS THAN 4" IN THICKNESS. PROVIDE LIKE VAPOR BARRIER AS EXISTING CONSTRUCTION.
3. FOR LARGE NON-LINEAR PATCHES THAT ARE IN EXCESS OF 36"x36" SQUARE AREA, PROVIDE DOWELS INTO EXISTING AND NEW SLAB.




1 PENETRATION FLOOR PLAN
1/4"=1'-0"




3 THICKENED LAUNDRY SLAB
3/4"=1'-0"




2 SLAB REINFORCEMENT DTL
1/4"=1'-0" *IF REQUIRED

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PENETRATION PLAN

A1-11

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## KEYNOTES

01 ALL PENETRATIONS IN FIRE RATED ASSEMBLIES SHALL BE SEALED IN ACCORDANCE WITH THE FIRE PENETRATION DETAIL ON SHEET A8-1.

02 COORDINATE ELECTRICAL FOR EXTERIOR WALL SIGNAGE WITH TENANT'S SIGN VENDOR. SIGN PERMIT'S UNDER SEPARATE COVER.

03 PROVIDE 3M OPAQUE FILM ON INSIDE FACE OF WINDOW AND DOOR GLAZING.

04 PROVIDE PREFINISHED ALUMINUM FIN AT WALL END TO GLAZING. PROFILE TO MATCH GAP BETWEEN WALL AND STOREFRONT. FINISH TO MATCH EXISTING STOREFRONT.

05 PROVIDE FLUSH-FINISHED WALL ACCESS PANEL FOR ADJACENT TUB PLUMBING ACCESS. REFERENCE DETAILS.

06 ALL WALL MOUNTED FUNRISHINGS AND DECORATIONS TO BE COORDINATED W/ OWNER PRIOR TO ANCHORING.

## BLOCKING NOTES

PROVIDE FTWD BLOCKING (UON) AT THE FOLLOWING LOCATIONS:

1. ACCESSIBILITY REQUIREMENTS & GRAB BARS AT ALL RESTROOM LOCATIONS
2. RESTROOM ACCESSORIES INCLUDING TOILET STALL PARTITIONS & BABY CHANGING TABLE
3. MILLWORK LOCATIONS - TO BE 6" STRIPS
4. CASEWORK AS REQUIRED BY THE MFR & FOR PROPER SUPPORT
5. MANAGER'S DESK SHELVES
8. LOCKERS

## DIMENSION NOTES

2. DIMENSIONS ARE TO FACE OF EXISTING STOREFRONT FRAME, FINISHED EXTERIOR WALL & FINISHED FACE OF DEMISING WALL

   ALL INTERIOR DIMENSIONS ORIGINATE FROM ESTABLISHED DATUM LINES. ESTABLISH DATUM LINES PRIOR TO LOCATING WALLS, DRAINS, FIXTURES, ETC.

## PLAN GENERAL NOTES

2. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
3. ALL FIRE RATED DOORS TO BE SELF-CLOSING.
4. ALL INTERIOR FINISHES TO BE CLASS A WITH FLAME SPREAD RATING OF 0-25, U.O.N.
5. SEE MECHANICAL DRAWINGS FOR LIGHT AND VENT SCHEDULES.

   DO NOT FASTEN STUDS OR GYPSUM BD. TO TOP RUNNER OF NON-BEARING GYP BD. PARTITIONS. CUT STUDS AND GYP.BD. 1/2" MAX. SHORT TO ALLOW FOR VERTICAL SLAB DEFLECTION.
6. ALL DIMENSIONS TO BE FINISHED SURFACE UNO.
7. GC TO COORDINATE ALL CEILING HEIGHTS WITH BUILDING SYSTEMS. OWNER TO APPROVE ALL CEILING HGTS. BEFORE INSTALLATION.

   THE ARCHITECT WILL NEITHER HAVE CONTROL OVER OR CHARGE OF, NOR BE RESPONSIBLE FOR, THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR THE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RIGHTS AND RESPONSIBILITIES.
9. CONTRACTOR IS REQUIRED TO HANG THE OWNERS INTERIOR SIGN PACKAGE.
10. ALL GLAZED DOORS, ANY GLAZED PANEL ADJACENT TO ANY DOOR & ANY GLAZED PANEL WHICH MEETS ALL OF THE FOLLOWING CONDITIONS SHALL BE TEMPERED GLAZING:

    1. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 S.F.
    2. EXPOSED BOTTOM EDGE LESS THAN 18" A.F.F.
    3. EXPOSED TOP EDGE GREATER THAN 36" A.F.F.
    4. ONE OR MORE WALKING SURFACE(S) WITHIN 36" HORIZONTALLY OF THE PLANE OF THE GLAZING, SHALL ALL BE TEMPERED.

ALL BLOCKING SHALL BE NON-COMBUSTIBLE OR FIRE RETARDANT TREATED WOOD BLOCKING

GC TO FIELD VERIFY ALL EXISTING DIMENSIONS & COLUMN LOCATIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

## WALL TYPE LEGEND

NOTE: REFERENCE WALL TYPE DETAILS FOR EXACT WALL CONSTRUCTION

- EXISTING WALL TO REMAIN
- NEW WALL
- NEW BACKLIT SALT TILE WALL
- NEW 1 HOUR FIRE-RATED WALL
- NEW 2 HOUR FIRE-RATED WALL
- EXISTING 1 HOUR FIRE-RATED WALL
- EXISTING 2 HOUR FIRE-RATED WALL
- EXISTING WALL TO BE DEMOLISHED

1 FLOOR PLAN
1/4" = 1'-0"

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| Project Number: 25-005 | Drawn By: KP / JZ | Approved By: JD | No. | Issue | Date |
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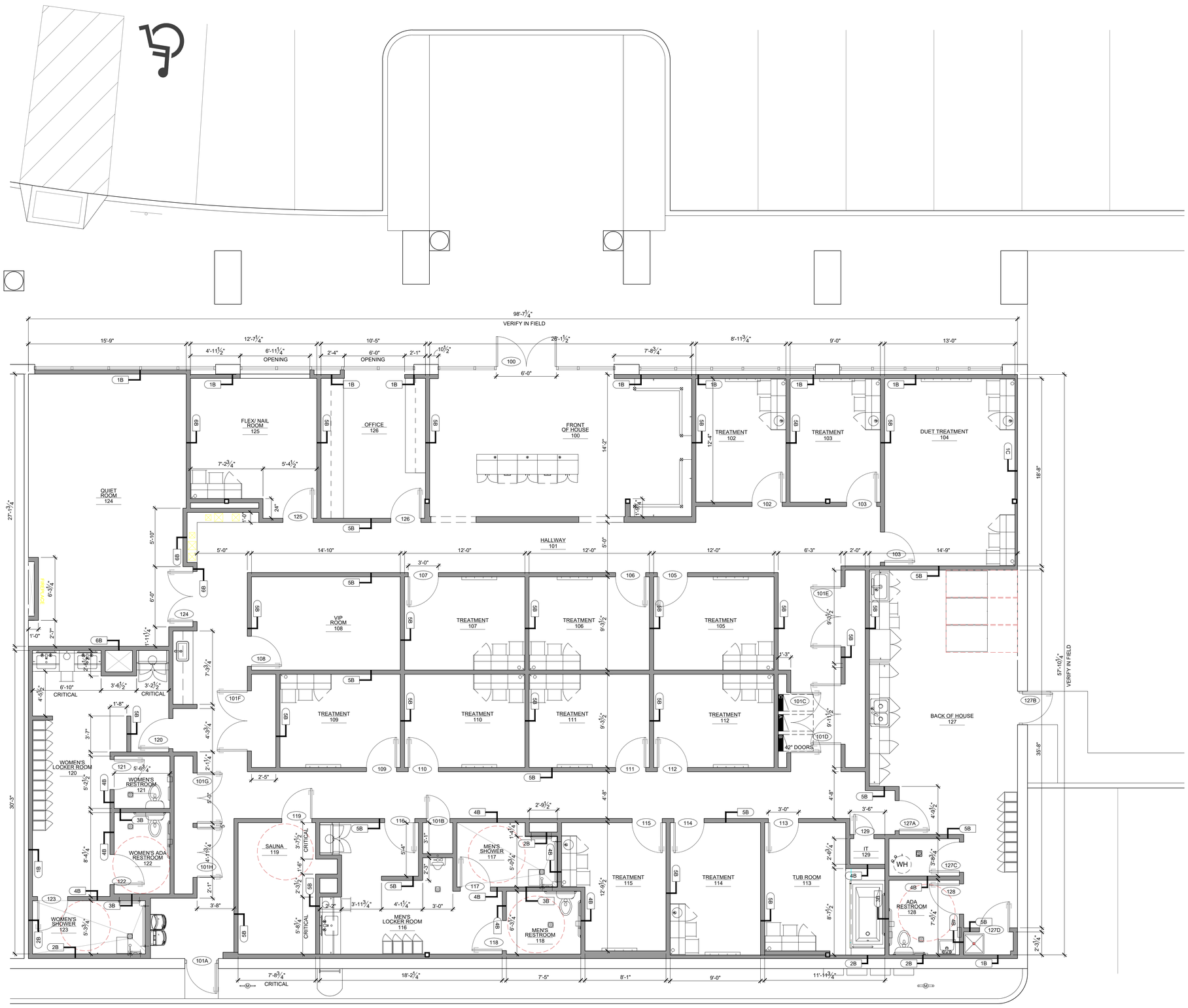
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FLOOR PLAN
LEVEL 01

A1-21

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01 DIMENSIONED FLOOR PLAN 01
NTS

## BLOCKING NOTES

PROVIDE FTWD BLOCKING (UON) AT THE FOLLOWING LOCATIONS:

1. ACCESSIBILITY REQUIREMENTS & GRAB BARS AT ALL RESTROOM LOCATIONS
2. RESTROOM ACCESSORIES INCLUDING TOILET STALL PARTITIONS & BABY CHANGING TABLE
3. MILLWORK LOCATIONS - TO BE 6" STRIPS
4. CASEWORK AS REQUIRED BY THE MFR & FOR PROPER SUPPORT
5. MANAGER'S DESK SHELVES
8. LOCKERS

## DIMENSION NOTES

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## PLAN GENERAL NOTES

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3. ALL INTERIOR FINISHES TO BE CLASS A WITH FLAME SPREAD RATING OF 0-25, U.O.N.
4. SEE MECHANICAL DRAWINGS FOR LIGHT AND VENT SCHEDULES.
5. DO NOT FASTEN STUDS OR GYPSUM BD. TO TOP RUNNER OF NON-BEARING GYP.BD. PARTITIONS. CUT STUDS AND GYP.BD. 1/2" MAX. SHORT TO ALLOW FOR VERTICAL SLAB DEFLECTION.
6. ALL DIMENSIONS TO BE FINISHED SURFACE UNO.
7. GC TO COORDINATE ALL CEILING HEIGHTS WITH BUILDING SYSTEMS. OWNER TO APPROVE ALL CEILING HGTS. BEFORE INSTALLATION.
8. THE ARCHITECT WILL NEITHER HAVE CONTROL OVER OR CHARGE OF, NOR BE RESPONSIBLE FOR, THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR THE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RIGHTS AND RESPONSIBILITIES.
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    2. EXPOSED BOTTOM EDGE LESS THAN 18" A.F.F.
    3. EXPOSED TOP EDGE GREATER THAN 36" A.F.F.
    4. ONE OR MORE WALKING SURFACE(S) WITHIN 36" HORIZONTALLY OF THE PLANE OF THE GLAZING, SHALL ALL BE TEMPERED.

GC TO FIELD VERIFY ALL EXISTING DIMENSIONS & COLUMN LOCATIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

ALL BLOCKING SHALL BE NON-COMBUSTIBLE OR FIRE RETARDANT TREATED WOOD BLOCKING

## WALL TYPE LEGEND

NOTE: REFERENCE WALL TYPE DETAILS FOR EXACT WALL CONSTRUCTION

- EXISTING WALL TO REMAIN
- NEW WALL
- NEW BACKLIT SALT TILE WALL
- NEW 1 HOUR FIRE-RATED WALL
- NEW 2 HOUR FIRE-RATED WALL
- EXISTING 1 HOUR FIRE-RATED WALL
- EXISTING 2 HOUR FIRE-RATED WALL

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DATE OF SIGNATURE: 03-14-2025

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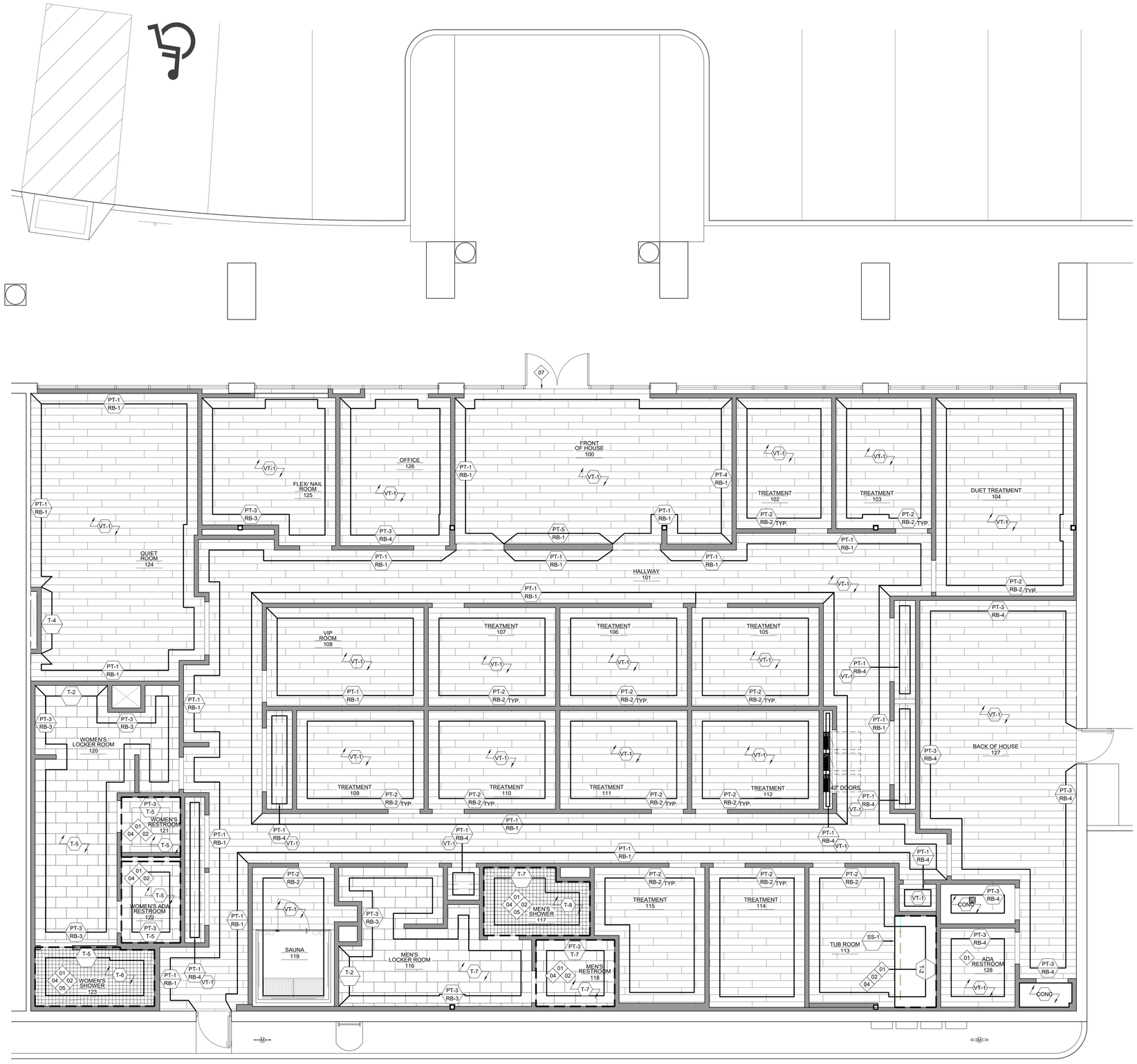
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Approved By: JD
Project Number: 25-005

SHEET TITLE & NUMBER:
DIMENSIONED FLOOR PLAN

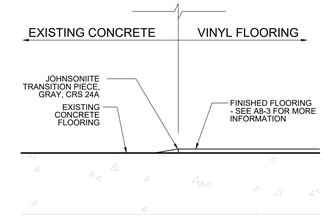
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1 FINISH PLAN
1/4" = 1'-0"




2 TRANSITION DETAIL
NTS

## FINISH KEYNOTES

01 PROVIDE WATERPROOFING MEMBRANE OVER ENTIRE FLOOR AREA AND 18" UP WALLS UNDERNEATH FINISHES. AREAS SHOWN GRAPHICALLY WITH HEAVY DASHED LINE.

02 WALL TILE TO MEET FLOOR FINISH, NO BASE

03 PROVIDE TILE TRIM M-1 AT TOP OF WALL TILE

04 PROVIDE BRUSHED BRASS SCHLUTER TRIM AT CORNERS, TOP, AND BOTTOM OF WALL TILE

05 FLOOR TILE TO SLOPE TOWARDS FLOOR DRAIN.

06 ~~RECESSED WALK OFF MAT. SEE DETAIL~~

07 PROVIDE TRANSITION THRESHOLD FROM RAISED LVT AT VESTIBULE TO LOOSE LAY LVT IN ENTRY

## FINISH GENERAL NOTES

1. ALL DOORS & ASSOCIATED TRIM TO RECEIVE FINISH OF IMMEDIATE ADJACENT WALL FACE. INTERIOR FACE OF DOOR AND HINGE FACE TO RECEIVE SAME FINISH. EXTERIOR FACE OF DOOR AND STRIKE FACE TO RECEIVE SAME FINISH. IF ADJACENT FINISHES ARE NOT PAINT THEN

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FINISH PLAN

A1-41

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## FINISH GENERAL NOTES

1. ALL DOORS & ASSOCIATED TRIM TO RECEIVE FINISH OF IMMEDIATE ADJACENT WALL FACE. INTERIOR FACE OF DOOR AND HINGE FACE TO RECEIVE SAME FINISH. EXTERIOR FACE OF DOOR AND STRIKE FACE TO RECEIVE SAME FINISH. IF ADJACENT FINISHES ARE NOT PAINT THEN

## FINISH KEYNOTES

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02 WALL TILE TO MEET FLOOR FINISH, NO BASE

03 PROVIDE TILE TRIM M-1 AT TOP OF WALL TILE

04 PROVIDE TILE TRIM M-1 AT CORNERS, TOP, AND BOTTOM OF WALL TILE T-2

05 FLOOR TILE TO SLOPE TOWARDS FLOOR DRAIN.

SEE SHEET A8-3 FOR FINISH SCHEDULE




N

1 EQUIPMENT PLAN
1/4" = 1'-0"

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EQUIPMENT PLAN

A1-51

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## KEYNOTES

01 REFER TO ELEVATIONS FOR WALL MOUNTED FIXTURE HEIGHT.

02 ~~LIGHT FIXTURES TO ALIGN WITH CENTERLINE OF MILLWORK BELOW. COORDINATE MILLWORK INSTALLATION WITH LIGHTING.~~

03 EXTERIOR SIGNAGE IS BY SIGNAGE CONTRACTOR UNDER SEPARATE PERMIT. SIGN CONTRACTOR SHALL COORDINATE PERMITS FOR EXTERIOR SIGNAGE.

04 ~~ALL OPEN CEILINGS, AND DUCTING/CONDUIT TO BE SPRAYED P-1.~~

05 ~~ALL FACES OF SOFFIT TO BE PAINTED P-4.~~

06 ~~A.C.T. GRID STARTING POINT.~~

07 ~~COORDINATE SOFFIT HEIGHT WITH LOCKERS. SEE ELEVATIONS FOR LOCKER HEIGHTS.~~

08 ~~L8 TAPE LIGHT UNDER MIRROR. SEE DETAIL SHEETS~~

09 ~~CEILING MOUNTED EM LIGHTING~~

10 ~~IN AREAS WITH OPEN CEILINGS, HOLD ALL DUCTING AND CONDUIT TIGHT TO THE STRUCTURE ABOVE~~

## CEILING FIXTURE LEGEND

- TITUS OMNI 24" SUPPLY
- TITUS 50F 12"x24" RETURN
- TITUS FL-20 1-SLOT SUPPLY
- TITUS TBR-80 4-SLOT RETURN
- L1 — 2'x4' WHITE INTEGRATED LED DIMMABLE FLAT PANEL LIGHT W/ SELECTABLE COLOR TEMPERATURE
- L2 — 6" RECESSED CAN LIGHT
- L2a — 6" WET-RATED RECESSED CAN LIGHT
- L2b — 6" EXTERIOR RECESSED CAN LIGHT
- L3/ L3a — 21" WOVEN PENDANT FIXTURE *MOUNTING HEIGHT:* L3: 6'-6" AFF (RECEPTION & QUIET RM) L3a: 7'-0" AFF (NAIL CHAIRS)
- L4/ L4a — 14" WOVEN PENDANT FIXTURE *MOUNTING HEIGHT:* L4: 7'-4" AFF (RECEPTION & QUIET RM) L4a: 7'-0" AFF (RECEPTION & QUIET RM)
- L8 — LED COVE FIXTURE
- L13 — 14" WOVEN PENDANT FIXTURE *MOUNTING HEIGHT:* L13: 7'-4" AFF (TREATMENT RM)
- S — MUSIC SPEAKER
- ME — SOUND MASKING EMITTER

## 1 EXISTING PLAN

1/4"=1'-0"

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PROJECT

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LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT

DXU ARCHITECTS
413 E. Main Street • Old Main • Chicago • IL • 60607
T 312 313 3334 • W W W . D X U . C O M

CONSULTANTS

ISSUE FOR PERMIT

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

SHEET TITLE & NUMBER

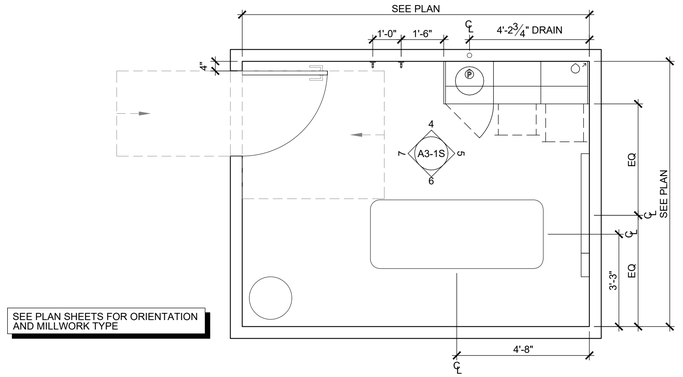
REFLECTED CEILING PLAN

A2-11

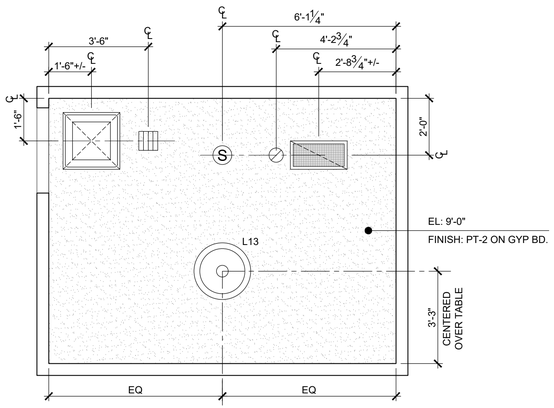
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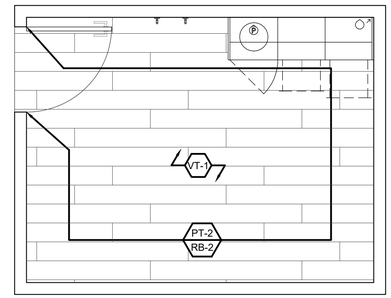
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## 1 TREATMENT ROOM PLAN
3/8"=1'-0"



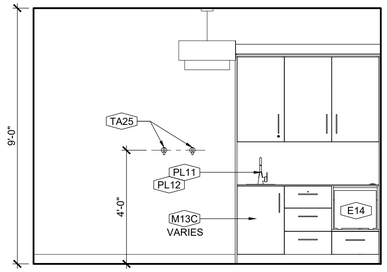

## 2 TREATMENT ROOM RCP
3/8"=1'-0"



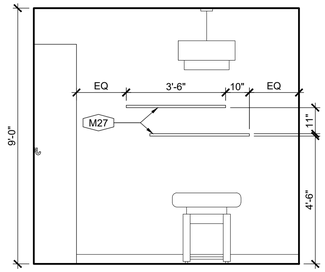

## 3 TREATMENT ROOM FINISH
3/8"=1'-0"

SYMBOL LEGEND

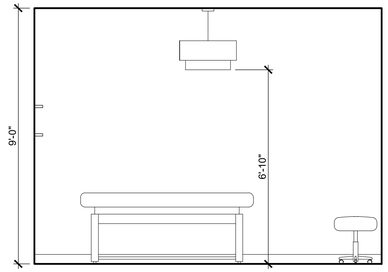
- L2 RECESSED CAN LIGHT
- SPEAKER
- SOUND MASKING SYSTEM
- L13 PENDANT
- TAPELIGHT
- TITUS OMNI SUPPLY REGISTER (SEE MECHANICAL)
- TITUS 50F 12x24 RETURN (SEE MECHANICAL)



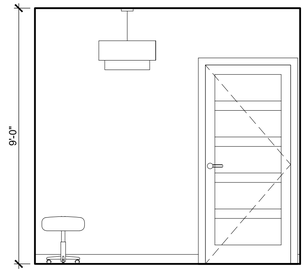

## 4 TREATMENT ROOM
3/8" = 1'-0"



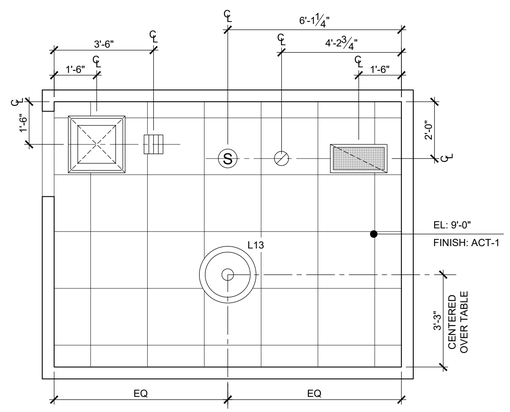

## 5 TREATMENT ROOM
3/8" = 1'-0"




## 6 TREATMENT ROOM
3/8" = 1'-0"




## 7 TREATMENT ROOM
3/8" = 1'-0"




## 2A TREATMENT ROOM RCP -ALTERNATE
3/8"=1'-0"

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P 531.993.9244 • F 844.844.1145
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DATE OF SIGNATURE: XX-XX-XXXX

TEMPLATE SET

Project Number: 24-XXX
Drawn By: XX
Approved By: XX

| No. | Issue | Date |
|---|---|---|
| | TEMPLATE START | 10-31-2024 |

SHEET TITLE & NUMBER

TYPICAL TREATMENT ROOM DETAILS

A3-1S

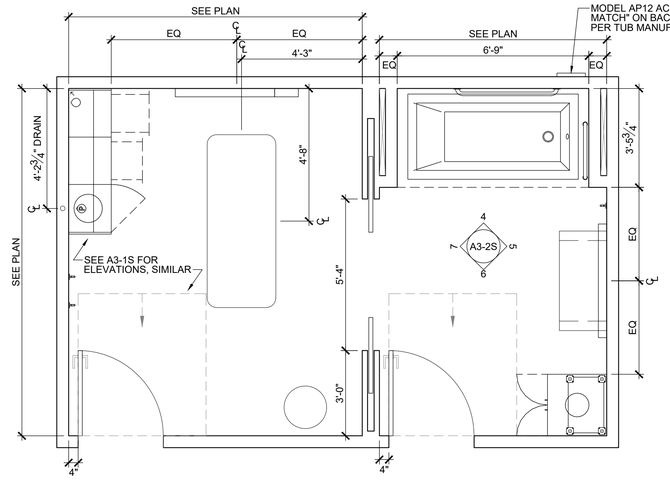
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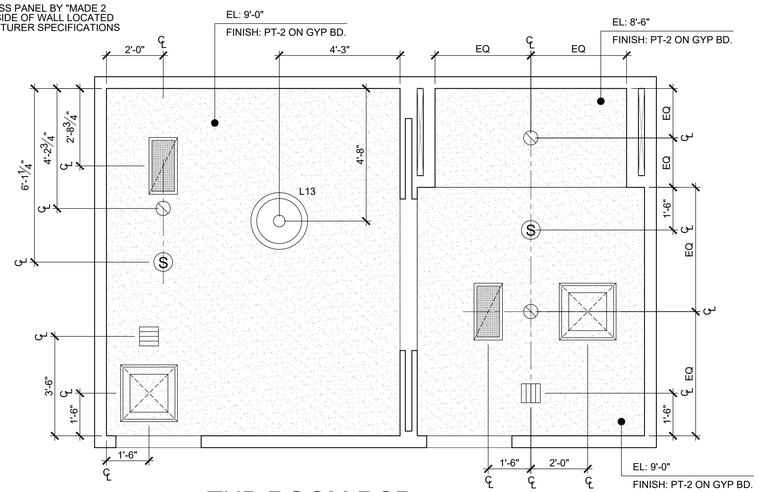
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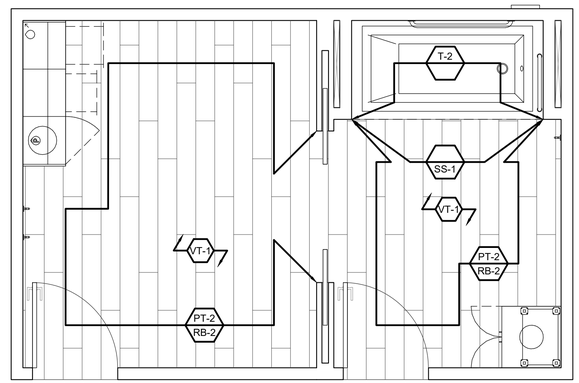



SEE PLAN SHEETS FOR ORIENTATION AND MILLWORK TYPE

## 1 TUB ROOM PLAN
3/8"=1'-0"



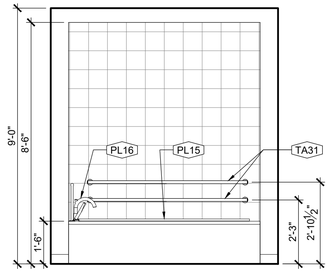

## 2 TUB ROOM RCP
3/8"=1'-0"



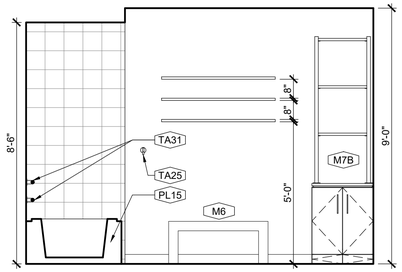

## 3 TUB ROOM FINISH
3/8"=1'-0"

### SYMBOL LEGEND

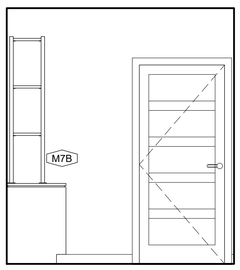
- L2 RECESSED CAN LIGHT
- S SPEAKER
- SOUND MASKING SYSTEM
- L13 L13 PENDANT
- TAPELIGHT
- TITUS OMNI SUPPLY REGISTER (SEE MECHANICAL)
- TITUS 50F 12x24 RETURN (SEE MECHANICAL)




## 4 TUB ROOM
3/8" = 1'-0"



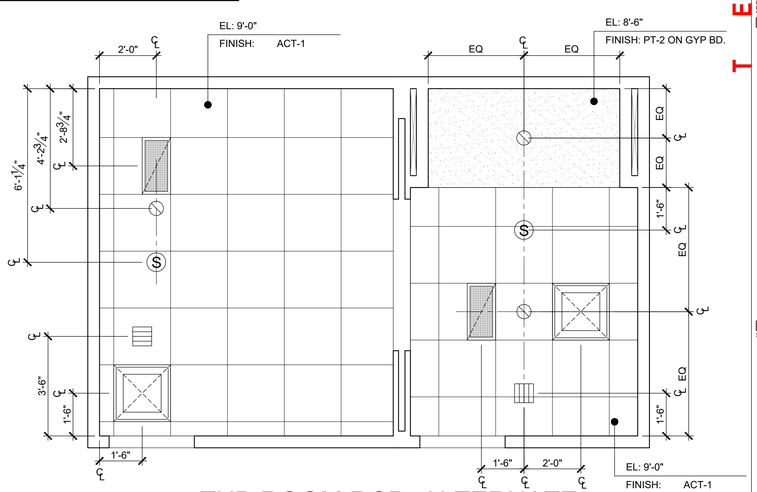

## 5 TUB ROOM
3/8" = 1'-0"




## 6 TUB ROOM
3/8" = 1'-0"




## 7 TUB ROOM
3/8" = 1'-0"




## 2 TUB ROOM RCP -ALTERNATE
3/8"=1'-0"

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ARCHITECT
DXU ARCHITECTS
415 S. 8th St. Suite 200 | Champaign IL | 61820
P: 217.819.3313 | F: 217.819.3314 | E: info@dxu.com

CONSULTANTS

TEMPLATE SET

Project Number: 24-XXX
Drawn By: XX Approved By: XX

| No. | Issue | Date |
|---|---|---|
| | TEMPLATE START | 10-31-2024 |

SHEET TITLE & NUMBER

TYPICAL TUB ROOM DETAILS

A3-2S

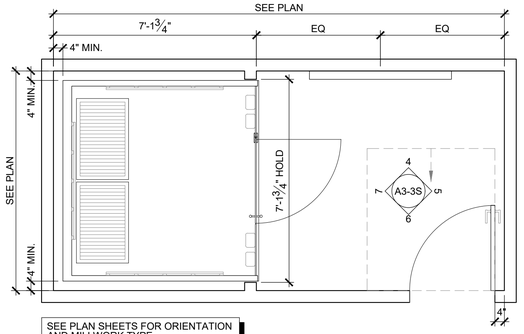
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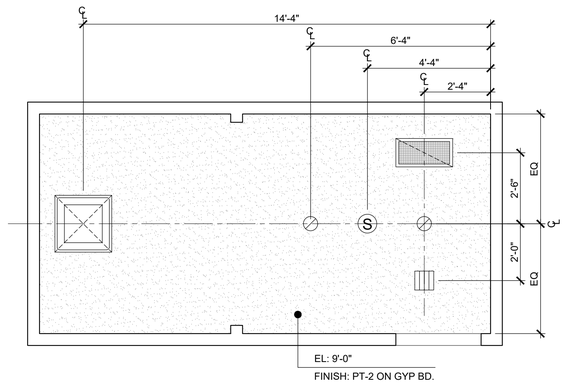
WOODHOUSE - SIGNATURE



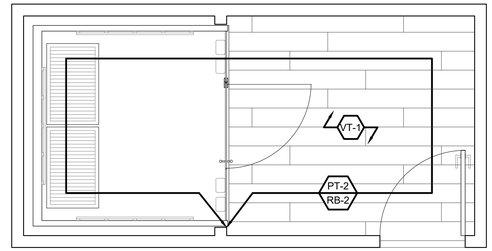

SEE PLAN SHEETS FOR ORIENTATION AND MILLWORK TYPE

COORDINATE SERVICE CLOSET LOCATION W/ SANAUA SPECS

## 1 SAUNA ROOM PLAN
3/8"=1'-0"



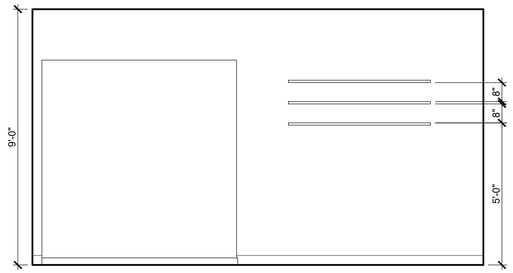

## 2 SAUNA ROOM RCP
3/8"=1'-0"



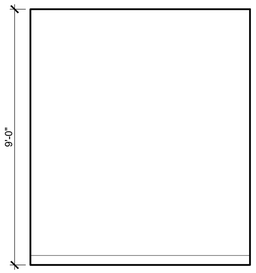

## 3 SAUNA ROOM FINISH
3/8"=1'-0"

## SYMBOL LEGEND

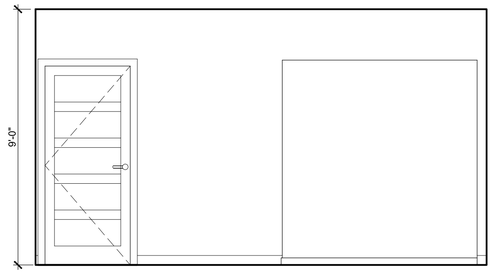
- L2 RECESSED CAN LIGHT
- SPEAKER
- SOUND MASKING SYSTEM
- L13 PENDANT
- TAPELIGHT
- TITUS OMNI SUPPLY REGISTER (SEE MECHANICAL)
- TITUS 50F 12x24 RETURN (SEE MECHANICAL)



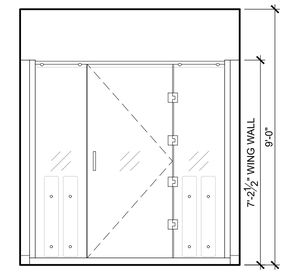

## 4 SAUNA ROOM
3/8" = 1'-0"



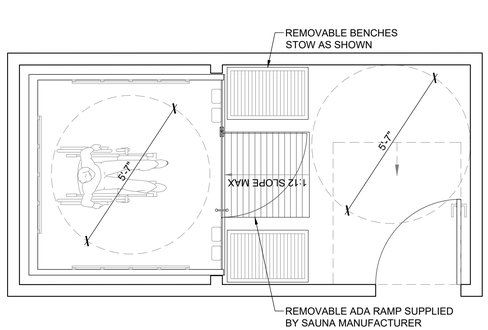

## 5 SAUNA ROOM
3/8" = 1'-0"



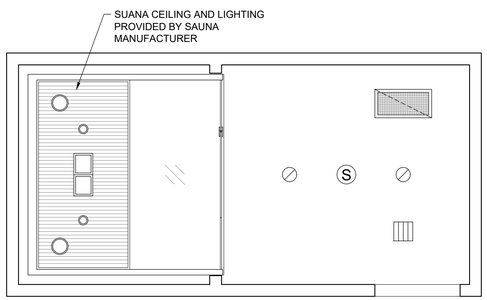

## 6 SAUNA ROOM
3/8" = 1'-0"



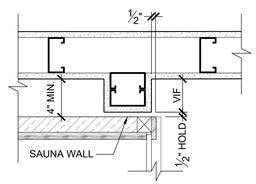

## 7 SAUNA ROOM
3/8" = 1'-0"




## 8 SAUNA ADA PLAN
3/8"=1'-0"




## 9 SAUNA RCP - SAUNA CEILING
3/8"=1'-0"




## 10 SUANA WALL CLOSURE
1-1/2"=1'-0"

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ARCHITECT DxU ARCHITECTS
CONSULTANTS

TEMPLATE SET

Project Number: 24-XXX
Drawn By: XX
Approved By: XX

| No. | Issue | Date |
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| | TEMPLATE START | 10-31-2024 |

SHEET TITLE & NUMBER

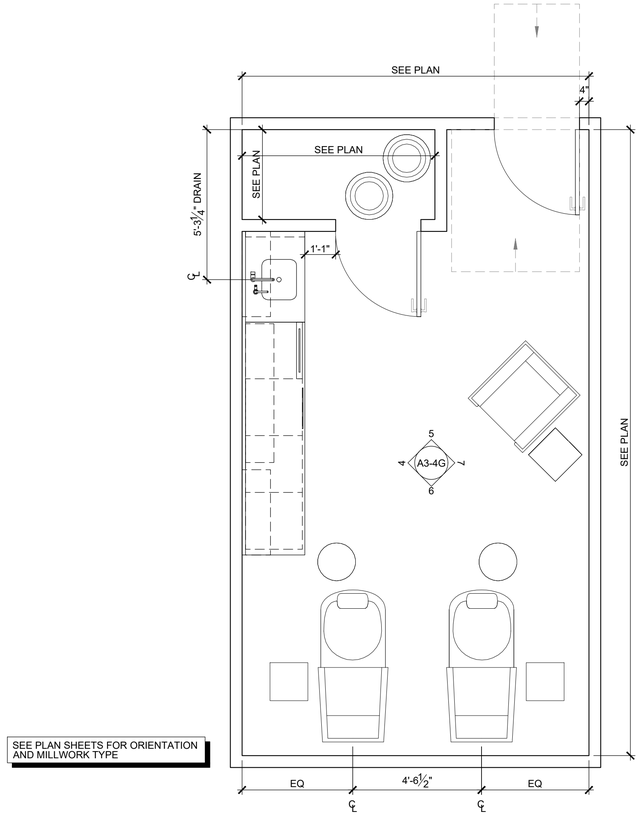
TYPICAL SAUNA ROOM DETAILS

A3-3S

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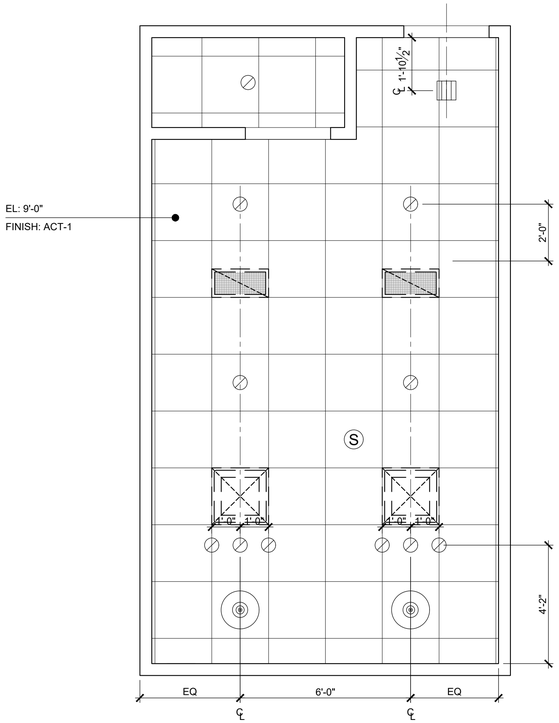
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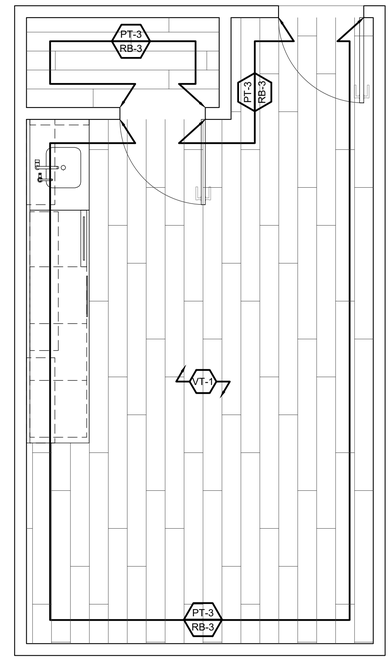



SEE PLAN SHEETS FOR ORIENTATION AND MILLWORK TYPE

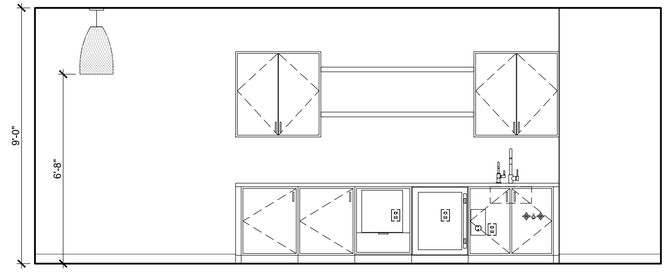
## 1 NAIL/FLEX ROOM PLAN
3/8"=1'-0"



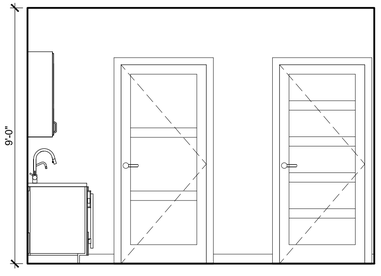

## 2 NAIL/FLEX ROOM RCP
3/8"=1'-0"



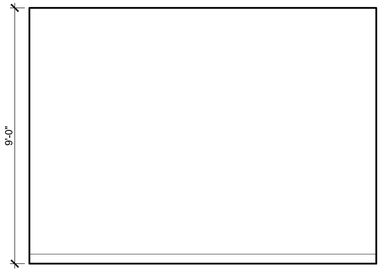

## 3 NAIL/FLEX ROOM FINISH
3/8"=1'-0"



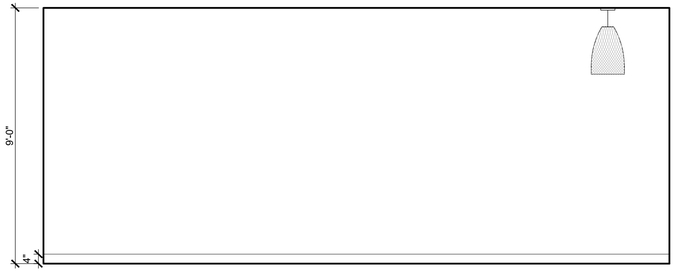

## 4 NAIL/FLEX ROOM
3/8" = 1'-0"




## 5 NAIL/FLEX ROOM
3/8" = 1'-0"




## 6 NAIL/FLEX ROOM
3/8" = 1'-0"




## 7 NAIL/FLEX ROOM
3/8" = 1'-0"

# WOODHOUSE - SIGNATURE

### SYMBOL LEGEND

- L2 RECESSED CAN LIGHT
- S — SPEAKER
- SOUND MASKING SYSTEM
- L13 — L13 PENDANT
- TAPELIGHT
- TITUS OMNI SUPPLY REGISTER (SEE MECHANICAL)
- TITUS 50F 12x24 RETURN (SEE MECHANICAL)
- SUPPLY REGISTER (SI MECHANICAL)
- RETURN (SEE MECHANICAL)

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DATE OF SIGNATURE: XX-XX-XXXX

ARCHITECT: DXU ARCHITECTS
CONSULTANTS

TEMPLATE SET

| No. | Issue | Date |
|---|---|---|
| | TEMPLATE START | 10-31-2024 |

Project Number: 24-XXX
Drawn By: XX
Approved By: XX

SHEET TITLE & NUMBER

TYPICAL NAIL/FLEX ROOM DETAILS

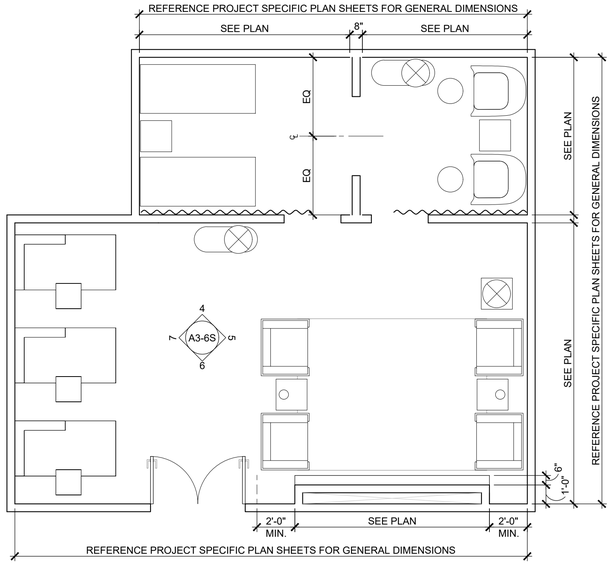
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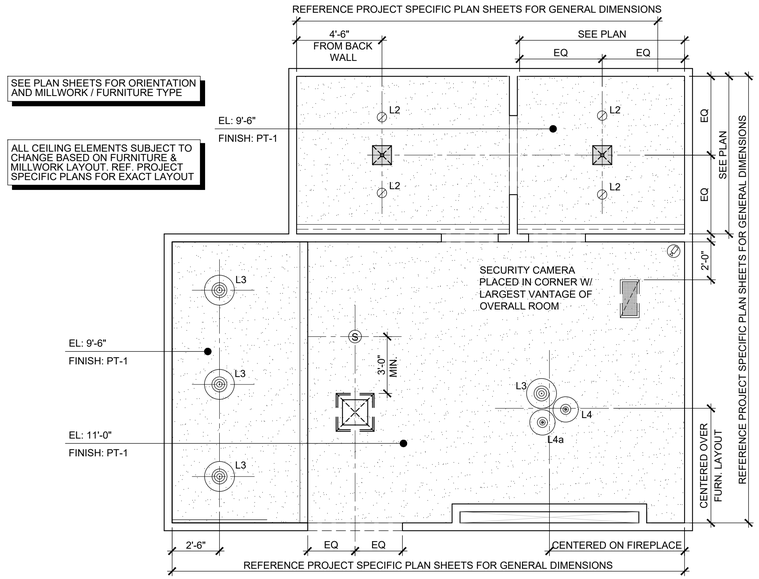
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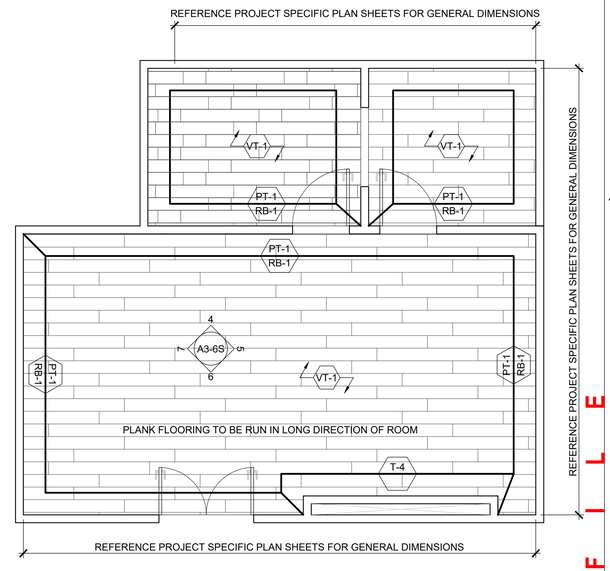
PLOT DATE: 3/14/2025 3:24 PM PLOTTED BY: KEVIN PASLEY



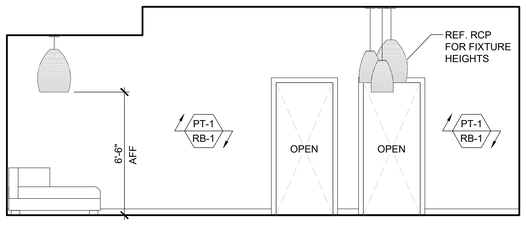

1 QUIET & VIP ROOM PLAN
1/4"=1'-0"



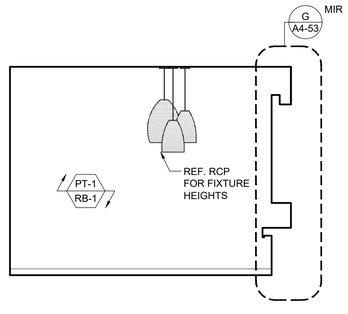

2 QUIET & VIP ROOM RCP
1/4"=1'-0"



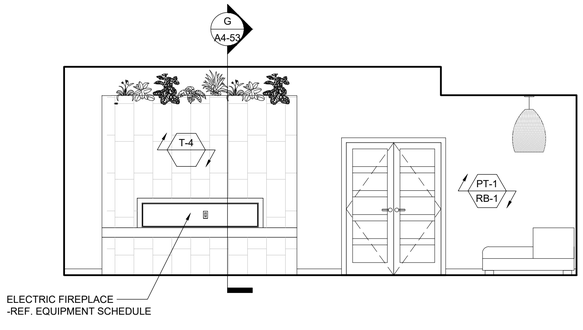

3 QUIET & VIP ROOM FINISH PLAN
1/4"=1'-0"



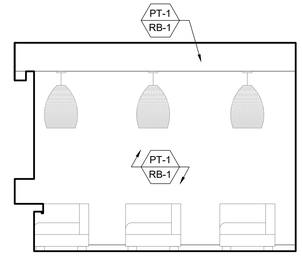

4 QUIET & VIP ROOM ELEVATION
1/4"=1'-0"




5 QUIET & VIP ROOM ELEVATION
1/4"=1'-0"




6 QUIET & VIP ROOM ELEVATION
1/4"=1'-0"




7 QUIET & VIP ROOM ELEVATION
1/4"=1'-0"

WOODHOUSE - SIGNATURE

PLOT DATE: 3/14/2025 3:31 PM PLOTTED BY: KEVIN PASLEY

MUNICIPAL APPROVAL STAMP

CLIENT
WOODHOUSE™

PROJECT
**WOODHOUSE - ANYTOWN, USA**
STREET ADDRESS
SUITE
TOWN, STATE ZIPCODE

T E M P L A T E F I L E

SEAL
LICENSE EXPIRES ON: XX-XX-XXXX
DATE OF SIGNATURE: XX-XX-XXXX

ARCHITECT
DXU ARCHITECTS
CONSULTANTS

TEMPLATE SET

Project Number: 24-XXX
Drawn By: XX
Approved By: XX

| No. | Issue | Date |
|---|---|---|
| | TEMPLATE START | 10-31-2024 |

SHEET TITLE & NUMBER

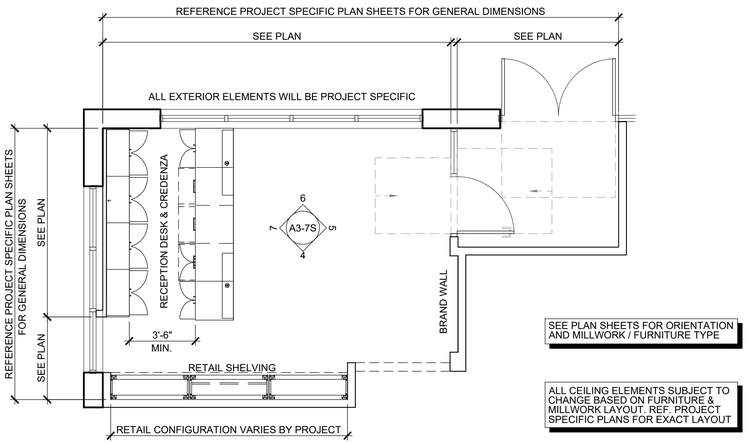
TYPICAL QUIET & VIP ROOM DETAILS

A3-6S

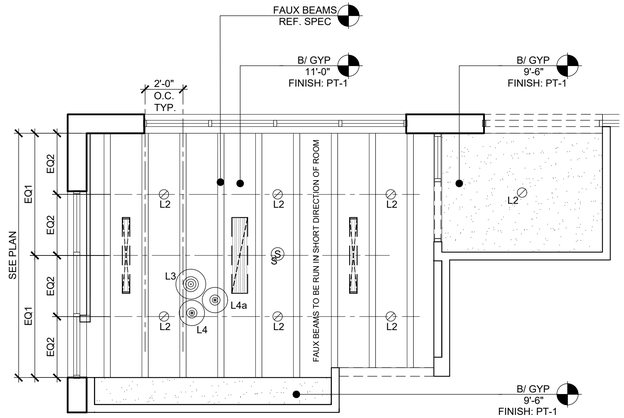
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ILLINOIS PROFESSIONAL DESIGN REGISTRATION: 184.006688 EXPIRES: 4/30/2025

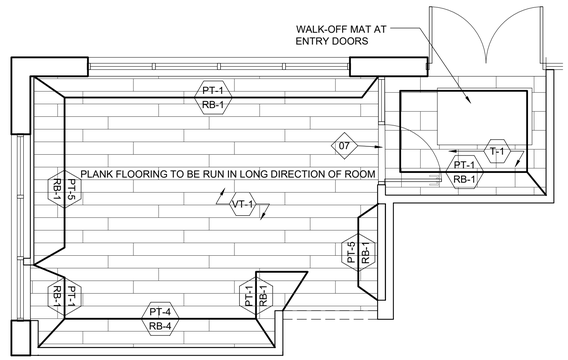
© DxU 2024



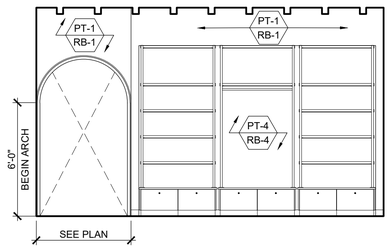

## 1 FRONT OF HOUSE PLAN
1/4"=1'-0"




## 2 FRONT OF HOUSE RCP
1/4"=1'-0"

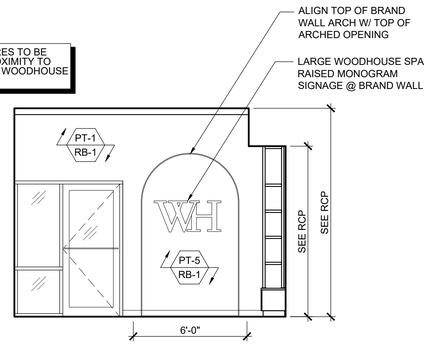



## 3 FRONT OF HOUSE FINISH PLAN
1/4"=1'-0"

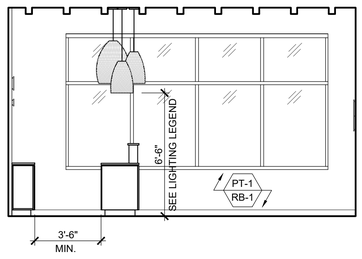



## 4 FRONT OF HOUSE ELEMENTION
1/4"=1'-0"

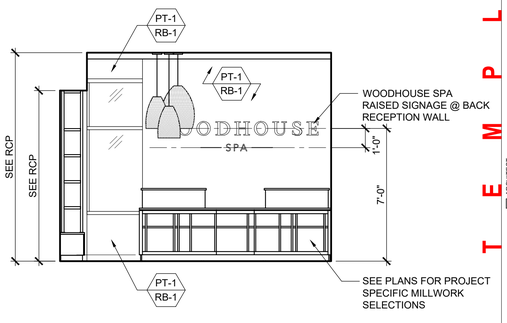
NO EMERGENCY FIXTURES TO BE LOCATED IN CLOSE PROXIMITY TO ANY FEATURE WALL OR WOODHOUSE SIGNAGE WALL.




## 5 FRONT OF HOUSE ELEVATION
1/4"=1'-0"




## 6 FRONT OF HOUSE ELEVATION
1/4"=1'-0"




## 7 FRONT OF HOUSE ELEVATION
1/4"=1'-0"

# WOODHOUSE - SIGNATURE

PLOT DATE: 3/14/2025 3:21 PM PLOTTED BY: KEVIN PASLEY

MUNICIPAL APPROVAL STAMP

CLIENT
WOODHOUSE™

PROJECT
**WOODHOUSE - ANYTOWN, USA**
STREET ADDRESS
SUITE
TOWN, STATE ZIPCODE

TEMPLATE FILE

SEAL
LICENSE EXPIRES ON: XX-XX-XXXX
DATE OF SIGNATURE: XX-XX-XXXX

ARCHITECT
DXU ARCHITECTS
CONSULTANTS
415 S. 9th St. 3rd fl. • 2N Riv. • Chicago IL • 60607
P 312.939.3344 • F 312.939.3345 • www.dxu.com

TEMPLATE SET

| No. | Issue | Date |
|---|---|---|
| | TEMPLATE START | 10-31-2024 |

Project Number: 24-XXX
Drawn By: XX
Approved By: XX

SHEET TITLE & NUMBER

TYPICAL FRONT OF HOUSE DETAILS

A3-7S

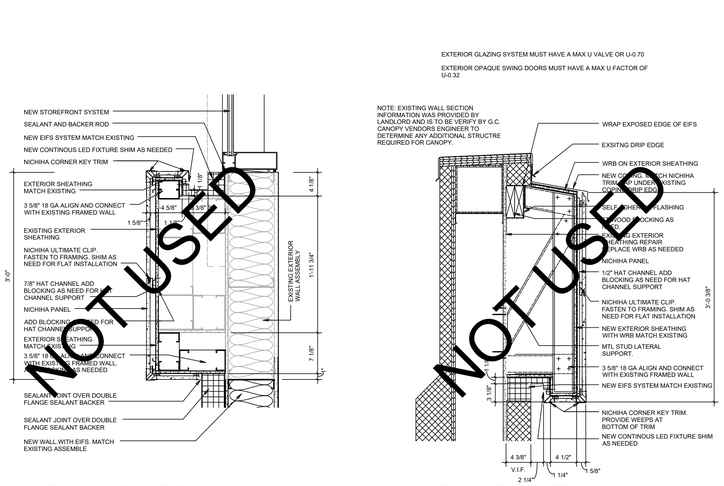
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ILLINOIS PROFESSIONAL DESIGN REGISTRATION: 184.006688 EXPIRES: 4/30/2025

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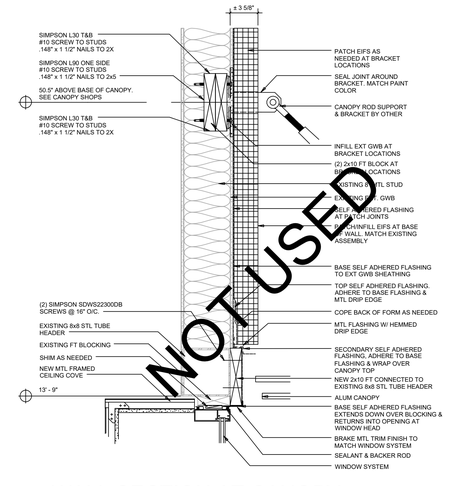

01 NORTH EXTERIOR ELEVATION
1/4" = 1'-0"




3 FACADE DETAIL - HEAD
1-1/2"=1-0"




2 FACADE DETAIL - PLAN
1-1/2"=1-0"




4 WALL SECTION AT CANOPY
1-1/2"=1-0"

NOT USED
NOT USED
NOT USED

MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

WOODHOUSE™

**WOODHOUSE SPAS - WILMINGTON, NC**

1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

CLIENT

PROJECT

SEAL

ERIC L. STYER
REGISTERED ARCHITECT
12820
0 STATE OF ILLINOIS
ARLO GROVE, ILLINOIS

LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT

DXU ARCHITECTS
415 West Main 2nd Floor | Geneva IL 60134
P 331.233.2232 • www.dxu.com

CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP/ JZ
Approved By: JD

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

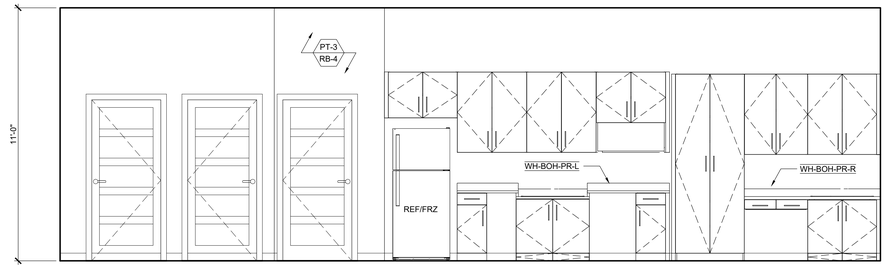
EXTERIOR ELEVATION

A4-10

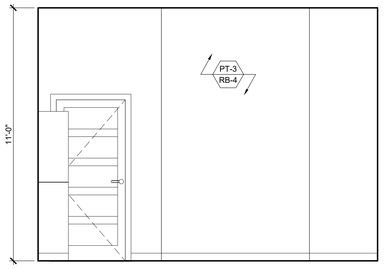
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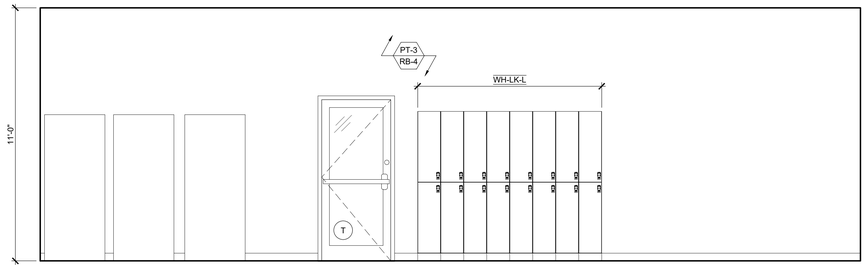
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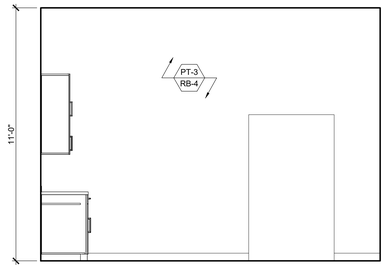

12 PREP AREA/LAUNDRY (W)
3/8" = 1'-0"



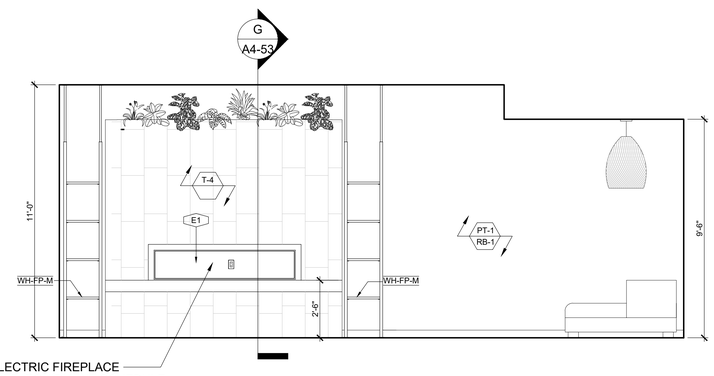

11 PREP AREA/LAUNDRY (S)
3/8" = 1'-0"



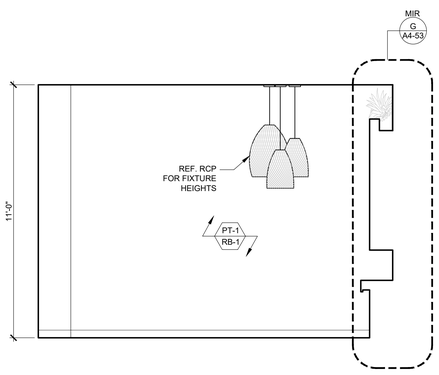

10 PREP AREA/LAUNDRY (E)
3/8" = 1'-0"



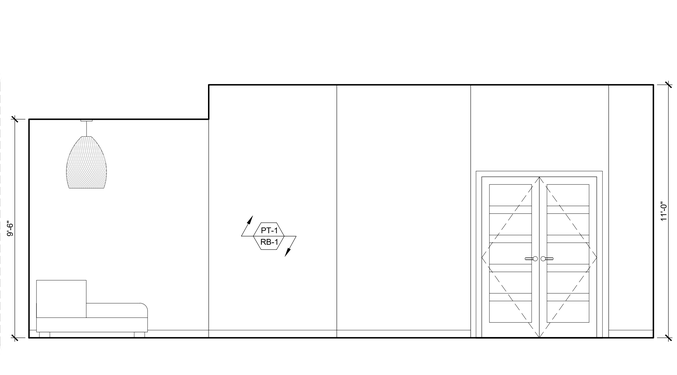

9 PREP AREA/LAUNDRY (N)
3/8" = 1'-0"



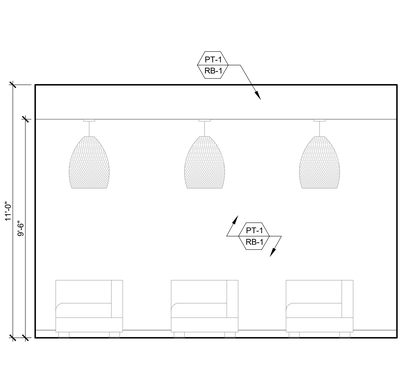

8 QUIET ROOM (W)
3/8" = 1'-0"



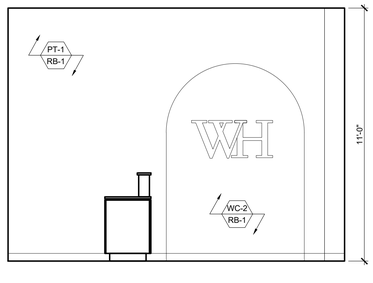

7 QUIET ROOM (S)
3/8" = 1'-0"



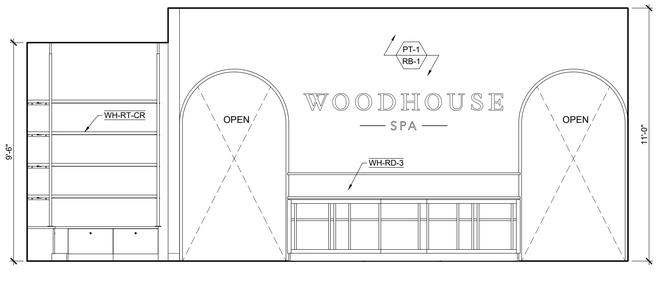

6 QUIET ROOM (E)
3/8" = 1'-0"



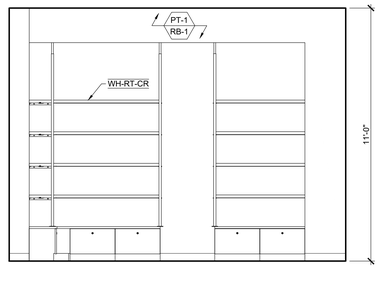

5 QUIET ROOM (N)
3/8" = 1'-0"



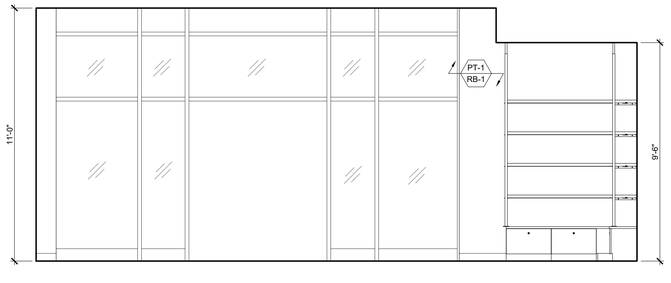

4 LOBBY @ FEATURE WALL (W)
3/8" = 1'-0"




3 LOBBY @ RECEPTION (S)
3/8" = 1'-0"




2 LOBBY @ RETAIL (E)
3/8" = 1'-0"




1 LOBBY @ STOREFRONT (N)
3/8" = 1'-0"

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WOODHOUSE™

**WOODHOUSE SPAS - WILMINGTON, NC**

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WILMINGTON, NC 28105

CLIENT

PROJECT

SEAL

ERIC L. STYER
REGISTERED ARCHITECT
12820
NORTH CAROLINA
BUFFALO GROVE, ILLINOIS

LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT

DXU ARCHITECTS
411 W. Ohio St. • 2nd Floor • Chicago, IL 60607
T 312.733.2121 • F 312.733.2199

CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

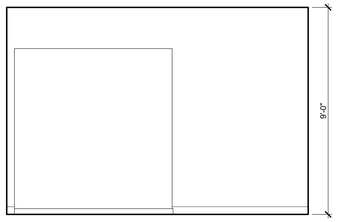
INTERIOR
ELEVATIONS

A5-11

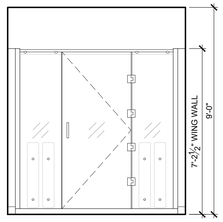
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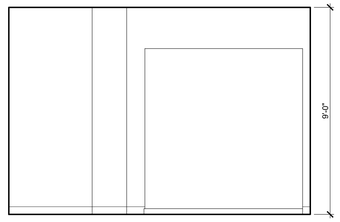
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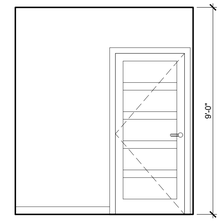

16 SAUNA ROOM (W)
3/8" = 1'-0"



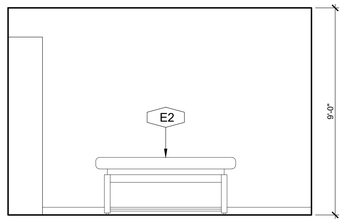

15 SAUNA ROOM (S)
3/8" = 1'-0"



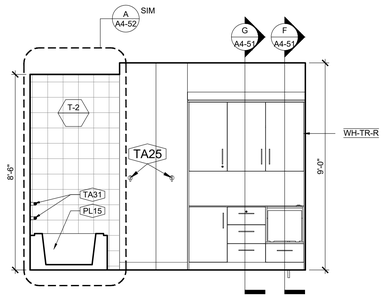

14 SAUNA ROOM (E)
3/8" = 1'-0"



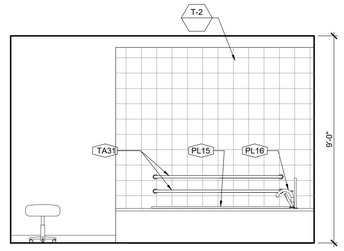

13 SAUNA ROOM (N)
3/8" = 1'-0"



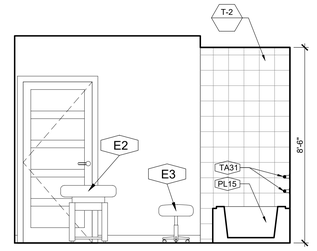

12 TUB ROOM (W)
3/8" = 1'-0"



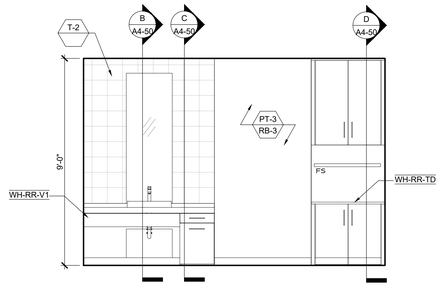

11 TUB ROOM (S)
3/8" = 1'-0"



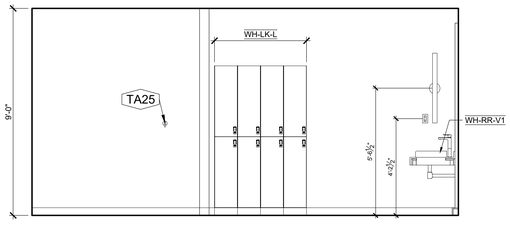

10 TUB ROOM (E)
3/8" = 1'-0"



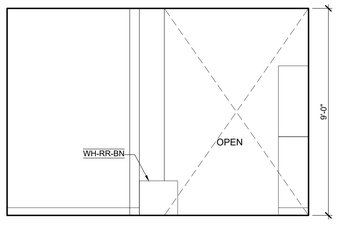

9 TUB ROOM (N)
3/8" = 1'-0"



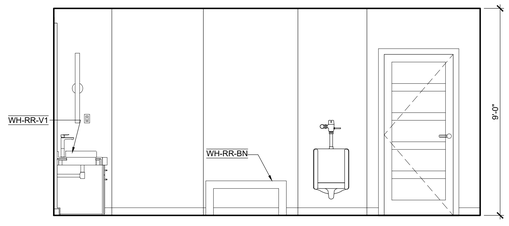

8 MEN'S LOCKER ROOM (W)
3/8" = 1'-0"



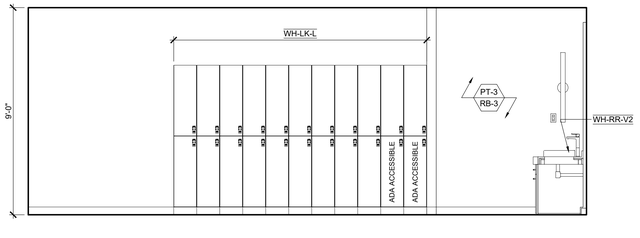

7 MEN'S LOCKER ROOM (S)
3/8" = 1'-0"



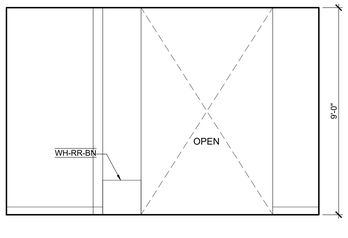

6 MEN'S LOCKER ROOM (E)
3/8" = 1'-0"



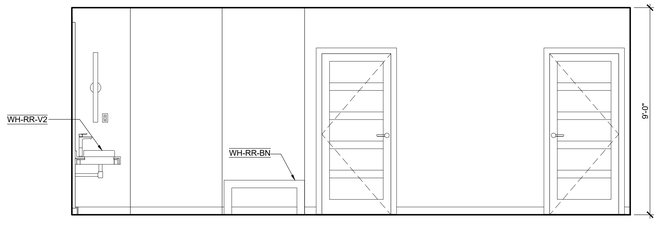

5 MEN'S LOCKER ROOM (N)
3/8" = 1'-0"



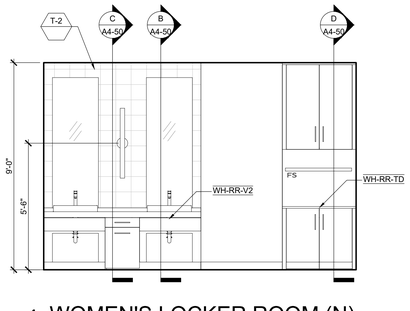

4 WOMEN'S LOCKER ROOM (W)
3/8" = 1'-0"




3 WOMEN'S LOCKER ROOM (S)
3/8" = 1'-0"




2 WOMEN'S LOCKER ROOM (E)
3/8" = 1'-0"




1 WOMEN'S LOCKER ROOM (N)
3/8" = 1'-0"

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WILMINGTON, NC 28105

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REGISTERED ARCHITECT
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NORTH CAROLINA
ILLINOIS
BUFFALO GROVE, ILLINOIS

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DATE OF SIGNATURE: 03-14-2025

ARCHITECT

DXU ARCHITECTS
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CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

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|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

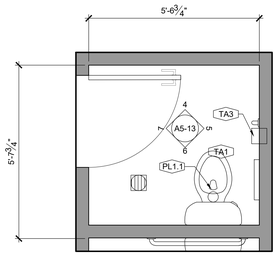
INTERIOR ELEVATIONS

A5-12

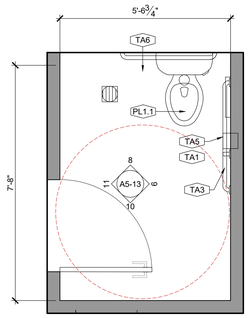
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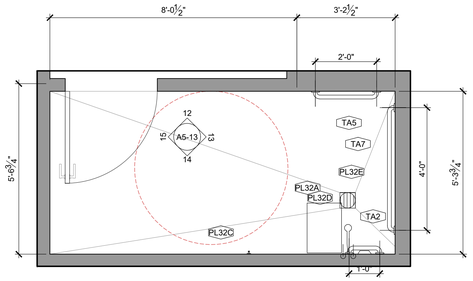
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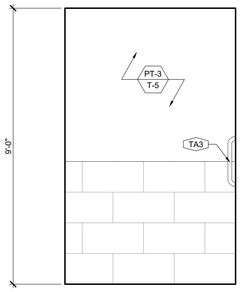

1 WOMEN'S RESTROOM 1
1/2"=1'-0"



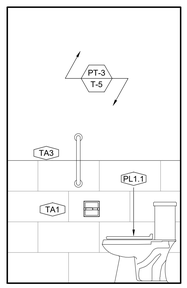

2 WOMEN'S RESTROOM 2
1/2"=1'-0"



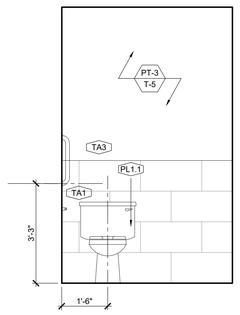

3 WOMEN'S SHOWER ROOM
1/2"=1'-0"



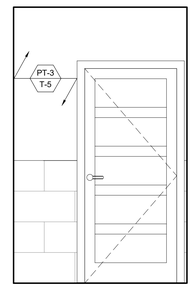

4 WOMEN'S RESTROOM 1 - N
1/2"=1'-0"



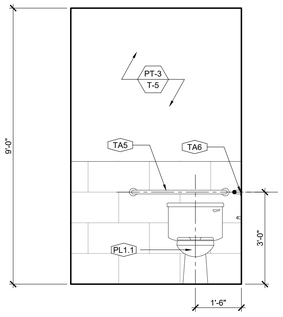

5 WOMEN'S RESTROOM 1 - E
1/2"=1'-0"



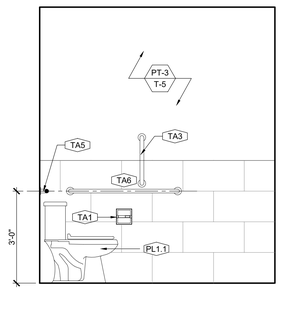

6 WOMEN'S RESTROOM 1 - S
1/2"=1'-0"



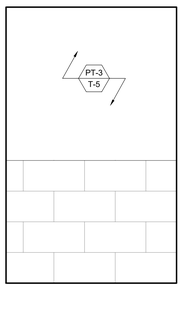

7 WOMEN'S RESTROOM 1 - W
1/2"=1'-0"



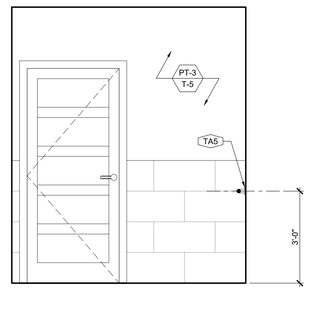

8 WOMEN'S RESTROOM 2 - N
1/2"=1'-0"



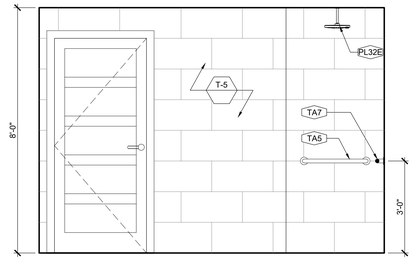

9 WOMEN'S RESTROOM 2 - E
1/2"=1'-0"



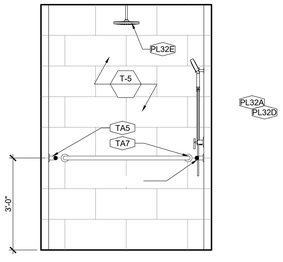

10 WOMEN'S RESTROOM 2 - S
1/2"=1'-0"



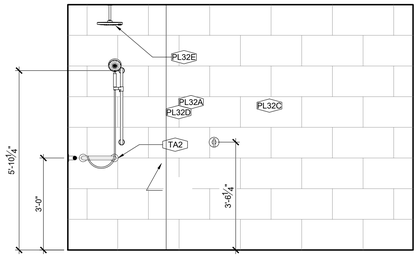

11 WOMEN'S RESTROOM 2 - W
1/2"=1'-0"



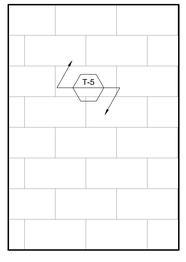

12 WOMEN'S SHOWER ROOM - N
1/2"=1'-0"




13 WOMEN'S SHOWER ROOM - E
1/2"=1'-0"




14 WOMEN'S SHOWER ROOM - S
1/2"=1'-0"




15 WOMEN'S SHOWER ROOM - W
1/2"=1'-0"

PLOT DATE: 3/14/2025 3:44 PM PLOTTED BY: KEVIN PASLEY

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REGISTERED ARCHITECT
12820
NORTH CAROLINA
BUFFALO GROVE, ILLINOIS
LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT: DXU ARCHITECTS
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CONSULTANTS:

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

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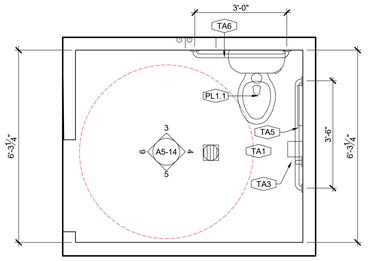
SHEET TITLE & NUMBER

ENLARGE BATHROOM PLANS & ELEVATIONS

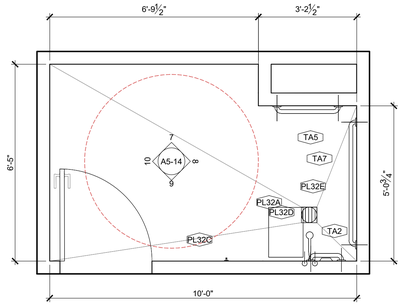
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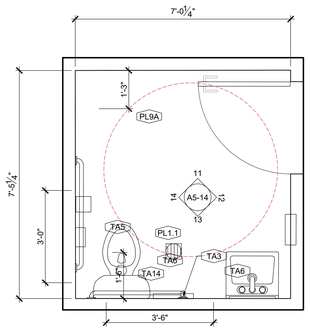
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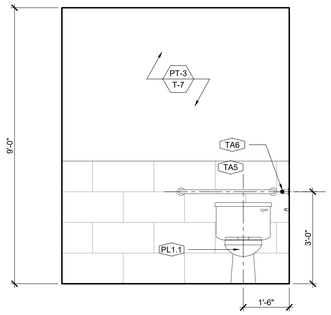

1 MEN'S RESTROOM
1/2"=1'-0"



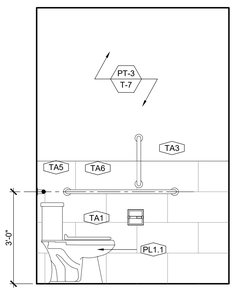

2 MEN'S SHOWER ROOM
1/2"=1'-0"



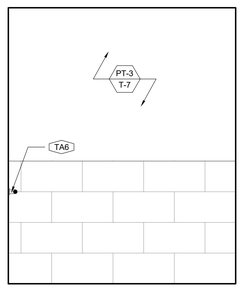

3 BOH ADA RESTROOM
1/2"=1'-0"



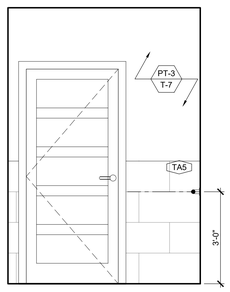

3 MEN'S RESTROOM - N
1/2"=1'-0"



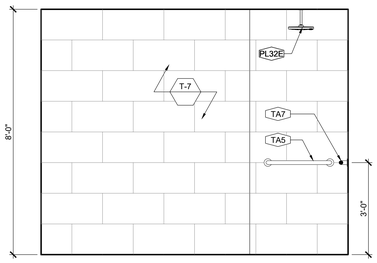

4 MEN'S RESTROOM - E
1/2"=1'-0"



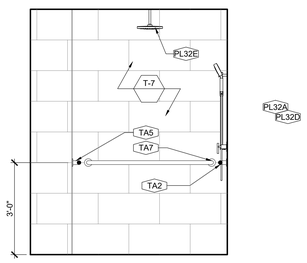

5 MEN'S RESTROOM - S
1/2"=1'-0"



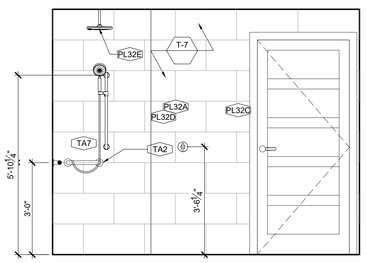

6 MEN'S RESTROOM - W
1/2"=1'-0"



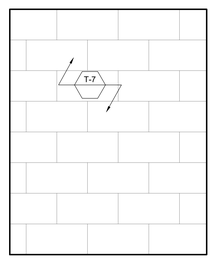

7 MEN'S SHOWER ROOM - N
1/2"=1'-0"



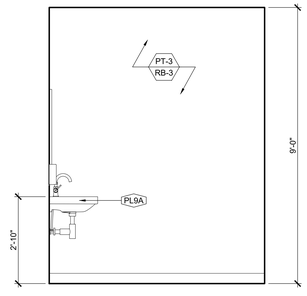

8 MEN'S SHOWER ROOM - E
1/2"=1'-0"



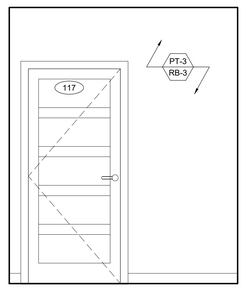

9 MEN'S SHOWER ROOM - S
1/2"=1'-0"



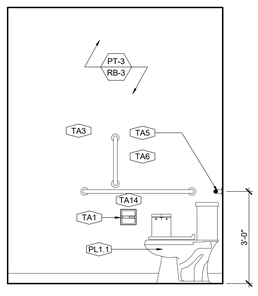

10 MEN'S SHOWER ROOM - W
1/2"=1'-0"



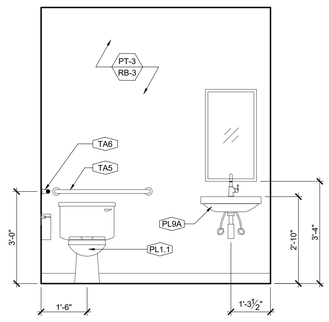

7 BOH ADA RESTROOM - N
1/2"=1'-0"




8 BOH ADA RESTROOM - E
1/2"=1'-0"




9 BOH ADA RESTROOM - S
1/2"=1'-0"




10 BOH ADA RESTROOM - W
1/2"=1'-0"

PLOT DATE: 3/14/2025 3:48 PM PLOTTED BY: KEVIN PAISLEY

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ARCHITECT

DXU ARCHITECTS
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CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
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Approved By: JD

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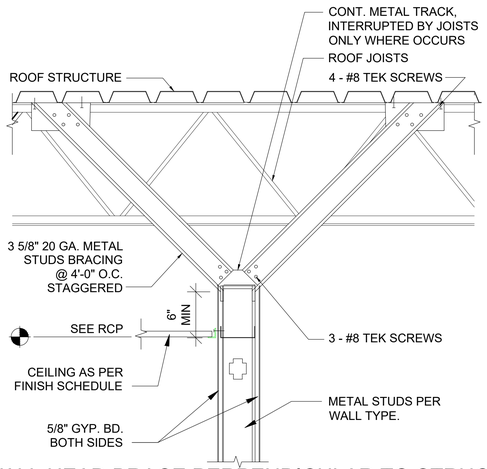
SHEET TITLE & NUMBER

ENLARGE BATHROOM PLANS & ELEVATIONS

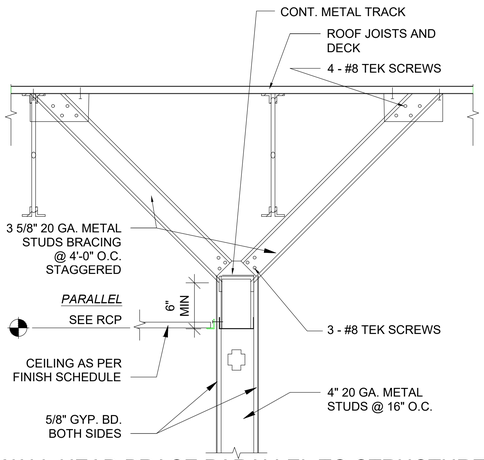
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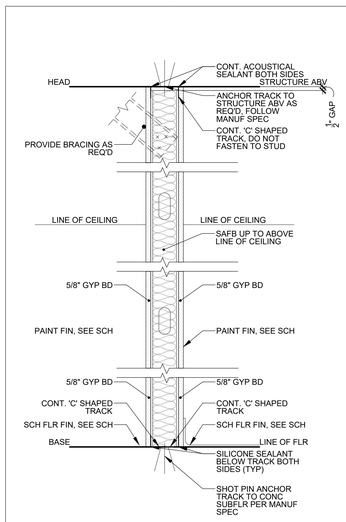

## 2 WALL HEAD BRACE PERPENDICULAR TO STRUCTURE
1-1/2"=1'-0"




## 3 WALL HEAD BRACE PARALLEL TO STRUCTURE
1-1/2"=1'-0"

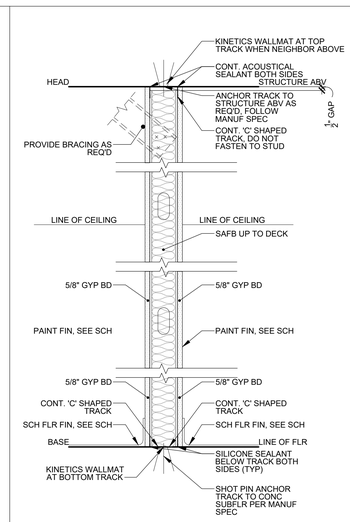
## GENERAL PARTITION NOTES

1. PARTITIONS ARE INDICATED ON FLOOR PLANS BY GRAPHIC DESIGNATION AND/OR TYPE SYMBOL - REFER TO PARTITION LEGEND.
2. LINE OF STRUCTURE INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY - VERIFY EXISTING CONDITIONS IN FIELD.
3. DO NOT FASTEN PARTITION STUDS AND GYPSUM BOARD TO METAL CEILING RUNNER, TO ALLOW FOR STRUCTURAL DEFLECTION.
4. PROVIDE BRACING WHERE PARTITION HEIGHT EXCEEDS MANUFACTURER'S ALLOWABLE HEIGHT. DO NOT BRACE TO DUCTWORK OR OTHER SUCH COMPONENTS VERIFY ALLOWABLE HEIGHT PSF REQUIREMENTS WITH LOCAL CODE AUTHORITIES.
5. THE FIRE RATINGS AND STC RATINGS NOTED FOR THE GYPSUM BOARD PARTITION ASSEMBLIES SHOWN ARE COPIED AND TRANSCRIBED HERE FOR CONVENIENCE ONLY FROM THE UNDERWRITERS LABORATORY DIRECTORY AND THE UNITED STATES GYPSUM CATALOG.
6. WALL ASSEMBLIES AND PARTITIONS THAT RECEIVE FIRE RESISTIVE RATINGS SHALL BE CONSTRUCTED PER TESTED ASSEMBLIES, MANUFACTURER'S RECOMMENDATIONS AND THE REQUIREMENTS OF ALL APPLICABLE CODES AND LOCAL GOVERNING AUTHORITIES.
7. PENETRATIONS OR PRODUCTS FOR USE IN SPECIFIC FIRE RATED PARTITION ASSEMBLIES SHALL BE BASED ON SUCCESSFUL PERFORMANCE IN FIRE TESTS. THESE PENETRATIONS MAY INCLUDE BUT ARE NOT LIMITED TO ITEMS SUCH AS PIPING, CONDUIT, OR HVAC DUCTWORK.
8. EACH PARTITION SHOWN ON THE DRAWINGS TO BE A FIRE AND/OR SMOKE RESISTANT PARTITION SHALL BE IDENTIFIED AS SUCH WITH A LABEL ABOVE THE CEILING ON EACH SEGMENT OF THE WALL, 8'-0" O.C.
9. FIRE AND/OR SMOKE RESISTANT RATINGS ARE TO CONTINUE ABOVE ALL OPENINGS IN RATED PARTITIONS.
10. ELECTRICAL RECEPTACLES SHALL NOT BE LOCATED IN FIRE RATED PARTITIONS IN EXCESS OF TWO HOURS.
11. THE SURFACE AREA OF INDIVIDUAL METALLIC OUTLET OR SWITCH BOXES SHALL NOT EXCEED 16 SQ. IN. THE AGGREGATE SURFACE AREA OF BOXES SHALL NOT EXCEED 100 SQ. IN. PER 100 SQ. FT. OF WALL AREA. A HORIZONTAL DISTANCE OF 24 IN. SHALL SEPARATE BOXES LOCATED ON OPPOSITE SIDES OF PARTITIONS.
12. BOXES LOCATED IN CORRIDOR AND UNIT DEMISING PARTITIONS SHALL BE TREATED WITH ACOUSTICAL SEALANT AROUND PERIMETER AND BEHIND EACH BOX (FULL CLOSURE BED). IN ADDITION, OUTLET AND JUNCTION BOXES SHALL BE SEPARATED BY INSTALLING A METAL STUD BETWEEN THEM IN THE PARTITION.
13. COMPLETELY SEAL WITH CONTINUOUS ACOUSTICAL SEALANT ALL PARTITION HEADS, BASES, AND ENDS, PLUS SEAL ALL PENETRATIONS, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL AND PLUMBING WORK.
14. SOUND ATTENUATION BLANKETS ARE TO BE INSTALLED IN ALL PARTITIONS SEPARATING PUBLIC FROM PRIVATE AREAS AND WHERE NOISE CAN BE TRANSMITTED (RESTROOMS) EXTEND BLANKETS FULL HEIGHT OF PARTITION UP TO BOTTOM OF STRUCTURE, INSTALLED IN TIGHT, COMPRESSION FIT TO STUDS, STRUCTURE AND ADJACENT SURFACES.
15. FINAL LOCATION AND PLACEMENT OF MEPFP ITEMS (BOTH HORIZONTAL AND VERTICAL) SHALL BE COORDINATED SUCH THAT THEY DO NOT TOUCH STUD PARTITION ASSEMBLIES AND CREATE AN ACOUSTICAL PROBLEM SUCH AS VIBRATION, IMPACT NOISE, ETC.
16. PROVIDE FIRE RETARDANT WOOD BLOCKING IN METAL STUD PARTITIONS AS REQUIRED FOR SUPPORT AND/OR INSTALLATION OF DOOR FRAMES, MOLDINGS, MILLWORK, WALL PANELS, HANDRAILS, GRAB BARS, AND/OR PARTITIONS WHICH CONTAIN PLUMBING FIXTURES (SUCH AS WET WALLS AND WALLS ADJACENT TO AND BEHIND PLUMBING FIXTURES) U.N.O.
19. CEMENTITIOUS BACKER BOARD SHALL BE USED AT PARTITIONS WHICH CONTAIN BATHROOM OR KITCHEN PLUMBING FIXTURES U.N.O.
20. USE GALVANIZED METAL CORNER BEADS AND EDGE TRIMS (OR SCREEDS AS REQUIRED) IN ALL EXPOSED WORK, POSITIVELY ATTACHED WITH FASTENERS.
21. TAPE AND APPLY JOINT COMPOUND TO ALL INTERIOR CORNERS AND MOVEMENT CONTROL JOINTS IN GYPSUM BOARD PARTITIONS U.N.O.
22. PROVIDE VERTICAL CONTROL JOINTS FOR ANY UNINTERRUPTED PARTITION LENGTH AT 30'-0" O.C. IN THE HORIZONTAL DIRECTION WHERE INDICATED OR AS REQUIRED. VERIFY LOCATIONS WITH ARCHITECT BEFORE INSTALLATION.
23. ALL PLUMBING, MECHANICAL AND ELECTRICAL WORK WITHIN PUBLIC SPACES IS TO BE CONCEALED BY PAINTED SUSPENDED GYPSUM BOARD SOFFITS AND CEILINGS, COORDINATE LOCATIONS WITH MEPFP DRAWINGS.
24. PROVIDE CONTINUOUS GYPSUM BOARD CANTS OF 75 DEGREES WITH 4" 20 GA GALVANIZED SHEET METAL STRAPS 4'-0" O.C. IN ELEVATOR SHAFTS MORE THAN 2'.
25. ALL MASONRY PARTITIONS THAT EXTEND BETWEEN STRUCTURAL CONCRETE COLUMNS AND/OR SHEAR WALLS SHALL HAVE VERTICAL SEALANT JOINTS BETWEEN CONCRETE AND MASONRY.
26. ALL FIRESAFED MASONRY PARTITIONS SHALL HAVE CONTINUOUS FIRESAFING OF DENSITY AS SPECIFIED. PROVIDE CONTINUOUS JOINT FILLER AND ELASTOMERIC SEALANT AT THE TOP OF THE WALL AND UNDERSIDE OF STRUCTURE.
27. INTERSECTIONS OF MASONRY PARTITIONS SHALL BE CONSTRUCTED BY INTERLOCKING ALTERNATE COURSES OF MASONRY AND INSTALLING METAL TIES, RIGID ANCHORS, OR PREFABRICATED JOINT REINFORCEMENT.
28. COORDINATE LOCATIONS OF ALL OPENINGS REQUIRED IN MASONRY PARTITIONS WITH ARCHITECTURAL, STRUCTURAL AND MEP DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE AND REINFORCING SCHEDULE.
29. SEE FINISH PLAN FOR WATERPROOFING REQUIREMENTS



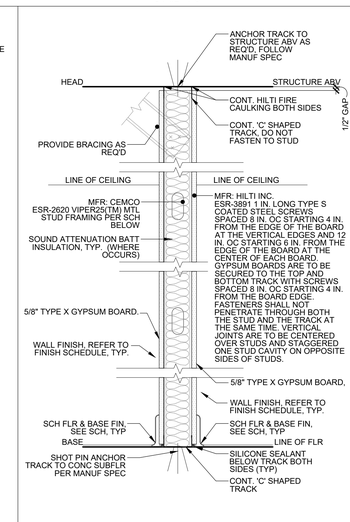

### PARTITION: 5 (GENERAL & TREATMENT)

| TYPE | STUD SIZE | STUD SPACING | FIRE RATING | INSULATION THICKNESS | STUD GAUGE | WALL THICKNESS | STC RATING |
|---|---|---|---|---|---|---|---|
| A | 6" | 16" OC | N/A | 6" | 20 | 7 1/4" NOM | N/A |
| B | 3 5/8" | 16" OC | N/A | 3" | 20 | 5" NOM | N/A |
| C | 2 1/2" | 16" OC | N/A | 2 | 20 | 3 1/8" NOM | N/A |
| D | - | - | - | - | - | - | - |



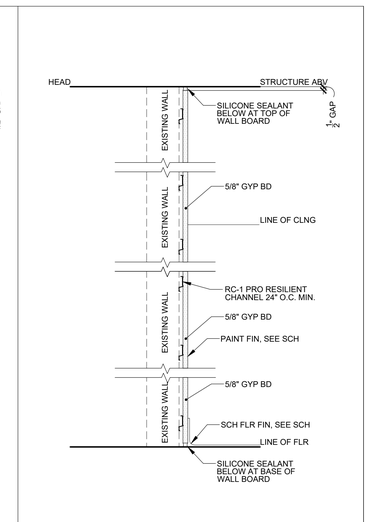

### PARTITION: 6 (QUIET ROOM)

| TYPE | STUD SIZE | STUD SPACING | FIRE RATING | INSULATION THICKNESS | STUD GAUGE | WALL THICKNESS | STC RATING |
|---|---|---|---|---|---|---|---|
| A | 6" | 16" OC | N/A | 6" | 20 | 7 1/4" NOM | 49 |
| B | 3 5/8" | 16" OC | N/A | 3" | 20 | 5" NOM | 48 |
| C | 2 1/2" | 16" OC | N/A | 2" | 20 | 3 1/8" NOM | 44 |
| D | 3 5/8" | 16" OC | N/A | 3" | 16 | 5" NOM | 48 |



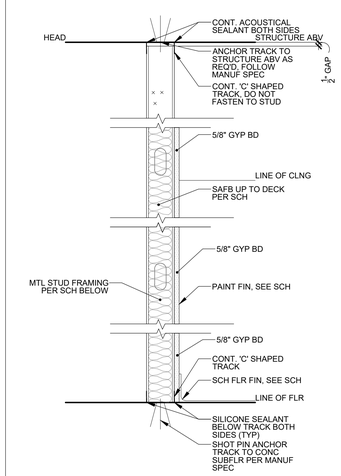

### PARTITION: 7 (UL-419) 1 HOUR RATED

| TYPE | STUD SIZE | STUD SPACING | FIRE RATING | INSULATION THICKNESS | STUD GAUGE | WALL THICKNESS | STC RATING |
|---|---|---|---|---|---|---|---|
| A | - | - | - | - | - | - | - |
| B | 3-5/8" | 16" OC | 1 HR | 3-1/2" | 20 | 5" NOM. | 45 |
| C | - | - | - | - | - | - | - |
| D | - | - | - | - | - | - | - |



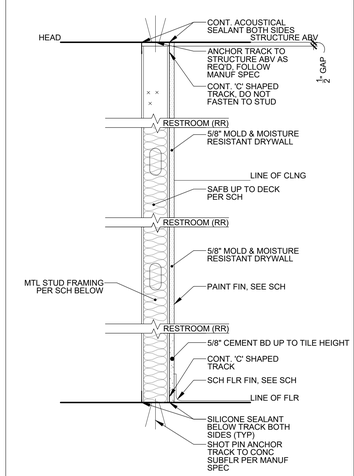

### PARTITION: 8 SOUND FURRING

| TYPE | STUD SIZE | STUD SPACING | FIRE RATING | INSULATION THICKNESS | STUD GAUGE | WALL THICKNESS | STC RATING |
|---|---|---|---|---|---|---|---|
| A | - | - | - | - | - | - | - |
| B | - | - | - | - | - | - | - |
| C | - | - | - | - | - | - | - |
| D | 1/2" | 16" OC | N/A | 0" | 20 | 1" NOM. | N/A |



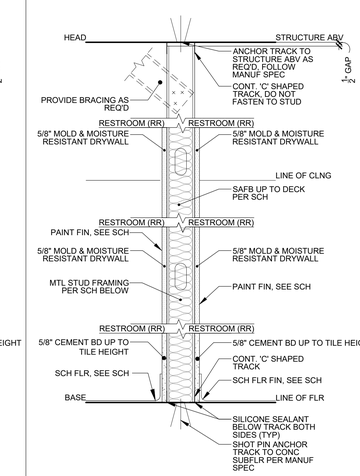

### PARTITION: 1 (FURRING)

| TYPE | STUD SIZE | STUD SPACING | FIRE RATING | INSULATION THICKNESS | STUD GAUGE | WALL THICKNESS | STC RATING |
|---|---|---|---|---|---|---|---|
| A | 6" | 16" OC | N/A | 6" | 20 | 6 5/8" NOM | N/A |
| B | 3 5/8" | 16" OC | N/A | 3" | 20 | 4 1/4 " NOM | N/A |
| C | 2 1/2" | 16" OC | N/A | 2 | 20 | 3 1/8" NOM | N/A |
| D | 1 5/8" | 16" OC | N/A | 0" | 20 | 2 1/4" NOM | N/A |



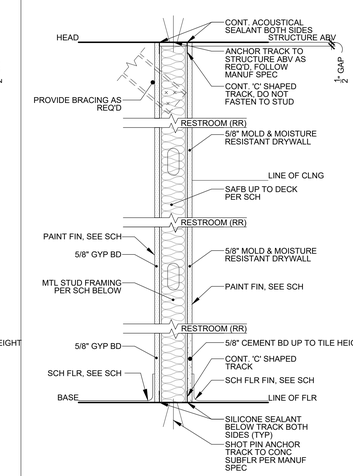

### PARTITION: 2 (FURRING @ R.R.)

| TYPE | STUD SIZE | STUD SPACING | FIRE RATING | INSULATION THICKNESS | STUD GAUGE | WALL THICKNESS | STC RATING |
|---|---|---|---|---|---|---|---|
| A | 6" | 16" OC | N/A | 6" | 20 | 6 5/8" NOM | N/A |
| B | 3 5/8" | 16" OC | N/A | 3" | 20 | 4 1/4 " NOM | N/A |
| C | 2 1/2" | 16" OC | N/A | 2 | 20 | 3 1/8" NOM | N/A |
| D | 1 5/8" | 16" OC | N/A | 0" | 20 | 2 1/4" NOM | N/A |



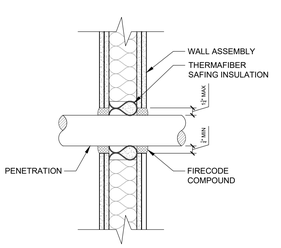

### PARTITION: 3 (R.R. TO R.R.)

| TYPE | STUD SIZE | STUD SPACING | FIRE RATING | INSULATION THICKNESS | STUD GAUGE | WALL THICKNESS | STC RATING |
|---|---|---|---|---|---|---|---|
| A | 6" | 16" OC | N/A | 6" | 20 | 7 1/4" NOM | N/A |
| B | 3 5/8" | 16" OC | N/A | 3" | 20 | 5" NOM | N/A |
| C | 2 1/2" | 16" OC | N/A | 2 | 20 | 3 1/8" NOM | N/A |
| D | - | - | - | - | - | - | - |




### PARTITION: 4 (R.R. TO OTHER)

| TYPE | STUD SIZE | STUD SPACING | FIRE RATING | INSULATION THICKNESS | STUD GAUGE | WALL THICKNESS | STC RATING |
|---|---|---|---|---|---|---|---|
| A | 6" | 16" OC | N/A | 6" | 20 | 7 1/4" NOM | N/A |
| B | 3 5/8" | 16" OC | N/A | 3" | 20 | 5" NOM | N/A |
| C | 2 1/2" | 16" OC | N/A | 2 | 20 | 3 1/8" NOM | N/A |
| D | - | - | - | - | - | - | - |




UL DESIGN U605 FIRESTOP WALL PENETRATION DETAIL

## 1 FIRESTOP PENETRATION DETAIL
1-1/2" = 1'-0"

WALL TYPES

A8-1

## EQUIPMENT SCHEDULE

| TAG | DESCRIPTION | MANUFACTURER'S NAME | MODEL NO. | SUPPLIED BY | INSTALLED BY | COMMENTS |
|---|---|---|---|---|---|---|
| E1 | ELECTRIC FIREPLACE | DIMPLEX | IGNITE XL, XLF74 W/ XLFTRIM74 TRIM KIT | G.C. | G.C. | PARTY ROOM |
| E2 | CLINICIANS/ADJUSTABLE/FLAT TABLE | LIVING EARTH CRAFT | OAK358 | OWNER | G.C. | TREATMENT, DUAL TREATMENT, AND DUET ROOM |
| E3 | PNEUMATIC STOOL | - | - | OWNER | G.C. | <varies> |
| E4 | POS COMPUTER | - | - | OWNER | IT VENDOR | RECEPTION DESK |
| E7 | INFRARED SAUNA | HALOTHERAPY | HaloIR 4-PERSON ADA | OWNER | G.C. | SAUNA/VITALITY ROOM |
| E8 | HIMALAYAN SALT BRICK WALL NOT USED | SALT CHAMBER NOT USED | 4" X 8" WHITE HIMALAYAN SALT BLOCK WALL W/ COLOR CHANGING LED LIGHTING - REF. SALT CHAMBER SPEC. SHEET FOR CONSTRUCTION DETAILS & INFO NOT USED | G.C. NOT USED | VENDOR | SALT ROOM NOT USED |
| E8A | WALL MOUNTED PRIMARY SALT AEROSOL MACHINE NOT USED | HALOTHERAPY NOT USED | SALT FX PRO, 10.5"W X 18.9"H X 10.2"D, 100-240V, 50/60 HZ NOT USED | G.C. NOT USED | VENDOR | SALT ROOM CL NOT USED |
| E12 | HOT TOWEL CABINET | EARTHLITE HOT TOWEL CABINET | C91923, UL LISTED, 120/220 VOLTS 15.5" x 14"H x 11"D | OWNER | OWNER | TR RM, FC RM, DUET RM, TUB/TR RM |
| E13 | STEAMER AND MAGNIFYING LAMP | 2-IN-1 STEAMER & MAGNIFYING LAMP FACIAL SYSTEM | CE722, 110V, HEATER COIL 650 WATTS, 60HZ 8 AMPS MAX | OWNER | OWNER | FC ROOM, DUAL FC RM |
| E14 | WAX WARMER (LOCATED IN M13) | THERMAL SPA | DOUBLE WAX WARMER ELITE WITH LID, #PAR00501 | OWNER | OWNER | FC ROOM, DUAL FC RM |
| E19 | DUAL TEMPERATURE UV TOWEL WARMER CABINET | SPA EQUIP | SE0007 | OWNER | OWNER | LOCATED IN M4 & M12, NAIL ROOM, PREP/BOH ROOM |
| E21 | 3-TIERED NAIL FIXTURE ON CASTERS | WOODHOUSE STANDARD | WOODHOUSE STANDARD | OWNER | OWNER | NAIL/FLEX ROOM |
| E22 | HYDRAFACIAL MACHINE | HYDRAFACIAL | SYNDEO | OWNER | OWNER | FACIAL ROOMS |
| E23 | STACKED WASHER-DRYER | SPEED QUEEN | SST30 | OWNER | VENDOR | PREP/BOH ROOM |
| E32 | INSTANT HOT WATER TANK | INSINKERATOR | HWT300-F2000S | G.C. | G.C. | M9, M5, M12, WET BAR, NAIL RM, PREP |
| E33 | UNDERCOUNTER STAINLESS STEEL DISHWASHER | WHIRLPOOL | WDF130PAHB, 24.5"D X 34.5"H X 24"W | G.C. | G.C. | PREP/BOH ROOM |
| E34 | UNDERCOUNTER STAINLESS STEEL ICE MAKER | MANITOWOC | SM-50A, 14.75"W X 23.75"D X33.5"H AIR COOLED UNDERCOUNTER OCTAGONAL CUBE ICE MACHINE | G.C. | G.C. | PREP/BOH ROOM |
| E35 | REFRIGERATOR | FRIGIDAIRE | FFTR2021TB | G.C. | G.C. | PREP/BOH ROOM |
| E36 | COUNTER TOP MICROWAVE | GE CO. | JES1145DLWW, WHITE COLOR | G.C. | G.C. | PREP/BOH ROOM |
| E37 | COUNTER TOP COFFEE MAKER | - | MATCH FINISH TO OTHER APPLIANCES | OWNER | OWNER | PREP/BOH ROOM |
| E38 | UNDERCOUNTER REFRIGERATOR | SUMMIT | ADA COMPLIANT BEVERAGE COOLER #ALBV2466 23.38"D X 31.63"H X 23.6"W | OWNER | G.C. | NAIL/FLEX ROOM |
| E45 | DRAPERY SYSTEM | SUNNY ROAD | - | OWNER | G.C. | QUIET ROOM, NAIL/FLEX ROOM |
| E46 | IT CAB | - | - | IT VENDOR | IT VENDOR | OFFICE |
| E100 | LIGHT STEM | - | - | | | FC RM, DUAL FC RM |

NOTES: GC TO CONFIRM ALL QUANTITIES PRIOR TO ORDERING

## PLUMBING SELECTIONS

| TAG | DESCRIPTION | MANUFACTURER | MODEL NO. | SUPPLIED BY | INSTALLED BY | COMMENTS |
|---|---|---|---|---|---|---|
| PL1.1 | TOILET - FLOOR MOUNTED, ADA | ZURN AND BEMIS | ZURN Z5958SS-EL WITH BEMIS 1055SSC WHITE FINISH | G.C. | G.C. | LOCKER ROOM, BOH |
| PL7 | ADA COOLER FILTERED 8 GPH LIGHT GRAY | ELKAY | LZSTL8WSLP | G.C. | G.C. | HALL |
| PL9A | WALL HUNG LAVATORY SINK, WHITE FINISH | - | - | G.C. | G.C. | REFER TO PLUMBING SHEETS |
| PL9B | VANITY SINK | KOHLER | VOX RECTANGLE VESSEL BATHROOM SINK #K-5373-0, 22-5/8" X 16-1/8", WHITE FINISH | MILLWORKER | G.C. | BUILT IN M14A & M14B, LOCKER ROOMS |
| PL10 | VANITY FAUCET | BWE | 6004-H | MILLWORKER | G.C. | BUILT IN M14A & M14B, LOCKER ROOMS |
| PL11 | TREATMENT SINK | KOHLER | K-3339-NA | MILLWORKER | G.C. | BUILT IN M13A, M13B, TR RM, DUET RM, FC RM, DUAL FC RM |
| PL12 | TREATMENT FAUCET | PEERLESS | P1819LF | MILLWORKER | G.C. | BUILT IN M13A, M13B, TREATMENT ROOM, DUET ROOM, FC ROOM, DUAL FC ROOM |
| PL15 | DROP IN BATH TUB | SWISS MADISON | SM-DB567 | G.C. | G.C. | TUB ROOM |
| PL16 | TUB FAUCET | KOHLER | K-77990-4 DECK-MOUNT BATH FAUCET HANDLES W/ VALVE (BL), K-77985 DECK-MOUNT BATH SPOUT W/ TUBE DESIGN (BL), K-21335-G ROUND TWO-FUNCTION HANDSHOWER, 1.75 GPM (BL), K-77989 HANDSHOWER HOLDER AND TWO-WAY DIVERTER VALVE (BL), K-26311 ADA HANDSHOWER HOSE ADAPTER (BL) | G.C. | G.C. | TUB ROOM |
| PL17 | NAIL/FLEX SINK | ELKAY | DAYTON UNDERMOUNT STAINLESS STEEL 17 IN. SINGLE BOWL KITCHEN SINK 18 GAUGE | MILLWORKER | G.C. | BUILT IN M5 & M9, WET BAR, NAIL/FLEX ROOM |
| PL18 | NAIL/FLEX FAUCET | GLACIER BAY | # HD67780-1008D2 PAULINA SINGLE-HANDLE PULL-DOWN SPRAYER KITCHEN FAUCET IN STAINLESS STEEL | MILLWORKER | G.C. | BUILT IN M5, M9, WET BAR, NAIL/FLEX ROOM |
| PL22 | FLOOR DRAIN | SEE PLUMBING | - | G.C. | G.C. | - |
| PL24 | LAUNDRY SINK | DURASTONE | COUNTERTOP SINK MODEL 11, COLOR: WHITE, 20"L X 17"W X 10"D | MILLWORKER | G.C. | BUILT IN M10, BOH ROOM |
| PL25 | LAUNDRY FAUCET | DELTA | MODEL #B3310LF | MILLWORKER | G.C. | BUILT IN M10, BOH ROOM |
| PL27 | MOP SINK | MUSTEE | E.L. MUSTEE, 24" X 24" MOP BASIN (63M) | G.C. | G.C. | JANITOR ROOM |
| PL28 | INSTANT HOT FAUCET | INSINKERATOR | HWT300-FC000S | G.C. | G.C. | M9, M5, M12, WET BAR, NAIL ROOM, PREP |
| PL29 | PREP SINK | GLACIER BAY | # VT3322A06 33" DROP-IN 50/50 DOUBLE BOWL 22 GAUGE STAINLESS STEEL | MILLWORKER | G.C. | BUILT IN M12, BOH ROOM |
| PL30 | PREP FAUCET | GLACIER BAY | # HD67780-1008D2 PAULINA SINGLE-HANDLE PULL-DOWN SPRAYER KITCHEN FAUCET IN STAINLESS STEEL | MILLWORKER | G.C. | BUILT IN M12, BOH ROOM |
| PL32A | HANDSHOWER KIT | KOHLER | K-22178 MATTE BLACK | G.C. | G.C. | REF. ELEVATIONS FOR LOCATION |
| PL32B | MIXING CONTROL | KOHLER | K-TS14423-4 MATTE BLACK | G.C. | G.C. | REF. ELEVATIONS FOR LOCATION |
| PL32C | TRANSFER VALVE TRIM | KOHLER | K-T14491-4BL MATTE BLACK | G.C. | G.C. | REF. ELEVATIONS FOR LOCATION |
| PL32D | WALL MOUNT SUPPLE ELBOW | KOHLER | K-22172 MATTE BLACK | G.C. | G.C. | REF. ELEVATIONS FOR LOCATION |
| PL32E | AWAKEN 10" RAINHEAD W/ 6" STEM | KOHLER | K-76465 MATTE BLACK | G.C. | G.C. | SHOWERS |
| PL40 | CURBLESS SHOWER | SCHLUTER | KERDI WATERPROOFING SHOWER AND WALL SYSTEM | G.C. | G.C. | SHOWERS |

NOTES: GC TO CONFIRM ALL QUANTITIES PRIOR TO ORDERING

## FURNITURE SCHEDULE

| TAG | DESCRIPTION | MANUFACTURER | DETAILS | SUPPLIED BY | INSTALLED BY | LOCATION |
|---|---|---|---|---|---|---|
| F1 | SOFA | SUNNYROAD or WILLIAM SONOMA INC. | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F2 | CHAISE | SUNNYROAD or WILLIAM SONOMA INC. | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F3 | SQUARE CHAIR | SUNNYROAD or WILLIAM SONOMA INC. | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F4 | ROUND CHAIR | SUNNYROAD or WILLIAM SONOMA INC. | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F5 | ARMLESS CHAIR | SUNNYROAD or WILLIAM SONOMA INC. | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F6 | SMALL FRAME CHAIR | SUNNYROAD or WILLIAM SONOMA INC. | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F7 | BENCH | SUNNYROAD, WILLIAM SONOMA INC. or UTTERMOST | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F8 | OTTOMAN | SUNNYROAD, WILLIAM SONOMA INC. or UTTERMOST | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F9 | CONSOLE | SUNNYROAD, WILLIAM SONOMA INC. or UTTERMOST | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F10 | COFFEE TABLE | SUNNYROAD or WILLIAM SONOMA INC. | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F11 | SIDE TABLE | SUNNYROAD or WILLIAM SONOMA INC. | VARIES - SEE FURNITURE LAYOUT | OWNER | G.C. | QUIET ROOM/VIP ROOM |
| F12 | OFFICE TASK CHAIR | HON | HON ALARIS TASK (ARMLESS) | OWNER | G.C. | OFFICE |
| F13 | OFFICE DESK | | | OWNER | G.C. | OFFICE |
| F14 | NAIL CHAIR | | | OWNER | G.C. | NAIL/FLEX ROOM |
| F15 | PEDICURE CHAIR | LIVING EARTH CRAFTS | WILSHIRE LE L100171 | OWNER | G.C. | NAIL/FLEX ROOM |
| F16 | PEDICURE STOOL | LIVING EARTH CRAFTS | | OWNER | G.C. | NAIL/FLEX ROOM |

## LOCKER ROOM ACCESSORIES

| TAG | DESCRIPTION | MANUFACTURER'S NAME | MODEL NO. | SUPPLIED BY | INSTALLED BY | COMMENTS |
|---|---|---|---|---|---|---|
| TA1 | RECESSED TOILET TISSUE DISPENSER FOR STUD WALL OR COUNTERTOP APRONS | BOBRICK | B-667 | G.C. | G.C. | FOR MOUNTING LOCATION SEE RETROOM ELEVATIONS |
| TA2 | 12" ADA GRAB BAR | KOHLER | K-11891-MATTE BLACK | G.C. | G.C. | AT ADA SHOWER |
| TA3 | 18" ADA GRAB BAR | KOHLER | K-11892-MATTE BLACK | G.C. | G.C. | AT ADA TOILET |
| TA4 | 24" ADA GRAB BAR | KOHLER | K-11893 MATTE BLACK | G.C. | G.C. | AT ADA SHOWER |
| TA5 | 36" ADA GRAB BAR | KOHLER | K-11895 MATTE BLACK | G.C. | G.C. | AT ADA TOILET |
| TA6 | 42" ADA GRAB BAR | KOHLER | K-10545 MATTE BLACK | G.C. | G.C. | AT ADA TOILET |
| TA7 | 48" ADA GRAB BAR | KOHLER | K-11897 MATTE BLACK | G.C. | G.C. | AT ADA SHOWER |
| TA9 | SOAP DISPENSER | FREE STANDING BROOKSDALE ROUND RESIN MARBLE LOOK | SKU: W004898684 | OWNER | OWNER | NOT PROVIDED OR INSTALLED BY GC |
| TA14 | BOBRICK B-270 CONTURA SERIES SURFACE MOUNTED SANITARY NAPKIN DISPOSAL | BOBRICK WASHROOM EQUIPMENT, INC. | B-270 | G.C. | G.C. | WOMENS TOILETS, EMPLOYEES TOILET |
| TA18 | UNDER COUNTER TRASH CAN | - | TO FIT WITHIN 16"W X 20"L MILLWORK CABINET | OWNER | G.C. | LOCATED IN M14A & M14B, LOCKER ROOMS |
| TA25 | ROBE HOOK | LIBERTY (HOME DEPOT) | B295276-FB-C | G.C. | G.C. | LOCKER ROOMS |
| TA28 | WALL HUNG MIRROR W/ METAL FRAME | CUSTOM | - | | | LOCKER ROOM, 36" x 96" |
| TA30 | WOVEN, FREE-STANDING TOWEL/PAPER TOWEL BASKET | - | - | OWNER | G.C. | LOCATED IN M14A & M14B, LOCKER ROOMS |
| TA31 | 66" ADA GRAB BAR | CUSTOM | CUSTOM ADA GRAB BAR. 1.25" DIA. MATTE BLACK | G.C. | G.C. | SEE KOHLER GRAB BARS FOR DESIGN INTENT |
| TA32 | 33" DECK MOUNTED ADA GRAB BAR | CUSTOM | CUSTOM ADA GRAB BAR. 1.25" DIA. MATTE BLACK | G.C. | G.C. | SEE KOHLER GRAB BARS FOR DESIGN INTENT |
| TA33 | FOLD DOWN ADA SHOWER BENCH | FREEDOM SHOWERS | APFSHAF185155TW-M | G.C. | G.C. | ADA SHOWER |

NOTES: GC TO CONFIRM ALL QUANTITIES PRIOR TO ORDERING

## MILLWORK SCHEDULE

| TAG | DESCRIPTION | MANUFACTURER | MODEL NO. | SUPPLIED BY | INSTALLED BY | COMMENTS |
|---|---|---|---|---|---|---|
| M1 | RECEPTION DESK | CUSTOM | WH-RD-3 | KEAMARK | KEAMARK | RECEPTION |
| M1A | RECEPTION DESK BACK BAR | CUSTOM | WH-CZ-L | KEAMARK | KEAMARK | RECEPTION |
| M2 | RETAIL FIXTURING | CUSTOM | WH-RT-WS, CR | KEAMARK | KEAMARK | RETAIL |
| M3 | BRAND TOUCH POINT FIXTURE | CUSTOM | WH-BT | KEAMARK | KEAMARK | BRAND TOUCH POINT |
| M4 | SALT ROOM BENCH | CUSTOM | CUSTOM | KEAMARK | KEAMARK | SALT ROOM |
| M5 | NAIL ROOM CABINET | CUSTOM | WH-NR | KEAMARK | KEAMARK | NAIL ROOM |
| M6 | ADA LOCKER ROOM BENCH | CUSTOM | WH-RR-BN | KEAMARK | KEAMARK | <varies> |
| M7A | LOCKER ROOM TOWEL DROP | CUSTOM | WH-RR-TD-35 | KEAMARK | KEAMARK | LOCKER ROOMS |
| M7B | TUB ROOM TOWEL DROP | CUSTOM | CUSTOM | KEAMARK | KEAMARK | TUB ROOM |
| M9 | WET BAR | CUSTOM | CUSTOM | KEAMARK | KEAMARK | HALLWAY |
| M10 | BOH LAUNDRY CASEWORK | CUSTOM | WH-BOH-LD | KEAMARK | KEAMARK | BOH ROOM |
| M11 | PREP BREAK ROOM DESK AND STORAGE | CUSTOM | WH-BOH-BK | KEAMARK | KEAMARK | PREP, BOH ROOM |
| M12 | BOH PREP ROOM CASEWORK | CUSTOM | WH-BOH-PR | KEAMARK | KEAMARK | BOH ROOM |
| M13A | TREATMENT ROOM CABINET | CUSTOM | CUSTOM | KEAMARK | KEAMARK | TREATMENT ROOM |
| M13B | DUAL TREATMENT ROOM CABINET | CUSTOM | CUSTOM | KEAMARK | KEAMARK | DUAL TREATMENT ROOM |
| M14A | RESTROOM VANITY 2 PERSON | CUSTOM | WH-RR-V2 | KEAMARK | KEAMARK | LOCKER ROOMS |
| M14B | RESTROOM VANITY 1 PERSON | CUSTOM | WH-RR-V1 | KEAMARK | KEAMARK | LOCKER ROOMS |
| M14C | VANITY MIRROR | CUSTOM | CUSTOM | KEAMARK | KEAMARK | LOCATED IN M14A & M14B, LOCKER ROOMS |
| M15 | VANITY & BUILT-IN TRASH CAN | CUSTOM | CUSTOM | KEAMARK | KEAMARK | WOMEN'S LOCKER ROOM |
| M23 | EMPLOYEES LOCKERS | CUSTOM | WH-BOH-LK | KEAMARK | KEAMARK | BOH ROOM |
| M24A | LOCKERS (LEFT HINGE) | CUSTOM | WH-LK-L | KEAMARK | KEAMARK | LOCKER ROOMS |
| M24B | LOCKERS (RIGHT HINGE) | CUSTOM | WH-LK-R | KAEMARK | KAEMARK | LOCKER ROOMS |
| M26 | TREATMENT NAIL TABLE | CUSTOM | GL-71 | KEAMARK | KEAMARK | NAIL ROOM |
| M27A | TEA LIGHT | CUSTOM | WH-SH-42 | KEAMARK | KEAMARK | TREATMENT, DUAL TREATMENT, AND DUET |
| M27B | TEA LIGHT | CUSTOM | WH-SH-60 | KAEMARK | KAEMARK | TREATMENT, DUAL TREATMENT, AND DUET |
| M28 | OFFICE WALL SHELF LARGE | CUSTOM | WH-OF-WL | KEAMARK | KEAMARK | OFFICE |
| M29 | OFFICE COUNTERTOP | CUSTOM | WH-OF-CT | KEAMARK | KEAMARK | OFFICE |
| M30 | OFFICE SHELVES | CUSTOM | CUSTOM | KEAMARK | KEAMARK | OFFICE |
| M31 | TUB ROOM SHELVES | CUSTOM | CUSTOM | KEAMARK | KEAMARK | TUB ROOM |
| M32 | TEALIGHT HOLDER | CUSTOM | CUSTOM | KEAMARK | KEAMARK | LOCKER ROOMS |

NOTES: GC TO CONFIRM ALL QUANTITIES PRIOR TO ORDERING

HATCHED ITEMS ARE NOT USED

MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

CLIENT: WOODHOUSE™

PROJECT: WOODHOUSE SPAS - WILMINGTON, NC
1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

SEAL: ERIC L. STYER REGISTERED ARCHITECT 12820 NORTH CAROLINA ILLINOIS BUFFALO GROVE

LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT: DXU ARCHITECTS
615 Wells Street • Suite 200 • Chicago • IL • 60607
T: 312.733.3334 • dxuarch.com

CONSULTANTS:

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

EQUIPMENT & FURNITURE SCHEDULES

A8-2

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PLOT DATE: 3/14/2025 2:39 PM PLOTTED BY: KEVIN PARLEY

# Finish Schedule

| | | Signature Moment | | | | Lux | | | | Grand Lux | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mark | Location | Description | Manufacturer | Model | Comments | Description | Manufacturer | Model | Comments | Description | Manufacturer | Model | Comments |
| ACT-1 | BOH, Office, Storage,Mechanical | Acoustical Ceiling Tile | Armstrong | Dune: Angled Tegular | Color: White<br>Texture: Medium<br>Dimension: 24" x 24" x 5/8" | Acoustical Ceiling Tile | Armstrong | Georgian 1753 Beveled Tegular | Color: White<br>Texture: Medium<br>Dimension: 24" x 24" x 5/8" | Acoustical Ceiling Tile | Armstrong | Dune Angled Tegular #1774 | Color: White<br>Texture: Medium<br>Dimension: 24" x 24" x 5/8" |
| ACT-2 | Customer Forward Spaces (Field Selection) | Acoustical Ceiling Tile | Armstrong | Dune: Beveled Tegular | Color: Grey Stone<br>Texture: Medium<br>Dimension: 24" x 24" x 3/4" | Acoustical Ceiling Tile | Armstrong | Cirrus Beveled Tegular | Color: Grey Stone<br>Texture: Medium<br>Dimension: 24" x 24" x 3/4" | Acoustical Ceiling Tile | Armstrong | Cella Beveled Tegular #2824MGS | Color: Grey Stone<br>Texture: Smooth<br>Dimension: 24" x 24" x 1" |
| ES-1 | Exterior Entry Finish | Wood-look fiber cementpanel | Nichiha | Product Name: VintageWood, Cedar<br>Color: Cedar, EPC762F<br>Size: 17 7/8"H x 5/8" Thk.<br>Pattern Options: Installed Horizontally. | Notes: Follow manufacturers instructions for installation. | Wood-look fiber cementpanel | Nichiha | Product Name: VintageWood, Cedar<br>Color: Cedar, EPC762F<br>Size: 17 7/8"H x 5/8" Thk.<br>Pattern Options: Installed Horizontally. | Notes: Follow manufacturers instructions for installation. | Wood-look fiber cementpanel | Nichiha | Product Name: VintageWood, Cedar<br>Color: Cedar, EPC762F<br>Size: 17 7/8"H x 5/8" Thk.<br>Pattern Options: Installed Horizontally. | Notes: Follow manufacturers instructions for installation. |
| FRP-1 | Back of House | FRP | Marlite | FRP (Standard FRP)<br>Color: S100G WHITE<br>Surface: Smooth<br>Size: 4'x10' x 3/32" Thk. | Lead Time: In-stock | FRP | Marlite | FRP (Standard FRP)<br>Color: S100G WHITE<br>Surface: Smooth<br>Size: 4'x10' x 3/32" Thk. | Lead Time: In-stock | FRP | Marlite | FRP (Standard FRP)<br>Color: S100G WHITE<br>Surface: Smooth<br>Size: 4'x10' x 3/32" Thk. | Lead Time: In-stock |
| FW-1 | Reception/Feature Entry Wall | | | | | | | | | Vertical Foliage Panels | Garden On The Wall | Product: Tier 1, Foliage/Moss applied over Flat Moss canvas w/ 50% density<br>Pattern: To be sketched/rendered by GOTW for approval per actual dimensions<br>Safety Reference: Flame Spread Index (ASTM E84): Class 1 or A<br>Size: custom, 3"-6" depth | Notes: Installation should be completed by trained Garden on the Wall technicians to ensure standards and to receive 5 year warranty. Backing wall prepped with 3/4" plywood.<br>Lead Time: 8-10 weeks. |
| GL-1 | Tub Room | | | | | | | | | Ombre Patterned Glass | Bendheim | Pattern: ORTK-1087<br>Size: 60" x 120"<br>Lead time: 3-4 weeks, Notify Architect of extended lead times. | Ombre installed vertically, most opaque at base, clear at top.<br>Notes: Glass is annealed and laminated safety glass, but can be tempered and laminated in needed<br>for the application. Glass panel to meet safety standards and codes. |
| MF-1 | Entry Arch, Gold Accents and Focal wall | Scuff Master Bronze Paint | Wolf Gordon | Color: Warm Metals, GOH 12789593<br>Base: Waterbased plyurethane acrylic<br>Lead Time: In-stock | Notes: Refer and follow all manufacturer preparation, installation and finishing instructions. | Scuff Master Bronze Paint | Wolf Gordon | Color: Warm Metals, GOH 12789593<br>Base: Waterbased plyurethane acrylic<br>Lead Time: In-stock | Notes: Refer and follow all manufacturer preparation, installation and finishing instructions. | Scuff Master Bronze Paint | Wolf Gordon | Color: Warm Metals, GOH 12789593<br>Base: Waterbased plyurethane acrylic<br>Lead Time: In-stock | Notes: Refer and follow all manufacturer preparation, installation and finishing instructions. |
| MR-1 | Locker rooms | Clear Mirror | Contractor's Choice | Contractor to submit selection for Architect's approval.<br>Size: Refer to drawings | G.C. | Clear Mirror | Contractor's Choice | Contractor to submit selection for Architect's approval.<br>Size: Refer to drawings | G.C. | Clear Mirror | Contractor's Choice | Contractor to submit selection for Architect's approval.<br>Size: Refer to drawings | G.C. |
| | | | | | | | | | | | | | |
| PL-3 | BOH Counter tops & millwork | Gray Laminate | Wilsonart | Color: Misted Zephyr<br>Lead time: Off-the-Shelf, Notify Architect of extended lead times prior to ordering. | | Gray Laminate | Wilsonart | Pattern: 4843-60<br>Color: Misted Zephyr<br>Lead time: Regulary stocked item, In-stock | | Gray Laminate | Wilsonart | Pattern: 4843-60<br>Color: Misted Zephyr<br>Lead time: Regulary stocked item, In-stock | |
| PL-4 | Back bar counter top | White Laminate | Wilsonart | Pattern: D354-60<br>Color: Designer White<br>Lead Time: Regularly stocked item, In-stock<br>Finish: Matte Finish | | White Laminate | Wilsonart | Pattern: D354-60<br>Color: Designer White<br>Lead Time: Regularly stocked item, In-stock<br>Finish: Matte Finish | | White Laminate | Wilsonart | Pattern: D354-60<br>Color: Designer White<br>Lead Time: Regularly stocked item, In-stock<br>Finish: Matte Finish | |
| PT-1 | Retail, Quiet Room walls, Hallway walls, Hallway Storage Closet doors & trim, Ceiling throughout UNO | Dark Gray Paint | Sherwin Williams | Color: Dovetail<br>Color Number: SW 7018 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Dark Gray Paint | Sherwin Williams | Color: Dovetail<br>Color Number: SW 7018 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Dark Gray Paint | Sherwin Williams | Color: Dovetail<br>Color Number: SW 7018 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. |
| PT-2 | Treatment rooms, walls, and ceilings | Dorian grey | Sherwin Williams | Color: Dorian Grey<br>Color Number: SW 7017 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Dorian grey | Sherwin Williams | Color: Dorian Grey<br>Color Number: SW 7017 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Dorian grey | Sherwin Williams | Color: Dorian Grey<br>Color Number: SW 7017 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. |
| PT-3 | Locker rooms, Nail room, Infrared room, Salt room,Office, BOH | Light-Medium Gray Paint | Sherwin Williams | Color: Mindful Gray<br>Color Number: SW 7016 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Light-Medium Gray Paint | Sherwin Williams | Color: Mindful Gray<br>Color Number: SW 7016 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Light-Medium Gray Paint | Sherwin Williams | Color: Mindful Gray<br>Color Number: SW 7016 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. |
| PT-4 | OPTIONAL ACCENT COLOR | Sherwin Williams | Sherwin Williams | Color: Urbane Bronze<br>Color Number: SW 7048 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Sherwin Williams | Sherwin Williams | Color: Urbane Bronze<br>Color Number: SW 7048 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Sherwin Williams | Sherwin Williams | Color: Urbane Bronze<br>Color Number: SW 7048 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. |
| PT-5 | SLAT WALL ALTERNATE ACCENT | Blue Accent Paint | Sherwin Williams | Color: Salty Dog<br>Color Number: SW 9177 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Blue Accent Paint | Sherwin Williams | Color: Salty Dog<br>Color Number: SW 9177 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. | Blue Accent Paint | Sherwin Williams | Color: Salty Dog<br>Color Number: SW 9177 | Wall Finish: Eggshell<br>Ceiling Finish: Flat<br>Door & Trim Finish: Satin<br>MillworkFinish: Satin<br>No substitutions on spec. |
| RB-1 | Interior Walls, paired with PT-1 | Rubber Base (gray) | Tarkett/ Johnsonite | Type: Mandalay<br>Color: # MW 281 H/ Grizzly<br>Height: 4 1/2"<br>Finish: Smooth | | Rubber Base (gray) | Tarkett/ Johnsonite | Type: Mandalay<br>Color: # MW 281 H/ Grizzly<br>Height: 4 1/2"<br>Finish: Smooth | | Rubber Base (gray) | Tarkett/ Johnsonite | Type: Mandalay<br>Color: # MW 281 H/ Grizzly<br>Height: 4 1/2"<br>Finish: Smooth | |
| RB-2 | Interior Walls, paired with PT-2 | Rubber Base (gray) | Tarkett/Jonsonite | Type: Mandalay<br>Color: # MW 32 H/ Pebble<br>Height: 4 1/2"<br>Finish: Smooth | | Rubber Base (gray) | Tarkett/Jonsonite | Type: Mandalay<br>Color: # MW 32 H/ Pebble<br>Height: 4 1/2"<br>Finish: Smooth | | Rubber Base (gray) | Tarkett/ Johnsonite | Type: Mandalay<br>Color: # MW 32 H/ Pebble<br>Height: 4 1/2"<br>Finish: Smooth | |
| RB-3 | Interior Walls, paired with PT-3 | Rubber Base (gray) | Tarkett/Jonsonite | Type: Mandalay<br>Color: # MW 23 H/ Vapor Gray<br>Height: 4 1/2"<br>Finish: Smooth | | Rubber Base (gray) | Tarkett/Jonsonite | Type: Mandalay<br>Color: # MW 23 H/ Vapor Gray<br>Height: 4 1/2"<br>Finish: Smooth | | Rubber Base (gray) | Tarkett/ Johnsonite | Type: Mandalay<br>Color: # MW 23 H/ Vapor Gray<br>Height: 4 1/2"<br>Finish: Smooth | |
| RB-4 | BOH, Office, Storage ,Mechanical Room | Rubber Base (gray) | Roppe | Type: Cove Base<br>Color: Dark Gray<br>Height: 4"<br>Finish: Smooth<br>Item #150 | | Rubber Base (gray) | Roppe | Type: Cove Base<br>Color: Dark Gray<br>Height: 4"<br>Finish: Smooth<br>Item #150 | | Rubber Base (gray) | Roppe | Type: Cove Base<br>Color: Dark Gray<br>Height: 4"<br>Finish: Smooth<br>Item #150 | |
| SC-1 | Treatment Room Ceilings | | | | | | | | | Direct Attach Wood-LookCeiling | Rulon International | Product: Direct Attach 400<br>Finish: English Walnut 227 on Black Base<br>Size: 4'w X 12'l X 3/8" Thick/ Perimeter<br>Enduro #470 Trim | Notes: Follow manufacturer's installation instructions and ceiling details for exact location and details.<br>Lead Time: 1/2 Weeks |
| SS-1 | Tub Surround: LEDGE FILLER FOR DROP-IN TUB | Quartz Counter top | Ceasarstone | Pattern: White Attica 5143<br>Color: 4600<br>Size: 2cm<br>Finish: Polished | Notes: Refer and follow all manufacturers preparation, installation and finishing instructions. | Quartz Counter top | Ceasarstone | Pattern: White Attica 5143<br>Color: 4600<br>Size: 2cm<br>Finish: Polished | Notes: Refer and follow all manufacturers preparation, installation and finishing instructions. | Quartz Counter top | Ceasarstone | Pattern: White Attica 5143<br>Color: 4600<br>Size: 2cm<br>Finish: Polished | Notes: Refer and follow all manufacturers preparation, installation and finishing instructions. |
| SS-1A | Tub Surround: BUDGET ALT | Solid Surface | Corian | Product: Corian<br>Color: Rain Cloud | Notes: Refer and follow all manufacturer preparation, installation and finishing instructions. | Solid Surface | Corian | Product: Corian<br>Color: Rain Cloud | Notes: Refer and follow all manufacturer preparation, installation and finishing instructions. | Solid Surface | Corian | Product: Corian<br>Color: Rain Cloud | Notes: Refer and follow all manufacturer preparation, installation and finishing instructions. |
| SW-1 | Reception, Quite Room | | | | | Slat Wall Panel | The Wood Veneer Hub | Collection: Slat panel<br>Pattern:<br>Size: 94.49" x 12.60" Per Panel | | Slat Wall Panel | The Wood Veneer Hub | Collection: Slat panel<br>Pattern: TBD<br>Size: 94.49" x 12.60" Per Panel | |
| T-1 | Front of House, Retail Wall at Lobby | | | | | | | | | Porcelain Tile | Stone Source | Collection: Rombini Triangle, Large<br>Color: Gray<br>Finish: Matte<br>Size: 12"x2"x1"<br>Grout: Laticrete #78 Sterling Silver | Follow manufacturers instructions for installation.<br>Lead Time: 12 weeks, average lead time 6-8 weeks |
| T-1A | Front of House, Retail Wall at Lobby | | | | | | | | | Porcelain Tile | Creative Materials Corporation | Collection: Wavelength<br>Color: Gray Linear<br>Finish: Matte<br>Size: 12"x24"x10mm<br>Grout: Laticrete #78 Sterling Silver | Alternate Finish Selection for T-1 at owner's approval only.<br>Follow Manufacturer's instructions for installation. |
| T-2 | Locker Room (Behind Vanity) & Tub Room | Ceramic Wall Tile | Concept Surfaces | Collection: Stack<br>Color: Green<br>Material: Ceramic<br>Size: 8" x 8" x 5/16" Thk<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks | Ceramic Wall Tile | Concept Surfaces | Collection: Stack<br>Color: Green<br>Material: Ceramic<br>Size: 8" x 8" x 5/16" Thk<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks | Ceramic Wall Tile | Concept Surfaces | Collection: Stack<br>Color: Green<br>Material: Ceramic<br>Size: 8" x 8" x 5/16" Thk<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks |
| T-2A | Locker Room (Behind Vanity) & Tub Room | Ceramic Wall Tile | Creative Materials Corporation | Collection: Inside<br>Color: Green (Gloss), Blue (Gloss)<br>Material: Ceramic<br>Size: 4" x 12" x 7mm Thk (Vertical Orientation)<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks | Ceramic Wall Tile | Creative Materials Corporation | Collection: Inside<br>Color: Green (Gloss), Blue (Gloss)<br>Material: Ceramic<br>Size: 4" x 12" x 7mm Thk (Vertical Orientation)<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks | Ceramic Wall Tile | Creative Materials Corporation | Collection: Inside<br>Color: Green (Gloss), Blue (Gloss)<br>Material: Ceramic<br>Size: 4" x 12" x 7mm Thk (Vertical Orientation)<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks |
| T-3 | Nail Room | Ceramic Wall Tile | Concept Surfaces | Collection: Stack<br>Color: Grey<br>Material: Ceramic<br>Size: 8" x 8" x 5/16" Thk<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks | Ceramic Wall Tile | Concept Surfaces | Collection: Stack<br>Color: Grey<br>Material: Ceramic<br>Size: 8" x 8" x 5/16" Thk<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks | Ceramic Wall Tile | Concept Surfaces | Collection: Stack<br>Color: Grey<br>Material: Ceramic<br>Size: 8" x 8" x 5/16" Thk<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks |
| T-3A | Nail Room | Ceramic Wall Tile | Creative Materials Corporation | Collection: Inside<br>Color: Grey (Gloss)<br>Material: Ceramic<br>Size: 4" x 12" x 7mm Thk (Vertical Orientation)<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks | Ceramic Wall Tile | Creative Materials Corporation | Collection: Inside<br>Color: Grey (Gloss)<br>Material: Ceramic<br>Size: 4" x 12" x 7mm Thk (Vertical Orientation)<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks | Ceramic Wall Tile | Creative Materials Corporation | Collection: Inside<br>Color: Grey (Gloss)<br>Material: Ceramic<br>Size: 4" x 12" x 7mm Thk (Vertical Orientation)<br>Grout: Laticrete Grout #45 Raven<br>Finish: Non-Rectified, Glossy | Follow manufacturers instructions for installation. Stack Bond Pattern.<br>Lead Time: 8-10 Weeks |
| T-4 | Focal Walls, Fireplace wall & Coves | | | | | Porcelain Wall Tile | Landmark Ceramics | Pattern: Infinity Desert<br>Material: Porcelain<br>Size: 24"X48" - 9mm Thick<br>Grout: Laticrete Grout #90 Light<br>Finish: Matte/ Natural | Follow manufacturers instructions for installation. 1/3 vertical running bond pattern, 1/16" joint<br>width. | Porcelain Wall Tile | Landmark Ceramics | Pattern: Infinity Desert<br>Material: Porcelain<br>Size: 24"X48" - 9mm Thick<br>Grout: Laticrete Grout #90 Light<br>Finish: Matte/ Natural | Follow manufacturers instructions for installation. 1/3 vertical running bond pattern, 1/16" joint<br>width. |
| T-5 | Women's Locker Room Wall and Floor | Porcelain Wall Tile | Concept Solutions | Collection: Silverstone<br>Color: Carrara Argento<br>Material: Porcelain<br>Size: 12"x24"<br>Grout: Laticrete #90 Light<br>Wall Finish: Polished<br>Floor Finish: Matte | Notes: Follow manufacturers instructions for installation. Vertical stack bond, 1/16" joint width.<br>Lead Time: 6-7 Weeks | Porcelain Wall Tile | Concept Solutions | Collection: Silverstone<br>Color: Carrara Argento<br>Material: Porcelain<br>Size: 12"x24"<br>Grout: Laticrete #90 Light<br>Wall Finish: Polished<br>Floor Finish: Matte | Notes: Follow manufacturers instructions for installation. Vertical stack bond, 1/16" joint<br>width.<br>Lead Time: 6-7 Weeks | Porcelain Wall Tile | Concept Solutions | Collection: Silverstone<br>Color: Carrara Argento<br>Material: Porcelain<br>Size: 12"x24"<br>Grout: Laticrete #90 Light<br>Wall Finish: Polished<br>Floor Finish: Matte | Notes: Follow manufacturers instructions for installation. Vertical stack bond, 1/16" joint width.<br>Lead Time: 6-7 Weeks |

HATCHED ITEMS ARE NOT USED

PLOT DATE: 3/14/2025 1:55 PM PLOTTED BY: KEVIN PAGLEY

MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

WOODHOUSE™

CLIENT

**WOODHOUSE SPAS - WILMINGTON, NC**

1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

PROJECT

ERIC L. STYER
REGISTERED ARCHITECT
12820
NORTH CAROLINA
BUFFALO GROVE, ILLINOIS

SEAL

LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT
DXU ARCHITECTS
815 West Van Buren • Chicago IL 60607
t e l 3 1 2 . 3 9 3 . 1 9 3 4 • e x t e l . c o m

CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

| No. | Issue | Date |
|---|---|---|
| — | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

FINISH SCHEDULES

A8-3

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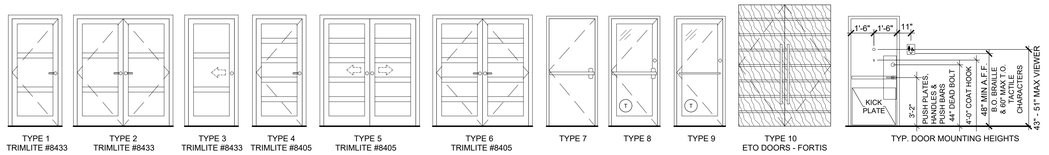
## DOOR SCHEDULE

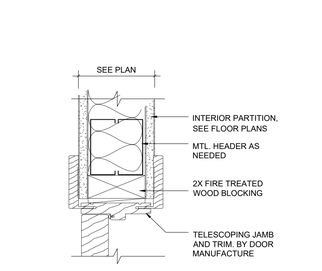
| TAG | ROOM NAME | MANUFACTURER | DOOR TYPE | DOOR HEIGHT | DOOR WIDTH | DOOR THICKNESS | DOOR MATERIAL | DOOR FINISH | FRAME MATERIAL | FRAME FINISH | FRAME HEAD | FRAME JAMB | FRAME SILL | HARDWARE | FIRE RATING | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | ENTRY DOOR | ETO DOORS | 10 | 95 1-3/4" | 36" EACH | 1-3/4" | FIBRGLSS | WS-1 | ALUM | MATCH STOREFRONT | - | - | - | A | - | STAIN TO MATCH NICHIHA PANELS |
| 101A | EXIT DOOR | EXISTING | EXISTING | | | | | | - | - | - | - | - | | - | |
| 101B | STORAGE | TRIMLITE | 4 | 84 | 28" | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | B | - | |
| 101C | STORAGE | TRIMLITE | 5 | 84" EACH | 30" EACH | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | F | - | |
| 101D | STORAGE | TRIMLITE | 5 | 84" EACH | 30" EACH | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | F | - | |
| 101E | STORAGE | TRIMLITE | 5 | 84" EACH | 30" EACH | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | F | - | |
| 101F | STORAGE | TRIMLITE | 5 | 84" EACH | 30" EACH | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | F | - | |
| 101G | STORAGE | TRIMLITE | 5 | 84" EACH | 30" EACH | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | F | - | |
| 101H | STORAGE | TRIMLITE | 5 | 84" EACH | 30" EACH | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | F | - | |
| 102 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 103 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 104 | DUET TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 105 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 106 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 107 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 108 | VIP ROOM | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 109 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 110 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 111 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 112 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 113 | TUB ROOM | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 114 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 115 | TREATMENT | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 116 | MEN'S LOCKER | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 117 | MEN'S SHOWER | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 118 | MEN'S RESTROOM | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 119 | SAUNA | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 120 | WOMEN'S LOCKER | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 121 | WOMEN'S RESTROOM | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 122 | WOMEN'S RESTROOM | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 123 | WOMEN'S SHOWER | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | C | - | |
| 124 | QUIET ROOM | TRIMLITE | 6 | 84" EACH | 30" EACH | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | B | - | |
| 125 | FLEX/NAIL | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-1 | H2 | J2 | - | C | - | KEYED LOCK, THUMB TURN ON PRIVACY SIDE |
| 126 | OFFICE | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-2 | WOOD | PT-1 | H2 | J2 | - | D | - | KEYED LOCK, THUMB TURN ON PRIVACY SIDE |
| 127A | BACK OF HOUSE | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | B | 3/4 HR | DOOR AND FRAME SHALL BEAR FIRE RATING BADGE FOR 3/4 HOUR MIN. |
| 127B | EXIT DOOR | EXISTING | EXISTING | - | - | - | - | - | - | - | - | - | - | - | - | |
| 127C | WATER HEATER | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | C | - | |
| 127D | JANITOR | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | C | - | |
| 128 | ADA RESTROOM | TRIMLITE | 4 | 84" | 36" | 1-3/8" | WOOD | PT-1 | WOOD | PT-1 | H2 | J2 | - | C | - | |
| 129 | IT | TRIMLITE | 4 | 84 | 28" | 1-3/8" | WOOD | PT-2 | WOOD | PT-2 | H2 | J2 | - | B | - | |

*GC SHALL CONFIRM WITH FRANCHISE OWNER WHETHER DOORS SHALL HAVE SCHEDULED FINISH OR ALT FINISH.

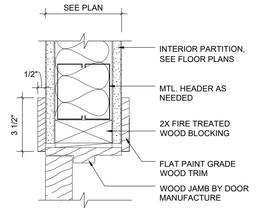
## HARDWARE SCHEDULE

| MARK | DESCRIPTION | SPECIFICATION |
|---|---|---|
| A | MAIN ENTRY DOOR (WOODHOUSE BRANDED) | SELECT GEARED CONTINUOUS HINGE SL18 HEAVY DUTY HD, BLACK MATTE FINISH |
| | | CLOSER LCN 1460, PARALLEL ARM CLOSER W/ HOLD OPEN, PUSH SIDE TOP OF JAMB MOUNT, FINISH 613 |
| | | FULL SADDLE THRESHOLD - PEMKO 171-D, 5" WIDE, FIELD VERIFY LENGTH, FINISH BLACK MATTE ANODIZED |
| | | FULL WEATHER STRIPPING - PEMKO P50BL, KERF-IN WEATHER STRIPPING |
| | | DOOR SWEEP - PEMKO 2931 OODNB BRUSH GASKET W/ CONCEALED FASTENERS, BLACK MATTE FINISH, BLACK BRUSH |
| | | ASTRAGAL SEAL - PEMKO 300DP RECESSED INTO DOOR, BLACK MATTE FINISH |
| | | (1) PAIR PER LEAF - ASSA ABLOY ROCKWOOD FULL MM26 10 1.25" DIA. 48" C.C. 54"L, BLACK SUEDE POWDER COAT FINISH |
| | | MOUNTED ON ARCHED PLATE 2262. 102, BLACK MATTE FINISH |
| | | DOOR THICKNESS OF 1.825"-2.25" REQUIRES 6501.000.D CONVERSION KIT |
| | | (1) VON DRPN SURFACE MOUNTED VERTICAL ROD EXIT DEVICE 9827NL-OP L TRIM, BLACK MATTE FINISH |
| | | (1) VON DRPN SURFACE MOUNTED VERTICAL ROD EXIT DEVICE 9827 80 U TRIM, BLACK MATTE FINISH |
| | | (1) MORTISE CYLINDER LOCK, BLACK MATTE FINISH |
| B | SINGLE SWING DOOR - PASSAGE | (3) OTLAV PLAIN (VISIBLE) HINGES, BLACK MATTE FINISH |
| | | (1) PAIR HORIZONTAL - SQ NERO BLACK DOOR HANDLE BY MORELLI |
| | | (1) M1895 BL PASSAGE LOCK BY MORELLI, MATTE BLACK FINISH |
| C | SINGLE SWING DOOR - PRIVACY | (3) OTLAV PLAIN (VISIBLE) HINGES, BLACK MATTE FINISH |
| | | (1) PAIR HORIZONTAL - SQ NERO BLACK DOOR HANDLE BY MORELLI |
| | | (1) M1895 BL PRIVACY LOCK BY MORELLI, MATTE BLACK FINISH |
| | | (1) COVER PLATES BK6 XM BL-24, MATTE BLACK FINISH |
| D | SINGLE SWING DOOR - OFFICE | (3) OTLAV PLAIN (VISIBLE) HINGES, BLACK MATTE FINISH |
| | | (1) PAIR HORIZONTAL - SQ NERO BLACK DOOR HANDLE BY MORELLI |
| | | (1) M1895 BL KEYED LOCK BY MORELLI, MATTE BLACK FINISH |
| | | (1) COVER PLATES BK6 XM BL-24, MATTE BLACK FINISH |
| | | (1) COVER PLATES CYLINDER SET USS8 BL-26, MATTE BLACK FINISH |
| E | SWING DOORS - PASSAGE (EACH LEAF) | (3) OTLAV PLAIN (VISIBLE) HINGES, BLACK MATTE FINISH |
| | | (1) PAIR HORIZONTAL - SQ NERO BLACK DOOR HANDLE BY MORELLI |
| | | (1) BALL & CATCH SOLID BRASS - 8802 US19 FLAT BLACK |
| | | (1) DUMMY PLATES, MATTE BLACK FINISH |
| | | FLOOR MOUNT DOOR STOP, IVES #FS438 DOME STOP, MATTE BLACK FINISH. COORDINATE HEIGHT W. UNDERCUT |
| F | SWING DOORS - DUMMY (EACH LEAF) | (3) OTLAV PLAIN (VISIBLE) HINGES, BLACK MATTE FINISH |
| | | (1) PAIR HORIZONTAL - SQ NERO BLACK DOOR HANDLE BY MORELLI |
| | | (1) BALL & CATCH SOLID BRASS - 8802 US19 FLAT BLACK |
| | | (1) DUMMY PLATES, MATTE BLACK FINISH |
| G | SINGLE POCKET DOOR - LOCK/PASSAGE | JOHNSON HARDWARE 2060SC SERIES HEAVY DUTY SOFT-CLOSE & OPEN POCKER DOOR FRAME KIT |
| | | (PASSAGE SIDE) AGB B0193000093 SCVOLA KIT - SQUARE AND FINGER PULLS D48, MATTE BLACK FINISH |
| | | (PRIVACY SIDE) AGB B0193000232 SCVOLA 21 KIT - KNOB/BUTTON, FINGER PULL 40-48MM, MATTE BLACK FINISH |
| | | AGB B0890025034 LOCK SCVOLA TQB-KEY F/MED, MATTE BLACK FINISH |
| H | PAIR POCKET DOOR - LOCK/PASSAGE (EACH LEAF) | JOHNSON HARDWARE 2060SC SERIES HEAVY DUTY SOFT-CLOSE & OPEN POCKER DOOR FRAME KIT |
| | | (PASSAGE SIDE) AGB B0193000093 SCVOLA KIT - SQUARE AND FINGER PULLS D48, MATTE BLACK FINISH |
| | | (PRIVACY SIDE) AGB B0193000232 SCVOLA 21 KIT - KNOB/BUTTON, FINGER PULL 40-48MM, MATTE BLACK FINISH |
| | | AGB B0890025034 LOCK SCVOLA TQB-KEY F/MED, MATTE BLACK FINISH |
| I | ENTRY DOOR (STOREFRONT) | IF EXISTING, REKEY LOCK AND REUSE EXISTING HARDWARE IF MATCHING BELOW |
| | | CLOSER: NORTON 1601, SIZES 1-6 BHMA-ADA COMPLIANT |
| | | BRUSH STYLE DOOR SWEEP BY NORTON |
| | | PROVIDE 1" LETTERS CONTRASTING WITH BACKGROUND STATING "THIS DOOR TO REMAIN UNLOCKED WHILE SPACE IS OCCUPIED" |
| J | EXIT DOOR (REAR EGRESS) | IF EXISTING, REKEY LOCK AND REUSE EXISTING HARDWARE IF MATCHING BELOW |
| | | CLOSER: NORTON 1601, SIZES 1-6 BHMA-ADA COMPLIANT |
| | | BRUSH STYLE DOOR SWEEP BY NORTON |
| | | ALARM - THE MONITOR, MODEL 4000 AKS WITH STROBE AND BEST LOCK CYLINDER |
| | | PANIC HARDWARE, WITH LOCKING POINTS AT HEAD AND THRESHOLD COMPLIANT WITH NFPA 101 12.2.2.2.3 |
| | | |
| 1 | ADD ON TO ANY HARDWARE SET ABOVE | INCLUDE ADA COMPLIANT CLOSING HARDWARE: YALE 2700 SERIES DOOR CLOSER, BLACK SUEDE POWDER COAT FINISH |

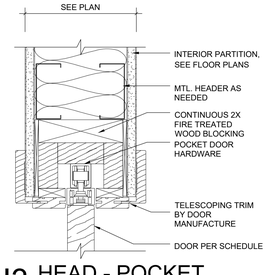


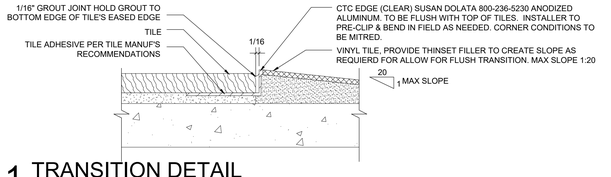

H1 HEAD - TELESCOPING
3"=1'-0"



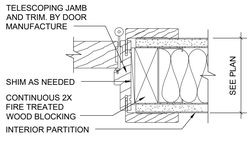

H2 HEAD - STANDARD
3"=1'-0"



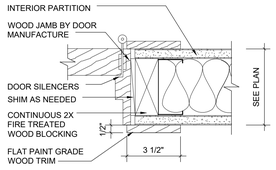

H3 HEAD - POCKET
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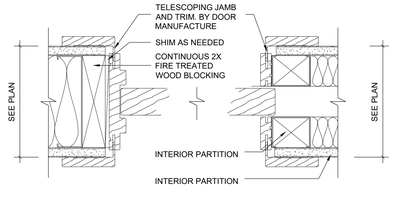

1 TRANSITION DETAIL
3"=1'-0"



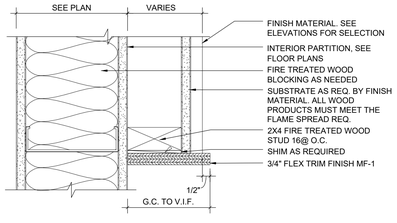

J1 JAMB - TELESCOPING
3"=1'-0"



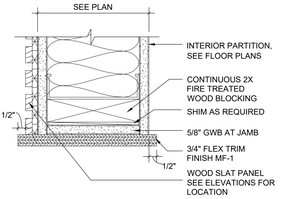

J2 JAMB - STANDARD
3"=1'-0"




J3 JAMB - POCKET
3"=1'-0"




2 FEATURE WALL JAMB
3"=1'-0"




3 ARCHED OPENING JAMB
3"=1'-0"

PLOT DATE: 3/14/2025 1:58 PM PLOTTED BY: KEVIN PASLEY

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WOODHOUSE™

CLIENT

PROJECT

**WOODHOUSE SPAS - WILMINGTON, NC**

1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

SEAL

ERIC L. STYER
REGISTERED ARCHITECT
12820
NORTH CAROLINA
BUFFALO GROVE, ILLINOIS

LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT

DXU ARCHITECTS
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CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

| No. | Issuan | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

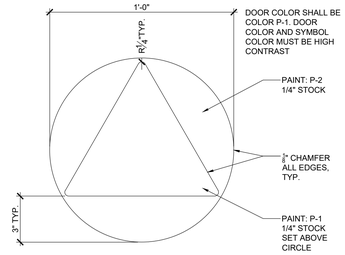
SHEET TITLE & NUMBER

DOOR SCHEDULES AND DETAILS

A8-4

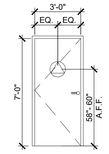
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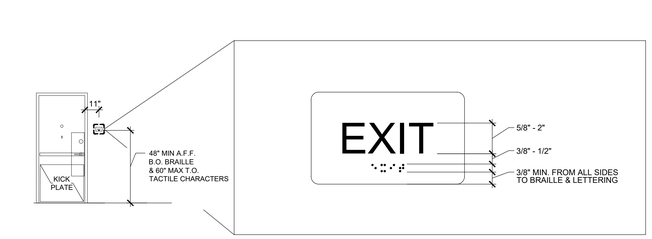
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## 1 RESTROOM DOOR SIGN

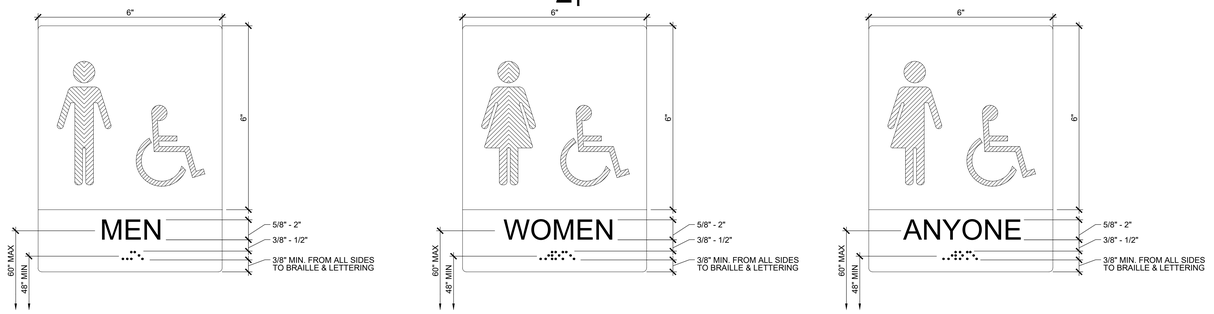
3"=1'-0"




ALL TACTILE SIGN SPECIFICATIONS MUST FOLLOW CBC 11B-703 AND BE MOUNTED IN ACCORDANCE WITH CBC 1013.4 AT EACH EXIT AND EXIT ACCESS DOOR

## 2 GRADE 2 BRAILLE EXIT SIGN




## 3 ACCESSIBLE RESTROOM SIGNS

6"=1'-0"

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WOODHOUSE™

**WOODHOUSE SPAS - WILMINGTON, NC**

1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

CLIENT

PROJECT

SEAL

ERIC L. STYER
REGISTERED ARCHITECT
12820
NORTH CAROLINA
BUFFALO GROVE, ILLINOIS

LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT

DXU ARCHITECTS
411 E. Wells Street • First Floor • Chicago • IL • 60607
T • 1 • 312 • 313 • 2121 • F • A • X • 1 • 1 • 2 • 3 • 1 • 2 • 1 • 2

CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

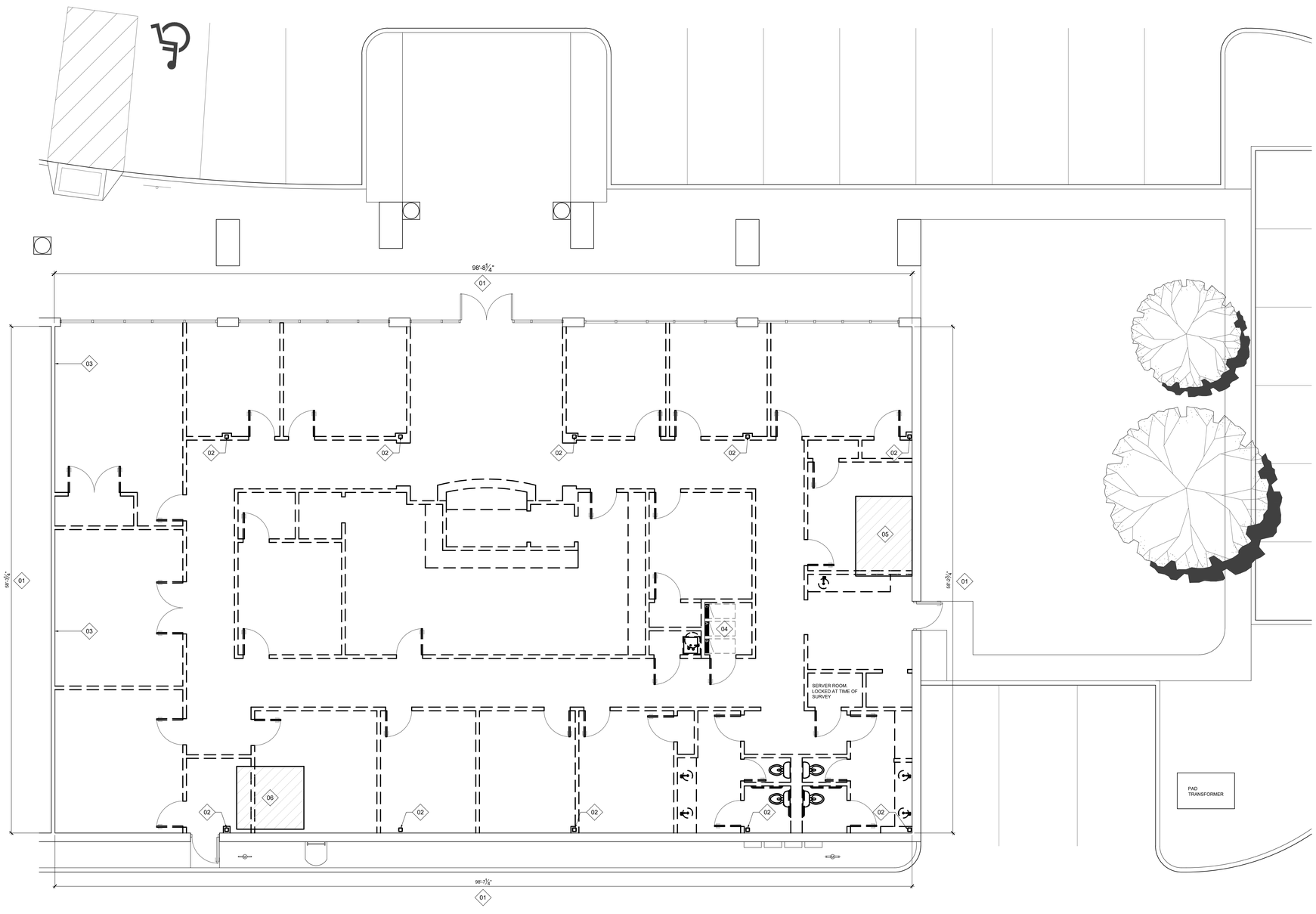
DOOR DETAILS

A8-5

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1 DEMOLITION PLAN
3/16"=1'-0"

## DEMOLITION KEYNOTES

01 VERIFY ACTUAL DIMENSION MATCHES INDICATED CRITICAL DIMENSION AFTER DEMOLITION AND NOTIFY ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES.

02 EXISTING COLUMNS TO REMAIN & BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. VERIFY LOCATIONS OF ALL COLUMNS ON PLANS AT THE END OF DEMOLITION AND COORDINATE ANY CONFLICTS W/ ARCHITECT

03 G.C. TO VERIFY EXISTING DEMISING WALL IS CONSTRUCTED IN ACCORDANCE W/ UL-419 1-HOUR FIRE RATING.

04 ELECTRICAL CONTRACTOR TO INSPECT EXISTING PANELS FOR DAMAGE & CORROSION AND REPAIR/ REPLACE AS REQUIRED.

05 SAW CUT EXISTING SLAB AND REMOVE EXISTING PORTION OF SLAB. IF REQUIRED EXCAVATE SUBGRADE AS REQUIRED FOR SURFACE OF NEW THICKENED SLAB TO BE RECESSED FROM EXISTING. SEE LAUNDRY THICKENED SLAB DETAILS FOR MORE INFORMATION. SEE PLANS FOR LOCATION AND SIZE OF AREA TO BE REMOVED.

06 SAW CUT EXISTING SLAB AND REMOVE EXISTING PORTION OF SLAB. IF REQUIRED EXCAVATE SUBGRADE AS REQUIRED FOR SURFACE OF NEW THICKENED SLAB TO BE RECESSED FROM EXISTING. SEE SAUNA CUT SHEETS FOR DEPTH OF NEW RECESSED CONCRETE SLAB. SEE PLANS FOR LOCATION AND SIZE OF AREA TO BE REMOVED.

## DEMOLITION NOTES

1. DEMOLISH EXISTING CONSTRUCTION AS INDICATED ON THE DRAWINGS AND REQUIRED BY JOB CONDITIONS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS THAT WOULD PREVENT REMOVAL OF ANY ELEMENTS INDICATED.
2. PROTECT EXISTING CONSTRUCTION AND EQUIPMENT DESIGNATED TO REMAIN.
3. CONTRACTOR SHALL ENDEAVOR TO IDENTIFY ANY HAZARDOUS MATERIALS WITHIN THE SPACE, INCLUDING BUT NOT LIMITED TO ASBESTOS BEARING MATERIALS, AND WHERE REQUIRED BY LAW, PROVIDE REQUIRED TESTING. WHERE HAZARDOUS MATERIALS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARRANGE FOR PROPER REMEDIATION.
4. UNLESS INDICATED OTHERWISE BY OWNER OR THESE DRAWINGS, ALL REMOVED MATERIAL AND ALL DEBRIS BECOMES THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE DEMOLISHED ITEMS FROM THE SITE AND DISPOSE OF THEM IN A LEGAL MANNER.
5. THE CONTRACTOR SHALL ADHERE TO ANSI A10.6 SAFETY REQUIREMENTS FOR DEMOLITION PUBLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.
6. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE ADEQUACY AND INSTALLATION OF ALL TEMPORARY SHORING SYSTEMS USED DURING THE REMOVAL OF EXISTING STRUCTURAL ELEMENTS, EXCEPT AS OTHERWISE AGREED BY THE BUILDING DEPT. AND THE ARCHITECT.
7. IF THE SAFETY OF EXISTING CONSTRUCTION APPEARS TO BE ENDANGERED AT ANY TIME, CEASE OPERATIONS AND IMMEDIATELY NOTIFY THE OWNER AND ARCHITECT. CONTRACTOR SHALL DEVISE A PLAN TO MAKE SAFE THE JOB SITE, TAKING PRECAUTIONS TO PROTECT LIFE SAFETY FIRST AND FOREMOST. WORK SHALL NOT RESUME UNTIL DANGEROUS CONDITIONS HAVE BEEN CORRECTED TO THE ARCHITECT'S SATISFACTION.
8. THE DRAWINGS DO NOT NECESSARILY INDICATE THE FULL EXTENT OF THE WORK REQUIRED TO BE PERFORMED TO COMPLETE THE EXISTING CONSTRUCTION. IT IS THE CONTRACTOR'S TO DETERMINE THE FULL EXTENT OF WORK TO BE PERFORMED AND THE PROBLEMS INVOLVED. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF FAILURE TO ESTIMATE THE FULL EXTENT OF THE WORK OR FOR ANY CONTINGENCIES IN CONNECTION THEREWITH.
9. ALL WORK SHALL BE PERFORMED BY SKILLED AND PROPERLY EQUIPPED PERSONNEL AND LICENSED WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
10. DEMOLITION AND REMOVAL OF ITEMS WHEN A SCAFFOLD, LADDER, OR OTHER VERTICAL ACCESS IS REQUIRED SHALL BE LOWERED BY CONTROLLED METHODS, NOT BY THROWING OR DROPPING.
11. PERFORM ANY CUTTING AND STRIPPING SO THAT THE WORK TO REMAIN IS UNDAMAGED AND IN SUCH MANNER THAT NEW WORK CAN BE PROPERLY CONNECTED WITH EXISTING WORK TO REMAIN.
12. DEMOLISH EXISTING CONSTRUCTION ONLY TO THE EXTENT NECESSARY FOR THE PROPER INSTALLATION OF NEW CONSTRUCTION AND JUNCTION WITH EXISTING. WORK. CUT BACK FINISHED SURFACES TO STRAIGHT, PLUMB AND LEVEL AS REQUIRED.
13. SAWING SHALL BE PERFORMED BY EXPERIENCED CRAFTSMEN CUSTOMARILY ENGAGED IN AND PROPERLY EQUIPPED FOR THE PERFORMANCE OF THE TYPE OF WORK REQUIRED BY JOB CONDITIONS. PROVIDE WATER AND VACUUM EQUIPMENT FOR CONTROL OF WASTE COOLING LIQUID AND DUST PROTECTION AS REQUIRED.
14. WHEN REQUIRED FOR NEW WORK, INCIDENTAL REMOVAL OF EXISTING ELEMENTS MAY BE REQUIRED FOR THE INSTALLATION OF PIPING, CONDUIT, TUBING, DUCTWORK, OR OTHER CONVEYANCE ELEMENTS AS REQUIRED BY MECHANICAL, PLUMBING, AND ELECTRICAL SCOPE. THE DRAWINGS MAY NOT INDICATE ANY SUCH INCIDENTAL DEMOLITION. HOWEVER IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND PERFORM SUCH.
15. DRILLING AND INSTALLING SLEEVES FOR PASSAGE OF PIPING, CONDUIT, AND TUBING SHALL BE PERFORMED BY THE TRADE INSTALLING THE PIPING, CONDUIT, OR TUBING.
16. REPAIR, RESTORE, REPLACE, OR MAKE GOOD ANY DAMAGE TO EXISTING CONSTRUCTION WHICH OCCURS AS A RESULT OF DEMOLITION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER. THIS INCLUDES BUT IS NOT LIMITED TO ROOF PATCHING, REQUIRED DUE TO DEMOLITION AND SHALL BE COORDINATED WITH THE LANDLORD AND LANDLORD'S ROOFER.
17. DO NOT ALLOW MATERIALS AND DEBRIS GENERATED BY DEMOLITION ACTIVITIES TO ACCUMULATE. REMOVE DAILY AND DISPOSE OF IN A LEGAL MATTER. NO ON-SITE SALE, BURNING, OR BURYING OF DEMOLISHED MATERIALS WILL BE PERMITTED. DEBRIS SHALL NOT BE STORED OR STAGED NEAR ANY BACKFILL MATERIAL TO PREVENT CONTAMINATION OF BACKFILL WITH UNSUITABLE FILL.
18. LEAVE ALL SPACES BROOM CLEAN WITH ALL LEDGES AND CORNERS PROPERLY CLEANED AT THE END OF EACH WORK DAY.
19. PROVIDE PROTECTION TO PREVENT GLASS BREAKAGE AS MAY BE REQUIRED. REPLACE IN KIND ANY GLASS BROKEN BY CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST.
20. PROVIDE HOISTS AND CHUTES AS REQUIRED TO CONVEY REMOVED MATERIAL THROWING, DROPPING, OR PERMITTING THE FREE FALL OF MATERIAL AND DEBRIS FROM HEIGHTS WHICH WOULD CAUSE DAMAGE TO WORK, CAUSE EXCESSIVE NOISE OR NUISANCE, CREATE UNSAFE CONDITIONS, OR CAUSE EXCESSIVE DUST IS EXPRESSLY PROHIBITED.
21. WHERE REQUIRED, ERECT SIGNS, BARRICADES, AND SUCH OTHER FORMS OF WARNING TO PREVENT PERSONNEL FROM BEING PUT AT RISK OF INJURY.
22. DOORS AND HARDWARE: REMOVE CAREFULLY TO AVOID DAMAGE. WHERE AS POSSIBLE, LEAVE HARDWARE ATTACHED TO THE DOOR. WHERE THIS IS NOT PRACTICAL, PLACE ITEMS OF HARDWARE IN A CLOTH BAG ATTACHED TO THE DOOR.
23. PARTITIONS: REMOVE PARTITION FINISH, STUDS, PLATES, AND SILLS, WHERE ONLY A PARTIAL RUN IS REMOVED, CUT BACK FINISH MATERIAL TO THE CENTERLINE OF THE NEXT ADJACENT SUPPORT MEMBER. PREPARE SURFACE REMAINING MATERIAL WITH A CLEAN TERMINAL LINE WITH NO LOOSE MATERIAL ADHERING.
24. MECHANICAL, ELECTRICAL, PLUMBING: CAREFULLY REVIEW PLANS AND DETERMINE LINES TO BE REMOVED, CAPPED, OR TERMINATED TO, OR TO BE REACTIVATED. PROTECT LINES TO REMAIN. PROVIDE FOR MINIMUM SERVICE INTERRUPTION OF LINES TO REMAIN.
25. REMOVE FIXTURES AND EQUIPMENT AS INDICATED. WHERE INDICATED FOR REUSE: CLEAN, STORE AS DIRECTED, PROTECT, AND CLEARLY LABEL FOR REUSE.
26. REMOVE EXISTING FLOOR FINISHES AND PREPARE SUBSTRATE FOR NEW FINISHES. WHERE NOT INDICATED, WORK SHALL BE DEEMED ACCEPTABLE PROVIDED THAT THE SUBSTRATE WILL ACCEPT THE NEW FINISH WITH NO NOTICEABLE ALTERATION HAVING BEEN MADE. PROVIDE LEVELING AGENT OR GAP FILL IF REQUIRED.
27. WHERE CONCRETE TOPPING OR OTHER LEVELING AGENTS ARE REQUIRED FOR A PROPER INSTALLATION OF A FINISH, THE SUBSTRATE SHALL BE CLEANED AND PREPARED AS TO ALLOW PROPER ADHESION OF THE LEVELING AGENT.
28. CONTRACTOR SHALL PROTECT LOW VOLTAGE WIRING TO REMAIN AND CLEARLY LABEL WIRING CONNECTIONS AT EACH END TO ALLOW FOR REUSE IN NEW LAYOUT SUCH THAT OTHERS MAY QUICKLY IDENTIFY WIRING RUNS FOR RECONNECTION.
29. NOTIFY ARCHITECT IMMEDIATELY IF ANY COLUMNS, OTHER STRUCTURAL ELEMENTS, OR UTILITY RISERS ARE DISCOVERED THAT WILL INTERFERE WITH THE CONSTRUCTION PLAN AND ARE NOT ALREADY IDENTIFIED ON PLANS.
30. COORDINATE DUMPSTERS WITH LL REPRESENTATIV. ANY PHYSICAL DAMAGE TO MODERA COMMON AREA IS TENANT'S RESPONSIBILITY TO REPAIR AND/OR REPLACE AT TENANT'S EXPENSE. CONFIRM WORK HOURS WITH RULES & REGULATIONS.

## WALL TYPE LEGEND

NOTE: REFERENCE WALL TYPE DETAILS FOR EXACT WALL CONSTRUCTION

- EXISTING WALL TO REMAIN
- NEW WALL
- NEW BACKLIT SALT TILE WALL
- NEW 1 HOUR FIRE-RATED WALL
- NEW 2 HOUR FIRE-RATED WALL
- EXISTING 1 HOUR FIRE-RATED WALL
- EXISTING 2 HOUR FIRE-RATED WALL
- EXISTING WALL TO BE DEMOLISHED

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CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ Approved By: JD

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

DEMO PLAN

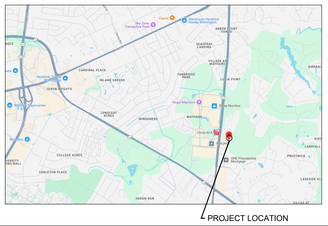
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PLOT DATE: 3/14/2025 3:47 PM PLOTTED BY: KEVIN PAISLEY

# PROXIMITY MAP




SCALE = NTS

# OCCUPANCY CALCULATION

OCCUPANCY LOAD CALCULATION

| AREA DESCRIPTION: | AREA | AREA PER OCCUPANT | TOTAL OCCUPANTS |
|---|---|---|---|
| TREATMENT AREAS | 2,326 | 150 GROSS | 16 |
| STORAGE AREAS | 620 | 300 GROSS | 3 |
| LOCKER ROOM | 659 | 50 GROSS | 14 |
| MERCANTILE AREA | 364 | 60 GROSS | 7 |
| OFFICE | 145 | 150 GROSS | 1 |
| TOTAL | | | 41 |

SEE SHEET LS1-1 FOR EGRESS PLANS

# BUILDING CODES

| | | |
|---|---|---|
| * | BUILDING | 2018 NORTH CAROLINA BUILDING CODE |
| * | MECHANICAL | 2018 NORTH CAROLINA MECHANICAL CODE |
| * | ELECTRICAL | 2023 NORTH CAROLINA ELECTRICAL CODE |
| * | PLUMBING | 2018 NORTH CAROLINA PLUMBING CODE |
| * | ENERGY | 2018 NORTH CAROLINA ENERGY CONSERVATION CODE |
| * | FUEL GAS | 2018 NORTH CAROLINA FUEL & GAS CODE |
| * | FIRE CODE | 2018 NORTH CAROLINA FIRE PREVENTION CODE |
| * | GREEN BUILDING | 2018 NORTH CAROLINA ENERGY CONSERVATION CODE |
| * | LIFE SAFETY | 2018 NORTH CAROLINA FIRE PREVENTION CODE |
| * | ACCESSIBILITY CODE | 2009 NORTH CAROLINA ACCESSIBILITY CODE |

AS AMENDED WITH ALL CITY AMENDMENTS & CODES

# ADA COMPLIANCE NOTES

| ADA COMPLIANT SERVICE AREA: | REQUIREMENT CALCULATION | PROVIDED |
|---|---|---|
| LAVATORY | ADA ACCESSIBLE WITH SCALD PROTECTION | YES |
| DRINKING FOUNTAIN | ADA ACCESSIBLE (HI/ LO) | YES |
| LOCKERS | 5% OF 30 = 2 | 2 |
| CHECK IN DESK | 36" LINEAR AT 34" HEIGHT MAX | YES |
| SHOWER | ROLL-IN ACCESSIBLE | YES |
| BATHTUB | ADA ACCESSIBLE | YES |

ACCESSIBILITY NOTES: PROJECT MUST FULLY COMPLY & MEET ALL ACCESSIBILITY REQUIREMENTS OF THE AMERICAN DISABILITIES ACT, THE LOCAL CODE ACCESSIBILITY CODE & THE 2018 INTERNATIONAL BUILDING CODE (MOST RESTRICTIVE REQUIREMENTS GOVERN).

# PLUMBING REQUIREMENTS

| MIN. NO. OF PLUMBING FIXTURES | REQUIREMENT CALCULATION MALE | REQUIREMENT CALCULATION FEMALE | PROVIDED MALE | PROVIDED FEMALE |
|---|---|---|---|---|
| OCCUPANCY LOAD (PER CPC CH. 4, TABLE 4-1) | 20 | 21 | | |
| WATER CLOSETS: | 1 TO 25 = 1 | 1 TO 40 =1 | 2 | 2 |
| URINALS: | NOT REQUIRED | | 1 | |
| LAVATORIES: | 1 TO 40 = 1 | 1 TO 40 = 1 | 1 | 2 |
| DRINKING FOUNTAINS: | 1 TO 100 = 1 | | 1 HI/LO | |
| SERVICE SINK: | 1 | | 1 | |

# PROJECT DESCRIPTION

WELLNESS SPA - TENANT IMPROVEMENT OF AN EXISTING TENANT SPACE. WORK TO INCLUDE NON-BEARING INTERIOR PARTITIONS, ACCESSIBLE RESTROOMS, MILLWORK, PLUMBING, MECHANICAL, AND ELECTRICAL DISTRBUTION. NEW FINISHES THROUGHOUT.

# CODE MATRIX

| | | | | |
|---|---|---|---|---|
| ZONING CLASSIFICATION: | COMMUNITY BUSINESS DISTRICT (CB) | | | |
| PERMITTED USES: | SPA & HEALTH SERVICES; RETAIL SALES | | | |
| SEISMIC ZONE: | ZONE 1 | | | |
| OCCUPANCY CLASSIFICATION | B | | | |
| BUILDING HEIGHT: | ALLOWABLE: 40'-0" | | PROPOSED: NO CHANGE | |
| BUILDING HEIGHT INCREASES: | NO CHANGE | | | |
| BUILDING AREA: | ALLOWABLE: 6,011 | | PROPOSED: NO CHANGE | |
| BUILDING AREA INCREASES: | NO CHANGE | | | |
| TENANT AREA (AREA OF WORK) | 6,011 SF | | | |
| CONSTRUCTION TYPE | II-B | | | |
| SEPARATED USES: | NONE | | | |

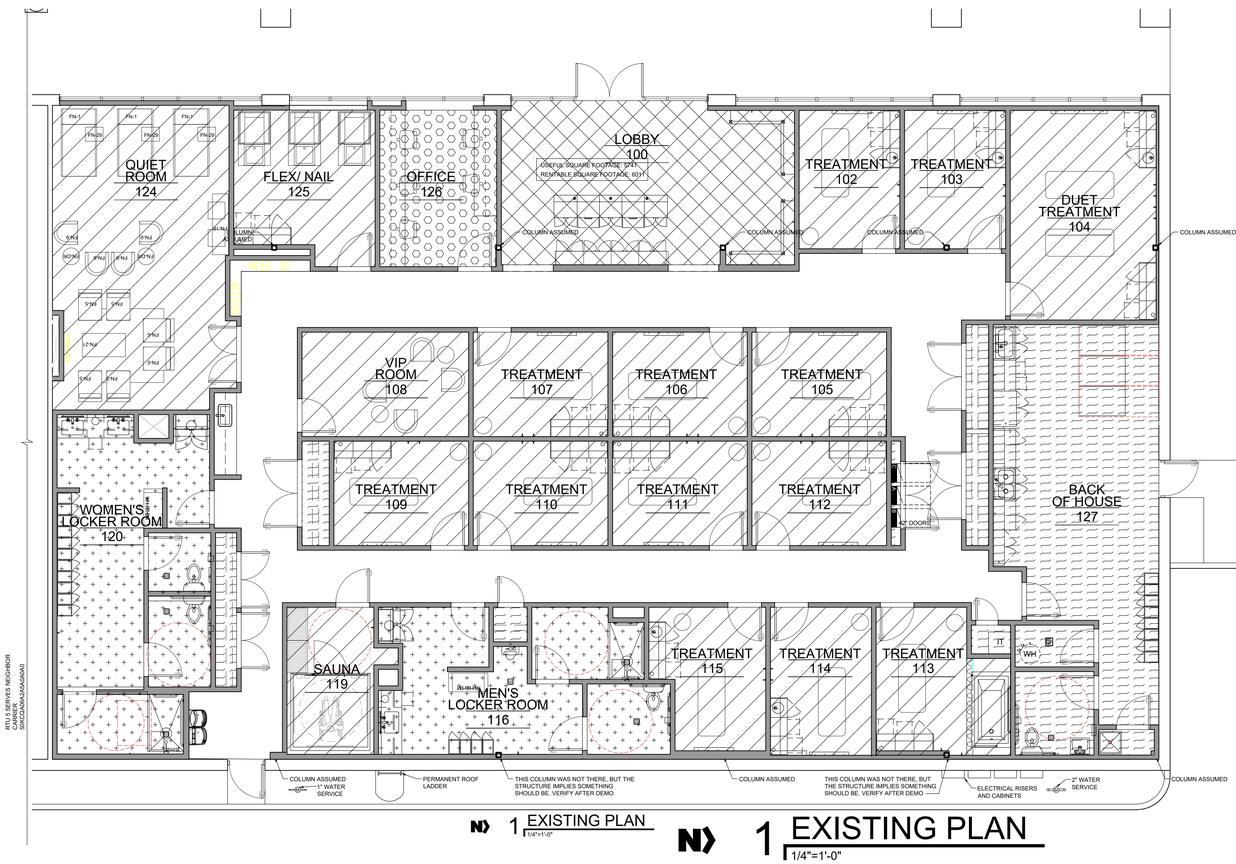
BUILDING FIRE RESISTANCE RATING REQUIREMENTS

| TABLE 601 | REQUIRED (HR) | PROVIDED (HR) | NOTES: |
|---|---|---|---|
| STRUCTURAL FRAME | 0 | 0 (EXIST) | |
| BEARING WALLS, EXTERIOR | 2 | 2 (EXIST) | |
| BEARING WALLS, INTERIOR | 0 | 0 (EXIST) | |
| NON-BEARING WALLS, EXTERIOR | 0 | 0 (EXIST) | |
| NON-BEARING WALLS, INTERIOR | 0 | 0 (EXIST) | |
| FLOOR CONSTRUCTION | 0 | 0 (EXIST) | |
| ROOF CONSTRUCTION | 0 | 0 (EXIST) | |

INTERIOR FINISHES: ALL INTERIOR FINISHES/MATERIALS SHALL COMPLY WITH TABLE 803.13 FOR FLAME SPREAD RATING AND SMOKE-DEVELOPED INDEX

ADDITIONAL NOTES: INTERIOR FINISHES OF EXIT ENCLOSURES AND CORRIDORS WITHIN THE TENANT BUILD-OUT SHALL BE OF CLASS B MATERIALS AND FINISHES WITHIN ROOMS SHALL BE PERMITTED TO BE OF CLASS C MATERIALS

# OCCUPANCY DIAGRAM




1 EXISTING PLAN 1/4"=1'-0"

## LEGEND

- TREATMENT ROOMS, 150 GROSS (BUSINESS)
- LOBBY & SHOP, 60 GROSS (MERCANTILE)
- LOCKER ROOMS, 50 GROSS (LOCKER ROOMS)
- OFFICE ROOMS, 150 GROSS (BUSINESS)
- STORAGE AREAS, 300 GROSS (ACCESSORY)

CONTRACTOR TO PROVIDE A DURABLE OCCUPANT LOAD SIGN POSTED IN A PROMINENT LOCATION NEAR THE MAIN EXIT, AS REQUIRED PER NFPA 101. VERIFY LOCATION WITH FIRE CODE INSPECTOR

1 EXISTING PLAN 1/4"=1'-0"

SCALE = NTS

# GENERAL REQUIREMENTS

## LANDLORD'S INSTRUCTIONS

**PURPOSE:**

THE FOLLOWING IS A LIST OF SOME OF THE LANDLORD'S INSTRUCTIONS TO GENERAL CONTRACTORS AND HIS/HER SUBCONTRACTORS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN LANDLORD'S COMPLETE REQUIREMENTS AND MAKE SURE THAT THE LANDLORD'S POLICIES ARE MET.

**ROOF PENETRATIONS:**

INSTRUCT ALL SUB-CONTRACTORS THAT ANYTHING THAT NEEDS TO BE ATTACHED ABOVE THE CEILING SHOULD BE ATTACHED TO THE ROOF STRUCTURE, NOT THE DECKING. ALL ROOF PENETRATIONS SHALL BE DONE BY LANDLORDS ROOFING CONTRACTOR TO MAINTAIN WARRANTY.

**STRUCTURAL ELEMENTS:**

DO NOT MAKE ANY CUTS TO ANY OF THE BUILDING ELEMENTS WITHOUT VERIFYING WHETHER OR NOT IT IS A STRUCTURAL ELEMENT. THIS INCLUDES ROOF BEAMS, ROOF DECK, MASONRY WALLS AND THE CONCRETE SLAB.

IF YOU HAVE ANY QUESTIONS REGARDING THE ABOVE INFORMATION, PLEASE CONTACT THE LANDLORD. LANDLORD CONTACT INFORMATION IS FOUND ON THE COVER SHEET.

**A/C STARTUP:**

CONTACT THE LANDLORD FOR ANY REQUIREMENTS ON THE START-UP OF LANDLORD PROVIDED HVAC UNITS.

**FIRE SYSTEM MONITORING: (IF REQUIRED)**

VERIFY IF THE LANDLORD IS MONITORING THE FLOW AND TAMPER SWITCHES FOR THE SHELL BUILDING. IF THE SYSTEM IS OPERATIONAL, YOU MUST CONTACT THE LANDLORD PRIOR TO TAKING DOWN THE SYSTEM.

ANY FINES CHARGED BY THE FIRE DEPARTMENT FOR FALSE ALARMS WILL BE CHARGED BACK TO THE TENANT'S GENERAL CONTRACTOR.

## ARCHITECT'S INSTRUCTIONS

**SUBMITTALS:**

IF ALTERNATE EQUIPMENT IS PROPOSED DUE TO LEAD TIME, THE ARCHITECT OR ENGINEER MAY REQUEST PAYMENT FROM G.C. FOR REVIEW OF THE SUBMITTAL. GENERAL CONTRACTOR MUST VERIFY LONG LEAD ITEMS AT START OF PROJECT TO AVOID DELAYS & ALTERNATES.

**AS BUILTS:**

THE GENERAL CONTRACTOR SHALL RED LINE ALL FIELD CHANGES ON A SET OF PRINTS TO REMAIN ON SITE THROUGHOUT THE CONSTRUCTION OF THE PROJECT. IT IS THE GC'S RESPONSIBILITY TO RECORD ALL FIELD CHANGES AND SUBMIT THE 'AS BUILTS' TO THE CLIENT AT TURNOVER, AND TO THE AOR AND MUNICIPALITY IF/AS REQUIRED.

## G.C. COMPLIANCE

OWNER'S GENERAL CONTRACTOR SHALL VISIT THE PREMISES AND VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION AND SHALL REPORT ALL DISCREPANCIES TO TENANT'S ARCHITECT. TENANT'S GENERAL CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS REGARDING CONSTRUCTION PROCEDURES, INSURANCE, ETC., AS SET FORTH BY THE LANDLORD. GC TO VERIFY THE EXACT LOCATION OF ALL EXISTING LANDLORD FEATURES I.E. METAL BRACE FRAME, STOREFRONT OPENINGS, CORRIDOR ACCESS DOOR, DEMISING WALLS, UTILITY P.O.C., ETC.

## FIRE SPRINKLERS

1. IF AN AUTOMATIC FIRE SPRINKLER SYSTEM EXISTS WITHIN THE SPACE. THE GENERAL CONTRACTOR SHALL EMPLOY THE SERVICES OF THE LANDLORD'S, OR ANOTHER LICENSED FIRE SPRINKLER CONTRACTOR TO DESIGN AND INSTALL THE NEW SYSTEM TO CONFORM WITH THE NEW ROOM AND CEILING HEIGHTS AS SHOWN IN THESE DRAWINGS. THE SPRINKLER CONTRACTOR SHALL DESIGN AND PREPARE SHOP DRAWINGS FOR THE PROPOSED SYSTEM MODIFICATIONS & SUBMIT THESE DRAWINGS TO THE BLDG./FIRE DEPT. & THE ARCHITECT TO GAIN APPROVALS PRIOR TO COMMENCING ANY WORK. PUBLIC AREA HEADS TO BE CONCEALED TYPE W/ BLACK COVERS AT DARK CEILINGS, WHITE AT LIGHT CEILINGS & CHROME IN TOILETS. HEADS IN NON-PUBLIC AREAS ARE TO BE SEMI-RECESSED. INSTALLATION IS TO INCLUDE ALL SITE WORK.
2. COMPLETE PLANS AND SPECIFICATIONS FOR FIRE-EXTINGUISHING SYSTEMS, INCLUDING AUTOMATIC SPRINKLERS AND WET AND DRY STANDPIPES; HALON SYSTEMS AND OTHER SPECIAL TYPES OF AUTOMATIC FIRE-EXTINGUISHING SYSTEMS; BASEMENT PIPE INLETS; AND OTHER FIRE PROTECTION SYSTEMS AND APPURTENANCES THERETO SHALL BE SUBMITTED TO FIRE AND LIFE SAFETY FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
3. FIRE EXTINGUISHING SYSTEM SHALL BE IN ACCORDANCE WITH CURRENT APPLICABLE CODE.

## FIRE ALARM (WHERE REQUIRED)

1. EXISTING FIRE PANEL TO REMAIN IF PRESENT. FIRE CONTRACTOR TO TIE INTO BUILDING SYSTEM OR PROVIDE NEW SYSTEM AS REQ'D BY LOCAL JURISDICTION. F.C. TO PROVIDE DRAWINGS AND SPECIFICATIONS FOR LOCAL JURISDICTION APPROVAL.
2. THE GENERAL CONTRACTOR SHALL EMPLOY THE SERVICES OF THE LANDLORD'S, OR ANOTHER LICENSED FIRE ALARM CONTRACTOR TO DESIGN AND INSTALL NEW SYSTEM W/ ALL REQUIRED DEVICES.

## EXTERIOR SIGNAGE

OWNER'S SIGNAGE CONTRACTOR SHALL PREPARE SIGNAGE SHOP DRAWINGS AND SUBMIT TO BUILDING DEPT. & LANDLORD FOR APPROVAL. ALL SIGNAGE IS UNDER SEPARATE PERMIT.

## SPRINKLER NOTES

1. EXISTING SPRINKLER SYSTEM TO REMAIN.
2. SPRINKLER CONTRACTOR TO ADJUST AND/OR ADD HEADS AS REQ'D FOR NEW LAYOUT.
3. S.C. TO PROVIDE DRAWINGS AND CALCS FOR LOCAL JURISDICTION APPROVAL.

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ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

PROJECT INFO & CODE ANALYSIS

G1-01

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# GENERAL NOTES

## GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY TYPE OF SOILS. IF CORROSIVE SOILS ARE ENCOUNTERED, TAKE NECESSARY PRECAUTIONS FOR ALL UNDER GROUND WORK.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON DRAWINGS FOR CONFLICTS PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. DO NOT SCALE DRAWINGS.
3. BIDDERS ARE INSTRUCTED TO CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS & SITE.
4. NO STRUCTURE OF ANY KIND TO BE CONSTRUCTED ON, OVER OR PLACED WITHIN THE PUBLIC UTILITY EASEMENTS EXCEPT WOOD, WIRE OR REMOVABLE SECTION TYPE FENCING AND/OR PAVING.
5. CONTRACTOR TO COORDINATE STAGING AREAS AS REQUIRED WITH LANDLORD & OWNER.
6. ANY DAMAGE BY G.C. OR SUBCONTRACTOR TO EXISTING ASPHALT PAVEMENT AND/OR EXISTING LANDSCAPING OUTSIDE OF CONSTRUCTION LIMIT LINE SHALL BE REPAIRED AT NO COST TO OWNER.
7. SIDEWALK ELEVATIONS TO BE COORDINATED WITH SITE AS-BUILT CONDITIONS. ARCHITECT TO BE NOTIFIED OF ANY DISCREPANCIES.
8. G.C. TO COORDINATE LOCATION & PLACEMENT OF GREASE REMOVAL SYSTEM WITH PLUMBING CONTRACTOR. FIELD VERIFY ANY (E) SITE CONDITIONS THAT MAY IMPEDE INSTALLATION AND/OR OPERATION OF SUCH.
9. APPROVED NUMBERS OR ADDRESSES SHALL BE MAINTAINED & AS CURRENTLY PLACED ON BUILDING.
10. NO MATERIALS SHALL BE STORED ON PUBLIC PROPERTY UNLESS AN ENCROACHMENT PERMIT IS FIRST OBTAINED FROM THE PUBLIC WORKS DEPARTMENT.
11. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD AT FRAMED WALLS & SOFFITS, TYPICAL UNLESS OTHERWISE NOTED. AT MILLWORK LOW WALLS, DIMENSIONS ARE TO FACE OF FINISHED WALL, TYPICAL.
12. CONTRACTOR SHALL PROVIDE CONSTRUCTION FENCE FOR PEDESTRIAN PROTECTION ACCORDING TO LOCAL REGULATIONS & BUILDING CODE.
13. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE SECURITY & SAFETY OF THE SITE WHILE THE JOB IS IN PROGRESS & UNTIL THE JOB IS COMPLETE.
15. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS & WORKERS AT ALL TIMES
16. ALL DEBRIS SHALL BE REMOVED FROM THE PREMISES DAILY & WORK AREAS SHALL BE LEFT IN A CLEAN (BROOM) CONDITION AT ALL TIMES.
17. CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS TO THE OWNER.
18. CONTRACTOR SHALL COMPLY WITH ALL STATE & LOCAL RULES & REGULATIONS CONCERNING LICENSING WHICH THE APPLICABLE GOVERNING AUTHORITY MAY HAVE ADOPTED.
19. ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.
20. GENERAL CONTRACTOR SHALL PLACE ORDERS FOR ALL FINISHES, ALL MATERIALS, EQUIPMENT, ETC., AT THE START OF THE PROJECT. SUBSTITUTIONS ARE NOT ACCEPTED FOR ANY ITEMS, UNLESS NOTED OTHERWISE, OWNER & ARCHITECT MUST BE INFORMED OF LEAD TIME PROBLEMS WITHIN THE FIRST TWO WEEKS OF THE PROJECT.
21. PROVIDE VENTILATION FOR KITCHEN & FOOD PREPARATION AREAS PER MECHANICAL DRAWINGS.
22. SIGNS ARE REQUIRED FOR ALL MP&E ROOMS & SPRINKLER CONTROL VALVE ROOMS.
23. PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, THE APPLICANT SHALL HAVE EVIDENCE OF CURRENT WORKMAN'S COMPENSATION INSURANCE COVERAGE ON FILE WITH THE DEPARTMENT IN COMPLIANCE WITH THE LOCAL LABOR CODE.
24. AFTER OBTAINING BUILDING PERMIT AND BEFORE COMMENCING WITH THE WORK, THE GENERAL CONTRACTOR SHALL SHOW EVIDENCE OF ALL THE INSURANCE REQUIREMENTS.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND OBTAIN ALL PERMITS AND LICENSES AND PAY REQUIRED FEES.
26. CONTRACTOR SHALL BE FAMILIAR WITH ALL LANDLORD REQUIREMENTS AND SHALL BE RESPONSIBLE FOR COMPLIANCE WITH SAME. CONTRACTOR SHALL INVESTIGATE LOCAL CODES AND PROCEDURES AND SHALL COMPLY WITH ALL REQUIREMENTS.
27. A COPY OF LANDLORD'S FINAL APPROVED PLANS MUST BE ON SITE DURING CONSTRUCTION.
28. REMOVE ALL ABANDONED IMPROVEMENTS, INCLUDING ELECTRICAL AND MECHANICAL, IF ANY.
29. INSPECT SITE. VERIFY FIELD DIMENSIONS BEFORE COMMENCING CONSTRUCTION. NOTIFY TENANT AND LANDLORD IMMEDIATELY IF THERE ARE ANY SIGNIFICANT DISCREPANCIES.
30. WHERE FACTORY FINISHED OR FACTORY PRIMED ITEMS OCCUR, SUCH AS GRILLES, DIFFUSERS, METAL TRIM AND ACCESSORIES, ETC. THEY SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE AND AS DIRECTED BY THE OWNER.
31. CONTRACTOR SHALL, IN THE WORK OF ALL TRADES, PERFORM ANY AND ALL CUTTING, PATCHING, REPAIRING, RESTORING AND THE LIKE NECESSARY TO COMPLETE THE WORK AND TO RESTORE ANY DAMAGED OR AFFECTED SURFACES RESULTING FROM THE WORK OF THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER.
32. THERE SHALL BE NO EXPOSED PIPE, CONDUITS, ETC. IN PUBLIC AREAS, UNO. ALL SUCH LINES SHALL BE CONCEALED OR FURRED AND FINISHED.
33. GENERAL CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHER CONTRACTORS. DISCREPANCIES IF ANY, SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
34. SHOULD THE DRAWINGS DISAGREE WITH THEMSELVES OR WITH THE SPECIFICATIONS OR SHOULD THE SPECIFICATIONS DISAGREE WITH THEMSELVES, THE BETTER QUALITY AND/OR GREATER QUANTITY OF WORK OR MATERIAL SHALL BE ESTIMATED UPON AND UNLESS OTHERWISE ORDERED IN WRITING BY THE ARCHITECT SHALL BE FURNISHED AND INSTALLED.
35. NO SUBSTITUTIONS ARE PERMITTED UNLESS PRIOR APPROVAL BY THE OWNER.
36. IF ANY DISCREPANCIES APPEAR IN CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF SUCH DISCREPANCIES PRIOR TO BID.
37. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMELY ARRIVAL OF ALL SPECIFIED FINISH MATERIALS EQUIPMENT, LIGHT FIXTURES AND ANY OTHER SUCH MATERIAL (S) TO BE UTILIZED ON THE PROJECT. THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING WITHIN 10 DAYS OF THE DATE OF CONTRACT OF THOSE SPECIFIED ITEMS THAT MAY NOT BE READILY AVAILABLE. IF NOTIFICATION IS NOT RECEIVED BY THE OWNER THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR THE PROPER ORDERING AND FOLLOW-UP OF SPECIFIED ITEMS AND WILL PURSUE WHATEVER MEANS NECESSARY AT NO ADDITIONAL COST TO THE OWNER. INSURE AVAILABILITY OF ALL SPECIFIED ITEMS SO AS NOT TO CREATE A HARDSHIP ON THE OWNER AND NOT DELAY PROGRESS OF THE WORK. NO EXTENSION OF TIME TO THE CONTRACT WILL BE ALLOWED.
38. MECHANICAL CONTRACTORS SHALL VERIFY EXACT DIMENSIONS WITH EQUIPMENT MANUFACTUERRS. MECHANICAL CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATIONS OF DUCT OPENINGS BEFORE INSTALLATION AND VERIFY DISCREPANCIES, IF ANY.
39. ALL EXTERIOR WALL OPENINGS, FLASHING, COUNTER FLASHING, COPING AND EXPANSION JOINTS SHALL BE WEATHERPROOF.
40. CAULKING AND SEALANTS: ALL OPEN JOINTS PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, OR WEATHER STRIPPED TO LIMIT AIR AND WATER LEAKAGE.
41. USE ACOUSTICAL SEALANT AROUND ALL PIPES, DUCTS CONDUITS, OUTLETS, SWITCHES, ETC. ON BOTH SIDES OF CROSSING/PENETRATING WALLS WITH THERMAL AND ACOUSTIC INSULATION.
42. ALL NOISE BARRIER BATTS (SOUND INSULATION) SHALL BE NON-COMBUSTIBLE.
43. EACH CONTRACTOR SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ORDERLY CONDITION ON A DAILY BASIS AND UPON CONCLUSION OF HIS WORK. ALL WASTE, RUBBISH AND EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE PROMPTLY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TRASH GENERATED BY OWNERS CONTRACTORS FOR THE DURATION OF THE PROJECT.
44. SAFETY: ALL CONDUIT, WORK EQUIPMENT AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST SAFETY RULES AND REGULATIONS OF ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION OVER THE WORK.
45. CONSULT PROPERTY UTILITY PLANS BEFORE SAW CUTTING CONCRETE SLAB, IF ANY.
46. THE ARCHITECT WILL NEITHER HAVE CONTROL OVER OR CHARGE OF, NOR BE RESPONSIBLE FOR, THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR THE SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. SINCE THESE ARE SOLELY THE CONTRACTOR'S RIGHTS AND RESPONSIBILITIES.

## FIRE DEPARTMENT NOTES

1. CONTRACTOR TO PROVIDE A SUFFICIENT NUMBER OF 2A10BC RATED FIRE EXTINGUISHERS DURING CONSTRUCTION SO THAT ALL PORTIONS OF THE BUILDING ARE WITHIN 75 FT. TRAVEL DISTANCE OF SAID EXTINGUISHER & SO THAT AT LEAST ONE 2A10BC RATED FIRE EXTINGUISHER IS PROVIDED FOR EACH 3,000 SQ. FT. OF FLOOR SPACE OR PORTION THEREOF.
2. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 40-B FOR KITCHEN. LOCATE EXTINGUISHERS PER LOCAL FIRE DEPARTMENT INSPECTOR.
3. PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT FIELD INSPECTOR DURING CONSTRUCTION & FOR COMPLETED PROJECT.
4. ALL EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL.
5. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT SPECIAL KNOWLEDGE OR EFFORT (NO DEAD BOLTS, NO SLIDING BOLTS, ETC.).
6. AN OCCUPANT LOAD SIGN SHALL BE POSTED IN EACH ASSEMBLY ROOM HAVING AN OCCUPANT CONTENT OF 50 OR MORE. SIGN IS TO BE POSTED NEAR ENTRANCE. COORDINATE LOCATION OF SUCH SIGN WITH FIRE MARSHAL. SIGN TO BE PROVIDED & INSTALLED BY OWNER VENDOR.
7. MAINTAIN MIN. 44" AISLES TO EXIT OR PUBLIC WAY.
8. PROVIDE EXIT SIGNS ABOVE EXITS WITH MIN. 3/4"x6" LETTERS LIGHTED ON CONTRASTING BACKGROUND.
9. EXIT SIGNS MUST BE INTERNALLY ILLUMINATED.
10. PROVIDE TWO (2) SEPARATE POWER SUPPLIES FOR EXIT SIGNS CONFORMING TO CODE SECTION.
11. PROVIDE EMERGENCY EXIT LIGHTING PROVIDING A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL.
12. ADDITIONAL EXIT SIGNS WILL BE PROVIDED AS/IF DIRECTED BY THE CITY INSPECTOR.
13. SEE "ROOM FINISH SCHEDULE" FOR SMOKE DENSITY RATING & FLAME SPREAD RATING OF MATERIALS USED.
14. INTERIOR WALL & CEILING FINISHES FOR ASSEMBLY AREAS SHALL NOT EXCEED AN END POINT FLAME SPREAD RATING OF 20.
15. ANY DECORATIONS USED SHALL BE NON-COMBUSTIBLE OR FLAME PROOFED IN AN APPROVED MANNER.
16. DRAPES & OTHER DECORATIVE MATERIALS SHALL BE FLAME RETARDANT. CERTIFICATION THEREOF SHALL BE PROVIDED. EXITS, EXIT SIGNS, FIRE ALARM STATIONS, HOSE CABINETS & EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED BY DECORATIVE MATERIALS.
17. FINISHES SHALL NOT EXCEED CLASS A, B OR C AS INDICATED IN THE BUILDING CODE.
18. PROVIDE OUTSIDE GAS SHUT - OFF VALVE CONSPICUOUSLY MARKED.
19. UNLESS ALREADY EXISTING, AN APPROVED SET OF NUMERALS, MINIMUM 4" HIGH WITH A STROKE WIDTH OF NOT LESS THAN 1/2 INCH, SHALL BE PLACED ON THE BUILDING. THE NUMBERING SHALL BE PLACED IN SUCH A POSITION AS TO BE PLAINLY VISIBLE & LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. SAID NUMERALS SHALL CONTRAST W/ THEIR BACKGROUND. IF THE ADDRESS THAT IS POSTED NEAR THE INTERSECTION OF THE DRIVEWAY & THE PUBLIC STREET OR ROAD FRONTING THE PROPERTY IS NOT VISIBLE, ADDITIONAL ADDRESSES POSTED NEAR THE INTERSECTION OF THE DRIVEWAY & THE PUBLIC STREET ARE REQUIRED. (VERIFY REQUIREMENTS.)
20. PROVIDE A KNOX BOX FOR FIRE DEPT. ACCESS & KEY ACCESS, LOCATION AS DETERMINED BY FIRE MARSHAL.
21. EXIT SIGNAGE SHALL BE PROVIDED & MAINTAINED FOR CORRIDORS & AISLE WAYS LEADING TO EXITS IN ACCORDANCE WITH STATE CODE. SIGNAGE SHALL STATE: "OBSTRUCTIONS, INCLUDING STORAGE, SHALL NOT BE PLACED IN THE REQUIRED WIDTH OF AN EXIT OR EXIT PASSAGEWAY."
22. GENERAL CONTRACTOR SHALL SECURE PERMITS REQUIRED BY THE FIRE DEPARTMENT FROM THE FIRE DEPARTMENT PRIOR TO OCCUPYING THIS BUILDING.
23. FIRE DEPARTMENT FINAL INSPECTION REQUIRED. G.C. TO VERIFY INSPECTION SCHEDULING REQUIREMENTS AT LEAST 14 DAYS PRIOR TO COMPLETION OF WORK.
24. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE & COMBUSTIBLE LIQUIDS, FLAMMABLE & COMPRESSED GASES & OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH STATE BUILDING CODE REGULATIONS.
25. ANY TYPE I HOOD INSTALLATION & SHAFT CONSTRUCTION MUST COMPLY WITH THE STATE & MECH CODE.
26. WHEN ALLOWED BY FIRE MARSHAL AND/OR BUILDING INSPECTOR, FIRE BLOCKS CAN BE SUBSTITUTED WITH APPROVED FIRE SPRINKLER SYSTEM.
27. IN ADDITION TO THE SPRINKLER MONITORING SYSTEM, A FIRE SYSTEM PER NFPA #13 SPECIFICATIONS MUST BE INSTALLED. PLANS FOR THE FIRE ALARM MUST BE SUBMITTED TO THE BUILDING DEPARTMENT FOR FIRE DEPARTMENT REVIEW PRIOR TO INSTALLATION. THE KITCHEN HOOD FIRE PROTECTION SYSTEM WILL CAUSE INITIATION OF AN ALARM SIGNAL.
28. ALL EXIT DOORS & INTERVENING DOORS ON THE EXIT PATH, IF PROVIDED WITH A LOCK OR LATCH, MUST BE PROVIDED WITH PANIC HARDWARE.
29. PLANS FOR THE KITCHEN HOOD FIRE PROTECTION SYSTEM MUST BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW BY THE FIRE DEPARTMENT PRIOR TO INSTALLATION.
30. THE FIRE SPRINKLER SYSTEM DESIGN CRITERIA IS AS SET FORTH BY THE FIRE MARSHAL.
31. PREMISES IDENTIFICATION TO BE LEGIBLE FROM STREET OR DRIVE & MUST BE ON ALL PLANS.
32. IT IS THE DEVELOPERS RESPONSIBILITY TO DETERMINE ULTIMATE COMPLIANCE WITH THE FAIR HOUSING AMENDMENTS ACT & AMERICANS WITH DISABILITIES ACT & INCORPORATE SAME INTO THEIR BUILDING PLANS.
33. BACK FLOW PREVENTION WILL BE REQUIRED ON VERTICAL RISER ON CLASS I & II FIRE SPRINKLER SYSTEM PER *LOCAL JURISDICTION* CODE.
34. PROVIDE ALL WEATHER ACCESS ROAD (MIN 20') TO ALL BUILDINGS & HYDRANTS FROM PUBLIC WAY DURING CONSTRUCTION.
35. NUMBER OF REQUIRED FIRE HYDRANTS EX. DEVELOPER SHALL HAVE THE REQUIRED HYDRANTS INSTALLED & OPERABLE PRIOR TO THE FOOTING INSPECTION. DEVELOPER TO PROVIDE WAIVER OF FIRE DEPARTMENT RESPONSIBILITY OR COPY OF CURRENT CITY APPROVED CIVIL WATER PLANS TO FIRE SPRINKLER CONTRACTOR FOR LOCATING NEW AND/OR EXISTING HYDRANT WATER MAIN SUPPLY DATA. SPACED MAX O/C 500' AT 1,500 GPM.
36. EXIT & EMERGENCY LIGHTING SHALL COMPLY WITH THE CITY ORDINANCE & ADOPTED CODES LISTED ON THE TITLE SHEET.
37. FIRELINE, SPRINKLER & STANDPIPE SYSTEM TO BE FLUSHED & PRESSURE TESTED PER NFPA STANDARDS & *LOCAL JURISDICTION* CODES.
38. FDC SIAMESE CONNECTIONS FOR SPRINKLERS AND/OR STANDPIPES WILL BE LOCATED PER ORDINANCE OR AT AN APPROVED LOCATION MIN. SIZE 2 1/2" X 2 1/2" X 4" (NHST) BUILDING MOUTED.
39. SPRINKLER SYSTEM SHALL BE INSTALLED TO COMPLY WITH MINIMUM NFPA CRITERIA & CITY ORDINANCE. SYSTEMS WITH 20 HEADS OR MORE SHALL HAVE OFF-SITE MONITORING. AFTER BUILDING PLAN REVIEW, INSTALLING CONTRACTOR SHALL SUBMIT (3) COMPLETE SETS OF DRAWINGS & HYDRAULIC CALCULATIONS.
40. REVIEWED BY MINIMUM NICET III DESIGN TECHNICIAN. NFPA COMMERCIAL SYSTEM / DESIGN CRITERIA : ORD. GR. II - 0.20/1500 (1996 EDITION) - PE STAMP REQUIRED
41. CONSTRUCTION WITHIN *LOCAL JURISDICTION* SHALL COMPLY WITH THE *STATE* FIRE CODE STANDARDS, AS AMENDED BY THE COUNTY ORDINANCE WHERE APPLICABLE.
42. THE APPLICANT IS RESPONSIBLE TO IDENTIFY & COORDINATE DEFERRED SUBMITTALS.
43. THE FIRE SPRINKLER RISER SHALL BE LOCATED INSIDE BUILDING WITH DIRECT EXTERIOR ACCESS. ALL OCCUPANCIES ARE REQUIRED TO PROVIDE EXTERIOR ACCESS TO A FIRE RISER ROOM DESIGNED FOR THE FIRE SYSTEMS ONLY.
44. FIRE DEPARTMENT INLET CONNECTIONS (FDC) SHALL BE LOCATED ON THE WALL OF THE ADDRESS SIDE OR NATURAL APPROACH OF THE BUILDING IT SERVES & SHALL IDENTIFY THE BUILDING(S) SERVED WITH PERMANENT SIGNAGE.
45. ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS & WATER-FLOW SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRICALLY MONITORED WHERE THE NUMBER OF SPRINKLER HEADS EXCEEDS 19.
46. IN ADDITION TO THE EXTERIOR BELL OR HORN, AN APPROVED AUDIBLE/VISUAL FIRE SPRINKLER FLOW ALARM SHALL BE PROVIDED IN THE INTERIOR OF ALL BUILDINGS IN A NORMALLY OCCUPIED LOCATION. THE A/V DEVICE SHALL BE A MINIMUM OF 75 CD LUMENS & 15 DB ABOVE THE AMBIENT SOUND LEVEL.
47. A FIRE HYDRANT SHALL BE LOCATED WITHIN 100' OF THE FIRE DEPARTMENT CONNECTION (FDC). THE ROUTE IS TO BE MEASURED AS THE FIRE HOSE WOULD BE LAID OUT & IS NOT MEASURED IN A CIRCLE AROUND THE FIRE HYDRANT, & DOES NOT GO THROUGH WATER RETENTION BASINS, OVER WALLS OR SIMILAR OBSTRUCTIONS.
48. THE MINIMUM NUMBER OF FIRE HYDRANTS SHALL NOT BE LESS THAN REQUIREDD. THE MINIMUM REQUIRED FIRE FLOW IS 1500 (GPM) AT 20 (PSI) RESIDUAL PRESSURE. WHEN ANY PORTION OF THE FACILITY OR BUILDING IS IN EXCESS OF 150' OF AN APPROVED WATER SUPPLY ON A PUBLIC STREET, AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE FACILITY OR BUILDING. ON-SITE FIRE HYDRANTS & MAINS CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW SHALL BE PROVIDED. FIRE HYDRANTS SHALL BE LOCATED ALONG THE ROUTE OF THE FIRE APPARATUS ACCESS ROADWAY. FIRE HYDRANTS SUBJECTED TO VEHICULAR DAMAGE SHALL BE PROTECTED WITH GUARD POSTS.
49. PLANS & SPECIFICATIONS FOR FIRE SPRINKLER SYSTEMS EXCEEDING 19 HEADS SUBMITTED FOR REVIEW SHALL BE SEALED BY A QUALIFIED *LOCAL JURISDICTION* REGISTRANT IN FIRE SPRINKLER DESIGN. THE INSTALLING CONTRACTOR'S NAME, ADDRESS & PHONE NUMBER ARE TO BE INCLUDED ON THE DRAWINGS & CALCULATIONS SUBMITTED FOR REVIEW & APPROVAL. AS-BUILT DRAWINGS WILL BE REQUIRED WHERE FIELD CHANGES ARE MADE TO THE DESIGNED DRAWINGS.
50. FIRE SPRINKLERS SHALL BE INSTALLED IN ALL CONCEALED SPACES ENCLOSED WHOLLY OR PARTLY BY EXPOSED COMBUSTIBLE CONSTRUCTION.
51. A FIRE ACCESS ROAD SHALL BE PROVIDED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE 1ST STORY IS LOCATED MORE THAN 150' FROM FIRE APPARATUS ACCESS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING. THE ROUTE IS TO BE MEASURED AROUND THE BUILDING AS THE FIRE HOSE WOULD BE LAID OUT & IS NOT MEASURED THROUGH INTERIOR OR COVERED WALKWAYS OR WATER RETENTION BASINS. THE ROUTE OF THE FIRE APPARATUS ACCESS ROAD SHALL BE APPROVED BY THE FIRE DEPARTMENT.
52. APPARATUS ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 20 FEET. A MIN. VERTICAL CLEARANCE OF 15 FEET 0 INCHES SHALL BE PROVIDED FOR THE APPARATUS ACCESS ROADS. CONFIRM FIRE APPARATUS TURNING RADIUS 35 FEET INSIDE & 55 FEET OUTSIDE.
53. FIRE LANES SHALL BE MARKED BY SIGNS PER TOG DETAIL #63, AND/OR CURB PAINTED RED & LABELED "FIRE LANE NO PARKING", PLACED NOT GREATER THAN 75' APART AT THE BEGINNING & END OF THE DESIGNATED FIRE LANE.
54. DEAD-END FIRE APPARATUS ACCESS ROADS IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED MEANS FOR TURNING THE APPARATUS AROUND.
55. AN APPROVED KEY BOX IS REQUIRED ON ALL COMMERCIAL STRUCTURES THAT CONTAIN OFF SITE MONITORED FIRE SPRINKLERS, A FIRE ALARM SYSTEM OR WHEN ACCESS IS DIFFICULT & WHERE IMMEDIATE ACCESS IS REQUIRED FOR LIFE SAVING OR FIREFIGHTING.
56. PLANS & SPECIFICATIONS FOR FIRE ALARM SYSTEMS, AUTOMATIC FIRE-EXTINGUISHING SYSTEMS, STANDPIPES & THEIR APPURTENANCES SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW & APPROVAL PRIOR TO INSTALLATION.

## GENERAL FIRE ALARM SYSTEM NOTES

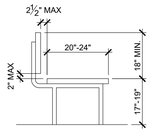
1. ADDITIONAL DEVICES AND RELOCATION OF EXISTING DEVICES FOR THE FIRE ALARM SYSTEM DO NOT REQUIRE SHOP DRAWINGS FOR CITY REVIEW, BUT ARE SUBJECT TO THE FIRE INSPECTOR'S APPROVAL. ALL WORK TO BE PERFORMED BY A QUALIFIED STATE REGISTRANT IN FIRE ALARM DESIGN.
2. ALARM INITIATING DEVICES, ALARM SIGNALING DEVICES, AND OTHER FIRE ALARM SYSTEM COMPONENTS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE CODES LISTED ON THE TITLE SHEET.
3. WHEN DUCT DETECTORS, REQUIRED BY THE MECHANICAL CODE OR FIRE CODE AND BUILDING CODE, ARE CONCEALED FROM VIEW OR INSTALLED MORE THAN 10 FEET ABOVE FINISHED FLOOR OR IN ARRANGEMENTS WHERE THE DETECTOR'S ALARM INDICATOR IS NOT READILY VISIBLE TO RESPONDING PERSONNEL, AN LED SHALL BE PROVIDED THROUGH THE CEILING LEVEL OR SIGHT OBSTRUCTION AT EACH DETECTOR. ALL DETECTION DEVICES PROVIDED SHALL BE MONITORED FOR INTEGRITY BY THE FIRE ALARM SYSTEM WHERE A FIRE ALARM IS INSTALLED.

## FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION OF A BUILDING

1. DURING CONSTRUCTION, YOU MUST PROVIDE AND MAINTAIN AN ALL WEATHER ROAD DESIGNED TO SUPPORT THE IMPOSED LOAD OF FIRE APPARATUS WEIGHING UP TO 85,000 POUNDS. SITES SHALL HAVE TWO POINTS OF ACCESS OR AS INDICATED AT PLAN REVIEW OR BY THE FIRE INSPECTOR. UNPAVED SURFACES SHALL HAVE A MINIMUM ABC 6" DEPTH COMPACTION TO 95% AND 20' WIDE. NO VEHICLE PARKING OR BUILDING MATERIAL OFF-LOADING ALLOWED ON THE EMERGENCY ACCESS ROAD. FIRE LANE SIGNS ARE REQUIRED TO BE POSTED ALONG THE ROAD.
2. A SIGN SHALL BE POSTED AT THE MAIN STREET ENTRANCE INDICATING EMERGENCY VEHICLE ENTRANCE. THE PROJECT NAME, THE PROJECT ADDRESS, AND AN EMERGENCY CONTACT NUMBER OF A COMPANY REPRESENTATIVE. THE SIGN SHALL BE A MINIMUM OF 24" HIGH X 36" WIDE WITH WHITE REFLECTIVE BACKGROUND AND 3" RED REFLECTIVE LETTERS. IN ADDITION ALL OFF-SITE WORK SHALL HAVE A SIGN POSTED AT THE MAIN STREET ENTRANCE THAT IS REFLECTIVE OF THE GEOGRAPHICAL LOCATION TO THE PROJECT. THE SIGN SHALL INCLUDE THE PROJECT NAME FOLLOWED BY THE CAPTION "OFF SITE" AND THE GEOGRAPHICAL LOCATION.
3. ALL SITE HYDRANTS SHALL BE INSTALLED AND ACCEPTED BY THE TOWN ENGINEERING DEPARTMENT PRIOR TO COMBUSTIBLE MATERIALS BEING DELIVERED TO THE CONSTRUCTION SITE.
4. BUILDINGS UNDERGOING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH LOCAL ORDINANCES AND THE EXISTING BUILDING CODE.

## ACCESSIBILITY NOTES

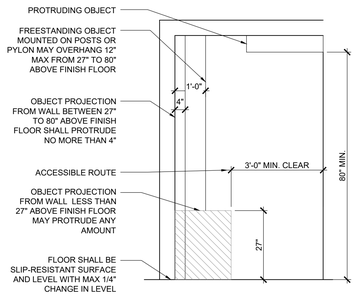
1. ACCESS TO THESE FACILITIES SHALL BE PROVIDED AT PRIMARY ENTRANCES, AS REQUIRED BY ADA.
2. WALKS & SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2" & SHALL BE A MIN. OF 48" IN WIDTH.
3. SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH.
4. SURFACES WITH A SLOPE OF 6% GRADIENT OR GREATER SHALL BE SLIP RESISTANT.
5. SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT.
6. WALKS, SIDEWALKS & PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN THE GRATINGS SHALL BE LIMITED TO 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
7. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL, IT SHALL COMPLY WITH THE PROVISIONS OF A PEDESTRIAN RAMP.
8. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2". WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2" ARE NECESSARY, THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS.
9. EVERY REQUIRED EXIT DOORWAY SHALL BE SIZED FOR A DOOR NOT LESS THAN 3 FT. WIDE BY NOT LESS THAN 6'-8" HIGH CAPABLE OF OPENING 90° & MOUNTED SO THAT THE CLEAR WIDTH OF THE EXIT WAY IS 32" MIN.
10. THRESHOLDS TO BE A MAX. 1/2" ABOVE ADJACENT FINISH FLOOR.
11. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS FOR ALL DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. NOT TO EXCEED 15 LBS.
12. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC & SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE.
13. PROVIDE 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. (30" TO 44" A.F.F.)
14. ALL DOORWAYS LEADING TO SANITARY FACILITIES SHALL HAVE 32" CLEAR UNOBSTRUCTED OPENING & A LEVEL & CLEAR AREA FOR A MINIMUM DEPTH OF 60" IN THE DIRECTION OF THE DOOR SWING.
15. PROVIDE 18" FROM WALL TO CENTERLINE OF W.C. & 32" FROM A WALL AT ONE SIDE & 48" IN FRONT OF W.C.
16. PROVIDE 30"X48" LONG SPACE IN FRONT OF TOILET & WITHIN THE TOILET ROOM THAT ALLOWS THE DOOR TO CLOSE
17. GRAB BARS LOCATED ON EACH SIDE, OR ONE SIDE & THE BACK OF PHYSICALLY DISABLED TOILET STALL OR COMPARTMENT SHALL BE SECURELY ATTACHED 33" (36" FOR TANK-TYPE TOILETS) ABOVE AND PARALLEL TO THE FLOOR. GRAB BARS AT THE SIDE SHALL BE LOCATED 15" TO 16 1/2" FROM THE CENTERLINE OF THE WATER CLOSET STOOL & SHALL BE AT LEAST 42" LONG WITH THE FRONT END POSITIONED 24" IN FRONT OF THE WATER CLOSET STOOL. GRAB BARS AT THE BACK SHALL BE NOT LESS THAN 36" LONG. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1 1/4" TO 1 1/2" OR THE SHAPE SHALL PROVIDE AN EQUI




ADA BENCH SHALL HAVE A BACK SUPPORT ALONG ITS LONG DIMENSION 48" LONG MIN. AND SHALL EXTEND FROM A POINT 2 INCHES MAX. ABOVE THE SEAT SURFACE TO A POINT 18" MIN. ABOCE THE SEAT SURFACE. BACK SUPPORT SHALL BE 2-1/2" MAX. FROM THE REAR EDGE OF THE SEAT MEASURED HORIZONTALLY.

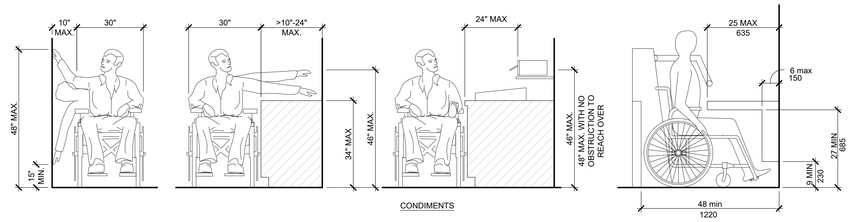
BENCHES SHALL BE AFFIXED TO THE WALL OR THE FLOOR ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 LBS IS APPLIED AT ANY POINT ON THE SEAT, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

## 9 ADA BENCH DETAIL
NTS



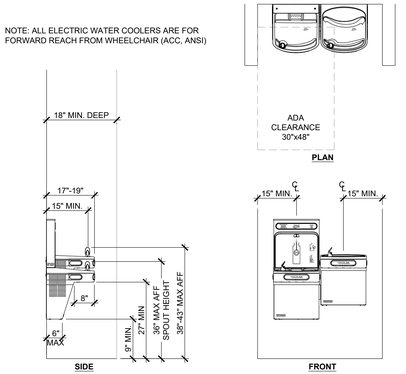

## 6 INTERIOR ACCESS ROUTE
NTS

| CORRESPONDING REACH HEIGHTS FOR GIVEN DEPTHS: | |
|---|---|
| WHEN D = 10" OR LESS, | H = 48" MAX. |
| WHEN D = >10" TO 24" | H = 46" MAX. |

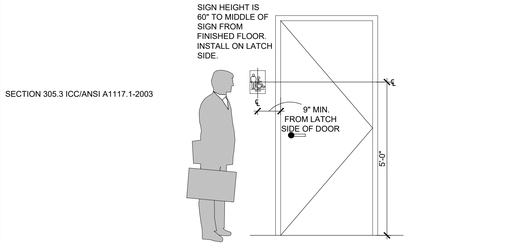



## 3 ADA REACH RANGES
NTS

NOTE: ALL ELECTRIC WATER COOLERS ARE FOR FORWARD REACH FROM WHEELCHAIR (ACC, ANSI)

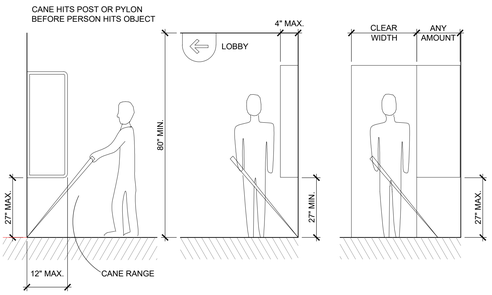



## 10 ACCESIBLE DRINKING FOUNTAIN
NTS

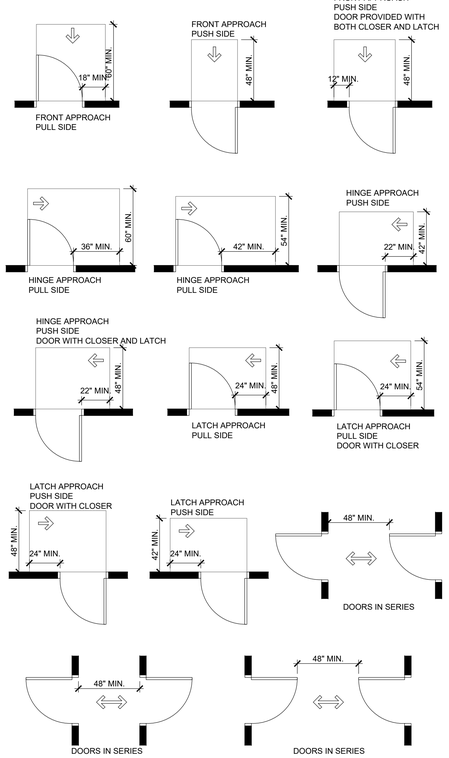



SECTION 305.3 ICC/ANSI A117.1-2003

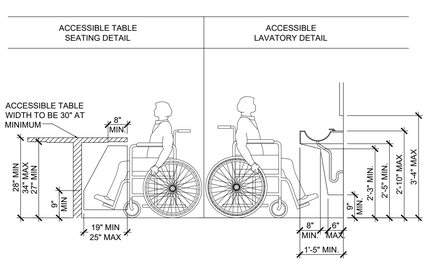
## 8 ACCESSIBLE SIGN DETAIL
NTS




## 5 PROTRUDING OBJECTS
NTS

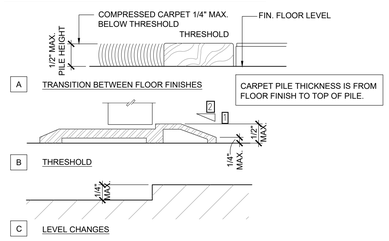



## 2 DOOR CLEARANCES
NTS



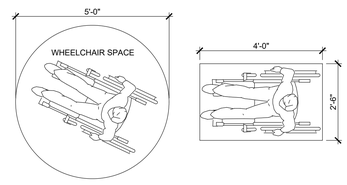

## 7 ACCESSIBLE ILLUSTRATIONS
NTS

NOTES:
1. 1/2" MAXIMUM TOTAL HEIGHT WITH 1/4" MAXIMUM VERTICAL CHANGE AT EDGE.
2. 1 : 2 SLOPED BEVEL REQUIRED IF LEVEL CHANGE IS OVER 1/4" VERTICAL LEVEL CHANGE.
3. 1/4" MAXIMUM VERTICAL LEVEL CHANGE.




## 4 CHANGES IN LEVEL
NTS

IBC
AT LEAST 60 PERCENT, BUT NOT LESS THAN ONE OF THE ENTRANCES TO EACH BUILDING AND STRUCTURE TO EACH SEPARATE TENANT SPACE WITHIN THE BUILDING OR STRUCTURE SHALL COMPLY WITH THE ACCESSIBLE ROUTE PROVISIONS OF THIS CHAPTER. ALL REQUIRED EXITS FOR EGRESS SHALL COMPLY WITH THESE REQUIREMENTS




SECTION 305.3 ICC/ANSI A117.1-2003

## 1 ADA CLEAR FLOOR & TURNING SPACE
NTS

MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

WOODHOUSE™

**WOODHOUSE SPAS - WILMINGTON, NC**

1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

CLIENT

PROJECT

SEAL

ERIC L. STYER
REGISTERED ARCHITECT
12820
NORTH CAROLINA
BUFFALO GROVE, ILLINOIS

LICENSE EXPIRES ON: 06-30-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT

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CONSULTANTS

ISSUE FOR PERMIT

Project Number: 25-005
Drawn By: KP / JZ
Approved By: JD

| No. | Issue | Date |
|---|---|---|
| | ISSUE FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

ACCESSIBILITY STANDARD DETAILS

G1-10

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PLOT DATE: 3/14/2025 2:59 PM PLOTTED BY: KEVIN PASLEY

# SPECIFICATIONS

## DIVISION 01 - GENERAL REQUIREMENTS

1. THE WORK INCLUDES NEW TENANT IMPROVEMENTS IN AN EXISTING STAND ALONE SPACE. PER SQUARE FOOT CALCULATIONS AS NOTED ON THE TITLE SHEET. CONTRACT WILL INCLUDE CONSTRUCTING WALLS, CEILINGS & FLOOR PER CLIENT APPROVED FINISHES, DETAILS & SPECIFICATIONS. SECURE & PAY FOR GOVERNMENT FEES, LICENSES, & PERMITS.
2. CONTRACTORS SHALL VISIT THE PREMISES WHILE BIDDING & SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS & THE REQUIREMENTS OF THE PROJECT PRIOR TO DEVELOPING THEIR BID. MATERIAL QUANTITIES SHALL BE BASED ON ACTUAL FIELD CONDITIONS & MEASUREMENTS. DO NOT RELY ON SCALING PLANS FOR ACCURATE DIMENSIONING.
3. PRIOR TO BEGINNING THE WORK, VERIFY ALL EXISTING DIMENSIONS & SQUARE FOOTAGES. NOTIFY THE OWNER OF COMPLIANCE OR DISCREPANCIES, COMPARING THOSE DISCREPANCIES TO THE NUMBERS ON THE TITLE SHEET.
4. CONTRACTORS SHALL TAKE CARE TO PROTECT ADJACENT AREAS FROM DUST & DAMAGE DURING THE CONSTRUCTION PROCESS & SHALL CLEAN UP AFTER THEMSELVES AT THE END OF EACH WORKING DAY. ANY DAMAGE DONE TO ADJACENT AREAS MUST BE REPAIRED TO MATCH ORIGINAL CONDITIONS.
5. ALL RUBBISH & TRASH SHALL BE REMOVED FROM THE PREMISES & PROPERLY DISPOSED OF EACH DAY. NO RUBBISH SHALL BE LEFT IN THE PREMISES AFTER WORK IS COMPLETED EACH DAY.
6. ALL DRAWINGS HEREIN CREATE AN ENTIRE PACKAGE. ALL TRADES SHALL BE RESPONSIBLE FOR REVIEWING THEIR RESPECTIVE REQUIREMENTS & COORDINATING THEIR HIDDEN OR EXPOSED WORK WITH OTHER RELATED TRADES. COORDINATE ALL WORK OF THE VARIOUS TRADES & SUBCONTRACTORS TO ASSURE EFFICIENT & ORDERLY INSTALLATION.
7. PROVIDE ACCOMMODATION FOR ITEMS INSTALLED AT A LATER DATE. VERIFY THAT CHARACTERISTICS OF ELEMENTS OF INTERRELATED OPERATING EQUIPMENT ARE COMPATIBLE; COORDINATE WORK OF VARIOUS SECTIONS WHICH HAVE INTERDEPENDANT RESPONSIBILITIES FOR INSTALLING, CONNECTING TO, & PLACING IN SERVICE, SUCH EQUIPMENT. COORDINATE SPACE REQUIREMENTS & INSTALLATION OF MECHANICAL & ELECTRICAL WORK & FIRE SPRINKLER SYSTEM WHICH ARE INDICATED, DETAILED, OR IMPLIED DIAGRAM- MATICALLY ON DRAWINGS.
8. UNLESS SPECIFICALLY NOTED, PROVIDE & PAY FOR LABOR, MATERIALS & EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT & MACHINERY & OTHER FACILITIES & SERVICES NECESSARY FOR PROPER EXECUTION & COMPLETION OF WORK, INCLUDING PERMITS. TEMPORARY UTILITIES SHALL BE ARRANGED & PAID FOR BY GENERAL CONTRACTOR.
9. GENERAL CONTRACTOR SHALL PURCHASE & MAINTAIN INSURANCE COVERAGE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD & THE TENANT. VERIFY & COORDINATE WITH THE TENANT'S PROJECT MANAGER ANY ADDITIONAL REQUIREMENTS.
10. FURNISH ALL REQUIRED TEMPORARY FACILITIES & ALL TEMPORARY UTILITIES IMMEDIATELY AFTER RECEIPT OF NOTICE TO PROCEED FOR USE IN CONVENIENCE OF ALL THOSE ENGAGED IN THE PROJECT WORK.
11. ALL CONTRACTORS MUST STAY BEHIND THE BARRIERS & MAINTAIN ACCESS TO SUCH AREAS CLEAN & FREE OF CONSTRUCTION MATERIALS & DEBRIS. FAILURE TO MAINTAIN CLEAN STOREFRONT WILL RESULT IN BUILDING MAINTENANCE STAFF REMOVING SUCH MATERIALS & DEBRIS REMOVED & ALL CHARGES FOR MAINTENANCE BILLED TO GENERAL CONTRACTOR.
12. COORDINATE ALL CONSTRUCTION & SCHEDULING WITH THE BUILDING MANAGER REVIEWING ALL SCHEDULED ACTIVITIES AT OUTSET OF CONSTRUCTION.
13. THE OWNER OR THE OWNER'S SUBCONTRACTORS MAY OCCUPY PORTIONS OF THE PROJECT DURING THE FINAL STAGE OF CONSTRUCTION. COORDINATE & COOPERATE WITH THE OWNER TO MINIMIZE CONFLICT & FACILITATE OWNER OPERATIONS.
14. ALL DIMENSIONS & FINISHES SHALL BE VERIFIED & COORDINATED WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION, FABRICATION, OR PURCHASING. IN CASE OF CONFLICT BETWEEN THE PROJECT REQUIREMENTS AND/OR EXISTING CONDITIONS, THE ARCHITECT OR OWNER SHALL BE CONTACTED FOR DIRECTION.
15. PERFORM ALL WORK IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICE TO INSURE THE HIGHEST QUALITY FINISHED PRODUCT - EXPRESSED OR IMPLIED. PERFORM ALL WORK BY SKILLED MECHANICS IN ACCORDANCE WITH ESTABLISHED STANDARDS OF WORKMANSHIP IN EACH OF THE VARIOUS TRADES.
16. COORDINATE BLOCKING REQUIREMENTS WITH ADJACENT OR RELATED TRADES, ACCESSORIES, EQUIPMENT & FIXTURES. INSTALL REQUIRED BLOCKING AT NO ADDITIONAL COST TO THE CONTRACT.
17. REPAIR PROPERTY DAMAGE BY THE INSTALLERS TO A LIKE NEW CONDITION OR REPLACE DAMAGED SURFACES & MATERIALS OF THE PREVIOUSLY INSTALLED WORK BY OTHER TRADES. INSTALLERS & SUBCONTRACTORS.
18. WHERE REQUESTED BY THE OWNER TO CERTIFY CONFORMANCE TO TRADE STANDARDS OR THE PROJECT REQUIREMENTS, THE CONTRACTOR SHALL ENLIST A TESTING LABORATORY AT THE OWNER'S COST. IF THE REQUESTED TEST SHOWS NON-CONFORMANCE TO GENERALLY ACCEPTED TRADE STANDARDS OR THE PROJECT REQUIREMENTS, THE CONTRACTOR SHALL CORRECT THE DEFICIENCY AT NO ADDITIONAL COSTS TO THE OWNER & REIMBURSE ALL THE COSTS OF THE TESTING TO THE OWNER, UNLESS THE CONTRACTOR HAS USED PRODUCTS INCORRECTLY LABELED BY THE MANUFACTURER OR HAS MADE PREVIOUSLY APPROVED CHANGES.
19. PROVIDE SECURITY OF THE WORK, INCLUDING TOOLS & UNINSTALLED MATERIALS. PROTECT THE WORK, STORED PRODUCTS, CONSTRUCTION EQUIPMENT & OWNER'S PROPERTY FROM THEFT & VANDALISM & THE PREMISES FROM ENTRY BY UNAUTHORIZED PERSONNEL UNTIL FINAL ACCEPTANCE BY OWNER.
20. MAINTAIN AN ACTIVE FIRE EXTINGUISHER AT THE PROJECT.
21. DO NOT USE MATERIAL OR EQUIPMENT FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SPECIFICALLY DESIGNED OR SPECIFIED. ALL MATERIALS & EQUIPMENT THAT ARE SIMILAR SHALL BE THE SAME TYPE, MODEL & STYLE FOR THE SAME USE THROUGHOUT THE PROJECT OR THEY SHALL BE REJECTED.
22. WHEN THE PROJECT REQUIREMENTS REQUIRE THAT THE INSTALLATION OF WORK SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS, PERFORM THE WORK IN STRICT ACCORDANCE WITH THE MOST CURRENT WRITTEN MANUFACTURER'S INSTRUCTIONS.
23. ALL PRODUCTS & EQUIPMENT SHALL BE DELIVERED IN UNDAMAGED CONDITION & STORED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS TO AVOID DISRUPTION OF THE WORK OR DAMAGE TO THE ITEMS. REPLACE DAMAGED OR UNFIT MATERIALS, AT NO COST TO THE OWNER.
24. NOTIFY THE OWNER WHEN THE WORK IS SUBSTANTIALLY COMPLETE & READY FOR INSPECTION. UPON INSPECTION, PROVIDE WRITTEN OPERATION & MAINTENANCE INSTRUCTIONS & GUARANTEES FOR ALL EQUIPMENT & MATERIALS INSTALLED. PROVIDE WRITTEN GUARANTEES FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.
25. PROVIDE FINAL CLEAN-UP & DAMAGE REPAIR AT THE PROJECT CONCLUSION. LEAVE THE PREMISES NEAT, CLEAN & CLEAR OF TOOLS, EQUIPMENT & SURPLUS MATERIALS, UNLESS REQUESTED BY THE OWNER. CLEAN-UP SHALL INCLUDE & NOT BE LIMITED TO:
   a. POWER VACUUMING THE ENTIRE SPACE.
   b. HAND DUSTING & CLEANING OF ALL SHELVING, CABINETRY, CASEWORK, GLASS & MIRRORS BOTH INSTALLED UNDER THIS CONTRACT OR EXISTING WALLS, CEILINGS, FIXTURES, ETC.
   c. REPAIR OR REPLACEMENT OF PROPERTY DAMAGED DURING FINAL COMPLETION OF THE PROJECT
   d. G.C. TO HIRE & PAY FOR PROFESSIONAL CLEANING ON (2) OCCASIONS: ONCE BEFORE TURNOVER TO TENANT (MERCHANDISING) & AGAIN BEFORE OPENING.
26. GENEAL CONTRACTOR SHALL PLACE ORDERS FOR ALL FINISHES, ALL MATERIALS, EQUIPMENT, ETC. ATTHE START OF THE PROJECT. SUBSTITUTIONS ARE NOT ACCEPTED FOR ANY ITEMS, UNLESS NOTED OTHERWISE. OWNER & ARCHITECT MUST BE INFORMED OF LEAD TIME PROBLEMS WITHIN THE FIRST TWO WEEKS OF THE PROJECT.

## DIVISION 02 - DEMOLITION / BUILDING ALTERATIONS

1. THE WORK MAY INCLUDE DEMOLITION OF EXISTING CONSTRUCTION, REMOVAL OF VARIOUS ITEMS OF EQUIPMENT & CONSTRUCTION & THE CUTTING OR ALTERATION OF EXISTING CONSTRUCTION AS SHOWN, NOTED OR IMPLIED ON THE DRAWINGS. CONTRACTOR SHALL DETERMINE & INVENTORY ALL NECESSARY DEMOLITION & ALTERATION OF ITEMS TO PROVIDE FOR A COMPLETE NEW INSTALLATION OF NEW WORK. ALL COSTS OF REMOVAL, REPAIR OR REPLACEMENT SHALL BE INCLUDED IN THE BID. ADDITIONAL COSTS FOR DEMOLITION OF ITEMS HIDDEN OR INACCESSIBLE DURING THE BIDDING PHASE, SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BEGINNING THE WORK.
2. AT ALTERED CONSTRUCTION, REPAIR CUT EDGES, REPLACE CONSTRUCTION & FIT NEW TO EXISTING CONSTRUCTION TO MATCH EXISTING WORK. MAKE JOINTS OF NEW & EXISTING PATCHES VERY SMOOTH, EVEN & PRACTICALLY INVISIBLE. COORDINATE ALL REPLACEMENT & REPAIR REQUIREMENTS WITH LANDLORD'S CONSTRUCTION CRITERIA & TENANT'S COORDINATOR.
3. SAW-CUT CONCRETE WITH DIAMOND SAW; JACKHAMMERING WILL NOT BE PERMITTED EXCEPT WITH THE EXPRESSED WRITTEN APPROVAL OF THE LANDLORD. CUT IN ACCURATELY LOCATED, STRAIGHT LINES & BREAK OUT SECTIONS. FLOOR MAY BE CORE DRILLED WHERE APPROP- RIATE FOR INSTALLATION OF PIPES & SIMILAR ITEMS. COORDINATE ALL CORE LOCATIONS & SLAB MODIFICATIONS WITH LANDLORD'S STRUCTURAL ENGINEER. WHERE EXISTING PIPING & OTHER SIMILAR ITEMS ARE UNDER EXISTING SLABS, EXERCISE CARE TO PROTECT FROM DAMAGE. EXERCISE CARE WHEN CUTTING ADJACENT TO EXISTING WALLS TO AVOID DAMAGE TO WALLS. IF DAMAGED, REPAIR AS REQUIRED TO ORIGINAL CONDITION.
4. DOORS & FRAMES: IF DOORS & FRAMES ARE TO BE REUSED ON THE WORK, CAREFULLY REMOVE DOOR FROM FRAMES & REMOVE FRAMES FROM OPENING, TAKING CARE TO AVOID DAMAGE. REMOVE HARDWARE, CLEAN, REFURBISH & STORE FOR REINSTALLATION WHERE INDICATED. FOR DOORS & FRAMES TO BE SALVAGED, CAREFULLY REMOVE FROM OPENING & DELIVER FOR STORAGE WHERE INDICATED.
5. PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURE. PROVIDE & PLACE BRACING & SHORING & BE RESPONSIBLE FOR SAFETY & SUPPORT OF STRUCTURE, AS DETERMINED BY G.C., ENLISTED STRUCTURAL ENGINEER. ASSUME LIABILITY FOR SUCH MOVEMENT, SETTLEMENT DAMAGE OR INJURY.
6. ARRANGE & PAY FOR DISCONNECTING, REMOVING & CAPPING UTILITY SERVICES WITHIN AREAS AFFECTED BY DEMOLITION. PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES. LOCATE SPRINKLER SHUT-OFF VALVE & SMOKE ALARM PRIOR TO COMMENCING WORK; COORDINATE REQUIRED MODIFICATION WITH LANDLORD.
7. CAREFULLY REMOVE MATERIALS & EQUIPMENT WHICH ARE INTENDED TO BE REUSED. STORE IN A SECURE LOCATION. REMOVE DEBRIS, REFUSE & MATERIALS BEING DEMOLISHED IMMEDIATELY FROM THE SITE.
8. ERECT & MAINTAIN WEATHERPROOF & DUSTPROOF CLOSURES & PARTITIONS TO PREVENT WEATHER DAMAGE OR SPREAD OF DUST, FUMES & SMOKE TO OTHER PARTS OF THE BUILDING. IN ACCORDANCE WITH MALL GUIDELINES & STIPULATIONS.
9. PERFORM DEMOLITION IN ACCORDANCE WITH APPLICABLE AUTHORITIES HAVING JURISDICTION.
10. REPAIR ALL DEMOLITION IN EXCESS OF THAT REQUIRED AT NO COST TO THE OWNER.
11. REMOVE FROM SITE CONTAMINATED, VERMIN INFESTED OR DANGEROUS MATERIALS ENCOUNTERED; DISPOSE OF BY SAFE MEANS TO PROTECT HEALTH OF WORKERS & PUBLIC.

## DIVISION 03 - CONCRETE REPAIR & REPLACEMENT

1. WORK INCLUDES: PATCHING OF SLAB AFTER DEMOLITION & REMOVAL OF FINISHES; FILLING & LEVELING JOINTS & CRACKS; FILLING ABANDONED ELECTRICAL BOXES & ANY HOLES GREATER THAN 1/2".
2. USE RAECO-LITH "R-35" AS UNDERLAYMENT FOR PATCHING OR APPROVED EQUAL. MIX SHALL BE TWO PARTS - MORTAR MIX & LATEX BINDER. MIX & INSTALL PER MANUFACTURER'S LATEST WRITTEN & RECOMMENDED DIRECTIONS.

## DIVISION 04 - MASONRY

### CONCRETE MASONRY UNITS

1. CONCRETE MASONRY UNITS ARE TO BE SQUARE-EDGED UNITS FOR OUTSIDE CORNERS, UNLESS OTHERWISE INDICATED.
2. WHERE REQUIRED, USE DECORATIVE CONCRETE MASONRY UNITS TO MATCH EXISTING SHELL FINISH:
   a. EXPOSED FACES TO BE GROUND FINISH, SPLIT-FACE FINISH OR SPLIT-RIBBED FINISH TO MATCH EXISTING

### FACE BRICK

1. FACE BRICK (ASTM C 216) IS TO BE OF STANDARD SIZE TO MATCH EXISTING SHELL SPACE.
2. CONTRACTOR IS TO USE SOLID BRICK WITH FINISHED SURFACES AT ENDS & CAPS.
3. SPECIAL SHAPES ARE TO BE USED IN APPLICATIONS WHERE SAW CUTTING WOULD LEAVE EXPOSED END UNFINISHED EXPOSED TO VIEW.

### MORTAR

1. ASTM 270, ASTM C 1142 & UBC STANDARD 21-15 ARE ACCEPTABLE.
2. CALCIUM CHLORIDE SHALL NOT BE USED IN MORTAR MIXTURE.
3. FOR MASONRY BELOW GRADE, IN CONTACT WITH EARTH, REINFORCED MASONRY TYPE S OR RS SHALL BE USED (MATCH EXISTING). FOR EXTERIOR ABOVE GRADE, LOAD BEARING, NON-LOAD BEARING & PARAPET WALLS TYPE N OR RN SHALL BE USED (MATCH EXISTING).

### JOINT & CELL REINFORCEMENT, TIES & ANCHORS

1. PROVIDE JOINT REINFORCEMENT FORMED FROM GALVANIZED CARBON-STEEL WIRE (ASTM A 153, CLASS B-2 FOR BOTH INTERIOR & EXTERIOR WALLS)
2. FOR SINGLE-WYTHE MASONRY, PROVIDE LADDER OR TRUSS DESIGN REINFORCEMENT.
3. INSTALL #4 BARS MIN. AT ENDS OF WALLS & 48" O.C. MIN. IN SOLID GROUTED CELLS OVERLAP BARS 18" MIN. & TIE, AS REQUIRED.

### EXECUTION

1. CUT MASONRY UNITS WITH MOTOR-DRIVEN SWAS. INSTALL CUT UNITS WITH CUT SURFACE CONCEALED.
2. MASONRY UNITS TO BE MIXED FROM SEVERAL PALLETS AS THEY ARE PLACED TO CREATE UNIFORM BLEND OF COLOR & TEXTURE.
3. COURSING, BONDING, COLOR & TEXTURE OF NEW MASONRY IS TO MATCH EXISTING.
4. EXPOSED JOINTS ARE TO BE TOOLED SLIGHTLY WHEN THUMBPRINT HARD.
5. ALL CAVITIES ARE TO BE KEPT CLEAN OF MORTOR DROPPINGS & OTHER MATERIALS DURING CONSTRUCTION. CAVITY JOINTS ARE TO BE TOOLED FLUSH.

### CLEANING

1. MASONRY BLOCK, FACE BRICK & VENNER TO BE CLEANED AS WORK PROGRESSES. MORTOR FINS, SMUDGES & SMEARS ARE TO BE REMOVED PRIOR TO TOOLING JOINTS.
2. AFTER MORTOR HAS COMPLETELY SET & CURED, ALL LARGE MORTOR PARTICLES ARE TO BE REMOVED & UNITS MASONRY IS TO BE SCRUBBED THOROUGHLY.

## DIVISION 05 - METAL FABRICATIONS

1. PROVIDE ALL MISCELLANEOUS METAL ITEMS INCLUDING MATERIALS, FABRICATIONS, FASTENINGS & ACCESSORIES REQUIRED FOR FINISHED INSTALLATION AS INDICATED & SPECIFIED.
2. STEEL SHALL BE ASTM A366 AMERICAN OPEN HEARTH SHEET STEEL, FREE FROM SCALE & PITTING & OTHER DEFECTS AFFECTING APPEARANCE.
3. TUBING SHALL CONFORM TO REQUIREMENTS OF ASTM A500 OR A501 AS APPROVED.
4. WHERE METAL ITEMS ARE TO BE ERECTED & IN CONTACT WITH DISSIMILAR MATERIALS, PROVIDE CONTACT SURFACES WITH COATING OF AN IMPROVED ZINC CHROMATE PRIMER IN A MANNER TO OBTAIN NOT LESS THAN 1.0 MIL DRY FILM THICKNESS.
5. SHEET STEEL SHALL CONFORM TO REQUIREMENTS OF ASTM A606.
6. CARBON STEEL BARS SHALL CONFORM TO REQUIREMENTS OF ASTM A321.
7. ALUMINUM EXTRUSIONS SHALL CONFORM TO ASTM B221. REVEALS TO BE CLEAR ANODIZED FINISH (UNLESS OTHERWISE NOTED).
8. FASTENERS SHALL BE AS REQUIRED FOR ASSEMBLY & INSTALLATION OF FABRICATED ITEMS.
9. BOLTS SHALL BE LOW CARBON STEEL EXTERNALLY & INTERNALLY THREADED FASTENERS CONFORMING WITH REQUIREMENTS OF ASTM A307; INCLUDE NECESSARY NUTS & PLAIN HARDENED WASHERS. FOR MEMBERS FOR SUPPORT OF STRUCTURAL MEMBERS OR CONNECTION THERETO, USE FASTENERS CONFORMING WITH ASTM A325 FOR STAINLESS STEEL & NON- FERROUS ITEMS, USE TYPE 302 & 304 STAINLESS STEEL FASTENERS.
10. MISCELLANEOUS MATERIALS: PROVIDE ALL INCIDENTAL ACCESSORY MATERIALS, TOOLS, METHODS & EQUIPMENT REQUIRED FOR FABRICATION & INSTALLATION OF MISCELLANEOUS METAL ITEMS AS INDICATED ON DRAWINGS.
11. VERIFY DIMENSIONS PRIOR TO FABRICATION OR CASTING. FORM METAL ITEMS TO ACCURATE SIZES & CONFIGURATIONS AS INDICATED ON DRAWINGS & OTHERWISE REQUIRED FOR PROPER INSTALLATION; FABRICATE WITH ALL LINES STRAIGHT & ANGLES SHARP. CLEAN & TRUE: DRILL, COUNTERSINK, TAP & OTHERWISE PREPARE ITEMS FOR CONNECTION WITH WORK OF OTHER TRADES. MAKE PERMANENT CONNECTIONS BY WELDING & GRIND ALL EXPOSED WELDS SMOOTH TO MATCH ADJACENT SURFACES; ROUGH JOINT SURFACES SO PERFORMED. AVOID USING BOLTS & SCREWS UNLESS SPECIFICALLY INDICATED OR APPROVED; WHEN USED, DRAW UP TIGHT & THE THREADS TO PREVENT LOOSENING.
12. ALL FERROUS METAL ITEMS SHALL BE SHOP FINISHED. TOUCH-UP OR REPAIR DAMAGED AREAS PRIOR TO INSTALLATION WITH SAME MATERIAL.
13. PROVIDE CONTACT SURFACES WITH CONCRETE MASONRY OR OTHER DISSIMILAR MATERIALS WITH A MINIMUM ONE POINT ZERO (1.0) MIL DRY THICKNESS OF AN APPROVED ZINC CHROMATE PRIMER.
14. PROVIDE ALL STEEL BLOCKING & BRACING IN METAL STUD FRAMED PARTITIONS NECESSARY FOR A COMPLETE INSTALLATION. INCLUDE AS REQUIRED FOR SUPPORT OF ALL WALL MOUNTED EQUIPMENT & FABRICATIONS NOT INDICATED ON DRAWINGS. PROVIDE SUPPORTS AT JAMBS OF DOORS & ELSEWHERE, AS REQUIRED.
15. FABRICATE ALL MISCELLANEOUS FRAMING & BRACING ITEMS TO DETAIL OF STRUCTURAL SHAPES, PLATES & BARS; WELD JOINTS WHERE PRACTICAL; PROVIDE BOLTS & OTHER CONNECTION DEVICES REQUIRED. INCLUDE ANCHORAGES, CLIP ANGLES, SLEEVES, ANCHOR PLATE & SIMILAR DEVICES, WHETHER IMPLIED OR INDICATED, SET ACCURATELY IN POSITION AS REQUIRED & SECURELY TO BUILDING CONSTRUCTION WITH FASTENERS APPROP- RIATE TO THE INSTALLATION

## DIVISION 06 - WOOD & PLASTICS

1. PROVIDE ROUGH LUMBER & PLYWOOD IN STANDARD DIMENSIONS. MOISTURE CONTENT NOT MORE THAN 19%.
2. PROVIDE ALL NECESSARY ROUGH HARDWARE IN SIZES & QUANTITIES REQUIRED BY LOCAL CODE OR APPROVED BY ARCHITECT.
3. USE FINISH OR CASING NAILS FOR EXPOSED WORK, USE TYPE "S" TRIM HEAD SCREWS OR A ATTACHMENT OF WOOD TRIM TO METAL STUDS, RUNNERS OR FURRING
4. RELIEVE BACKS OF WOOD TRIM; KERF BACKS OF MEMBERS MORE THAN 5" WIDE & 1" NOMINAL THICKNESS; EASE ALL EXTERNAL CORNERS.
5. INSTALL LAMINATES ONLY WHEN RECEIVING SURFACES ARE IN A SATISFACTORY CONDITION FOR INSTALLATION.
6. PROTECT FROM DAMAGE BY OTHER TRADES WORKING ADJACENT TO THE INSTALLATION. REPLACE DAMAGED SURFACES.
7. REMOVE EXCESS ADHESIVE & CLEAN SURFACES USING MANUFACTURER'S RECOMMENDED SOLVENT & CLEANING PROCEDURES.
8. FILL IN ALL SEAMS WITH MANUFACTURER'S APPROPRIATE COLOR SEAM COMPOUND.
9. INSTALL WOODS & PLASTICS IN CONFORMANCE WITH DETAILS WITH THE FOLLOWING CONSIDERATIONS & REQUIREMENTS:
   a. INSTALL ALL MATERIAL WITH TIGHT JOINTS.
   b. MITER CASINGS & MOLDINGS.
   c. ALL RUNNING TRIM ONE (1) PIECE UP TO 10'-0". MATCH GRAIN & COLOR PIECE TO PIECE.
   d. USE FINISH NAILS EXCEPT WHERE SCREWS ARE SPECIFICALLY CALLED FOR OR WHERE SCREWS DO NOT SHOW.
   e. SET FASTENERS FOR PUTTYING.
   f. WHERE SCREW ATTACHMENT REQUIRED, SPACE SCREWS AT EQUAL INTERVALS; SINK & PUTTY IN FINISH WOOD SURFACES.
   g. ALL MEMBERS & LINES LEVEL & PLUMB.
   h. SELECT & CUT MATERIAL TO EXCLUDE DAMAGED, MARKED OR DEFECTIVE AREAS.
   i. FINISH EXPOSED SURFACES SMOOTH, FREE FROM TOOL & MACHINE MARKS
   j. EASE ALL EXPOSED WOOD EDGES 1/8" MINIMUM RADIUS.
   k. INSTALL FIRE RATED DOORS IN ACCORDANCE WITH REQUIREMENTS OF NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RECOMMENDATIONS.

## DIVISION 07 - SEALANTS & CAULKING

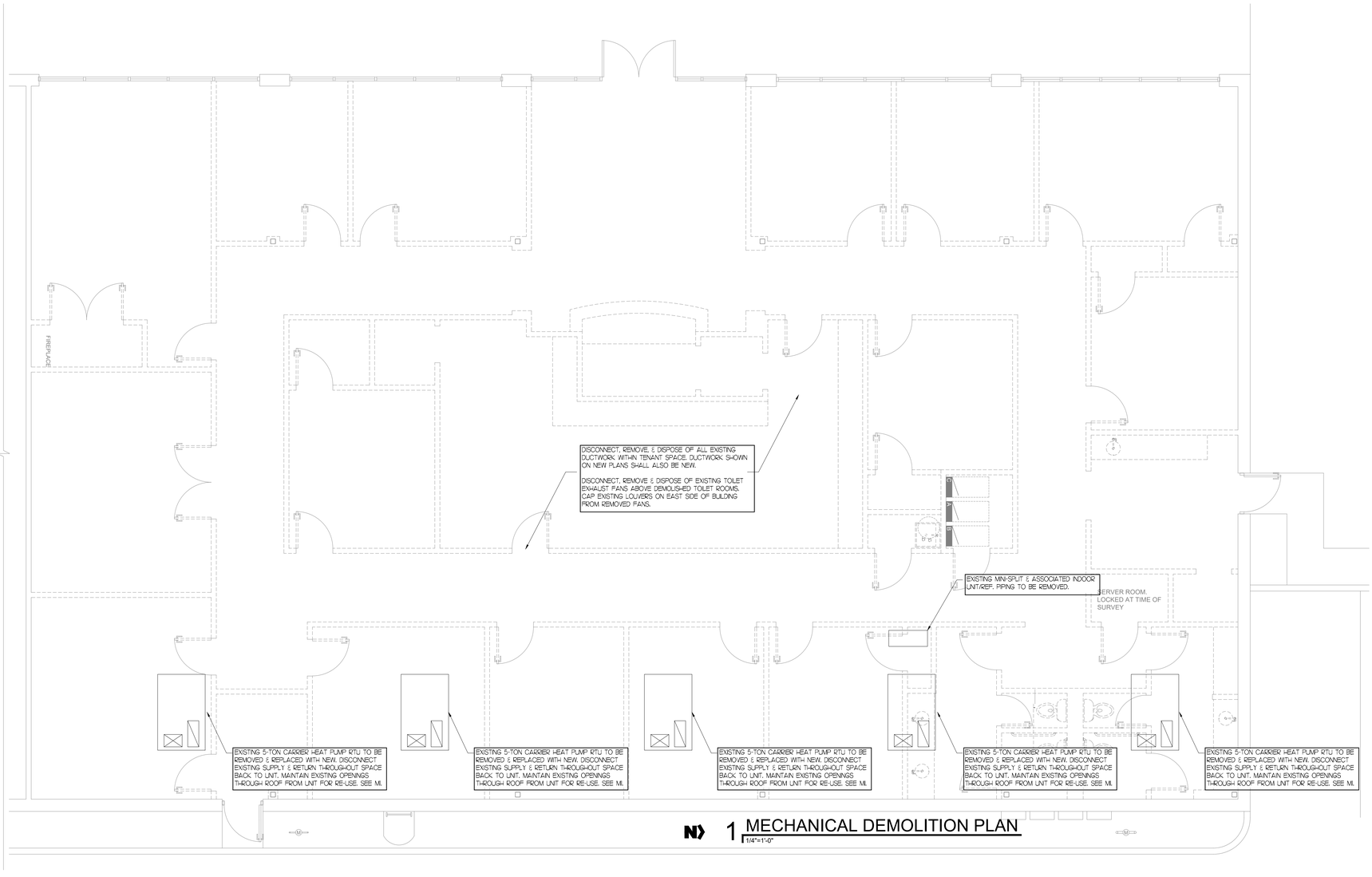
1. PROVIDE NON-SAG SEALANT COMPLYING WITH REQUIREMENTS OF FEDERAL SPECIFICATIONS TTS-1543 OR FS TT-S-230 TYPE "II", CLASS "A". PROVIDE ACOUSTICAL SEALANT WHICH SHALL BE NON-HARDENING, NON-DRYING SYNTHETIC RUBBER SEALING COMPOUND WITH MINIMUM 90% SOLIDS. USE AT ALL INTERIOR JOINTS AT INTERSECTIONS BETWEEN PLANES. AROUND DOOR & WINDOW FRAMES PRIMER SHALL BE MADE OR RECOMMENDED BY SEALANT MANUFACTURER FOR THE SPECIFIC CONDITIONS & SUBSTRATES.
2. PROVIDE BACKING MATERIAL BY DOW "ETHAFOAM" OR APPROVED EQUAL. APPLY SEALANT OVER BACKING TO UNIFORM DEPTHAND THICKNESS EQUAL TO BASE FILLING ALL JOINTS & VOIDS. SOLID. SUPERFICIAL POINTING WITH THE SKIM BEAD WILL NOT BE ACCEPTED. JOINTS OVER 1/4" IN WIDTH MUST BE REDUCED / ADJUSTED PRIOR TO SEALING. ALL GAPS WIDE ENOUGH TO ACCEPT A SLIP OF PAPER MUST BE SEALED.
3. ALL SURFACES SHALL BE ADEQUATELY CLEANED & PREPARED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS PRIOR TO INSTALLATION.
4. THE KEC. IS RESPONSIBLE FOR SEALING ALL KITCHEN EQUIPMENT PROVIDED W/ SANITARY SILICONE SEALANT, CLEAR OR WHITE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OTHER GAPS INCLUDING, WOOD BASE TO VCT., LAMINATE PANELS TO TRIM, CASING, ETC. W/ CLEAR OR PAINTABLE SEALANT AT DRYWALL / PAINT AS REQUIRED & REQUESTED BY INSPECTORS & OWNER.
5. ALL PENETRATIONS IN MILLWORK ARE TO BE SEALED BY G.C. EXPOSED WOOD SURFACES IN CABINETS / COUNTERS ARE TO BE SEALED BY MILLWORK CONTRACTOR.

## DIVISION 08 - WOOD & HOLLOW METAL DOORS & FRAMES

1. PROVIDE FULLY WELDED DOOR FRAMES AT ALL G.C. PROVIDED DOORS. FREE FROM SCALE & PITTING & OTHER SURFACE DEFECTS, UNLESS OTHERWISE NOTED.
2. PROVIDE HOLLOW METAL EXIT DOOR CONSTRUCTED WITH THE FOLLOWING MATERIALS:
   - MINIMUM 18 GA. FOR FACE SHEETS OF INTERIOR DOORS.
   - 16 GA. FOR EDGE CHANNELS.
   - MINIMUM 22 GA. FOR FACE STIFFENERS.
   - MINIMUM 16 GA. FOR INTERIOR FRAMES.
3. PROVIDE DOORS OF SIZES & TYPES INDICATED ON DRAWINGS. FULLY WELDED SEAMLESS CONSTRUCTION WITH NO VISIBLE SEAMS OR JOINTS ON FACES OR VERTICAL EDGES; THICKNESSES AS SCHEDULED ON DRAWINGS. DOOR TOPS TO BE ENCLOSED W/ NO OPEN CHANNEL.
4. FACE STIFFENERS, EDGES & HARDWARE REINFORCEMENT SHALL BE THE HIGHEST QUALITY WORKMANSHIP & MATERIALS. PROVIDE IN ACCORDANCE WITH BEST TRADE PRACTICE & MANUFACTURER'S WRITTEN RECOMMENDATIONS FOR THE USE INTENDED.
5. HARDWARE REINFORCEMENT & ANCHORS (ERECTION, FLOOR & JAMB) SHALL BE AS REQUIRED FOR A SECURE INSTALLATION & SHALL BE IN ACCORDANCE WITH TRADE REQUIRE- MENTS FOR THE SPECIFIED HARDWARE & INTENDED USE.
6. AFTER FABRICATION, DRESS, FILL & SAND EXPOSED SURFACES, BODY-PUTTY HOLES & IMPERFECTIONS. APPLY UNIFORM COAT OF MANUFACTURER'S STANDARD PRIME COAT TO ALL EXPOSED SURFACES. LEAVE READY TO RECEIVE FINISH PAINTING.
7. INSTALL FRAMES IN ACCURATE LOCATIONS AS INDICATED ON DRAWINGS. INSTALL RIGID, PLUMB, LEVEL & TRUE. ALIGN WITH ADJACENT CONSTRUCTION. SECURE FLOOR ANCHORS TO FLOOR CONSTRUCTION WITH APPROVED TYPE MECHANICAL FASTENERS. ANCHOR TO ADJOINING WALLS WITH SPECIFIED ANCHORS. BRACE FRAMES TO RETAIN POSITION & CONTINUOUSLY CHECK ALIGNMENT DURING CONSTRUCTION OF ADJACENT WALLS. ADJUST FRAME LOCATIONS AS NECESSARY USING SHIMS BEFORE FASTENING. LEAVE READY TO RECEIVE SEALANT AS REQUIRED. INSTALL DOOR SILENCERS AT ALL INTERIOR FRAMES.
8. INSTALL WOOD DOORS, FRAMES, & TRIM. SIZES & THICKNESS AS SCHEDULED ON THE DRAWINGS.
9. PREPARE DOORS FOR FINISH HARDWARE. OBTAIN TEMPLATES FROM HARDWARE MANUFACTURER & CONFIRM TYPE, LOCATION & SPECIAL REQUIREMENTS OF HARDWARE FOR EACH DOOR PRIOR TO CUTTING.
10. HANG DOORS AS SCHEDULED ON DRAWINGS, IN ACCURATE LOCATIONS WITH 1/8" CLEARANCE AT TOPS & 3/8" CLEARANCE AT BOTTOM, UNLESS SPECIFICALLY NOTED FOR THOSE CONDITIONS IN FIT. MAKE NO MORE THAN THREE CUTS UNLESS APPROVED. HANG PAIRS OF DOORS AS SPECIFIED WITH 3/32" CLEARANCE AT MEETING EDGES. DEMONSTRATE THAT DOORS OPEN FREELY WITHOUT BINDING, & WHEN CLOSED, WILL LATCH PROPERLY.
11. ACCESS DOORS TO BE PROVIDED BY GENERAL CONTRACTOR AS REQUIRED. PROVIDE ACCESS DOORS BY MILCOR OR EQUAL. USE STYLE DW AT WALLS & CEILINGS, (OR AS REQUIRED FOR RATING). SIZE AS INDICATED. FRAME SHALL BE GALVANIZED STEEL, DRYWALL BEAD FOR FRAME CONCEALMENT. PANEL SHALL BE 14GA. STEEL WITH SPRING TYPE CONCEALED HINGES OPENING TO 175 DEGREES. LOCKS SHALL BE FLUSH, SCREWDRIVER OPERATED WITH METAL CAN. PRIME COAT SHALL BE FACTORY APPLIED.
12. PROVIDE WEATHERSTRIPPING AT ALL EXTERIOR DOORS, AS REQUIRED TO PROVIDE NO VISIBLE LIGHTLEAKS. WEATHERSTRIPPING IS TO BE RESISTENCE TYPE. ADHERED RUBBER TYPE STRIPS ARE NOT ACCEPTABLE. PROVIDE VERTICAL BRUSH TYPE STRIP BETWEEN MEETING EDGES AT DOUBLE DOORS.
13. THRESHOLDS ARE TO BE SEALED TO FLOOR AT ALL LOCATIONS.

### HARDWARE

1. ALL FINISH HARDWARE FOR COMPLETE WORK SHALL BE FURNISHED & INSTALLED IN ACCORDANCE WITH DRAWINGS & SPECIFICATIONS. QUANTITIES LISTED, IN ANY INSTANCE, ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY & NOT GUARANTEED. ITEMS NOT SPECIFICALLY MENTIONED BUT NECESSARY TO COMPLETE THE WORK SHALL BE FURNISHED MATCHING THE QUALITY & FINISH OF THE ITEMS SPECIFIED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER OPERATION & FITTING OF HARDWARE ON LOCATIONS SPECIFIED. THE CONTRACTOR SHALL PROVIDE UNDER LOCK & KEY TO STORE ALL FINISH HARDWARE UNTIL INSTALLATION IS MADE. THE HARDWARE SUPPLIER MUST MARK EACH ITEM OF HARDWARE AS TO DESCRIPTION & LOCATION OF INSTALLATION IN ACCORDANCE WITH APPROVED HARDWARE SCHEDULE. EXPOSED SURFACES OF HARDWARE SHALL BE COVERED & WELL PROTECTED DURING INSTALLATION, SO AS TO AVOID DAMAGE TO FINISHES.
3. PROVIDE HARDWARE FOR FIRE-RATED OPENINGS IN COMPLIANCE WITH REQUIREMENTS OF NFPA 80. THIS REQUIREMENT TAKES PRECEDENCE OVER OTHER REQUIREMENTS FOR SUCH HARDWARE.
4. HARDWARE FINISH SHALL BE DARK BRONZE US -10B IN PUBLIC AREAS & SATIN CHROME IN NON-PUBLIC AREAS, U.N.O.
5. HARDWARE SUPPLIER WILL PROVIDE APPROVED SCHEDULED & PAPER TEMPLATES TO VARIOUS OTHER SUPPLIERS FOR DOOR & FRAME PREPARATION FOR HARDWARE.
6. FURNISH & FINISH HARDWARE, CYLINDERS & KEYS: "BEST" SEVEN PIN ROD.
7. EACH ITEM OF HARDWARE SHALL BE




N

## 1 MECHANICAL DEMOLITION PLAN

1/4"=1'-0"

NOT FOR CONSTRUCTION

MUNICIPAL APPROVAL STAMP

WOODHOUSE™

CLIENT

**WOODHOUSE SPAS - WILMINGTON, NC**

PROJECT

1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

JOHN K. NEVILLE
040676
LICENSED PROFESSIONAL ENGINEER
OF
NORTH CAROLINA

SEAL

LICENSE EXPIRES ON: 12-31-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT

DXU ARCHITECTS
413 E. Main Street • Ruther • Chicago • IL • 60601
p: 312.313.2121 • f: 312.313.2122 • e: info@dxu.com

CONSULTANTS

NEVILLE ENGINEERING SERVICE, INC.
1321 W. LARVIEW CT
CEDAR PARK
ROBBINSVILLE, 08691
732.979.8888
NJ CERTIFICATE OF AUTHORIZATION

CLIENT REVIEW

| No. | Issue | Approved By: JKN | Date |
|---|---|---|---|
| | FOR PERMIT | | 03-14-2025 |

Project Number: 25-030
Drawn By: RM / RT

SHEET TITLE & NUMBER

MECHANICAL DEMOLITION PLAN

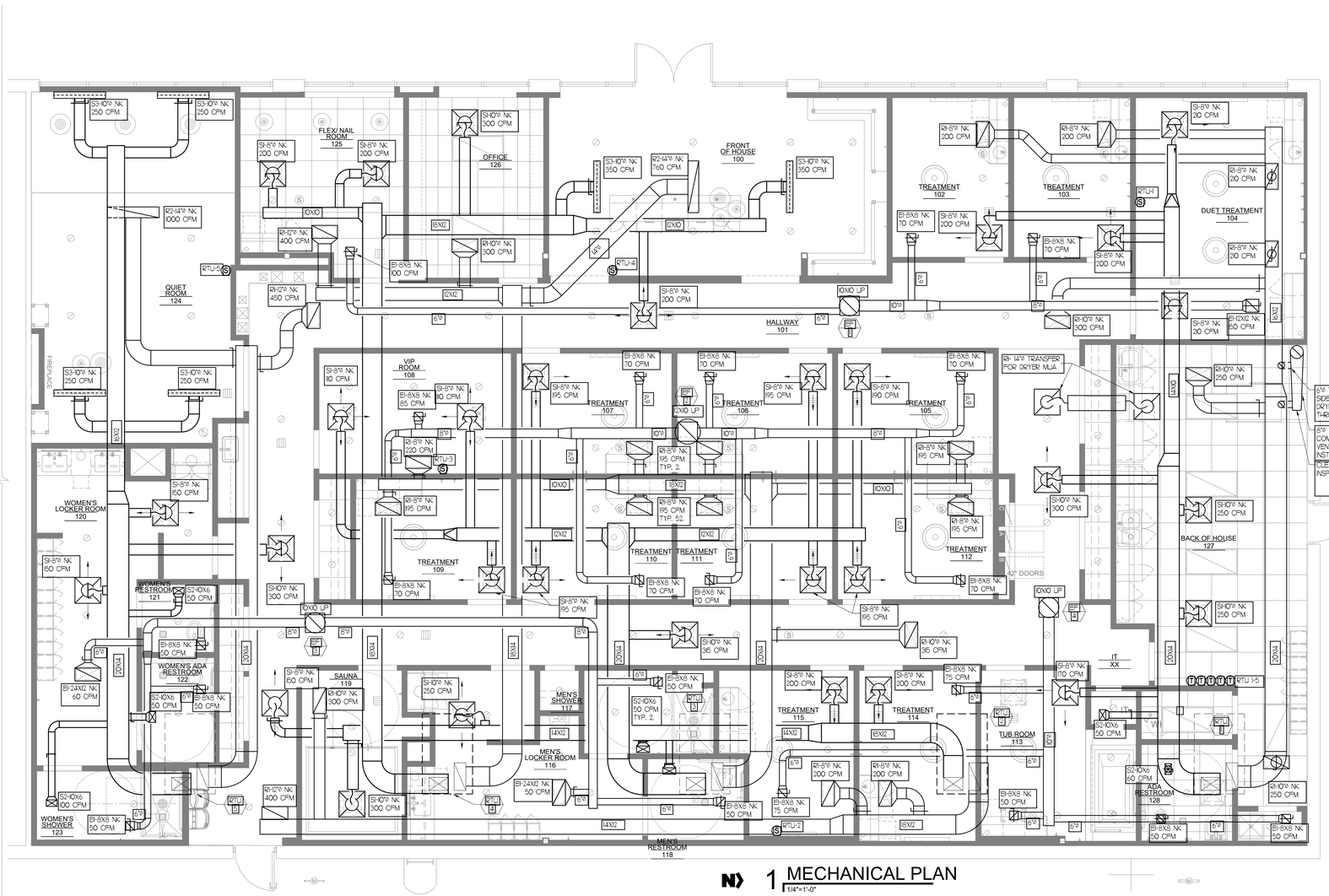
M-0

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ILLINOIS PROFESSIONAL DESIGN REGISTRATION: 184.006888 EXPIRES: 4/30/2023

PLOT DATE: 3/14/2025 4:13 PM PLOTTED BY: RYAN MCCARTHY


S3-10"ø NK 250 CPM
S3-10"ø NK 250 CPM
FLEX/ NAIL ROOM 125
SI-8"ø NK 200 CPM
SI-8"ø NK 200 CPM
SI-10"ø NK 300 CPM
OFFICE 126
S3-10"ø NK 550 CPM
R2-14"ø NK 760 CPM
FRONT OF HOUSE 100
S3-10"ø NK 550 CPM
R2-14"ø NK 1000 CPM
10X10
18X12
R4-12"ø NK 400 CPM
RTU-4
EI-8X8 NK 100 CFM
R4-10"ø NK 300 CPM
12X12
QUIET ROOM 124
R4-12"ø NK 450 CPM
SI-8"ø NK 200 CPM
10X10 LP
HALLWAY 101
R2-8"ø NK 200 CPM
R2-8"ø NK 200 CPM
SI-8"ø NK 20 CPM
TREATMENT 102
TREATMENT 103
RTU-1
DUET TREATMENT 104
R2-8"ø NK 20 CPM
EI-8X8 NK 70 CFM
SI-8"ø NK 200 CPM
EI-8X8 NK 70 CFM
SI-8"ø NK 200 CPM
R4-10"ø NK 300 CPM
EI-12X12 NK 50 CFM
16X12
FRONT FACE
S3-10"ø NK 250 CPM
S3-10"ø NK 250 CPM
20X20
VIP ROOM 108
SI-8"ø NK 90 CFM
EI-8X8 NK 85 CFM
SI-8"ø NK 90 CFM
R4-8"ø NK 220 CPM
RTU-3
SI-8"ø NK 150 CPM
WOMEN'S LOCKER ROOM 120
SI-8"ø NK 150 CPM
WOMEN'S RESTROOM 121
S2-10X6 150 CFM
SI-10"ø NK 300 CPM
10X10 LP
EI-8X8 NK 50 CFM
WOMEN'S ADA RESTROOM 122
EI-24X12 NK 60 CFM
S2-10X6 50 CFM
EI-8X8 NK 50 CFM
S2-10X6 100 CFM
WOMEN'S SHOWER 123
EI-8X8 NK 50 CFM
SI-8"ø NK 150 CFM
SAUNA 119
R4-8"ø NK 300 CFM
SI-10"ø NK 250 CFM
R4-12"ø NK 400 CFM
SI-10"ø NK 300 CFM
MEN'S SHOWER 117
MEN'S LOCKER ROOM 116
EI-24X12 NK 50 CFM
MEN'S RESTROOM 118
EI-8X8 NK 70 CFM
SI-8"ø NK 95 CFM
TREATMENT 107
TREATMENT 106
TREATMENT 105
R4-8"ø NK 95 CFM TYP. 2
R4-8"ø NK 95 CFM TYP. 52
TREATMENT 109
TREATMENT 110
TREATMENT 111
TREATMENT 112
42" DOORS
SI-10"ø NK 95 CFM
SI-10"ø NK 95 CFM
SI-10"ø NK 95 CFM

## NEW HEAT-PUMP ROOFTOP UNIT SCHEDULE (RTU-)

| TAG | SERVICE | NOMINAL TONS | FAN CFM | FAN S.P. | FAN HP (BHP) | COOLING SENS. (MBH) | COOLING TOTAL (MBH) | COOLING ENT. AIR DB/WB | COOLING SEER | COOLING REF-454B (LBS-OZ) | HEATING TOTAL (MBH) @ 47°F/17°F DB | HEATING ASHP | HEATING STAGES | ELECTRICAL VOLT | ELECTRICAL MCA | ELECTRICAL MOCP | O.A. (CFM) | UNIT WEIGHT (LBS) | MANUFACTURER | MODEL NUMBER | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RTU-1 | NORTH | 5.0 | 1,950 | 1.0" | 0.881 | 45.3 | 60.3 | 80/67 | 14.3 | 14-3 | 56.5 / 30.0 | 8.2 | 1 | 208/3/60 | 31 | 45 | 280 | 600 | CARRIER | 50PEQ-06A2A5 | 1, 2 |
| RTU-2 | EAST | 3.0 | 1,100 | 1.0" | 0.541 | 26.1 | 36.0 | 80/67 | 14.3 | 8-0 | 34.0 / 17.0 | 8.2 | 1 | 208/3/60 | 40 | 45 | 500 | 470 | CARRIER | 50PEQ-04A2A5 | 1, 2, 3 |
| RTU-3 | CENTER | 5.0 | 1,950 | 1.0" | 0.881 | 45.3 | 60.3 | 80/67 | 14.3 | 14-3 | 56.5 / 30.0 | 8.2 | 1 | 208/3/60 | 31 | 45 | 540 | 600 | CARRIER | 50PEQ-06A2A5 | 1, 2 |
| RTU-4 | WEST | 4.0 | 1,600 | 1.0" | 0.781 | 37.8 | 49.9 | 80/67 | 14.3 | 11-13 | 46.0 / 23.0 | 8.2 | 1 | 208/3/60 | 26 | 30 | 460 | 480 | CARRIER | 50PEQ-05A2A5 | 1, 2 |
| RTU-5 | SOUTH | 5.0 | 1,950 | 1.0" | 0.881 | 45.3 | 60.3 | 80/67 | 14.3 | 14-3 | 56.5 / 30.0 | 8.2 | 1 | 208/3/60 | 31 | 45 | 600 | 600 | CARRIER | 50PEQ-06A2A5 | 1, 2 |

NOTES:
1. ELECTRIC HEAT-PUMP ROOFTOP UNIT. INSTALL ON EXISTING CURB. PROVIDE CURB ADAPTER IF REQUIRED.
2. PROVIDE HONEYWELL T-10 THERMOSTATS & REMOTE TEMPERATURE SENSORS IN LOCATIONS INDICATED ON PLANS. ALTERNATE MANUFACTURERS WILL NOT BE ACCEPTED WITH-OUT OWNER/CLIENT APPROVAL.
3. PROVIDE 6.5 KW ELECTRIC HEATER. SINGLE-POINT ELECTRICAL CONNECTION.

## NEW EXHAUST FAN SCHEDULE (EF-)

| TAG | SERVICE | CFM | S.P. | H.P. | R.P.M. | VOLTAGE | WEIGHT | MANUFACTURER | MODEL # | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| EF-1 | WEST TREATMENT ROOMS | 390 | .5" | 1/8 | 520 | 120/1/60 | 22 | COOK | 90CE50-4 | 1 |
| EF-2 | CENTER TREATMENT ROOMS | 575 | .5" | 1/8 | 470 | 120/1/60 | 24 | COOK | 110CE60 | 1 |
| EF-3 | LOCKER ROOMS | 360 | .5" | 1/8 | 1450 | 120/1/60 | 22 | COOK | 90CE50-4 | 1 |
| EF-4 | EAST TREATMENT ROOMS/BOH | 300 | .5" | 1/8 | 1425 | 120/1/60 | 22 | COOK | 90CE50-4 | 1 |

NOTES:
1. ROOF-MOUNTED DIRECT DRIVEN, DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR, SPUN ALUMINUM WITH CENTRIFUGAL BACKWARD INCLUDED FAN. UNIT SHALL BE INSTALLED ON INSULATED ROOF CURB WITH DISCONNECT MOUNTED BELOW UNIT COVER.

## NEW GRILLE, REGISTER, AND DIFFUSER SCHEDULE

| TAG | SERVICE | TYPE | NK SIZE | MATERIAL | OBD | MANUFACTURER | MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|
| S-1 | SUPPLY | PLAQUE SUPPLY DIFFUSER (24X24) | VARIES | ALUMINUM | NO | TITUS | OMNI-AA-NT | 1, 2 |
| S-2 | SUPPLY | DOUBLE DEFLECTION SUPPLY REGISTER | VARIES | STEEL | NO | TITUS | 300FL | 1 |
| S-3 | SUPPLY | PLENUM 2-SLOT DIFFUSER- 1-1/2" SLOTS | VARIES | STEEL | NO | TITUS | FL-10 | 1, 3 |
| R-1 | RETURN | REGISTER - (24X12 UNLESS NOTED OTHERWISE) | VARIES | STEEL | NO | TITUS | 350FL | 1 |
| R-2 | RETURN | PLENUM 2-SLOT DIFFUSER- 1-1/2" SLOTS | VARIES | STEEL | NO | TITUS | TRR-50 | 1, 3 |
| E-1 | EXHAUST | REGISTER | VARIES | STEEL | NO | TITUS | 350FL | 1 |

NOTES:
1. FURNISH AND INSTALL VOLUME DAMPER FOR AIR FLOW BALANCING PURPOSES IN EACH DUCT TAKE-OFF TO A DIFFUSER, REGISTER OR GRILLE.
2. PROVIDE DIRECTIONAL BLOW CHIPS DB, WHERE DIRECTIONAL ARROWS ARE SHOWN. APPLIES TO DIFFUSERS LOCATED IN CORNERS OF ROOM WHERE NO ARROWS ARE PRESENT. STANDARD 360° THROW SHALL BE PROVIDED. SEE SHEET M1.
3. PROVIDE WITH INSULATED PLENUM FACTORY-PROVIDED ACCESSORY.

## AIR BALANCE SCHEDULE

| EQUIP. | OUTSIDE AIR (CFM) | EXHAUST AIR (CFM) | DIFFERENTIAL |
|---|---|---|---|
| RTU-1 | 280 | | 280 |
| RTU-2 | 300 | | 300 |
| RTU-3 | 540 | | 540 |
| RTU-4 | 140 | | 140 |
| RTU-5 | 500 | | 500 |
| EF-1 | | 390 | -390 |
| EF-2 | | 575 | -575 |
| EF-3 | | 360 | -360 |
| EF-4 | | 300 | -300 |
| TOTAL | 1760 | 1625 | 135 |

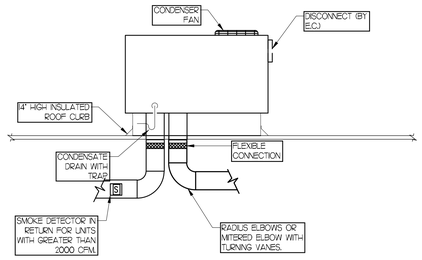
## IMC VENTILATION SCHEDULE

| ROOM NO. | ROOM NAME | FLOOR AREA (S.F.) | NO. OF PEOPLE / FIXTURES | CODE REQUIRED OUTSIDE AIRFLOW RATE: PEOPLE CFM/PER (Rp) | CODE REQUIRED OUTSIDE AIRFLOW RATE: AREA CFM (Ra) | CODE REQUIRED OUTSIDE AIRFLOW RATE: EXHAUST AIR CFM/SF | CODE REQUIRED VENTILATION: OUTSIDE AIR (Vbz) | CODE REQUIRED VENTILATION: OUTSIDE AIR (Voz) | CODE REQUIRED VENTILATION: EXHAUST AIR (CFM) | ACTUAL: SUPPLY | ACTUAL: EXHAUST | ACTUAL: (ZP) | ROOM FUNCTION | SYSTEM: SUPPLY | SYSTEM: EXH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | FRONT OF HOUSE | 374 | 2 | 5.0 | 0.06 | N.R. | 32 | 41 | 0 | 700 | 0 | 0.058 | LOBBY | RTU-4 | - |
| 101 | HALLWAY | 993 | 0 | 0.0 | 0.06 | N.R. | 60 | 74 | 0 | 1,115 | 0 | 0.067 | CORRIDOR | RTU-1,3,4,5 | - |
| 102 | TREATMENT | 111 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 200 | 70 | 0.333 | BEAUTY SALON | RTU-1 | EF-1 |
| 103 | TREATMENT | 111 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 200 | 70 | 0.333 | BEAUTY SALON | RTU-1 | EF-1 |
| 104 | DUET TREATMENT | 243 | 4 | 20.0 | 0.12 | 0.6 | 109 | 136 | 146 | 420 | 150 | 0.325 | BEAUTY SALON | RTU-1 | EF-1 |
| 105 | TREATMENT | 112 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 195 | 70 | 0.343 | BEAUTY SALON | RTU-3 | EF-2 |
| 106 | TREATMENT | 112 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 195 | 70 | 0.343 | BEAUTY SALON | RTU-3 | EF-2 |
| 107 | TREATMENT | 112 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 195 | 70 | 0.343 | BEAUTY SALON | RTU-3 | EF-2 |
| 108 | VIP ROOM | 138 | 2 | 20.0 | 0.12 | 0.6 | 57 | 71 | 83 | 220 | 85 | 0.321 | BEAUTY SALON | RTU-3 | EF-2 |
| 109 | TREATMENT | 112 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 195 | 70 | 0.343 | BEAUTY SALON | RTU-3 | EF-2 |
| 110 | TREATMENT | 112 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 195 | 70 | 0.343 | BEAUTY SALON | RTU-3 | EF-2 |
| 111 | TREATMENT | 112 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 195 | 70 | 0.343 | BEAUTY SALON | RTU-3 | EF-2 |
| 112 | TREATMENT | 112 | 2 | 20.0 | 0.12 | 0.6 | 53 | 67 | 67 | 195 | 70 | 0.343 | BEAUTY SALON | RTU-3 | EF-2 |
| 113 | TUB ROOM | 107 | 0 | 0.0 | 0.00 | 50/5H | 0 | 0 | 50 | 170 | 50 | 0.000 | SHOWER ROOM | RTU-1 | EF-4 |
| 114 | TREATMENT | 117 | 2 | 20.0 | 0.12 | 0.6 | 54 | 68 | 70 | 200 | 75 | 0.338 | BEAUTY SALON | RTU-2 | EF-4 |
| 115 | TREATMENT | 118 | 2 | 20.0 | 0.12 | 0.6 | 54 | 68 | 71 | 200 | 75 | 0.339 | BEAUTY SALON | RTU-2 | EF-4 |
| 116 | MEN'S LOCKER ROOM | 181 | 0 | 0.0 | 0.00 | 0.25 | 0 | 0 | 45 | 300 | 50 | 0.000 | LOCKER ROOM | RTU-2 | EF-3 |
| 117 | MEN'S SHOWER | 44 | 0 | 0.0 | 0.00 | 50/5H | 0 | 0 | 50 | 50 | 50 | 0.000 | SHOWER ROOM | RTU-2 | EF-3 |
| 118 | MEN'S RESTROOM | 47 | 0 | 0.0 | 0.00 | 50/WC | 0 | 0 | 50 | 50 | 50 | 0.000 | TOILET ROOM | RTU-2 | EF-3 |
| 119 | SAUNA | 105 | - | - | - | - | - | - | - | 300 | 0 | - | - | - | - |
| 120 | WOMEN'S LOCKER ROOM | 238 | 0 | 0.0 | 0.00 | 0.25 | 0 | 0 | 60 | 300 | 60 | 0.000 | LOCKER ROOM | RTU-5 | EF-3 |
| 121 | WOMEN'S RESTROOM | 31 | 0 | 0.0 | 0.00 | 50/WC | 0 | 0 | 50 | 50 | 50 | 0.000 | TOILET ROOM | RTU-5 | EF-3 |
| 122 | WOMEN'S ADA RESTROOM | 43 | 0 | 0.0 | 0.00 | 50/WC | 0 | 0 | 50 | 50 | 50 | 0.000 | TOILET ROOM | RTU-5 | EF-3 |
| 123 | WOMEN'S SHOWER | 45 | 0 | 0.0 | 0.00 | 50/5H | 0 | 0 | 50 | 100 | 50 | 0.000 | SHOWER ROOM | RTU-5 | EF-3 |
| 124 | QUIET ROOM | 420 | 5 | 5.0 | 0.06 | N.R. | 50 | 63 | 0 | 1,000 | 0 | 0.063 | BREAK ROOM | RTU-5 | - |
| 125 | FLEX/NAIL ROOM | 162 | 2 | 20.0 | 0.12 | 0.6 | 59 | 74 | 97 | 400 | 100 | 0.186 | BEAUTY SALON | RTU-4 | EF-1 |
| 126 | OFFICE | 144 | 2 | 5.0 | 0.06 | N.R. | 19 | 23 | 0 | 300 | 0 | 0.078 | OFFICE | RTU-4 | - |
| 127 | BACK OF HOUSE | 425 | 2 | 5.0 | 0.06 | N.R. | 36 | 44 | 0 | 500 | 50 | 0.089 | BREAK/PREP ROOM | RTU-1 | EF-4 |
| 128 | ADA RESTROOM | 52 | 0 | 0.0 | 0.00 | 50/WC | 0 | 0 | 50 | 60 | 50 | 0.000 | TOILET ROOM | RTU-1 | EF-4 |
| - | I.T. | 9 | 0 | 0.0 | 0.00 | 0 | 0 | 0 | 0 | 50 | 0 | 0.000 | STORAGE | RTU-1 | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | TOTALS | 5,042 | 41 | - | - | - | 1,010 | 1,263 | 1,525 | 8,300 | 1,625 | - | - | - | - |

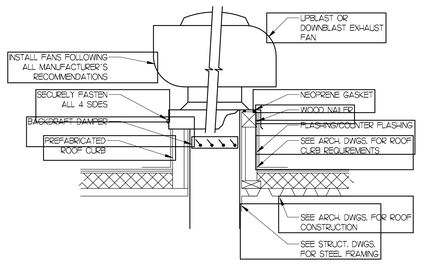
NOTES:
1. EVERY OCCUPIED SPACE SHALL BE VENTILATED BY MECHANICAL MEANS IN ACCORDANCE WITH SECTION 403 OF THE INTERNATIONAL MECHANICAL CODE.
2. ALL AREAS NOT NOTED IN THIS SCHEDULE ARE NOT IN THE MECHANICAL CONTRACT.

## DUCTWORK SYMBOL LIST

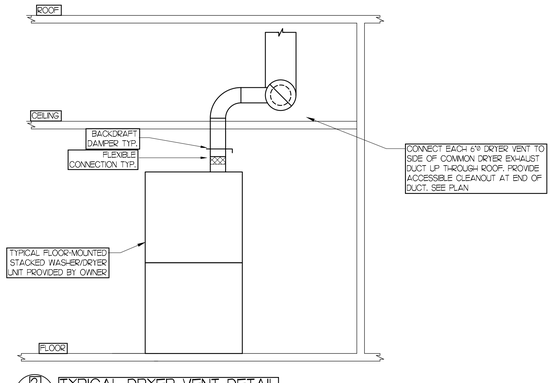
| | |
|---|---|
| 20/10 | DOUBLE LINE TO SINGLE LINE TRANSITION. FIRST NUMBER IN DIMENSION IS SIDE SHOWN. |
| | ROUND FLEXIBLE DUCT. DOUBLE LINE AND SINGLE LINE SHOWN. |
| R/A, S/A | SUPPLY AND RETURN AIR DUCT SECTIONS. ROUND AND RECTANGULAR. FIRST NUMBER IN DIMENSION IS SIDE ARROW POINTS TO. |
| UP, DOWN | 90 DEGREE SQUARE ELBOWS WITH TURNING VANES, UP AND DOWN. SUPPLY AND RETURN AIR DUCTS SHOWN. |
| | 90 DEGREE ROUND ELBOWS, UP AND DOWN. SUPPLY AND RETURN AIR DUCTS SHOWN. |
| EF | CEILING AND DUCT MOUNTED EXHAUST FANS. |
| | ROUND NECK SUPPLY AIR DIFFUSER WITH VOLUME DAMPER AT TAKE-OFF. |
| | ROUND NECK RETURN OR EXHAUST AIR DIFFUSER WITH VOLUME DAMPER AT TAKE-OFF. |
| | FLEXIBLE DUCT CONNECTION. |
| R, W | LONG RADIUS ELBOWS. R = W AS PER SMACNA, AND RECTANGULAR ELBOWS WITH TURNING VANES, CONSTRUCTED AS PER SMACNA. |
| VD | MANUAL VOLUME DAMPER. "VD" TEXT DESIGNATION MAY OR MAY NOT BE PRESENT. |
| T | THERMOSTAT |




1 M-2 ROOFTOP UNIT INSTALLATION DETAIL
NO SCALE




2 M-2 ROOF MOUNTED EXHAUST FAN DETAIL
NO SCALE




3 M-2 TYPICAL DRYER VENT DETAIL
NO SCALE

MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

CLIENT: WOODHOUSE™

PROJECT:
**WOODHOUSE SPAS - WILMINGTON, NC**
1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

SEAL
JOHN K. NEVILLE
040676
LICENSED PROFESSIONAL ENGINEER
OF
NORTH CAROLINA

LICENSE EXPIRES ON: 12-31-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT: DXU ARCHITECTS
CONSULTANTS: NEVILLE ENGINEERING SERVICE, INC.

CLIENT REVIEW

| No. | Issue | Date |
|---|---|---|
| | FOR PERMIT | 03-14-2025 |

Project Number: 25-009
Drawn By: RM / RT
Approved By: JKN

SHEET TITLE & NUMBER

MECHANICAL SCHEDULES & DETAILS

M-2

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ILLINOIS PROFESSIONAL DESIGN REGISTRATION: 184.006688 EXPIRES: 4/30/2023

PLOT DATE: 3/14/2025 4:13 PM PLOTTED BY: RYAN MCCARTHY

SPECIFICATIONS

SCOPE: THIS SPECIFICATION REQUIRES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO MAKE A COMPLETE AND ACCEPTABLE MECHANICAL INSTALLATION AS SPECIFIED HEREIN AND SHOWN ON DRAWINGS. PROVIDE ALL ITEMS, ARTICLES, OPERATIONS, OR METHODS LISTED, MENTIONED, OR SCHEDULED HEREIN OR ON THE DRAWINGS, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY AND REQUIRED FOR COMPLETION OF THE WORK.

REGULATIONS, CODES, AND STANDARDS: CURRENT CODE REQUIREMENTS SHALL BE SATISFIED. WHERE REQUIRED BY LOCAL, STATE, OR FEDERAL AUTHORITY HAVING JURISDICTION, NO EQUIPMENT WILL BE ACCEPTED UNLESS IT BEARS THE ACCEPTANCE LABEL OF AN APPROPRIATE TESTING AGENCY.

SHOP DRAWINGS: ASUBMIT TO THE PROJECT ENGINEER; FOR APPROVAL, SHOP DRAWINGS FOR ALL EQUIPMENT LISTED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE GENERAL CONDITIONS AND SUPPLEMENTARY CONDITIONS. ALLOW 10 BUSINESS DAYS FOR REVIEW BY ARCHITECT/ENGINEER. SUBMITTALS SHALL INCLUDE AS A MINIMUM THE FOLLOWING:

A. PRODUCT DATA: MANUFACTURER'S LITERATURE DESCRIBING ITEM, MODEL NUMBERS PROPOSED SHALL BE IDENTIFIED WHEN THE LITERATURE DESCRIBES MORE THAN 19 ITEM.
B. OPERATION CURVES: FOR ALL FANS SHOWING CAPACITIES, PRESSURES, HORSEPOWER, AND EFFICIENCY SHALL BE PROVIDED.
C. MANUFACTURER'S SUBMITTAL: SHOWING ELECTRICAL AND MECHANICAL REQUIREMENTS AND CONNECTION LOCATIONS SHALL BE PROVIDED.
D. MAINTENANCE DATA: SUBMIT MAINTENANCE DATA AND PARTS LIST FOR EACH TYPE OF EQUIPMENT REQUIRING PERIODIC MAINTENANCE.

ALL SHOP DRAWINGS SUBMITTED SHALL BE STAMPED, DATED, AND SIGNED BY THE CONTRACTOR TO CERTIFY THAT THEY HAVE BEEN CHECKED BY HIM AS TO CAPACITIES, DIMENSIONS, SPACE REQUIREMENTS AND LIMITATIONS, AND ANY AND ALL OTHER REQUIREMENTS, AND FOUND ACCEPTABLE. APPROVAL OF SHOP DRAWINGS BY THE PROJECT ENGINEER SHALL NOT RELIEVE CONTRACTOR FROM FULFILLING OPERATIONAL REQUIREMENTS, OR FURNISHING ALL MATERIAL AND EQUIPMENT SPECIFIED OR NOTED, WHETHER OR NOT SPECIFICALLY SHOWN ON THE SHOP DRAWINGS. THE QUANTITY TO BE SUBMITTED SHALL BE THE NUMBER REQUIRED BY THE GENERAL CONTRACTOR.

AS-BUILT DRAWINGS: THE CONTRACTOR SHALL SUBMIT AT COMPLETION ONE (1) SET OF MARKED-UP CONTRACT DRAWINGS WHICH SHOW ALL MODIFICATIONS TO THE CONTRACT AND CHANGES OF LOCATIONS, MATERIALS, OR CONFIGURATIONS. THIS SET SHALL BE SUBMITTED WITH THE OPERATING MANUALS TO THE PROJECT ENGINEER.

OPERATING MANUALS: PROVIDE THREE (3) MANUALS, EACH WITH A COMPLETE SET OF COPIES OF SHOP DRAWINGS REQUIRED FOR THE PROJECT AS WELL AS VALVE CHARTS, MANUFACTURER'S TESTING, CLEANING AND MAINTENANCE INSTRUCTIONS, LIST OF MATERIALS FOR MAINTENANCE, PARTS LIST, WIRING DIAGRAMS, AND NAME AND ADDRESS OF AUTHORIZED SERVICE ORGANIZATIONS AND SUPPLIERS. INFORMATION SHALL BE BOUND IN 8½"X11" THREE-RING, LOOSE-LEAF BINDER, AND INDEXED IN ACCORDANCE WITH THESE SPECIFICATIONS. BINDER COVER SHALL IDENTIFY JOB NAME, DATE, AND NAME AND ADDRESS OF CONTRACTOR, ARCHITECT, AND ENGINEER. MANUALS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW OF MATERIAL PRIOR TO THE FINAL INSPECTION. MANUALS WILL BE RETURNED TO THE CONTRACTOR FOR THE SUBMITTAL TO THE OWNER AT THE TIME OF SYSTEM INSTRUCTION.

SYSTEM START-UP: AT A TIME SET BY THE CONTRACTOR AND AGREED TO BY THE OWNER, ARRANGE TO PLACE EQUIPMENT IN OPERATION. HAVE A FACTORY AUTHORIZED TECHNICIAN ASSIST IN THE EQUIPMENT START-UP AND MAKE NECESSARY ADJUSTMENTS TO PROVE SATISFACTORY OPERATION PRIOR TO TURNING FACILITY OVER TO OWNER. ALL EQUIPMENT SHALL BE RUN FOR THREE 8-HOUR TEST PERIODS. ANY IRREGULARITIES, FAULTY EQUIPMENT, ETC., SHALL BE REPAIRED OR REPLACED PRIOR TO FINAL INSPECTION AND ACCEPTANCE. AFTER TESTING, ALL EQUIPMENT SHALL BE FRESH-LY OILED, FILTERS REPLACED WITH CLEAN MEDIA, AND INSTALLATION COMPLETELY FINISHED PRIOR TO ACCEPTANCE.

OWNER INSTRUCTION: CONTRACTOR SHALL ARRANGE, IN WRITING, WITH THE OWNER, PRIOR TO FINAL INSPECTION, A DATE OR DATES TO INSTRUCT THE OWNER, AND THE OWNER'S DESIGNATED REPRESENTATIVES, IN THE OPERATION AND MAINTENANCE OF THE SYSTEM.

FINAL INSPECTION: UPON COMPLETION OF ALL WORK, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE FOLLOWING DATA:

1. BALANCE REPORTS
2. MAINTENANCE MANUALS

AFTER RECEIVING APPROVAL OF THE ABOVE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING AND MAKE ARRANGEMENTS FOR A FINAL INSPECTION. AFTER THE FINAL INSPECTION IS MADE, THE CONTRACTOR WILL RECEIVE A LIST OF ITEMS REQUIRING ADJUSTMENT, CORRECTION, REPLACEMENT, OR COMPLETION. THE CONTRACTOR SHALL COMPLY COMPLETELY WITH ALL THE LISTED REQUIREMENTS WITHIN THIRTY (30) DAYS OF THE RECEIPT OF LIST. SHOULD THE CONTRACTOR FAIL TO PERFORM WITHIN THIS TIME LIMIT, THE PROJECT ENGINEER AND/OR OWNER RESERVES THE RIGHT TO HAVE THE WORK COMPLETED BY OTHERS AND THE COST DEDUCTED FROM THE CONTRACT PRICE.

DISPOSAL: ALL MATERIALS AND EQUIPMENT SHOWN, OR INDICATED TO BE REMOVED AND NOT REINSTALLED OR RELOCATED, SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE OWNER'S PROPERTY UNLESS SPECIFIED TO THE CONTRARY.

GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS SUPPLIED BY HIM FOR ONE (1) YEAR AFTER ACCEPTANCE OF THE WORK IN HIS CONTRACT. IF, DURING THE GUARANTEE PERIOD, ANY DEFECTS OF FAULTY MATERIALS ARE FOUND, HE SHALL CORRECT IMMEDIATELY AND REPAIR ANY DAMAGE TO OTHER MATERIALS OR INSTALLATIONS CAUSED BY THE DEFECT.

EXTENDED WARRANTIES: WHEN EQUIPMENT IS FURNISHED BY THE CONTRACTOR, OR MANUFACTURER, WITH A WARRANTY LONGER THAN ONE (1) YEAR, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COPY ALONG WITH RECEIPTS OR OTHER DOCUMENTS NECESSARY FOR FUTURE WARRANTY REPAIRS. UNLESS OTHERWISE REQUIRED, EXTENDED WARRANTIES ARE FOR EQUIPMENT ONLY. NOT MATERIALS OR LABOR TO INSTALL.

MATERIALS AND EQUIPMENT: ALL EQUIPMENT AND MATERIALS TO BE INCORPORATED IN THIS CONTRACT WORK SHALL BE NEW AND OF THE MAKES AND TYPES AS SPECIFIED AND CONTRACTED FOR. NO REMOVED EQUIPMENT SHALL BE RE-INSTALLED OR RE-USED.

PROPOSED EQUIPMENT AND MATERIALS: THIS CONTRACTOR SHALL SUBMIT A COMPLETE LIST OF PROPOSED EQUIPMENT AND MATERIALS, DESIGNATING MANUFACTURER'S NAME AND MODEL NUMBER OR TYPE, FOR PROJECT ENGINEER'S APPROVAL. CONTRACTOR SHALL MAKE SUCH SUBMITTAL WITHIN 15 DAYS AFTER NOTICE TO PROCEED AND BEFORE ORDERING ANY MATERIAL OR EQUIPMENT. APPROVAL OF SUCH A LIST SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM RESPONSIBILITY OF SUBMITTING SHOP DRAWINGS, NOR SHALL IT CONSTITUTE FINAL APPROVAL. SHOULD THE SHOP DRAWINGS BE FOUND TO BE PARTIALLY OR WHOLLY NOT IN FULL AGREEMENT WITH SPECIFICATION REQUIREMENTS.

MECHANICAL SIGNS AND LABELS: WHERE SPECIFIED, THESE SHALL BE ⅛" THICK PLASTIC LAMINATE WITH ENGRAVED LETTERING AND ADHESIVE BACKING. ADDITIONALLY THEY SHALL BE PUNCHED FOR MECHANICAL FASTENERS, UNLESS OTHERWISE SPECIFIED. COLOR SHALL BE BLACK WITH WHITE LETTERING.

INSTALLATION: INSTALLATION OF ALL MATERIAL ITEMS OR EQUIPMENT AS SHOWN ON DRAWINGS OR DESCRIBED IN SPECIFICATIONS SHALL CONFORM AS NEARLY AS POSSIBLE TO MANUFACTURER'S RECOMMENDED PROCEDURE, UNLESS DESIGNATED OTHERWISE. SHOULD SELECTION OF APPROVED ALTERNATE EQUIPMENT REQUIRE REVISIONS, THIS CONTRACTOR SHALL MAKE ALL CHANGES TO ACCOMMODATE SUCH EQUIPMENT. CONTRACTOR SHALL PREPARE DRAWINGS OF REVISIONS FOR APPROVAL BY PROJECT ENGINEER PRIOR TO BEGINNING WORK. CHANGES AND DRAWINGS SHALL BE MADE AT NO CHANGE IN CONTRACT AMOUNT.

REGULATIONS, CODES AND STANDARDS: THIS CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES AND PAY ALL FEES IN CONNECTION WITH SAME FOR WORK PERFORMED UNDER DIVISION 15.

IDENTIFICATION: ACCESS PANELS SHALL HAVE ENGRAVED PLASTIC MARKERS INDICATING WHAT ACCESS DOOR IS PROVIDED FOR. PIPING SHALL HAVE MARKERS NEAR EACH BRANCH VALVE AND PIECE OF EQUIPMENT AND WHERE PIPE PASSES THROUGH WALLS, FLOORS, AND CEILINGS. SPACE MARKERS AT A MAXIMUM 25' INTERVALS.

OPENINGS, CHASES AND RECESSES: THIS CONTRACTOR SHALL GIVE GENERAL CONTRACTOR, IN SUFFICIENT TIME, ALL DIMENSIONS NEEDED FOR THE PROPER CONSTRUCTION AND LOCATION OF FORMS, CHASES AND OTHER OPENINGS WHICH MAY BE REQUIRED FOR THE INSTALLATION OF ALL EQUIPMENT, PIPE, DUCTS AND MATERIALS UNDER THIS CONTRACT.

PROTECTION OF EQUIPMENT: PROTECT AGAINST INJURY FROM WEATHER ALL BUILDING MATERIALS, SUPPLIES, TOOLS, EQUIPMENT, AND FIXTURES INSTALLED OR TO BE INSTALLED, WITH SUITABLE AND SUBSTANTIAL COVERS. COST OF REPLACING OR REPAIRING EQUIPMENT AND FIXTURES MADE NECESSARY BY FAILURE TO PROVIDE SUITABLE PROTECTION SHALL BE PAID BY THIS CONTRACTOR. RESPONSIBILITY FOR THE CARE AND PROTECTION OF MECHANICAL EQUIPMENT AND WORK SHALL REMAIN WITH THIS CONTRACTOR UNTIL IT HAS BEEN TESTED AND ACCEPTED. PROTECT EQUIPMENT OUTLETS, PIPE, DUCT, AND CONDUIT OPENINGS WITH TEMPORARY PLUGS, CAPS, OR APPROVED DEVICES.

PROTECT DEVICES: ALL GEARS, BELTS, AND MOVING PARTS ARE TO BE AMPLY PROTECTED BY SUBSTANTIAL, NEAT, AND APPROVED PERMANENT GUARDS. CASINGS, OR RAILINGS AS THE CASE MAY REQUIRE AND IN SUCH MANNER AS TO FULLY COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

CLEANING: AFTER ALL FIXTURES, MATERIALS, AND APPARATUS HAVE BEEN SET AND READY FOR USE, AND BEFORE THIS CONTRACTOR LEAVES THE JOB, HE SHALL THOROUGHLY CLEAN ALL EQUIPMENT FURNISHED AND SET BY HIM REMOVING ALL STICKERS, RUST STAINS, GREASE, CEMENT, AND OTHER FOREIGN MATTER OR DISCOLORATION ON EQUIPMENT, LEAVING EVERY PART IN ACCEPTABLE CONDITION, READY FOR USE. CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM HIS WORK, LEAVING BUILDING IN CLEAN CONDITION, SUITABLE FOR OCCUPANCY. VACUUM CLEAN INTERIOR OF ALL AIR HANDLING UNITS BEFORE COMPLETION AND PROVIDE NEW FILTERS JUST BEFORE TURNING OVER TO OWNER.

ACTIVE UTILITIES: WHEN ENCOUNTERED IN WORK, PROTECT, BRACE, AND SUPPORT EXISTING ACTIVE SEWERS, GAS, ELECTRIC, AND OTHER SERVICES WHERE REQUIRED FOR PROPER EXECUTION OF WORK. IF EXISTING ACTIVE UTILITIES ARE ENCOUNTERED THAT ARE NOT INDICATED, AND WHICH REQUIRE RELOCATION, MAKE REQUEST IN WRITING FOR DETERMINATION. DO NOT PROCEED WITH WORK UNTIL WRITTEN DIRECTIONS ARE RECEIVED. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES THAT ARE TO REMAIN.

INACTIVE UTILITIES: WHEN ENCOUNTERED IN WORK, REMOVE, CAP, OR PLUG INACTIVE SERVICES. NOTIFY UTILITY COMPANIES OR MUNICIPAL AGENCIES HAVING JURISDICTION, PROTECT OR REMOVE THESE SERVICES AS DIRECTED.

INTERRUPTION OF UTILITIES: WHERE WORK MAKES TEMPORARY SHUTDOWN OF SERVICES UNAVOIDABLE, SHUT DOWN AT NIGHT, OR AT SUCH TIMES AS APPROVED BY OWNER, WHICH WILL CAUSE LEAST INTERFERENCE WITH ESTABLISHED OPERATING ROUTINE. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVERTIME IF REQUIRED, SO AS TO MAKE THE SHUTDOWN OF SERVICES THE LEAST AMOUNT OF TIME.

PACKAGE ROOFTOP UNITS: PROVIDE FACTORY-FABRICATED AND FACTORY-TESTED AIR HANDLING UNITS AS INDICATED, OF SIZES AND CAPACITIES AS SCHEDULED. CASING SHALL BE CONSTRUCTED OF 16-GA MINIMUM MILL GALVANIZED OR BONDERIZED STEEL DESIGNED TO WITHSTAND SPECIFIED OPERATING PRESSURES. PROVIDE CASING PANELS AND/OR ACCESS DOORS THAT ARE EASILY AND QUICKLY REMOVABLE FOR INSPECTION AND ACCESS TO INTERNAL PARTS. PROVIDE SINGLE ZONE UNITS CONSISTING OF FAN SECTION, INDIRECT FIRED LP GAS FIRED HEAT EXCHANGER, DX COIL SECTION, FILTER SECTION, ADJUSTABLE FAN MOTOR MOUNTING, AND DRAIN PAN. PROVIDE DRAIN PAN CONNECTIONS FOR EVAPORATOR COIL SECTION. PROVIDE TRAP CONNECTION ON EACH SIDE AT LOW POINTS. INSULATE UNIT CASING FROM AIR ENTRANCE TO COILS, TO AIR OUTLET FROM UNIT. INSULATION SHALL HAVE FIRE-RETARDING CHARACTERISTICS COMPLYING WITH NFPA 90A. PROVIDE HIGH EFFICIENCY MOTOR AND ONE SPARE SET OF BELTS AND FILTERS. UNITS SHALL COMPLY WITH AIR 430, NFPA 90A, UL, AND AMICA STANDARDS.

APPROVED MANUFACTURERS ARE CARRIER, TRANE, LENNOX, YORK.

EXHAUST FANS: PROVIDE STANDARD PREFABRICATED INLINE EXHAUST FANS OF TYPE AND SIZE INDICATED, MODIFIED AS NECESSARY TO COMPLY WITH REQUIREMENTS AND AS REQUIRED TO COMPLETE INSTALLATION. PROVIDE FACTORY-WIRED NON-FUSABLE TYPE DISCONNECT SWITCH AND THERMAL OVERLOAD PROTECTION.

APPROVED MANUFACTURERS ARE GREEN-BECK, LOREN COOK, PENN VENTILATOR, TWIN CITY FANS, AND ACME.

ROOF-MOUNTED CENTRIFUGAL ROOF EXHAUST FANS: FAN SHALL BE SPUN ALUMINUM, ROOF MOUNTED, DIRECT DRIVEN, DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR. FAN SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL 705). FAN SHALL BEAR THE AMCA CERTIFIED RATINGS SEAL FOR SOUND AND AIR PERFORMANCE. FAN SHALL BE OF BOLTED AND WELDED CONSTRUCTION UTILIZING CORROSION RESISTANT FASTENERS. THE SPUN ALUMINUM STRUCTURAL COMPONENTS SHALL BE CONSTRUCTED OF MINIMUM 16 GAUGE MARINE ALLOY ALUMINUM, BOLTED TO A RIGID ALUMINUM SUPPORT STRUCTURE. WHEEL SHALL BE CENTRIFUGAL BACKWARD INCLINED, CONSTRUCTED OF 1001 ALUMINUM, INCLUDING A PRECISION MACHINED CAST ALUMINUM HUB. MOTOR SHALL BE NEMA DESIGN B WITH A MINIMUM OF CLASS B INSULATION RATED FOR CONTINUOUS DUTY AND FURNISHED AT THE SPECIFIED VOLTAGE, PHASE, AND ENCLOSURE. APPROVED MANUFACTURERS ARE GREEN-BECK, LOREN COOK, PENN VENTILATOR, AND ACME. ROOF CURB SHALL BE MINIMUM 14" HIGH ONE PIECE CURB TO MATCH ROOF PITCH WITH 1" INSULATION.

AIR DISTRIBUTION: PROVIDE AND INSTALL ALL RIGID DUCTWORK AS SHOWN ON THE DRAWINGS AND AS HEREIN SPECIFIED. CONSTRUCT DUCTWORK AND APPARATUS CASINGS OF GALVANIZED STEEL CONFORMING TO SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS 2007. CONSTRUCT DIVIDED FLOW FITTINGS WITH SADDLE TAP WELDED TO DUCT FITTING BODY. ALL CONNECTIONS SHALL BE BELL-MOUTHED AND SMOOTH WITH LONG RADIUS BENDS.

INSULATED FLEXIBLE DUCT SHALL BE INSULATED, SOUND ATTENUATING, LOW VELOCITY TYPE, AND SHALL COMPLY WITH NFPA 90A AND 90B, AND BE UL 181 CLASS LABELED. DUCT SHALL BE FACTORY FORMED COMPOSED OF A SPIRAL WOUND, CORROSION RESISTANT WIRE BONDED TO AN INNER FABRIC LINER, INSULATED WITH FIBERGLASS WITH A C FACTOR OF 0.23 OR LESS, AND WITH AN OUTER VAPOR BARRIER OF FIBERGLASS REINFORCED METALIZED FILM. OUTER VAPOR BARRIER CONSTRUCTED OF POLYETHYLENE IS NOT ACCEPTABLE. THE DUCT SHALL BE RATED FOR 6" OF POSITIVE PRESSURE AND SHALL NOT EXCEED 6' IN LENGTH.

PROVIDE MANUAL, SINGLE, OR MULTI-BLADE BALANCING DAMPERS AS INDICATED CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS. DAMPERS SHALL HAVE A PROTECTIVE COAT OF RED ZINC CHROMATE PRIMER OVER A BOND COAT.

PROVIDE MANUFACTURED TURNING VANES IN ALL ELBOWS CONSTRUCTED OF ½" WIDE CURVED BLADES SET AT ¾" O.C., SUPPORTED WITH BARS PERPENDICULAR TO BLADES SET AT 2" O.C. AND SET INTO SIDE STRIPS SUITABLE FOR MOUNTING IN DUCTWORK.

PROVIDE FLEXIBLE DUCT CONNECTIONS WHEREVER DUCTWORK CONNECTS TO VIBRATION ISOLATED EQUIPMENT AND WHERE SHOWN OR NOTED. CONSTRUCT FLEXIBLE CONNECTIONS OF NEOPRENE-COATED FLAMEPROOF FABRIC CRIMPED INTO DUCT FLANGES FOR ATTACHMENT TO DUCT AND EQUIPMENT. PROVIDE ADEQUATE JOINT FLEXIBILITY TO ALLOW FOR THERMAL, AXIAL, TRANSVERSE, AND TORSIONAL MOVEMENT, AND ALSO CAPABLE OF ABSORBING VIBRATIONS OF CONNECTED EQUIPMENT.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MISCELLANEOUS ITEMS NECESSARY TO PROVIDE A COMPLETE AND PROPER INSTALLATION IN THE TYPES OF WALLS AND CEILINGS USED IN THE PROJECT AS SHOWN IN THE GENERAL CONSTRUCTION PLANS.

PROVIDE MANUFACTURER'S STANDARD CEILING AIR DIFFUSERS AND GRILLES WHERE SHOWN, OF SIZE, SHAPE, CAPACITY, AND TYPE INDICATED, CONSTRUCTED OF MATERIALS AND COMPONENTS AS INDICATED, AND AS REQUIRED FOR COMPLETE INSTALLATION. PROVIDE DIFFUSERS AND GRILLES WITH BORDER STYLES THAT ARE COMPATIBLE WITH ADJACENT CEILING SYSTEMS, AND THAT ARE SPECIFICALLY MANUFACTURED TO FIT INTO THE CEILING MODULE WITH ACCURATE FIT AND ADEQUATE SUPPORT.

DRYER EXHAUST DUCTS FOR CLOTHES DRYERS

DRYER EXHAUST DUCTS FOR CLOTHES DRYERS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AND SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER. SCREENS SHALL NOT BE INSTALLED AT THE DUCT TERMINATION. DUCTS SHALL NOT BE CONNECTED OR INSTALLED WITH SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE EXHAUST FLOW. CLOTHES DRYER EXHAUST DUCTS SHALL NOT BE CONNECTED TO A VENT CONNECTOR, VENT OR CHIMNEY. CLOTHES DRYER EXHAUST DUCTS SHALL NOT EXTEND INTO OR THROUGH DUCTS OR PLENUMS. CLOTHES DRYER EXHAUST DUCTS SHALL BE SEALED IN ACCORDANCE WITH SECTION 603.9 OF IMC.

EXHAUST TERMINATION OUTLET AND PASSAGEWAY SIZE OF DRYER EXHAUST DUCT TERMINALS SHALL BE UNDIMINISHED IN SIZE AND SHALL PROVIDE AN OPEN AREA OF NOT LESS THAT 12.5 SQUARE INCHES.

WHERE A CLOTHES DRYER EXHAUST DUCT PENETRATES A WALL OR CEILING MEMBRANE THE ANNULAR SPACE SHALL BE SEALED WITH NONCOMBUSTIBLE MATERIAL, APPROVED FIRE CAULKING OR A NONCOMBUSTIBLE DRYER EXHAUST DUCT WALL RECEPTACLE. DUCTS THAT EXHAUST CLOTHES DRYERS SHALL NOT PENETRATE OR BE LOCATED WITHIN ANY FIREBLOCKING, DRAFTSTOPPING OR ANY WALL, FLOOR/CEILING OR OTHER ASSEMBLY REQUIRED BY THE INTERNATIONAL BUILDING CODE TO BE FIRE-RESISTANCE RATED, UNLESS SUCH DUCT IS CONSTRUCTED OF GALVANIZED STEEL OR ALUMINUM OF THE THICKNESS SPECIFIED IN SECTION 603.4 OF THE IMC AND THE FIRE-RESISTANCE RATING IS MAINTAINED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. FIRE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS AND ANY SIMILAR DEVICES THAT WILL OBSTRUCT THE EXHAUST FLOW SHALL BE PROHIBITED IN CLOTHES DRYER EXHAUST DUCTS.

EACH VERTICAL RISER SHALL BE PROVIDED WITH A MEANS OF CLEANOUT.

DUCT INSULATION AND ACOUSTICAL LINING:

FURNISH AND INSTALL INSULATION AND/OR LINING WHERE SHOWN ON PLANS OR SPECIFIED BELOW. ALL DUCT SIZES NOTED ON DRAWINGS ARE AIRWAY SIZES WITH-OUT SOUND LINING INCLUDED). ADJUST SHEET METAL SIZES ACCORDINGLY. INSULATION PRODUCTS SHALL BE MANUFACTURED BY ONE OF THE FOLLOWING MANUFACTURERS:

1. MANVILLE CORP.
2. OWENS-CORNING FIBERGLASS CORP.
3. CERTAIN-TEED CORP.
4. KNAUF

A. DUCT SOUND LINING:

1. RECTANGULAR SUPPLY, EXHAUST/RETURN AND RELIEF AIR DUCTS: 1" FLEXIBLE GLASS FIBER TYPE, 1.5 PCF DENSITY, SURFACES EXPOSED TO AIR STREAM SHALL BE COATED TO PREVENT EROSION OF GLASS FIBERS.
2. DUCT LINER SHALL HAVE A MAXIMUM FLAME-SPREAD INDEX OF 25 AND SMOKE-DEVELOPED INDEX OF 50 WHEN TESTED ACCORDING TO ASTM E 84, MEET THE REQUIREMENTS OF NFPA 90A, AND SHALL BE LABELED BY UL.
3. ALL DUCTWORK DIMENSIONS SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS.

B. DUCT INSULATION:

1. ALL CONCEALED SUPPLY DUCTWORK NOT SOUND LINED AND RUN-OUTS TO AIR DIFFUSERS: 1½" FLEXIBLE GLASS FIBER WITH ALL SERVICE VAPOR BARRIER JACKET, MINIMUM 0.75 PCF DENSITY.
2. ALL INTERIOR EXHAUST AIR DUCTWORK BETWEEN BACKDRAFT DAMPER AND DISCHARGE OF BUILDING: 1½" FLEXIBLE GLASS FIBER WITH ALL SERVICE VAPOR BARRIER JACKET, MINIMUM 0.75 PCF DENSITY.
3. ALL RETURN DUCTWORK NOT LINED: 1½" FLEXIBLE GLASS FIBER DUCT WRAP WITH ALL SERVICE VAPOR BARRIER JACKET, MINIMUM 0.75 PCF DENSITY.
4. SUPPLY AIR, RETURN AIR, MIXED AIR, EXHAUST AIR AND OUTSIDE AIR PLENUMS: 2" SEMI-RIGID GLASS FIBER, 3 LBS. PER CU.FT. DENSITY WITH ALL SERVICE VAPOR BARRIER JACKET.
5. INSULATED FLEXIBLE DUCT: UL 181, CLASS 1, 2-PLY VINYL FILM, BLACK POLYMER FILM, MULTIPLE LAYERS OF ALUMINUM LAMINATE, OR ALUMINUM LAMINATE AND POLYESTER FILM WITH LATEX ADHESIVE, SUPPORTED BY HELICALLY WOUND, SPRING-STEEL WIRE; FIBROUS-GLASS INSULATION; POLYETHYLENE OR ALUMINIZED VAPOR BARRIER FILM. ALL SUPPLY AND RETURN AIR DUCTWORK CONNECTIONS TO EACH AIR SUPPLY OUTLET AND RETURN INLET: 5' LENGTH MAXIMUM LENGTH, AND NOT PENETRATE WALLS, FLOORS, OR CEILINGS.

TEST AND BALANCE

TEST AND ADJUST ALL MECHANICAL SYSTEMS AND EQUIPMENT TO ASSURE PROPER BALANCE AND OPERATION. PERFORM TESTS IN ACCORDANCE WITH NEBB OR AABC, AND ASHRAE STANDARDS. SUBMIT COMPLETED TEST AND BALANCE REPORT TO OWNER'S REPRESENTATIVE. BALANCE CONTRACTOR SHALL BE AN INDEPENDENT CERTIFIED TEST AND BALANCE CONTRACTOR WITH NEBB OR AABC CERTIFICATION. BALANCE ALL SYSTEMS TO WITHIN 5% OF AIRFLOWS INDICATED ON DRAWINGS, AND REPORT ALL DISCREPANCIES TO HVAC INSTALLER FOR CORRECTION. MARK FINAL BALANCE POSITIONS ON DAMPERS WITH PERMANENT MARKER.

ENERGY CODE

ALL MECHANICAL SYSTEMS TO MEET THE REQUIREMENTS OF THE 2021 IECC.

DEMAND CONTROL VENTILATION PROVIDED FOR SPACES GREATER THAN 500 S.F. AND GREATER THAN 15 PEOPLE PER 1,000 S.F. OCCUPANT DENSITY AND SERVED BY SYSTEMS WITH AIR SIDE ECONOMIZER, AUTO MODULATING OUTSIDE AIR DAMPER CONTROL, OR DESIGN AIRFLOW GREATER THAN 3,000 CFM.

SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH A MINIMUM OF R-12 INSULATION.

LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS OF SUPPLY AND RETURN DUCTS OPERATING AT A STATIC PRESSURE LESS THAN OR EQUAL TO 2 INCHES WATER GUAGE SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS OR TAPES INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.

PROVIDE BALANCING DAMPERS AT EACH BRANCH DUCT.

PROVIDE OEM INSTRUCTIONS FOR SYSTEMS AND EQUIPMENT TO THE BUILDING OWNER OR DESIGNATED REPRESENTATIVE. MANUALS TO BE PROVIDED WITHIN 90 DAYS OF SYSTEM ACCEPTANCE.

HVAC SYSTEMS AND EQUIPMENT CAPACITY DOES NOT EXCEED CALCULATED LOADS.

HEATING AND COOLING TO EACH ZONE IS CONTROLLED BY A THERMOSTAT CONTROL. MINIMUM ONE HUMIDITY CONTROL DEVICE PER INSTALL HUMIDIFICATION/DEHUMIDIFICATION SYSTEM. THERMOSTATIC CONTROLS TO HAVE A 5F DEADBAND. WHERE A ZONE HAS A SEPARATE HEATING AND A SEPARATE COOLING THERMOSTATIC CONTROL LOCATED WITHIN THE ZONE, A LIMIT SWITCH, MECHANICAL STOP OR DIRECT DIGITAL CONTROL SYSTEM WITH SOFTWARE PROGRAMMING SHALL BE PROVIDED WITH THE CAPABILITY TO PREVENT THE HEATING SET POINT FROM EXCEEDING THE COOLING SET POINT AND TO MAINTAIN A DEADBAND. EACH ZONE SHALL BE PROVIDED WITH THERMOSTATIC SETBACK CONTROLS THAT ARE CONTROLLED BY EITHER AN AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROL SYSTEM. AUTOMATIC START CONTROLS SHALL BE PROVIDED FOR EACH HVAC SYSTEM. THE CONTROLS SHALL BE CAPABLE OF AUTOMATICALLY ADJUSTING THE DAILY START TIME OF THE HVAC SYSTEM IN ORDER TO BRING EACH SPACE TO THE DESIRED OCCUPIED TEMPERATURE IMMEDIATELY PRIOR TO SCHEDULED OCCUPANCY.

SYSTEM COMMISSIONING: PRIOR TO FINAL INSPECTION, CONTRACTOR MUST PROVIDE A SYSTEM COMMISSIONING REPORT.

MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

WOODHOUSE™

CLIENT

PROJECT

**WOODHOUSE SPAS - WILMINGTON, NC**
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WILMINGTON, NC 28105

SEAL

JOHN K. NEVILLE
040676
LICENSED PROFESSIONAL ENGINEER
OF
NORTH CAROLINA

LICENSE EXPIRES ON: 12-31-2025
DATE OF SIGNATURE: 03-14-2025

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CLIENT REVIEW

| No. | Issue | Date |
|---|---|---|
| | FOR PERMIT | 03-14-2025 |

Project Number: 25-009
Drawn By: RM / RT
Approved By: JKN

SHEET TITLE & NUMBER

MECHANICAL SPECIFICATIONS

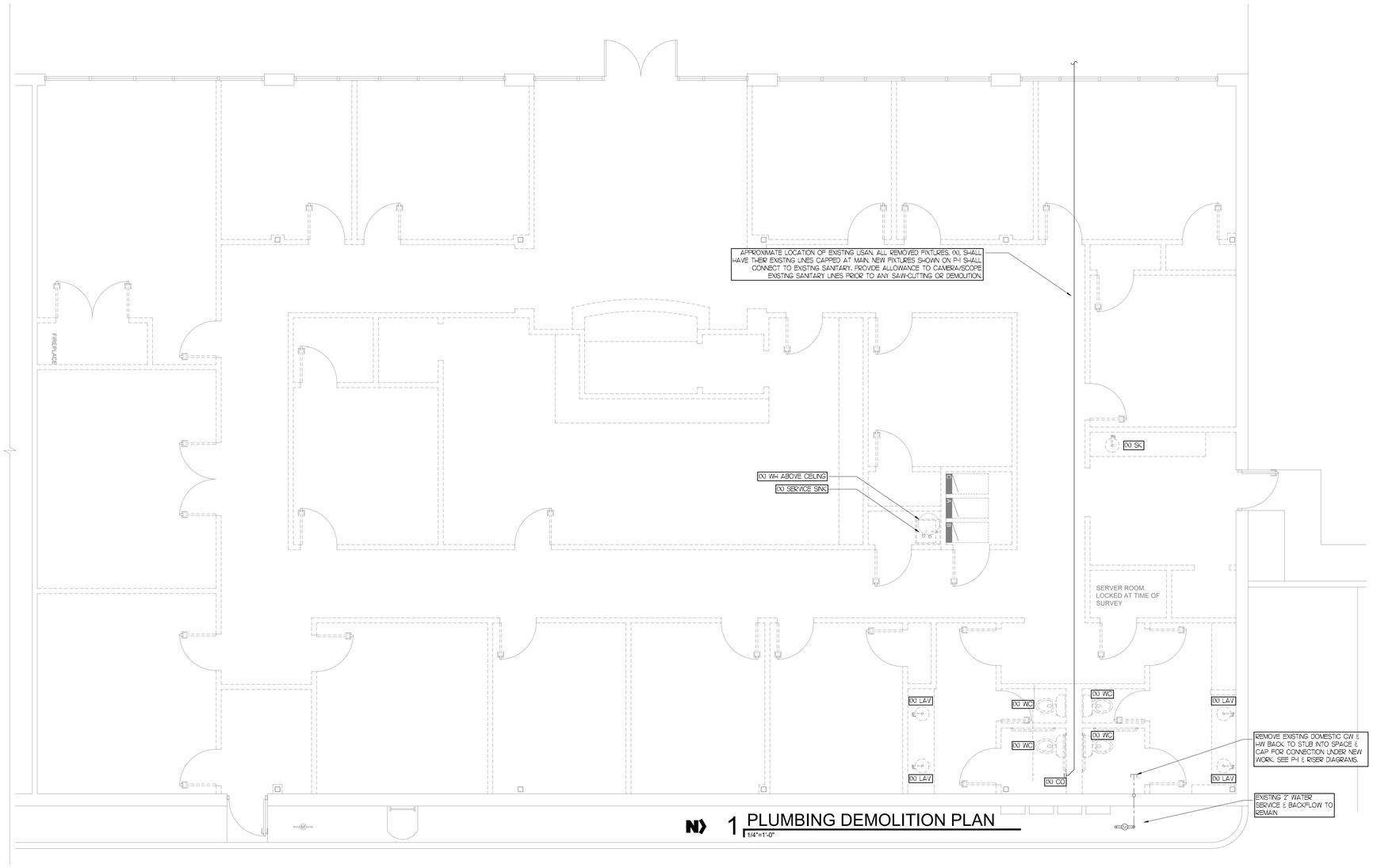
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1 PLUMBING DEMOLITION PLAN
1/4"=1'-0"

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JOHN K. NEVILLE
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LICENSE EXPIRES ON: 12-31-2025
DATE OF SIGNATURE: 03-14-2025

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| No. | Issue | Date |
|---|---|---|
| | FOR PERMIT | 03-14-2025 |

Project Number: 25-030
Drawn By: RM / RT
Approved By: JKN

SHEET TITLE & NUMBER

PLUMBING DEMOLITION PLAN

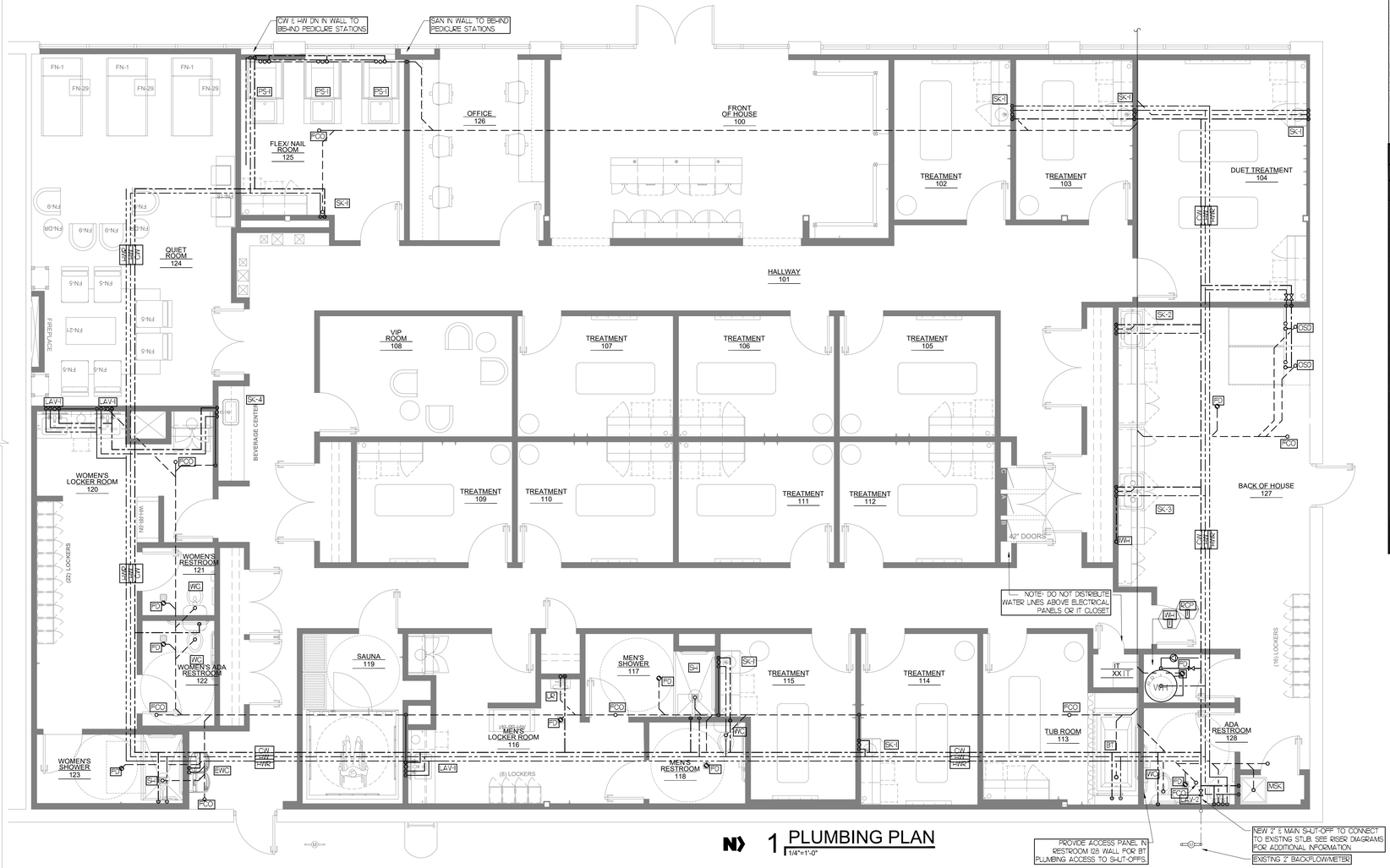
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1 PLUMBING PLAN
1/4"=1'-0"

## PLUMBING GENERAL NOTES

1. CODES

THE WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, MUNICIPAL, AND NATIONAL CODES. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS THE CONSTRUCTION DOCUMENTS SHALL GOVERN. HOWEVER, THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE AND CODE OR REGULATION.

2. DRAWINGS AND SPECIFICATIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR READING AND COMPLYING WITH BOTH THE DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN THE DRAWINGS, NOTES, SPECIFICATIONS, OR CODES, THE REFERENCE WHICH PROVIDES THE MORE COMPLETE OR HIGHER STANDARD SHALL PREVAIL.

3. INTERPRETATION OF THE DOCUMENTS

CAREFULLY COMPARE THE DRAWINGS AND SPECIFICATIONS, CHECKING MEASUREMENTS AND CONDITIONS UNDER WHICH THIS INSTALLATION IS TO BE MADE. FOR CLARIFICATION BETWEEN VARIOUS DRAWINGS, BETWEEN DRAWINGS OR SPECIFICATION, OR BETWEEN SECTIONS OF THE SPECIFICATION, THE MATTER SHALL BE REFERRED TO THE ENGINEER BEFORE ANY WORK IS EXECUTED. THE CONTRACTOR SHALL STATE IN THEIR PROPOSAL ANY EXCEPTIONS NECESSARY TO MAKE THIS A COMPLETE, READY TO USE INSTALLATION. IF NOT STATED IN THE PROPOSAL, IT WILL NOT BE CONSIDERED EXTRA.

4. SITE EXAMINATION

BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE SITE, EXAMINE THE PREMISES, AND MAKE A THOROUGH SURVEY OF THE EXISTING CONDITIONS. THE SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION MADE. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT THE SITE OR FOR LATER CLAIMS FOR LABOR, EQUIPMENT, MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN SITE EXAMINATION BEEN MADE.

5. COORDINATION WITH OTHER TRADES

THE MECHANICAL CONTRACTOR SHALL OBTAIN A COMPLETE SET OF ARCHITECTURAL AND ENGINEERING DOCUMENTS AND COORDINATE WITH ELECTRICAL, PLUMBING, ARCHITECTURAL, AND OTHER TRADES FOR EXACT DIMENSIONS, CLEARANCES, EQUIPMENT LOCATIONS, AND OTHER ADDITIONAL SCOPES OF WORK THAT MAY NOT BE SHOWN ON THE MECHANICAL PLANS.

6. PERMITS, APPLICATIONS AND RELEASES

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS INSPECTIONS, APPLICATIONS, RELEASES AND FEES REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES FOR THE EXECUTION OF THIS WORK. SCHEDULING OF ALL REQUIRED INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

7. FIRE STOPPING

ALL PENETRATIONS IN WALL, FLOOR OR CEILINGS SHALL BE SUITABLY CLOSED UP AND SEALED WITH AN INTUMESCENT FIRE STOPPING COMPOUND LISTED IN THE MOST RECENT FACTORY MUTUAL RESEARCH CORPORATION (FMRC) APPROVAL GUIDE. FIRE STOPPING PRODUCTS SHALL BE MANUFACTURED BY 3M CO.

8. OWNER FURNISHED EQUIPMENT

EQUIPMENT THAT WILL BE FURNISHED BY THE OWNER WILL BE INDICATED ON A SEPARATE SCHEDULE. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR DELIVERY SCHEDULES. THE CONTRACTOR IS TO ASSUME THAT ON SITE STORAGE MAY NOT BE AVAILABLE WHEN COORDINATING DELIVERY OF EQUIPMENT. THE CONTRACTOR, IN COORDINATION WITH THE OWNER'S REPRESENTATIVE, WILL INSPECT THE DELIVERY FOR ACCURACY AND SHIPMENT DAMAGE AND ACCEPTING THE EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO STORE, PROTECT AND ULTIMATELY INSTALL THE EQUIPMENT.

9. EQUIPMENT

ALL MATERIALS AND EQUIPMENT USED IN THIS INSTALLATION SHALL BE NEW, AND HAVE THE APPROPRIATE UL LISTING AND LABEL.

10. MISCELLANEOUS SUPPORTING MEMBERS

ALL ANGLES CHANNELS, AND OTHER MISCELLANEOUS STEEL, BOLTS, RODS, ETC., REQUIRED TO SUPPORT LIGHT FIXTURE, CONDUIT, RACEWAY, LADDER TRAY, OR OTHER ELECTRICAL EQUIPMENT OR DEVICES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

11. SAFETY

THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ENSURE THE SAFETY OF THE OWNERS, EMPLOYEES, BUILDING EMPLOYEES AND GUESTS, AS WELL AS THEIR OWN FORCES, BY ADEQUATELY PROTECTING ANY EXPOSED LIVE CONDUCTORS, OR DEVICES THROUGHOUT THE COURSE OF THIS WORK.

12. WATER SERVICE PROTECTION

ALL INCOMING WATER SERVICES SHALL BE EQUIPPED WITH AN APPROVED REDUCED PRESSURE BACKFLOW PREVENTER INSTALLED IN-LINE OF EQUAL PIPE DIAMETER OF THE WATER SERVICE AND SHALL BE LOCATED NO MORE THAN FIVE FEET ABOVE THE FLOOR. REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER.

13. CONNECTIONS TO EQUIPMENT

ALL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, SODA MACHINES, COFFEE MACHINES, ICE MAKERS, DISHWASHERS, TO BE PROTECTED FROM BACKFLOW PER STATE OF NORTH CAROLINA CODE.

14. FIXTURES

ALL NEW AND REPLACED PLUMBING FIXTURES SHALL BE LABELED WATERSENSE PRODUCT AS SPECIFIED BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY.

15. DISTRIBUTION PIPE

ANY WATER DISTRIBUTION PIPE HAVING BEEN TERMINATED OR IS AN UNUSED SEGMENT SHALL HAVE NO "DEAD ENDS". NO SEGMENT OF PIPE WITH A DEVELOPED LENGTH OF MORE THAN TWO FEET SHALL BE PERMITTED.

16. EXISTING PLUMBING

ALL EXISTING PLUMBING THAT MAY POSE A HEALTH OR SAFETY HAZARD MUST BE REVISED TO MEET NORTH CAROLINA PLUMBING CODE. ALL UNUSED WATER PIPING TO BE CAPPED WITHIN 2' OF MAIN.

PLUMBING CONTRACTOR TO SCOPE ALL EXISTING SANITARY SYSTEMS TO VERIFY LOCATION, SLOPE, AND CONDITION OF EXISTING SANITARY. ANY DEFICIENCIES SHOULD BE REPORTED TO THE OWNER PRIOR TO CONNECTING TO EXISTING SYSTEMS.

WHEN MULTIPLE SYSTEMS ARE INSTALLED, CONTRACTOR TO VERIFY CONNECTION TO CORRECT SYSTEM, IE. GREASE OR OIL WASTE SYSTEMS.

17. BALL VALVES

ALL BALL VALVES 1 1/2" AND BELOW FOR DOMESTIC WATER SHALL BE OF LEAD FREE TYPE 1417 (a) 1 SWDA.

18. DEAD ENDS

NO DEAD ENDS IN SUPPLY OR SANITARY.

19. CLOSE OUT REQUIREMENT

CONTRACTOR'S PLUMBER OR RESPONSIBLE CONTRACTOR SHALL FLUSH PLUMBING LINES PRIOR TO TURNOVER TO CLIENT.

## PLUMBING SYMBOLS SCHEDULE

| SYMBOL | DESCRIPTION |
|---|---|
| | BALANCING VALVE |
| | BALL VALVE |
| | CHECK VALVE |
| | GAS VALVE |
| | GATE VALVE |
| | TEMPERATURE & PRESSURE RELIEF VALVE |
| | SOLENOID VALVE OR ELECTRIC ACTUATED |
| | THERMOSTATIC MIXING VALVE |
| | BACKFLOW PREVENTER (DOMESTIC) |
| | REDUCER / INCREASER |
| | UNION |
| | PIPE RISER |
| | PIPE DROP |
| | END CAP |
| | HOSEBIBB |
| | FLOOR OR YARD CLEANOUT (CO , YCO) |
| | FLOOR DRAIN, NUMBER AND SIZE |
| | STORM SEWER PIPING |
| | COLD WATER PIPING |
| | HOT WATER PIPING |
| | HOT WATER RETURN PIPING |
| | VENT PIPING |
| | STORM SEWER PIPING |

## PLUMBING ABBREVIATIONS

| | |
|---|---|
| AG | ABOVEGROUND SANITARY |
| AV | ACID VENT |
| AW | ACID WASTE |
| CU | COPPER |
| DCW | DOMESTIC COLD WATER |
| DDCV | DOUBLE-DETECTOR CHECK VALVE |
| DHW | DOMESTIC HOT WATER |
| DHWR | DOMESTIC HOT WATER RETURN |
| E | EXIST TO REMAIN |
| EWC | ELECTRIC WATER COOLER |
| EWT | ENTERING WATER TEMPERATURE |
| FCO | FLOOR CLEAN-OUT |
| FD | FLOOR DRAIN |
| FP-HB | FROST-PROOF HOSE BIBB |
| GAL | GALLON |
| HB | HOSE BIBB |
| IW | INDIRECT WASTE |
| KW | KITCHEN WASTE |
| LAV | LAVATORY |
| LBS | POUNDS |
| LWT | LEAVING WATER TEMPERATURE |
| OB | OUTLET BOX |
| OFD | OVERFLOW DRAIN |
| OSD | OPEN SITE DRAIN |
| R | RELOCATE |
| RD | ROOF DRAIN |
| RPZ | REDUCED-PRESSURE BACKFLOW PREVENTER |
| SAN | SANITARY |
| SH | SHOWER |
| SK | SINK |
| STM | STORM |
| TMV | THERMOSTATIC MIXING VALVE |
| UR | URINAL |
| USAN | UNDERGROUND SANITARY |
| USTM | UNDERGROUND STORM |
| WC | WATER CLOSET |
| WCO | WALL CLEANOUT |
| WH | WATER HEATER |
| X | REMOVE |

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CLIENT REVIEW

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SHEET TITLE & NUMBER

PLUMBING
PLAN & NOTES

P-1

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## PLUMBING FIXTURE SCHEDULE

| TAG | FIXTURE | MATERIAL | MANUFACTURER | MODEL | MOUNTING | FAUCET/FLUSH VALVE MANUFACTURER | FAUCET/FLUSH VALVE MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|
| WC | WATER CLOSET ADA | WHITE VITREOUS CHINA | ZURN | Z5560 | FLOOR | - | - | FLOOR-MOUNTED TWO-PIECE ELONGATED BOWL PRESSURE-ASSISTED TOILET. ADA. 16 GPF. 12" ROUGH-IN. PROVIDE ANTIMICROBIAL OPEN FRONT SEAT WITHOUT COVER. COORDINATE TRIP LEVER WITH WIDE SIDE OF FIXTURE. BEMIS 1955SSC WHITE FINISH. |
| LAV-1 | LAVATORY SINK | WHITE VITREOUS CHINA | KOHLER | VOX K-5373-0 | VESSEL OR DROP-IN | BWE | 6004-HJ | BUILT-IN VANITY, RECTANGULAR LAVATORY SINK, 22-5/8"X16-1/8"X6-7/8" DEEP, SINGLE-HOLE LEVER FAUCET. ADA COMPLIANT. |
| LAV-2 | LAVATORY SINK | WHITE VITREOUS CHINA | AMERICAN STANDARD | 0954.004 | WALL MOUNTED | AMERICAN STANDARD | 7028.305 | WALL HUNG LAVATORY, VITREOUS CHINA, REAR OVERFLOW, RECESSED SELF-DRAINING DECK WITH OPTIONAL KNEE SHROUD BATTERY- POWERED ELECTRONIC FAUCET, ABOVE DECK MIXING VALVE, CHROME FINISH. 0.5 GPM. GRID DRAIN. |
| TMV | THERMOSTATIC MIXING VALVE | - | CASH ACME | HEATGUARD HG35 | - | - | - | COMPACT THERMOSTATIC MIXING VALVE FOR INDIVIDUAL FAUCETS. ACCURATE TEMPERATURE CONTROL WITH FLOWS AS LOW AS 0.25 GPM. INLET STRAINER |
| EWC | ELECTRIC WATER COOLER | STAINLESS STEEL | ELKAY | LZSTL8WSLP | WALL MOUNTED | - | - | TWO STATION, SELF-CONTAINED, WALL HUNG ELECTRIC REFRIGERATED WATER COOLER WITH BOTTLE FILLER. 8GPH. ADA COMPLIANT. 4.0 A. 120V. |
| SK-1 | HAND SINK | STAINLESS STEEL | KOHLER | UNDERTONE - K-3339-NA | UNDERMOUNT | BRIENZA - MONCALIERI | BRN-MORVPD | SINGLE BOWL, 15-3/4" ROUND, 5-1/2" DEEP UNDERMOUNT SINK. 18-GAUGE STAINLESS STEEL. SINGLE-HANDLE LEVER FAUCET, 1 FAUCET HOLE. OIL RUBBED BRONZE FINISH. |
| SK-2 | UTILITY SINK | FRP | MUSTEE | DURASTONE MODEL 11 | DROP-IN | DELTA | B3310LF | SINGLE BOWL FIBERGLASS DROP IN SINK. 20"X17"X10" DEEP. SINGLE HANDLE FAUCET, SIDE SPRAYER. POLISHED CHROME. ADA |
| SK-3 | PREP AREA SINK | STAINLESS STEEL | ELKAY | DAYTON D2339 | DROP-IN | OAKBROOK - PACIFICA | 6757-HO | DOUBLE-BOWL TYPE 300 STAINLESS STEEL #22 GAUGE SELF RIMMING. TWO 14"X14"X6 5/16"D BASINS. DUAL HANDLE GOOSE NECK FAUCET, SIDE SPRAYER. POLISHED CHROME. ADA |
| SK-4 | BEVERAGE AREA SINK | STAINLESS STEEL | ELKAY | LUSTERSTONE LR2129 | DROP-IN | DELTA | B3310LF | SINGLE BOWL, STAINLESS STEEL SINK, 18"X14"X7-5/8" D BASIN. SINGLE HANDLE FAUCET, SIDE SPRAYER. POLISHED CHROME. |
| MSK | MOP SINK | FRP | MUSTEE | 63M | FLOOR MOUNTED | PIAT | 63.600A | 24"X24"X10" DEEP MOP SINK WITH 3" STAINLESS STL DRAIN BODY. CHROME-PLATED SERVICE FAUCET W/ VACUUM BREAKER, STOPS. |
| SH | ADA SHOWER | - | SCHLUTER | KERDI WATERPROOFING SHOWER & WALL SYSTEM | - | KOHLER | K-22178 K-T594425-4 K-T1449R-4BL K-2372 K-76465 | CURBLESS, ROLL-IN SHOWER. HANDSHOWER KIT, MIXING CONTROL, TRANSFER VALVE TRIM, WALL MOUNT SUPPLE ELBOW, 10" RAIN-HEAD W/ 6" STEM. ALL FINISHES MATTE BLACK. |
| BT | BATH TUB | - | SWISS MADISON | SM-DB567 | - | KOHLER | K-7799O-4 K-77985 K-21535-G K-77989 K-2638 | DECK-MOUNT BATH FAUCET HANDLES WITH VALVE. DECK-MOUNT BATH SPOUT WITH TUBE DESIGN. ROUND 2-FUNCTION HANDSHOWER, HANDSHOWER HOLDER, 2-WAY DIVERTER VALVE & HOSE ADAPTER. FINISHES SHALL BE BLACK. |
| WH | INSTANT HOT WATER HEATER | - | INSINKERATOR | HWT300 | WALL MOUNTED BENEATH MILLWORK | INSINKERATOR | F-GN100C OR EQUAL | INSTANT-HOT WATER HEATER LOCATED BENEATH MILLWORK. PROVIDE MANUFACTURER ACCESSORY FILTER & SINGLE-HANDLE ARC-FAUCET. |
| FD | FLOOR DRAIN | HDPE | JOSAM WADE ZURN | J-30000A W-1100STD Z-415 | FLOOR MOUNTED | - | - | CAST IRON BODY, BOTTOM OUTLET, ADJUSTABLE COLLAR, POLISHED NICKEL BRONZE, LIGHT DUTY STRAINER. |
| PS-1 | PEDICURE STATION | - | LIVING EARTH CRAFTS | WILSHIRE LE PEDICURE CHAIR | FLOOR MOUNTED | - | - | PEDICURE STATION PROVIDED BY OWNER. |

NOTE: ALL PLUMBING FIXTURES IN THIS LIST SHALL BE NEW.

## ELECTRIC WATER HEATER SCHEDULE (WH-)

| TAG | LOCATION | CAPACITY (GAL.) | KW | RECOVERY (GPH) | DIAM. (IN.) | HEIGHT (IN.) | VOLT. | FLA | MFR. | MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WH-1 | BACK OF HOUSE | 87 | 15.0 | 102 | 29 1/2 | 62 1/4 | 208/3 | 41.6 | A.O. SMITH | DRE-120-15 | 1 |

NOTES:
1. DISCONNECT SWITCHES AND POWER SOURCE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. RECOVERY BASED ON 60F TEMP. RISE.

## NEW DOMESTIC PUMP SCHEDULE

| TAG | LOCATION | FLOW (GPM) | TDH (FT) | SUCTION (IN.) | DISCHARGE (IN.) | HP | RPM | VOLTAGE | FLA | MOCP | MANUFACTURER | MODEL NUMBER | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RCP-1 | WATER HEATER | 5 | 10 | 3/4 | 3/4 | 25W | 2950 | 115/1/60 | 1.1 A. | 15 A. | BELL & GOSSETT | NBF-25 | 1 |

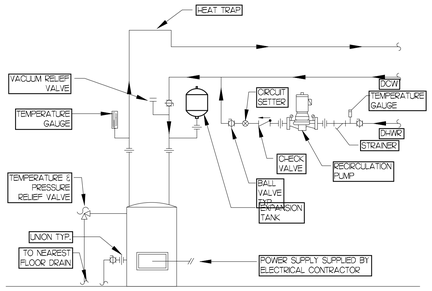
NOTES:
1. 3-SPEED IN-LINE CIRCULATING PUMP, LEAD-FREE BRASS, BUILT-IN ADJUSTABLE THERMOSTAT FROM 68F TO 158F. ECM MOTOR NON-OVERLOADING.

## WATER SERVICE FIXTURE UNIT CALCULATIONS

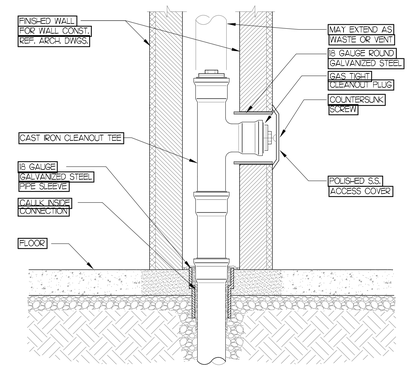
| QTY. | FIXTURE | USE | SUPPLY TYPE | W.S.F.U. EACH Cold | W.S.F.U. EACH Hot | W.S.F.U. EACH Total | W.S.F.U. TOTAL Cold | W.S.F.U. TOTAL Hot | W.S.F.U. TOTAL Total | D.F.U. EACH | D.F.U. TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | WATER CLOSET | PRIVATE/PUBLIC | FLUSH TANK | 5 | 0 | 5 | 20 | 0 | 20 | 4 | 16 |
| 4 | LAVATORY | PRIVATE/PUBLIC | FAUCET | 1.5 | 1.5 | 2 | 6 | 6 | 8 | 1 | 4 |
| 1 | BATHTUB | PRIVATE/PUBLIC | FAUCET | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 |
| 1 | SERVICE SINK | PUBLIC | FAUCET | 2.25 | 2.25 | 3 | 2.25 | 2.25 | 3 | 3 | 3 |
| 1 | DRINKING FOUNTAIN | PUBLIC | 3/8" VALVE | 0.25 | 0 | 0.25 | 0.25 | 0 | 0.25 | 0.5 | 0.5 |
| 2 | SHOWER STALL | PRIVATE/PUBLIC | MIXING VALVE | 3 | 3 | 4 | 6 | 6 | 8 | 3 | 6 |
| 6 | HAND SINK | PRIVATE/PUBLIC | FAUCET | 1 | 1 | 1.4 | 6 | 6 | 8.4 | 1 | 6 |
| 3 | KITCHEN SINK | PRIVATE/PUBLIC | FAUCET | 3 | 3 | 4 | 9 | 9 | 12 | 2 | 6 |
| 1 | DISHWASHING MACHINE | PRIVATE/PUBLIC | AUTOMATIC | 0 | 1.4 | 1.4 | 0 | 1.4 | 1.4 | 2 | 2 |
| 5 | COMBINATION FIXTURE | PRIVATE/PUBLIC | AUTOMATIC | 2.25 | 2.25 | 3 | 11.25 | 11.25 | 15 | 3 | 15 |
| 7 | 2" FLOOR DRAIN | | | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 21 |
| 2 | 4" FLOOR DRAIN | | | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 12 |
| | PER INTERNATIONAL PLUMBING CODE (40-49 PSI) | | | TOTAL W.S.F.U. | | | 63.75 | 44.9 | 80.05 | | |
| | | | | TOTAL D.F.U. | | | | | | | 94.50 |

WATER SIZE FOR PREDOMINANTLY FLUSH TANKS

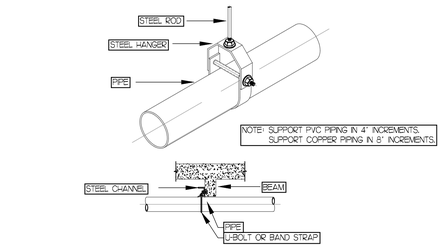
| | |
|---|---|
| Pipe Size | 1.5" |
| Meter Size | 1.5" |



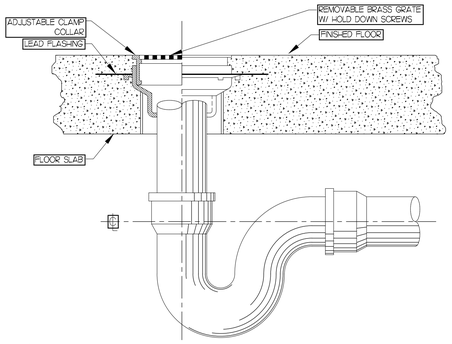

P-2 ELECTRIC WATER HEATER DETAIL
NO SCALE



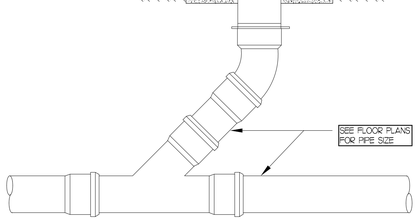

P-2 WALL CLEANOUT DETAIL
NO SCALE




3 P-2 PIPE HANGER DETAIL
NO SCALE




4 P-2 FLOOR DRAIN DETAIL
NO SCALE




5 P-2 FLOOR CLEANOUT DETAIL
NO SCALE

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PLUMBING SCHEDULES & DETAILS

P-2

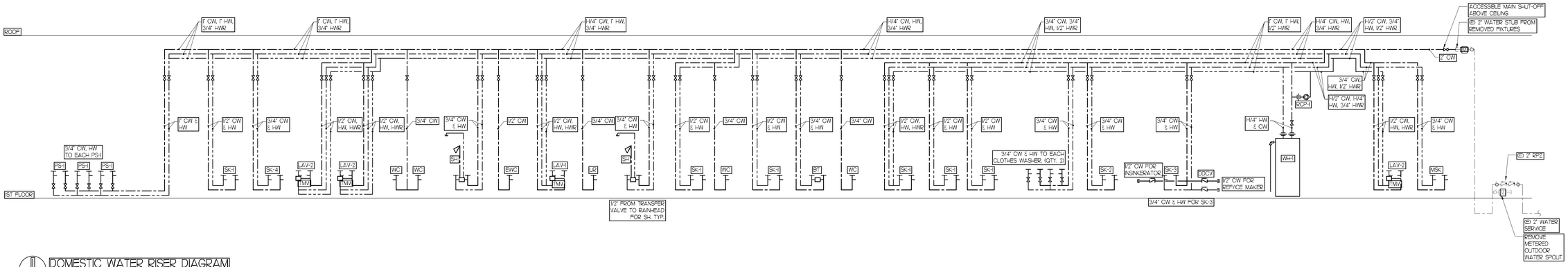
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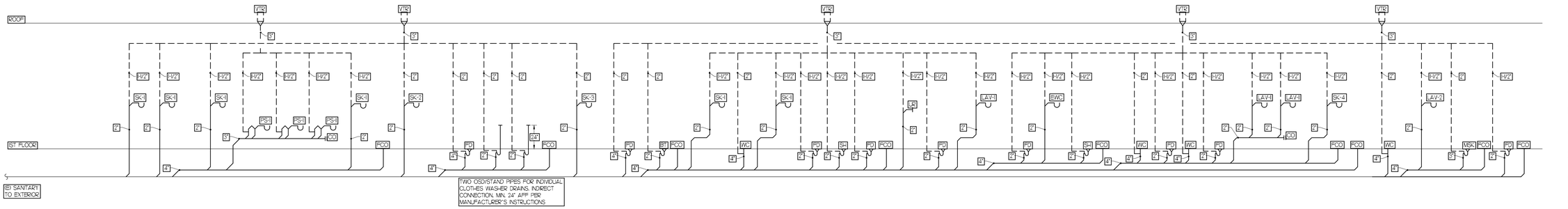
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1 P-2.1 DOMESTIC WATER RISER DIAGRAM
NO SCALE




2 P-2.1 SANITARY RISER DIAGRAM
NO SCALE

MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

WOODHOUSE™

CLIENT

**WOODHOUSE SPAS - WILMINGTON, NC**

PROJECT

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LICENSE EXPIRES ON: 12-31-2025
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CLIENT REVIEW

Project Number: 25-030
Drawn By: RM / RT
Approved By: JKN

| No. | Issue | Date |
|---|---|---|
| | FOR PERMIT | 03-14-2025 |

SHEET TITLE & NUMBER

PLUMBING
RISER DIAGRAMS

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PLUMBING SPECIFICATIONS

SCOPE: THIS SPECIFICATION REQUIRES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO MAKE A COMPLETE AND ACCEPTABLE MECHANICAL INSTALLATION AS SPECIFIED HEREIN AND SHOWN ON DRAWINGS.
PROVIDE ALL ITEMS, ARTICLES, OPERATIONS, OR METHODS LISTED, MENTIONED, OR SCHEDULED HEREIN OR ON THE DRAWINGS, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY AND REQUIRED FOR COMPLETION OF THE WORK.

REGULATIONS, CODES, AND STANDARDS: CURRENT CODE REQUIREMENTS SHALL BE SATISFIED. WHERE REQUIRED BY LOCAL STATE, OR FEDERAL AUTHORITY HAVING JURISDICTION, NO EQUIPMENT WILL BE ACCEPTED UNLESS IT BEARS THE ACCEPTANCE LABEL OR AN APPROPRIATE TESTING AGENCY.

SHOP DRAWINGS: SUBMIT TO THE PROJECT ENGINEER FOR APPROVAL SHOP DRAWINGS FOR ALL EQUIPMENT LISTED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE GENERAL CONDITIONS AND SUPPLEMENTARY CONDITIONS. ALLOW 10 DAYS FOR REVIEW BY ARCHITECT/ENGINEER. SUBMITTALS SHALL INCLUDE AS A MINIMUM THE FOLLOWING:

A. PRODUCT DATA: MANUFACTURER'S LITERATURE DESCRIBING ITEM, MODEL NUMBERS PROPOSED SHALL BE IDENTIFIED WHEN THE LITERATURE DESCRIBES MORE THAN (1) ITEM.
B. OPERATION CURVES: FOR ALL FANS SHOWING CAPACITIES, PRESSURES, HORSEPOWER, AND EFFICIENCY SHALL BE PROVIDED.
C. MANUFACTURER'S SUBMITTAL: SHOWING ELECTRICAL AND MECHANICAL REQUIREMENTS AND CONNECTION LOCATIONS SHALL BE PROVIDED.
D. MAINTENANCE DATA: SUBMIT MAINTENANCE DATA AND PARTS LIST FOR EACH TYPE OF EQUIPMENT REQUIRING PERIODIC MAINTENANCE.

ALL SHOP DRAWINGS SUBMITTED SHALL BE STAMPED, DATED, AND SIGNED BY THE CONTRACTOR TO CERTIFY THAT THEY HAVE BEEN CHECKED BY HIM AS TO CAPACITIES, DIMENSIONS, SPACE REQUIREMENTS AND LIMITATIONS, AND ANY AND ALL OTHER REQUIREMENTS, AND FOUND ACCEPTABLE. APPROVAL OF SHOP DRAWINGS BY THE PROJECT ENGINEER SHALL NOT RELIEVE CONTRACTOR FROM FULFILLING OPERATIONAL REQUIREMENTS, OR FURNISHING ALL MATERIAL AND EQUIPMENT SPECIFIED OR NOTED, WHETHER OR NOT SPECIFICALLY SHOWN ON THE SHOP DRAWINGS. THE QUANTITY TO BE SUBMITTED SHALL BE THE NUMBER REQUIRED BY THE GENERAL CONTRACTOR.

AS-BUILT DRAWINGS: THE CONTRACTOR SHALL SUBMIT AT COMPLETION ONE (1) SET OF MARKED-UP CONTRACT DRAWINGS WHICH SHOW ALL MODIFICATIONS TO THE CONTRACT AND CHANGES OF LOCATIONS, MATERIALS, OR CONFIGURATIONS. THIS SET SHALL BE SUBMITTED WITH THE OPERATING MANUALS TO THE PROJECT ENGINEER.

OPERATING MANUALS: PROVIDE THREE (3) MANUALS, EACH WITH A COMPLETE SET OF COPIES OF SHOP DRAWINGS REQUIRED FOR THE PROJECT AS WELL AS VALVE CHARTS, MANUFACTURER'S TESTING, CLEANING AND MAINTENANCE INSTRUCTIONS, LIST OF MATERIALS FOR MAINTENANCE, PARTS LIST, WIRING DIAGRAMS, AND NAME AND ADDRESS OF AUTHORIZED SERVICE ORGANIZATIONS AND SUPPLIERS. INFORMATION SHALL BE BOUND IN 8½"X11" THREE-RING, LOOSE-LEAF BINDER, AND INDEXED IN ACCORDANCE WITH THESE SPECIFICATIONS. BINDER COVER SHALL IDENTIFY JOB NAME, DATE, AND NAME AND ADDRESS OF CONTRACTOR, ARCHITECT, AND ENGINEER. MANUALS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW OF MATERIAL PRIOR TO THE FINAL INSPECTION. MANUALS WILL BE RETURNED TO THE CONTRACTOR FOR THE SUBMITTAL TO THE OWNER AT THE TIME OF SYSTEM INSTRUCTION.

SYSTEM START-UP: AT A TIME SET BY THE CONTRACTOR, AND AGREED TO BY THE OWNER, ARRANGE TO PLACE EQUIPMENT IN OPERATION, HAVE A FACTORY AUTHORIZED TECHNICIAN ASSIST IN THE EQUIPMENT START-UP AND MAKE NECESSARY ADJUSTMENTS TO PROVE SATISFACTORY OPERATION PRIOR TO TURNING FACILITY OVER TO OWNER. ALL EQUIPMENT SHALL BE RUN FOR THREE 8-HOUR TEST PERIODS. ANY IRREGULARITIES, FAULTY EQUIPMENT, ETC., SHALL BE REPAIRED OR REPLACED PRIOR TO FINAL INSPECTION AND ACCEPTANCE. AFTER TESTING, ALL EQUIPMENT SHALL BE FRESH-LY OILED, FILTERS REPLACED WITH CLEAN MEDIA, AND INSTALLATION COMPLETELY FINISHED PRIOR TO ACCEPTANCE.

OWNER INSTRUCTION: CONTRACTOR SHALL ARRANGE, IN WRITING, WITH THE OWNER, PRIOR TO FINAL INSPECTION, A DATE OR DATES TO INSTRUCT THE OWNER, AND THE OWNER'S DESIGNATED REPRESENTATIVES, IN THE OPERATION AND MAINTENANCE OF THE SYSTEM.

FINAL INSPECTION: UPON COMPLETION OF ALL WORK, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE FOLLOWING DATA:

1. MAINTENANCE MANUALS

AFTER RECEIVING APPROVAL OF THE ABOVE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING AND MAKE ARRANGEMENTS FOR A FINAL INSPECTION. AFTER THE FINAL INSPECTION IS MADE, THE CONTRACTOR WILL RECEIVE A LIST OF ITEMS REQUIRING ADJUSTMENT, CORRECTION, REPLACEMENT, OR COMPLETION. THE CONTRACTOR SHALL COMPLY COMPLETELY WITH ALL THE LISTED REQUIREMENTS WITHIN THIRTY (30) DAYS OF THE RECEIPT OF LIST. SHOULD THE CONTRACTOR FAIL TO PERFORM WITHIN THIS TIME LIMIT, THE PROJECT ENGINEER AND/OR OWNER RESERVES THE RIGHT TO HAVE THE WORK COMPLETED BY OTHERS AND THE COST DEDUCTED FROM THE CONTRACT PRICE.

DISPOSAL: ALL MATERIALS AND EQUIPMENT SHOWN, OR INDICATED TO BE REMOVED AND NOT REINSTALLED OR RELOCATED, SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE OWNER'S PROPERTY UNLESS SPECIFIED TO THE CONTRARY.

EQUIPMENT PADS, FOUNDATIONS, AND PITS: PROVIDE ALL NECESSARY EQUIPMENT PADS, FOUNDATIONS, AND PITS WHICH ARE REQUIRED AS PART OF THIS PROJECT. COST OF CONSTRUCTING THESE SHALL BE A PART OF THE RESPECTIVE MECHANICAL INSTALLATION. EACH FLOOR MOUNTED PIECE OF EQUIPMENT SHALL BE PROVIDED WITH A 4" HIGH CONCRETE BASE, PLUMB AND SMOOTH. CONCRETE SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT, TWO PARTS CLEAN, SHARP SAND, AND FOUR PARTS CRUSHED STONE OR GRAVEL ½" TO ¾" IN SIZE, MINIMUM 3500 PSI STRENGTH ACHIEVED IN 28 DAYS. BASES SHALL BE ATTACHED TO THE BUILDING FLOOR WITH EXPANSION BOLTS ON 3' CENTERS, MINIMUM OF TWO BOLTS PER BASE. EXPANSION BOLTS SHALL BE SET PRIOR TO POURING SUCH THAT BOLT HEADS WILL BE CONCEALED WITHIN THE POURED BASE. BASE EXPANSION BOLTS SET IN MEMBRANE FLOORS SHALL BE PLACED SO AS NOT TO IMPAIR INTEGRITY OF THE WATERPROOF MEMBRANE. PROVIDE ALL NECESSARY ANCHOR BOLTS FOR EQUIPMENT SUPPLIED. PROVIDE LAYOUT DIMENSIONS AND ANCHOR BOLT INSERTS FOR ANY OTHER CONTRACTOR REQUIRED TO CONSTRUCT THESE.

GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS SUPPLIED BY HIM FOR ONE (1) YEAR AFTER ACCEPTANCE OF THE WORK IN HIS CONTRACT. IF, DURING THE GUARANTEE PERIOD, ANY DEFECTS OF FAULTY MATERIALS ARE FOUND, HE SHALL CORRECT IMMEDIATELY AND REPAIR ANY DAMAGE TO OTHER MATERIALS OR INSTALLATIONS CAUSED BY THE DEFECT.

EXTENDED WARRANTIES: WHEN EQUIPMENT IS FURNISHED BY THE CONTRACTOR, OR MANUFACTURER, WITH A WARRANTY LONGER THAN ONE (1) YEAR, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COPY ALONG WITH RECEIPTS OR OTHER DOCUMENTS NECESSARY FOR FUTURE WARRANTY REPAIRS. UNLESS OTHERWISE REQUIRED, EXTENDED WARRANTIES ARE FOR EQUIPMENT ONLY, NOT MATERIALS OR LABOR TO INSTALL.

MATERIALS AND EQUIPMENT: ALL EQUIPMENT AND MATERIALS TO BE INCORPORATED IN THIS CONTRACT WORK SHALL BE NEW AND OF THE MAKES AND TYPES AS SPECIFIED AND CONTRACTED FOR. NO REMOVED EQUIPMENT SHALL BE RE-INSTALLED OR RE-USED.

PROPOSED EQUIPMENT AND MATERIALS: THIS CONTRACTOR SHALL SUBMIT A COMPLETE LIST OF PROPOSED EQUIPMENT AND MATERIALS, DESIGNATING MANUFACTURER'S NAME AND MODEL NUMBER OR TYPE, FOR PROJECT ENGINEER'S APPROVAL. CONTRACTOR SHALL MAKE SUCH SUBMITTAL WITHIN 15 DAYS AFTER NOTICE TO PROCEED AND BEFORE ORDERING ANY MATERIAL OR EQUIPMENT. APPROVAL OF SUCH A LIST SHALL IN NO WAY RELIEVE THE CONTRACTOR FROM RESPONSIBILITY OF SUBMITTING SHOP DRAWINGS, NOR SHALL IT CONSTITUTE FINAL APPROVAL SHOULD THE SHOP DRAWINGS BE FOUND TO BE PARTIALLY OR WHOLLY NOT IN FULL AGREEMENT WITH SPECIFICATION REQUIREMENTS.

INSTALLATION: INSTALLATION OF ALL MATERIAL, ITEMS OR EQUIPMENT AS SHOWN ON DRAWINGS OR DESCRIBED IN SPECIFICATIONS SHALL CONFORM AS NEARLY AS POSSIBLE TO MANUFACTURER'S RECOMMENDED PROCEDURE, UNLESS DESIGNATED OTHERWISE. SHOULD SELECTION OF APPROVED ALTERNATE EQUIPMENT REQUIRE REVISIONS, THIS CONTRACTOR SHALL MAKE ALL CHANGES TO ACCOMMODATE SUCH EQUIPMENT. CONTRACTOR SHALL PREPARE DRAWINGS OF REVISIONS FOR APPROVAL BY PROJECT ENGINEER PRIOR TO BEGINNING WORK. CHANGES AND DRAWINGS SHALL BE MADE AT NO CHANGE IN CONTRACT AMOUNT.

REGULATIONS, CODES AND STANDARDS: THIS CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES AND PAY ALL FEES IN CONNECTION WITH SAME FOR WORK PERFORMED UNDER DIVISION 15.

MECHANICAL SIGNS AND LABELS: WHERE SPECIFIED, THESE SHALL BE ⅛" THICK PLASTIC LAMINATE WITH ENGRAVED LETTERING AND ADHESIVE BACKING. ADDITIONALLY THEY SHALL BE PUNCHED FOR MECHANICAL FASTENERS. UNLESS OTHERWISE SPECIFIED, COLOR SHALL BE BLACK WITH WHITE LETTERING.

IDENTIFICATION: ACCESS PANELS SHALL HAVE ENGRAVED PLASTIC MARKERS INDICATING WHAT ACCESS DOOR IS PROVIDED FOR. PIPING SHALL HAVE MARKERS NEAR EACH BRANCH VALVE AND PIECE OF EQUIPMENT AND WHERE PIPE PASSES THROUGH WALLS, FLOORS, AND CEILINGS. SPACE MARKERS AT A MAXIMUM 25' INTERVALS.

OPENINGS, CHASES AND RECESSES: THIS CONTRACTOR SHALL GIVE GENERAL CONTRACTOR, IN SUFFICIENT TIME, ALL DIMENSIONS NEEDED FOR THE PROPER CONSTRUCTION AND LOCATION OF FOUNS, CHASES AND OTHER OPENINGS WHICH MAY BE REQUIRED FOR THE INSTALLATION OF ALL EQUIPMENT, PIPE, DUCTS AND MATERIALS UNDER THIS CONTRACT.

PROTECTION OF EQUIPMENT: PROTECT AGAINST INJURY FROM WEATHER ALL BUILDING MATERIALS, SUPPLIES, TOOLS, EQUIPMENT, AND FIXTURES INSTALLED OR TO BE INSTALLED, WITH SUITABLE AND SUBSTANTIAL COVERS. COST OF REPLACING OR REPAIRING EQUIPMENT AND FIXTURES MADE NECESSARY BY FAILURE TO PROVIDE SUITABLE PROTECTION SHALL BE PAID BY THIS CONTRACTOR. RESPONSIBILITY FOR THE CARE AND PROTECTION OF MECHANICAL EQUIPMENT AND WORK SHALL REMAIN WITH THIS CONTRACTOR UNTIL IT HAS BEEN TESTED AND ACCEPTED. PROTECT EQUIPMENT OUTLETS, PIPE, DUCT, AND CONDUIT OPENINGS WITH TEMPORARY PLUGS, CAPS, OR APPROVED DEVICES.

PROTECT DEVICES: ALL GEARS, BELTS, AND MOVING PARTS ARE TO BE AMPLY PROTECTED BY SUBSTANTIAL NEAT, AND APPROVED PERMANENT GUARDS, CASINGS, OR RAILINGS AS THE CASE MAY REQUIRE AND IN SUCH MANNER AS TO FULLY COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

CLEANING: AFTER ALL FIXTURES, MATERIALS, AND APPARATUS HAVE BEEN SET AND READY FOR USE, AND BEFORE THIS CONTRACTOR LEAVES THE JOB, HE SHALL THOROUGH-LY CLEAN ALL EQUIPMENT FURNISHED AND SET BY HIM REMOVING ALL STICKERS, RUST STAINS, GREASE, CEMENT, AND OTHER FOREIGN MATTER OR DISCOLORATION ON EQUIPMENT, LEAVING EVERY PART IN ACCEPTABLE CONDITION, READY FOR USE. CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM HIS WORK, LEAVING BUILDING IN CLEAN CONDITION, SUITABLE FOR OCCUPANCY. VACUUM CLEAN INTERIOR OF ALL AIR HANDLING UNITS BEFORE COMPLETION AND PROVIDE NEW FILTERS JUST BEFORE TURNING OVER TO OWNER.

ACTIVE UTILITIES: WHEN ENCOUNTERED IN WORK, PROTECT, BRACE, AND SUPPORT EXISTING ACTIVE SEWERS, GAS, ELECTRIC, AND OTHER SERVICES WHERE REQUIRED FOR PROPER EXECUTION OF WORK. IF EXISTING ACTIVE UTILITIES ARE ENCOUNTERED THAT ARE NOT INDICATED, AND WHICH REQUIRE RELOCATION, MAKE REQUEST IN WRITING FOR DETERMINATION. DO NOT PROCEED WITH WORK UNTIL WRITTEN DIRECTIONS ARE RECEIVED. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES THAT ARE TO REMAIN.

INACTIVE UTILITIES: WHEN ENCOUNTERED IN WORK, REMOVE, CAP, OR PLUG INACTIVE SERVICES. NOTIFY UTILITY COMPANIES OR MUNICIPAL AGENCIES HAVING JURISDICTION, PROTECT OR REMOVE THESE SERVICES AS DIRECTED.

INTERRUPTION OF UTILITIES: WHERE WORK MAKES TEMPORARY SHUTDOWN OF SERVICES UNAVOIDABLE, SHUT DOWN AT NIGHT, OR AT SUCH TIMES AS APPROVED BY OWNER, WHICH WILL CAUSE LEAST INTERFERENCE WITH ESTABLISHED OPERATING ROUTINE. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVERTIME IF REQUIRED, SO AS TO MAKE THE SHUTDOWN OF SERVICES THE LEAST AMOUNT OF TIME.

MATERIALS

A. COPPER TUBE AND FITTINGS
   1. COPPER DWV TUBE: ASTM B 306, DRAINAGE TUBE, DRAWN TEMPER.

B. PVC PIPE AND FITTINGS
   1. SOLID-WALL PVC PIPE: ASTM D 2665, DRAIN WASTE, AND VENT.
   2. ADHESIVE PRIMER: ASTM F 656.
   3. SOLVENT CEMENT: ASTM D 2564.

PIPE AND FITTINGS:

A. POTABLE WATER IN BUILDING ABOVEGROUND, COLD, HOT, TEMPERED, AND RE-CIRCULATING
   1. COPPER, TYPE L, 3" AND SMALLER, HARD TEMPER WITH CAST BRONZE OR WROUGHT COPPER FITTINGS, OR WITH BRASS OR BRONZE FLARE FITTINGS. JOINTS SHALL BE MADE WITH 95/5 TWANTIMONY SOLDER OR BRAZED. SOLDER CONTAINING LEAD SHALL NOT BE USED. FLUX SHALL BE NON-CORROSIVE TYPE.

B. POTABLE WATER, UNDERGROUND
   1. COPPER, 3" AND SMALLER, TYPE K, SOFT TEMPER WITH BRASS OR BRONZE 125 LB. HEAVY DUTY LONG COLLAR FLARED TYPE FITTINGS. JOINTS INSIDE BUILDING MAY BE CAST BRONZE AND WROUGHT SOLDER JOINT FITTINGS WITH 1/2 SILVER BRAZING ALLOY AND SILVER BRAZING FLUX.

C. UNDERGROUND WASTE AND VENT
   1. SOLID WALL PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED JOINTS.

D. ABOVEGROUND WASTE AND VENT
   2. COPPER DWV TUBE, COPPER DRAINAGE FITTINGS, AND SOLDERED JOINTS.
   3. SOLID WALL PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED JOINTS.

VALVES: ALL VALVES OF ONE TYPE SHALL BE OF ONE MANUFACTURER AND WITH NAME OR TRADEMARK OF MANUFACTURER CAST OR STAMPED ON BODY OF VALVE.

- VALVES FOR WATER 3" AND SMALLER SHALL BE BALL TYPE VALVES WITH A MINIMUM PRESSURE RATING OF 600 WOG, BRONZE BODY MATERIAL, SCREWED ENDS, TWO-PIECE CONSTRUCTION, STEM SHALL HAVE BRASS/TEFLON SEALS, AND CHROME PLATED VALVE.

FURNISH AND INSTALL REQUIRED VALVES FOR PROPER FLOW CONTROL, ISOLATION FOR INSPECTION, MAINTENANCE AND REPAIR OF EACH PIECE OF EQUIPMENT, EACH MAIN, AND BRANCH SERVICE LINE.

UNIONS: PROVIDE UNIONS IN ALL PIPING CONNECTING TO EQUIPMENT SUBJECT TO REPAIR OR REMOVAL.

A. UNIONS SHALL BE OF THE SAME MATERIAL AND FINISH AS THE PIPING SYSTEM. AVOID UNIONS IN STRAIGHT PIPE RUNS OR IN CONCEALED LOCATIONS.
   1. STEEL PIPING SIZES 2" AND SMALLER: MALLEABLE IRON UNIONS WITH GROUND JOINT BRASS TO IRON SEAT, 150 LB. WORKING PRESSURE. GRINNELL 463, STOCKHAM 694, BLACK OR GALVANIZED.
   2. COPPER PIPING: ALL PIPE SIZES: COPPER, GROUND JOINT UNION. CHASE 402, MUELLER WC407.

MAKE ALL REDUCTIONS IN PIPE SIZE WITH ECCENTRIC OR CONCENTRIC, AS APPROPRIATE. REDUCING FITTINGS TO ALLOW FOR COMPLETE GRAVITY DRAINING OF LINES. USE NO BUSHINGS. ALL PIPE NIPPLES SHALL BE OF THE SAME MATERIAL AS LINES IN WHICH THEY OCCUR. MINIMUM SIZE OF WATER PIPING SHALL BE ½" EXCEPT WITHIN 12" OF PLUMBING FIXTURE. SUPPORT ALL PIPING ADEQUATELY TO PREVENT SAG AND POCKETING.

A. CONCEALED PIPING: ALL PIPING SHALL BE CONCEALED EXCEPT AS OTHERWISE SHOWN OR SPECIFIED. PIPING TO BE CONCEALED MUST BE ROUGHED IN AND INSULATED, IF REQUIRED, BEFORE PERMANENT WALLS OR CEILINGS ARE INSTALLED.

B. EXPOSED PIPING: INSTALL EXPOSED PIPING AS CLOSE TO CEILINGS AND BEAMS AS POSSIBLE, MAINTAINING HIGHEST POSSIBLE HEADROOM CONSISTENT WITH THE CORRECT PITCHING OF THE PIPE.

C. THREADED PIPE: ALL SCREW THREADS SHALL BE AMERICAN STANDARD TAPER PIPE THREAD. USE GRAPHITE OR TEFLON TAPE AS LUBRICANT FOR ASSEMBLING. LUBRICATION OF THREADED JOINTS WILL BE ALLOWED ONLY ON THE MALE PIPE THREADS.

SANITARY WASTE PIPING SPECIALTIES:
A. FLOOR DRAINS: FLOOR DRAINS SHALL BE THE DEEP SEAL TYPE AND FILLED WITH VEGETABLE OIL WHERE SUBJECT TO EVAPORATION.
B. FLOOR CLEANOUTS: ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED TOP ADJUSTABLE TO FLOOR FINISH. ZURN Z-1400 OR EQUAL

PRESSURE TESTS: ALL PIPING AND RELATED EQUIPMENT SHALL PROVE TIGHT UNDER REQUIRED TESTS. CONTRACTOR SHALL PROVIDE ALL NECESSARY INSTRUMENTS, GAUGES, APPARATUS, AND PERSONNEL TO PERFORM THE TESTS. ALL TESTS FOR PIPING SYSTEMS, EXCEPT FINAL TESTS OF COMPLETE SYSTEM, SHALL BE MADE BEFORE PIPE IS COVERED, CONCEALED, OR CONNECTED TO FIXTURES AND EQUIPMENT. REMOVE OR PROTECT FROM DAMAGE EQUIPMENT NOT INTENDED TO BE SUBJECTED TO TEST PRESSURES REQUIRED. ALL TEST PRESSURES SHALL REMAIN CONSTANT FOR THE REQUIRED PERIOD WITHOUT ADDITION TO THE TESTING MEDIUM. ALL TESTS SHALL BE MADE IN THE PRESENCE OF THE PROJECT ENGINEER'S DULY AUTHORIZED REPRESENTATIVE. TESTS REQUIRED SHALL NOT BE LESS THAN THE FOLLOWING AND NOT LESS THAN THE APPLICABLE CODES:

A. INTERIOR SEWER AND VENTS: PNEUMATIC, 5 PSIG, 15 MINUTES

B. POTABLE WATER: HYDROSTATIC, 150 PSIG, 2 HOURS

ALL PIPE SHALL PROVE ABSOLUTELY TIGHT FOR THE ENTIRE DURATION OF THE TEST AS EVIDENCED BY BOTH VISUAL INSPECTION AND PRESSURE GAUGE READABLE TO ONE PSIG INCREMENTS. IF ANY LEAK OCCURS, THE CONTRACTOR SHALL MAKE REPAIR OR OTHER CORRECTIVE ACTION AND CONDUCT THE TEST AGAIN.

DISINFECTING AND CLEANING: ALL PIPING SYSTEMS SHALL BE THOROUGH-LY CLEANED AND DISINFECTED PRIOR TO OPERATION AND/OR CONNECTION TO EXISTING SYSTEMS. WHERE NEW SYSTEMS CONNECT TO TO EXISTING, PROVIDE VALVES, DRAINS, ETC., TO ISOLATE THE NEW FOR PROPER CLEANING.

PLUMBING INSULATION: INSULATION SHALL COMPLY WITH ASHRAE, NFPA, ANSI/ASTM, AND FEDERAL SPECIFICATIONS. INSULATION PRODUCTS SHALL BE MANUFACTURED BY ONE OF THE FOLLOWING MANUFACTURERS:

1. MANVILLE CORP.
2. OWENS-CORNING FIBERGLASS CORP.
3. CERTAIN-TEED CORP.
4. KNAUF

REFERENCES: ASTM C547, STANDARD SPECIFICATION FOR MINERAL FIBER PIPE INSULATION. ASTM E24, STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS. UL 723, TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.

PRODUCTS SHALL NOT CONTAIN ASBESTOS, LEAD, MERCURY, OR MERCURY COMPOUNDS.

INSULATION SCHEDULE:
DOMESTIC COLD WATER PIPING: ALL SIZES, 1" INSULATION WITH ASJ JACKET
DOMESTIC HOT WATER PIPING: ALL SIZES, 1" INSULATION WITH ASJ JACKET
DOMESTIC HOT WATER RETURN PIPING: ALL SIZES, 1" INSULATION WITH ASJ JACKET
STORM WATER PIPING: ALL SIZES, 1" INSULATION WITH ASJ JACKET

INSULATION TO HAVE A 0.24 BTU/H/(ft²)(°F)/in². ALL INSULATION TYPES SHALL HAVE FIRE AND SMOKE HAZARD CLASSIFICATION RATINGS FOR EACH INSULATION TYPE AS A COMPOSITE UNIT ASSEMBLY. COMPOSITE ASSEMBLY SHALL CONSIST OF BASIC INSULATION BODY, JACKET OR FACING, AND ADHESIVE BINDING JACKET OF FACING TO INSULATION BODY. RATINGS SHALL NOT EXCEED A FLAME SPREAD CLASSIFICATION OF 25 AND SMOKE DEVELOPED CLASSIFICATION OF 50. ALL INSULATION PRODUCTS, OR THEIR SHIPPING CARTONS OR PACKAGES SHALL BEAR A LABEL INDICATING THAT FLAME AND SMOKE RATINGS DO NOT EXCEED THE STATED REQUIREMENTS.

WHERE PIPE IS SUPPORTED FROM THE INSULATION SUCH AS WITH CLEVIS HANGERS, INSTEAD OF FROM THE PIPE ITSELF, INSERTS AND PROTECTION SHIELDS SHALL BE UTILIZED.

INSULATE ALL PVC PIPING IN PLENUM CEILINGS WITH INSULATION HAVING A FLAME SPREAD CLASSIFICATION OF 25 AND SMOKE DEVELOPED CLASSIFICATION OF 50. AVOID INSTALLING PVC PIPING IN PLENUM CEILINGS.

PLUMBING FIXTURES AND TRIM: COMPLY WITH ALL APPLICABLE PORTIONS OF THE PLUMBING CODE, ANSI STANDARDS, PDI STANDARDS, FEDERAL STANDARDS, UL COMPLIANCE, STATE STANDARDS, LOCAL STANDARDS, AND AMERICANS WITH DISABILITIES ACT (ADA).

APPROVED MANUFACTURERS' LIST: AMERICAN STANDARD, CRANE, ELJER, UNIVERSAL-RUNDLE, KOHLER, CHICAGO FAUCET, DELTA FAUCET, SPEAKMAN, SLOAN VALVE, BENEKE, FORBES-WRIGHT, AND OLSONITE.

WATER CLOSETS INSTALLED IN ACCESSIBLE STALLS SHALL HAVE THE FLUSH HANDLE MOUNTED ON THE WIDE SIDE OF THE ROOM AT NO MORE THAN 44" ABOVE THE FLOOR. ALL WATER CLOSETS SHALL BE EQUIPPED WITH SEATS OF SMOOTH, NON-ABSORBENT MATERIAL. ALL SEATS OF WATER CLOSETS PROVIDED FOR PUBLIC USE SHALL BE ANTIMICROBIAL PLASTIC MATERIAL AND OPEN-FRONT STYLE. NOW WATER CLOSET SEAT SHALL BE MORE THAT 1 1/2 INCHES THICK.

WATER SUPPLIES & TRAPS: FURNISH ALL NECESSARY SUPPLIES, WASTES, TRAPS, STOPS, AND CONNECTORS FROM THE ROUGHED-IN SERVICE TO FIXTURES. EXPOSED FLUSH, WASTE, AND SUPPLY PIPES AT THE FIXTURES SHALL BE POLISH-ED CHROMIUM PLATED BRASS PIPE. STOP VALVES, FLUSH VALVES, ESCUTCHEONS, ETC., SHALL BE HEAVY CAST BRASS WITH POLISHED CHROMIUM PLATING. WATER LINES TO EACH FIXTURE SHALL BE EQUIPPED WITH CHROME PLATED BRASS, LOOSE KEY STOP VALVES. SCREW DRIVER STOPS SHALL BE PROVIDED WITH ALL FLUSH VALVES. PROVIDE VACUUM BREAKERS FOR FLUSH VALVES.

DRINKING FOUNTAINS:
DRINKING FOUNTAINS SHALL BE WALL MOUNTED, VANDAL RESISTANT BI-LEVEL ROUND MADE FROM 18 GAUGE 304 STAINLESS STEEL BOWLS MOUNTED INTO POWDER COATED STEEL BACK PANEL. UNIT SHALL BE ACTIVATED BY FRONT MOUNTED SELF-CLOSING BUTTONS, BY USING LESS THAN 5 LBS OF FORCE, WHICH ACTIVATES INTERNALLY MOUNTED VALVES WITH ADJUSTABLE STREAM REGULATORS FOR CONTROLLING THE WATER FLOW. BUBBLERS SHALL BE POLISHED CHROME PLATED BRASS WITH NON-SQUIRT FEATURES AND OPERATE ON WATER PRESSURE RANGE OF 20-105 PSIG. UNIT SHALL ADHERE TO ANSI A117.1 AND AMERICANS WITH DISABILITIES ACT OF 1990. INSTALL OFF-THE-FLOOR CARRIER SUPPORTS, APPROVED TO BUILDING SUBSTRATE. INSTALL WATER PIPING WITH SHUTOFF VALVE ON SUPPLY TO EACH FIXTURE TO BE CONNECTED TO THE WATER DISTRIBUTION PIPING. INSTALL TRAP AND WASTE PIPING ON DRAIN OUTLET OF EACH FIXTURE TO BE CONNECTED TO SANITARY DRAINAGE SYSTEM. ADJUST FIXTURE FLOW REGULATORS FOR PROPER FLOW AND STREAM HEIGHT.

ELECTRIC TANK TYPE WATER HEATERS:
WATER HEATED TO BE CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE AND UL 174 APPROVED. PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: BRADFORD WHITE, LOCHINVAR, RHEEM, A.O. SMITH, OR STATE. MINIMUM PRESSURE RATING OF STORAGE TANK: 150 PSI. GLASS-LINED STEEL STORAGE TANK. HEATING ELEMENTS TO BE ZINC PLATED COPPER SHEATHS. FACTORY INSTALLED TERMINAL BLOCK. ADJUSTABLE TEMPERATURE CONTROL RANGE OF 90 TO 170F. MANUAL RESET HIGH TEMPERATURE CUTOFF.

SUPPORT UNITS FROM STRUCTURE ABOVE WITH THREADED ROD SUPPORTS. INSTALL SHUT-OFF VALVE ON INLET SIDE OF WATER HEATER. INSTALL COMBINATION TEMPERATURE-AND-PRESSURE RELIEF VALVES IN TOP PORTION OF STORAGE TANKS. USE RELIEF VALVES WITH SENSING ELEMENTS THAT EXTEND INTO TANKS. EXTEND COMMERCIAL-WATER-HEATER RELIEF-VALVE OUTLET, WITH DRAIN PIPING SAME AS DOMESTIC WATER PIPING IN CONTINUOUS DOWNWARD PITCH, AND DISCHARGE BY POSITIVE AIR GAP ONTO CLOSEST FLOOR DRAIN.

POTABLE WATER HEATERS SHALL BE LISTED AND LABELED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTION AND SHALL BE CAPABLE OF BEING REMOVED WITHOUT FIRST REMOVING A PERMANENT PORTION OF THE BUILDING STRUCTURE OR PIPING.

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WOODHOUSE™

CLIENT

**WOODHOUSE SPAS - WILMINGTON, NC**

PROJECT

1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

SEAL

JOHN K. NEVILLE
040676
LICENSED PROFESSIONAL ENGINEER
OF
NORTH CAROLINA

LICENSE EXPIRES ON: 12-31-2025
DATE OF SIGNATURE: 03-14-2025

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LICENSED MECHANICAL ENGINEERS

CLIENT REVIEW

| No. | Issue | Date |
|---|---|---|
| | FOR PERMIT | 03-14-2025 |

Project Number: 25-030
Drawn By: RM / RT
Approved By: JKN

SHEET TITLE & NUMBER

PLUMBING SPECIFICATIONS

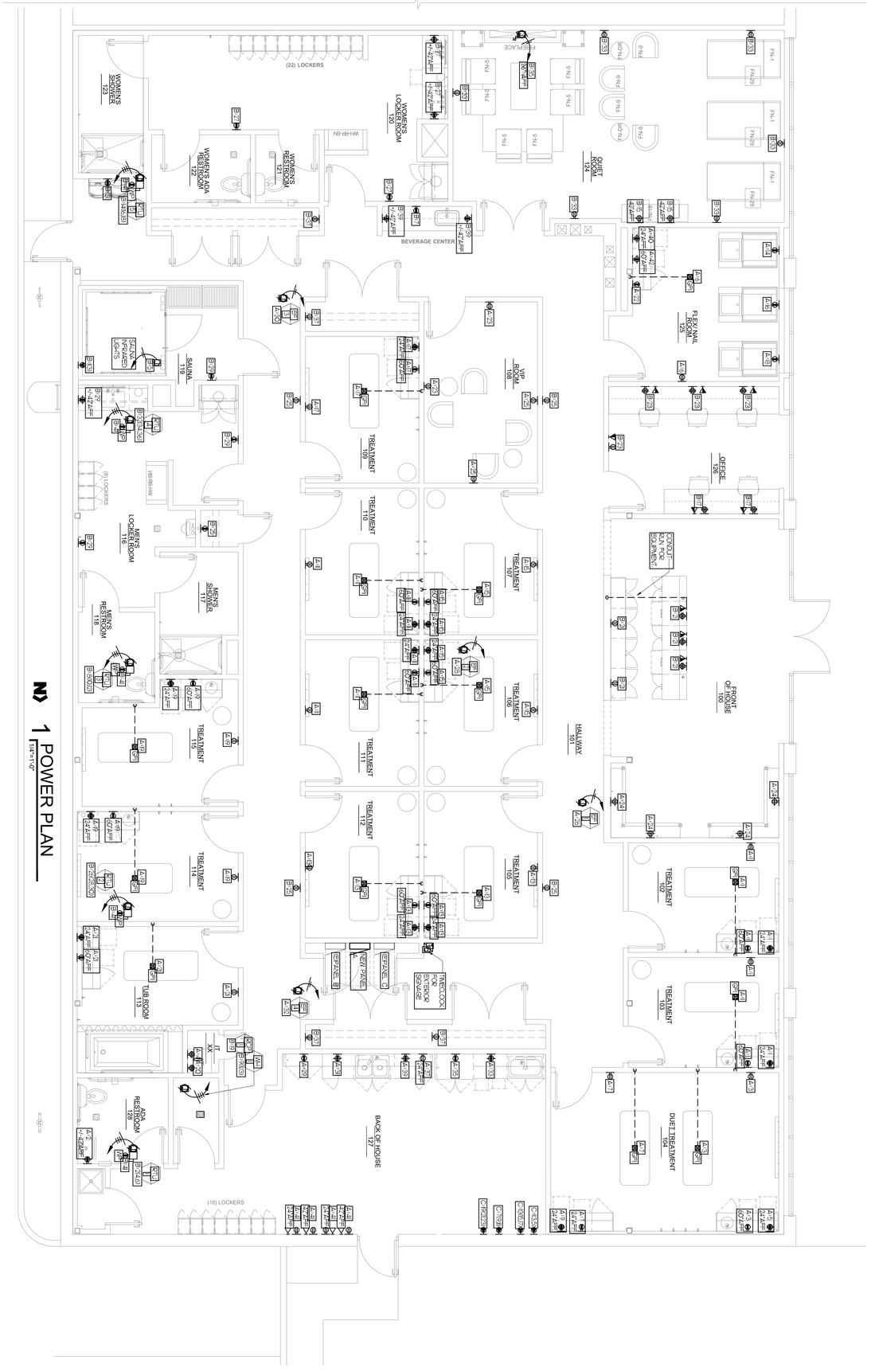
P-3

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PLOT DATE: 3/14/2025 4:13 PM PLOTTED BY: RYAN MCCARTHY




1 POWER PLAN
1/4"=1'-0"

N

NOT FOR CONSTRUCTION

E-1

ELECTRICAL POWER PLAN

SHEET TITLE & NUMBER

CLIENT REVIEW

Project Number: 25-030

Drawn By: RM / RT Approved By: JKN

| No. | Issue | Date |
|---|---|---|
| | FOR PERMIT | 03-14-2025 |

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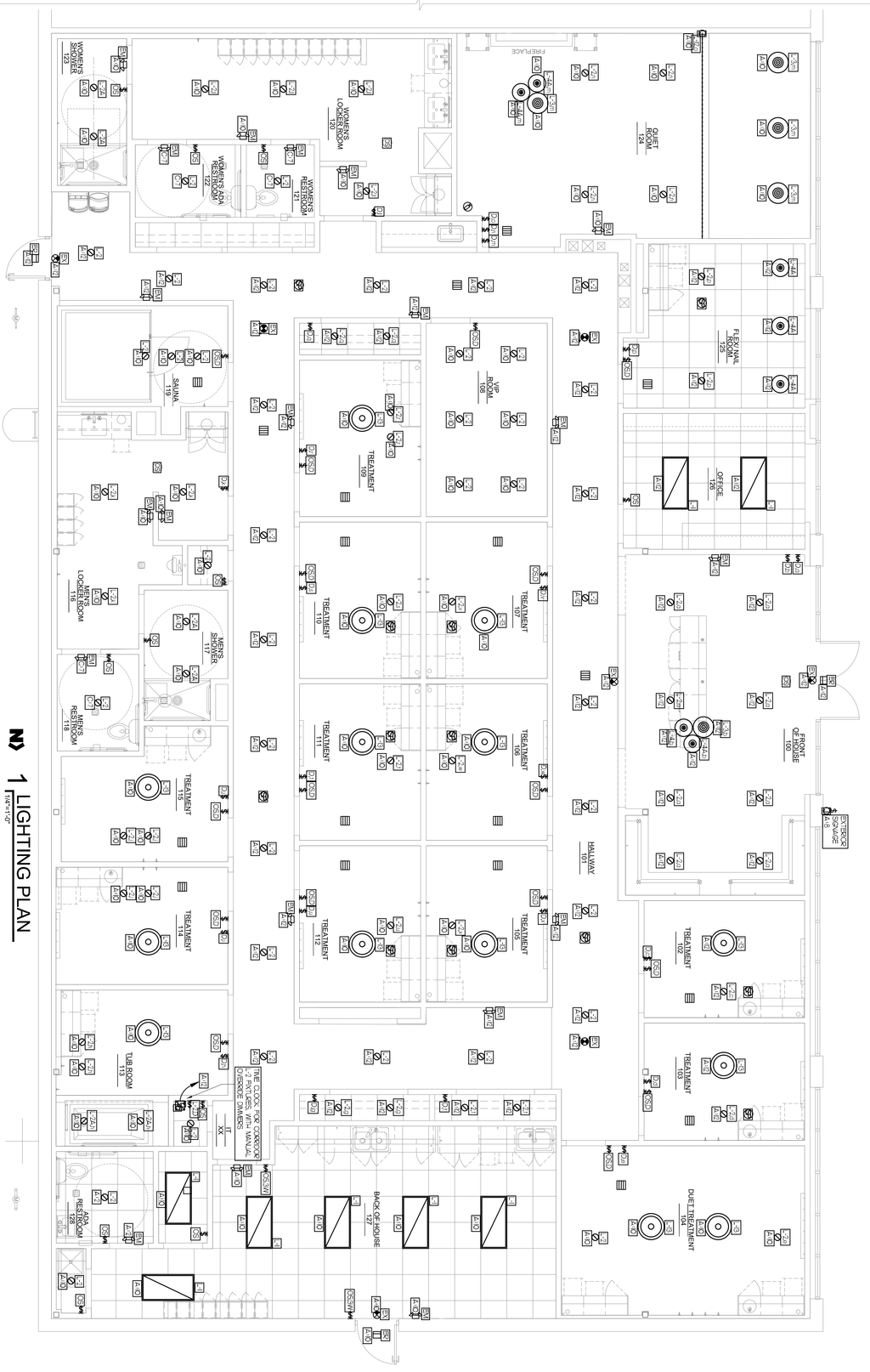
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1 LIGHTING PLAN
1/8"=1'-0"

NOT FOR CONSTRUCTION

E-1.1

ELECTRICAL LIGHTING PLAN

SHEET TITLE & NUMBER

CLIENT REVIEW

Project Number: 25-030

Drawn By: RM / RT Approved By: JKN

| No. | Issue | Date |
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## ELECTRICAL SYMBOL LIST

| | |
|---|---|
| | 2'x4' LIGHT FIXTURE- FIXTURE L-1 |
| | RECESSED CAN LIGHT FIXTURE- FIXTURE L-2 |
| | 2'' DIAMETER WOVEN PENDANT- FIXTURE L-3 |
| | 14'' DIAMETER WOVEN PENDANT- FIXTURE L-4 |
| | LINEAR STRIP/TAPE LIGHT- FIXTURE L-5 |
| L-(x) XP-X-Y | 'L-X' INDICATES FIXTURE TYPE, REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND MOUNTING |
| L-(x) XP-X-Y | 'S' INDICATES SWITCH CONTROL 'XP-X' INDICATES PANEL DESIGNATION 'Y' INDICATES PANEL CIRCUIT NUMBER |
| | WALL MOUNTED LED EMERGENCY LIGHT WITH BATTERY BACK-UP |
| | CEILING MOUNTED LED EMERGENCY LIGHT WITH BATTERY BACK-UP |
| | LED EXIT SIGN WITH BATTERY BACK-UP - CEILING MOUNTED - HATCHED REGION INDICATES EXIT FACE ORIENTATION |
| | LED EXIT SIGN WITH BATTERY BACK-UP - WALL MOUNTED - HATCHED REGION INDICATES EXIT FACE ORIENTATION |
| | EXTERIOR EMERGENCY LIGHT |
| S | SINGLE POLE SWITCH |
| S3W | SINGLE POLE SWITCH - THREE (3) WAY |
| S[x] | SINGLE POLE SWITCH - LETTER INDICATES SWITCH CONTROL |
| S[D] | DIMMING SWITCH |
| S[OS] | WALL SWITCH WITH OCCUPANCY SENSOR |
| | CEILING MOUNT OCCUPANCY SENSOR |
| | LIGHTING CONTROL TIME CLOCK |
| | DUPLEX RECEPTACLE |
| | DOUBLE DUPLEX RECEPTACLE (QUAD) |
| | DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER. 42'' AFF STANDARD. |
| | DUPLEX RECEPTACLE - GFCI TYPE |
| | SIMPLEX RECEPTACLE |
| | 30A TWIST LOCK RECEPTACLE |
| | CEILING MOUNTED DUPLEX RECEPTACLE |
| | DOUBLE DUPLEX RECEPTACLE (QUAD) MOUNTED IN FLOOR |
| | ELECTRICAL J-BOX. CIRCUIT & CONNECTION TO EQUIPMENT/DEVICE |
| | RECESSED WALL BOX. OUTLET FOR DUPLEX OUTLET, COAXIAL CABLE & DATA CONNECTION. |
| | RECESSED WALL BOX. OUTLET FOR DUPLEX OUTLET, COAXIAL CABLE & DATA CONNECTION. |
| | ELECTRICAL BRANCH PANEL |
| | ELECTRICAL DISTRIBUTION PANEL |
| | CONNECTION TO MOTOR EQUIPMENT - SEE EQUIPMENT CONNECTION SCHEDULE |
| OR S | NON-FUSED DISCONNECT SWITCH - SEE EQUIPMENT CONNECTION SCHEDULE |
| | VOICE/DATA ROUGH-IN W/ 1'' CONDUIT STUBBED TO ABOVE CEILING. ROUGH-IN ONLY (WIRING BY OTHERS) |
| | SOUND MASKING EMITTER - BY OTHERS |
| SD | CEILING MOUNT SPEAKER - BY OTHERS |

## GENERAL NOTES:

1. ALL CAT-6 CABLING STUBBED INTO EACH OFFICE AND RECEPTION DESK IN ORDER TO INSTALL WIRELESS INTERNET. CONTRACTOR TO PROVIDE HIGH-SPEED INTERNET FROM LOCAL PROVIDER STUBBED INTO THE DATA CLOSET.
2. ALL SMOKE DETECTOR WIRING TO BE IN ITS OWN RACEWAY.
3. WHEREVER A CIRCUIT CONDUCTORS ARE SPLICE IN A JUNCTION BOX, ANY ASSOCIATED EQUIPMENT GROUNDING CONDUCTORS (EGC) SHALL BE BONDED (PIGTAILED) TO THE BOX.
4. ARC-FLASH HAZARD WARNING MARKINGS SHALL BE PROVIDED ON ELECTRICAL EQUIPMENT LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH NEC 110.16.
5. THE SERVICE DISCONNECT SHALL BE PERMANENTLY MARKED TO IDENTIFY IT AS SUCH.
6. ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT AND THAT REQUIRED WORKING SPACE SHALL NOT BE USED FOR STORAGE.
7. BONDING EQUIVALENT TO THAT REQUIRED FOR SERVICES SHALL BE PROVIDED FOR ALL METAL COMPONENTS IN CLASSIFIED AREAS.

## LED LIGHT FIXTURE SCHEDULE

| FIXT NO. | DESCRIPTION | MANUFACTURER & MODEL NUMBER | VOLTAGE | LAMP QTY. & TYPE | REMARKS |
|---|---|---|---|---|---|
| L-1 | 2'x4' LED PANEL | ENVISION: LED-BPL-2X4-3MSO-TR | 120-VOLT | 40W LED | 2X4 LED PANEL WITH FROSTED WHITE LENS, SWITCH-ABLE LUMEN OUTPUT DRIVER, SWITCH-ABLE COLOR TEMPERATURE AND INTEGRAL T-BAR CLIPS FOR T-GRID CEILINGS. 0-10V DIMMING. |
| L-2A | 4'' LED DOWNLIGHT (WET LOCATION) | LOTUS: LD4Z-50K-WZ-WT W/ LLL-LD6535TR DIMMING DRIVER | MULTI-VOLT | 15W LED | 4'' DOWNLIGHT, IC RATED AND SUITABLE FOR WET LOCATIONS. PROVIDE WITH DIMMING DRIVER AS INDICATED. 0-10V DIMMING. |
| L-2 | 4'' LED DOWNLIGHT | ENVISION: LED-CADM-3M20-5CCT-UNV/CADM-4-SCH/JBOX-ALM | MULTI-VOLT | 12W LED | 4'' DIAMETER RECESSED DOWNLIGHT WITH SWITCH-ABLE LUMEN OUTPUT DRIVER, SWITCH-ABLE COLOR TEMPERATURE, SELF-FLANGED, WHITE TRIM, CLEAR-SPECULAR FINISH, UNIVERSAL MOUNTING PLATE AND JUNCTION BOX. |
| L-3 | 2'' WOVEN LED PENDENT | SERENA-LLY: HEADLANDS BELL PENDANT LA-1488-01 | MULTI-VOLT | 40W LED | 2 1/2 DIAMETER, 27'' HIGH OPEN-WEAVE PENDANT, "NATURAL" COLOR WITH 8' LONG CORD. PROVIDE WITH LED LAMP AS INDICATED (40W EQUIVALENT, DIMMABLE TO 5% LINE VOLTAGE). MOUNT AT 6'-6'' AFF TO BOTTOM OF FIXTURE. |
| L-4 | 14'' WOVEN LED PENDENT | SERENA-LLY: HEADLANDS BELL PENDANT LA-1488-02 | MULTI-VOLT | 40W LED | 14'' DIAMETER, 20'' HIGH OPEN-WEAVE PENDANT, "NATURAL" COLOR WITH 8' LONG CORD. PROVIDE WITH LED LAMP AS INDICATED (40W EQUIVALENT, DIMMABLE TO 5% LINE VOLTAGE). MOUNT AT 7'-4'' AFF TO BOTTOM OF FIXTURE. |
| L-4A | 14'' WOVEN LED PENDENT | SERENA-LLY: HEADLANDS BELL PENDANT LA-1488-02 | MULTI-VOLT | 40W LED | SAME AS L-4, EXCEPT MOUNTED AT 7'-0'' AFF TO BOTTOM OF FIXTURE. |
| L-5 | LED TAPE LIGHT | NOVA-FLEX: NF-PRO-O-120-24V-3000K HOUSING/CHANNEL: NF-CH-6234-2M CHANNEL COVER: NF-CH-6234-C/SOFT-2M | MULTI-VOLT | 5W/FT LED | RECESSED LED TAPE LIGHT FIXTURE. PROVIDE WITH MUD-IN CHANNEL AND SOFT COVER. PROVIDE ALL END CAPS AS REQUIRED AND POWER SUPPLIES AS REQUIRED. REFER TO LIGHTING PLAN FOR TOTAL LENGTH OF RUNS. |
| L-6 | 24'' LED PENDENT | LLLU-GEORGIA: SATYAN PENDANT PAR0140ZTE26SSR95 (AR9) | MULTI-VOLT | 40W LED | 24'' DIAMETER, 12 1/4'' HIGH, JUTE-WRAPPED PENDANT, COLOR - NATURAL, WITH 79-3/4'' LONG CORD. PROVIDE WITH LED LAMP AS INDICATED (40W EQUIVALENT, LINE-VOLTAGE DIMMABLE TO 5%). MOUNT AT 6'-10'' AFF TO BOTTOM OF FIXTURE. |
| EX | EXIT SIGN | CONTECH: EXAMPREMP | MULTI-VOLT | 3.8W LED | RECESSED, LED EDGE-LIT EXIT SIGN WITH MAINTENANCE FREE NICKEL CADMIUM BATTERY, SELF-DIAGNOSTICS, BRUSHED ALUMINUM HOUSING, CLEAR ACRYLIC PANEL WITH RED LETTERS ON MIRROR FACE. UNIVERSAL DIRECTIONAL INDICATORS AND UNIVERSAL INSTALLATION. PROVIDE NUMBER OF FACES AS INDICATED ON PLAN AND CEILING RECESSED OR WALL MOUNT OPTION AS REQUIRED. |
| EM | EMERGENCY LIGHT | -LUBBELL COMPASS: CUZ*O | MULTI-VOLT | 2.4W LED | SURFACE MOUNT LED EMERGENCY LIGHT, NICKEL CADMIUM BATTERY, THERMOPLASTIC HOUSING, SHORT-CIRCUIT PROTECTION. |
| EW | EXTERIOR EMERGENCY LIGHT | SPECIALTY LIGHTING GROUP: IB-LED2*WPMV | MULTI-VOLT | 4W LED | SURFACE MOUNT EXTERIOR LED EMERGENCY LIGHT, DIE CAST ALUMINUM HOUSING AND VANDAL RESISTANT, BOROSILICATE GLASS LENSES. HIGH-EFFICACY, LONG-LIFE LED'S. |

## MOUNTING HEIGHTS FOR ELECTRICAL DEVICES

| DEVICE | MOUNTING HEIGHTS |
|---|---|
| LIGHT SWITCHES, WALL MOUNTED OCCUPANCY SENSORS | 48'' TO CENTERLINE OF BOX. EXCEPTION: 44'' MAXIMUM TO TOP ABOVE COUNTERS WHICH ARE 20''-25'' D. |
| DISCONNECT SWITCHES, MOTOR STARTERS, MOTOR PUSH BUTTON STATIONS | 60'' TO CENTERLINE. |
| WALL MOUNTED EXIT SIGNS | 90'' TO CENTERLINE OF SIGN OR CENTERED IN WALL AREA BETWEEN TOP OF DOOR AND CEILING. |
| CEILING MOUNTED EXIT SIGNS | 80'' TO BOTTOM FIXTURE. |
| RECEPTACLES | 6'' TO BOTTOM OF BOX. EXCEPTION: 44'' MAXIMUM TO TOP ABOVE COUNTERS WHICH ARE 20''-25'' D. |
| SPECIAL OUTLETS OR RECEPTACLES | 6'' TO BOTTOM OF BOX OR AS NOTED ON DRAWINGS. EXCEPTION: 44'' MAXIMUM TO TOP ABOVE COUNTERS WHICH ARE 20''-25'' D. |
| DATA/COMMUNICATION OR TELEPHONE OUTLETS | 6'' TO BOTTOM OF BOX. |
| FIRE ALARM MANUAL PULL STATIONS | 48'' TO CENTERLINE OF BOX - NOT MORE THAN 5'-0'' FROM EXIT. |
| FIRE ALARM AUDIBLE ONLY DEVICE | NOT LESS THAN 90'' TO TOP OR 6'' BELOW CEILING, WHICH EVER IS HIGHER. |
| FIRE ALARM VISUAL ONLY DEVICE OR A COMBINATION AUDIBLE AND VISUAL DEVICE | 80'' TO BOTTOM OF DEVICE OR NOT MORE THAN 96'' TO TOP. |
| WALL MOUNTED REMOTE INDICATOR LIGHT | 80'' TO CENTERLINE OF DEVICE OR 6'' BELOW CEILING, WHICH-EVER IS LOWER. |

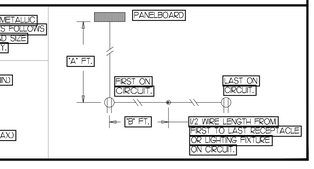
NOTES:
1. ALL DIMENSIONS ARE CONSIDERED FROM FINISHED FLOOR AND, UNLESS NOTED OTHERWISE, SHALL NOT VARY. RAISED FLOORS SHALL BE CONSIDERED FINISHED FLOOR.
2. ALL DIMENSIONS SHALL BE COORDINATED WITH ARCHITECTURAL DETAILS AND MAY BE ADJUSTED TO CONFORM WITH ARCHITECTURAL REQUIREMENTS AS LONG AS NO CODE RESTRICTION IS VIOLATED.
3. OUTLETS INSTALLED LOWER THAN 15'' AFF (FORWARD REACH) AND 9'' AFF (SIDE REACH) ARE IN VIOLATION OF ADA.

SPECIAL NOTES:
1. EXIT SIGNS SHALL NOT BE INSTALLED SO THAT IT BLOCKS FIRE ALARM VISUAL DEVICES.
2. FOR LIGHTING FIXTURES MOUNTING HEIGHTS SEE SCHEDULE AND DRAWINGS.

## WIRE SIZING TABLE

FOR MULTI-VOLT-20A BRANCH CIRCUITS ONLY (UNLESS NOTED OTHERWISE)

| IF DISTANCE (A-B) IN FEET IS: (SEE DIAGRAM AT RIGHT) | USE COPPER WIRE IN METALLIC CONDUIT, AWG SIZE AS FOLLOWS ON ENTIRE CIRCUIT AND SIZE CONDUIT ACCORDINGLY. |
|---|---|
| '0' TO '45' | #12 AWG (MIN) |
| '45' TO '72' | #10 AWG |
| '72' TO '90' | #8 AWG |
| '90' TO '150' | #6 AWG (MAX) |

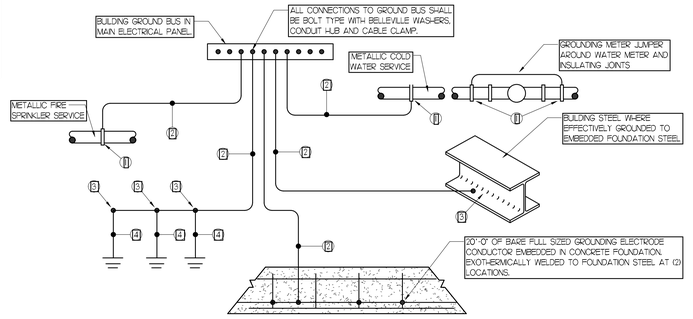



## LIGHTING SWITCH NOTES

| | |
|---|---|
| 3 | 3-WAY SWITCH |
| D | DIMMER SWITCH |
| VS | VACANCY SENSING DEVICE (HEAT/MOTION) |
| VSD | DIMMING VACANCY SENSING DEVICE (HEAT/MOTION) |
| OS | OCCUPANT SENSING DEVICE |
| OSD | OCCUPANT SENSING DEVICE (HEAT/MOTION) |
| (E) | EXISTING TO REMAIN |

## FIRE ALARM SYSTEM

FIRE ALARM SYSTEM IS TO BE DONE BY PROJECT FIRE ALARM CONTRACTOR, SELECTED BY OWNER AND BE DONE UNDER A SEPARATE PERMIT, WITH THE CITY OF WILMINGTON, NORTH CAROLINA.




## SERVICE GROUND DETAIL KEYED NOTES

1. TH-OMAS & BETTS 3900 BU GROUND CLAMP WITH 3/4'' CONDUIT HUB AND CABLE CLAMP.
2. FULL SIZE GROUNDING ELECTRODE.
3. EXOTHERMICALLY WELDED (TYPICAL).
4. DRIVEN GROUND RODS 3/4'' x 10'' COPPER - LOCATION SHOWN ON PLAN.

## SERVICE GROUND DETAIL GENERAL NOTES

1. WHEN AVAILABLE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL GROUNDING MEANS INDICATED. CONTRACTOR TO REFER TO ONE-LINE DIAGRAM FOR GROUNDING ELECTRODE SIZING. CONTRACTOR SHALL REFER ELECTRICAL SPECIFICATION FOR SPECIFICS OF GROUNDING SYSTEM INSTALLATION AND MATERIALS.
2. ELECTRICAL INSPECTOR TO FIELD VERIFY THE BONDING OF THE WATER PIPE SYSTEM AT THE WATER HEATER. THE WATER HEATER SHALL BE JUMPERED BETWEEN THE COLD AND HOT WATER PIPES WITH A JUMPER SIZED ACCORDING TO NEC TABLE 250.66. PER NEC 250.104(A)(1) AND ANY METAL GAS PIPING SHALL BE BONDED, PER NEC 250.104(B).

## 1 SERVICE GROUNDING DETAIL
SCALE: NO SCALE

### PANEL SCHEDULE — (EXISTING) PANEL B

PANEL: (EXISTING) PANEL B
JOB NO.
WOODHOUSE SPA

SURFACE MOUNT: X
FLUSH MOUNT:
MAIN BREAKER: AMPS
MAIN LUG ONLY: X — 400 AMPS
DOUBLE MAIN LUGS:

MAIN BUS 400 AMPS
VOLTAGE 120/208 V
PHASE 3 P
WIRE 4 W
AIC RATING 65K AMPS

| CKT NO. | BREAKER POLE | BREAKER AMP | BREAKER CLASS | DESCRIPTION | LOAD IN KVA LTG | LOAD IN KVA REC | LOAD IN KVA MTR | CKT NO. | BREAKER POLE | BREAKER AMP | BREAKER CLASS | DESCRIPTION | LOAD IN KVA LTG | LOAD IN KVA REC | LOAD IN KVA MTR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 20 | | SAUNA | | | 1.31 | A 2 | | | | | | | 3.73 |
| 3 | | | | | | | 1.31 | B 4 | 3 | 45 | | RTU-1 | | | 3.73 |
| 5 | 1 | 20 | | INFRARED SAUNA LIGHTS | 0.24 | | | C 6 | | | | | | | 3.73 |
| 7 | 1 | 20 | | BEVERAGE CENTER REFRIGERATOR | | 0.80 | | A 8 | | | | | | | 3.73 |
| 9 | | | | | | | 5.00 | B 10 | 3 | 45 | | RTU-3 | | | 3.73 |
| 11 | 3 | 50 | | WATER HEATER | | | 5.00 | C 12 | | | | | | | 3.73 |
| 13 | | | | | | | 5.00 | A 14 | | | | | | | 3.73 |
| 15 | 1 | 20 | | QUIET ROOM 124 RECEPTACLES | 0.36 | | | B 16 | 3 | 45 | | RTU-5 | | | 3.73 |
| 17 | 1 | 20 | | OFFICE 126 RECEPTACLES | 0.72 | | | C 18 | | | | | | | 3.73 |
| 19 | 1 | 20 | | RCP-1 | | | 0.06 | A 20 | | | | | 1.25 | 9.28 | 1.06 |
| 21 | 1 | 20 | | F.O.H. 100 RECEPTION RECEPTS. | 1.44 | | | B 22 | 3 | 100 | | PANEL A | 1.50 | 8.66 | 0.53 |
| 23 | 1 | 20 | | OFFICE 126 RECEPTACLES | 1.26 | | | C 24 | | | | | 0.90 | 9.51 | 0.53 |
| 25 | 1 | 20 | | CORRIDOR RECEPTS. | 0.90 | | | A 26 | | | | | | | 4.80 |
| 27 | 1 | 20 | | WOMEN'S LOCKER ROOM RECEPS | 0.72 | | | B 28 | 3 | 45 | | RTU-2 | | | 4.80 |
| 29 | 1 | 20 | | MEN'S LOCKER ROOM RECEPS | 0.54 | | | C 30 | | | | | | | 4.80 |
| 31 | 1 | 20 | | DRINKING FOUNTAIN | 0.50 | | | A 32 | | | | | | | 3.12 |
| 33 | 1 | 20 | | QUIET ROOM RECEPTACLES | 1.08 | | | B 34 | 3 | 30 | | RTU-4 | | | 3.12 |
| 35 | 1 | 20 | | QUIET ROOM FIRE PLACE | 1.00 | | | C 36 | | | | | | | 3.12 |
| 37 | 1 | 20 | | CLOSET RECEPTACLES | 0.72 | | | A 38 | | | | SPARE | | | |
| 39 | 1 | 20 | | CORRIDOR BEV. CENTER RECEPTS. | 0.36 | | | B 40 | | | | SPARE | | | |
| 41 | 1 | 20 | | RTU RECEPTACLES | 0.90 | | | C 42 | | | | SPARE | | | |

P-P VOLTS 208

| | PHASE LOADING | PH A | PH B | PH C |
|---|---|---|---|---|
| CONNECTED LOAD - PHASE A | CONNECTED LOAD (KVA) | 1.25 | 12.2 | 26.54 |
| CONNECTED LOAD - PHASE B | CONNECTED LOAD (KVA) | 1.5 | 12.62 | 25.95 |
| CONNECTED LOAD - PHASE C | CONNECTED LOAD (KVA) | 1.14 | 13.93 | 24.64 |
| TOTALS | | 3.9 | 38.8 | 77.1 |
| TOTAL CONNECTED LOAD (KVA) | | 119.8 | | |
| PHASE LOADING | | PH A | PH B | PH C |
| CONNECTED LOAD (KVA) | | 40.0 | 40.1 | 39.7 |
| CONNECTED LOAD (AMPS) | | 333.0 | 333.7 | 330.7 |

NOTES
EXISTING PANEL. NEW CIRCUITS ARE IN **BOLD**. EXISTING CIRCUITS ARE NOT BOLDED. RE-CIRCUIT EXISTING EQUIPMENT AS NEEDED. EXISTING ELECTRICAL SERVICE TO REMAIN.

| ITEM | CONNECTED LOAD (KW) | DEMAND FACTOR | DEMAND LOAD |
|---|---|---|---|
| LIGHTING | 3.89 | 125% | 4.86 |
| HVAC | 74.51 | 100% | 74.51 |
| REFRIGERATION | 1.60 | 100% | 1.6 |
| KITCHEN EQUIPMENT | 0.00 | 65% | 0.0 |
| RECEPTACLES FIRST 10KW | 10.00 | 100% | 10.0 |
| RECEPTACLES OVER 10KW | 29.80 | 50% | 14.90 |
| TOTAL (KVA) | 119.80 | | 105.9 |
| TOTAL (AMPS) | 332.93 | | 294.22 |

### PANEL SCHEDULE — (NEW) PANEL A

PANEL: (NEW) PANEL A
JOB NO.
WOODHOUSE SPA

SURFACE MOUNT: X
FLUSH MOUNT:
MAIN BREAKER: AMPS
MAIN LUG ONLY: X — 100 AMPS
DOUBLE MAIN LUGS:

MAIN BUS 100 AMPS
VOLTAGE 120/208 V
PHASE 3 P
WIRE 4 W
AIC RATING 10K AMPS

| CKT NO. | BREAKER POLE | BREAKER AMP | BREAKER CLASS | DESCRIPTION | LOAD IN KVA LTG | LOAD IN KVA REC | LOAD IN KVA MTR | CKT NO. | BREAKER POLE | BREAKER AMP | BREAKER CLASS | DESCRIPTION | LOAD IN KVA LTG | LOAD IN KVA REC | LOAD IN KVA MTR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 20 | | TREATMENT 102/103 RECEPTACLES | 1.65 | | | A 2 | 1 | 20 | | RESTROOM LTG/REC | 0.05 | 0.18 | |
| 3 | 1 | 20 | | DUAL TREATMENT 104 RECEPTACLES | 1.41 | | | B 4 | 1 | 20 | | IT DEDICATED QUAD | | 0.36 | |
| 5 | 1 | 20 | | DUAL TREATMENT 104 RECEPTACLES | 1.41 | | | C 6 | 1 | 20 | | FLEX/NAIL ROOM 125 RECEPTACLES | | 0.83 | |
| 7 | 1 | 20 | | DUAL TREATMENT 104 RECEPTACLES | 1.56 | | | A 8 | 1 | 20 | | EXTERIOR SIGNAGE | 1.20 | | |
| 9 | 1 | 20 | | DUAL TREATMENT 104 RECEPTACLES | 1.56 | | | B 10 | 1 | 20 | | GENERAL LIGHTING | 1.50 | | |
| 11 | 1 | 20 | | TREATMENT 110/111 RECEPTACLES | 1.65 | | | C 12 | 1 | 20 | | GENERAL LIGHTING | 0.90 | | |
| 13 | 1 | 20 | | TREATMENT 105/112 RECEPTACLES | 1.65 | | | A 14 | 1 | 20 | | NAIL CHAIR | | 1.19 | |
| 15 | 1 | 20 | | TREATMENT 106/107 RECEPTACLES | 1.65 | | | B 16 | 1 | 20 | | NAIL CHAIR | | 1.19 | |
| 17 | 1 | 20 | | TREATMENT 109 RECEPTACLES | 0.83 | | | C 18 | 1 | 20 | | NAIL CHAIR | | 1.19 | |
| 19 | 1 | 20 | | TREATMENT 114/115 RECEPTACLES | 1.65 | | | A 20 | 1 | 20 | | IT DEDICATED QUAD | | 0.36 | |
| 21 | 1 | 20 | | TUB ROOM 113 RECEPTACLES | 0.83 | | | B 22 | 1 | 20 | | FLEX/NAIL ROOM 125 REFRIGERATOR | | 0.80 | |
| 23 | 1 | 20 | | VIP ROOM 108 | 0.36 | | | C 24 | 1 | 20 | | FRONT OF HOUSE 100 SHELF RECEPTS. | | 0.72 | |
| 25 | 1 | 20 | | VIP ROOM 108 | 0.36 | | | A 26 | 1 | 15 | | EF-1 | | | 0.53 |
| 27 | 1 | 20 | | SECURITY | 0.50 | | | B 28 | 1 | 15 | | EF-2 | | | 0.53 |
| 29 | 1 | 20 | | INSINKERATOR WATER DISPENSER | 1.30 | | | C 30 | 1 | 15 | | EF-3 | | | 0.53 |
| 31 | 1 | 20 | | BACK OF HOUSE 127 RECEPTACLE | 0.18 | | | A 32 | 1 | 15 | | EF-4 | | | 0.53 |
| 33 | 1 | 20 | | BACK OF HOUSE 127 RECEPTACLE | 0.18 | | | B 34 | 1 | 20 | | SPARE | | | |
| 35 | 1 | 20 | | BACK OF HOUSE 127 RECEPTACLE | 0.50 | | | C 36 | 1 | 20 | | SPARE | | | |
| 37 | 1 | 20 | | BACK OF HOUSE 127 RECEPTACLE | 0.50 | | | A 38 | 1 | 20 | | SPARE | | | |
| 39 | 1 | 20 | | BACK OF HOUSE 127 RECEPTACLE | 0.18 | | | B 40 | 1 | 20 | | SPARE | | | |
| 41 | 1 | 20 | | BACK OF HOUSE 105 WORKSTATION RECEPTS. | 0.72 | | | C 42 | 1 | 20 | | SPARE | | | |

P-P VOLTS 208

| | PHASE LOADING | PH A | PH B | PH C |
|---|---|---|---|---|
| CONNECTED LOAD - PHASE A | CONNECTED LOAD (KVA) | 1.25 | 9.28 | 1.06 |
| CONNECTED LOAD - PHASE B | CONNECTED LOAD (KVA) | 1.5 | 8.66 | 0.53 |
| CONNECTED LOAD - PHASE C | CONNECTED LOAD (KVA) | 0.9 | 9.51 | 0.53 |
| TOTALS | | 3.7 | 27.5 | 2.1 |
| TOTAL CONNECTED LOAD (KVA) | | 33.2 | | |
| PHASE LOADING | | PH A | PH B | PH C |
| CONNECTED LOAD (KVA) | | 11.6 | 10.7 | 10.9 |
| CONNECTED LOAD (AMPS) | | 96.5 | 89.0 | 91.1 |

NOTES
EXISTING PANEL. NEW CIRCUITS ARE IN **BOLD**. EXISTING CIRCUITS ARE NOT BOLDED. RE-CIRCUIT EXISTING EQUIPMENT AS NEEDED. PANEL FED FROM SEPARATE METER. EXISTING ELECTRICAL SERVICE TO REMAIN.
**ELECTRICAL CONTRACTOR TO ENSURE PANEL HAS ENOUGH CAPACITY.**

| ITEM | CONNECTED LOAD (KW) | DEMAND FACTOR | DEMAND LOAD |
|---|---|---|---|
| LIGHTING | 3.65 | 125% | 4.6 |
| HVAC | 2.12 | 100% | 2.1 |
| REFRIGERATION | 0.80 | 100% | 0.8 |
| KITCHEN EQUIPMENT | 0.00 | 65% | 0.0 |
| RECEPTACLES FIRST 10KW | 10.00 | 100% | 10.0 |
| RECEPTACLES OVER 10KW | 16.65 | 50% | 8.3 |
| TOTAL (KVA) | 33.22 | | 25.8 |
| TOTAL (AMPS) | 92.32 | | 71.7 |

### PANEL SCHEDULE — (EXISTING) PANEL C

PANEL: (EXISTING) PANEL C
JOB NO.
WOODHOUSE SPA

SURFACE MOUNT: X
FLUSH MOUNT:
MAIN BREAKER: AMPS
MAIN LUG ONLY: X — 200 AMPS
DOUBLE MAIN LUGS:

MAIN BUS 225 AMPS
VOLTAGE 120/208 V
PHASE 3 P
WIRE 4 W
AIC RATING 22K AMPS

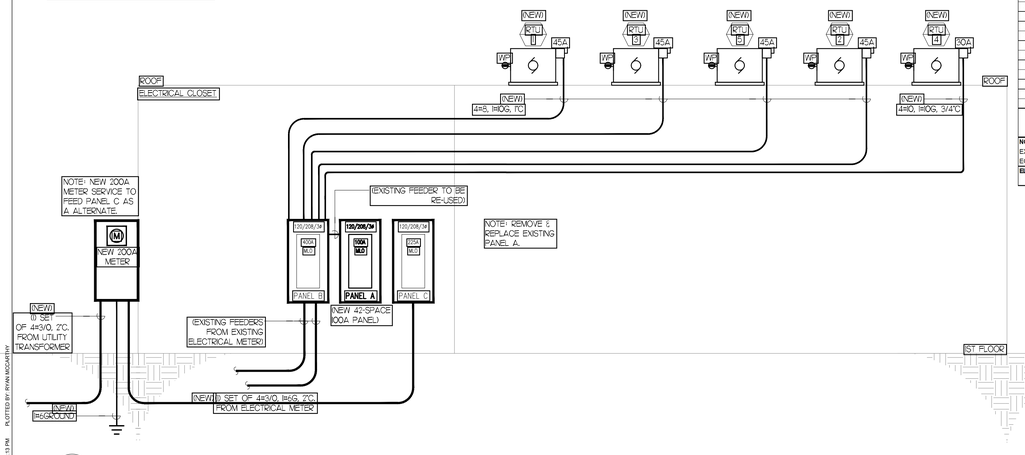
| CKT NO. | BREAKER POLE | BREAKER AMP | BREAKER CLASS | DESCRIPTION | LOAD IN KVA LTG | LOAD IN KVA REC | LOAD IN KVA MTR | CKT NO. | BREAKER POLE | BREAKER AMP | BREAKER CLASS | DESCRIPTION | LOAD IN KVA LTG | LOAD IN KVA REC | LOAD IN KVA MTR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | SPARE | | | | A 2 | 1 | 20 | | SPARE | | | |
| 3 | 3 | 15 | | WASHER | | | 0.78 | B 4 | 1 | 20 | | SPARE | | | |
| 5 | | | | | | | 0.78 | C 6 | 1 | 20 | | SPARE | | | |
| 7 | | | | SPARE | | | 0.78 | A 8 | 1 | 20 | | SPARE | | | |
| 9 | 3 | 15 | | WASHER | | | 0.78 | B 10 | 1 | 20 | | SPARE | | | |
| 11 | | | | | | | 0.78 | C 12 | 1 | 20 | | SPARE | | | |
| 13 | | | | SPARE | | | 10.20 | A 14 | 1 | 20 | | SPARE | | | |
| 15 | 3 | 90 | | DRYER | | | 10.20 | B 16 | 1 | 20 | | SPARE | | | |
| 17 | | | | | | | 10.20 | C 18 | 1 | 20 | | SPARE | | | |
| 19 | | | | SPARE | | | 10.20 | A 20 | 1 | 20 | | SPARE | | | |
| 21 | 3 | 90 | | DRYER | | | 10.20 | B 22 | 1 | 20 | | SPARE | | | |
| 23 | | | | | | | 10.20 | C 24 | 1 | 20 | | SPARE | | | |
| 25 | 1 | 20 | | SPARE | | | | A 26 | 1 | 20 | | SPARE | | | |
| 27 | 1 | 20 | | SPARE | | | | B 28 | 1 | 20 | | SPARE | | | |
| 29 | 1 | 20 | | SPARE | | | | C 30 | 1 | 20 | | SPARE | | | |
| 31 | 1 | 20 | | SPARE | | | | A 32 | 1 | 20 | | SPARE | | | |
| 33 | 1 | 20 | | SPARE | | | | B 34 | 1 | 20 | | SPARE | | | |
| 35 | 1 | 20 | | SPARE | | | | C 36 | 1 | 20 | | SPARE | | | |
| 37 | 1 | 20 | | SPARE | | | | A 38 | 1 | 20 | | SPARE | | | |
| 39 | 1 | 20 | | SPARE | | | | B 40 | 1 | 20 | | SPARE | | | |
| 41 | 1 | 20 | | SPARE | | | | C 42 | 1 | 20 | | SPARE | | | |

P-P VOLTS 208

| | PHASE LOADING | PH A | PH B | PH C |
|---|---|---|---|---|
| CONNECTED LOAD - PHASE A | CONNECTED LOAD (KVA) | 0 | 0 | 21.96 |
| CONNECTED LOAD - PHASE B | CONNECTED LOAD (KVA) | 0 | 0 | 21.96 |
| CONNECTED LOAD - PHASE C | CONNECTED LOAD (KVA) | 0 | 0 | 21.96 |
| TOTALS | | 0.0 | 0.0 | 65.9 |
| TOTAL CONNECTED LOAD (KVA) | | 65.9 | | |
| PHASE LOADING | | PH A | PH B | PH C |
| CONNECTED LOAD (KVA) | | 22.0 | 22.0 | 22.0 |
| CONNECTED LOAD (AMPS) | | 182.9 | 182.9 | 182.9 |

NOTES
EXISTING PANEL. NEW CIRCUITS ARE IN **BOLD**. EXISTING CIRCUITS ARE NOT BOLDED. RE-CIRCUIT EXISTING EQUIPMENT AS NEEDED. PANEL FED FROM SEPARATE METER. EXISTING ELECTRICAL SERVICE TO REMAIN.
**ALTERNATE NOTE: PANEL TO BE FED BY NEW 200A METER AS A ALTERNATE.**

| ITEM | CONNECTED LOAD (KW) | DEMAND FACTOR | DEMAND LOAD |
|---|---|---|---|
| LIGHTING | 0.00 | 125% | 0.0 |
| HVAC | 65.88 | 100% | 65.9 |
| REFRIGERATION | 0.00 | 100% | 0.0 |
| KITCHEN EQUIPMENT | 0.00 | 65% | 0.0 |
| RECEPTACLES FIRST 10KW | 0.00 | 100% | 0.0 |
| RECEPTACLES OVER 10KW | 0.00 | 50% | 0.0 |
| TOTAL (KVA) | 65.88 | | 65.9 |
| TOTAL (AMPS) | 183.08 | | 183.1 |




## 2 SINGLE LINE ELECTRICAL DIAGRAM
SCALE: NO SCALE

PLOT DATE: 3/14/2025 4:13 PM PLOTTED BY: RYAN MCCARTHY

MUNICIPAL APPROVAL STAMP

NOT FOR CONSTRUCTION

WOODHOUSE™

**WOODHOUSE SPAS - WILMINGTON, NC**
1121 MILITARY CUTOFF RD
WILMINGTON, NC 28105

CLIENT

PROJECT

SEAL

JOHN K. NEVILLE 040676 LICENSED PROFESSIONAL ENGINEER OF NORTH CAROLINA

LICENSE EXPIRES ON: 12-31-2025
DATE OF SIGNATURE: 03-14-2025

ARCHITECT: DXU ARCHITECTS, 412 S. 6th Ave Pittsburg, Kansas 66762, 620.235.2233

CONSULTANT: NEVILLE ENGINEERING SERVICE, INC., 1225 W. LEMONT ST. | ROMEOVILLE, IL 60446, 630.243.2004

CLIENT REVIEW

| No. | Issue | Date |
|---|---|---|
| | FOR PERMIT | 03-14-2025 |

Project Number: 25-030
Drawn By: RM / RT
Approved By: JKN

SHEET TITLE & NUMBER

ELECTRICAL SCHEDULES & NOTES

E-2

# ELECTRICAL SPECIFICATIONS:

SCOPE: THIS SPECIFICATION REQUIRES ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO MAKE A COMPLETE AND ACCEPTABLE ELECTRICAL INSTALLATION AS SPECIFIED HEREIN AND SHOWN ON DRAWINGS. PROVIDE ALL ITEMS, ARTICLES, OPERATIONS, OR METHODS LISTED, MENTIONED, OR SCHEDULED HEREIN OR ON THE DRAWINGS, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY AND REQUIRED FOR COMPLETION OF THE WORK.

REGULATIONS, CODES, AND STANDARDS: CURRENT CODE REQUIREMENTS SHALL BE SATISFIED. WHERE REQUIRED BY LOCAL, STATE, OR FEDERAL AUTHORITY HAVING JURISDICTION, NO EQUIPMENT WILL BE ACCEPTED UNLESS IT BEARS THE ACCEPTANCE LABEL OF AN APPROPRIATE TESTING AGENCY.

SHOP DRAWINGS: SUBMIT TO THE PROJECT ENGINEER, FOR APPROVAL, SHOP DRAWINGS FOR ALL EQUIPMENT LISTED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE GENERAL CONDITIONS AND SUPPLEMENTARY CONDITIONS. ALLOW 10 BUSINESS DAYS FOR REVIEW BY ARCHITECT/ENGINEER. SUBMITTALS SHALL INCLUDE AS A MINIMUM THE FOLLOWING:

A. PRODUCT DATA: MANUFACTURER'S LITERATURE DESCRIBING ITEM. MODEL NUMBERS PROPOSED SHALL BE IDENTIFIED WHEN THE LITERATURE DESCRIBES MORE THAN (1) ITEM.
B. MANUFACTURER'S SUBMITTAL: SHOWING ELECTRICAL REQUIREMENTS AND CONNECTION LOCATIONS SHALL BE PROVIDED.
C. MAINTENANCE DATA: SUBMIT MAINTENANCE DATA AND PARTS LIST FOR EACH TYPE OF EQUIPMENT REQUIRING PERIODIC MAINTENANCE.

ALL SHOP DRAWINGS SUBMITTED SHALL BE STAMPED, DATED, AND SIGNED BY THE CONTRACTOR TO CERTIFY THAT THEY HAVE BEEN CHECKED BY HIM AS TO CAPACITIES, DIMENSIONS, SPACE REQUIREMENTS AND LIMITATIONS, AND ANY AND ALL OTHER REQUIREMENTS, AND FOUND ACCEPTABLE. APPROVAL OF SHOP DRAWINGS BY THE PROJECT ENGINEER SHALL NOT RELIEVE CONTRACTOR FROM FULFILLING OPERATIONAL REQUIREMENTS, OR FURNISHING ALL MATERIAL AND EQUIPMENT SPECIFIED OR NOTED, WHETHER OR NOT SPECIFICALLY SHOWN ON THE SHOP DRAWINGS. THE QUANTITY TO BE SUBMITTED SHALL BE THE NUMBER REQUIRED BY THE GENERAL CONTRACTOR.

AS-BUILT DRAWINGS: THE CONTRACTOR SHALL SUBMIT AT COMPLETION ONE (1) SET OF MARKED-UP CONTRACT DRAWINGS WHICH SHOW ALL MODIFICATIONS TO THE CONTRACT AND CHANGES OF LOCATIONS, MATERIALS, OR CONFIGURATIONS. THIS SET SHALL BE SUBMITTED WITH THE OPERATING MANUALS TO THE PROJECT ENGINEER.

OPERATING MANUALS: PROVIDE THREE (3) MANUALS, EACH WITH A COMPLETE SET OF COPIES OF SHOP DRAWINGS REQUIRED FOR THE PROJECT INCLUDING, MANUFACTURER'S TESTING, CLEANING AND MAINTENANCE INSTRUCTIONS, LIST OF MATERIALS FOR MAINTENANCE, PARTS LIST, WIRING DIAGRAMS, AND NAME AND ADDRESS OF AUTHORIZED SERVICE ORGANIZATION AND SUPPLIERS. INFORMATION SHALL BE BOUND IN 8½"X11" THREE-RING, LOOSE-LEAF BINDER, AND INDEXED IN ACCORDANCE WITH THESE SPECIFICATIONS. BINDER COVER SHALL IDENTIFY JOB NAME, DATE, AND NAME AND ADDRESS OF CONTRACTOR, ARCHITECT, AND ENGINEER. MANUALS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW OF MATERIAL PRIOR TO THE FINAL INSPECTION. MANUALS WILL BE RETURNED TO THE CONTRACTOR FOR THE SUBMITTAL TO THE OWNER AT THE TIME OF SYSTEM INSTRUCTION.

OWNER INSTRUCTION: CONTRACTOR SHALL ARRANGE, IN WRITING, WITH THE OWNER, PRIOR TO FINAL INSPECTION, A DATE OR DATES TO INSTRUCT THE OWNER, AND THE OWNER'S DESIGNATED REPRESENTATIVES, IN THE OPERATION AND MAINTENANCE OF THE SYSTEM.

FINAL INSPECTION: UPON COMPLETION OF ALL WORK, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE FOLLOWING DATA:

1. TESTING REPORTS
2. MAINTENANCE MANUALS

AFTER RECEIVING APPROVAL OF THE ABOVE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING AND MAKE ARRANGEMENTS FOR A FINAL INSPECTION. AFTER THE FINAL INSPECTION IS MADE, THE CONTRACTOR WILL RECEIVE A LIST OF ITEMS REQUIRING ADJUSTMENT, CORRECTION, REPLACEMENT, OR COMPLETION. THE CONTRACTOR SHALL COMPLY COMPLETELY WITH ALL THE LISTED REQUIREMENTS WITHIN THIRTY (30) DAYS OF THE RECEIPT OF LIST. SHOULD THE CONTRACTOR FAIL TO PERFORM WITHIN THIS TIME LIMIT, THE PROJECT ENGINEER AND/OR OWNER RESERVES THE RIGHT TO HAVE THE WORK COMPLETED BY OTHERS AND THE COST DEDUCTED FROM THE CONTRACT PRICE.

GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS SUPPLIED BY HIM FOR ONE (1) YEAR AFTER ACCEPTANCE OF THE WORK IN HIS CONTRACT. IF, DURING THE GUARANTEE PERIOD, ANY DEFECTS OF FAULTY MATERIALS ARE FOUND, HE SHALL CORRECT IMMEDIATELY AND REPAIR ANY DAMAGE TO OTHER MATERIALS OR INSTALLATIONS CAUSED BY THE DEFECT.

EXTENDED WARRANTIES: WHEN EQUIPMENT IS FURNISHED BY THE CONTRACTOR, OR MANUFACTURER, WITH A WARRANTY LONGER THAN ONE (1) YEAR, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COPY ALONG WITH RECEIPTS OR OTHER DOCUMENTS NECESSARY FOR FUTURE WARRANTY REPAIRS. UNLESS OTHERWISE REQUIRED, EXTENDED WARRANTIES ARE FOR EQUIPMENT ONLY, NOT MATERIALS OR LABOR TO INSTALL.

MATERIALS AND EQUIPMENT: ALL EQUIPMENT AND MATERIALS TO BE INCORPORATED IN THIS CONTRACT WORK SHALL BE NEW AND OF THE MAKES AND TYPES AS SPECIFIED AND CONTRACTED FOR. NO REMOVED EQUIPMENT SHALL BE RE-INSTALLED OR RE-USED.

INSTALLATION: INSTALLATION OF ALL MATERIAL ITEMS OR EQUIPMENT AS SHOWN ON DRAWINGS OR DESCRIBED IN SPECIFICATIONS SHALL CONFORM AS NEARLY AS POSSIBLE TO MANUFACTURER'S RECOMMENDED PROCEDURE, UNLESS DESIGNATED OTHERWISE. SHOULD SELECTION OF APPROVED ALTERNATE EQUIPMENT REQUIRE REVISIONS, THIS CONTRACTOR SHALL MAKE ALL CHANGES TO ACCOMMODATE SUCH EQUIPMENT. CONTRACTOR SHALL PREPARE DRAWINGS OF REVISIONS FOR APPROVAL BY PROJECT ENGINEER PRIOR TO BEGINNING WORK. CHANGES AND DRAWINGS SHALL BE MADE AT NO CHANGE IN CONTRACT AMOUNT.

REGULATIONS, CODES AND STANDARDS: THIS CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES AND PAY ALL FEES IN CONNECTION WITH SAME FOR WORK PERFORMED UNDER DIVISION 15.

OPENINGS, CHASES AND RECESSES: THIS CONTRACTOR SHALL GIVE GENERAL CONTRACTOR, IN SUFFICIENT TIME, ALL DIMENSIONS NEEDED FOR THE PROPER CONSTRUCTION AND LOCATION OF FORMS, CHASSES AND OTHER OPENINGS WHICH MAY BE REQUIRED FOR THE INSTALLATION OF ALL EQUIPMENT, PIPE, DUCTS AND MATERIALS UNDER THIS CONTRACT.

PROTECTION OF EQUIPMENT: PROTECT AGAINST INJURY FROM WEATHER ALL BUILDING MATERIALS, SUPPLIES, TOOLS, EQUIPMENT, AND FIXTURES INSTALLED OR TO BE INSTALLED, WITH SUITABLE AND SUBSTANTIAL COVERS. COST OF REPLACING OR REPAIRING EQUIPMENT AND FIXTURES MADE NECESSARY BY FAILURE TO PROVIDE SUITABLE PROTECTION SHALL BE PAID BY THIS CONTRACTOR. RESPONSIBILITY FOR THE CARE AND PROTECTION OF MECHANICAL EQUIPMENT AND WORK SHALL REMAIN WITH THIS CONTRACTOR UNTIL IT HAS BEEN TESTED AND ACCEPTED. PROTECT EQUIPMENT OUTLETS, PIPE, DUCT, AND CONDUIT OPENINGS WITH TEMPORARY PLUGS, CAPS, OR APPROVED DEVICES.

CLEANING: AFTER ALL FIXTURES, MATERIALS, AND APPARATUS HAVE BEEN SET AND READY FOR USE, AND BEFORE THIS CONTRACTOR LEAVES THE JOB, HE SHALL THOROUGHLY CLEAN ALL EQUIPMENT FURNISHED AND SET BY HIM REMOVING ALL STICKERS, RUST STAINS, GREASE, CEMENT, AND OTHER FOREIGN MATTER OR DISCOLORATION ON EQUIPMENT, LEAVING EVERY PART IN ACCEPTABLE CONDITION, READY FOR USE. CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM HIS WORK, LEAVING BUILDING IN CLEAN CONDITION, SUITABLE FOR OCCUPANCY.

UTILITY COMPANIES:

CONTACT UTILITY COMPANIES AND ADVISE OF PROPOSED WORK PRIOR TO THE START OF ANY EXCAVATION.

CONDUIT AND FITTINGS:

ALL CONDUIT SHALL BE THINWALL WITH SET SCREW FITTINGS. ALL CONNECTORS SHALL HAVE INSULATED BUSHINGS OR THROAT-TYPE BUSHINGS.

SURFACE RACEWAY SHALL BE WIREMOLD NO. 500 OR NO. 700.

UNDERGROUND RACEWAY:

RNC, TYPE EPC-40-PVC COMPLYING WITH NEMA TC2 AND UL 651 DIRECT BURIED. MINIMUM BURIAL DEPTH OF 18".

BOXES AND COVERS:

ALL BOXES SHALL BE OF PROPER SIZE AND SHAPE FOR ALL CONDUITS AND CONDUCTORS ENTERING THEM.

CABLE AND WIRE:

ALL WIRE SHALL HAVE COPPER CONDUCTORS AND BE LISTED BY UNDERWRITERS LABORATORIES, INC. ALL WIRE SHALL BE TYPE THWN 75°C. INSULATION FOR SIZES NO. 6 TO 500 MCM AND TYPE THHN 90°C. INSULATION FOR SIZES NO. 12 TO NO. 8.

ELECTRICAL WIRING DEVICES:

SCHEDULE OF ALL ELECTRICAL DEVICES:

| DEVICE | MANUFACTURER'S NAME AND CATALOG NUMBER | RATING |
|---|---|---|
| SINGLE POLE SW. | HUBBELL #1221-I<br>BRYANT #490H<br>A-H #199H | 20 AMP @ 120 V. |
| THREE WAY SW. | HUBBELL #1223-I<br>BRYANT #4903-I<br>A-H #1993-I | 20 AMP @ 120 V. |
| DUPLEX CONVENIENCE OUTLET | HUBBELL #5352-I<br>BRYANT #5362-I<br>A-H #5739-SI-I | 20 AMP @ 120 V. |
| DUPLEX GROUND FAULT CIRCUIT INTERRUPTING | HUBBELL #GF5352-I<br>BRYANT #GF5352-I<br>A-H #GF5352-I GROUND | 20 AMP @ 120 V. |
| SIMPLEX 30A | BRYANT #9630FR | 30 AMP @ 240V. |

FLOOR BOXES SHALL BE TAMPER RESISTANT COMBINATION POP-UP BOX WITH DUPLEX RECEPTACLE AND DATA PORTS, WATER TIGHT GASKET, NICKEL PLATE BRASS FINISH.

WET LOCATION RECEPTACLES SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED.

ALL DEVICES AND COVERS TO BE WHITE.

WIRING DEVICE PLATES:

ALL DEVICE PLATES SHALL BE FURNISHED WITH PROPER OPENINGS FOR THE DEVICE WITH WHICH IT IS BEING USED. WHERE REQUIRED, MULTIPLE GANG PLATES FOR CORRECT COMBINATION SHALL BE USED WITH THE PROPER OPENING FOR THE DEVICE WITH WHICH THEY ARE BEING USED. THE PLATES SHALL BE COLOR AS SELECTED BY ARCHITECT.

OPENINGS IN CONSTRUCTION:

OPENINGS BETWEEN CONDUIT AND FLOORS OR WALLS THROUGH FIRE OR SMOKE BARRIERS SHALL BE CLOSED WITH FIRE STOP MATERIAL TO MAINTAIN FIRE OR SMOKE BARRIER RATING. FIRE STOP MATERIAL SHALL BE DOW CORNING 3-6548 SILICONE RTV FOAM, CHASE TEC-NOLOGY CORP. CTC PR-855 FIRE RESISTANT FOAM SEALANT, 3M 303 FIRE BARRIER, T & B S-901 FIRE BARRIER OR NELSON FLAMESEAL.

INSTALLATION OF RACEWAYS AND CONDUITS:

ALL CONDUIT SHALL BE CONCEALED IN WALL CONSTRUCTION AND/OR ABOVE CEILING CONSTRUCTION EXCEPT IN MECHANICAL EQUIPMENT ROOMS, WHERE IT MAY BE EXPOSED AT THE CEILING OR ON WALLS. THE ROUTING OF CONDUIT SHOWN ON THE DRAWINGS IS DIAGRAMMATIC ONLY, AND THIS CONTRACTOR SHALL INSTALL CONDUIT AS REQUIRED TO COMPLETE THE SYSTEMS SO AS NOT TO INTERFERE WITH OTHER TRADES IN BOTH ELEVATION AND LOCATION. INSTALL FLEXIBLE CONDUIT FOR FINAL CONNECTIONS FOR ALL RECESSED LIGHTING FIXTURES, (FLUORESCENT AND INCANDESCENT), AND ALL VIBRATION GENERATING EQUIPMENT EXCEPT WHERE FLEXIBLE LIQUID-TIGHT IS SPECIFICALLY CALLED FOR. A MAXIMUM LENGTH OF FLEXIBLE STEEL CONDUIT SHALL BE LIMITED TO 6'-0".

INDOOR OCCUPANCY / VACANCY SENSORS:

OCCUPANT SENSOR CONTROLS WILL BE INSTALLED IN THE FOLLOWING SPACE TYPES, CLASSROOMS, LECTURE/TRAINING ROOMS, CONFERENCE/MEETING/MULTIPURPOSE ROOMS, COPY/PRINT ROOMS, LOUNGES/BREAK ROOMS, ENCLOSED OFFICES, OPEN PLAN OFFICE AREAS, RESTROOMS, STORAGE ROOMS, LOCKER ROOMS, OTHER SPACES 300 SQUARE FEET OR LESS THAT ARE ENCLOSED BY FLOOR TO CEILING HEIGHT PARTITIONS, AND WAREHOUSES. THESE CONTROLS SHALL AUTOMATICALLY TURN OFF LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE. SHALL TURN THE LIGHTING ON TO NOT MORE THAN 50 PERCENT POWER, AND HAVE A MANUAL CONTROL TO ALLOW OCCUPANTS TO TURN LIGHTS OFF.

WALL-SWITCH SENSOR: 180 DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 2,100 SQ. FT. PIR SENSING TECHNOLOGY. SP SWITCH VACANCY SENSOR MANUAL ON. ACCEPTABLE MANUFACTURERS: COOPER HUBBELL, LEVITON, SENSOR SWITCH, LUTRON, NSI, WATT STOPPER

CEILING SENSOR - STANDARD RANGE: 360 DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 450 SQ. FT. PIR SENSING TECHNOLOGY, ACCEPTABLE MANUFACTURERS: COOPER HUBBELL, LEVITON, SENSOR SWITCH, LUTRON, NSI, WATT STOPPER.

CEILING SENSOR - EXTENDED RANGE: 360 DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 2,400 SQ. FT. PIR SENSING TECHNOLOGY, ACCEPTABLE MANUFACTURERS: COOPER HUBBELL, LEVITON, SENSOR SWITCH, LUTRON, NSI, WATT STOPPER.

CEILING SENSOR - HIGH BAY: 360 DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 2800 SQ. FT. AT MOUNTING HEIGHTS OF UP TO 45 FT, PIR SENSING TECHNOLOGY, ACCEPTABLE MANUFACTURERS: COOPER HUBBELL, LEVITON, SENSOR SWITCH, LUTRON, NSI, WATT STOPPER.

LIGHTING TIMER CONTROLS

INTERMATIC ET110C OR SIMILAR 24-HOUR H-CIRCUIT ELECTRONIC CONTROL, 120-277 VAC, 60 HZ, SPST INDOOR METAL ENCLOSURE TO ALLOW FOR UP-TO-THE-MINUTE PROGRAMMING, 7-DAY ASTRONOMIC, BATTERY BACKUP FOR POWER LOSS, UP TO 28 EVENTS TOTAL, AND AUTOMATIC DAYLIGHT SAVING TIME CORRECTIONS WITHOUT THE NEED OF USER INTERVENTION.

WIRING JOINTS:

MAKE ALL BRANCH CIRCUIT JOINTS FOR WIRE UP TO AND INCLUDING NO. 10 AWG WITH EXPANDABLE STEEL SPRING AND POLYPROPYLENE BODY-TYPE CONNECTORS AND WIRE NUTS MANUFACTURED BY IDEAL, SCOTCH, BUCHANAN OR ARCHITECT/ENGINEER APPROVED EQUAL.

HEIGHTS OF WALL SWITCHES AND RECEPTACLES:

FOR ADDITIONS OR ALTERATIONS, DETERMINE THE EXACT HEIGHT OF EACH LIGHT, RECEPTACLE OUTLETS, AND OUTLET BOXES ON THE PREMISES AND EXAMINE THE GENERAL DRAWINGS AND DETAILS TO SEE THAT OUTLETS ARE PROPERLY SPACED AND LOCATED WITH RELATION TO THE INTERIOR FINISH AND TREATMENT. MOUNTING HEIGHTS SHALL BE HELD AS NEAR AS POSSIBLE TO THE CENTERLINE OF THE EQUIPMENT. FOR NEW CONSTRUCTION, SEE TABLE ON FIRST E-SHEET.

TELEPHONE/DATA CONDUIT SYSTEM:

IN GENERAL, ALL OUTLETS SHOWN SHALL HAVE A 1" EMPTY CONDUIT STUBBED INTO CORRIDOR CEILING OR INTO CEILING SPACE WHERE THE CEILING TILE IS REMOVABLE. THE CONDUITS SHALL BE STUBBED

INTO AREAS THAT ARE ACCESSIBLE FOR INSTALLATION OF TELEPHONE CABLES. THE CONDUIT STUBS SHALL BE FURNISHED WITH PLASTIC BUSHINGS.

IN CERTAIN AREAS WHERE THE CEILINGS ARE PLASTER OR CONCEALED SPLINE TILE, A COMPLETE CONDUIT SYSTEM FROM OUTLET TO TERMINAL CABINETS SHALL BE INSTALLED. ALL TELEPHONE/DATA OUTLETS SHALL BE FURNISHED WITH BLANK COVERPLATES. THE COVERPLATES SHALL BE OF THE SAME MATERIAL AND FINISH AS OTHER DEVICE PLATES IN THE PROJECT.

ALL TELEPHONE/DATA OUTLETS SHALL BE 4" X 4" X 2-1/8" DEEP BOXES WITH SINGLE SQUARE CUT COVER. INSTALL ALL CONDUITS WITH NYLON PISH LINES TO FACILITATE THE EASY INSTALLATION OF TELEPHONE CABLES. ALL OUTLETS SHALL BE MOUNTED AS NOTED ELSEWHERE IN THIS SPECIFICATIONS, EXCEPT FOR UNITS INDICATED AS WALL OUTLETS WHICH SHALL BE MOUNTED 48" ABOVE THE FLOOR. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DATA AND PHONE CABLING.

GROUNDING:

PROVIDE A GROUND WIRE IN ALL RACEWAYS. PROVIDE A NEUTRAL WIRE AT EACH SWITCH BOX LOCATION. ALL RECEPTACLES REQUIRE A PIGTAIL GROUNDING WIRE TO THE BOX.

INSTALL ALL OUTLETS WITH A GREEN JUMPER WIRE FROM THE GROUND TERMINAL OF THE OUTLET TO A GROUNDING LUG IN THE OUTLET BOX. INSTALL SEPARATE GREEN GROUND WIRE (IN ADDITION TO BRANCH CIRCUIT CONDUCTORS) AND BOND TO ELECTRICAL EQUIPMENT WHERE FLEXIBLE METAL CONDUIT AND LIQUID TIGHT FLEXIBLE CONDUIT IS USED AS A FINAL CONNECTION TO ELECTRICAL EQUIPMENT, BOND THE GREEN CONDUCTOR TO CONDUIT SYSTEM IN THE LAST JUNCTION BOX AND TO ALL ELECTRICAL EQUIPMENT, I.E., LIGHTING FIXTURES, MOTORS AND OTHER EQUIPMENT.

THE COMPLETE GROUNDING SYSTEM SHALL BE DONE WITH GROUNDING CONDUCTORS THROUGHOUT THE ENTIRE PROJECT INSTALLATION. SEPARATE GROUNDING CONDUCTORS FOR ALL BRANCH CIRCUITS ARE NOT SHOWN ON THE DRAWINGS, BUT SHALL BE INCLUDED IN ALL RACEWAYS AS IF SET FORTH ON THE DRAWINGS. SEPARATE GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL BRANCH CIRCUITS. GROUNDING CONDUCTORS SHALL BE INSTALLED IN THE SAME CONDUIT RUNS AS THE PHASE AND NEUTRAL CONDUCTORS. THE SIZE OF THE GROUNDING CONDUCTORS SHALL BE IN STRICT ACCORDANCE WITH TABLE NO. 250-122 OF THE NATIONAL ELECTRICAL CODE.

BONDING:

PROVIDE BONDING JUMPER BETWEEN HOT AND COLD WATER PIPES WITH A JUMPER SIZED ACCORDING TO NEC TABLE 250.102.

DISCONNECT SWITCHES:

ALL DISCONNECT SWITCHES SHALL BE HEAVY-DUTY MULTIPLE POLE ENCLOSED-TYPE SAFETY SWITCHES. ALL SWITCHES SHALL BE THE FUSIBLE TYPE WITH REJECTION-TYPE FUSE CLIPS.

ALL SWITCHES SHALL BE NEMA 1 OR 3R ENCLOSURES AND SHALL BE UL LISTED.

EACH DISCONNECT SWITCH SHALL BE FURNISHED WITH AN ENGRAVED PLASTIC OR METAL STRIP AS SPECIFIED UNDER "IDENTIFICATION OF EQUIPMENT" PERMANENTLY ATTACHED TO OUTSIDE COVER, INDICATING EQUIPMENT, PANELBOARD OR EQUIPMENT CONTROLLED, SUCH AS FAN EF-1. NUMBER SHALL BE THE SAME AS THOSE ON DRAWINGS AND TEMPERATURE CONTROL DIAGRAMS.

ENCLOSED CIRCUIT BREAKERS:

PROVIDE INDIVIDUALLY ENCLOSED MOLDED CASE CIRCUIT BREAKERS AS SHOWN ON THE PLANS. ALL CIRCUIT BREAKERS SHALL MEET FEDERAL SPECIFICATION W-C-375B AND BOTH CIRCUIT BREAKER AND THE ENCLOSURE SHALL BE UL LISTED.

MOLDED CASE CIRCUIT BREAKERS SHALL HAVE OVERCENTER TOGGLE-TYPE MECHANISMS, PROVIDING QUICK-MAKE, QUICK-BREAK ACTION. BREAKERS SHALL BE CALIBRATED FOR OPERATION IN AN AMBIENT TEMPERATURE OF 40° C. EACH CIRCUIT BREAKER SHALL HAVE TRIP INDICATION BY HANDLE POSITION AND SHALL BE TRIP-FREE. THREE POLE BREAKERS SHALL BE COMMON TRIP. EACH CIRCUIT BREAKER SHALL HAVE A PERMANENT TRIP UNIT CONTAINING INDIVIDUAL THERMAL AND MAGNETIC TRIP ELEMENTS IN EACH POLE.

CIRCUIT BREAKERS WITH FRAME SIZES GREATER THAN 100 AMPERES SHALL HAVE VARIABLE MAGNETIC TRIP ELEMENTS WHICH ARE SET BY A SINGLE ADJUSTMENT. A BUTTON SHALL BE PROVIDED ON THE COVER FOR MECHANICALLY TRIPPING THE CIRCUIT BREAKER. THE CIRCUIT BREAKERS SHALL BE CONSTRUCTED TO ACCOMMODATE THE SUPPLY CONNECTIONS AT EITHER END OF THE CIRCUIT BREAKER.

BREAKERS SHALL BE UL LISTED WITH A SHORT CIRCUIT CURRENT RATING OF 42,000 RMS SYMMETRICAL AMPERES.

NEUTRALS SHALL BE FURNISHED IN DEVICE ENCLOSURE. NEUTRALS SHALL BE INSULATED AND ARE TO BE GROUNDABLE FOR USE IN SERVICE ENTRANCE APPLICATIONS.

ENCLOSURES SHALL BE NEMA 1 FURNISHED WITH KNOCKOUTS WHERE PRACTICAL AND SHALL BE FABRICATED FROM SHEET STEEL WHICH CONFORMS TO UL 50. THE ENCLOSURE SHALL BE GIVEN AN ELECTRO DEPOSITED, GRAY BAKED ENAMEL FINISH. PADLOCKING PROVISIONS SHALL BE PROVIDED TO ALLOW LOCKING THE CIRCUIT BREAKER IN THE "OFF" POSITION. ENCLOSURES SHALL BE UL LISTED.

ENCLOSED BREAKERS SHALL BE MANUFACTURED BY SQUARE D, GENERAL ELECTRIC OR SIEMENS ITE.

FORWARD SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW.

INTERIOR LIGHT FIXTURES:

FURNISH EACH FIXTURE WITH LAMPS AS NOTED ON THE FIXTURE SCHEDULE. ALL FIXTURES SHALL BE CSA LISTED.

PROVIDE ALL LIGHT FIXTURES AS SHOWN ON THE DRAWINGS AND AS HEREINAFTER SPECIFIED.

ALL RECESSED FIXTURES SHALL BE SUITABLE FOR INSTALLATION IN THE CEILING AND/OR THE SUSPENSION SYSTEM THEY ARE TO BE INSTALLED IN. CHECK THE FIXTURE TYPES AGAINST THE APPROVED TYPE OF CEILING MATERIAL IN EACH ROOM AND INSTALL THE PROPER FLUORESCENT FIXTURE TRIMS TO FIT THE CEILING SUSPENSION SYSTEM.

ALL FIXTURES SHALL BE SUITABLE FOR OPERATION AT 120 VOLT, (277 VOLT) 60 HERTZ UNLESS OTHERWISE NOTED ON THE FIXTURE SCHEDULE.

FIXTURES SHALL HAVE SPECIFIED FINISH. WHERE FINISH IS NOT MENTIONED, IT SHALL BE OBTAINED FROM THE ARCHITECT/ENGINEER.

FORWARD A BOUND BROCHURE OF ALL LIGHTING FIXTURES INDICATING FIXTURE TYPES, FINISHES, LAMPS, DETAILS, ETC. TO THE ARCHITECT/ENGINEER FOR REVIEW. SEE LIGHT FIXTURE SCHEDULE ON THE DRAWINGS FOR ADDITIONAL INFORMATION.

LED FIXTURES:

LED FLAT PANEL FIXTURES: SEAMLESS ALUMINUM FRAME, SATIN WHITE LENS WITH FULLY LUMINOUS APPEARANCE. T-BAR CLIPS FOR INSTALLATION INTO 15/16" T-GRID CEILINGS. LONG-LIFE LED'S, HIGH-EFFICIENCY DRIVER, 70% LED LUMEN MAINTENANCE AT 60,000 HOURS. 0-10V DIMMING DRIVER, DIMS TO 10%.

LOW PROFILE VOLUMETRIC FIXTURES: CENTER BASKET DESIGN. HIGH REFLECTIVE MATTE WHITE POWDER PAINT FINISHED REFLECTOR. END PLATES WITH T-BAR CLIPS. 80% LED LUMEN MAINTENANCE AT 60,000 HOURS.

CSA CERTIFIED TO MEET US AND CANADIAN STANDARDS. 5-YEAR LIMITED WARRANTY.

EXIT LIGHTING SYSTEM:

CONNECT ALL EXIT LIGHTING UNITS TO AN UNSWITCHED CIRCUIT ORIGINATED FROM THE SAME BRANCH CIRCUIT AS THAT SERVING NORMAL LIGHTING IN THE LOCAL AREA.

ALL EXIT FIXTURES AS NOTED IN LIGHT FIXTURE SCHEDULE ON THE DRAWINGS SHALL BE OF THE SELF-CONTAINED TYPE WITH THE FOLLOWING ITEMS:

1. MAINTENANCE FREE RECHARGEABLE, NICKEL CADMIUM BATTERY HAVING A 10 YEAR LIFE RATING AND WARRANTY AND CAPABLE OF POWERING THE CONNECTED LAMPS FOR 1½ HOURS TO 87-1/2% OF INITIAL NOMINAL BATTERY VOLTAGE.
2. AUTOMATIC CHARGER WITH MULTI-RATE, SOLID-STATE RECTIFIER WITH SENSING DEVICE AND CHARGE TRANSFORMER TO CHARGE THE BATTERY TO 100% OF BATTERY CAPACITY WITHIN 12 HOURS FOLLOWING FULL RATED LOAD DISCHARGE TO 87-1/2% NOMINAL VOLTAGE.
3. TEST SWITCH TO SIMULATE A POWER FAILURE AND TO CYCLE THE CHARGING CIRCUIT.
4. AUTOMATIC TRANSFER SWITCH TO IMMEDIATELY ENERGIZE ALL LAMPS CONNECTED TO UNIT UPON FAILURE OF NORMAL POWER.
5. PILOT AND READY LIGHT.
6. MOUNT INTEGRAL BATTERY AND CHARGER EMERGENCY PACK WITHIN THE EXIT HOUSING AND ACCESSIBLE FOR SERVICE WITH-OUT REMOVING EXIT SIGN FROM ITS MOUNTING.
7. LED LAMPS.

THESE UNITS SHALL BE FULLY AUTOMATIC WITH SOLID-STATE SWITCHING. UPON NORMAL AC POWER FAILURE, TWO EMERGENCY LAMPS WILL OPERATE ON BATTERY POWER FOR THE MINIMUM REQUIRED 1½ HOURS WITHOUT REDUCING BATTERY VOLTAGE LOWER THAN 87-1/2% OF NOMINAL RATED VOLTAGES AS REQUIRED BY NEC AND OSHA. UPON RESTORATION OF REGULAR POWER SUPPLY, THE UNIT SHALL SWITCH BACK TO NORMAL MODE AND CHARGER SHALL REPLENISH BATTERY WITHIN 24 HOURS.

FORWARD SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW.

BATTERY-OPERATED EMERGENCY LIGHT (SURFACE):

CONNECT ALL BATTERY OPERATED EMERGENCY LIGHTING UNITS TO AN UNSWITCHED CIRCUIT ORIGINATED FROM THE SAME BRANCH CIRCUIT AS THAT SERVING NORMAL LIGHTING IN THE LOCAL AREA.

PROVIDE WHERE SHOWN ON THE DRAWINGS, SURFACE SELF-CONTAINED, BATTERY-OPERATED EMERGENCY LIGHTING UNIT.

THE SURFACE BATTERY-OPERATED EMERGENCY LIGHTING UNITS SHALL BE SUITABLE FOR CEILING MOUNTING WITH PROPER MOUNTING BRACKETS AT A HEIGHT AS INDICATED ON THE DRAWINGS. UNIT SHALL HOUSING SHALL BE THERMOPLASTIC. UNIT SHALL HAVE REMOVABLE COVER TO PROVIDE FULL ACCESS TO BATTERY, CHARGER, FUSES, WIRING AND OTHER COMPONENTS. FINISH SHALL BE MATTE WHITE AND CHROME LAMP-HEADS.

THE SURFACE BATTERY-OPERATED, EMERGENCY LIGHTING UNITS SHALL BE COMPLETE WITH THE FOLLOWING:

I. TWO ADJUSTABLE LED LAMP-HEADS.
2. 3.6V PERMLIM GRADE, NICKEL CADMIUM BATTERY WITH 10 YEAR EXPECTED LIFE.
3. ENVIRONMENTALLY COATED, SOLID STAGE CHARGER; LOW VOLTAGE DISCONNECT.
4. FULLY ADJUSTABLE 15WATT, GLARE-FREE LIGHTING HEADS.
5. INJECTION-MOLDED, FLAME RETARDANT, HIGH IMPACT, THERMOPLASTIC HOUSING.
6. LOW-PROFILE TEST SWITCH AND LED CHARGE RATE INDICATOR LIGHT
7. REGULATED CHARGE VOLTAGE
8. A.C. LOCKOUT
9. OVERLOAD/SHORT CIRCUIT PROTECTION
10. BROWN OUT PROTECTION
11. UL 924 LISTED.

CONNECT UNIT TO AN UNSWITCHED 120 VOLT CIRCUIT. THIS CIRCUIT SHALL BE THE SAME CIRCUIT THAT SERVES THE CORRIDOR OR AREA LIGHTING.

FORWARD SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW.

SUPPORT FOR LIGHT FIXTURES:

SUPPORT ALL FIXTURES FROM THE BUILDING STRUCTURE AND NOT FROM THE CEILING SUSPENSION SYSTEM (SUCH AS A T-BAR SYSTEM FOR A SUSPENDED ACOUSTICAL TILE CEILING). SUPPORT THE FIXTURES FROM THE BAR JOISTS, FLOOR STRUCTURE OR ROOF STRUCTURE ABOVE WITH 12 GAUGE ZINC COATED STEEL WIRE. INSTALL MINIMUM OF TWO HANGERS FOR EACH FIXTURE. WHERE A FIXTURE

OCCURS UNDER DUCTS, THE WIDTH OF DUCT SHALL BE SPANNED WITH METAL FRAMING CHANNEL. SUSPENDED AND SUPPORTED AT BOTH ENDS AND THE FIXTURE ATTACHED TO THE METAL FRAMING CHANNEL.

WHERE RECESSED FIXTURES OCCUR IN GRID SYSTEM FIXTURES SHALL BE SECURELY FASTENED TO THE GRID SYSTEM MEMBERS WITH SAFETY TEE BAR CLIPS. FURNISH AND INSTALL 4 CLIPS PER FIXTURE.

FIRE ALARM DEVICES:

VISUAL SIGNAL APPLIANCES SHALL BE PROVIDED IN EACH OF THE FOLLOWING AREAS: MEETING ROOMS, RESTROOMS, HALLWAYS, LOBBIES, AND ANY OTHER GENERAL OR COMMON USE AREAS. BATHROOMS SHALL ALSO REQUIRE VISUAL ALARMS.

PLOT DATE: 3/4/2025 4:13 PM PLOTTED BY: RYAN MCCARTHY

MUNICIPAL APPROVAL STAMP

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PROJECT

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SEAL

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