

## ABBREVIATIONS

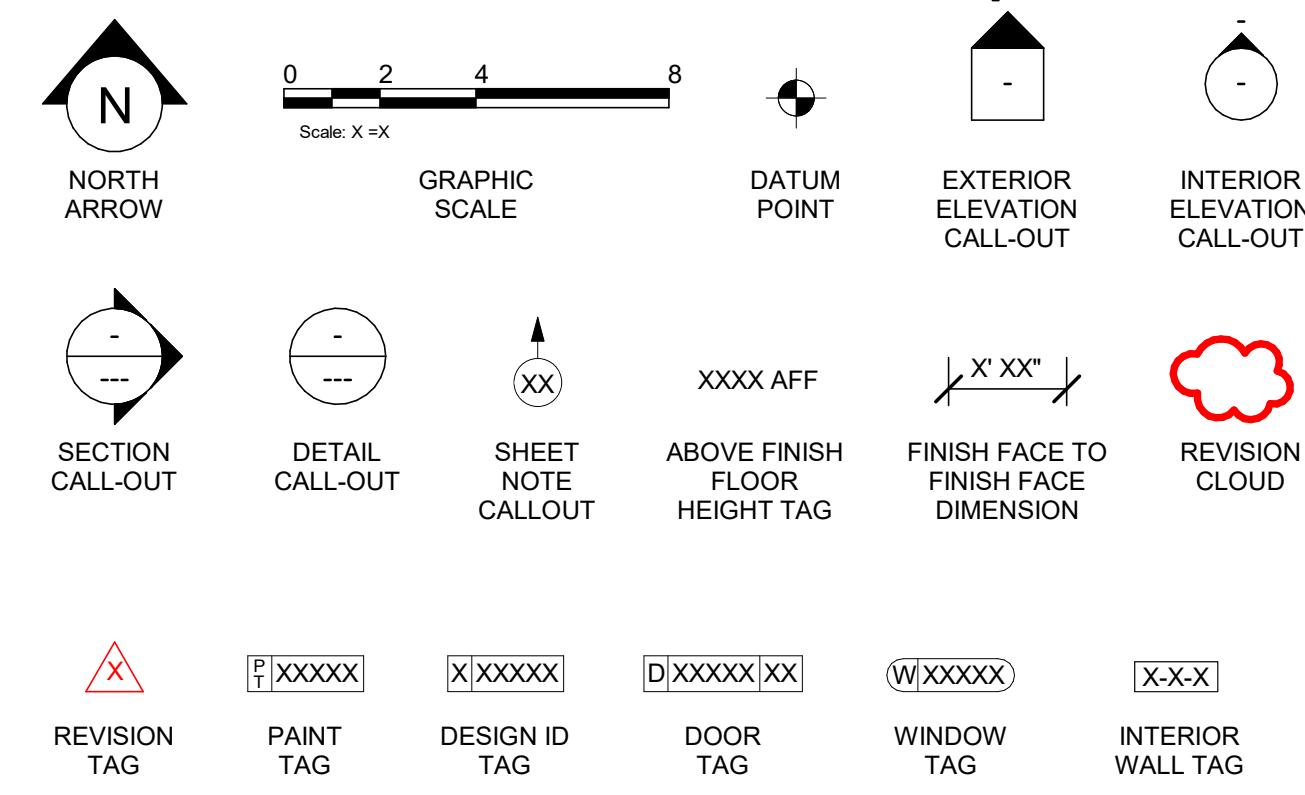
|       |   |
|-------|---|
| A/C   | AIR CONDITIONING                              |
| ACT   | ACOUSTICAL CEILING TILE                       |
| ADJ   | ADJUSTABLE                                    |
| AFF   | ABOVE FINISHED FLOOR                          |
| AMP   | AMPERE  |
| ARCH  | ARCHITECT                                     |
| BOH   | BACK OF HOUSE                                 |
| CAB   | CABINET                                       |
| CL    | CENTER LINE                                   |
| CLG   | CEILING                                       |
| CM    | STARBUCKS CONSTRUCTION MANAGER                |
| CTR   | CENTER  |
| CX    | COMMISSIONING                                 |
| CXA   | COMMISSIONING AGENT                           |
| DEG   | DEGREE  |
| DET   | DETAIL  |
| DIA   | DIAMETER                                      |
| DIM   | DIMENSION                                     |
| DM    | STARBUCKS DESIGN MANAGER                      |
| DN    | DOWN  |
| EA    | EACH  |
| EL    | ELEVATION                                     |
| EQ    | EQUAL   |
| EXIST | EXISTING                                      |
| EXT   | EXTERIOR                                      |
| FF&E  | FURNITURE, FIXTURE, AND EQUIPMENT             |
| FLR   | FLOOR   |
| FOH   | FRONT OF HOUSE                                |
| FOIC  | FURNISHED BY OWNER, INSTALLED BY CONTRACTOR   |
| FOIO  | FURNISHED BY OWNER INSTALLED BY OWNER         |
| FT    | FOOT/FEET                                     |
| G     | GROUND  |
| GC    | GENERAL CONTRACTOR                            |
| GWB   | GYPSUM WALLBOARD                              |
| HC    | HOLLOW CORE                                   |
| HDW   | HARDWARE                                      |
| HM    | HOLLOW METAL                                  |
| HORIZ | HORIZONTAL                                    |
| HR    | HOUR  |
| HT    | HEIGHT  |
| HVAC  | HEATING, VENTILATING AND AIR CONDITIONING     |
| ID.   | INSIDE DIAMETER                               |
| LEED  | LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN |
| LL    | LANDLORD                                      |
| LV    | LOW VOLTAGE                                   |
| MAX   | MAXIMUM                                       |
| MEP   | MECHANICAL, ELECTRICAL AND PLUMBING           |
| MFR   | MANUFACTURER                                  |
| MIN   | MINIMUM                                       |
| NIC   | NOT IN CONTRACT                               |
| NLT   | NIGHT LIGHT                                   |
| NTS   | NOT TO SCALE                                  |
| OC    | ON CENTER                                     |
| O.D.  | OUTSIDE DIAMETER                              |
| PIR   | PASSIVE INFRARED SENSOR                       |
| PLC   | PLACE   |
| R     | RADIUS  |
| REF   | REFERENCE                                     |
| REQD  | REQUIRED                                      |
| REV   | REVISION                                      |
| RND   | ROUND   |
| SB    | STARBUCKS                                     |
| SC    | SOLID CORE                                    |
| SF    | SQUARE FEET                                   |
| SHT   | SHEET   |
| SIM   | SIMILAR                                       |
| SPEC  | SPECIFICATION                                 |
| SQ    | SQUARE  |
| TEMP  | TEMPORARY                                     |
| TYP   | TYPICAL                                       |
| UC    | UNDER COUNTER                                 |
| UNO   | UNLESS NOTED OTHERWISE                        |
| VERT  | VERTICAL                                      |
| VIF   | VERIFY IN FIELD                               |

## RESPONSIBILITY LEGEND

|    |                    |
|----|--------------------|
| GC | GENERAL CONTRACTOR |
| LL | LANDLORD           |

SB STARBUCKS

## ARCHITECTURAL SYMBOL LEGEND



## PROJECT CONTACTS

|                           |  |
|---------------------------|--|
| MAILING ADDRESS:          | STARBUCKS COFFEE COMPANY<br>2401 UTAH AVENUE SOUTH<br>MS STOP: S-SD10<br>SEATTLE, WASHINGTON 98134<br>(206) 318-1575           |
| DESIGN MANAGER:           | CAMILLA WATSON<br>STARBUCKS COFFEE COMPANY<br>EMAIL: CWATSON@STARBUCKS.COM<br>(206) 637-2635                                   |
| CONSTRUCTION MANAGER:     | KIMBERLY BENTLEY<br>STARBUCKS COFFEE COMPANY<br>(312) 758-1507<br>EMAIL: KBENTLEY@STARBUCKS.COM                                |
| LANDLORD:                 | CHAD CORNWELL<br>PROFESSIONAL RESOURCE DEVELOPMENT, INC.<br>1200 NETWORK CENTRE DRIVE<br>EFFINGHAM, IL 62401<br>(314) 803-3222 |
| ARCHITECT OF RECORD:      | GPD GROUP, INC<br>520 SOUTH MAIN STREET, SUITE 2531<br>AKRON, OH 44311<br>EMAIL: JOLIVAS@GPDGROUP.COM<br>(602) 733-6206        |
| MEP CONSULTANT OF RECORD: | GPD GROUP, INC<br>520 SOUTH MAIN STREET, SUITE 2531<br>AKRON, OH 44311<br>EMAIL: JOLIVAS@GPDGROUP.COM<br>(602) 733-6206        |
| STRUCTURAL CONSULTANT:    | GPD GROUP, INC<br>520 SOUTH MAIN STREET, SUITE 2531<br>AKRON, OH 44311<br>EMAIL: JOLIVAS@GPDGROUP.COM<br>(602) 733-6206        |

## GENERAL NOTES

- THE DRAWINGS AND PROJECT MANUAL TOGETHER CONSTITUTE THE CONTRACT DOCUMENTS FOR CONSTRUCTION. ALL GENERAL REQUIREMENTS ARE TO BE MET AND ALL MATERIALS, FINISHES AND SYSTEMS ARE TO BE INSTALLED AND PERFORM PER SPECIFICATIONS UNLESS OTHERWISE NOTED.
- GENERAL CONTRACTOR SHALL VISIT THE SITE, REVIEW THE BUILDING SHELL DRAWINGS AS SUBMITTED BY THE LANDLORD OR STARBUCKS AND BECOME THOROUGHLY FAMILIAR WITH THE SITE CONDITIONS PRIOR TO CONSTRUCTION.
- GENERAL CONTRACTOR SHALL CONSULT WITH STARBUCKS CONSTRUCTION MANAGER TO RESOLVE ANY CHANGES, OMISSIONS OR PLAN DISCREPANCIES PRIOR TO CONSTRUCTION.
- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL, COUNTY, STATE AND FEDERAL CODES AND ORDINANCES.
- GENERAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES.
- GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS, INCLUDING CLEARANCES REQUIRED BY OTHER TRADES AND NOTIFY STARBUCKS CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. ALL DIMENSIONS ARE TO THE FACE OF THE FINISHED SURFACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE TAKEN FROM DESIGNATED DATUM POINT. DO NOT SCALE DRAWINGS.
- GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS, OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF THE WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FOR FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS PRIOR TO INSTALLATION OF SUCH SYSTEMS.
- GENERAL CONTRACTOR SHALL RETAIN ONE SET OF PERMIT PLANS ON-SITE TO DOCUMENT ALL CHANGES MADE DURING CONSTRUCTION. THE RECORD DRAWINGS SHALL BE ISSUED TO THE OWNER AT PROJECT CLOSE-OUT AS DESCRIBED IN THE GENERAL REQUIREMENTS OF THE PROJECT MANUAL.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING DELIVERY OF MATERIALS FROM STARBUCKS CONTRACTED THIRD PARTY LOGISTICS DISTRIBUTION SERVICES AND VENDOR DIRECT SHIPMENTS. SEE THE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- RESPONSIBILITY FOR SUPPLY AND DELIVERY OF MATERIALS AND EQUIPMENT IS IDENTIFIED IN THE DRAWING SCHEDULE SHEETS UNDER THE COLUMN LABELED "RESPONSIBILITY".
- FOR THE PURPOSE OF THE DOCUMENTS, TO "INSTALL" SHALL MEAN TO PROVIDE ALL FASTENERS, MISCELLANEOUS HARDWARE, BLOCKING, ELECTRICAL CONNECTIONS, PLUMBING CONNECTIONS AND OTHER ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION, UNLESS OTHERWISE NOTED.
- ALL ITEM SUBSTITUTIONS MUST BE APPROVED BY THE STARBUCKS CONSTRUCTION MANAGER.

## INDEX OF SHEETS

| LEGEND: |                                  | X - SHEET ISSUED | R - SHEET ISSUED FOR REFERENCE AND COORDINATION ONLY | SEE TITLEBLOCK FOR REVISION ISSUE DATE(S) |
|---------|----------------------------------|------------------|--|---|
| SHEET   | SHEET TITLE                      | REVISION SET     | PERMIT SET   |   |
| G000    | GENERAL INFORMATION              | X                | X  |   |
| G002    | LIFE SAFETY & ACCESSIBILITY PLAN | X                | X  |   |
| G005    | 3D VIEWS                         | X                |  |   |
| G006    | RENDERINGS                       | X                |  |   |

| GENERAL |
|---------|
| G000    |
| G002    |
| G005    |
| G006    |

| ARCHITECTURAL |
|---------------|
| A001          |
| A002          |
| A003          |
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| INDOOR SEATING CALCULATIONS           |                 |          |            |
|---------------------------------------|-----------------|----------|------------|
| DESCRIPTION                           | NUMBER OF ITEMS | PER ITEM | # OF SEATS |
| SOFT SEATING                          | 4               | 1 SEATS  | 4          |
| TABLE TOP, ROUND                      | 8               | 2 SEATS  | 8          |
| TABLE TOPS AT BANQUETTE               | 7               | 2 SEATS  | 16         |
| COMMUNITY TABLE                       | 1               | 6 SEATS  | 6          |
| TOTAL ACCESSIBLE SEATS ( $\geq 5\%$ ) | 2               |          |            |
| <b>TOTAL</b>                          | <b>34</b>       |          |            |

| OUTDOOR SEATING CALCULATIONS          |                 |          |            |
|---------------------------------------|-----------------|----------|------------|
| DESCRIPTION                           | NUMBER OF ITEMS | PER ITEM | # OF SEATS |
| TABLE TOP, SQUARE                     | 4               | 2 SEATS  | 8          |
| TABLE TOP, RECTANGLE                  | 2               | 2 SEATS  | 4          |
| TOTAL ACCESSIBLE SEATS ( $\geq 5\%$ ) | 2               |          |            |
| <b>TOTAL</b>                          | <b>12</b>       |          |            |

| EGRESS CALCULATIONS                 |  |  |  |
|-------------------------------------|--|--|--|
| EXIT WIDTH REQUIRED - 53 OCC. x 0.2 | = 10.6 IN.   |  |  |
| EXIT WIDTH PROVIDED                 | = 114 IN.  |  |  |
| EXITS                               | = 36 IN. PRIMARY ENTRY, 36 IN. SECONDARY ENTRY, 42 IN WORKROOM |  |  |
| NUMBER OF EXITS REQUIRED            | = 2  |  |  |
| NUMBER OF EXITS PROVIDED            | = 3  |  |  |
| MAXIMUM ALLOWABLE TRAVEL DISTANCE   | = 200' - 0"  |  |  |
| MAXIMUM TRAVEL DISTANCE PROVIDED    | = 64' - 0"   |  |  |
| MINIMUM EXIT SEPARATION             | = 75' - 2" (MAXIMUM DIAGONAL) / 2 = 37' - 7"                   |  |  |
| EXIT SEPARATION PROVIDED            | = 43' - 9"   |  |  |

| PLUMBING FIXTURE CALCULATIONS                            |         |           |                      |
|--|---------|-----------|----------------------|
| ILLINOIS PLUMBING CODE, SECTION 890, APPENDIX A, TABLE B |         |           |                      |
| OCCUPANCY  | MALE    | FEMALE    | TOTAL...             |
| 33 OCC.  | 33 OCC. | 66 OCC.   |                      |
| WATER CLOSETS  |         | URINALS*  | LAVATORY             |
| 2 PER 100  |         | 1 PER 200 | 1 PER 100 OR STATION |
| REQUIRED   | 1 M     | 1 F       | 0 M                  |
| PROVIDED   | 1 M     | 1 F       | 0 M                  |
|  |         | 1 M       | 1 F                  |
|  |         | 0         | 0                    |

\*IN EACH BATHROOM OR TOILET ROOM, URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 67% OF THE REQUIRED WATER CLOSETS IN ASSEMBLY OCCUPANCIES.

\*\*RETAIL ESTABLISHMENT SERVES WATER UPON REQUEST.

\*\*\* FIXTURE COUNT OCCUPANCY INCLUDES ADDITIONAL OUTDOOR SEATING (12 OCCUPANTS)

| ROOM SCHEDULE      |                |
|--------------------|----------------|
| NAME               | AREA           |
| ENTRY VESTIBLE     | 36 SF          |
| RR #2              | 60 SF          |
| RR #1              | 60 SF          |
| RR VESTIBLE        | 42 SF          |
| BACKBAR            | 497 SF         |
| CAFE               | 622 SF         |
| MERCANTILE         | 358 SF         |
| WORKROOM           | 570 SF         |
| <b>GRAND TOTAL</b> | <b>2246 SF</b> |

| OCCUPANCY CALCULATIONS                      |                |
|---|----------------|
| CAFE: 622 SQ. FT. / 15 SQ. FT./ OCC.        | 42 OCC.        |
| MERCANTILE: 358 SQ. FT. / 60 SQ. FT. / OCC. | 6 OCC.         |
| BAR: 509 SQ. FT. / 200 SQ. FT. /            | 3 OCC.         |
| WORKROOM: 578 SQ. FT. / 300 SQ. FT. / OCC.  | 2 OCC.         |
| <b>TOTAL OCC. LOAD:</b>                     | <b>53 OCC.</b> |

## HEALTH DEPT. PLAN NOTES

- A. GENERAL CONTRACTOR TO SCHEDULE WITH REFRIGERATION CONTRACTOR TO CONDUCT INITIAL FOOD CASE START-UP AND TESTING. FOR APPROVED CONTRACTOR, CONTACT THE VENDOR.
- B. THE SPACE IS SERVED BY THE MUNICIPAL WATER AND SEWER SYSTEM UNLESS OTHERWISE NOTED.
- C. ALL EQUIPMENT AND INSTALLATION WILL MEET NATIONAL SANITATION FOUNDATION STANDARDS OR EQUIVALENT.
- D. EQUIPMENT UNITS SHALL CONTAIN NO EXPOSED THREADS, EMBELLISHMENTS OR OVERHANGING EDGES THAT SERVE AS PLACES FOR ACCUMULATION OF DUST, DIRT AND DEBRIS.
- E. WARMING OVEN(S) SHOWN FOR PERMITTING PURPOSES. INSTALLATION AT STORE OPENING TO BE VERIFIED BY STARBUCKS CONSTRUCTION REPRESENTATIVE.
- F. EACH HAND WASHING SINK WILL HAVE A SINGLE SERVICE TOWEL AND SOAP DISPENSER AND ALL HAND SINKS TO HAVE A COMBINATION FAUCET OR PREMIXING FAUCET.
- G. REFERENCE INTERIOR SCHEDULE SHEETS (I600 SERIES) FOR ADDITIONAL INFORMATION.
- H. PROVIDE SNEEZE GUARDS WHERE REQUIRED BY JURISDICTION.
- I. ALL FOOD STORAGE AND DISPLAY SHELVING SHALL BE A MINIMUM 6" (150MM) ABOVE FINISH FLOOR.

## KEYED NOTES

1. THRESHOLDS TO BE BARRIER FREE COMPLIANT PER ALL APPLICABLE CODES
2. BARRIER-FREE PATH OF TRAVEL.
3. 30" (160 MM) X 48" (1220 MM) CLEAR FOR WHEELCHAIR ACCESS.
4. 60" (1525 MM) DIAMETER MINIMUM TURN RADIUS FOR WHEELCHAIR ACCESS.
5. 32" (815 MM) MINIMUM CLEAR AT RESTROOM DOOR.
6. POS TRANSACTION PLANE, CONDIMENTS CART TOP AND HAND-OFF PLANE ARE 34 INCHES (860 MM) ABOVE THE FINISHED FLOOR FOR WHEELCHAIR ACCESSIBILITY.
7. PROVIDE BARRIER-FREE SIGNAGE AT ACCESSIBLE RESTROOMS PER ALL APPLICABLE CODES.
8. PROVIDE TACTILE "EXIT" SIGNAGE.
9. PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN WHERE REQUIRED BY APPLICABLE LAWS OR CODES.

## MEANS OF EGRESS NOTES

- A. EVERY ROOM OR SPACE THAT IS ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT ACCESS DOORWAY. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER AUTHORIZED AGENT. (1004.3)
- B. EGRESS SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, CLOSETS OR SIMILAR SPACES. (1014.2)
- C. PANIC AND FIRE EXIT HARDWARE, WHERE INSTALLED ON DOORS IN THIS BUILDING SHALL SATISFY THE FOLLOWING (1008.1.10):
  - 1) THE ACTUATION PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
  - 2) THE MAXIMUM UNLATCHING FORCE DOES NOT EXCEED 15 POUNDS (6.8 KG).
- D. PANIC HARDWARE LISTED IN ACCORDANCE WITH UL 305.
- E. FIRE EXIT HARDWARE LISTED IN ACCORDANCE WITH UL 10C AND UL 305.
- F. STRUCTURAL ELEMENTS, FIXTURES OR FURNISHINGS SHALL NOT PROJECT HORIZONTALLY FROM EITHER SIDE MORE THAN 4 INCHES (100 MM) OVER ANY WALKING SURFACE BETWEEN 27 INCHES (685 MM) AND 80 INCHES (2030 MM) ABOVE THE WALKING SURFACE. EXCEPTION: HANDRAILS SERVING STAIRS AND RAMPS ARE PERMITTED TO PROTRUDE 4 1/2 INCHES (115 MM) FROM THE WALL. (1003.3)
- G. THE PATH OF EGRESS TRAVEL EXITS AND WITHIN EXITS IN THIS BUILDING SHALL BE IDENTIFIED BY EXIT SIGNS CONFORMING TO THE REQUIREMENTS OF SECTION 1011 AND AS NOTED BELOW:
  - 1) EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL.
  - 2) EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL.
  - 3) NO POINT IN A CORRIDOR SHALL BE MORE THAN 100 FT (30.5 M) OR THE LISTED VIEWING DISTANCE FOR THE SIGN WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN.
- H. WHERE KEY OPERATED LOCKING DEVICES ARE USED, POST A SIGN ON OR ADJACENT TO THE REQUIRED MAIN EXIT DOOR WITH 1 INCH (25 MM) LETTERING STATING THAT "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED". (1008.1.9)
- I. EGRESS DOORS OR GATES SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 42 INCHES (1060 MM) TO 48 INCHES (1220 MM) ABOVE THE FINISHED FLOOR. MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS ARE NOT PERMITTED. THE UNLATCHING OF ANY DOOR OR GATE SHALL NOT REQUIRE MORE THAN ONE OPERATION. (1008.1.9)
- J. LANDINGS SHALL BE PROVIDED ON EACH SIDE OF DOORS AND SUCH LANDINGS SHALL BE AT THE SAME ELEVATION ON EACH SIDE OF THE DOOR. LANDINGS SHALL HAVE A WIDTH NOT LESS THAN THE WIDTH OF THE DOOR AND LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES (1120 MM). (1008.1.5, 1008.1.6)

## HEALTH DEPT. FINISH SCHEDULE

|                 |  |
|-----------------|--|
| <b>BAR</b>      | FLOOR: POLYVINYL FLOORING<br>WALL: WALL TILE, BACKSPLASH, WITH POLYVINYL BASE<br>CEILING: GYPSUM CEILING   |
| <b>CAFE</b>     | FLOOR: TILE<br>WALL: WALLCOVERING, WOOD, WITH COVE TILE BASE<br>CEILING: OPEN TO STRUCTURE, GYPSUM CEILING |
| <b>WORKROOM</b> | FLOOR: POLYVINYL FLOORING<br>WALL: FRP WITH POLYVINYL BASE<br>CEILING: VINYL FACED ACOUSTICAL CEILING TILE |
| <b>RESTROOM</b> | FLOOR: TILE<br>WALL: WALL TILE WITH SCHLUTER COVE BASE<br>CEILING: GYPSUM CEILING                          |

## LEGEND

- ↔ X-X' (XXMM) TRAVEL DISTANCE
- BARRIER FREE PATH OF TRAVEL (MIN 3'-0" (915MM) - NO PINCH POINT)
- EMERGENCY LIGHT
- EXIT SIGN
- FIRE EXTINGUISHER
- ADA ACCESSIBLE SEATING 36" (915MM) X 48" (1220MM) CLEAR AREA

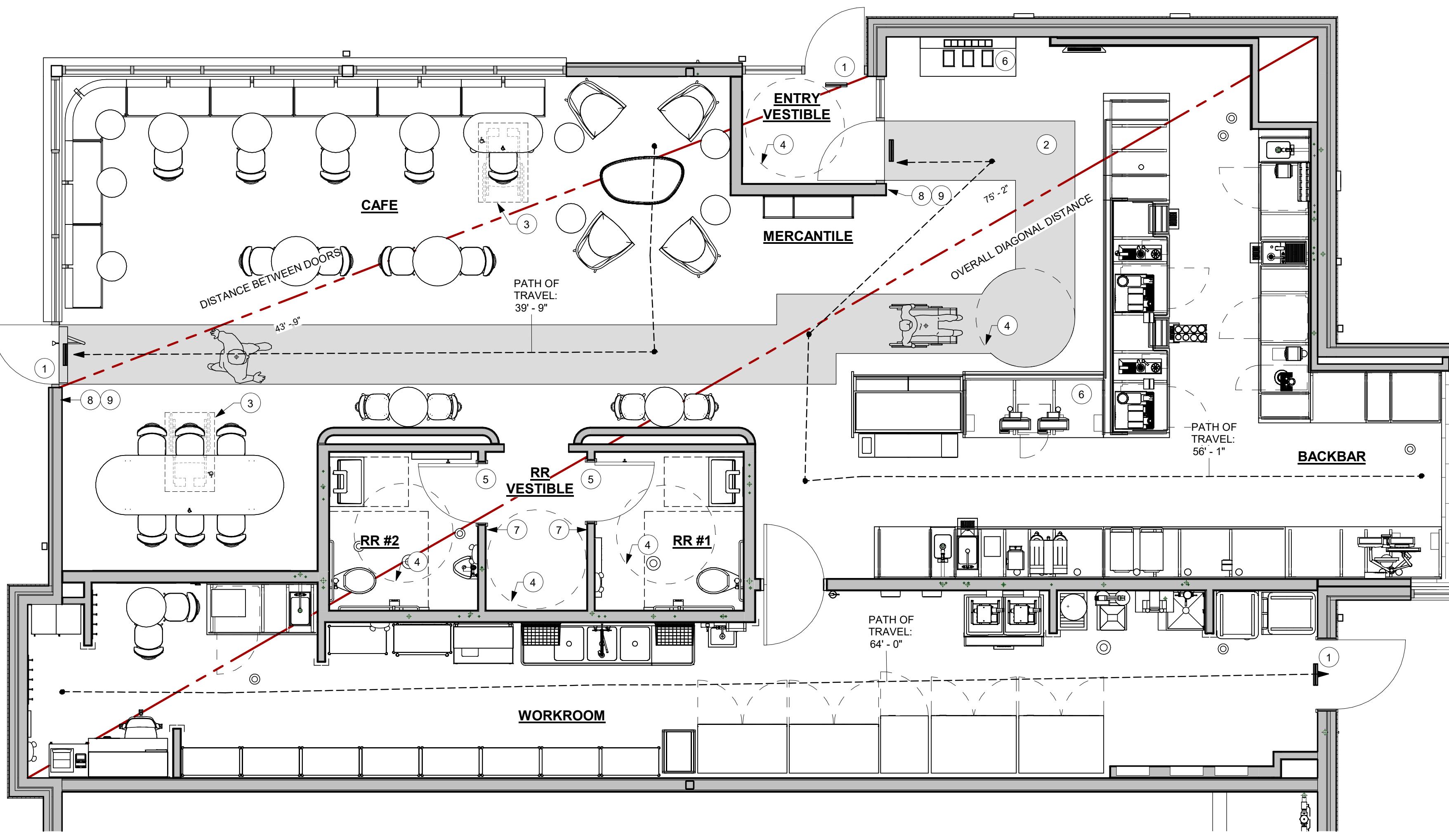
PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date   | By | Description |
|-----|--------|----|-------------|
| 1   | 3/7/24 |    | Revision 1  |
|     |        |    |             |
|     |        |    |             |
|     |        |    |             |

SHEET TITLE:  
**LIFE SAFETY & ACCESSIBILITY PLAN**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**G002**





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STARBUCKS TEMPLATE VERSION i2023.04.24



LIC. # - 184-007100

520 South Main Street, Suite 2331  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: 001-022424



AARON M. RODEBAUGH  
001-022424

signature

01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
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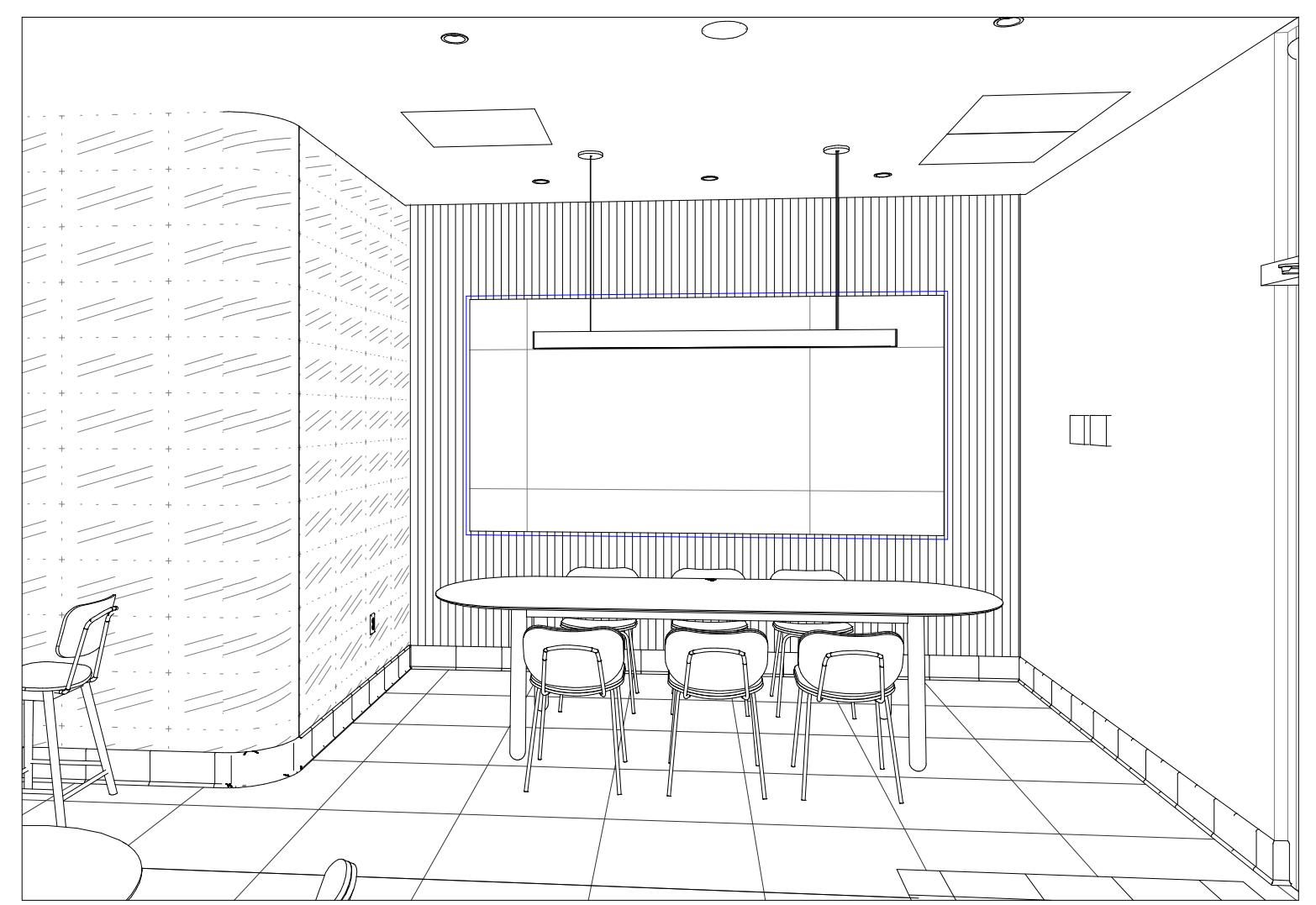
SHEET TITLE:  
**3D VIEWS**

SCALE: AS SHOWN

SHEET NUMBER:

G005

NOTE: DESIGN INTENT ONLY





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STARBUCKS TEMPLATE VERSION i2023.04.24

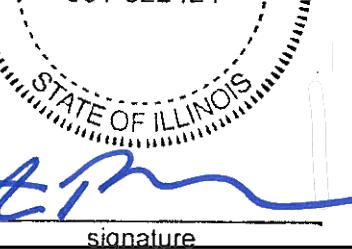


LIC. # - 184-007100

520 South Main Street, Suite 2331  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER ARCS/2023262.13

AARON M. RODEBAUGH  
001-022424



signature

01/19/2024

date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**RENDERINGS**

SCALE: AS SHOWN

SHEET NUMBER:

**G006**





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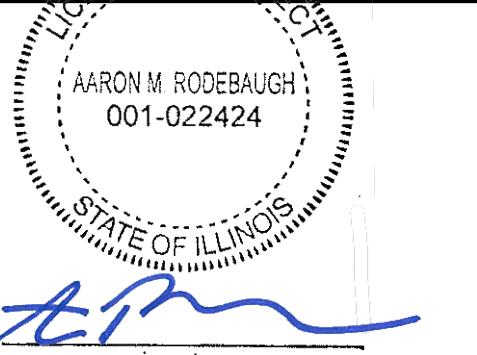
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**GPD GROUP, INC.\***  
LIC. # - 184-007100

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Akron, OH 44351  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER ARCH/2023262.13



AARON M. RODEBAUGH  
001-022424  
*[Signature]*

03/07/24  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |        |    |             |  |  |
|-------------------|--------|----|-------------|--|--|
| Rev               | Date   | By | Description |  |  |
| 1                 | 3/7/24 |    | Revision 1  |  |  |
|                   |        |    |             |  |  |
|                   |        |    |             |  |  |
|                   |        |    |             |  |  |
|                   |        |    |             |  |  |
|                   |        |    |             |  |  |

SHEET TITLE:  
**ARCHITECTURAL SITE PLAN**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**A001**

## KEYED NOTES

1. STARBUCKS PATIO / SEATING AREA.
2. HATCH INDICATES STARBUCKS TENANT SPACE.
3. SIDEWALKS, BY LL, ENSURE ACCESSIBLE PATH OF TRAVEL TO ENTRY.
4. MINIMUM 12'-0" WIDE 6" THICK CONCRETE DRIVE-THRU LANE WITH 6" CURB. EXTEND 12' BEYOND CENTERLINE OF DT WINDOW AND 12' BEFORE ORDER POINT. (BY LL)
5. TRASH ENCLOSURE, BY LL.
6. LANDSCAPE AREA, BY LL.
7. PATIO RAILING, BY LL, REFER TO SHELL CONSTRUCTION DRAWINGS.
8. CANOPY ABOVE, BY LL.
9. NON-ILLUMINATED BOLLARD AND FOOTING, BY LL. SEE 5/A002.
10. STARBUCKS DRIVE-THRU EQUIPMENT, ASSOCIATED FOUNDATION AND ELECTRICAL CONDUIT WITH PULL STRINGS BY LL. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
11. DIRECTIONAL GRAPHIC, BY LL.
12. SITE DIRECTIONAL SIGNAGE LOCATION, ASSOCIATED FOOTING AND ELECTRICAL CONDUIT WITH PULL STRINGS BY LL. SEE STRUCTURAL AND ELECTRICAL DRAWINGS.
13. ACCESSIBLE PARKING SPACES, BY LL, SEE CIVIL PLANS.
14. DT CLEARANCE BAR LOCATION, ASSOCIATED FOOTING BY LL. SEE 2/A002.
15. PROPOSED LOCATION OF BELOW-GROUND GREASE INTERCEPTOR, BY LL, SEE PLUMBING DRAWINGS.
16. DT DETECTOR LOOP AT ORDER POINT AND DT WINDOW, BY LL, SEE ELECTRICAL FOR MORE INFORMATION.
17. HOOP BIKE RACK, BY LL. SEE SHELL BUILDING CONSTRUCTION DRAWINGS FOR DETAILS.
18. LOCATION OF MONUMENT SIGN BY LANDLORD. ASSOCIATED FOOTING AND ELECTRICAL CONDUIT WITH PULL STRINGS BY G.C. FOOTINGS AND SIGN TO BE DESIGNED AND PERMITTED BY OTHERS UNDER SEPARATE SUBMITTAL.
19. DRIVE-THRU WINDOW WITH AIR CURTAIN, BY LL.
20. STRIPING AND CURB RAMP BY LL.
21. 6" CONCRETE CURB, TYPICAL, BY LL.
22. ELECTRICAL CABINET AND METER LOCATION BY LL.
23. WHEEL STOPS BY LL.
24. LOCATION OF MOP CUSTOMER PARKING SIGNAGE.
25. ELECTRICAL TRANSFORMER LOCATION

## GENERAL NOTES

| SIGNAGE SCHEDULE - "S" |       |  |          |          |   |
|------------------------|-------|--|----------|----------|---|
| DESIGN ID              | COUNT | DESCRIPTION  | FURN. BY | INST. BY | COMMENTS  |
| SIGNAGE                |       |  |          |          |   |
| 23099                  | 1     | SIGN - DRIVE THRU ILLUMINATED RACEWAY GREEN - 10IN 255MM                 | SB       | GC       | GREEN LETTERS   |
| SIGNAGE - DISK         |       |  |          |          |   |
| 13164                  | 1     | SIGN - DISK SF ILLUMINATED FLUSH MOUNTED EVOLVED - 60IN 1525MM           | SB       | GC       |   |
| 22606                  | 1     | SIGN - DISK SF ILLUMINATED FLUSH MOUNTED EVOLVED - 72IN 1830MM           | SB       | GC       |   |
| SIGNAGE - DRIVE THRU   |       |  |          |          |   |
| 22544                  | 1     | SIGN - DT CLEARANCE BAR SQUARE FRAME FREESTANDING - BLACK AND DARK GREEN | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |
| 23075                  | 1     | SIGN - DIRECTIONAL EXIT ONLY ILLUM DS - NEW FOUNDATION - 36IN 915MM      | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |
| 23085                  | 1     | SIGN - DT DIRECTIONAL ARROW ILLUM DS - NEW FOUNDATION - 36IN 915MM       | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |
| SIGNAGE - OTHER        |       |  |          |          |   |
| 21297                  | 3     | SIGN - 5 MINUTE PARKING  | LL       | LL       | POST AND FOOTING PROVIDED BY AND INSTALLED BY LL.       |
| X12847                 | 1     | SIGN - MONUMENT SIGN   | LL       | LL       |   |
| SIGNAGE - WORDMARK     |       |  |          |          |   |
| X18509                 | 1     | SIGN - WORDMARK STARBUCKS ON RACEWAY - 24IN 610MM                        | SB       | GC       | GREEN LETTERS   |

| SITE SCHEDULE - "Y" |       |   |          |          |   |
|---------------------|-------|---|----------|----------|---|
| DESIGN ID           | COUNT | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS  |
| EXTERIOR MENU       |       |   |          |          |   |
| 22540               | 1     | MENU BOARD - DT 5 PANEL SQUARE FRAME FREESTANDING - 95X62IN 2415X1575MM - BLACK | SB       | GC       | FOOTINGS AND FOUNDATIONS BY GC.                         |
| 22542               | 1     | MENU BOARD - DT PRE MENU SQUARE FRAME FREESTANDING - 29X61IN 735X1550MM - BLACK | SB       | GC       | FOOTINGS AND FOUNDATIONS BY GC.                         |
| 22546               | 1     | MENU BOARD - DT DIGITAL ORDER SCREEN WITH POST - BLACK                          | SB       | GC       | FOOTINGS AND FOUNDATIONS BY GC.                         |
| OTHER               |       |   |          |          |   |
| 10041               | 1     | TRASH ROUND - 18IN 455MM  | SB       | GC       |   |
| 10042               | 1     | BIKE RACK HOOP  | LL       | LL       | FOUNDATIONS BY LL                                       |
| 14103               | 4     | BOLLARD NONILLUMINATED SQUARE - FLAT BLACK MT0028                               | SB       | GC       | LL TO PROVIDE FOUNDATIONS.                              |
| 22543               | 1     | DT ORDER POINT CANOPY SQUARE FRAME - BLACK                                      | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |
| 23113               | 1     | GROUND GRAPHICS DT ENTRY STENCIL  | LL       | LL       | REFERENCE PAINT 20511 FOR SPECIFICATIONS                |
| 23115               | 2     | GROUND GRAPHICS DO NOT ENTER STENCIL  | LL       | LL       | REFERENCE PAINT 20511 FOR SPECIFICATIONS                |
| 23117               | 9     | GROUND GRAPHICS ARROW STENCIL   | LL       | LL       | REFERENCE PAINT 20511 FOR SPECIFICATIONS                |
| UMBRELLA            |       |   |          |          |   |
| 18714               | 4     | UMBRELLA - BASE 200LB 90KG - FLAT BLACK MT0028                                  | SB       | GC       |   |
| 20073               | 4     | UMBRELLA - WITHOUT VALANCE - 6FT 183CM - GREEN CANVAS WITH WORDMARK F0056       | SB       | GC       |   |

0 500 1000  
Scale: 1" = 20'-0"





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STARBUCKS TEMPLATE VERSION I2023.04.24

**GPD GROUP, INC.\***  
LIC. # 184-007100  
520 South Main Street, Suite 2551  
Akron, OH 44351  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: I2023262.13

AARON M. RODEBAUGH  
001-022424  
signature

01/19/2024  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95143-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

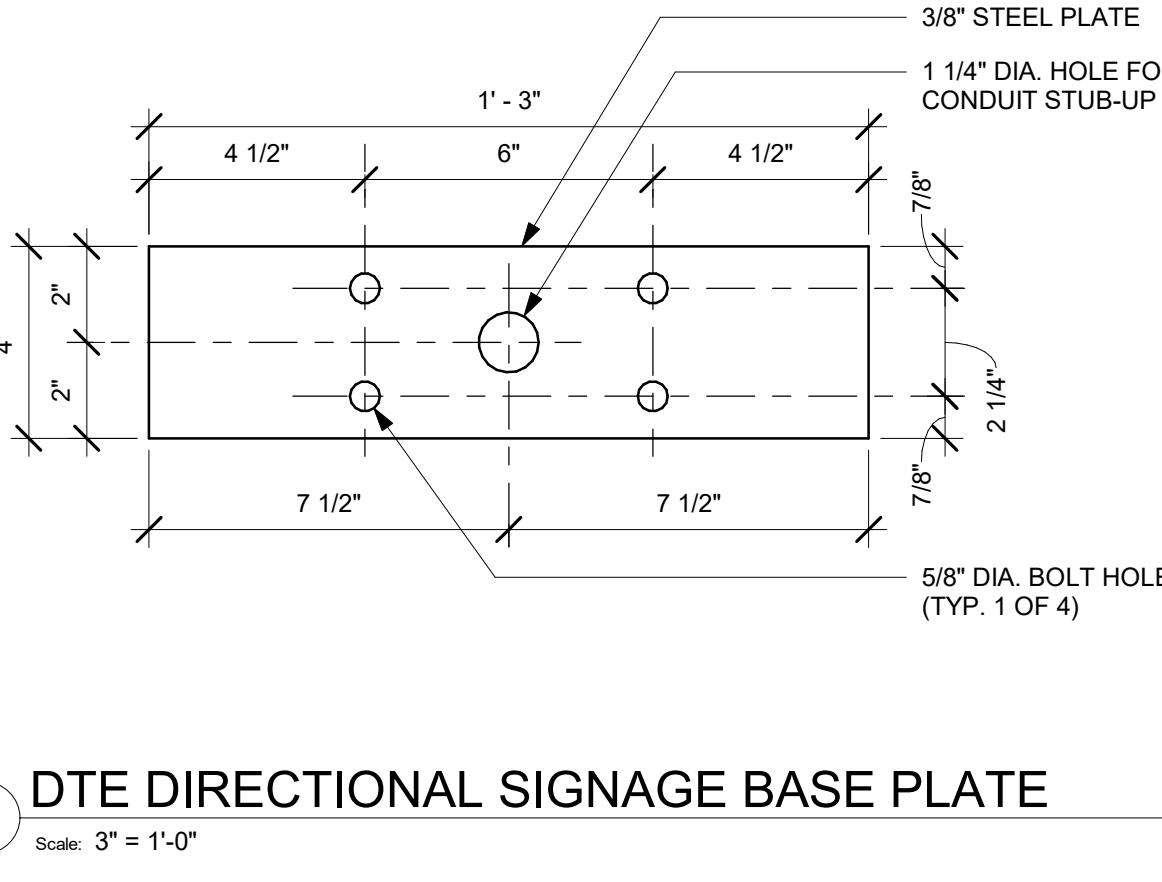
Rev Date By Description

SHEET TITLE:  
**ARCHITECTURAL SITE DETAILS**  
SCALE: AS SHOWN

SHEET NUMBER:  
**A002**

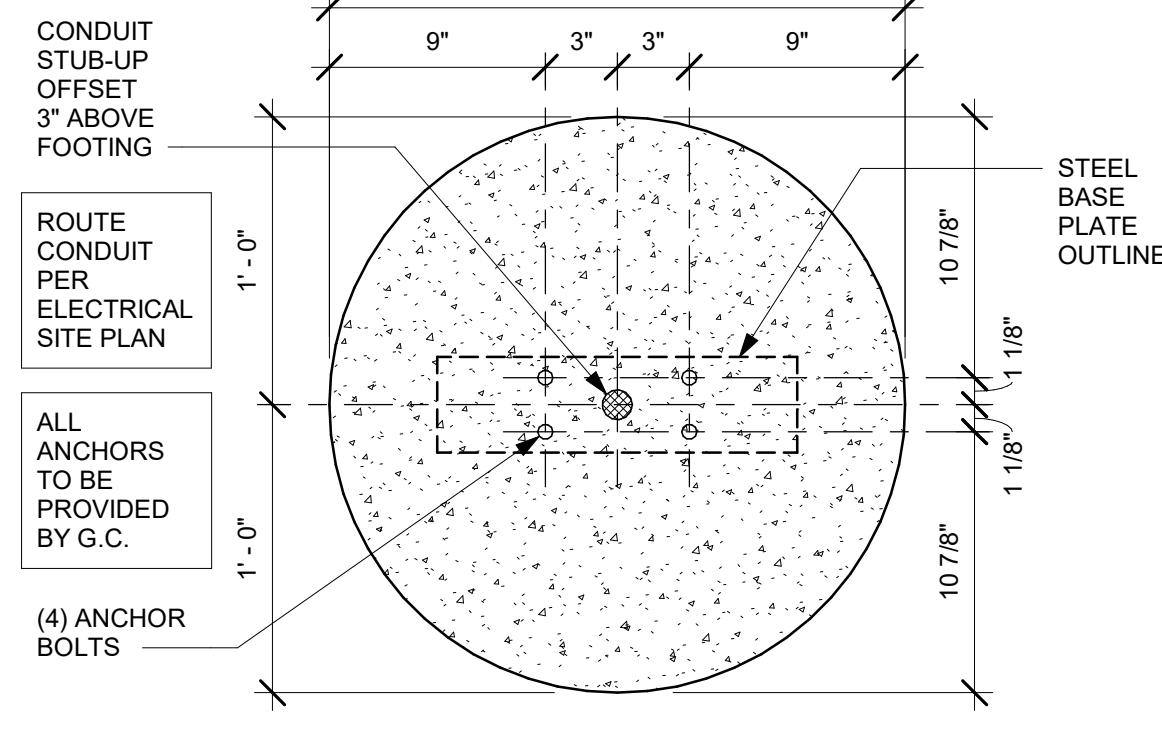
**NOTE: UNDERGROUND ELECTRICAL CONDUITS FOR DRIVE THRU EQUIPMENT FURNISHED AND INSTALLED BY LL WITH PULL STRINGS. FOOTING BY LL.**

**NOTE: COORDINATE ANCHOR ROD AND CONDUIT LOCATIONS WITH VENDOR SHOP DRAWINGS. ANCHOR RODS TO BE HOT DIPPED GALV. OR S.S. DETAILS SHOWN FOR REFERENCE ONLY.**



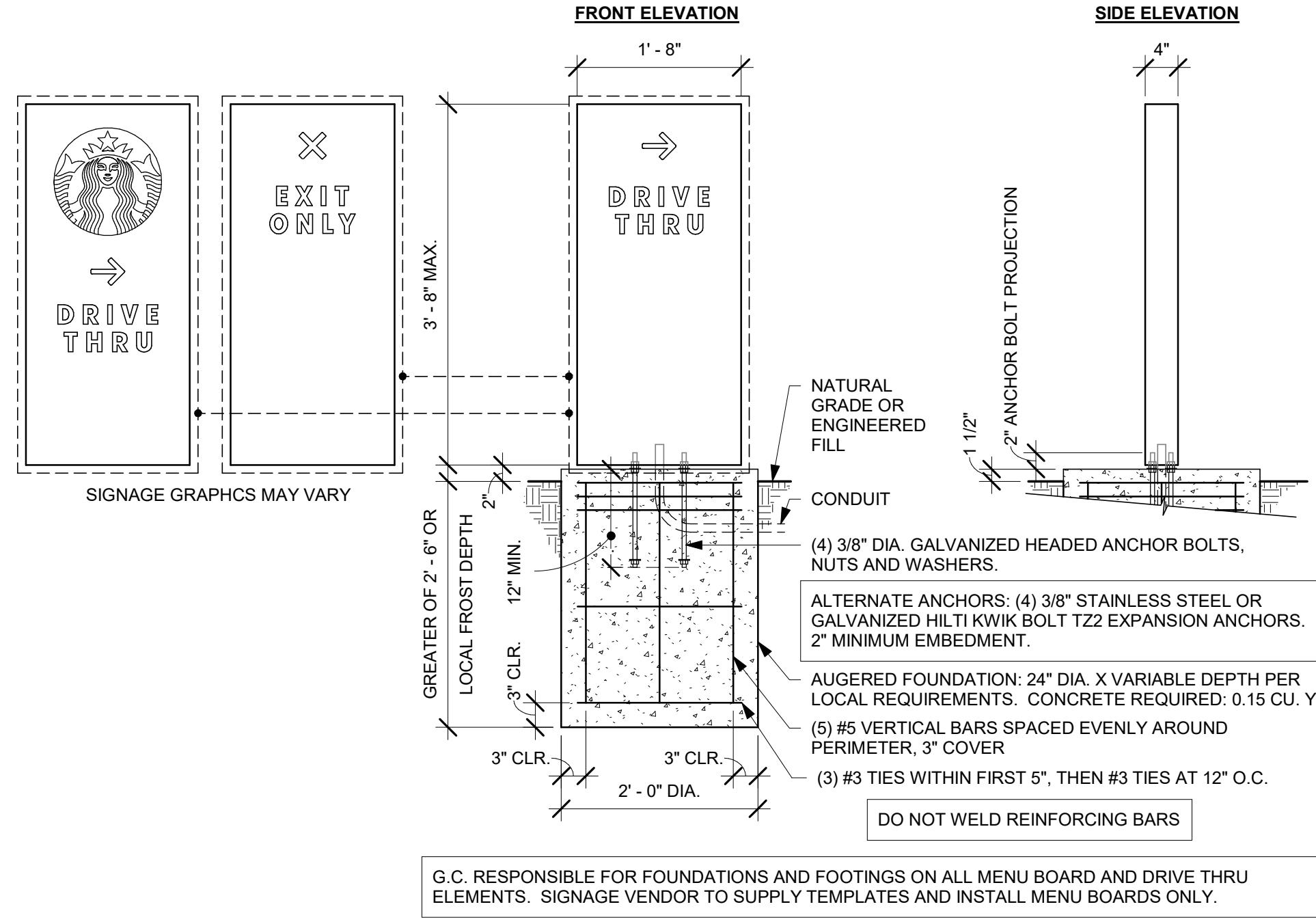
⑨ DTE-PRE-MENU 30-DEG

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



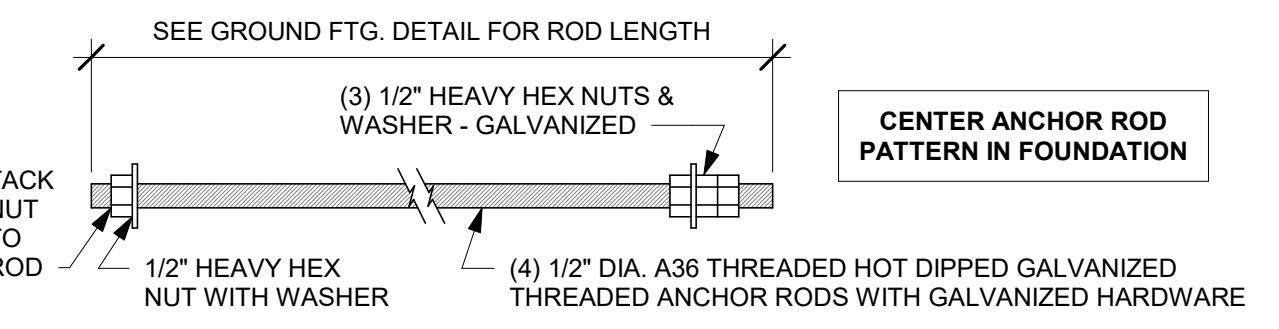
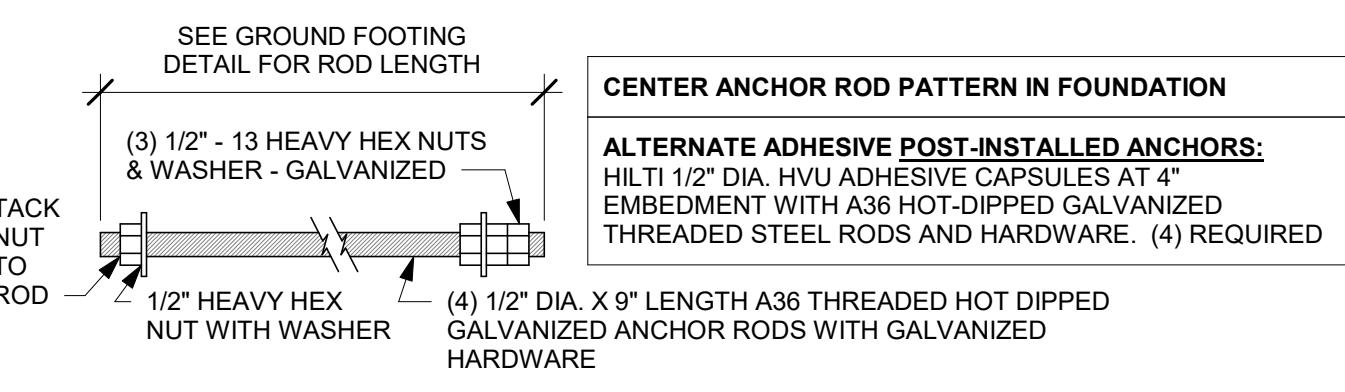
⑤ DTE - NON-ILLUMINATED BOLLARD

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



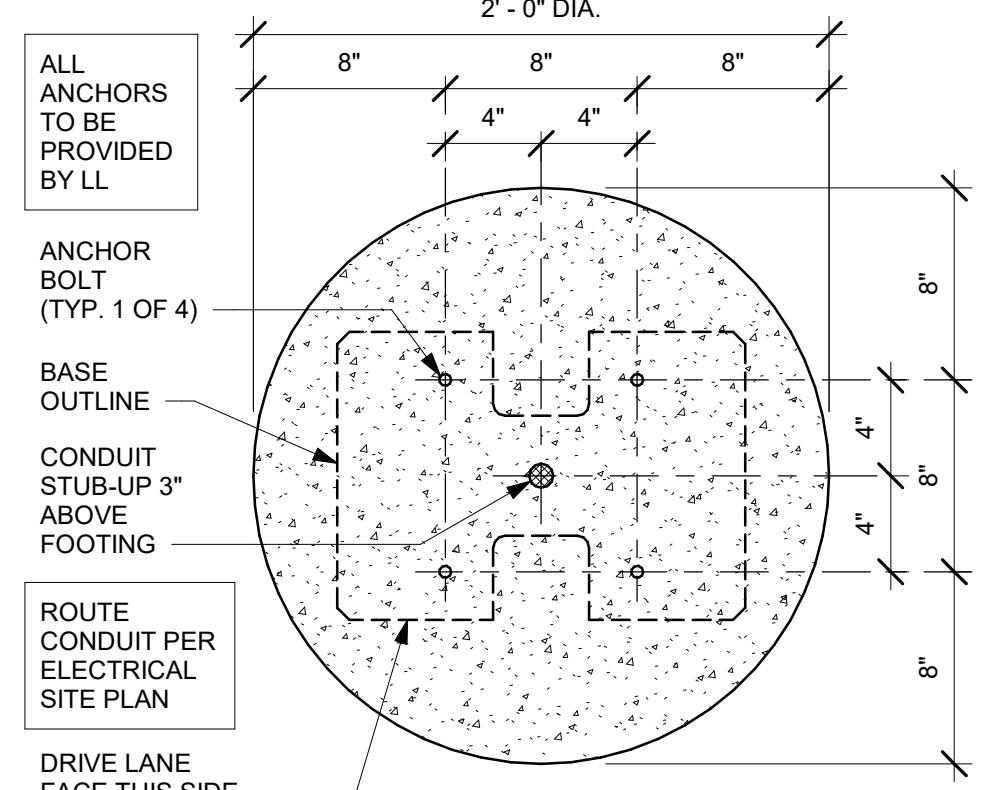
① DTE DIRECTIONAL SIGNAGE GROUND FOOTING

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



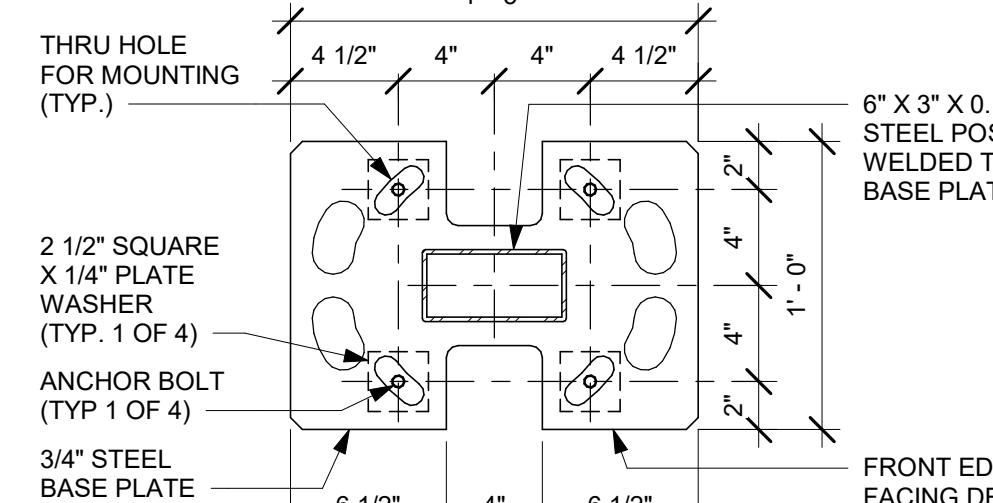
⑫ DTE PRE-MENU ANCHOR ROD

Scale: 3" = 1'-0"



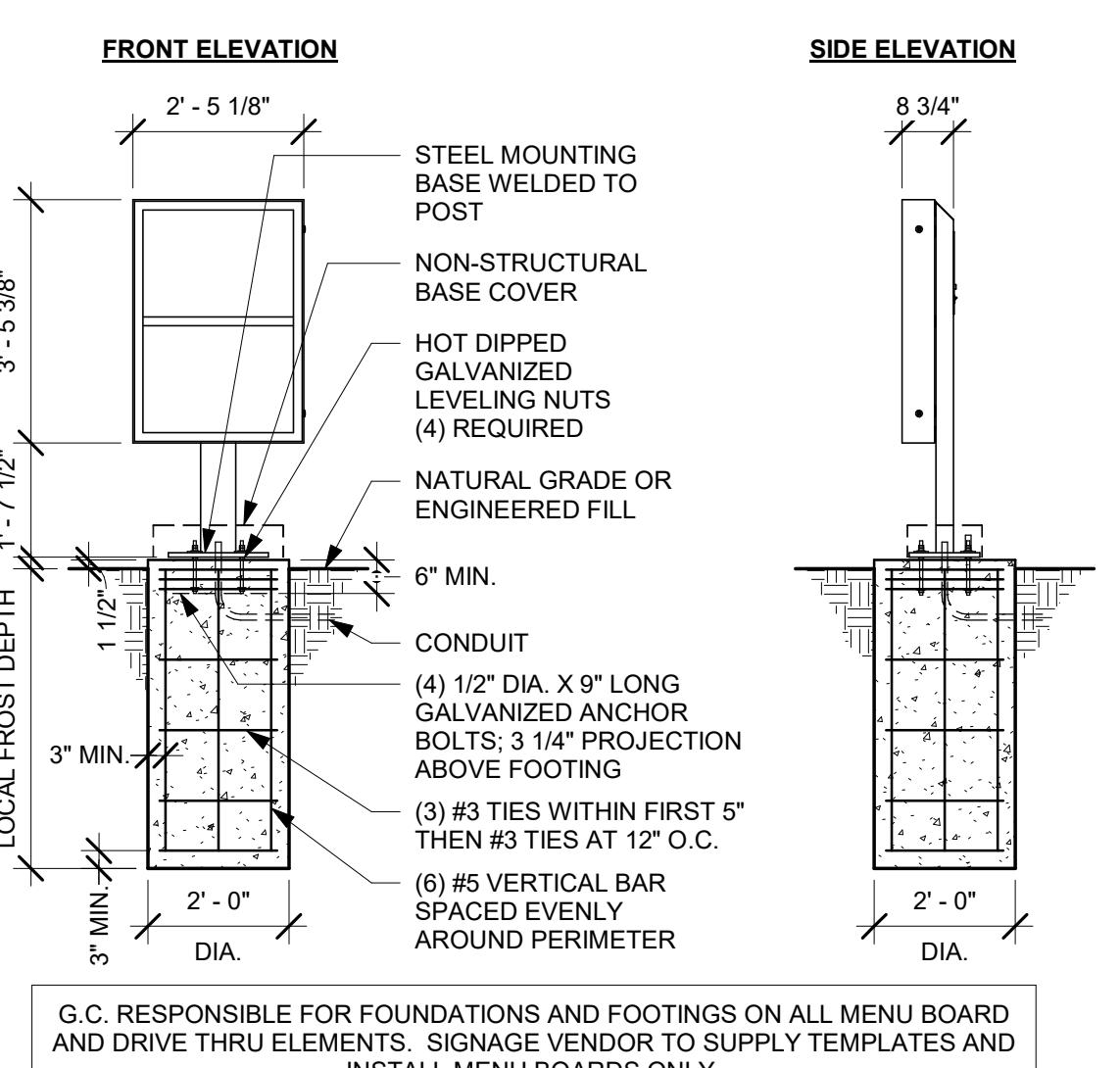
⑩ DTE PRE-MENU BOLT PATTERN (TOP VIEW)

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



⑥ DTE PRE-MENU BASE PLATE

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

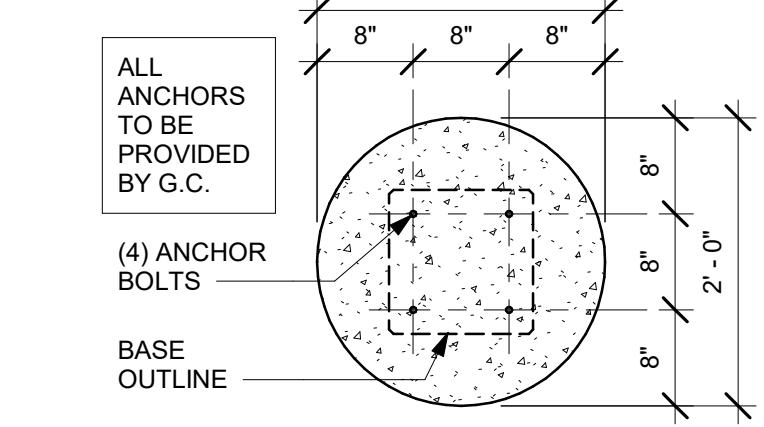


③ DTE PRE-MENU GROUND FOOTING (BY LL)

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

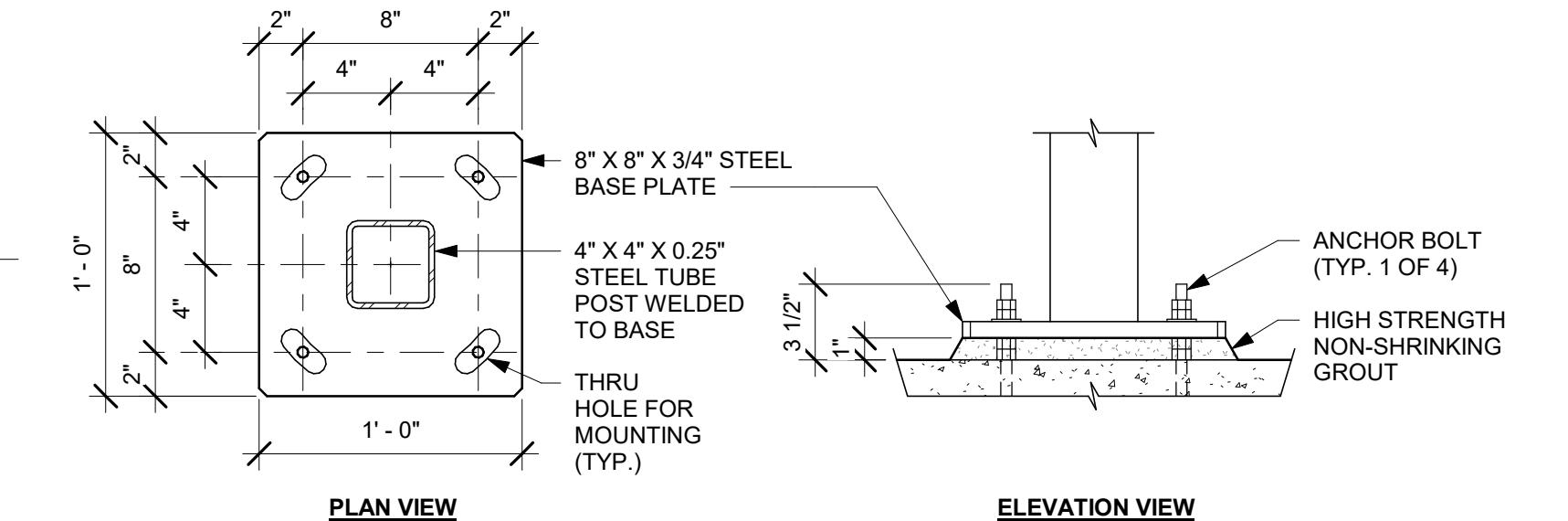
⑬ DTE CLEARANCE BAR ANCHOR ROD

Scale: 3" = 1'-0"



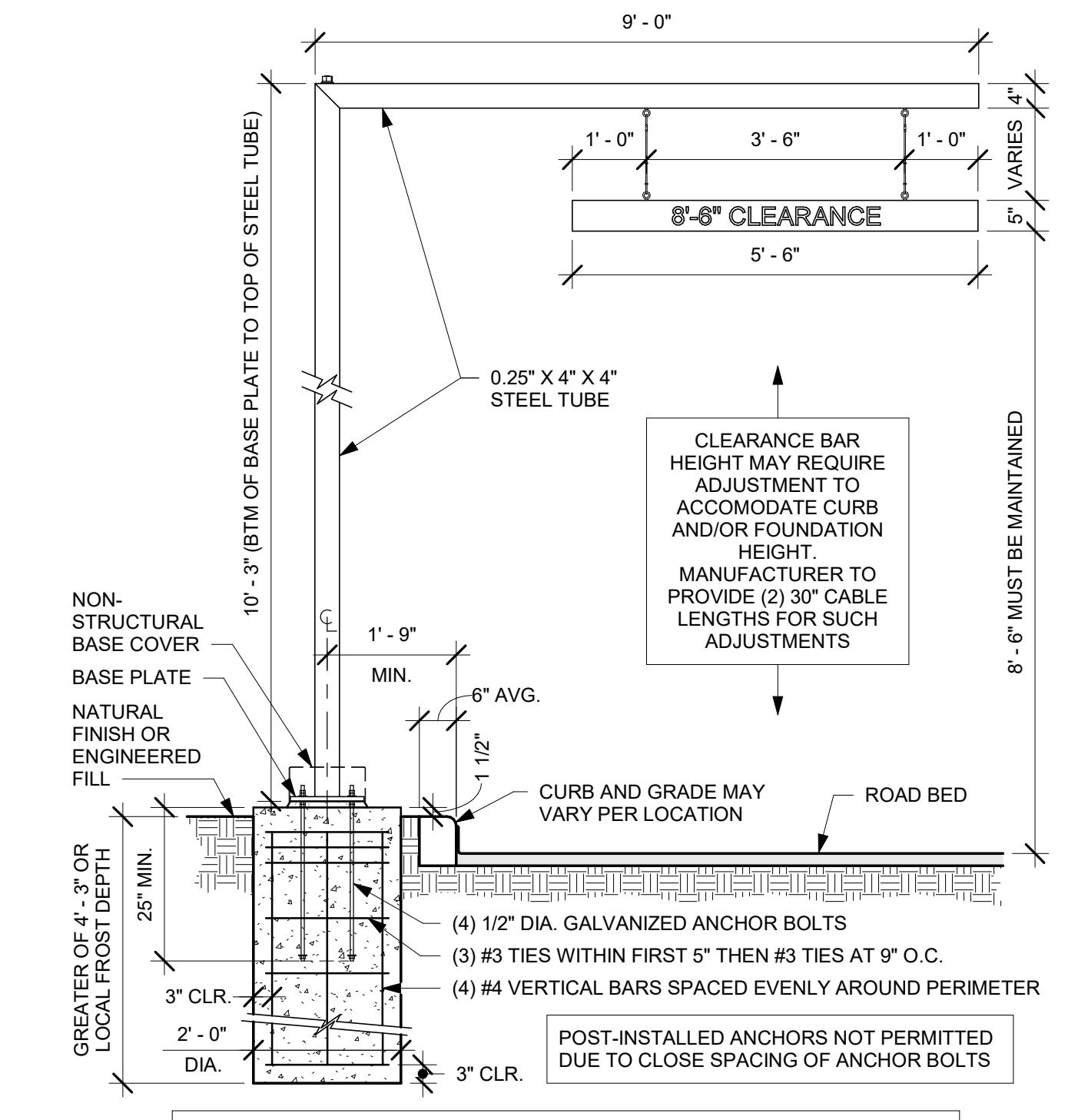
⑪ DTE CLEARANCE BAR BOLT PATTERN (TOP VIEW)

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



⑦ DTE CLEARANCE BAR BASE PLATE

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

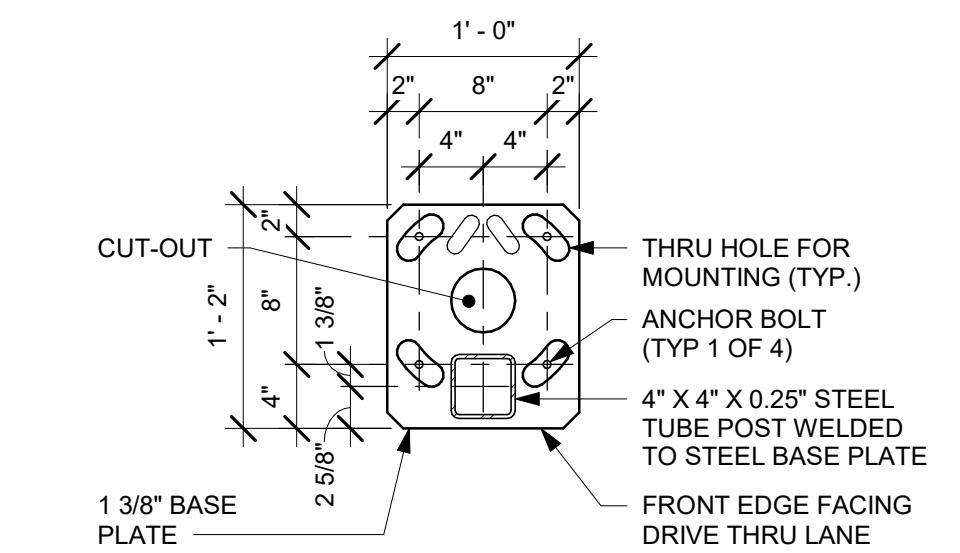


② DTE CLEARANCE BAR GROUND FOOTING (BY LL)

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

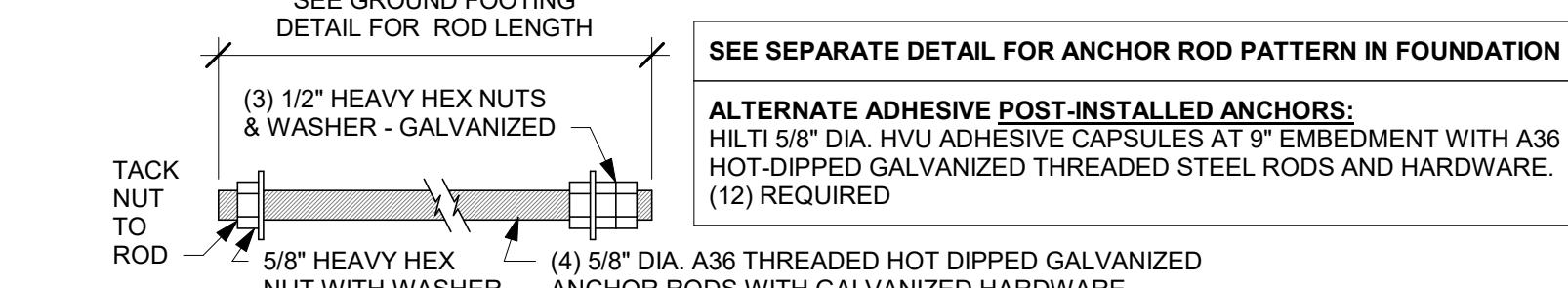
**NOTE:** COORDINATE ANCHOR ROD AND CONDUIT LOCATIONS WITH VENDOR SHOP DRAWINGS.  
ANCHOR RODS TO BE HOT DIPPED GALV. OR S.S.  
DETAILS SHOWN FOR REFERENCE ONLY.

**NOTE:** UNDERGROUND ELECTRICAL CONDUITS FOR DRIVE THRU EQUIPMENT FURNISHED AND INSTALLED BY LL WITH PULL STRINGS.  
FOOTING BY LL.



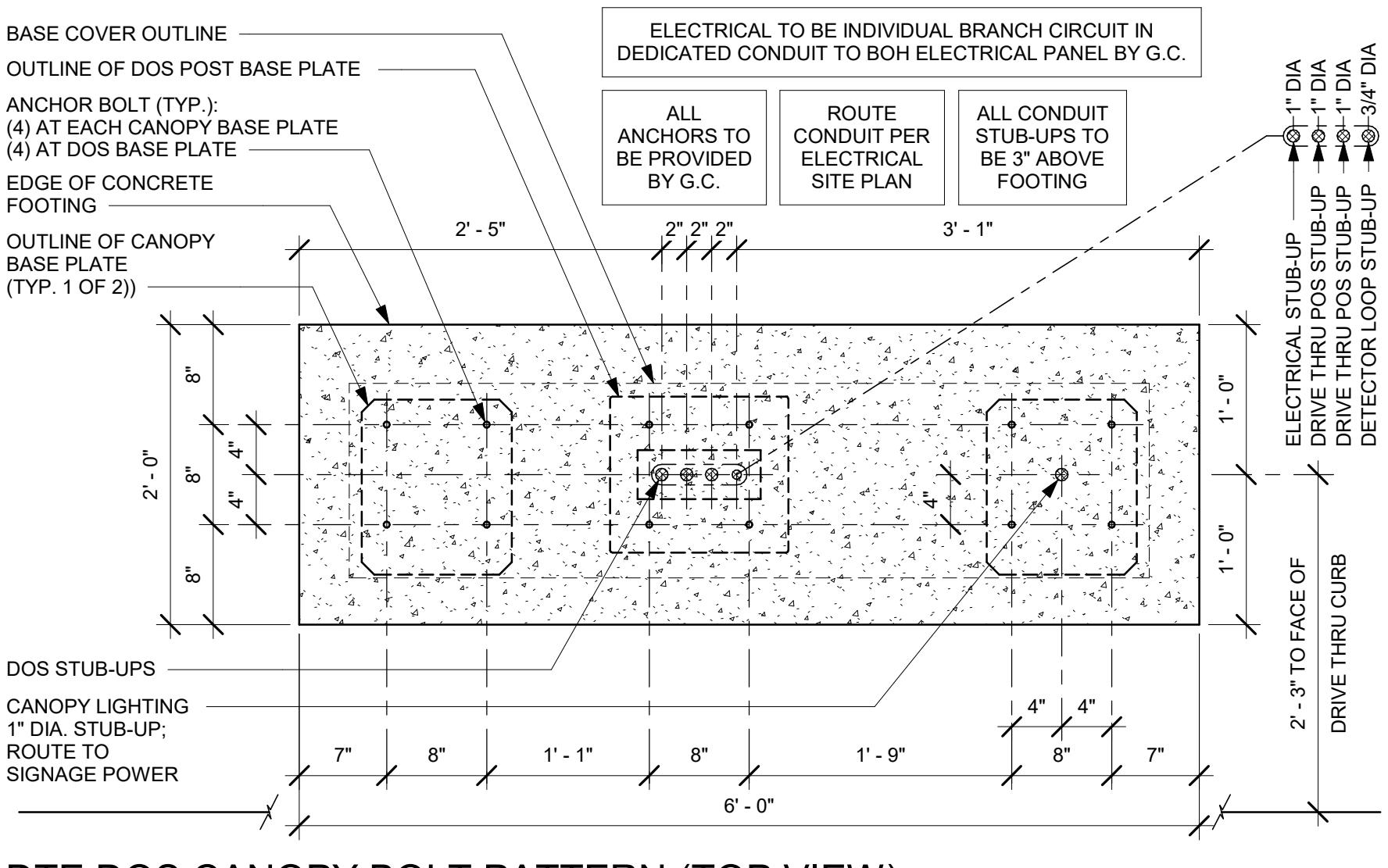
## 7 DTE DOS CANOPY BASE PLATE

Scale: 1" = 1



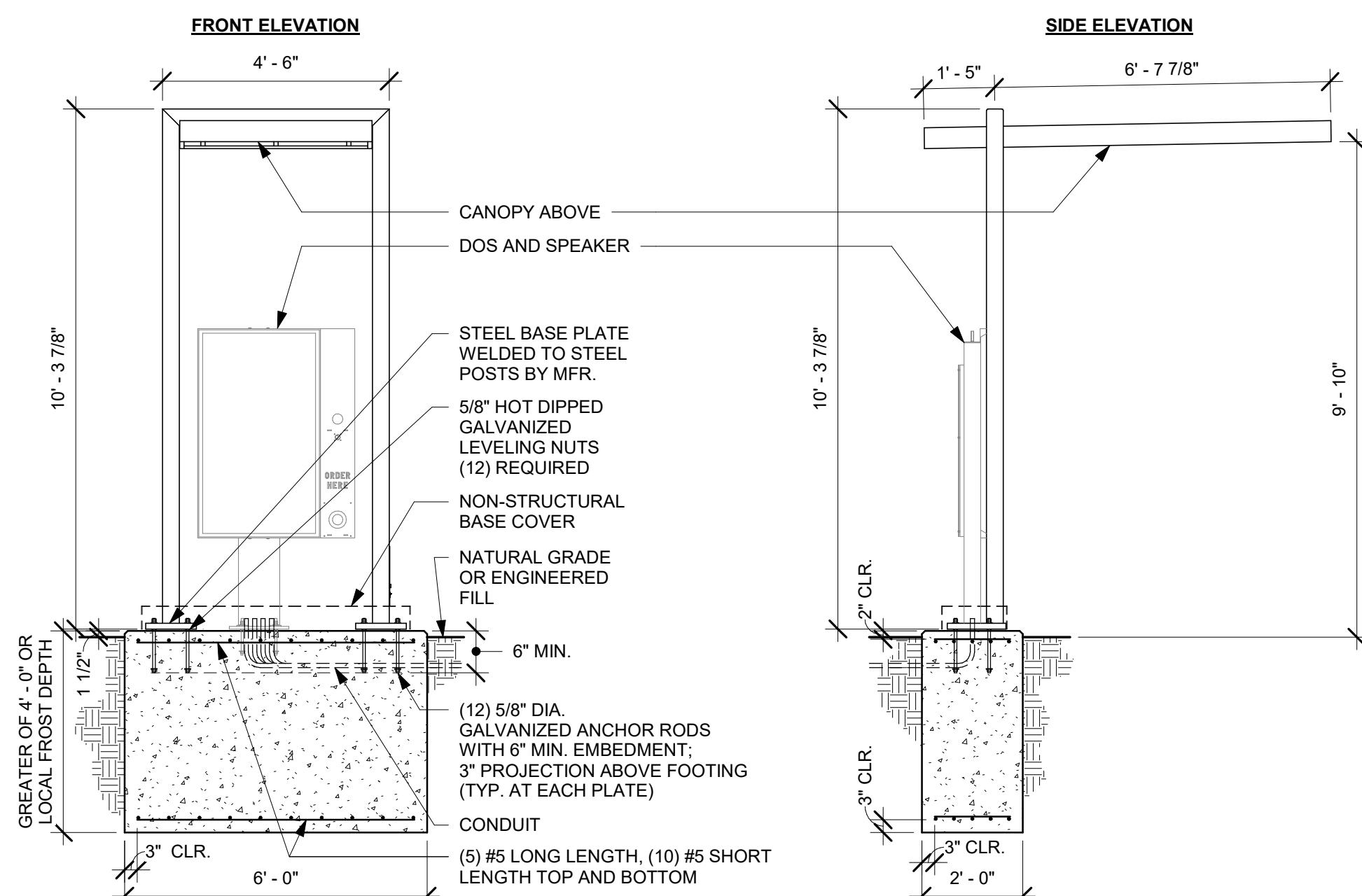
## 8 DTE DOS CANOPY ANCHOR ROD

Scale: 3" =



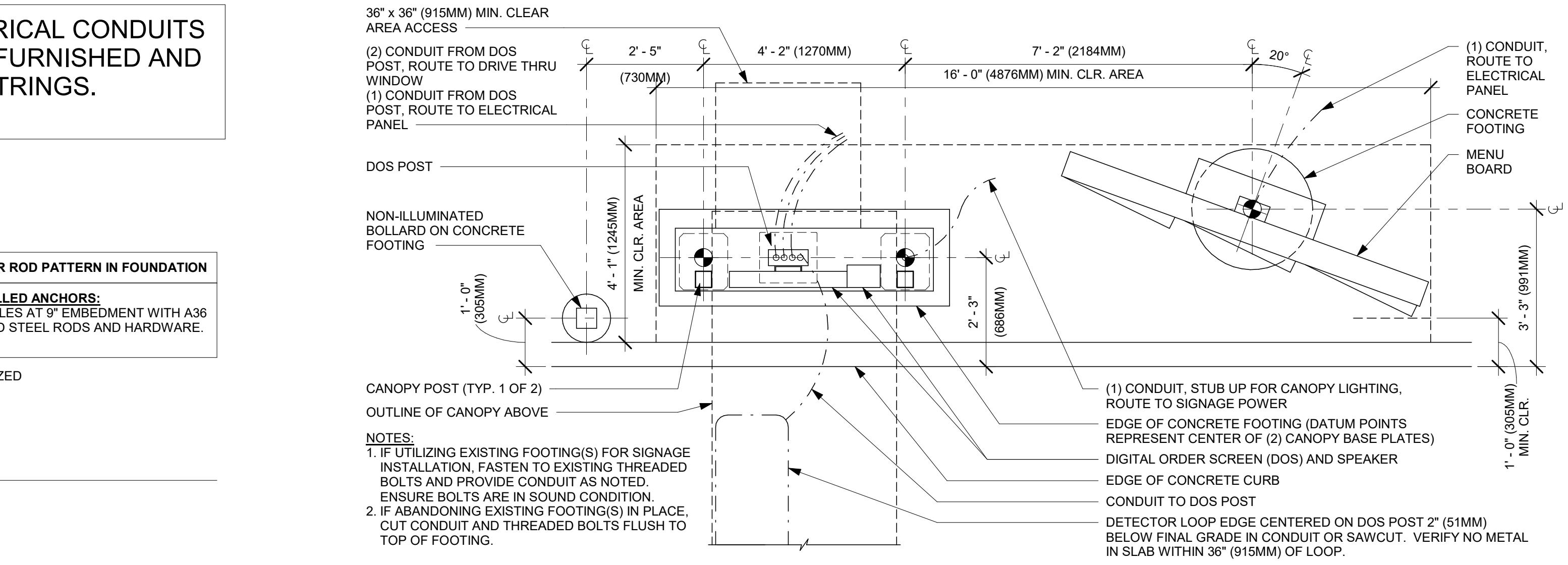
#### **4 DTE DOS CANOPY BOLT PATTERN (TOP VIEW)**

Scale: 1" = 1



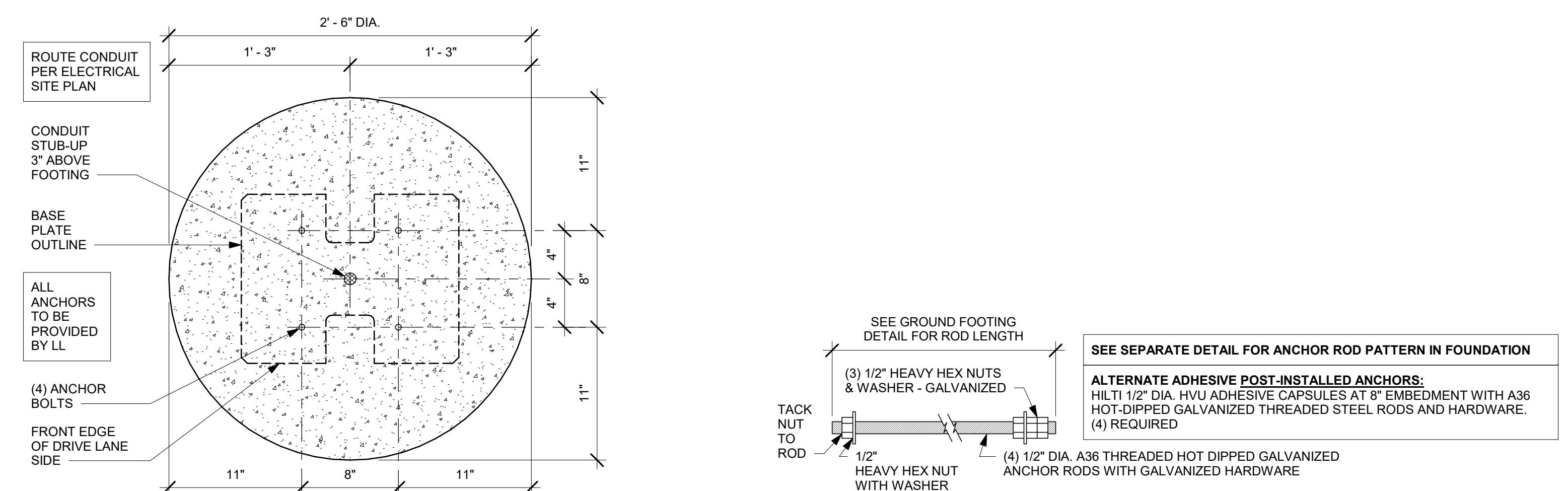
1 DTE DOS CANOPY GROUND FOOTING

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



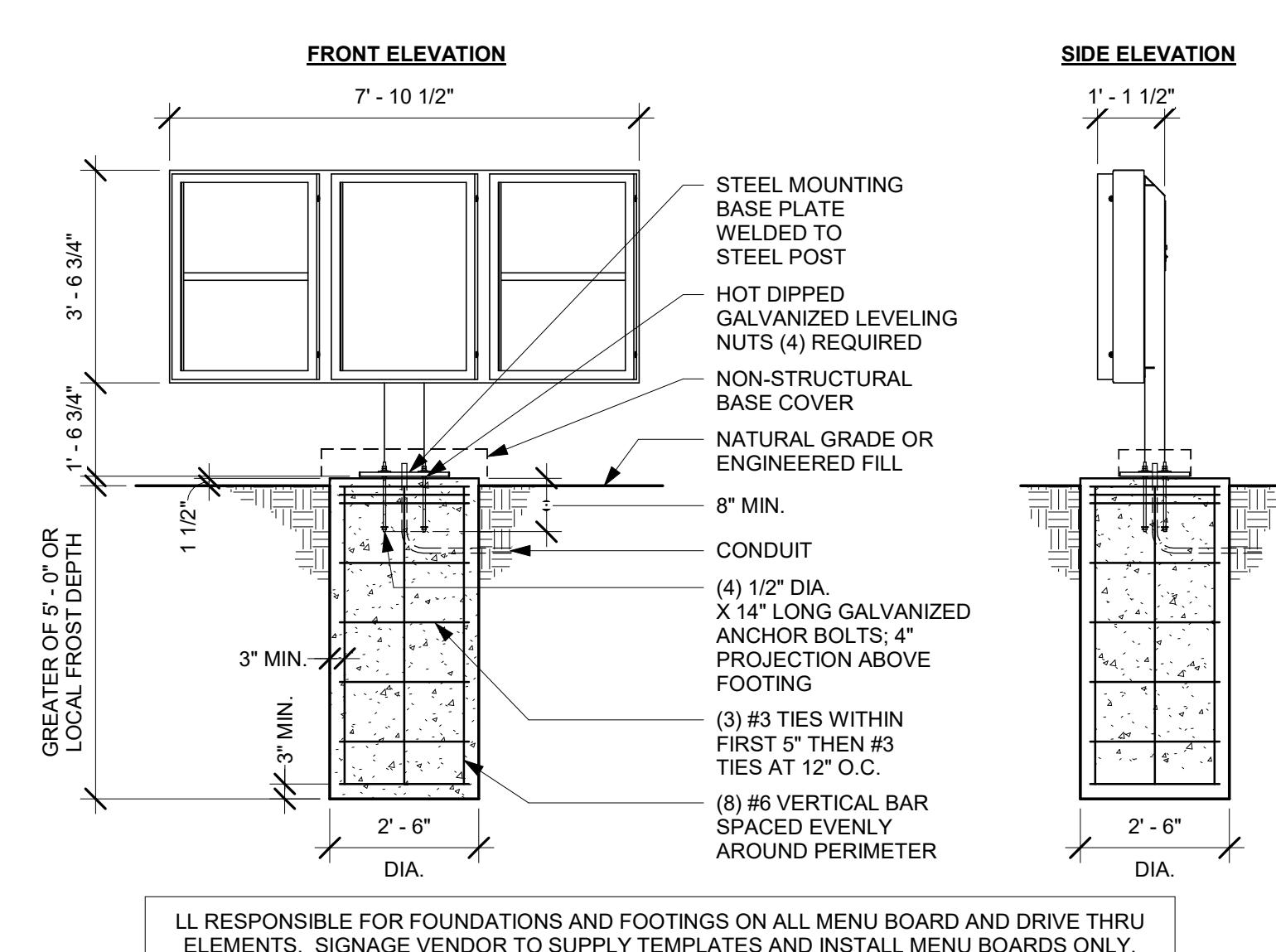
⑨ DTE - 5 PANEL 20° DT MENU BOARD, DIGITAL ORDER SCREEN WITH CANOPY

9 Scale: 1/2" = 1'-0"



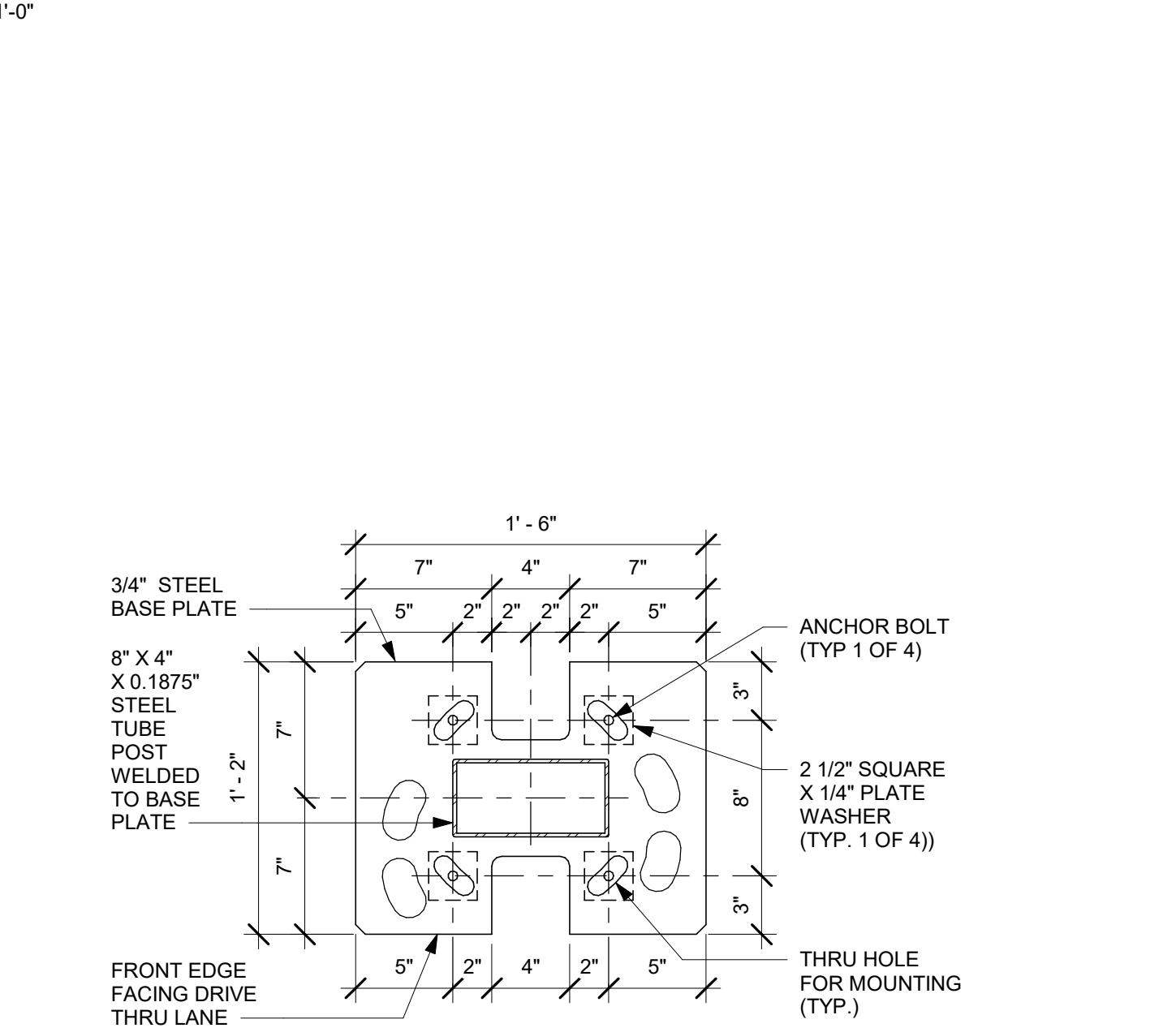
## **5 DTE 5-PANEL MENU BOARD BOLT PATTERN (TOP VIEW)**

Scale:  $1\frac{1}{2}'' = 1'$



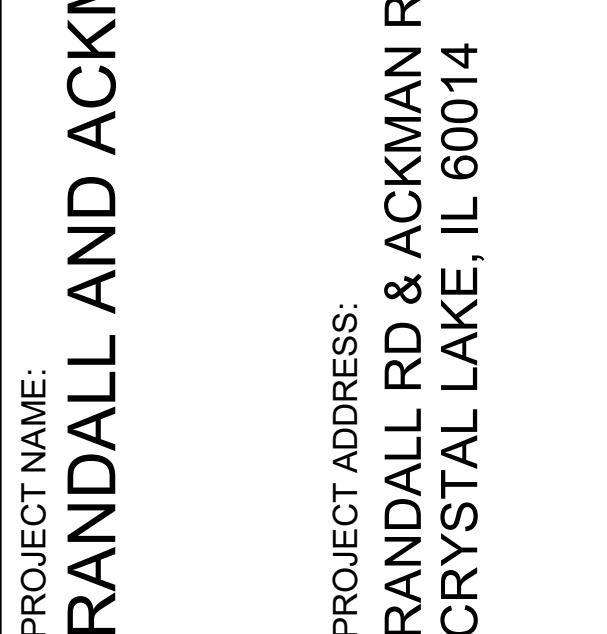
## ② DT 5-PANEL MENU BOARD GROUND FOOTING (BY LL)

Scale:  $\frac{3}{8}$ " = 1'-0"



3 DTE 5-PANEL MENU BOARD BASE PLATE

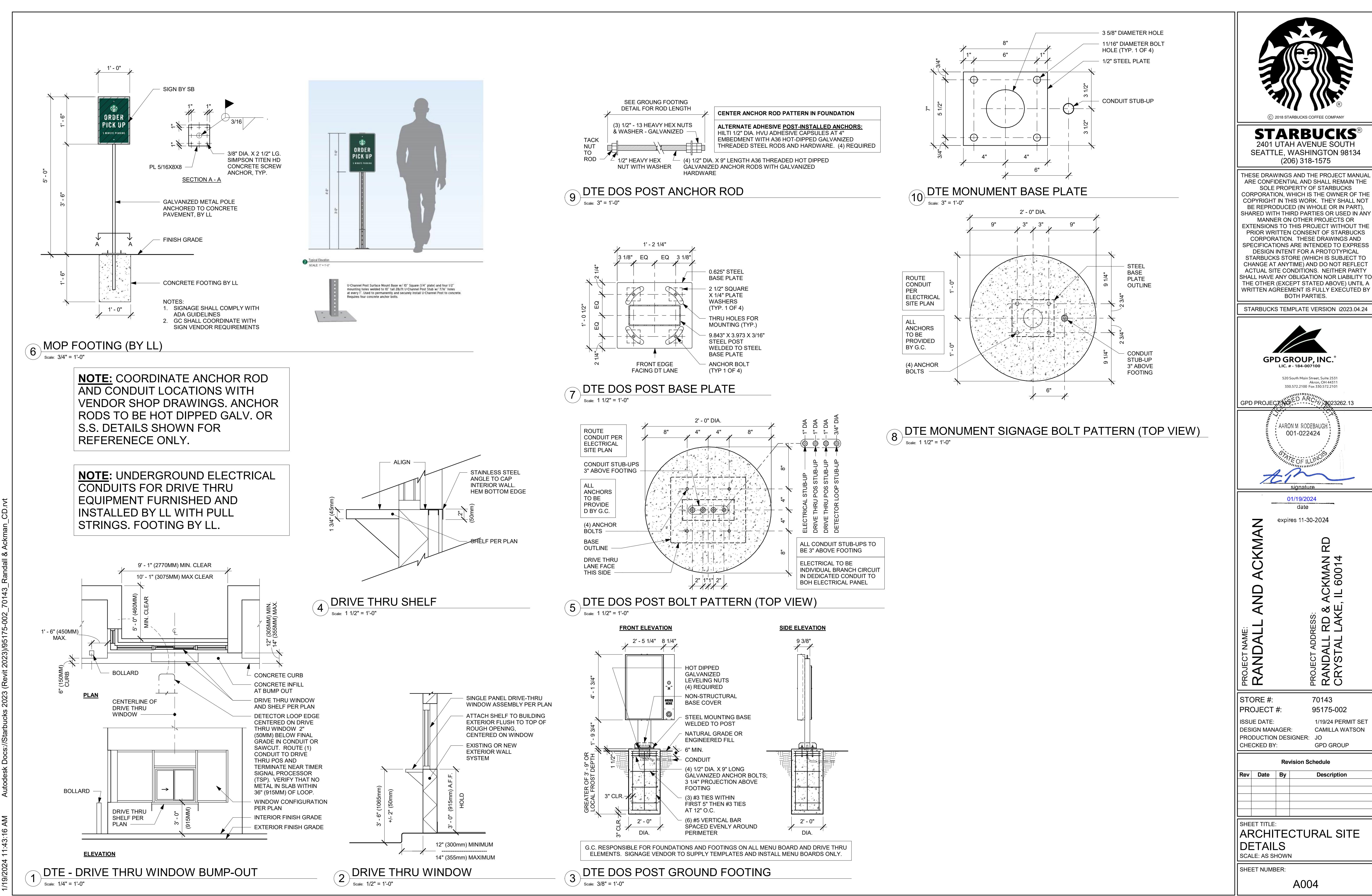
Scale: 1 1/2" =



STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPP GROUP

SHEET TITLE:  
**ARCHITECTURAL SITE  
DETAILS**  
SCALE: AS SHOWN

SHEET NUMBER:  
A003





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STARBUCKS TEMPLATE VERSION i2023.04.24



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520 South Main Street, Suite 2351  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: 001-022424  
GPD PROJECT DATE: 01/19/2024  
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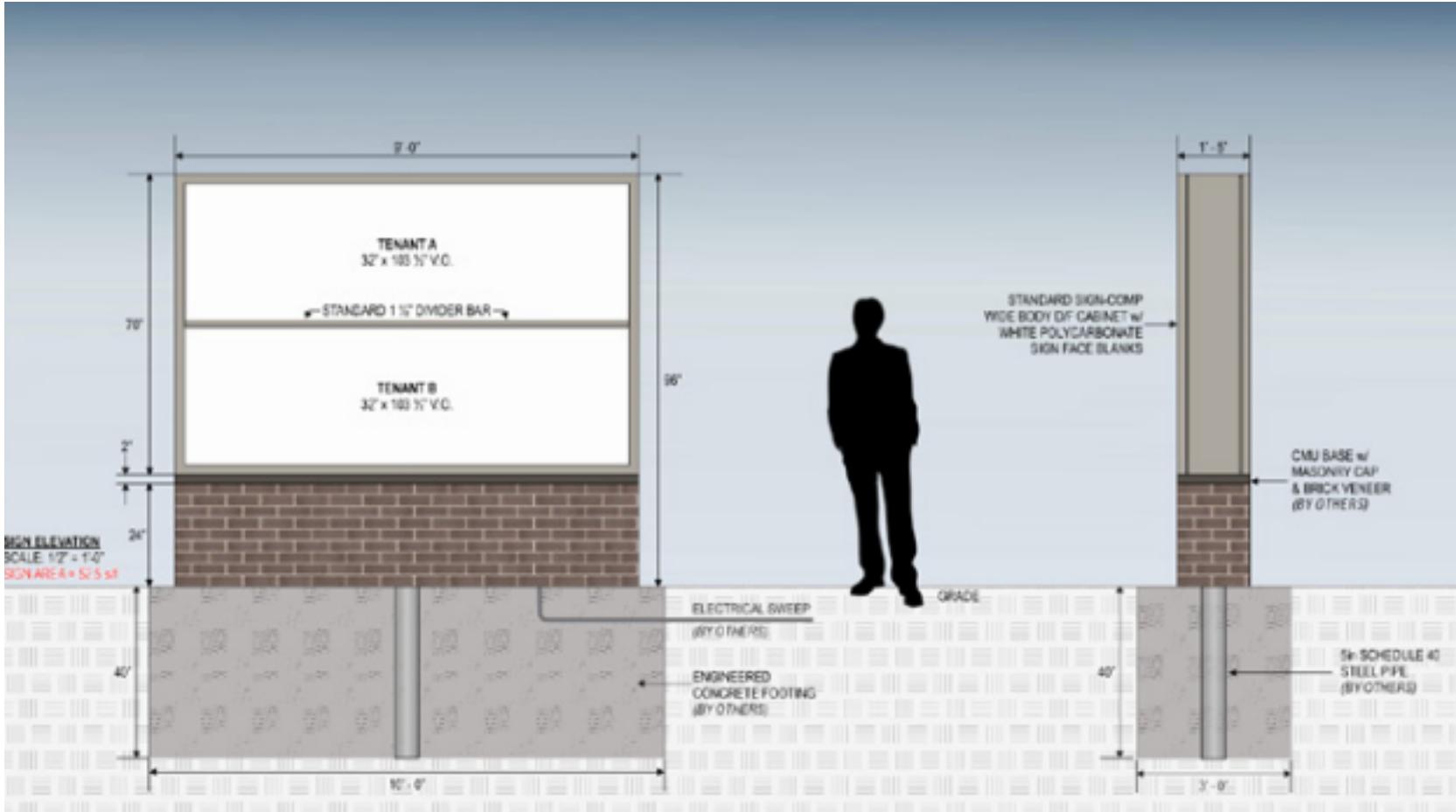
AARON M. RODEBAUGH  
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signature  
01/19/2024  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |

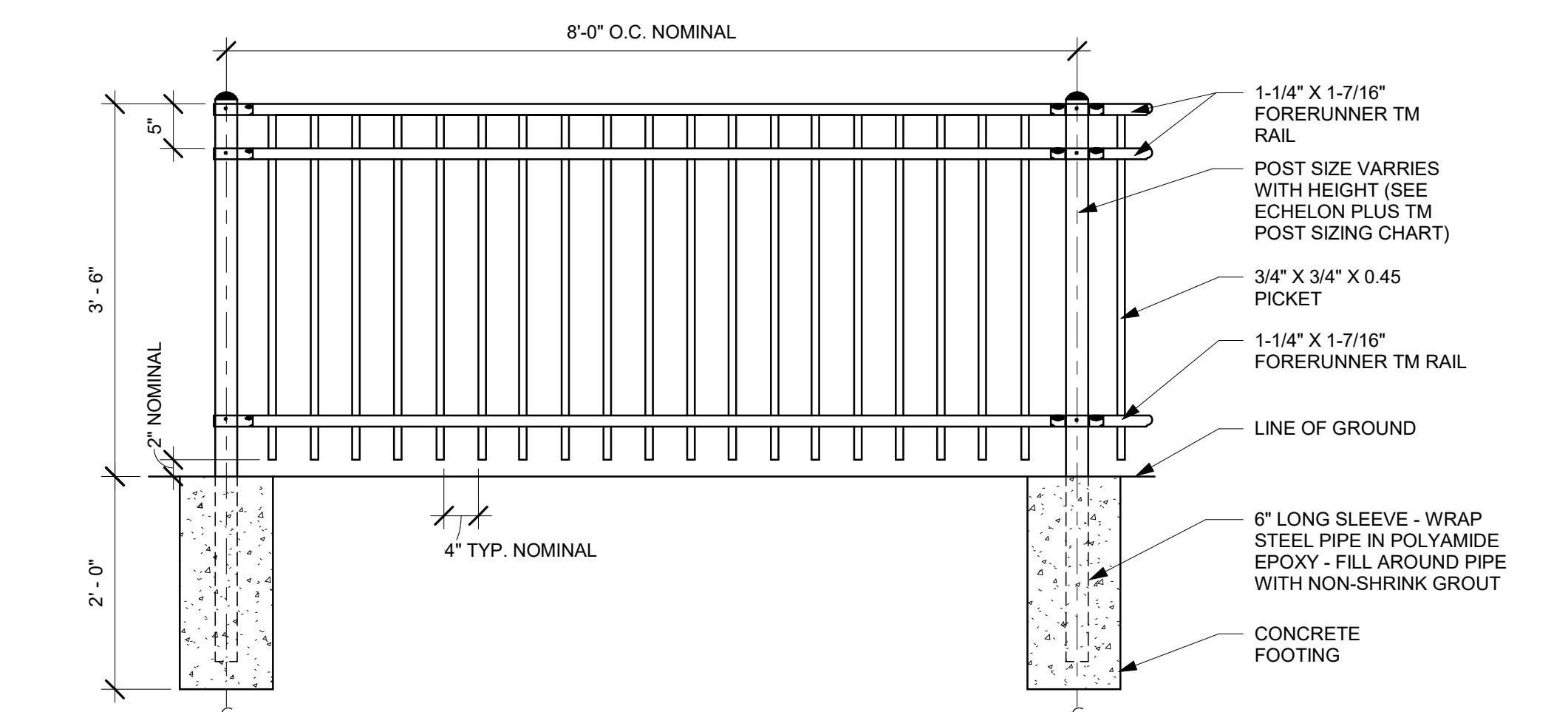
SHEET TITLE:  
**ENLARGED PATIO &  
RAILING DETAILS**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**A005**



③ PYLON/MONUMENT SIGN (FOR REFERENCE)

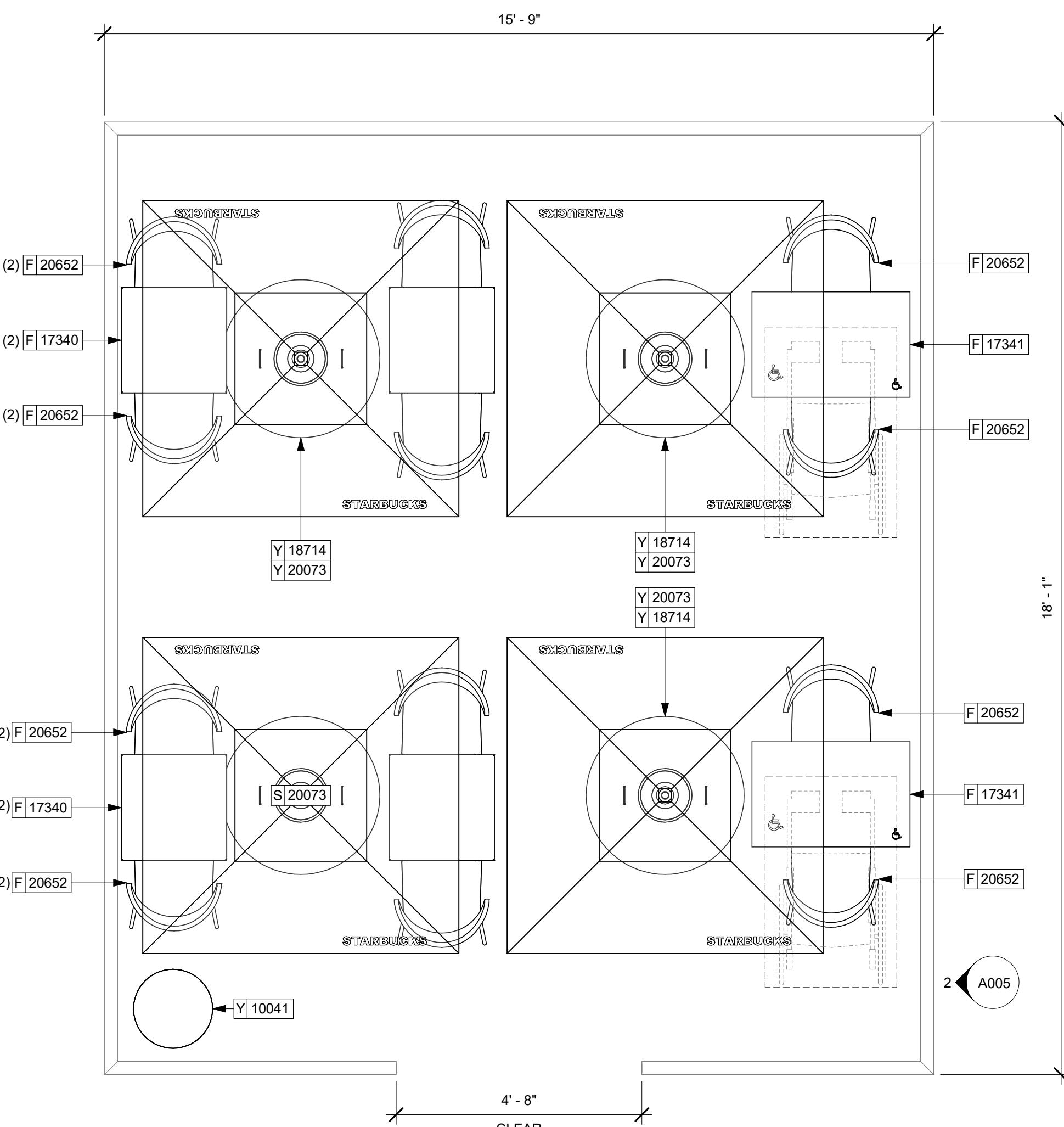
Scale: 1" = 1'-0"

**RAILING SPECIFICATION:**  
MANUFACTURER: AMERISTAR FENCE  
STYLE: ECHELON PLUS 3/4 RAIL MAJESTIC PANEL  
FINISH: BLACK POWDER-COATED ALUMINUM  
NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS TO STARBUCKS CONSTRUCTION MANAGER FOR APPROVAL



② RAILING DETAIL

Scale: N.T.S.



① ENLARGED PATIO PLAN

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

**WALL TYPE SCHEDULE**

| TAG   | DESCRIPTION                   | INSULATION | NOTES  |
|-------|-------------------------------|------------|--|
| 2-T-N | 3 5/8" 20 GA STUDS @ 16" O.C. | NONE       | TERMINATE 6" ABOVE CEILING. PROVIDE 45 DEGREE METAL STUD BRACING AT 48" O.C. FROM STUD WALL TO STRUCTURE ABOVE. SEE PLAN FOR WALL SHEATHING. |
| 3-F-N | 3 5/8" 20 GA STUDS @ 16" O.C. | NONE       | FULL HT. WALL. SEE PLAN FOR WALL SHEATHING.  |
| 3-P-N | 3 5/8" 16 GA STUDS @ 16" O.C. | NONE       | PARTIAL HT. WALL W/ RCKW RIGID CONNECTORS AT FLOOR. SEE ELEVATIONS FOR WALL HT. SEE PLAN FOR WALL SHEATHING.                                 |
| 3-T-N | 3 5/8" 20 GA STUDS @ 16" O.C. | NONE       | TERMINATE 6" ABOVE CEILING. PROVIDE 45 DEGREE METAL STUD BRACING AT 48" O.C. FROM STUD WALL TO STRUCTURE ABOVE. SEE PLAN FOR WALL SHEATHING. |
| 4-F-N | 6" 20 GA STUDS @ 16" O.C.     | NONE       | FULL HT. WALL. SEE PLAN FOR WALL SHEATHING.  |
| 4-T-N | 6" 20 GA STUDS @ 16" O.C.     | NONE       | TERMINATE 6" ABOVE CEILING. PROVIDE 45 DEGREE METAL STUD BRACING AT 48" O.C. FROM STUD WALL TO STRUCTURE ABOVE. SEE PLAN FOR WALL SHEATHING. |

**WALL BLOCKING KEY**

| SYMBOL | ITEM   | WEIGHT  | HEIGHT A.F.F.  | APPROX. WIDTH   |  |
|--------|--|---|--|---|--|
| A      | WORKROOM HAND SINK   | 128 LBS (58 KG)   | 36" TO 40" (915MM TO 1015MM)   | 30" (760MM) BEHIND SINK                                   |  |
| B      | UPPER WIRE SHELVES   | BLOCKING SPECIFICATION TO BE PROVIDED BY VENDOR   |  |   |  |
| C      | SHELVES AT MANAGER'S DESK  | 300 LBS (136 KG)  | 32" TO 96" (810MM TO 2440MM)   | 48" (1220MM) 3/4" (19MM) ACX PLYWOOD, CENTERED ON SHELVES |  |
| D      | EQUIPMENT RACK AT MANAGER'S DESK   | 300 LBS (136 KG)  | 44" TO 96" (1120MM TO 2440MM)  | 28" (710MM) 3/4" (19MM) ACX PLYWOOD, CENTERED ON RACK     |  |
| E      | METRO SHELVES  | BLOCKING SPECIFICATION TO BE PROVIDED BY VENDOR. IN-WALL BLOCKING PREFERRED, HOWEVER EXISTING FRP FINISHED WALL MAY RECEIVE SURFACE MOUNTED, PAINTED WHITE. |  |   |  |
| F      | RESTROOM GRAB BARS   | 200 LBS (91 KG)   | 30" TO 36" (760MM TO 915MM)  | 60" (1525MM) AROUND WATER CLOSET                          |  |
| G      | RESTROOM HAND SINK   | 200 LBS (91 KG)   | COMMERCIAL INSTALLATION REQUIRES CONCEALED ARM CARRIER. REFER TO MFR'S SPECIFICATION.  |   |  |
| H      | MILLWORK BOXES   | BLOCKING SPECIFICATION FOR FRENCH CLEATING SYSTEM. REFER TO DETAILS.  |  |   |  |
| I      | DIAPER CHANGING STATION  | 250 LBS (113 KG)  | 40 1/2" TO 46 1/2" (1030MM TO 1180MM)  | 32" (810MM) BEHIND STATION                                |  |
| J      | UPPER CBE SHELVING   | BLOCKING SPECIFICATION FOR CBE METAL SHELVES. REFER TO VENDOR'S SPECIFICATION AND DETAILS.  |  |   |  |
| K      | WATER FILTRATION SYSTEM  | TBD BY VENDOR   | COORDINATE LOCATION AND EXTENT WITH PENTAIR  |   |  |
| L      | DIGITAL MENU BOARDS  | TBD BY VENDOR   | GC TO PROVIDE WALL BLOCKING AS REQUIRED FOR ALL ITEMS FOR A COMPLETE AND SECURE INSTALLATION. EXTEND BLOCKING 6" (153MM) BEYOND ON EACH SIDE OF EACH ITEM. |   |  |
|        | ALL ARTWORK, FIXTURES, ACCESSORIES AND CASEWORK FABRICATIONS NOT OTHERWISE NOTED   | TBD BY VENDOR (VARIES)  | GC TO PROVIDE WALL BLOCKING AS REQUIRED FOR ALL ITEMS FOR A COMPLETE AND SECURE INSTALLATION. EXTEND BLOCKING 8" (205MM) BEYOND ON EACH SIDE OF EACH ITEM. |   |  |
|        | PROVIDE 3/4" BLOCKING TO 34" A.F.F. FOR ALL WALL BRACKETS TO SUPPORT CASEWORK LEG. |   |  |   |  |

**WALL SHEATHING KEY**

| SYMBOL | DESCRIPTION  |
|--------|--|
| ▲      | INDICATES SHEATHING TRANSITION   |
| (A)    | 5/8" GYP. WALL BOARD (FULL WALL HEIGHT)  |
| (C)    | 5/8" CEMENTITIOUS BACKER BOARD (TERMINATE AT FINISH TRANSITION AS SHOWN ON INTERIOR ELEVATION W/ 5/8" GYP. WALL BOARD ABOVE (FULL WALL HEIGHT)). |
| (D)    | 5/8" PLYWOOD (TERMINATE AT 6" (150MM) ABOVE CEILING)   |
| (E)    | (1) LAYER OF TYPE 'X' WATER RESISTANT GYP. BD.   |

**KEYED NOTES**

1. INSTALL NEW 4" THICK CONCRETE SLAB ON 15 MIL VAPOR RETARDER ON SUB-BASE PREPARED BY LANDLORD. LANDLORD IS RESPONSIBLE FOR THE DESIGN AND PERFORMANCE OF THE SUB-BASE. REINFORCE SLAB WITH WWW 6"X6" W2.9XW2.9 AT MID DEPTH OF SLAB
2. OUTLINE OF BAR PER CASEWORK MANUFACTURER.
3. ELECTRICAL PANEL LOCATIONS. MAINTAIN MINIMUM CLEARANCE AS REQUIRED BY CODE.
4. ALIGN FACE OF FINISHED WALL.
5. OUTLINE OF SOFFIT ABOVE.
6. FURRED OUT INTERIOR FACE OF WALL.
7. EXISTING 1 HR RATED DEMISING WALL.

**GENERAL NOTES**

- A. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY STARBUCKS CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ALL DIMENSIONS TO BE TAKEN FROM DESIGNATED DATUM POINT.
- B. GENERAL CONTRACTOR TO PROVIDE FIRE TREATED WOOD STUD BLOCKING, OR EQUIVALENT TO SUPPORT ANY WALL ATTACHMENT AND/OR SIGNAGE.
- C. IF EXISTING EXTERIOR ENTRANCE THRESHOLD EXCEEDS MINIMUM BARRIER FREE PROVISION OF THE CODE, REMOVE AND REPLACE WITH ACCESSIBLE THRESHOLD. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS TO BE EVELOPED WITH A SLOPE NO GREATER THAN 1:12.
- D. ALL DIMENSIONS ARE TO FINISHED FACE UNLESS SHOWN OR NOTED OTHERWISE.
- E. INSTALL MOISTURE RESISTANT GREEN BOARD ON BACKBAR WALL PER PROJECT MANUAL.
- F. ALL DOORS SHALL BE 32" (815MM) MINIMUM CLEAR OPENING WHEN OPENED TO 90 DEGREE POSITION UNLESS OTHERWISE NOTED.
- G. SEE SHEET A601 FOR EXTERIOR DOOR AND WINDOW SCHEDULES.
- H. STARBUCKS VENDOR TO PROVIDE DOOR HARDWARE COMPONENTS AND GC TO INSTALL.
- I. VERIFY ALL EXISTING DOORS, HARDWARE AND FRAMES MEET STARBUCKS AND/OR CODE REQUIREMENTS.
- J. PROVIDE FIRE EXTINGUISHERS AS NOTED ON THE APPROVED PLANS FROM THE CITY.
- K. SEE STRUCTURAL FOR KNEE WALL BRACING.
- L. SEE SHEET A501 FOR BUILDING DETAILS.
- M. REFER TO SHEET I104 FOR FLOOR FINISHES.

**GENERAL LEGEND**

- NEW FULL HEIGHT WALL
- NEW PARTIAL HEIGHT WALL
- EXISTING WALL
- WALL BLOCKING CALL-OUT
- WALL SHEATHING CALL-OUT

**PROJECT NAME:** RANDALL AND ACKMAN

**PROJECT ADDRESS:** RANDALL RD & ACKMAN RD CRYSTAL LAKE, IL 60014

**STORE #:** 70143  
**PROJECT #:** 95175-002  
**ISSUE DATE:** 1/19/24 PERMIT SET  
**DESIGN MANAGER:** CAMILLA WATSON  
**PRODUCTION DESIGNER:** JO  
**CHECKED BY:** GPD GROUP

**Revision Schedule**

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |

**SHEET TITLE:** BUILDING FLOOR PLAN

**SCALE:** AS SHOWN

**SHEET NUMBER:** A101

**Image:** Starbucks logo

**Text:** © 2018 STARBUCKS COFFEE COMPANY

**Text:** STARBUCKS® 2401 UTAH AVENUE SOUTH SEATTLE, WASHINGTON 98134 (206) 318-1575

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**Text:** STARBUCKS TEMPLATE VERSION I2023.04.24

**Text:** GPD GROUP, INC. LIC. # - 184-007100

**Text:** 520 South Main Street, Suite 2351 Akron, OH 44351  
330.572.2100 Fax 330.572.2101

**Text:** GPD PROJECT NUMBER: 95175-002

**Text:** GPD PROJECT NUMBER: 95175-002

**Text:** AARON M. RODEBAUGH 001-022424

**Text:** STATE OF ILLINOIS

**Text:** signature

**Text:** 01/19/2024 date

**Text:** expires 11-30-2024

**Text:** 1/19/2024 11:43:21 AM

**Text:** 1 FLOOR PLAN

**Text:** Scale: 1/4" = 1'-0"

**Text:** 0 2' 4' 8'

**Text:** N

**Text:** Scale: 1/4" = 1'-0"



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STARBUCKS TEMPLATE VERSION I2023.04.24

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GPD PROJECT NUMBER: 0023262.13

AARON M. RODEBAUGH  
001-022424  
*signature*  
01/19/2024  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

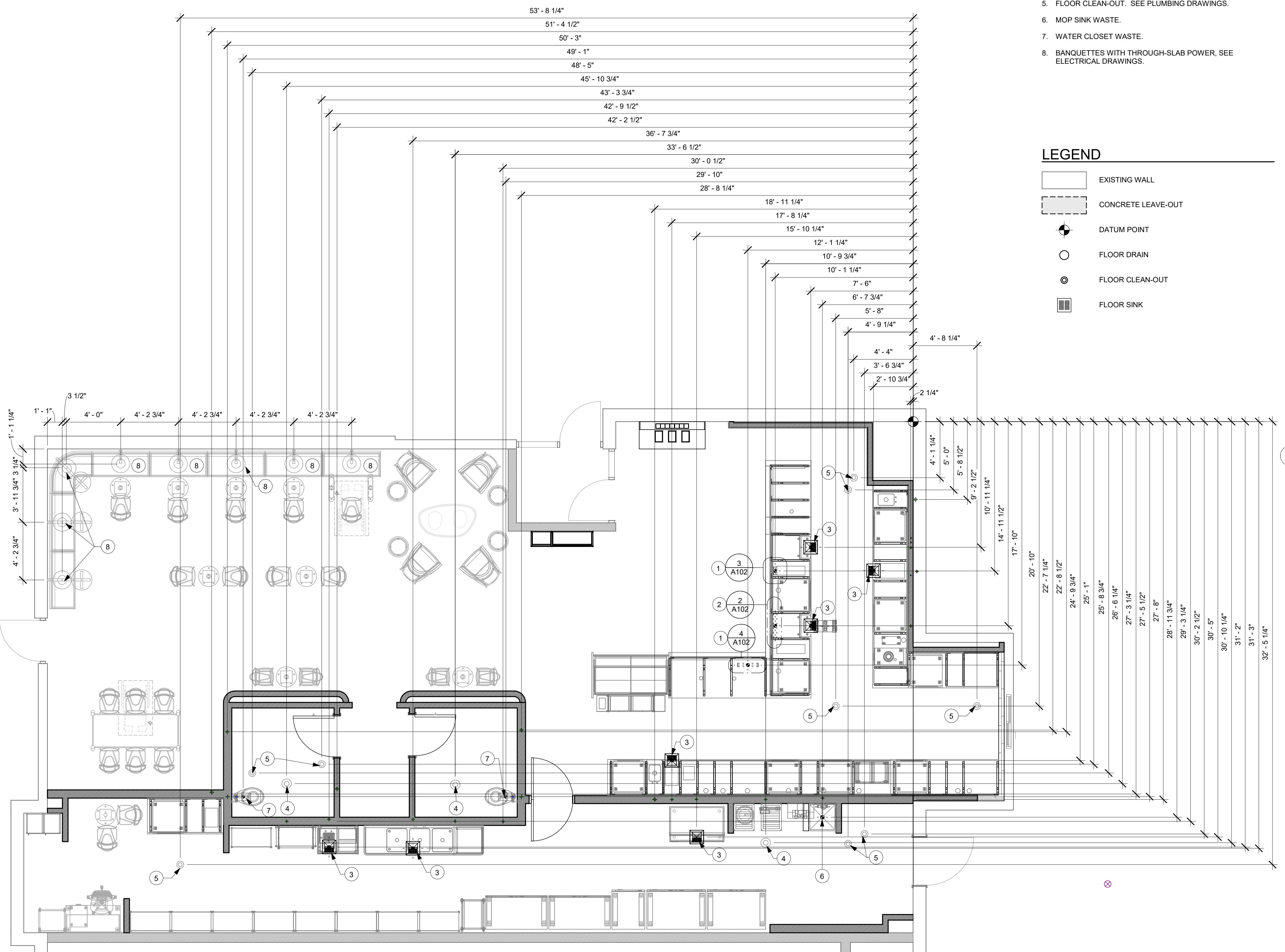
STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**BUILDING FLOOR PENETRATION PLAN**  
SCALE: AS SHOWN

SHEET NUMBER:  
**A102**



**1 FLOOR PENETRATION PLAN**

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

### KEYED NOTES

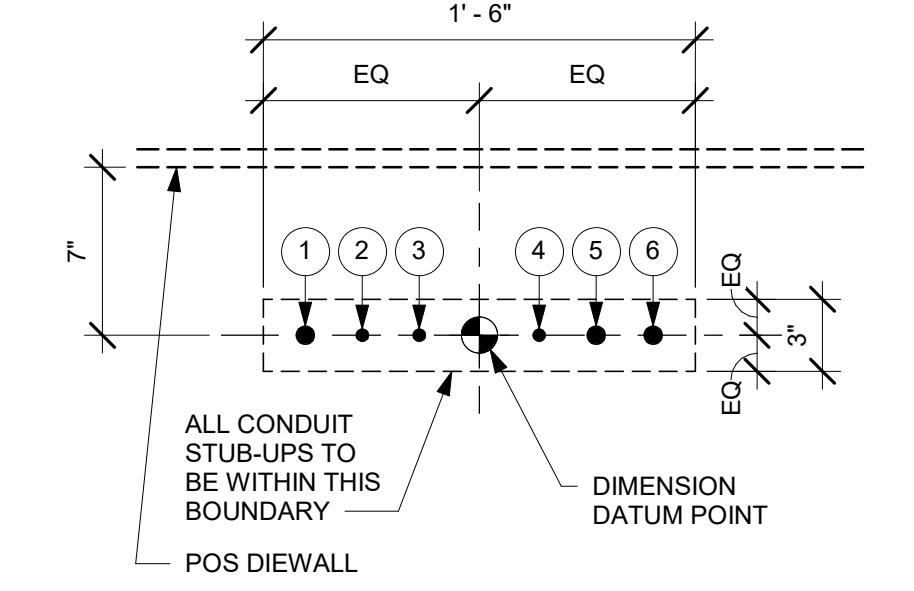
1. ELECTRICAL STUB-UP LOCATION. SEE ELECTRICAL DRAWINGS.
2. PLUMBING STUB-UP LOCATION. SEE PLUMBING DRAWINGS.
3. FLOOR SINK LOCATION. SEE PLUMBING DRAWINGS.
4. FLOOR DRAIN LOCATION. SEE PLUMBING DRAWINGS.
5. FLOOR CLEAN-OUT. SEE PLUMBING DRAWINGS.
6. MOP SINK WASTE.
7. WATER CLOSET WASTE.
8. BANQUETTES WITH THROUGH-SLAB POWER, SEE ELECTRICAL DRAWINGS.

### GENERAL NOTES

- A. ALL STUB-UP DIMENSIONS ARE RELATIVE TO FINISHED WALL LOCATIONS (SHOWN AS OUTLINES ON THIS PLAN). REFER TO FLOOR PLAN FOR WALL PLACEMENT.
- B. FLOOR SINK: REFER TO CUT SHEETS FOR COMPONENT SPECIFICATIONS AND CUTOUT REQUIREMENTS.
- C. WASTE LINE PENETRATIONS: REFER TO PLUMBING PLANS FOR INDIVIDUAL LINE LOCATIONS.
- D. STUB-UP PENETRATIONS: REFER TO ELECTRICAL AND PLUMBING PLANS FOR INDIVIDUAL STUB-UP LOCATIONS.
- E. TOILET FLOOR PENETRATION: REFER TO CUT SHEETS FOR STUB-UP LOCATION RELATIVE TO FINISHED WALL.
- F. PENETRATION TO BE LOCATED ON CENTERLINE OF WALL OR AS REQUIRED PER CONDITIONS.
- G. TRENCHING OUTLINE FOR GUIDELINE USE ONLY. GENERAL CONTRACTOR TO COORDINATE WITH SPECIFIC TRADES AND SITE CONDITIONS TO DETERMINE ACTUAL LAYOUT.
- H. REFER TO SHEET I101 FOR FLOOR FINISHES.

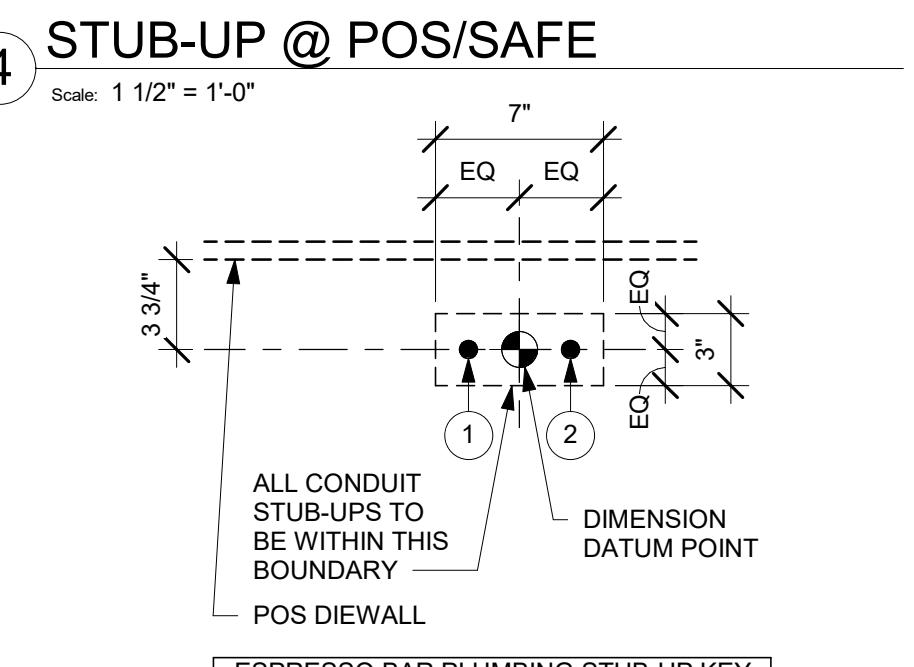
### LEGEND

|  |                    |
|--|--------------------|
|  | EXISTING WALL      |
|  | CONCRETE LEAVE-OUT |
|  | DATUM POINT        |
|  | FLOOR DRAIN        |
|  | FLOOR CLEAN-OUT    |
|  | FLOOR SINK         |



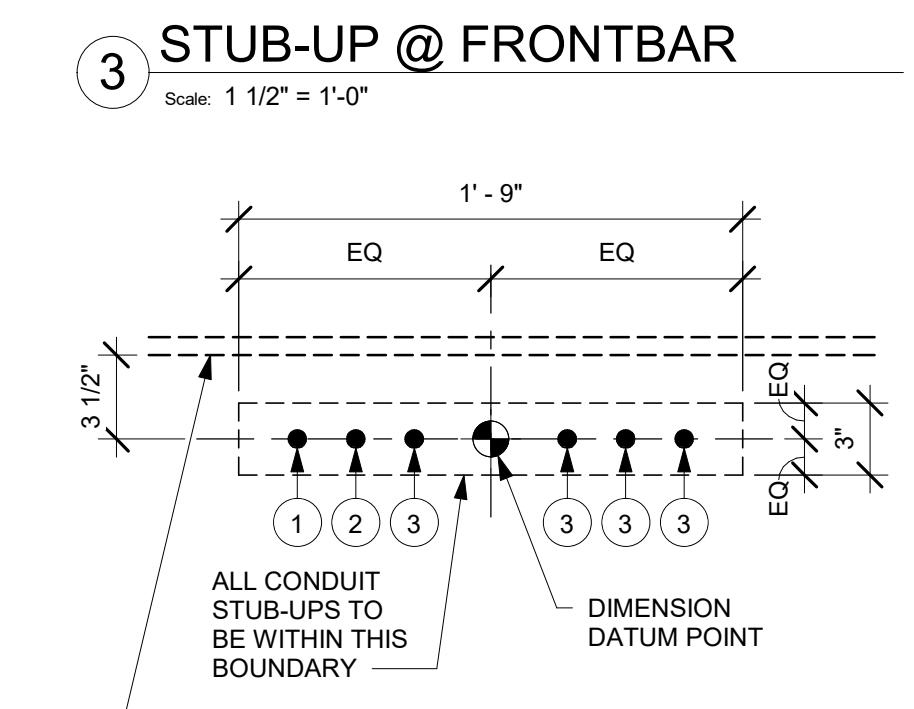
|                            |  |
|----------------------------|--|
| POS ELECTRICAL STUB-UP KEY |  |
| 1                          | 3/4" POWER CONDUIT TO ELECTRICAL PANEL |
| 2                          | 1/2" PHONE TO MANAGER'S DESK           |
| 3                          | 1/2" DATA CONDUIT TO MANAGER'S DESK    |
| 4                          | 1/2" SECURITY TO MANAGER'S DESK        |
| 5                          | 3/4" LAN CONDUIT TO POS/SAFE           |
| 6                          | 3/4" POWER CONDUIT FOR PASTRY CASE     |

NOTE: SEE SHEET A102 - BUILDING FLOOR PENETRATION PLAN FOR FINAL DIMENSIONED LOCATION.



|                                   |             |
|-----------------------------------|-------------|
| ESPRESSO BAR PLUMBING STUB-UP KEY |             |
| 1                                 | CWF STUB-UP |
| 2                                 | CW STUB-UP  |

NOTE: SEE SHEET A102 - BUILDING FLOOR PENETRATION PLAN FOR FINAL DIMENSIONED LOCATION.



|                                     |   |
|-------------------------------------|---|
| ESPRESSO BAR ELECTRICAL STUB-UP KEY |   |
| 1                                   | 3/4" LAN CONDUIT                          |
| 2                                   | 3/4" LAN CONDUIT TO MANAGER'S WORKSTATION |
| 3                                   | 3/4" ISOLATED GROUND CONDUIT              |

NOTE: SEE SHEET A102 - BUILDING FLOOR PENETRATION PLAN FOR FINAL DIMENSIONED LOCATION.



0 2' 4' 8'

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

N

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

2

STUB-UP @ FRONTBAR





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STARBUCKS TEMPLATE VERSION i2023.04.24



LIC. # 184-007100

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Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: ARCH/2023262.13



AARON M. RODEBAUGH  
001-022424

03/07/24

date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |        |    |             |
|-------------------|--------|----|-------------|
| Rev               | Date   | By | Description |
| 1                 | 3/7/24 |    | Revision 1  |
|                   |        |    |             |
|                   |        |    |             |
|                   |        |    |             |
|                   |        |    |             |

SHEET TITLE:  
**BUILDING EXTERIOR ELEVATIONS**

SCALE: AS SHOWN

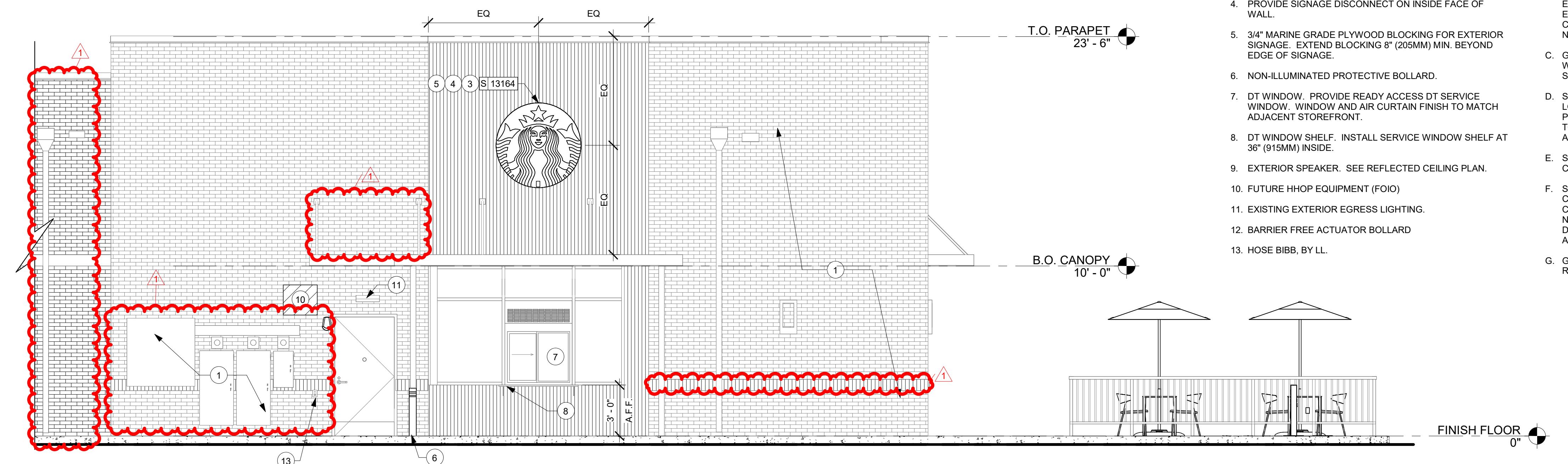
SHEET NUMBER:  
**A201**

### KEYED NOTES

1. EXISTING TO REMAIN (ETR).
2. PROVIDE 3" (75MM) HIGH BLACK ACRYLIC STORE ADDRESS ON GLAZING OR PER LOCAL JURISDICTIONAL CODE REQUIREMENTS.
3. PROVIDE J-BOX FOR BUILDING SIGNAGE. COORDINATE LOCATION WITH SIGNAGE VENDOR SHOP DRAWINGS.
4. PROVIDE SIGNAGE DISCONNECT ON INSIDE FACE OF WALL.
5. 3/4" MARINE GRADE PLYWOOD BLOCKING FOR EXTERIOR SIGNAGE. EXTEND BLOCKING 8" (205MM) MIN. BEYOND EDGE OF SIGNAGE.
6. NON-ILLUMINATED PROTECTIVE BOLLARD.
7. DT WINDOW. PROVIDE READY ACCESS DT SERVICE WINDOW. WINDOW AND AIR CURTAIN FINISH TO MATCH ADJACENT STOREFRONT.
8. DT WINDOW SHELF. INSTALL SERVICE WINDOW SHELF AT 36" (915MM) INSIDE.
9. EXTERIOR SPEAKER. SEE REFLECTED CEILING PLAN.
10. FUTURE HHOP EQUIPMENT (FOIO)
11. EXISTING EXTERIOR EGGS LIGHTING.
12. BARRIER FREE ACTUATOR BOLLARD
13. HOSE BIBB, BY LL.

### GENERAL NOTES

- A. GENERAL CONTRACTOR TO COORDINATE AND SCHEDULE SIGNAGE INSTALLATION WITH THE SIGNAGE CONTRACTOR PROVIDING A MINIMUM SCHEDULING NOTICE OF 4 WEEKS AND 1 WEEK PRIOR TO SCHEDULED DATE OF INSTALLATION. CONSTRUCTION MANAGER TO PROVIDE GENERAL CONTRACTOR WITH SIGNAGE CONTRACTOR CONTACT INFORMATION.
- B. GENERAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ELECTRICAL CIRCUITS INCLUDING ALL CONDUIT, WIRE, CONNECTIONS AND BREAKER AT PANEL BOARD NECESSARY TO SERVE SIGNAGE.
- C. GENERAL CONTRACTOR TO PROVIDE FIRE TREATED WOOD STUD BLOCKING OR EQUIVALENT TO SUPPORT SIGNAGE.
- D. SIGNAGE CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ANY AND ALL ALLOWABLE MONUMENT OR POLE SIGNAGE AND PROVIDE SHOP DRAWING(S) PRIOR TO FABRICATION TO THE STARBUCKS DESIGNER FOR APPROVAL.
- E. SIGNAGE CONTRACTOR TO INSTALL SIGNAGE IN COMPLIANCE WITH LOCAL CODES AND OBTAIN PERMIT.
- F. SIGNAGE CONTRACTOR TO SUPPLY SHOP DRAWINGS TO CONSTRUCTION MANAGER AND TO THE GENERAL CONTRACTOR AS NEEDED. GENERAL CONTRACTOR TO NOTIFY CONSTRUCTION MANAGER IMMEDIATELY IF SHOP DRAWINGS OR INSTALLATION IS IN DISCREPANCY WITH ARCHITECTURAL DRAWINGS.
- G. GENERAL CONTRACTOR TO CLEAN, PATCH AND REPAIR EXTERIOR AS REQUIRED.



| SIGNAGE SCHEDULE - "S" |       |  |          |          |   |
|------------------------|-------|--|----------|----------|---|
| DESIGN ID              | COUNT | DESCRIPTION  | FURN. BY | INST. BY | COMMENTS  |
| SIGNAGE                |       |  |          |          |   |
| 23099                  | 1     | SIGN - DRIVE THRU ILLUMINATED RACEWAY GREEN - 10IN 255MM                 | SB       | GC       | GREEN LETTERS   |
| SIGNAGE - DISK         |       |  |          |          |   |
| 13164                  | 1     | SIGN - DISK SF ILLUMINATED FLUSH MOUNTED EVOLVED - 60IN 1525MM           | SB       | GC       |   |
| 22606                  | 1     | SIGN - DISK SF ILLUMINATED FLUSH MOUNTED EVOLVED - 72IN 1830MM           | SB       | GC       |   |
| SIGNAGE - DRIVE THRU   |       |  |          |          |   |
| 22544                  | 1     | SIGN - DT CLEARANCE BAR SQUARE FRAME FREESTANDING - BLACK AND DARK GREEN | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |
| 23075                  | 1     | SIGN - DIRECTIONAL EXIT ONLY ILLUM DS - NEW FOUNDATION - 36IN 915MM      | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |
| 23085                  | 1     | SIGN - DT DIRECTIONAL ARROW ILLUM DS - NEW FOUNDATION - 36IN 915MM       | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |
| SIGNAGE - OTHER        |       |  |          |          |   |
| 21297                  | 3     | SIGN - 5 MINUTE PARKING  | LL       | LL       | POST AND FOOTING PROVIDED BY AND INSTALLED BY LL.       |
| X12847                 | 1     | SIGN - MONUMENT SIGN   | LL       | LL       |   |
| SIGNAGE - WORDMARK     |       |  |          |          |   |
| X18509                 | 1     | SIGN WORDMARK STARBUCKS ON RACEWAY - 24IN 610MM                          | SB       | GC       | GREEN LETTERS   |

| SIGNAGE SCHEDULE - "S" |       |  |          |          |   |  |
|------------------------|-------|--|----------|----------|---|--|
| DESIGN ID              | COUNT | DESCRIPTION  | FURN. BY | INST. BY | COMMENTS  |  |
| SIGNAGE                |       |  |          |          |   |  |
| 23099                  | 1     | SIGN - DRIVE THRU ILLUMINATED RACEWAY GREEN - 10IN 255MM                 | SB       | GC       | GREEN LETTERS   |  |
| SIGNAGE - DISK         |       |  |          |          |   |  |
| 13164                  | 1     | SIGN - DISK SF ILLUMINATED FLUSH MOUNTED EVOLVED - 60IN 1525MM           | SB       | GC       |   |  |
| 22606                  | 1     | SIGN - DISK SF ILLUMINATED FLUSH MOUNTED EVOLVED - 72IN 1830MM           | SB       | GC       |   |  |
| SIGNAGE - DRIVE THRU   |       |  |          |          |   |  |
| 22544                  | 1     | SIGN - DT CLEARANCE BAR SQUARE FRAME FREESTANDING - BLACK AND DARK GREEN | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |  |
| 23075                  | 1     | SIGN - DIRECTIONAL EXI ONLY ILLUM DS - NEW FOUNDATION - 36IN 915MM       | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |  |
| 23085                  | 1     | SIGN - DT DIRECTIONAL ARROW ILLUM DS - NEW FOUNDATION - 36IN 915MM       | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS. |  |
| SIGNAGE - OTHER        |       |  |          |          |   |  |
| 21297                  | 3     | SIGN - 5 MINUTE PARKING  | LL       | LL       | POST AND FOOTING PROVIDED BY AND INSTALLED BY LL.       |  |
| X12847                 | 1     | SIGN - MONUMENT SIGN   | LL       | LL       |   |  |
| SIGNAGE - WORDMARK     |       |  |          |          |   |  |
| X18509                 | 1     | SIGN - WORDMARK STARBUCKS ON RACEWAY - 24IN 610MM                        | SB       | GC       | GREEN LETTERS   |  |

**KEYED NOTES**

1. EXISTING TO REMAIN (ETR).
2. PROVIDE 3" (75MM) HIGH BLACK ACRYLIC STORE ADDRESS ON GLAZING OR PER LOCAL JURISDICTIONAL CODE REQUIREMENTS.
3. PROVIDE J-BOX FOR BUILDING SIGNAGE. COORDINATE LOCATION WITH SIGNAGE VENDOR SHOP DRAWINGS.
4. PROVIDE SIGNAGE DISCONNECT ON INSIDE FACE OF WALL.
5. 3/4" MARINE GRADE PLYWOOD BLOCKING FOR EXTERIOR SIGNAGE. EXTEND BLOCKING 8" (205MM) MIN. BEYOND EDGE OF SIGNAGE.
6. BARRIER FREE ACTUATOR BOLLARD.
7. EXTERIOR SPEAKER. SEE REFLECTED CEILING PLAN AND BUILDING CANOPY DETAILS.

**GENERAL NOTES**

- A. GENERAL CONTRACTOR TO COORDINATE AND SCHEDULE SIGNAGE INSTALLATION WITH THE SIGNAGE CONTRACTOR PROVIDING A MINIMUM SCHEDULING NOTICE OF 4 WEEKS AND 1 WEEK PRIOR TO SCHEDULED DATE OF INSTALLATION. CONSTRUCTION MANAGER TO PROVIDE GENERAL CONTRACTOR WITH SIGNAGE CONTRACTOR CONTACT INFORMATION.
- B. GENERAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ELECTRICAL CIRCUITS INCLUDING ALL CONDUIT, WIRE, CONNECTIONS AND BREAKER AT PANEL BOARD NECESSARY TO SERVE SIGNAGE.
- C. GENERAL CONTRACTOR TO PROVIDE FIRE TREATED WOOD STUD BLOCKING OR EQUIVALENT TO SUPPORT SIGNAGE.
- D. SIGNAGE CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ANY AND ALL ALLOWABLE MONUMENT OR POLE SIGNAGE AND PROVIDE SHOP DRAWING(S) PRIOR TO FABRICATION TO THE STARBUCKS DESIGNER FOR APPROVAL.
- E. SIGNAGE CONTRACTOR TO INSTALL SIGNAGE IN COMPLIANCE WITH LOCAL CODES AND OBTAIN PERMIT.
- F. SIGNAGE CONTRACTOR TO SUPPLY SHOP DRAWINGS TO CONSTRUCTION MANAGER AND TO THE GENERAL CONTRACTOR AS NEEDED. GENERAL CONTRACTOR TO NOTIFY CONSTRUCTION MANAGER IMMEDIATELY IF SHOP DRAWINGS OR INSTALLATION IS IN DISCREPANCY WITH ARCHITECTURAL DRAWINGS.
- G. GENERAL CONTRACTOR TO CLEAN, PATCH AND REPAIR EXISTING EXTERIOR AS REQUIRED.

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GPD GROUP, INC.<sup>®</sup>  
LIC. # - 184-007100

520 South Main Street, Suite 2331  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: ARC/2023262.13

LOCATED AT: RANDALL RD & ACKMAN RD, CRYSTAL LAKE, IL 60014

AARON M. RODEBAUGH  
001-022424

signature

03/07/24  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002

ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

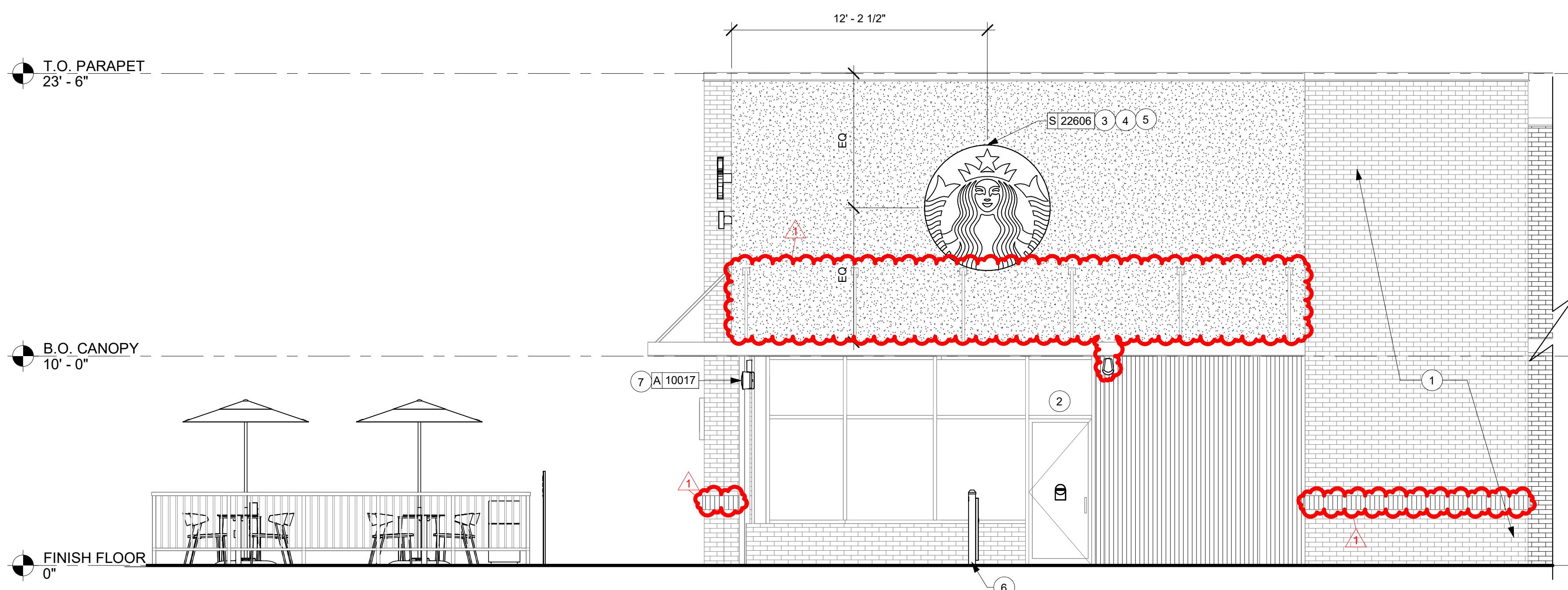
Revision Schedule

| Rev | Date   | By | Description |
|-----|--------|----|-------------|
| 1   | 3/7/24 |    | Revision 1  |
|     |        |    |             |
|     |        |    |             |
|     |        |    |             |
|     |        |    |             |

SHEET TITLE:  
**BUILDING EXTERIOR ELEVATIONS**

SCALE: AS SHOWN

SHEET NUMBER:  
**A202**



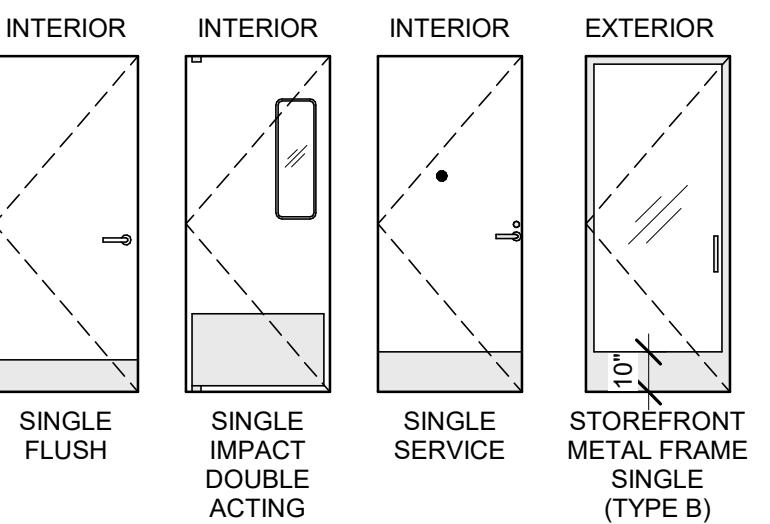
**1** SOUTHWEST ELEVATION

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

3/7/2024 10:02:52 AM

| DOOR SCHEDULE - "D" |      |   |         |         |              |         |         |  |  |  |
|---------------------|------|---|---------|---------|--------------|---------|---------|--|--|--|
| DESIGN ID           | MARK | DESCRIPTION                                     | WIDTH   | HEIGHT  | HARDWARE SET | FURN BY | INST BY | COMMENTS   |  |  |
| Exterior            |      |   |         |         |              |         |         |  |  |  |
| 10205               | 1    | DOOR - STOREFRONT METAL FRAME SINGLE - TYPE B   | 3' - 0" | 7' - 0" | 1-BRFR       | LL      | LL      |  |  |  |
| 10205               | 2    | DOOR - STOREFRONT METAL FRAME SINGLE - TYPE B   | 3' - 0" | 7' - 0" | 1-A          | LL      | LL      |  |  |  |
| 10205               | 3    | DOOR - STOREFRONT METAL FRAME SINGLE - TYPE B   | 3' - 0" | 7' - 0" | 1            | LL      | LL      |  |  |  |
| 21147               | 4    | DOOR - SINGLE SERVICE-42IN 1070MM               | 3' - 6" | 7' - 0" | 42           | LL      | LL      |  |  |  |
| 4                   |      |   |         |         |              |         |         |  |  |  |
| Interior            |      |   |         |         |              |         |         |  |  |  |
| 10086               | 5    | DOOR - SINGLE IMPACT DOUBLE ACTING - 36IN 915MM | 3' - 0" | 7' - 0" | 11           | SB      | GC      | WORKROOM DOOR, DOOR FINISH: FOG FORMICA - #961.                                  |  |  |
| 10190               | 6    | DOOR - SINGLE FLUSH - 36IN                      | 3' - 0" | 7' - 0" | 6            | SB      | GC      | DOOR MATERIAL - WD0073 WHITE OAK. DOOR FRAME TO BE PAINTED SW7048 URBANE BRONZE. |  |  |
| 10190               | 7    | DOOR - SINGLE FLUSH - 36IN                      | 3' - 0" | 7' - 0" | 6            | SB      | GC      | DOOR MATERIAL - WD0073 WHITE OAK. DOOR FRAME TO BE PAINTED SW7048 URBANE BRONZE. |  |  |
| 3                   |      |   |         |         |              |         |         |  |  |  |

## DOOR LEGEND



| BARRIER FREE DOOR HARDWARE SCHEDULE - "D" |       |      |   |         |         |
|---|-------|------|---|---------|---------|
| DESIGN ID                                 | COUNT | MARK | DESCRIPTION                                   | FURN BY | INST BY |
| 23130                                     | 1     | 8    | DOOR - BARRIER FREE HARDWARE ACTUATOR BOLLARD | SB      | GC      |
| 23129                                     | 1     | 9    | DOOR - BARRIER FREE HARDWARE KEY SWITCH       | SB      | GC      |
| 23135                                     | 1     | 10   | DOOR - BARRIER FREE HARDWARE OPERATOR - BLACK | SB      | GC      |

| DOOR HARDWARE SET NO. 1 - For use with existing single aluminum storefront entry/exit door |                  |  |              |        |
|--|------------------|--|--------------|--------|
| No.  | Item             | Description  | Manufacturer | Finish |
| 1  | Securing Devices | MS 1851S Deadbolt  | Adams Rite   | 628    |
| 1  | Sign             | Vinyl Sign: "THIS DOOR MUST REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" | Seton        | 626    |
| 2  | Securing Devices | C607 7-Pin Core Combined "A" Keyway                                    | Falcon Lock  | 626    |
| 1  | Securing Devices | KB609-2 Cut Control Key "A" Keyway                                     | Falcon Lock  | ---    |
| 9  | Securing Devices | KB632-2 Cut User Key "A" Keyway  | Falcon Lock  | ---    |
| 2  | Securing Devices | C987 7-Pin Mortise Cylinder Housing w/AR CAM 26D                       | Falcon Lock  | 626    |
| 2  | Securing Devices | A08794-003 Adjustable Ring, Mortise Cyl. 5/16-13/32                    | Falcon Lock  | 626    |

| DOOR HARDWARE SET NO. 6 - For restroom door with lever and privacy lock |                       |  |               |        |
|---|-----------------------|--|---------------|--------|
| No.   | Item                  | Description  | Manufacturer  | Finish |
| 3   | Hanging Items         | TA2714/MPB79 Hinge MacPro Bearing 5 x 4.5                        | McKinney      | 626    |
| 1   | Securing Devices      | PB5425LN Lock, Shallow Coin Turn, Privacy PB5425LN-693-497 1-3/4 | Yale Lock     | 626    |
| 1   | Closing Devices       | 8916 Door Closer 8916 AF89P                                      | Dorma         | 689    |
| 2   | Protective Trim Units | K1050 B4E Kickplate 8" x 34" Each Side 32D                       | Rockwood      | 630    |
| 3   | Accessories           | GJ64 Rubber Silencer   | Glynn Johnson | Gray   |
| 1   | Stops and Holders     | 473 Door Stop w/ Hook  | Rockwood      | 626    |

| DOOR HARDWARE SET NO. 1-A - For existing single aluminum storefront secondary entry/exit door (50 or more occupancy) |                  |   |              |                           |
|--|------------------|---|--------------|---------------------------|
| No.  | Item             | Description   | Manufacturer | Finish                    |
| 2  | Securing Devices | C607 7-Pin Core combined "A" Keyway                                   | Falcon Lock  | 626                       |
| 1  | Securing Devices | KB609-2 Cut Control Key "A" Keyway                                    | Falcon Lock  | n/a                       |
| 9  | Securing Devices | KB632-2 Cut User Key "A" Keyway                                       | Falcon Lock  | ---                       |
| 1  | Securing Devices | C953 7-Pin Rim Cylinder Housing                                       | Falcon Lock  | ---                       |
| 1  | Securing Devices | C987 7-Pin Mortise Cylinder Housing                                   | Falcon Lock  | 626                       |
| 1  | Securing Devices | CD35A-NL-OP Panic Device  | Von Duprin   | Match Existing Storefront |
| 1  | Operating Trim   | Offset Pull BF157   | Rockwood     | Match Existing Storefront |
| 1  | Sign             | Vinyl Sign "THIS DOOR MUST REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" | Seton        | ---                       |

| DOOR HARDWARE SET NO. 11 - For workroom door at backbar |                      |                |              |             |
|---|----------------------|----------------|--------------|-------------|
| No.   | Item                 | Description    | Manufacturer | Finish      |
| 1   | Traffic Door Package | SCP8 36" x 84" | Eliason      | As Selected |

| DOOR HARDWARE SET NO. 1-BRFR - For use with existing single aluminum storefront entry/exit door |                   |  |              |        |
|---|-------------------|--|--------------|--------|
| No.   | Item              | Description  | Manufacturer | Finish |
| 1   | Securing Devices  | MS 1851S Deadbolt  | Adams Rite   | 628    |
| 1   | Sign              | Vinyl Sign: "THIS DOOR MUST REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" | Seton        | 626    |
| 2   | Securing Devices  | C607 7-Pin Core Combined "A" Keyway                                    | Falcon Lock  | 626    |
| 1   | Securing Devices  | KB609-2 Cut Control Key "A" Keyway                                     | Falcon Lock  | ---    |
| 9   | Securing Devices  | KB632-2 Cut User Key "A" Keyway  | Falcon Lock  | ---    |
| 2   | Securing Devices  | C987 7-Pin Mortise Cylinder Housing w/AR CAM 26D                       | Falcon Lock  | 626    |
| 2   | Securing Devices  | A08794-003 Adjustable Ring, Mortise Cyl. 5/16-13/32                    | Falcon Lock  | 626    |
| 1   | Stops and Holders | 473 Door Stop w/ Hook  | Rockwood     | 626    |

REFER TO THE BARRIER-FREE EXTERIOR DOOR SCHEDULE ON THIS SHEET THAT WILL INCLUDE ADDITIONAL DOOR CONTENT FOR THIS SET

## GENERAL NOTES

- A. STARBUCKS VENDOR TO PROVIDE DOOR HARDWARE COMPONENTS. GC TO INSTALL.
- B. SEE SHEET A101 FOR TAGGED LOCATION OF EXTERIOR DOORS AND WINDOWS.
- C. EGRESS SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, CLOSETS OR SIMILAR SPACES. (1014.2)
- D. PANIC AND FIRE EXIT HARDWARE, WHERE INSTALLED ON DOORS IN THIS BUILDING SHALL SATISFY THE FOLLOWING (1008.1.10):
  - a) THE ACTUATION PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
  - b) THE MAXIMUM UNLATCHING FORCE DOES NOT EXCEED 15 POUNDS (6.8 KG).
- E. SPY SCOPE HARDWARE, WHERE INSTALLED SHALL BE CENTERED IN DOOR AT 54" (1370MM) A.F.P.
- F. FOR BARRIER FREE DOOR HARDWARE INSTALLATION AND TECHNICAL SUPPORT, CONTACT THE STARBUCKS SUPPLIER, LOCKNET, AT SBUXTEAM@LOCKNET.COM.



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STARBUCKS TEMPLATE VERSION i2023.04.24



01/19/2024  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule  
Rev Date By Description

SHEET TITLE:  
**WINDOW & DOOR SCHEDULES & DETAILS**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**A602**



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LIC. # - 184-007100

520 South Main Street, Suite 2331  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: DRAFTED ARC/12023262.13

AARON M. RODEBAUGH  
001-022424  
*signature*

01/19/2024  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

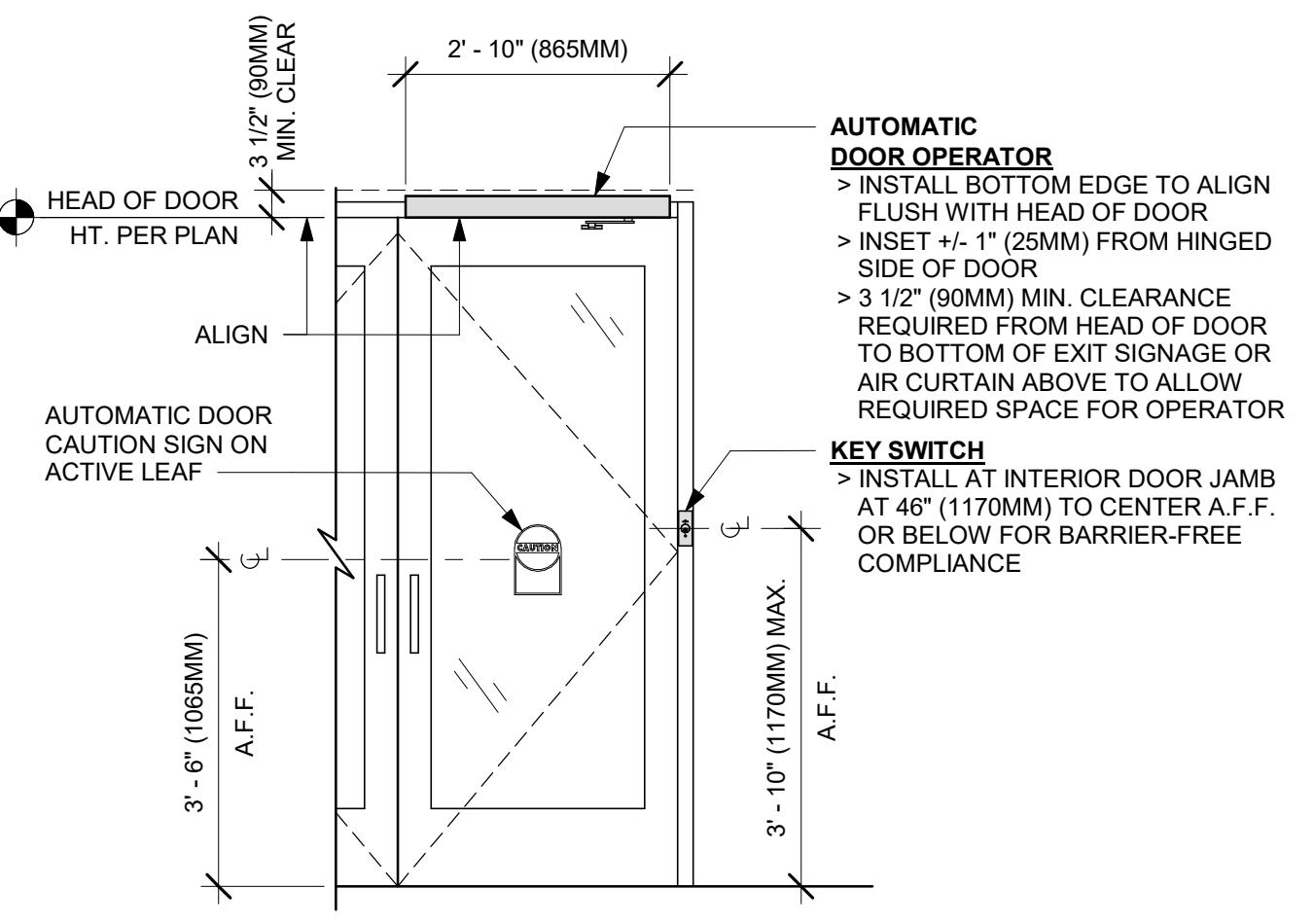
STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

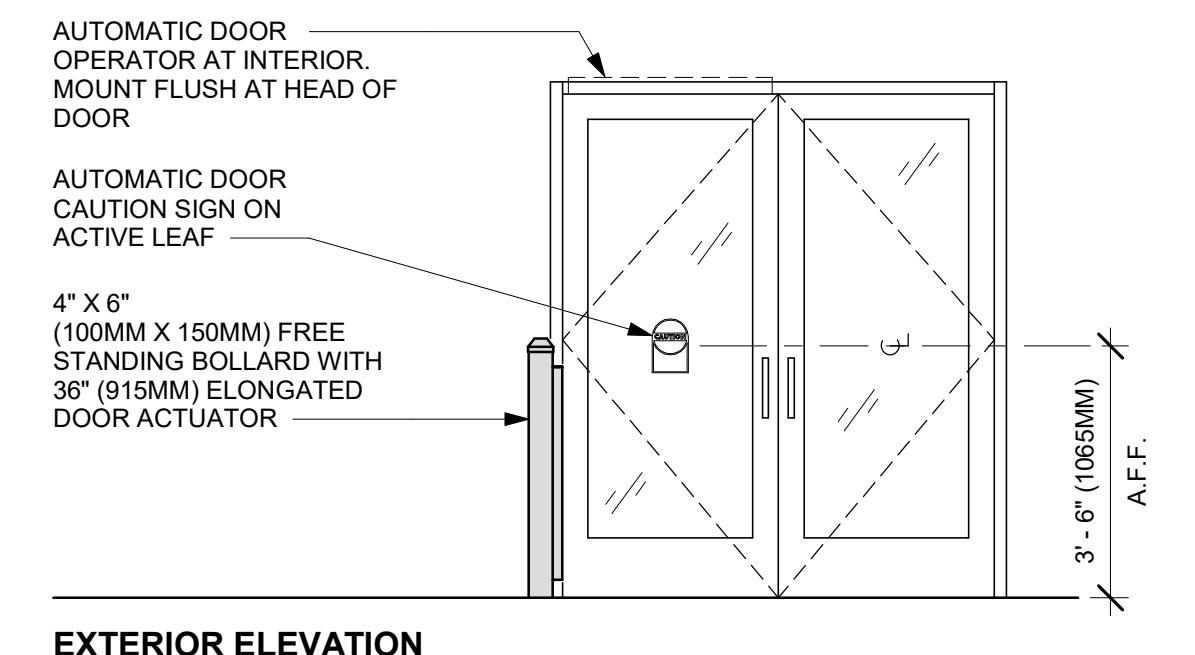
| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**BARRIER FREE DOOR  
HARDWARE**  
SCALE: AS SHOWN

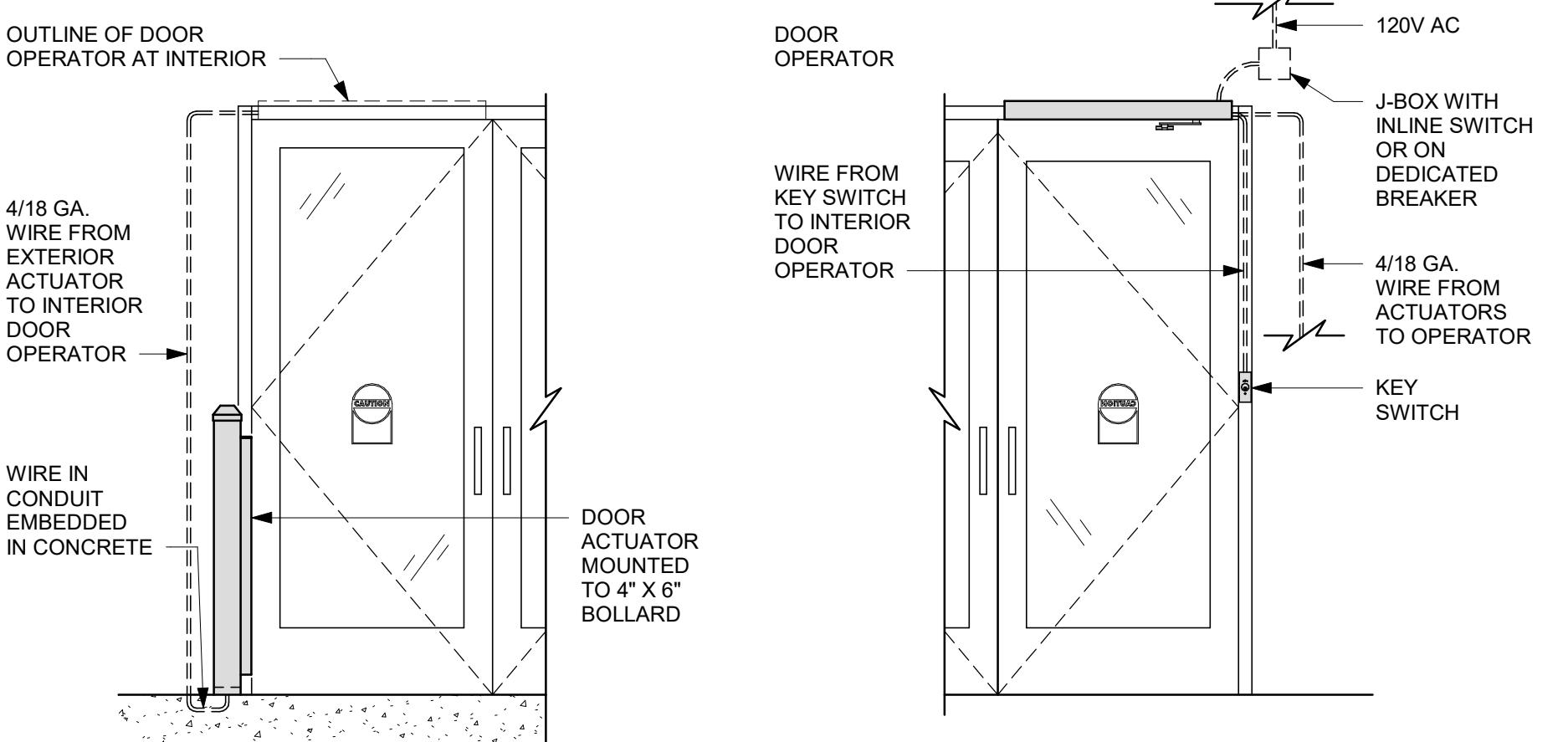
SHEET NUMBER:  
**A603**



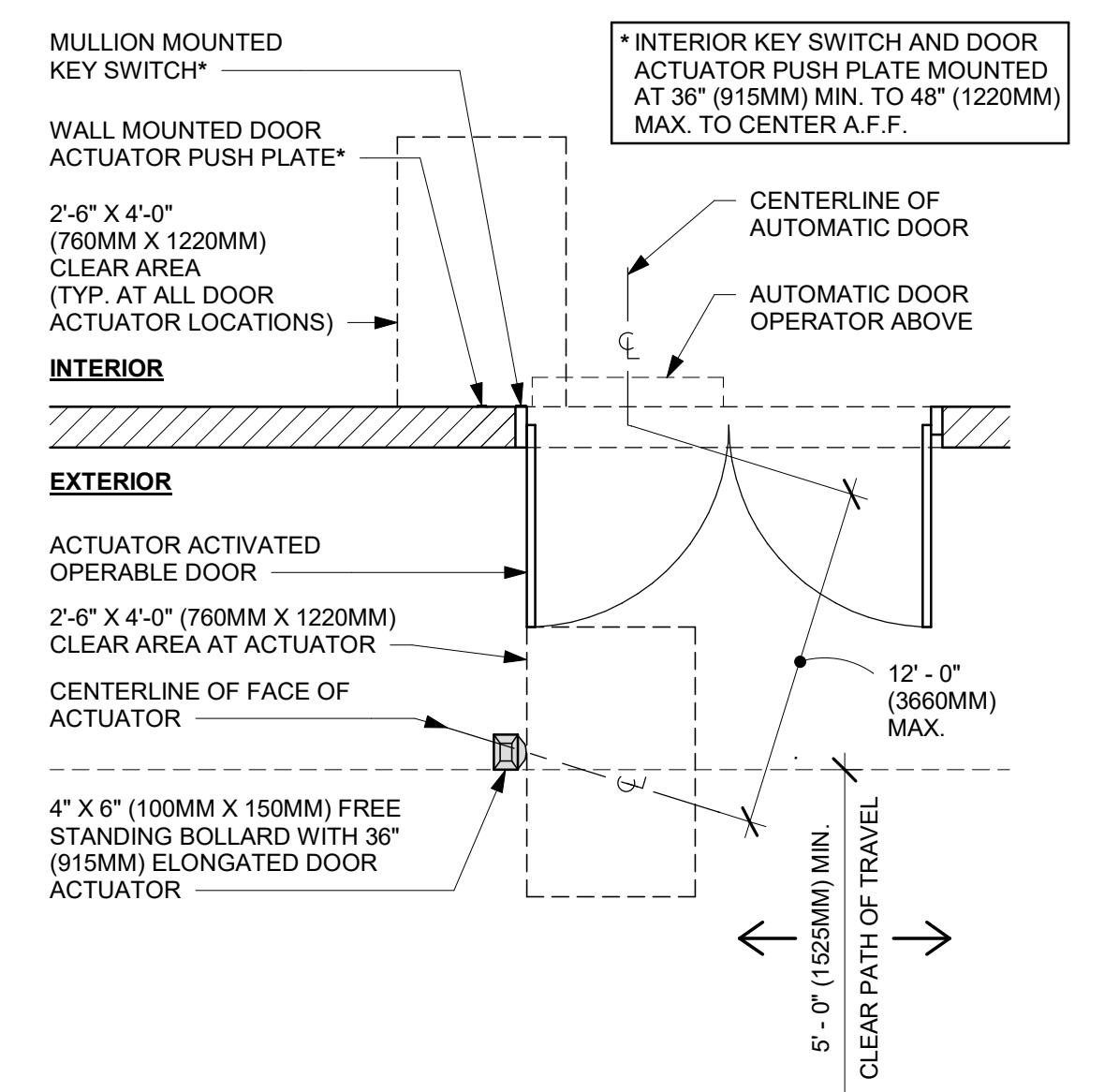
**3 ENTRY/EXIT DOOR ACTUATION - KEY SWITCH AND OPERATOR**  
Scale: 1/2" = 1'-0"



**EXTERIOR ELEVATION**



**2 ENTRY/EXIT DOOR ACTUATION - ELECTRICAL WIRING DIAGRAM**  
Scale: 1/2" = 1'-0"



**1 ENTRY/EXIT DOOR ACTUATION - BOLLARD**  
Scale: 3/8" = 1'-0"

**1 FURNITURE, FIXTURES, AND EQUIPMENT PLAN**

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

**KEYED NOTES**

1. INSTALL EXTERIOR FURNITURE THROUGHOUT AS SHOWN.
2. INSTALL CAFE FURNITURE THROUGHOUT AS SHOWN.
3. COMMUNITY TABLE. SEE FURNITURE SCHEDULE.
4. COMMUNITY BOARD. SEE INTERIOR FINISH ELEVATIONS.
5. CONDIMENT CART. SEE INTERIOR FINISH ELEVATIONS.
6. MERCHANDISE DISPLAY. SEE DETAILS X/50X FOR MORE INFORMATION. ALIGN FRONT OF MERC. BAYS WITH STOREFRONT DOOR FRAME. CENTER MERC. BAYS WITH CENTERLINE OF WALL BEHIND.
7. DO NOT BLOCK FOOD CASE INTAKE/EXHAUST.
8. SAFE LOCATED AT POS CABINET. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
9. HAND SINK W/ INTEGRAL SPLASH GUARD.
10. INSTALL CORNER GUARD AS INDICATED. SEE INTERIOR FINISH ELEVATIONS.
11. LOCATION OF SWITCH GEAR AND THERMOSTAT CONTROLS.
12. FIRE EXTINGUISHER. FINAL LOCATION AND QUANTITY PER JURISDICTIONAL REQUIREMENTS.
13. SECURE LOCKERS TO WALL.
14. VENDOR TO INSTALL WATER FILTRATION SYSTEM PER MANUFACTURER'S REQUIREMENTS. G.C. TO PROVIDE PLUMBING AND ELECTRICAL REQUIREMENTS.
15. WATER HEATER LOCATION. SEE PLUMBING DRAWINGS.
16. G.C. TO REVERSE HINGE ON U.C. REFRIGERATOR TO LEFT HAND SWING AS SHOWN.
17. MANAGERS DESK. SEE MANAGER'S DESKEQUIPMENT RACK ELECTRICAL DETAIL FOR ADDITIONAL INFORMATION.
18. CLEAR FLOOR AREA DESIGNATED FOR BACKFLOW PREVENTOR BY LL.
19. DISHWASHER, HOBART - LXeR ADVANSYS - HIGH TEMPERATURE.
20. ELECTRICAL PANELS. SEE ELECTRICAL DRAWINGS
21. WORK SINK. SEE PLUMBING DRAWINGS
22. MOP SINK. SEE PLUMBING DRAWINGS
23. THREE COMPARTMENT SINK. SEE PLUMBING DRAWINGS
24. WALL MOUNT HAND SINK WITH SOAP AND PAPER TOWEL DISPENSER. G.C. TO PROVIDE BLOCKING FOR FASTENERS.

**GENERAL NOTES**

- A. GENERAL CONTRACTOR TO SCHEDULE WITH LOCAL REFRIGERATION CONTRACTOR TO CONDUCT INITIAL FOOD CASE START-UP AND TESTING. FOR LIST OF APPROVED START UP CONTRACTORS, CONTACT PROJECT CONSTRUCTION REPRESENTATIVE.
- B. THE SITE IS SERVED BY THE MUNICIPAL WATER AND SEWER SYSTEM UNLESS OTHERWISE NOTED.
- C. ALL FOOD STORAGE SHALL BE 6" (150mm) A.F.F.
- D. ALL WOOD SURFACES (DOORS, TRIM, SHELVES, CABINETS) SHALL BE SEALED.
- E. ALL EQUIPMENT AND INSTALLATION WILL MEET NATIONAL SANITATION FOUNDATION STANDARDS OR EQUIVALENT.
- F. ALL EQUIPMENT AND CABINETRY WILL BE FLUSH MOUNTED TO COUNTERS, WALLS OR FLOORS, OR BE RAISED TO ALLOW FOR CLEANING.
- G. CONFIRM ALL NECESSARY EQUIPMENT CLEARANCES PER PRODUCT CUT SHEET (E.G. ICE MACHINE).
- H. FOR LOCATION OF COUNTERTOP EQUIPMENT, REFER TO CASEWORK ELECTRICAL DETAILS.
- I. EQUIPMENT UNITS SHALL CONTAIN NO EXPOSED THREADS, EMBELLISHMENTS OR OVERHANGING EDGES THAT SERVE AS PLACES FOR ACCUMULATION OF DUST, DIRT AND DEBRIS.
- J. WARMING OVEN(S) SHOWN FOR PERMITTING PURPOSES. INSTALLATION AT STORE OPENING TO BE VERIFIED BY STARBUCKS CONSTRUCTION REPRESENTATIVE.
- K. EACH HAND WASHING SINK WILL HAVE A SINGLE SERVICE TOWEL AND SOAP DISPENSER, AND ALL HAND SINKS TO HAVE A COMBINATION FAUCET OR PREMIXING FAUCET.
- L. FOR PLUMBING FIXTURES, REFER TO THE PLUMBING DESIGN PLAN. FOR DATA DEVICE SCHEDULE, REFER TO THE ELECTRICAL DESIGN PLAN.
- M. SEE ELEVATIONS FOR DISTRIBUTION OF CUP DISPENSERS.
- N. PROVIDE FIRE EXTINGUISHERS AS NOTED ON THE APPROVED PLANS FROM THE LOCAL JURISDICTION.

**PROJECT NAME:**  
**RANDALL AND ACKMAN**

**PROJECT ADDRESS:**  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

**STORE #:** 70143  
**PROJECT #:** 95175-002  
**ISSUE DATE:** 1/19/24 PERMIT SET  
**DESIGN MANAGER:** CAMILLA WATSON  
**PRODUCTION DESIGNER:** JO  
**CHECKED BY:** GPD GROUP

**Revision Schedule**

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

**SHEET TITLE:**  
**FF & E PLAN**

**SCALE:** AS SHOWN

**SHEET NUMBER:** I101

**GENERAL NOTES**

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STARBUCKS TEMPLATE VERSION i2023.04.24

**GPD GROUP, INC.\***  
LIC. # - 184-007100  
520 South Main Street, Suite 2351  
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330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: 001-02242-13

AARON M. RODEBAUGH  
001-022424  
signature

01/19/2024  
date  
expires 11-30-2024

| PLUMBING FIXTURE SCHEDULE - "P" |       |   |          |          |  |
|---------------------------------|-------|---|----------|----------|--|
| DESIGN ID                       | COUNT | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS   |
| DRAIN                           |       |   |          |          |  |
| 10294                           | 7     | DRAIN - FLOOR SINK SQUARE - 12IN 305MM  | SB       | GC       | SBUX WAREHOUSE ITEM ZURN MODEL #FD2375-NH-3, 12x12   |
| 10726                           | 7     | FLOOR SINK - GRATE HALF SQUARE - 12IN 305MM                                     | SB       | GC       | SBUX WAREHOUSE ITEM ZURN MODEL #29601-003, 8 7/8 HALF GRATE  |
| X0101                           | 9     | FLOOR CLEANOUT  | GC       | GC       | ZURN ZN1400, ADJUSTABLE FLOOR CLEANOUT, NICKEL BRONZE FRAME AND COVER.   |
| X0102                           | 3     | FLOOR DRAIN   | GC       | GC       | ZURN Z415B, ADJUSTABLE FLOOR DRAIN, 3" HUB OUTLET, NICKLE BRONZE TOP.  |
| FAUCET                          |       |   |          |          |  |
| 10152                           | 2     | FAUCET - DOUBLE LABORATORY WITH BENT RISER SPOUT                                | SB       | GC       |  |
| 10153                           | 4     | FAUCET - WATER TOWER - 12IN 305MM   | SB       | GC       |  |
| 10215                           | 2     | FAUCET - DOUBLE LABORATORY WITH SWING SPOUT                                     | SB       | GC       |  |
| 10447                           | 1     | FAUCET - PRE RINSE SPRAYER WALL MOUNTED   | SB       | GC       |  |
| 10597                           | 2     | FAUCET - SINGLE HANDLE  | SB       | GC       |  |
| 10804                           | 1     | FAUCET - PRE RINSE SWING SPOUT  | SB       | GC       |  |
| 10922                           | 1     | FAUCET - MOP SINK WALL MOUNTED  | SB       | GC       |  |
| 11003                           | 2     | FAUCET - METERED  | SB       | GC       |  |
| 13588                           | 1     | FAUCET - HAND SINK WALL MOUNTED   | SB       | GC       |  |
| 22642                           | 3     | FAUCET - INSTANTHOT SYSTEM 2 BUTTON WITH BOILER AND BRACKET                     | SB       | GC       | KIT INCLUDES FONT, UNDERCOUNTER BOILER AND BOILER BRACKET FOR SIDE PANEL MOUNTING. BRACKET CAN BE FLOOR MOUNTED USING SET OF (4) STAINLESS STEEL LEGS, ORDERED SEPARATELY THROUGH VENDOR.  |
| TK0042                          | 2     | FAUCET - RESTROOM BRADLEY LOOP WB1 WITH SOAP AND DRYER W1                       | SB       | GC       | LVQD1-C1-EM-LIMESTONE-WB1-T-5-P C-L-TI-HD1-DR1-STAIN-E-CL-P-POLY, SHIPS IN 4 WEEKS; VENDOR DIRECT BY BRADLEY CORP. CONTACT: DENNIS: KOOLHAAS@BRADLEYCCRP.COM   |
| FILTER                          |       |   |          |          |  |
| 12501                           | 1     | FILTER - RO SYSTEM 600GPD   | SB       | GC       |  |
| 12507                           | 1     | FILTER - RO SYSTEM STORAGE TANK R040  | SB       | GC       |  |
| 12896                           | 1     | FILTER - BRINE TANK   | SB       | GC       |  |
| 12899                           | 2     | FILTER - POLY GLASS VESSEL  | SB       | GC       |  |
| 13076                           | 1     | FILTER - PREFILTRATION SYSTEM   | SB       | GC       |  |
| 13082                           | 1     | FILTER - WATER SOFTENER TWIN  | SB       | GC       |  |
| 23355                           | 1     | FILTER - FILTRATION BOOSTER PUMP  | SB       | GC       | GC TO COORDINATE WITH SB VENDOR.   |
| OTHER                           |       |   |          |          |  |
| 22222                           | 2     | WATER HEATER ON DEMAND GAS - 199K BTU   | SB       | GC       |  |
| TK0044                          | 2     | RESTROOM BRADLEY ENCLOSED ACCESS PANEL SINGLE SINK                              | GC       | GC       | LVQD1-C1-EM-LIMESTONE-WB1-T-5-P C-L-TI-HD1-DR1-STAIN-E-CL-P-POLY, SHIPS IN 4 WEEKS; VENDOR DIRECT BY BRADLEY CORP. CONTACT: DENNIS: KOOLHAAS@BRADLEYCCRP.COM FINISH- LIMESTONE.  |
| X0103                           | 1     | RECIRCULATING PUMP  | SB       | GC       | BELL AND GOSSET MODEL NBF-18S, 120V, 100 WATT, WITH AQUASTAT   |
| SINK                            |       |   |          |          |  |
| 10549                           | 2     | SINK - RINSE DROP IN SST - 12X20IN 305X510MM                                    | SB       | GC       |  |
| 10995                           | 1     | SINK - MOP - 24X24IN 610X610MM  | SB       | GC       |  |
| 13700                           | 1     | SINK - 3 COMP WORK SST - 105IN 2665MM   | SB       | GC       |  |
| 14688                           | 1     | SINK - HAND WITH SIDE SPLASH WALL MOUNTED SST                                   | SB       | GC       |  |
| 17565                           | 1     | SINK - RINSE WITH DRAINBOARD - 15X27IN 380X685MM                                | SB       | GC       |  |
| 18743                           | 1     | SINK - WATER FILLING STATION - 36X24IN 915X610MM                                | SB       | GC       |  |
| 22768                           | 2     | SINK - COUNTERTOP RINSER WITH WATER TOWER - 26X9IN 660X235MM                    | SB       | GC       |  |
| TK0039                          | 2     | SINK - RESTROOM BRADLEY - WALL MOUNTED LVQD1                                    | SB       | GC       | LVQD1-C1-EM-LIMESTONE -WBL1-TI-HD1-DR1-STAIN-E-C L-P-POLY, SHIPS IN 4 WEEKS; VENDOR DIRECT BY BRADLEY CORP. CONTACT: DENNIS: KOOLHAAS@BRADLEYCCRP.COM FINISH- LIMESTONE  |
| TOILET                          |       |   |          |          |  |
| 13234                           | 1     | URINAL AUTOMATIC FLUSH  | GC       | GC       | WC TO BE PURCHASED THROUGH FERGUSON: NA.PROJECTS@FERGUSON.COM  |
| 22558                           | 2     | TOILET - TANKLESS AUTOMATIC SINGLE FLUSH  | GC       | GC       | ZURN MODEL #Z565-BWL1, HET ELONGATED, ADA HEIGHT, FLOOR MOUNTED ECOVANTAGE FLUSH VALVE TOILET, VITREOUS CHINA, WHITE, PROVIDE WITH ZURN MODEL #ZTR6200EV-LL 1.28 GPF SENSOR OPERATED WATER CLOSET FLUSH VALVE AND PROFLO MODEL #PFTSCOF2000WH ELONGATED COMMERCIAL TOILET SEAT, WHITE. |
| SITE SCHEDULE - "Y"             |       |   |          |          |  |
| DESIGN ID                       | COUNT | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS   |
| EXTERIOR MENU                   |       |   |          |          |  |
| 22540                           | 1     | MENU BOARD - DT 5 PANEL SQUARE FRAME FREESTANDING - 95X62IN 2415X1575MM - BLACK | SB       | GC       | FOOTINGS AND FOUNDATIONS BY GC.  |
| 22542                           | 1     | MENU BOARD - DT PRE MENU SQUARE FRAME FREESTANDING - 29X61IN 735X1550MM - BLACK | SB       | GC       | FOOTINGS AND FOUNDATIONS BY GC.  |
| 22546                           | 1     | MENU BOARD - DT DIGITAL ORDER SCREEN WITH POST - BLACK                          | SB       | GC       | FOOTINGS AND FOUNDATIONS BY GC.  |
| OTHER                           |       |   |          |          |  |
| 10041                           | 1     | TRASH ROUND - 18IN 455MM  | SB       | GC       |  |
| 10042                           | 1     | BIKE RACK HOOP  | LL       | LL       | FOUNDATIONS BY LL  |
| 14103                           | 4     | BOLLARD NONILLUMINATED SQUARE - FLAT  | SB       | GC       | LL TO PROVIDE FOUNDATIONS.   |
| 22543                           | 1     | DT ORDER POINT CANOPY SQUARE FRAME - BLACK                                      | SB       | GC       | LL TO PROVIDE FOUNDATION ANF CONDUIT WITH PULL STRINGS.  |
| 23113                           | 1     | GROUND GRAPHICS DT ENTRY STENCIL  | LL       | LL       | REFERENCE PAINT 20511 FOR SPECIFICATIONS   |
| 23115                           | 2     | GROUND GRAPHICS DO NOT ENTER STENCIL  | LL       | LL       | REFERENCE PAINT 20511 FOR SPECIFICATIONS   |
| 23117                           | 9     | GROUND GRAPHICS ARROW STENCIL   | LL       | LL       | REFERENCE PAINT 20511 FOR SPECIFICATIONS   |
| UMBRELLA                        |       |   |          |          |  |
| 18714                           | 4     | UMBRELLA - BASE 200LB 90KG - FLAT BLACK   | SB       | GC       |  |
| 20073                           | 4     | UMBRELLA - WITHOUT VALANCE - 6FT 183CM - GREEN CANVAS WITH WORDMARK F0056       | SB       | GC       |  |

| GRAPHICS AND ARTWORK SCHEDULE - "G" |       |   |          |          |  |
|-------------------------------------|-------|---|----------|----------|--|
| DESIGN ID                           | COUNT | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS   |
| GRAPHICS - ARTWORK                  |       |   |          |          |  |
| 17099                               | 1     | ART - ROBERT HARDGRAVE - HARVEST  | SB       | GC       | SBXART_17099 - WRAPPED CANVAS IN FLOAT FRAME - ART SIZE 120" W X 60" H - REVEAL 25" - PRINT TO EDGES - PRINT EDGES BLACK - OVERALL SIZE 121" W X 61" H - CANVAS 2 - FRAME 3C WHITE OAK |
| 22542                               | 1     | MENU BOARD - DT PRE MENU SQUARE FRAME FREESTANDING - 29X61IN 735X1550MM - BLACK | SB       | GC       | FOOTINGS AND FOUNDATIONS BY GC.  |
| 17156                               | 1     | ART - SHOHEI TAKASAKI - THE SIREN   | SB       | GC       | SBXART_17156 - FLOATED BEHIND GLAZING - OVERALL SIZE 46" W X 46" H - CLEAR SPACE AROUND ART 2" - MAT TO COVER INSIDE OF FRAME - PAPER 2 - MAT 2 - FRAME 3C WHITE OAK                   |
| 17492                               | 1     | ART - RYAN BUBNIS - BRANCH WITH CHERRIES  | SB       | GC       | SBXART_17492 - WRAPPED CANVAS IN FLOAT FRAME - ART SIZE 36" W X 48" H - REVAL 14" - PRINT TO EDGES - PRINT EDGES BLACK - OVERALL SIZE 37" W X 49" H - CANVAS 2 - FRAME 3C WHITE OAK    |
| 19268                               | 1     | ART - SHOGO OTA - BEAN TO CUP CIRCLE - BW                                       | SB       | GC       | SBXART_19268 - FLOATED BEHIND GLAZING - OVERALL SIZE 36" W X 36" H - CLEAR SPACE AROUND ART 2" - MAT TO COVER INSIDE OF FRAME - PAPER 2 - MAT 2 - FRAME 2A EBONIZED WALNUT             |
| GRAPHICS - OTHER                    |       |   |          |          |  |
| 11135                               | 2     | RESTROOM SIGN UNISEX ACCESSIBLE   | SB       | GC       |  |
| 12693                               | 2     | COMMUNITY BOARD MAGNETIC MED WARM BROWN WD0004 - 46X36IN 1170X915MM             | SB       | GC       |  |
| 23136                               | 1     | AUTOMATIC DOOR CAUTION SIGNAGE  | SB       | GC       |  |

| DATA DEVICE SCHEDULE - "A" |                  |   |          |          |                                     |
|----------------------------|------------------|---|----------|----------|-------------------------------------|
| DESIGN ID                  | COUNT            | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS                            |
| AUDIO VISUAL               |                  |   |          |          |                                     |
| 10005                      | 1                | MUSIC SYSTEM  | SB       | GC       |                                     |
| 10012                      | 1                | DT COMMUNICATION SYSTEM   | SB       | GC       |                                     |
| 10015                      | 3                | SPEAKER RECESSED - WHITE  | SB       | GC       |                                     |
| 10017                      | 1                | SPEAKER SURFACE MOUNTED - BLACK                                       | SB       | GC       |                                     |
| 12336                      | 1                | DT TIMER SYSTEM   | SB       | GC       |                                     |
| 19339                      | 1                | AMPLIFIER - 40W   | SB       | GC       |                                     |
| 19493                      | 4                | SPEAKER PENDANT MOUNTED - BLACK                                       | SB       | GC       |                                     |
| 22725                      | 1                | DT DIGITAL PRODUCTION MONITOR   | SB       | GC       | PART OF RETAIL IT EQUIPMENT PACKAGE |
| 22726                      | 1                | DT POS MONITOR ARM TRIPLE SURFACE MOUNTED                             | SB       | GC       | PART OF RETAIL IT EQUIPMENT PACKAGE |
| DATA                       |                  |   |          |          |                                     |
| 10002                      | 1                | COMPUTER MANAGER WORKSTATION  | SB       | GC       |                                     |
| 10007                      | 1                | PRINTER MANAGER WORKSTATION   | SB       | GC       |                                     |
| 18744                      | 1                | EQUIPMENT RACK WITH LOCK - 24IN 610MM                                 | SB       | GC       |                                     |
| 20294                      | 4                | IOT MODULE  | SB       | GC       |                                     |
| GRAPHICS - INTERIOR MENU   |                  |   |          |          |                                     |
| 22970                      | 4                | MENU BOARD - DIGITAL DISPLAY - 44X25.25IN 1121X644MM - BLACK          | SB       | GC       |                                     |
| 22972                      | 1                | MENU BOARD - DIGITAL MENU BOARD MOUNTING BRACKET THREE SCREEN - BLACK | SB       | GC       |                                     |
| 23021                      | 1                | MENU BOARD - ORDER STATUS BOARD MOUNTING BRACKET - BLACK              | SB       | GC       |                                     |
| POINT OF SALE              |                  |   |          |          |                                     |
| 10008                      | 2                | POS - REGISTER WITH COMPACT CASH DRAWER                               | SB       | GC       |                                     |
| 10014                      | 3                | POS PRINTER   | SB       | GC       |                                     |
| 10022                      | 1                | MONEY COUNTER   | SB       | GC       |                                     |
| 10029                      | 6                | POS BANK  | SB       | GC       |                                     |
| 10075                      | 4                | CUP LABELER   | SB       | GC       |                                     |
| 14677                      | 1                | POS - DT TENDERING REGISTER   | SB       | GC       | PART OF RETAIL IT EQUIPMENT PACKAGE |
| 14678                      | 1                | POS - DT EXPEDITOR  | SB       | GC       | PART OF RETAIL IT EQUIPMENT PACKAGE |
| SECURITY                   |                  |   |          |          |                                     |
| 10024                      | 1                | SAFE LH - 20X18X26IN 510X455X660MM                                    | SB       | GC       |                                     |
| 10028                      | 1                | SAFE BASE   | SB       | GC       |                                     |
| SHEET TITLE:               | FF & E SCHEDULES |   |          |          |                                     |
| SCALE:                     | AS SHOWN         |   |          |          |                                     |
| SHEET NUMBER:              | I101B            |   |          |          |                                     |



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**GPD GROUP, INC.®**  
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GPD PROJECT NUMBER: 001-02244  
GPD PROJECT NUMBER: 001-02244  
GPD PROJECT NUMBER: 001-02244

AARON M. RODEBAUGH  
001-02244  
signature  
01/19/2024  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |

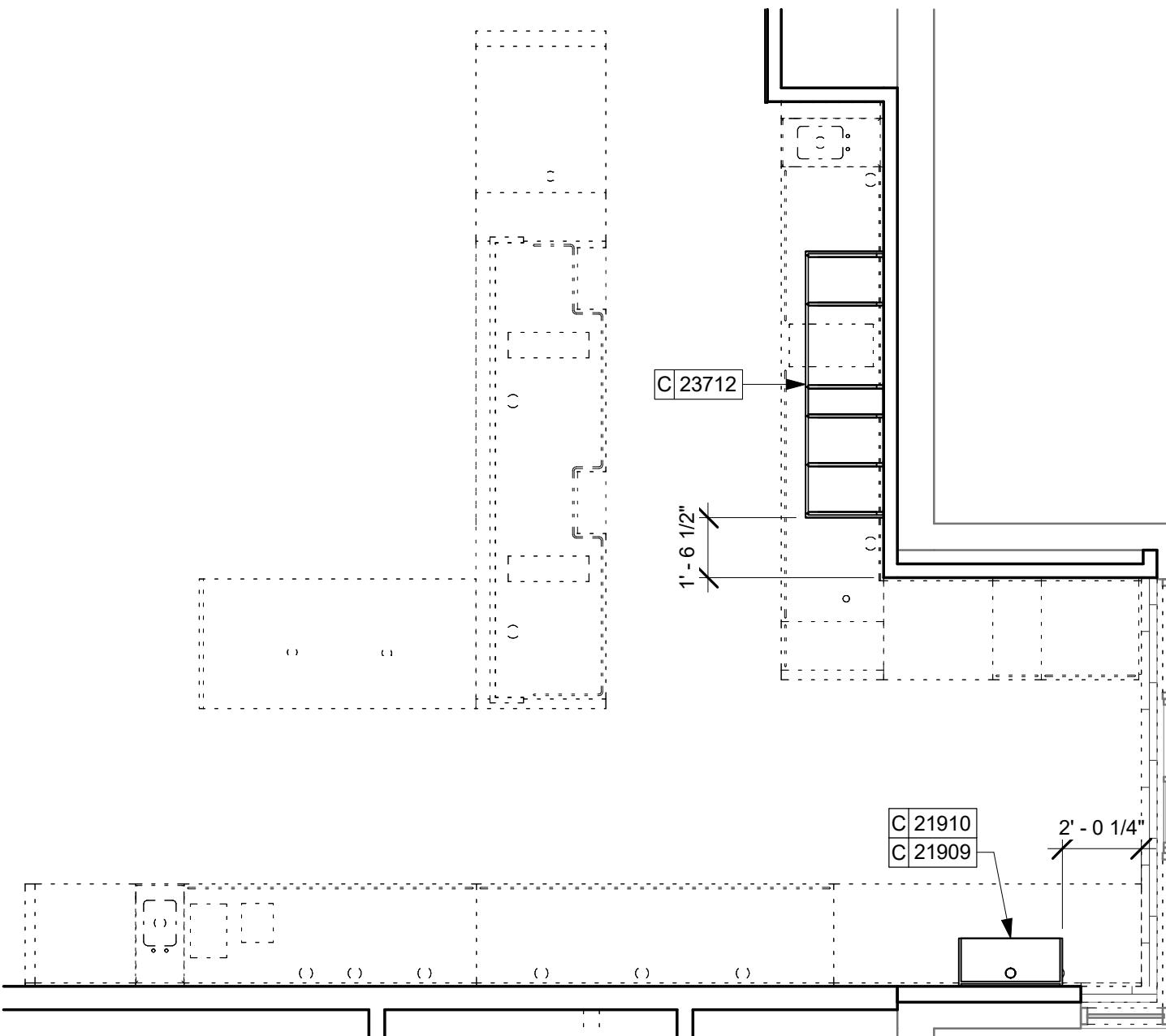
SHEET TITLE:  
**CASEWORK PLAN**  
SCALE: AS SHOWN  
SHEET NUMBER:  
I102

## KEYED NOTES

- DO NOT CAULK TRASH RINGS TO COUNTERTOPS.
- INSTALL CASEWORK, COUNTERTOPS, SHELVES, CUBBIES, FINISHES, TRIM AND TABLE TOPS THROUGHOUT.
- ALL COUNTERTOPS SHALL BE INSTALLED AT 2'-10" (860 MM) MAXIMUM A.F.F. MAX.
- FLOOR DRAIN BELOW CASEWORK MANUFACTURER TO COORDINATE DESIGN TO INSURE THIS AREA IS READILY ACCESSIBLE FOR CLEANING AND FREE OF COUNTERTOP SUPPORT.

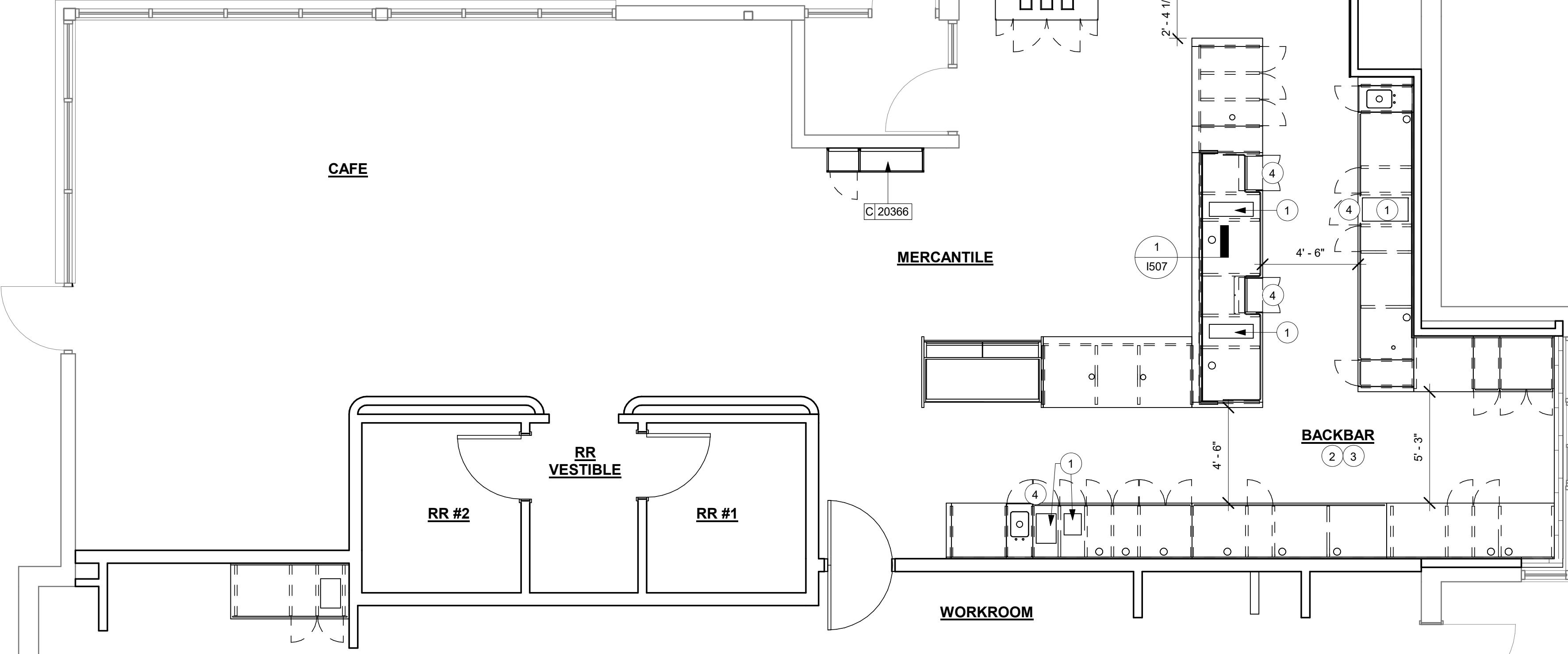
## GENERAL NOTES

- GENERAL CONTRACTOR TO NOTIFY CONSTRUCTION MANAGER IMMEDIATELY IF A DISCREPANCY EXISTS BETWEEN CASEWORK SHOP DRAWINGS, EXISTING SITE CONDITIONS, ARCHITECTURAL DRAWINGS OR BUILT FIXTURES. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY G.C.
- STARBUCKS CONSTRUCTION MANAGER TO COORDINATE AND SCHEDULE CASEWORK DELIVERY DATE. GENERAL CONTRACTOR TO CONFIRM CASEWORK DELIVERY DATE WITH CASEWORK MANUFACTURER AT FOUR (4) WEEKS PRIOR AND THEN ONE (1) WEEK PRIOR TO SCHEDULED DATE OF DELIVERY.
- STARBUCKS CONTRACTS DIRECTLY WITH CASEWORK VENDOR TO SUPPLY CASEWORK LISTED IN THE CASEWORK SCHEDULE, UNLESS OTHERWISE NOTED.
- CASEWORK VENDOR TO PROVIDE COMPLETE SHOP DRAWINGS AND INSTALLATION PACKAGE TO GENERAL CONTRACTOR TO FACILITATE PROPER INSTALLATION.
- ALL CASEWORK BOX BASES SHALL BE SET AND LEVELED USING 1/4" (6 MM) NON-ABSORBENT PLASTIC SHIMS PROVIDED BY CASEWORK VENDOR.
- SEE INTERIOR FINISH ELEVATIONS AND SCHEDULES FOR LOCATION AND TAGGING OF WALL TREATMENTS BY CV AND OTHERS.
- SEE REFLECTED CEILING PLAN FOR ABOVE BAR SOFFIT LOCATIONS.
- REFERENCE PLUMBING AND ELECTRICAL PLANS FOR PLACEMENT OF ELECTRICAL, DATA AND PLUMBING ON FRONT AND BACKLINE OF BAR.



## 2 UPPER CASEWORK PLAN

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



## 1 LOWER CASEWORK PLAN

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



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GPD PROJECT NUMBER: 001-02242

AARON M. RODEBAUGH  
001-022424  
*signature*

01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |

SHEET TITLE:  
**ADAPTABLE CASEWORK  
FRAMEWORK PLAN**  
SCALE: AS SHOWN

SHEET NUMBER:

i102.2

### KEYED NOTES

1. PROVIDE 3/4" BLOCKING TO 34" A.F.F. FOR ALL WALL BRACKETS TO SUPPORT CASEWORK LEG.
2. METAL SUPPORT LEG ADJACENT TO WALL TO BE SUPPORTED BY METAL ANGLE FASTENED TO WALL PER CONSTRUCTION DETAILS.
3. DIMENSIONS LOCATING SUPPORT LEG ARE TO CENTER OF FRAME.
4. FOOD CASE
- E. ALL DIMENSIONS TAKEN FROM FRONTLINE DATUM POINT TO OUTSIDE CORNER OF DIEWALL BASE.
- F. TOP EDGE OF DIEWALL FRAME TO BE INSTALLED AT 32 13/16" A.F.F. AT LOW POINT.
- G. ALL DIMENSIONS ARE TO CENTER OF CABINET FRAME UNLESS NOTED OTHERWISE.

### GENERAL NOTES

- A. SEE SHEET I102 FOR COMPLETE CASEWORK SCHEDULE.
- B. METAL COMPONENTS PROVIDED BY CASEWORK SUPPLIER UNLESS OTHERWISE NOTED.
- C. G.C. TO PROVIDE CONTINUOUS WALL BLOCKING BEHIND CASEWORK.
- D. CASEWORK FRAME AT BAR ENDS ARE SUPPORTED BY 90 DEGREE DIEWALL BASE.



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GPD PROJECT NUMBER: I2023262.13

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01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
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DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**ADAPTABLE CASEWORK  
CABINET PLAN**  
SCALE: AS SHOWN

SHEET NUMBER:  
**I102.3**

## GENERAL NOTES

A. SEE SHEET I102 FOR COMPLETE CASEWORK SCHEDULE.

B. ALL DIMENSIONS ARE TO CENTER OF FRAME ASSEMBLY.

C. CABINET PANELS:

- > ALL CABINET SHELVING TO BE SECURED TO METAL COMPONENTS WITH #8 ROUND HEAD SCREWS.
- > ALL METAL COMPONENTS SHALL BE SECURED TO FRAME ASSEMBLY AT KEY HOLE LOCATIONS.
- > BOTTOM FLASHING SECURED TO HDPE WITH SILICONE.

D. SUBSTRATE PANELS:

- > SUBSTRATE PANELS SHALL BE MOISTURE RESISTANT (MR) PLYWOOD, MDF OR HDF.
- > CASEWORK VENDOR SHALL PROVIDE ALL SUB PANELS TO BE CUT TO SIZE PRIOR TO SHIPPING.
- > CASEWORK VENDOR SHALL APPLY Z-CLIPS TO FINISH PANELS PRIOR TO SHIPPING.
- > FRONTLINE PANELS TO BE SECURED TO SUBSTRATE VIA Z-CLIP APPLICATION.
- > PANEL INSTALLATION TO START AT OUTSIDE CORNER LOCATIONS.
- > END PANELS TO BE SCRIBED ON SITE.
- > ALL PANEL CUT-OUTS SHALL BE FINISHED ALL AROUND.
- > Z-CLIPS TO BE INSTALLED 1" AWAY FROM PANEL EDGE.

## KEYED NOTES

1. NITRO EQUIPMENT LOCATION
2. FOOD CASE
3. CASEWORK SUPPLIER TO PROVIDE ADDITIONAL BACKER SUBSTRATE TO ALIGN END CAP PANEL TO ADJACENT DOOR FACES.

## ADAPTABLE CASEWORK CABINET SCHEDULE - "C"

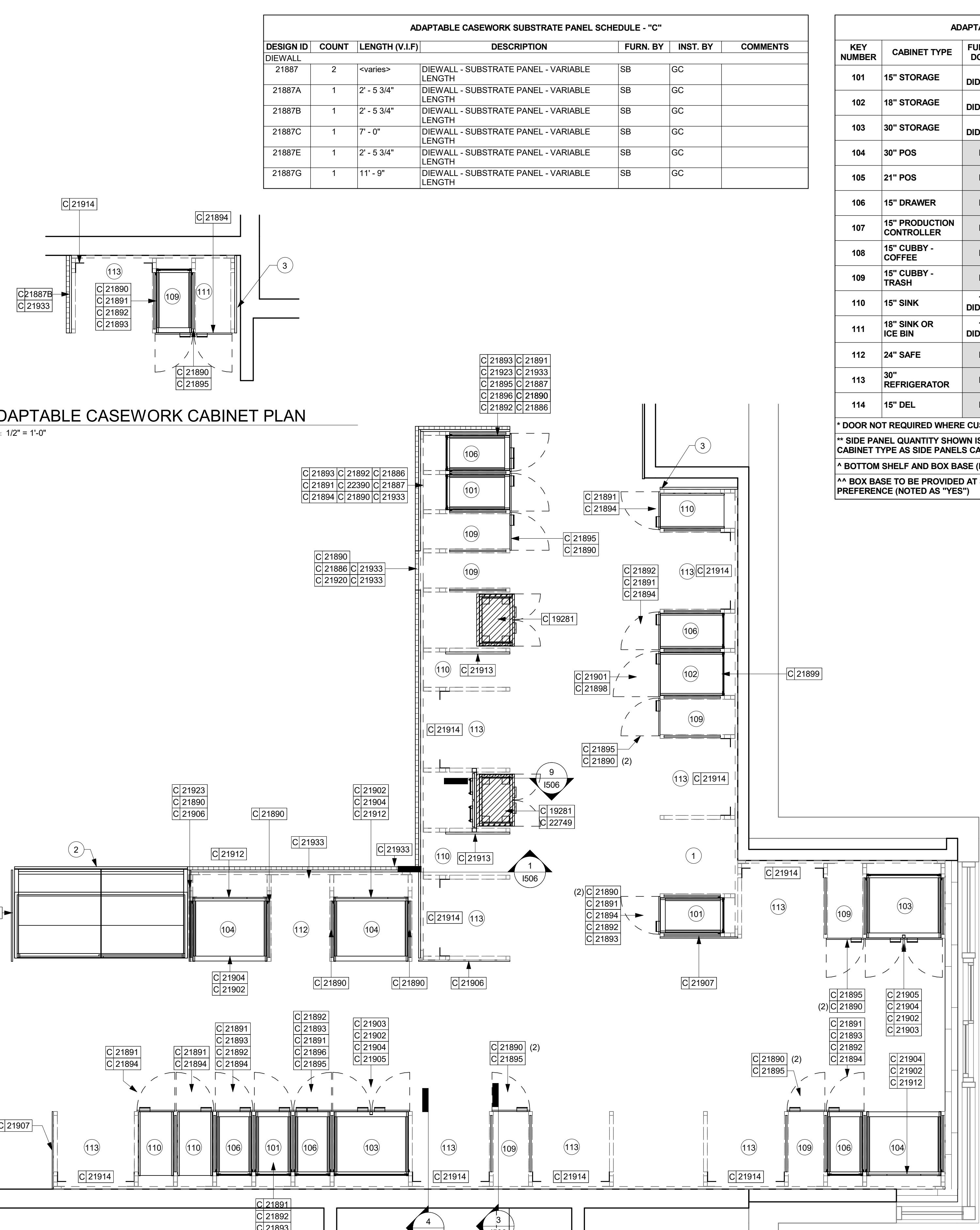
| DESIGN ID       | COUNT | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS                                 | LENGTH (V.I.F.) |
|-----------------|-------|---|----------|----------|--|-----------------|
| X51231          | 1     | WOOD CAP 1" X 5.5" WHITE OAK  | SB       | GC       | WOOD CLADDING - MAD100-V - WD0073        |                 |
| <b>CABINET</b>  |       |   |          |          |  |                 |
| 19281           | 2     | CABINET - ESPRESSO ICE BIN STAINLESS - 20IN 510MM                                 | SB       | GC       |  |                 |
| 21890           | 32    | CABINET - SIDE PANEL  | SB       | GC       |  |                 |
| 21891           | 12    | CABINET - BOTTOM SHELF - 15IN 380MM   | SB       | GC       |  |                 |
| 21892           | 9     | CABINET - BACK PANEL - 15IN 380MM   | SB       | GC       |  |                 |
| 21893           | 8     | CABINET - ADJUSTABLE SHELF - 15IN 380MM   | SB       | GC       |  |                 |
| 21894           | 10    | CABINET - DOOR - 15IN 380MM   | SB       | GC       |  |                 |
| 21895           | 8     | CABINET - DOOR TRASH - 15IN 380MM   | SB       | GC       |  |                 |
| 21896           | 2     | CABINET - DRAWER - 15IN 380MM   | SB       | GC       |  |                 |
| 21898           | 1     | CABINET - BOTTOM SHELF - 18IN 455MM   | SB       | GC       |  |                 |
| 21899           | 1     | CABINET - BACK PANEL - 18IN 455MM   | SB       | GC       |  |                 |
| 21901           | 1     | CABINET - DOOR - 18IN 455MM   | SB       | GC       |  |                 |
| 21902           | 5     | CABINET - BOTTOM SHELF - 30IN 760MM   | SB       | GC       |  |                 |
| 21903           | 2     | CABINET - BACK PANEL - 30IN 760MM   | SB       | GC       |  |                 |
| 21904           | 8     | CABINET - ADJUSTABLE SHELF - 30IN 760MM   | SB       | GC       |  |                 |
| 21905           | 2     | CABINET - DOOR - 30IN 760MM   | SB       | GC       |  |                 |
| 21906           | 3     | CABINET - END CAP FRONTBAR  | SB       | GC       |  |                 |
| 21907           | 2     | CABINET - END CAP BACKBAR   | SB       | GC       |  |                 |
| 21909           | 1     | CABINET - DT POS UPPER CUBBY - 32IN 815MM   | SB       | GC       |  |                 |
| 21910           | 1     | CABINET - FRENCH CLEAT - VARIABLE LENGTH  | SB       | GC       | QUANTITY - 1. OVERALL LENGTH 2' - 6 1/2" |                 |
| 21912           | 3     | CABINET - BACK PANEL FOR POS - 30IN 760MM   | SB       | GC       |  |                 |
| 21913           | 2     | CABINET - EQUIPMENT MOUNTING PANEL  | SB       | GC       |  |                 |
| 22749           | 1     | CABINET - ESPRESSO PUMP MOUNT PANEL   | SB       | GC       |  |                 |
| <b>CABINETS</b> |       |   |          |          |  |                 |
| 23712           | 1     | CABINET - CBE UPPER CASEWORK TALL IN-LINE - SB                                    | RF       | 82IN     | GC                                       |                 |
| <b>CAFE</b>     |       |   |          |          |  |                 |
| 20132           | 1     | CONDIMENT WASTE AND RECYCLING CART THREE DROP - WHITE OAK AND BLACK WD0073 CP0005 | SB       | GC       |  |                 |
| 20366           | 1     | WALL BAY 2 UNIT - RH - 54IN 1370MM - WHITE OAK WD0073                             | SB       | GC       |  |                 |
| <b>OTHER</b>    |       |   |          |          |  |                 |
| 11155           | 2     | ESPRESSO MACHINE PUMP MOUNT - 10X10IN 255X255MM                                   | SB       | GC       |  |                 |
| 21914           | 10    | FRIDGE STOP BRACKET SET   | SB       | GC       |  |                 |
| X10008          | 2     | MENU WOOD FRAME SHROUD  | SB       | GC       | FINISH: WD0073 WHITE OAK.                |                 |
| 21933           | 6     | FINISH PANEL - VARIABLE LENGTH  | SB       | GC       | <varies>                                 |                 |

## ADAPTABLE CASEWORK CABINET PLAN

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

## ADAPTABLE CASEWORK CABINET PLAN

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



N



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BRICKS TEMPLATE VERSION i2023.04.24



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330.572.2100 Fax 330.572.2101

PROJECT NUMBER: 2023262.13  
DRAFTED BY: ENGINEERED ARCHITECTURE

The seal of the State of Illinois, featuring a central shield with a plow, a sheaf of wheat, and a compass rose, surrounded by a circular border with the words "THE STATE OF ILLINOIS".

01/19/2024  
date  
survives 11-20-2024

1

3D

# KEYED NOTES

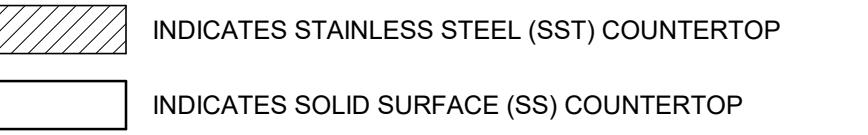
- CASEWORK FRAME BELOW
  - LOCATE WATER TROUGH AT EDGE OF COUNTERTOP AS SHOWN.
  - RAISED EDGE GROMMETS
  - CORIAN SHROUD AT ESPRESSO BAR
  - CUT OUT FOR RECESSED SINK, ICE BIN OR TRASH DROP. SEE EQUIPMENT AND/OR MANUFACTURER'S CUTSHEETS FOR DIMENSIONS.
  - FOOD CASE

## GENERAL NOTES

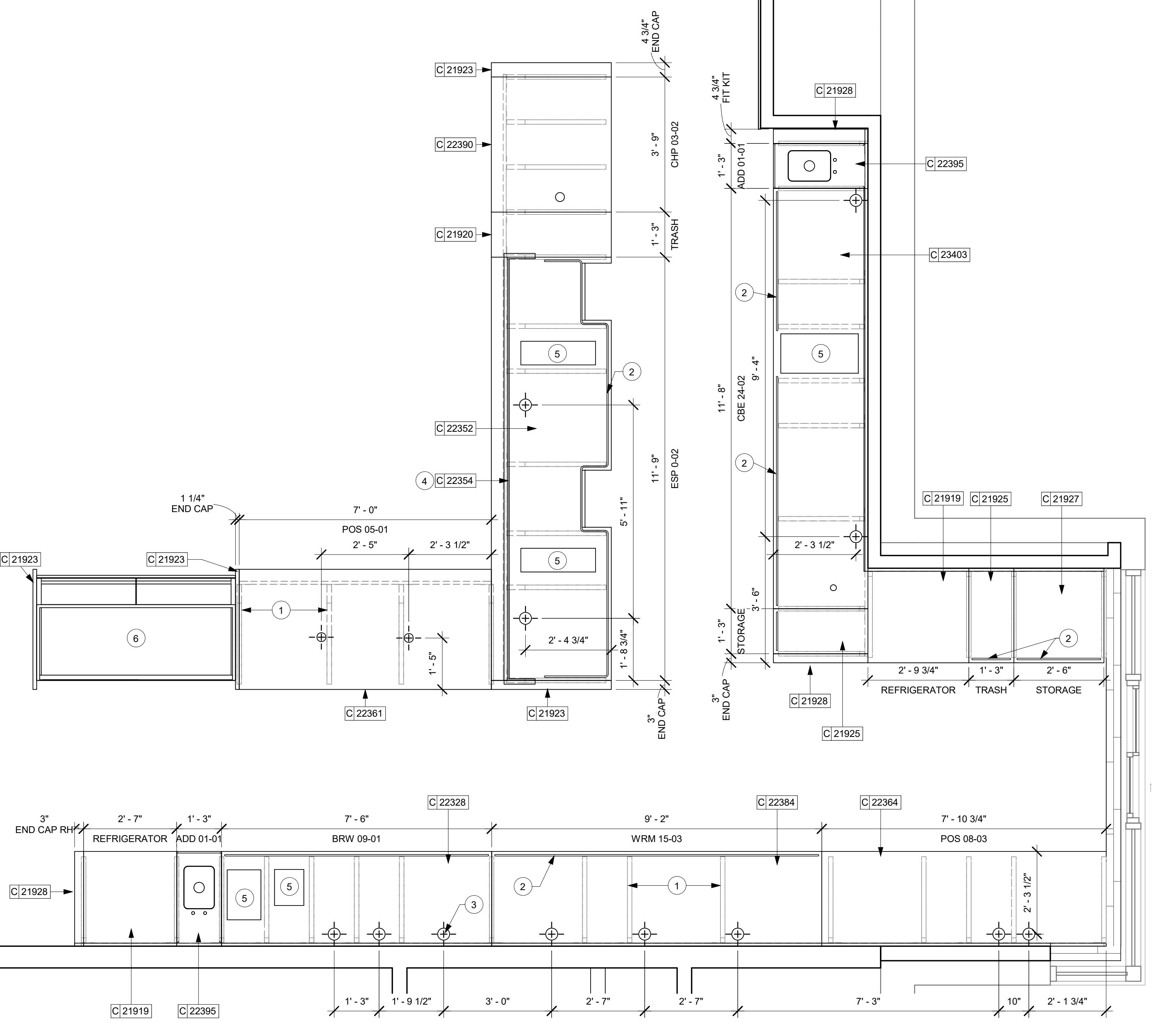
- A. SEE SHEET I102 FOR COMPLETE CASEWORK SCHEDULE.
  - B. G.C.'S INSTALLER SHALL VERIFY COUNTER CHANNEL REQUIREMENTS PRIOR TO CUTTING IN FIELD.
  - C. G.C./INSTALLER TO VERIFY COUNTERTOP SUPPORT CHANNEL MEASUREMENTS PRIOR TO CUTTING. FIELD CUT AT SINKS AND ICE BINS.
  - D. "C" CHANNEL MOUNTS OVER FRONT AND REAR INDEX BRACKETS WHICH ARE INSERTED INTO FRAMEWORK.
  - E. SILICONE SEAM AT TRANSITION FROM COUNTERTOP TO HAND SINKS.
  - F. SILICONE AND SEAL ALL SEAMS BETWEEN SINKS, EQUIPMENT AND COUNTERTOPS.
  - G. ONCE COUNTERTOP IS SET, LEVELED AND SEAMED, SECURE CHANNEL TO UNDERSIDE OF SUBSTRATE.

## **LEGEND**

---



| ADAPTABLE CASEWORK COUNTERTOP SCHEDULE - "C" |       |  |          |          |   |
|--|-------|--|----------|----------|---|
| DESIGN ID                                    | COUNT | DESCRIPTION  | FURN. BY | INST. BY | COMMENTS  |
| COUNTERTOP                                   |       |  |          |          |   |
| 21919  | 2     | COUNTERTOP - FILLER BACKBAR - VARIABLE LENGTH        | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 21920  | 1     | COUNTERTOP - FRONTBAR - 15IN 380MM                   | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECUCLED GLASS - POLISHED |
| 21923  | 4     | COUNTERTOP - END CAP FRONTBAR                        | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECUCLED GLASS - POLISHED |
| 21925  | 2     | COUNTERTOP - BACKBAR - 15IN 380MM                    | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 21927  | 1     | COUNTERTOP - BACKBAR - 30IN 760MM                    | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 21928  | 3     | COUNTERTOP - END CAP BACKBAR                         | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 22328  | 1     | COUNTERTOP - BREW - LF - 90IN 2285MM                 | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 22352  | 1     | COUNTERTOP - ESPRESSO FRONTBAR - LF - 141IN 3580MM   | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECUCLED GLASS - POLISHED |
| 22354  | 1     | COUNTERTOP - ESPRESSO SHROUD - 141IN 3580MM          | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECUCLED GLASS - POLISHED |
| 22361  | 1     | COUNTERTOP - POS - 84IN 2135MM                       | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECUCLED GLASS - POLISHED |
| 22364  | 1     | COUNTERTOP - DT POS - LF - 94IN 2390MM               | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 22384  | 1     | COUNTERTOP - WARMING WITH RACK - LF - 110IN 2795MM   | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 22390  | 1     | COUNTERTOP - CONSOLIDATED HANDOFF - RF - 45IN 1145MM | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECUCLED GLASS - POLISHED |
| 22395  | 2     | COUNTERTOP - HAND SINK LOW SPLASH - 15IN 380MM       | SB       | GC       |   |
| 23151  | 1     | COUNTERTOP - PARTNER AMENITY - 67IN 1700MM           | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 23403  | 1     | COUNTERTOP - CBE IN-LINE RF - 139IN 3530MM           | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |



# 1 ADAPTABLE CASEWORK COUNTERTOP PLAN

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



## ADAPTABLE CASEWORK COUNTERTOP PLAN

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



RANDALL AND ACKMAN

PROJECT ADDRESS:  
**RANDALL RD &  
CRYSTAL LAKE**

RE #: 70143  
JECT #: 95175-002  
DATE: 1/19/24 PERMIT SET  
N MANAGER: CAMILLA WATSON  
CTION DESIGNER: JO  
KED BY: GPD GROUP

| Revision Schedule |    |             |
|-------------------|----|-------------|
| Date              | By | Description |

**TITLE:  
ADAPTABLE CASEWORK  
UNTERTOP PLAN  
AS SHOWN**

ST NUMBER:

102 4



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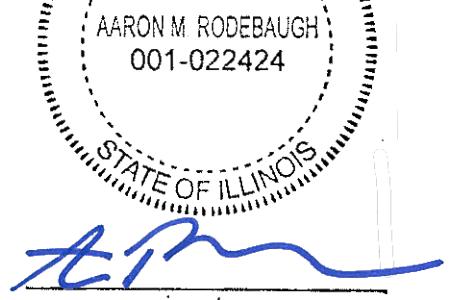
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STARBUCKS TEMPLATE VERSION I2023.04.24



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330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: 001-022424



signature  
AARON M. RODEBAUGH  
001-022424

01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002

ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**CASEWORK SCHEDULES**

SCALE: AS SHOWN

SHEET NUMBER:  
**I102B**

| CASEWORK FINISH SCHEDULE              |                                       |                 |          |  |
|---------------------------------------|---------------------------------------|-----------------|----------|--|
| ENGINE ZONE                           | MATERIAL DESCRIPTION                  | FINISH CODE     | COMMENTS |  |
| COMPOSITE - BRUSHED DARK GREY         |                                       |                 |          |  |
| COUNTERTOPS - BACKBAR                 | COMPOSITE - BRUSHED DARK GREY         | CP0057          |          |  |
| COMPOSITE - MATTE BLACK MOTTLED PAPER |                                       |                 |          |  |
| CABINETS - EXTERIOR                   | COMPOSITE - MATTE BLACK MOTTLED PAPER | CP0024          |          |  |
| METAL - FLAT BLACK POWDERCOAT         |                                       |                 |          |  |
| FRAMING AND HARDWARE                  | METAL - FLAT BLACK POWDERCOAT         | MT0028          |          |  |
| METAL - STAINLESS STEEL - BRUSHED     |                                       |                 |          |  |
| CABINETS - UNDERCOUNTER ICE BIN       | METAL - STAINLESS STEEL - BRUSHED     | #4 BRUSHED 16GA |          |  |
| COUNTERTOPS - HAND SINK               | METAL - STAINLESS STEEL - BRUSHED     | #4 BRUSHED 16GA |          |  |
| FRAMING AND HARDWARE                  | METAL - STAINLESS STEEL - BRUSHED     | #4 BRUSHED 16GA |          |  |
| PLAM - GOLDEN BLONDE GRAIN            |                                       |                 |          |  |
| CABINETS - DT POS CUBBY               | PLAM - GOLDEN BLONDE GRAIN            | PL0027          |          |  |
| CABINETS - UPPER                      | PLAM - GOLDEN BLONDE GRAIN            | PL0027          |          |  |
| PLAM - MOTTLED BLACK                  |                                       |                 |          |  |
| CABINETS - EXTERIOR                   | PLAM - MOTTLED BLACK                  | PL              |          |  |
| CABINETS - INTERIOR                   | PLAM - MOTTLED BLACK                  | PL              |          |  |
| CABINETS - UPPER                      | PLAM - MOTTLED BLACK                  | PL              |          |  |
| PLASTIC - WHITE HDPE                  |                                       |                 |          |  |
| CABINETS - INTERIOR                   | PLASTIC - WHITE HDPE                  | PL0043          |          |  |
| WOOD - WHITE OAK - PEAKS - VERTICAL   |                                       |                 |          |  |
| FINISH PANELS - FRONTBAR              | WOOD - WHITE OAK - PEAKS - VERTICAL   | WD0073          |          |  |
|                                       |                                       | MAD105-V        |          |  |

| CASEWORK SCHEDULE - "C" |       |   |          |          |   |
|-------------------------|-------|---|----------|----------|---|
| DESIGN ID               | COUNT | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS  |
| X51231                  | 1     | WOOD CAP 1" X 5.5" WHITE OAK  | SB       | GC       | WOOD CLADDING - MAD100-V - WD0073                       |
| CABINET                 |       |   |          |          |   |
| 19281                   | 2     | CABINET - ESPRESSO ICE BIN STAINLESS - 20IN 510MM                                 | SB       | GC       |   |
| 21890                   | 32    | CABINET - SIDE PANEL  | SB       | GC       |   |
| 21891                   | 12    | CABINET - BOTTOM SHELF - 15IN 380MM   | SB       | GC       |   |
| 21892                   | 9     | CABINET - BACK PANEL - 15IN 380MM   | SB       | GC       |   |
| 21893                   | 8     | CABINET - ADJUSTABLE SHELF - 15IN 380MM   | SB       | GC       |   |
| 21894                   | 10    | CABINET - DOOR - 15IN 380MM   | SB       | GC       |   |
| 21895                   | 8     | CABINET - DOOR TRASH - 15IN 380MM   | SB       | GC       |   |
| 21896                   | 2     | CABINET - DRAWER - 15IN 380MM   | SB       | GC       |   |
| 21898                   | 1     | CABINET - BOTTOM SHELF - 18IN 455MM   | SB       | GC       |   |
| 21899                   | 1     | CABINET - BACK PANEL - 18IN 455MM   | SB       | GC       |   |
| 21901                   | 1     | CABINET - DOOR - 18IN 455MM   | SB       | GC       |   |
| 21902                   | 5     | CABINET - BOTTOM SHELF - 30IN 760MM   | SB       | GC       |   |
| 21903                   | 2     | CABINET - BACK PANEL - 30IN 760MM   | SB       | GC       |   |
| 21904                   | 8     | CABINET - ADJUSTABLE SHELF - 30IN 760MM   | SB       | GC       |   |
| 21905                   | 2     | CABINET - DOOR - 30IN 760MM   | SB       | GC       |   |
| 21906                   | 3     | CABINET - END CAP FRONTBAR  | SB       | GC       |   |
| 21907                   | 2     | CABINET - END CAP BACKBAR   | SB       | GC       |   |
| 21909                   | 1     | CABINET - DT POS UPPER CUBBY - 32IN 815MM   | SB       | GC       |   |
| 21910                   | 1     | CABINET - FRENCH CLEAT - VARIABLE LENGTH  | SB       | GC       | QUANTITY - 1. OVERALL LENGTH 2' - 6 1/2"                |
| 21912                   | 3     | CABINET - BACK PANEL FOR POS - 30IN 760MM   | SB       | GC       |   |
| 21913                   | 2     | CABINET - EQUIPMENT MOUNTING PANEL  | SB       | GC       |   |
| 22749                   | 1     | CABINET - ESPRESSO PUMP MOUNT PANEL   | SB       | GC       |   |
| CABINETS                |       |   |          |          |   |
| 23712                   | 1     | CABINET - CBE UPPER CASEWORK TALL IN-LINE - RF - 82IN                             | SB       | GC       |   |
| CAFE                    |       |   |          |          |   |
| 20132                   | 1     | CONDIMENT WASTE AND RECYCLING CART THREE DROP - WHITE OAK AND BLACK WD0073 CP0005 | SB       | GC       |   |
| 20366                   | 1     | WALL BAY 2 UNIT - RH - 54IN 1370MM - WHITE OAK WD0073                             | SB       | GC       |   |
| COUNTERTOP              |       |   |          |          |   |
| 21919                   | 2     | COUNTERTOP - FILLER BACKBAR - VARIABLE LENGTH                                     | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 21920                   | 1     | COUNTERTOP - FRONTBAR - 15IN 380MM  | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECYCLED GLASS - POLISHED |
| 21923                   | 4     | COUNTERTOP - END CAP FRONTBAR   | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECYCLED GLASS - POLISHED |
| 21925                   | 2     | COUNTERTOP - BACKBAR - 15IN 380MM   | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 21927                   | 1     | COUNTERTOP - BACKBAR - 30IN 760MM   | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 21928                   | 3     | COUNTERTOP - END CAP BACKBAR  | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 22328                   | 1     | COUNTERTOP - BREW - LF - 90IN 2285MM  | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 22352                   | 1     | COUNTERTOP - ESPRESSO FRONTBAR - LF - 141IN 3580MM                                | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECYCLED GLASS - POLISHED |
| 22354                   | 1     | COUNTERTOP - ESPRESSO SHROUD - 141IN 3580MM                                       | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECYCLED GLASS - POLISHED |
| 22361                   | 1     | COUNTERTOP - POS - 84IN 2135MM  | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECYCLED GLASS - POLISHED |
| 22364                   | 1     | COUNTERTOP - DT POS - LF - 94IN 2390MM  | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 22384                   | 1     | COUNTERTOP - WARMING WITH RACK - LF - 110IN 2795MM                                | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 22390                   | 1     | COUNTERTOP - CONSOLIDATED HANDOFF - RF - 45IN 1145MM                              | SB       | GC       | FINISH: CP0105 - VOLCANO DARK RECYCLED GLASS - POLISHED |
| 22395                   | 2     | COUNTERTOP - HAND SINK LOW SPLASH - 15IN 380MM                                    | SB       | GC       |   |
| 23151                   | 1     | COUNTERTOP - PARTNER AMENITY - 67IN 1700MM  | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| 23403                   | 1     | COUNTERTOP - CBE IN-LINE RF - 139IN 3530MM  | SB       | GC       | FINISH: CP0057 - BRUSHED DARK GREY                      |
| DIEWALL                 |       |   |          |          |   |
| 21885A                  | 1     | DIEWALL - FRAMING - VARIABLE LENGTH   | SB       | GC       |   |
| 21885B                  | 1     | DIEWALL - FRAMING - VARIABLE LENGTH   | SB       | GC       |   |
| 21885C                  | 1     | DIEWALL - FRAMING - VARIABLE LENGTH   | SB       | GC       |   |
| 21885D                  | 1     | DIEWALL - FRAMING - VARIABLE LENGTH   | SB       | GC       |   |
| 21885E                  | 1     | DIEWALL - FRAMING - VARIABLE LENGTH   | SB       | GC       |   |
| 21885F                  | 1     | DIEWALL - FRAMING - VARIABLE LENGTH   | SB       | GC       |   |
| 21886                   | 3     | DIEWALL - BASE - VARIABLE LENGTH  | SB       | GC       |   |
| 21886A                  | 1     | DIEWALL - BASE - VARIABLE LENGTH  | SB       | GC       |   |
| 21886B                  | 1     | DIEWALL - BASE - VARIABLE LENGTH  | SB       | GC       |   |
| 21886C                  | 1     | DIEWALL - BASE - VARIABLE LENGTH  | SB       | GC       |   |
| 21886E                  | 1     | DIEWALL - BASE - VARIABLE LENGTH  | SB       | GC       |   |
| 21887                   | 2     | DIEWALL - SUBSTRATE PANEL - VARIABLE LENGTH                                       | SB       | GC       |   |
| 21887A                  | 1     | DIEWALL - SUBSTRATE PANEL - VARIABLE LENGTH                                       | SB       | GC       |   |
| 21887B                  | 1     | DIEWALL - SUBSTRATE PANEL - VARIABLE LENGTH                                       | SB       | GC       |   |
| 21887C                  | 1     | DIEWALL - SUBSTRATE PANEL - VARIABLE LENGTH                                       | SB       | GC       |   |
| 21887E                  | 1     | DIEWALL - SUBSTRATE PANEL - VARIABLE LENGTH                                       | SB       | GC       |   |
| 21887G                  | 1     | DIEWALL - SUBSTRATE PANEL - VARIABLE LENGTH                                       | SB       | GC       |   |
| 21888                   | 48    | DIEWALL - SUPPORT LEG   | SB       | GC       |   |
| OTHER                   |       |   |          |          |   |
| 11155                   | 2     | ESPRESSO MACHINE PUMP MOUNT - 10X10IN 256X255MM                                   | SB       | GC       |   |
| 21914                   | 10    | FRIDGE STOP BRACKET SET   | SB       | GC       |   |
| X10008                  | 2     | MENU WOOD FRAME SHROUD  | SB       | GC       | FINISH: WD0073 WHITE OAK.                               |
| PANEL                   |       |   |          |          |   |
| 21933                   | 6     | FINISH PANEL - VARIABLE LENGTH  | SB       | GC       |   |



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STARBUCKS TEMPLATE VERSION i2023.04.24



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520 South Main Street, Suite 2351  
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330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: 023262.13



01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

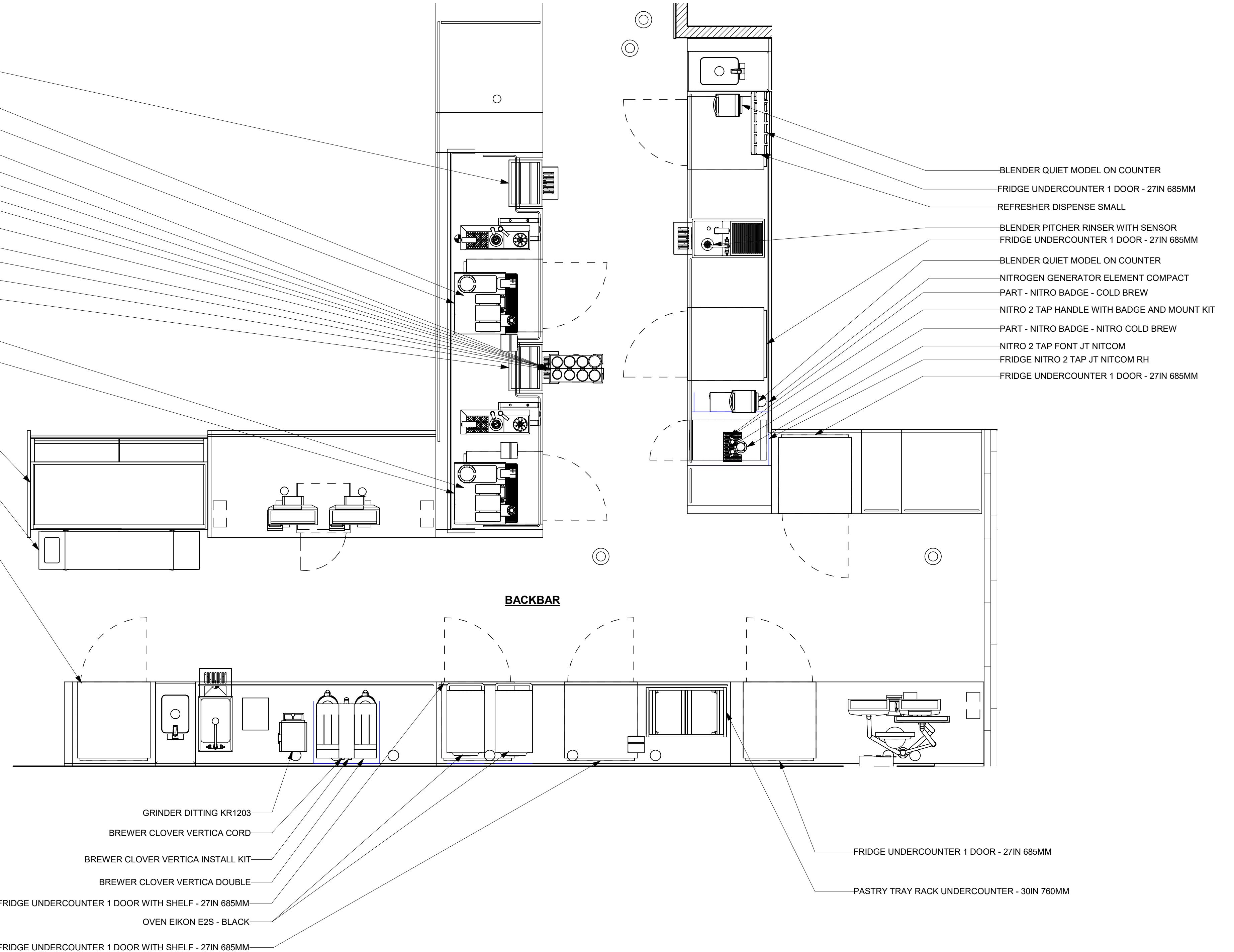
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**ENLARGED BAR PLANS**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**I102C**



1 ENLARGED BAR PLAN

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



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



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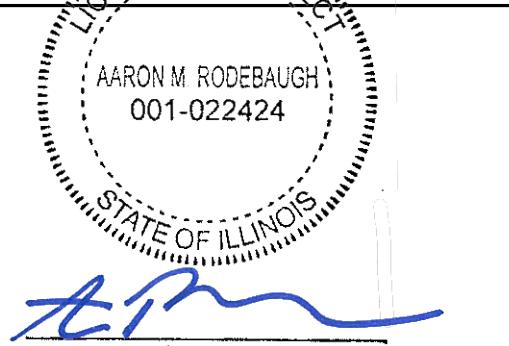
STARBUCKS TEMPLATE VERSION i2023.04.24



LIC. # - 184-007100

520 South Main Street, Suite 2331  
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GPD PROJECT NUMBER: I2023262.13



AARON M. RODEBAUGH  
001-022424

signature

01/19/2024

date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
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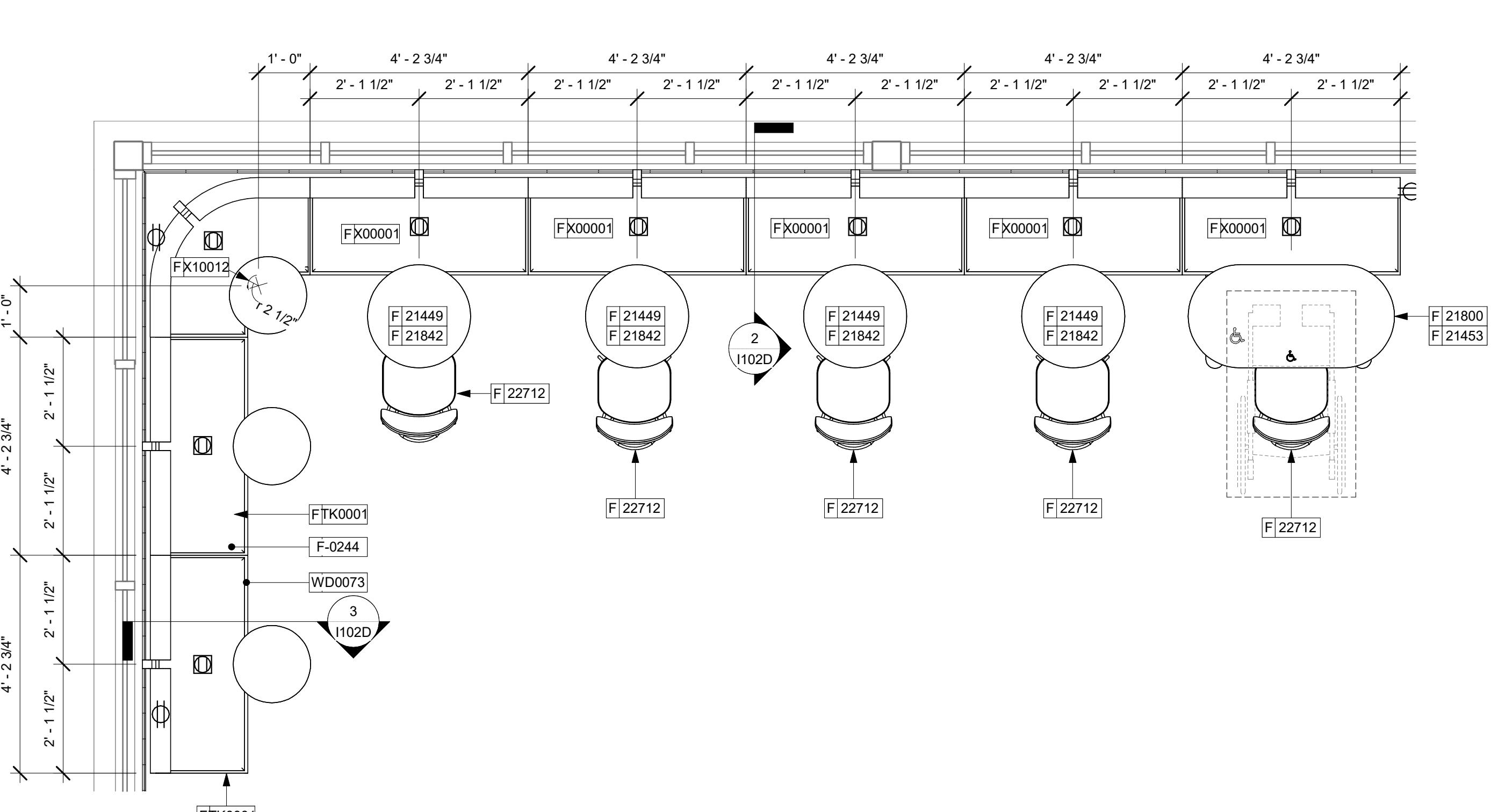
| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
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SHEET TITLE:  
**BANQUETTE DETAILS**

SCALE: AS SHOWN

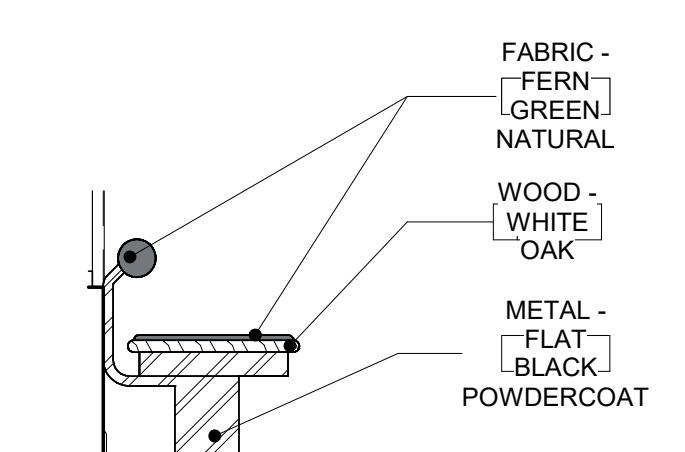
SHEET NUMBER:

I102D



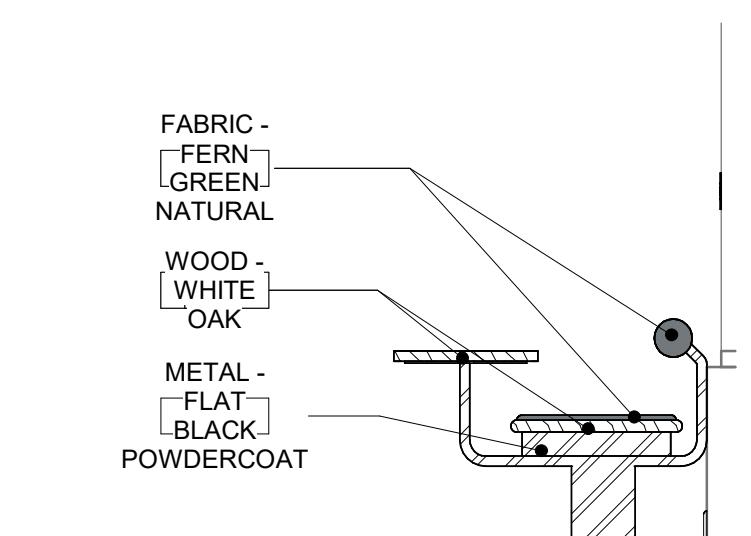
**1 BANQUETTE DETAIL**

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



**2 BANQUETTE SECTION**

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



**3 BANQUETTE WITH TABLE SECTION**

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



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LIC. # - 184-007100

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GPD PROJECT NUMBER: 023262.13



AARON M. RODEBAUGH  
001-022424  
*ATM*  
signature

01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

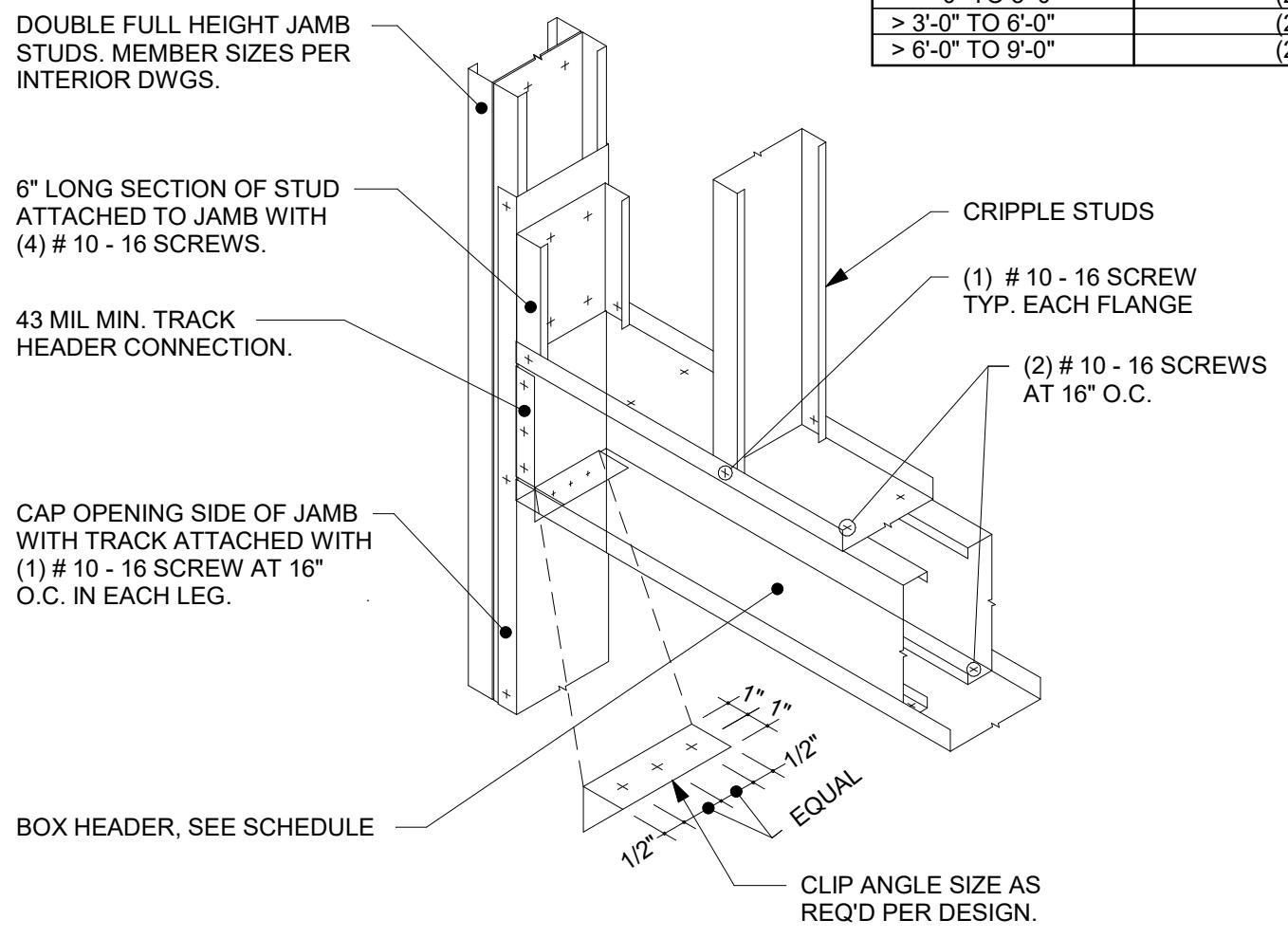
| Rev | Date | By | Description |
|-----|------|----|-------------|
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SHEET TITLE:  
**CASEWORK TRIM DETAILS**  
SCALE: AS SHOWN

SHEET NUMBER:  
**I102E**

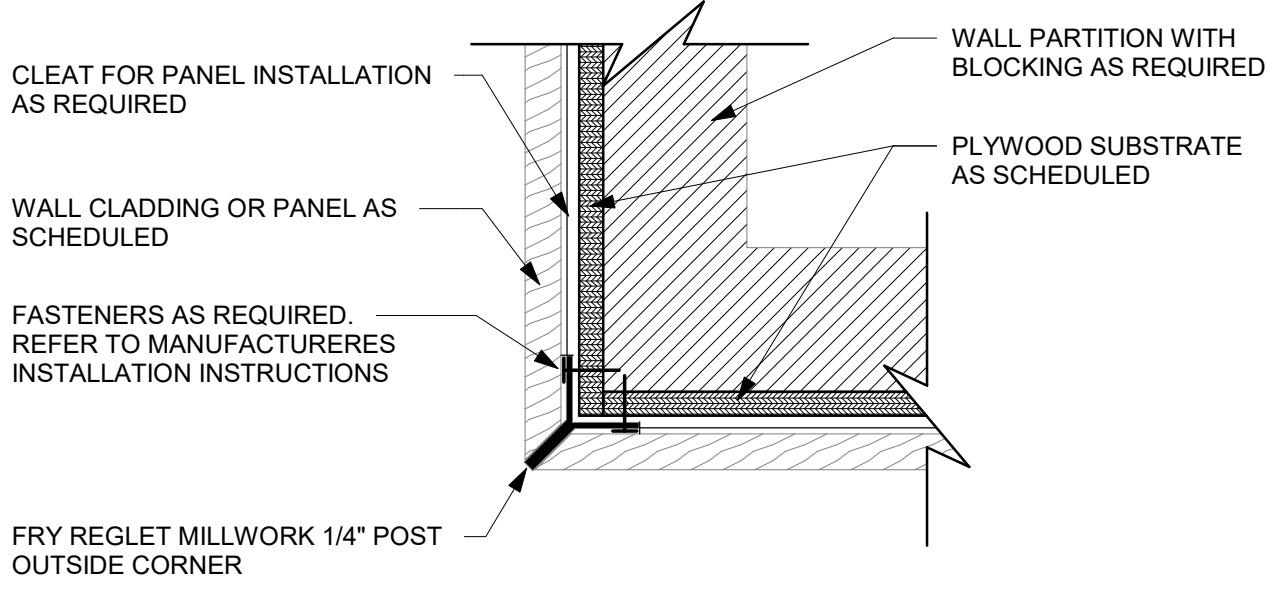
**BOX HEADER SCHEDULE**

| SPAN             | BOX HEADER MEMBERS |
|------------------|--------------------|
| 0" TO 3'-0"      | (2) 362S162-33     |
| > 3'-0" TO 6'-0" | (2) 600S162-33     |
| > 6'-0" TO 9'-0" | (2) 800S162-43     |



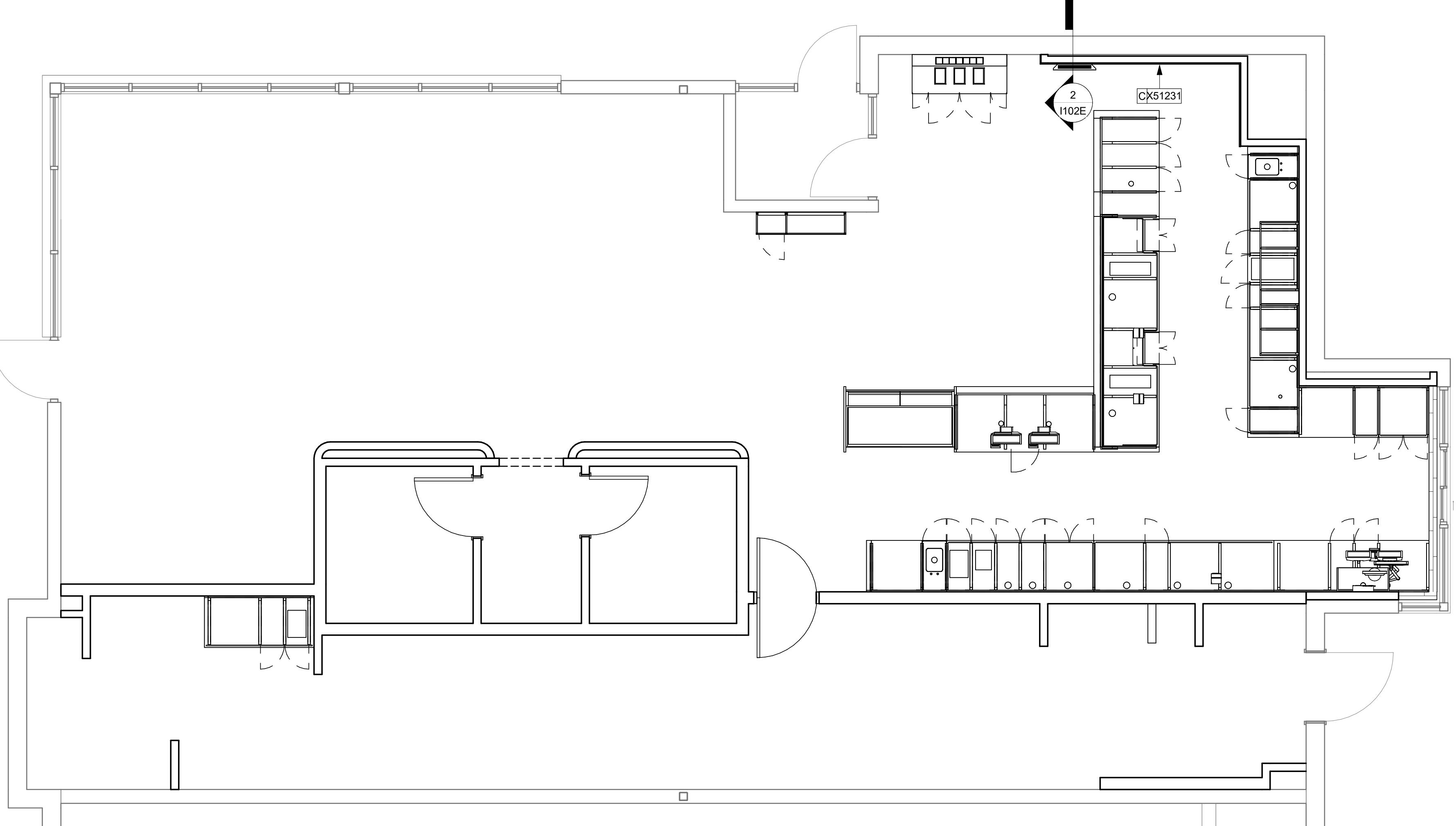
**3 TYPICAL BOXED HEADER CONNECTION**

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



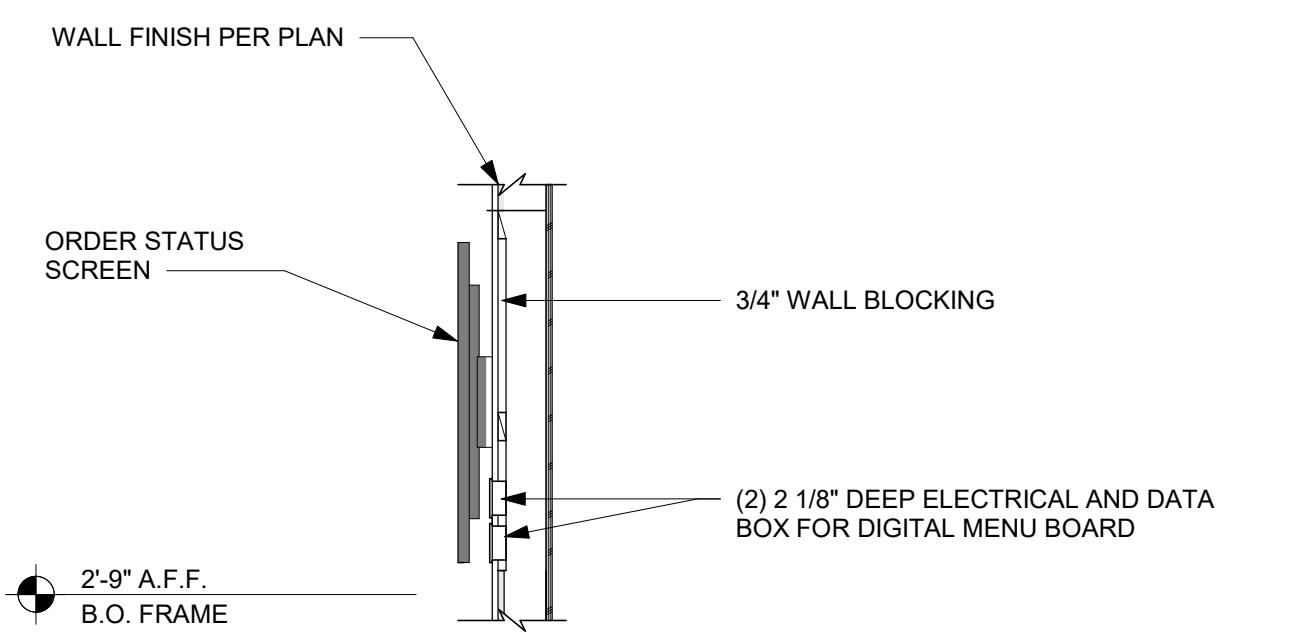
**4 Y-TRIM DETAIL - WOOD**

Scale: 3" = 1'-0"

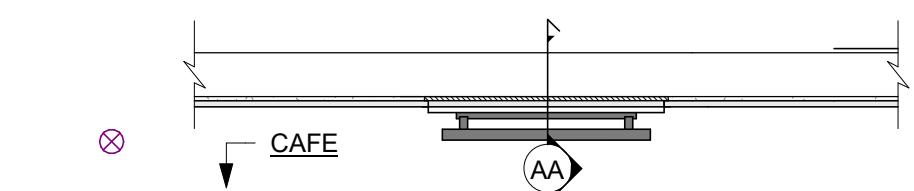


**1 CASEWORK TRIM PLAN**

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



**SECTION AA**



**PLAN VIEW**

**2 SURFACE MOUNTED DIGITAL ORDER SCREEN**

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



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GPD PROJECT NUMBER: 001-02242-13

AARON M. RODEBAUGH  
001-022424  
signature

01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143

PROJECT #: 95175-002

ISSUE DATE: 1/19/24 PERMIT SET

DESIGN MANAGER: CAMILLA WATSON

PRODUCTION DESIGNER: JO

CHECKED BY: GPD GROUP

Revision Schedule

Rev Date By Description

SHEET TITLE:  
**REFLECTED CEILING  
PLAN**

SCALE: AS SHOWN

SHEET NUMBER:

I103

## KEYED NOTES

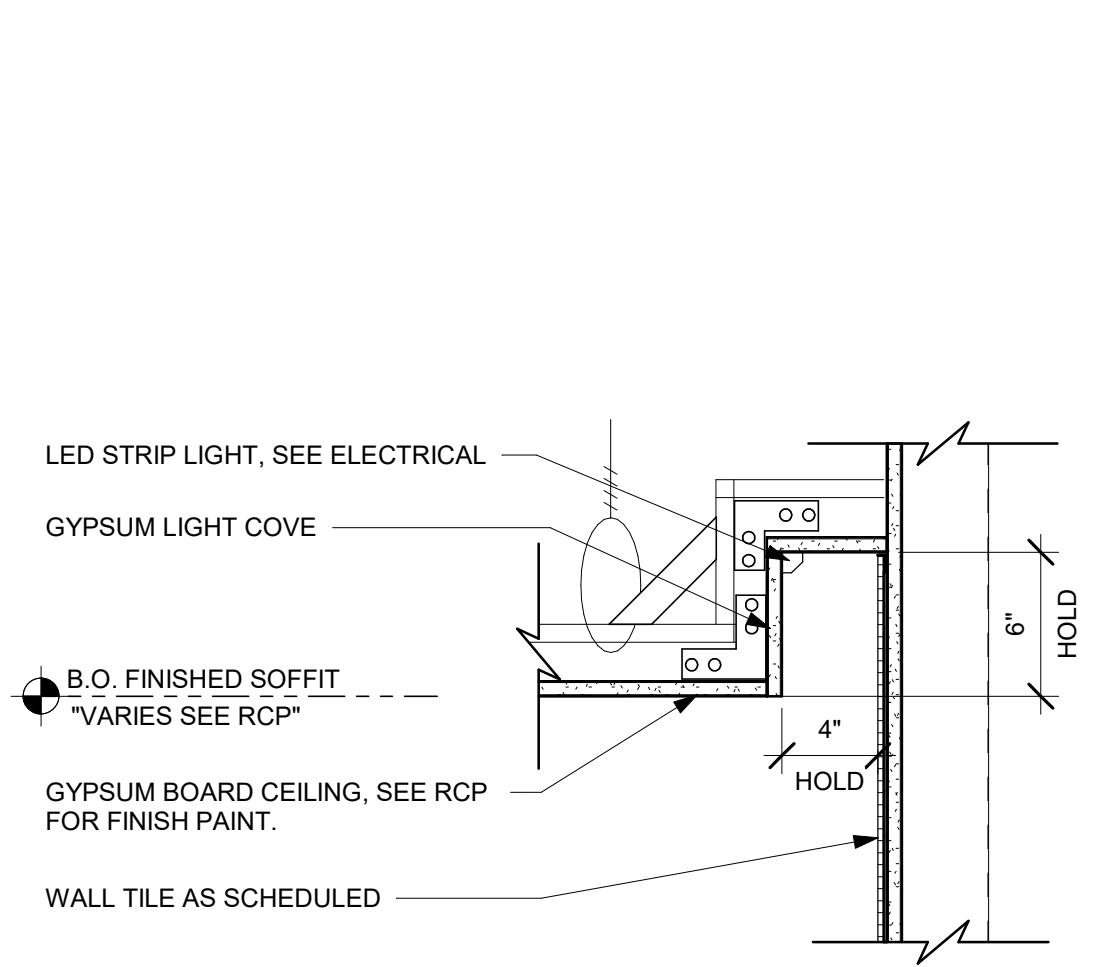
1. GWB SOFFIT WITH SMOOTH FINISH (PAINT AS SCHEDULED). PRE-ENGINEERED DRYWALL SUSPENSION SYSTEM SHALL CONSIST OF MAIN TEES AND STRAIGHT FURRING CROSS CHANNELS OR CROSS TEES, JOINED TOGETHER TO SUPPORT SCREW-ATTACHED GYPSUM PANELS, AS MANUFACTURED BY USG CORP. OR ALTERNATE. INSTALLATION SHALL BE IN STRICT ACCORDANCE W/ MANUFACTURER'S INSTRUCTIONS. SUSPEND FROM ROOF JOISTS AT SPACING NOT TO EXCEED 2'-0". PROVIDE SPLASH WIRES AS REQUIRED TO STABILIZE SYSTEM LATERALLY. PAINT DIFFUSERS TO MATCH CEILING AS REQUIRED.
2. GWB CEILING. PAINT CEILING DIFFUSERS AS INDICATED.
3. WASHABLE CEILING TILE LOCATED IN BACK OF HOUSE AND ABOVE CAFE BAR (IF APPLICABLE).
4. MOUNT DRIVE THRU CAMERA INSTALLED AT 36" TO 72" FROM DRIVE THRU WINDOW WITH CLEAR VIEW OF CUSTOMER AND DRIVE THRU POS.
5. LOCATE SECURITY HEAD UNIT AT MANAGER'S WORKSTATION.
6. OPEN TO STRUCTURE ABOVE. PAINT BOTTOM OF DECK AND TRUSSES SW7020 - BLACK FOX.
7. FURNISH AND INSTALL DOOR ACTIVATED AIR CURTAIN PER JURISDICTIONAL REQUIREMENTS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. MOUNT PENDANT SPEAKER AS CEILING PERMITS. FINISH COLOR TO BE BLACK OR PAINT TO MATCH ADJACENT FINISH.
9. MOUNT WALL SPEAKER AS CEILING PERMITS. FINISH COLOR TO BE BLACK OR PAINT TO MATCH ADJACENT FINISH.
10. SOUND ABATEMENT BAFFLES. FINISH AS INDICATED.
11. GC TO INSTALL SUSPENDED EXIT LIGHTING.
12. FULL HEIGHT WALL ABOVE SOFFIT.

## GENERAL NOTES

- A. REFERENCE LOW VOLTAGE PLAN SHEET AND ELECTRICAL DRAWINGS.
- B. LEAVE TEN (10) ADDITIONAL RETAIL CEILING TILES TO MATCH RETAIL CEILING PAINT COLOR ABOVE THE WORKROOM CEILING AT MANAGER'S DESK FOR FUTURE USE.
- C. PROVIDE GROMMET AT ACOUSTIC CEILING PENETRATIONS FOR FIXTURES OF SUPPORTS.
- D. HEATING, VENTILATING AND AIR CONDITIONING SHOWN ON THIS PLAN PROVIDED FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- E. DIFFUSERS AND RETURNS IN ACOUSTICAL CEILING TILE TO BE CENTERED IN TILE AND PAINTED TO MATCH ADJACENT FINISHES (TYP.).
- F. PAINT ALL EXPOSED HVAC DUCTS, HVAC DIFFUSERS, LIGHT TRIM RINGS, PIPING, CONDUIT AND JUNCTION BOXES THE SAME COLOR AS SPECIFIED ON SURROUNDING CEILING OR SOFFIT UNLESS OTHERWISE NOTED. TYPICAL THROUGHOUT RETAIL AREA OF STORE.
- G. PAINT SUBSTITUTIONS ARE NOT ALLOWED. USE STARBUCKS' NATIONAL ACCOUNT "COLOR CODE" WHEN ORDERING PAINTS.
- H. DATA CABLING ABOVE HEAD SHALL BE IN PLenum WHEN AVAILABLE.
- I. DATA CABLING AT EXPOSED CEILING SHALL BE INSTALLED IN METAL CONDUIT OR PER LOCAL CODE REQUIREMENT.
- J. SEE SHEET I504 FOR SPECIAL SEISMIC BRACING.

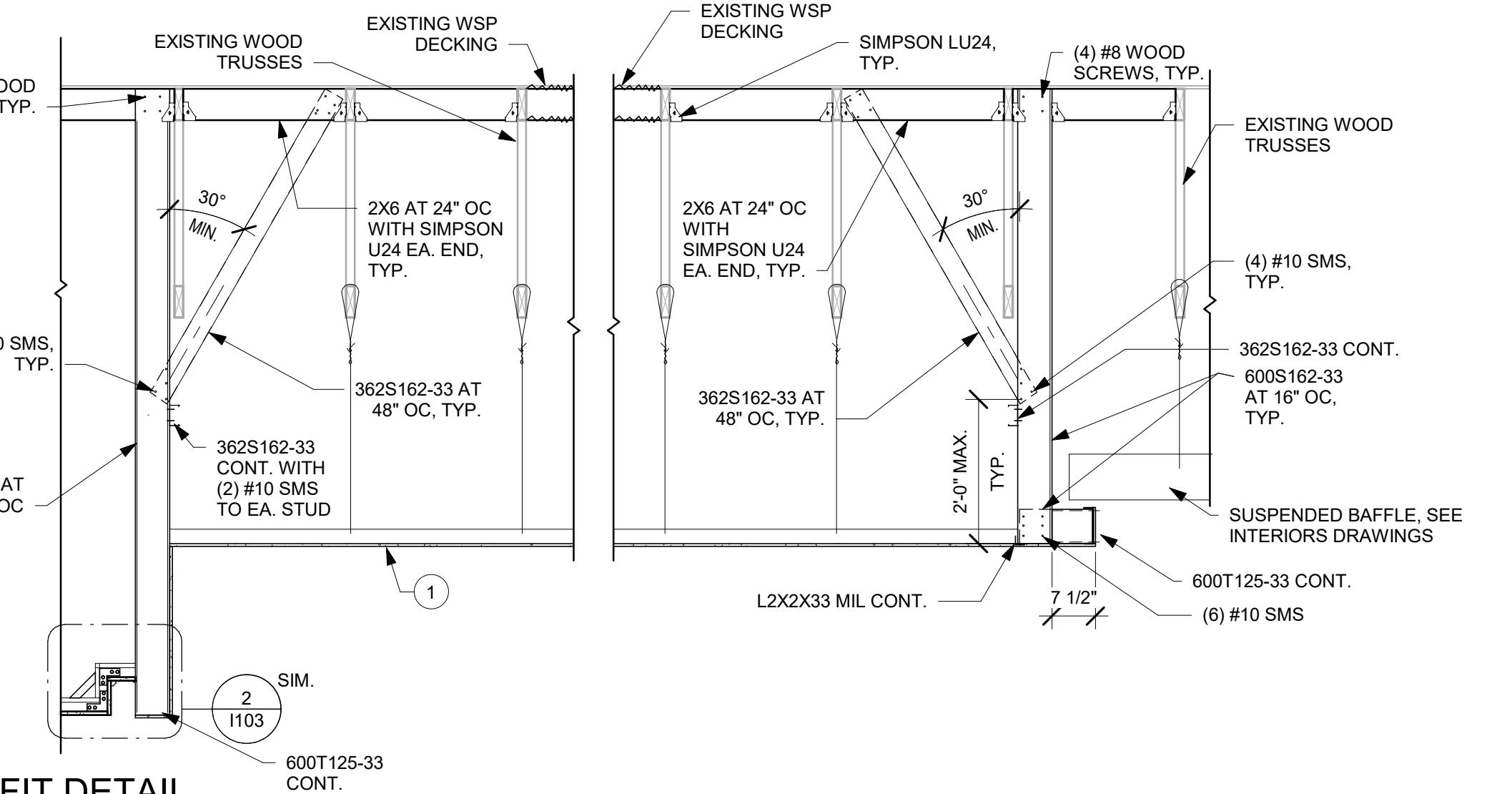
| CEILING TREATMENT SCHEDULE - "U" |        |                               |          |          |   |
|----------------------------------|--------|-------------------------------|----------|----------|---|
| DESIGN ID                        | AREA   | DESCRIPTION                   | FURN. BY | INST. BY | COMMENTS  |
| <b>CEILING</b>                   |        |                               |          |          |   |
| 19734                            | 600 SF | ACT - ULTIMA - 2X4FT 61X122CM | GC       | GC       | ULTIMA HEALTH ZONE, 15/16 SQUARE LAY-IN. COORDINATING GRIDS 15/16" OC. EXPOSED GRID TO BE PAINTED XXXX. FOR ORDERING CONTACT DEPICKENS AT DLPICKENS@ARMSTRONGCEILINGS.COM. PH: 480-695-9053 |

| PAINT SCHEDULE |                                     |     |          |          |   |
|----------------|-------------------------------------|-----|----------|----------|---|
| DESIGN ID      | DESCRIPTION                         | LRV | FURN. BY | INST. BY | COMMENTS  |
| 20441          | SW7031 MEGA GREIGE, OR EQUIVALENT   | 37  | GC       | GC       | SW USE PRIMER CP-1; NCS - S 3005-Y50R; AKZO NOBEL - 20YY 37/094 |
| 20449          | SW7048 URBANE BRONZE, OR EQUIVALENT | 8   | GC       | GC       |   |
| X70690         | SW7069 - IRON ORE                   | 6   | GC       | GC       |   |
| X90870         | SW9087 SMOKY BEIGE                  | 40  | GC       | GC       |   |



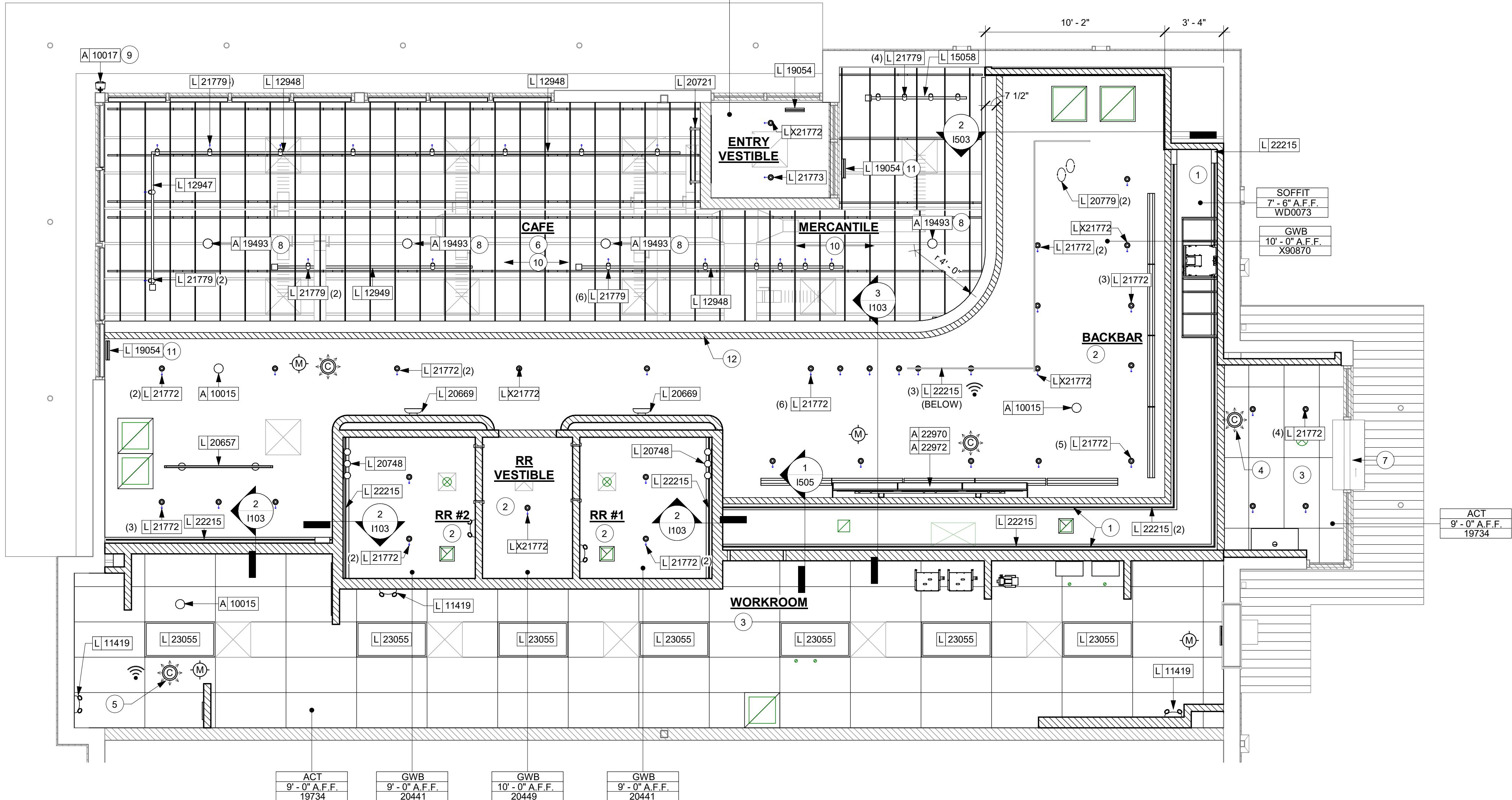
③ SOFFIT DETAIL

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



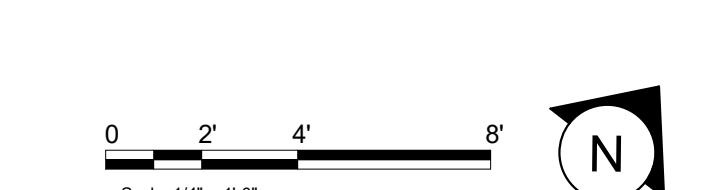
② LIGHT COVE DETAIL

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



## LEGEND

- ELEVATION DATUM
- TRACK LIGHTING
- STRIP LIGHTING
- PENDANT LIGHT
- RECESSED CAN LIGHT
- TROFFER
- WALL SCONCE
- EXIT SECURITY LIGHT
- MUSIC SYSTEM WALL MOUNTED SPEAKER
- MUSIC SYSTEM PENDANT SPEAKER
- WIFI ACCESS POINT (WAP)
- 360° SECURITY CAMERA
- SUPPLY AIR
- RETURN AIR
- PIR MOTION SENSOR



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

**INTERIOR LIGHTING PLAN**

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

**LIGHTING FIXTURE SCHEDULE & LEGEND - "L"**

| SYMBOL              | DESIGN ID | COUNT | DESCRIPTION  | FURN. BY | INST. BY | BULB                                  | COMMENTS  |
|---------------------|-----------|-------|--|----------|----------|---------------------------------------|---|
| CL1                 | 3         | 1     | CURRENT LIMITER FOR R SERIES TRACK - MINI END FEED COLOR TO MATCH TRACK                  | SB       | GC       |                                       | JUNO TCL1<br>2 AMP CURRENT LIMITER - WHITE  |
| CL2                 | 1         | 1     | CURRENT LIMITER FOR R SERIES TRACK - MINI END FEED COLOR TO MATCH TRACK                  | SB       | GC       |                                       | JUNO TCL2<br>2 AMP CURRENT LIMITER - WHITE  |
| PP                  | 3         | 1     | POWER PACK AND DIMMING DRIVER  | SB       | GC       |                                       | PHILIPS ADVANCE #LED-INTA-0024V-4I-F-O WITH PHILIPS #913710B30902 0-10V ELECTRONIC DIMMING DRIVER |
| <b>EXIT</b>         |           |       |  |          |          |                                       |   |
|                     | 11190     | 3     | EXIT - EMERGENCY LIGHT - WHITE   |          |          |                                       | LITHONIA #AFN   |
|                     | 11419     | 5     | EMERGENCY LIGHT DOUBLE - BLACK   | SB       | GC       | LED 6W LOW ENERGY OR EQUAL            | JUNO #N1BLHO  |
|                     | 19054     | 4     | LED EXIT SIGN - ALUMINUM AND GREEN   | SB       | GC       | INTEGRATED LED                        |   |
| <b>PENDANT</b>      |           |       |  |          |          |                                       |   |
| —                   | 20657     | 1     | PENDANT - ALEXALLEN STUDIO 2X4 - 6FT 183CM - BLACK                                       | SB       | GC       | INTEGRATED LED                        |   |
| ○                   | 20779     | 2     | PENDANT - RBW GALA - BLACK   | SB       | GC       | INTEGRATED LED                        |   |
| <b>RECESSED CAN</b> |           |       |  |          |          |                                       |   |
| △                   | 21772     | 30    | CAN - LED ADJUSTABLE RECESSED - 3IN 75MM - WHITE - 800LM FLOOD                           | SB       | GC       | INTEGRATED LED                        |   |
| △                   | 21773     | 1     | CAN - LED ADJUSTABLE RECESSED - 3IN 75MM - BLACK - 700LM WF                              | SB       | GC       | INTEGRATED LED                        |   |
| ○                   | X21772    | 6     | CAN - LED ADJUSTABLE RECESSED - 3IN 75MM - WHITE - 800LM FLOOD WITH 90MIN BATTERY BACKUP | SB       | GC       | INTEGRATED LED                        | PROVIDE FIXTURE WITH 90 MINEMERGEBCY BATTERY BACKUP OPTION  |
| <b>SCONCE</b>       |           |       |  |          |          |                                       |   |
| △                   | 20669     | 2     | SCONCE - BASELINE MOON - COPPER  | SB       | GC       | AS PACKAGED: 1X LED A19 1.5W E26 BASE |   |
| ■                   | 20721     | 1     | SCONCE - JUNIPER THIN - 36IN 915MM - BLACK OXIDE   | SB       | GC       | INTEGRATED LED                        |   |
| ■                   | 20748     | 2     | SCONCE - KUZCO PLUTO TRIPLE - CHROME   | SB       | GC       | INTEGRATED LED                        |   |
| <b>STRIP</b>        |           |       |  |          |          |                                       |   |
| —                   | 22215     | 10    | STRIP - LED TAPE IN HOUSING - VARIABLE LENGTH - BLACK - 350LM PER FT                     | SB       | GC       | INTEGRATED LED                        | FIELD TRIMMABLE TO 0.9IN LENGTHS  |
| <b>TRACK</b>        |           |       |  |          |          |                                       |   |
| —                   | 12947     | 1     | TRACK - WITH CONNECTORS - 8FT 244CM - BLACK - 1 CIRCUIT                                  | SB       | GC       |                                       |   |
| —                   | 12948     | 3     | TRACK - WITH CONNECTORS - 16FT 488CM - BLACK - 1 CIRCUIT                                 | SB       | GC       |                                       |   |
| —                   | 12949     | 1     | TRACK - WITH CONNECTORS - 12FT 365CM - BLACK - 1 CIRCUIT                                 | SB       | GC       |                                       |   |
| —                   | 15058     | 1     | TRACK - WITH CONNECTORS - 6FT 183CM - BLACK - 1 CIRCUIT                                  | SB       | GC       |                                       |   |
| —                   | 21779     | 22    | TRACK - LED FIXTURE WITH SNOOT - 3IN 75MM - BLACK - 1100LM FLOOD                         | SB       | GC       | INTEGRATED LED                        |   |
| <b>TROFFER</b>      |           |       |  |          |          |                                       |   |
|                     | 23055     | 7     | TROFFER - LED RECESSED - 24X48IN 600X1200MM - WHITE - 2700K                              | SB       | GC       | INTEGRATED LED                        |   |

**LIGHTING PLAN NOTES**

- GENERAL CONTRACTOR TO PROVIDE AND LOCATE SPRINKLERS PER LOCAL CODES. CONTACT STARBUCKS CONSTRUCTION MANAGER IF DESIGN INTENT IS AFFECTED.
- WHERE ACOUSTICAL CEILING MEETS WALL, PROVIDE ANGLE WALL MOLDING FOR REVEAL. MATCH CEILING GRID COLOR WHEN APPLICABLE.
- LEAVE (10) ADDITIONAL RETAIL CEILING TILES, TO MATCH RETAIL CEILING PAINT COLOR, ABOVE THE WORKROOM CEILING AT MANAGER'S DESK FOR FUTURE USE.
- PROVIDE GROMMET AT ALL CEILING PENETRATIONS FOR FIXTURES OR SUPPORTS.
- HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) SHOWN FOR DESIGN INTENT ONLY. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- DIFFUSERS AND RETURNS AT BACKBAR IN ACOUSTICAL CEILING TILE TO BE CENTERED IN TILE, PAINTED TO MATCH ADJACENT FINISHES, TYPICAL.
- PAINT ALL EXPOSED HVAC DUCTS, HVAC DIFFUSERS, RECESSED SPEAKERS, LIGHT TRIM RINGS, PIPING, CONDUIT AND JUNCTION BOXES THE SAME COLOR AS SPECIFIED ON SURROUNDING CEILING OR SOFFIT UNLESS NOTED OTHERWISE. TYPICAL THROUGHOUT RETAIL AREA OF STORE.
- PAINT SUBSTITUTIONS ARE NOT ALLOWED. USE STARBUCKS' NATIONAL ACCOUNT "COLOR CODE" WHEN ORDERING PAINTS.
- SEE LIGHTING DESIGN PLAN FOR LIGHTING SCHEDULE, FIXTURE TYPES AND DIMENSIONED LOCATIONS.
- ADJUST FOCUS OF ALL TRACK AND RECESSED DIRECTIONAL LIGHTING TO FULLY ILLUMINATE ALL ARTWORK, MENU BOARDS, AND MERCHANDISE BAYS.
- ALL FIXTURES IN FOOD PREPARATION AREA SHALL HAVE SHATTERPROOF LAMPS IF THE FIXTURE IS NOT LENSED.
- CENTER EMERGENCY/EXIT LIGHTS ABOVE DOORS, UON.

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**GPD GROUP, INC.\***  
LIC. # - 184-007100

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GPD PROJECT NUMBER ARCH/2023262.13

AARON M. RODEBAUGH  
001-022424  
STATE OF ILLINOIS  
signature  
03/07/24  
date  
expires 11-30-2024

**SHEET NOTES**

- LIGHT COVE
- OPEN STRUCTURE ABOVE
- EXPOSED STRUCTURE, PIPING, AND DUCTWORK TO BE PAINTED SW7020 - BLACK FOX
- UNDERCOUNTER STRIP LIGHT BELOW
- START CEILING GRID POINT

**PROJECT NAME:**  
**RANDALL AND ACKMAN**

**PROJECT ADDRESS:**  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

**STORE #:** 70143  
**PROJECT #:** 95175-002  
**ISSUE DATE:** 3/7/24 REV 1  
**DESIGN MANAGER:** CAMILLA WATSON  
**PRODUCTION DESIGNER:** JO  
**CHECKED BY:** GPD GROUP

**Revision Schedule**

| Rev | Date   | By | Description |
|-----|--------|----|-------------|
| 1   | 3/7/24 |    | Revision 1  |

**SHEET TITLE:**  
**LIGHTING PLAN**

**SCALE:** AS SHOWN

**SHEET NUMBER:**  
**I103B**



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STARBUCKS TEMPLATE VERSION i2023.04.24

**GPD GROUP, INC.®**  
LIC. # 184-007100  
520 South Main Street, Suite 2351  
Akron, OH 44311  
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GPD PROJECT NUMBER ARCH/2023262.13

AARON M. RODEBAUGH  
001-022424  
*ATM*  
signature  
03/07/24  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

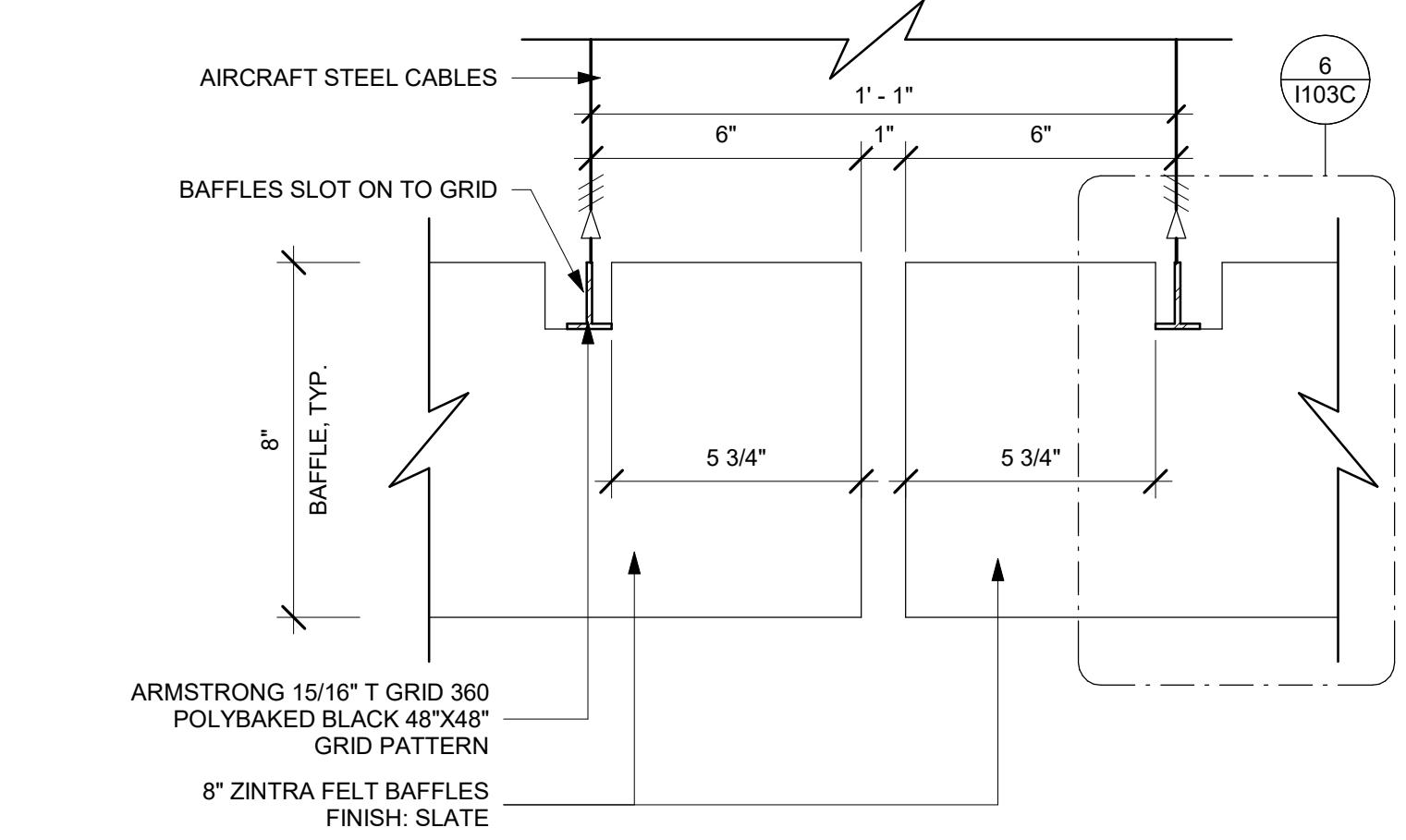
STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |        |    |             |
|-------------------|--------|----|-------------|
| Rev               | Date   | By | Description |
| 1                 | 3/7/24 |    | Revision 1  |
|                   |        |    |             |
|                   |        |    |             |
|                   |        |    |             |
|                   |        |    |             |

SHEET TITLE:  
**BAFFLE SYSTEM**

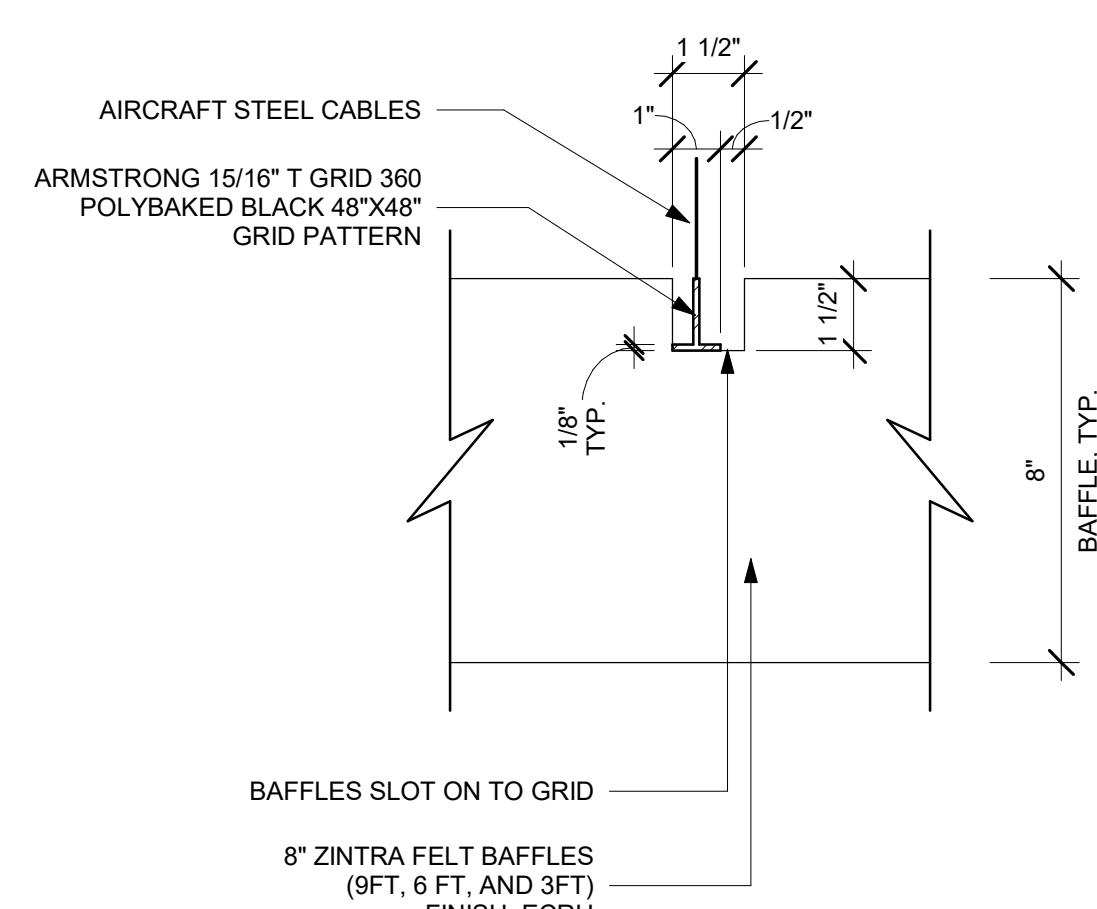
SCALE: AS SHOWN

SHEET NUMBER:  
**I103C**



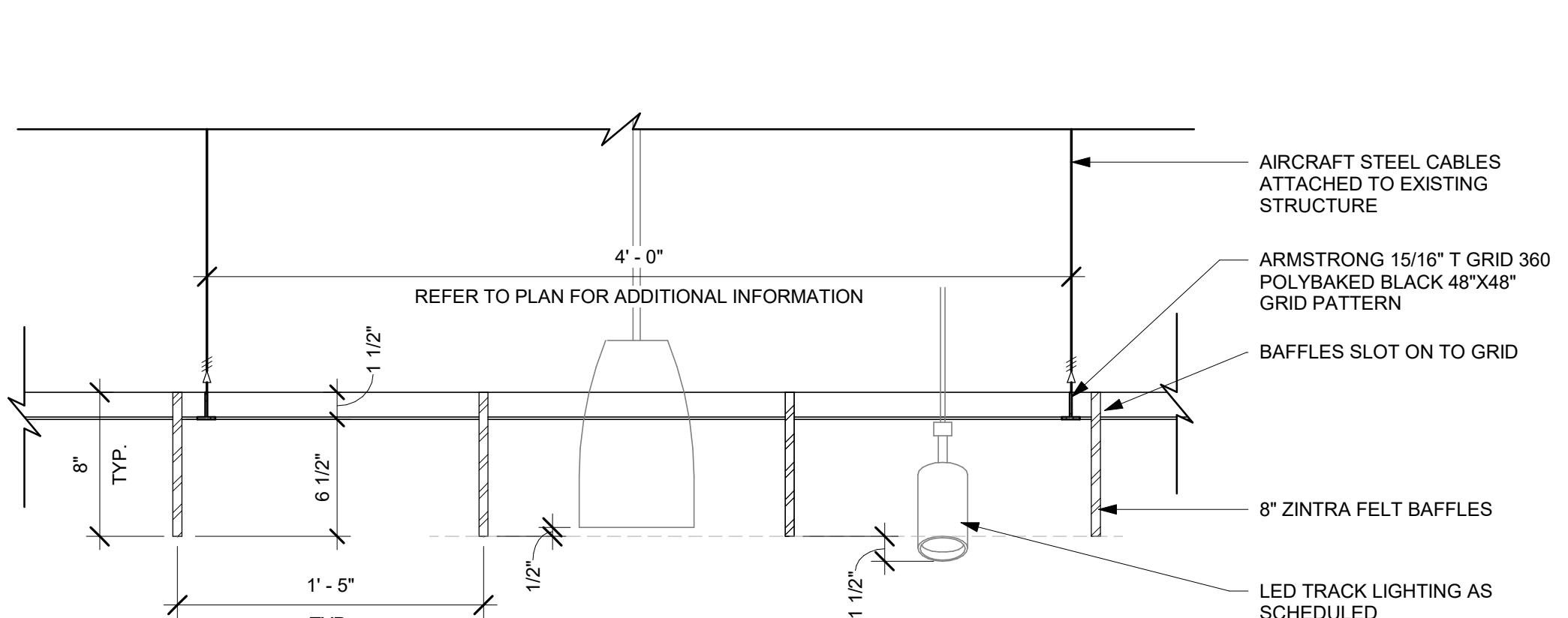
⑤ BAFFLE SEAM

Scale: 3" = 1'-0"



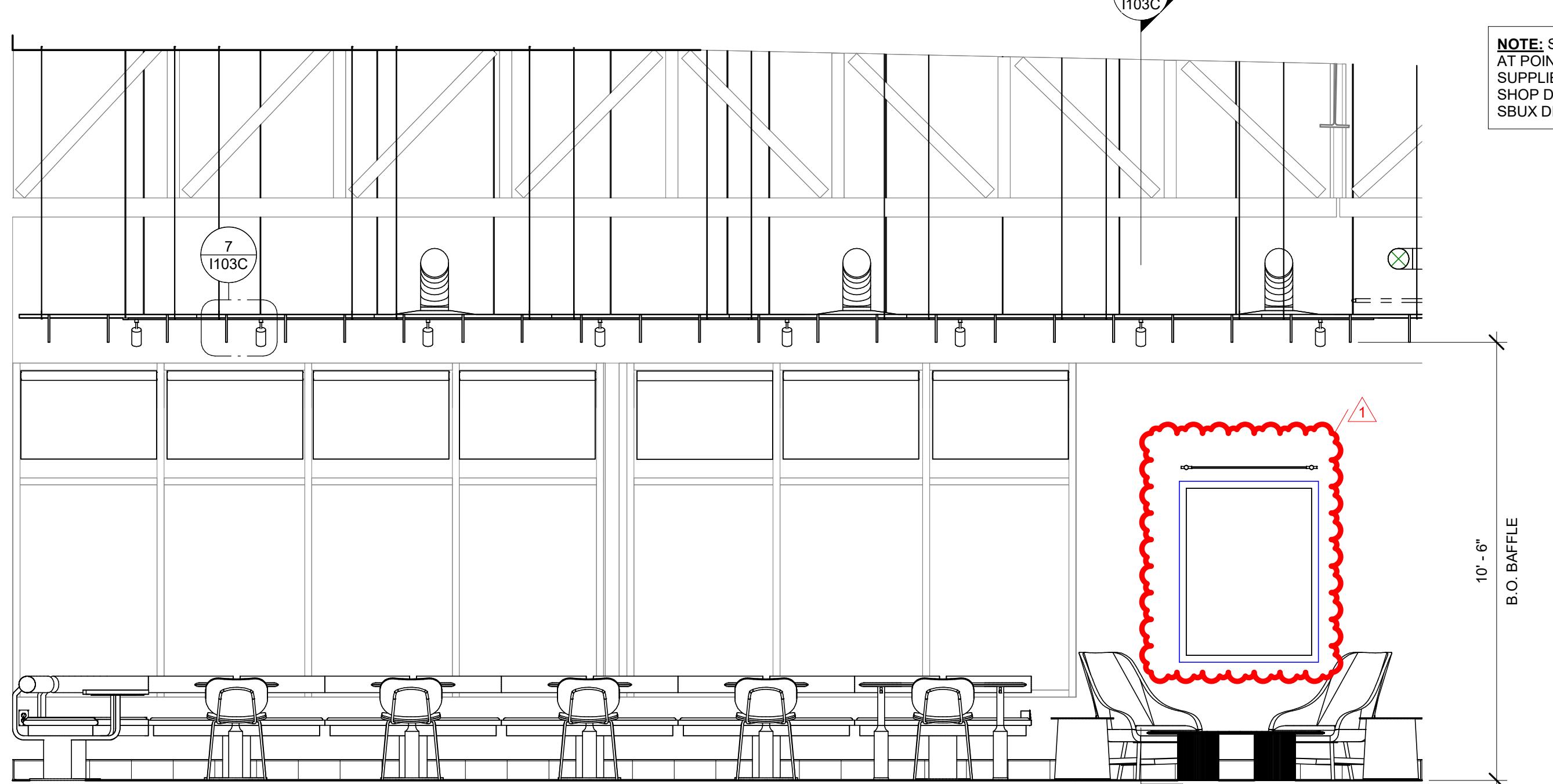
⑥ BAFFLE TO GRID INTERLOCKING

Scale: 3" = 1'-0"



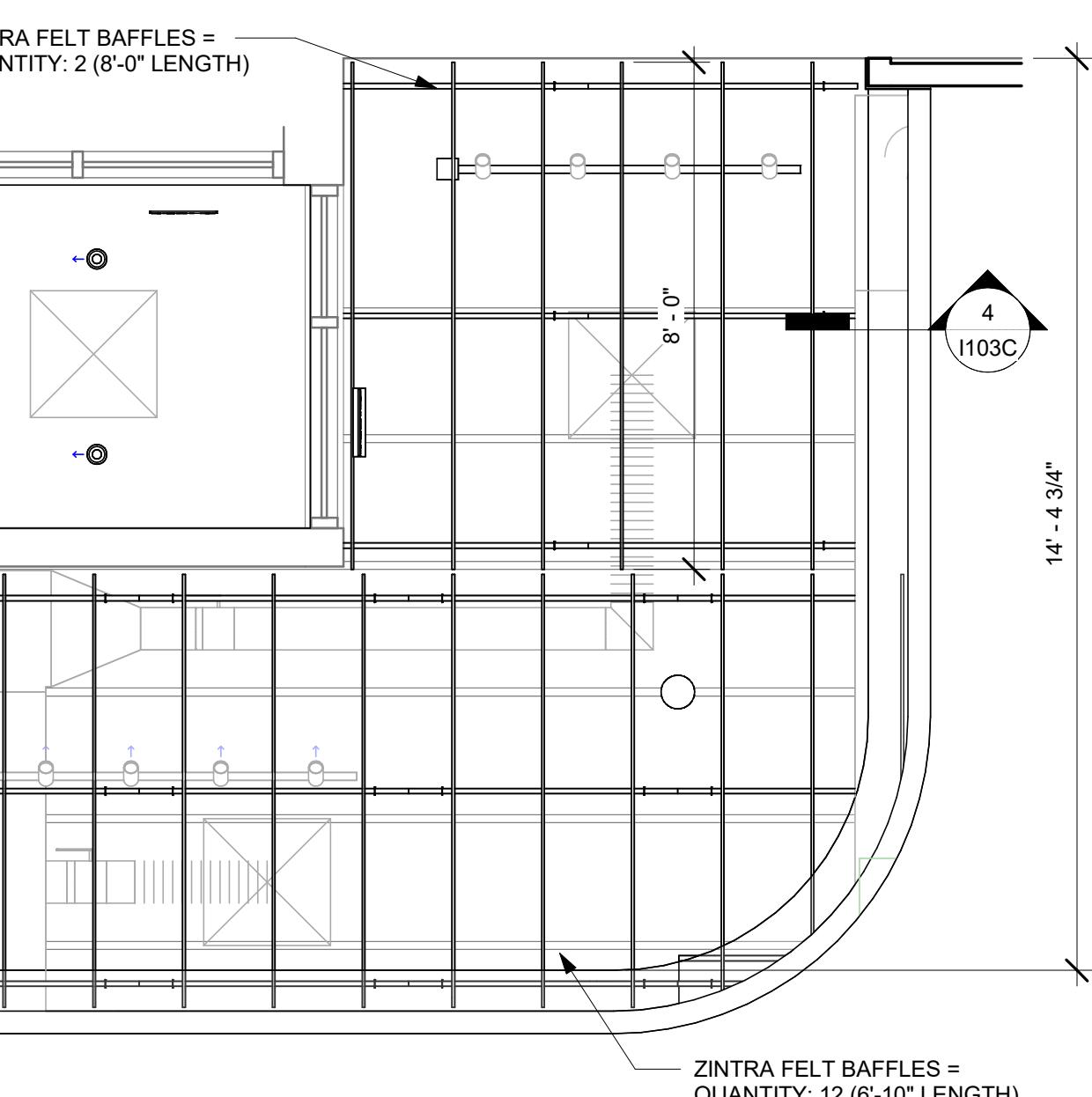
⑦ BAFFLE CROSS SECTION

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



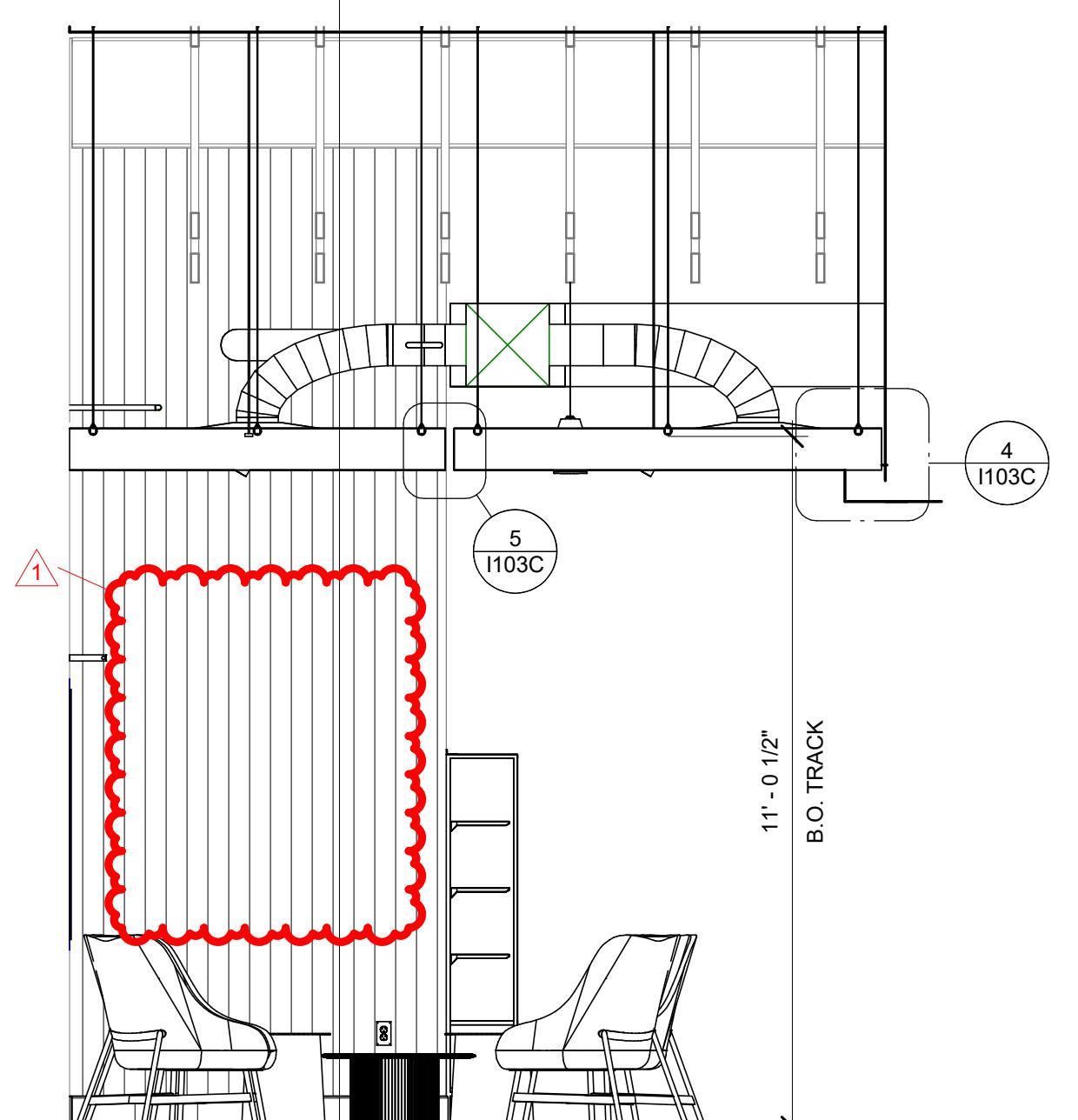
③ BAFFLE SYSTEM SECTION 2

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



④ BAFFLE DETAIL

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



② BAFFLE SYSTEM SECTION 1

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

① REFLECTED CEILING PLAN - BAFFLE CEILING SYSTEM

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

| FLOOR TREATMENT SCHEDULE - "T" |         |  |          |          |   |
|--------------------------------|---------|--|----------|----------|---|
| DESIGN ID                      | AREA    | DESCRIPTION  | FURN. BY | INST. BY | COMMENTS  |
| PLASTIC                        |         |  |          |          |   |
| 19795                          | 1105 SF | POLYVINYL FLOOR TILE - ECO-GRIP - PEWTER           | GC       | GC       | GC TO PROCUER FROM ALLIED INDUSTRIES  |
| TILE                           |         |  |          |          |   |
| 20230                          | 1166 SF | TILE - ICOCCI - GRAPHITE - 24X24IN 600X600MM       | SB       | GC       | GROUT: MAPEI - 47 CHARCOAL, OR EQUAL  |
| WALK OFF MAT                   |         |  |          |          |   |
| 19288                          | 53 SF   | WALK OFF MAT - HELIX Z1 - BLACK - 12X9IN 305X230MM | SB       | GC       | GC TO INSTALL TAPERED ALUM. FRAME (TAPED) - ITEM #CSMFALTAM - #8 POLY. SCREW ANCHOR (9/16") - # 97065A220 |

| WALL BASE SCHEDULE - "B" |                |   |          |          |                                       |
|--------------------------|----------------|---|----------|----------|---------------------------------------|
| DESIGN ID                | LENGTH         | DESCRIPTION                             | FURN. BY | INST. BY | COMMENTS                              |
| TILE BASE                |                |   |          |          |                                       |
| 11403                    | 179' - 7 3/4"  | TILE BASE - NERO - 6X12IN 150X300MM     | SB       | GC       | GROUT: MAPEI - 10 BLACK, OR EQUAL     |
| 19795                    | 280' - 11 1/4" | POLYVINYL FLOOR TILE - ECOGRIP - PEWTER | GC       | GC       |                                       |
| X2110                    | 55' - 4"       | SCHLUTER DILEX-AHK                      | GC       | GC       | FINISH: AE - SATIN ANODIZED ALUMINUM. |

### KEYED NOTES

1. TILE START POINT WHERE INDICATED.
2. ALIGN TILE TRANSITION WITH FACE OF ADJACENT WALL/SURFACE WHERE INDICATED.
3. FLOOR SINK LOCATION. SEE BUILDING FLOOR PENETRATION PLAN ON SHEET A102 AND PLUMBING FOR ADDITIONAL INFORMATION.
4. RECESSED WALK-OFF MAT AT ENTRY. SEE INTERIOR DETAIL SHEETS FOR TRANSITION.
5. MOP SINK WHERE INDICATED. SEE PLUMBING PLANS FOR MORE INFORMATION.

### GENERAL NOTES

- A. WORKROOM TO BE FINISHED PER LOCAL CODE REQUIREMENTS.
- B. FLOORS, WALLS AND CEILING FINISHES IN FOOD PREPARATION AREAS SHALL BE SMOOTH, NON-TOXIC, NON-ABSORBENT, DURABLE AND EASILY CLEANABLE. PAINT SHALL BE WASHABLE; SEMI-GLOSS OR HIGH-GLOSS FINISH.
- C. STARBUCKS TO SUPPLY FLOORING AND BASE FOR FRONT AND BACK OF HOUSE AS NOTED IN SCHEDULES. GENERAL CONTRACTOR TO INSTALL. GENERAL CONTRACTOR TO SUPPLY WORKROOM TILE AND BASE AND INSTALL. GENERAL CONTRACTOR TO SUPPLY AND INSTALL MORTAR, ADHESIVE, AND GROUT. GENERAL CONTRACTOR TO INSPECT ALL TILES AND REJECT DAMAGED OR SUBSTANDARD TILES PRIOR TO INSTALLATION.
- D. ALIGN TILE TRANSITIONS ON WHOLE TILES AS SHOWN.

- E. ALL FLOOR AND WALL JUNCTIONS IN STORAGE AND FOOD PREPARATION AREAS SHALL HAVE A 6" COVED BASE.



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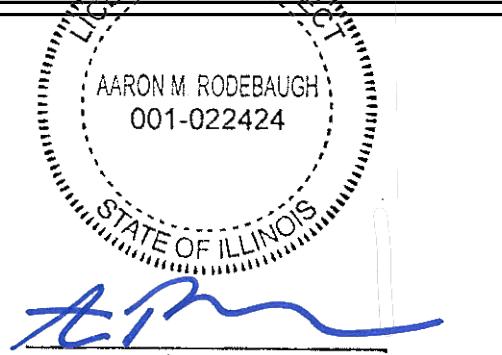
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STARBUCKS TEMPLATE VERSION i2023.04.24



520 South Main Street, Suite 2351 Akron, OH 44311  
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GPD PROJECT NUMBER: 0123262.13



01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

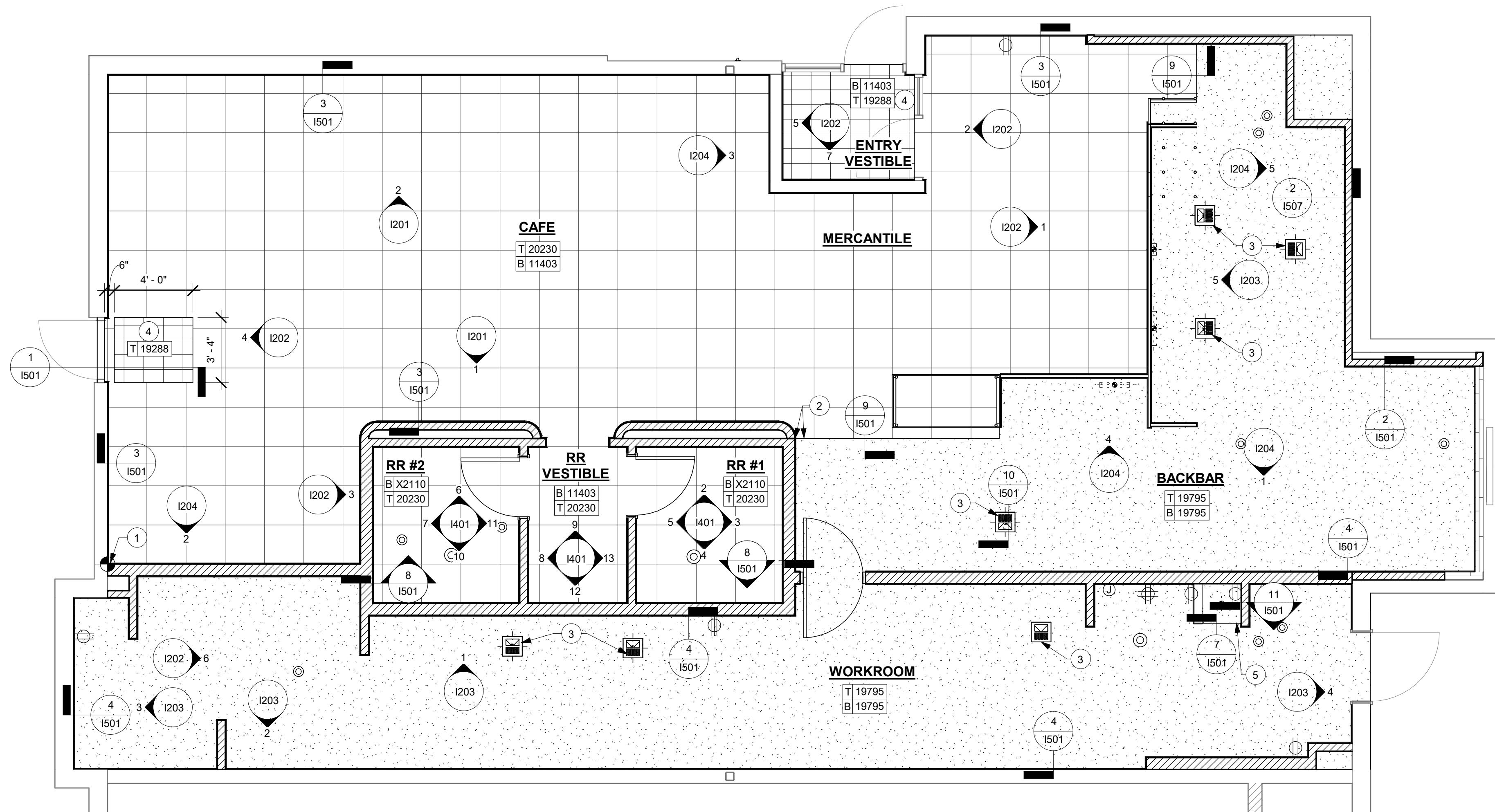
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**FLOOR FINISH PLAN**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**1104**





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GPD PROJECT NUMBER: ARCH/2023262.13

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PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |        |    |             |
|-------------------|--------|----|-------------|
| Rev               | Date   | By | Description |
| 1                 | 3/7/24 |    | Revision 1  |

SHEET TITLE:  
**INTERIOR FINISH ELEVATIONS**  
SCALE: AS SHOWN

SHEET NUMBER:  
I201

## KEYED NOTES

- PENDANT LIGHT FIXTURE (SEE REFLECTED CEILING PLAN ON SHEET I103 AND LIGHTING PLAN ON SHEET E102 FOR ADDITIONAL INFORMATION).
- GC TO INSTALL EXIT SIGN SUSPENDED.
- TEMPERATURE & HUMIDITY SENSOR. SEE MECHANICAL FOR MORE INFORMATION.

## GENERAL NOTES

- FOR GRAPHICS SCHEDULE, REFER TO THE FURNITURE, FIXTURES, AND EQUIPMENT (FF & E) SCHEDULES ON SHEET I601.
- REFER TO MANUFACTURER'S INSTRUCTIONS INCLUDED WITH ARTWORK/GRAFICS FOR PROPER INSTALLATION.
- CHANGE PAINT COLOR ONLY AT INSIDE CORNERS UNLESS OTHERWISE INDICATED.
- PAINT FINISHES SHALL BE APPLIED AS FOLLOWS, UNLESS NOTED OTHERWISE:
  - WOODS AND METAL SURFACES SHALL BE SEMI-GLOSS OR EQUAL.
  - ACCENT AND TRIM PAINTS TO BE SEMI-GLOSS OR EQUAL.
    - WALL AND CEILING PAINTS TO BE EGGSHELL OR EQUAL.
    - PAINTS IN BOH, RESTROOM(S) OR CAFE BAR SHALL BE SEMI-GLOSS OR EQUAL.
- PAINT SUBSTITUTIONS ARE NOT ALLOWED. USE STARBUCKS NATIONAL ACCOUNT COLOR CODE WHEN ORDERING PAINTS.
- FLOORS, WALLS AND CEILING FINISHES IN FOOD PREPARATION AREAS SHALL BE SMOOTH, NON-TOXIC, NON-ABSORBENT, DURABLE AND EASILY CLEANABLE. PAINT SHALL BE WASHABLE; SEMI-GLOSS OR HIGH GLOSS FINISH.
- ALL WOOD SURFACES (DOORS, TRIM, SHELVES, CABINETRY) SHALL BE SEALED.
- REFER TO CASEWORK FINISH SCHEDULE ON THE CASEWORK FINISH PLAN ON SHEET I102 FOR CASEWORK FINISH MATERIAL INFORMATION.

## LEGEND

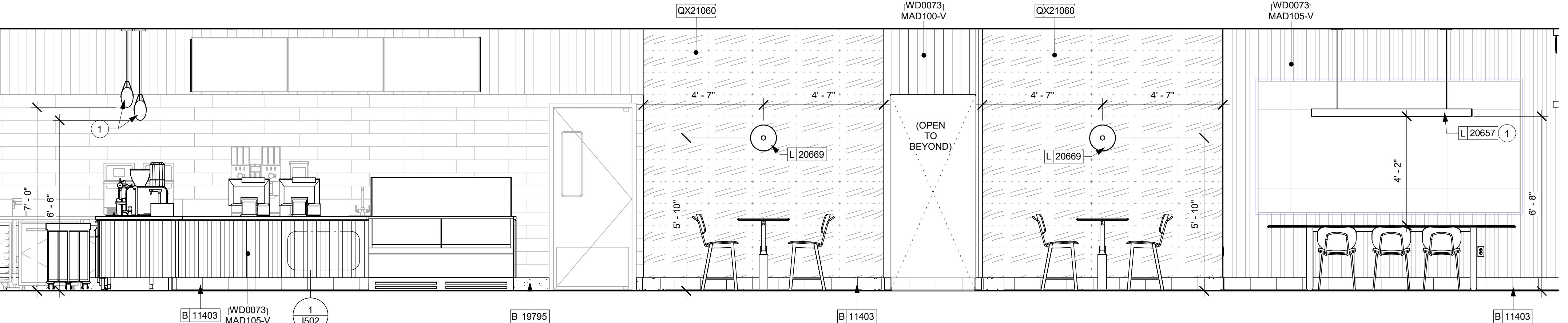
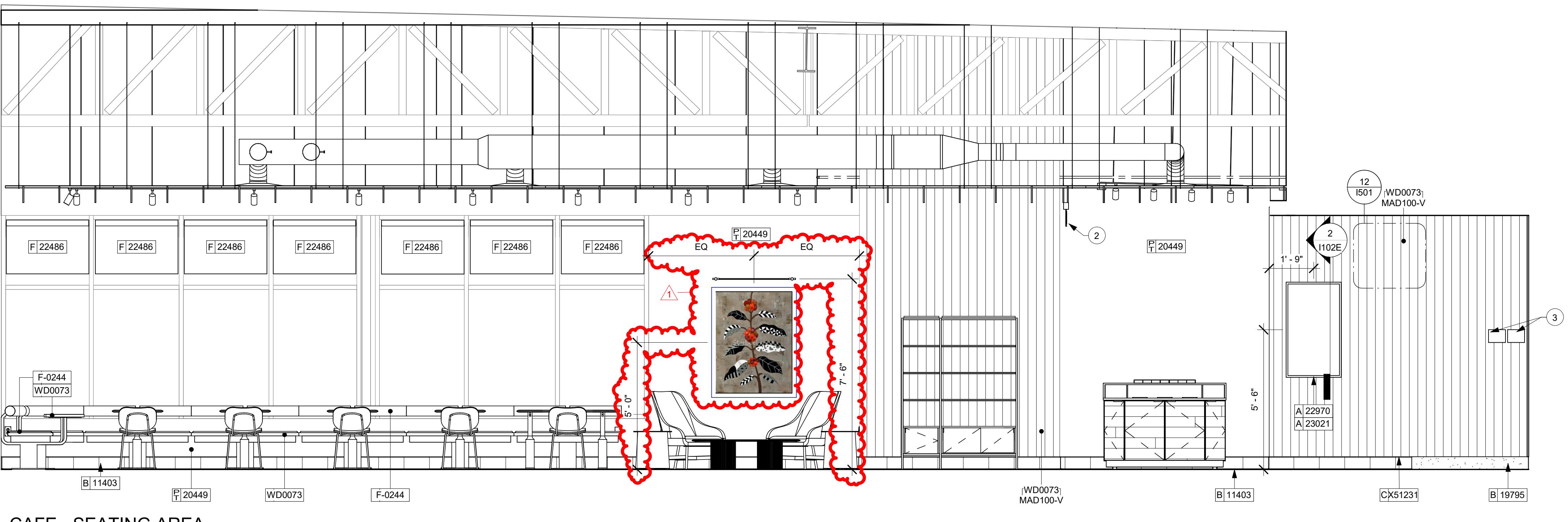
1 INDICATES WALL BLOCKING. BLOCKING TO BE PROVIDED AS REQUIRED TO SUPPORT WALL ATTACHMENTS. EXTEND BLOCKING 4" (100mm) BEYOND EDGE OF ATTACHMENTS.

2 WALL TILE START POINT DATUM

| PAINT SCHEDULE |                                     |     |          |          |   |
|----------------|-------------------------------------|-----|----------|----------|---|
| DESIGN ID      | DESCRIPTION                         | LRV | FURN. BY | INST. BY | COMMENTS  |
| 20441          | SW7031 MEGA GREIGE, OR EQUIVALENT   | 37  | GC       | GC       | SW USE PRIMER CP-1; NCS - S 3005-Y50R; AKZO NOBEL - 20YY 37/094 |
| 20449          | SW7048 URBANE BRONZE, OR EQUIVALENT | 8   | GC       | GC       |   |
| X70690         | SW7069 - IRON ORE                   | 6   | GC       | GC       |   |
| X90870         | SW9087 SMOKEY BEIGE                 | 40  | GC       | GC       |   |

| WALL BASE SCHEDULE - "B" |                |   |          |          |                                       |
|--------------------------|----------------|---|----------|----------|---------------------------------------|
| DESIGN ID                | LENGTH         | DESCRIPTION                             | FURN. BY | INST. BY | COMMENTS                              |
| TILE BASE                |                |   |          |          |                                       |
| 11403                    | 179' - 7 3/4"  | TILE BASE - NERO - 6X12IN 150X300MM     | SB       | GC       | GROUT: MAPEI - 10 BLACK, OR EQUAL     |
| 19795                    | 280' - 11 1/4" | POLYVINYL FLOOR TILE - ECOGRIP - PEWTER | GC       | GC       |                                       |
| X2110                    | 55' - 4"       | SCHLUTER DILEX-AHK                      | GC       | GC       | FINISH: AE - SATIN ANODIZED ALUMINUM. |

| WALL TREATMENT (AREA) SCHEDULE - "Q" |        |   |          |          |  |
|--------------------------------------|--------|---|----------|----------|--|
| DESIGN ID                            | AREA   | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS   |
| TILE                                 |        |   |          |          |  |
| 12305                                | 461 SF | TILE - SKY - GREENSKY - 12X24IN 300X600MM                       | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL   |
| 12344                                | 157 SF | TILE - SKY - GREENSKY DESIGN 3 MOSAIC - 12X12IN 300X300MM SHEET | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL   |
| 20248                                | 327 SF | TILE - COLOR STUDIO - SAGE - 6X24IN 150X600MM                   | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL   |
| WALL COVERING                        |        |   |          |          |  |
| 1889                                 | 389 SF | VINYL WALL PROTECTION - SAHARA SILK - FES                       | SB       | GC       | ROMAN PRO-555 EXTREME TACK WALLCOVERING ADHESIVE REQUIRED; TO BE PROVIDED BY GC MUST USE TYPE IV VERSION |
| X21060                               | 332 SF | WALL COVERING - MOMENTUM - CAMBRIAN - ADVENTURINE               | SB       | GC       | SKU: 2VCN-12.  |





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Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**INTERIOR FINISH ELEVATIONS**  
SCALE: AS SHOWN

SHEET NUMBER:

I202

| PAINT SCHEDULE |                                     |     |          |          |   |
|----------------|-------------------------------------|-----|----------|----------|---|
| DESIGN ID      | DESCRIPTION                         | LRV | FURN. BY | INST. BY | COMMENTS  |
| 20441          | SW7031 MEGA GREIGE, OR EQUIVALENT   | 37  | GC       | GC       | SW USE PRIMER CP-1; NCS - S 3005-Y50R; AKZO NOBEL - 20YY 37/094 |
| 20449          | SW7048 URBANE BRONZE, OR EQUIVALENT | 8   | GC       | GC       |   |
| X70690         | SW7069 - IRON ORE                   | 6   | GC       | GC       |   |
| X90870         | SW9087 SMOKY BEIGE                  | 40  | GC       | GC       |   |

| WALL TREATMENT (AREA) SCHEDULE - "Q" |        |   |          |          |   |
|--------------------------------------|--------|---|----------|----------|---|
| DESIGN ID                            | AREA   | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS  |
| TILE                                 |        |   |          |          |   |
| 12305                                | 461 SF | TILE - SKY - GREENSKY - 12X24IN 300X600MM                       | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL  |
| 12344                                | 157 SF | TILE - SKY - GREENSKY DESIGN 3 MOSAIC - 12X12IN 300X300MM SHEET | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL  |
| 20248                                | 327 SF | TILE - COLOR STUDIO - SAGE - 6X24IN 150X600MM                   | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL  |
| WALL COVERING                        |        |   |          |          |   |
| 18899                                | 389 SF | VINYL WALL PROTECTION - SAHARA SILK - FES                       | SB       | GC       | ROMAN PRO-555 EXTREME TACK WALLCOVERING ADHESIVE REQUIRED; TO BE PROVIDED BY GC |
| X21060                               | 332 SF | WALL COVERING - MOMENTUM - CAMBRIAN - ADVENTURINE               | SB       | GC       | SKU: 2VCN-12.   |

| WALL BASE SCHEDULE - "B" |                |   |          |          |                                       |
|--------------------------|----------------|---|----------|----------|---------------------------------------|
| DESIGN ID                | LENGTH         | DESCRIPTION                             | FURN. BY | INST. BY | COMMENTS                              |
| TILE BASE                |                |   |          |          |                                       |
| 11403                    | 179' - 7 3/4"  | TILE BASE - NERO - 6X12IN 150X300MM     | SB       | GC       | GROUT: MAPEI - 10 BLACK, OR EQUAL     |
| 19795                    | 280' - 11 1/4" | POLYVINYL FLOOR TILE - ECOGRIP - PEWTER | GC       | GC       |                                       |
| X2110                    | 55' - 4"       | SCHLUTER DILEX-AHK                      | GC       | GC       | FINISH: AE - SATIN ANODIZED ALUMINUM. |

| GRAPHICS AND ARTWORK SCHEDULE - "G" |       |   |          |          |   |
|-------------------------------------|-------|---|----------|----------|---|
| DESIGN ID                           | COUNT | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS  |
| GRAPHICS - ARTWORK                  |       |   |          |          |   |
| 17099                               | 1     | ART - ROBERT HARDGRAVE - HARVEST                                    | SB       | GC       | SBXART_17099 - WRAPPED CANVAS IN FLOAT FRAME - ART SIZE 120" W X 60" H - REVEAL .25" PRINT TO EDGES - PRINT EDGES BLACK - OVERALL SIZE 121" W X 61" H - CANVAS 2 - FRAME 3C WHITE OAK |
| 17156                               | 1     | ART - SHOHEI TAKASAKI - THE SIREN                                   | SB       | GC       | SBXART_17156 - FLOATED BEHIND GLAZING - OVERALL SIZE 46" W X 46" H - CLEAR SPACE AROUND ART 2" - MAT TO COVER INSIDE OF FRAME - PAPER 2 - MAT 2 - FRAME 3C WHITE OAK                  |
| 17492                               | 1     | ART - RYAN BUBNIS - BRANCH WITH CHERRIES                            | SB       | GC       | SBXART_17492 - WRAPPED CANVAS IN FLOAT FRAME - ART SIZE 36" W X 48" H - REVAL 1/4" - PRINT TO EDGES - PRINT EDGES BLACK - OVERALL SIZE 37" W X 49" H - CANVAS 2 - FRAME 3C WHITE OAK  |
| 19268                               | 1     | ART - SHOGO OTA - BEAN TO CUP CIRCLE - BW                           | SB       | GC       | SBXART_19268 - FLOATED BEHIND GLAZING - OVERALL SIZE 46" W X 46" H - CLEAR SPACE AROUND ART 2" - MAT TO COVER INSIDE OF FRAME - PAPER 2 - MAT 2 - FRAME 2A EBONIZED WALNUT            |
| GRAPHICS - OTHER                    |       |   |          |          |   |
| 11135                               | 2     | RESTROOM SIGN UNISEX ACCESSIBLE                                     | SB       | GC       |   |
| 12693                               | 2     | COMMUNITY BOARD MAGNETIC MED WARM BROWN WD0004 - 46X36IN 1170X915MM | SB       | GC       |   |
| 23136                               | 1     | AUTOMATIC DOOR CAUTION SIGNAGE                                      | SB       | GC       |   |

## KEYED NOTES

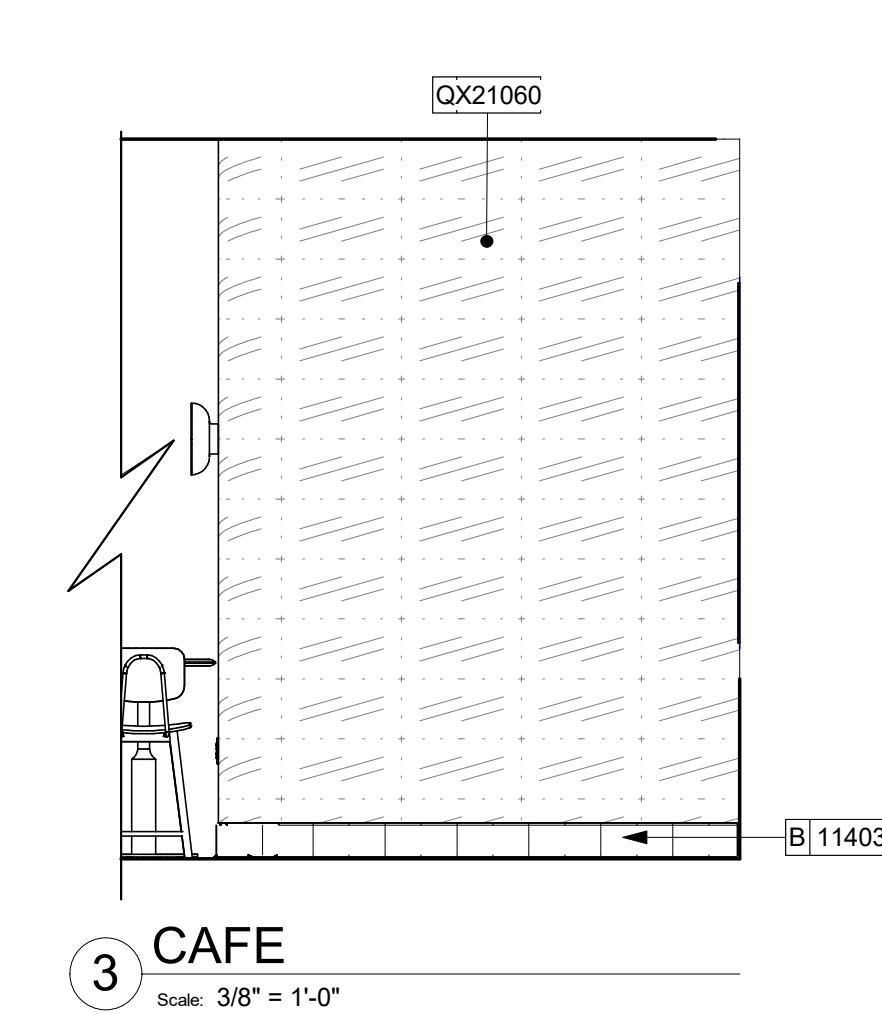
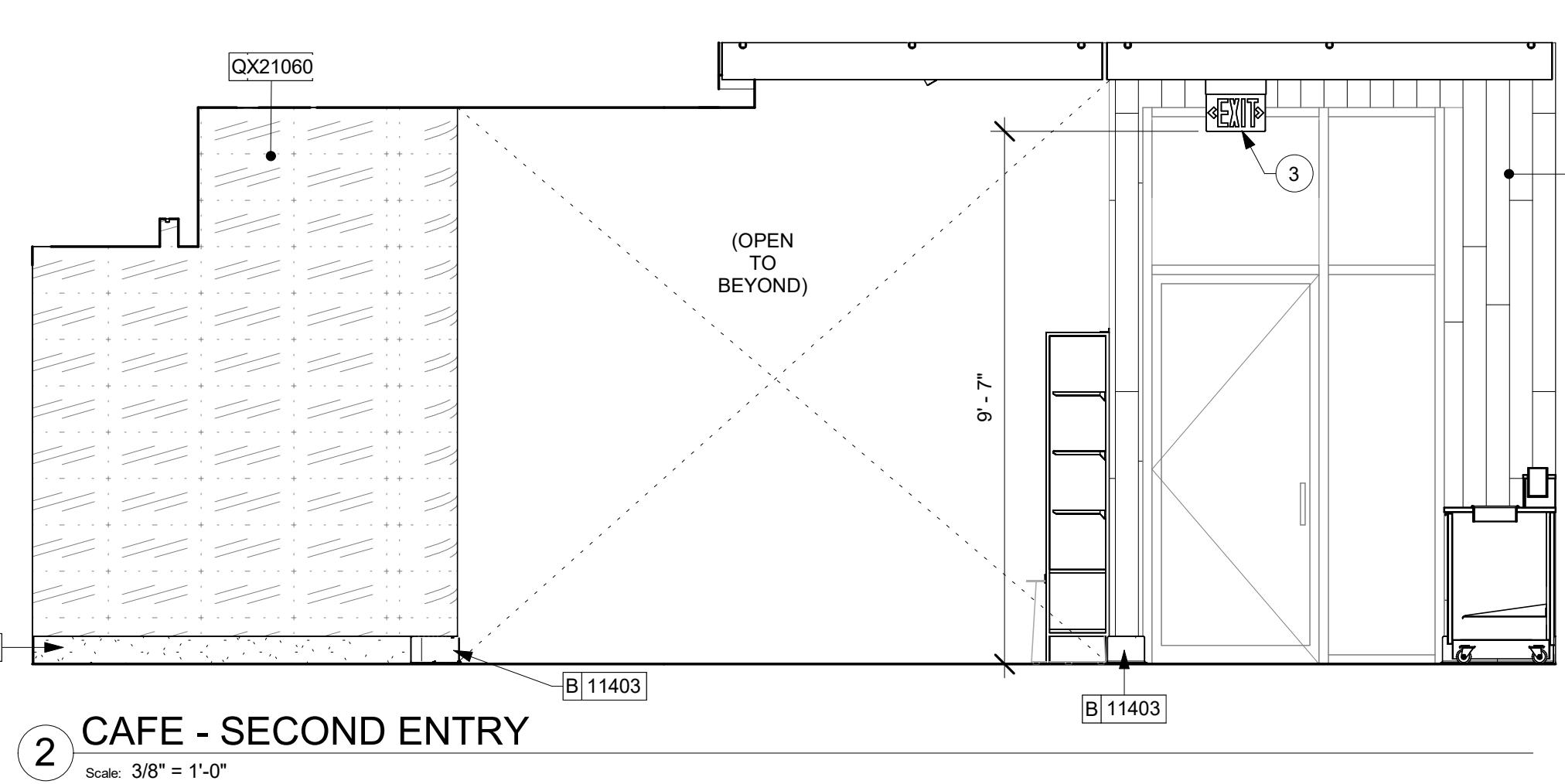
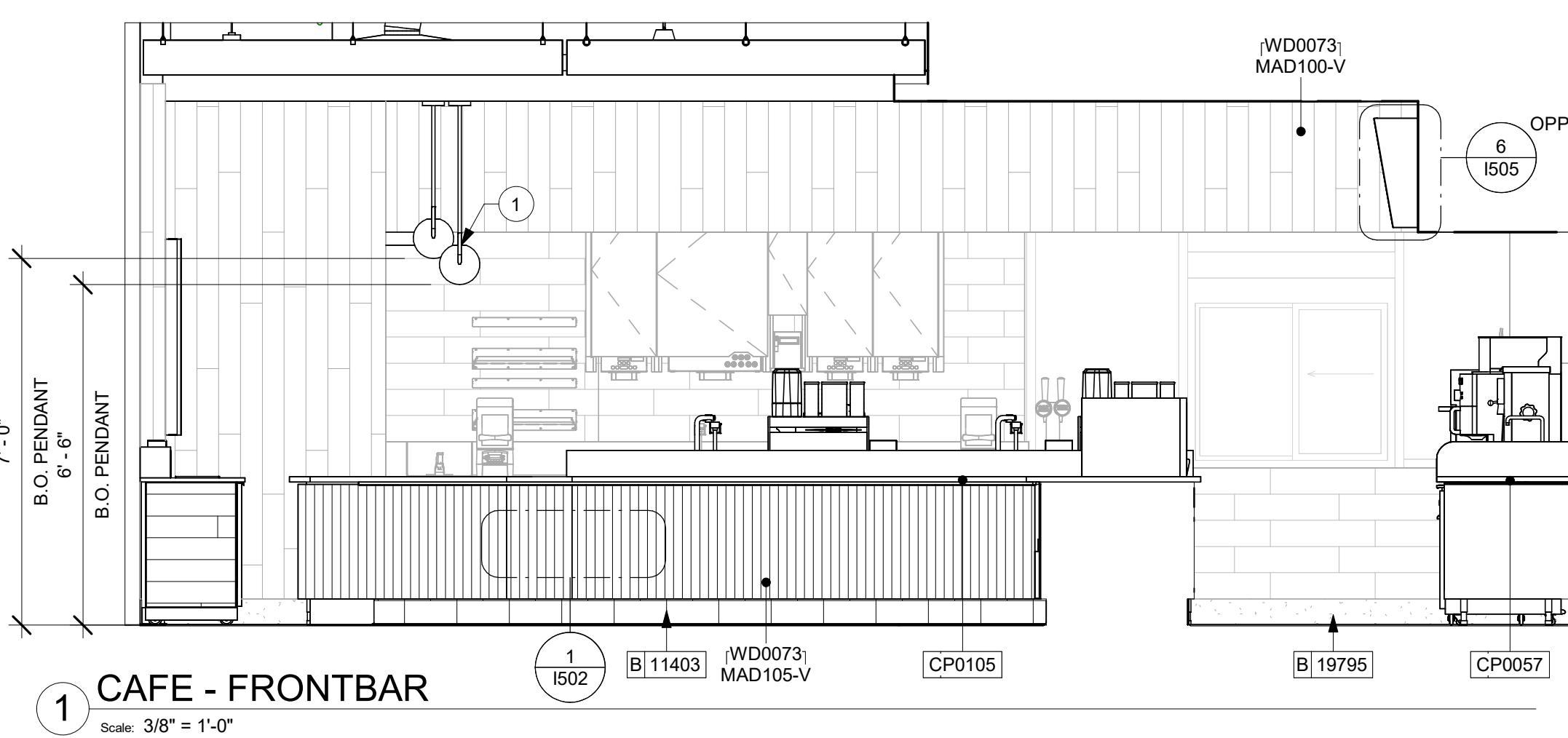
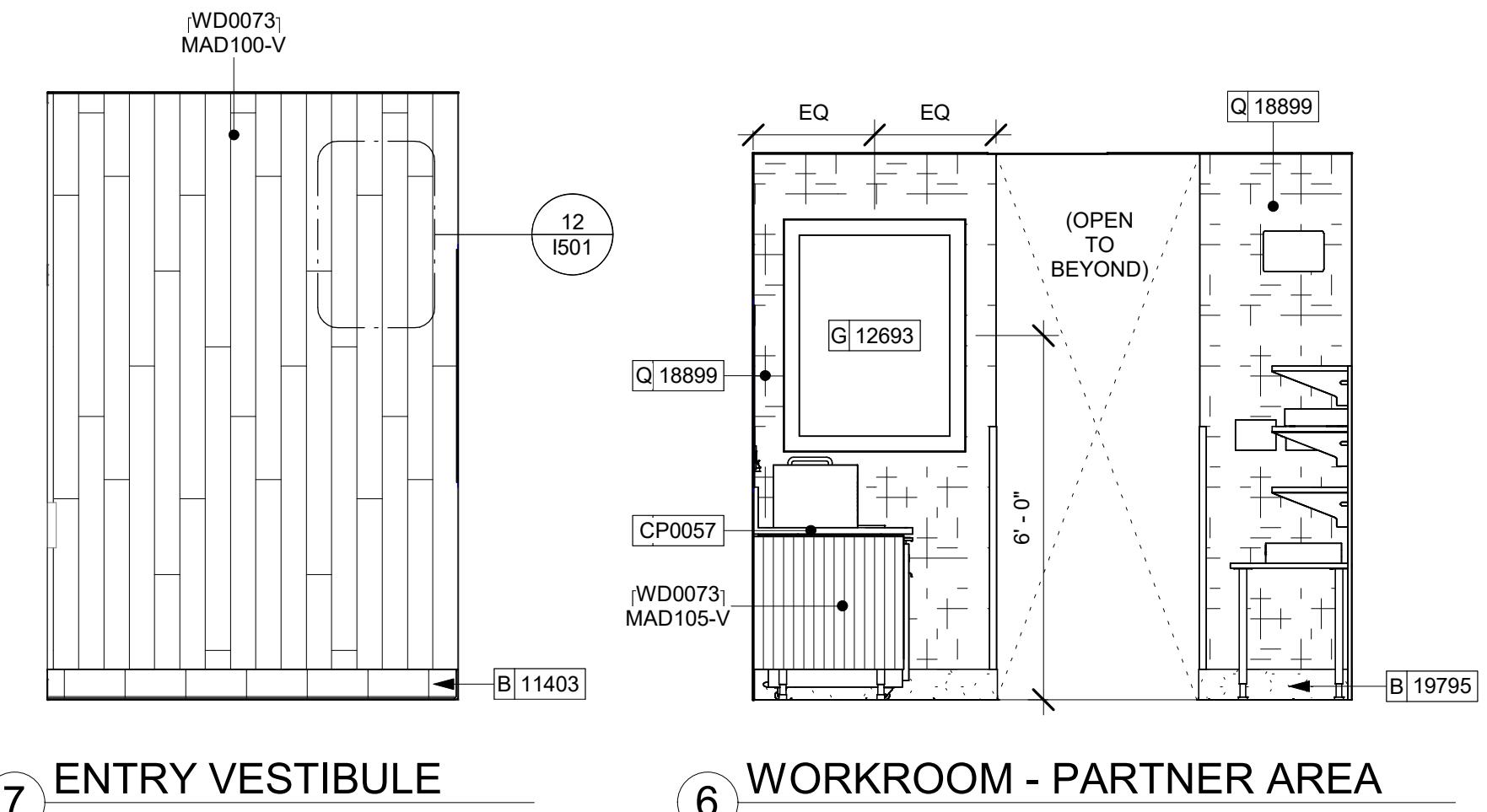
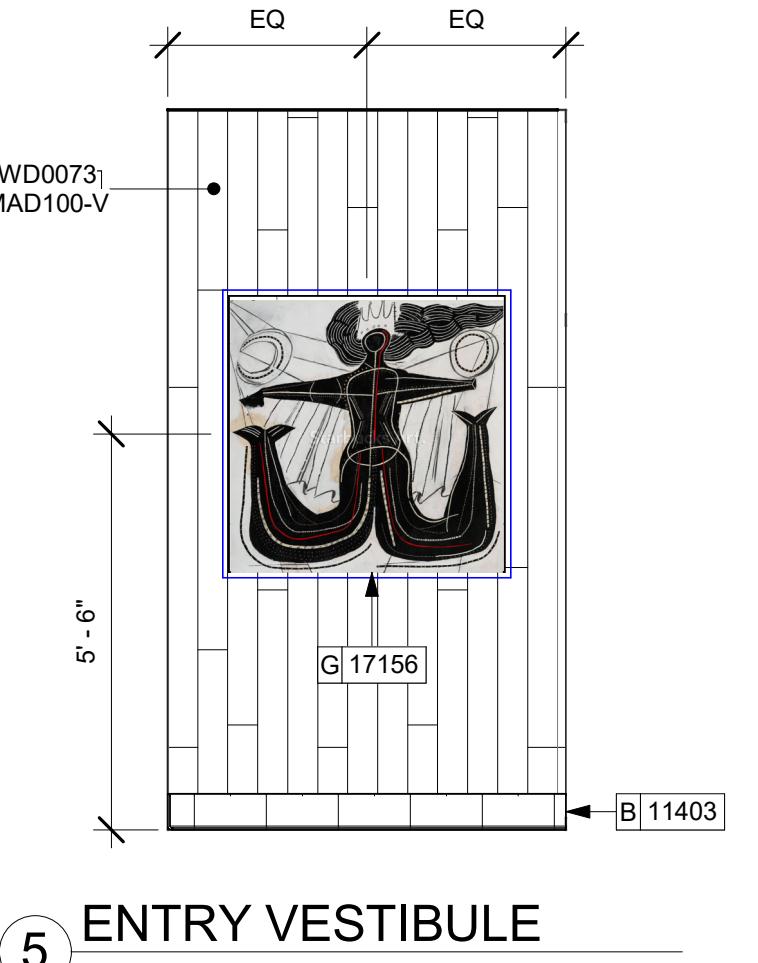
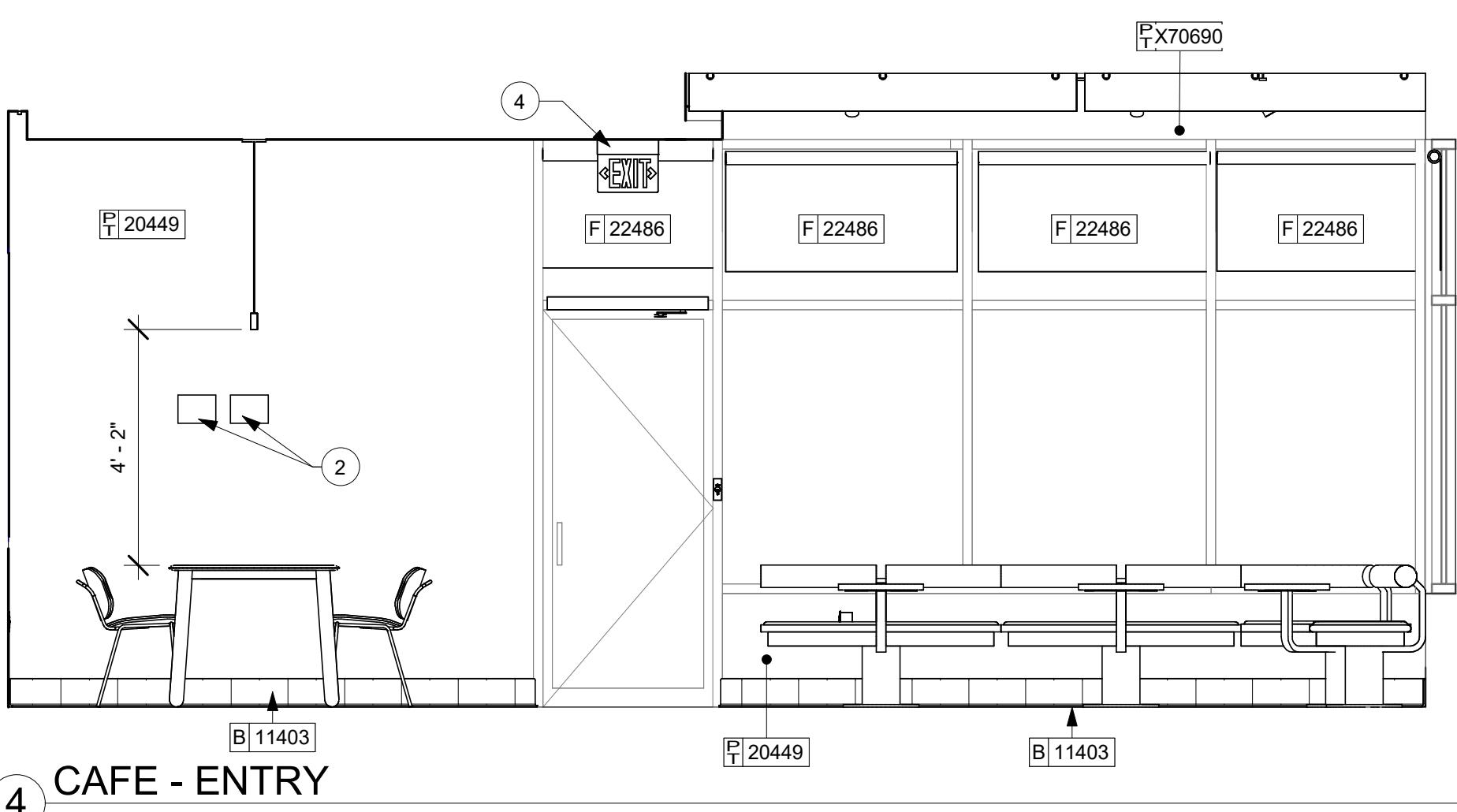
- PENDANT LIGHT FIXTURE (SEE REFLECTED CEILING PLAN ON SHEET I103 AND LIGHTING PLAN ON SHEET E102 FOR ADDITIONAL INFORMATION).
- TEMPERATURE AND HUMIDITY THERMOSTAT. SEE MECHANICAL FOR MORE INFORMATION.
- GC TO INSTALL EXIT SIGN SUSPENDED.
- GC TO INSTALL EXIT SIGN CEILING MOUNTED.

## GENERAL NOTES

- FOR GRAPHICS SCHEDULE, REFER TO THE FURNITURE, FIXTURES, AND EQUIPMENT (FF & E) SCHEDULES ON SHEET I101.
- REFER TO MANUFACTURER'S INSTRUCTIONS INCLUDED WITH ARTWORK/GRAFICS FOR PROPER INSTALLATION.
- CHANGE PAINT COLOR ONLY AT INSIDE CORNERS UNLESS OTHERWISE INDICATED.
- PAINT FINISHES SHALL BE APPLIED AS FOLLOWS, UNLESS NOTED OTHERWISE:
  - WOODS AND METAL SURFACES SHALL BE SEMI-GLOSS OR EQUAL.
  - ACCENT AND TRIM PAINTS TO BE SEMI-GLOSS OR EQUAL.
  - PAINTS IN BOH, RESTROOM(S) OR CAFE BAR SHALL BE SEMI-GLOSS OR EQUAL.

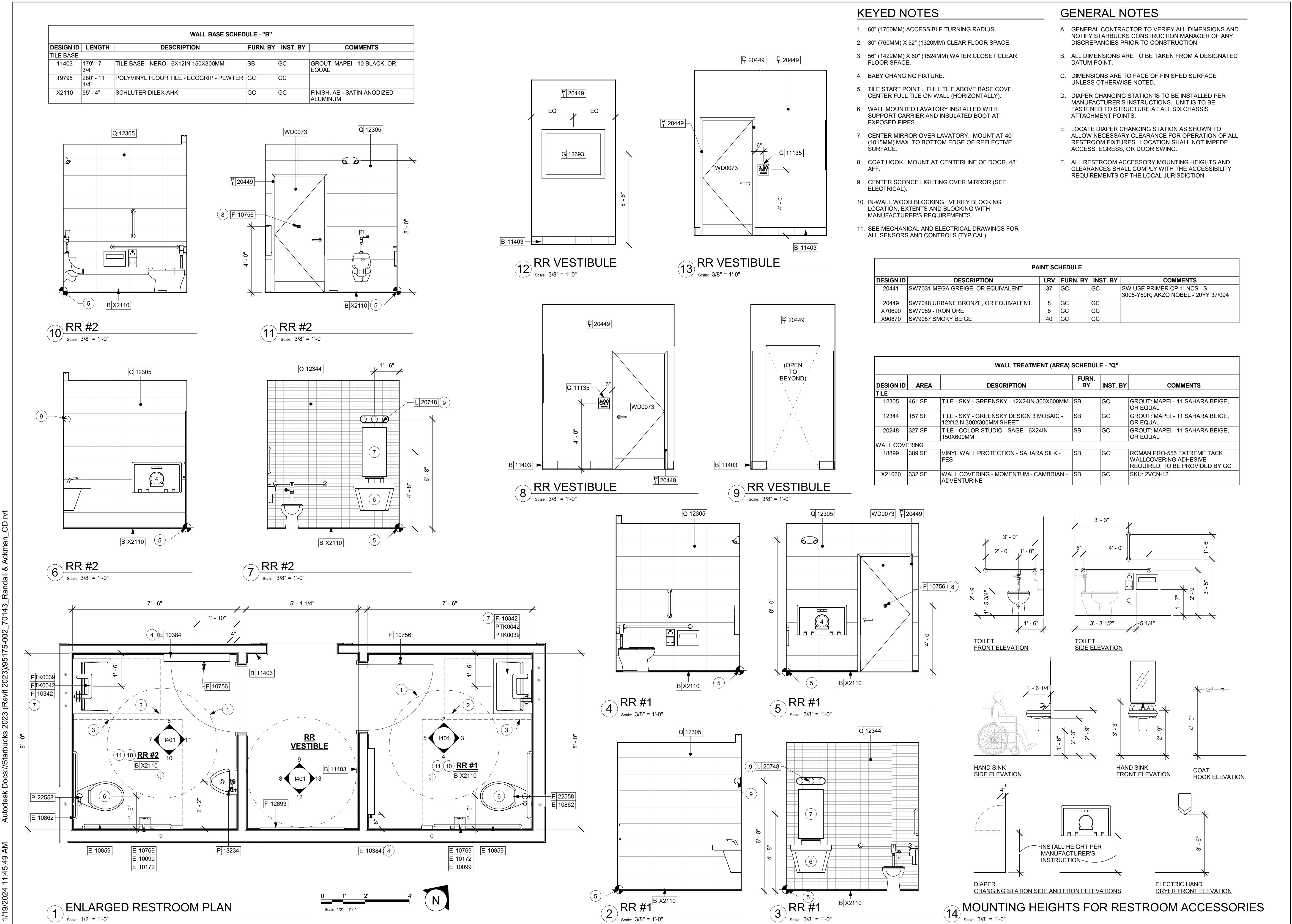
## LEGEND

- INDICATES WALL BLOCKING. BLOCKING TO BE PROVIDED AS REQUIRED TO SUPPORT WALL ATTACHMENTS. EXTEND BLOCKING 4" (100mm) BEYOND EDGE OF ATTACHMENTS.
- ALIGN TILE TRANSITIONS ON WHOLE TILES AS SHOWN.
- ALL FLOOR AND WALL JUNCTIONS IN STORAGE AND FOOD PREPARATION AREAS SHALL HAVE A 6" COVED BASE.
- ALL FOOD STORAGE SHALL BE 6" (150MM) A.F.F.
- INSTALL BLOCKING AND HANGERS FOR WALL SHELVING BEFORE INSTALLING BACK BAR TILE.
- GENERAL CONTRACTOR TO PROVIDE AND INSTALL WORKROOM WALL FINISHES.









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STARBUCKS TEMPLATE VERSION I2023.04.24

**GPD GROUP, INC.\***  
LIC. # 184-007100

520 South Main Street, Suite 2551  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: I2023262.13

AARON M. RODEBAUGH  
001-022424  
*ATM*  
signature

01/19/2024  
date  
expires 11-30-2024

**PROJECT NAME:**  
**RANDALL AND ACKMAN**  
**PROJECT ADDRESS:**  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

**Revision Schedule**

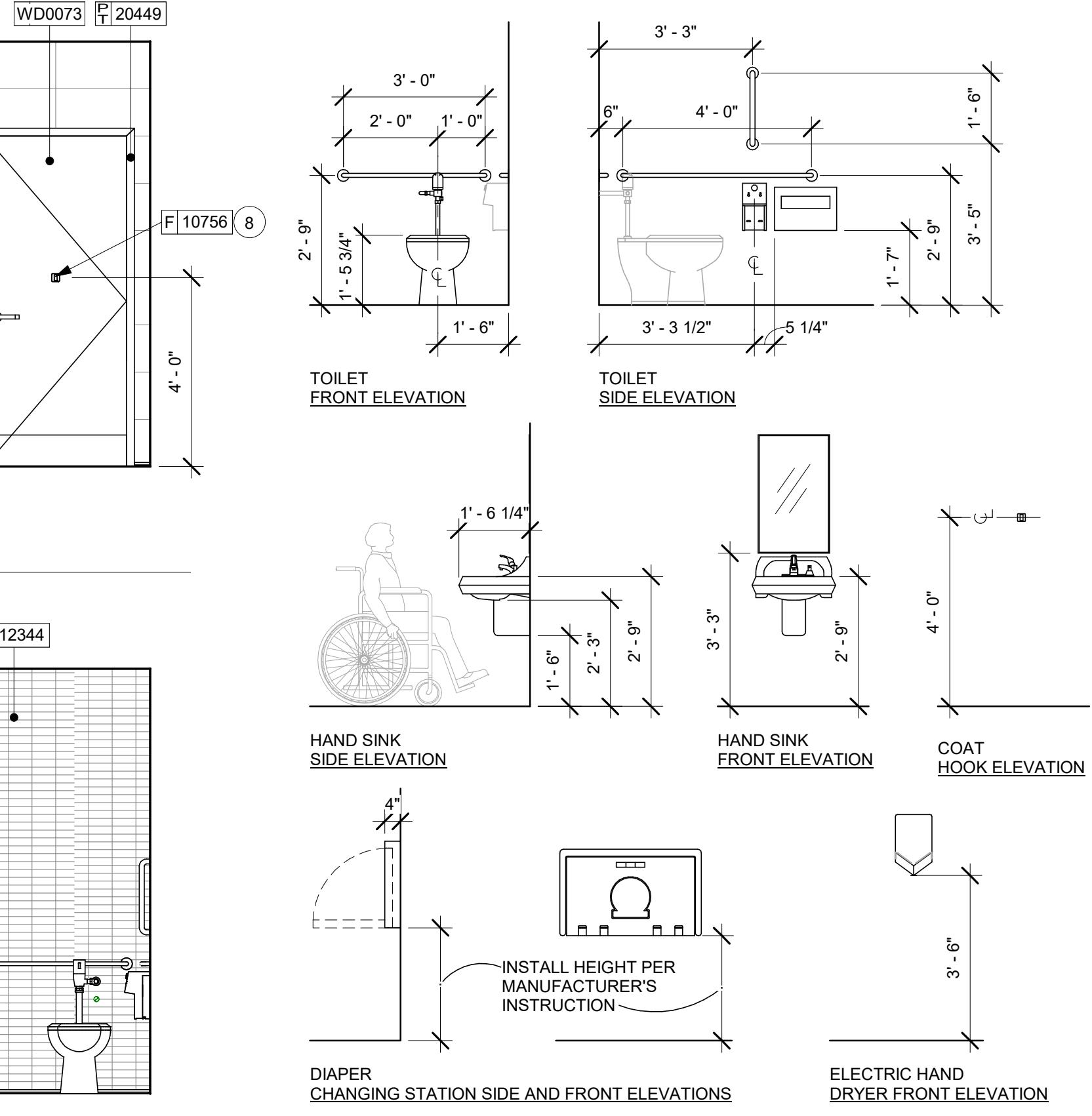
| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |

**SHEET TITLE:**  
**RESTROOM PLAN & ELEVATIONS**  
SCALE: AS SHOWN

**SHEET NUMBER:**  
**I401**

| PAINT SCHEDULE |                                     |     |          |          |   |
|----------------|-------------------------------------|-----|----------|----------|---|
| DESIGN ID      | DESCRIPTION                         | LRV | FURN. BY | INST. BY | COMMENTS  |
| 20441          | SW7031 MEGA GREIGE, OR EQUIVALENT   | 37  | GC       | GC       | SW USE PRIMER CP-1; NCS - S 3005-Y50R; AKZO NOBEL - 20YY 37/094 |
| 20449          | SW7048 URBANE BRONZE, OR EQUIVALENT | 8   | GC       | GC       |   |
| X70690         | SW7069 - IRON ORE                   | 6   | GC       | GC       |   |
| X90870         | SW9087 SMOKY BEIGE                  | 40  | GC       | GC       |   |

| WALL TREATMENT (AREA) SCHEDULE - "Q" |        |   |          |          |   |
|--------------------------------------|--------|---|----------|----------|---|
| DESIGN ID                            | AREA   | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS  |
| 12305                                | 461 SF | TILE - SKY - GREENSKY - 12X24IN 300X600MM                       | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL  |
| 12344                                | 157 SF | TILE - SKY - GREENSKY DESIGN 3 MOSAIC - 12X12IN 300X300MM SHEET | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL  |
| 20248                                | 327 SF | TILE - COLOR STUDIO - SAGE - 6X24IN 150X600MM                   | SB       | GC       | GROUT: MAPEI - 11 SAHARA BEIGE, OR EQUAL  |
| 18899                                | 389 SF | VINYL WALL PROTECTION - SAHARA SILK - FES                       | SB       | GC       | ROMAN PRO-555 EXTREME TACK WALLCOVERING ADHESIVE REQUIRED; TO BE PROVIDED BY GC |
| X21060                               | 332 SF | WALL COVERING - MOMENTUM - CAMBRIAN - ADVENTURINE               | SB       | GC       | SKU: 2VCN-12.   |





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STARBUCKS TEMPLATE VERSION I2023.04.24

**GPD GROUP, INC.\***  
LIC. # - 184-007100

520 South Main Street, Suite 2351  
Akron, OH 44351  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: I2023262.13

AARON M. RODEBAUGH  
001-022424  
*ATM*  
signature

01/19/2024  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

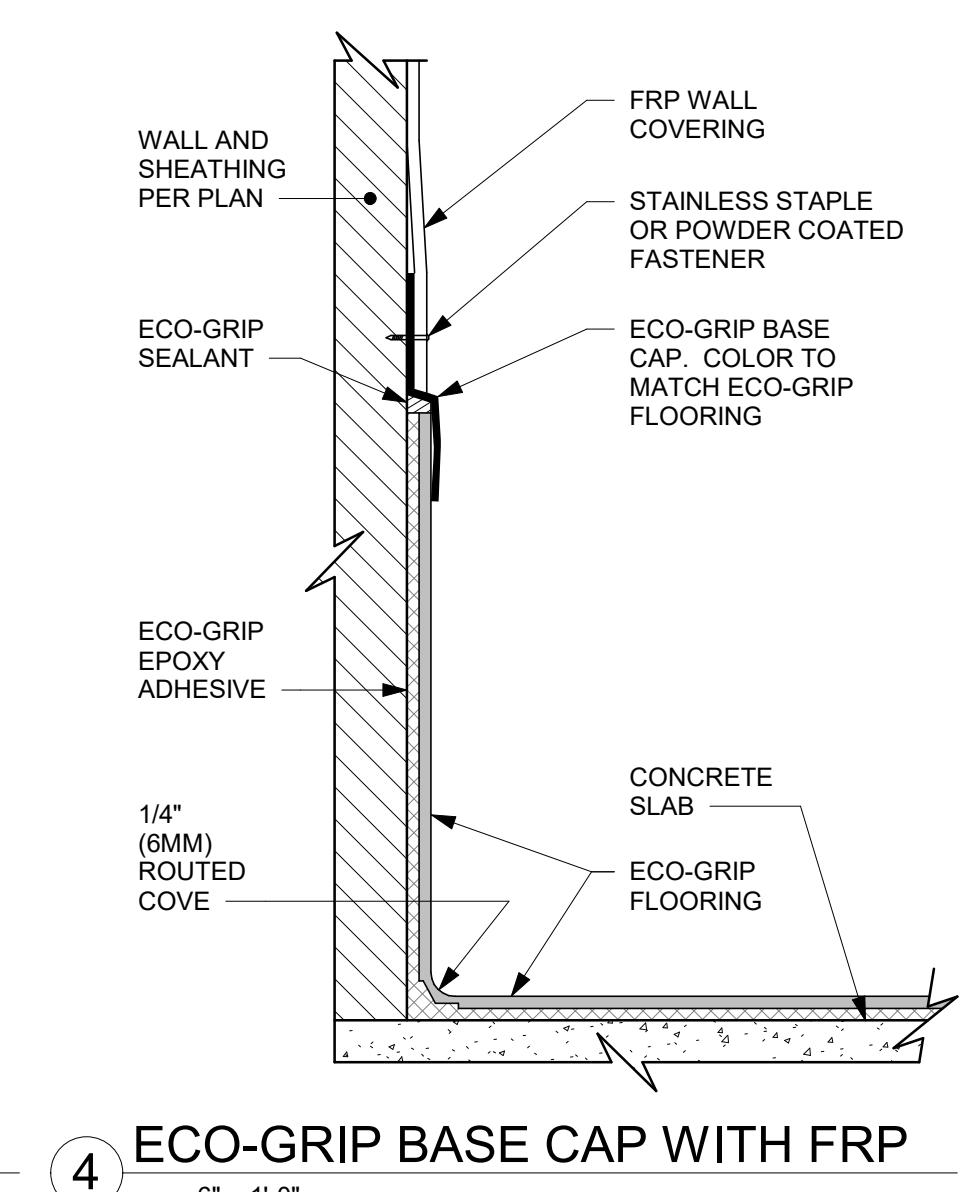
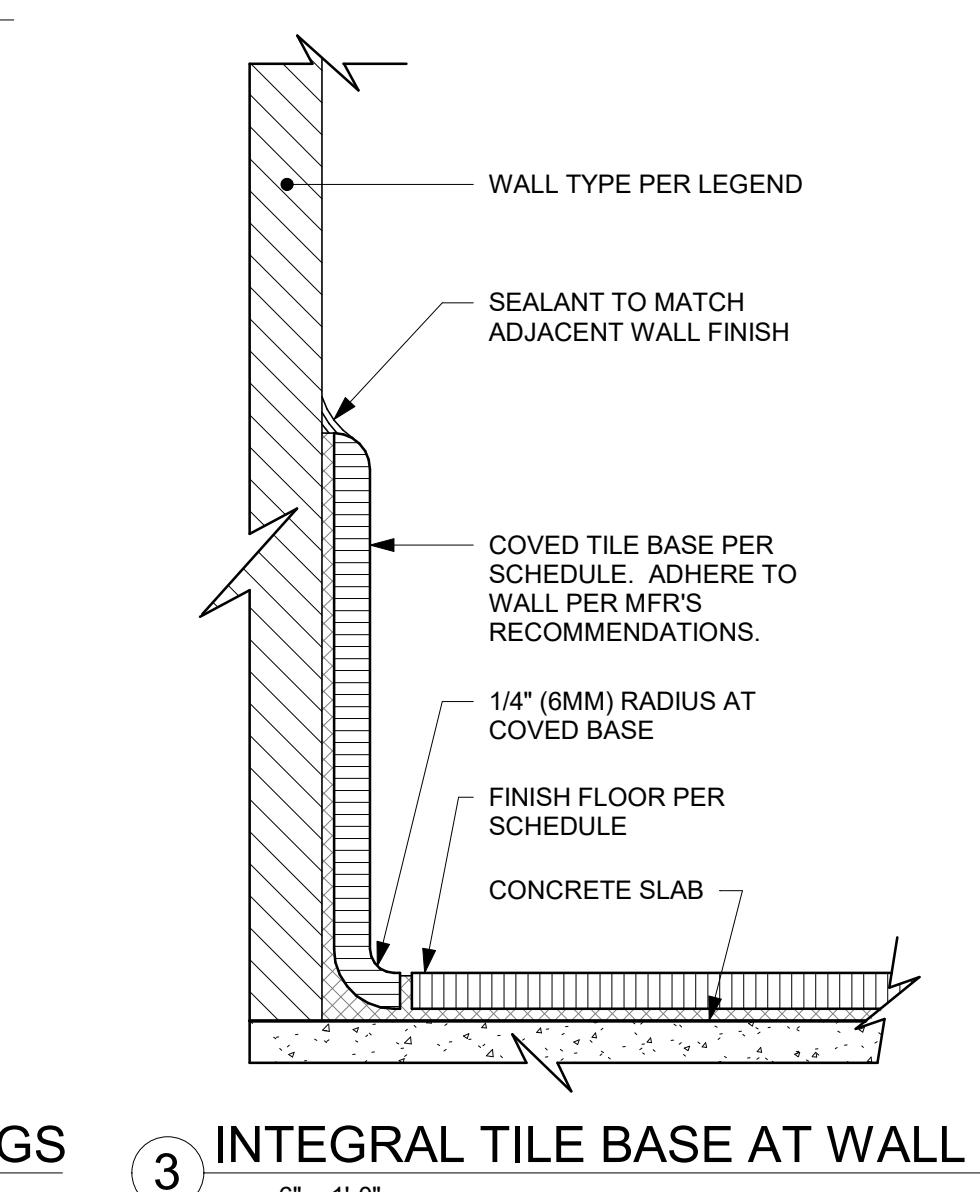
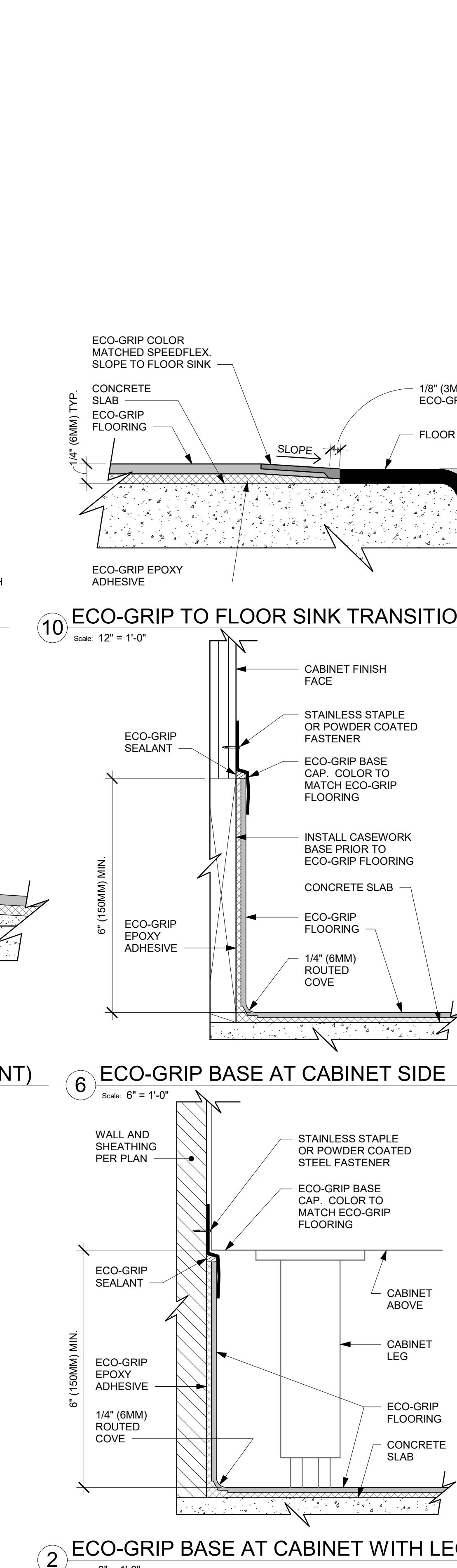
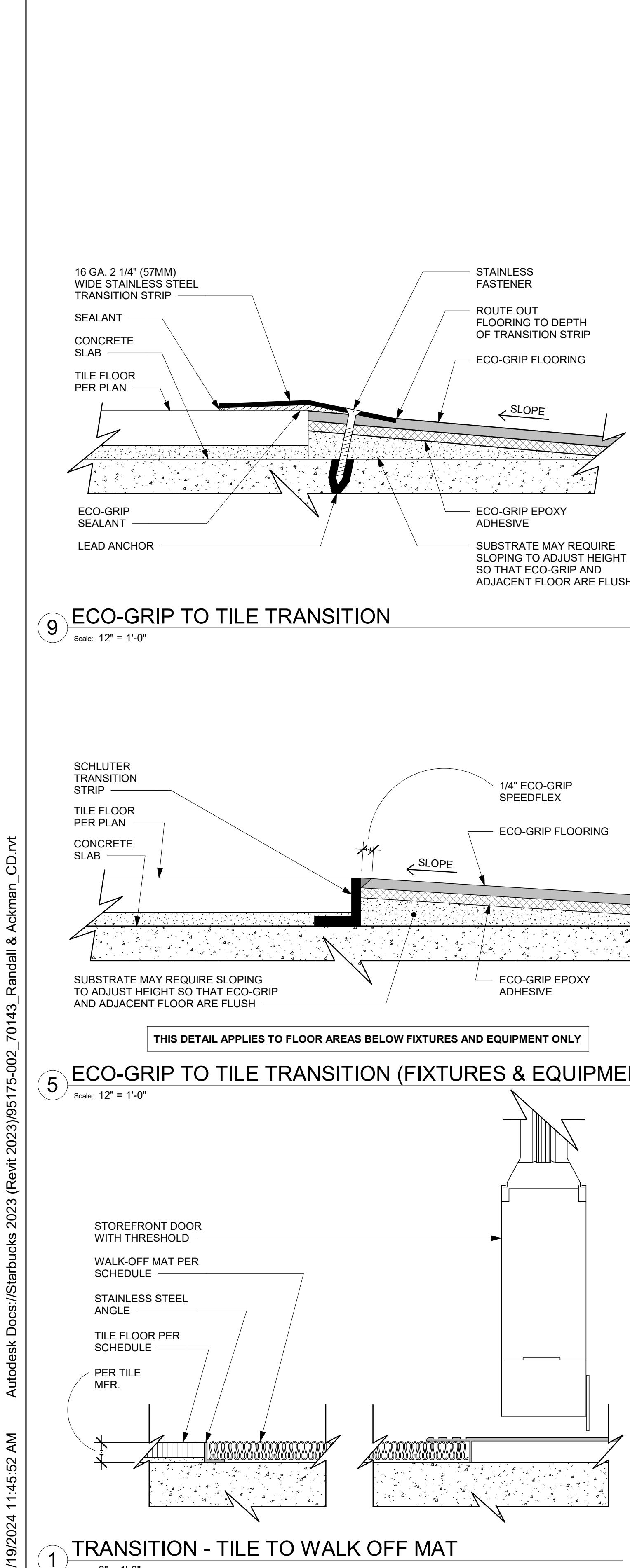
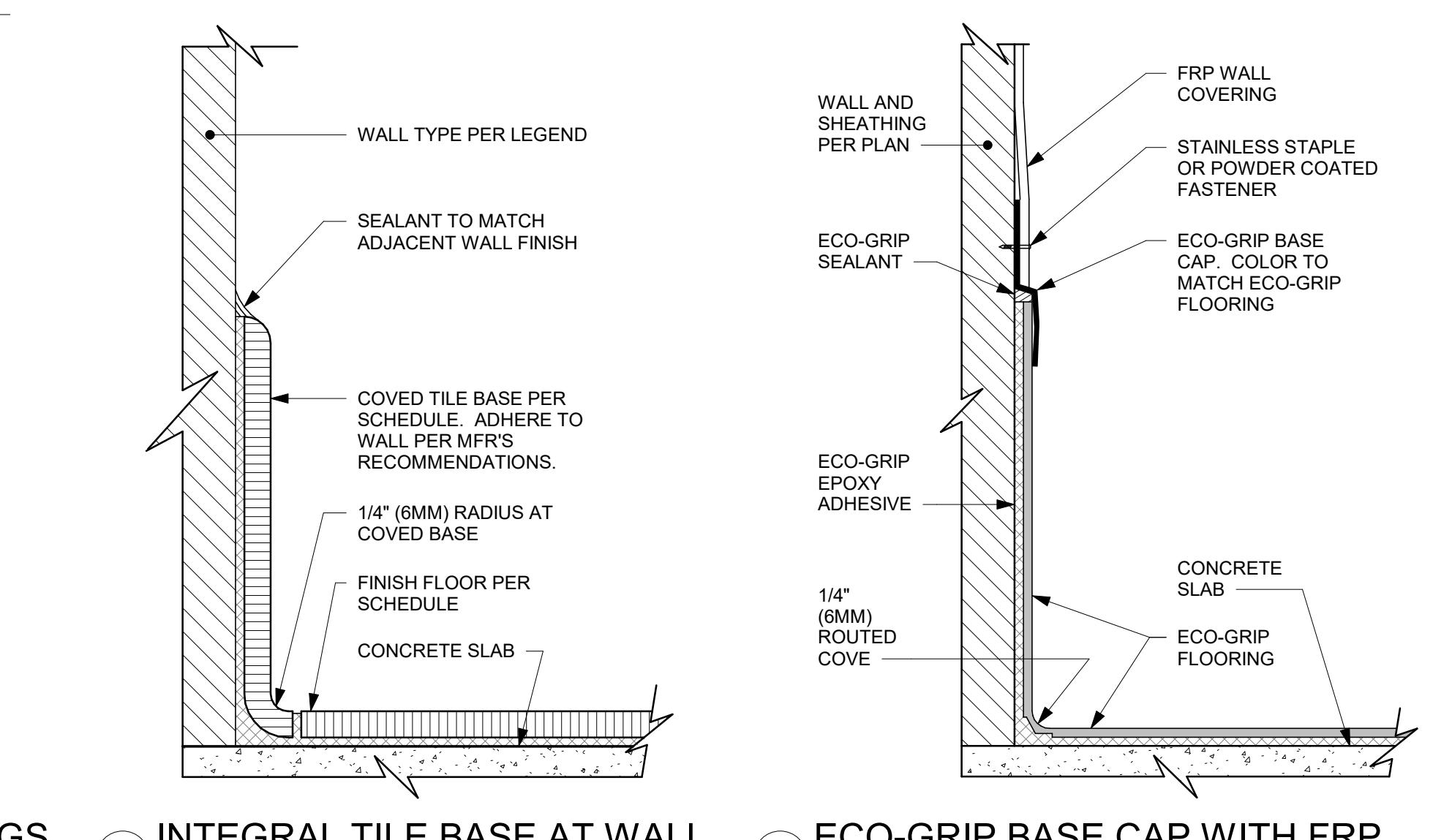
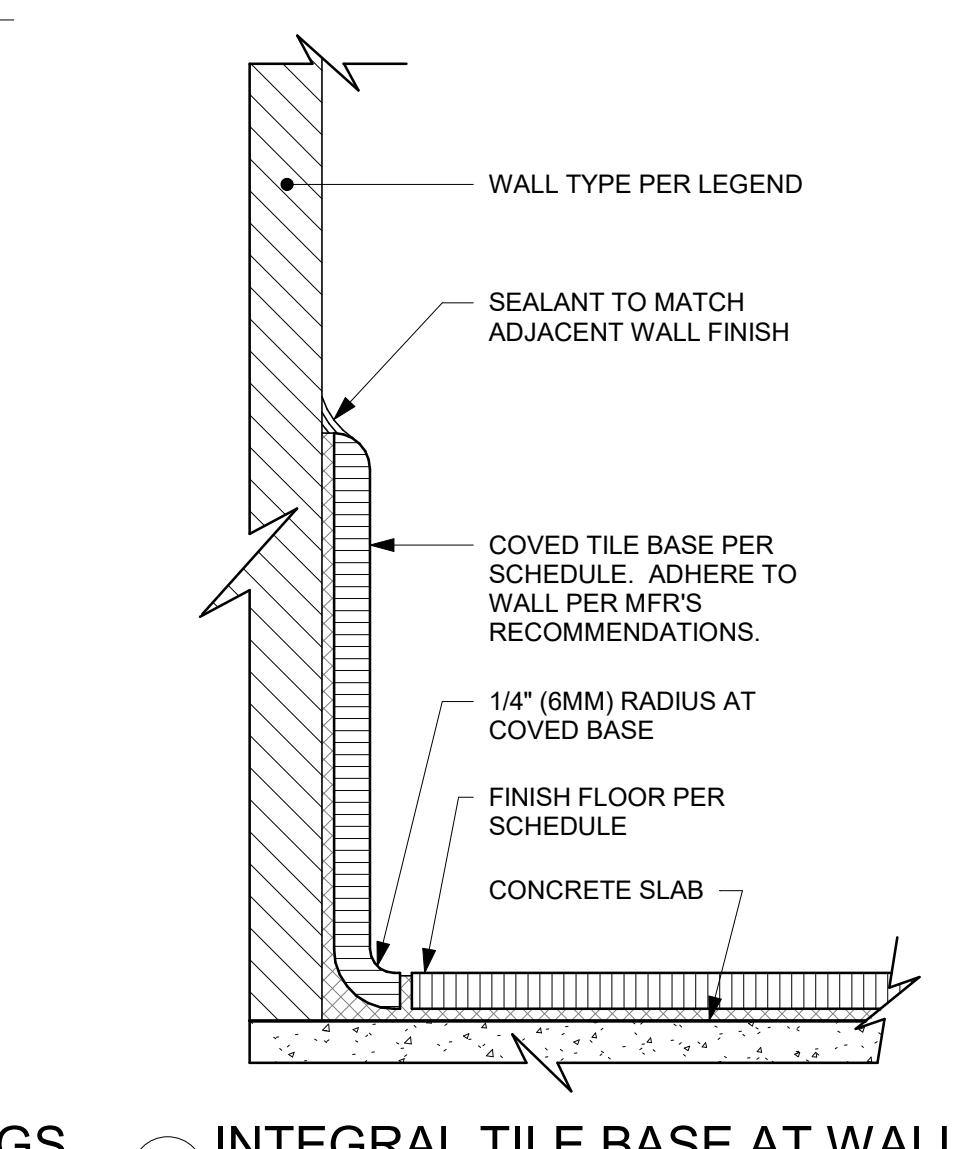
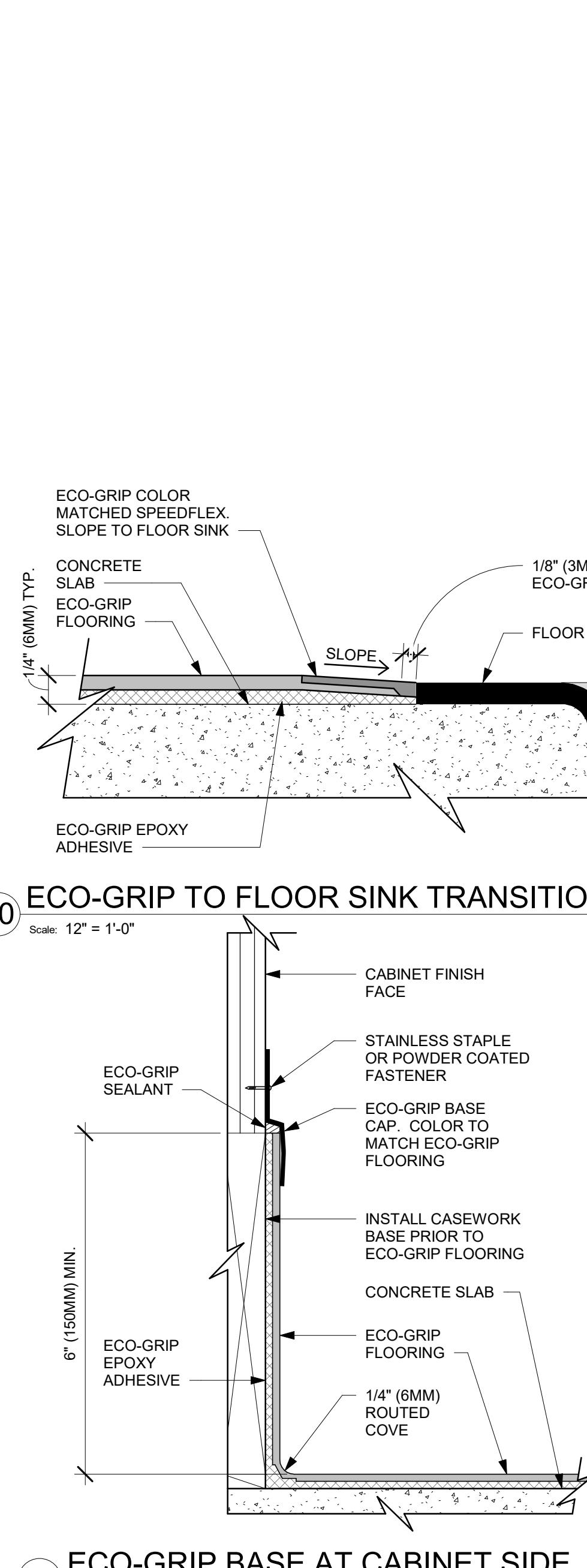
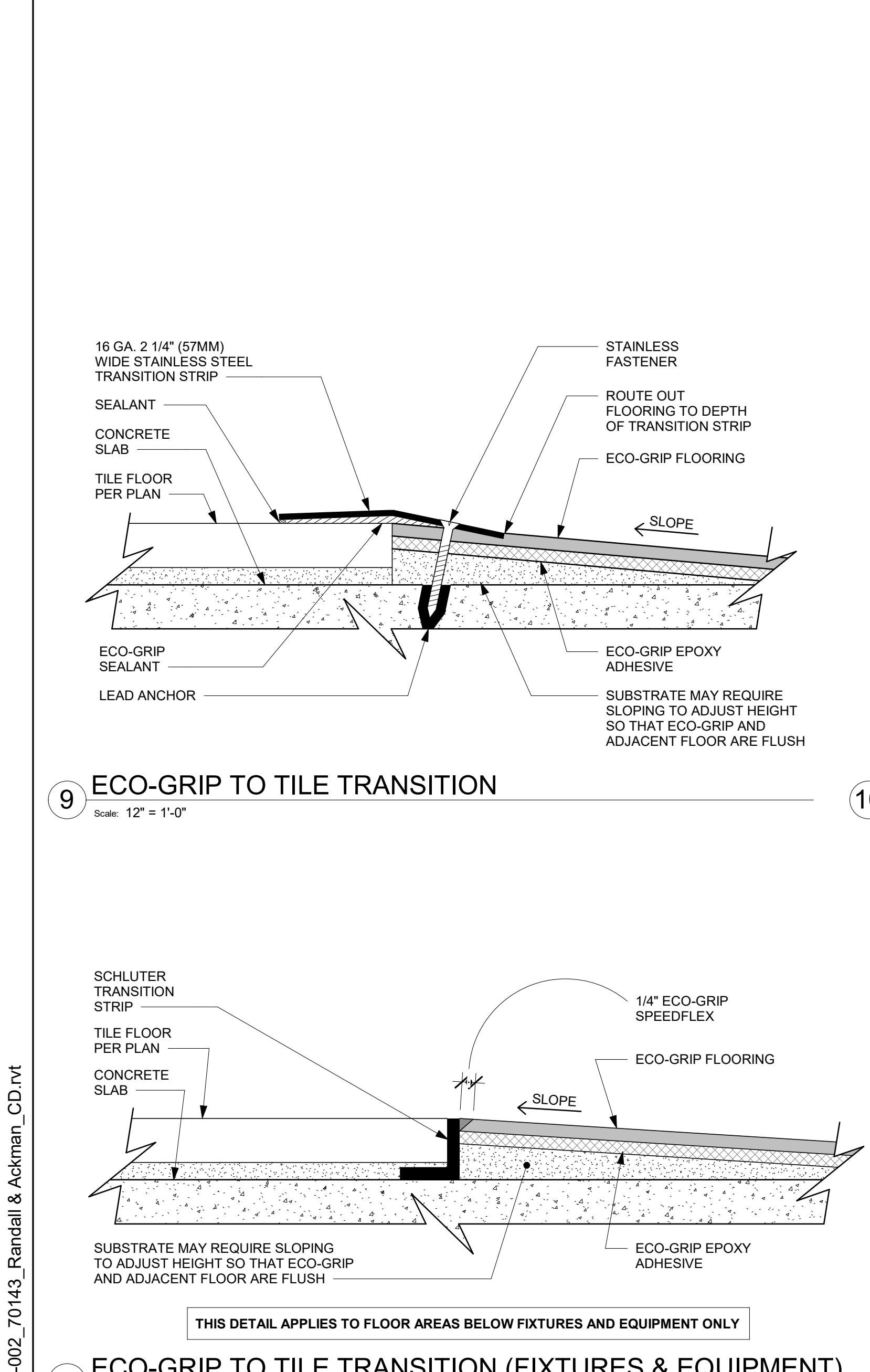
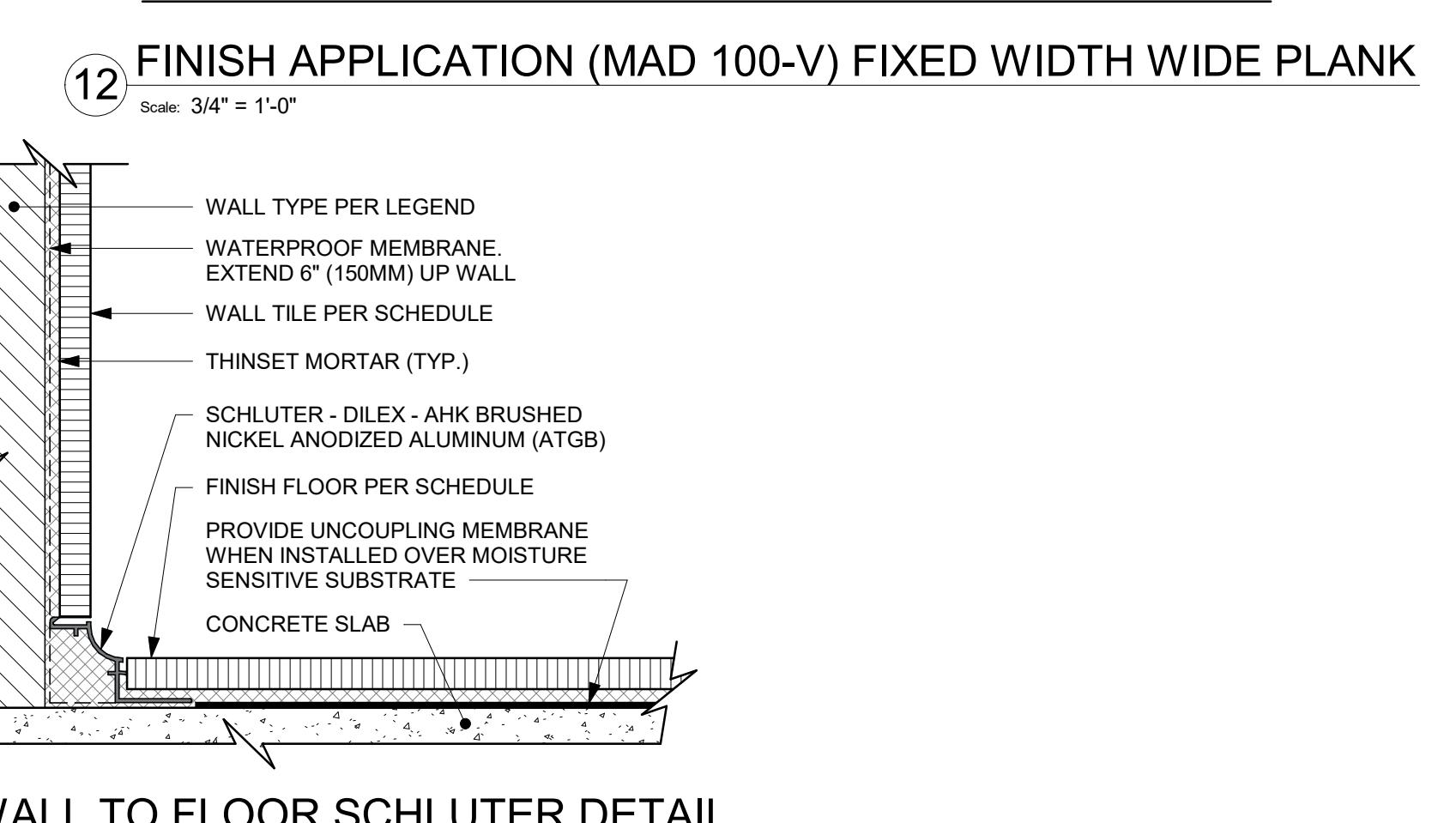
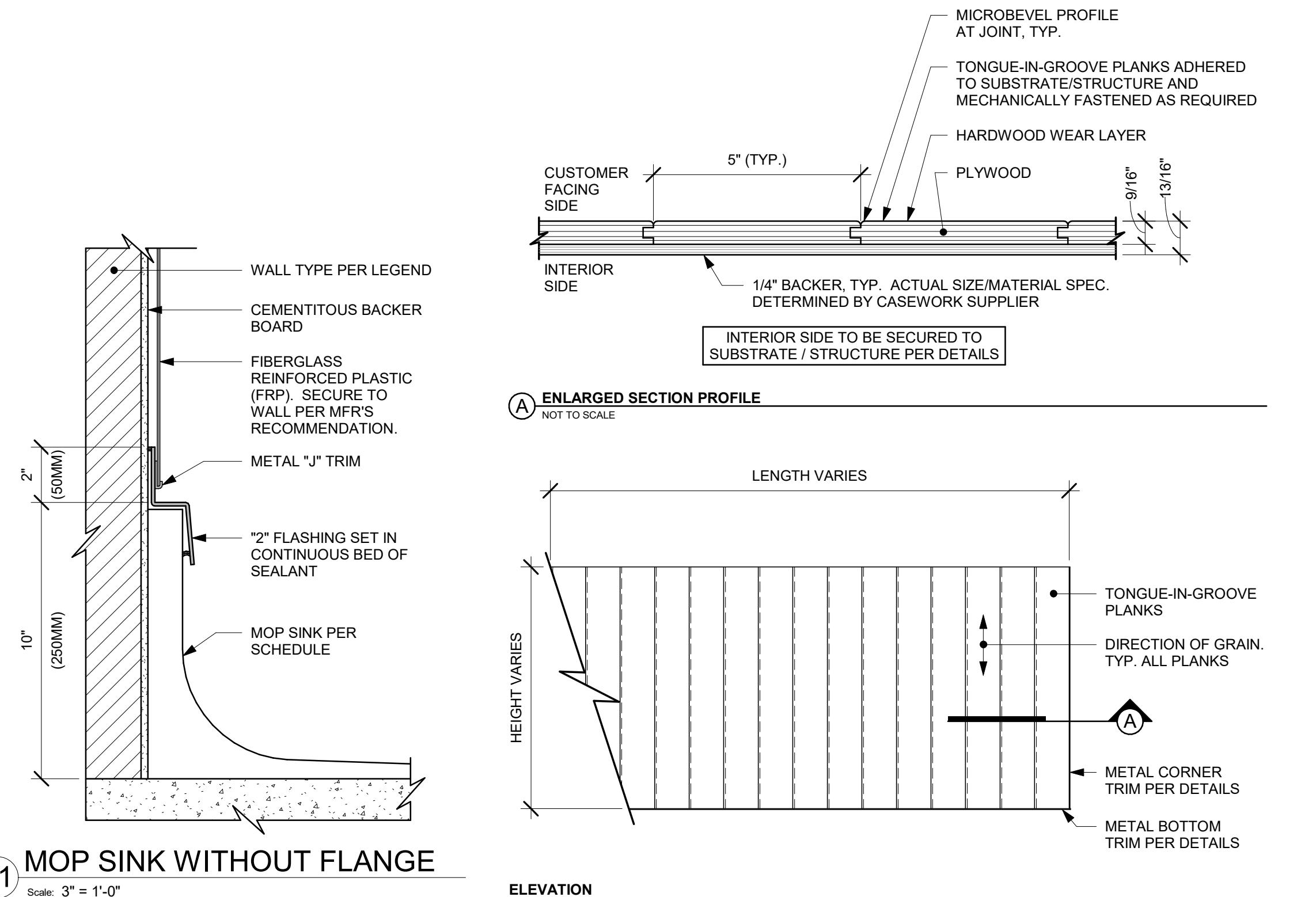
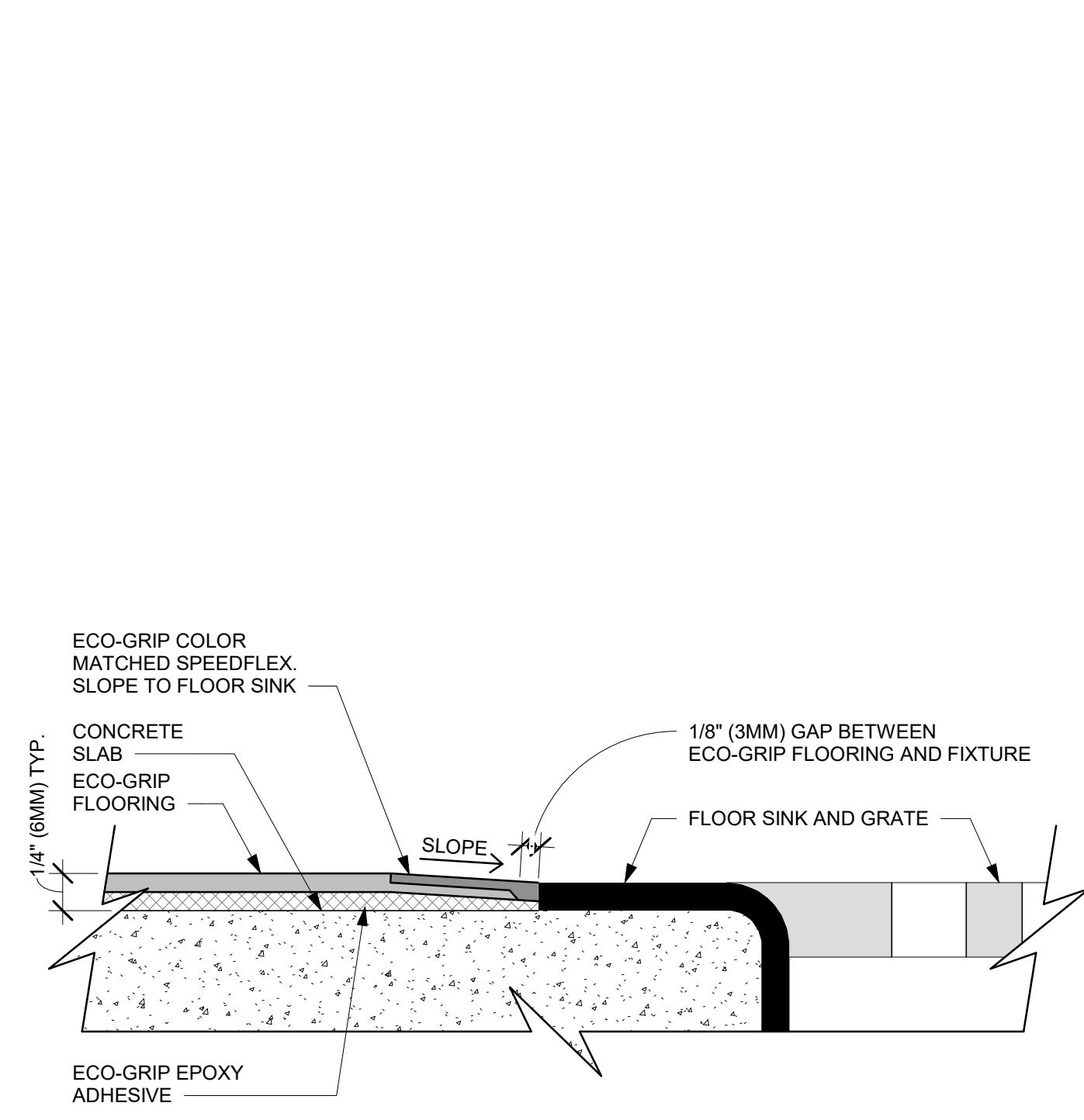
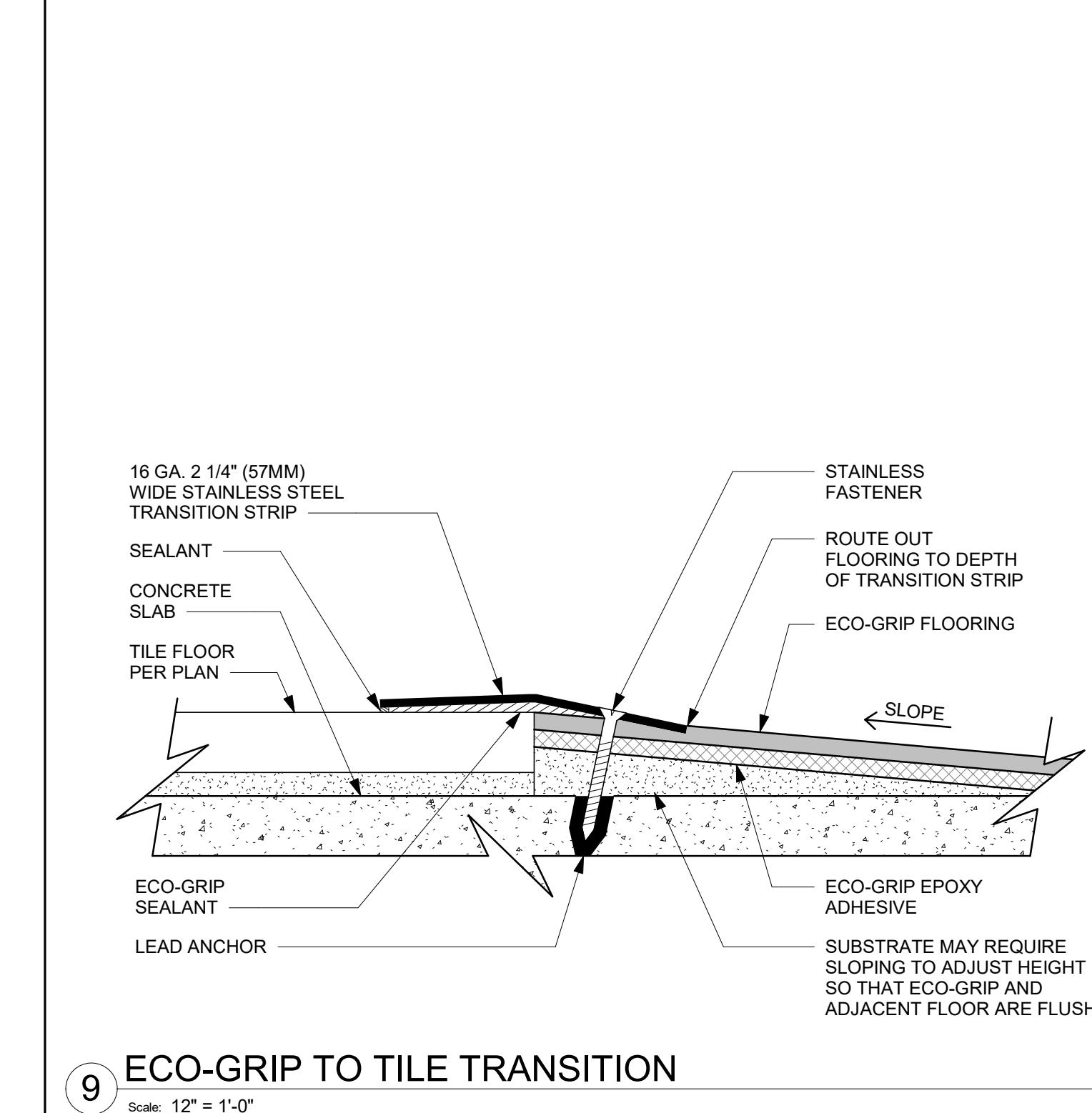
Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**INTERIOR DETAILS**

SCALE: AS SHOWN

SHEET NUMBER:  
**I501**





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STARBUCKS TEMPLATE VERSION i2023.04.24

**GPD GROUP, INC.®**  
LIC. # 184-007100

520 South Main Street, Suite 2351  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: 023262.13

AARON M. RODEBAUGH  
001-022424

signature

01/19/2024  
date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

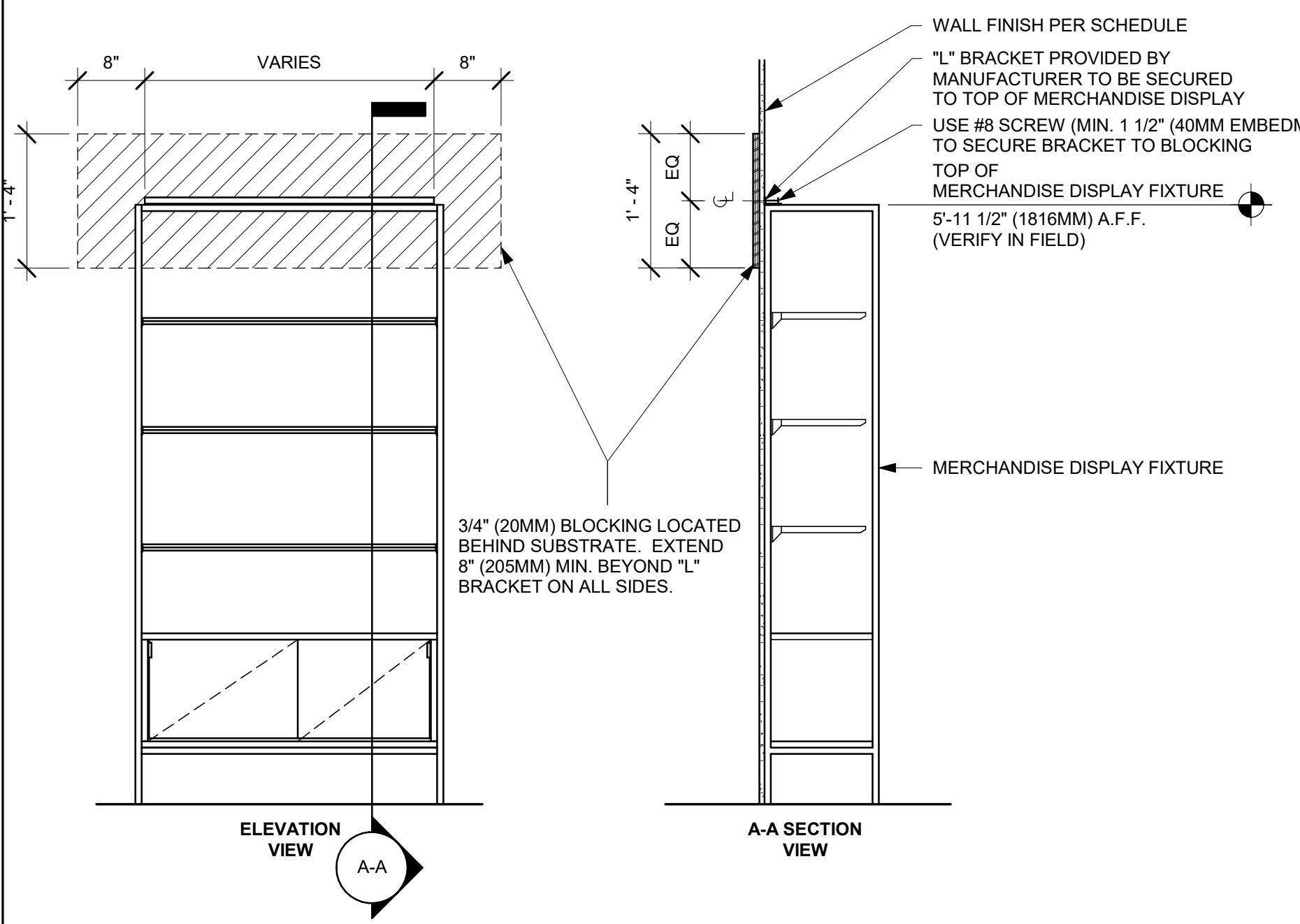
Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
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SHEET TITLE:  
**INTERIOR DETAILS**

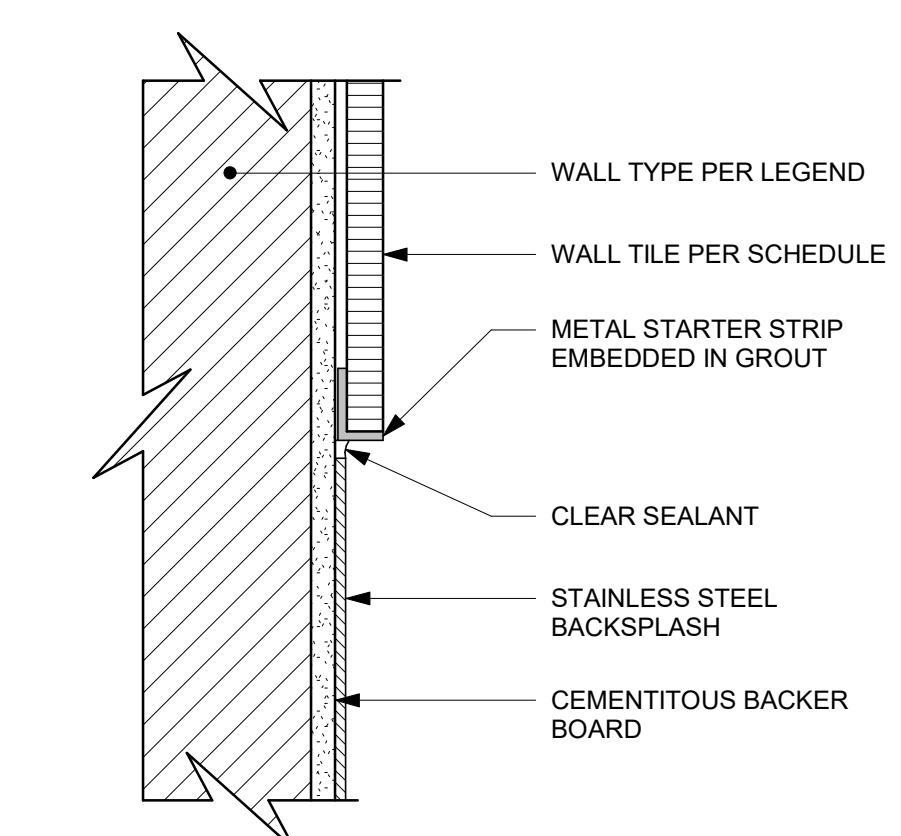
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SHEET NUMBER:  
**I502**



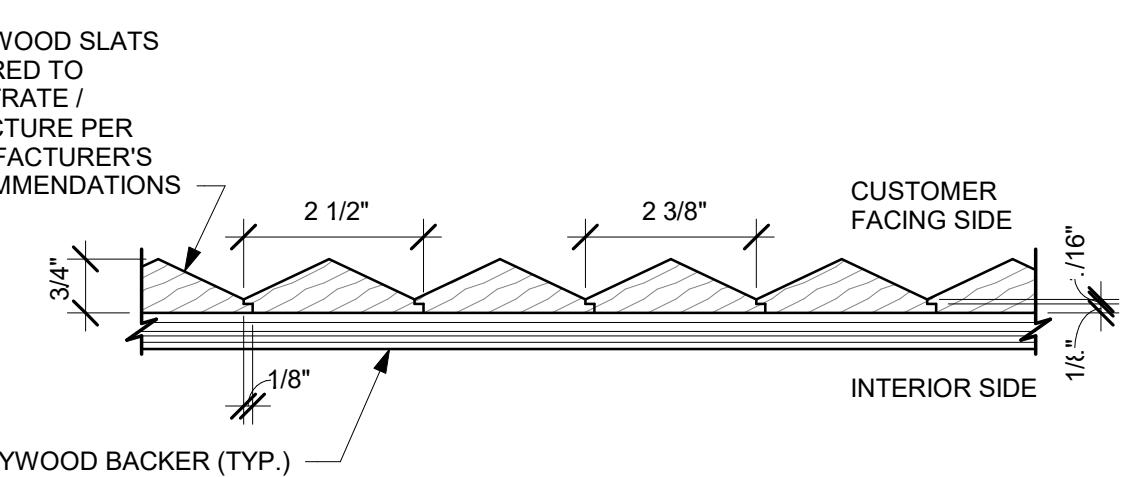
### 11 MERCHANDISE DISPLAY FIXTURE WALL ATTACHMENT

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



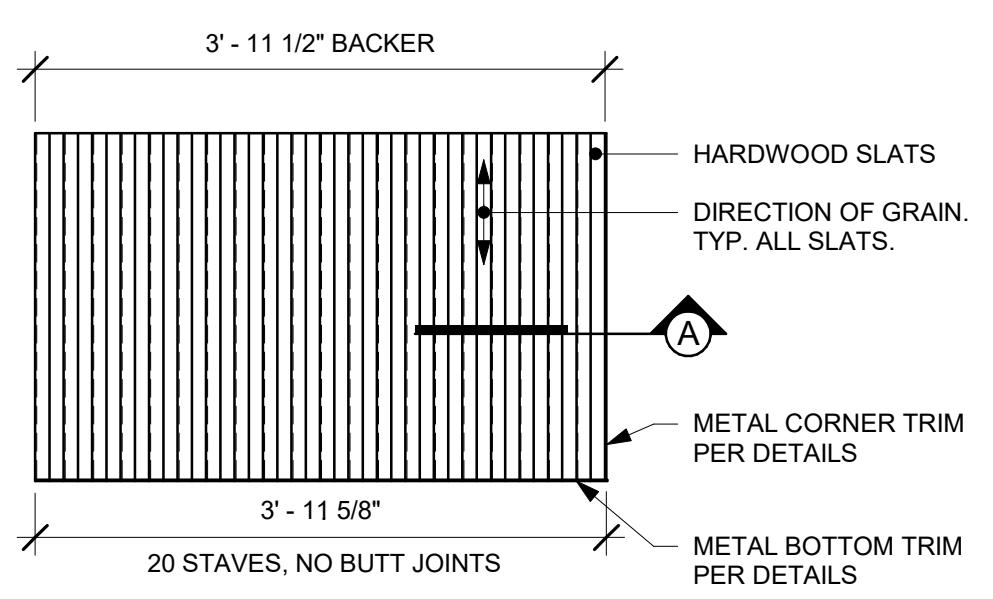
### 7 SST BACKSPLASH TO TILE TRANSITION

Scale: 6" = 1'-0"



INTERIOR SIDE TO BE SECURED TO SUBSTRATE / STRUCTURE PER DETAILS

**A** ENLARGED SECTION PROFILE  
NOT TO SCALE



### 1 FINISH APPLICATION (MAD 105-V) SLAT - PEAKS

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

### 2 FINISH PANEL - BUILT-UP COUNTERTOP OVERHANG

Scale: 3" = 1'-0"

34" MAX. AFF.  
3' - 11 1/2" BACKER  
HARDWOOD SLATS  
DIRECTION OF GRAIN.  
TYP. ALL SLATS.  
METAL CORNER TRIM  
PER DETAILS  
METAL BOTTOM TRIM  
PER DETAILS  
VARIES  
20 STAVES, NO BUTT JOINTS

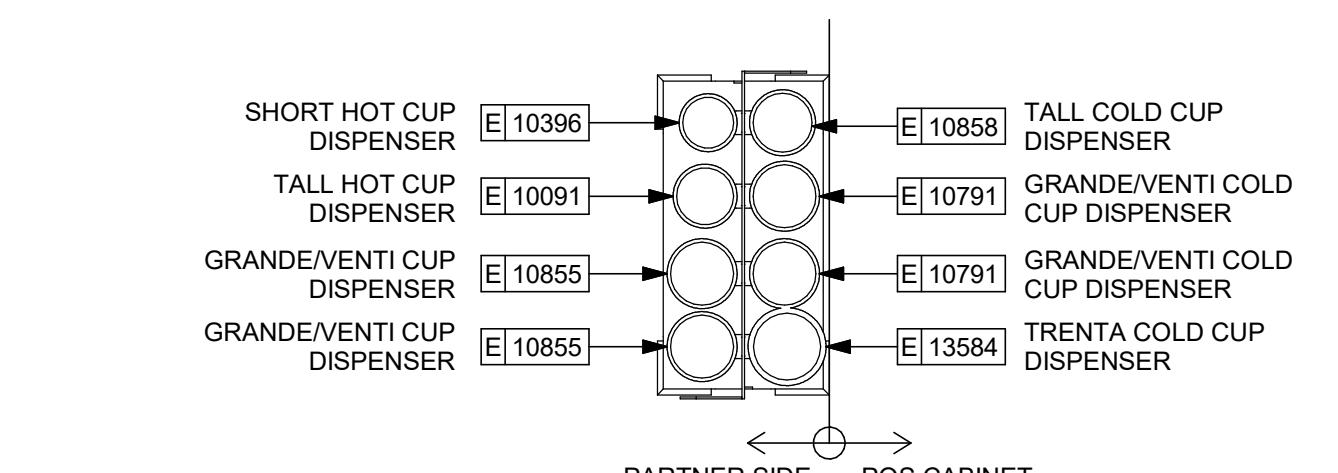
OPTIONAL LED STRIP  
LIGHTING BY OTHERS  
ALUM. Z-CLIPS, TYP.  
FINISH PANEL  
COUNTERTOP  
SUBSTRATE  
METAL ANGLE, TYP.  
DIEWALL  
NOTE:  
ALL COMPONENTS  
FURNISHED BY OTHERS  
AND INSTALLED BY G.C.  
UNLESS NOTED  
OTHERWISE.

### 3 ESP SHROUD - CORIAN

Scale: 3" = 1'-0"

34" MAX. A.F.F.  
2 1/2"  
1 1/2"  
1/2" MIN.  
COVE DETAIL ON THIS SIDE ONLY  
CORIAN COUNTERTOP  
SHROUD/SPLASH FINISH TO MATCH COUNTERTOP, TYP.

6"



### 4 CUP CADDY DETAIL

Scale: 1" = 1'-0"

### 1 FINISH APPLICATION (MAD 105-V) SLAT - PEAKS

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

### 2 FINISH PANEL - BUILT-UP COUNTERTOP OVERHANG

Scale: 3" = 1'-0"

34" MAX. AFF.  
3' - 11 1/2" BACKER  
HARDWOOD SLATS  
DIRECTION OF GRAIN.  
TYP. ALL SLATS.  
METAL CORNER TRIM  
PER DETAILS  
METAL BOTTOM TRIM  
PER DETAILS  
VARIES  
20 STAVES, NO BUTT JOINTS

OPTIONAL LED STRIP  
LIGHTING BY OTHERS  
ALUM. Z-CLIPS, TYP.  
FINISH PANEL  
COUNTERTOP  
SUBSTRATE  
METAL ANGLE, TYP.  
DIEWALL  
NOTE:  
ALL COMPONENTS  
FURNISHED BY OTHERS  
AND INSTALLED BY G.C.  
UNLESS NOTED  
OTHERWISE.

### 3 ESP SHROUD - CORIAN

Scale: 3" = 1'-0"

34" MAX. A.F.F.  
2 1/2"  
1 1/2"  
1/2" MIN.  
COVE DETAIL ON THIS SIDE ONLY  
CORIAN COUNTERTOP  
SHROUD/SPLASH FINISH TO MATCH COUNTERTOP, TYP.

6"

### 4 CUP CADDY DETAIL

Scale: 1" = 1'-0"

### 1 FINISH APPLICATION (MAD 105-V) SLAT - PEAKS

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

### 2 FINISH PANEL - BUILT-UP COUNTERTOP OVERHANG

Scale: 3" = 1'-0"

34" MAX. AFF.  
3' - 11 1/2" BACKER  
HARDWOOD SLATS  
DIRECTION OF GRAIN.  
TYP. ALL SLATS.  
METAL CORNER TRIM  
PER DETAILS  
METAL BOTTOM TRIM  
PER DETAILS  
VARIES  
20 STAVES, NO BUTT JOINTS

OPTIONAL LED STRIP  
LIGHTING BY OTHERS  
ALUM. Z-CLIPS, TYP.  
FINISH PANEL  
COUNTERTOP  
SUBSTRATE  
METAL ANGLE, TYP.  
DIEWALL  
NOTE:  
ALL COMPONENTS  
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AND INSTALLED BY G.C.  
UNLESS NOTED  
OTHERWISE.

### 3 ESP SHROUD - CORIAN

Scale: 3" = 1'-0"

34" MAX. A.F.F.  
2 1/2"  
1 1/2"  
1/2" MIN.  
COVE DETAIL ON THIS SIDE ONLY  
CORIAN COUNTERTOP  
SHROUD/SPLASH FINISH TO MATCH COUNTERTOP, TYP.

6"

### 4 CUP CADDY DETAIL

Scale: 1" = 1'-0"



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STARBUCKS TEMPLATE VERSION i2023.04.24



LIC. # 184-007100

520 South Main Street, Suite 2351  
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GPD PROJECT NUMBER: 023262.13

AARON M. RODEBAUGH  
001-022424

signature

01/19/2024

date

expires 11-30-2024

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**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
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SHEET TITLE:  
**DESIGN DETAILS**

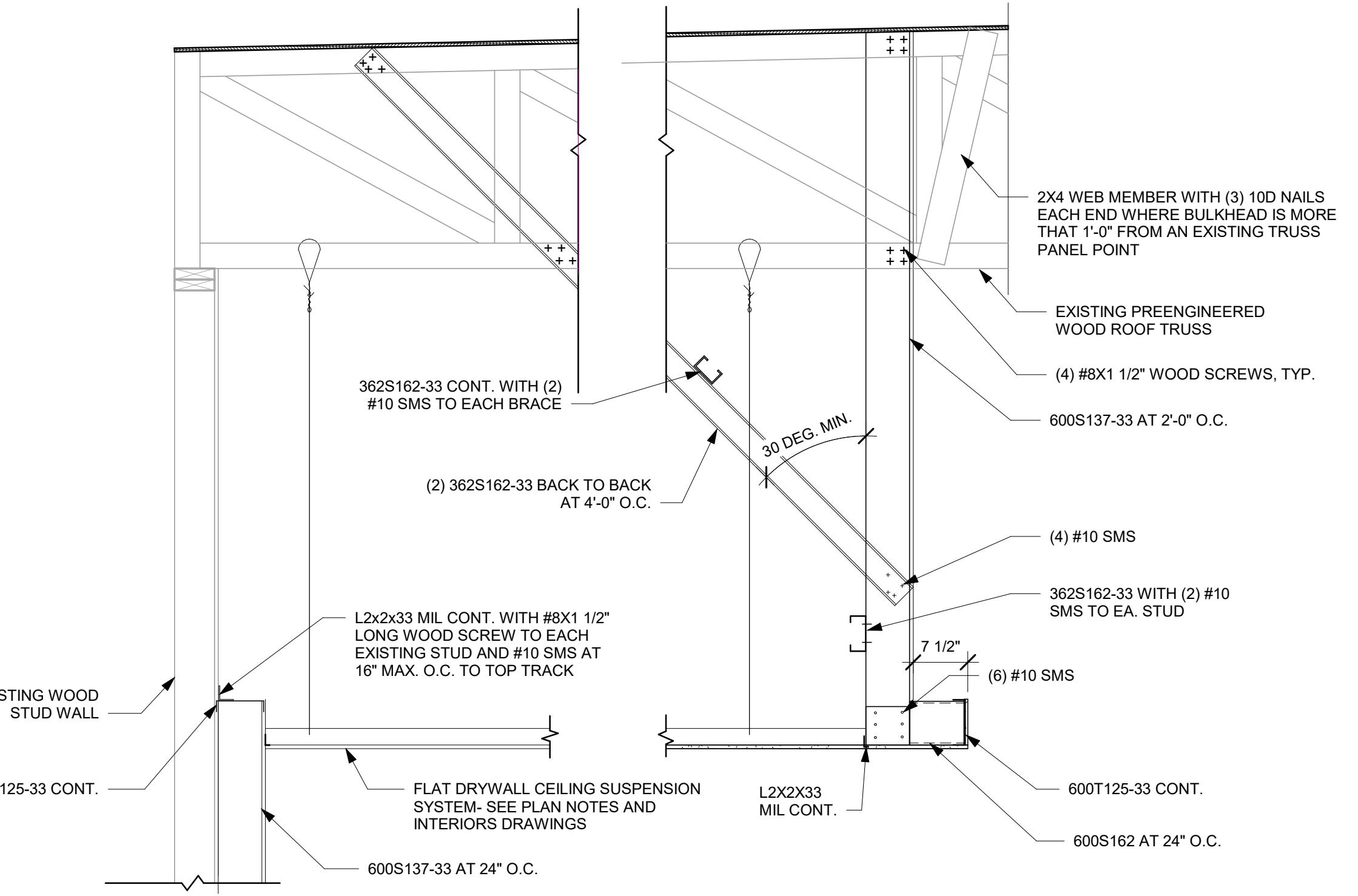
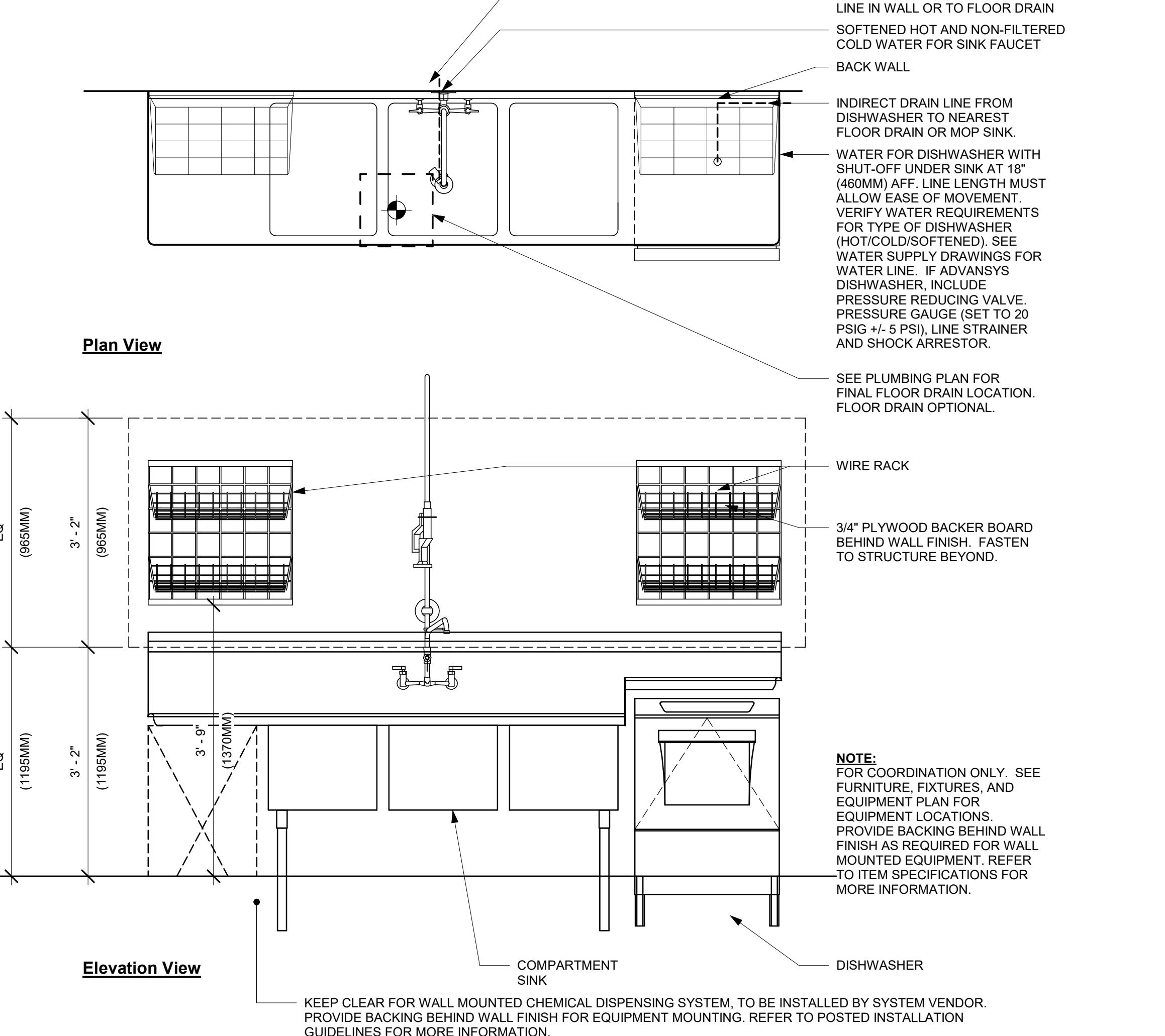
SCALE: AS SHOWN

SHEET NUMBER:

1503

**3 CONFIGURATION III (TANKLESS WH)**

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





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520 South Main Street, Suite 2351  
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GPD PROJECT NUMBER ARCH/2023262.13



PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

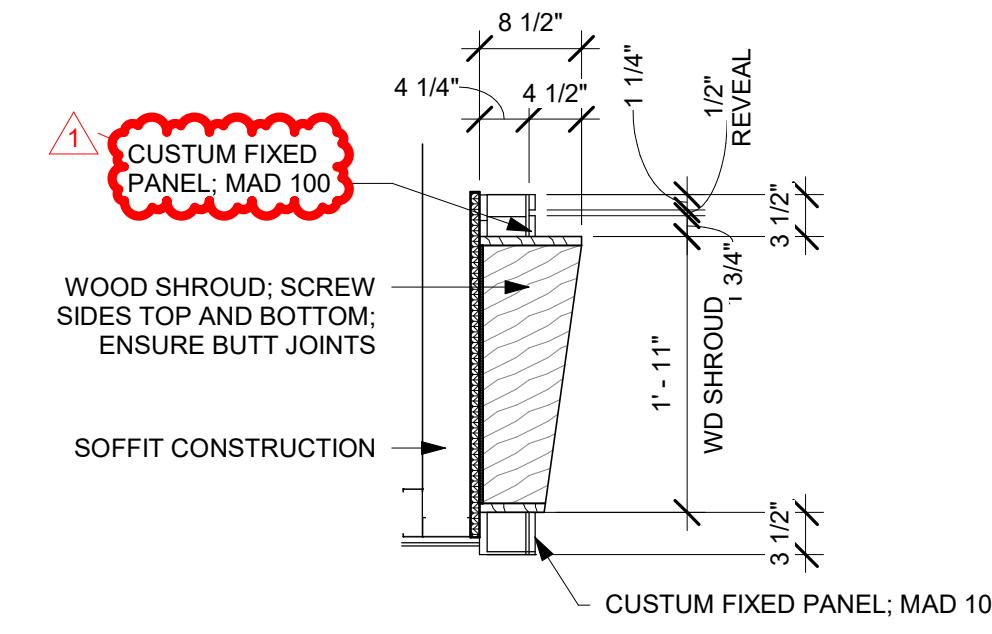
Revision Schedule

| Rev | Date   | By | Description |
|-----|--------|----|-------------|
| 1   | 3/7/24 |    | Revision 1  |
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SHEET TITLE:  
**SOFFIT DETAILS**

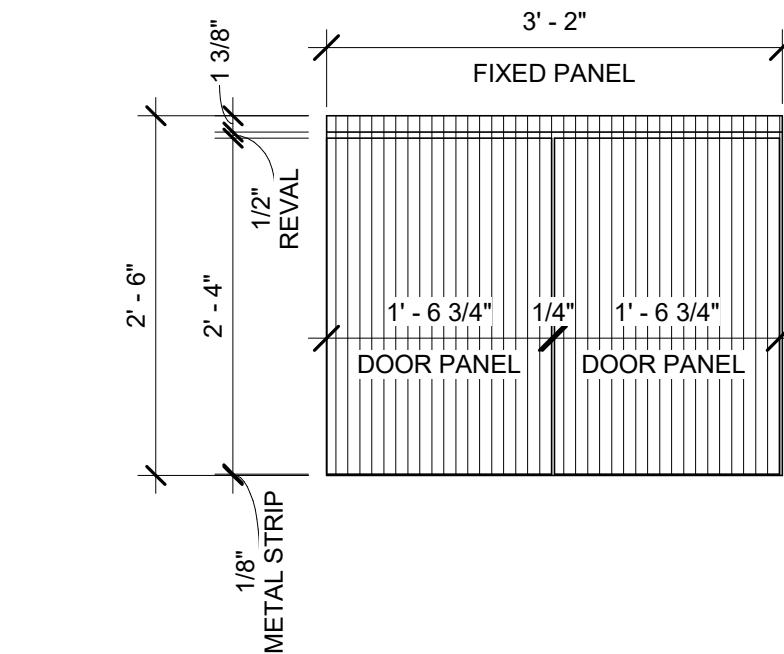
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**1505**



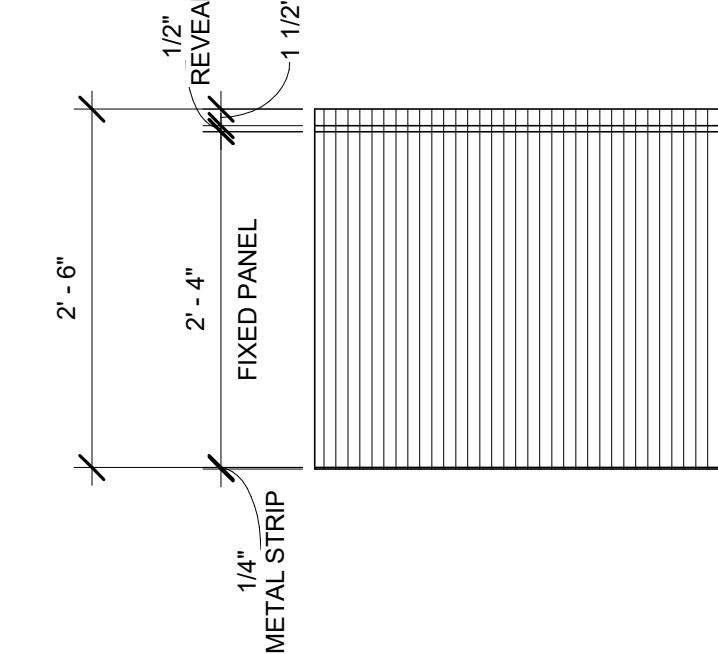
⑥ SECTION THROUGH WD SHROUD

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



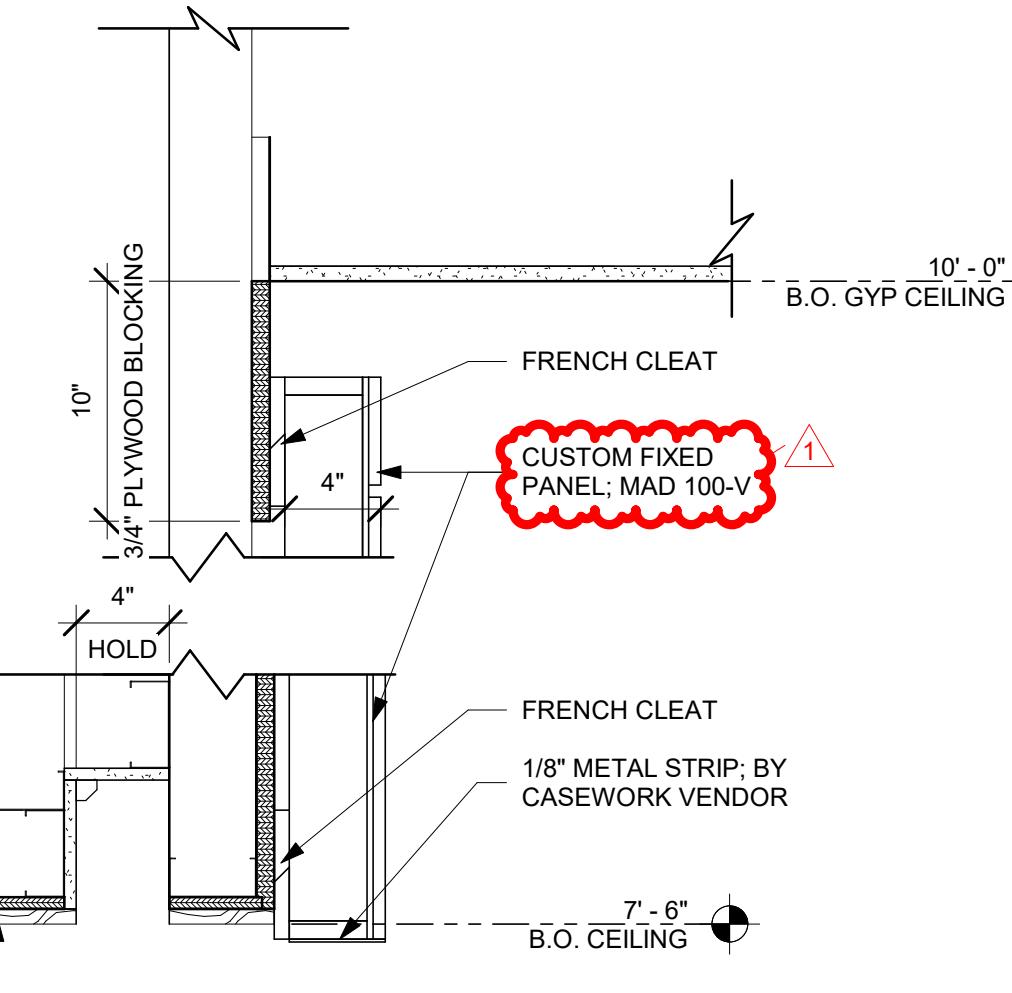
④ ACCESS PANEL ELEVATION

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



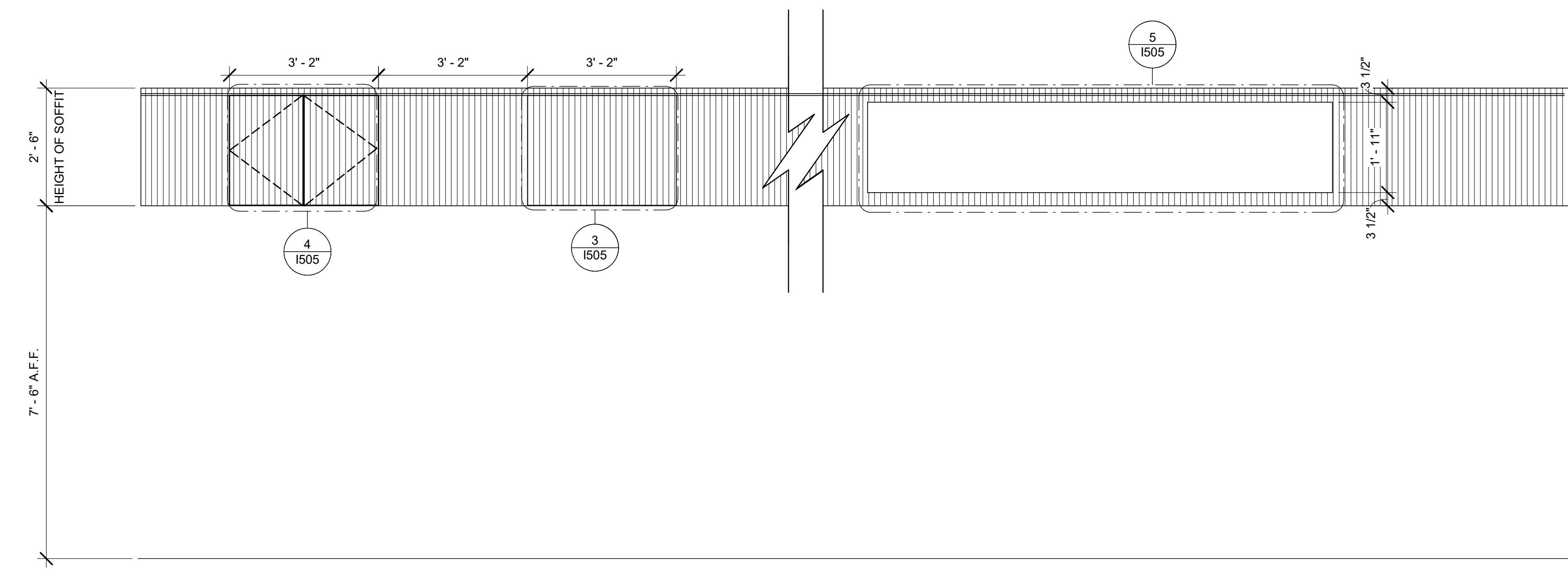
③ FIXED PANEL ELEVATION

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



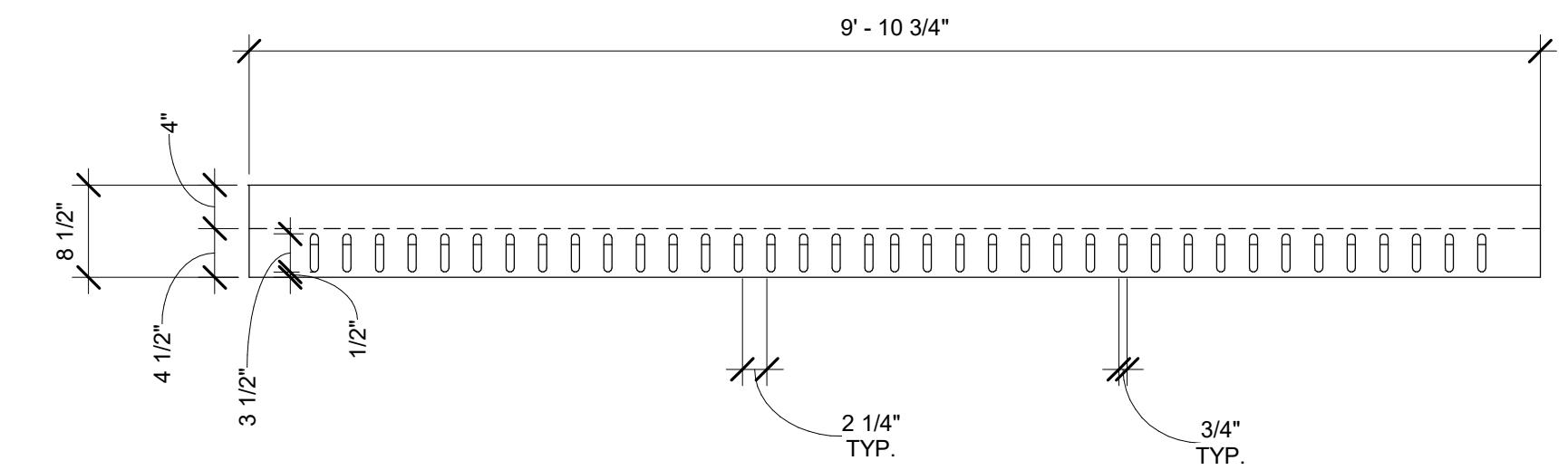
① WOOD PANEL SOFFIT DETAIL

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



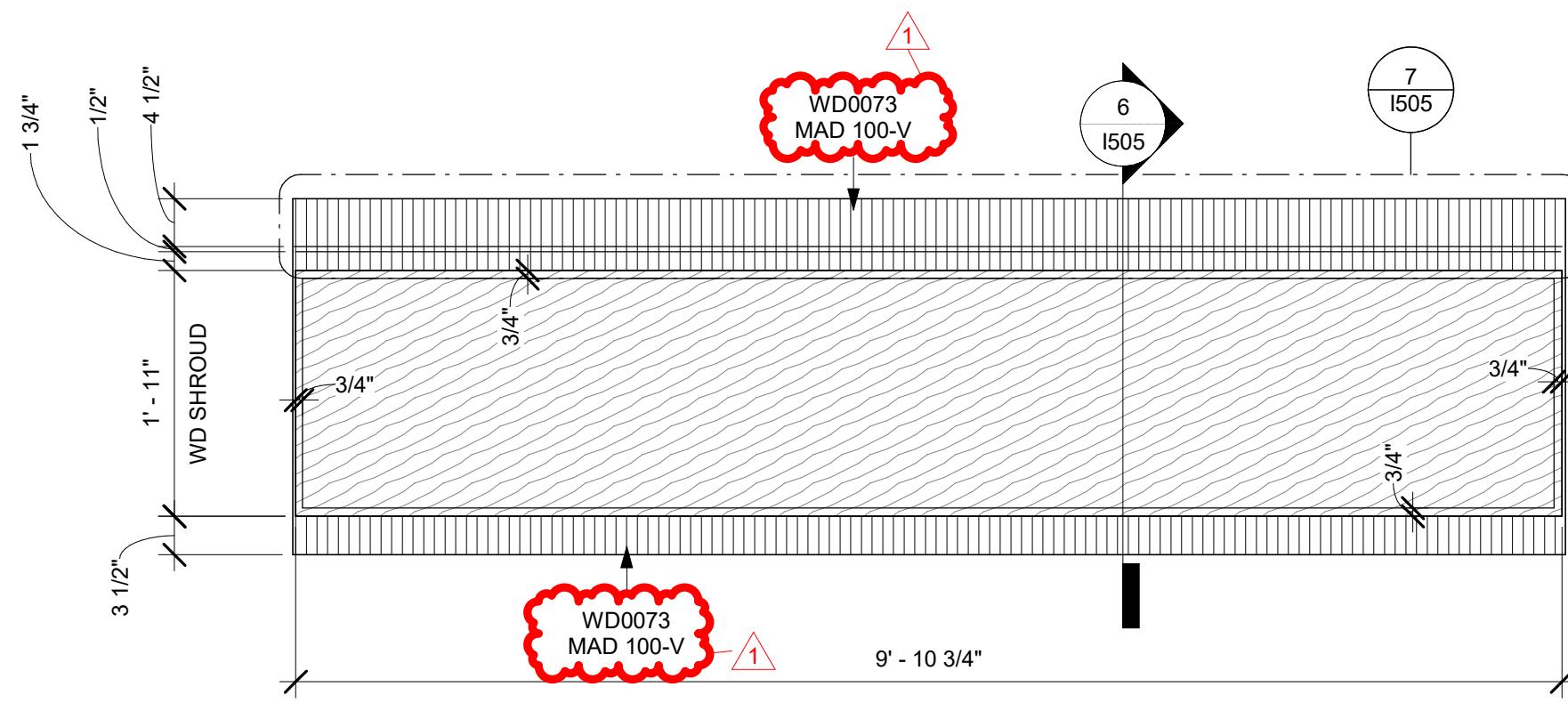
② INTERIOR BACKBAR SOFFIT ELEVATION

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



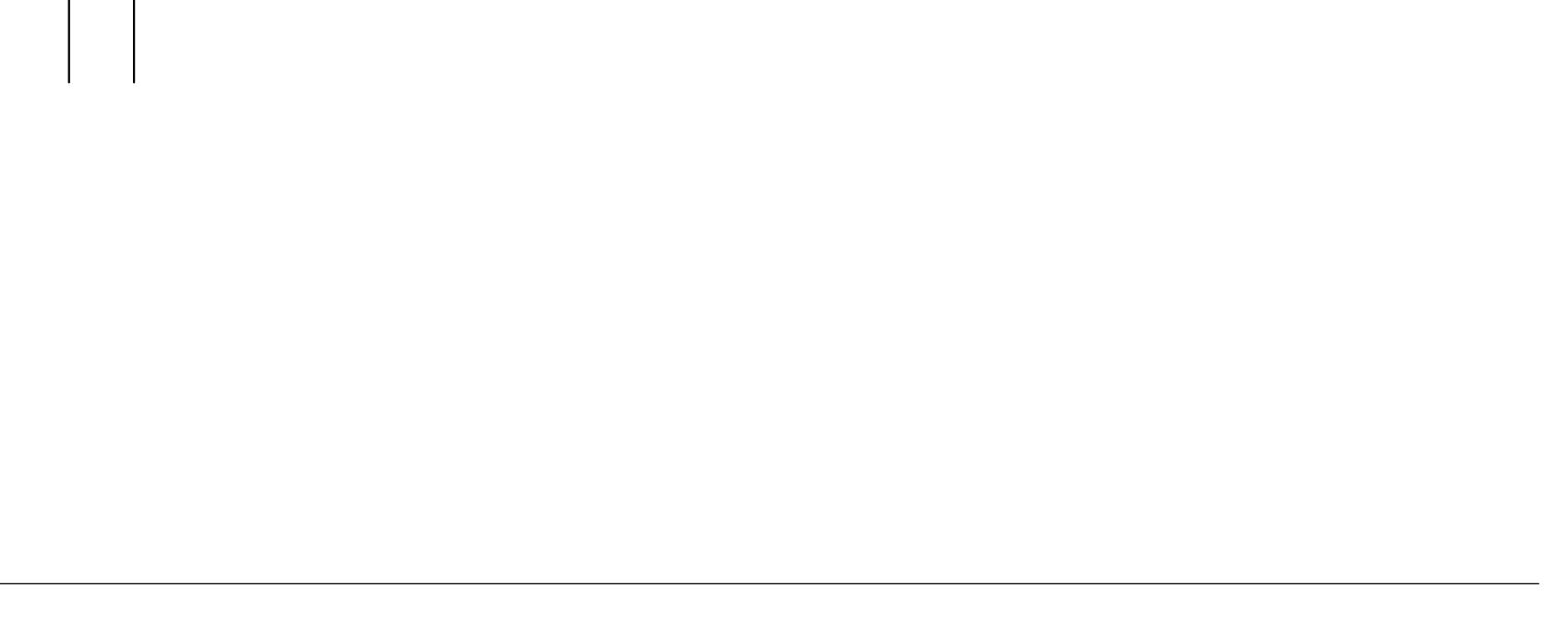
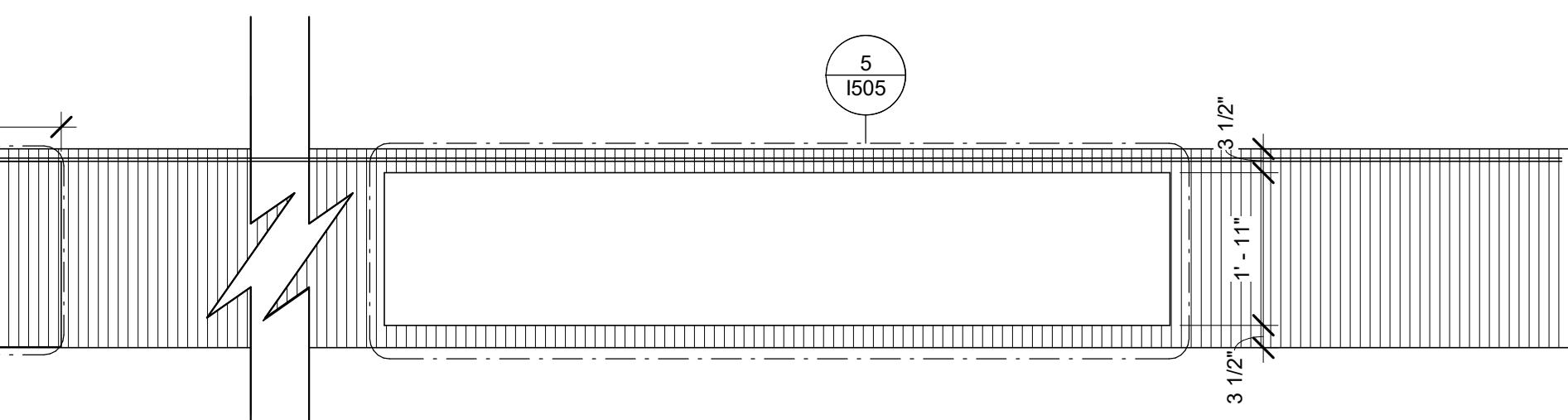
⑦ WOOD SHROUD VENTING GRILLES

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



⑤ INTERIOR BACKBAR SOFFIT DETAIL @ DIGITAL MENU BOARDS

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





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STARBUCKS TEMPLATE VERSION I2023.04.24

**GPD GROUP, INC.®**  
LIC. # - 184-007100

520 South Main Street, Suite 2351  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER ARCH/2023262.13

AARON M. RODEBAUGH  
001-022424  
*ATM*  
signature  
03/07/24  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

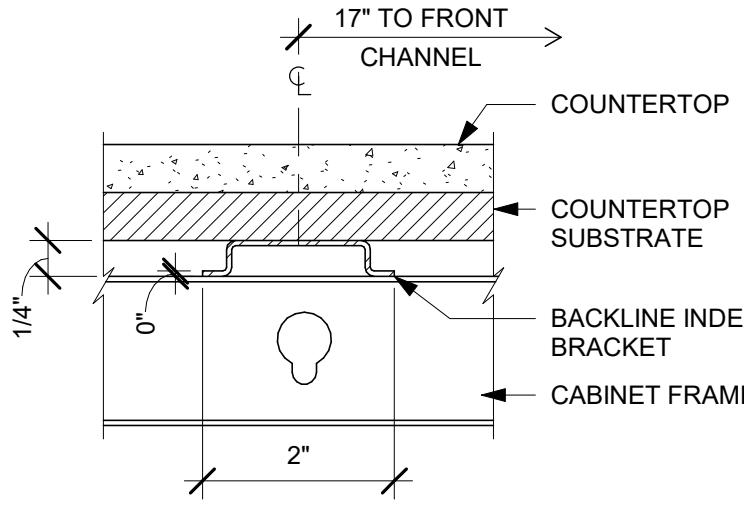
STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date   | By | Description |
|-----|--------|----|-------------|
| 1   | 3/7/24 |    | Revision 1  |

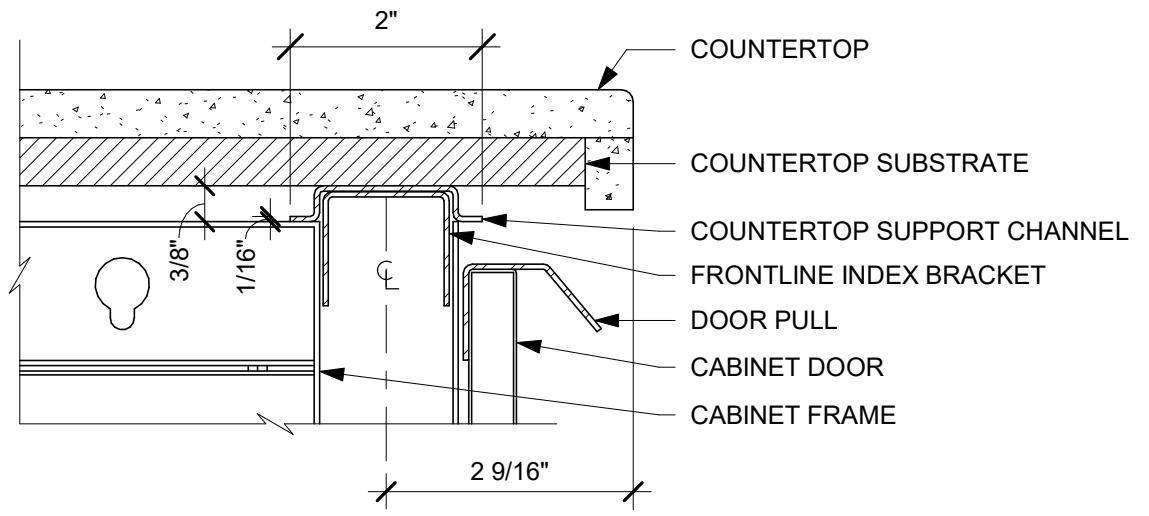
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**AC DETAILS**

SCALE: AS SHOWN



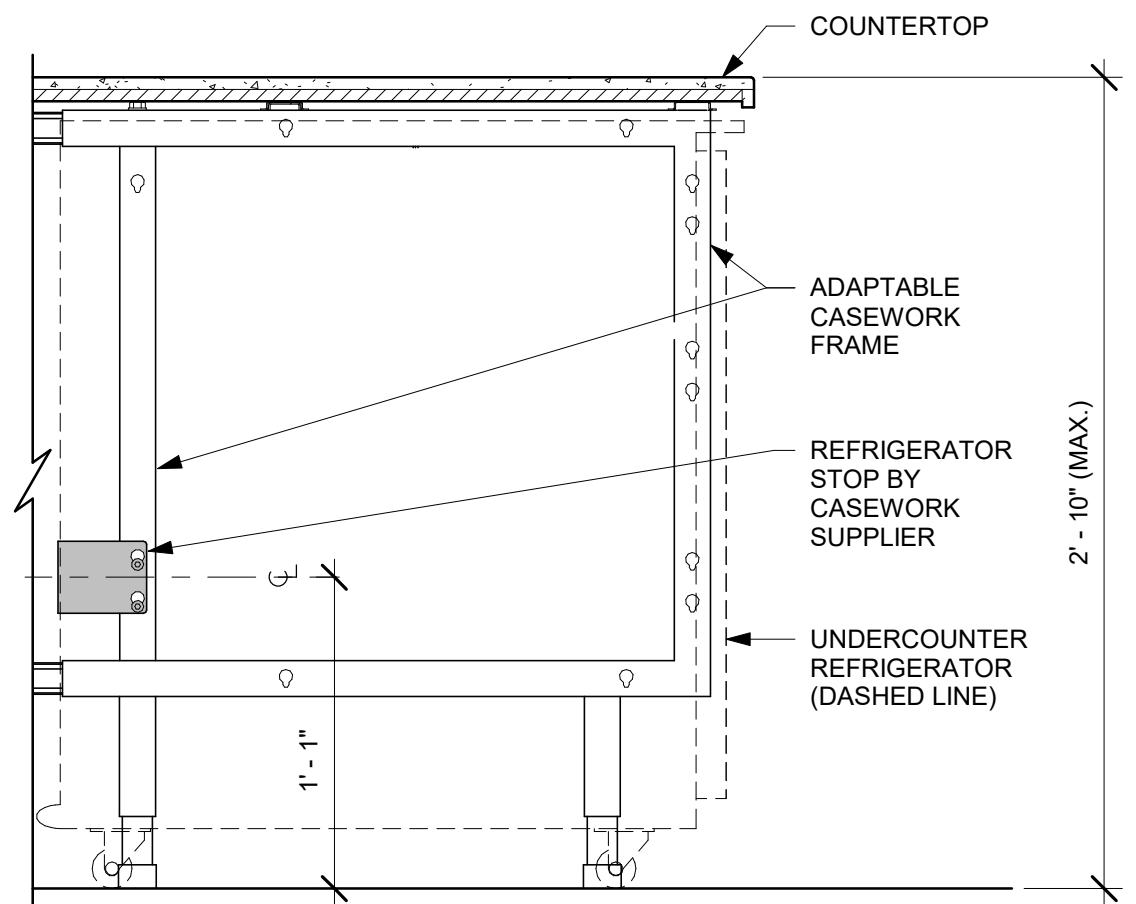
8 AC COUNTERTOP SUPPORT CHANNEL

Scale: 6" = 1'-0"



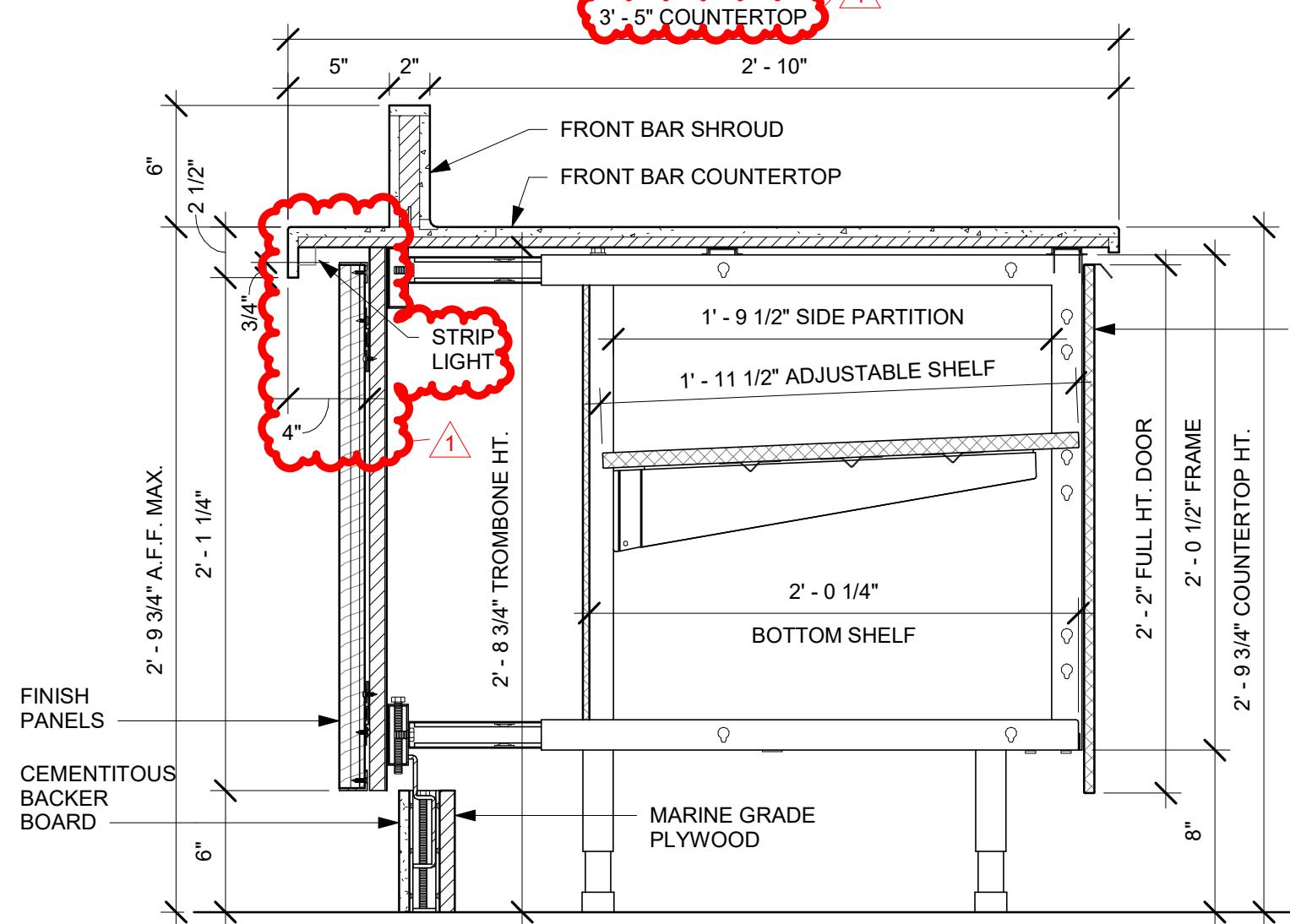
7 AC COUNTERTOP FRONT HAT SUPPORT CHANNEL

Scale: 6" = 1'-0"



4 AC UNDERCOUNTER REFRIGERATOR SECTION

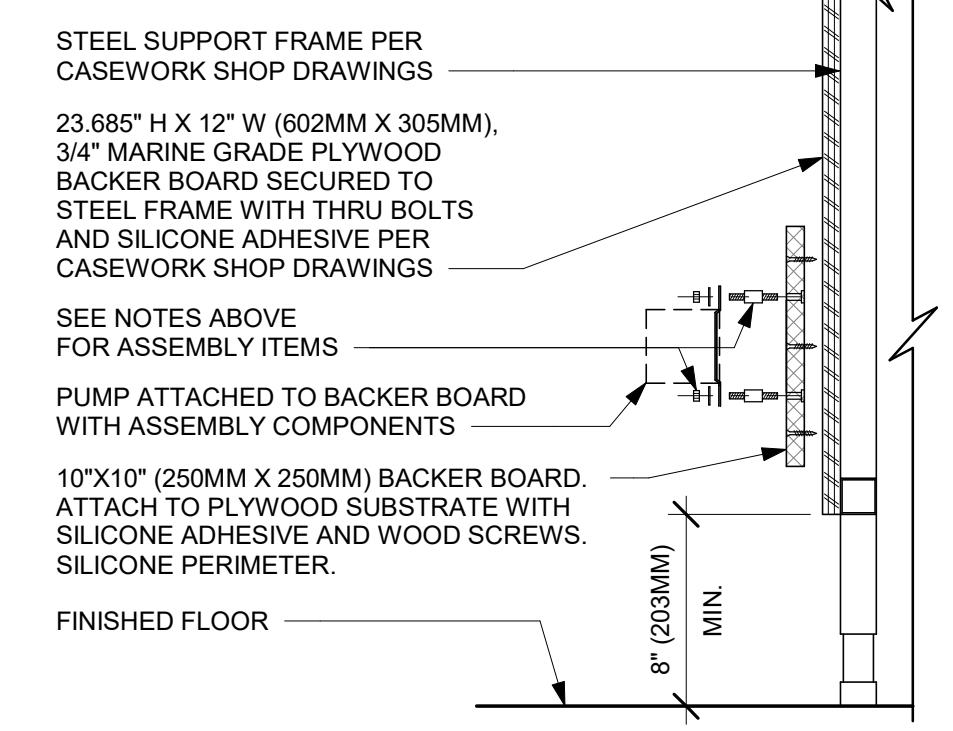
Scale: 1 1/2" = 1'-0"



1 AC FRONT BAR CABINET ASSEMBLY ON LEGS SECTION

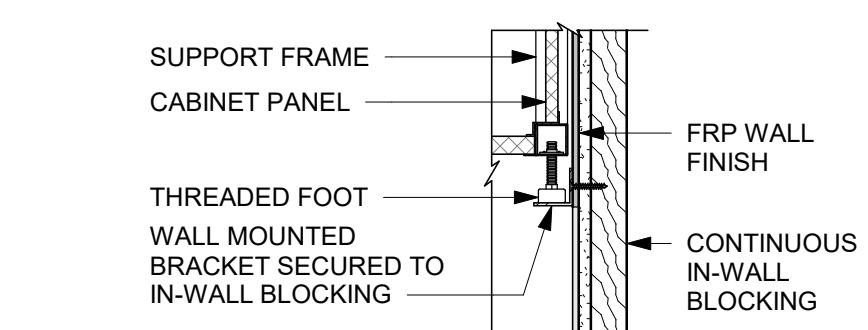
Scale: 1 1/2" = 1'-0"

- NOTES:
1. LOCATE PUMP WITHIN CORD LENGTH LIMIT. ORIENT WITH PUMP HEAD LEFT, RIGHT AND AT BOTTOM. LOOSEN PUMP HEAD CLAMP, ROTATE AND RE-TIGHTEN AS REQUIRED PER ORIENTATION TO PROVIDE FRONT ACCESS TO FLOW. ADJUSTMENT WITHIN CORD LENGTH LIMIT.
  2. USE LOCKTITE ON ISOLATOR THREADS. DO NOT OVER TIGHTEN.
  3. LOOSEN PUMP HEAD CLAMP, ROTATE AND RE-TIGHTEN AS REQUIRED FOR PUMP ORIENTATION.
  4. EACH BACKER BOARD'S ASSEMBLY COMPONENTS INCLUDE:
    - (1) BACKER BOARDS
    - (4) TENETS, 1/4-20 VENDOR MOUNTED
    - (8) WOOD SCREWS #8 1-1/4" (32MM)
    - (4) NEOPRENE ISOLATORS, KARMAN RUBBER, K84-60 NEOPRENE
    - (4) LOCK NUTS, 1/4-20 NYLON
    - (4) WASHERS, 1/4" (7MM) FLAT



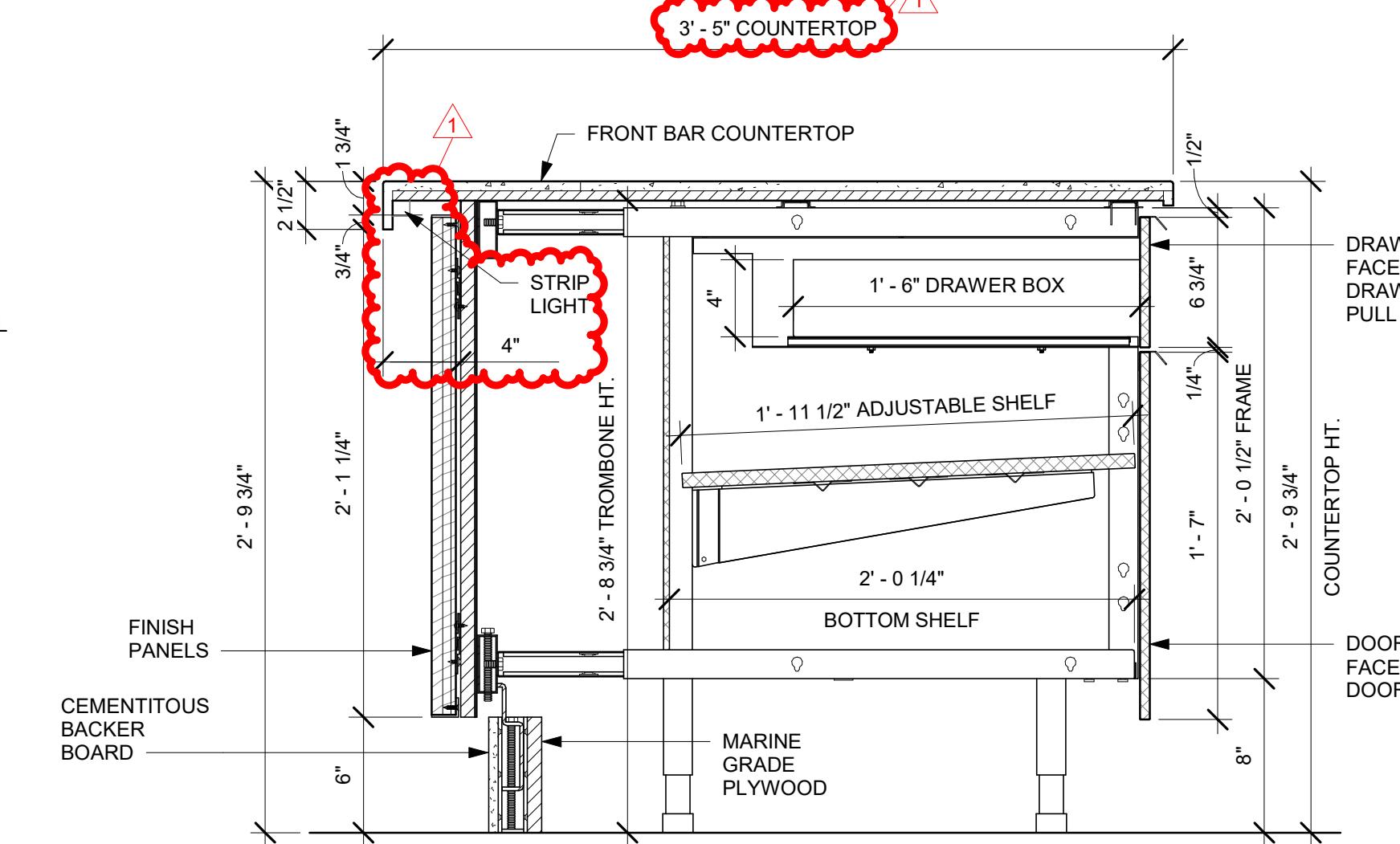
9 ESPRESSO PUMP MOUNTED AT CABINET

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



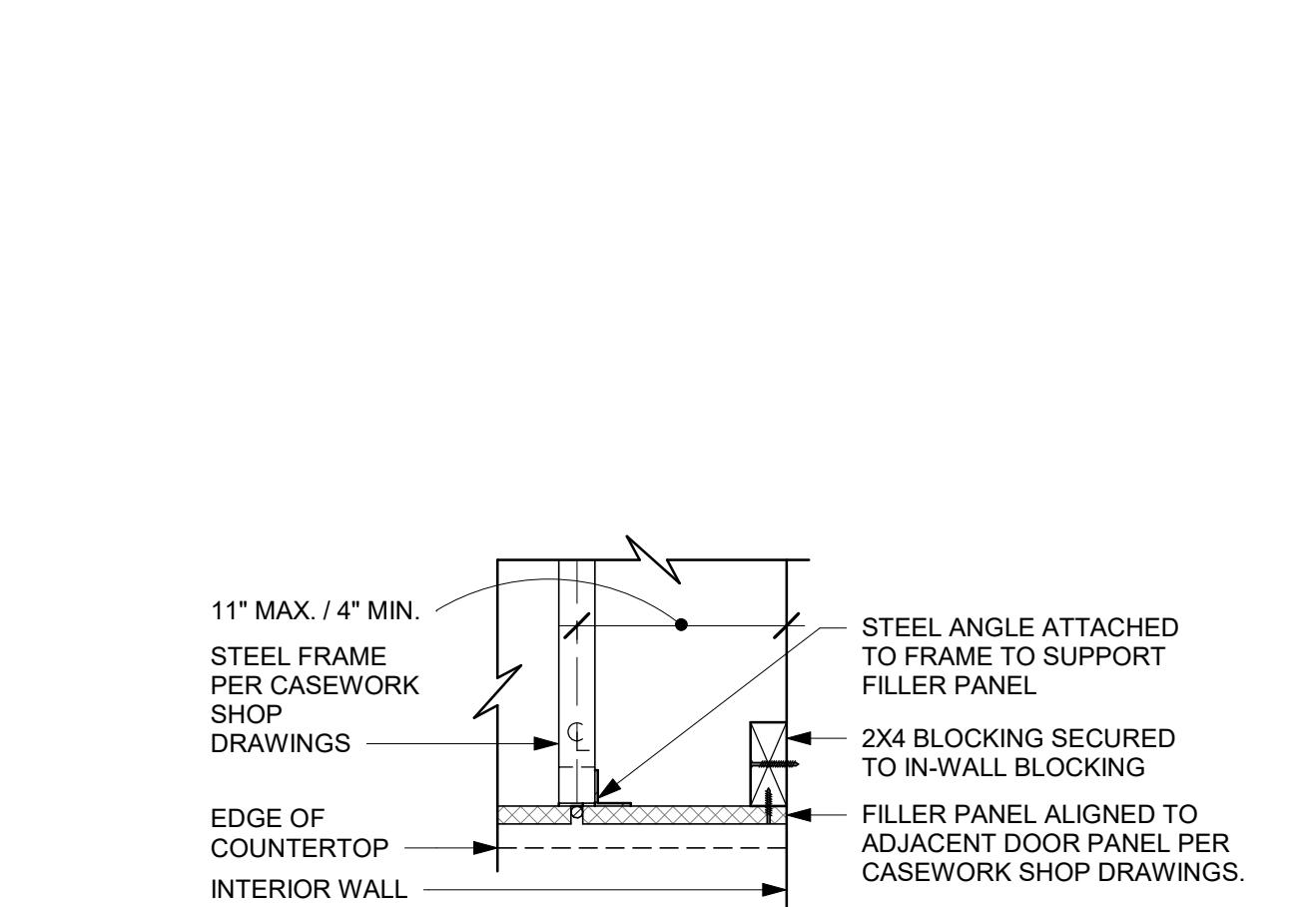
5 AC BACKLINE WALL BRACKET ASSEMBLY

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

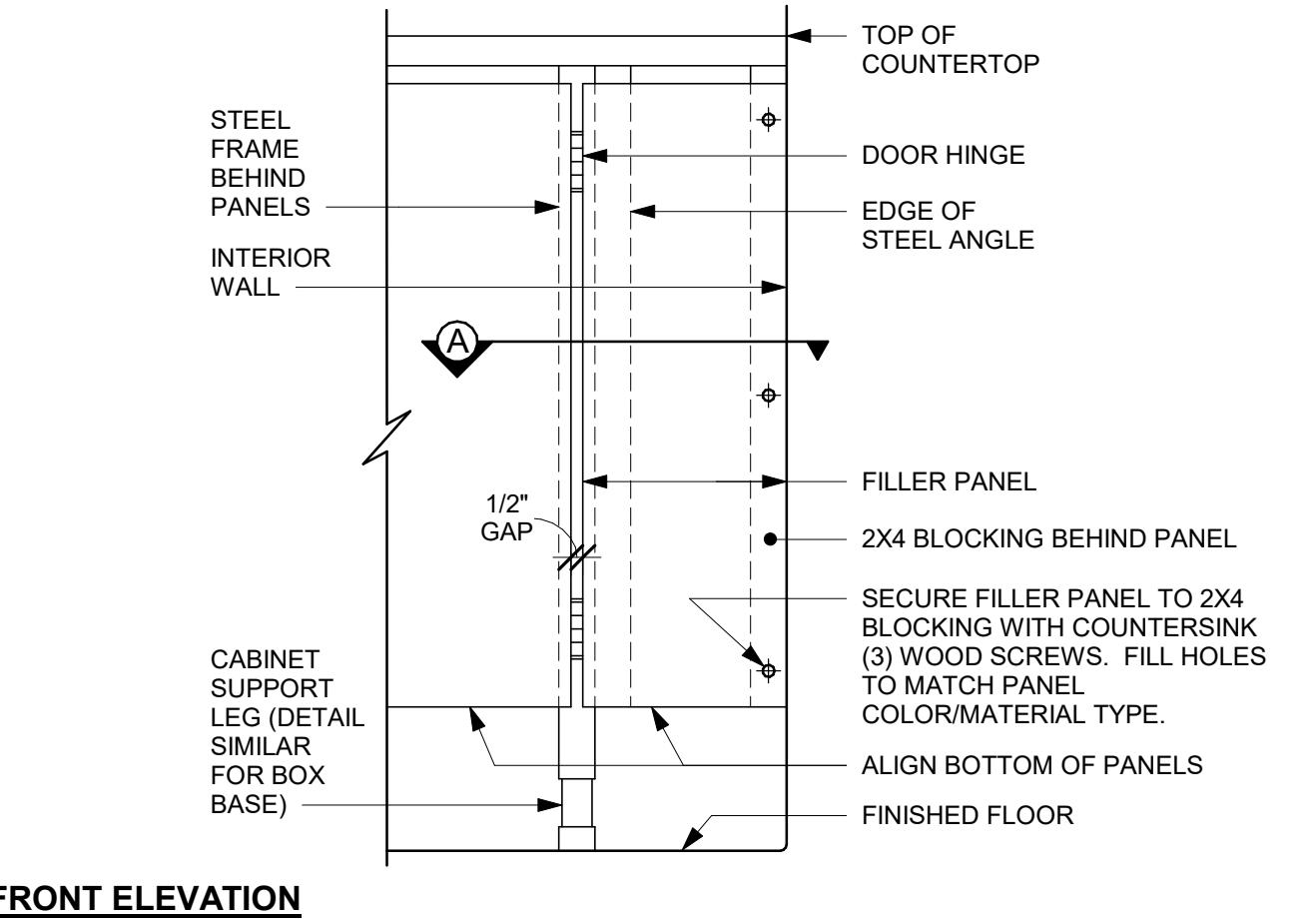


2 AC FRONT BAR DRAWER CABINET ASSEMBLY ON LEGS SECTION

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



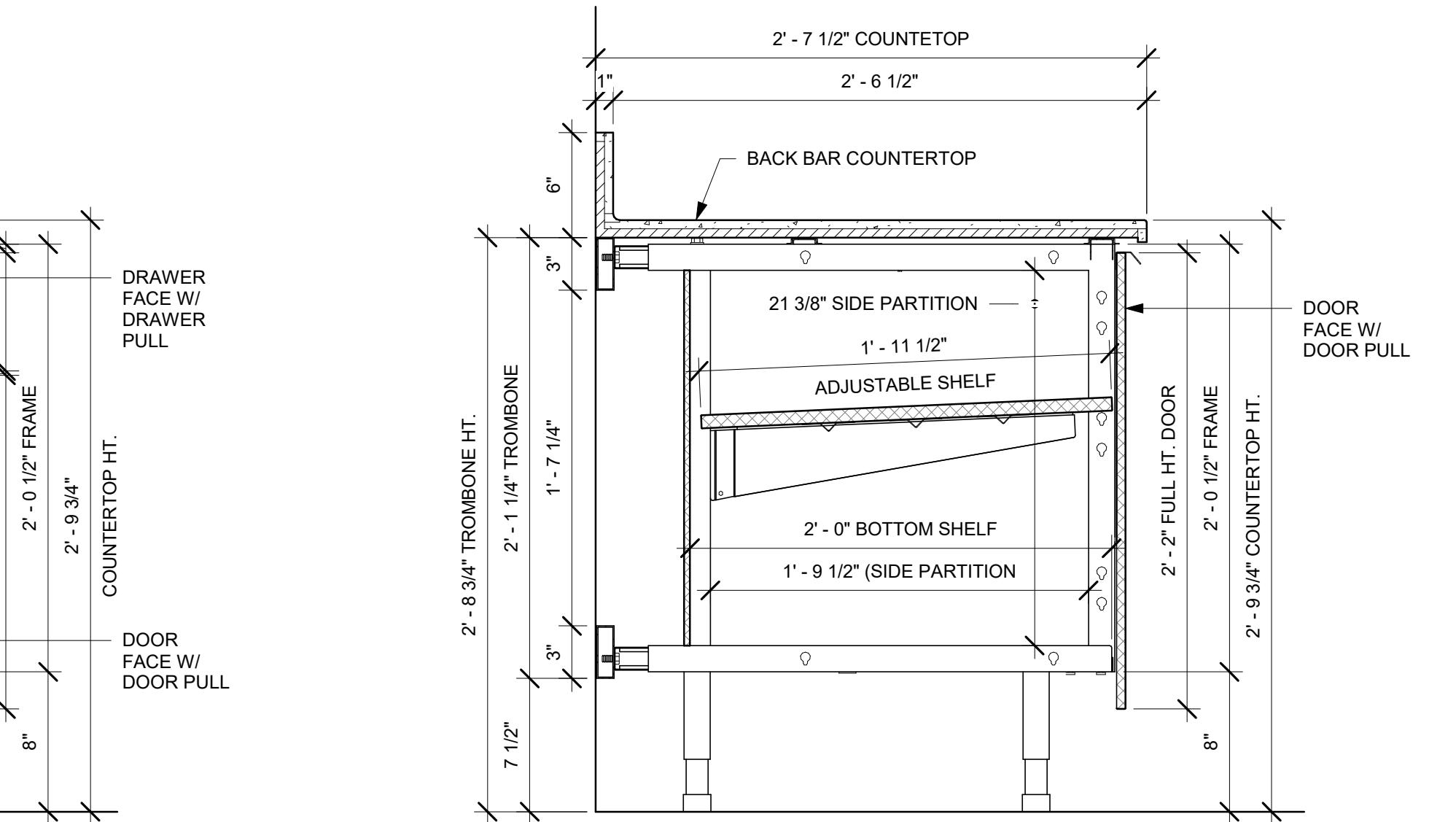
SECTION A



FRONT ELEVATION

6 FILLER PANEL AT WALL

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



3 AC BACK BAR CABINET ASSEMBLY ON LEGS SECTION

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



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STARBUCKS TEMPLATE VERSION i2023.04.24

**GPD GROUP, INC.\***  
LIC. # - 184-007100

520 South Main Street, Suite 2331  
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330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: 001-023262.13

AARON M. RODEBAUGH  
001-022424  
*ATM*  
signature

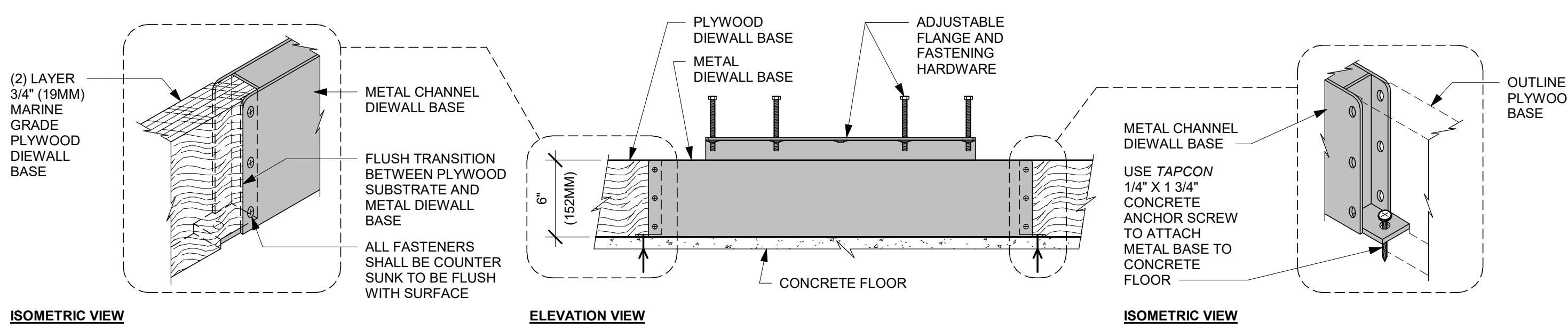
01/19/2024  
date  
expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

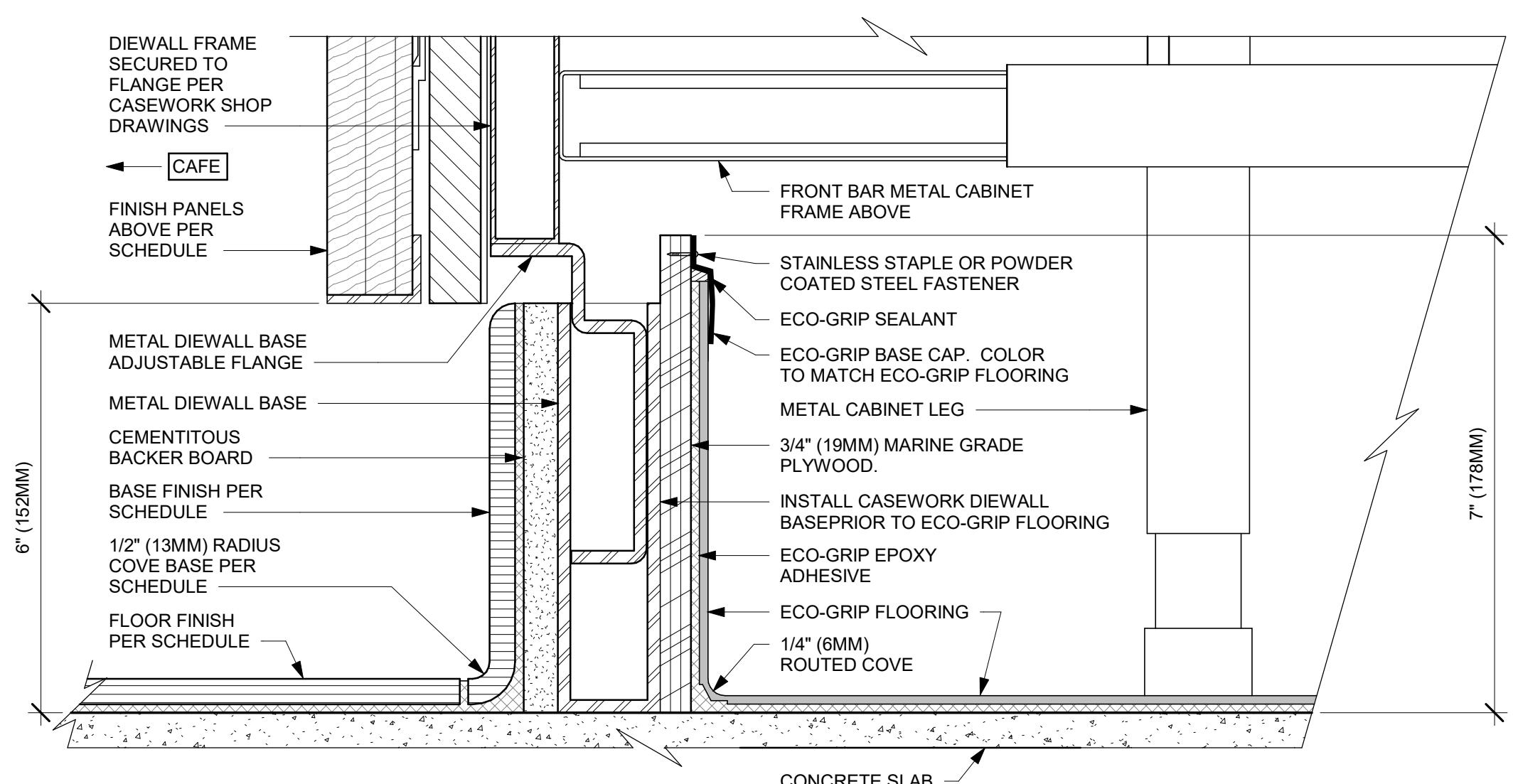
STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |

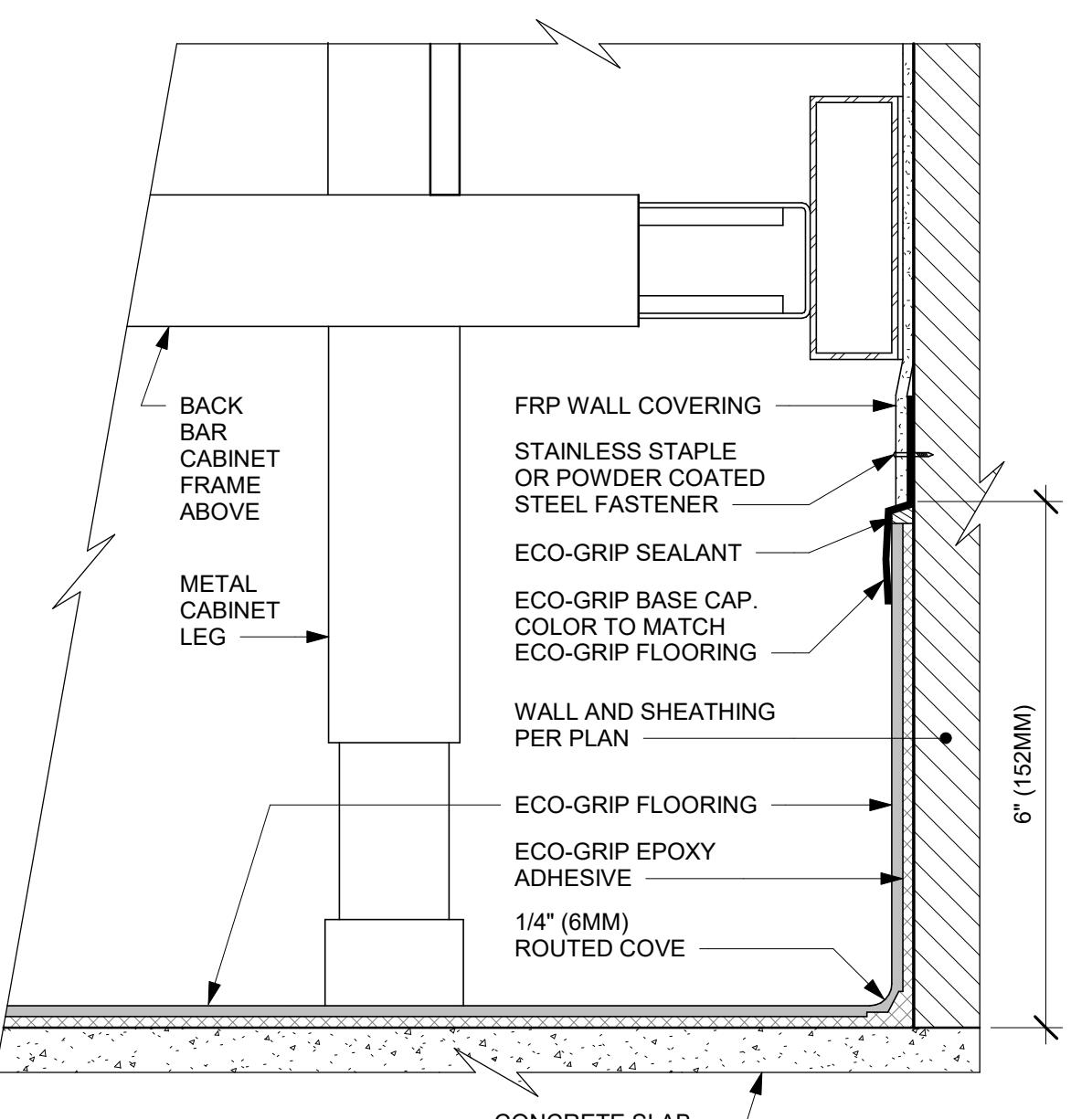
SHEET TITLE:  
**AC DETAILS**  
SCALE: AS SHOWN  
SHEET NUMBER:  
1507



**③ AC FRONT BAR DIEWALL METAL TO WOOD BASE TRANSITION**  
Scale: 1 1/2" = 1'-0"



**① ECO-GRIP AC FRONT BAR CABINET ON LEGS**  
Scale: 6" = 1'-0"



**② ECO-GRIP AC BACK BAR CABINET ON LEGS**  
Scale: 6" = 1'-0"



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**GPD GROUP, INC.®**  
LIC. # - 184-007100

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GPD PROJECT NUMBER: 001-02242

AARON M. RODEBAUGH  
001-022424

signature

01/19/2024

date

expires 11-30-2024

PROJECT NAME:  
**RANDALL AND ACKMAN RD**  
CRYSTAL LAKE, IL 60014

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
CRYSTAL LAKE, IL 60014

STORE #: 70143  
PROJECT #: 95175-002  
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DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
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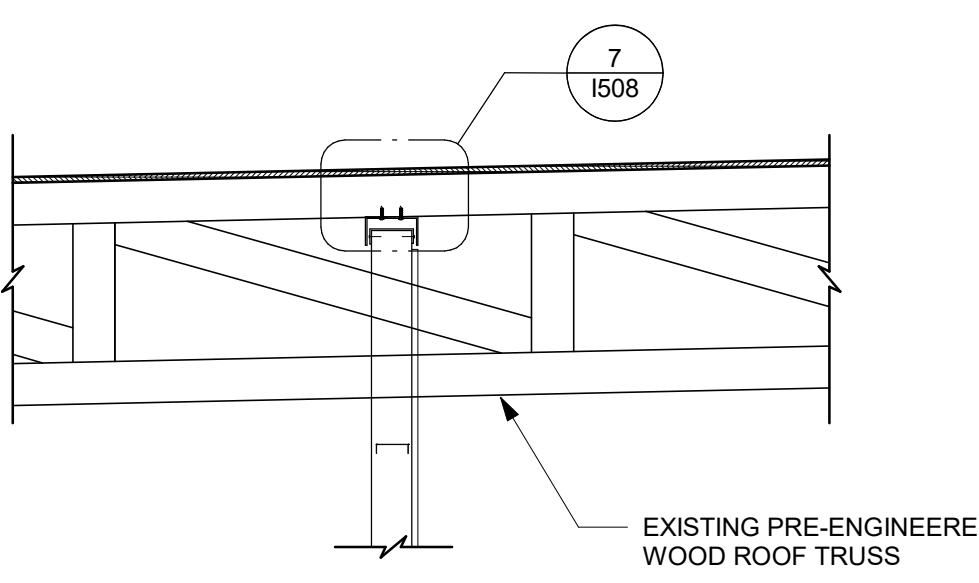
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**TYP. PARTITION WALL TOP DETAILS**  
SCALE: AS SHOWN

SHEET NUMBER:

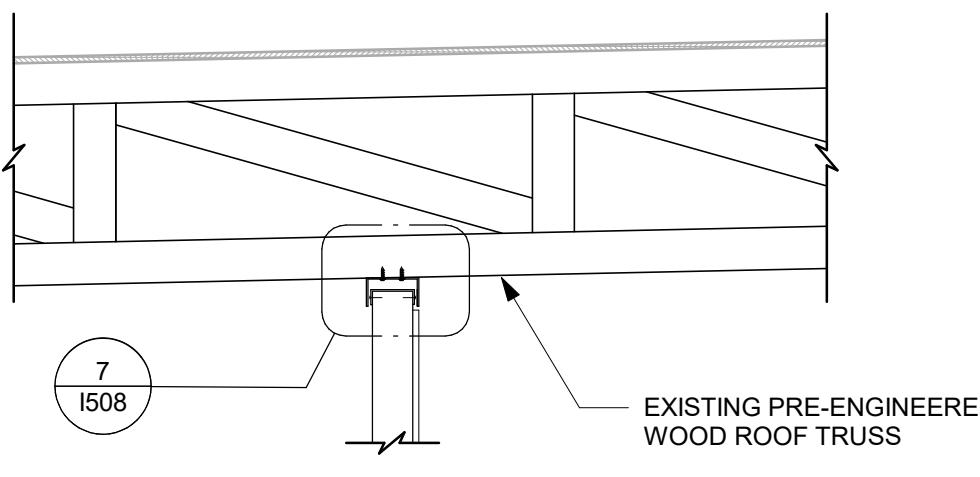
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### PLAN NOTES

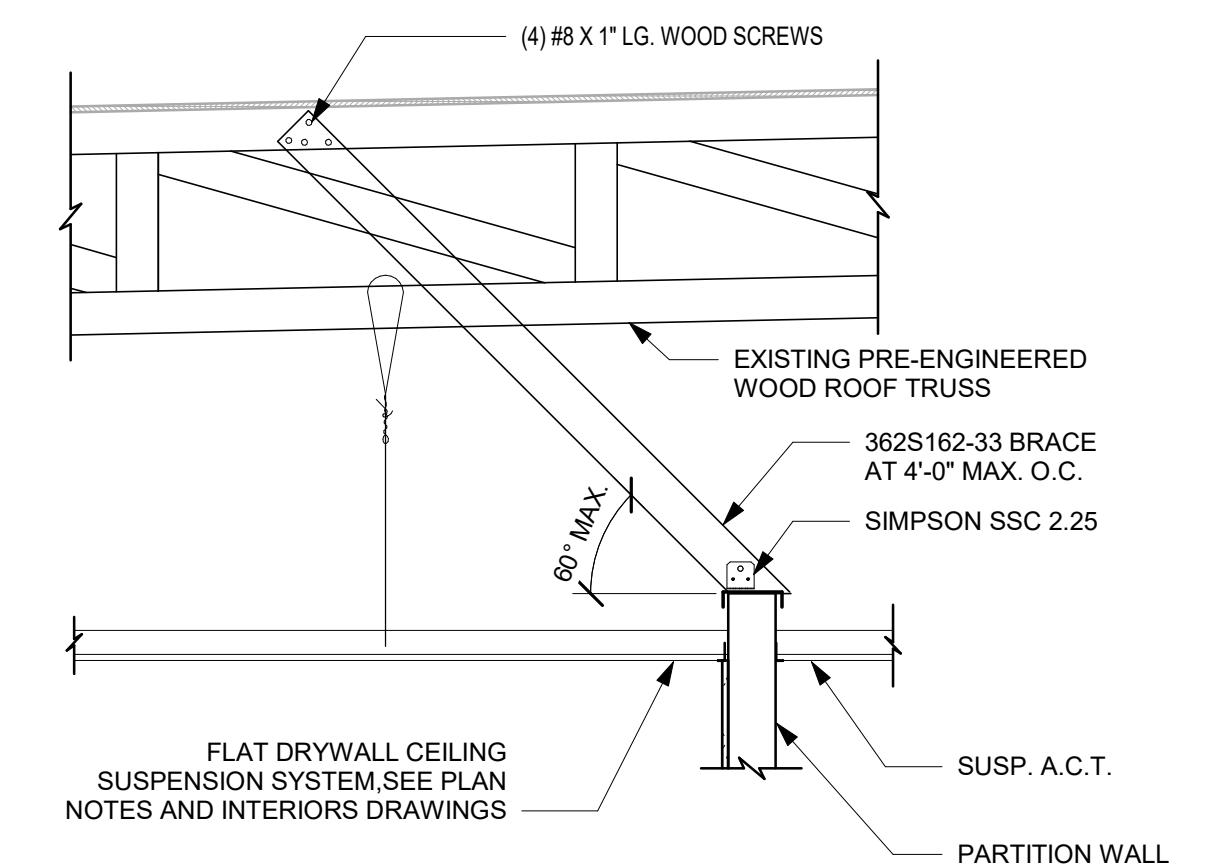
- A. SEE INTERIORS DRAWINGS FOR TOP OF WALL LOCATIONS.
- B. DETAILS DEPICT WALL ATTACHMENTS FOR ROOFS FRAMED WITH PRE-ENGINEERED WOOD TRUSSES. CONNECTIONS WILL BE SIMILAR FOR OTHER FRAMING MATERIALS.



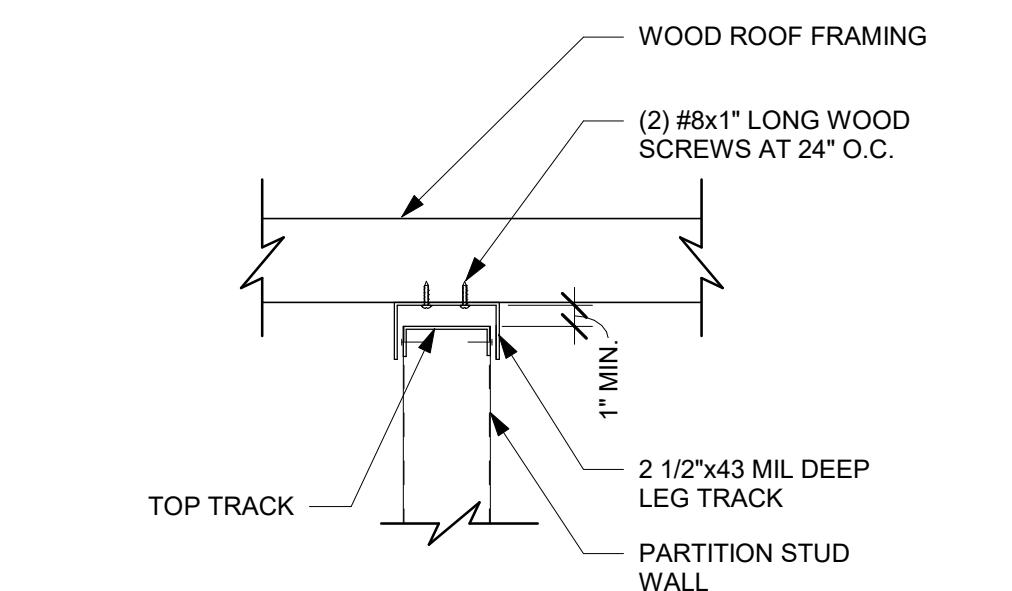
4 TYP. WALL PERP. TO TRUSSES  
Scale: 3/4" = 1'-0"



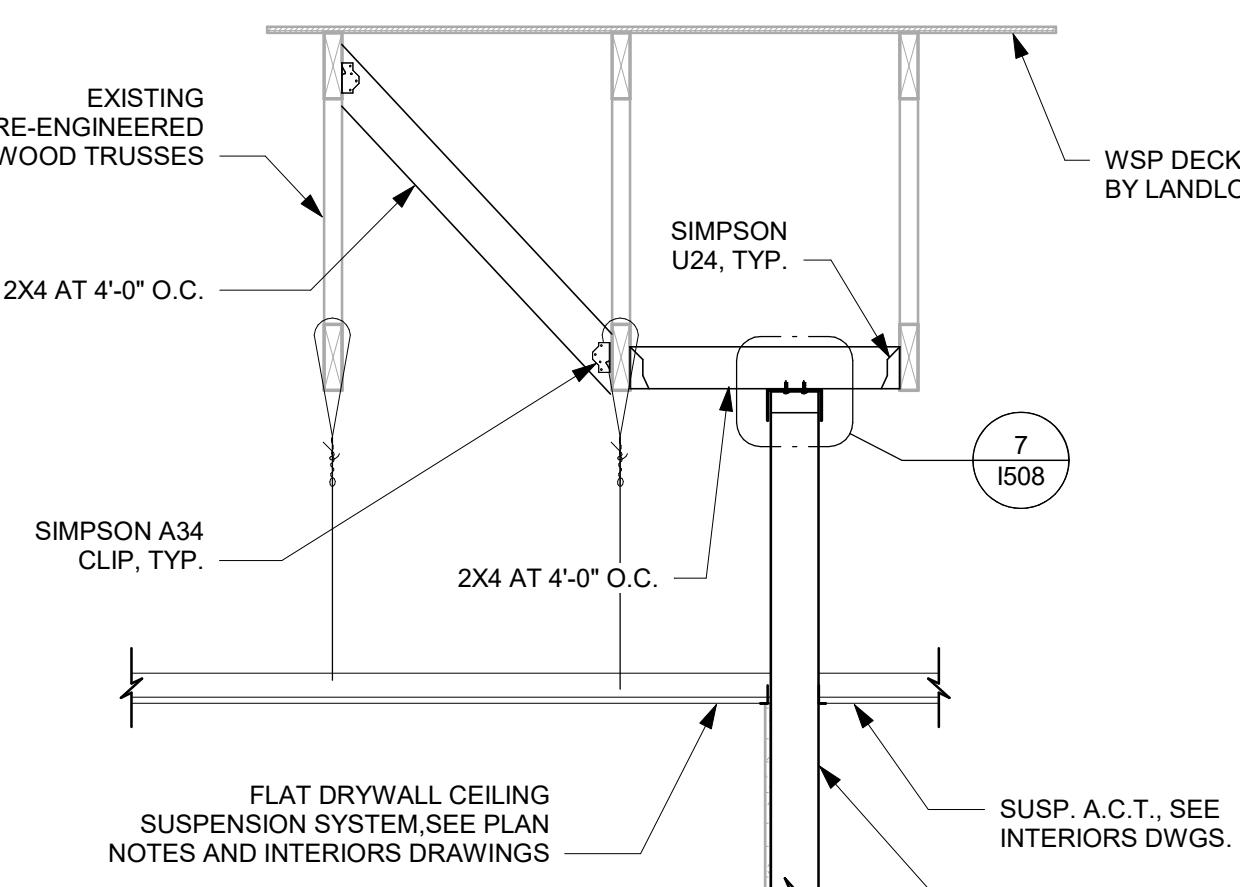
5 TYP. WALL PERP. TO TRUSSES  
Scale: 3/4" = 1'-0"



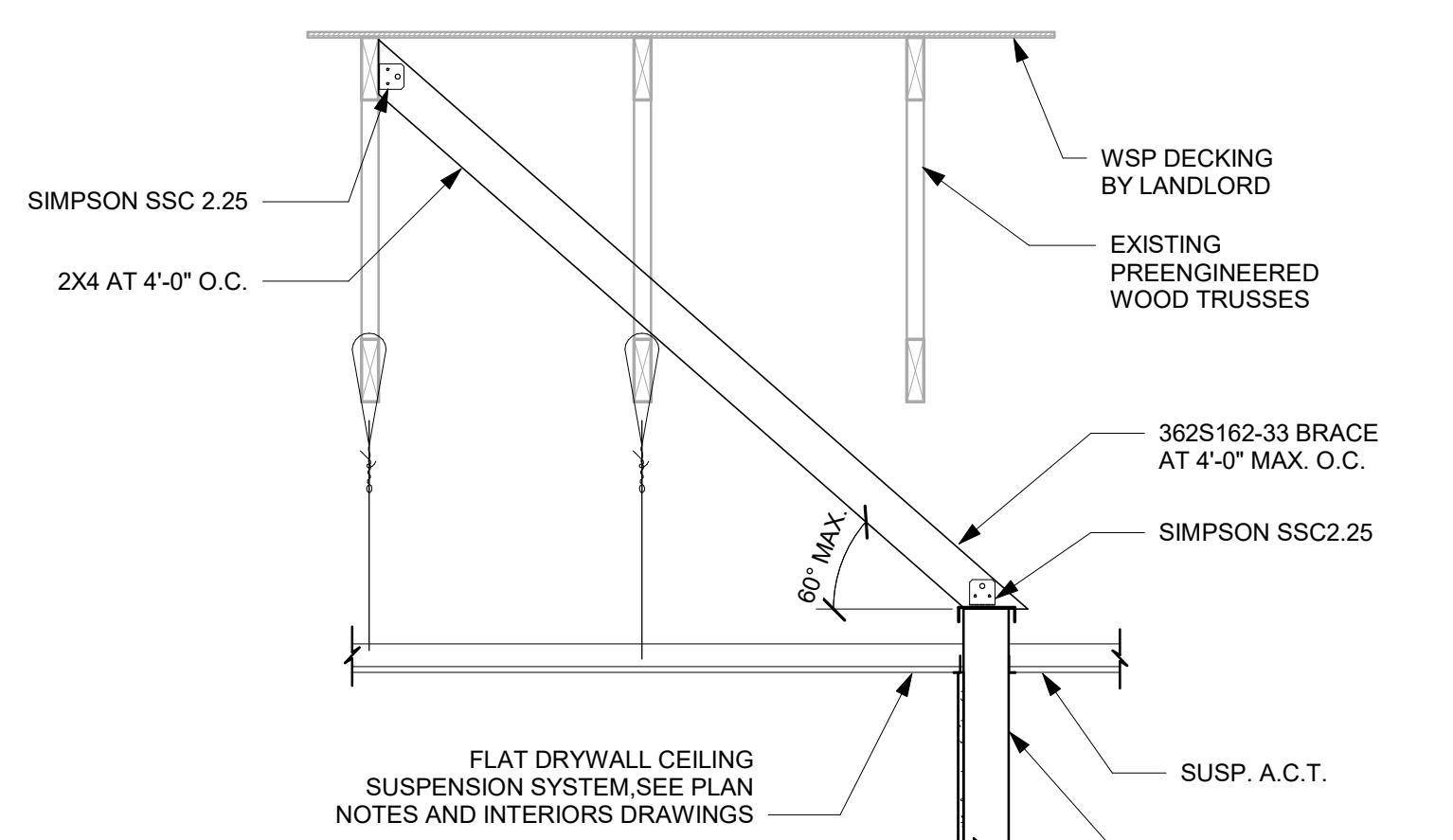
6 TYP. WALL PERP. TO TRUSSES  
Scale: 3/4" = 1'-0"



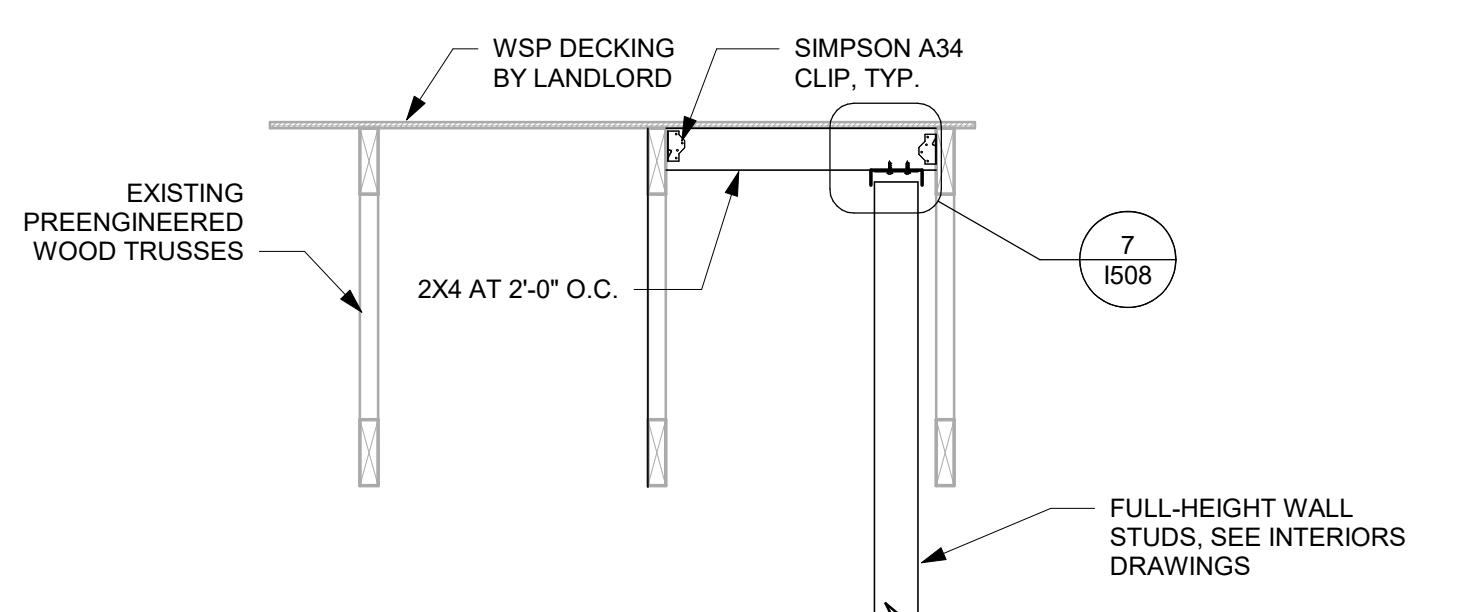
7 TYPICAL SLIP TRACK CONN.  
Scale: 1 1/2" = 1'-0"



1 TYP. WALL PARALLEL TO TRUSSES AT B/ TRUSS  
Scale: 3/4" = 1'-0"

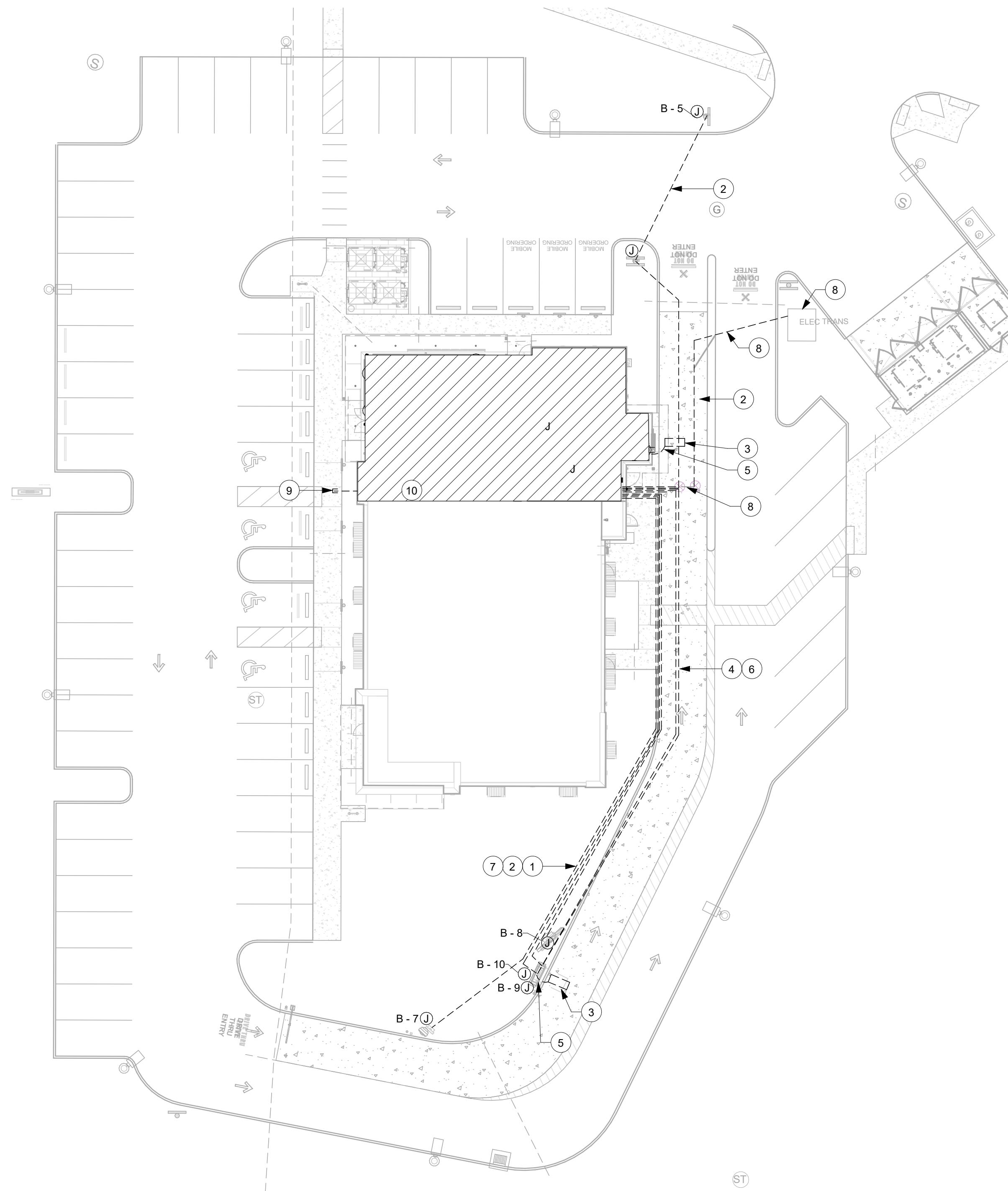


2 TYP. WALL PARALLEL TO AND BELOW TRUSSES  
Scale: 3/4" = 1'-0"



3 TYP. WALL PARALLEL TO TRUSSES AT T/ TRUSS  
Scale: 3/4" = 1'-0"

| ABBREVIATIONS |   | ELECTRICAL SYMBOL LEGEND  |  | SYSTEM COMMISSIONING  |   | SECURITY SYSTEM NOTES   |   | GENERAL ELECTRICAL NOTES   |  |
|---------------|---|---|--|---|---|---|---|--|--|
| AFF           | ABOVE FINISHED FLOOR                        | (J)   | JUNCTION BOX   | (○)   | RECEPTACLE: DUPLEX  | <b>CONTRACTOR RESPONSIBILITIES FOR BUILDING COMMISSIONING</b>   |   | STARBUCKS CONTRACTS DIRECTLY WITH SECURITY VENDOR TO SUPPLY AND INSTALL THE SECURITY SYSTEM. CONTRACTOR TO SCHEDULE INSTALLATION OF SECURITY SYSTEM FOR FOUR (4) TIMES;  |  |
| AHJ           | AUTHORITIES HAVING JURISDICTION             | (S)   | SWITCH   | (○)   | RECEPTACLE: DUPLEX - INDIVIDUAL BRANCH CIRCUIT  | CONTRACTOR SHALL PROVIDE SUPPORT AND WORK AS SPECIFIED, NEEDED AND REQUIRED TO CONDUCT AND FACILITATE STARBUCKS STAFF BUILDING COMMISSIONING EFFORTS. THIS WORK WILL BE COMPRISED OF THREE DISTINCT EFFORTS:  |   | 1. MEET TO PLAN SECURITY CABLE PULL WITH SECURITY CABLE INSTALLER PRIOR TO DRYWALL INSTALLATION.   |  |
| APPROX        | APPROXIMATE                                 | (S <sub>3</sub> )   | THREE-WAY SWITCH   | (○)   | RECEPTACLE: QUAD  | 2. SECURITY CABLE INSTALLER PULLS SECURITY CABLES, MOUNTS PANEL, KEYPAD AND SENSORS.  |   | 2. ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. BALANCE ALL BRANCH CIRCUIT LOADS BETWEEN THE PHASES OF THE SYSTEM WITHIN 10% OF THE HIGHEST PHASE LOAD IN EACH PANEL BOARD.  |  |
| BLDG          | BUILDING                                    | (S <sub>M</sub> )   | MOTION (OCCUPANCY) SENSOR SWITCH   | (○)   | RECEPTACLE: QUAD - INDIVIDUAL BRANCH CIRCUIT  | 3. SECURITY EQUIPMENT INSTALL OF CAMERA, NVR AND MONITOR.   |   | 3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DE-ENERGIZING CIRCUITS IN DEMOLITION AREAS TO INSURE A SAFE CONDITION. ELECTRICAL DEVICES AND ASSOCIATED WIRING LOCATED WITHIN THE DEMOLITION AREA THAT WILL NOT LONGER BE USED SHALL BE REMOVED AND PROPERLY DISPOSED OF AT CONTRACTORS EXPENSE UNLESS OTHERWISE NOTED.   |  |
| CKT           | CIRCUIT                                     | (S)   | SWITCHBACK   | (○)   | RECEPTACLE: HIGH VOLTAGE  | 4. SECURITY MONITORING COMPANY TO BRING SYSTEM ONLINE AND TRAIN PARTNERS AFTER POS INSTALL.   |   | 4. THE ELECTRICAL CONTRACTOR SHALL SCHEDULE ALL ELECTRICAL SYSTEM OUTAGES WITH THE GENERAL CONTRACTOR AND LANDLORD AT LEAST 24 HOURS IN ADVANCE. UNLESS APPROVED OTHERWISE ALL OUTAGES SHALL OCCUR BETWEEN 11:00PM AND 5:00AM.   |  |
| CLG           | CEILING                                     | ▼   | TELEPHONE  | (○)   | RECEPTACLE: FLOOR DUPLEX  | SECURITY VENDOR REQUIRES A MINIMUM TWO (2) WEEKS LEAD TIME FOR EACH INSTALLATION. SECURITY VENDOR WILL COORDINATE REGIONAL INSTALLERS. ALL ADDITIONAL EXPENSES INCURRED DUE TO THE CONTRACTOR'S FAILURE TO SCHEDULE ACCORDINGLY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.   |   | 5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY CONDUIT AND J-BOXES TO SUPPORT A COMPLETE SECURITY, PHONE, POS AND DATA SYSTEMS. SEE MANAGER WORKSTATION AND BAR POINT OF SALE (POS) POWER/TELECOM/SECURITY DIAGRAM. COORDINATE ALL DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH SECURITY VENDOR PRIOR TO ROUGH-IN. PROVIDE END-TO-END PULL STRINGS IN ALL CONDUITS. LABEL EACH END OF THE PULL STRING WITH CONDUIT SYSTEM ("SECURITY") AND DESTINATION ("CAFE", "FRONT BAR", ETC.). PROVIDE INSULATED BUSHINGS ON ALL STUBBED-UP AND EXPOSED CONDUIT ENDS. |  |
| CM            | STARBUCKS CONSTRUCTION MANAGER              | (T)   | THERMOSTAT   | (—)   | GROUNDING ELECTRODE CONNECTION  | 6. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF WORK.  |   | 6. EXPOSED/SURFACE MOUNTED CONDUITS SHALL ONLY BE ALLOWED WHERE NECESSARY IN EXPOSED CEILING AREAS. IF CONDUITS NEED TO BE SURFACE MOUNTED TO WALLS, COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER FOR APPROVAL.  |  |
| CONST         | CONSTRUCTION                                | (S)   | THERMOSTAT SENSOR  | (NL)  | NIGHTLIGHTING 24HR/DAY  | 7. EXPOSED/SURFACE MOUNTED CONDUITS SHALL ONLY BE ALLOWED WHERE NECESSARY IN EXPOSED CEILING AREAS. IF CONDUITS NEED TO BE SURFACE MOUNTED TO WALLS, COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER FOR APPROVAL.   |   | 7. VERIFY LOCATION OF ALL OUTLETS AND SWITCHES WITH ARCHITECTURAL DRAWINGS, INTERIOR DETAILS, FINISH SCHEDULES, GENERAL CONTRACTOR, EQUIPMENT VENDORS, STARBUCKS AND EXISTING SITE CONDITIONS. VERIFY FINAL DOOR HINGE LOCATION PRIOR TO SWITCH INSTALLATION AND ADJUST SWING LOCATION IF NEEDED. DO NOT MOUNT RECEPTACLES/SWITCHES IN LOCATIONS THAT WOULD CONFLICT WITH MIRRORS, SEAMS OF WALLS, WAINSINTS, TILE TRANSITIONS, ETC...   |  |
| CW            | COLD WATER                                  | (Φ)   | DIMMER SWITCH  | (PE)  | PHOTOELECTRIC CELL  | GENERAL CONTRACTOR IS TO ENSURE THAT THERE IS A 2" (51MM) MIN. CONDUIT WITH PULL STRING FROM THE DATA RACK TO THE DEMARC (TELCO TO CUSTOMER HAND OFF EQUIPMENT) WHEN THE DEMARC IS MORE THAN 10' FROM THE DATA RACK. DISTANCES LESS THAN 10' WILL NOT REQUIRE CONDUIT.  |   | 8. ALL TELEPHONE/NETWORK CABLING IS THE SCOPE OF WORK OF THE TELEPHONE/NETWORK CABLING VENDOR.   |  |
| CXA           | COMMISSIONING AGENT                         | (○)   | RECEPTACLE: DATA   | (⊕)   | SPEAKER   | PROVIDE A 3-POSITION GROUND LUG, GROUNDED WITH #6 AWG GROUND WIRE, IF REQUIRED BY TELEPHONE COMPANY.  |   | GENERAL NOTES  |  |
| DEG           | DEGREES                                     | (—)   | RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. | (WiFi)  | WIFI ACCESS POINT   | ALL TELEPHONE/NETWORK CABLING IS THE SCOPE OF WORK OF THE TELEPHONE/NETWORK CABLING VENDOR.   |   | POSI   |  |
| DL            | LIGHTS WITHIN DAYLIGHT ZONE                 | (#12 AWG WIRE UNLESS OTHERWISE NOTED).  | #12 AWG WIRE UNLESS OTHERWISE NOTED.                                       | (○)   | 360 CAMERA  | POS \ DATA LINE NOTES   |   | SCOPE  |  |
| DM            | STARBUCKS DESIGN MANAGER                    | Two WIRES PLUS GROUND IF NO HASH MARKS SHOWN. LONG HASH MARK DENOTES NEUTRAL.   | (CO <sub>2</sub> )   | CARBON MONOXIDE SENSOR  | STARBUCKS CONTRACTS DIRECTLY WITH THE DATA CABLING VENDOR TO SUPPLY AND INSTALL CATEGORY 5e (CAT5e) LAN CABLE AND CONNECTORS FOR THE POINT OF SALE (POS) SYSTEMS. CONTRACTOR TO SCHEDULE INSTALLATION OF DATA CABLING WITH DATA CABLING VENDOR. DATA CABLING VENDOR REQUIRES A LEAD TIME FOR INSTALLATION. DATA CABLING VENDOR WILL COORDINATE REGIONAL INSTALLERS. |   | THE INTENT OF THE DRAWINGS AND PROJECT MANUAL IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE ELECTRICAL WORK. |  |  |
| DN            | DOWN  | CO  | CARBON DIOXIDE SENSOR  | AT THE START OF CONSTRUCTION, STARBUCKS CONSTRUCTION MANAGER SCHEDULES DELIVERY OF CASH REGISTER/MANAGER'S WORKSTATION EQUIPMENT AND INSTALLATION BY A POS INSTALL TECHNICIAN FOR ONE (1) MONTH PRIOR TO STORE OPEN. CONTRACTOR TO VERIFY DELIVERY SCHEDULE TWO (2) WEEKS PRIOR TO DELIVERY AND INSTALLATION DATE. EQUIPMENT IS SHIPPED DIRECTLY TO THE STORE. CONTRACTOR TO ACCEPT POS EQUIPMENT DELIVERY. DO NOT REFUSE DELIVERY. |   | SITE EXAMINATION  |   | THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, CONDUIT, AND WIRING WILL BE INSTALLED AND WILL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE ELECTRICAL WORK.   |  |
| DTL           | DETAIL                                      | G. CONTRACTOR SHALL INFORM STARBUCKS CXA WHEN EQUIPMENT IS READY FOR FUNCTIONAL PERFORMANCE TESTING. ALL EQUIPMENT SHALL BE READY FOR FUNCTIONAL PERFORMANCE TESTING PRIOR TO STARTING TESTING. CONTRACTOR SHALL OPERATE EQUIPMENT FOR STARBUCKS CXA AND VERIFY BY DEMONSTRATION THE CORRECT OPERATION OF EQUIPMENT. RESPONSE OF SENSORS, AND PROPER EXECUTION OF HVAC CONTROL AND LIGHTING SEQUENCES; INCLUDING BUT NOT LIMITED TO, AIR MOVEMENT, TEMPERATURE, SOUND, AND CONTROL RESPONSE. PROVIDE ANY SECURITY ACCESS HARDWARE, SOFTWARE, OR OTHER SUPPORT AS NEEDED FOR THE STARBUCKS CXA TO EFFICIENTLY WITNESS AND DOCUMENT ALL EQUIPMENT TESTING. STARBUCKS CXA WILL RECORD THE EQUIPMENT OPERATION AND RESPONSE TO TESTING SEQUENCES AND PREPARE A LIST OF ANY DEFICIENCIES DISCLOSED BY THE FUNCTIONAL PERFORMANCE TESTS. FOR CORRECTION BY THE CONTRACTOR, EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, AIR HANDLING UNITS, ROOFTOP AND SPLIT TYPE, CONDENSING UNITS, EXHAUST FANS, LIGHTING CONTROLS, ETC. DELIVERABLES: PROVIDE COMPLETED COPIES OF ALL START UP REPORTS, FILLED OUT ON THE MANUFACTURER'S FORMS, TO THE STARBUCKS CXA. |  | STARBUCKS CONTRACTS DIRECTLY WITH THE DATA CABLING VENDOR TO PROVIDE ALL CAT5e LAN CABLING AND CONNECTORS FROM ALL DESIGNED AND FUTURE CASH REGISTER LOCATIONS. MANAGER'S WORKSTATION, ALL OTHER NETWORKED EQUIPMENT (CUP LABELERS, CLOVER, BUMP BAR, ETC...) AND WIRELESS ACCESS POINT TO THE DATA RACK AREA. CONTRACTOR IS TO HAVE CONDUIT WITH PULL STRING IN PLACE FOR ALL CABLE RUNS PRIOR TO CABLE INSTALL DATE.              |   | STANDARDS   |   | EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF CSA, ULC, NEC, ASTM, UL, ETL, NEMA, ANSI, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.  |  |
| DWG(S)        | DRAWING(S)                                  | H. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES DISCLOSED DURING THE FUNCTIONAL PERFORMANCE TESTING PROCESS. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE.   |  | STARBUCKS NEW STORE GROUP IS RESPONSIBLE FOR COORDINATING STARBUCKS POS SYSTEMS DELIVERY AND INSTALLATION WITH THE POS VENDOR. THIS GROUP MAY BE CONTACTED AT: NEWSTORES@STARBUCKS.COM.   |   | CODES   |   | ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE PROVINCIAL AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE CODES, THE HIGHEST STANDARD SHALL APPLY. ELECTRICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO STARBUCKS.  |  |
| EA            | EACH  | I. CONTRACTOR SHALL BE READILY AVAILABLE FOR ANY RE-TESTING OF EQUIPMENT DEEMED NECESSARY BY STARBUCKS CXA DURING INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES FOUND IN THE SYSTEM DURING ANY AND ALL RE-TESTING. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE. DELIVERABLES: FINAL BALANCE REPORT, DEFICIENCIES LIST NOTING CORRECTIVE ACTIONS PERFORMED BY CONTRACTOR IN RESPONSE TO INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TEST RESULTS.  |  | PERMITS AND FEES  |   | THE ELECTRICAL CONTRACTOR SHALL PROCUER AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY TO COMPLETE THE ELECTRICAL WORK.   |   | PERMITS AND FEES   |  |
| EC            | ELECTRICAL CONTRACTOR                       | J. CONSTRUCTION AND POST CONSTRUCTION TESTING: ADDITIONAL TESTING MAY BE REQUIRED AND OTHER PROCESSES THAT MAY OCCUR OUT OF SEQUENCE WITH COMMISSIONING SERVICE. CONTRACTOR SHALL CONDUCT, DOCUMENT, SUPPORT AND SCHEDULE THIS TESTING AS DIRECTED BY STARBUCKS CXA.  |  | THE ELECTRICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY STARBUCKS AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.  |   | WARRANTY  |   | THE CONTRACTOR SHALL COORDINATE WITH LANDLORD / BUILDING OWNER FOR ANY CONSTRUCTION REQUIREMENTS. IF LANDLORD / BUILDING OWNER DOES HAVE REQUIREMENTS, CONTRACTOR SHALL BECOME COMPLETELY FAMILAR WITH REQUIREMENTS AND ADHERE TO THEM. WHERE LANDLORD / BUILDING OWNER REQUIREMENTS ARE MORE STRINGENT THAN SHOWN IN THESE PLANS (IN THE OPINION OF THE ENGINEER), LANDLORD / BUILDING OWNER REQUIREMENTS SHALL GOVERN.   |  |
| ECP           | EQUIPMENT CONTROL PAC                       | COORDINATE WITH DRAWINGS AND LCP VENDOR FOR DEVICE LOCATIONS. VENDOR SHALL COMMISION CONTROLS.  |  | COMMUNICATION SYSTEM NOTES  |   | PRIOR TO BID: THE CONTRACTOR SHALL COORDINATE WITH LANDLORD / BUILDING OWNER FOR ANY CONSTRUCTION REQUIREMENTS. IF LANDLORD / BUILDING OWNER DOES HAVE REQUIREMENTS, CONTRACTOR SHALL BECOME COMPLETELY FAMILAR WITH REQUIREMENTS AND ADHERE TO THEM. WHERE LANDLORD / BUILDING OWNER REQUIREMENTS ARE MORE STRINGENT THAN SHOWN IN THESE PLANS (IN THE OPINION OF THE ENGINEER), LANDLORD / BUILDING OWNER REQUIREMENTS SHALL GOVERN.    |   | LANDLORD REQUIREMENTS  |  |
| EG            | EXHAUST GRILLE                              | THE GENERAL CONTRACTOR IS TO COMPLETE FINAL CONNECTION AFTER DATA RACK AND NETWORK INSTALLATION. THE GENERAL CONTRACTOR IS TO CONTACT LCP VENDOR TO VERIFY SYSTEM OPERATION AND TROUBLESHOOT IF REQUIRED.   |  | CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THE LANDLORD HAS FURNISHED AND INSTALLED ONE (1) ADDITIONAL 2" (51MM) (ENTRANCE) CONDUIT INCLUDING PULL STRING (FOR A TOTAL OF TWO (2)) FROM THE STREET FEED TO THE BUILDING AS IDENTIFIED BY THE INTERNET SERVICE PROVIDER.   |   | PRIORITY TO BID: THE CONTRACTOR SHALL COORDINATE WITH LANDLORD / BUILDING OWNER FOR ANY CONSTRUCTION REQUIREMENTS. IF LANDLORD / BUILDING OWNER DOES HAVE REQUIREMENTS, CONTRACTOR SHALL BECOME COMPLETELY FAMILAR WITH REQUIREMENTS AND ADHERE TO THEM. WHERE LANDLORD / BUILDING OWNER REQUIREMENTS ARE MORE STRINGENT THAN SHOWN IN THESE PLANS (IN THE OPINION OF THE ENGINEER), LANDLORD / BUILDING OWNER REQUIREMENTS SHALL GOVERN. |   | LANDLORD REQUIREMENTS  |  |
| ELEC          | ELECTRICAL                                  | THE GENERAL CONTRACTOR IS TO COMPLETE FINAL CONNECTION AFTER DATA RACK AND NETWORK INSTALLATION. THE GENERAL CONTRACTOR IS TO CONTACT LCP VENDOR TO VERIFY SYSTEM OPERATION AND TROUBLESHOOT IF REQUIRED.   |  | WIRELESS NETWORK NOTES  |   | THE ELECTRICAL CONTRACTOR SHALL FURNISH SPEAKERS WHERE SHOWN ON INTERIOR REFLECTED CEILING PLANS AND IN COORDINATION WITH ALL PLANS, DETAILS AND MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL AND CONNECT OWNER FURNISHED WIRING SYSTEM BETWEEN ALL SPEAKERS AND THE OWNER PROVIDED MUSIC SYSTEM. SET WATTAGE TAP ON EACH SPEAKER'S ROTARY SWITCH PER TAP SETTINGS NOTED ON PLANS.   |   | GENERAL NOTES  |  |
| EM            | EMERGENCY                                   | THE GENERAL CONTRACTOR IS TO COMPLETE FINAL CONNECTION AFTER DATA RACK AND NETWORK INSTALLATION. THE GENERAL CONTRACTOR IS TO CONTACT LCP VENDOR TO VERIFY SYSTEM OPERATION AND TROUBLESHOOT IF REQUIRED.   |  | MUSIC SYSTEM NOTES  |   | MOUNT OWNER FURNISHED SPEAKERS WHERE SHOWN ON INTERIOR REFLECTED CEILING PLANS AND IN COORDINATION WITH ALL PLANS, DETAILS AND MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL AND CONNECT OWNER FURNISHED WIRING SYSTEM BETWEEN ALL SPEAKERS AND THE OWNER PROVIDED MUSIC SYSTEM. SET WATTAGE TAP ON EACH SPEAKER'S ROTARY SWITCH PER TAP SETTINGS NOTED ON PLANS.   |   | GENERAL NOTES  |  |
| EMS           | ENERGY MANAGEMENT SYSTEM                    | THE GENERAL CONTRACTOR SHALL INSTALL <INSERT LCP PRODUCT> AND <INSERT EMS SYSTEM> PRIOR TO LAST WEEK OF CONSTRUCTION. IF NEEDED, FURNISH AND INSTALL TEMPORARY THERMOSTATS AND SENSORS, AND ROUTE ALL LOW VOLTAGE WIRING THROUGH EC PROVIDED CONDUITS (COORDINATE WITH ELECTRICAL).   |  | CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THE LANDLORD HAS FURNISHED AND INSTALLED ONE (1) ADDITIONAL 2" (51MM) (ENTRANCE) CONDUIT INCLUDING PULL STRING (FOR A TOTAL OF TWO (2)) FROM THE STREET FEED TO THE BUILDING AS IDENTIFIED BY THE INTERNET SERVICE PROVIDER.   |   | PROJECT NAME: RANDALL AND ACKMAN  |   | PROJECT ADDRESS: RANDALL RD & ACKMAN RD CRYSTAL LAKE, IL 60014   |  |
| EXIST         | EXISTING                                    | FURNISH AND INSTALL RACEWAYS WITH PULL STRINGS AND JUNCTION BOXES FOR THERMOSTAT(S) AND SENSOR(S).  |  | CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THE LANDLORD HAS FURNISHED AND INSTALLED ONE (1) ADDITIONAL 2" (51MM) (ENTRANCE) CONDUIT INCLUDING PULL STRING (FOR A TOTAL OF TWO (2)) FROM THE STREET FEED TO THE BUILDING AS IDENTIFIED BY THE INTERNET SERVICE PROVIDER.   |   | PROJECT NAME: RANDALL AND ACKMAN  |   | PROJECT ADDRESS: RANDALL RD & ACKMAN RD CRYSTAL LAKE, IL 60014   |  |
| EXT           | EXTERIOR                                    | SET RESTROOM OCCUPANCY SENSOR TO 5 MINUTE 'ON' DURATION IN SINGLE OCCUPANT RESTROOM AND TO 5 MINUTE 'ON' DURATION IN MULTI-OCCUPANT RESTROOM UNLESS JURISDICTION REQUIREMENTS STATE OTHERWISE.  |  | CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THE LANDLORD HAS FURNISHED AND INSTALLED ONE (1) ADDITIONAL 2" (51MM) (ENTRANCE) CONDUIT INCLUDING PULL STRING (FOR A TOTAL OF TWO (2)) FROM THE STREET FEED TO THE BUILDING AS IDENTIFIED BY THE INTERNET SERVICE PROVIDER.   |   | PROJECT NAME: RANDALL AND ACKMAN  |   | PROJECT ADDRESS: RANDALL RD & ACKMAN RD CRYSTAL LAKE, IL 60014   |  |
| F&I           | FURNISH & INSTALL                           | COORDINATE WITH DRAWINGS AND LCP VENDOR FOR DEVICE LOCATIONS. VENDOR SHALL COMMISION CONTROLS.  |  | CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THE LANDLORD HAS FURNISHED AND INSTALLED ONE (1) ADDITIONAL 2" (51MM) (ENTRANCE) CONDUIT INCLUDING PULL STRING (FOR A TOTAL OF TWO (2)) FROM THE STREET FEED TO THE BUILDING AS IDENTIFIED BY THE INTERNET SERVICE PROVIDER.   |   | PROJECT NAME: RANDALL AND ACKMAN  |   | PROJECT ADDRESS: RANDALL RD & ACKMAN RD CRYSTAL LAKE, IL 60014   |  |
| FOIC          | FURNISHED BY OWNER, INSTALLED BY CONTRACTOR | THE GENERAL CONTRACTOR IS TO COMPLETE FINAL CONNECTION AFTER DATA RACK AND NETWORK INSTALLATION. THE GENERAL CONTRACTOR IS TO CONTACT LCP VENDOR TO VERIFY SYSTEM OPERATION AND TROUBLESHOOT IF REQUIRED.   |  | CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THE LANDLORD HAS FURNISHED AND INSTALLED ONE (1) ADDITIONAL 2" (51MM) (ENTRANCE) CONDUIT INCLUDING PULL STRING (FOR A TOTAL OF TWO (2)) FROM THE STREET FEED TO THE BUILDING AS IDENTIFIED BY THE INTERNET SERVICE PROVIDER.   |   | PROJECT NAME: RANDALL AND ACKMAN  |   | PROJECT ADDRESS: RANDALL RD & ACKMAN RD CRYSTAL LAKE, IL 60014   |  |
| FOIO          | FURNISHED BY OWNER, INSTALLED BY OWNER      | THE GENERAL CONTRACTOR IS TO COMPLETE FINAL CONNECTION AFTER DATA RACK AND NETWORK INSTALLATION. THE GENERAL CONTRACTOR IS TO CONTACT LCP VENDOR TO VERIFY SYSTEM OPERATION AND TROUBLESHOOT IF REQUIRED.   |  | CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THE LANDLORD HAS FURNISHED AND INSTALLED ONE (1) ADDITIONAL 2" (51MM) (ENTRANCE) CONDUIT INCLUDING PULL STRING (FOR A TOTAL OF TWO (2)) FROM THE STREET FEED TO THE BUILDING AS IDENTIFIED BY THE INTERNET SERVICE PROVIDER.   |   | PROJECT NAME: RANDALL AND ACKMAN  |   | PROJECT ADDRESS: RANDALL RD & ACKMAN RD CRYSTAL LAKE, IL 60014   |  |
| FLR           | FLOOR                                       | THE GENERAL CONTRACTOR IS TO COMPLETE FINAL CONNECTION AFTER DATA RACK AND NETWORK INSTALLATION. THE GENERAL CONTRACTOR IS TO CONTACT LCP VENDOR TO VERIFY SYSTEM OPERATION AND TROUBLESHOOT IF REQUIRED.   |  | CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THE LANDLORD HAS FURNISHED AND INSTALLED ONE (1) ADDITIONAL 2" (51MM) (ENTRANCE) CONDUIT   |   |   |   |  |  |



1 1ST FLOOR - ELECTRICAL SITE PLAN  
Scale: 1" = 20'-0"

2 DT SENSOR LOOP DETAIL  
Scale: NTS

#### KEYED NOTES

1. SPEAKER. 120V, 2#10, #10G, 1°C TO BE RAN UNDERGROUND.
2. DRIVE THROUGH SIGNAGE, PYLON SIGNS, PRE-MENU AND MENU BOARD. 120V, 2#10, #10G, 1°C TO BE RAN UNDERGROUND, VIA TIME CLOCK.
3. DETECTOR LOOP TO BE CENTERED ON DT WINDOW/ORDER SPEAKER. COORDINATE WITH GC, TO BE 2" BELOW DT LANE PAVEMENT.
4. DATA FOR SPEAKER. RUN 1°C UNDERGROUND TO DT POS.
5. 3/4" C FOR DETECTOR LOOP TO BE RAN UNDERGROUND.
6. AUDIO/VIDEO FOR SPEAKER POST AND DETECTOR LOOP WIRING TO BE RAN THROUGH 1°C UNDERGROUND INTO BUILDING AND THEN ROUTED TO DT POS AREA.
7. 120V POWER FROM MENU BOARD CIRCUIT TO LED ON DIGITAL DISPLAY.
8. UNDERGROUND ELECTRICAL SERVICE FROM PAD MOUNTED UTILITY TRANSFORMER BY LANDLORD. SHOW UNDERGROUND ELECTRICAL SERVICE FROM PAD.
9. TELECOMMUNICATION SERVICE TO BE INSTALLED BY LANDLORD.
10. APPROXIMATE LOCATION OF DATA RACK.

#### GENERAL NOTES

- A. REFER TO DATA DEVICE SCHEDULE FOR LOW VOLTAGE DEVICES.



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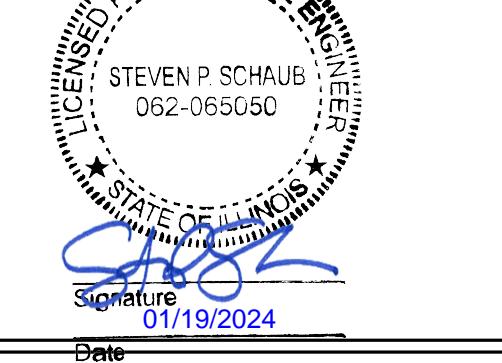
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STARBUCKS TEMPLATE VERSION i2023.04.24



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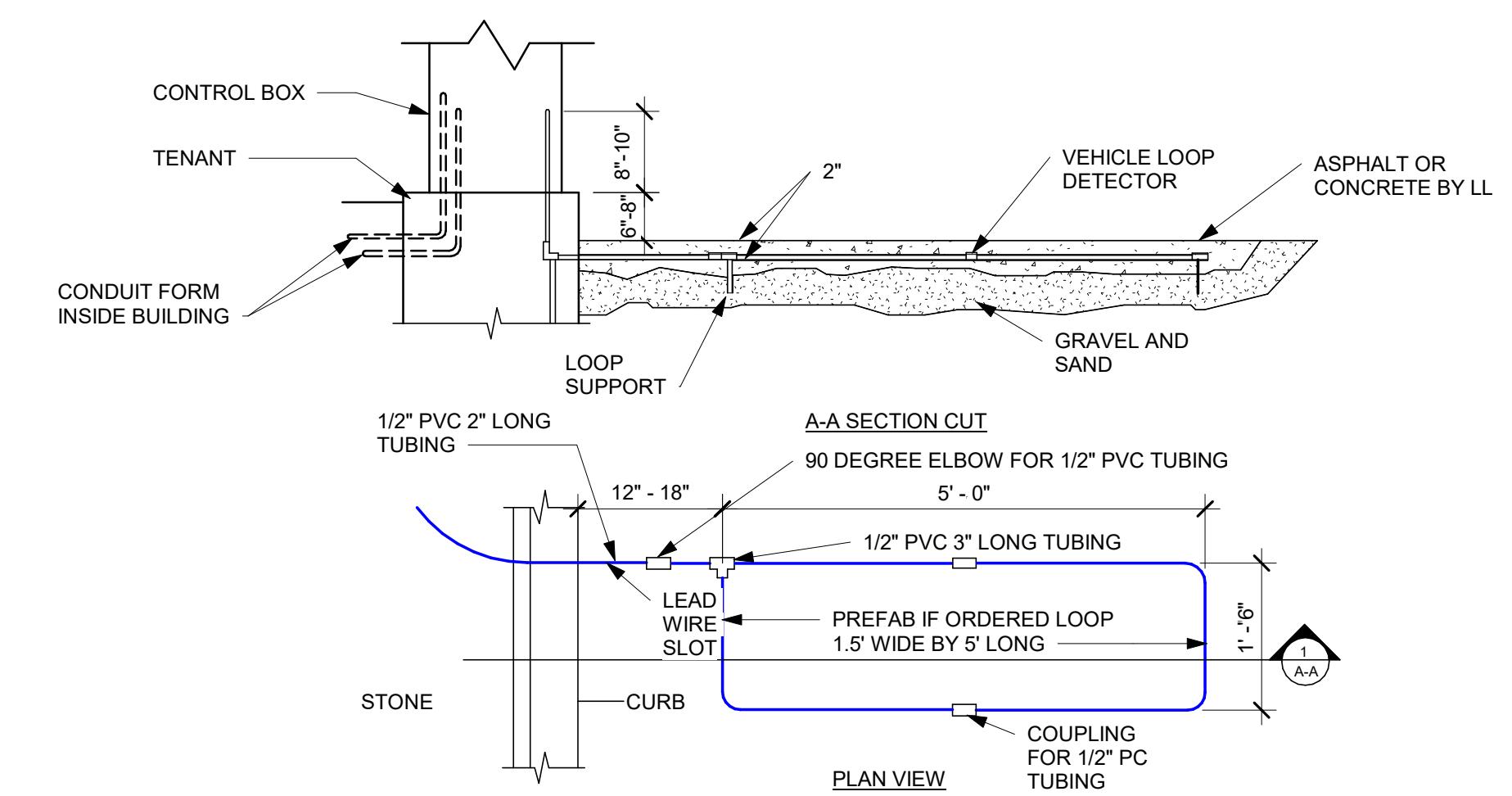


PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |



2 DT SENSOR LOOP DETAIL  
Scale: NTS

SHEET TITLE:  
**ELECTRICAL SITE PLAN**

SCALE: AS SHOWN  
SHEET NUMBER:  
**E003**

| DESIGN ID | DESCRIPTION                | POWER REQUIREMENTS |         |         |     | VOLTAGE | PHASE | PANEL | CIRCUIT NUMBER | CIRCUIT & WIRE SIZE | NEMA CONFIGURATION              | REMARKS |
|-----------|----------------------------|--------------------|---------|---------|-----|---------|-------|-------|----------------|---------------------|---------------------------------|---------|
|           |                            | HP                 | KW      | MCA     | FLA |         |       |       |                |                     |                                 |         |
| 10110     | 1 DOOR REACH IN FRIDGE     | 0.40               |         |         |     | 120 V   | 1     | A2    | 25             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10267     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 58             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10267     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 42             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10267     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 68             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10267     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 62             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10267     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 70             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10267     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 75             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10267     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 17             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10267Q    | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 54             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 10808     | GRINDER                    | 1.40               |         |         |     | 120 V   | 1     | A2    | 43             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 11083     | 2 DOOR REACH IN FRIDGE     | 1.20               |         |         |     | 120 V   | 1     | A2    | 27             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 11083     | 2 DOOR REACH IN FRIDGE     | 1.20               |         |         |     | 120 V   | 1     | A2    | 26             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 12508     | ON COUNTER BLENDER         | 1.80               |         |         |     | 120 V   | 1     | A2    | 69             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 12508     | ON COUNTER BLENDER         | 1.80               |         |         |     | 120 V   | 1     | A2    | 60             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 12618     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 50             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 12618     | 1 DOOR UNDERCOUNTER FRIDGE | 0.50               |         |         |     | 120 V   | 1     | A2    | 52             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 13682     | 2 DOOR REACH IN FREEZER    | 1.32               |         |         |     | 120 V   | 1     | A2    | 24             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 13682     | 2 DOOR REACH IN FREEZER    | 1.32               |         |         |     | 120 V   | 1     | A2    | 22             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 15186     | DISHWASHER                 | 6.34               |         |         |     | 208 V   | 1     | A2    | 21,23          | 3#6, 1#10G, 3/4"    | 14-50R                          | -       |
| 19742     | MASTRENA ESPRESSO MACHINE  | 5.80               |         |         |     | 208 V   | 1     | A2    | 72,74          | 2#6, 1#10G, 3/4"    | COORD. WITH MANUFACTURER SPECS. | -       |
| 19742     | MASTRENA ESPRESSO MACHINE  | 5.80               |         |         |     | 208 V   | 1     | A2    | 77,79          | 2#6, 1#10G, 3/4"    | COORD. WITH MANUFACTURER SPECS. | -       |
| 20011     | NITRO COOLER               | 0.50               |         |         |     | 120 V   | 1     | A2    | 59             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 20032     | WARMING OVEN               | 6.00               |         |         |     | 208 V   | 1     | A2    | 49,51          | 2#10, 1#10G, 3/4"   | 6-30R                           | -       |
| 20032     | WARMING OVEN               | 6.00               |         |         |     | 208 V   | 1     | A2    | 46,48          | 2#10, 1#10G, 3/4"   | 6-30R                           | -       |
| 21679     | NITROGEN GENERATOR         | 0.50               |         |         |     | 120 V   | 1     | A2    | 61             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 22885     | BREWER                     | 8.32               | 40.00 A |         |     | 208 V   | 1     | A2    | 45,47          | 3#6, 1#10G, 3/4"    | 14-50                           | -       |
| 23184     | ICE MACHINE                | 1.46               | 10.60 A |         |     | 208 V   | 1     | A2    | 81,83          | 2#12, 1#12G, 3/4"   | -                               | -       |
| 23184     | ICE MACHINE                | 1.46               | 10.60 A |         |     | 208 V   | 1     | B     | 4,6            | 2#12, 1#12G, 3/4"   | -                               | -       |
| 23419     | MILK DISPENSER             | 0.20               |         |         |     | 120 V   | 1     | A2    | 67             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 23419     | MILK DISPENSER             | 0.20               |         |         |     | 120 V   | 1     | A2    | 66             | 2#12, 1#12G, 3/4"   | -                               | -       |
| 23421     | ICE DISPENSER              |                    |         | 10.00 A |     | 120 V   | 1     | A2    | 65             | 2#12, 1#12G, 3/4"   | 5-15.                           | -       |

## KEYED NOTES

- SHOW WINDOW RECEPTACLES TO BE MOUNTED ABOVE WINDOWS OR IN CEILING.
- EXTERIOR SIGNAGE, COORDINATE WITH SIGNAGE VENDOR/MANUFACTURER FOR CONNECTION AND POWER REQUIREMENTS REFER TO ARCHITECTURAL PLANS FOR LOCATION. PROVIDE ALL PENETRATIONS AND CONNECTIONS, CONCEAL FROM VIEW. ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH IF NOT PROVIDED PER CODE.
- ROUTE CONDUIT UP THRU FLOOR BOX, THRU SEATING BASE TO RECEPTACLES ON SEATING. COORDINATE WITH MANUFACTURER SPECIFICATIONS.
- POWER FOR RESTROOM SINKS WITH INTEGRAL HAND DRYER. PROVIDE GFCI DOUBLE DUPLEX RECEPCTACLE.
- REMOTE TEMPERATURE SENSOR. PROVIDE JUNCTION BOX FOR CONNECTION.
- GENERAL USE RECEPTACLE MOUNT @ 18".
- PROVIDE WIRELESS CHARGING/DUPLEX COMBO RECEPTACLE PER STARBUCKS SPECIFICATIONS. SHALL BE MOUNTED ABOVE COUNTER.
- DISHWASHER ELECTRICAL CONTRACTOR SHALL PROVIDE 14-50R RECEPTACLE AND CORD @18" AFF.
- MOUNT REFRIG / FREEZER RECEPTACLES AT 84" AFF.
- PROVIDE NEMA 5-15 RECEPTACLE FOR ICE MACHINE EVAPORATOR AND PROVIDE DUPLEX RECEPTACLE FOR DIVERTER. REFER TO E105 POWER ROOF PLAN FOR CONDENSER POWER.
- CO2 SENSOR. COORDINATE WITH MECHANICAL FOR POWER REQUIREMENTS.
- PROVIDE FIRE BARRIER PUTTY FOR ALL POWER AND DATA RECEPTACLES IN DEMISING WALL TO MAINTAIN FIRE RATING.

## GENERAL NOTES

- REFER TO ELECTRICAL DETAIL SHEETS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL VOLTAGE REQUIREMENTS ON ALL EQUIPMENT AND PROVIDING BUCK-BOOST TRANSFORMERS AS MAY BE NEEDED FOR CODE. ALL ARE NOT NECESSARILY INDICATED.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING AND HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) CONTRACTORS FOR ANY ADDITIONAL EQUIPMENT NEEDING POWER.
- ANY EQUIPMENT NOTED AS "FUTURE" SHALL BE PROVIDED WITH APPROPRIATE RECEPTACLES AND WIRING TO ENABLE FUTURE OPERATION.
- GROUND FAULT CIRCUIT INTERRUPTER (GFCI) BREAKERS (NOT RECEPTACLES) SHALL BE UTILIZED WHERE REQUIRED BY CODE AND AT ANY FLOOR BOXES. PROVIDE DEDICATED NEUTRAL WIRE FOR ALL THESE CIRCUITS.
- EQUIPMENT REQUIRES CONNECTION TO THE BUILDING ELECTRICAL SYSTEM. FURNISH AND INSTALL ALL NECESSARY CONDUIT, WIRE, CONNECTIONS, RECEPTACLES AND OVERCURRENT PROTECTION NECESSARY TO ENSURE THE EQUIPMENT FUNCTIONS PROPERLY AND COMPLIES WITH ALL APPLICABLE LOCAL AND NATIONAL CODES. COORDINATE EQUIPMENT REQUIREMENTS WITH MANUFACTURER CUT SHEET PRIOR TO ROUGH-IN.
- ALL FRONT BAR J-BOXES AND OUTLETS SHALL BE SURFACE MOUNTED. PROVIDE CONDUITS AS NEEDED AND ONE (1) ADDITIONAL SPARE CONDUIT BETWEEN ALL J-BOXES FOR FUTURE ELECTRICAL REQUIREMENTS. ALL J-BOXES SHALL BE POSITIONED TO AVOID OBSTRUCTION OF ANY EQUIPMENT SUCH AS REFRIGERATORS AND DISHWASHERS.
- REFERENCE LANDLORD WORK LETTER FOR DIVISION OF ELECTRICAL SCOPE OF WORK AND COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER.



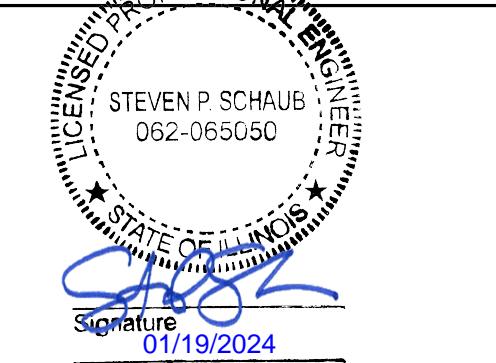
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STARBUCKS TEMPLATE VERSION i2023.04.24



GPD PROJECT NO. 2023262.13



PROJECT NAME:  
**RANDALL AND ACKMAN**

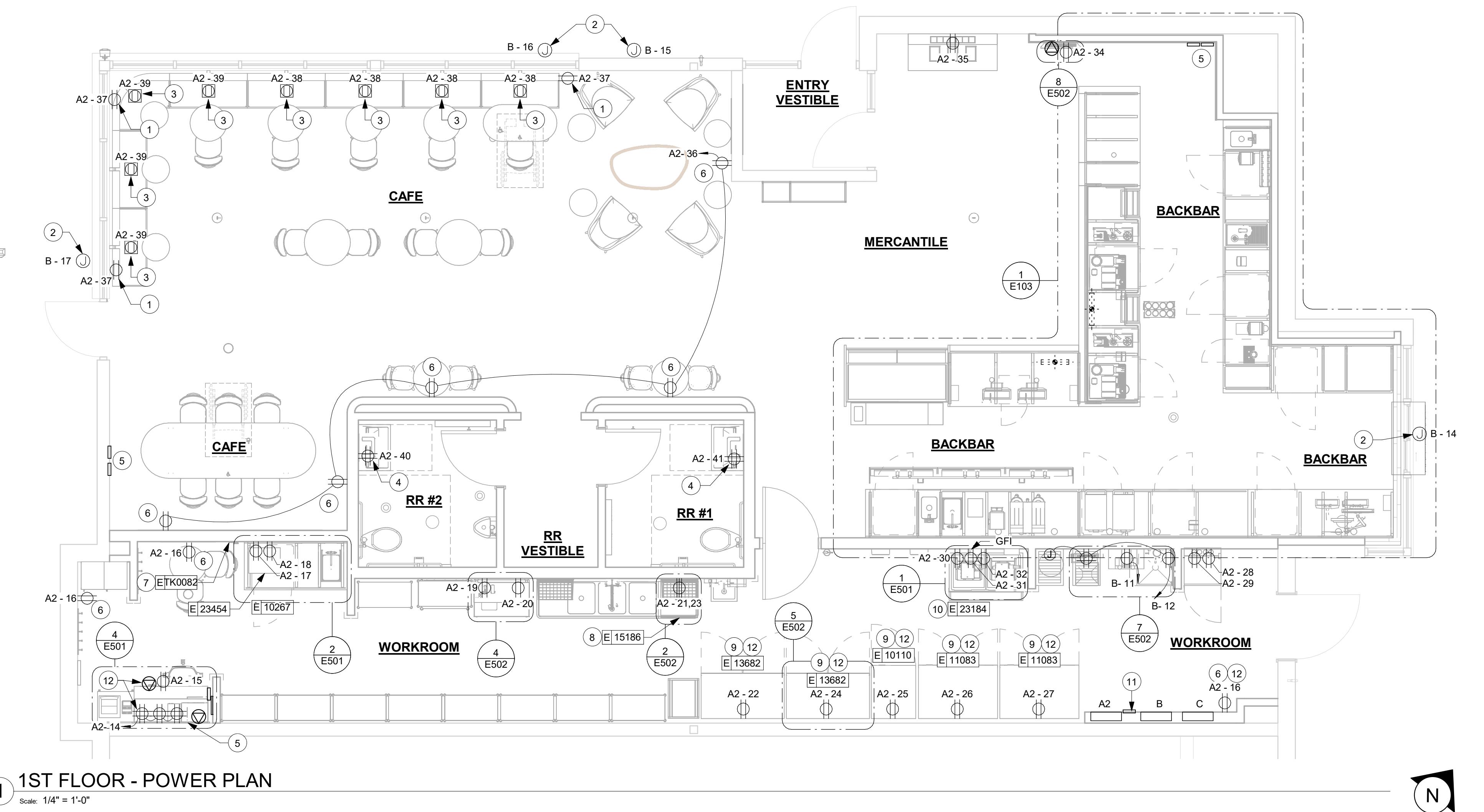
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule  

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**POWER PLAN**  
SCALE: AS SHOWN  
SHEET NUMBER:  
E101





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STARBUCKS TEMPLATE VERSION i2023.04.24

**GPD GROUP, INC.**  
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520 South Main Street, Suite 2551  
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330.572.2100 Fax 330.572.2101

GPD PROJECT NO.: 2023262.13

STEVEN P. SCHAUER  
062-065050  
  
Date: 01/19/2024  
exp. date: 11/30/2025

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
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CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
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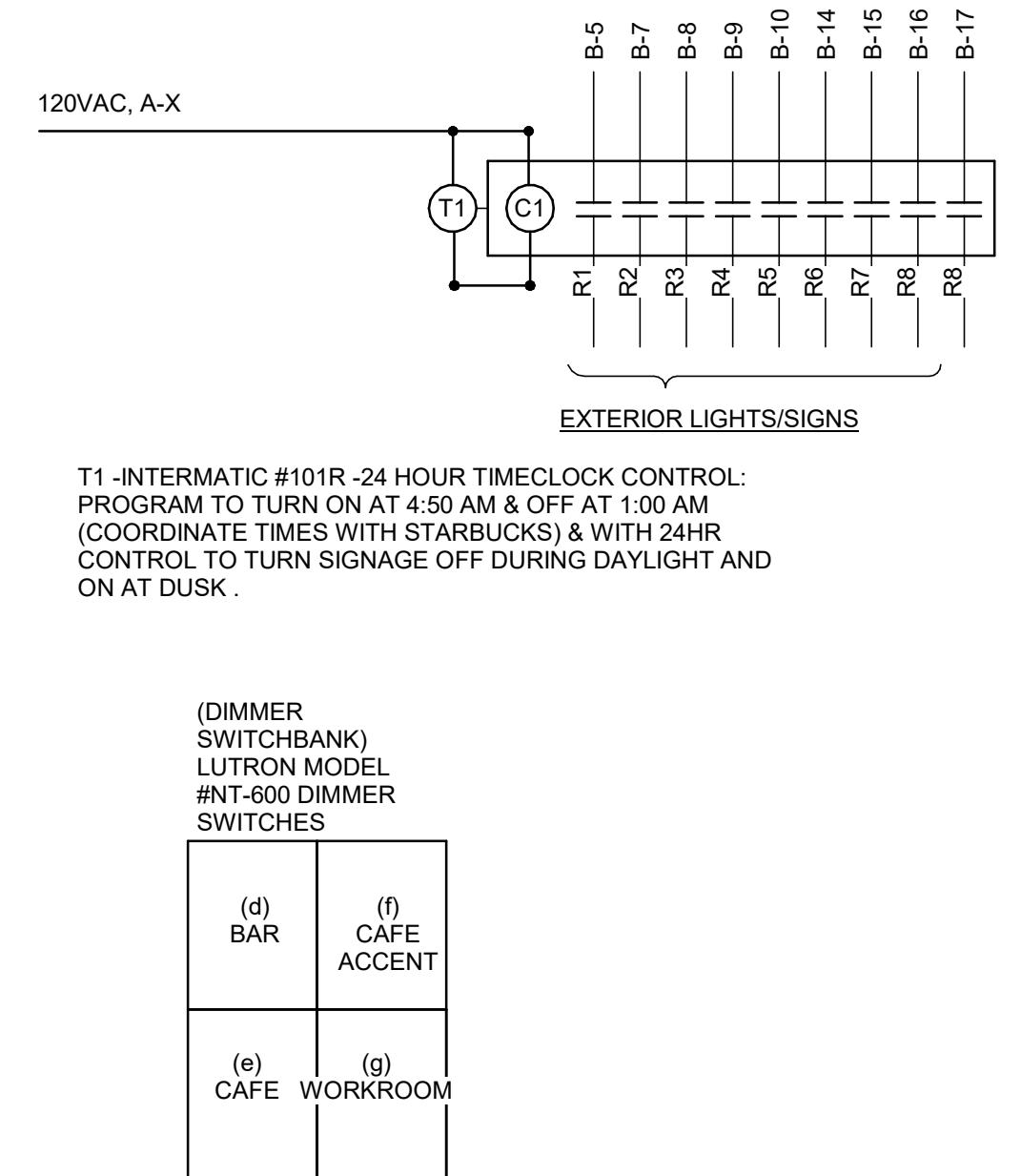
SHEET TITLE:  
**LIGHTING PLAN**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**E102**

## KEYED NOTES

- SUSPEND TRACK BETWEEN BAFFLE SYSTEM.
- LOCATION OF SWITCHBANK. REFER TO DETAIL THIS SHEET FOR MORE INFORMATION.
- ALL EMERGENCY/EXIT/NIGHT LIGHTS TO BE WIRED AHEAD OF ANY CONTROLS.
- PROVIDE POWER PACK FOR LED TAPE LIGHTING PER MANUFACTURER SPECIFICATIONS.
- PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL IN RESTROOM.
- EXISTING TO REMAIN BY LANDLORD.

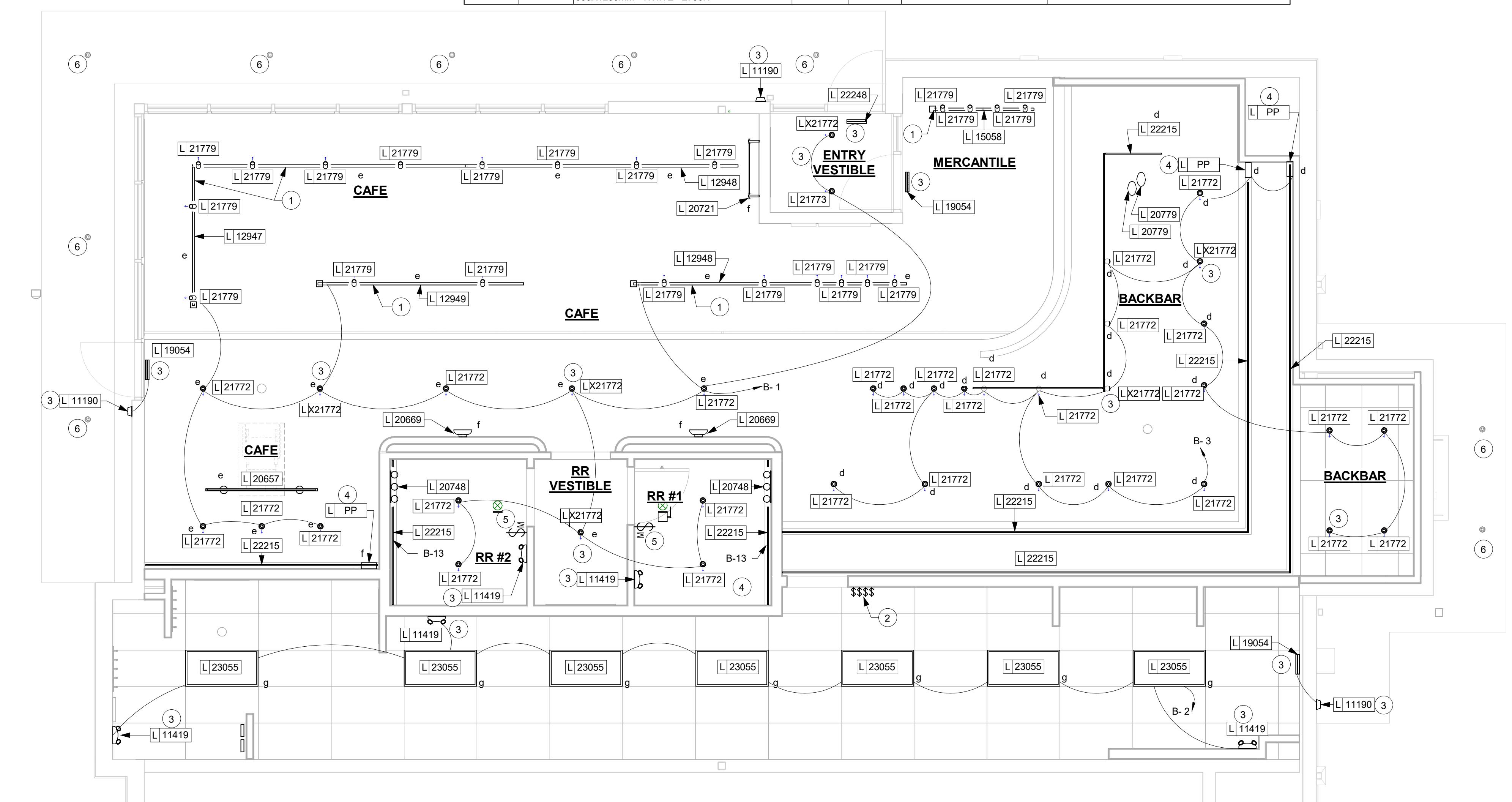
## GENERAL NOTES

- ALL FIXTURES IN WORK ROOM, BACK AND FRONT LINE, ABOVE CONDIMENT CART, AND ANY OTHER AREAS WHERE EXPOSED FOOD, CLEAN EQUIPMENT OR UTENSILS, OR UNWRAPPED SINGLE SERVICE ITEMS WILL BE EXPOSED, SHALL HAVE SHATTERPROOF LAMPS IF THE FIXTURE IS NOT LENSED. ARCHITECT OF RECORD TO INCLUDE APPROPRIATE LAMPS / FIXTURES ON DRAWINGS AND SCHEDULES, AND COMPLY WITH ANY ADDITIONAL JURISDICTIONAL LIGHTING REQUIREMENT.
- PROVIDE GROMMET AT ALL CEILING PENETRATIONS FOR FIXTURES/SUPPORTS.
- CENTER EMERGENCY/EXIT LIGHTS ABOVE DOORS, UNLESS OTHERWISE NOTED.
- ADJUST FOCUS OF ALL TRACK AND RECESSED DIRECTIONAL LIGHTING TO FULLY ILLUMINATE ALL ARTWORK, MENU BOARDS, AND MERCHANDISE BAYS. COORDINATE AIMING WITH OWNER.
- IF PENDANT CYLINDERS SUSPENDED LENGTH EXCEEDS 48" (1220MM) FROM CEILING, REPLACE WITH SURFACE MOUNTED CYLINDER CANS AND SUSPEND WITH GENERAL CONTRACTOR SUPPLIED CONDUIT AND J-BOX TO INDICATED HEIGHT.



## 2 LIGHTING CONTROL DETAILS

Scale: NTS



## 1 1ST FLOOR - LIGHTING PLAN

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

## EGRESS LIGHTING NOTES

- EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED, LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- ANYTIME A BUILDING OR A PORTION OF A BUILDING IS OCCUPIED, THE MEANS OF EGRESS SERVING THE OCCUPIED PORTION SHALL BE ILLUMINATED AT AN INTENSITY OF NOT LESS THAN 1 FOOT CANDLE (11 LUX) AT THE WALKING SURFACE LEVEL. (1006)
- THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED BY THE PREMISE'S ELECTRICAL SUPPLY, IN THE EVENT OF POWER SUPPLY FAILURE, ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM FOR THE FOLLOWING AREAS. (1006.3):
  - AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS.
  - CORRIDORS, INTERIOR EXIT STAIRWAYS & RAMPS AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
  - EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
  - INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1027.1 IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
- EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1008.1.6 EXIT DISCHARGE DOORWAYS IN BUILDING REQUIRED TO HAVE TWO OR MORE EXITS.
- EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT CANDLE (11 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOT CANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. A MAXIMUM TO MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40:1 SHALL NOT BE EXCEEDED. (1008.1.9.3)





**1ST FLOOR - DATA DEVICE PLAN**

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

**DATA DEVICE SCHEDULE - "A"**

| DESIGN ID                | COUNT | DESCRIPTION   | FURN. BY | INST. BY | COMMENTS                            |
|--------------------------|-------|---|----------|----------|-------------------------------------|
| AUDIO VISUAL             |       |   |          |          |                                     |
| 10005                    | 1     | MUSIC SYSTEM  | SB       | GC       |                                     |
| 10012                    | 1     | DT COMMUNICATION SYSTEM   | SB       | GC       |                                     |
| 10015                    | 3     | SPEAKER RECESSED - WHITE  | SB       | GC       |                                     |
| 10017                    | 1     | SPEAKER SURFACE MOUNTED - BLACK                                       | SB       | GC       |                                     |
| 12336                    | 1     | DT TIMER SYSTEM   | SB       | GC       |                                     |
| 19339                    | 1     | AMPLIFIER - 40W   | SB       | GC       |                                     |
| 19493                    | 4     | SPEAKER PENDANT MOUNTED - BLACK                                       | SB       | GC       |                                     |
| 22725                    | 1     | DT DIGITAL PRODUCTION MONITOR   | SB       | GC       | PART OF RETAIL IT EQUIPMENT PACKAGE |
| 22726                    | 1     | DT POS MONITOR ARM TRIPLE SURFACE MOUNTED                             | SB       | GC       | PART OF RETAIL IT EQUIPMENT PACKAGE |
| DATA                     |       |   |          |          |                                     |
| 10002                    | 1     | COMPUTER MANAGER WORKSTATION  | SB       | GC       |                                     |
| 10007                    | 1     | PRINTER MANAGER WORKSTATION   | SB       | GC       |                                     |
| 18744                    | 1     | EQUIPMENT RACK WITH LOCK - 24IN 610MM                                 | SB       | GC       |                                     |
| 20294                    | 4     | IOT MODULE  | SB       | GC       |                                     |
| GRAPHICS - INTERIOR MENU |       |   |          |          |                                     |
| 22970                    | 4     | MENU BOARD - DIGITAL DISPLAY - 44X25.25IN 1121X644MM - BLACK          | SB       | GC       |                                     |
| 22972                    | 1     | MENU BOARD - DIGITAL MENU BOARD MOUNTING BRACKET THREE SCREEN - BLACK | SB       | GC       |                                     |
| 23021                    | 1     | MENU BOARD - ORDER STATUS BOARD MOUNTING BRACKET - BLACK              | SB       | GC       |                                     |
| POINT OF SALE            |       |   |          |          |                                     |
| 10008                    | 2     | POS - REGISTER WITH COMPACT CASH DRAWER                               | SB       | GC       |                                     |
| 10014                    | 3     | POS PRINTER   | SB       | GC       |                                     |
| 10022                    | 1     | MONEY COUNTER   | SB       | GC       |                                     |
| 10029                    | 6     | POS BANK  | SB       | GC       |                                     |
| 10075                    | 4     | CUP LABELER   | SB       | GC       |                                     |
| 14677                    | 1     | POS - DT TENDERING REGISTER   | SB       | GC       | PART OF RETAIL IT EQUIPMENT PACKAGE |
| 14678                    | 1     | POS - DT EXPEDITOR  | SB       | GC       | PART OF RETAIL IT EQUIPMENT PACKAGE |
| SECURITY                 |       |   |          |          |                                     |
| 10024                    | 1     | SAFE LH - 20X18X26IN 510X455X660MM                                    | SB       | GC       |                                     |
| 10028                    | 1     | SAFE BASE   | SB       | GC       |                                     |

**KEYED NOTES**

**SOUND SYSTEM**

- PENDANT SPEAKER: MOUNT AT 12' (3660MM) A.F.F. OR AS CEILING HEIGHT PERMITS. COLOR TO BE BLACK OR PAINT TO MATCH ADJACENT FINISH.
- WALL MOUNT SPEAKERS: MOUNT AT 12' (3660MM) A.F.F. OR AS CEILING HEIGHT PERMITS. COLOR TO BE BLACK OR PAINT TO MATCH ADJACENT FINISH.
- AMPLIFIER: LOCATE ON SHELVING ABOVE MANAGER'S WORKSTATION.

**DATA & PHONE**

- DEMARC 1 & 2 CABLES: TERMINATE AND LABEL BOTH ENDS TO JACKS IN SMB (SURFACE MOUNT BOX). EXTEND CABLES TO DEMARCATON POINT OR IF NOT DEMARC PRESENT, COIL 10' (305MM) SERVICE LOOP ABOVE CEILING FOR FUTURE CONNECTION.
- PATCH PANEL (DATA RACK): CHECK INSTALL GUIDE FOR SPECIFICS ON CABLING AND LOCATION.
- DRIVE THRU CABLE (SHIELDED 20 GA 4 CONDUCTOR): MICROPHONE AND SPEAKER CABLES - CABLES SERVICE LOOED IN DATA BOX ABOVE HIGHEST SHELF OR ABOVE CEILING AND RUN FROM THIS LOCATION TO DT LANE OUTSIDE OF BUILDING (SEE SITE PLAN FOR MORE INFORMATION).
- DRIVE THRU CABLES (CAT6 BURIAL GRADE): CABLES FOR DIGITAL ORDER SCREEN, CAMERA AND SPARE LOCATED BELOW COUNTER AND RUN FROM THIS LOCATION TO DRIVE THRU LANE OUTSIDE OF BUILDING. SEE SITE PLAN FOR MORE INFORMATION.
- CUP LABELERS.

**SECURITY**

- SECURITY CAMERA: CEILING MOUNT TYPICAL IN OPEN CEILING CONDITION. LOCATE B.O. CAMERA AT SAME HEIGHT AS STORE LIGHTING.
- DRIVE THRU CAMERA: LOCATE 6' (1830MM) TO 8' (2440MM) FROM WINDOW WITH CLEAR VIEW OF CUSTOMER AND D1 POS.
- PIR MOTION DETECTOR REQUIRED PER STORE:
  - (1) BEHIND BAR NEAR POS
  - (1) CENTRALLY LOCATED IN CAFE
  - (1) AT MANAGER'S WORKSTATION
  - (1) CENTRALLY LOCATED IN BOH
- ALARM KEYPAD: LOCATED WITHIN 10' (305MM) OF EMPLOYEE ENTRANCE, MOUNTED AT 3'-6" (1070MM) A.F.F.
- DOOR POSITION SWITCH: LOCATE (1) AT EACH DOOR LEAF.
- LOCATE SECURITY HEAD UNIT AT MANAGER'S WORKSTATION.

**GENERAL**

15. THERMOSTAT LOCATION REFER TO "KEY NOTES" ON SHEET E101 POWER PLAN SHEET

**GENERAL NOTES**

**MUSIC SYSTEM**

- THE GENERAL CONTRACTOR SHALL INSTALL SPEAKERS AND WIRING PER VENDOR'S DRAWINGS.
- THE GENERAL CONTRACTOR SHALL INSTALL THE MUSIC SYSTEM, CONNECT WIRING AND TEST..
- SPEAKER PLACEMENT: LOCATE (1) PER 250 S.F. (23 S.M.) OF CAFE SPACE AT 14' (4270MM) MIN. TO 18' (5490MM) MAX. O.C.
- SPEAKER PAINTING: SPEAKER GRILLS CAN BE PAINTED.  
NOTE: ALL GRILL HOLES SHALL REMAIN OPEN.

**LOW VOLTAGE CABLING**

- G.C. TO PROVIDE PATHWAYS FOR ALL DATA AND LOW VOLTAGE CABLING DEVICES. CONDUITS CONTAINING MULTIPLE CABLES SHALL BE UPSIZED FOR FUTURE CAPACITY (1" (25MM) TYPICAL).
- PROVIDE LABELED END-TO-END PULL STRINGS RATED TO 25 LBS (11.33 KG) IN ALL CONDUITS.
- CONDUIT BEND RADIUS SHALL BE A MINIMUM OF 5X THE CONDUIT'S INTERNAL DIAMETER.
- TERMINATE CONDUITS THAT EXTEND THROUGH SLAB AT A MINIMUM OF 3" (76MM).
- FLEX CONDUIT IS GENERALLY UNACCEPTABLE FOR USE AS A COMMUNICATIONS CONDUIT EXCEPT AT SEISMIC JOINTS.
- ALL SUB-SLAB CONDUITS SHALL BE INSTALLED IN A MANNER THAT PREVENTS WATER INFILTRATION OF THE CONDUIT. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE RAIN WATER OR CONSTRUCTION WATER IS PREVENTED FROM ENTERING AND/OR REMOVED FROM CONDUIT PRIOR TO PLACEMENT OF CABLES.
- ALL PULL BOXES SHALL BE SIZED AND INSTALLED PER ANSI/TIA/EIA-569-A. PULL BOXES FOR UNDERGROUND CONDUITS ARE NOT PERMITTED UNLESS OTHERWISE NOTES.

**BROADBAND CABLE**

- MAIN POINT OF ENTRY: GENERAL CONTRACTOR TO PROVIDE 2" (50MM) DIA CONDUIT PATH FROM THE BUILDING'S MAIN POINT OF ENTRY (MPOE) TO THE CEILING ABOVE THE MANAGER'S WORKSTATION. THE INTERNET SERVICE PROVIDER (ISP) WILL DESIGNATE THE START AND END LOCATIONS FOR THE CONDUIT AND ANY BACKBOARD, GROUNDING AND POWER REQUIREMENTS.

**SECURITY**

- ENTRY CAMERA: CAPTURE ENTIRE DOORWAY AND CUSTOMER TOP OF HEAD TO KNEES. PROVIDE (1) CAMERA AT EACH POINT OF ENTRY.
- POS CAMERA: PRIMARY OBJECTIVE IS CUSTOMER. SECONDARY IS POS. IDEAL PLACEMENT IS TO CAPTURE BOTH.
- SAFE CAMERA: POSITION TO VIEW FROM HANDLE SIDE OF DOOR. POS CAMERA CAN BE USED WHEN SAFE IS LOCATED BELOW TERMINALS.
- DRIVE THRU CAMERA: PRIMARY OBJECT IS CUSTOMER. SECONDARY IS POS. IDEAL PLACEMENT IS TO CAPTURE BOTH.
- BOH CAMERA: CAPTURE CASH HANDLING AREA.
- CARBON MONOXIDE: PROVIDE (1) MINIMUM CARBON MONOXIDE (CO) DETECTOR LOCATED IN THE BACK OF HOUSE. PROVIDE SECOND DETECTOR IN CAFE AREA IF SPACE INCLUDES A FIREPLACE.

**LOW VOLTAGE ELECTRICAL SYMBOLS LEGEND**

- (CO) CARBON MONOXIDE DETECTOR
- (D) WIRELESS DOOR POSITION SWITCH
- (S) SECURITY KEY PAD
- (M) WIRELESS PIR MOTION SENSOR
- (LEC) LOCAL EXCHANGE CARRIER (DEMARCATION POINT)
- (WIFI) WI-FI ACCESS POINT

**DATA PORT RECEPTACLE KEY**

+ [HEIGHT A.F.F.] PORT NAME

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GPD PROJECT NO. 2023262.13  
Signature: STEVEN P. SCHAUER  
Date: 01/19/2024  
exp. date: 11/30/2025

**PROJECT NAME:**  
**RANDALL AND ACKMAN**

**PROJECT ADDRESS:**  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

**STORE #:** 70143  
**PROJECT #:** 95175-002  
**ISSUE DATE:** 1/19/24 PERMIT SET  
**DESIGN MANAGER:** CAMILLA WATSON  
**PRODUCTION DESIGNER:** JO  
**CHECKED BY:** GPD GROUP

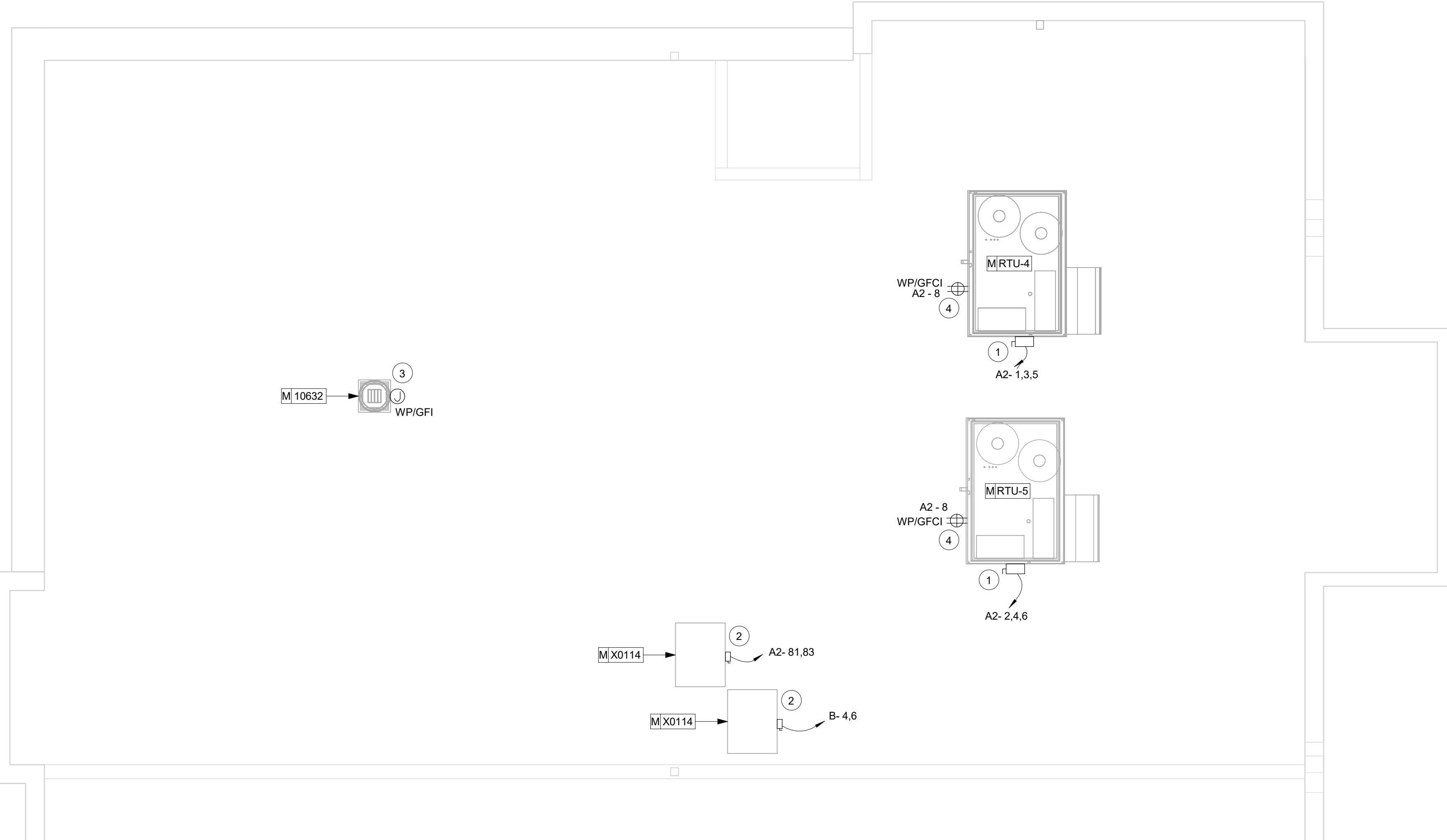
**Revision Schedule**

| Rev | Date | By | Description |
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**SHEET TITLE:**  
**DATA DEVICE PLAN**

**SCALE:** AS SHOWN

**SHEET NUMBER:**  
**E104**

| <p><b>KEYED NOTES</b></p> <ol style="list-style-type: none"> <li>1. PROVIDED BY STARBUCKS AND CONNECTION TO FACTORY MOUNTED DISCONNECT SWITCH.</li> <li>2. PROVIDED POWER BY STARBUCKS FOR ICE MACHINE CONDENSER. STARBUCKS WILL PROVIDE CIRCUIT PER KITCHEN EQUIPMENT SCHEDULE.</li> <li>3. PROVIDED BY STARBUCKS POWER FOR RESTROOM EXHAUST FAN. FAN SHALL BE CONTROLLED WITH BAR AREA LIGHTING TO RUN WHILE STORE IS IN OPERATION.</li> <li>4. PROVIDED BY STARBUCKS AND CONNECTION TO FACTORY MOUNTED GFCI RECEPTACLE.</li> </ol> |      | <p><b>GENERAL NOTES</b></p> <ol style="list-style-type: none"> <li>A. REFER TO ELECTRICAL DETAIL SHEETS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.</li> <li>B. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL VOLTAGE REQUIREMENTS ON ALL EQUIPMENT AND PROVIDING BUCK-BOOST TRANSFORMERS AS MAY BE NEEDED FOR CODE. ALL ARE NOT NECESSARILY INDICATED.</li> <li>C. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING AND HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) CONTRACTORS FOR ANY ADDITIONAL EQUIPMENT NEEDING POWER.</li> <li>D. EQUIPMENT REQUIRES CONNECTION TO THE BUILDING ELECTRICAL SYSTEM. FURNISH AND INSTALL ALL NECESSARY CONDUIT, WIRE, CONNECTIONS, RECEPTACLES AND OVERCURRENT PROTECTION NECESSARY TO ENSURE THE EQUIPMENT FUNCTIONS PROPERLY AND COMPLIES WITH ALL APPLICABLE LOCAL AND NATIONAL CODES. COORDINATE EQUIPMENT REQUIREMENTS WITH MANUFACTURER CUT SHEET PRIOR TO ROUGH-IN.</li> <li>E. REFERENCE LANDLORD WORK LETTER FOR DIVISION OF ELECTRICAL SCOPE OF WORK AND COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER.</li> </ol> <p>THESE DRAWINGS AND THE PROJECT MANUAL ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.</p> <p>STARBUCKS TEMPLATE VERSION i2023.04.24</p> |  <p>© 2018 STARBUCKS COFFEE COMPANY</p> <p><b>STARBUCKS®</b><br/>2401 UTAH AVENUE SOUTH<br/>SEATTLE, WASHINGTON 98134<br/>(206) 318-1575</p> |      |    |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|------|---|---|------|----|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  <p>MECHANICAL ROOF PLAN</p> <p>Scale: 1/4" = 1'-0"</p>   |      | <p>GPD GROUP, INC.<sup>®</sup><br/>LIC. # - 184-007100</p> <p>520 South Main Street, Suite 2331<br/>Akron, OH 44311<br/>330.572.2100 Fax 330.572.2101</p> <p>GPD PROJECT NO.: 2023262.13</p> <p>LICENSED STATE OF ILLINOIS<br/>STEVEN P. SCHUB<br/>062-065050<br/>Signature: <br/>Date: 01/19/2024 exp. date: 11/30/2025</p> <p>PROJECT NAME:<br/><b>RANDALL AND ACKMAN</b></p> <p>PROJECT ADDRESS:<br/><b>RANDALL RD &amp; ACKMAN RD<br/>CRYSTAL LAKE, IL 60014</b></p> <p>STORE #: 70143<br/>PROJECT #: 95175-002</p> <p>ISSUE DATE: 1/19/24 PERMIT SET<br/>DESIGN MANAGER: CAMILLA WATSON<br/>PRODUCTION DESIGNER: JO<br/>CHECKED BY: GPD GROUP</p> <p>Revision Schedule</p> <table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>By</th> <th>Description</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table> <p>SHEET TITLE:<br/><b>POWER ROOF PLAN</b></p> <p>SCALE: AS SHOWN</p> <p>SHEET NUMBER:<br/><b>E105</b></p>  | Rev   | Date | By | Description |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rev   | Date | By  | Description   |      |    |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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520 South Main Street, Suite 2351  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NO. 2023262.13

STEVEN P. SCHAUER  
062-065050  
Signature:   
Date: 01/19/2024  
exp. date: 11/30/2025

PROJECT NAME:  
**RANDALL AND ACKMAN**

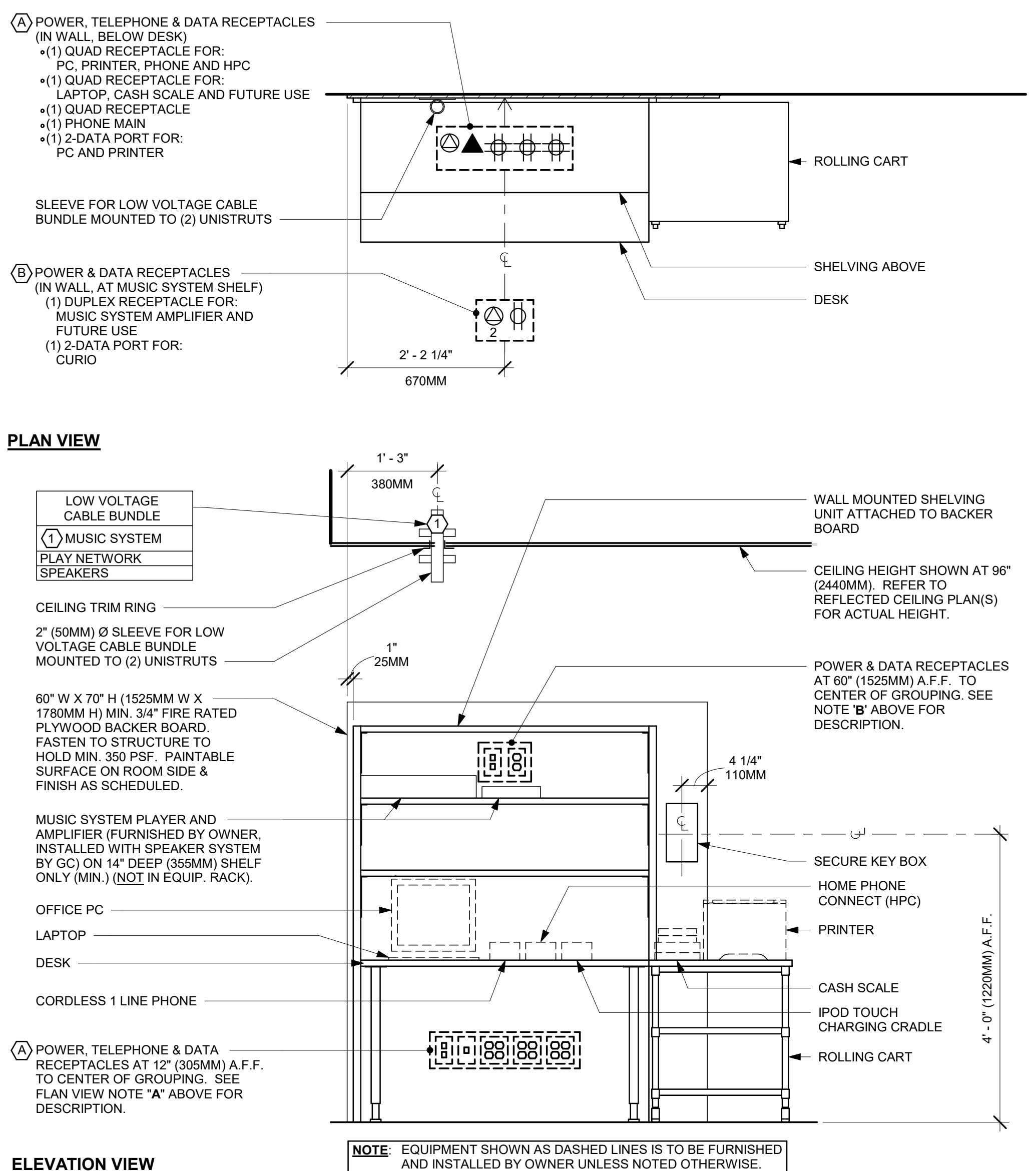
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

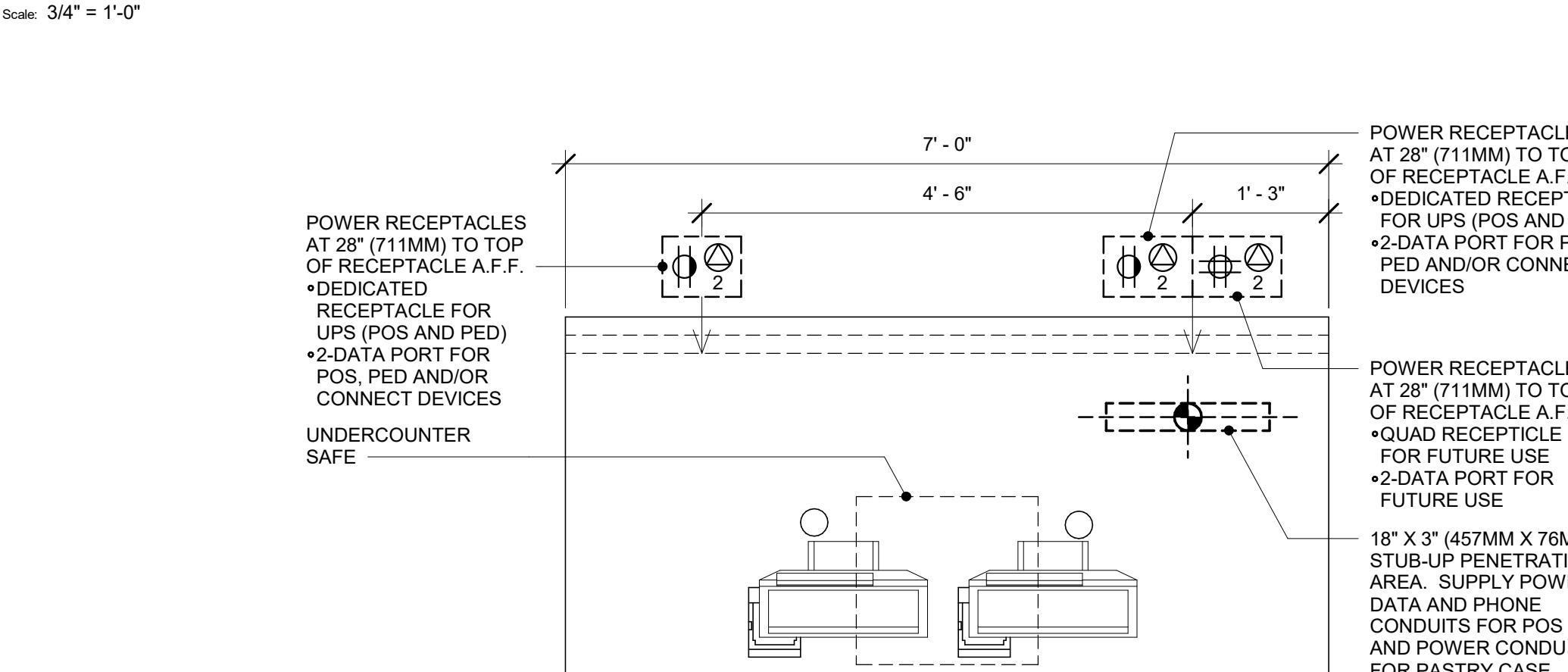
Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**ELECTRICAL DETAILS**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**E501**

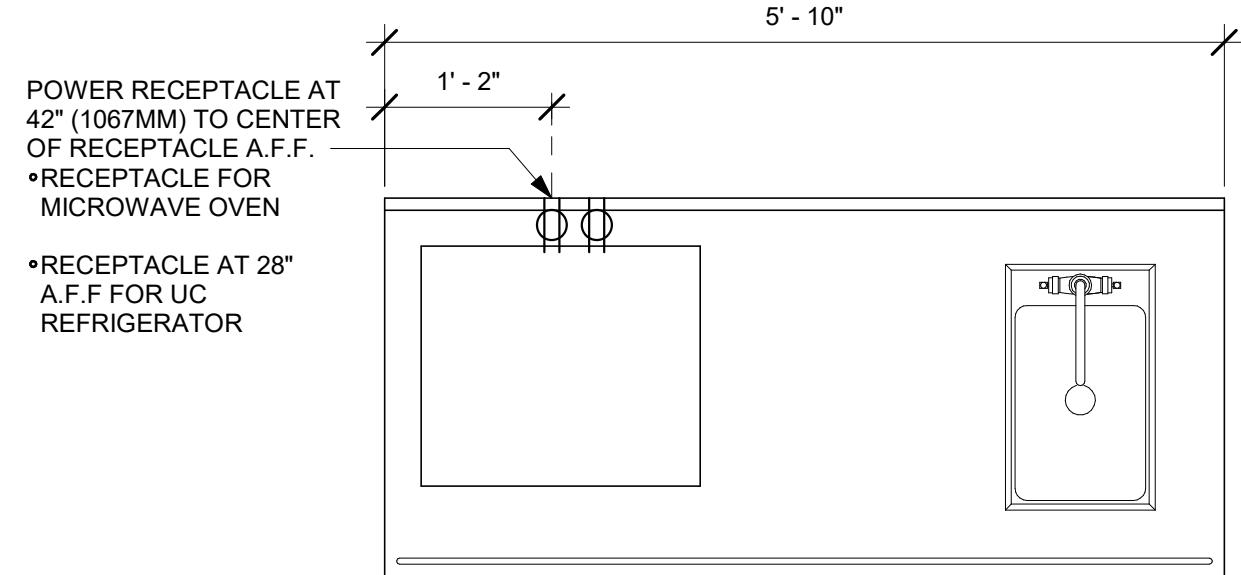


**4 MANAGER DESK (NEW) - RIGHT- ELECTRICAL**



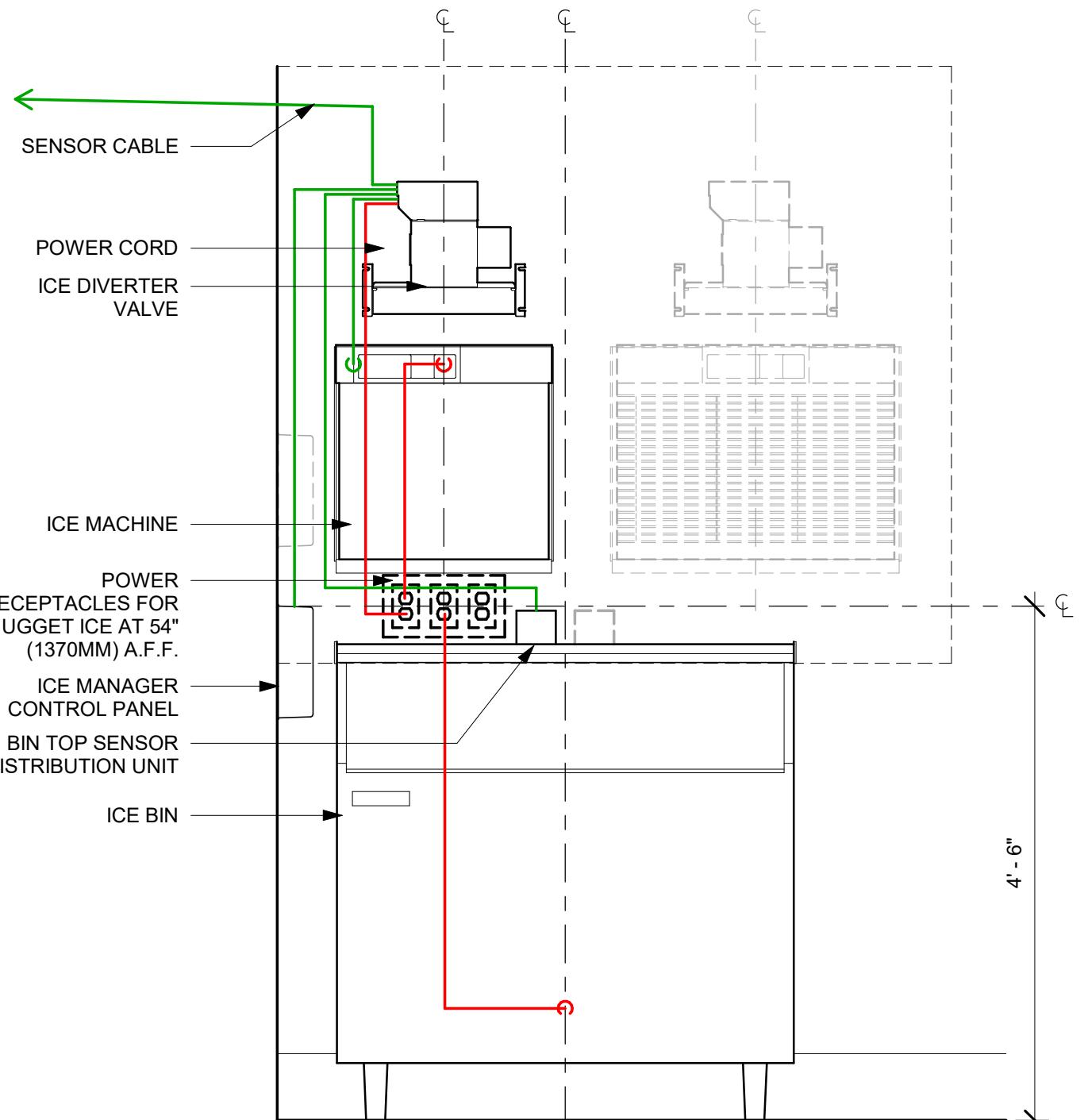
**3 POS 05-01 ELECTRICAL**

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

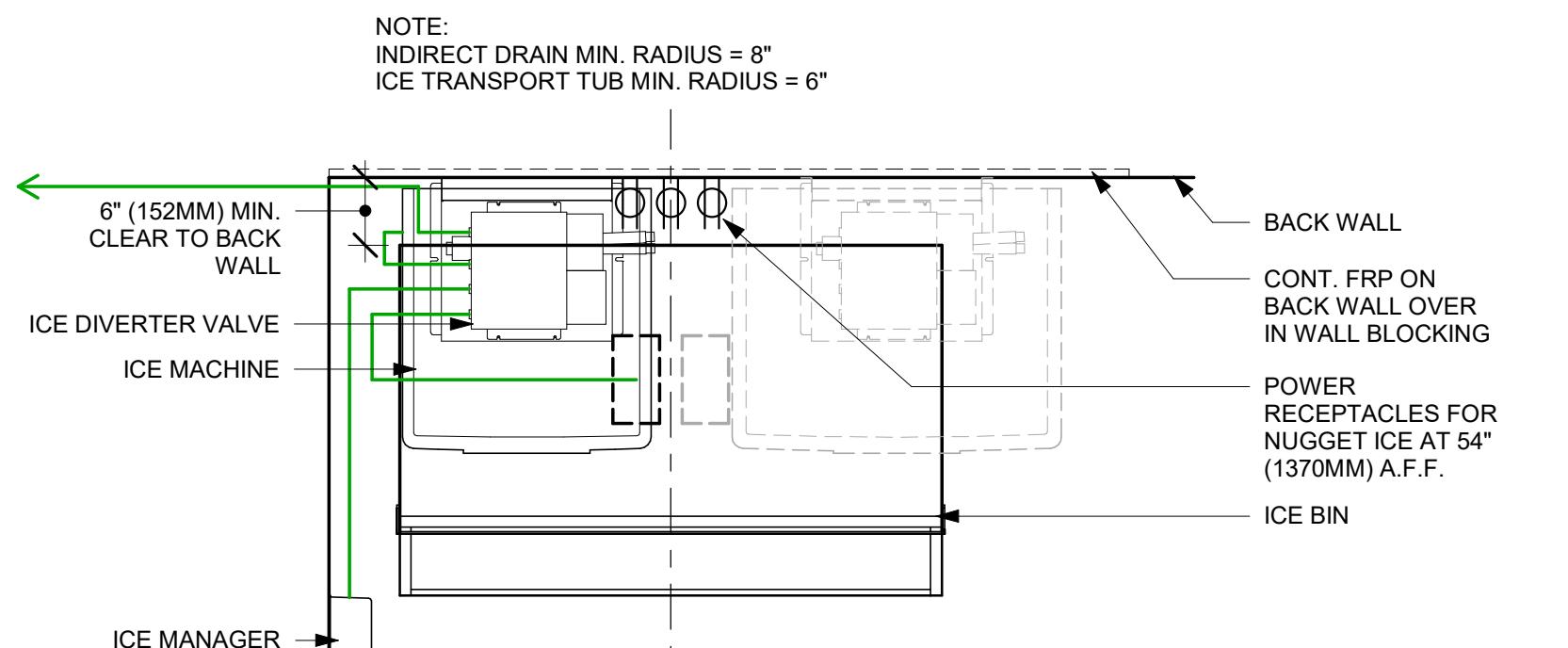


**2 ADD 20-03 PARTNER AMENITY ELECTRICAL**

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



**ELEVATION - PLUMBING DIAGRAM**



**PLAN - PLUMBING DIAGRAM**

NOTE: INDIRECT DRAIN MIN. RADIUS = 8"  
ICE TRANSPORT TUB MIN. RADIUS = 6"

**1 ELECTRICAL - NUGGET ICE - WM REMOTE COOLED - FUTURE 2ND MACHINE**

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



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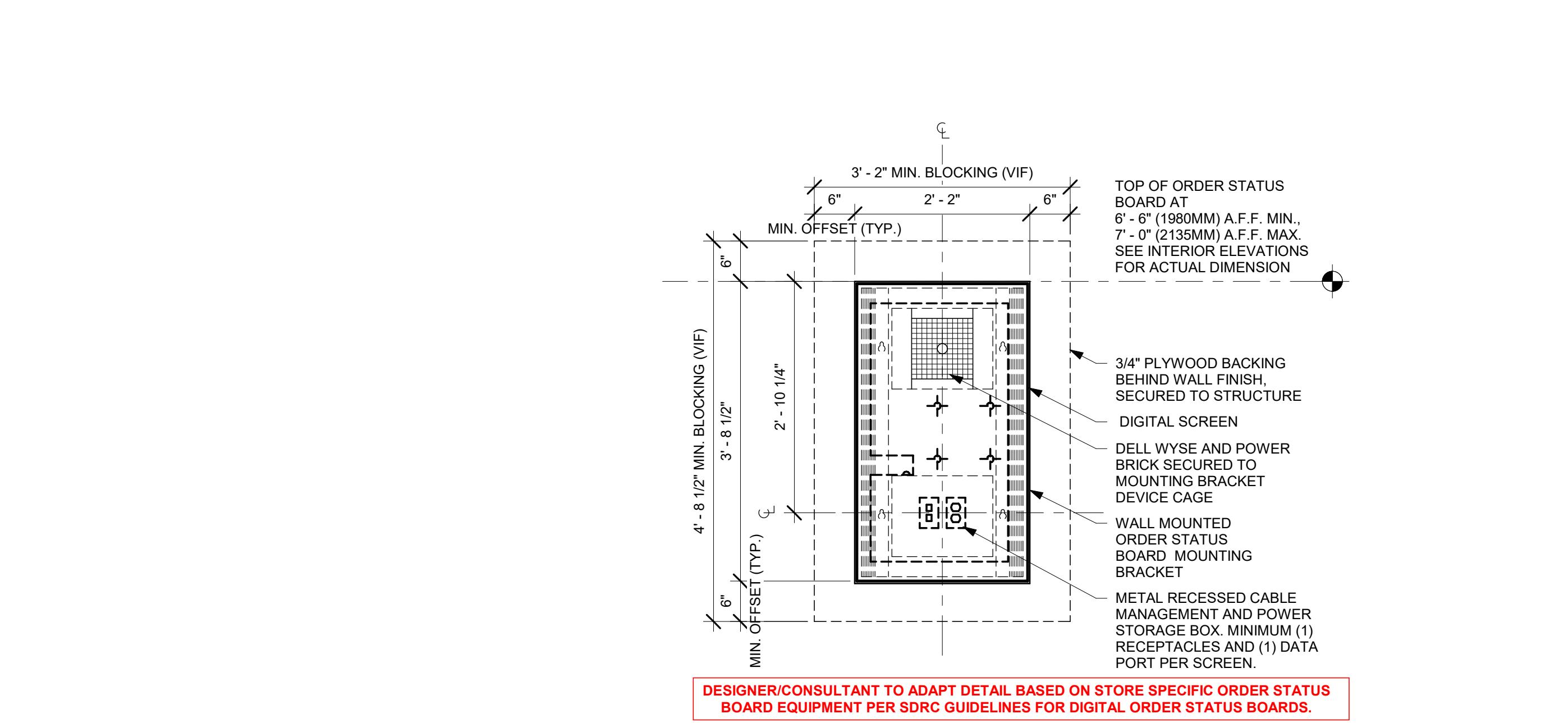
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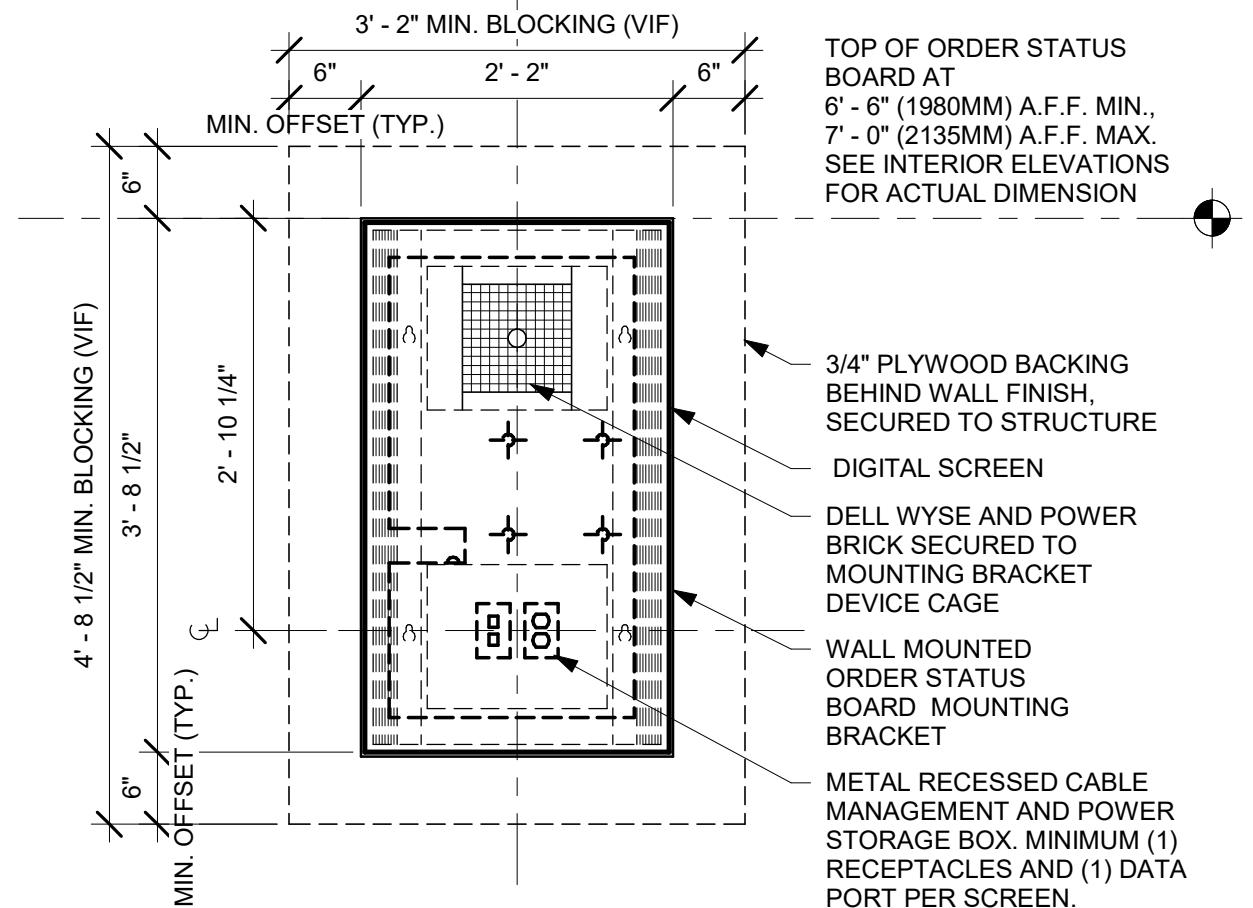
SHEET TITLE:  
**ELECTRICAL DETAILS**

SCALE: AS SHOWN

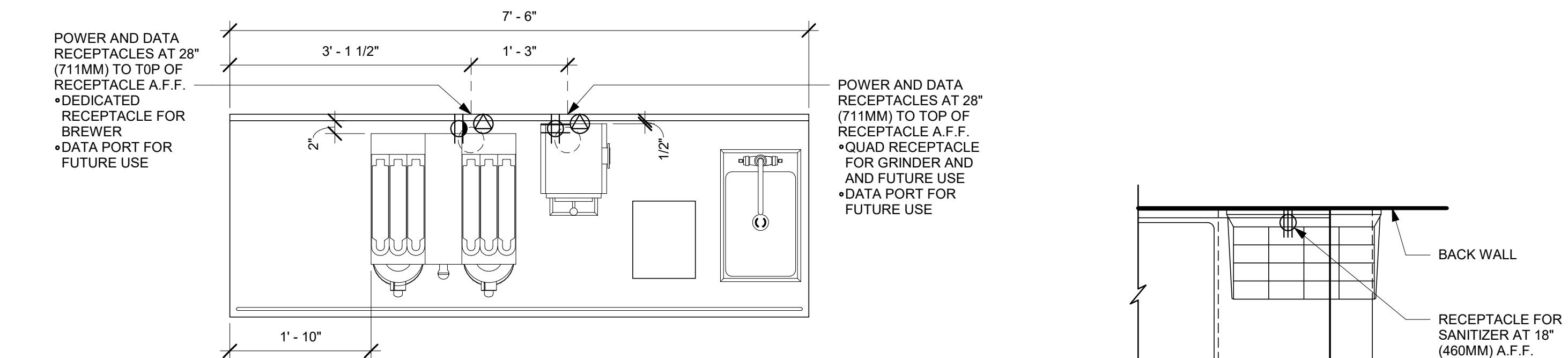
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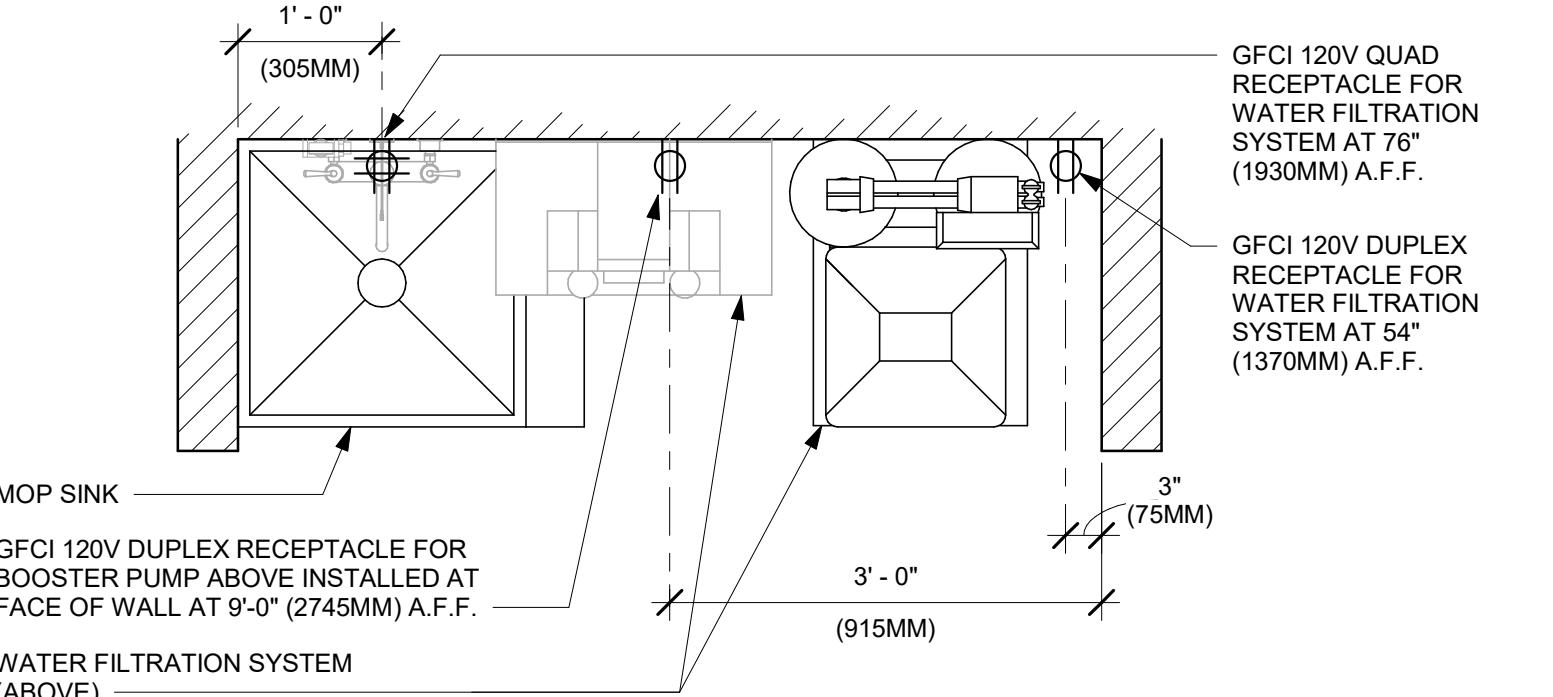
**8 ORDER STATUS BOARD INFRASTRUCTURE**  
Scale: 3/4" = 1'-0"



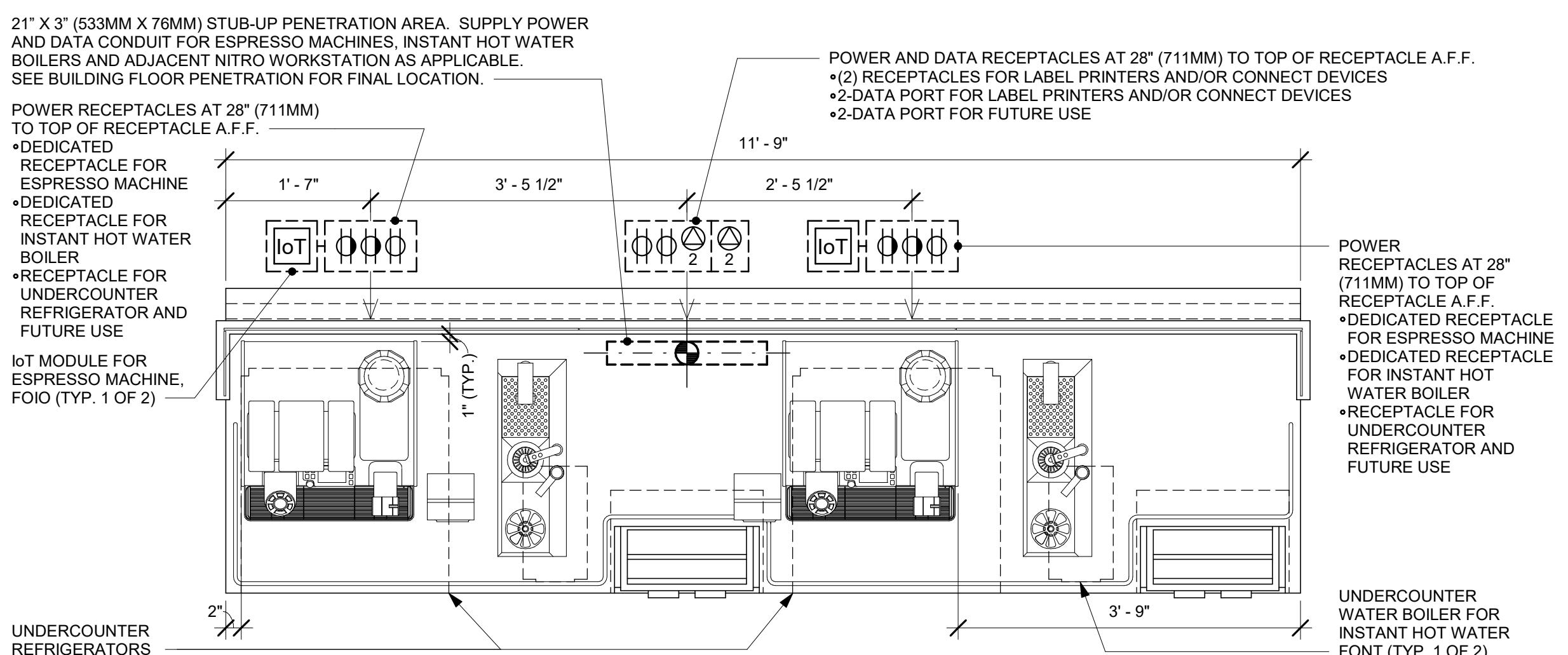
**3a DIGITAL MENU BOARDS - STANDARD MOUNT**  
Scale: 3/4" = 1'-0"



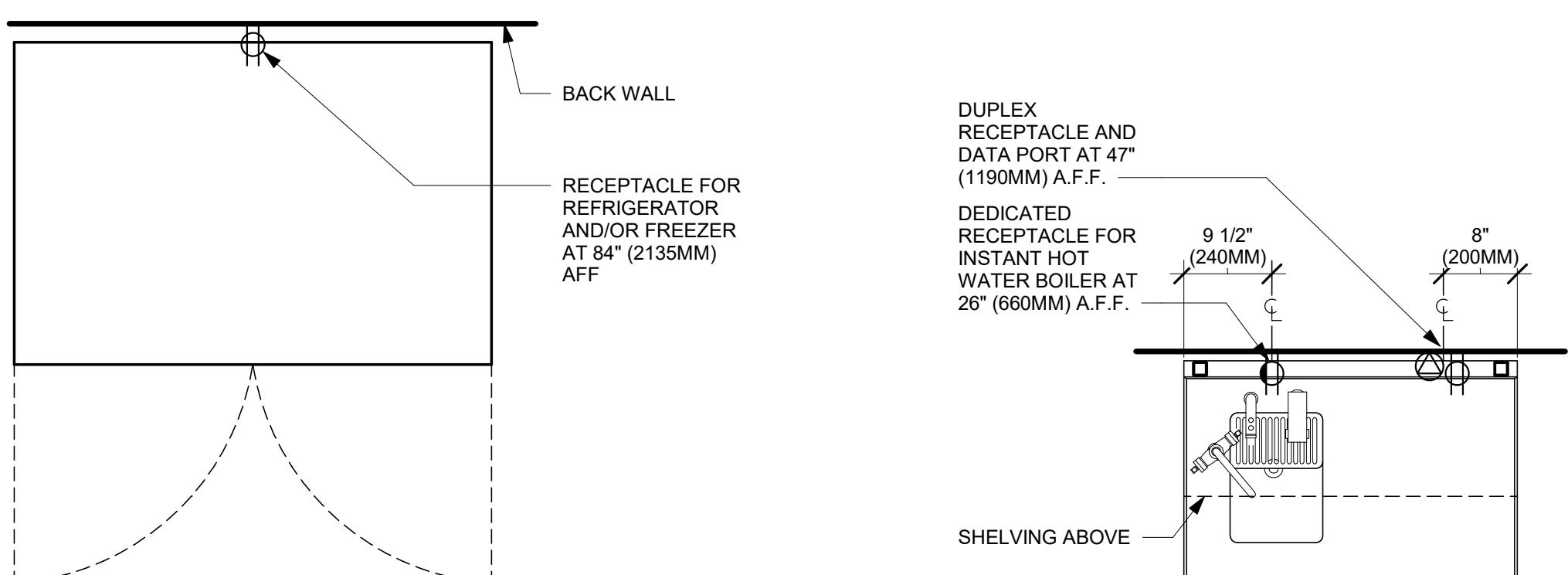
**2 SANITIZING WORKSTATION - ELECTRICAL**  
Scale: 3/4" = 1'-0"



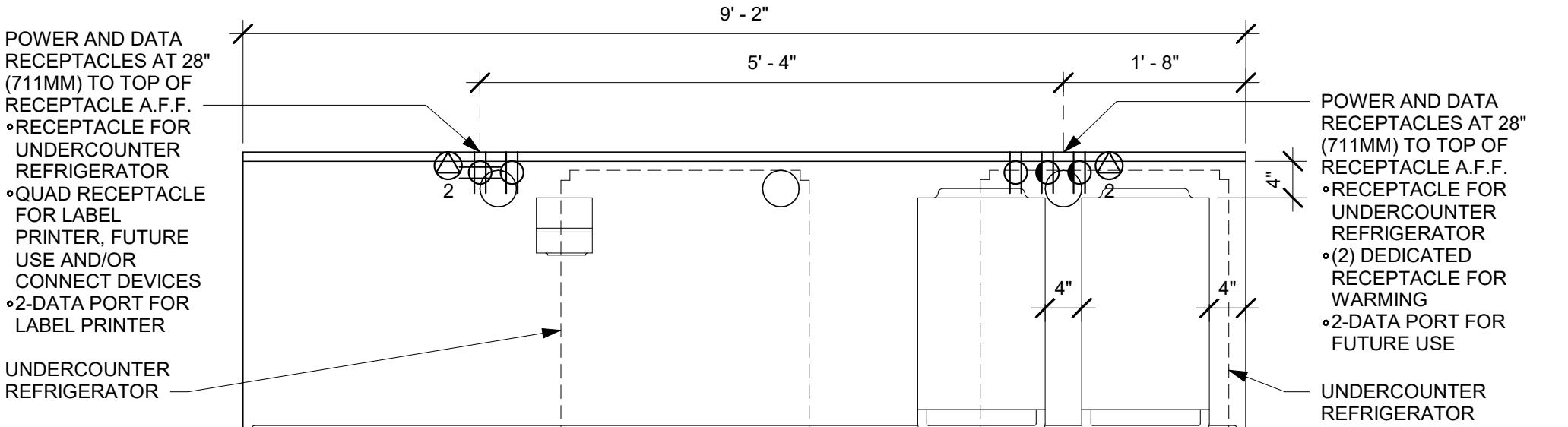
**7 WATER FILTRATION - CONFIGURATION III**  
Scale: 3/4" = 1'-0"



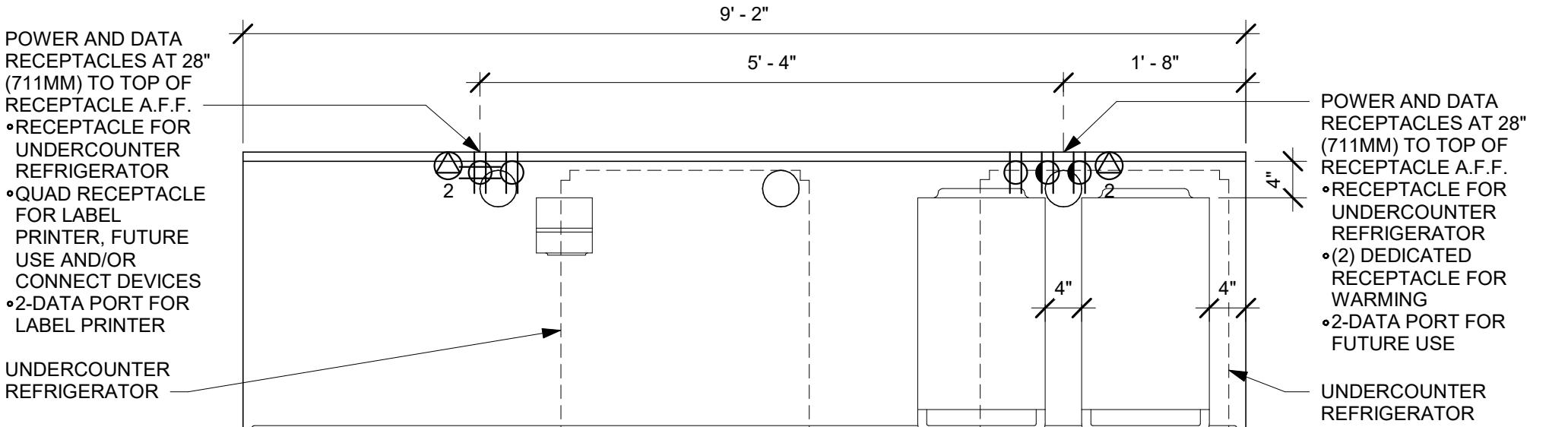
**6 ESP 04-02 ELECTRICAL**  
Scale: 3/4" = 1'-0"



**5 REFRIGERATOR/FREEZER - ELECTRICAL**  
Scale: 3/4" = 1'-0"



**4 WATER FILLING STATION - ELECTRICAL**  
Scale: 3/4" = 1'-0"



**1 WRM 15-03 ELECTRICAL**  
Scale: 3/4" = 1'-0"



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520 South Main Street, Suite 2351  
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330.572.2100 Fax 330.572.2101

GPD PROJECT NO. 2023262.13

STEVEN P. SCHAUER  
062-065050  
LIC# 184-007100  
STATE OF ILLINOIS  
Signature:   
Date: 01/19/2024  
exp. date: 11/30/2025

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

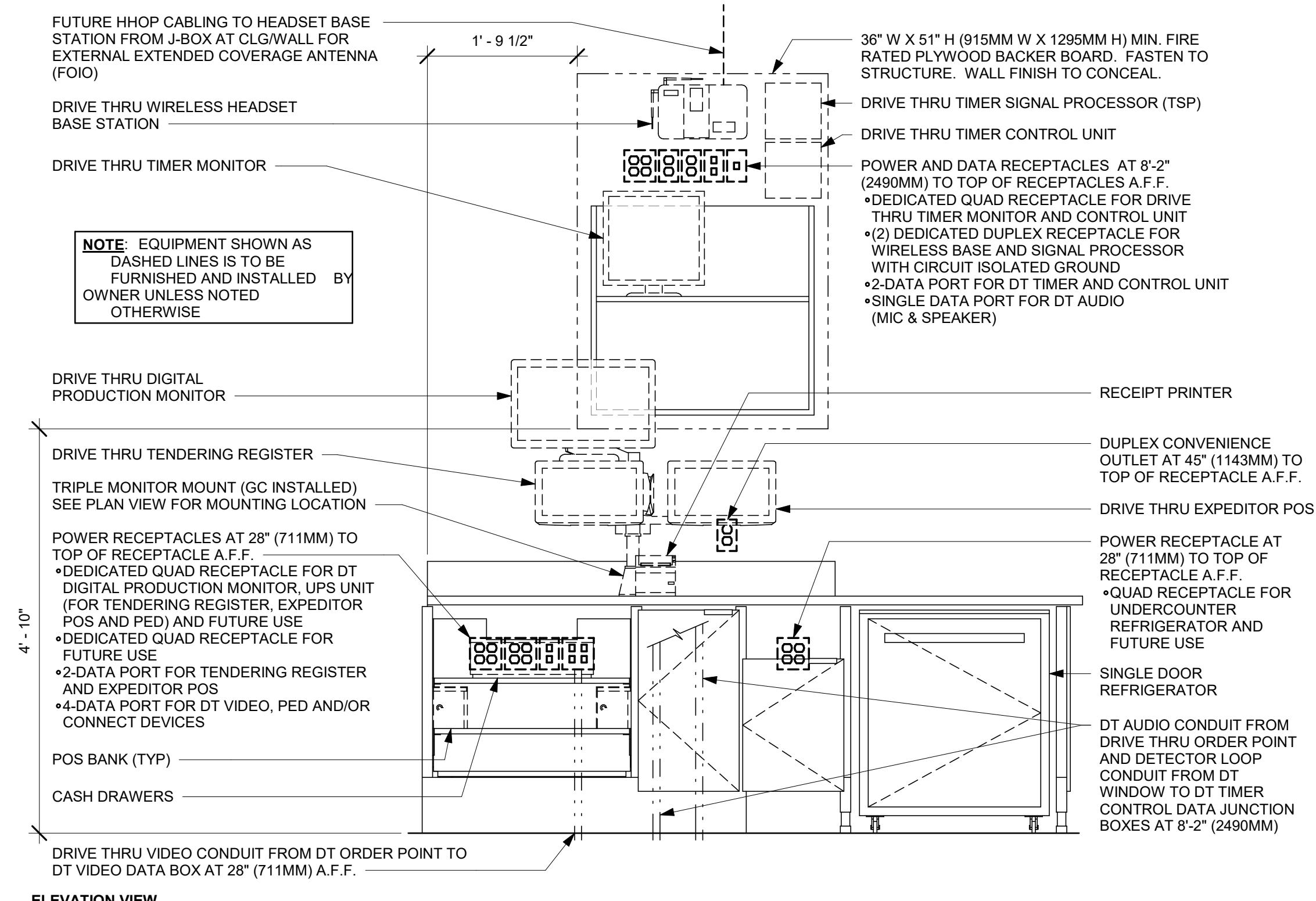
Revision Schedule

| Rev | Date | By | Description |
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SHEET TITLE:  
**ELECTRICAL DETAILS**

SCALE: AS SHOWN

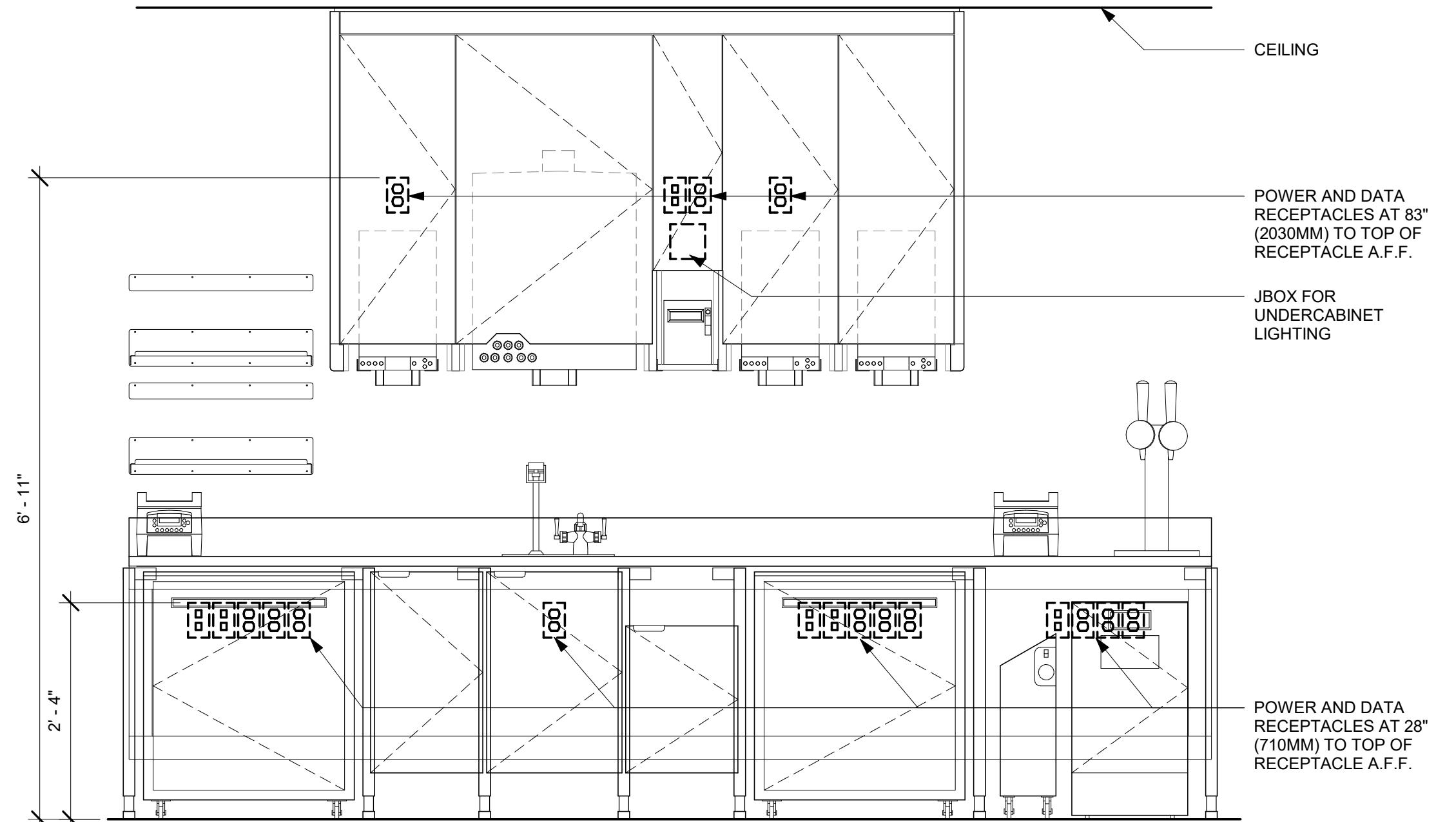
SHEET NUMBER:  
**E503**



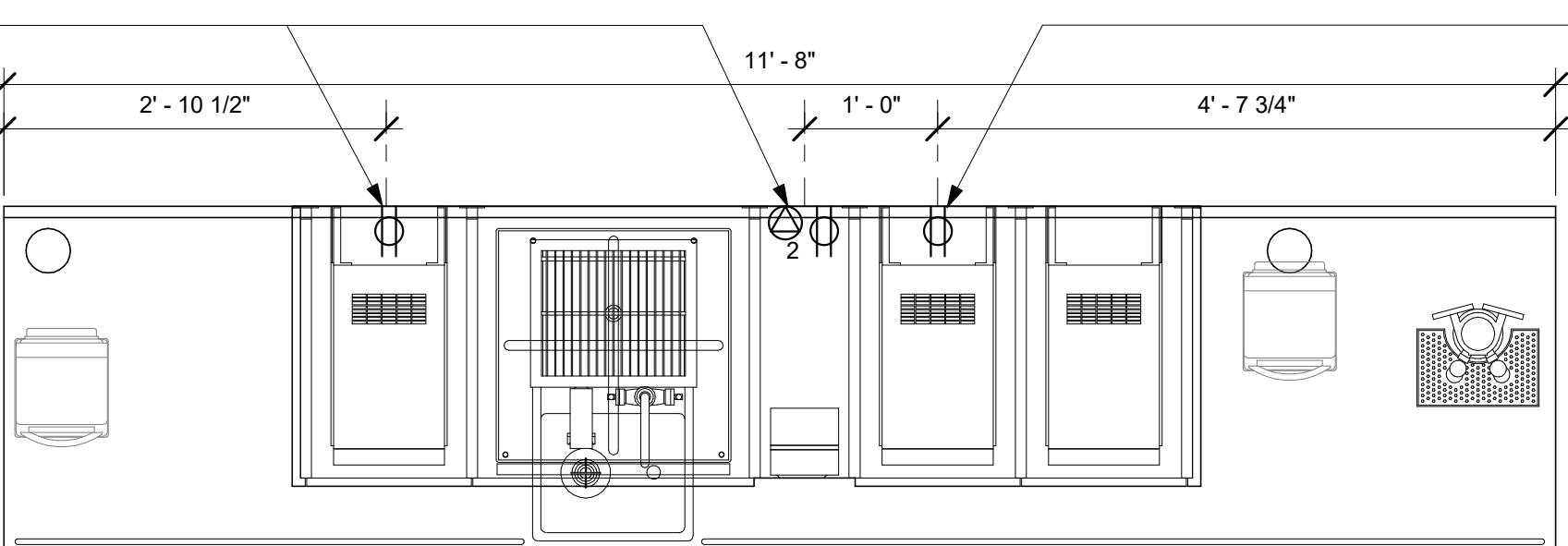
PLAN VIEW

**POS 08-03 ELECTRICAL**

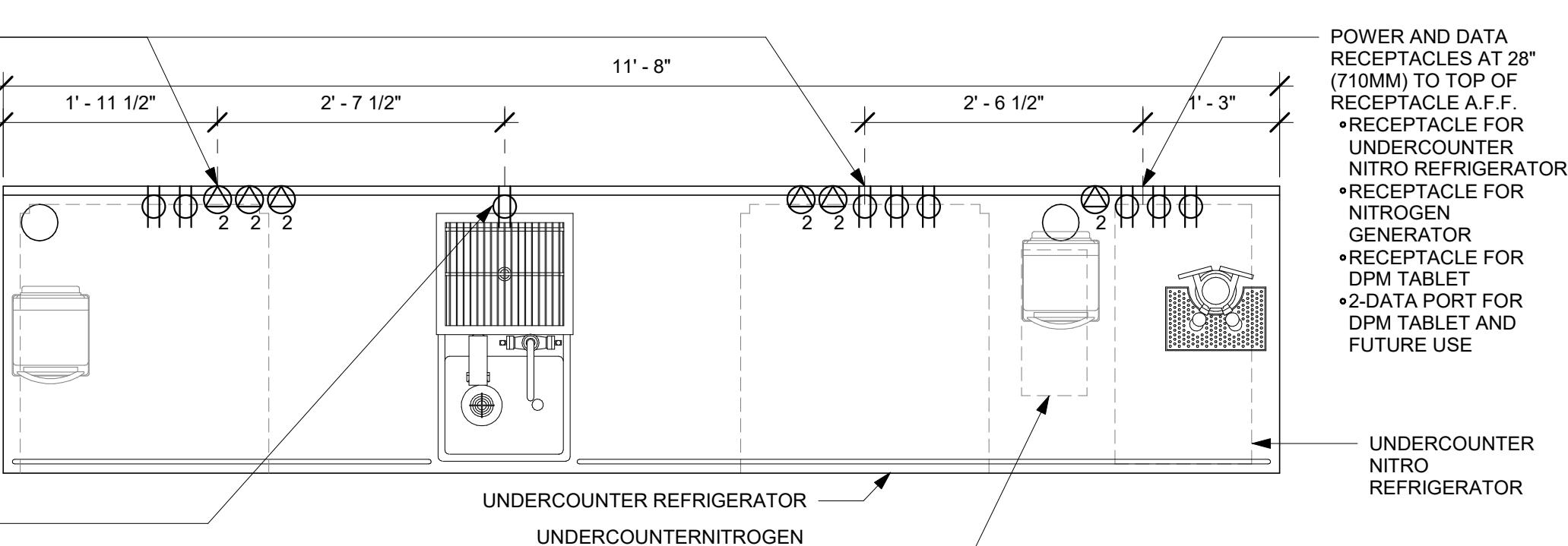
Scale: 3/4" = 1'-0"



**ELEVATION - ELECTRICAL DIAGRAM**



**PLAN - UPPER ELECTRICAL DIAGRAM**



**PLAN - ELECTRICAL DIAGRAM**

**1 AC CBE 24 ELECTRICAL**

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

1



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CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
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|                   |      |    |             |

SHEET TITLE:  
**GENERAL ELECTRICAL - EMS, NO LIGHTING**

SCALE: AS SHOWN

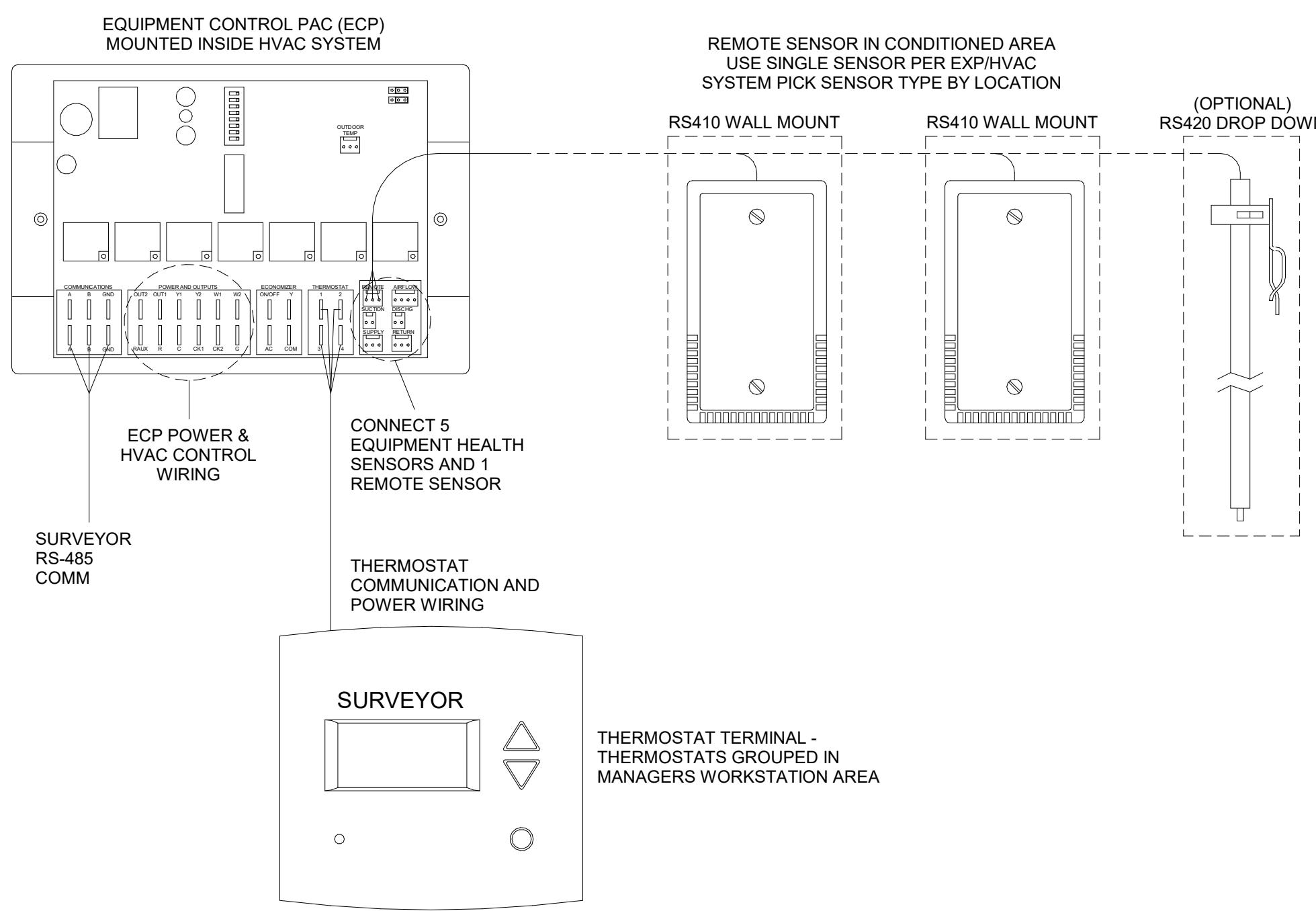
SHEET NUMBER:  
**E513**

## GENERAL NOTES

1. SURVEYOR ENERGY MANAGEMENT SYSTEM HARDWARE IS SUPPLIED BY STARBUCKS.
2. DRAWING FOR GENERAL INFORMATION, DESIGN INTENT, AND COORDINATION ONLY.
3. LOCAL BUILDING CODES TAKE PRECEDENCE OVER THIS DOCUMENT.
4. NOT ALL WIRING IS SHOWN ON THIS DRAWING. FOR CLARITY, ONLY ONE EXAMPLE OF EACH TYPE OF DEVICE IS SHOWN.
5. REFER TO THE SURVEYOR INSTALLATION INSTRUCTIONS FOR EACH COMPONENT FOR DETAILED WIRING AND ADDITIONAL CRITICAL INFORMATION.
6. CAUTION! INSTALLATION REQUIRES THE REMOVAL OF SAFETY COVERS AND EXPOSE THE INSTALLER TO HIGH VOLTAGE AND ELECTRICAL HAZARDS. USE OF A LICENSED ELECTRICIAN IS REQUIRED. FOLLOW ALL APPROPRIATE SAFETY PRECAUTIONS. ADDITIONAL SAFETY INFORMATION IS IN THE SURVEYOR INSTALLATION MANUALS.
7. WALL MOUNTED REMOTE SENSOR IS MOUNTED ON WALL 4 TO 5 FT AFF. AVOID AREAS WITH DIRECT AIRFLOW FROM SUPPLY REGISTERS.
8. USE A DROP DOWN SENSOR IF A WALL MOUNT SENSOR CANNOT BE INSTALLED DUE TO SPACE CONSTRAINTS (SEE NOTE 7 FOR REQUIREMENTS). THE SENSOR CLIPS TO THE T-BAR GRID AND ADJUSTED SO THE BOTTOM OF THE SENSOR IS 8 TO 9 FT AFF. ALLOW 2 FT OF CLEARANCE FROM METRO SHELVING AND AVOID AREAS WITH DIRECT AIRFLOW FROM SUPPLY REGISTERS.
9. FOR SURVEYOR EMS TECHNICAL SUPPORT AND SYSTEM COMMISSIONING, CONTACT SURVEYOR TECHNICAL SUPPORT, (855) 647-7660, OPTION 1 OR EMAIL INSTALLSUPPORT@VENSTAR.COM. HOURS 6:00 AM TO 8:00 PM PACIFIC, MON-FRI.

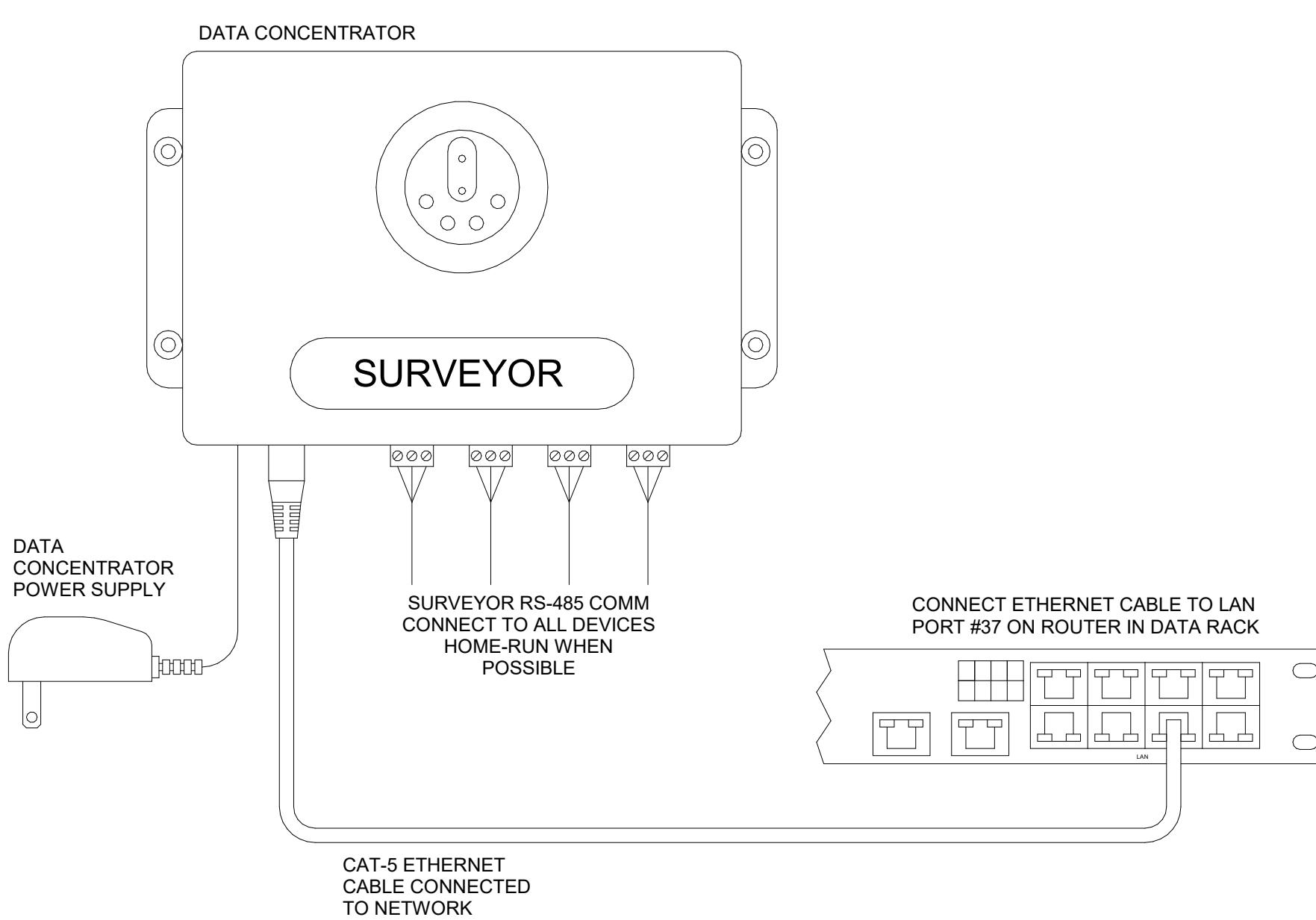
## SURVEYOR EMS COMPONENTS

| VENSTAR PART | SBUX ITEM # | DESCRIPTION                | QUANTITY       |
|--------------|-------------|----------------------------|----------------|
| DC500        | 011029485   | DATA CONCENTRATOR          | 1              |
| OTS400       | 011029487   | OUTDOOR TEMPERATURE SENSOR | 1              |
| ECP400       | 011029489   | EQUIPMENT CONTROL PAC      | 1 PER HVAC     |
| CT414        | 011029490   | COMMUNICATING THERMOSTAT   | 1 PER HVAC     |
| SP400        | 011029491   | SENSOR PAC                 | 1 PER HVAC     |
| RS410        | 011029492   | WALL MOUNT REMOTE SENSOR   | 1 PER FOH HVAC |
| RS420        | 011050767   | NARROW DROP DOWN SENSOR    | 1 PER BOH HVAC |



③ Venstar EMS - No Lighting Control - HVAC Controls

Scale: 6" = 1'-0"

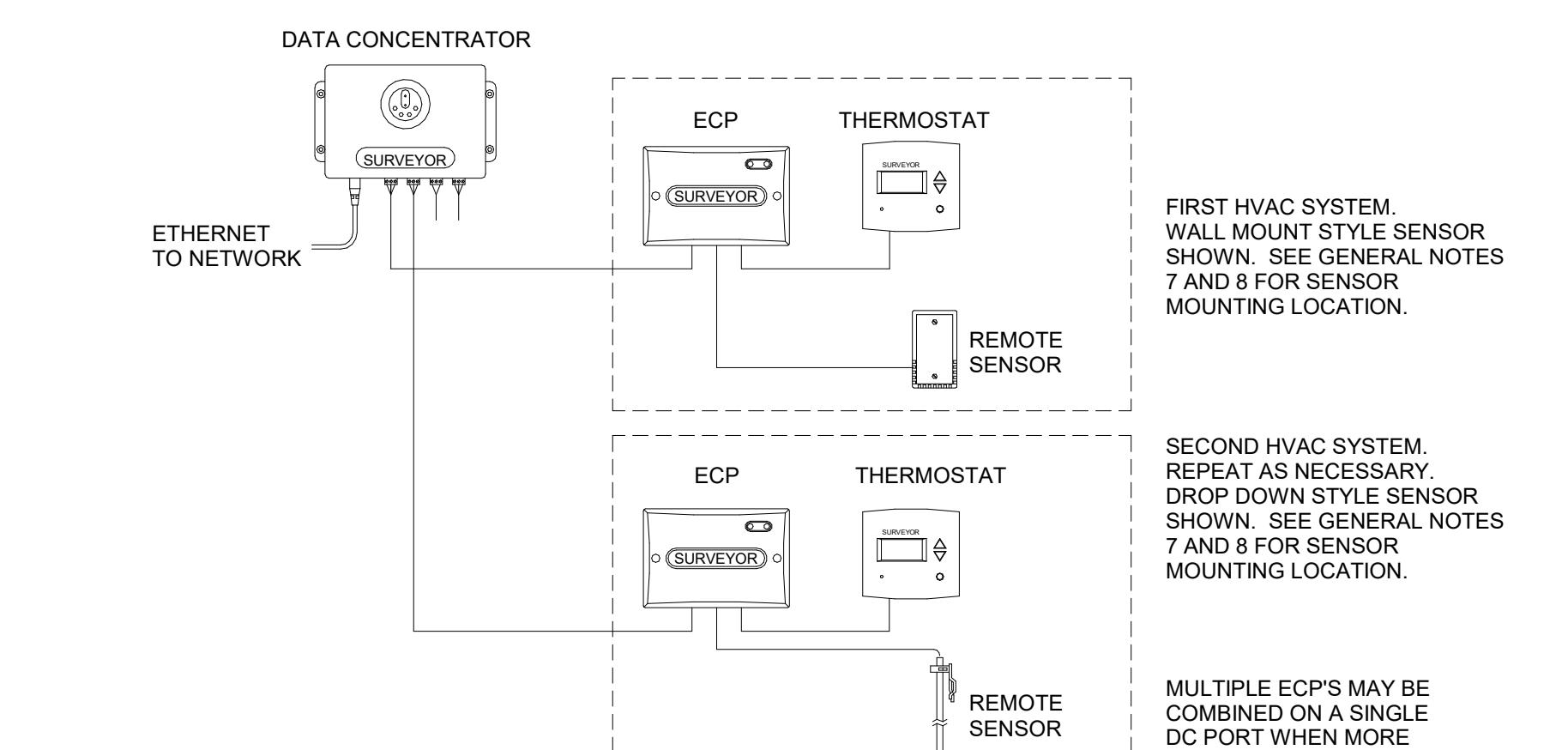


② Venstar EMS - No Lighting Control - Data Concentrator

Scale: 6" = 1'-0"

① Venstar EMS - No Lighting Control - Basic Low Voltage Wire Runs

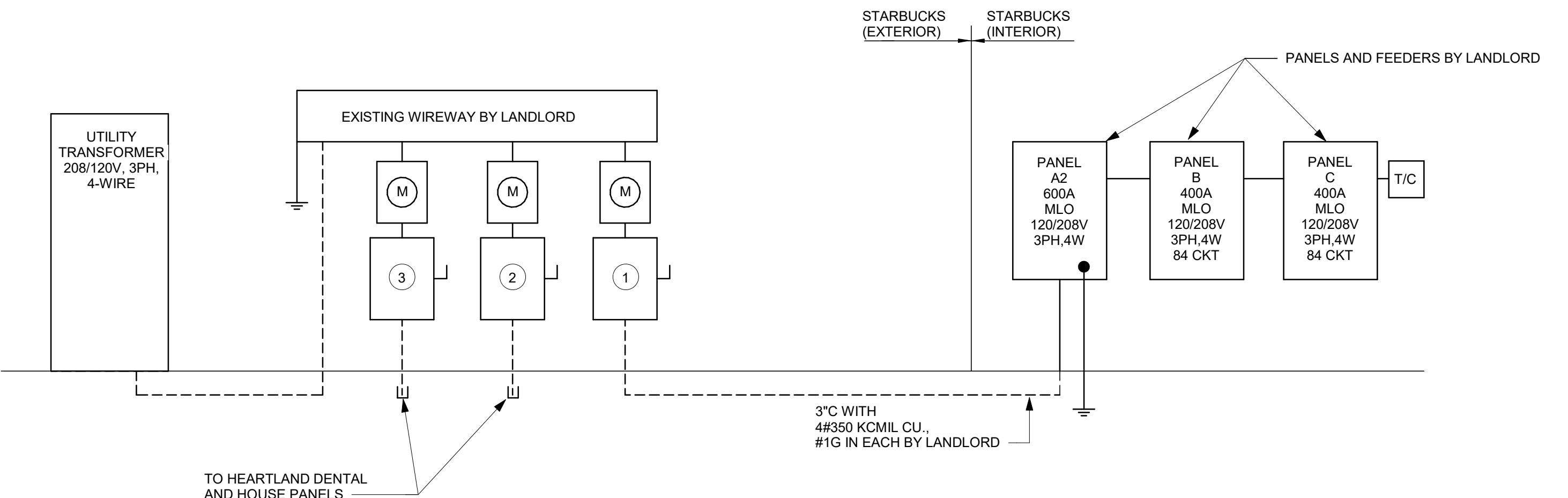
Scale: 6" = 1'-0"





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## 1 SINGLE-LINE DIAGRAM

Scale: NTS

### Branch Panel: A2

Location: RTU-4 AND RTU-5  
Supply From: Volts: 120/208 Wye  
Mounting: Recessed Phases: 3  
Enclosure: NEMA 1 Wires: 4

A.I.C. Rating: 22K (VERIFY WITH UTILITY)  
Mains Type: MLO  
Mounting: 600 A  
Enclosure: NEMA 1  
MCB Rating: MLO

Notes:  
EB - EXISTING CIRCUIT BREAKERS PROVIDED BY LANDLORD

| NOTES                                  | CKT                     | Load Name                       | Trip  | Poles | A       | B       | C       | Poles   | Trip    | Load Name | CKT                           | NOTES                     |         |      |
|--|-------------------------|---------------------------------|-------|-------|---------|---------|---------|---------|---------|-----------|-------------------------------|---------------------------|---------|------|
| EB                                     | 1                       | RTU-4 (BY LANDLORD)             | 20 A  | 3     | 660 VA  | 660 VA  |         |         | 3       | 20 A      | RTU-5 (BY LANDLORD)           | 2                         | EB      |      |
| 3                                      | --                      | --                              | --    | --    |         | 660 VA  | 660 VA  |         | --      | --        | --                            | 4                         |         |      |
| 5                                      | --                      | --                              | --    | --    |         |         | 660 VA  | 660 VA  | --      | --        | --                            | 6                         |         |      |
| EB                                     | 7                       | PANEL B (BY LANDLORD)           | 400 A | 3     | 1551... | 400 VA  |         |         | 1       | 20 A      | RTU RECEPTACLES (BY LANDLORD) | 8                         | EB      |      |
| EB                                     | 9                       | --                              | --    | --    |         | 1844... | 4 VA    | 2142... | 4 VA    | 2         | 40 A                          | AIR CURTAIN (BY LANDLORD) | 10      | EB   |
| EB                                     | 11                      | --                              | --    | --    |         |         |         |         | --      | --        | --                            | 12                        | EB      |      |
| EB                                     | 13                      | DRIVE THRU WINDOW (BY LANDLORD) | 20 A  | 1     | 1 VA    | 1080... |         |         | 1       | 20 A      | MANAGER'S DESK RECEPTS        | 14                        |         |      |
| 15                                     | MUSIC SYSTEM MGRS DESK  |                                 | 20 A  | 1     |         | 180 VA  | 540 VA  |         | 1       | 20 A      | WORKROOM RECEPTS              | 16                        |         |      |
| GFCI                                   | 17                      | 10267 - UC FRIDGE               | 20 A  | 1     |         |         | 500 VA  | 180 VA  | 1       | 20 A      | 23454 - MICROWAVE OVEN        | 18                        | GFCI    |      |
| GFCI                                   | 19                      | HOT TAP                         | 20 A  | 1     | 1800... | 180 VA  |         |         | 1       | 20 A      | WATER FILLING STATION RECEPT  | 20                        | GFCI    |      |
| GFCI                                   | 21                      | 15186 - DISHWASHER              | 40 A  | 2     |         | 3172... | 1320... | 3172... | 1320... | 1         | 20 A                          | 13682 - FREEZER           | 22      | GFCI |
| 23                                     | --                      | --                              | --    | --    |         |         |         |         | 1       | 20 A      | 13682 - FREEZER               | 24                        | GFCI    |      |
| GFCI                                   | 25                      | 10110 - FRIDGE                  | 20 A  | 1     | 400 VA  | 1200... |         |         | 1       | 20 A      | 11083 - FRIDGE                | 26                        | GFCI    |      |
| GFCI                                   | 27                      | 11083 - FRIDGE                  | 20 A  | 1     |         | 1200... | 180 VA  |         | 1       | 20 A      | PDU STRIP                     | 28                        |         |      |
| 29                                     | UPS RECEPT              |                                 | 20 A  | 1     |         |         | 180 VA  | 180 VA  | 1       | 20 A      | ICE MACHINE                   | 30                        | GFCI    |      |
| GFCI                                   | 31                      | ICE BIN                         | 20 A  | 1     | 180 VA  | 180 VA  |         |         | 1       | 20 A      | ICE MACHINE                   | 32                        | GFCI    |      |
| 33                                     | --                      | --                              | --    | --    |         |         | 180 VA  |         | 1       | 20 A      | MENU BOARD                    | 34                        |         |      |
| 35                                     | CONDIMENT CART          |                                 | 20 A  | 1     |         |         | 180 VA  | 900 VA  | 1       | 20 A      | CAFE RECEPTS                  | 36                        |         |      |
| 37                                     | CAFE WINDOW RECEPTS     |                                 | 20 A  | 1     | 540 VA  | 1520... |         |         | 1       | 20 A      | CAFE FLOORBOXES               | 38                        |         |      |
| 39                                     | CAFE FLOORBOXES         |                                 | 20 A  | 1     |         | 1520... | 360 VA  |         | 1       | 20 A      | RR2 HAND DRYER                | 40                        |         |      |
| 41                                     | RR1 HAND DRYER          |                                 | 20 A  | 1     |         |         | 360 VA  | 500 VA  | 1       | 20 A      | 10267 - UC FRIDGE             | 42                        | GFCI    |      |
| 43                                     | 10808 - GRINDER         |                                 | 20 A  | 1     | 1400... | 360 VA  |         |         | 1       | 20 A      | DIGITAL MENU BOARD            | 44                        |         |      |
| GFCI                                   | 45                      | 22885 - BREWER                  | 50 A  | 2     |         | 4160... | 3000... | 4160... | 3000... | 2         | 30 A                          | 20032 - WARMING OVEN      | 46      | GFCI |
| 47                                     | --                      | --                              | --    | --    |         |         |         |         | --      | --        | --                            | 48                        |         |      |
| GFCI                                   | 49                      | 20032 - WARMING OVEN            | 30 A  | 2     | 3000... | 500 VA  |         |         | 1       | 20 A      | 12618 - UC FRIDGE             | 50                        | GFCI    |      |
| 51                                     | --                      | --                              | --    | --    |         | 3000... | 500 VA  |         | 1       | 20 A      | 12618 - UC FRIDGE             | 52                        | GFCI    |      |
| GFCI                                   | 53                      | LABEL PRINTER                   | 20 A  | 1     |         |         | 360 VA  | 500 VA  | 1       | 20 A      | 10267 - UC FRIDGE             | 54                        | GFCI    |      |
| 55                                     | DT POS RECEPTS          |                                 | 20 A  | 1     | 720 VA  | 360 VA  |         |         | 1       | 20 A      | DT MONITORS                   | 56                        |         |      |
| 57                                     | WIRELESS BASE/PROCESSOR |                                 | 20 A  | 1     |         | 360 VA  | 500 VA  |         | 1       | 20 A      | 10267 - UC FRIDGE             | 58                        | GFCI    |      |
| GFCI                                   | 59                      | 20011 - NITRO                   | 20 A  | 1     |         |         | 680 VA  | 1800... | 1       | 20 A      | 12508 - BLENDER               | 60                        | GFCI    |      |
| GFCI                                   | 61                      | 21679 - NITRO                   | 20 A  | 1     | 500 VA  | 500 VA  |         |         | 1       | 20 A      | 10267 - UC FRIDGE             | 62                        | WP/GFCI |      |
| 63                                     | CUP LABELER/FUTURE USE  |                                 | 20 A  | 1     |         | 180 VA  | 180 VA  |         | 1       | 20 A      | SINK RECEPT                   | 64                        |         |      |
| GFCI                                   | 65                      | 23421 - MILK DISPENSER          | 20 A  | 1     |         |         | 1200... | 200 VA  | 1       | 20 A      | 23419 - MILK DISPENSER        | 66                        | GFCI    |      |
| GFCI                                   | 67                      | 23419 - MILK DISPENSER          | 20 A  | 1     | 200 VA  | 500 VA  |         |         | 1       | 20 A      | 10267 - UC FRIDGE             | 68                        | GFCI    |      |
| GFCI                                   | 68                      | 12508 - BLENDER                 | 20 A  | 1     |         | 1800... | 500 VA  |         | 1       | 20 A      | 10267 - UC FRIDGE             | 70                        | GFCI    |      |
| GFCI                                   | 71                      | HOT TAP                         | 20 A  | 1     |         |         | 1800... | 2900... | 2       | 50 A      | 19742 - ESPRESSO              | 72                        | GFCI    |      |
| GFCI                                   | 73                      | CUP LABELERS                    | 20 A  | 1     | 360 VA  | 2900... |         |         | --      | --        | --                            | 74                        |         |      |
| GFCI                                   | 75                      | 10267 - UC FRIDGE               | 20 A  | 1     |         | 500 VA  | 1800... |         | 1       | 20 A      | HOT TAP                       | 76                        | GFCI    |      |
| GFCI                                   | 77                      | 19742 - ESPRESSO                | 50 A  | 2     |         |         | 2900... | 720 VA  | 1       | 20 A      | POS                           | 78                        |         |      |
| GFCI                                   | 79                      | --                              | --    | --    | 2900... | 0 VA    |         |         | 2       | 20 A      | 16238 - FOOD CASE             | 80                        |         |      |
| GFCI                                   | 81                      | 23184 - ICE MACHINE CONDENSER   | 15 A  | 2     |         | 882 VA  | 0 VA    |         | --      | --        | --                            | 82                        |         |      |
| 83                                     | --                      | --                              | --    | --    |         |         | 882 VA  | 0 VA    | 1       | 20 A      | SPARE                         | 84                        |         |      |
| Total Load: 24551 VA 29182 VA 32040 VA |                         |                                 |       |       |         |         |         |         |         |           |                               |                           |         |      |
| Total Amps: 205 A 249 A 273 A          |                         |                                 |       |       |         |         |         |         |         |           |                               |                           |         |      |

#### Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                     |
|---------------------|----------------|---------------|------------------|----------------------------------|
| Power               | 15120 VA       | 100.00%       | 15120 VA         |                                  |
| Lighting            | 1252 VA        | 100.00%       | 1252 VA          | Total Conn. Load: 85773 VA       |
| Kitchen Equipment   | 49392 VA       | 85.00%        | 41983 VA         | Total Est. Demand: 73364 VA      |
| Receptacle          | 20000 VA       | 75.00%        | 15000 VA         | Total Conn. Current: 238 A       |
| Spare               | 9 VA           | 100.00%       | 9 VA             | Total Est. Demand Current: 204 A |
| Notes:              |                |               |                  |                                  |

|                      |                    |
|----------------------|--------------------|
| STORE #:             | 70143              |
| PROJECT #:           | 95175-002          |
| ISSUE DATE:          | 1/19/24 PERMIT SET |
| DESIGN MANAGER:      | CAMILLA WATSON     |
| PRODUCTION DESIGNER: | JO                 |
| CHECKED BY:          | GPD GROUP          |

|                   |      |    |             |
|-------------------|------|----|-------------|
| Revision Schedule |      |    |             |
| Rev               | Date | By | Description |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |

|   |  |  |  |
|---|--|--|--|
| SHEET TITLE: ELECTRICAL PANEL SCHEDULES |  |  |  |
| SCALE: AS SHOWN                         |  |  |  |
| SHEET NUMBER: E601                      |  |  |  |



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**STARBUCKS®**  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

### Branch Panel: C

Location: RTU-4 AND RTU-5  
Supply From: B  
Mounting: Recessed  
Enclosure: NEMA 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 22K (VERIFY WITH UTILITY CO)  
Mains Type: MLO  
Mains Rating: 400 A  
MCB Rating: MLO

Notes:

| NOTES | CKT   | Load Name | Trip | Poles | A  | B  | C | Poles | Trip  | Load Name | CKT | NOTES |
|-------|-------|-----------|------|-------|----|----|---|-------|-------|-----------|-----|-------|
| 1     | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 2   |       |
| 3     | Space | --        | 1    |       | -- | -- |   | 1     | --    | Space     | 4   |       |
| 5     | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 6         |     |       |
| 7     | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 8   |       |
| 9     | Space | --        | 1    |       | -- | -- |   | 1     | --    | Space     | 10  |       |
| 11    | Space | --        | 1    |       | -- | -- |   | 1     | --    | Space     | 12  |       |
| 13    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 14  |       |
| 15    | Space | --        | 1    |       | -- | -- |   | 1     | --    | Space     | 16  |       |
| 17    | Space | --        | 1    |       | -- | -- |   | 1     | --    | Space     | 18  |       |
| 19    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 20  |       |
| 21    | Space | --        | 1    |       | -- | -- |   | 1     | --    | Space     | 22  |       |
| 23    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 24        |     |       |
| 25    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 26  |       |
| 27    | Space | --        | 1    |       | -- | -- |   | 1     | --    | Space     | 28  |       |
| 29    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 30        |     |       |
| 31    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 32  |       |
| 33    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 34        |     |       |
| 35    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 36        |     |       |
| 37    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 38  |       |
| 39    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 40        |     |       |
| 41    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 42        |     |       |
| 43    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 44  |       |
| 45    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 46        |     |       |
| 47    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 48        |     |       |
| 49    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 50  |       |
| 51    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 52        |     |       |
| 53    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 54        |     |       |
| 55    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 56  |       |
| 57    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 58        |     |       |
| 59    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 60        |     |       |
| 61    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 62  |       |
| 63    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 64        |     |       |
| 65    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 66        |     |       |
| 67    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 68  |       |
| 69    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 70        |     |       |
| 71    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 72        |     |       |
| 73    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 74  |       |
| 75    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 76        |     |       |
| 77    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 78        |     |       |
| 79    | Space | --        | 1    | --    | -- |    |   | 1     | --    | Space     | 80  |       |
| 81    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 82        |     |       |
| 83    | Space | --        | 1    |       | -- | -- | 1 | --    | Space | 84        |     |       |

Total Load: 0 VA 0 VA 0 VA

Total Amps: 0 A 0 A 0 A

Legend:

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals                   |
|---------------------|----------------|---------------|------------------|--------------------------------|
|                     |                |               |                  |                                |
|                     |                |               |                  | Total Conn. Load: 0 VA         |
|                     |                |               |                  | Total Est. Demand: 0 VA        |
|                     |                |               |                  | Total Conn. Current: 0 A       |
|                     |                |               |                  | Total Est. Demand Current: 0 A |

Notes:

### Branch Panel: B

Location: RTU-4 AND RTU-5  
Supply From: A2  
Mounting: Recessed  
Enclosure: NEMA 1

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating: 22K (VERIFY WITH UTILITY CO)  
Mains Type: MLO  
Mains Rating: 400 A  
MCB Rating: MLO

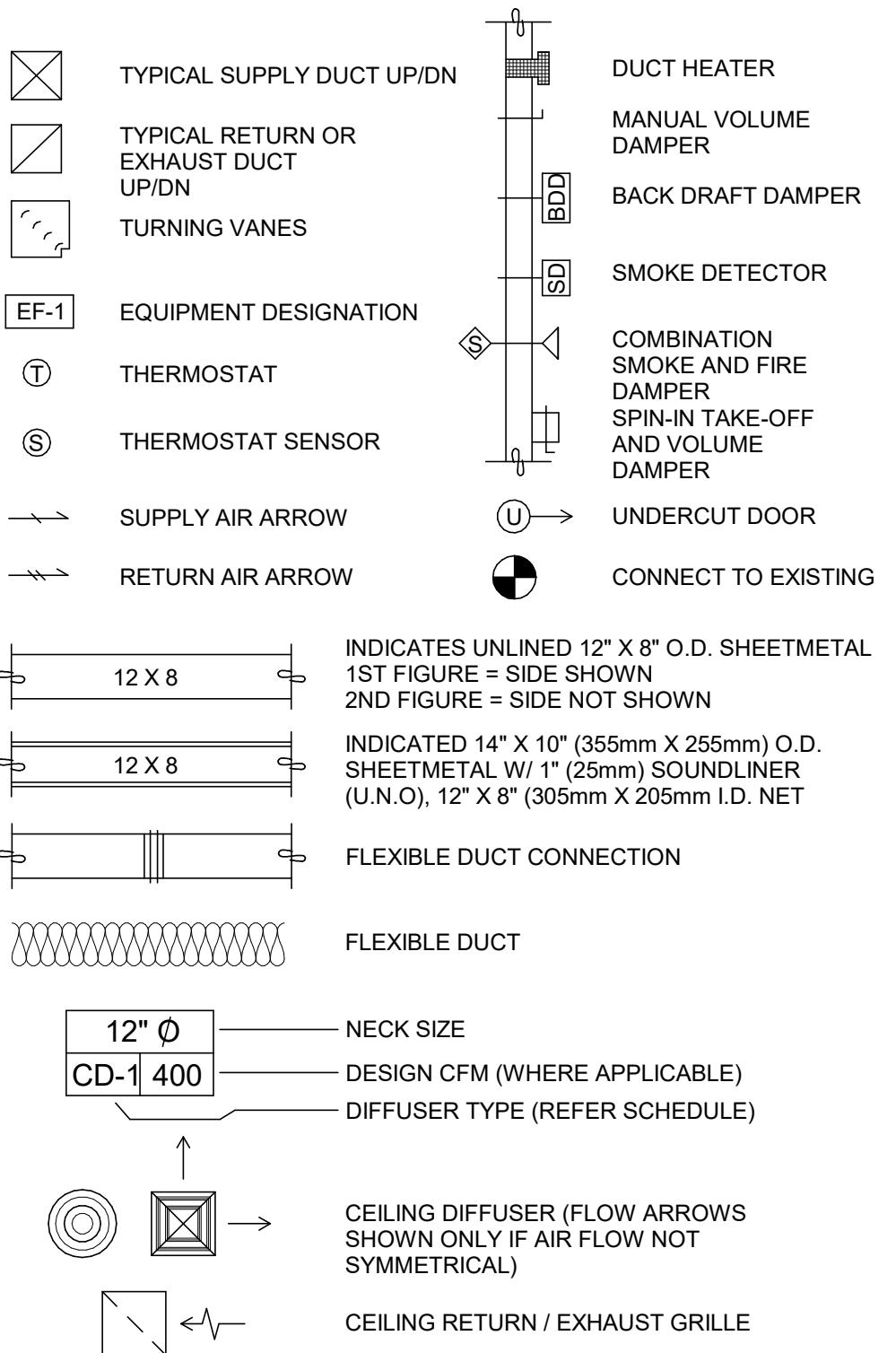
(EQUIPPED WITH FEED THRU LUGS)

Notes:

| NOTES | CKT                | Load Name | Trip | Poles  | A      | B      | C      | Poles | Trip | Load Name                     | CKT | NOTES |
|-------|--------------------|-----------|------|--------|--------|--------|--------|-------|------|-------------------------------|-----|-------|
| 1     | CAFE LIGHTS        | 20 A      | 1    | 765 VA | 245 VA |        |        | 1     | 20 A | WORKROOM LIGHTS               | 2   |       |
| 3     | BAR LIGHTS         | 20 A      | 1    |        | 242 VA | 882 VA |        | 2     | 15 A | 23184 - ICE MACHINE CONDENSER | 4   |       |
| 5     | DRIVE THRU SIGNAGE | 20 A      | 1    |        |        | 360 VA | 882 VA | --    | --   |                               | 6   |       |
| 7     | PRE-MENU           | 20 A      | 1    | 180 VA | 180 VA |        |        | 1     | 20 A | MENU BOARD                    | 8   |       |
| 9     | ORDER SCREEN       | 20 A      | 1    |        | 180 VA | 180 VA |        | 1     | 20 A | DRIVE THRU SIGNAGE            | 10  |       |
| 11    | BOOSTER PUMP       | 20 A      | 1    |        |        | 180 VA | 540 VA | 1     | 20 A | WATER FILTRATION/HEATER       | 12  |       |
| 13    | RR 1 & 2 LIGHTING  | 20 A      | 1    | 1 VA   | 180 VA |        |        | 1     | 20 A | EXTERIOR SIGN                 | 14  |       |
| 15    | EXTERIOR SIGN      | 20 A      | 1    |        | 180 VA | 180 VA |        | 1     | 20 A | EXTERIOR SIGN                 | 16  |       |
| 17    | EXTERIOR SIGN      | 20 A      | 1    |        |        | 180 VA | --     | 1     | --   | Space                         | 20  |       |
| 19    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 22  |       |
| 21    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 24  |       |
| 23    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 26  |       |
| 25    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 28  |       |
| 27    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 30  |       |
| 29    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 32  |       |
| 31    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 34  |       |
| 33    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 36  |       |
| 35    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 38  |       |
| 37    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 40  |       |
| 39    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 42  |       |
| 41    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 44  |       |
| 43    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 46  |       |
| 45    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 48  |       |
| 47    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 50  |       |
| 49    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 52  |       |
| 51    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 54  |       |
| 53    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 56  |       |
| 55    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 58  |       |
| 57    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 60  |       |
| 59    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 62  |       |
| 61    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space                         | 64  |       |
| 63    | Space              | --        | 1    | --     | --     |        |        | 1     | --   | Space</                       |     |       |

**ABBREVIATIONS**

|        |  |
|--------|--|
| AFF    | ABOVE FINISHED FLOOR                           |
| AHJ    | AUTHORITIES HAVING JURISDICTION                |
| APPROX | APPROXIMATE                                    |
| BLDG   | BUILDING                                       |
| C02    | CARBON DIOXIDE                                 |
| CD     | CEILING DIFFUSER                               |
| CLG    | CEILING  |
| CONST  | CONSTRUCTION                                   |
| CXA    | COMMISSIONING AGENT                            |
| DEG    | Degrees  |
| DM     | STARBUCKS DESIGN MANAGER                       |
| DN     | DOWN   |
| DTL    | DETAIL   |
| DWG(S) | DRAWING(S)                                     |
| EA     | EACH   |
| EC     | ELECTRICAL CONTRACTOR                          |
| ECP    | EQUIPMENT CONTROL PAC                          |
| EG     | EXHAUST GRILLE                                 |
| ELEC   | ELECTRICAL                                     |
| EM     | EMERGENCY                                      |
| EMS    | ENERGY MANAGEMENT SYSTEM                       |
| EXIST  | EXISTING                                       |
| EXT    | EXTERIOR                                       |
| F&I    | FURNISH & INSTALL                              |
| FOIC   | FURNISHED BY OWNER,<br>INSTALLED BY CONTRACTOR |
| FOIO   | INSTALLED BY OWNER,<br>FURNISHED BY OWNER      |
| FLR    | FLOOR  |
| FT     | FOOT/FEET                                      |
| G      | GAS PIPING                                     |
| GC     | GENERAL CONTRACTOR                             |
| HR     | HOUR   |
| HVAC   | HEATING, VENTILATION, AIR CONDITIONING         |
| I.D.   | INSIDE DIAMETER                                |
| IAQ    | INDOOR AIR QUALITY                             |
| LCP    | LIGHTING CONTROL PANEL                         |
| LL     | LANDLORD                                       |
| LV     | LOW VOLTAGE                                    |
| MAX    | MATRIXUM                                       |
| MC     | MECHANICAL CONTRACTOR                          |
| MECH   | MECHANICAL                                     |
| MEP    | MECHANICAL, ELECTRICAL AND PLUMBING            |
| MFG    | MANUFACTURER                                   |
| MIN    | MINIMUM  |
| NTS    | NOT TO SCALE                                   |
| O.D.   | OUTSIDE DIMENSION                              |
| OSA    | OUTSIDE AIR                                    |
| REF    | REFERENCE                                      |
| REQ'D  | REQUIRED                                       |
| REV    | REVISION                                       |
| RT     | ROOFTOP  |
| SF     | SQUARE FEET                                    |
| SHT    | SHEET  |
| SPECS  | SPECIFICATION(S)                               |
| SST    | STAINLESS STEEL                                |
| TEMP   | TEMPORARY                                      |
| TYP    | TYPICAL  |
| UNO    | UNLESS NOTED OTHERWISE                         |
| UC     | UNDER COUNTER                                  |
| WH     | WATER HEATER                                   |
| WSHP   | WATER SOURCE HEAT PUMP                         |

**MECHANICAL SYMBOL LEGEND****CONTROLS AND OPERATION NOTES**

THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING COMPONENTS:

**CONTROL WIRING**  
THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING IN CONDUIT NECESSARY FOR THE COMPLETE AND PROPER OPERATING TEMPERATURE CONTROL SYSTEM INCLUDING ALL MODES OF OPERATION AND INTERLOCK.

**EXHAUST FANS**  
RESTROOM EXHAUST FAN(S) TO BE OPERATED IN CONJUNCTION WITH STORE HOURS UNLESS OTHERWISE NOTED OR APPROVED OR AS REQUIRED BY JURISDICTION (COORDINATE WITH ELECTRICAL).

**THERMOSTAT**  
PERMANENT THERMOSTAT(S) AND REMOTE SENSOR(S) SHALL BE FURNISHED AND INSTALLED. ONE THERMOSTAT AND SENSOR IS PROVIDED FOR EACH UNIT MOUNT THERMOSTAT(S) AND SENSOR(S) IN LOCATION & HEIGHT AS INDICATED ON DRAWINGS. MECHANICAL CONTRACTOR TO PROVIDE THERMOSTAT IDENTIFICATION LABELS PER SPECIFICATION REQUIREMENTS. REFER TO THERMOSTAT SETUP INSTRUCTIONS BELOW FOR ADDITIONAL REQUIREMENTS.

**THERMOSTAT SETUP INSTRUCTIONS**  
PROVIDE THE FOLLOWING SETUP AND PROGRAMMING:  
 1. CONFIGURE AS FOLLOWS:  
     A. DEGREES ° DISPLAY  
     B. 12 HOUR CLOCK  
     C. CONTINUOUS FAN OPERATION IN OCCUPIED MODE  
     D. DISABLE KEYBOARD PROGRAMMING  
 2. SET TIME AND DATE  
 3. SET TO DISPLAY CURRENT TEMPERATURE.  
 4. SET OCCUPIED START TIME AT 30 MIN. BEFORE OPENING. SET UNOCCUPIED START TIME AT 30 MIN. AFTER CLOSING. VERIFY HOURS WITH STORE MANAGER OR CONSTRUCTION MANAGER.  
 5. SET POINTS SHALL BE AS FOLLOWS OR AS APPROPRIATE FOR CLIMATE:  
     A. OCCUPIED (5° F DEADBAND) (3°C DEADBAND)  
         I. HEATING: 70° F (21°C)  
         II. COOLING: 75° F (24°C)  
     B. UNOCCUPIED  
         I. HEATING: 60° F (15°C)  
         II. COOLING: 78° F (25°C)  
 6. SET TWO (2) HOUR OCCUPIED OVERRIDE FUNCTION TO PROVIDE THE FOLLOWING SET POINT OVERRIDES:  
     A. HEATING: +2° F (1°C)  
     B. COOLING: -2° F (1°C)

**DEMAND CONTROL VENTILATION (DCV)**  
THE C02 SENSOR SHALL MODULATE THE AIR HANDLING UNIT OUTSIDE AIR DAMPER TO MAINTAIN 1000 PPM C02 OR LESS  
OCCUPIED MODE:  
 1. FAN SHALL RUN CONTINUOUSLY WHILE BRINGING IN MINIMUM DCV OUTSIDE AIR AS INDICATED IN SCHEDULE.  
 2. IF C02 SENSOR SET POINT IS BELOW THE SETPOINT, THE AIR DAMPER SHALL BE OPEN TO THE CALCULATED DCV MINIMUM OUTSIDE AIR.  
 3. IF C02 SENSOR SETPOINT IS EXCEEDED, OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN 1000 PPM NOT TO EXCEED THE CALCULATED DESIGN MINIMUM OUTSIDE AIR.  
 4. UPON C02 PPM FALLING BELOW THE SETPOINT OF 1000 PPM, THE AIR DAMPER SHALL RETURN TO DCV MINIMUM OUTSIDE AIR.  
 5. THE ECONOMIZER SHALL HAVE PRIORITY OVER THE DCV CONTROLS. OUTSIDE AIR MAY EXCEED DCV MINIMUM AND DESIGN MINIMUM WHEN AIR CONDITIONS ARE APPROPRIATE TO DO SO.  
UNOCCUPIED MODE:  
 1. FAN SHALL CYCLE WITH HEATING AND OUTSIDE AIR DAMPER CLOSED. OUTSIDE DAMPER SHALL NOT BE CYCLED WITH C02 PPM SETPOINT.

**SYSTEM COMMISSIONING**

CONTRACTOR RESPONSIBILITIES FOR BUILDING COMMISSIONING  
CONTRACTOR SHALL PROVIDE SUPPORT AND WORK AS SPECIFIED, NEEDED AND REQUIRED TO CONDUCT AND FACILITATE STARBUCKS STAFF BUILDING COMMISSIONING EFFORTS. THIS WORK WILL BE COMPRISED OF THREE DISTINCT EFFORTS:  
 1. SUPPORT STARBUCKS COMMISSIONING AGENT (CXA) DURING INSTALLATION VERIFICATION AND CORRECT DISCLOSED DEFICIENCIES.  
 2. PERFORM TESTING, ADJUSTING, BALANCING AND SYSTEM STARTUP AND SUPPORT FUNCTIONAL PERFORMANCE TESTING BY STARBUCKS CXA;  
 3. CORRECT DEFICIENCIES DISCLOSED BY FUNCTIONAL PERFORMANCE TESTING AND SUBMIT REPORTS.

CONTRACTOR SHALL PERFORM AND PROVIDE THE FOLLOWING:

- A. SYSTEMS SUBJECT TO COMMISSIONING MAY INCLUDE, BUT ARE NOT LIMITED TO DOMESTIC HOT WATER GENERATION, HVAC SYSTEMS, ROOFTOP UNITS, EXHAUST FANS, HVAC CONTROLS, LIGHTING CONTROLS AND AIR CURTAINS.
- B. CONTRACTOR SHALL PROVIDE WRITTEN RESPONSES TO ALL CXA'S REVIEWS AND COMMENTS. RESPONSES SHALL BE PROVIDED IN A TIMELY MANNER.
- C. CONTRACTOR SHALL INCLUDE COMMISSIONING ACTIVITIES IN PROJECT SCHEDULE AND SHOW INTERVALS FOR PERFORMANCE OF WORK FOR WHICH CONTRACTOR IS RESPONSIBLE AND INTERVALS FOR WORK PERFORMED BY STARBUCKS CXA. CONTRACTOR SHALL SHOW RESOURCES FOR PERFORMING ALL WORK RELATED TO COMMISSIONING ACTIVITIES ON A LINE ITEM IN THE SCHEDULE OF VALUES.
- D. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND ALL CONTRACT DOCUMENTS. ENSURE THAT ALL EQUIPMENT IS INSTALLED TOTALLY COMPLETE AND ACCESSIBLE TO STARBUCKS CXA FOR INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING PRIOR TO THE SCHEDULED START OF INSTALLATION VERIFICATION.
- E. CONTRACTOR SHALL COMPLETE MANUFACTURER'S STARTUP PROCEDURES PRIOR TO COMMISSIONING COORDINATION WITH CXA.
- F. CONTRACTOR SHALL BE READILY AVAILABLE DURING INSTALLATION VERIFICATION TO CORRECT ANY DEFICIENCIES OR DEFECTS AS CLOSED BY THE INSTALLATION VERIFICATION PROCESS. CORRECTIONS SHALL BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION OF THE CONSTRUCTION SCHEDULE.
- G. ALL HVAC EXHAUST FAN AND AIR CURTAIN EQUIPMENT SHALL BE TESTED, ADJUSTED AND BALANCED BY THE CONTRACTOR'S TESTING, ADJUSTING AND BALANCING AGENT (SEE TESTING, ADJUSTING AND BALANCING) AFTER THE SYSTEM IS VERIFIED TO BE COMPLETELY CORRECT BY STARBUCKS CXA IN ACCORDANCE WITH THE REQUIREMENTS OF THESE DOCUMENTS. ALL HVAC CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICE AND SUPPORTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE TESTED TO ENSURE THAT THEY OPERATE IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS. DELIVERABLES: PRELIMINARY, WRITTEN TESTING AND AIR BALANCE REPORT CONFORMING TO THE REQUIREMENTS SPECIFIED HEREIN, DOCUMENTING THE INFORMATION SPECIFIED, ETC... TO THE STARBUCKS CXA IMMEDIATELY UPON COMPLETION OF THE WORK.
- H. PROVIDE A LIST OF ALL FACTORY AND FIELD SETTINGS THAT HAVE BEEN PROGRAMMED INTO THE EQUIPMENT (SUCH AS SETPOINTS, SCHEDULES, DIP SWITCH SETTINGS, CONDENSER AND EVAPORATOR OPERATING PRESSURE/TEMPERATURE, ETC...).
- I. CONTRACTOR SHALL INFORM STARBUCKS CXA WHEN EQUIPMENT IS READY FOR FUNCTIONAL PERFORMANCE TESTING. ALL EQUIPMENT SHALL BE READY FOR FUNCTIONAL PERFORMANCE TESTING PRIOR TO STARTING TESTING. THIS INCLUDES REHEARSING ALL FUNCTIONAL PERFORMANCE TESTS BEFORE DEMONSTRATING TO THE CXA. CONTRACTOR SHALL OPERATE EQUIPMENT FOR STARBUCKS CXA AND VERIFY BY DEMONSTRATING THE CORRECT OPERATION OF EQUIPMENT, SENSOR CALIBRATION, RESPONSE OF ACTUATORS AND PROPER EXECUTION OF HVAC CONTROL AND LIGHTING SEQUENCES, INCLUDING BUT NOT LIMITED TO AIR MOVEMENT, TEMPERATURE, SOUND AND CONTROL RESPONSE. PROVIDE ANY SECURITY ACCESS, HARDWARE, SOFTWARE OR OTHER SUPPORT AS NEEDED FOR THE STARBUCKS CXA TO EFFICIENTLY WITNESS AND DOCUMENT ALL EQUIPMENT TESTING. STARBUCKS CXA WILL RECORD THE EQUIPMENT OPERATION AND RESPONSE TO TESTING SEQUENCES AND PREPARE A LIST OF ANY DEFICIENCIES DISCLOSED BY THE FUNCTIONAL PERFORMANCE TESTS FOR CORRECTION BY THE CONTRACTOR. EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, AIR HANDLING UNITS, ROOFTOP AND SPLIT TYPE, CONDENSING UNITS, EXHAUST FANS, LIGHTING CONTROLS, ETC... DELIVERABLES: PROVIDE COMPLETED COPIES OF ALL START UP REPORTS, FILLED OUT ON THE MANUFACTURER'S FORMS, TO THE STARBUCKS CXA.
- J. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES DISCLOSED DURING THE FUNCTIONAL PERFORMANCE TESTING PROCESS. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE.
- K. CONTRACTOR SHALL BE READILY AVAILABLE FOR ANY RE-TESTING OF EQUIPMENT DEEMED NECESSARY BY STARBUCKS CXA DURING INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES FOUND IN THE SYSTEM DURING ANY AND ALL RE-TESTING. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE. DELIVERABLES: FINAL BALANCE REPORT, DEFICIENCIES LIST NOTING CORRECTIVE ACTIONS PERFORMED BY CONTRACTOR IN RESPONSE TO INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TEST RESULTS.
- L. CONSTRUCTION AND POST CONSTRUCTION TESTING: ADDITIONAL TESTING MAY BE REQUIRED BY LEED AND OTHER PROCESSES THAT MAY OCCUR OUT OF SEQUENCE WITH COMMISSIONING SERVICE. CONTRACTOR SHALL CONDUCT, DOCUMENT, SUPPORT AND SCHEDULE THIS TESTING AS DIRECTED BY STARBUCKS CXA.

**SYSTEM COMMISSIONING (continued)**

- M. CONTRACTOR SHALL PROVIDE A TRAINING PLAN FOR EACH TRADE (MECHANICAL, ELECTRICAL, PLUMBING) FOR THE CXA'S APPROVAL. THE TRAINING PLAN SHALL OUTLINE ALL THE TOPICS THAT ARE TO BE COVERED ALONG WITH THE TIME DURATION FOR EACH TOPIC. IT SHALL ALSO INCLUDE THE INSTRUCTOR'S NAME, QUALIFICATIONS AND COMPANY LOGO.
- N. THE CONTRACTOR IS RESPONSIBLE FOR RECORDING ATTENDANCE FOR EACH TRAINING SESSION. COPIES OF THESE SHALL BE SUBMITTED TO THE CXA.
- O. CONTRACTOR SHALL SUBMIT O&M MANUALS FOR ALL PIECES OF EQUIPMENT AT LEAST 6 WEEKS IN ADVANCE OF THE TRAINING SESSIONS.

**HVAC EQUIPMENT AND MATERIALS****FILTERS**

IF OPERATING HVAC DURING CONSTRUCTION, PROVIDE THREE (3) SETS OF 2" (51MM) MERV6 PLEATED DISPOSABLE FILTERS (OR HIGHER RATING IF REQUIRED BY LEED). USE ONE SET UNTIL COMPLETION OF CONSTRUCTION. INSTALL ONE SET AT COMPLETION OF CONSTRUCTION (PRIOR TO TAB) AND DELIVER ONE SET OF MERV13 FILTERS TO STARBUCKS LABELED TO DENOTE THEIR RESPECTIVE AIR HANDLING UNIT.

**BRACING AND ANCHORING**

ALL MECHANICAL EQUIPMENT, FIXED OR FLEXIBLY MOUNTED, SHALL BE BRACED OR ANCHORED TO COMPLY WITH LOCAL CODES.

**DUCTWORK AND ACCESSORIES****Sheet Metal Ductwork**

ASSEMBLE AND INSTALL DUCTWORK IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICE FOR ACHIEVING AIR TIGHT (5% LEAKAGE) AND NOISELESS (NO OBJECTIONABLE NOISE) SYSTEMS. NO VARIATION OF DUCT CONFIGURATION OR SIZES WILL BE PERMITTED EXCEPT BY PERMISSION FROM THE ENGINEER.

**DAMPERS**

PROVIDE CONVENIENTLY LOCATED ACCESS DOORS OF AMPLE SIZE AND QUANTITY FOR SERVICING THE DAMPERS. PROVIDE MOTORIZED DAMPERS AT ALL INTAKE & EXHAUST BUILDING OPENINGS. COORDINATE WITH OTHER TRADES FOR ACCESS PANELS, POWER AND FIRE ALARM INTERFACES. SEE PROJECT MANUAL.

**ACOUSTICAL DUCT LINER**

UNLESS OTHERWISE INDICATED ON THE PLANS, PROVIDE 1" (25MM) ACOUSTICAL DUCT LINER IN SUPPLY AND RETURN DUCTWORK WITHIN 10'-0" (305CM) OF THE DISCHARGE AND INTAKE OF AIR HANDLING UNITS. INCREASE DUCT SIZE INDICATED ON PLANS AS NEEDED TO ACCOMMODATE LINER. LINER TO BE PROVIDED AND FASTENED TO DUCT WITH MECHANICAL LINER FASTENERS IN ACCORDANCE WITH SMACNA AND PROJECT MANUAL.

**Flexible Ductwork**

FLEXIBLE DUCT WORK SHALL ONLY BE INSTALLED AS SHOWN IN PLAN AND NOT ABOVE HARD LID CEILINGS. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" (152CM) IN LENGTH AND TWO 45° ELBOWS. IT SHALL BE PULLED TAUT AND APPROPRIATELY FASTENED TO RIGID BRANCH DUCT & DIFFUSER. BENDS SHALL BE MINIMIZED AND WHERE NEEDED BE A FULL RADIUS BEND. SUPPORT BANDS SHALL BE INSTALLED SO AS TO NOT CRIMP FLEX DUCT. FLEXIBLE DUCTWORK SHALL MEET REQUIREMENTS.

**TESTING, ADJUSTING, BALANCING**

INDEPENDENT AIR BALANCE CONTRACTOR OR QUALIFIED MECHANICAL CONTRACTOR SHALL BE QUALIFIED BY NEBB OR AABC STANDARDS. BALANCER SHALL ACCURATELY BALANCE THE SUPPLY, RETURN AND OUTSIDE AIR, EXHAUST FAN(S), HYDRONIC (WHERE APPLICABLE) AND EXHAUST FAN(S) SYSTEMS TO PROVIDE AIR AND WATER QUANTITIES WITHIN 10% PLUS MINUS OF THE VALUES INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS UNLESS MANUFACTURER REQUIRES TIGHTER TOLERANCES. OPERATE AUTOMATIC CONTROLS SYSTEMS AND VERIFY SETPOINTS FOR THERMOSTATS, C02 SENSORS, DCV, EMS AND ECONOMIZER/OUTSIDE AIR DAMPER. SEE CONTROLS AND OPERATION NOTES AND HVAC SCHEDULES AND NOTES FOR DETAILS. IF DEFICIENCIES OR SITE CONDITIONS PREVENT COMPLETE AND PROPER BALANCING, DO NOT COMPLETE WORK AND SUBMIT A REQUEST FOR INFORMATION TO GET COMPLETE INFORMATION PRIOR TO COMPLETING WORK. SUBMIT THREE (3) COPIES OF THE BALANCE REPORT TO THE ENGINEER, CONSTRUCTION MANAGER AND COMMISSIONING AGENT FOR APPROVAL. THE BALANCE REPORT SHALL INCLUDE NEBB OR AABC CREDENTIALS, EQUIPMENT/INSTRUMENT LIST WITH THE MOST RECENT CALIBRATION DATE AND BALANCE REPORTS FOR ALL HVAC AND EXHAUST SYSTEMS. T&B REPORT SHOULD MATCH NEBB OR AABC STANDARD REPORTS INCLUDING UNIT TEST DATA WITH TEMPERATURES, PRESSURES AND STATIC PRESSURE PROFILES. INCLUDE A COPY OF THE BALANCE REPORT AS APPROVED BY THE ENGINEER WITH APPLICATION FOR FINAL CONTRACT PAYMENT.

**IAQ MANAGEMENT PLAN**

DURING CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH CHAPTER 3 OF SMACNA'S IAQ GUIDELINES FOR OCCUPIED BUILDINGS UNDER CONSTRUCTION. CONTRACTOR SHALL PERFORM AND SUBMIT ALL INFORMATION AS REQUIRED. IF HVAC SYSTEM IS TO BE USED DURING CONSTRUCTION, INSTALL MERV 8 FILTERS AT EACH RETURN AIR GRILL AND COMPLY WITH SMACNA'S GUIDELINES.

**ENERGY MANAGEMENT SYSTEM (EMS)**

THE GENERAL CONTRACTOR SHALL INSTALL (OR DEMO AND REINSTALL FOR RENOVATIONS) THE VENSTAR SURVEYOR EMS SYSTEMS PRIOR TO THE LAST WEEK OF CONSTRUCTION. MECHANICAL CONTRACTOR TO INSTALL ONE PERMANENT THERMOSTAT AND REMOTE SENSOR PER HVAC UNIT, AS PROVIDED BY VENSTAR. LOCATE AND MOUNT THERMOSTAT(S) AND SENSOR(S) PER THE DRAWINGS. INSTALL THERMOSTAT IDENTIFICATION LABELS PER VENSTAR SPECIFICATIONS.

MECHANICAL CONTRACTOR TO COMPLETE FINAL CONNECTIONS FROM SURVEYOR DATA CONCENTRATOR TO STORE ROUTER PRIOR TO CONTACTING VENSTAR (818-812-9812). VENSTAR TO PROGRAM THE HVAC AND/OR LIGHTING CONTROLS WITH STANDARD STARBUCKS SETTINGS. FOR ASSISTANCE WITH OR TROUBLESHOOTING OF THE SURVEYOR CONTROLS, CONTACT VENSTAR.

**GENERAL MECHANICAL NOTES**

1. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF WORK.
2. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL INTENT OR ARRANGEMENT OF SYSTEM(S). FURNISH & INSTALL ALL COMPONENTS NEEDED WHETHER INDICATED OR NOT TO PROVIDE A COMPLETE AND OPERATING SYSTEM.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS, INCLUDING CLEARANCES REQUIRED BY OTHER TRADES, AND NOTIFY STARBUCKS CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. ALL DIMENSIONS ARE TO THE FACE OF THE FINISHED SURFACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE TAKEN FROM ACTUAL BUILDING DIMENSIONS.
4. THE MECHANICAL CONTRACTOR SHALL COORDINATE HVAC WORK WITH OTHER TRADES. THE ARCHITECTURAL DRAWINGS AND PROJECT MANUAL SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND PROJECT MANUAL FOR DIMENSIONED DIFFUSER LOCATIONS AND MOUNTING HEIGHTS WHERE EXPOSED.
5. NEW DUCTWORK AND EQUIPMENT SHALL NOT BE INSTALLED WHERE IT OBSTRUCTS ANY EXISTING OR NEW AREAS THAT REQUIRE ACCESS.
6. INSULATE DUCTWORK PER CODE AND SPEC. REQUIREMENTS. COORDINATE CLEARANCE REQUIREMENTS FOR ADDED INSULATION.
7. ALL IS NEW UNLESS NOTED OTHERWISE.

**GENERAL NOTES****SCOPE**

THE INTENT OF THE PROJECT MANUAL AND THE DRAWINGS IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL MECHANICAL SYSTEM. THE MECHANICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE MECHANICAL WORK.

**SITE EXAMINATION**

THE MECHANICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, DUCTWORK, AND PIPING WILL BE INSTALLED AND WILL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE MECHANICAL WORK.

**PENETRATIONS**

WHERE PIPES AND DUCTS PENETRATE WALL, SEAL OPENINGS TO PREVENT AIR TRANSFER BETWEEN SPACES. USE FIRE RATED SEALANTS ON ALL FIRE SEPARATION PENETRATIONS, INCLUDING FLOORS. SEAL AROUND ALL PIPES AND DUCTS PENETRATING FIRE SEPARATIONS WITH NON-COMBUSTIBLE PACKING RETAINED BY METAL COLLARS. THE ASSEMBLY SHALL BE APPROVED BY STATE FIRE MARSHALL.

**STANDARDS**

EQUIPMENT AND MATERIALS SHALL CONFORM WITH THE APPROPRIATE PROVISIONS OF CSA, ULC, ARL, ASME, ASTM, UL, NEMA, ANSI, SMACNA, ASHRAE, NFPA, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

**CODES**

ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE

**MECHANICAL DESIGN PLAN**

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

**KEYED NOTES**

- ROUTE 30"x16" SUPPLY AND 36"x12" RETURN DUCT UP THROUGH ROOF AND CONNECT TO RTU-4. TRANSITION TO FULL SIZE CONNECTIONS AT UNIT. PROVIDE WITH FLEXIBLE DUCT CONNECTION TO UNIT. REFER TO SHEET M102 FOR FURTHER INFORMATION. COORDINATE EXACT LOCATION PRIOR TO START OF ANY WORK. ENSURE SUPPLY AND RETURN DUCTS PENETRATE ROOF BETWEEN TRUSSES AND THE OUTSIDE AIR INTAKE IS LOCATED 10FT FROM ANY VENT.
- ROUTE 30"x16" SUPPLY AND 36"x12" RETURN DUCT UP THROUGH ROOF AND CONNECT TO RTU-5. TRANSITION TO FULL SIZE CONNECTIONS AT UNIT. PROVIDE WITH FLEXIBLE DUCT CONNECTION TO UNIT. REFER TO SHEET M102 FOR FURTHER INFORMATION. COORDINATE EXACT LOCATION PRIOR TO START OF ANY WORK. ENSURE SUPPLY AND RETURN DUCTS PENETRATE ROOF BETWEEN TRUSSES AND THE OUTSIDE AIR INTAKE IS LOCATED 10FT FROM ANY VENT.
- ROUTE 10"x10" EXHAUST DUCT UP THROUGH ROOF AND CONNECT TO EF-1. TRANSITION TO FULL SIZE CONNECTIONS AT UNIT. REFER TO SHEET M102 FOR FURTHER INFORMATION. EXHAUST FAN SHALL RUN CONTINUOUSLY WHEN STORE IS OCCUPIED AND SHALL TURN OFF WHEN STORE IS NOT OCCUPIED. EXHAUST FAN CONTROL SHALL BE ACCOMPLISHED WITH LCP. COORDINATE WITH ELECTRICAL, SEE SCHEDULE FOR SIZE.
- WALL MOUNTED THERMOSTAT FOR RTU-4 AND RTU-5 AT 48" A.F.F. THERMOSTAT SHALL BE 7-DAY PROGRAMMABLE WITH NIGHT SETBACK AND A MINIMUM 5 DEGREE DEADBAND. CONFIRM HEIGHT COMPLIES WITH BARRIER FREE, AND ALL OTHER LOCAL REQUIREMENTS. MULTIPLE THERMOSTATS SHALL BE STACKED IN A VERTICAL CONFIGURATION WITH A MINIMUM OF 8" CLEARANCE BELOW EACH THERMOSTAT. LABEL EACH THERMOSTAT TO THEIR RESPECTIVE UNIT. THERMOSTATS AND ALL ASSOCIATED EQUIPMENT SHALL BE INSTALLED BY VENSTAR VENDOR
- REMOTE TEMPERATURE / CO2 SENSOR AT 60" A.F.F. ON WALL. INTERLOCK WITH RESPECTIVE HVAC UNIT AND SEE M001 FOR FURTHER INFORMATION. COORDINATE CONTROLS WITH HVAC UNIT AND PROVIDE ADDITIONAL CONTROL COMPONENTS AS MAY BE NEEDED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- MANUAL BALANCING DAMPER (TYPICAL). DAMPERS SHALL NOT BE INSTALLED AT THE GRILLE/NECK UNLESS SHOWN.
- HUMIDITY SENSOR LOCATED AT 60" A.F.F. ON WALL.
- TOP OF DUCT SHALL BE TIGHT TO BOTTOM OF CEILING JOIST.
- ROUTE 1-1/2" GAS PIPING DOWN FROM CEILING SPACE AND CONNECT TO WATER HEATER. PROVIDE AND INSTALL GAS SHUT-OFF VALVE, 6" DIRT LEG, AND UNION PRIOR TO FINAL CONNECTION. SEE SHEET M102 FOR MORE INFORMATION.
- CARBON MONOXIDE SENSOR / ALARM AT 60" A.F.F. ON WALL.
- PROVIDE YOUNG REGULATOR 5020CC MANUAL BALANCING DAMPER AND ASSOCIATED 270-275 BOWDEN REMOTE CABLE CONTROL. ROUTE CABLE FROM DAMPER TO REMOTE CABLE CONTROL. FASTEN REMOTE CABLE CONTROL TO INSIDE OF DIFFUSER SO THE REMOTE CABLE IS ACCESSIBLE THROUGH DIFFUSER SLOT. PROVIDE YOUNG REGULATOR MODEL 030 WRENCH TO OPERATE ASSOCIATED DAMPER
- PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR PLenum. INTERLOCK SMOKE DETECTOR WITH RESPECTIVE RTU TO SHUT DOWN UNIT UPON DETECTION OF SMOKE. COORDINATE WITH ELECTRICAL AND SEE POWER SHEETS FOR FURTHER REQUIREMENTS AND REMOTE ANNUNCIATOR. INTERCONNECT WITH CENTRAL SYSTEM IF APPLICABLE. (SEE DETAIL).
- EXTEND COMBINATION AIR / VENT TO WATER HEATER. LOCATE A CODE MINIMUM DISTANCE AWAY FROM OUTSIDE AIR INTAKES AND PARAPET ON ROOF. OFFSET AS NEEDED. IF ADDITIONAL SEPARATION IS NEEDED, EXTEND COMBINATION AIR / VENT TO 3 FT ABOVE INTAKE OR PER AHJ.
- ROUTE 1-1/2" GAS PIPING DOWN FROM CEILING SPACE AND CONNECT TO WATER HEATER. PROVIDE AND INSTALL GAS SHUT-OFF VALVE, 6" DIRT LEG, AND UNION PRIOR TO FINAL CONNECTION. SEE SHEET M102 FOR MORE INFORMATION.
- ALL ROOF PENETRATIONS SHALL BE PERFORMED BY THE GENERAL CONTRACTOR.
- ALL RIGID DUCTWORK IS PER TENANT DRAWINGS TO INCLUDE DAMPERS AND ACCESSORIES.

**GENERAL PLAN NOTES**

- SEE MECHANICAL SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- SEE ARCHITECTURAL SHEETS FOR PAINTING AND COLORS OF ALL EXPOSED DUCTWORK, DIFFUSERS AND GRILLES.
- SEE ARCHITECTURAL SHEETS FOR DIMENSIONED DIFFUSER & EXPOSED DUCT LOCATIONS.
- DIFFUSERS AND RETURN GRILLES SHALL BE CENTERED IN CEILING TILE, UNLESS OTHERWISE NOTED.
- INSULATE DUCTWORK PER CODE AND SPEC REQUIREMENTS ON M001 (ALL NOT SHOWN). COORDINATE CLEARANCE REQUIREMENTS FOR ADDED INSULATION.
- ALL ROOF PENETRATIONS SHALL BE PERFORMED BY THE GENERAL CONTRACTOR.
- ALL RIGID DUCTWORK IS PER TENANT DRAWINGS TO INCLUDE DAMPERS AND ACCESSORIES.

**HVAC CONTROL NOTES**

NOTE: SEE OTHER GENERAL NOTES FOR ADDITIONAL REQUIREMENTS. THE BELOW NOTES ARE NOT A COMPLETE SEQUENCE OF OPERATIONS.

RTU-4 & RTU-5 OCCUPIED MODE:

- FAN SHALL RUN CONTINUOUSLY WHILE BRINGING IN EITHER THE MINIMUM DCV (RTU-5) OR THE FIXED OUTSIDE AIR AS INDICATED.
- (RTU-5) IF CO2 SENSOR SETPOINT IS EXCEEDS 1000 PPM, OUTSIDE AIR DAMPERS AND RELIEF AIR DAMPERS SHALL MODULATE BETWEEN MAXIMUM AND MINIMUM DCV OUTSIDE AIR VALUES AS REQUIRED TO MAINTAIN A CO2 LEVEL OF 1000 PPM. RTU-4 OUTSIDE AIR DAMPER SHALL MODULATE TO THE FIXED OUTSIDE AIR INDICATED.
- 1ST STAGE SWITCHES BETWEEN HEATING AND COOLING AS REQUIRED.
- 2ST STAGE HEATING SHALL BE FIRED.
- 1ST STAGE COOLING SHALL BE ECONOMIZER AIR IF AIR CONDITIONS ARE GOOD (OPERATION PER CODE).
- 2ND STAGE COOLING SHALL BE MECHANICAL.

UNOCCUPIED MODE:

- FAN SHALL CYCLE WITH HEATING/COOLING SECTION AND OUTSIDE AIR DAMPERS AND RELIEF AIR DAMPERS SHALL BE CLOSED.
- HEATING AND COOLING SECTIONS SHALL CYCLE AS CALLED FOR BY THE THERMOSTAT.

EF-1

- FAN SHALL BE CONNECTED TO EMS AND SHALL COME ON DURING OCCUPIED TIME AND RUN CONTINUOUSLY.
- DURING UNOCCUPIED TIME, FAN SHALL BE OFF.

**DUCT REQUIREMENTS**

- DUCT FRICTION LOSS SIZED AND SHALL BE INSTALLED TO 0.08 IN. W.C./100 FT. MAXIMUM.
- UNIT ECONOMIZER SHALL INCLUDE MOTORIZED DAMPER AS PART OF FACTORY INSTALLATION.
- DUCT JOINTS SHALL BE SEALED IN ACCORDANCE WITH ASHRAE 90.1 CLASS B AND THE STATE ENERGY CODE.
- ALL SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO MINIMUM R-6.

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**RANDALL AND ACKMAN**

**PROJECT ADDRESS:**  
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**STORE #:** 70143  
**PROJECT #:** 95175-002  
**ISSUE DATE:** 1/19/24 PERMIT SET  
**DESIGN MANAGER:** CAMILLA WATSON  
**PRODUCTION DESIGNER:** JO  
**CHECKED BY:** GPD GROUP

**Revision Schedule**

| Rev | Date | By | Description |
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|     |      |    |             |
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**SHEET TITLE:**  
**MECHANICAL DESIGN PLAN**  
SCALE: AS SHOWN

**SHEET NUMBER:** M101

**GENERAL NOTES**

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STARBUCKS TEMPLATE VERSION i2023.04.24

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## KEYED NOTES

1. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTION TO ALL MECHANICAL EQUIPMENT.
2. ROOFTOP AC UNIT PROVIDED AND INSTALLED BY GC, VERIFY EXACT LOCATION PRIOR TO START OF ANY WORK. VERIFY THAT OUTSIDE AIR INTAKE IS LOCATED A MINIMUM OF 10'-0" FROM ANY VENT OR EXHAUST OPENINGS.
3. REFER TO DETAILS ON SHEET M501 FOR FURTHER INFORMATION.
4. ICE MACHINE: GC SHALL PROVIDE AND INSTALL PRECHARGED REFRIGERANT LINES FROM ICE MACHINE TO REMOTE CONDENSER, SIZED PER MANUFACTURER'S REQUIREMENTS. COORDINATE WITH G.C. FOR EXACT LOCATION AND SUPPORT OF CONDENSER. REFER TO DETAILS ON SHEET M501 FURTHER INFORMATION. ROOF PENETRATIONS SHALL BE PROVIDED BY ROOFING CONTRACTOR. ALL ROOF PENETRATIONS SHALL BE MADE WEATHER TIGHT BY ROOFING CONTRACTOR. COORDINATE WITH ROOFING CONTRACTOR.
5. 10'-0" CLEARANCE FOR OUTSIDE AIR INTAKE.
6. 3" VENT THROUGH ROOF. REFER TO PLUMBING PLANS FOR CONTINUATION. ROOF PENETRATIONS SHALL BE PROVIDED BY ROOFING CONTRACTOR. ROOFING CONTRACTOR SHALL MAKE ALL PENETRATIONS WEATHER TIGHT.
7. ROOFTOP EXHAUST FAN PROVIDED AND INSTALLED BY GC. ROOF CURB SHALL BE INSTALLED AND MADE WEATHER TIGHT BY ROOFING CONTRACTOR. VERIFY THAT DISCHARGE IS LOCATED A MINIMUM OF 10'-0" FROM ANY OUTDOOR INTAKES.
8. 2" COMBINATION AIR / VENT FOR WATER HEATER. ROOF PENETRATIONS SHALL BE BY ROOFING CONTRACTOR. ALL ROOF PENETRATIONS SHALL BE MADE WEATHER TIGHT BY ROOFING CONTRACTOR. COORDINATE WITH ROOFING CONTRACTOR.
9. 1-1/2" GAS PIPING DOWN THRU ROOF FOR WATER HEATER UNIT. SEE SHEET M101 FOR MORE INFORMATION. ROOF PENETRATIONS SHALL BE BY ROOFING CONTRACTOR. ALL ROOF PENETRATIONS SHALL BE MADE WEATHER TIGHT BY ROOFING CONTRACTOR. COORDINATE WITH ROOFING CONTRACTOR.
10. GC SHALL PROVIDE AND CONNECT 1-1/4" GAS PIPING TO ROOFTOP UNIT. CONTRACTOR SHALL PROVIDE GAS SHUT-OFF VALVE, 6" DIRT LEG, AND UNION PRIOR TO FINAL CONNECTION.
11. REFER TO CIVIL DRAWINGS FOR GAS METER LOCATION.
12. ROUTE GAS PIPING ON ROOF. SEE DETAIL 4 ON M501 FOR PIPING SUPPORT AND SPACING.

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STARBUCKS TEMPLATE VERSION i2023.04.24

**GPD GROUP, INC.\***  
LIC. # - 184-007100

520 South Main Street, Suite 2331  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NO. 95175-002-2022-13

BRANDON M. MARZLEY  
062.066218  
Signature  
01/19/2024

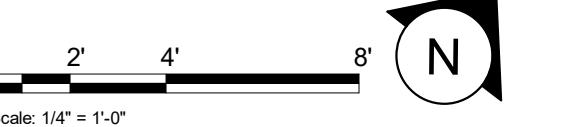
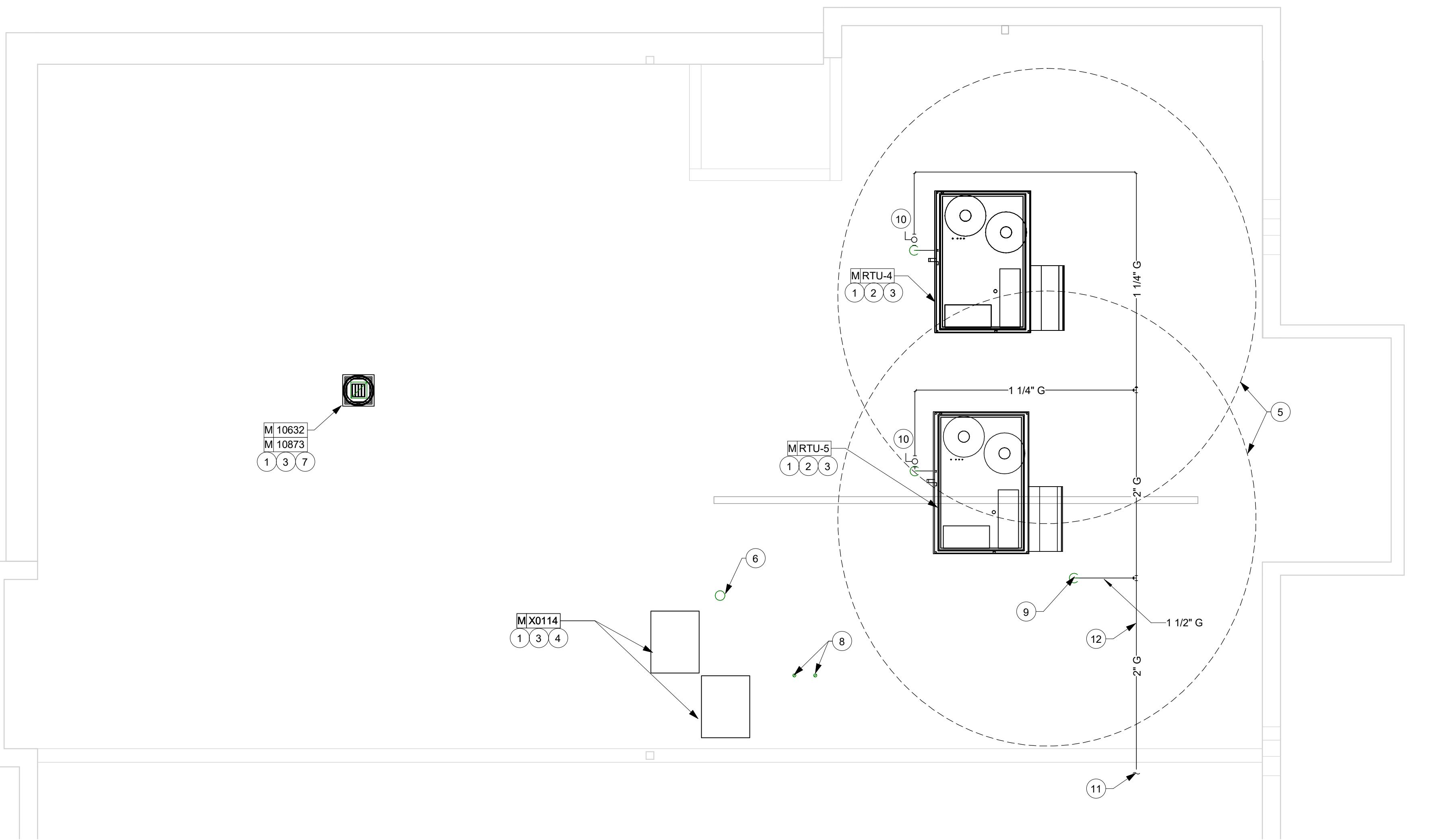
Date  
11/30/2025  
Exp. date

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |
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SHEET TITLE:  
**MECHANICAL ROOF  
PLAN**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**M102**



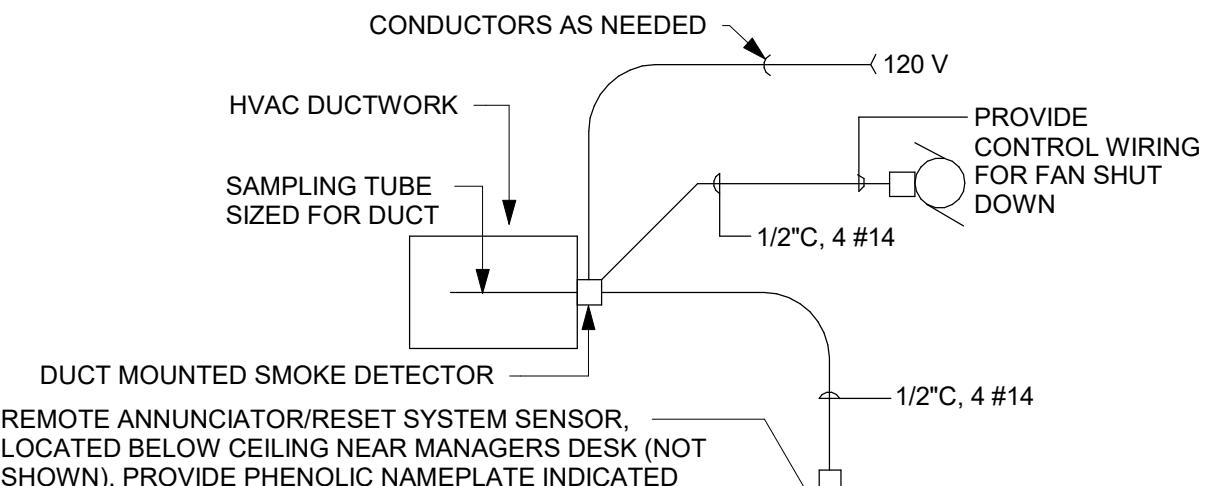


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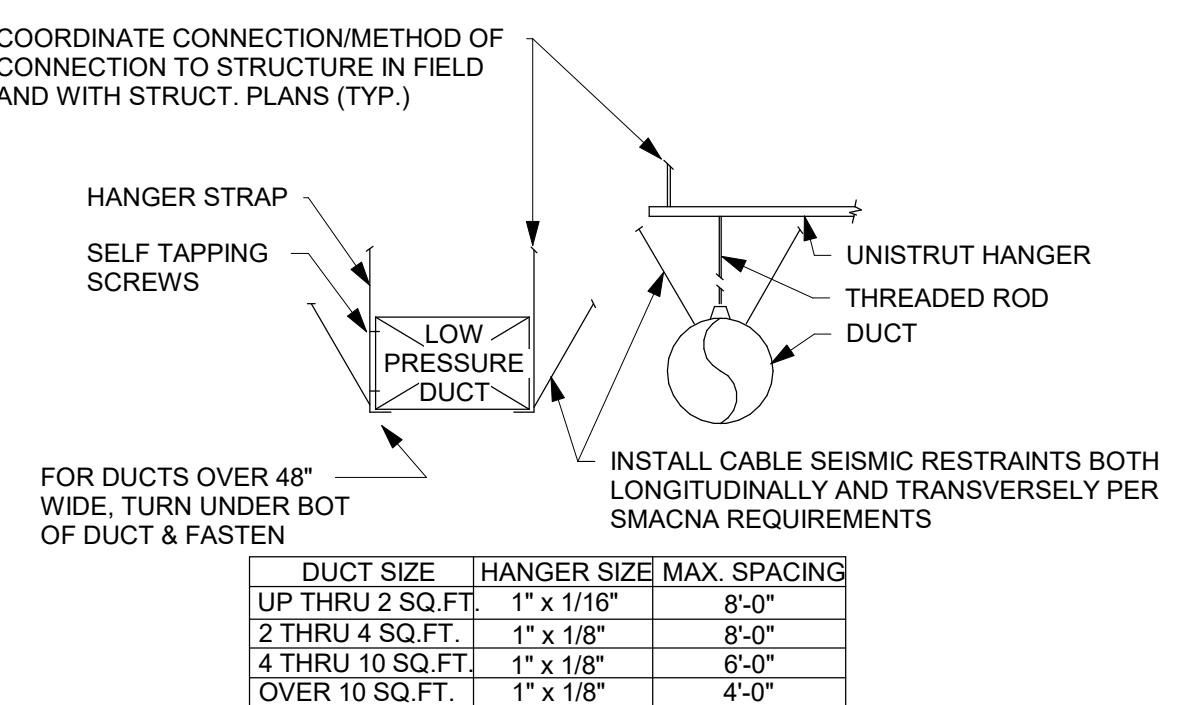
STARBUCKS TEMPLATE VERSION I2023.04.24



**NOTES:**  
1) MECHANICAL TO PROVIDE THE COMPLETE DUCT DETECTOR, REMOTE STATION AND ALL ACCESSORIES AS NEEDED FOR A COMPLETE & OPERATIONAL SYSTEM.  
2) WHEN STARBUCKS SPACE IS MONITORED BY CENTRAL BUILDING FIRE ALARM SYSTEM, GC TO COORDINATE WITH SHELL GCS ALARM CONTRACTOR TO CONNECT BUILDING ALARM SYSTEM TO DUCT DETECTOR AUXILIARY CONTACTS.  
3) MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL DUCT DETECTOR WITH MINIMUM OF TWO SETS OF AUXILIARY CONTACTS.  
4) ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL CONTROL WIRING FROM DUCT DETECTOR TO AC UNIT.

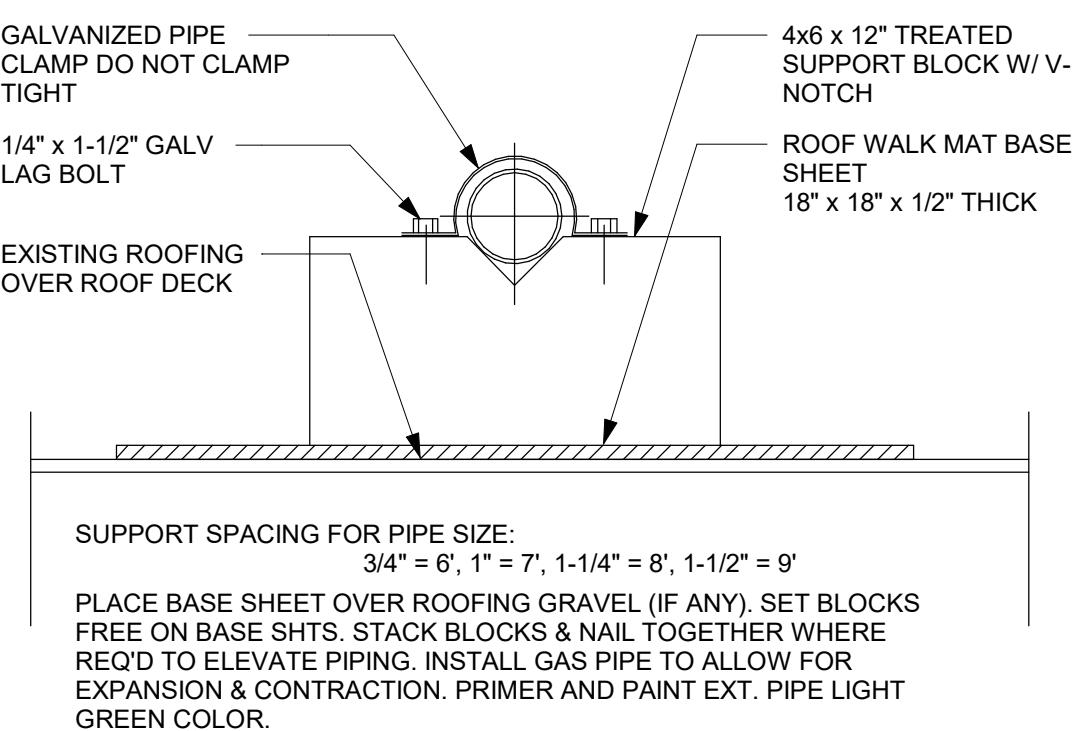
#### 7 DUCT DETECTOR DETAIL

Scale: NTS



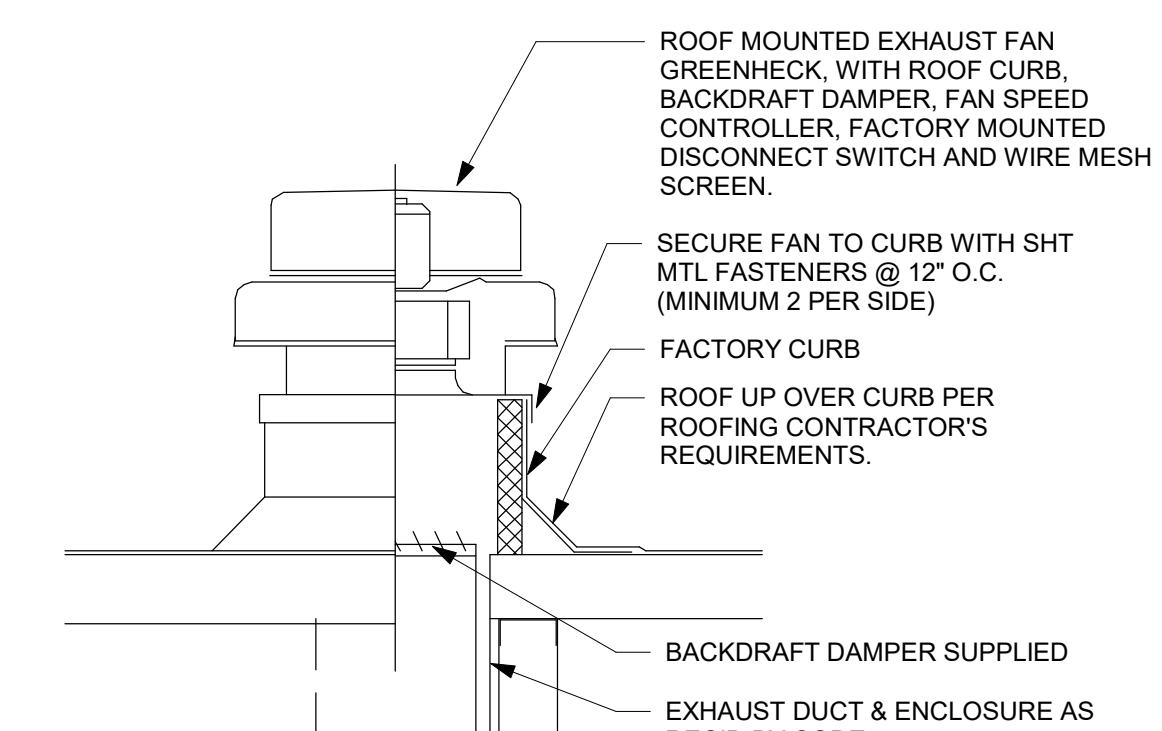
#### 8 DUCT HANGING DETAIL

Scale: NTS



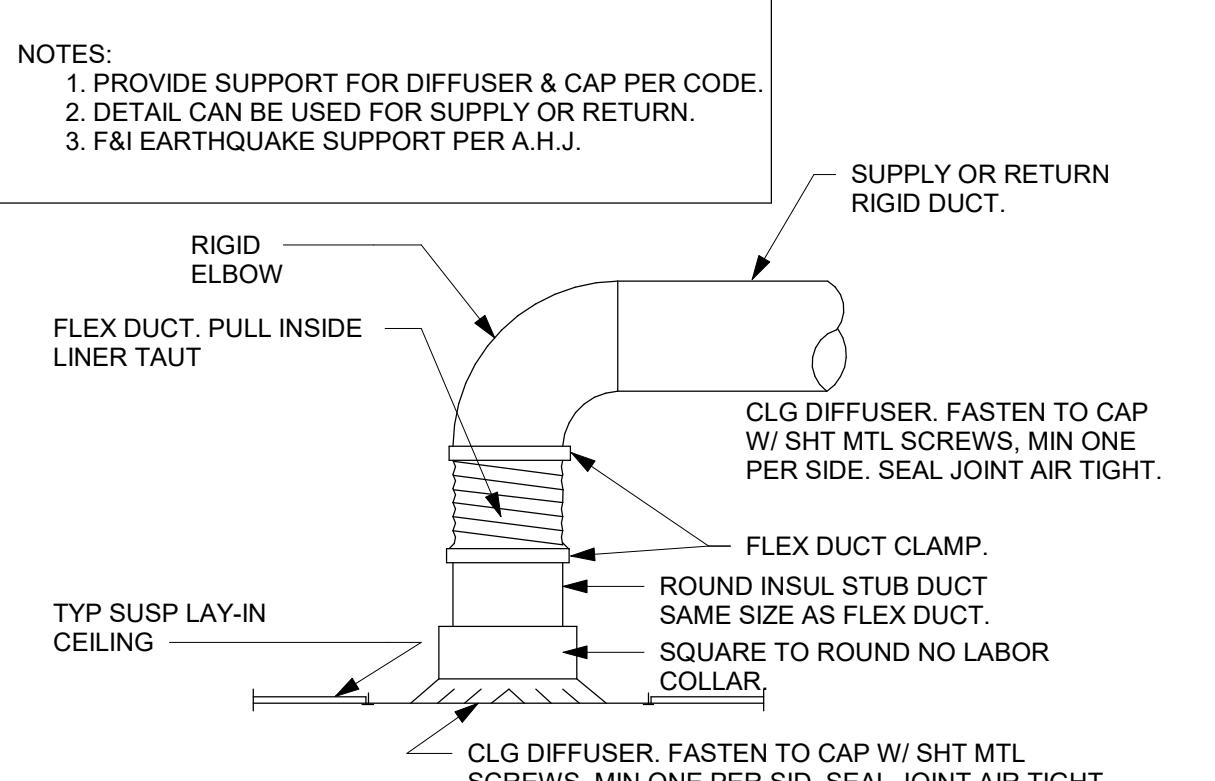
#### 4 PIPE SUPPORT DETAIL

Scale: NTS



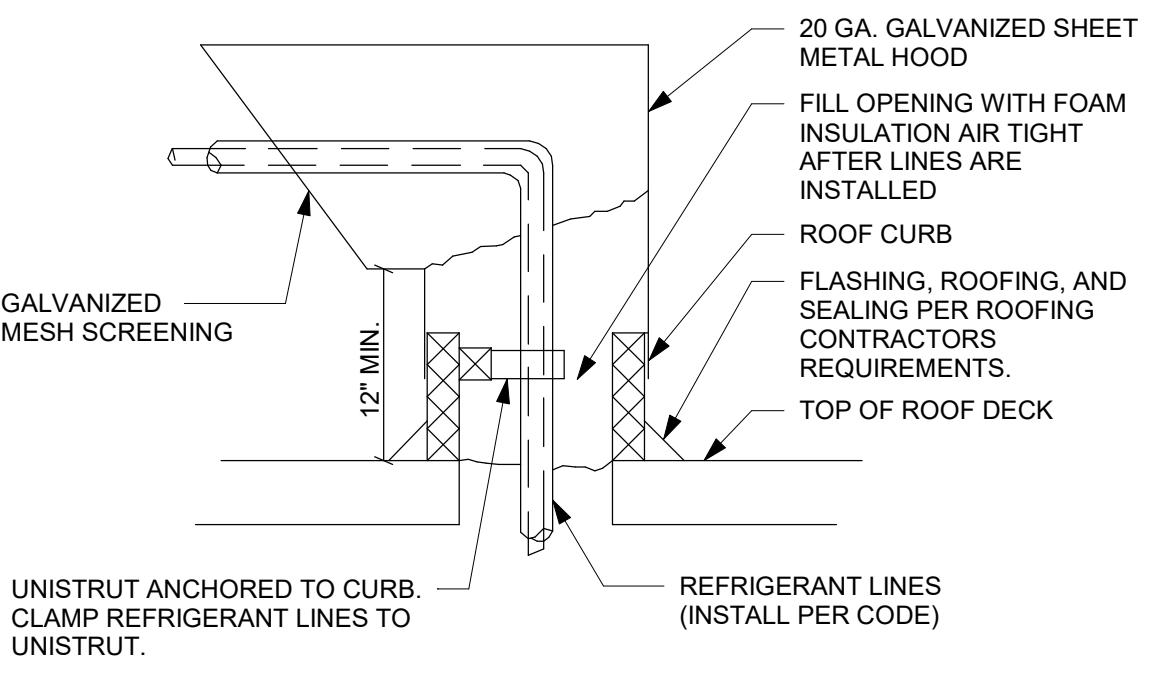
#### 5 ROOF EXHAUST FAN

Scale: NTS



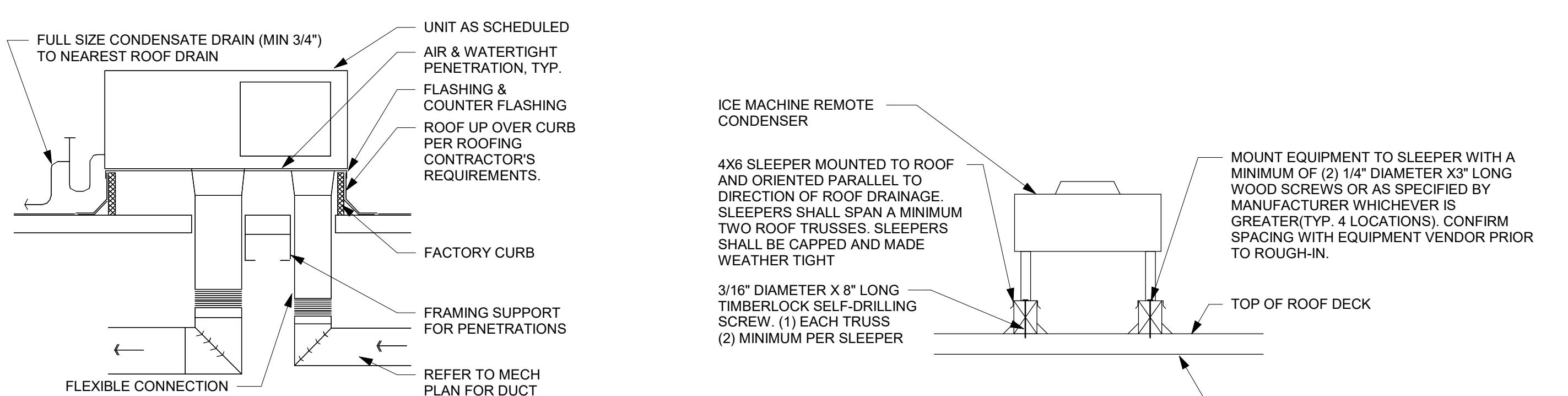
#### 6 LAY-IN CLG DIFFUSER DETAIL

Scale: NTS



#### 1 ROOF PENETRATION DETAIL

Scale: NTS



#### 2 ROOFTOP AIR HANDLING UNIT DETAIL

Scale: NTS

#### 3 EQUIPMENT SUPPORT DETAIL

Scale: NTS

PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
|                   |      |    |             |
|                   |      |    |             |
|                   |      |    |             |

SCALE: AS SHOWN  
SHEET NUMBER: M501

| HVAC UNIT SCHEDULE |                    |              |                    |          |          |   |        |          |      |         |              |                  |        |                      |     |            |              |                        |                   |           |            |                 |               |                   |       |
|--------------------|--------------------|--------------|--------------------|----------|----------|---|--------|----------|------|---------|--------------|------------------|--------|----------------------|-----|------------|--------------|------------------------|-------------------|-----------|------------|-----------------|---------------|-------------------|-------|
| TAG                | AREA SERVED        | MANUFACTURER | MODEL              | FURN. BY | INST. BY | COOLING(MBH)91°F OA, 77°F DB, AND 66°F WB |        |          |      |         | HEATING(MBH) |                  |        |                      |     | ECONOMIZER | DCV          | VOLTAGE/PHASE/MCA/MOPC | INDOOR FAN SPEEDS | BLOWER HP | BLOWER CFM | OUTDOOR AIR CFM | BLOWER ESP'WG | UNIT WEIGHT(LBS.) | NOTES |
|                    |                    |              |                    |          |          | Cooling Stages                            | Total  | Sensible | Ieer | Eer/Ser | Heating Type | Heating Capacity | Stages | Heating Efficiency % |     |            |              |                        |                   |           |            |                 |               |                   |       |
| RTU-4              | BAR                | CARRIER      | 48FCEM12B3M5-6W1F0 | LL       | LL       | 2   | 129.40 | 93.9     | 15   | 11.2    | GAS          | 224              | 2      | 80                   | Yes | No         | 208/PH/55/60 | VARIABLE               | 3                 | 4000      | 149        | 0.5             | 1200          | 1-12              |       |
| RTU-5              | CAFE SEATING / BOH | CARRIER      | 48FCEM12B3M5-6W1F0 | LL       | LL       | 2   | 129.40 | 93.9     | 15   | 11.2    | GAS          | 224              | 2      | 80                   | Yes | YES        | 208/PH/55/60 | VARIABLE               | 3                 | 4000      | 616        | 0.5             | 1200          | 1-12              |       |

NOTES:

1. 14" HEIGHT MINIMUM INSULATED ROOF CURB.
2. 7-DAY PROGRAMMABLE THERMOSTAT
3. DUAL-STAGE COMPRESSOR
4. LOW LEAKAGE MOTORIZED OUTDOOR AIR DAMPER
5. UNPOWERED GFCI CONVENIENCE OUTLET
6. DISCONNECT SWITCH
7. ECONOMIZER WITH ENTHALPY CONTROL
8. LOW AMBIENT COOLING KIT TO 0 DEG F
9. BAROMETRIC RELIEF
10. MULTI-SPEED EVAPORATOR FAN
11. HUMID-MIZER ADAPTIVE DEHUMIDIFICATION SYSTEM.
12. SMOKE DETECTOR IN RETURN DUCTWORK

| FAN SCHEDULE |       |  |  |  |             |              |            |              |              |                         |           |         |               |                   |  |  |  |
|--------------|-------|--|--|--|-------------|--------------|------------|--------------|--------------|-------------------------|-----------|---------|---------------|-------------------|--|--|--|
| DESIGN ID    | Count | DESCRIPTION                                    |  |  | AREA SERVED | MANUFACTURER | MODEL      | FURNISHED BY | INSTALLED BY | VOLTAGE/PHASE/FLA(AMPS) | BLOWER HP | BLOWER  | BLOWER ESP'WG | UNIT WEIGHT(LBS.) | NOTES  |  |  |
| 10632        | 1     | FAN - RESTROOM EXHAUST                         |  |  | RESTROOMS   | GREENHECK    | G-90-VG    | SB           | GC           | 115v/1PH/1.5            | 1/10      | 400 CFM | 0.5           | 29                | PROVIDE WITH DISCONNECT AND BIRD SCREEN              |  |  |
| 10873        | 1     | FAN - RESTROOM EXHAUST ROOF CURB AND DAMPER    |  |  | RESTROOMS   | GREENHECK    | GPI-17-G12 | SB           | GC           | N/A                     | N/A       | N/A     | N/A           | 14                | PROVIDE WITH GREENHECK BD-100 10x10 BACKDRAFT DAMPER |  |  |
| 10894        | 1     | FAN - DT AIR CURTAIN WITH HEATER - 48IN 1220MM |  |  | DRIVE-THRU  | READY ACCESS | AA300      | LL           | LL           | 208v/1PH/32             | N/A       | 600 FPM | N/A           | N/A               | INCLUDED AS PART OF DT WINDOW PACKAGE                |  |  |



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STARBUCKS TEMPLATE VERSION i2023.04.24



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GPD PROJECT NUMBER 184-007100

BRANDON M. MARZLEY  
062.066218  
STATE OF ILLINOIS  
*[Signature]*  
Signature  
01/19/2024

Date  
11/30/2025  
Exp. date

PROJECT NAME:  
**RANDALL AND ACKMAN**  
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STORE #: 70143  
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ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |
|     |      |    |             |

SHEET TITLE:  
**MECHANICAL SCHEDULES**  
SCALE: AS SHOWN  
SHEET NUMBER:  
**M601**

| AIR BALANCE SCHEDULE CFM |               |                  |                  |                       |                       |                   |
|--------------------------|---------------|------------------|------------------|-----------------------|-----------------------|-------------------|
| AREA SERVED              | EQUIPMENT TAG | SUPPLY AIR (CFM) | RETURN AIR (CFM) | OUTSIDE AIR MAX (CFM) | OUTSIDE AIR MIN (CFM) | EXHAUST AIR (CFM) |
| CAFE SEATING             | RTU-4         | 4000             | 3851             | 149                   | 149                   | --                |
| CAFE SEATING             | RTU-5         | 4000             | 3384             | 616                   | 326                   | --                |
| RESTROOMS                | 10632         | --               | --               | --                    | --                    | 400               |
| TOTAL                    |               | 8000             | 7235             | 765                   | 475                   | 400               |

| THERMOSTAT/SENSOR SCHEDULE |       |                                      |  |  |          |          |   |  |  |
|----------------------------|-------|--------------------------------------|--|--|----------|----------|---|--|--|
| DESIGN ID                  | COUNT | DESCRIPTION                          |  |  | FURN. BY | INST. BY | COMMENTS  |  |  |
| X0110                      | 2     | THERMOSTAT                           |  |  | GC       | GC       | CARRIER 33CS2PP2S-03, NONPROGRAMMABLE THERMOSTAT                    |  |  |
| X0111                      | 2     | REMOTE TEMPERATURE SENSOR            |  |  | GC       | GC       | CARRIER 33ZCT55C02-02, TEMPERATUER/C02 SENSOR                       |  |  |
| X0112                      | 2     | REMOTE HUMIDITY SENSOR               |  |  | GC       | GC       | CARRIER 33ZCSENSRH-02, HUMIDITY SENSOR                              |  |  |
| X0113                      | 1     | CO SENSOR/ALARM                      |  |  | GC       | GC       | CARBON MONOXIDE SENSOR/ALARM - MODEL GE260-CO WITH BUILT IN SOUNDER |  |  |
| 17797                      | 1     | ENERGY MANAGEMENT SYSTEM - HVAC ONLY |  |  | SB       | GC       | GENERAL CONTRACTOR INSTALLED, GENERAL CONTRACTOR WITH SB            |  |  |

| GRILLE, REGISTER AND DIFFUSER SCHEDULE |       |                 |  |  |          |          |   |  |  |
|--|-------|-----------------|--|--|----------|----------|---|--|--|
| DESIGN ID                              | COUNT | DESCRIPTION     |  |  | FURN. BY | INST. BY | COMMENTS  |  |  |
| X0101                                  | 3     | SUPPLY DIFFUSER |  |  | GC       | GC       | TITUS TDC, 6"Ø NECK, 12"x12" FACE                         |  |  |
| X0102                                  | 10    | SUPPLY DIFFUSER |  |  | GC       | GC       | TITUS TDC, 8"Ø NECK, 24"x24" FACE                         |  |  |
| X0103                                  | 5     | SUPPLY DIFFUSER |  |  | GC       | GC       | TITUS TDC, 10"Ø NECK, 24"x24" FACE                        |  |  |
| X0104                                  | 1     | SUPPLY DIFFUSER |  |  | GC       | GC       | TITUS TDC, 6"Ø NECK, 24"x24" FACE                         |  |  |
| X0105                                  | 9     | SUPPLY DIFFUSER |  |  | GC       | GC       | TITUS ML-39, 1" SLOT , 3 SLOTS, 12" Ø NECK, BORDER TYPE 2 |  |  |
| X0106                                  | 3     | RETURN GRILLE   |  |  | GC       | GC       | TITUS 350RL, 18"x18" NECK, 24"x24" FACE                   |  |  |
| X0107                                  | 3     | EXHAUST GRILLE  |  |  | GC       | GC       | TITUS 350RL, 8"x8" NECK, 10"x10" FACE                     |  |  |
| X0108                                  | 2     | RETURN GRILLE   |  |  | GC       | GC       | TITUS 350RL, 22"x22" NECK, 24"x24" FACE                   |  |  |

| VENTILATION AIR CALCULATION (BASED ON THE 2015 IMC) | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MARK | AREA SERVED | OCCUPANCY CATEGORY | ZONE AREA (AZ) | OCCUPANCY DENSITY (P/1000 SF) | ZONE POPULATION (Pz) | OUTDOOR AIR CFM PER PERSON (Rp) | OUTDOOR AIR CFM PER SF (Ra) | OUTDOOR AIR CFM PER PERSON (Rp) |  |

**ABBREVIATIONS**

|        |   |
|--------|---|
| AFF    | ABOVE FINISHED FLOOR                        |
| AHJ    | AUTHORITIES HAVING JURISDICTION             |
| APPROX | APPROXIMATE                                 |
| BLDG   | BUILDING                                    |
| CLG    | CEILING                                     |
| CONST  | CONSTRUCTION                                |
| CW     | DOMESTIC COLD WATER                         |
| CXA    | COMMISSIONING AGENT                         |
| DEG    | DEGREES                                     |
| DN     | DOWN  |
| DTL    | DETAIL                                      |
| DWG(S) | DRAWING(S)                                  |
| EA     | EACH  |
| EC     | ELECTRICAL CONTRACTOR                       |
| ELEC   | ELECTRICAL                                  |
| EMER   | EMERGENCY                                   |
| EXIST  | EXISTING                                    |
| EXT    | EXTERIOR                                    |
| FD     | FLOOR DRAIN                                 |
| FS     | FLOOR SINK                                  |
| F&I    | FURNISH & INSTALL                           |
| FOIC   | FURNISHED BY OWNER, INSTALLED BY CONTRACTOR |
| FOIO   | FURNISHED BY OWNER, INSTALLED BY OWNER      |
| FLR    | FLOOR                                       |
| FT     | FOOT/FEET                                   |
| FCO    | FLOOR CLEANOUT                              |
| GC     | GENERAL CONTRACTOR                          |
| GFCI   | GROUND FAULT CIRCUIT INTERRUPTER            |
| GW     | GREASE WASTE                                |
| HR     | HOUR  |
| HVAC   | HEATING, VENTILATION, AND AIR CONDITIONING  |
| HW     | HOT WATER                                   |
| HS     | HANDSINK                                    |
| HWS    | HOT WATER SUPPLY                            |
| HWR    | HOT WATER RETURN                            |
| LL     | LANDLORD                                    |
| LV     | LOW VOLTAGE                                 |
| MAX    | MATRIX                                      |
| MC     | MECHANICAL CONTRACTOR                       |
| MDP    | MAIN DISTRIBUTION PANEL                     |
| MECH   | MECHANICAL                                  |
| MEP    | MECHANICAL, ELECTRICAL, AND PLUMBING        |
| MFG    | MANUFACTURER                                |
| MIN    | MINIMUM                                     |
| MS     | MOP SINK                                    |
| NL     | NIGHTLIGHT                                  |
| NTS    | NOT TO SCALE                                |
| PC     | PLUMBING CONTRACTOR                         |
| PS     | PREP SINK                                   |
| POC    | POINT OF CONNECTION                         |
| REF    | REFERENCE                                   |
| REQ'D  | REQUIRED                                    |
| REV    | REVISION                                    |
| SHT    | SHEET                                       |
| SF     | SQUARE FEET                                 |
| SPECS  | SPECIFICATION(S)                            |
| SST    | STAINLESS STEEL                             |
| TEL    | TELEPHONE                                   |
| TEMP   | TEMPORARY                                   |
| TMV    | TEMPERATURE MIXING VALVE                    |
| TW     | TEMPERED HOT WATER                          |
| TYP    | TYPICAL                                     |
| UC     | UNDER COUNTER                               |
| UNO    | UNLESS NOTED OTHERWISE                      |
| V      | VENT  |
| W      | SANITARY WASTE                              |
| WCO    | WALL CLEANOUT                               |
| WH     | WATER HEATER                                |
| WP     | WEATHER PROOF                               |

**PLUMBING SYMBOL LEGEND**

|           |        |                                     |
|-----------|--------|-------------------------------------|
| — - —     | S OR W | SANITARY OR WASTE PIPING ABOVE SLAB |
| — - —     | S OR W | SANITARY OR WASTE PIPING BELOW SLAB |
| — - - - - | V      | VENT PIPING                         |
| — - - - - | GW     | GREASE WASTE                        |
| — - - - - | CD     | CONDENSATE DRAIN                    |
| — - - - - | CW     | COLD WATER PIPING                   |
| — - - - - | HW     | HOT WATER PIPING                    |
| — - - - - | HVR    | HOT RECIRCULATION WATER PIPING      |
| — - - - - | FCW    | FILTERED COLD WATER                 |
| — - - - - | CWN    | COLD WATER NANO FILTERED            |
| — - - - - | CWS    | COLD WATER SOFTENED                 |
| — - - - - | TW     | TEMPERED WATER                      |
| — - - - - | RO     | REVERSE OSMOSIS WATER               |
| — - - - - | G      | GAS PIPING                          |
| — - - - - | RD     | REFRIGERANT DISCHARGE PIPING        |
| — - - - - | RS     | REFRIGERANT SUCTION PIPING          |
| — - - - - | BV     | BALL VALVE                          |
| — - - - - | GV     | GATE VALVE                          |
| — - - - - | CH. V  | CHECK VALVE                         |
| — - - - - | RV     | RELIEF VALVE                        |
| — - - - - | HB     | HOSE BIBB                           |
| — - - - - | S      | SHOCK ABSORBER                      |
| — - - - - |        | STRAINER                            |
| — - - - - | WCO    | WALL CLEANOUT                       |
| — - - - - | FCO    | FLOOR CLEANOUT                      |
| — - - - - | FS     | FLOOR SINK                          |
| — - - - - | WM     | WATER METER                         |
| — - - - - | POC    | CONNECT TO EXISTING                 |

**SYSTEM COMMISSIONING**

- CONTRACTOR RESPONSIBILITIES FOR BUILDING COMMISSIONING**
- CONTRACTOR SHALL PROVIDE SUPPORT AND WORK AS SPECIFIED, NEEDED AND REQUIRED TO CONDUCT AND FACILITATE STARBUCKS STAFF BUILDING COMMISSIONING EFFORTS. THIS WORK WILL BE COMPRISED OF THREE DISTINCT EFFORTS:
- 1) SUPPORT STARBUCKS COMMISSIONING AGENT (CXA) DURING INSTALLATION VERIFICATION AND CORRECT DISCLOSED DEFICIENCIES;
  - 2) PERFORM TESTING, ADJUSTING, BALANCING AND SYSTEM STARTUP AND SUPPORT FUNCTIONAL PERFORMANCE TESTING BY STARBUCKS CXA;
  - 3) CORRECT DEFICIENCIES DISCLOSED BY FUNCTIONAL PERFORMANCE TESTING AND SUBMIT REPORTS. CONTRACTOR SHALL PERFORM AND PROVIDE THE FOLLOWING:
- A. SYSTEMS SUBJECT TO COMMISSIONING MAY INCLUDE, BUT ARE NOT LIMITED TO, DOMESTIC HOT WATER GENERATION.
  - B. CONTRACTOR SHALL INCLUDE COMMISSIONING ACTIVITIES IN PROJECT SCHEDULE AND SHOW INTERVALS FOR PERFORMANCE OF WORK FOR WHICH CONTRACTOR IS RESPONSIBLE AND INTERVALS FOR WORK PERFORMED BY STARBUCKS CXA. CONTRACTOR SHALL SHOW RESOURCES FOR PERFORMING ALL WORK RELATED TO COMMISSIONING ACTIVITIES ON A LINE ITEM IN THE SCHEDULE OF VALUES.
  - C. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND ALL CONTRACT DOCUMENTS. ENSURE THAT ALL EQUIPMENT IS INSTALLED TOTALLY COMPLETE, AND ACCESSIBLE TO STARBUCKS CXA FOR INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING PRIOR TO THE SCHEDULED START OF INSTALLATION VERIFICATION.
  - D. INSTALLATION VERIFICATION SHALL BE PERFORMED BY STARBUCKS CXA. CONTRACTOR SHALL SUPPORT STARBUCKS CXA INSTALLATION VERIFICATION EFFORTS AS NECESSARY. PROVIDE ALL ACCESS AND EQUIPMENT NECESSARY FOR STARBUCKS STAFF TO VERIFY THAT THE EQUIPMENT IS INSTALLED CORRECTLY.
  - E. CONTRACTOR SHALL BE READILY AVAILABLE DURING INSTALLATION VERIFICATION TO CORRECT ANY DEFICIENCIES OR DEFECTS DISCLOSED BY THE INSTALLATION VERIFICATION PROCESS. CORRECTIONS SHALL BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION OF THE CONSTRUCTION SCHEDULE.
  - F. ALL DOMESTIC WATER HEATING, RECYCLING, FILTER AND SOFTENING EQUIPMENT SHALL BE TESTED AND/OR ADJUSTED AND BALANCED BY THE CONTRACTOR'S TESTING, ADJUSTING AND BALANCE AGENT (SEE TESTING, ADJUSTING AND BALANCING) OR THE MANUFACTURER'S CERTIFIED STARTUP REPRESENTATIVE AFTER THE SYSTEM IS VERIFIED TO BE COMPLETE AND CORRECT BY STARBUCKS CXA IN ACCORDANCE WITH THE REQUIREMENTS OF THESE DOCUMENTS. SEQUENCES OF OPERATION SHALL BE TESTED TO ENSURE THAT THEY OPERATE IN ACCORDANCE WITH THE CONTRACTOR'S REQUIREMENTS, DELIVERABLES, PRELIMINARY WRITTEN FUNCTIONAL PERFORMANCE REPORT CONFORMING TO THE REQUIREMENTS SPECIFIED HEREIN, DOCUMENTING THE INFORMATION SPECIFIED, ETC. TO THE STARBUCKS CXA IMMEDIATELY UPON COMPLETION OF THE WORK.
  - G. CONTRACTOR SHALL INFORM STARBUCKS CXA WHEN EQUIPMENT IS READY FOR FUNCTIONAL PERFORMANCE TESTING. ALL EQUIPMENT SHALL BE READY FOR FUNCTIONAL PERFORMANCE TESTING PRIOR TO STARTING TESTING. CONTRACTOR SHALL OPERATE EQUIPMENT FOR STARBUCKS CXA AND VERIFY BY DEMONSTRATION THE CORRECT OPERATION OF EQUIPMENT, RESPONSE OF SENSORS, AND PROPER EXECUTION OF HVAC CONTROL AND LIGHTING SEQUENCES; INCLUDING BUT NOT LIMITED TO, AIR MOVEMENT, TEMPERATURE, SOUND, AND CONTROL RESPONSE. PROVIDE ANY SECURITY ACCESS, HARDWARE, SOFTWARE, OR OTHER SUPPORT AS NEEDED FOR THE STARBUCKS CXA TO EFFICIENTLY WITNESS AND DOCUMENT ALL EQUIPMENT TESTING. STARBUCKS CXA WILL RECORD THE EQUIPMENT OPERATION AND RESPONSE TO TESTING SEQUENCES AND PREPARE A LIST OF ANY DEFICIENCIES DISCLOSED BY THE FUNCTIONAL PERFORMANCE TESTS FOR CORRECTION BY THE CONTRACTOR. EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, AIR HANDLING UNITS, ROOFTOP AND SPLIT TYPE, CONDENSING UNITS, EXHAUST FANS, LIGHTING CONTROLS, ETC. DELIVERABLES: PROVIDE COMPLETED COPIES OF ALL START UP REPORTS, FILLED OUT ON THE MANUFACTURER'S FORMS, TO THE STARBUCKS CXA.
  - H. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES DISCLOSED DURING THE FUNCTIONAL PERFORMANCE TESTING PROCESS. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE.
  - I. CONTRACTOR SHALL BE READILY AVAILABLE FOR ANY RE-TESTING OF EQUIPMENT DEEMED NECESSARY BY STARBUCKS CXA DURING INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES FOUND IN THE SYSTEM DURING ANY AND ALL RE-TESTING. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE. DELIVERABLES: FINAL BALANCE REPORT, DEFICIENCIES LIST NOTING CORRECTIVE ACTIONS PERFORMED BY CONTRACTOR IN RESPONSE TO INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TEST RESULTS.
  - J. CONSTRUCTION AND POST CONSTRUCTION TESTING: ADDITIONAL TESTING MAY BE REQUIRED BY LEED AND OTHER PROCESSES THAT MAY OCCUR OUT OF SEQUENCE WITH COMMISSIONING SERVICE. CONTRACTOR SHALL CONDUCT, DOCUMENT, SUPPORT AND SCHEDULE THIS TESTING AS DIRECTED BY STARBUCKS CXA.

**VALVES**

- GENERAL**
- INSTALL VALVES FOR EACH FIXTURE AND ITEM OF EQUIPMENT. PROVIDE BRAIDED STAINLESS STEEL HOSE (UNLESS OTHERWISE NOTED) BETWEEN VALVE AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. LOCATE SHUT-OFF VALVES ADJACENT TO EQUIPMENT FOR EASY ACCESS SUCH THAT VALVES CAN BE REACHED WITHOUT MOVING EQUIPMENT. SHUT OFF VALVES TO BE BALL TYPE. VALVES SHALL BE LISTED/APPROVED FOR USE PER AUTHORITIES HAVING JURISDICTION (AHJ) AND CODE REQUIREMENTS. PROVIDE VALVE IDENTIFICATION PER THE PROJECT MANUAL FOR MAIN WATER SERVICE SHUT-OFF AND ANY OTHER VALVES WHICH ARE NOT CLEARLY EVIDENT WHAT THEY SERVE.

**PLUMBING FIXTURES****WATER HEATER**

SIZE WATER HEATER PER STARBUCKS STANDARD AND PER AUTHORITIES HAVING JURISDICTION (AHJ), WHICHEVER IS MORE STRINGENT. PROVIDE INSTALLATION COMPLETE WITH FITTINGS AS SHOWN IN THE DRAWINGS, SET HOT WATER TEMPERATURE AT 140° F OR JUST AS REQUIRED BY AHJ. PROVIDE THERMOMETER ON HOT WATER PIPE LEAVING WATER HEATER.

**WATER FILTRATION**

STARBUCKS WATER FILTRATION VENDOR WILL PROVIDE FILTRATION SYSTEM. CONTRACTOR SHALL CONFIRM WITH STARBUCKS CONSTRUCTION MANAGER WHETHER VENDOR OR PLUMBING CONTRACTOR IS TO INSTALL FILTRATION SYSTEM. PROVIDE AND COORDINATE INSTALLATION COMPLETE WITH ALL PIPING, FITTINGS, AND EQUIPMENT AS INDICATED ON THE DRAWINGS.

**CONNECTIONS**

THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT INCLUDING REQUIRED MATERIAL SUCH AS PIPING, VALVES, FILTERS, TRAPS, CHECKS VALVES, VACUUM BREAKERS, AND FLEXIBLE AND RIGID TUBING.

**SCHEDULES**

REFER TO SCHEDULES ON DRAWINGS FOR A DESCRIPTION OF LISTED ITEMS AND FURNISH ANY AND ALL PLUMBING FIXTURES LISTED AS "G". ANY DISCREPANCIES ABOUT WHO IS TO PROVIDE PLUMBING FIXTURES IN THE SCHEDULE SHALL BE BROUGHT TO STARBUCKS ATTENTION FOR CLARIFICATION. INSTALL ALL FIXTURES LISTED REGARDLESS OF WHO SUPPLIES.

**DISHWASHER**

G.C. TO FURNISH AND INSTALL POWER CORD FOR DISHWASHER PER JURISDICTIONAL REQUIREMENTS. IF EQUIPMENT IS SPECIFIED AS HOBART ADVANSYS, THE UNIT IS TO BE PLUMBED WITH COLD, NON-FILTERED WATER. IF THE WATER FILTRATION SYSTEM IS A PENTAIR CONFIGURATION II OR III, THEN THE COLD, NON-FILTERED WATER MUST ALSO BE SOFTENED.

**INSULATION**

**WATER PIPING**  
PROVIDE THERMAL INSULATION PER THE SPECIFICATIONS.

**SAFETY COVERS**

FURNISH AND INSTALL SPECIFIED NO SCALD SAFETY COVERS WITH INSULATED FOAM LINER AND TAMPER PROOF STRAP AT ALL EXPOSED ADA SINK P-TRAPS AND WATER SUPPLIES AND AS REQUIRED BY JURISDICTION.

**PIPING****CONDENSATE DRAINAGE PIPING**

THE PLUMBING CONTRACTOR SHALL PROVIDE CONDENSATE DRAINS FOR AIR HANDLING UNITS AND STARBUCKS EQUIPMENT (REFER TO SCHEDULE). CONDENSATE DRAINAGE PIPING SHALL BE TYPE "M" COPPER TUBING WITH WROUGHT COPPER SWEAT FITTINGS JOINED WITH 50/50 SOLDER.

**TESTING**

ALL PIPES SHALL BE TESTED BY AN APPROVED METHOD BEFORE THEY ARE BACKFILLED OR CONCEALED. AFTER TESTING IS COMPLETE, THE PLUMBING CONTRACTOR SHALL DISINFECT THE POTABLE WATER SYSTEM AS REQUIRED BY LOCAL AUTHORITY. TEST WATER PURITY ACCORDING TO LOCAL REQUIREMENTS AND SUBMIT CERTIFIED TEST RESULTS TO ENGINEER FOR REVIEW AND APPROVAL.

**STANDARDS**

EQUIPMENT AND MATERIALS SHALL CONFORM WITH THE APPROPRIATE PROVISIONS OF LISTING STANDARD IN EFFECT AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

**CODES**

ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE PROVINCIAL AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO STARBUCKS.

**PERMITS AND FEES**

THE CONTRACTOR SHALL PROCIURE AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY TO COMPLETE THE PLUMBING WORK.

**WARRANTY**

THE CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY STARBUCKS AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.

**LANDLORD REQUIREMENTS**

**PRIOR TO BID:** THE CONTRACTOR SHALL COORDINATE WITH LANDLORD / BUILDING OWNER FOR ANY CONSTRUCTION REQUIREMENTS. CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH REQUIREMENTS AND ADHERE TO THEM. WHERE LANDLORD / BUILDING OWNER REQUIREMENTS ARE MORE STRINGENT THAN SHOWN IN THESE PLANS. LANDLORD / BUILDING OWNER REQUIREMENTS SHALL GOVERN.

**GENERAL PLUMBING NOTES**

1. PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF WORK.
2. EXPOSED/SURFACE MOUNTED PIPING IS ONLY ALLOWED IN THE BAR AREA UNDER COUNTERTOPS, WHERE IT DOES NOT OBSTRUCT CABINETS/DEVICES AND WHERE APPROVED BY STARBUCKS CONSTRUCTION MANAGER. IF ROUTED THROUGH CABINETS, IT SHALL BE ROUTED TO MAXIMIZE STORAGE SPACE AND BE PROTECTED FROM DAMAGE.

3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL INTENT OR ARRANGEMENT OF SYSTEM(S). FURNISH AND INSTALL ALL COMPONENTS NEEDED WHETHER INDICATED OR NOT TO PROVIDE A COMPLETE AND OPERATING SYSTEM. OVERALL CASEWORK COMPONENT DIMENSIONING ON PLUMBING DETAILS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY.

4. CONTRACTOR TO VERIFY ALL DIMENSIONS, INCLUDING CLEARANCES REQUIRED BY OTHER TRADES, AND NOTIFY STARBUCKS CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. ALL DIMENSIONS ARE TO THE FACE OF THE FINISHED SURFACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE TAKEN FROM ACTUAL BUILDING DIMENSIONS.

5. THE PLUMBING CONTRACTOR SHALL COORDINATE PLUMBING WORK WITH OTHER TRADES. THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR FIXTURES IN CASEWORK AND PLUMBING DETAILS. SEE THE PROJECT MANUAL FOR PLUMBING SPECIFICATION SECTIONS.

6. ALL PIPING AND/OR PLUMBING DEVICES SHALL BE SUPPORTED FROM STRUCTURE (NOT FROM HVAC DUCTS OR OTHER PIPES/CONDUITS).

7. WHEN BUNDLING SEVERAL INDIRECT WASTE LINES TO DRAIN INTO FLOOR SINK, A UNISTRUT IS REQUIRED FOR SECURING AND BRACING ALL LINES ABOVE THE DRAIN.

8. FURNISH AND INSTALL ALL NEEDED DRAIN LINES PER CODE (NOT ALL SHOWN). INSTALL DRAINS AT 2% SLOPE WHERE POSSIBLE WITHOUT DIPS OR SAGS. ALL INDIRECT DRAINS SHALL RUN SEPARATELY FROM EACH OTHER TO INDIRECT DRAIN RECEPTOR AND SHALL TERMINATE WITH AN AIR GAP PER CODE.

9. FURNISH AND INSTALL WALL CLEANOUTS AT ALL SINKS AND AS NEEDED PER CODE (NOT ALL SHOWN).

10. INSULATE ICE BIN DRAINAGE PIPES PER THE REQUIREMENTS IN THE PROJECT MANUAL.

11. PROCURE WATER HEATERS THROUGH STARBUCKS NATIONAL ACCOUNT WITH DISTRIBUTOR NATIONAL HOT WATER. SUBMIT ORDERS BY EMAIL TO: HOTWATERNIGHTCALLS@NATIONALWHOLESALE.BIZ NATIONAL HOT WATER CONTACT FOR ORDERING AND DISTRIBUTION SUPPORT: (888) 444-4434.

12. PROCURE WATER CLOSETS, URINALS AND FLUSH VALVES THROUGH STARBUCKS NATIONAL ACCOUNT WITH DISTRIBUTOR FERGUSON. SUBMIT QUOTATION REQUESTS BY EMAIL TO: NA.PROJECTS@FERGUSON.COM FERGUSON CONTACT FOR ORDERING AND DISTRIBUTION SUPPORT: (757) 234-8342.

## KEYED NOTES

1. WATER HEATER:  
ROUTE 1 1/4" COLD AND HOT WATER FROM WATER HEATER, UP IN CEILING SPACE. WATER HEATER INSTALLATION SHALL BE IN COMPLIANCE WITH APPLICABLE CODES AND ORDINANCES, REFER TO WATER HEATER DETAIL.
  2. MOP SINK:  
ROUTE 3/4" HOT AND COLD DOWN IN WALL AND CONNECT TO MOP SINK FAUCET. PROVIDE APPROVED BACKFLOW PREVENTION DEVICE ON SERVICE FAUCET AS REQUIRED. CAULK AND SEAL BACK OF SINK TO WALL.
  3. WATER FILTER:  
ROUTE 3/4" COLD WATER DOWN IN WALL AND CONNECT TO BOOSTER PUMP. ROUTE 3/4" COLD WATER FROM BOOSTER PUMP AND CONNECT TO WATER FILTER, EXTEND 3/4" FILTERED COLD WATER FROM WATER FILTER UP IN WALL TO CEILING SPACE. PLUMBING CONTRACTOR TO FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS AND ACTIVATION PROCEDURES FOR FILTERS. INSTALL ASSEMBLY ON WALL, REFER TO WATER FILTER DETAIL.
  4. 3-COMPARTMENT SINK:  
ROUTE 3/4" HOT AND COLD WATER DOWN IN WALL AND CONNECT TO FAUCET AND OVERHEAD SPRAY. CAULK AND SEAL BACK OF SINK TO WALL. HOT WATER PIPING SHALL BE CONNECTED TO WALL MOUNTED SOAP/SANITIZER.
  5. DISHWASHER:  
ROUTE 3/4" SOFT COLD WATER DOWN IN WALL AND STUB OUT AT 18" A.F.F. PROVIDE WITH SHUT-OFF VALVE WITH 3/4" MALE HOSE-END FITTING. SHUT-OFF TO INCLUDE PRESSURE REDUCING VALVE, PRESSURE GAUGE (SET @ 20 PSIG, +/- 5 PSIG), LINE STRAINER, AND SHOCK ARRESTOR IN ALL CONNECT DISHWASHER TO CW SUPPLY WITH 72" LONG BRAIDED STAINLESS STEEL HOSE. PROVIDE AND INSTALL ANY ADDITIONAL PIPING AND DEVICES AS REQUIRED FOR COMPLETE INSTALLATION.
  6. ICE MACHINE:  
ROUTE 3/4" FILTERED COLD WATER DOWN IN WALL AND CONNECT TO ICE MACHINE, PROVIDE WITH REQUIRED BACKFLOW PREVENTION DEVICE. CONTRACTOR SHALL SUPPLY AND INSTALL 3/8" BRAIDED STAINLESS STEEL SUPPLY FROM SHUT-OFF TO MACHINE. PROVIDE WITH WATER HAMMER ARRESTOR IN SUPPLY LINE.
  7. HAND SINK:  
ROUTE 3/4" HOT AND COLD WATER DOWN IN WALL AND CONNECT TO HAND SINK, CONTRACTOR TO PROVIDE AND INSTALL THERMOSTATIC MIXING VALVE BELOW FIXTURE AND SET TO 110°F. MIXING VALVE SHALL BE ASSE 1070 COMPLIANT. REPLACE AERATOR PROVIDED WITH FAUCET WITH 0.5 GPM VANDAL RESISTANT FLOW CONTROL AERATOR. CAULK AND SEAL BACK OF SINK TO WALL.
  8. COFFEE BREWER:  
ROUTE 3/4" FILTERED COLD WATER DOWN IN WALL. CONTRACTOR SHALL PROVIDE AND INSTALL SHUT-OFF VALVE IN CABINET AT 24" A.F.F. CONTRACTOR SHALL SUPPLY AND INSTALL 3/8" BRAIDED STAINLESS STEEL SUPPLY LINE FROM SHUT-OFF VALVE TO MACHINE. PROVIDE WITH APPROVED BACKFLOW PREVENTION DEVICE AND WATER HAMMER ARRESTOR IN SUPPLY LINE.
  9. ESPRESSO MACHINE:  
ROUTE 3/4" FILTERED COLD WATER DOWN IN WALL AND CONNECT TO ESPRESSO MACHINE. PROVIDE AND INSTALL BRAIDED STAINLESS STEEL HOSE FROM SHUT-OFF VALVE TO PUMP AND FROM PUMP TO ESPRESSO MACHINE'S WATER INLET. PROVIDE WITH BACKFLOW PREVENTION DEVICE WATER HAMMER ARRESTOR IN SUPPLY LINE.
  10. DIPPER WELL, HOT TAP, WATER TOWER, AND PITCHER RINSER:  
ROUTE 3/4" COLD, AND FILTERED COLD WATER IN CASEWORK. EXTEND 1/2" FILTERED COLD WATER UP IN CASEWORK AND CONNECT TO DIPPER WELL. EXTEND 3/8" FILTERED WATER UP IN CASEWORK AND CONNECT TO HOT WATER DISPENSER, CONTRACTOR SHALL REDUCE WATER SUPPLY LINE TO 1/4" AT UNIT. EXTEND 3/8" FILTERED COLD WATER UP IN CASEWORK AND CONNECT TO WATER TOWER FAUCET. EXTEND 1/2" AND COLD WATER UP IN CASEWORK AND CONNECT TO PITCHER RINSER FAUCET (2 HANDLE). REFER TO ESP SINK PIPING DETAIL. PROVIDE WITH BACKFLOW PREVENTION AND WATER HAMMER ARRESTOR IN SUPPLY LINES.
  11. WATER CLOSET:  
ROUTE 1" COLD WATER DOWN IN WALL AND CONNECT TO WATER CLOSET. PROVIDE WITH WATER HAMMER ARRESTOR IN SUPPLY LINE. CONTRACTOR SHALL CHOOSE RIGHT/LEFT HAND ORIENTATION TO BE ADA COMPLIANT PRIOR TO ORDERING.
  12. ROUTE 3/4" COLD, AND FILTERED COLD WATER UP FROM BELOW GRADE THRU SLAB, PROVIDE WITH BALL SHUT-OFF VALVE AT FLOOR PENETRATION. PIPING SHALL BE ROUTED CONCEALED BELOW COUNTER AND TIGHT TO BAR WALL (COORDINATE WITH G.C.).
  13. WORK SINK:  
ROUTE 3/4" HOT AND COLD WATER IN CASEWORK AND CONNECT TO WORK SINK.
  14. DROP-IN SINK:  
ROUTE 3/4" HW, CW, AND FCW DOWN IN WALL EXTEND 1/2"FCW IN CASEWORK AND CONNECT TO HOT WATER DISPENSER, CONTRACTOR SHALL REDUCE WATER SUPPLY LINE TO 1/4" AT UNIT. EXTEND 1/2" FCW IN CASEWORK AND CONNECT TO WATER TOWER FAUCET. ROUTE 1/2" HW AND CW IN CASEWORK AND CONNECT TO LAVATORY FAUCET. CONTRACTOR SHALL PROVIDE AND INSTALL AN WITH APPROVED BACKFLOW PREVENTION DEVICE AND WATER HAMMER ARRESTOR IN SUPPLY LINES.
  15. ROUTE 3/4" COLD WATER AND FILTERED COLD WATER DOWN IN WALL AND EXTEND BELOW SLAB.
  16. LAVATORY:  
ROUTE 3/4" HOT AND COLD WATER DOWN IN WALL AND CONNECT TO LAVATORY, CONTRACTOR TO PROVIDE AND INSTALL THERMOSTATIC MIXING VALVE BELOW FIXTURE AND SET TO 110°F. MIXING VALVE SHALL BE ASSE 1070 COMPLIANT. CONNECTION FOR LAVATORY TO HOT WATER RECIRCULATION PIPING SHALL BE A MAXIMUM OF 2'-0". REPLACE AERATOR PROVIDED WITH FAUCET WITH 0.5 GPM VANDAL RESISTANT FLOW CONTROL AERATOR. CAULK AND SEAL BACK OF SINK TO WALL.
  17. 2" COLD WATER STUB INTO SPACE. GC SHALL VERIFY BACKFLOW PREVENTER IN UTILITY ROOM.
  18. REPLACE AERATOR PROVIDED WITH FAUCET WITH 0.5 GPM VANDAL RESISTANT FLOW CONTROL AERATOR.
  19. REMOVE AND REPLACE STOCK SPRAY HEAD FLOW RESTRICTOR WITH OPTIONAL 1.2 GPM FLOW RESTRICTOR PROVIDED WITH FAUCET.
  20. PIPING SHALL BE BELOW FLOOR.
  21. CONNECT 3/4" CW TO HOSE BIB. FIELD VERIFY EXACT LOCATION.
  22. ROUTE 3/4" HW, CW AND FCW DOWN IN WALL AND CONNECT TO WATER FILLING STATION. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED BACKFLOW PREVENTION DEVICE AND WATER HAMMER ARRESTOR IN SUPPLY LINES.
  23. CONTRACTOR SHALL PROVIDE CONTROLS TO SHUT DOWN PUMP WHEN WATER IN CIRCULATION LOOP IS AT DESIRED TEMPERATURE AND WHEN THERE IS NO DEMAND FOR HOT WATER. RECIRC. PUMP SHALL BE BELL AND GOSSETT MODEL NBF-18S 120V, 100 WATT, WITH AQUASTAT.
  24. URINAL:  
ROUTE 3/4" COLD WATER DOWN IN WALL AND CONNECT TO URINAL. PROVIDE WITH WATER HAMMER ARRESTOR IN SUPPLY LINE.
  25. CONNECT 3/4" CW TO HOSE BIB. FIELD VERIFY EXACT LOCATION. VISIBLE PIPING ABOVE BAFFLING SYSTEM SHALL BE PAINTED BLACK FOX SW7020.

# **PLUMBING SUPPLY NOTES**

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- SEE PLUMBING SPECIFICATIONS FOR FURTHER REQUIREMENTS.
  - ALL PLUMBING LINES TO BE ROUTED SUCH THAT THEY ARE NOT VISIBLE TO CUSTOMERS EXCEPT WHERE FIRST APPROVED BY STARBUCKS AT EXPOSED CEILING AREAS.
  - REFER TO MANUFACTURER SPECIFICATIONS FOR LOCATION OF CONNECTIONS UNLESS OTHERWISE NOTED.
  - COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTION TO ALL PLUMBING EQUIPMENT.
  - DIMENSIONS ARE TO FINISH FACE UNLESS OTHERWISE NOTED.
  - REFER TO DETAIL SHEETS FOR PLUMBING FITTINGS LOCATED IN CASEWORK.
  - GENERAL CONTRACTOR SHALL CONTACT WATER FILTRATION SUPPLIER TO COORDINATE SOW AND SCHEDULE PRIOR TO INSTALLATION OF WATER FILTRATION SYSTEM.
  - INSULATE ALL PIPING INCLUDING PIPES AT BAR AND IN CASEWORK PER THE REQUIREMENTS LISTED ON THE PLUMBING SPECIFICATIONS SHEET.
  - GENERAL CONTRACTOR SHALL FLUSH ALL SUPPLY LINES PRIOR TO CONNECTION OF ANY EQUIPMENT, FAUCETS OR FIXTURES.



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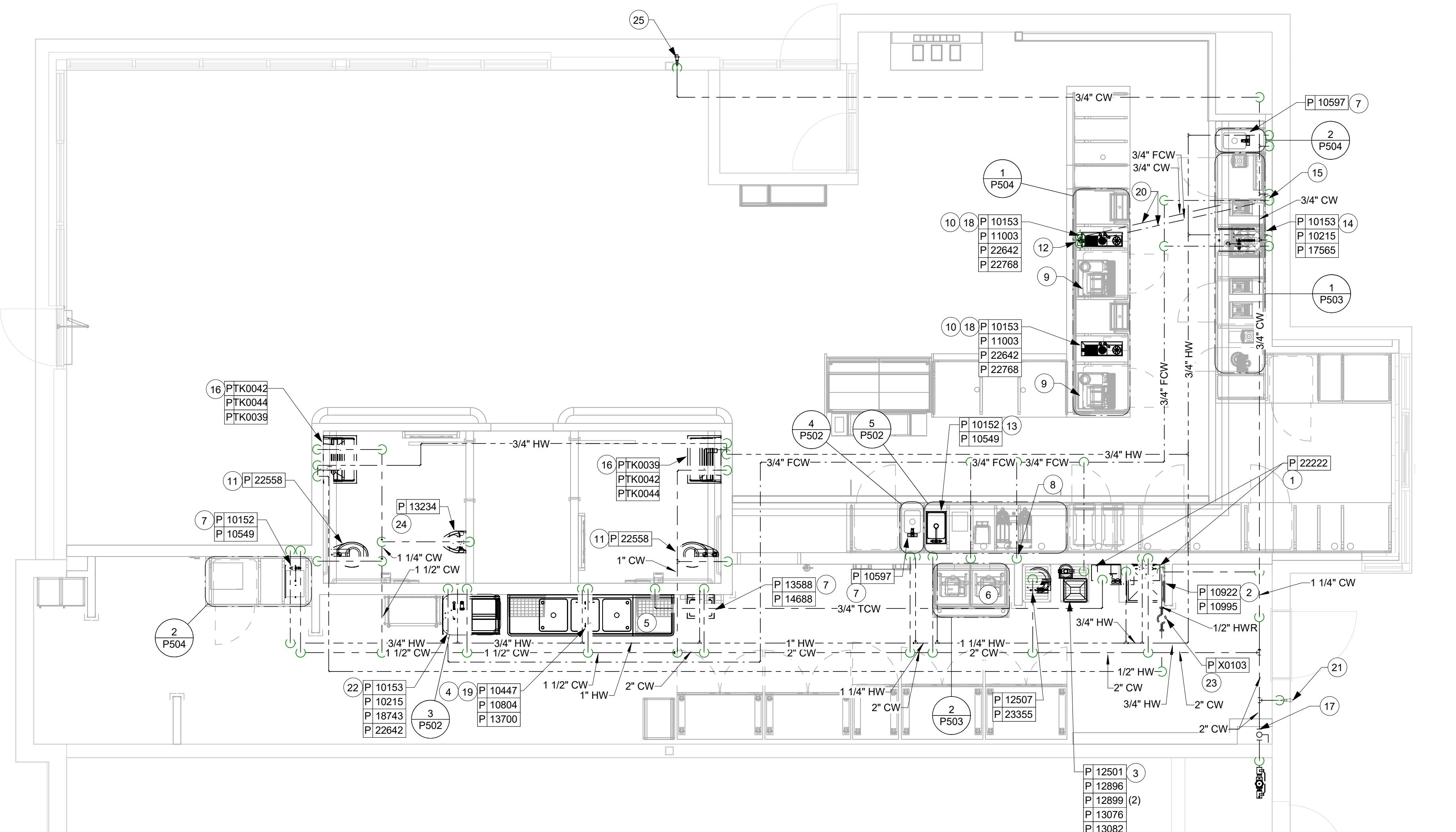
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Date \_\_\_\_\_  
11/30/2025

Exp. date



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CRYSTAL LAKE, IL 60014

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E: AS SHOWN**

ITEM NUMBER:

**KEYED NOTES**

1. 4" SANITARY WASTE PIPING BELOW GRADE. FIELD VERIFY EXACT LOCATION, SIZE, DEPTH OF INVERT, AND DIRECTION OF FLOW PRIOR TO START OF ANY WORK.
2. ESPRESSO SINK: ROUTE 1-1/2" INDIRECT WASTE PIPING IN CASEWORK TO NEW FLOOR SINK, FIELD VERIFY EXACT LOCATION.
3. ICE BIN: ROUTE 1-1/2" INDIRECT WASTE PIPING FROM ICE BIN IN CASEWORK TO FLOOR SINK. FIELD VERIFY EXACT LOCATION.
4. HAND SINK: ROUTE 2" GREASE WASTE PIPING BELOW SLAB AND EXTEND UP IN WALL, TRANSITION TO 1-1/2" GREASE WASTE PIPING AND CONNECT TO SINK. EXTEND 1-1/2" VENT PIPING UP IN WALL TO CEILING SPACE.
5. WORK SINK: ROUTE 1-1/2" INDIRECT DRAIN FROM WORK SINK TO FLOOR SINK, FIELD VERIFY EXACT LOCATION.
6. CONTRACTOR SHALL ROUTE 3" VENT THRU ROOF. ROOF PENETRATION SHALL BE MADE BY ROOFING CONTRACTOR. ROOFING CONTRACTOR SHALL MAKE ROOF PENETRATION WEATHER TIGHT. VENT THRU ROOF SHALL BE A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKES.
7. ROUTE 1" INDIRECT WASTE PIPING FROM CBE DRAIN BOARD TO FLOOR SINK. FIELD VERIFY EXACT LOCATION.
8. ROUTE 1-1/2" INDIRECT WASTE PIPING FROM PITCHER RINSER SINK TO FLOOR SINK. FIELD VERIFY EXACT LOCATION.
9. ROUTE INSULATED INDIRECT DRAIN PIPING BEHIND UNDERCOUNTER REFRIGERATOR, TIGHT TO WALL. CONTRACTOR SHALL PROVIDE AND INSTALL BUMPER GUARDS AS REQUIRED.
10. ROUTE WASTE PIPING FROM ESPRESSO MACHINE DRAIN TRAY TO FLOOR SINK. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
11. WATER HEATER: ROUTE 3/4" PRESSURE RELIEF TO MOP SINK. ROUTE 1" INDIRECT DRAIN FROM WATER HEATER DRAIN PAN TO MOP SINK.
12. MOP SINK: ROUTE 3" GREASE WASTE UP AND CONNECT TO MOP SINK. EXTEND 1-1/2" VENT UP IN WALL TO CEILING SPACE.
13. WATER CLOSET: ROUTE 4" SANITARY WASTE UP AND CONNECT TO WATER CLOSET, EXTEND 2" VENT UP IN WALL TO CEILING SPACE.
14. LAVATORY: ROUTE 2" SANITARY WASTE PIPING BELOW SLAB AND TRANSITION TO 1-1/2" SANITARY WASTE PIPING AND CONNECT TO SINK. EXTEND 1-1/2" VENT PIPING UP IN WALL TO CEILING SPACE. CONTRACTOR SHALL PROVIDE AND INSTALL PIPE PROTECTOR FOR P-TRAP, TRUEBRO LAVGUARD 2 OR EQUAL.
15. 3-COMPARTMENT SINK: ROUTE SANITARY WASTE PIPING FROM SINK TO FLOOR SINK THROUGH AIR GAP. AIR GAP OPENING SHALL BE A MINIMUM OF TWICE THE EFFECTIVE OPENING OF INDIRECT WASTE PIPE.
16. DISHWASHER: ROUTE 1-1/2" INDIRECT DRAIN TO CLOSEST FLOOR SINK.
17. ICE MACHINE: ROUTE (2) 3/4" INSULATED INDIRECT DRAINS TO FLOOR SINK. DO NOT INTERCONNECT DRAINS.
18. FLOOR SINK: ROUTE 3" GREASE WASTE UP AND CONNECT TO FLOOR SINK, EXTEND 1-1/2" VENT UP IN WALL TO CEILING SPACE.
19. FLOOR CLEANOUT: CLEANOUT SHALL BE INSTALLED FLUSH WITH FINISHED FLOOR.
20. URINAL: ROUTE 2" SANITARY WASTE UP AND CONNECT TO URINAL, EXTEND 1-1/2" VENT UP IN WALL TO CEILING SPACE.
21. ROUTE 1" INDIRECT DRAIN FROM NITRO DRIP TRAY TO FLOOR SINK. FIELD VERIFY EXACT LOCATION.
22. ROUTE INDIRECT DRAIN FROM WATER FILLING STATION TO FLOOR SINK WITH APPROVED AIR GAP.
23. FLOOR DRAIN: ROUTE 3" GREASE WASTE UP AND CONNECT TO FLOOR DRAIN, EXTEND 1-1/2" VENT UP IN WALL TO CEILING SPACE.
24. FLOOR DRAIN: ROUTE 3" SANITARY WASTE UP AND CONNECT TO FLOOR DRAIN, EXTEND 1-1/2" VENT UP IN WALL TO CEILING SPACE.
25. 4" GREASE WASTE PIPING BELOW FLOOR. FIELD VERIFY EXACT LOCATION, SIZE, DEPTH OF INVERT AND DIRECTION OF FLOW PRIOR TO START OF ANY WORK.
26. PARTNER HAND SINK: ROUTE 2" SANITARY WASTE PIPING BELOW SLAB AND EXTEND UP IN WALL, TRANSITION TO 1-1/2" SANITARY WASTE PIPING AND CONNECT TO SINK. EXTEND 1-1/2" VENT PIPING UP IN WALL TO CEILING SPACE.
27. ROUTE 3/4" INDIRECT WASTE PIPING FROM NUGGET ICE DISPENSER TO FLOOR SINK WITH APPROVED AIR GAP. FIELD VERIFY EXACT LOCATION. REFER TO 1/P504 FOR MORE INFORMATION.
- J. FURNISH & INSTALL ALL NEEDED INDIRECT DRAINS PER CODE (NOT ALL SHOWN). INSTALL DRAINS AT 2% SLOPE WHERE POSSIBLE WITHOUT DIPS OR SAGS. ALL INDIRECT DRAINS SHALL RUN SEPARATELY FROM EACH OTHER TO INDIRECT DRAIN RECEPTOR AND SHALL TERMINATE WITH AN AIR GAP PER CODE.
- K. INSULATE ICE BIN DRAINAGE PIPES PER THE REQUIREMENTS ON THE PLUMBING SPECIFICATION SHEET.

**GENERAL NOTES**

- A. SEE PLUMBING SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- B. ALL PLUMBING LINES TO BE ROUTED SUCH THAT THEY ARE NOT VISIBLE TO CUSTOMERS EXCEPT WHERE FIRST APPROVED BY STARBUCKS AT EXPOSED CEILING AREAS.
- C. REFER TO MANUFACTURER SPECIFICATIONS FOR LOCATION OF CONNECTIONS UNLESS OTHERWISE NOTED.
- D. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTION TO ALL PLUMBING EQUIPMENT.
- E. DIMENSIONS ARE TO FINISH FACE UNLESS OTHERWISE NOTED.
- F. REFER TO DETAIL SHEETS FOR PLUMBING FITTINGS LOCATED IN CASEWORK.
- G. WHEN BUNDLING SEVERAL INDIRECT WASTE LINES TO DRAIN INTO A FLOOR SINK, A UNISTRUT IS REQUIRED FOR SECURING AND BRACING ALL LINES ABOVE THE DRAIN.
- H. FURNISH & INSTALL ALL NEEDED INDIRECT DRAINS PER CODE (NOT ALL SHOWN). INSTALL DRAINS AT 2% SLOPE WHERE POSSIBLE WITHOUT DIPS OR SAGS. ALL INDIRECT DRAINS SHALL RUN SEPARATELY FROM EACH OTHER TO INDIRECT DRAIN RECEPTOR AND SHALL TERMINATE WITH AN AIR GAP PER CODE.
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**GPD GROUP, INC.\***  
LIC. # - 184-007100  
520 South Main Street, Suite 2331  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101

GPD PROJECT NUMBER: 95175-002-282.13

BRANDON M. MARZLEY  
062.066218  
STATE OF ILLINOIS  
*B.C.M.M.S.*  
Signature  
01/19/2024

Date  
11/30/2025  
Exp. date

**PROJECT NAME:**  
**RANDALL AND ACKMAN**

**PROJECT ADDRESS:**  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

**STORE #:** 70143  
**PROJECT #:** 95175-002  
**ISSUE DATE:** 1/19/24 PERMIT SET  
**DESIGN MANAGER:** CAMILLA WATSON  
**PRODUCTION DESIGNER:** JO  
**CHECKED BY:** GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
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**SHEET TITLE:**  
**PLUMBING WASTE & VENT PLAN**  
SCALE: AS SHOWN

**SHEET NUMBER:** P102

**PLUMBING WASTE AND VENT PLAN**  
Scale: 1/4" = 1'-0"

0 2' 4' 8'  
N



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GPD PROJECT NUMBER: 95175-002-282.13

BRANDON M. MARZLEY  
062.066218  
STATE OF ILLINOIS  
*B.C.M.M.S.*  
Signature  
01/19/2024

Date  
11/30/2025  
Exp. date

**PROJECT NAME:**  
**RANDALL AND ACKMAN**

**PROJECT ADDRESS:**  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

**STORE #:** 70143  
**PROJECT #:** 95175-002  
**ISSUE DATE:** 1/19/24 PERMIT SET  
**DESIGN MANAGER:** CAMILLA WATSON  
**PRODUCTION DESIGNER:** JO  
**CHECKED BY:** GPD GROUP

| Revision Schedule |      |    |             |
|-------------------|------|----|-------------|
| Rev               | Date | By | Description |
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|                   |      |    |             |

**SHEET TITLE:**  
**PLUMBING WASTE & VENT PLAN**  
SCALE: AS SHOWN

**SHEET NUMBER:** P102

P102



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Akron, OH 44311  
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GPD PROJECT NO. 184-007100-282.13

BRANDON M MARZLEY  
062.066218  
*B.C.M.M.S.*  
Signature  
01/19/2024

Date  
11/30/2025  
Exp. date

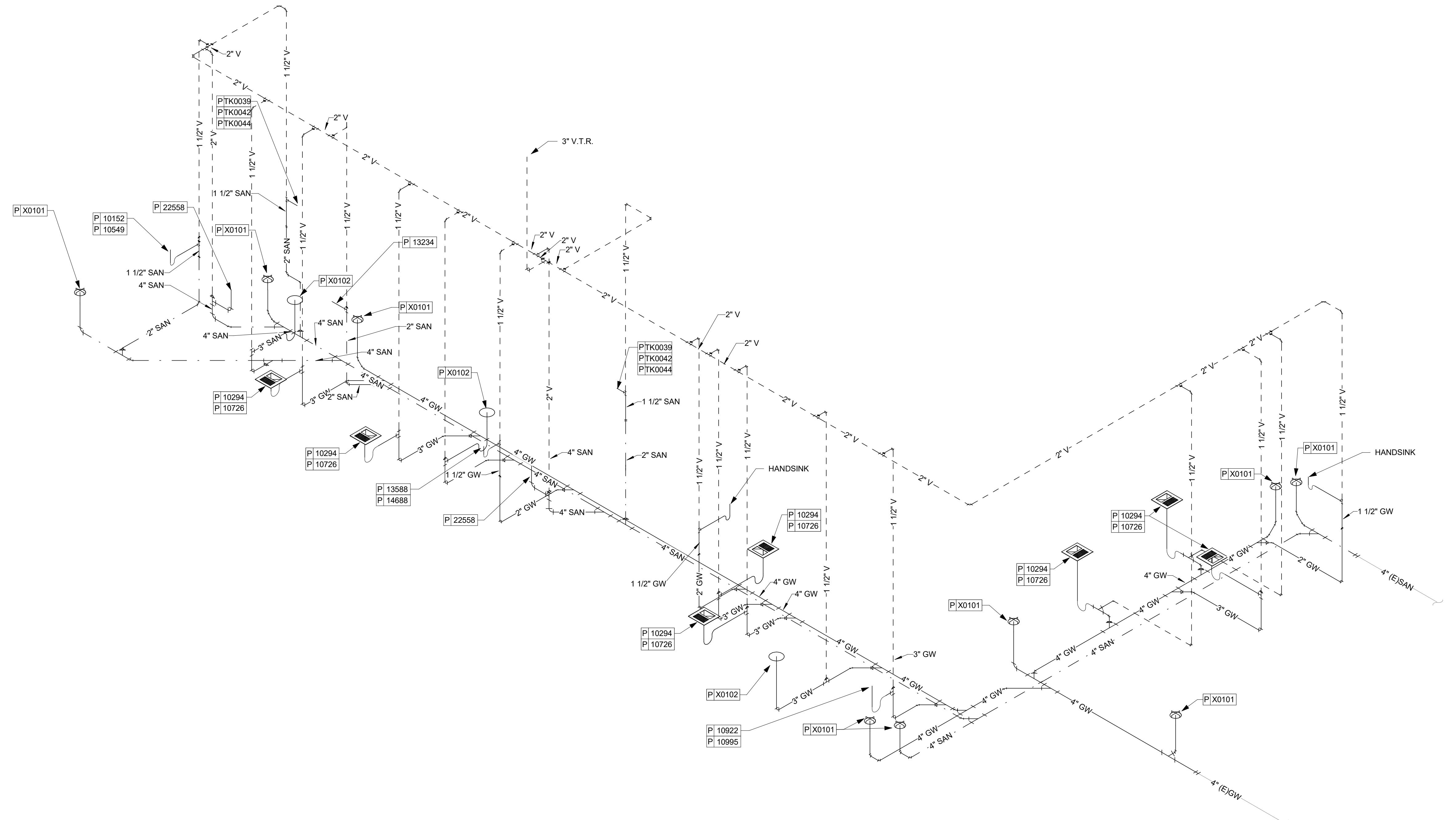
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**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**  
**CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
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|-------------------|------|----|-------------|
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SHEET TITLE:  
**PLUMBING ISOMETRIC PLAN**  
SCALE: AS SHOWN

SHEET NUMBER:  
**P103**





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GPD PROJECT NO. 2023262.13

BRANDON M. MARLEY  
062.066218  
  
STATE OF ILLINOIS  
LICENSE NUMBER  
EXPIRATION DATE  
03/07/24  
11/30/2025

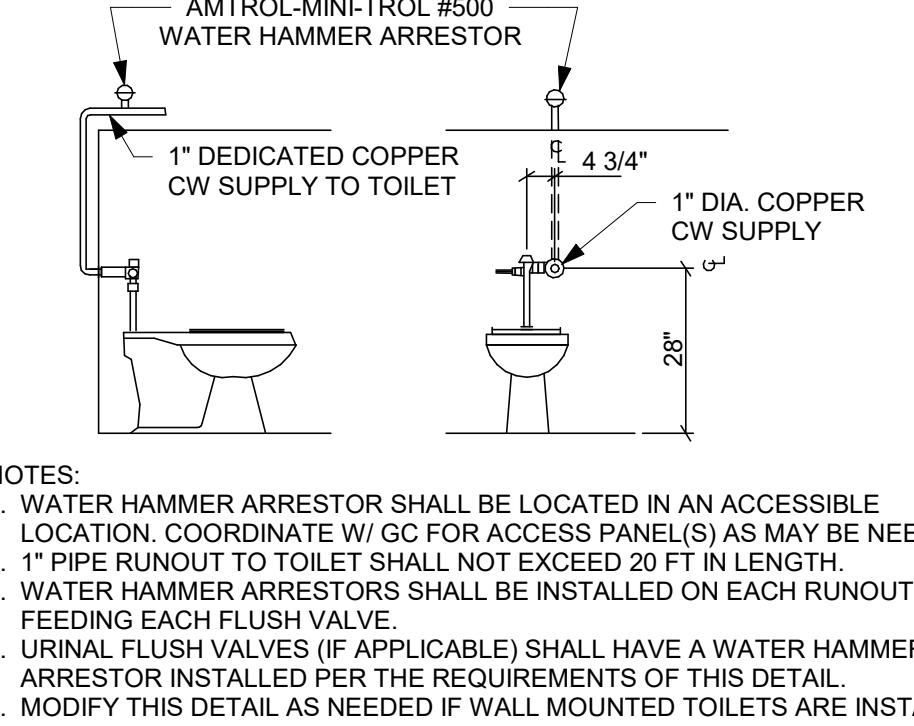
PROJECT NAME:  
**RANDALL AND ACKMAN**  
PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 3/7/24 REV 1  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

Revision Schedule

| Rev | Date   | By | Description |
|-----|--------|----|-------------|
| 1   | 3/7/24 |    | Revision 1  |
|     |        |    |             |
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SHEET TITLE:  
**PLUMBING DETAILS**  
SCALE: AS SHOWN  
SHEET NUMBER:  
P501

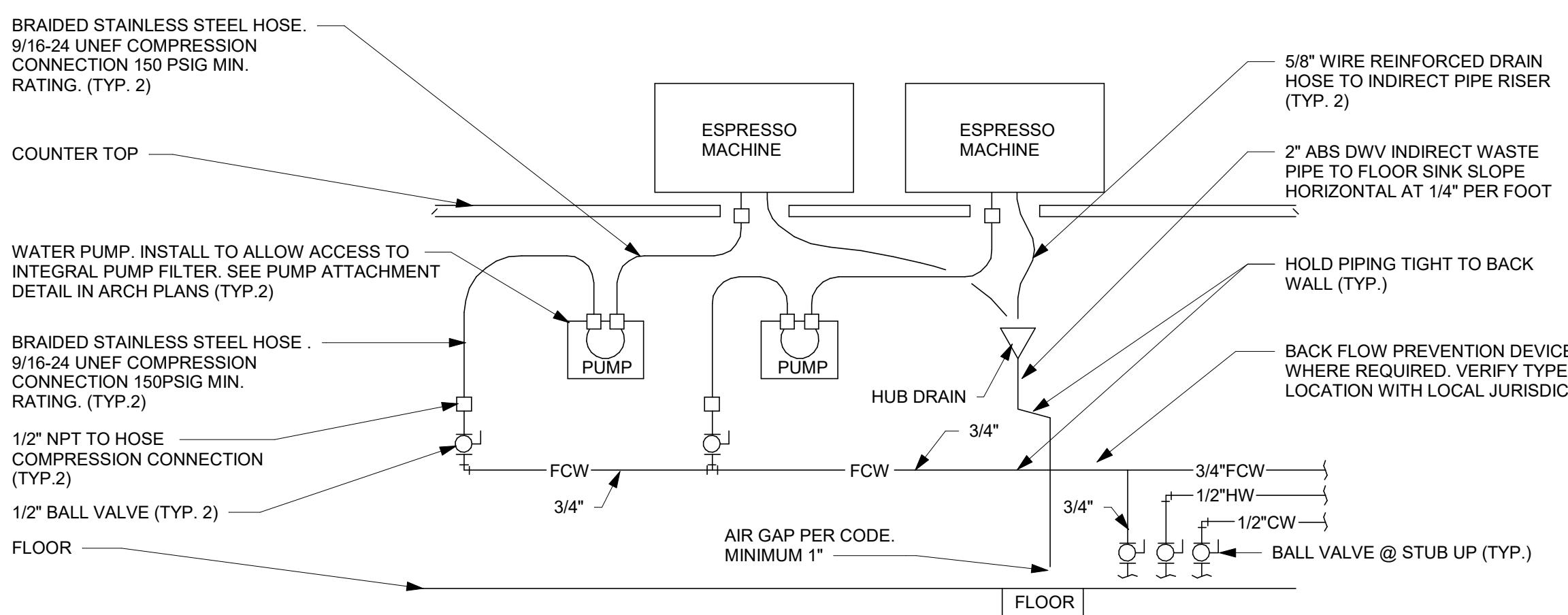


## 8 TOILET SUPPLY DETAIL

Scale: NTS

## 7 PIPE HANGER DETAIL

Scale: NTS

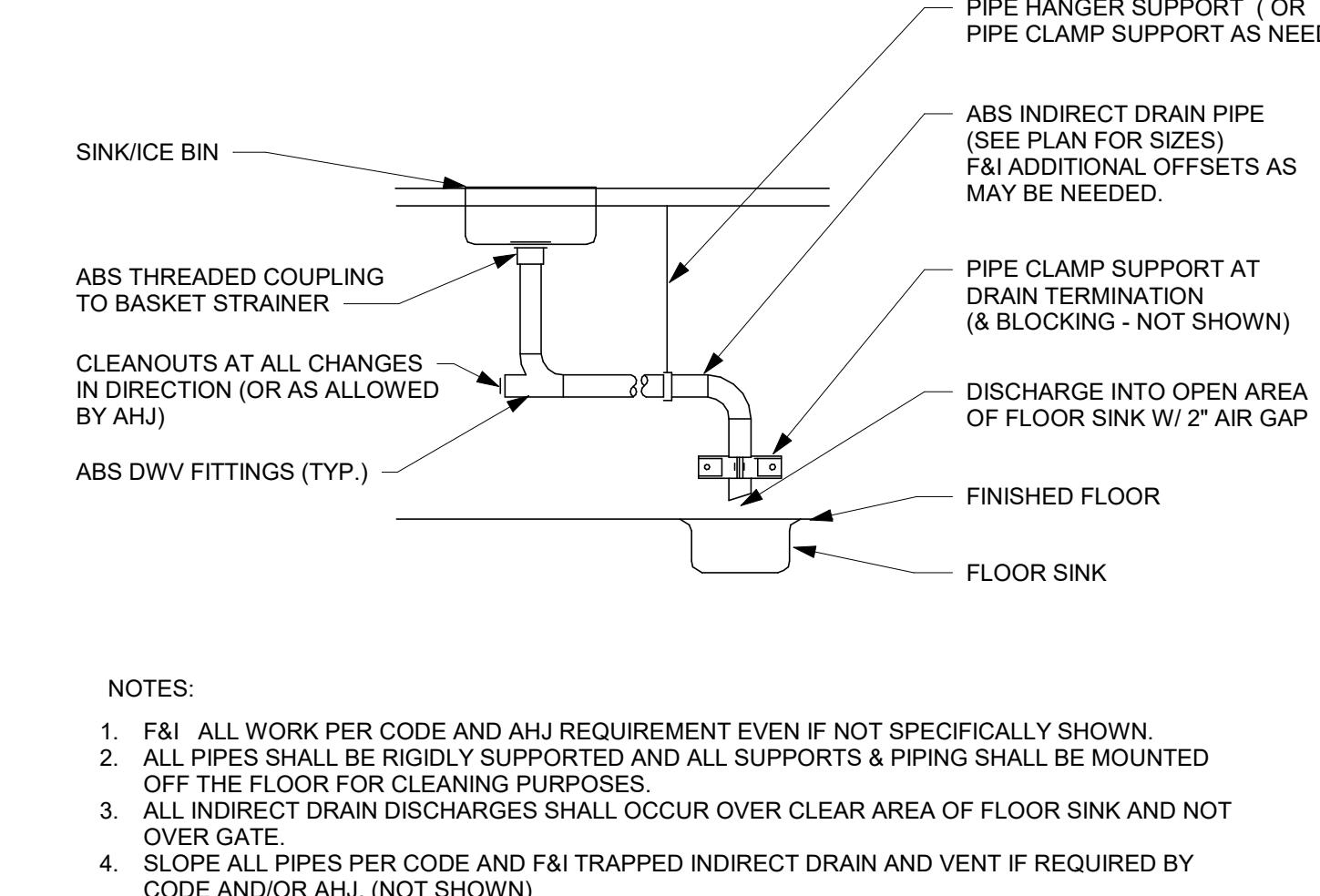


## 4 ESPRESSO MACHINE PIPING CONNECTION DETAIL

Scale: NTS

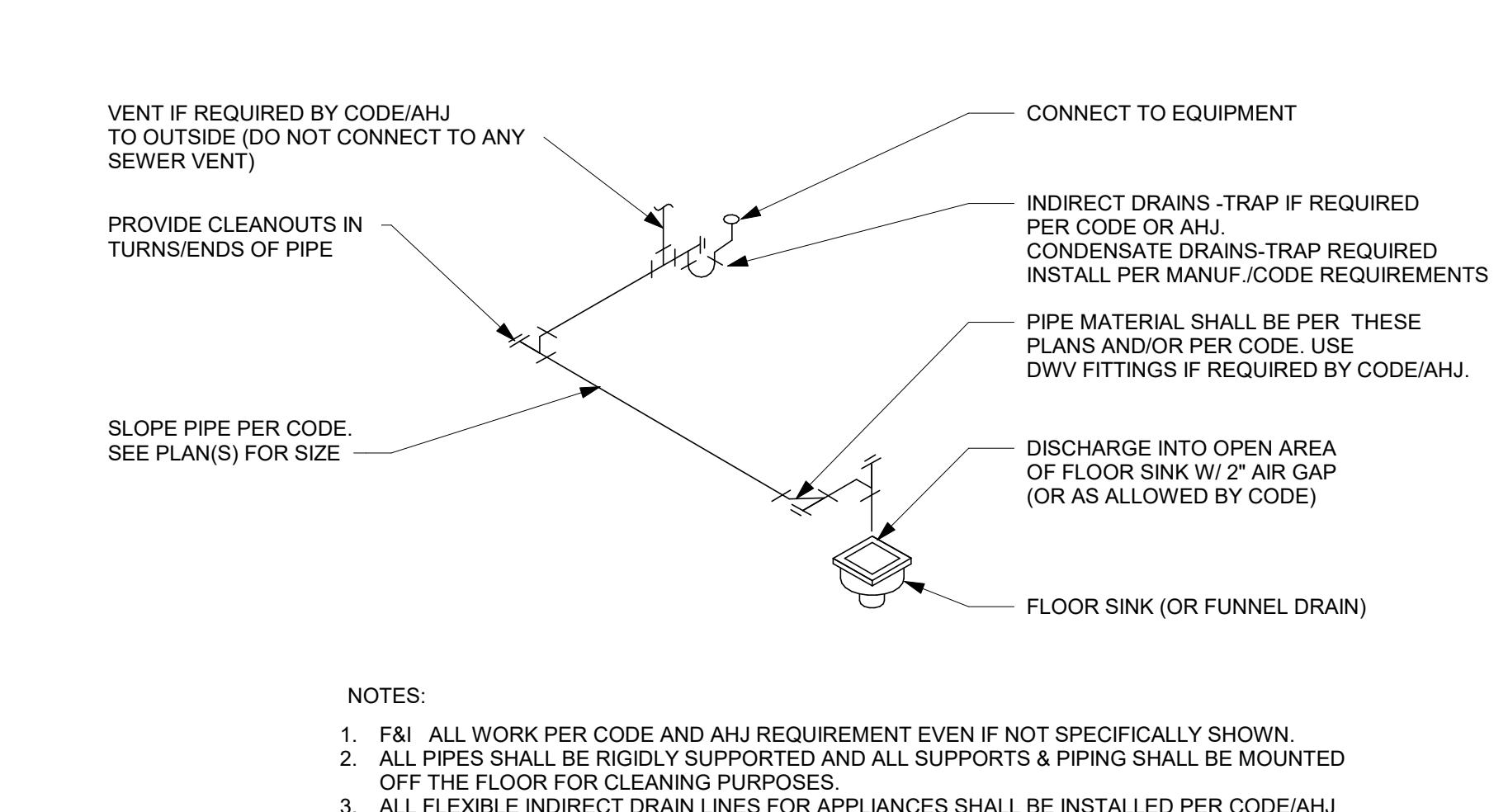
## 6 CHEMICAL SANITIZER CONNECTION SCHEMATICS

Scale: NTS



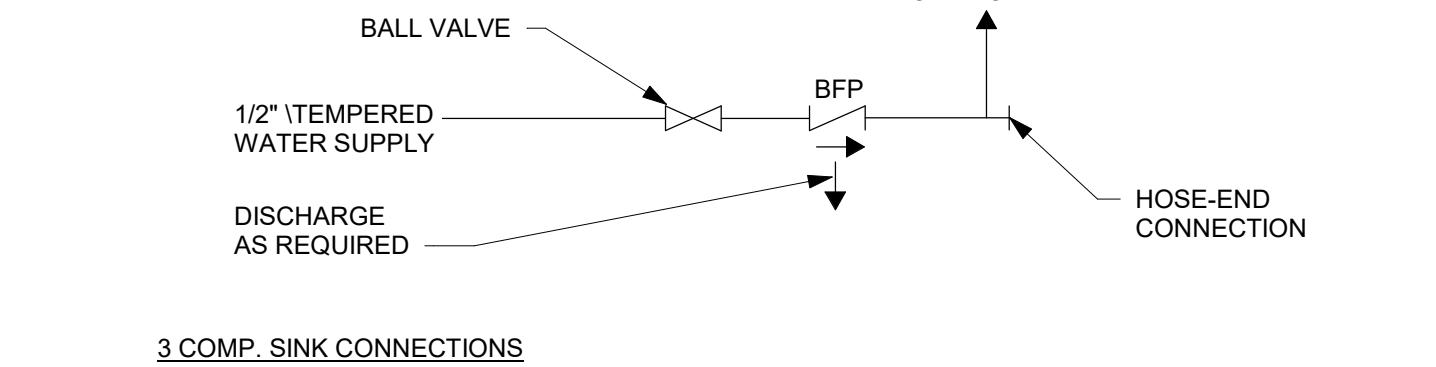
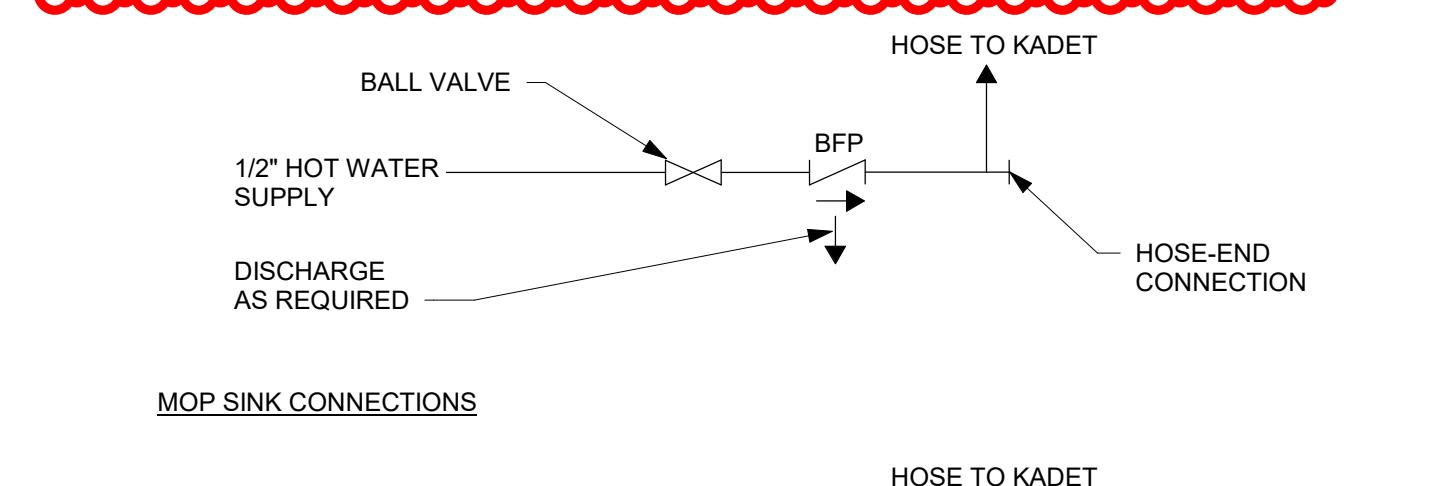
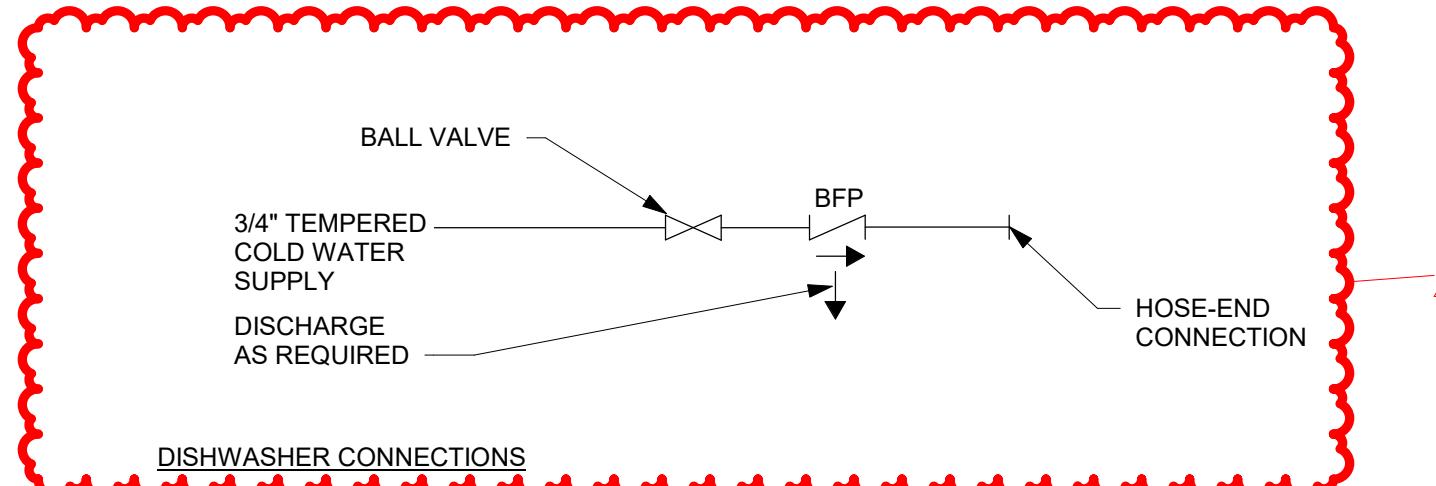
## 1 SINK INDIRECT DRAIN DETAIL

Scale: NTS



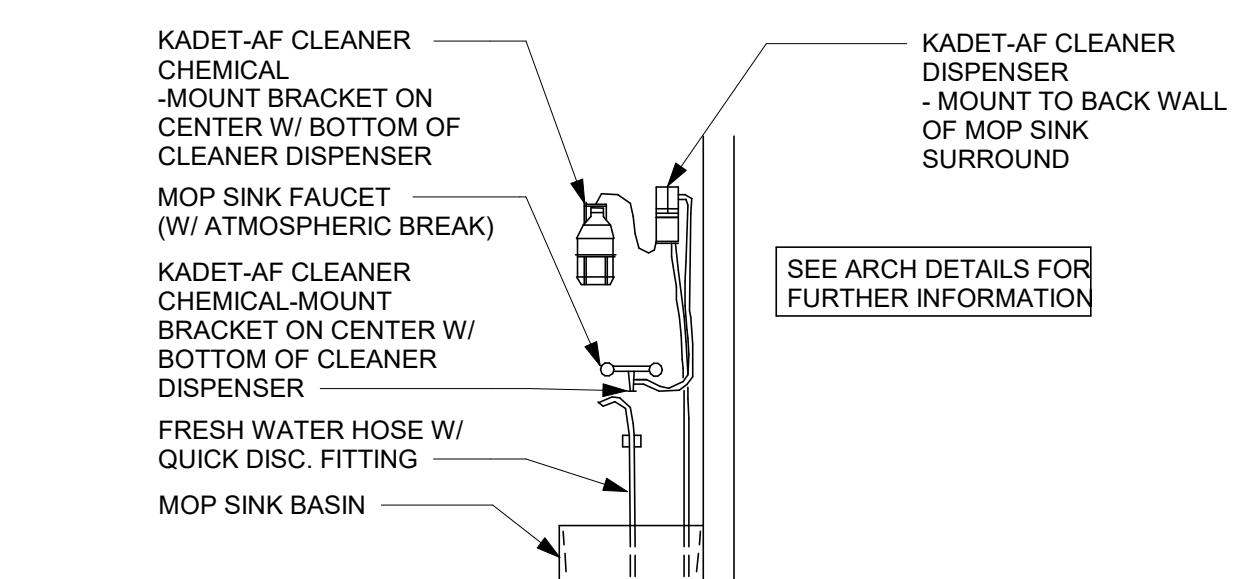
## 2 TYPICAL CONDENSATE/EQUIPMENT INDIRECT DRAIN DETAIL

Scale: NTS



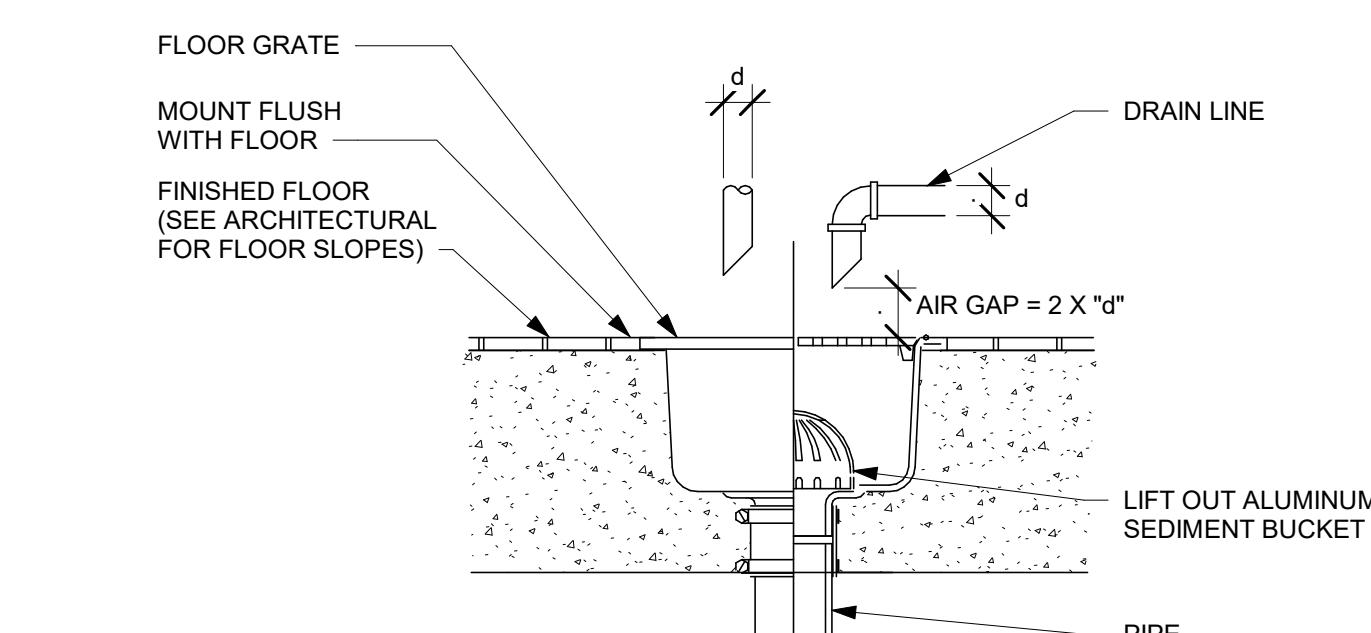
## 5 CHEMICAL MIXER DETAIL

Scale: NTS



## 3 FLOOR SINK DETAIL

Scale: NTS



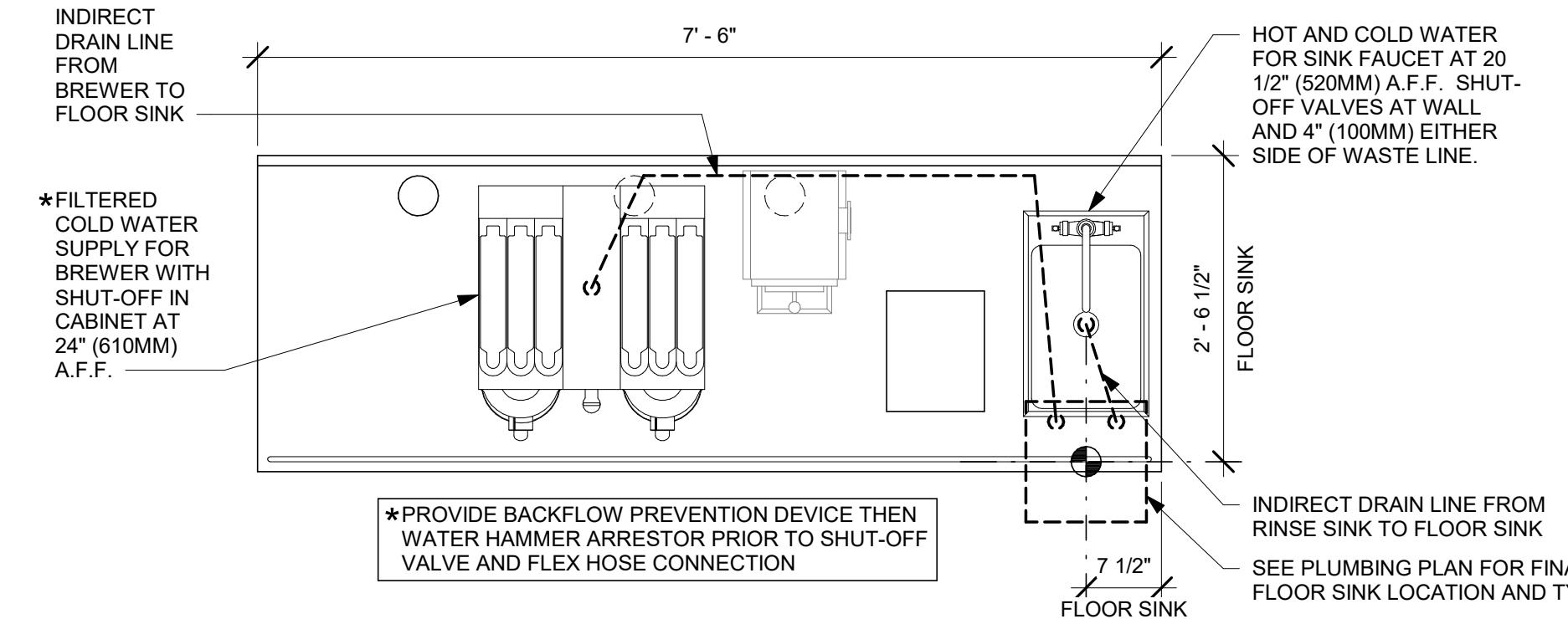
## 1 FLOOR SINK DETAIL

Scale: NTS



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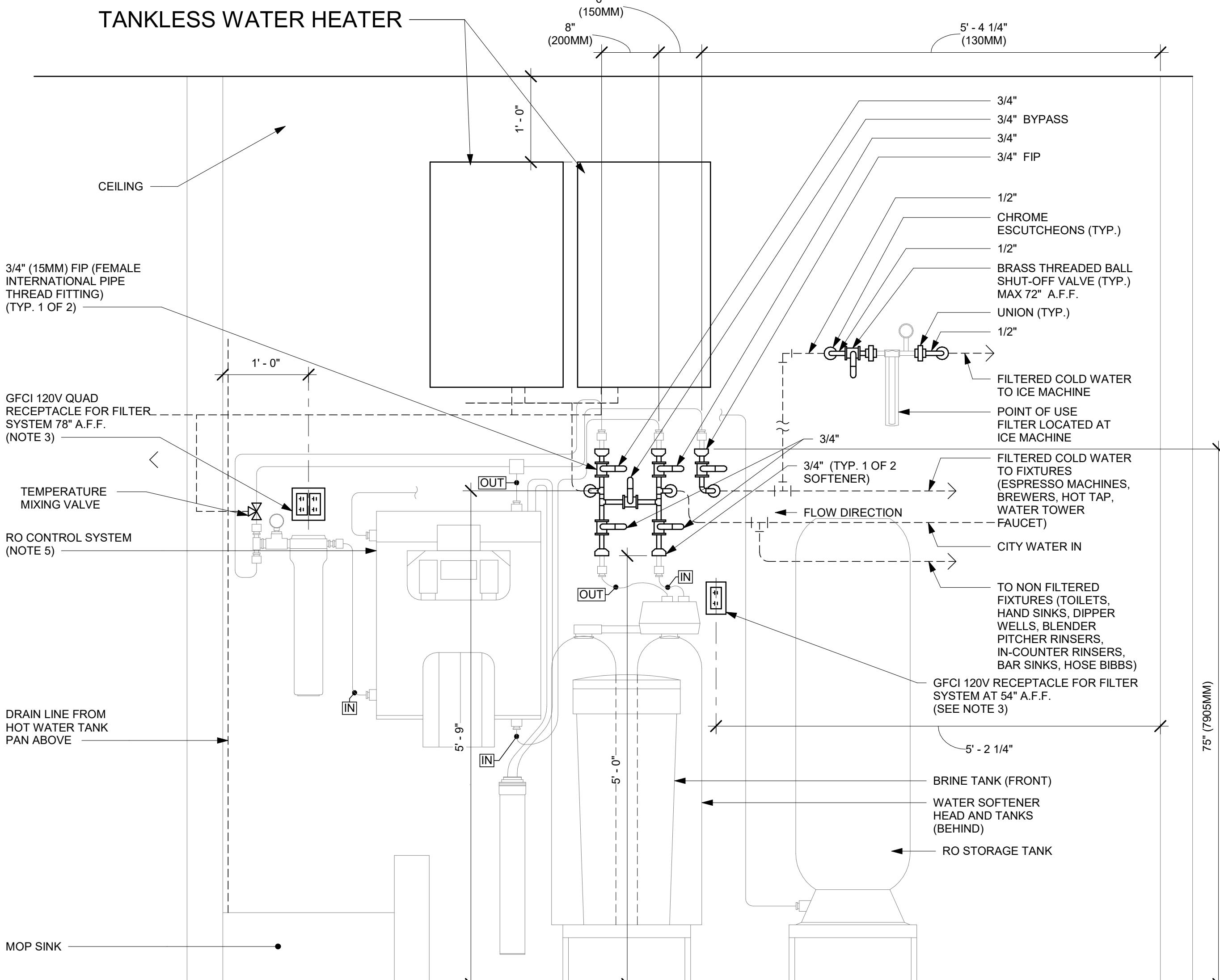
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### BRW 09-01 PLUMBING

5

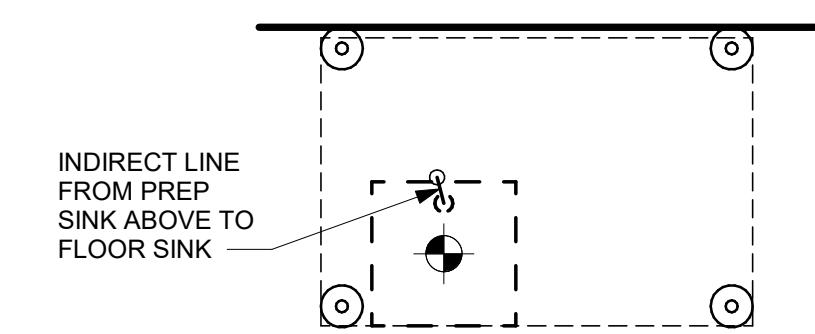
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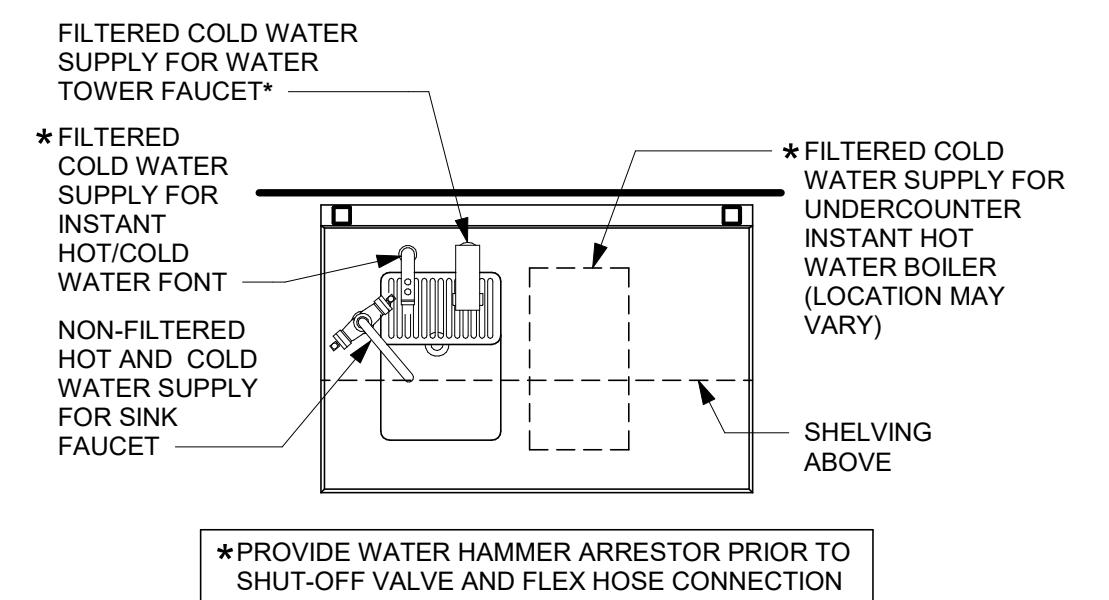
### CONFIGURATION III, RO AND SOFTENER WATER FILTRATION

1

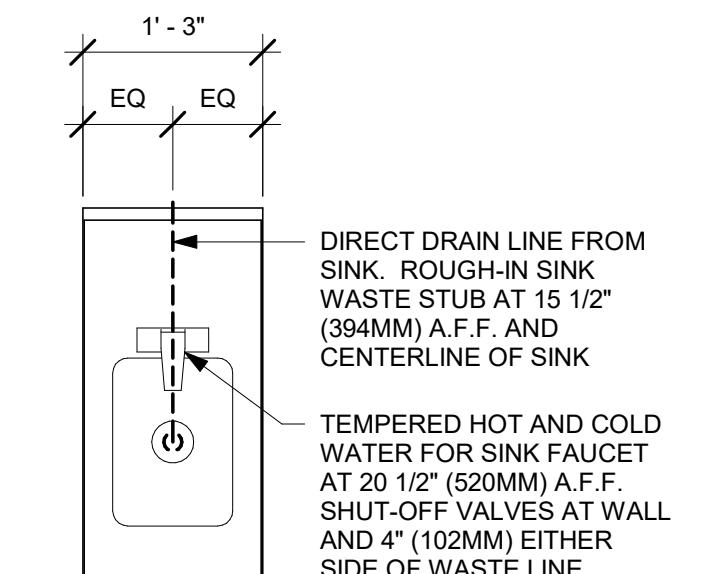
Scale: NTS



### AT FLOOR LEVEL



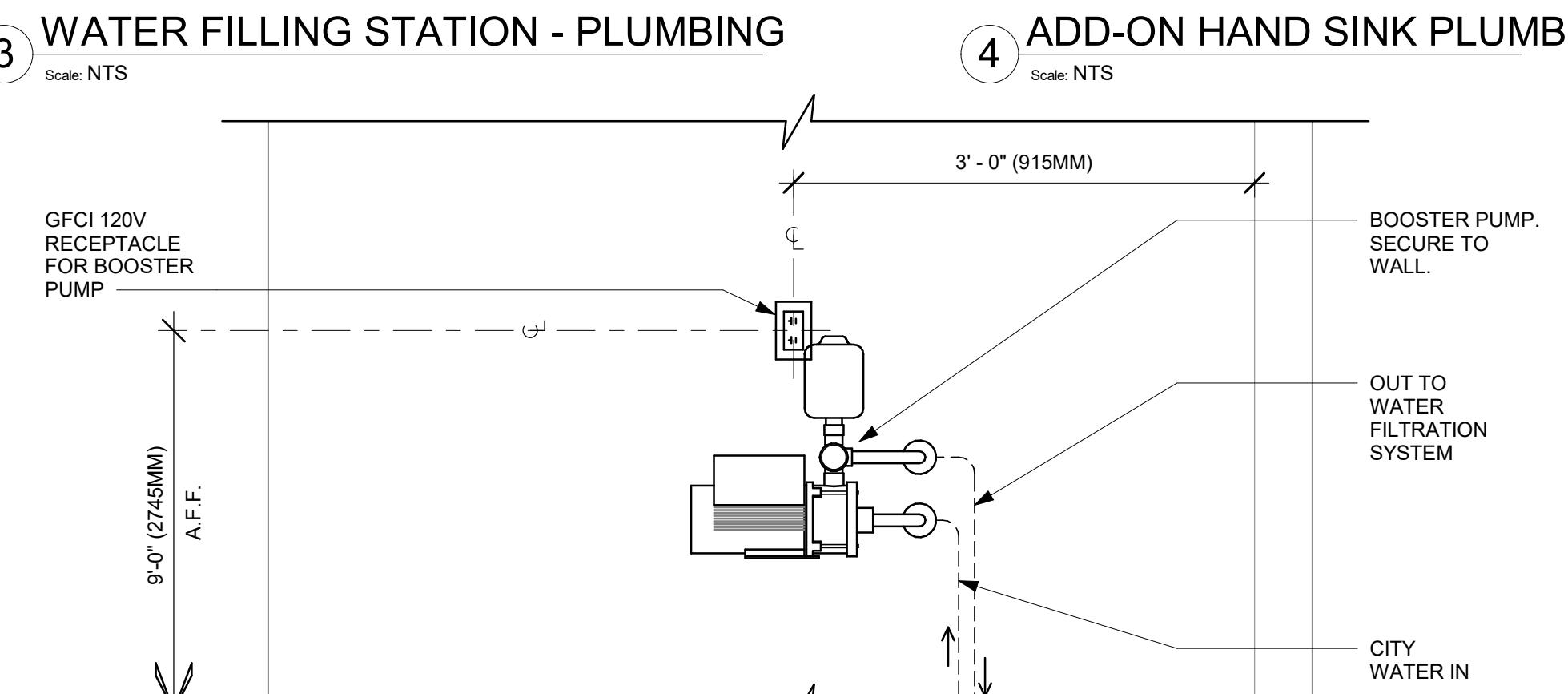
### ABOVE COUNTERTOP



### ADD-ON HAND SINK PLUMBING

4

Scale: NTS



- NOTES:
1. ALL COMPONENTS DRAWN IN BOLD ARE GC RESPONSIBILITY.
  2. ALL PIPING SHALL BE COPPER EXCEPT PEX TYPE PIPING WHICH IS ACCEPTABLE BETWEEN FILTER SYSTEM COMPONENTS AND ADVANSYS DISHWASHER WHERE ALLOWED BY CODE.
  3. POSITION BOOSTER PUMP SO THAT PRESSURE GAUGE IS READABLE AND ACCESSIBLE FOR TROUBLESHOOTING AND MAINTENANCE.
  4. BOOSTER PUMP STATIC AND DYNAMIC OUTLET PRESSURE SHALL BE BETWEEN 65 TO 70 PSI. VERIFY PER PUMPS INTEGRAL PRESSURE GAUGE.
  5. COORDINATE WITH ELECTRICAL CONTRACTOR FOR RECEPTACLES.
  6. ENSURE ALL PENETRATIONS THROUGH SURROUNDING WALLS AND CEILING ARE COMPLETELY SEALED.

### BOOSTER PUMP - PLUMBING

2

Scale: NTS

PROJECT NAME:  
**RANDALL AND ACKMAN**

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**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
CHECKED BY: GPD GROUP

### Revision Schedule

| Rev | Date | By | Description |
|-----|------|----|-------------|
|     |      |    |             |
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SHEET TITLE:  
**PLUMBING DETAILS**

SCALE: AS SHOWN

P502



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**GPD GROUP, INC.\***  
LIC. # - 184-007100

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Akron, OH 44311  
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GPD PROJECT NO. 95175-002-262.13

BRANDON M. MARZLEY  
062.066218

Signature  
01/19/2024

Date  
11/30/2025  
Exp. date

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD**

CRYSTAL LAKE, IL 60014

STORE #: 70143  
PROJECT #: 95175-002

ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
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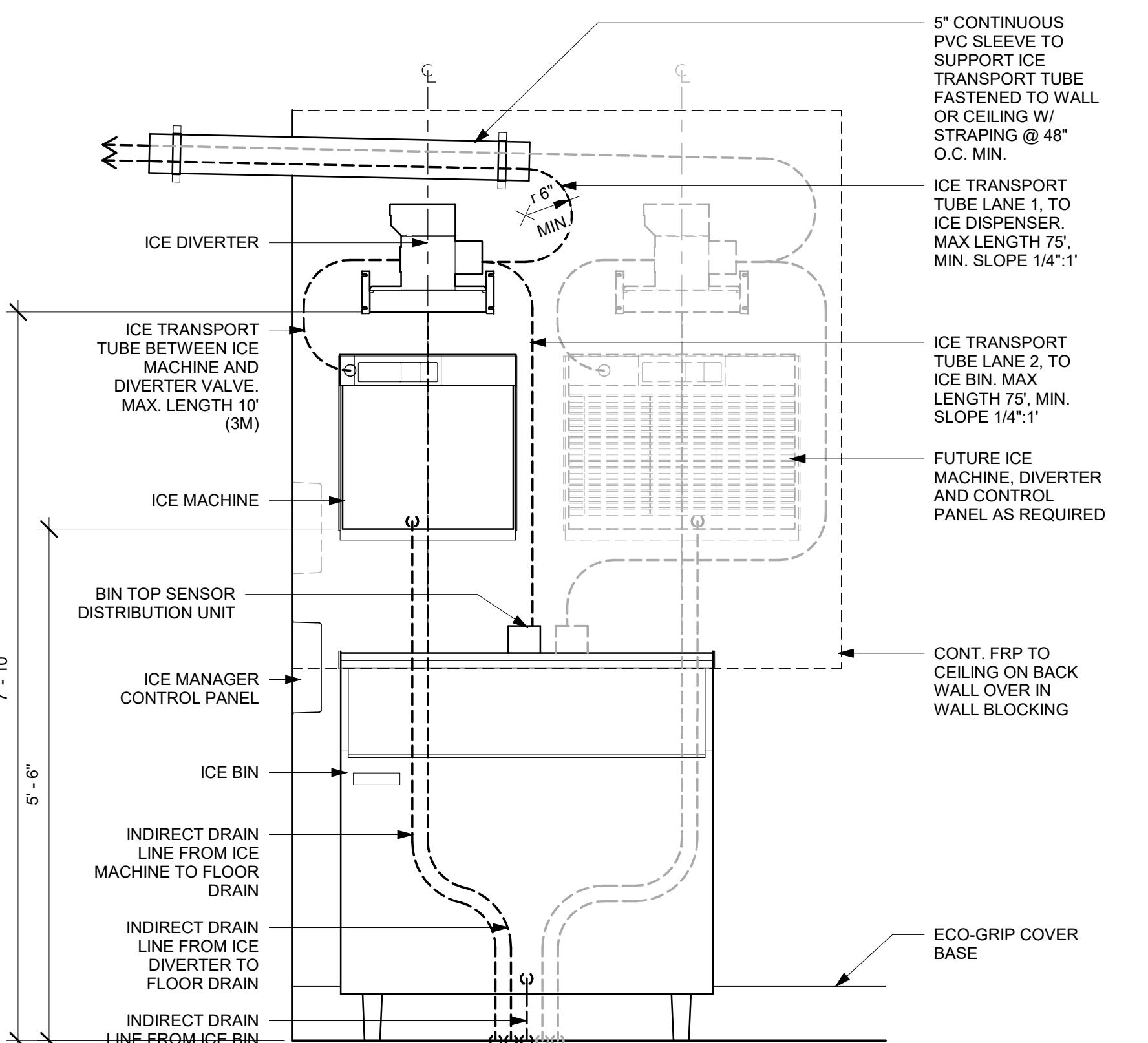
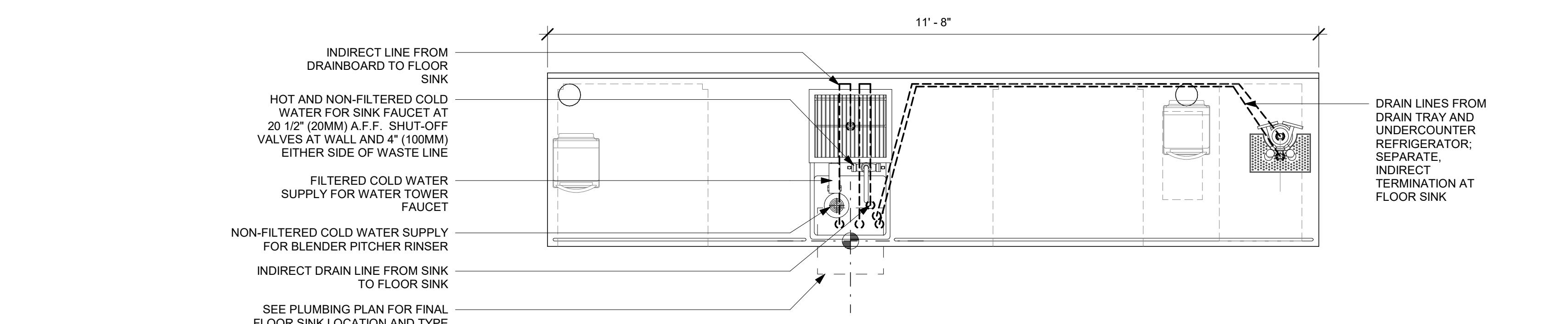
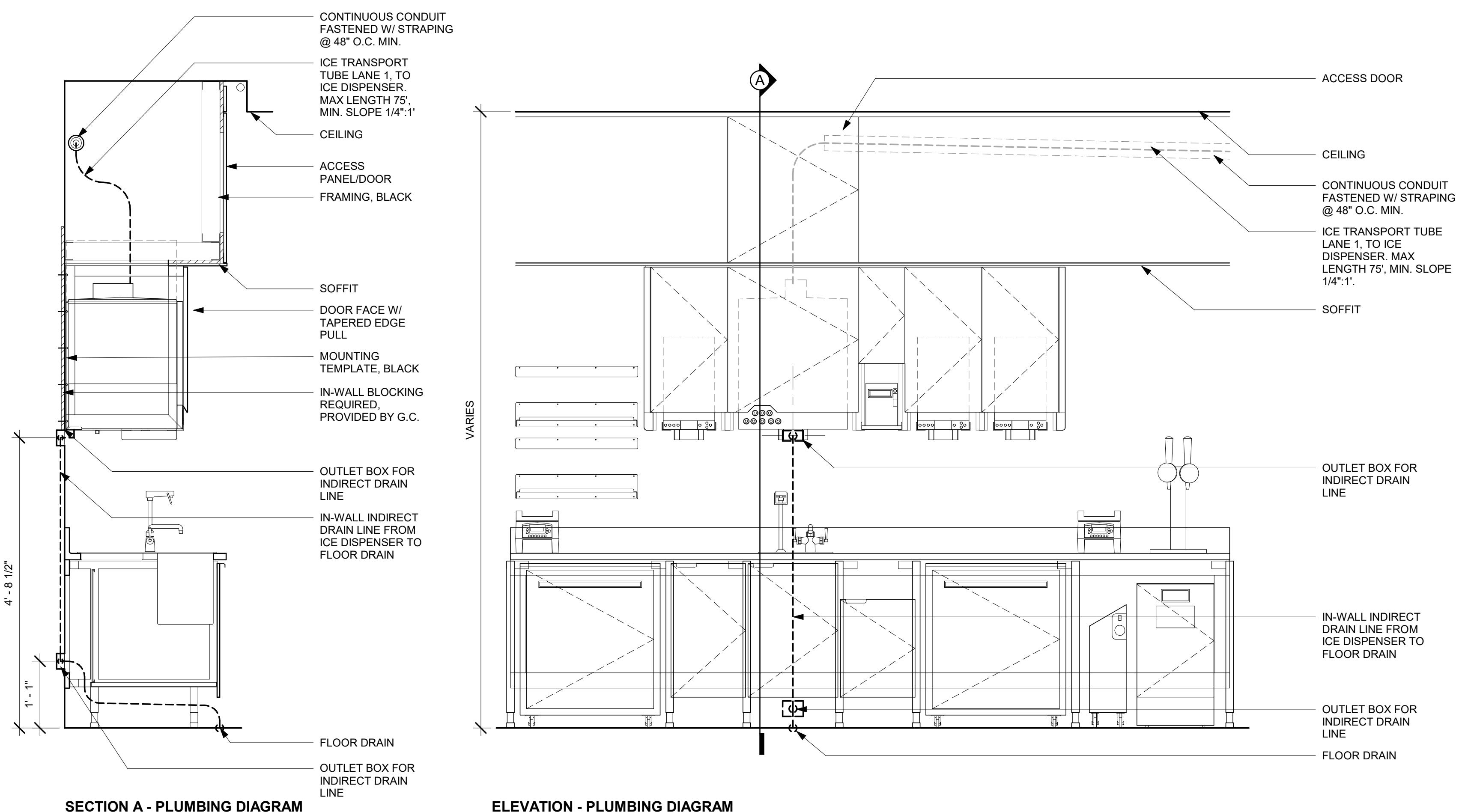
Revision Schedule

| Rev | Date | By | Description |
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SHEET TITLE:  
**PLUMBING DETAILS**

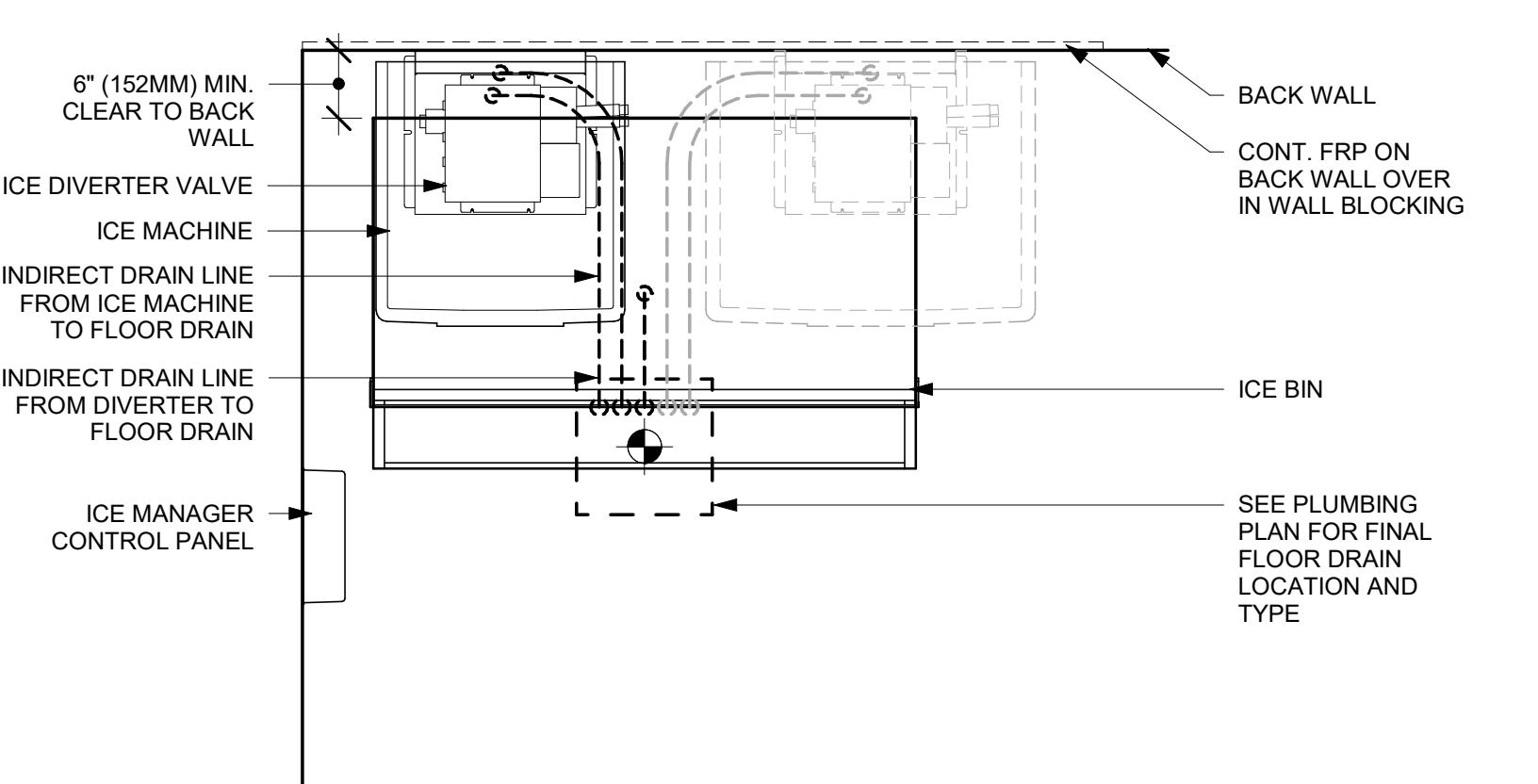
SCALE: AS SHOWN

SHEET NUMBER:  
P503



ELEVATION - PLUMBING DIAGRAM

NOTE:  
INDIRECT DRAIN MIN. RADIUS = 8"  
ICE TRANSPORT TUB MIN. RADIUS = 6"



PLAN - PLUMBING DIAGRAM

NOTE:  
INDIRECT DRAIN MIN. RADIUS = 8"  
ICE TRANSPORT TUB MIN. RADIUS = 6"



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GPD PROJECT NUMBER: 70143-2022.13

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STATE OF ILLINOIS  
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Signature  
01/19/2024

Date  
11/30/2025

Exp. date

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002  
ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
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Revision Schedule

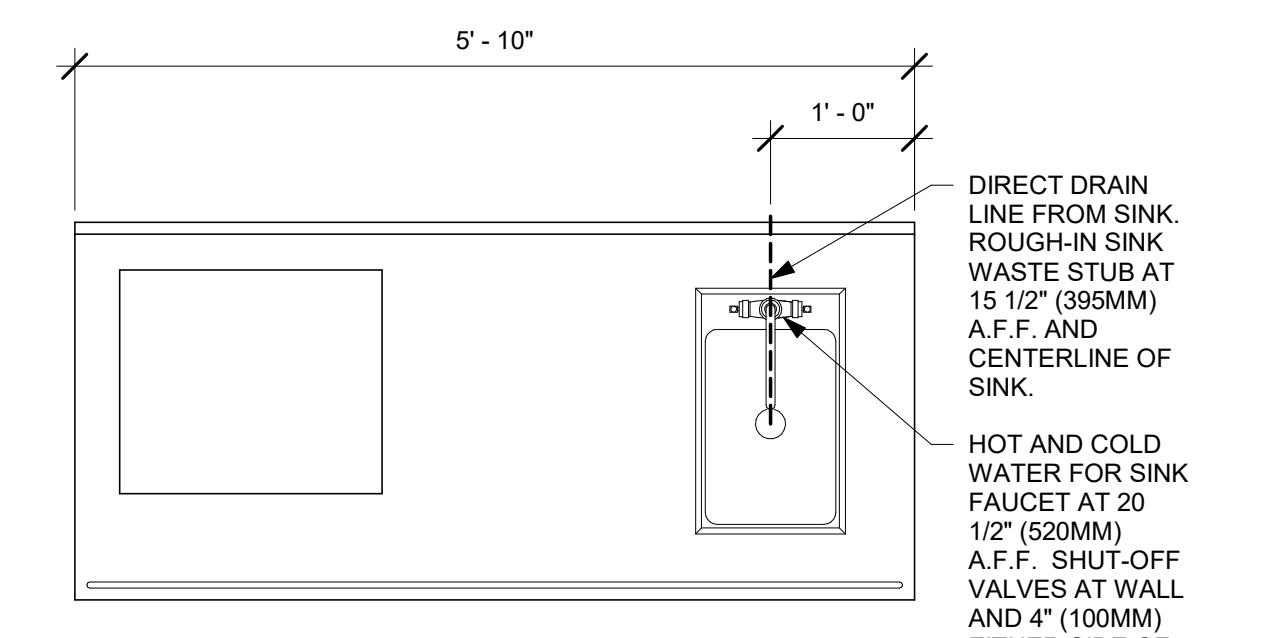
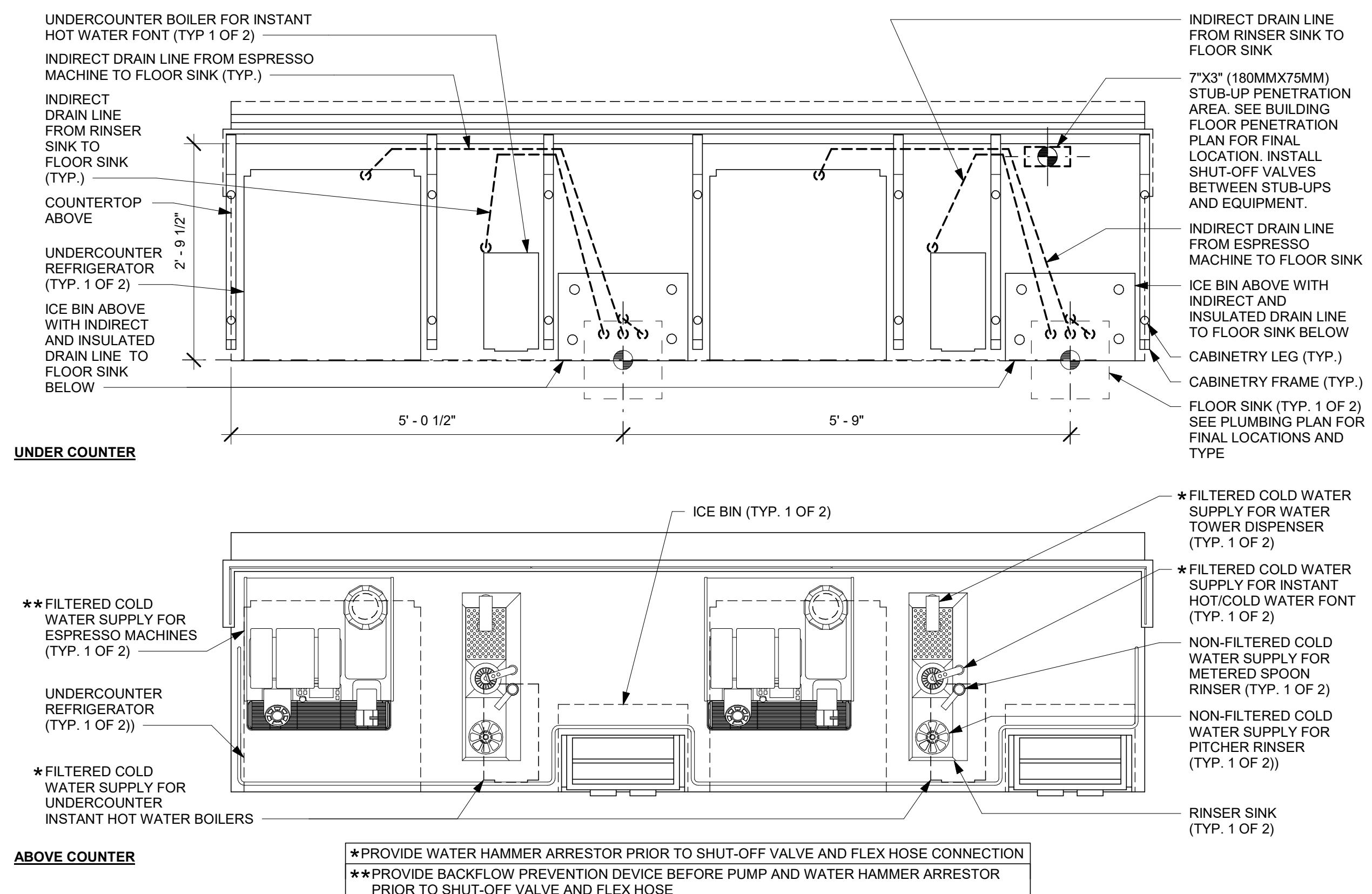
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SHEET TITLE:  
**PLUMBING DETAILS**

SCALE: AS SHOWN

SHEET NUMBER:

P504



**1** ADD-20-03 PARTNER AMENITY PLUMBING  
Scale: NTS

**2**



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GPD PROJECT NUMBER: 2023282.13



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062.066218

B.C.M.M.S.  
Signature  
01/19/2024

Date  
11/30/2025  
Exp. date

PROJECT NAME:  
**RANDALL AND ACKMAN**

PROJECT ADDRESS:  
**RANDALL RD & ACKMAN RD  
CRYSTAL LAKE, IL 60014**

STORE #: 70143  
PROJECT #: 95175-002

ISSUE DATE: 1/19/24 PERMIT SET  
DESIGN MANAGER: CAMILLA WATSON  
PRODUCTION DESIGNER: JO  
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Revision Schedule

| Rev | Date | By | Description |
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SHEET TITLE:  
**PLUMBING SCHEDULES**

SCALE: AS SHOWN

SHEET NUMBER:  
P601

| PLUMBING FIXTURE SCHEDULE - "P" |       |  |          |          |   |
|---------------------------------|-------|--|----------|----------|---|
| DESIGN ID                       | COUNT | DESCRIPTION  | FURN. BY | INST. BY | COMMENTS  |
| <b>DRAIN</b>                    |       |  |          |          |   |
| 10294                           | 7     | DRAIN - FLOOR SINK SQUARE - 12IN 305MM                       | SB       | GC       | SBUX WAREHOUSE ITEM ZURN MODEL #FD2375-NH-3, 12x12  |
| 10726                           | 7     | FLOOR SINK - GRATE HALF SQUARE - 12IN 305MM                  | SB       | GC       | SBUX WAREHOUSE ITEM ZURN MODEL #29601-003, 8 7/8 HALF GRATE   |
| X0101                           | 9     | FLOOR CLEANOUT   | GC       | GC       | ZURN ZN1400, ADJUSTABLE FLOOR CLEANOUT, NICKEL BRONZE FRAME AND COVER.  |
| X0102                           | 3     | FLOOR DRAIN  | GC       | GC       | ZURN ZA15B, ADJUSTABLE FLOOR DRAIN, 3" HUB OUTLET, NICKLE BRONZE TOP.   |
| <b>FAUCET</b>                   |       |  |          |          |   |
| 10152                           | 2     | FAUCET - DOUBLE LABORATORY WITH BENT RISER SPOUT             | SB       | GC       |   |
| 10153                           | 4     | FAUCET - WATER TOWER - 12IN 305MM                            | SB       | GC       |   |
| 10215                           | 2     | FAUCET - DOUBLE LABORATORY WITH SWING SPOUT                  | SB       | GC       |   |
| 10447                           | 1     | FAUCET - PRE RINSE SPRAYER WALL MOUNTED                      | SB       | GC       |   |
| 10597                           | 2     | FAUCET - SINGLE HANDLE                                       | SB       | GC       |   |
| 10804                           | 1     | FAUCET - PRE RINSE SWING SPOUT                               | SB       | GC       |   |
| 10922                           | 1     | FAUCET - MOP SINK WALL MOUNTED                               | SB       | GC       |   |
| 11003                           | 2     | FAUCET - METERED   | SB       | GC       |   |
| 13588                           | 1     | FAUCET - HAND SINK WALL MOUNTED                              | SB       | GC       |   |
| 22642                           | 3     | FAUCET - INSTANTHOT SYSTEM 2 BUTTON WITH BOILER AND BRACKET  | SB       | GC       | KIT INCLUDES FONT, UNDERCOUNTER BOILER AND BOILER BRACKET FOR SIDE PANEL MOUNTING. BRACKET CAN BE FLOOR MOUNTED USING SET OF (4) STAINLESS STEEL LEGS, ORDERED SEPARATELY THROUGH VENDOR.   |
| TK0042                          | 2     | FAUCET - RESTROOM BRADLEY LOOP WB1 WITH SOAP AND DRYER W1    | SB       | GC       | LVQD1-C1-EM-LIMESTONE-WB1-T-5-P C-L-TI-HD1-DR1-STAIN-E-CL-POLY. SHIPS IN 4 WEEKS; VENDOR DIRECT BY BRADLEY CORP. CONTACT: DENNIS: KOOLHAAS@BRADLEYCCRP.COM FINISH- LIMESTONE.   |
| <b>FILTER</b>                   |       |  |          |          |   |
| 12501                           | 1     | FILTER - RO SYSTEM 600GPD                                    | SB       | GC       |   |
| 12507                           | 1     | FILTER - RO SYSTEM STORAGE TANK RO40                         | SB       | GC       |   |
| 12896                           | 1     | FILTER - BRINE TANK  | SB       | GC       |   |
| 12899                           | 2     | FILTER - POLY GLASS VESSEL                                   | SB       | GC       |   |
| 13076                           | 1     | FILTER - PREFILTRATION SYSTEM                                | SB       | GC       |   |
| 13082                           | 1     | FILTER - WATER SOFTENER TWIN                                 | SB       | GC       |   |
| 23355                           | 1     | FILTER - FILTRATION BOOSTER PUMP                             | SB       | GC       | GC TO COORDINATE WITH SB VENDOR.  |
| <b>OTHER</b>                    |       |  |          |          |   |
| 22222                           | 2     | WATER HEATER ON DEMAND GAS - 199K BTU                        | SB       | GC       |   |
| TK0044                          | 2     | RESTROOM BRADLEY ENCLOSED ACCESS PANEL SINGLE SINK           | GC       | GC       | LVQD1-C1-EM-LIMESTONE-WB1-T-5-P C-L-TI-HD1-DR1-STAIN-E-CL-POLY. SHIPS IN 4 WEEKS; VENDOR DIRECT BY BRADLEY CORP. CONTACT: DENNIS: KOOLHAAS@BRADLEYCCRP.COM FINISH- LIMESTONE.   |
| X0103                           | 1     | RECIRCULATING PUMP   | SB       | GC       | BELL AND GOSSET MODEL NBF-18S, 120V, 100 WATT, WITH AQUASTAT  |
| <b>SINK</b>                     |       |  |          |          |   |
| 10549                           | 2     | SINK - RINSE DROP IN SST - 12X20IN 305X510MM                 | SB       | GC       |   |
| 10995                           | 1     | SINK - MOP - 24X24IN 610X610MM                               | SB       | GC       |   |
| 13700                           | 1     | SINK - 3 COMP WORK SST - 105IN 2665MM                        | SB       | GC       |   |
| 14688                           | 1     | SINK - HAND WITH SIDE SPLASH WALL MOUNTED SST                | SB       | GC       |   |
| 17565                           | 1     | SINK - RINSE WITH DRAINEBOARD - 15X27IN 380X685MM            | SB       | GC       |   |
| 18743                           | 1     | SINK - WATER FILLING STATION - 36X24IN 915X610MM             | SB       | GC       |   |
| 22768                           | 2     | SINK - COUNTERTOP RINSER WITH WATER TOWER - 26X9IN 660X235MM | SB       | GC       |   |
| TK0039                          | 2     | SINK - RESTROOM BRADLEY - WALL MOUNTED LVQD1                 | SB       | GC       | LVQD1-C1-EM-LIMESTONE-WB1-T-5-P C-L-TI-HD1-DR1-STAIN-E-CL-POLY. SHIPS IN 4 WEEKS; VENDOR DIRECT BY BRADLEY CORP. CONTACT: DENNIS: KOOLHAAS@BRADLEYCCRP.COM FINISH- LIMESTONE.   |
| <b>TOILET</b>                   |       |  |          |          |   |
| 13234                           | 1     | URINAL AUTOMATIC FLUSH                                       | GC       | GC       | WC TO BE PURCHASED THROUGH FERGUSON: NA.PROJECTS@FERGUSON.COM   |
| 22558                           | 2     | TOILET - TANKLESS AUTOMATIC SINGLE FLUSH                     | GC       | GC       | ZURN MODEL #Z5665-BWL1, HET ELONGATED, ADA HEIGHT, FLOOR MOUNTED ECOVANTAGE FLUSH VALVE TOILET, VITREOUS CHINA, WHITE, PROVIDE WITH ZURN MODEL #ZTR6200EV-L1.128 GPF SENSOR OPERATED WATER CLOSET FLUSH VALVE AND PROFLO MODEL #PFTSC0FE2000WH ELONGATED COMMERCIAL TOILET SEAT, WHITE. |