

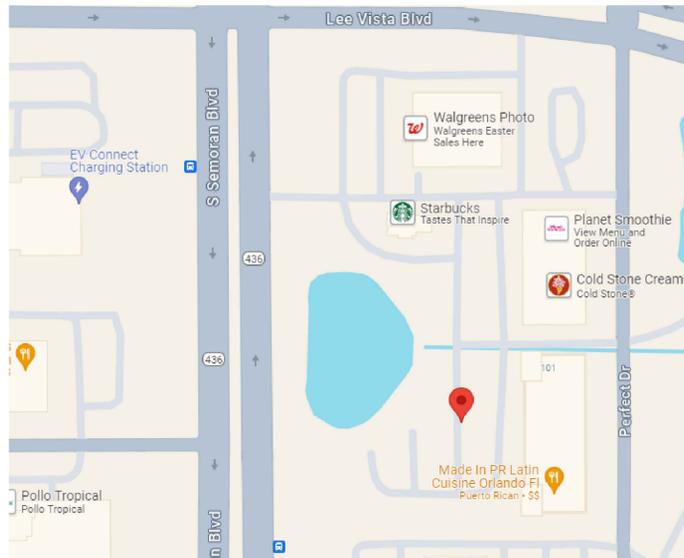
Trulieve Dispensary - Orlando, FL

Commercial Dispensary Fit-Out

6667 Semoran Blvd. Unit 2

Orlando, FL 32822

ARCHITECT
COLWELL GROUP, INC
PROJECT MANAGER : MADISON HILL
EMAIL: MADISON@COLWELLGROUP.COM
PHONE: 508-241-2122
ADDRESS: 132 CENTRAL STREET, SUITE 203
FOXBOROUGH, MA 02035



SITE LOCATION

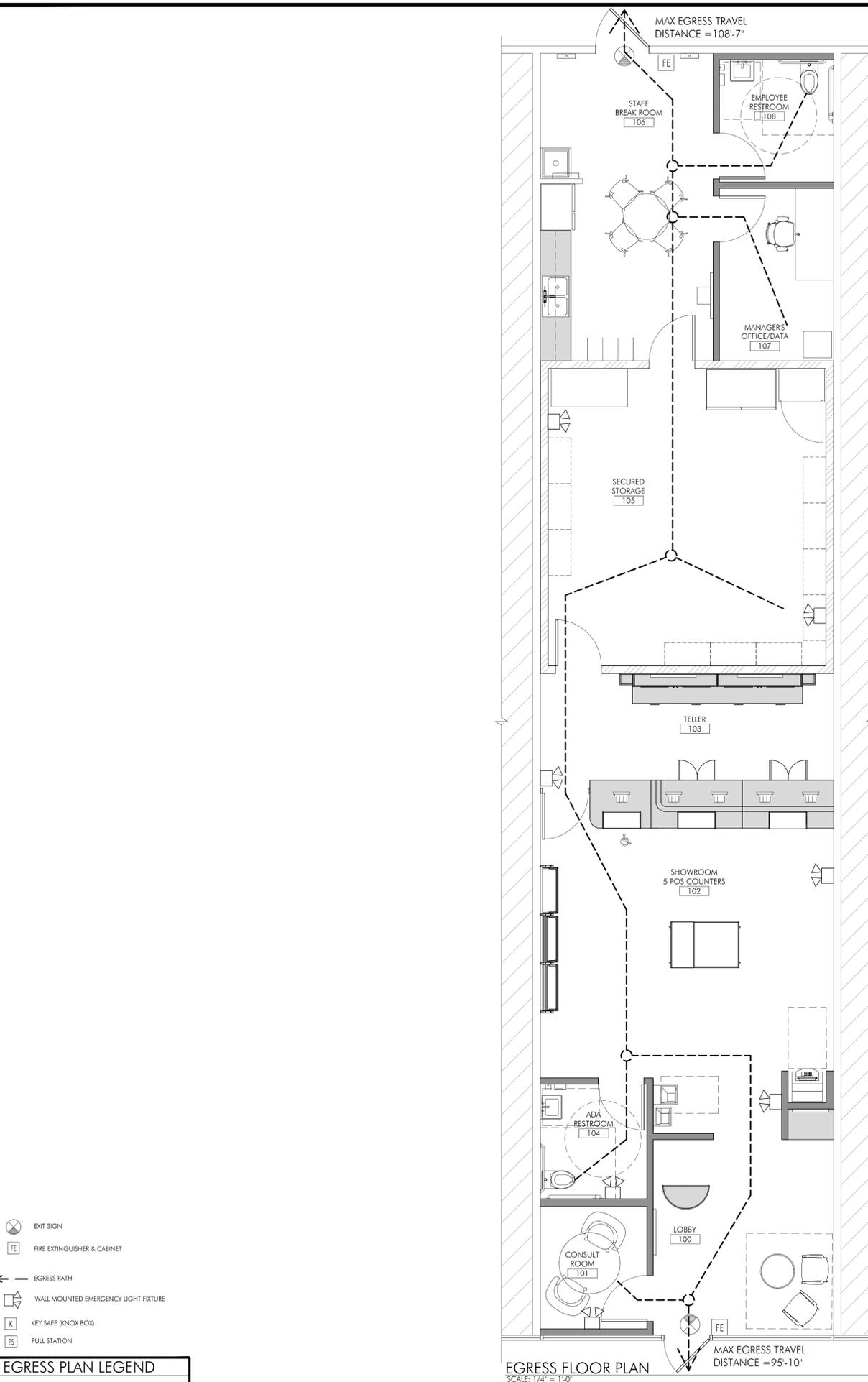


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GROUP

132 CENTRAL STREET, SUITE 203, FOXBOROUGH, MA 02035
P. 508-241-2122 F. 508-455-4466 WWW.COLWELLGROUP.COM



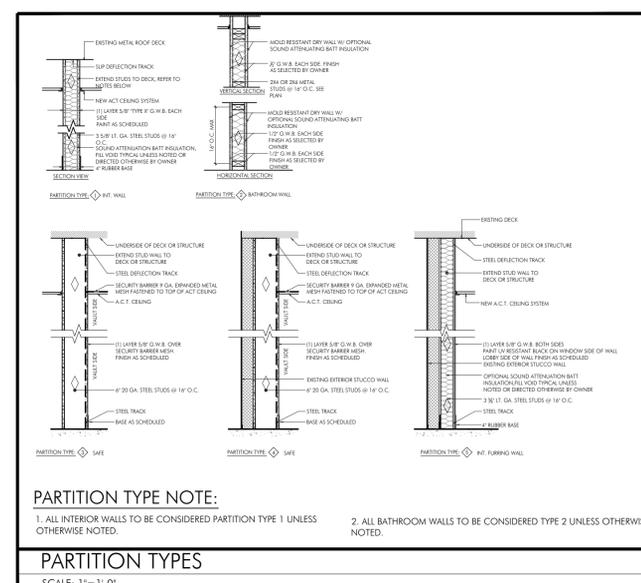
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EGRESS PLAN LEGEND

- EXIT SIGN
- FIRE EXTINGUISHER & CABINET
- EGRESS PATH
- WALL MOUNTED EMERGENCY LIGHT FIXTURE
- KEY SAFE (KNOCK BOX)
- PULL STATION

EGRESS FLOOR PLAN
SCALE: 1/4" = 1'-0"



PARTITION TYPE NOTE:
1. ALL INTERIOR WALLS TO BE CONSIDERED PARTITION TYPE 1 UNLESS OTHERWISE NOTED.
2. ALL BATHROOM WALLS TO BE CONSIDERED TYPE 2 UNLESS OTHERWISE NOTED.
PARTITION TYPES
SCALE: 1" = 1'-0"

TRULIEVE DISPENSARY - CODE ANALYSIS
6667 SEMORAN BLVD, UNIT 102
ORLANDO, FL 32822

CODE SUMMARY:
PROJECT DESCRIPTION: AREA INCLUDED WITHIN SCOPE IS 1,612 SF OF M-MERCANTILE USE.

APPLICABLE CODES USED FOR ANALYSIS:
8TH EDITION OF THE FLORIDA STATE BUILDING CODE:
2023 FLORIDA EXISTING BUILDING CODE (2021 IBC W/ AMENDMENTS)
2023 FLORIDA BUILDING CODE (2021 IBC W/ AMENDMENTS)
8TH EDITION OF THE FLORIDA STATE PLUMBING CODE:
2023 FLORIDA BUILDING CODE - PLUMBING

USE GROUP (02.1): 309.1 M - MERCANTILE
CONSTRUCTION CLASSIFICATION (60): 2B
GROSS TENANT/ BUILDING AREA: 1,612 SF
SPRINKLER SYSTEM YES ___ X ___ NO ___
FIRE ALARM SYSTEM: ADDRESSABLE ___ X ___ LOCAL ___

OCCUPANT LOAD (1004.1.2):
FIRST FLOOR:
MERCANTILE: 717 SF / 60 SF = 12 OCCUPANTS 60 GROSS SF PER OCCUPANT
OFFICE: 140 SF / 150 SF = 1 OCCUPANT 150 GROSS SF PER OCCUPANT
ASSEMBLY (UNCONCENTRATED): 79 SF / 15 SF = 6 OCCUPANTS 15 NET SF PER OCCUPANT
STORAGE: 354 SF / 300 SF = 2 OCCUPANTS 300 GROSS SF PER OCCUPANT
TOTAL: 21 OCCUPANTS

EGRESS SUMMARY:
NUMBER OF REQUIRED EXITS: IBC 1006.3.1 PROVIDED: 2
EXIT REMOTENESS: IBC 1007.1.1 PROVIDED: 86'-11"/3 = 28'-9" 83'-9"=86'-11"
MINIMUM REQUIRED WIDTH: IBC 1005.3 PROVIDED: 21(15)=3.15' 68"
MAXIMUM COMMON PATH OF TRAVEL: IBC 1006.2.1 PROVIDED: 75' N/A
MAXIMUM TRAVEL DISTANCE: IBC 1017.2 PROVIDED: 250' 44'-10"
MINIMUM CORRIDOR WIDTH: IBC 1020.2 PROVIDED: 36" N/A
MAXIMUM DEAD END: IBC 1020.5 PROVIDED: 50' N/A

RELEVANT CODES:
601 (IBC) CLASSIFICATION OF WORK
605 (IBC) CHANGE OF USE
CHANGES OF OCCUPANCY SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 10.
1001.2.2 (IBC) CHANGE OF OCCUPANCY CLASSIFICATION OR GROUP
WHERE THE OCCUPANCY CLASSIFICATION OF A BUILDING CHANGES, THE PROVISIONS OF SECTIONS 1002 THROUGH 1012 SHALL APPLY. THIS INCLUDES A CHANGE OF OCCUPANCY CLASSIFICATION AND A CHANGE TO ANOTHER GROUP WITHIN AN OCCUPANCY CLASSIFICATION.

TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE
M - MERCANTILE USE
FACTOR: 5
TYPE 2B NON-SPRINKLERED
MAX HEIGHT: 75'-0' ACTUAL MAX HEIGHT: 23'-6" +/- COMPLIES

TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE
M - MERCANTILE USE
FACTOR: 5
TYPE 2B SPRINKLERED
MAX STORIES: 3 ACTUAL STORIES: 1 COMPLIES

TABLE 504.2 ALLOWABLE AREA FACTOR
M - MERCANTILE USE
FACTOR: 5
TYPE 2B SPRINKLERED
MAX AREA: 50,000 SF ACTUAL AREA: 1,612 SF COMPLIES

TABLE 601 FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
CONSTRUCTION TYPE 2B
BEARING:
EXTERIOR: 0 HOUR
INTERIOR: 0 HOUR
NON-BEARING:
EXTERIOR: 0 HOUR
INTERIOR: 0 HOUR
FLOOR CONSTRUCTION: 0 HOUR

903.2.7 GROUP M AUTOMATIC SPRINKLER REQUIREMENTS
GROUP M FIRE AREA EXCEEDS 12,000 SF
SPRINKLERS PROVIDED COMPLIES

907.2.4 GROUP F FIRE ALARM & DETECTION REQUIREMENTS
MANUAL FIRE ALARM SYSTEM PROVIDED COMPLIES

1003.2 CEILING HEIGHT
MINIMUM HEIGHT: 7'-6" ACTUAL HEIGHT: 8'-0" +/- COMPLIES

1010.1.1 SIZE OF DOORS
MINIMUM CLEAR WIDTH 32" ACTUAL CLEAR WIDTH: 32"
MINIMUM HEIGHT 80" ACTUAL HEIGHT: 84" COMPLIES

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1):
BUILDING CLASSIFICATION: MERCANTILE
TOILETS: 1 PER 500
LAVATORIES: 1 PER 750
DRINKING FOUNTAINS: 1 PER 1000
SERVICE SINKS: 1

TOTAL OCCUPANCY = 21 OCCUPANTS

REQUIRED FIXTURES:	REQUIRED	PROVIDED
TOILETS:		
T1 FEMALE OCCUPANTS/500 =	1 TOILET	1 TOILET
T1 MALE OCCUPANTS/500 =	1 TOILET	1 TOILET
LAVATORIES:		
L1 FEMALE OCCUPANTS/750 =	1 LAV	1 LAV
L1 MALE OCCUPANTS/750 =	1 LAV	1 LAV
SANITARY SINK =	1 SINK	1 SINK
DRINKING FOUNTAIN =	1 DF	3 TOTAL (1 H-L0 AND 1 WATER DISPENSER)

2902.2 SEPARATE FACILITIES
WHERE PLUMBING FIXTURES ARE REQUIRED, SEPARATE FACILITIES SHALL BE PROVIDED FOR EACH SEX.

EXCEPTIONS:
3. SEPARATE FACILITIES SHALL NOT BE REQUIRED IN MERCANTILE OCCUPANCIES IN WHICH THE MAXIMUM OCCUPANT LOAD IS 100 OR FEWER.

2902.3 EMPLOYEE AND PUBLIC TOILET FACILITIES.
FOR STRUCTURES AND TENANT SPACES INTENDED FOR PUBLIC UTILIZATION, CUSTOMERS, PATRONS AND VISITORS SHALL BE PROVIDED WITH PUBLIC TOILET FACILITIES. EMPLOYEES ASSOCIATED WITH STRUCTURES AND TENANT SPACES SHALL BE PROVIDED WITH TOILET FACILITIES. THE NUMBER OF PLUMBING FIXTURES LOCATED WITHIN THE REQUIRED TOILET FACILITIES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 2902 FOR ALL USERS. EMPLOYEE TOILET FACILITIES SHALL BE EITHER SEPARATE OR COMBINED EMPLOYEE AND PUBLIC TOILET FACILITIES.

CODE REVIEW INFORMATION

PROJECT:
COMMERCIAL DISPENSARY FIT-OUT
TRULIEVE; ATTN. ROBERT JOYCE
6667 S SEMORAN BLVD, UNIT 102
ORLANDO, FL 32822

PROJECT NUMBER: 24030

COLWELL GROUP
132 CENTRAL STREET, SUITE 203, FOXBOROUGH, MA 02035
P. 508-241-2122 F. 508-455-4466 WWW.COLWELGROUP.COM

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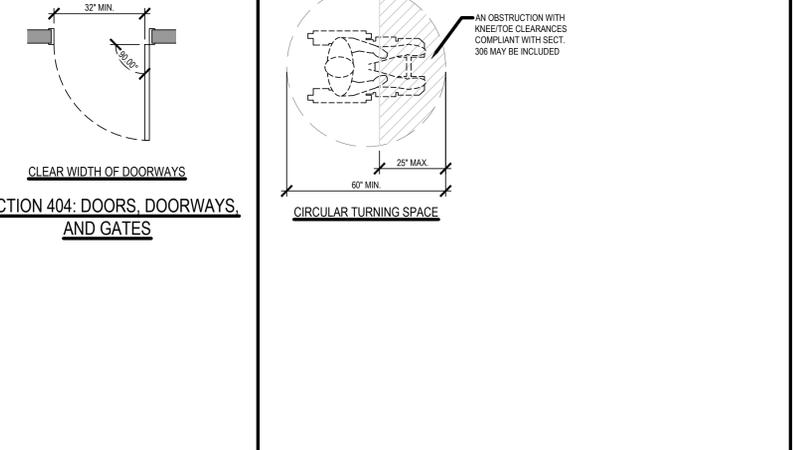
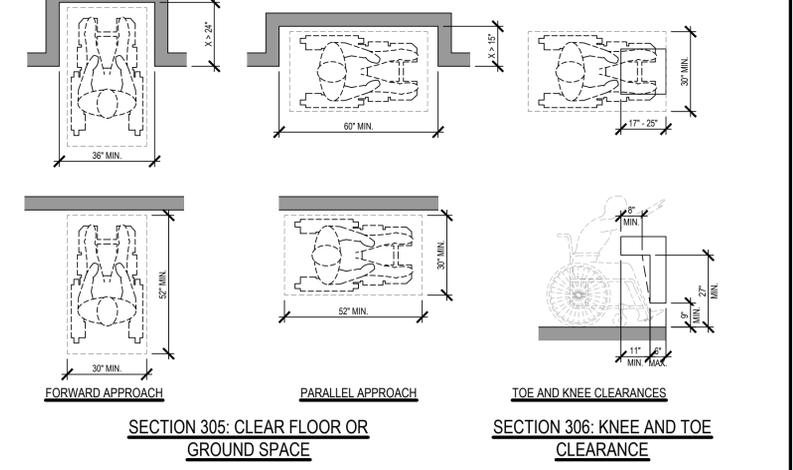
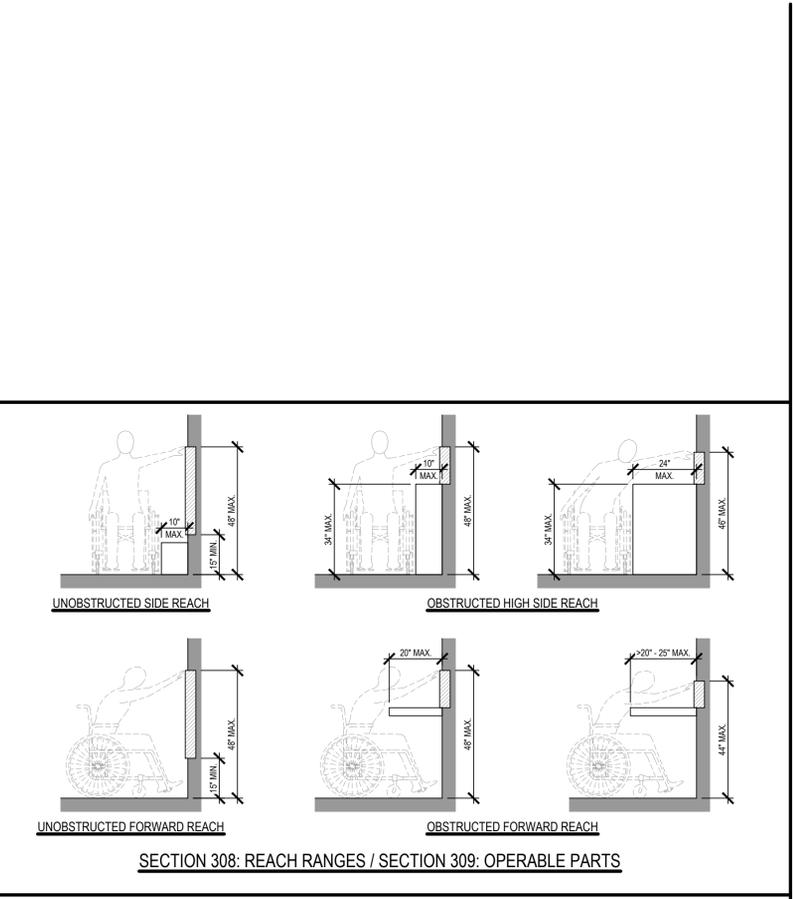
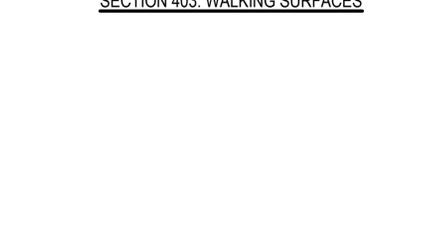
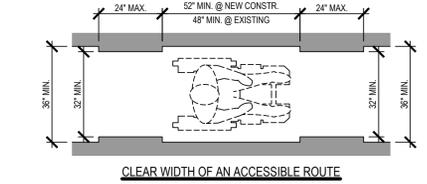
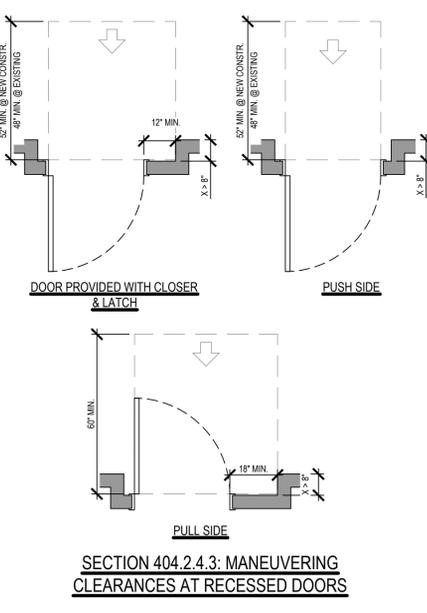
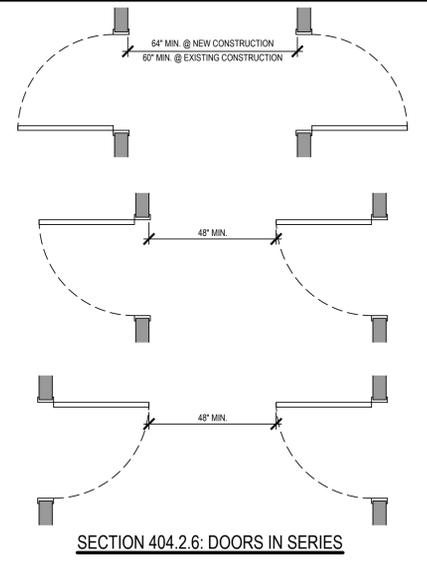
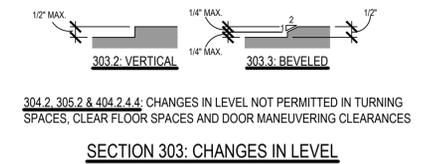
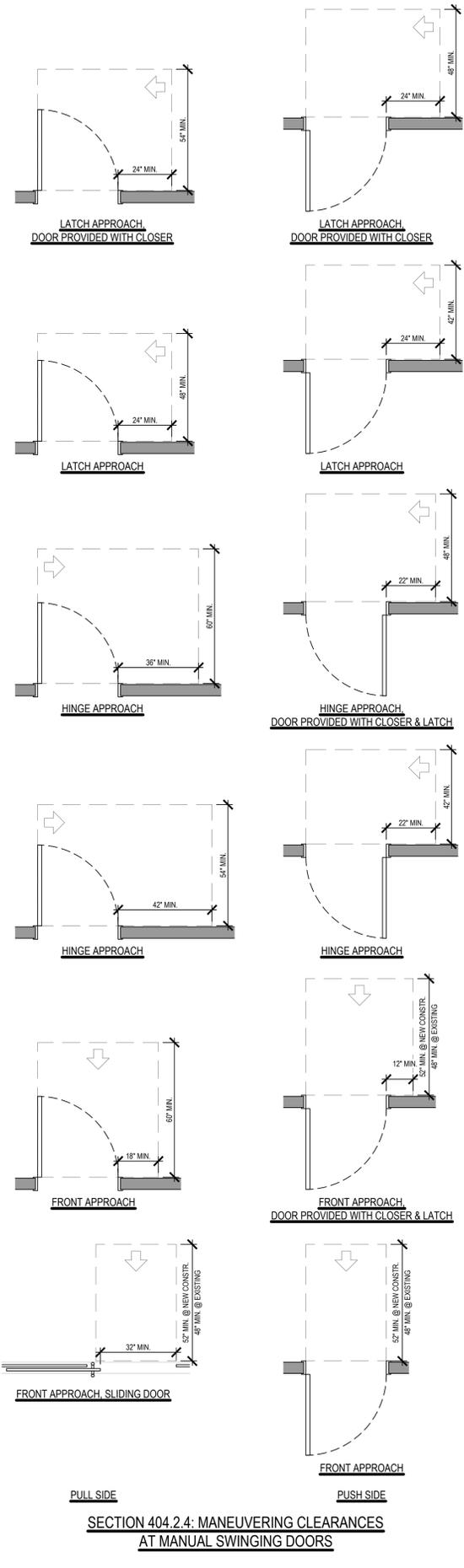
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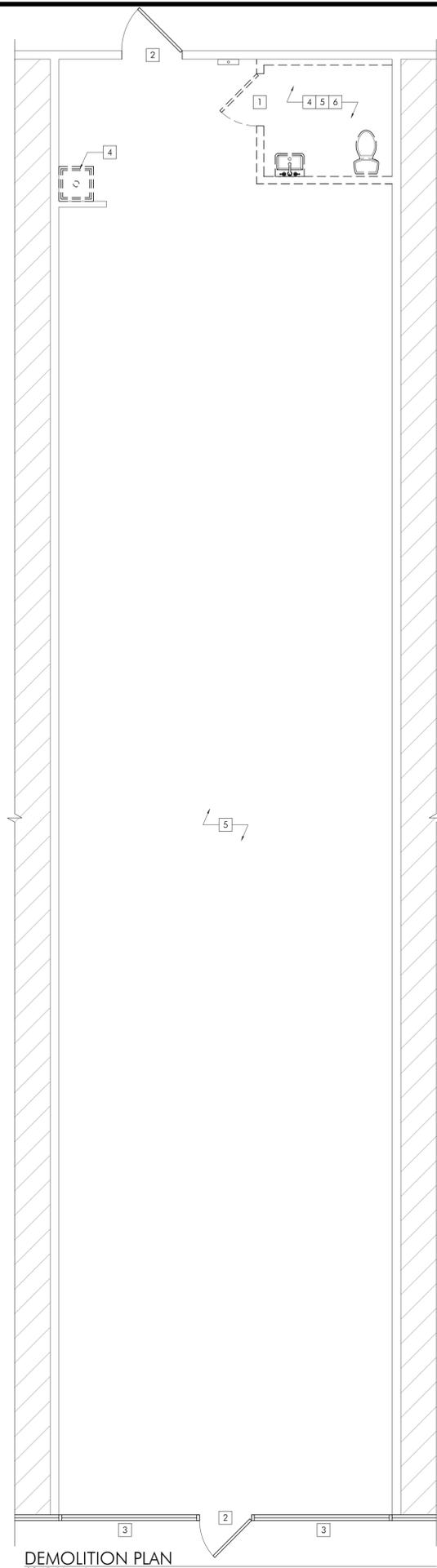
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G1.3



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

1. IN ACCORDANCE WITH FEDERAL REGULATIONS PROMULGATED UNDER THE CLEAN AIR ACT, AND COMMONLY REFERRED TO AS ASBESTOS NESHAP, MORE SPECIFICALLY, 40 CFR PART 61, SUBPART M, SECTION 61.145, THE CONTRACTOR SHALL VERIFY THAT AN ASBESTOS SURVEY HAS BEEN CONDUCTED PRIOR TO THE COMMENCEMENT OF DEMOLITION OR RENOVATION WORK WHICH IS PART OF THIS CONTRACT.
2. IN ACCORDANCE WITH ABOVE REGULATION REQUIREMENTS, THE CONTRACTOR SHALL FILE WRITTEN NOTIFICATION WITH THE EPA PRIOR TO ANY DEMOLITION WORK BEING PERFORMED REGARDLESS OF THE AMOUNT OF ASBESTOS, INCLUDING ZERO.
3. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. SECURE REQUIRED PERMITS. ARRANGE WITH BUILDING OWNER AND/OR APPROPRIATE UTILITY COMPANIES FOR SERVICE SHUTOFFS BEFORE BEGINNING DEMOLITION OPERATIONS.
4. CONSULT WITH OWNER AND FIRE OFFICIALS PRIOR TO MAKING ANY ALTERATIONS TO THE EXISTING FIRE ALARM AND SPRINKLER SYSTEM.
5. COORDINATE ALL DEMOLITION OPERATIONS WITH OWNER FOR SHUTDOWN PERIODS AND SEQUENCE OF WORK. PROVIDE TEMPORARY DUST PARTITIONS, BARRICADES, SIGNAGE, AND PROTECTIVE ENCLOSURES REQUIRED TO PROPERLY SECURE, ISOLATE, WATERPROOF, AND PROTECT AREAS OF WORK FROM EXISTING AREAS TO REMAIN IN OPERATION AND TO ASSURE CONTINUING FACILITY OPERATIONS IN GENERAL. IDENTIFY AND PROTECT ANY AREAS WHERE DEMOLITION IS TO TAKE PLACE WHERE THE DEMOLITION CREATES A PHYSICAL SAFETY HAZARD. THE CONTRACTOR SHALL KEEP THE CORRIDORS AND EXITS CLEAR OF DEBRIS, STORED MATERIALS, ETC., AT ALL TIMES TO PROVIDE REQUIRED FIRE EGRESS FROM THE BUILDING.
6. MAKE EVERY EFFORT POSSIBLE TO MINIMIZE DISTURBANCES TO BUILDING OCCUPANTS. COORDINATE HOURS OF DISRUPTIVE DEMOLITION WITH BUILDING OWNER PRIOR TO COMMENCEMENT.
7. IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL AND OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE REMOVED WHETHER SPECIFICALLY ITEMIZED OR NOT. TERMINATE, CAP AND REMOVE ALL ABANDONED ELECTRICAL CONDUIT, WIRING BOXES, SWITCHES, ETC; PLUMBING, PIPING, AND PLUMBING FIXTURES, ETC; HVAC DUCTWORK, CONTROLS, PIPING, ETC; AS REQUIRED.
8. WHEN WALLS, COLUMNS, OR OTHER SUPPORTING AND/OR BRACING ELEMENTS ARE SCHEDULED FOR DEMOLITION, TEMPORARY STRUCTURAL SUPPORTS AND BRACING FOR THE ADJACENT CONSTRUCTION SHALL BE PROVIDED AND MAINTAINED UNTIL THE PERMANENT SUPPORTING STRUCTURES ARE IN PLACE AND ABLE TO SUPPORT IMPOSED LOADS. ANY STRUCTURAL BRACING DISCOVERED DURING DEMOLITION IS NOT TO BE REMOVED - NOTIFY ARCHITECT OF ANY AND ALL SUCH DISCOVERIES IMMEDIATELY.
9. WHERE EXISTING WALL SUBSTRATES REMAIN AS BASE MATERIAL SURFACES FOR INSTALLATION OF NEW FINISHES, REMOVE PROJECTIONS, FILL VOIDS, SECURE OR REMOVE AND REPLACE ANY EXISTING LOOSE OR OTHERWISE UNSUITABLE SUBSTRATE MATERIALS AND ADD BLOCKING OR STRAPPING TO RECEIVE NEW MATERIALS AND FINISHES. STRIP EXISTING WALL FINISH MATERIAL TO EXPOSE SUBSTRATE WHERE NEEDED.
10. REMOVE ALL FINISH FLOORING MATERIALS INCLUDING WALL BASE FROM EXISTING FLOORS SCHEDULED TO RECEIVE NEW FLOORING. GRIND, SCRAPE, SAND, CLEAN AND OTHERWISE PREPARE SUBSTRATE PRIOR TO INSTALLATION OF NEW FINISH FLOORING. PREPARE SUBSTRATE IN ACCORDANCE WITH FLOORING MANUFACTURER'S WRITTEN SPECIFICATIONS. PROVIDE LEVELING MASTICS AND GROUTS AS REQUIRED TO RENDER SUBSTRATES LEVEL AND TRUE TO 1/8" IN 10', AND AS REQUIRED TO BLEND ADJACENT DISSIMILAR FLOORING MATERIALS.
11. REMOVE EXISTING CEILING FINISH MATERIAL, FRAMING/SUSPENSION SYSTEMS, INCLUDING LIGHT AND CEILING FIXTURES, AS REQUIRED TO ACCOMMODATE NEW WORK. IN ROOMS WHERE CEILINGS ARE TO REMAIN AND SECTIONS OF PARTITIONS ARE TO BE REMOVED/RELOCATED, CEILINGS SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING.
12. PATCH, REPAIR AND REFINISH ALL SURFACES TO MATCH AND ALIGN WITH EXISTING ADJACENT SURFACES SCHEDULED TO REMAIN, AND PREPARE TO RECEIVE NEW FINISHES SPECIFIED. WORK SHALL INCLUDE ALL LABOR AND MATERIALS ON ALL SURFACES REQUIRED TO RENDER SUBSTRATES ACCEPTABLE TO RECEIVE NEW FINISHES SPECIFIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
13. PROTECT FROM LOSS OR DAMAGE ALL ITEMS INTENDED FOR SALVAGE AND REUSE, OR SCHEDULED TO REMAIN.
14. REPLACE IN KIND ANY EXISTING CONSTRUCTION, OR ITEM INTENDED TO REMAIN, OR BE SALVAGED FOR REUSE, BUT DAMAGED OR LOST AS A RESULT OF THE WORK OF THIS CONTRACT.
15. REUSE OF SALVAGED MATERIALS NOT SPECIFICALLY SCHEDULED FOR REUSE, WILL BE AT THE SOLE DISCRETION OF THE OWNER. IN NO CASE SHALL SALVAGED MATERIAL BE INCORPORATED IN THE WORK THAT DOES NOT MEET MINIMUM REQUIREMENTS OF STATE AND LOCAL CODES AND REGULATIONS.
16. SCHEDULES OF ADDITIONAL ITEMS TO BE SALVAGED (IF ANY) ARE TO BE PROVIDED BY THE OWNER UPON REQUEST OF THE CONTRACTOR.
17. ITEMS TO BE SALVAGED BUT NOT SO SCHEDULED ON THE DEMOLITION PLAN SHALL BE CONFIRMED BY THE CONTRACTOR WITH THE OWNER. ALL ITEMS TO BE TURNED OVER TO THE OWNER, SHALL BE PROTECTED DURING DEMOLITION AND REMOVAL AND SHALL BE DELIVERED IN AN UNDAMAGED CONDITION.
18. REMOVE ALL DEMOLISHED MATERIALS NOT SCHEDULED FOR SALVAGE AND REUSE, OR THOSE TO BECOME PROPERTY OF THE OWNER, FROM THE SITE AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
19. TAKE CARE TO DISCONNECT ALL ELECTRICAL POWER TO PARTITIONS AND OTHER ITEMS, AREAS, ELEMENTS INVOLVED IN THE DEMOLITION PRIOR TO DEMOLITION.
20. CONFINE TOOLS AND EQUIPMENT, STORAGE OF MATERIALS AND OPERATIONS TO LIMITS DESIGNATED BY THE BUILDING OWNER. THE PREMISES SHALL BE MAINTAINED IN SAFE, ORDERLY CONDITION AT ALL TIMES. REMOVE DEBRIS DAILY. COVER DUMPSTERS WITH FIRE RESISTANT TARPS SECURELY FASTENED TO PREVENT VANDALISM.
21. IN THE EVENT THAT SUSPECTED HAZARDOUS MATERIALS ARE DISCOVERED DURING THE COURSE OF DEMOLITION, CEASE WORK IMMEDIATELY AND NOTIFY THE BUILDING OWNER OF ANY SUCH DISCOVERIES.
22. FOR ADDITIONAL DEMOLITION NOTES, REFER TO STRUCTURAL, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS, IF ANY.
23. DEMOLITION PLANS SHALL BE USED IN CONJUNCTION WITH DRAWINGS FOR NEW CONSTRUCTION (INTERIOR ELEVATIONS, DETAILS, ETC.) SO THAT EXACT LIMIT AND BOUNDARIES OF SPECIFIC DEMOLITION MAY BE DETERMINED.
24. ENSURE THAT ALL ELECTRICAL, MECHANICAL, FIRE PROTECTION, VOICE/DATA WIRING, AND PLUMBING SYSTEMS SERVING OTHER TENANTS AND BASE BUILDING SYSTEMS WILL REMAIN OPERATIONAL DURING THE COURSE OF DEMOLITION. SURVEY THE SITE BEFORE STARTING WORK TO IDENTIFY LOCATIONS OF THESE SYSTEMS.

DEMOLITION GENERAL NOTES

-  EXISTING DOOR TO REMAIN
-  EXISTING DOOR TO BE DEMOLISHED
-  EXISTING WALL TO REMAIN
-  EXISTING WALL TO BE DEMOLISHED

DEMOLITION FLOOR PLAN SYMBOLS

DEMOLITION PLAN NOTES - SPECIFIC

- (NOTES ARE KEYED ON DRAWINGS)
1. REMOVE EXISTING DOOR ASSEMBLY AS SHOWN, INCLUSIVE OF FRAME & HARDWARE.
 2. EXISTING EXTERIOR DOOR TO REMAIN. G.C. TO REPLACE ANY BROKEN OR DAMAGED HARDWARE WITH NEW, SPECIFICATIONS TO MATCH EXISTING.
 3. EXISTING WINDOWS TO REMAIN. G.C. TO PROTECT DURING DEMOLITION AND CLEAN TO LIKE NEW CONDITION.
 4. REMOVE EXISTING PLUMBING AND CAP PROPERLY
 5. FLOOR TO BE LEVELED, PATCHED, AND REPAIRED. MAKE READY TO RECEIVE FINISHES
 6. EXISTING GYP. CEILING, LIGHTING FIXTURES, SUPPLIES, DIFFUSERS AND FIRE ALARM DEVICES TO BE REMOVED

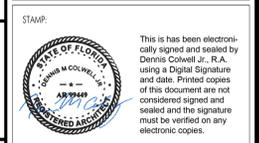
DEMOLITION KEYED NOTES

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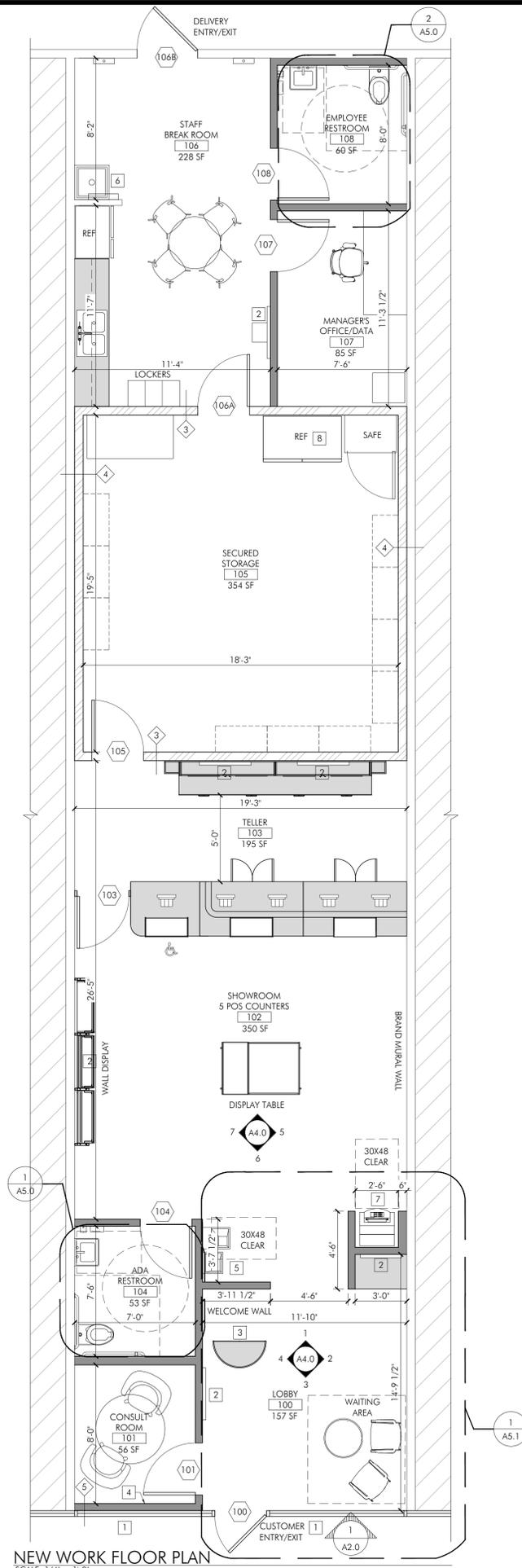
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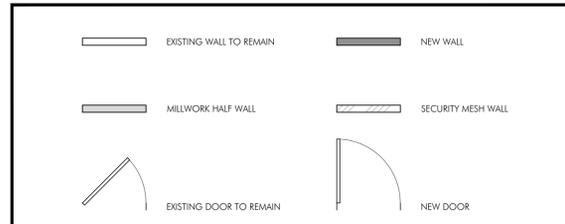


NEW WORK FLOOR PLAN
SCALE: 1/4" = 1'-0"

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FLOOR PLAN LEGEND

- FLOOR PLAN NOTES - SPECIFIC**
(NOTES ARE KEYED ON DRAWINGS)
- EXISTING EXTERIOR GLAZING TO REMAIN. G.C. TO CLEAN AND REPAIR TO LIKE NEW CONDITION.
 - NEW WALL MOUNTED TV'S BY OWNER. G.C. TO PROVIDE AND INSTALL BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION WITH CLIENT. MOUNTING HEIGHT 5'-6" A.F.F. UNLESS NOTED OTHERWISE
 - RECEPTION AREA MILLWORK BY TRULIEVE MILLWORKER. SEE SHEET AS.2 FOR MILLWORK ELEVATIONS AND DETAILS
 - PROVIDE FURRING WALL OVER EXISTING EXTERIOR WALL
 - NEW DRINKING FOUNTAIN BY G.C. REFER TO PLUMBING FIXTURE SCHEDULE ON AS.0 FOR SPECIFICATION
 - NEW MOP SINK BY G.C. REFER TO PLUMBING FIXTURE SCHEDULE ON AS.0 FOR SPECIFICATION
 - FREESTANDING HYOSUNG HALO II ATM MACHINE TO BE FURNISHED AND INSTALLED BY TRULIEVE VENDOR
 - G.C. TO PROVIDE NEW EVEREST REFRIGERATION EBK2 54 1/2", TWO SECTION SOLID DOOR UPRIGHT REACH-IN REFRIGERATOR - 50 CU.FT. ITEM #305411 OR SIMILAR.

FLOOR PLAN KEYED NOTES

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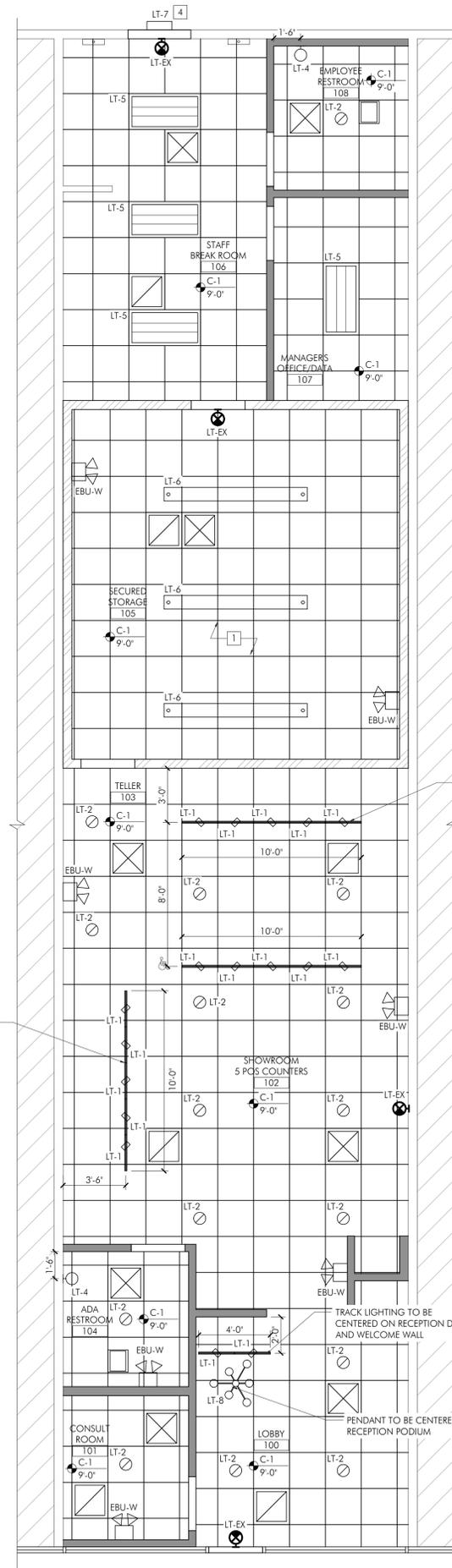
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 FLOOR PLAN

DRAWING NUMBER:

A1.0



REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

- C-1 - USG/DONN DXT/DXLT CENTRICITEE 3/8" ACOUSTICAL SUSPENSION SYSTEM; FLAT WHITE 050
- EXISTING A.C.T. CEILING AND GRID
- LT-1 TRACK LIGHTING SYSTEM
SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION
- LT-2 4" LED DOWNLIGHT
SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION
- LT-3 DECORATIVE LIGHTING - TELLER LINE PENDANT
SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION
- LT-4 DECORATIVE LIGHTING - SCONCE
SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION
- LT-5 2'X4' - BACK OF HOUSE - GENERAL
SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION
- LT-6 BACK OF HOUSE UTILITY LIGHT/ VAULT LIGHT
SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION
- LT-7 NOT USED
- LT-8 DECORATIVE LIGHTING - RECEPTION PENDANT
SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION
- SUPPLY DIFFUSER
REFER TO MECH DRAWINGS
- RETURN DIFFUSER
REFER TO MECH DRAWINGS
- TOILET ROOM EXHAUST
REFER TO MECH DRAWINGS
- EBU-W EMERGENCY LIGHTING W/ BATTERY BACKUP
REFER TO ELECTRICAL DRAWINGS
- LT-EX LED EXIT SIGN/ EMERGENCY LIGHTING W/ BATTERY BACKUP
REFER TO ELECTRICAL DRAWINGS
- NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHTING FIXTURE MODELS, CIRCUITING, AND SWITCHING INFORMATION.

REFLECTED CEILING PLAN LEGEND

- REFLECTED CEILING PLAN NOTES - SPECIFIC
(NOTES ARE KEYED ON DRAWINGS)
- 1 REFER TO PARTITION TYPE 3 FOR SECURED STORAGE WALL & CEILING DETAIL
 - 2 NOT USED
 - 3 NOT USED
 - 4 CENTER LT-7 OVER EXTERIOR DOOR. MOUNT LIGHT AT 8'-0" A.F.F.

REFLECTED CEILING PLAN KEYED NOTES

1. THIS DRAWING INTENDED FOR FINISHES, FIXTURE LOCATIONS, AND COORDINATION; SEE ELECTRICAL DRAWINGS FOR COMPLETE SCHEDULE OF LIGHT FIXTURES; SEE MECHANICAL DRAWINGS FOR DIFFUSERS AND EQUIPMENT.
2. CEILING HEIGHTS ARE FROM FINISH FLOOR LEVEL.
3. SOFFIT FRAMING DIMENSIONS ARE FROM FACE OF WALL (F.O.W.) UNLESS OTHERWISE NOTED.
4. GRID DIMENSIONS ARE FROM FACE OF GYP. BD.
5. SUSPENDED CEILING GRID SHALL BE CENTERED IN BOTH DIRECTIONS OF A ROOM UNLESS OTHERWISE NOTED OR AS INDICATED BY WORKING POINTS AND/OR FULL TILE DESIGNATIONS.
6. CENTER LIGHTS AND OTHER DEVICES ON ACOUSTIC TILE UNLESS NOTED OTHERWISE.
7. DO NOT INSTALL MECHANICAL, ELECTRICAL, OR PLUMBING DEVICES REQUIRING ACCESS ABOVE GYPSUM BOARD CEILINGS UNLESS ACCESS PANELS ARE PROVIDED, IN ALL CASES, LOCATE SUCH DEVICES ABOVE ACCESSIBLE CEILINGS OR ACCESS PANELS.
8. ALL ROD/ CABLES IN THE DISPLAY AREA SHALL BE PAINTED TO MATCH THE BACKDROP (SOFFIT, CEILING, OR DECK)
9. IN OPEN CEILINGS, ALL WIRES AND CONDUITS SHALL BE RUN NEATLY, TIGHT TO STRUCTURE WHEREVER POSSIBLE, AND ORTHOGONALLY FOR NEATEST CONFIGURATION.
10. FINAL LOCATION AND QUANTITY OF EMERGENCY LIGHTS AND/ OR EXIT SIGNS SHALL BE AT THE DISCRETION OF THE AHI DURING CONSTRUCTION, AND MAY RESULT IN ADDITIONAL FIXTURES. GC SHALL PROVIDE ANY ADDITIONAL FIXTURES AND PERFORM ANY MODIFICATIONS AS REQUIRED BY THE AHI.

GENERAL CEILING NOTES

PROJECT:
COMMERCIAL DISPENSARY FIT-OUT
TRULIEVE; ATTN. ROBERT JOYCE
6667 S SEMORAN BLVD, UNIT 102
ORLANDO, FL 32822

PROJECT NUMBER: 24030



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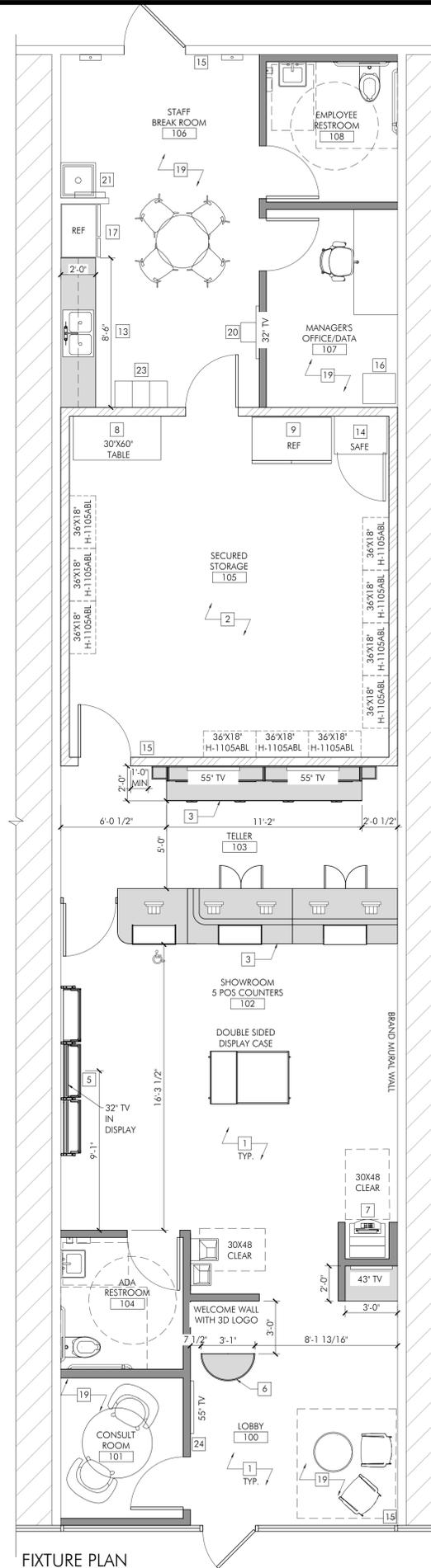
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DRAWN BY: MEH CHECKED BY: DMC

DRAWING TITLE:
REFLECTED CEILING PLAN

DRAWING NUMBER:

A1.1



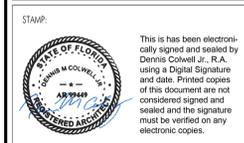
FIXTURE PLAN
SCALE: 1/4" = 1'-0"

- FIXTURE PLAN NOTES - SPECIFIC**
(NOTES ARE KEYED ON DRAWINGS)
- 1 ALL FLOOR FIXTURES TO BE PROVIDED AND INSTALLED BY TRUELIEVE MILLWORKER
 - 2 ALL FIXTURES IN SECURED STORAGE TO BE FURNISHED AND INSTALLED BY TRUELIEVE VENDOR UNLESS NOTED OTHERWISE.
 - 3 FIXED TELLER STATION AND FULFILLMENT BACK WALL BY TRUELIEVE MILLWORKER. SEE SHEET AS.4 FOR INFORMATION AND DETAILS
 - 4 NOT USED.
 - 5 MODULAR WALL SHELVING BY TRUELIEVE MILLWORKER. SEE SHEET AS.0 FOR INFORMATION AND DETAILS
 - 6 FREESTANDING RECEPTION KIOSKS BY TRUELIEVE MILLWORKER. SEE SHEET AS.2 FOR INFORMATION AND DETAILS
 - 7 FREESTANDING ATM MACHINE TO BE FURNISHED AND INSTALLED BY TRUELIEVE VENDOR. G.C. TO COORDINATE POWER REQUIREMENTS AND LOCATION WITH SPECIFIED EQUIPMENT.
 - 8 STAINLESS STEEL TABLE PROVIDED BY TRUELIEVE
 - 9 G.C. TO PROVIDE NEW EVEREST REFRIGERATION EB2 54 1/2"; TWO SECTION SOLID DOOR UPRIGHT REACH-IN REFRIGERATOR - 50 CU.FT. ITEM #305411 OR SIMILAR
 - 10 NOT USED
 - 11 NOT USED
 - 12 NOT USED
 - 13 G.C. TO FURNISH AND INSTALL KITCHEN SINK AND ACCESSORIES. REFER TO PLUMBING FIXTURE SCHEDULE ON AS.0 FOR SPECIFICATION
 - 14 OWNER TO FURNISH AND INSTALL HAYMAN DV-3019 DYNAAULT SAFE OR EQUAL. G.C. TO BOLT SAFE TO THE GROUND IN SECURED STORAGE 107
 - 15 G.C. TO FURNISH AND INSTALL TYPE 2-A MODEL 2A10BC SURFACE MOUNTED FIRE EXTINGUISHER. FIRE EXTINGUISHER TO BE INSTALLED 27" MAX. TO THE BOTTOM AND 48" MAX. TO THE TOP ABOVE FINISHED FLOOR. COORDINATE MOUNTING LOCATIONS WITH FIRE MARSHAL PRIOR TO PROCEEDING WITH WORK. MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHER SHALL NOT EXCEED 75 FT.
 - 16 DATA RACKS TO BE FURNISHED AND INSTALLED BY TRUELIEVE VENDOR. G.C. TO COORDINATE INSTALLATION
 - 17 APPLIANCES AT BREAK AREA TO BE PURCHASED BY TRUELIEVE AND INSTALLED BY G.C.
 - 18 NOT USED
 - 19 ALL FURNITURE TO BE FURNISHED AND INSTALLED BY TRUELIEVE VENDOR UNLESS NOTED OTHERWISE
 - 20 FREE STANDING WATER BREAK BY CINTAS; REFER TO PLUMBING SCHEDULE ON AS.0 FOR SPECIFICATION
 - 21 CHEMICAL DISPENSER PROVIDED AND INSTALLED BY CINTAS
 - 22 NOT USED
 - 23 LOCKERS TO BE FURNISHED AND INSTALLED BY TRUELIEVE
 - 24 ROOM IDENTIFICATION SIGNAGE LOGO BY SIGNAGE VENDOR. G.C. TO COORDINATE FINAL LOCATION WITH TRUELIEVE
 - 25 MARKETING GRAPHICS BY TRUELIEVE. G.C. TO COORDINATE FINAL LOCATION WITH TRUELIEVE

FIXTURE PLAN KEYED NOTES

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FIXTURE PLAN

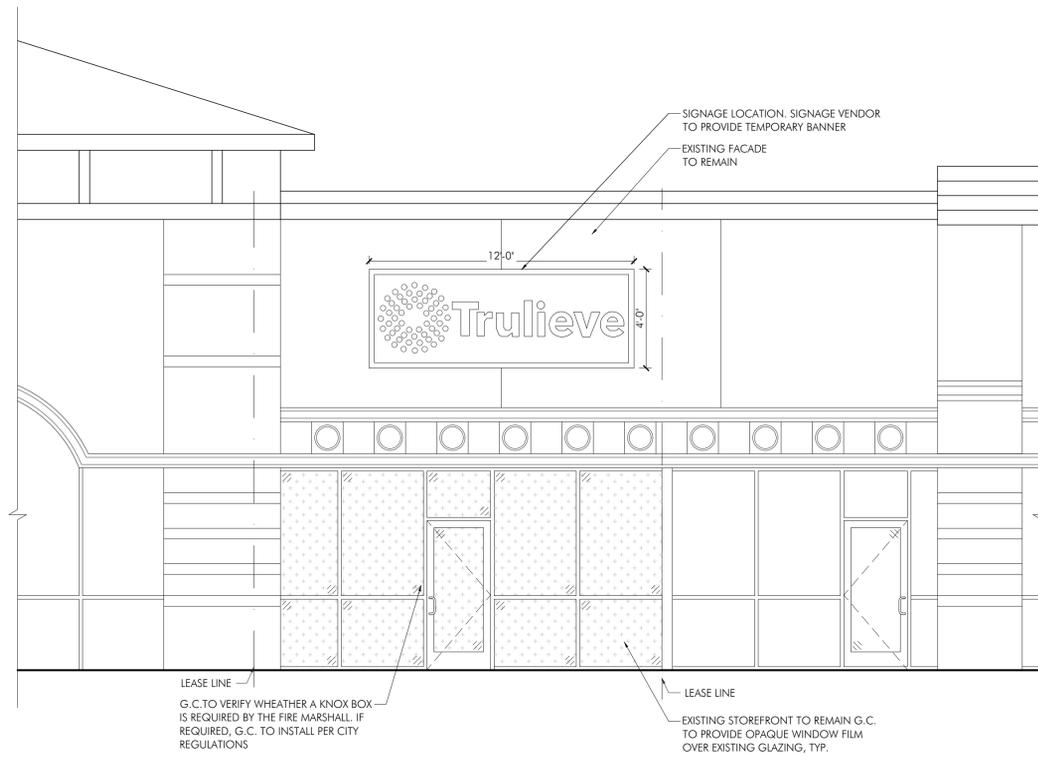
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PROJECT:
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COLWELL GROUP
 132 CENTRAL STREET, SUITE 203, FOXBOROUGH, MA 02035
 P. 508-241-2122 F. 508-455-4466 WWW.COLWELGROUP.COM



1 FRONT ELEVATION
 A2.0 / SCALE: 1/4" = 1'-0"

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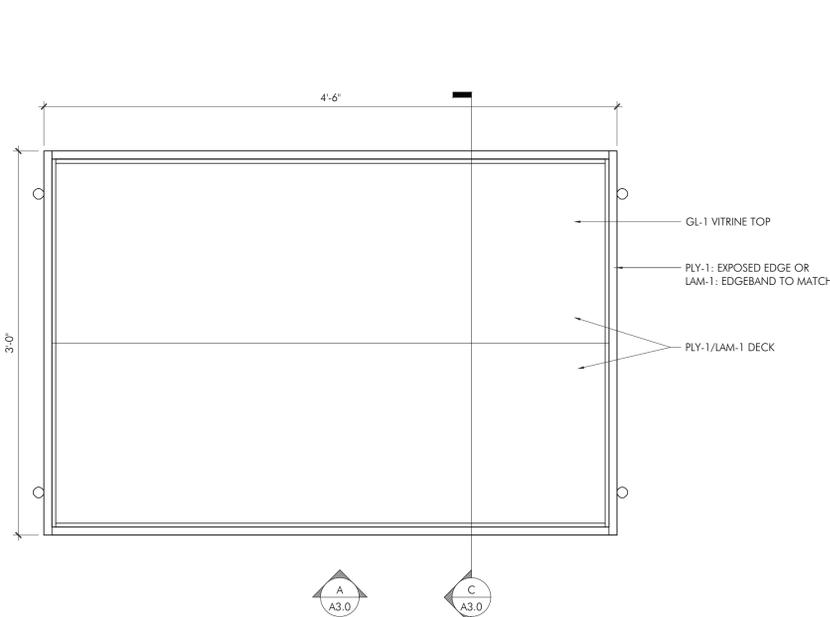
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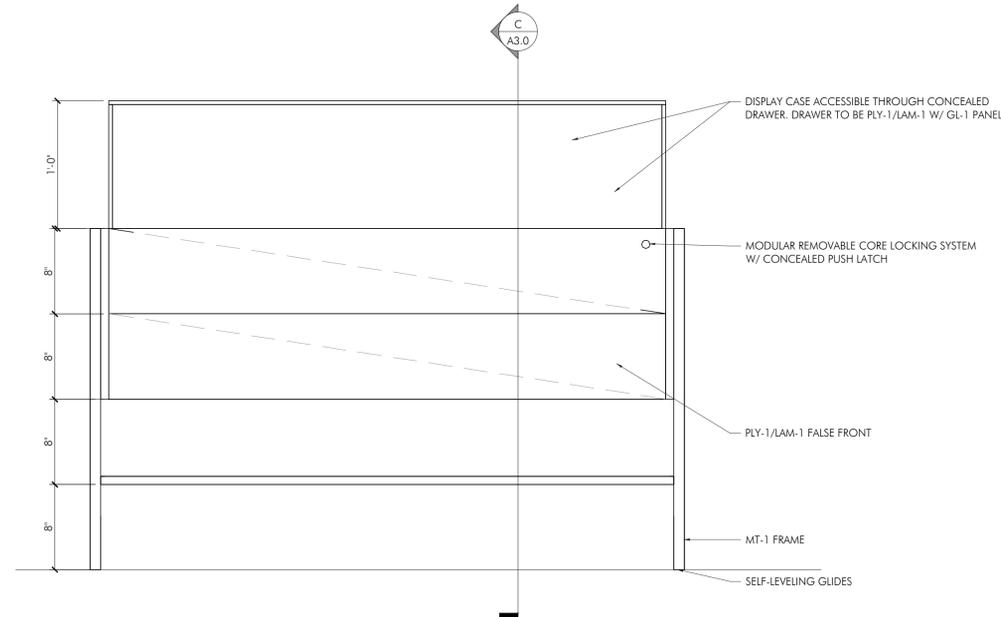
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DRAWING NUMBER:

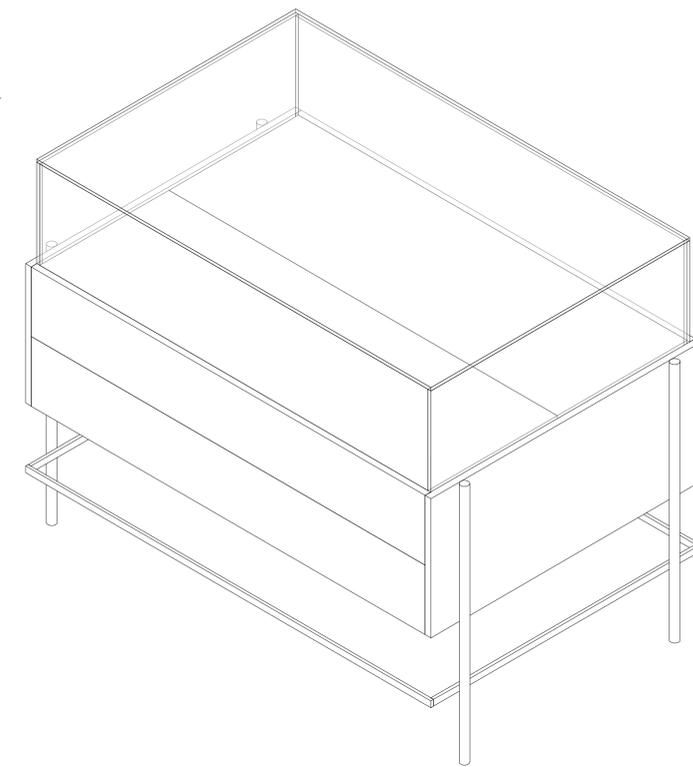
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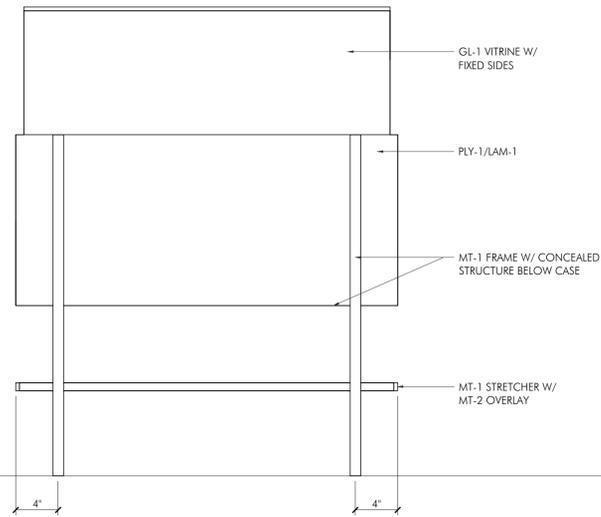
1 PLAN VIEW @ DOUBLE SIDED DISPLAY CASE
 SCALE: 1-1/2" = 1'-0"



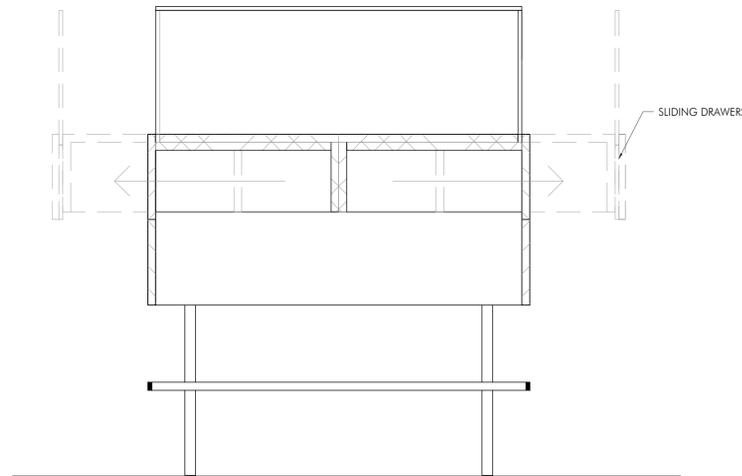
A ELEVATION A
 SCALE: 1-1/2" = 1'-0"



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



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



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

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GENERAL MILLWORK NOTES

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- VERIFY ALL DIMENSIONS WITH CATALOG CUTS OF ACTUAL HARDWARE AND EQUIPMENT TO BE USED AND FIELD CONDITIONS. COORDINATE ROUGH-IN LOCATIONS WITH FIELD DIMENSIONS PRIOR TO FABRICATION. FIELD CUT COUNTERTOPS FOR INSTALLATION OF EQUIPMENT AND FIXTURES, TYPICAL.
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- UNLESS NOTED OTHERWISE, ALL BASE CABINETS/WALL CABINETS/COUNTERS SHALL BE CONSTRUCTED OF 3/4" MEDIUM DENSITY FIBERBOARD WITH PLASTIC LAMINATE FINISH. (SEE DETAILS). ALL INTERIOR SURFACES SHALL BE WHITE MELAMINE.
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DRAWING TITLE:

DOUBLE SIDED DISPLAY MILLWORK DETAILS

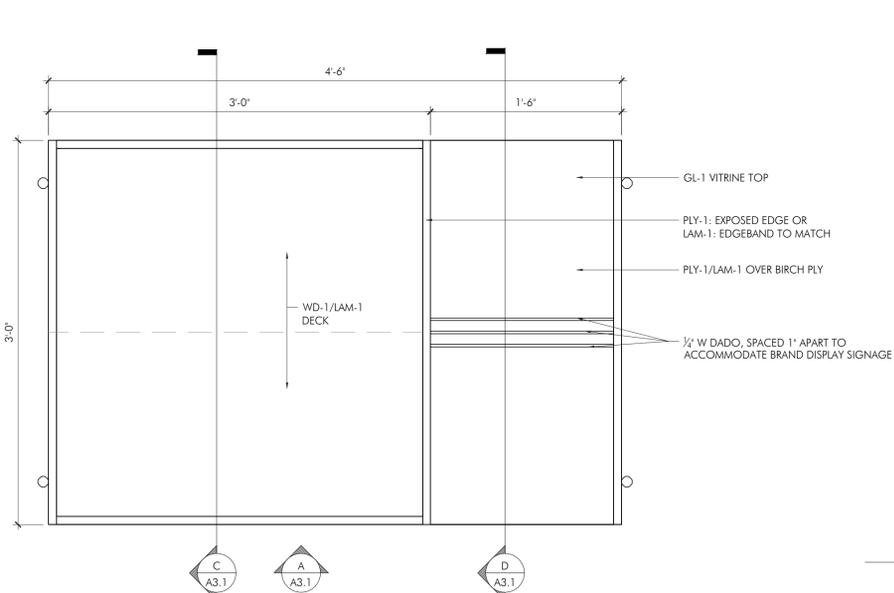
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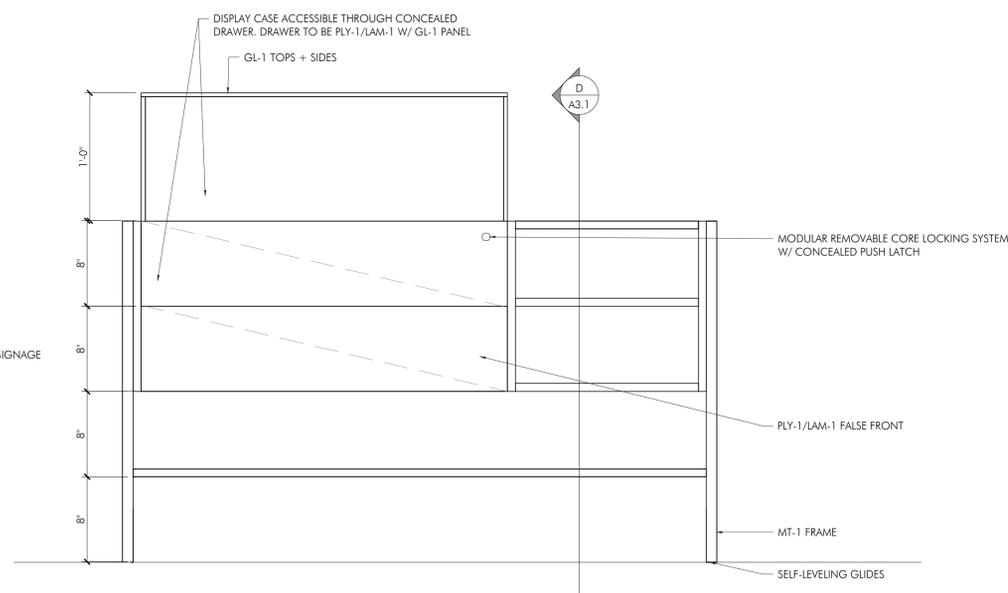
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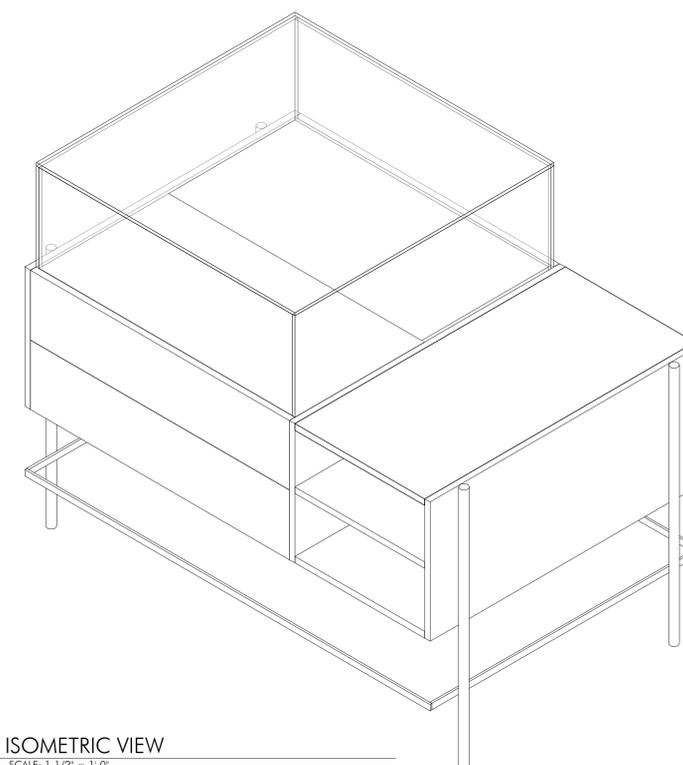
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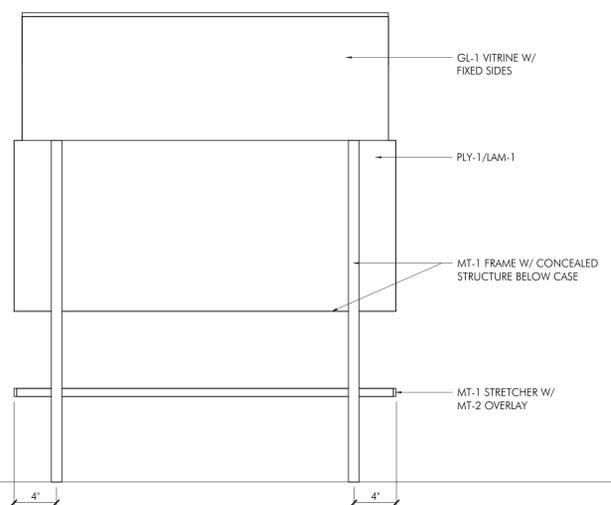
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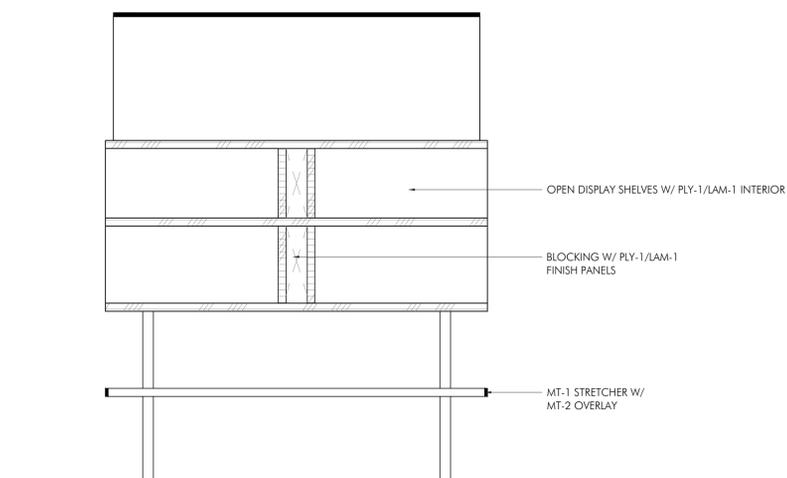
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B ELEVATION B
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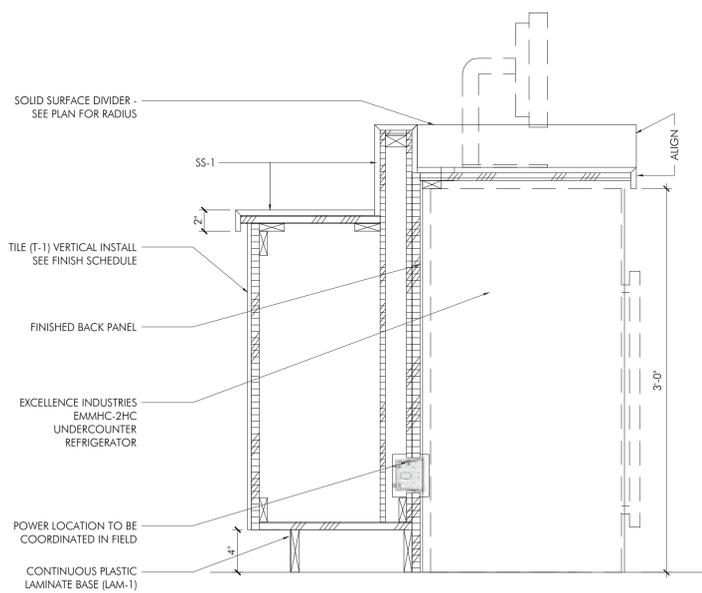
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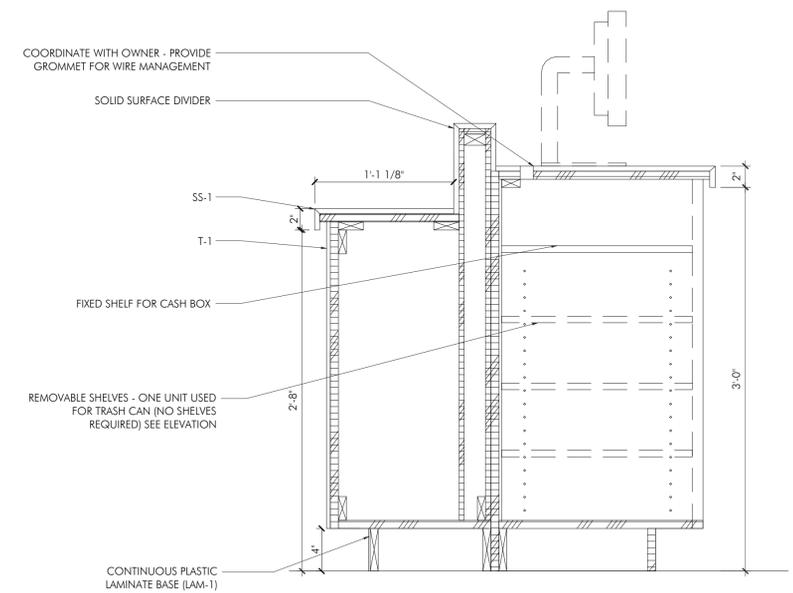
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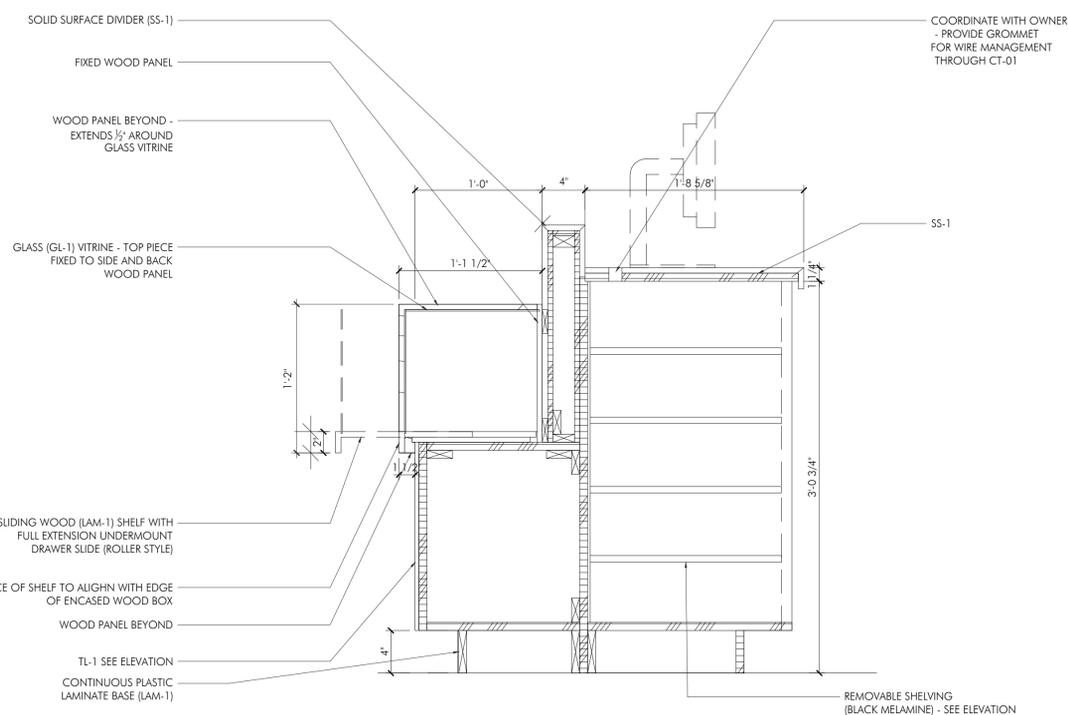
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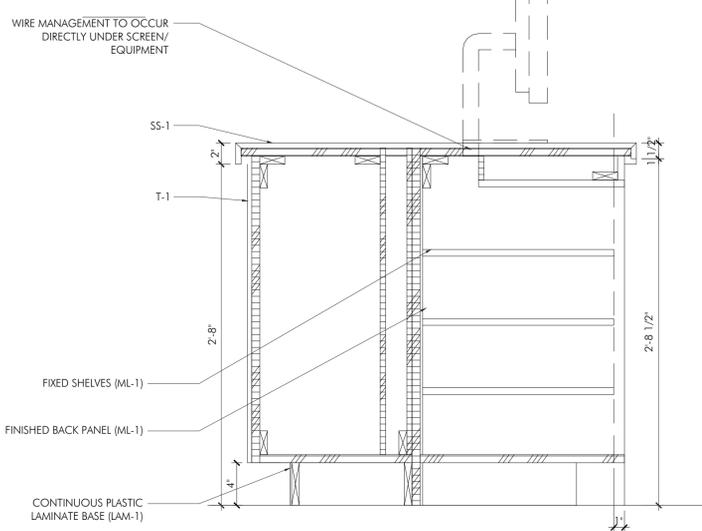
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A3.2 SCALE: 1-1/2" = 1'-0"



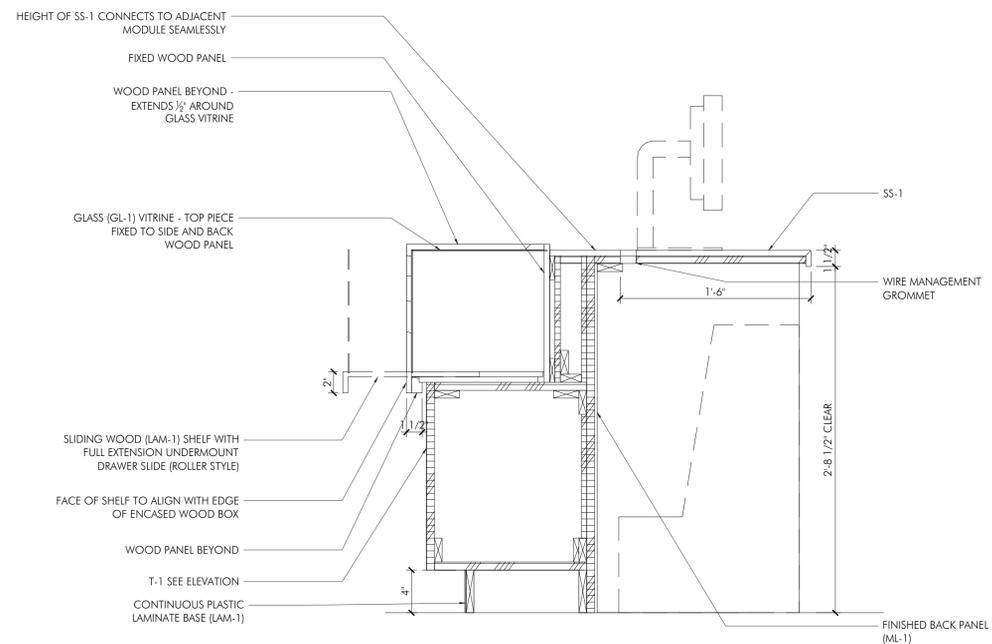
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A3.2 SCALE: 1-1/2" = 1'-0"



3 TELLER LINE DETAIL
A3.2 SCALE: 1-1/2" = 1'-0"



4 TELLER LINE DETAIL 4
A3.2 SCALE: 1-1/2" = 1'-0"



5 TELLER LINE DETAIL
A3.2 SCALE: 1-1/2" = 1'-0"

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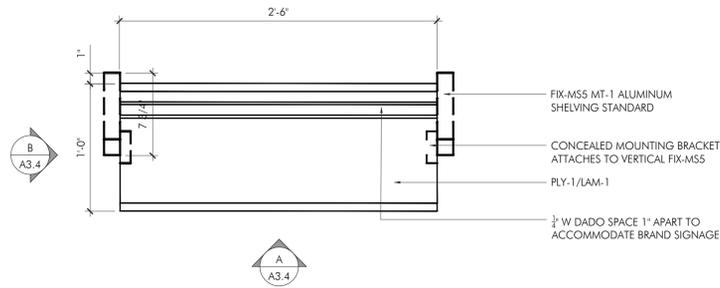
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DRAWN BY: MEH CHECKED BY: DMC

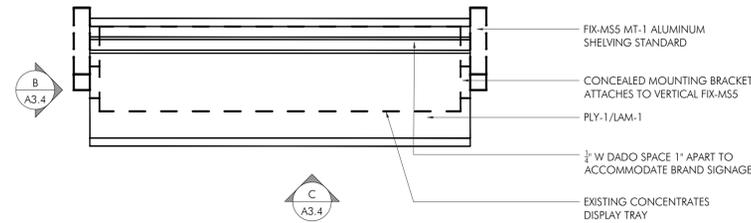
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TELLER LINE MILLWORK DETAILS

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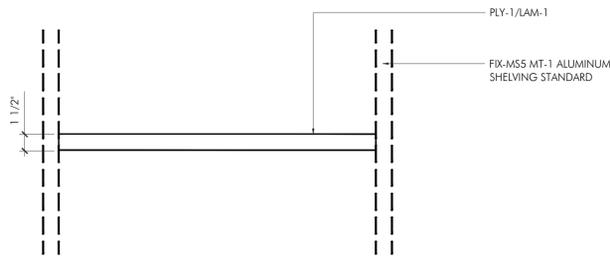
A3.2



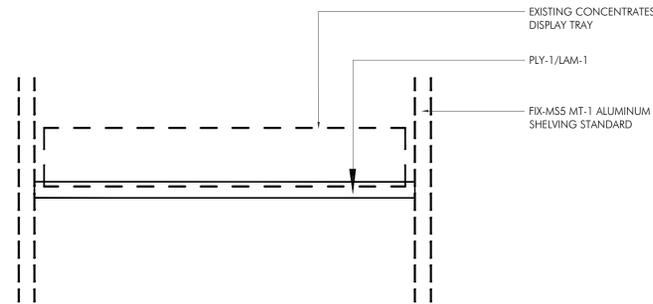
1 PLAN VIEW @ MS-3A PRODUCT DISPLAY SHELF
 SCALE: 1-1/2" = 1'-0"



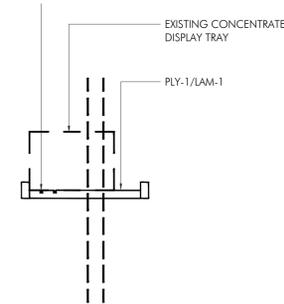
2 PLAN VIEW @ MS-3B PRODUCT DISPLAY SHELF
 SCALE: 1-1/2" = 1'-0"



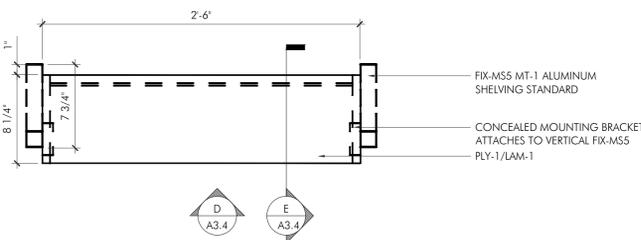
A ELEVATION VIEW
 SCALE: 1-1/2" = 1'-0"



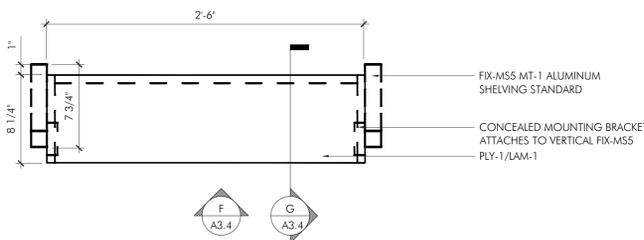
C ELEVATION VIEW
 SCALE: 1-1/2" = 1'-0"



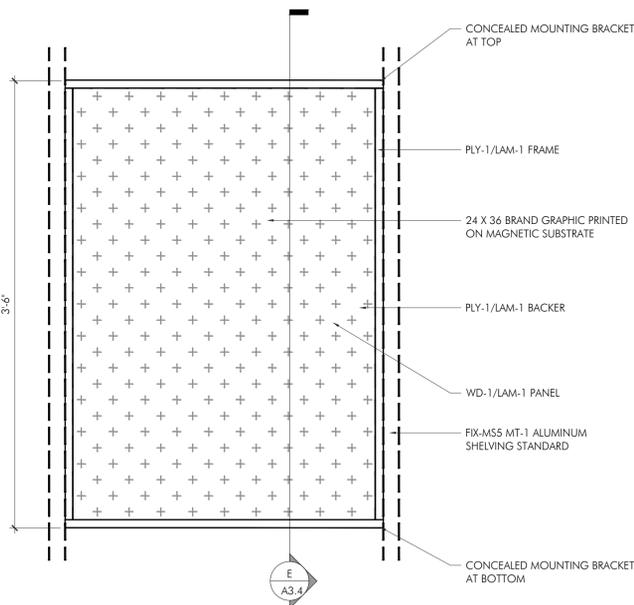
B ELEVATION VIEW
 SCALE: 1-1/2" = 1'-0"



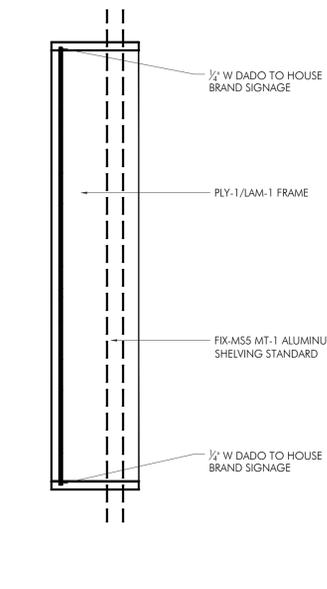
3 PLAN VIEW @ MS-4A SIGNAGE DISPLAY CABINET
 SCALE: 1-1/2" = 1'-0"



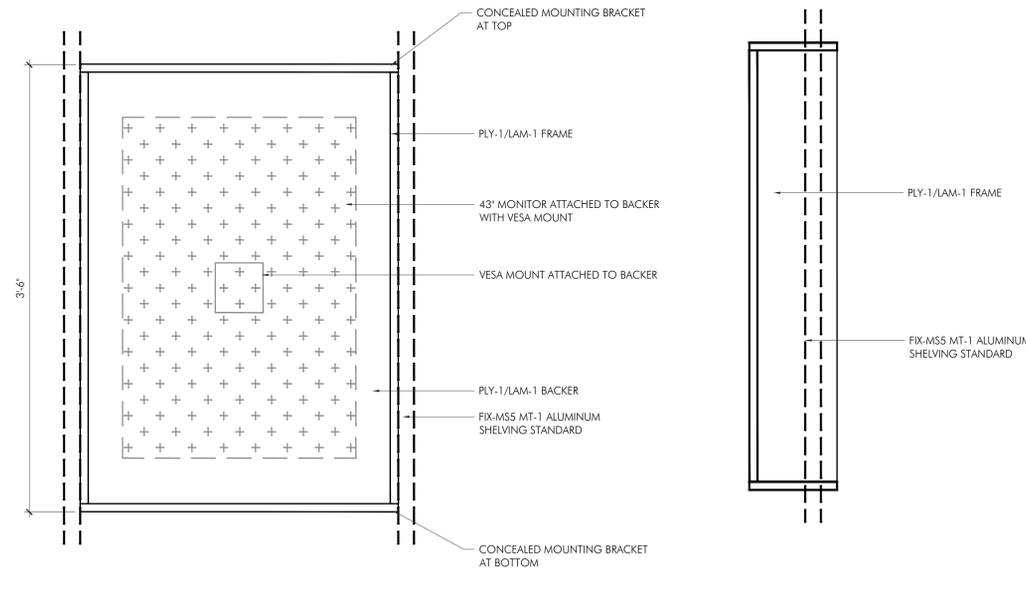
3 PLAN VIEW @ MS-4B MONITOR DISPLAY CABINET
 SCALE: 1-1/2" = 1'-0"



D ELEVATION VIEW
 SCALE: 1-1/2" = 1'-0"



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



F ELEVATION VIEW
 SCALE: 1-1/2" = 1'-0"

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

THIS SHEET HAS BEEN PROVIDED AS A GUIDE FOR DESIGN INTENT ONLY - REFERENCE ONLY. SHOP DRAWINGS WILL BE REQUESTED BY AWARDED MILLWORKER FOR FINAL REVIEW.

GENERAL MILLWORK NOTES

- ALL MILLWORK SHALL BE FABRICATED IN STRICT ACCORDANCE WITH THE ARCHITECTURAL WOODWORK INSTITUTE, "ARCHITECTURAL WOODWORK INSTITUTE QUALITY STANDARDS ...", CUSTOM GRADE, UNLESS NOTED OTHERWISE. SHOP DRAWINGS ARE REQUIRED TO BE SUBMITTED AND APPROVED FOR ALL MILLWORK ITEMS PRIOR TO FABRICATION. PROVIDE ARCHITECTURAL WOODWORK INSTITUTE QUALITY CERTIFICATION PROGRAM LABELS OR CERTIFICATES INDICATING THAT THE WOODWORK, INCLUDING INSTALLATION, COMPLIES WITH REQUIREMENTS OF GRADES SPECIFIED.
- VERIFY ALL DIMENSIONS WITH CATALOG CUTS OF ACTUAL HARDWARE AND EQUIPMENT TO BE USED AND FIELD CONDITIONS. COORDINATE ROUGH-IN LOCATIONS WITH FIELD DIMENSIONS PRIOR TO FABRICATION. FIELD CUT COUNTERTOPS FOR INSTALLATION OF EQUIPMENT AND FIXTURES, TYPICAL.
- SCRIBE AND CUT MILLWORK DURING INSTALLATION AS REQUIRED TO COMPENSATE FOR IRREGULAR WALL AND FLOOR SURFACES. INSTALLATION SHALL BE LEVEL, PLUMB AND TIGHT AT ALL FLOOR AND WALL SURFACES, CAULK ALL JOINTS WITH CLEAR SILICONE SEALANT.
- PROVIDE WOOD BLOCKING AS REQUIRED CONCEALED IN WALL CONSTRUCTION TO ADEQUATELY SUPPORT MILLWORK FOR ITS INTENDED USE IN THE LOCATIONS SHOWN.
- ALL DRAWER AND CABINET PULLS SHALL BE AS MANUFACTURED BY "HARDWARE RESOURCES", NAPLES COLLECTION, CATALOG NUMBER 1565N, SATIN CHROME FINISH, UNLESS NOTED OTHERWISE.
- ALL DRAWERS SHALL HAVE TWO MEDIUM DUTY FULL EXTENSION DRAWER SLIDES AS MANUFACTURED BY "ACCURIDE", MODEL 3832, OR EQUAL, UNLESS NOTED OTHERWISE.
- EACH CABINET DOOR UP TO 42" IN HEIGHT SHALL HAVE TWO HINGES WITH 170 DEGREE OPENING AS MANUFACTURED BY "BLUM", MODEL CLIP 170, OR EQUAL.
- PROVIDE HOLES IN COUNTERTOPS WITH BLACK PLASTIC GROMMETS FOR ELECTRICAL PLUG-IN CONNECTIONS RELATED TO MILLWORK ITEMS. VERIFY EXACT NUMBER, SIZE, AND LOCATIONS IN FIELD WITH OWNERS REPRESENTATIVE.
- UNLESS NOTED OTHERWISE, ALL BASE CABINETS/WALL CABINETS/COUNTERS SHALL BE CONSTRUCTED OF 3/4" MEDIUM DENSITY FIBERBOARD WITH PLASTIC LAMINATE FINISH. (SEE DETAILS). ALL INTERIOR SURFACES SHALL BE WHITE MELAMINE.
- UNLESS NOTED OTHERWISE, ALL COUNTERTOPS WITH PLUMBING FIXTURES/ SINKS SHALL BE CONSTRUCTED OF 3/4" MEDEX (WATER RESISTANT HIGH DENSITY FIBERBOARD) WITH PLASTIC LAMINATE FINISH. (SEE DETAILS).
- BASE CABINETS SHALL BE 2'-0" DEEP, UNLESS OTHERWISE NOTED. WALL CABINETS SHALL BE 1'-2" DEEP, UNLESS OTHERWISE NOTED.
- PROVIDE CUT-OUTS IN MILLWORK ITEMS AS REQUIRED TO ACCOMMODATE JUNCTION BOXES AND OTHER ELECTRICAL DEVICES AS REQUIRED. COORDINATE WITH DETAILS AND ELECTRICAL DRAWINGS.
- CONTRACTOR SHALL VERIFY WOOD LAMINATE, GRAIN PATTERN CUT AND REPEAT WITH PROJECT DESIGNER PRIOR TO FABRICATION.
- ALL CAM LOCKS SHALL BE KEYPED ALIKE AS THE FOLLOWING, EACH TELLER POD TO BE KEYPED INDEPENDENTLY. TELLER POD WORK COUNTER (BEHIND POD) AND WORKROOM TO BE KEYPED ALIKE.

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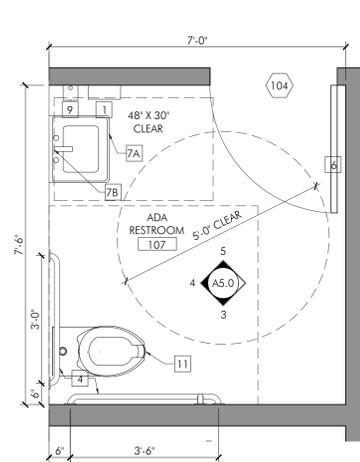
DRAWING SCALE: AS NOTED

DRAWN BY: MEH CHECKED BY: DMC

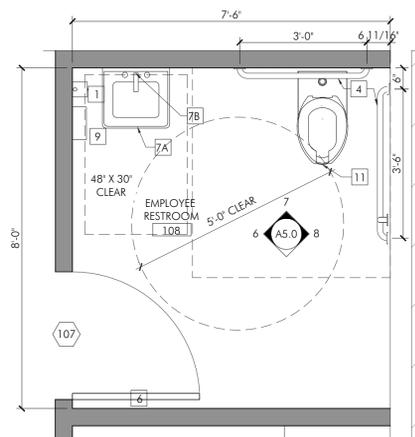
DRAWING TITLE:
 MODULAR SHELVING SYSTEM DETAILS

DRAWING NUMBER:

A3.4

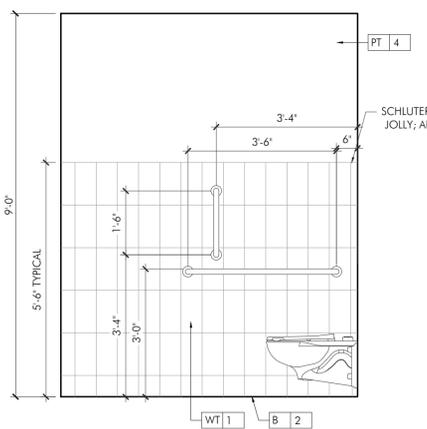


1 ADA RESTROOM 104 ENLARGED PLAN
A5.0 SCALE: 1/2" = 1'-0"

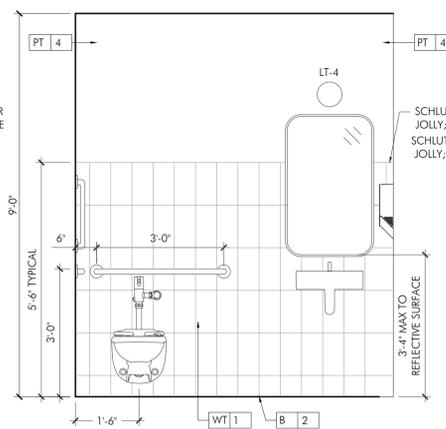


2 EMPLOYEE RESTROOM 108 ENLARGED PLAN
A5.0 SCALE: 1/2" = 1'-0"

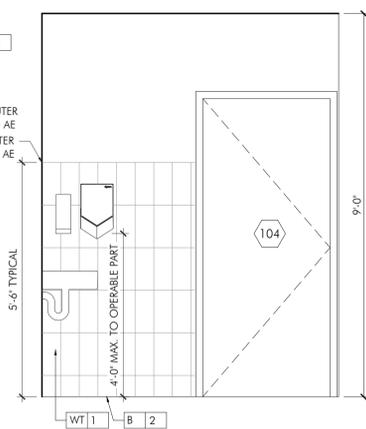
PLUMBING FIXTURE / ACCESSORIES SCHEDULE						
CODE	DESCRIPTION	MANUFACTURER	MODEL	FINISH	STYLE	COMMENTS
1	HAND DRYER - SURFACE MOUNTED	DYSON	AIRBLADE V	HU02 SPRAYED NICKEL		REFER TO 9/A5.0 FOR MOUNTING HEIGHTS; CONFIRM LOW VOLTAGE OR HIGH VOLTAGE MODEL PRIOR TO PURCHASING
2	SANITARY NAPKIN DISPOSAL - SURFACE MOUNTED	ULINE	H-3454	STAINLESS		REFER TO 9/A5.0 FOR MOUNTING HEIGHTS
3	TOILET TISSUE DISPENSER	CINTAS	27081	STAINLESS	SIGNATURE SERIES	REFER TO 9/A5.0 FOR MOUNTING HEIGHTS
4	ADA GRAB BARS	DELTA	18" GRAB BAR - 40118-SS 36" GRAB BAR - 401136-SS 42" GRAB BAR - 40142-SS	STAINLESS	401 SERIES	REFER TO 9/A5.0 FOR MOUNTING HEIGHTS
5	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	STAINLESS	CLASSIC SERIES	REFER TO 9/A5.0 FOR MOUNTING HEIGHTS
6	FACE MOUNTED COAT HOOK	BOBRICK	B-2216	STAINLESS		REFER TO 9/A5.0 FOR MOUNTING HEIGHTS; INSTALL ON EACH DOOR IN RESTROOM
7A	ADA LAVATORY SINK - WALL MOUNTED	DURAVIT	235050	WHITE	VERO AIR	REFER TO 9/A5.0 FOR MOUNTING HEIGHTS; ONE HOLE WITH OVERFLOW
7B	ADA FAUCET	DELTA	5911PA1250	CHROME		ELECTRONIC LAVATORY FAUCET WITH PROXIMITY SENSING TECHNOLOGY, 0.35 GPM
8	WALL MIRROR	BELL MANUFACTURING	24"X36"			REFER TO 9/A5.0 FOR MOUNTING HEIGHTS
9	ADA COMPLIANT SOAP DISPENSER	BOBRICK	B-2013	STAINLESS	SIGNATURE SERIES	REFER TO 9/A5.0 FOR MOUNTING HEIGHTS, OR APPROVED EQUAL
10	ADA COMPLIANT DRINKING FOUNTAIN	ELKAY	EZSTL8LC	LIGHT GRAY GRANITE		
11	ADA COMPLIANT TOILET	AMERICAN STANDARD	3351.528	WHITE	AFWALL MILLENNIUM	REFER TO 9/A5.0 FOR MOUNTING HEIGHTS
12	WATERBREAK	CINTAS	700003CT, 700001	STAINLESS		COUNTERTOP VERSION FOR BREAKROOM
13	KITCHEN SINK	KINDRED	QSL225 / 8-3	STAINLESS	STEEL QUEEN	ZH-8824-LR STRAINER P-3904 AND ADJUSTABLE P-TRAP P4001 C/W AMERICAN STANDARD "MONTERREY" MODEL 6540.170 FAUCET WITH VANDAL-RESISTANT WRIST BLADE HANDLES
14	AIR FRESHENER	CINTAS	27025	STAINLESS	SIGNATURE SERIES	
15	MOP SINK	FIAT	M582424	MOLDED STONE		G.C. TO INCLUDE FIAT #830AA WALL MOUNTED SERVICE SINK FAUCET



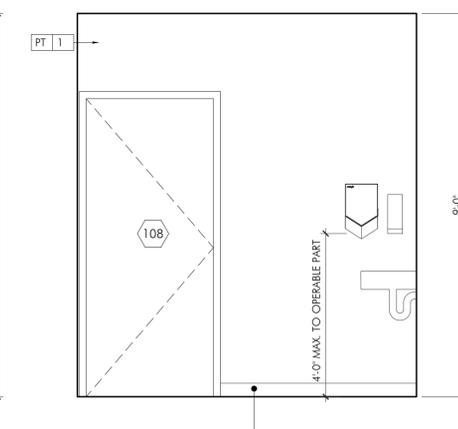
3 ADA RESTROOM 104 INT. ELEVATION
A5.0 SCALE: 1/2" = 1'-0"



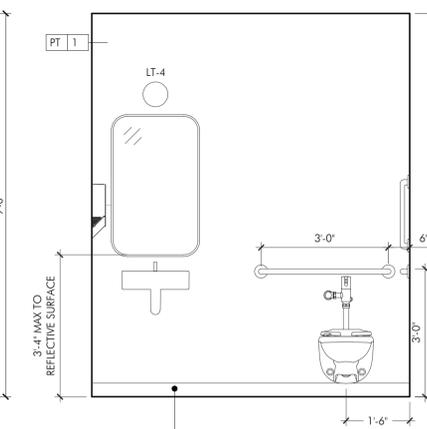
4 ADA RESTROOM 104 INT. ELEVATION
A5.0 SCALE: 1/2" = 1'-0"



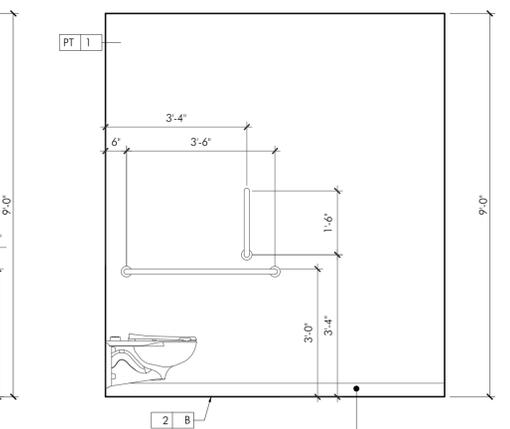
5 ADA RESTROOM 104 INT. ELEVATION
A5.0 SCALE: 1/2" = 1'-0"



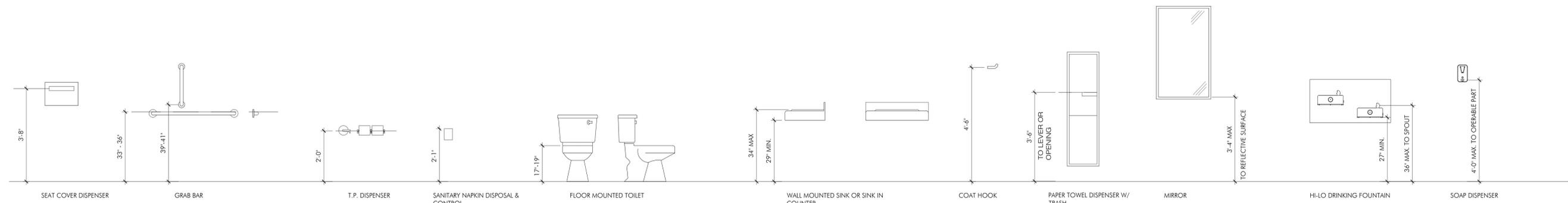
6 EMPLOYEE RR 108 INT. ELEVATION
A5.0 SCALE: 1/2" = 1'-0"



7 EMPLOYEE RR 108 INT. ELEVATION
A5.0 SCALE: 1/2" = 1'-0"



8 EMPLOYEE RR 108 INT. ELEVATION
A5.0 SCALE: 1/2" = 1'-0"



9 MAAB MOUNTING HEIGHTS
A5.0 SCALE: 1/2" = 1'-0"

PROJECT:
COMMERCIAL DISPENSARY FIT-OUT
TRULIEVE; ATTN. ROBERT JOYCE
6667 S SEMORAN BLVD, UNIT 102
ORLANDO, FL 32822

PROJECT NUMBER: 24030

COLWELL GROUP
132 CENTRAL STREET, SUITE 203, FOXBOROUGH, MA 02035
P. 508-241-2122 F. 508-455-4466 WWW.COLWELGROUP.COM

STAMP:
STATE OF FLORIDA
DENNIS COLWELL, JR., P.E.
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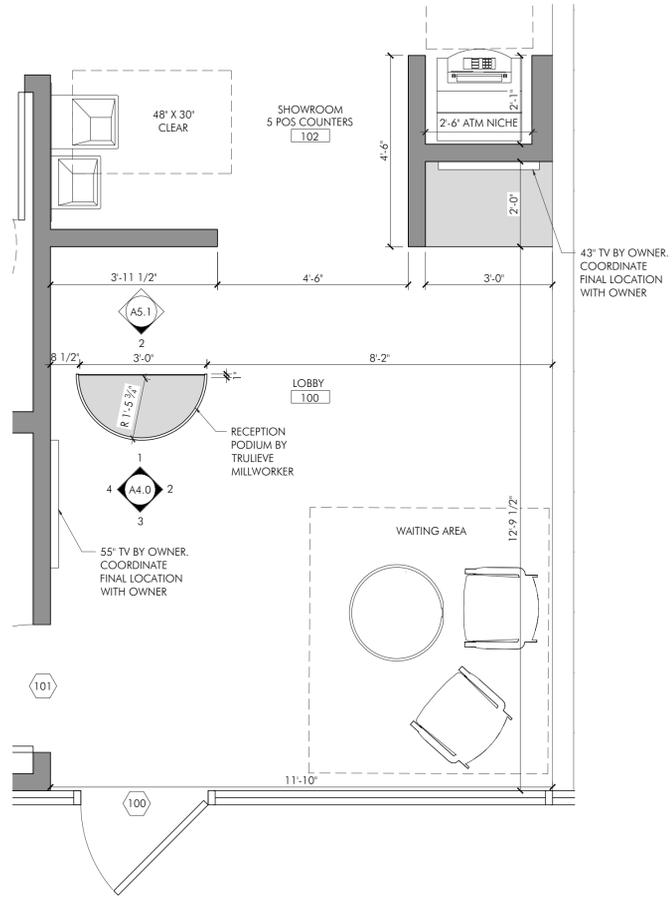
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DRAWN BY: MEH CHECKED BY: DMC

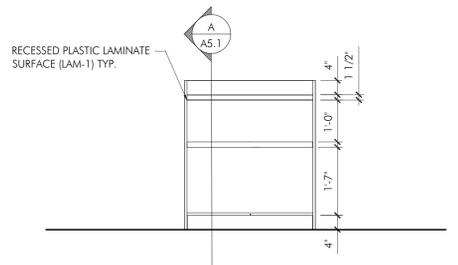
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RESTROOM ELEVATIONS AND DETAILS

DRAWING NUMBER:

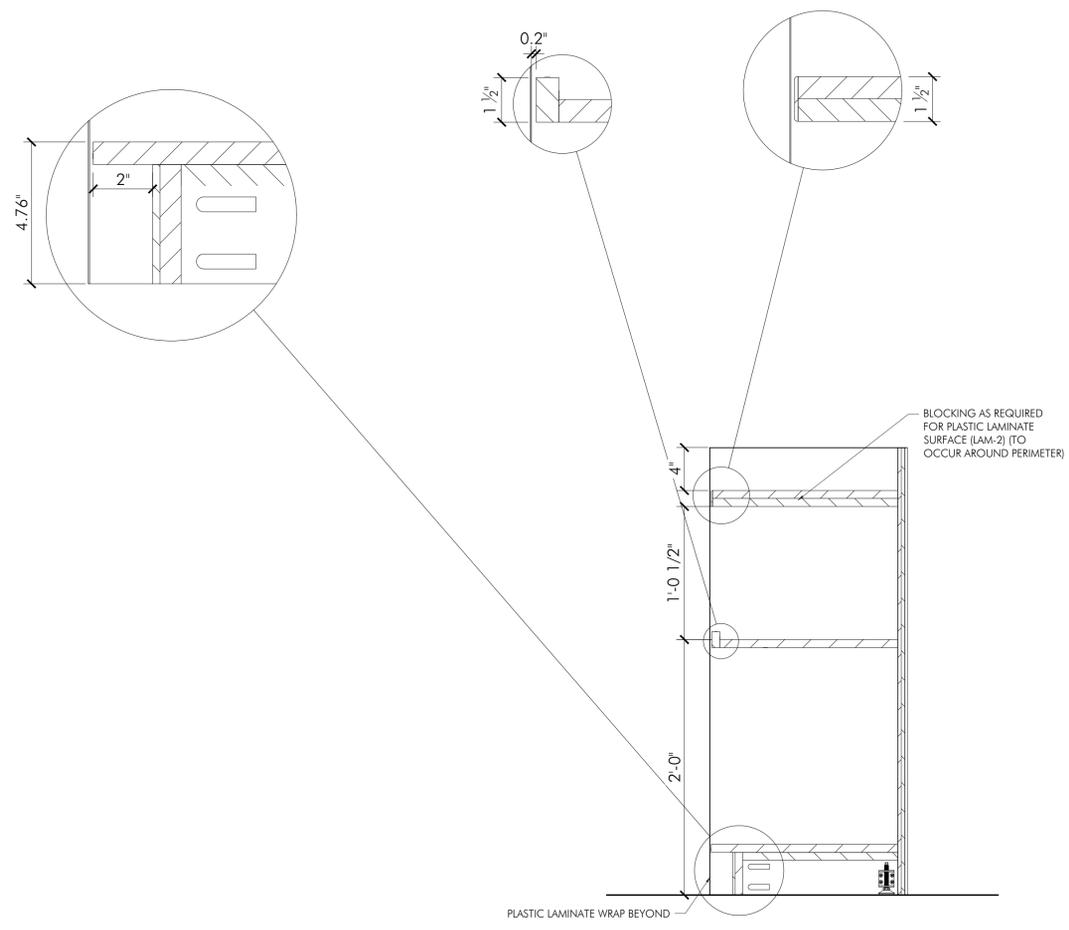
A5.0



1 LOBBY 100 ENLARGED PLAN
SCALE: 1/2" = 1'-0"

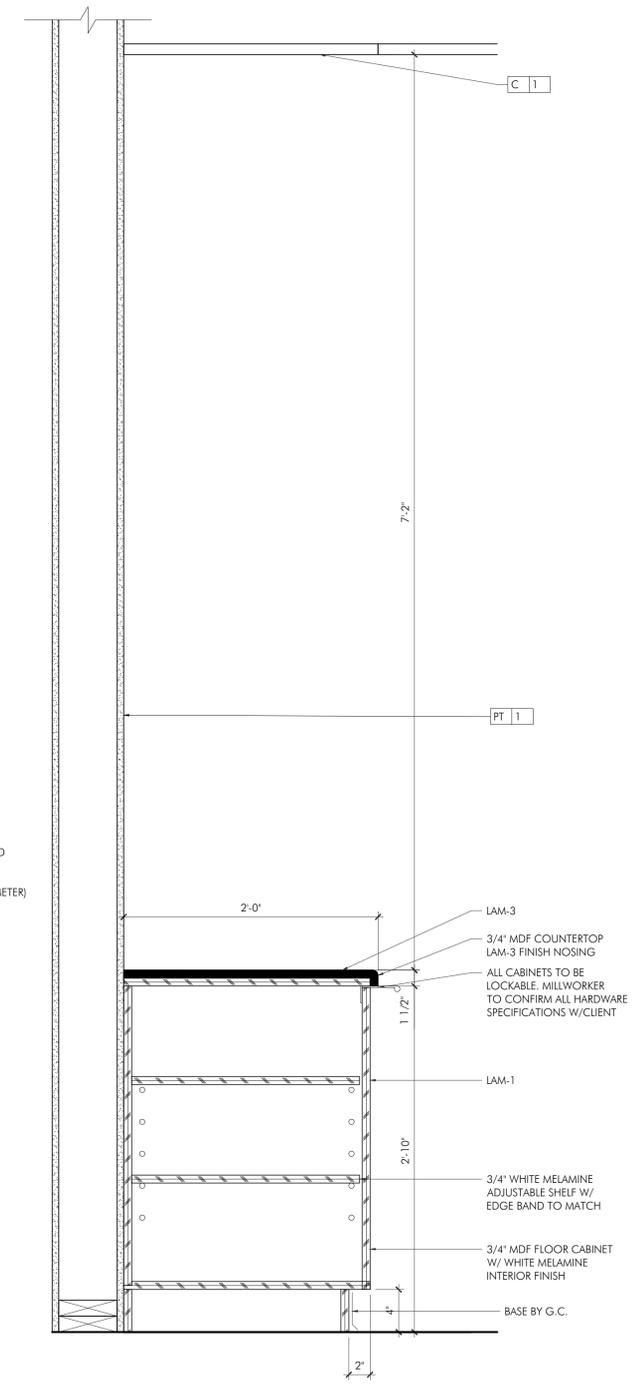


2 RECEPTION PODIUM ELEVATION
SCALE: 1/2" = 1'-0"



A RECEPTION DESK MILLWORK DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE:
SHOP DRAWINGS TO BE PROVIDED PRIOR TO
FABRICATION FOR REVIEW AND COMMENT



B LOBBY STORAGE WALL SECTION
SCALE: 1-1/2" = 1'-0"

NOTE:
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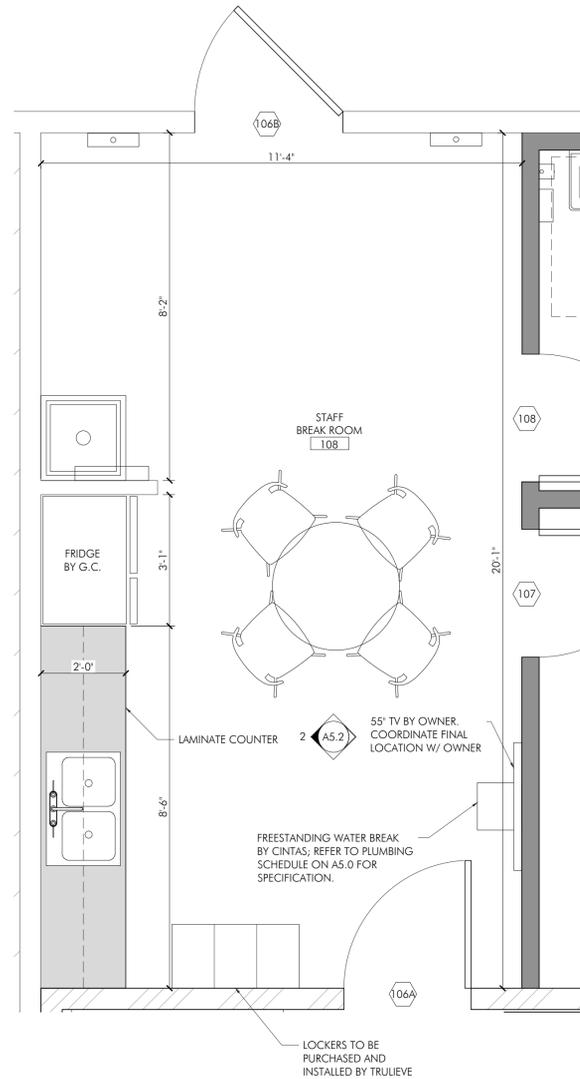
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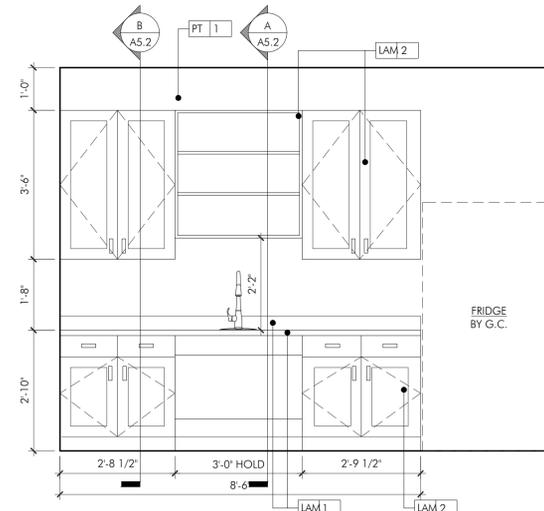
DRAWING TITLE:
LOBBY ELEVATIONS AND DETAILS

DRAWING NUMBER:

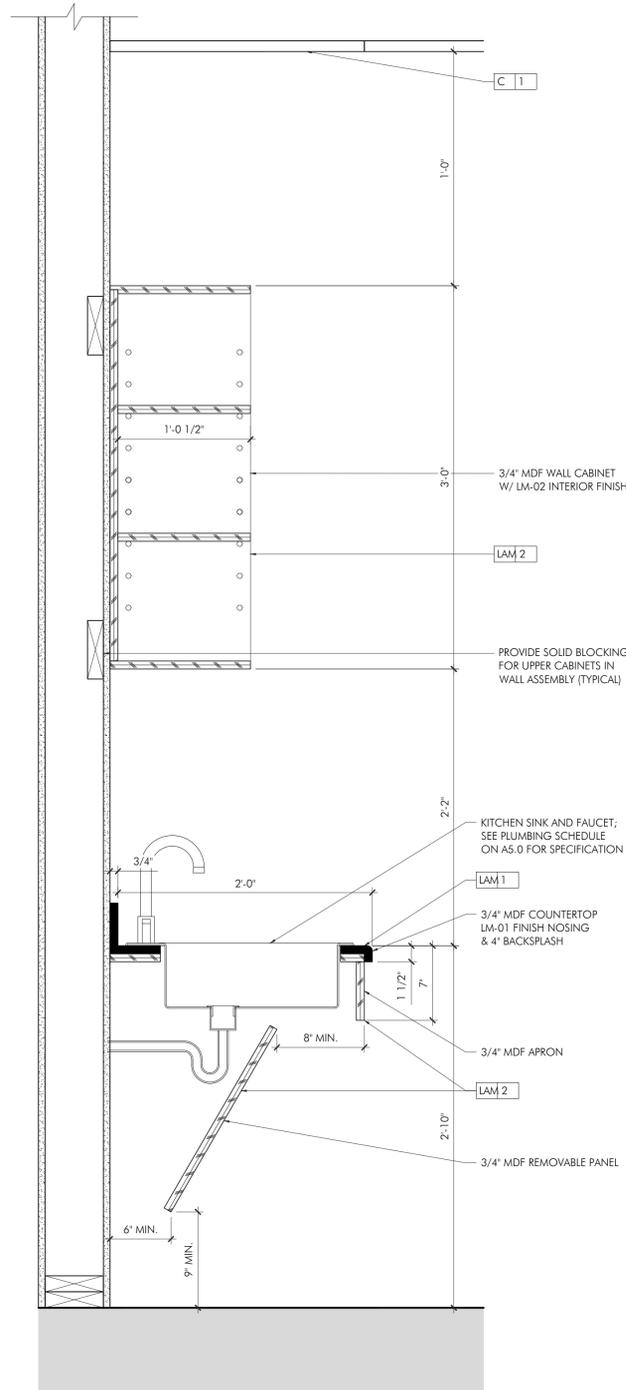
A5.1



1 STAFF BREAKROOM 109 ENLARGED PLAN
SCALE: 1/2" = 1'-0"

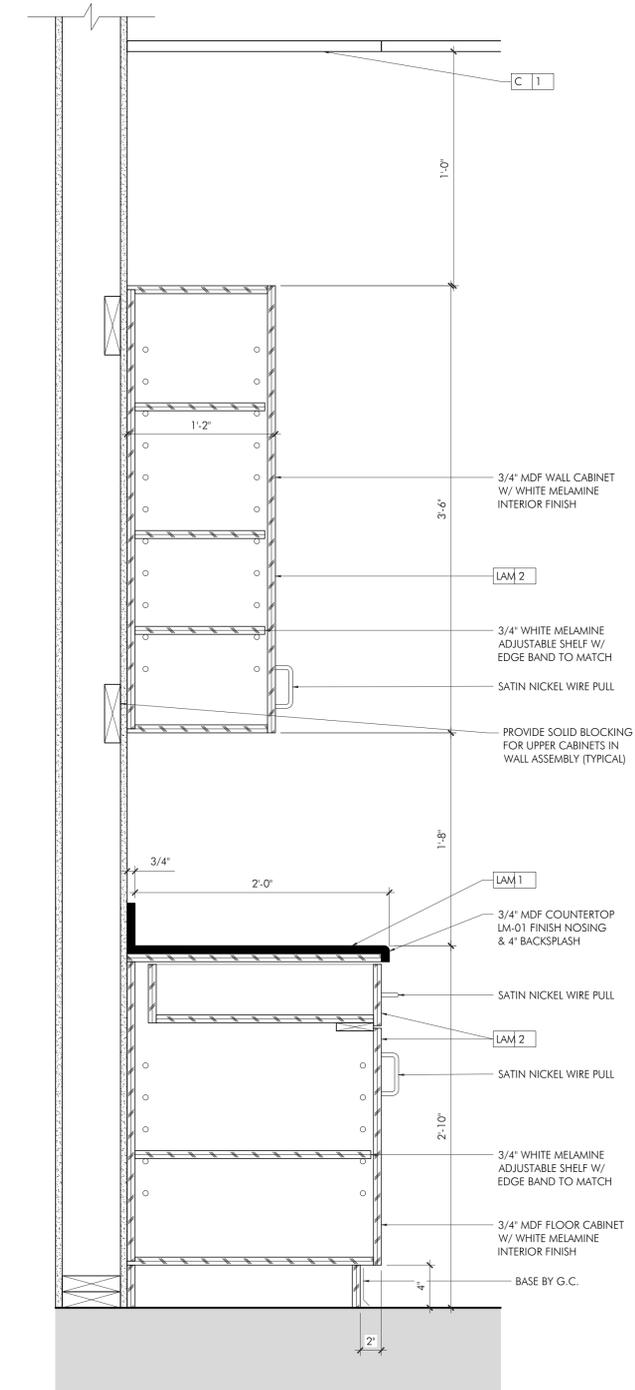


2 STAFF BREAKROOM 108 INT. ELEVATION
SCALE: 1/2" = 1'-0"



A STAFF BREAK ROOM 108 MILLWORK DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE: SHOP DRAWINGS TO BE PROVIDED PRIOR TO FABRICATION FOR REVIEW AND COMMENT



B STAFF BREAK ROOM 108 MILLWORK DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE: SHOP DRAWINGS TO BE PROVIDED PRIOR TO FABRICATION FOR REVIEW AND COMMENT

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

DRAWN BY: MEH CHECKED BY: DMC

DRAWING TITLE:
BREAK AREA ELEVATIONS AND DETAILS

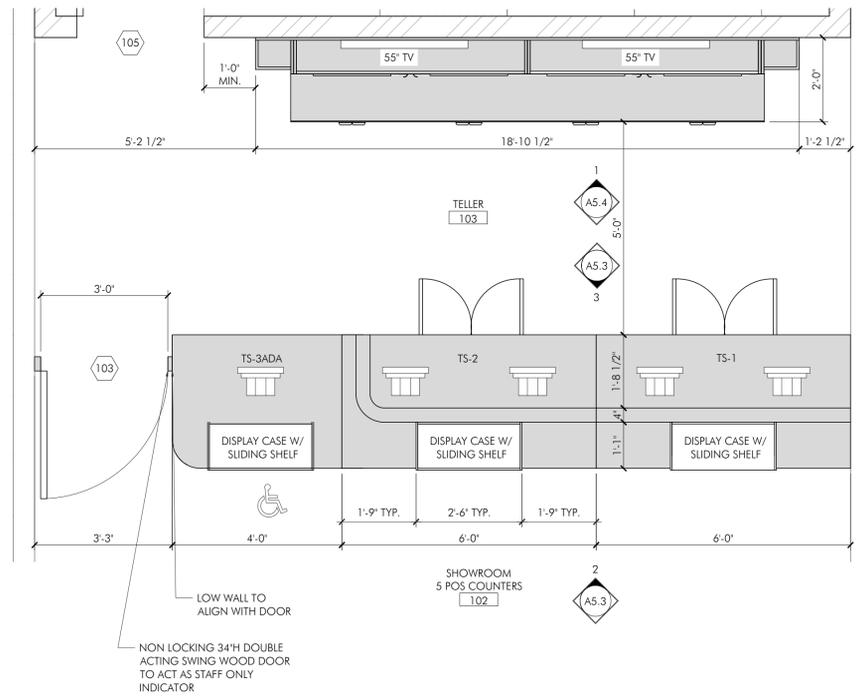
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A5.2

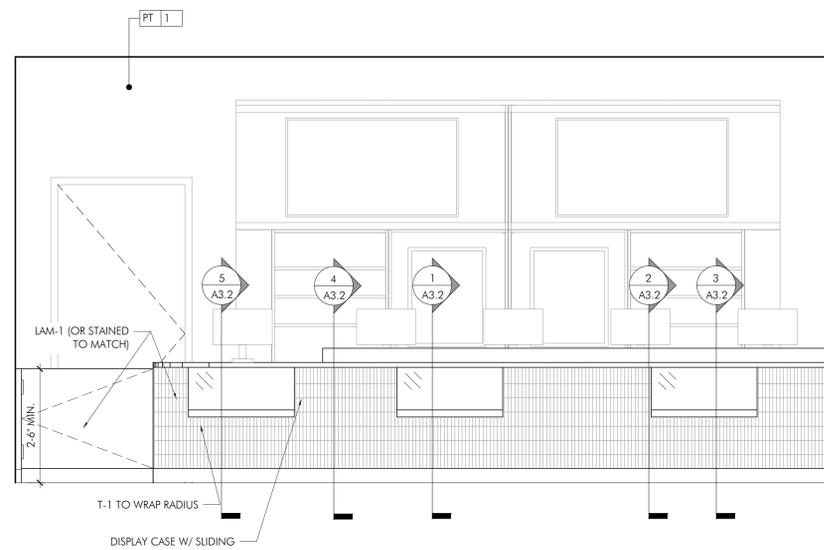
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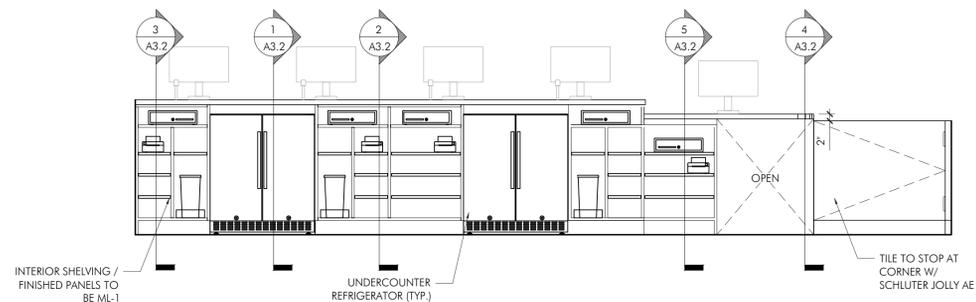
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1 SHOWROOM 102 & TELLER 103 ENLARGED PLAN
 SCALE: 1/2" = 1'-0"



2 TELLER 103 INT. ELEVATION
 SCALE: 1/2" = 1'-0"



3 BACK OF TELLER 103 INT. ELEVATION
 SCALE: 1/2" = 1'-0"

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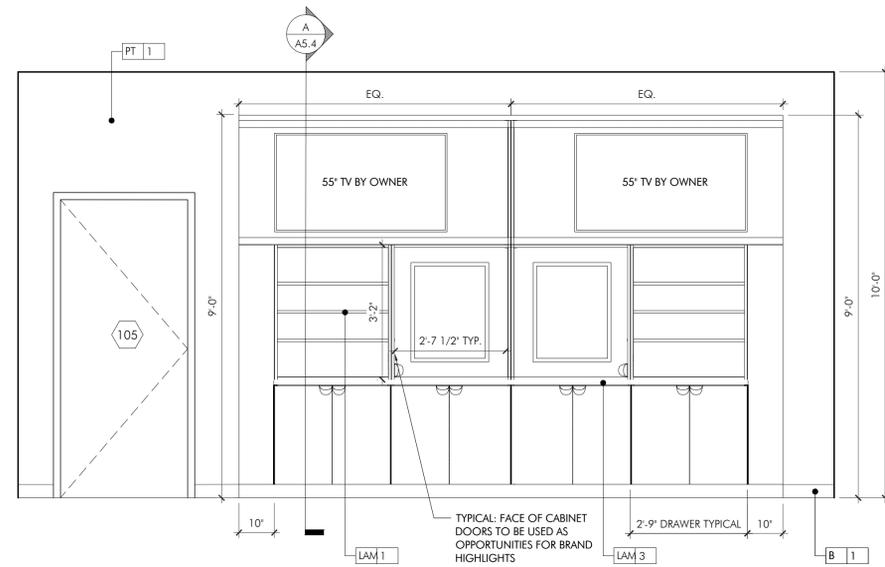
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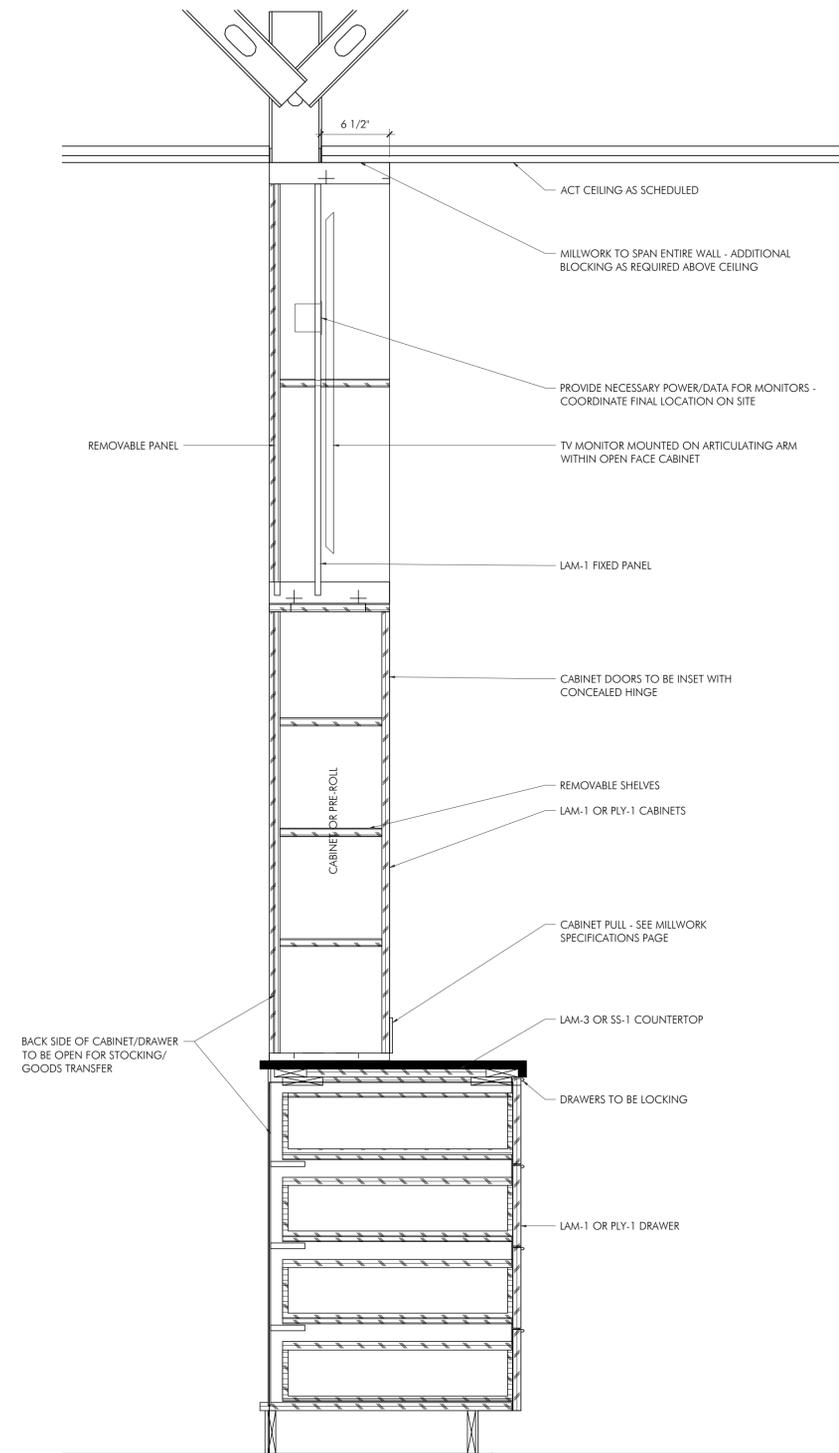
DRAWING TITLE:
 TELLER LINE ELEVATIONS AND DETAILS

DRAWING NUMBER:

A5.3



1
A5.4 TELLER 103 INT. ELEVATION
SCALE: 1/2" = 1'-0"



A
A5.4 TYPICAL SECTION @ TELLER BACK WALL
SCALE: 1-1/2" = 1'-0"

NOTE:
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DRAWN BY: MEH CHECKED BY: DMC

DRAWING TITLE:
TELLER LINE ELEVATIONS AND DETAILS

DRAWING NUMBER:

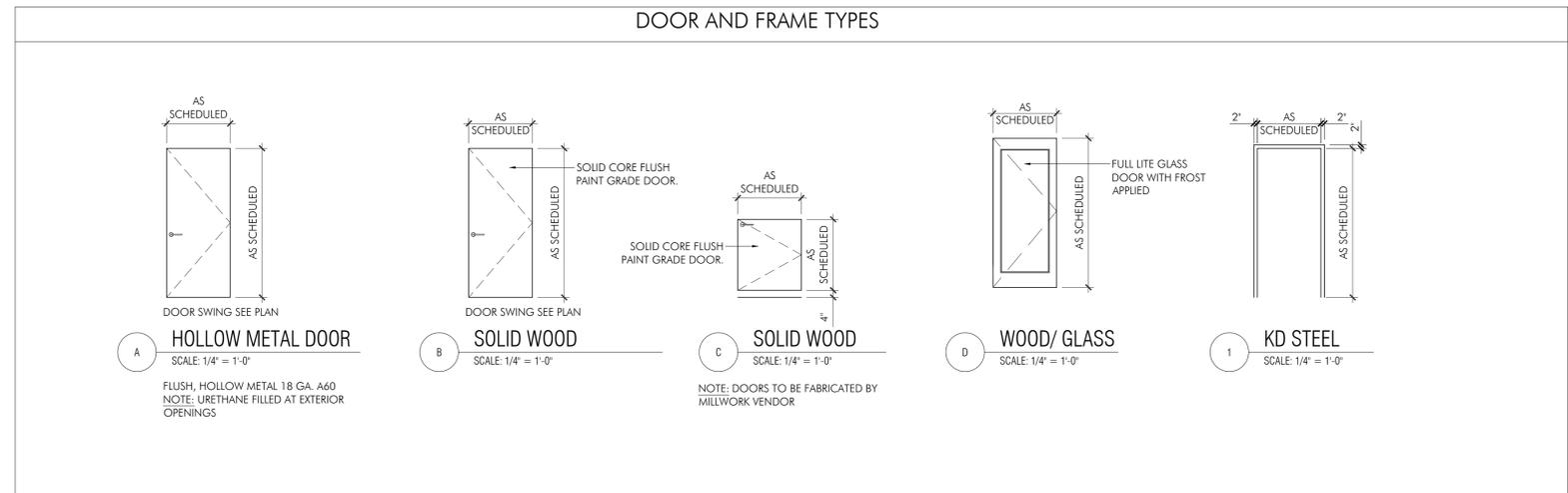
A5.4

DOOR SCHEDULE														
DOOR INFORMATION								FRAME INFORMATION					HARDWARE SET	COMMENTS
DOOR NO.	LOCATION	DOOR SIZE	DOOR TYPE	DOOR MATERIAL	PUSH DOOR FINISH	PULL DOOR FINISH	RATING	FRAME TYPE	FRAME MATERIAL	PUSH FRAME FINISH	PULL FRAME FINISH	RATING		
100	LOBBY 100	3'-0" X 7'-0"	EXI.	ALUM./GLASS	ALUM.	ALUM.	-	EXI.	H.M.	ALUM.	ALUM.	-	EXI.	
101	CONSULT ROOM 101	3'-0" X 7'-0"	D	WD/GLASS	PT-01	PT-01	-	1	H.M.	PT-01	PT-01	-	HW-05	G.C. TO COORDINATE CARD ACCESS CONTROL AS REQUIRED BY REGULATION THROUGH PODIUM
103	TELLER 103	3'-0" X 2'-10"	C	WD	WD	WD	-	1	H.M.	PT-01	PT-01	-	HW-03	DOOR TO BE FABRICATED BY MILLWORK SHOP
104	ADA RESTROOM 104	3'-0" X 7'-0"	B	WD	PT-01	PT-01	-	1	H.M.	PT-01	PT-01	-	HW-04	
105	SECURED STORAGE 105	3'-0" X 7'-0"	A	HM	PT-01	PT-01	-	1	H.M.	PT-01	PT-01	-	HW-01	CARD ACCESS REQUIRED, VERIFY WITH SECURITY VENDOR
106A	STAFF BREAKROOM 106	3'-0" X 7'-0"	A	HM	PT-01	PT-01	-	1	H.M.	PT-01	PT-01	-	HW-01	CARD ACCESS REQUIRED, VERIFY WITH SECURITY VENDOR
106B	STAFF BREAKROOM 106	3'-0" X 7'-0"	EXI.	EXI.	PT-01	PT-01	-	EXI.	H.M.	PT-01	PT-01	-	HW-02	CARD ACCESS REQUIRED, VERIFY WITH SECURITY VENDOR
107	MANAGER'S OFFICE/DATA 107	3'-0" X 7'-0"	B	WD	PT-01	PT-01	-	1	H.M.	PT-01	PT-01	-	HW-01	CARD ACCESS REQUIRED, VERIFY WITH SECURITY VENDOR
108	EMPLOYEE RESTROOM 108	3'-0" X 7'-0"	B	WD	PT-01	PT-01	-	1	H.M.	PT-01	PT-01	-	HW-04	

DOOR HARDWARE LEGEND	
SET	HARDWARE
HW-01	3 HINGES 1 STOREROOM LOCKSET 1 CARD READER (BY OWNER) 1 ELECTRIC STRIKE 1 CLOSER 1 WALL STOP
HW-02	3 HINGES 1 PANIC DEVICE 1 CARD READER (BY OWNER) 1 ELECTRIC STRIKE 1 CLOSER 1 THRESHOLD 1 WEATHERSTRIPPING
HW-03	2 HINGES 1 STOREROOM LOCKSET 1 WALL STOP ** HARDWARE TO BE PROVIDED BY MILLWORK SHOP
HW-04	3 HINGES 1 PRIVACY LOCKSET W/ OCCUPANCY INDICATOR 1 CLOSER 1 WALL STOP
HW-05	3 HINGES 1 STOREROOM LOCKSET 1 CLOSER 1 WALL STOP

**G.C. TO COORDINATE SECURITY CARD ACCESS WITH CLIENT
**DOORS WITH CARD ACCESS REQUIRE CARD READER & ELECTRIC STRIKE

DOORS / FRAMES / HARDWARE NOTES	
1. VERIFY ALL HARDWARE FUNCTIONS AND KEYING REQUIREMENTS BY SUBMITTAL WITH OWNER AND ARCHITECT PRIOR TO ORDERING HARDWARE.	10. ALL DOOR HARDWARE TO COMPLY WITH STATE HANDICAP CODE REQUIREMENTS AND ADA REQUIREMENTS.
2. PROVIDE CORES FOR ALL LOCKSETS TO MATCH BUILDING STANDARD, IF APPLICABLE. CORES SHALL BE INTERCHANGEABLE AND CUSTOM KEYED TO SATISFY OWNERS NEEDS.	11. UNLESS OTHERWISE NOTED, WOOD DOORS TO BE 5 PLY SOLID CORE.
3. PROVIDE DOOR AND/OR FRAME MOUNTING PLATES WHERE REQUIRED FOR PROPER CLOSER INSTALLATION.	12. G.C. TO SUBMIT PRODUCT DATA / SHOP DRAWINGS TO ARCHITECT FOR APPROVAL FOR ALL DOORS, FRAMES, & HARDWARE.
4. PREPARE STEEL FRAMES TO RECEIVE FINISH HARDWARE INCLUDING CUTOUTS, REINFORCING, DRILLING AND TAPPING. WELD EXPOSED MITRED JOINTS CONTINUOUSLY, GRIND, DRESS AND MAKE SMOOTH, FLUSH, AND INVISIBLE ALL WELDED JOINTS. SHOP PRIME EXPOSED SURFACES.	13. CAULK ALL AROUND HEAD, JAMB, AND SILL, AT JUNCTURE OF H.M. FRAMES TO WALL FINISH.
5. HINGES SHALL BE FULL MORTISE, FIVE KNUCKLE, FLAT TIP, COMMERCIAL BALL BEARING TYPE; STANLEY OR APPROVED EQUAL, UNLESS NOTED OTHERWISE.	14. VERIFY FRAME HEIGHTS BASED ON TOP OF SLAB AND FINISH FLOOR CONDITIONS AT EACH FRAME.
6. LOCKSETS SHALL BE SELECTED BY TENANT WITH LEVER HARDWARE UNLESS SCHEDULED OTHERWISE. HARDWARE TO COMPLY WITH STATE HANDICAP CODE REQUIREMENTS.	15. PROVIDE 20 GA. DOUBLE STUD FRAMING AT JAMBS.
7. INTERIOR DOOR HARDWARE FINISH: MATTE BLACK	16. PROVIDE 1/2" UNDERCUT AT BOTTOM OF DOORS UNLESS NOTED OTHERWISE.
8. ALL NEW INTERIOR DOORS TO HAVE 16 GA. KNOCK-DOWN HOLLOW METAL FRAMES, FACTORY PRIMED, UNLESS NOTED OTHERWISE.	17. THE HINGE SIDE OF ALL DOOR FRAMES SHALL BE LOCATED 4" FROM ADJACENT WALL UNLESS INDICATED/NOTED OTHERWISE.
9. PROVIDE MANUFACTURERS STANDARD REINFORCING CLIPS AT KNOCK-DOWN FRAME CORNERS.	18. PROVIDE MIN. (3) JAMB ANCHORS PER JAMB @ NEW DOOR FRAMES.
	19. ALL DOOR CLOSERS (NEW AND EXISTING) SHALL BE COMPLIANT W/ STATE HANDICAP CODE OPENING FORCE REQUIREMENTS.
	20. G.C. TO COORDINATE ALL SECURITY CAMERAS, WIRING, ELECTRIC STRIKES ETC. WITH DOOR AND HARDWARE SUPPLIER AND ELECTRICAL CONTRACTOR.



PROJECT:
COMMERCIAL DISPENSARY FIT-OUT
TRULIEVE; ATTN. ROBERT JOYCE
6667 S SEMORAN BLVD, UNIT 102
ORLANDO, FL 32822

PROJECT NUMBER: 24030



STAMP:
This is has been electronically signed and sealed by Dennis Colwell Jr., R.A. using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

ISSUE: DATE:
ISSUE FOR PERMIT 04.08.2024

DRAWING SCALE: 1/4" = 1'-0"
DRAWN BY: MEH CHECKED BY: DMC

DRAWING TITLE:
FLOOR PLANS

DRAWING NUMBER:
A6.0

GENERAL NOTES

- PERFORM WORK IN ACCORDANCE WITH APPLICABLE NATIONAL AND STATE CODES AS AMENDED LOCALLY AND ENFORCED BY THE AHJ.
- OBTAIN AND PAY FOR PERMITS REQUIRED FOR INSTALLATION OF WORK. ARRANGE AND SCHEDULE REQUIRED INSPECTIONS.
- DRAWINGS ARE DIAGRAMMATIC IN NATURE. PROVIDE COMPONENTS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM WHETHER OR NOT SPECIFICALLY SHOWN ON THE DRAWINGS.
- DEVICE LOCATIONS ARE APPROXIMATE. COORDINATE DEVICE LOCATIONS AND ELEVATIONS WITH APPROPRIATE DOCUMENTS INCLUDING CASEWORK SHOP DRAWINGS AND ARCHITECTS INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- COORDINATE ELECTRICAL WORK WITH THAT OF OTHER TRADES. REFER TO MECHANICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, AND LANDSCAPE DRAWINGS AND SPECIFICATIONS. COORDINATION SHALL OCCUR PRIOR TO FABRICATION, PURCHASE, AND INSTALLATION OF WORK.
- COORDINATE LOCATION OF LIGHT FIXTURES AND CEILING-MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS.
- PROVIDE RATED ENCLOSURES AROUND ALL LIGHT FIXTURES PENETRATING RATED CEILINGS. COORDINATE WITH ARCHITECTURAL.
- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION/SEISMIC JOINTS. PROVIDE RACEWAY EXPANSION/SEISMIC JOINTS FOR RACEWAYS CROSSING BUILDING EXPANSION/SEISMIC JOINTS.
- DEMOLISH EXISTING SYSTEMS AS INDICATED ON PLANS OR AS REQUIRED FOR INSTALLATION OF NEW WORK. MATERIAL SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF OFF-SITE UNLESS OTHERWISE DIRECTED. RETURN ITEMS TO OWNER IN EXISTING CONDITION WHEN DIRECTED BY OWNER.
- COMPLETION OF WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE PROJECT SCHEDULE. SCHEDULE INSTALLATION WITH OTHER TRADES TO ENSURE PROJECT MILESTONES ARE MET.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY RACEWAY, BOX, CONDUCTOR, OR SIMILAR ITEMS FOR A COMPLETE INSTALLATION. PROVIDE ITEMS NECESSARY FOR COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM.
- BRANCH CIRCUIT HOMERUNS ARE SHOWN TO INDICATE CIRCUIT PROPERTIES AND CONFIGURATION. SINGLE-CIRCUIT HOMERUNS SERVED FROM THE SAME PANELBOARD MAY BE COMBINED IN ACCORDANCE WITH THE DIVISION 26 SPECIFICATIONS, UNLESS INDICATED OTHERWISE. EXTEND AND CONNECT BRANCH CIRCUIT RACEWAY AND WIRING FROM HOMERUN TO DEVICES AND EQUIPMENT WITH CIRCUIT NUMBERS INDICATED. CONDUCTOR QUANTITIES AND SIZES ARE INDICATED AT HOMERUNS ONLY. SHOW ACTUAL RACEWAY ROUTING AND CIRCUITING ON RECORD DRAWINGS. MINIMUM CONDUCTOR SIZE #12 AWG.
- LIGHT FIXTURES MOUNTED IN CONTINUOUS ROWS SHALL BE THROUGH-WIRED VIA FIXTURE INTERNAL WIREWAYS. CIRCUITS AS INDICATED ON DRAWINGS. FIXTURES NOT LISTED FOR THROUGH WIRING SHALL BE WIRED VIA SEPARATE RACEWAY AND WIRING SYSTEM EXTERNAL TO THE FIXTURES. PROVIDE RACEWAYS, WIRING AND CONNECTIONS FOR A COMPLETE AND OPERATIONAL SYSTEM.
- PROVIDE BIDDER DESIGN FIRE ALARM SYSTEM MODIFICATIONS AS REQUIRED BY CODES ASSOCIATED WITH THE TENANT IMPROVEMENTS. REFER TO DIVISION 28 SPECIFICATIONS. DEVICES SHOWN ON DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. PROVIDE ADDITIONAL DETECTION, NOTIFICATION AND SUPERVISORY DEVICES AS REQUIRED BY CODES.

NON-STRUCTURAL ELECTRICAL COMPONENT NOTES

- THE FOLLOWING ITEMS ARE TAKEN DIRECTLY FROM THE 2015 INTERNATIONAL BUILDING CODE AND FROM THE AMERICAN SOCIETY OF CIVIL ENGINEERS' (ASCE) STANDARD 7. THE CONTRACTOR SHALL REFER TO THE ABOVE FOR ADDITIONAL INFORMATION, EXCEPTIONS, AND FURTHER DESCRIPTIONS. THE CONTRACTOR SHALL ADHERE TO REQUIREMENTS AND AS SUCH, SHALL BE INCLUDED WITHIN BID. ALSO REFER TO SPECIFICATIONS.
- 2015 IBC, 1613.1.3 SCOPE: ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND NON-STRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7, EXCLUDING CHAPTER 14 AND APPENDIX 11A.
- ASCE 7-02, 11A.1.2.2 CONTRACTOR RESPONSIBILITY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE AUTHORITY HAVING JURISDICTION AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL INCLUDE THE FOLLOWING:
 - ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN;
 - ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE AUTHORITY HAVING JURISDICTION;
 - PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS; AND
 - IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.
- DIVISION 26 RESPONSIBILITIES:**
 - HANGERS AND SEISMIC BRACING FOR ELECTRICAL SYSTEMS SHALL BE DESIGNED AND SPECIFIED BY DIVISION 26. DIVISION 26 SHALL REFER TO THE ELECTRICAL DRAWINGS FOR LOCATIONS OF EQUIPMENT AND ELECTRICAL SYSTEMS AS STRUCTURAL DRAWINGS DO NOT SHOW THE LOCATIONS OF ELECTRICAL EQUIPMENT, RACEWAYS, AND OTHER COMPONENTS.
 - DIVISION 26 SHALL COORDINATE THE SUPPORT SYSTEMS AND DESIGN LOADS FOR HUNG RACEWAYS AND OTHER ELECTRICAL SYSTEMS INCLUDING COMBINED MULTIPLE RACEWAY RUNS) WITH THE GENERAL CONTRACTOR AND THE STEEL AND WOOD JOIST MANUFACTURERS IN ADDITION TO OTHER TRADES THAT MAY BE IMPACTED.

ELECTRICAL DEMOLITION NOTES

- VISIT AND EXAMINE THE SITE PRIOR TO INITIATION OF WORK TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- DISPOSE OF ALL REMOVED EQUIPMENT UNLESS DIRECTED TO DO OTHERWISE BY THE OWNER.
- DISCONNECT, REMOVE OR RELOCATE EXISTING ELECTRICAL INSTALLATION AS INDICATED. THIS INCLUDES, BUT NOT LIMITED TO LIGHT FIXTURES, WIRING DEVICES, SIGNAL EQUIPMENT, EXHAUST FANS, ETC.
- REMOVE ALL CONDUIT, WIRE, BOXES AND FASTENING DEVICES AS REQUIRED TO AVOID ANY INTERFERENCE WITH NEW INSTALLATION. CONDUIT IN AREAS NOT EXPOSED IN THE COURSE OF THE WORK SHALL BE ABANDONED AND CAPPED AT BOTH ENDS.
- RECONNECT ANY EQUIPMENT BEING DISTURBED BY THESE RENOVATIONS YET REQUIRED FOR CONTINUED SERVICE. COORDINATE WITH OWNER PRIOR TO INTERRUPTIONS AND RECONNECTIONS.
- WHERE WORK (WALL REMOVAL, NEW OR RELOCATED WALL OPENING, ETC.) RESULTS IN THE REMOVAL OF DEVICES, DISCONNECT OR RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING ON THAT CIRCUIT SYSTEM.
- REMOVE ALL EXISTING LIGHTING FIXTURES AND POWER SYSTEMS AS INDICATED OR REQUIRED TO CLEAR AREA FOR NEW INSTALLATION.
- REMOVE ALL CONDUCTORS, CONDUIT AND SURFACE RACEWAYS ASSOCIATED WITH DEVICE REMOVAL.
- REMOVAL ALL ELECTRICAL AND LOW VOLTAGE DEVICES, CONDUCTORS AND RACEWAYS ASSOCIATED WITH CEILING, WALL AND CASEWORK REMOVAL/DEMOLITION. REFER TO ARCHITECTURAL DRAWINGS.
- REMOVE ALL FEEDERS AND BRANCH CIRCUITS OF ALL MECHANICAL EQUIPMENT BEING REMOVED OR RELOCATED. REMOVE ASSOCIATED CONDUIT AND CONDUCTORS BACK TO POINT OF SUPPLY. COORDINATE WITH MECHANICAL DRAWINGS.
- COORDINATE EXTENT AND SCOPE OF DEMOLITION IN ALL SPACES WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND OTHER SYSTEMS.
- REMOVE ALL CONDUCTORS, CONDUIT, AND RACEWAYS THAT ARE NO LONGER IN USE.
- FIRE ALARM SYSTEM DEVICES WITHIN TENANT SPACES SHALL BE SEPARATED FROM BUILDING SURFACES SCHEDULED FOR DEMOLITION. SUPPORT IN SAME VICINITY TEMPORARILY FOR POTENTIAL RELOCATION. MAINTAIN FIRE ALARM SYSTEM WIRING AND TERMINATIONS.

ENERGY CODE NOTES

- RECORD DRAWINGS: SUBMIT TO THE BUILDING OWNER PER ENERGY CODE ENFORCED BY THE LOCAL AHJ.
- OPERATION AND MAINTENANCE MANUALS: SUBMIT TO THE BUILDING OWNER PER ENERGY CODE ENFORCED BY THE LOCAL AHJ.
- THIS BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGNED TO COMPLY WITH ENERGY CODE ENFORCED BY THE LOCAL AHJ. CONTRACTOR IS RESPONSIBLE FOR CORRECT INSTALLATION OF ENERGY CONSERVATION MEASURES.
- LIGHTING CONTROL SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS: TEST SYSTEMS TO ENSURE THAT BUILDING SYSTEMS HAVE BEEN INSTALLED AND FUNCTION PROPERLY AND EFFICIENTLY, AND CAN BE MAINTAINED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND OPERATIONAL REQUIREMENTS PER ENERGY CODE ENFORCED BY THE AHJ. REFER TO SPECIFICATIONS FOR ADDITIONAL COMMISSIONING REQUIREMENTS.

LIGHTING DEVICE LEGEND

3	20A 3 WAY SWITCH REFER TO ARCHITECTURAL PLANS FOR COLOR
§	STANDARD 20A SINGLE POLE SWITCH REFER TO ARCHITECTURAL PLANS FOR COLOR
OS	20A WALL MOUNTED OCCUPANCY SWITCH COMBO REFER TO ARCHITECTURAL PLANS FOR COLOR
	CEILING MOUNTED OCCUPANCY SENSOR. CRESTRON/STEINEL IR QUATTRO HD COM-24 OR EQUIVALENT.

ELECTRICAL EQUIPMENT LEGEND

	PANELBOARD CONFIRM SIZE WITH ONLINE AND LOCATION WITH POWER PLANS. (NEMA 3R OR BETER IF OUTDOORS UNO)
--	---

ELECTRICAL FIXTURE LEGEND

	DISCONNECT. NEMA 3R IF LOCATED IN WET ENVIRONMENTS (UNO). FUSED DISCONNECTS DENOTED WITH BLACK TRIANGLE AND MOTOR STARTERS DENOTED WITH AN X. REFER TO PANEL AND EQUIPMENT SCHEDULES FOR SIZING.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED AT 1' 6" AFF (UNO)
	ABOVE COUNTER DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED AT 3' 8" AFF (UNO)
	ABOVE COUNTER DUPLEX GFCI RECEPTACLE, NEMA 5-20R, MOUNTED AT 3' 8" AFF (UNO) ENSURE THAT DEVICE IS READILY ACCESSIBLE.
	QUADRUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED AT 1' 6" AFF (UNO)
	ABOVE COUNTER QUADRUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED AT 3' 8" AFF (UNO)
	ABOVE COUNTER QUADRUPLEX GFCI RECEPTACLE, NEMA 5-20R, MOUNTED AT 3' 8" AFF (UNO) ENSURE THAT DEVICE IS READILY ACCESSIBLE.
	SPECIALTY RECEPTACLE CONTRACTOR SHALL CONFIRM NEMA CONFIGURATION AND AMPERAGE PRIOR TO INSTALL

LOW VOLTAGE DEVICE LEGEND

	CARD READER ACCESS CONTROL
	DATA DEVICE ROUGH-IN LOCATION, MOUNTED AT 1' 6" AFF (UNO)

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TRELIVE, ATTN. ROBERT JOYCE	
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ORLANDO, FL 32822	

PROJECT NUMBER:	24030
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CORE STATES GROUP

212 SE 34TH STREET
SUITE 2
BENTONVILLE, AR 72712
479.864.4800
WWW.CORE-STATES.COM

STAMP:



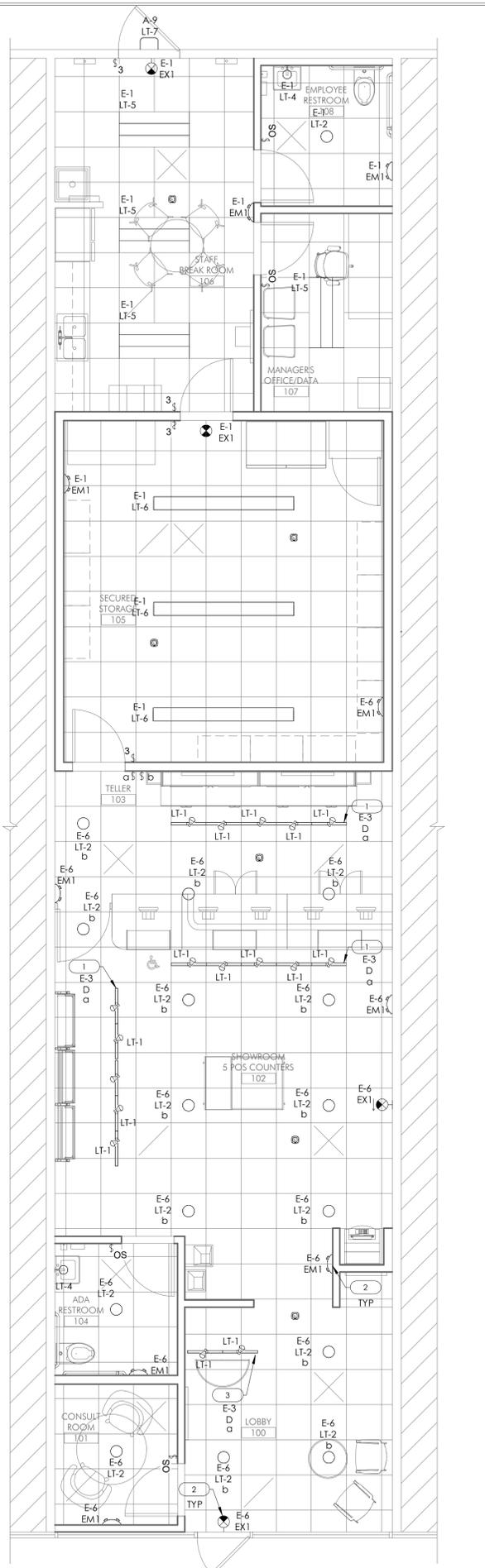
DESCRIPTION	DATE
PERMIT SET	04/11/2024

DRAWING SCALE: AS NOTED

DRAWN BY: T SMITH CHECKED BY: C WHITESIDE

DRAWING TITLE: ELECTRICAL LEGEND & NOTES

DRAWING NUMBER: E0.1



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

LIGHTING FIXTURE SCHEDULE

GENERAL NOTES
 A. MANUFACTURER'S LABELS SHALL NOT BE VISIBLE FROM THE FLOOR FOR ALL LIGHT FIXTURES
 B. COORDINATE FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING FOR ALL FIXTURES.

NOTES:
 1. VERIFY MOUNTING HEIGHT WITH ARCHITECT AND COORDINATE CORRESPONDING PENDANT MOUNTING HARDWARE LENGTH WITH FIXTURE MANUFACTURER.
 2. EXIT SIGNS, PROVIDE ALL DIRECTIONAL ARROWS, DOUBLE FACEPLATES, OR BLANK FACEPLATES AS REQUIRED TO CLEARLY IDENTIFY PATH OF EGRESS. COORDINATE MOUNTING TYPE WITH REFLECTED.
 3. FIXTURE TO HAVE FINISH AS SPECIFIED BY ARCHITECT.
 4. PROVIDE ALL MOUNTING CLIPS, JOINTS, AND ANY OTHER NECESSARY APPURTENANCES FOR ROW MOUNTING.
 5. COORDINATE MOUNTING LOCATION OF REMOTE POWER SUPPLY WITH ARCHITECT, LOCATE IN ACCESSIBLE SPACE ABOVE 12" AFF.
 6. COORDINATE MOUNTING LOCATION OF REMOTE POWER SUPPLY WITH ARCHITECT.
 7. COORDINATE TRACK WITH TRACK HEADS AS SPECIFIED, PROVIDE ALL CONNECTING HARDWARE AS REQUIRED FOR OPERATION.
 8. MOUNT ON WALL ABOVE DOOR IN CLOSET.

MARK	LAMP	MANUFACTURER	MODEL	VOLTAGE	WATTAGE	FIXTURE NOTE	DESCRIPTION
D	LED	LUMENTURE	TRACK	120 V	0 VA	(7)	ARCHITECTURAL TRACK
EM1	LED	ELITE LIGHTING	ELM-LED-809-B	120 V	3 VA	(3)	WALL MOUNTED EMERGENCY LIGHT
EX1	LED	ELITE LIGHTING	ELX-603-R-W	120 V	2 VA	(2)	SINGLE FACE LED EXIT SIGN/BLACK FINISH
LT-1	LED	LUMENTURE	T65-35H-1500-25-W-J-SN	120 V	29 VA	(3)	ARCHITECTURAL LED TRACK HEAD
LT-2	LED	LITHONIA LIGHTING	WF4 ADJ LED 30K40K50K 90CRIMW	120 V	18 VA		WF4 ADJ 4' LED GIMBAL SWITCHABLE WHITE COLOR TEMPERATURE
LT-4	LED	RICH BRILLIANT WILLING	PAS-1D-D-PC30-35-10_TRIAC_120V-IP20	120 V	60 VA		WALL MOUNTED VANITY LIGHT
LT-5	LED	ELITE LIGHTING	24-ODVH-LED-TWH-50K-27K-4000L-DIM10-120-90	120 V	33 VA	(3)	RECESSED LED 2'X4' TROFFER
LT-6	LED	ELITE LIGHTING	OLS-CM-LED-2-S-4-750L-DIM10-120-40K-85-WH	120 V	26 VA		SURFACE MOUNTED LINEAR
LT-7	LED	ELITE LIGHTING	OWP-FC-201-LED-4500L-MVOLT-40K-BZ-PHC	120 V	45 VA	(3)	WALL PACK, TRAPEZOID, 2700LM, BLACK

KEYED NOTES

- CONTRACTOR SHALL SUPPLY A 180W CURRENT LIMITING FEED END, AND ALL TRACK ACCESSORY REQUIRED FOR NORMAL OPERATION.
- EM1 AND EX1 LIGHTS SHALL BE CONNECTED TO THE UN-SWITCHED SIDE OF THE LIGHTING CIRCUIT AS SHOWN ON THE PLANS.
- CONTRACTOR SHALL SUPPLY A 120W CURRENT LIMITING FEED END, AND ALL TRACK ACCESSORY REQUIRED FOR NORMAL OPERATION.

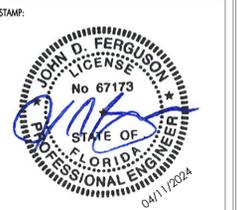
PROJECT:
 COMMERCIAL DISPENSERY
 FIT-OUT
 TRELIVE, ATTN: ROBERT JOYCE
 6667 S SEMORAN BLVD, UNIT 102
 ORLANDO, FL 32822

PROJECT NUMBER: 24030



CORE STATES GROUP

212 SE 34TH STREET
 SUITE 2
 BENFONVILLE, AR 72112
 479.864.4400
 WWW.CORE-STATES.COM



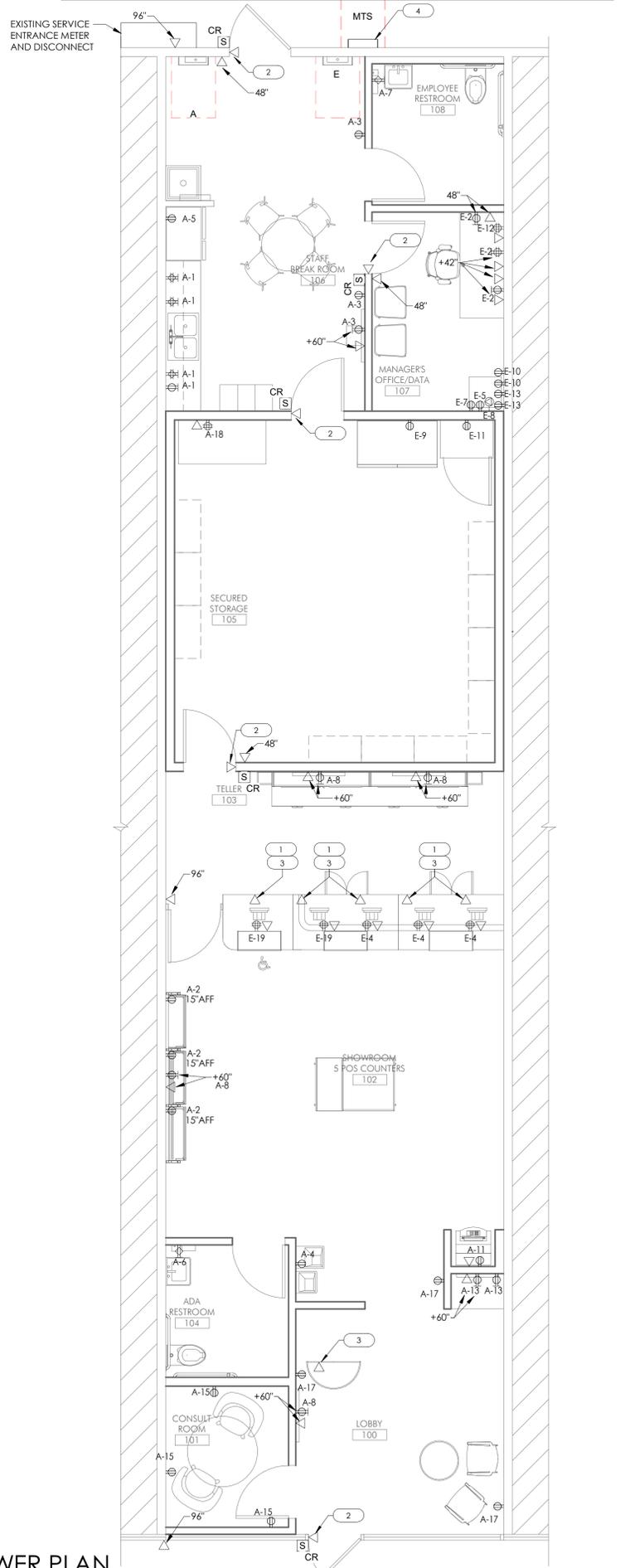
DESCRIPTION	DATE
PERMIT SET	04/11/2024

DRAWING SCALE: AS NOTED

DRAWN BY: T SMITH | CHECKED BY: C WHITESIDE

DRAWING TITLE:
LIGHTING FLOOR PLAN

DRAWING NUMBER:
E1.1



- ### KEYED NOTES
1. CONTRACTOR SHALL PROVIDE CONDUIT LOOP FOR REGISTER PANIC BUTTONS TO NEAREST ACCESSIBLE CEILING SPACE.
 2. CONTRACTOR SHALL PROVIDE DOOR JAM ROUGH IN. COORDINATE HEIGHT AND REQUIREMENTS WITH SECURITY CONTRACTOR PRIOR TO ROUGH IN.
 3. ROUGH IN UNDER DESK TOP FOR DISCREETLY MOUNTED PANIC BUTTON.
 4. 60A MANUAL TRANSFER SWITCH WITH FACTORY INSTALLED CAM-LOCK CONNECTIONS FOR TEMPORARY GENERATOR CONNECTION.

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212 SE 34TH STREET
 SUITE 2
 BENFONVILLE, AR 72712
 479.864.4400
 WWW.CORE-STATES.COM



DESCRIPTION	DATE

DRAWING SCALE: AS NOTED
 DRAWN BY: T SMITH | CHECKED BY: C WHITESIDE

DRAWING TITLE:

POWER FLOOR PLAN

DRAWING NUMBER:

E1.2

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

PROJECT:
 COMMERCIAL DISPENSERY
 FIT-OUT
 TRELUEVE, ATTN. ROBERT JOYCE
 6667 S SEMORAN BLVD, UNIT 102
 ORLANDO, FL 32822

PROJECT NUMBER: 24030

COLWELL GROUP
 132 CENTRAL STREET, SUITE 203, FOXBOROUGH, MA 02035
 P. 508-241-1232, F. 508-455-4469, WWW.COLWELGROUP.COM

CORE STATES GROUP

212 SE 34TH STREET
 SUITE 2
 BENFONVILLE, AR 72712
 479.866.4400
 WWW.CORE-STATES.COM

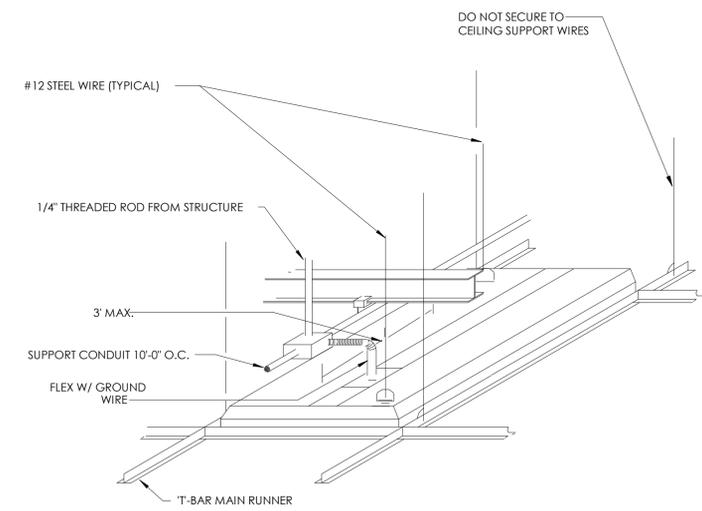


DESCRIPTION	DATE
PERMIT SET	04/11/2024

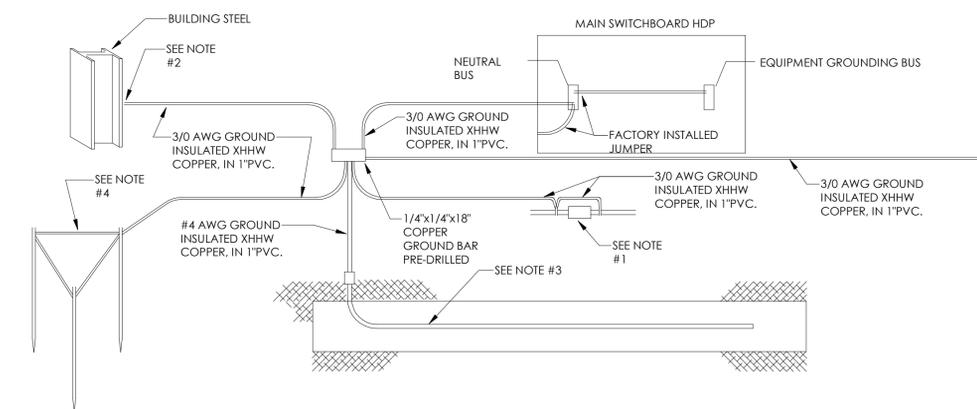
DRAWING SCALE: AS NOTED
 DRAWN BY: T SMITH
 CHECKED BY: C WHITESIDE

DRAWING TITLE:
ELECTRICAL DETAILS

DRAWING NUMBER:
E5.0



2 LAY-IN FIXTURE
 SCALE: 12" = 1'-0"

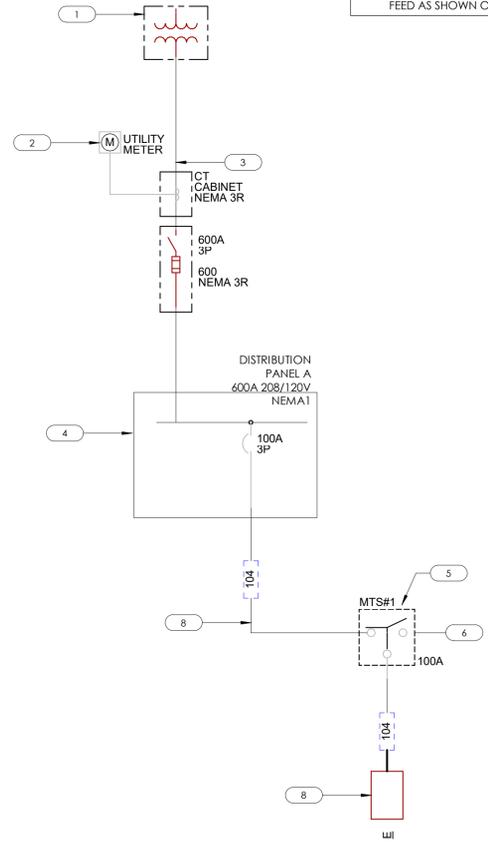


1 ELECTRICAL ONE-LINE DIAGRAM
 SCALE: 12" = 1'-0"

- COMMON GROUNDING ELECTRODE SYSTEM:
- CONNECT MAIN UNDERGROUND METALLIC WATER PIPE AHEAD OF THE FIRST VALVE. PROVIDE A BONDING JUMPER ACROSS WATER METER
 - CONNECT TO NEAREST STRUCTURAL STEEL BUILDING FRAME VERTICAL MEMBER ORIGINATING AT A FOOTING.
 - CONCRETE-ENCASED ELECTRODE SHALL BE 20 FEET OF #4 AWG BARE COPPER ENCASED IN A FOOTING IN DIRECT CONTACT WITH THE EARTH
 - FIELD ELECTRODE SHALL BE MADE OF THREE 3/4" DIAMETER 10-FOOT COPPER GROUNDING RODS SPACED 10 FEET APART IN THE SHAPE OF AN EQUILATERAL TRIANGLE AND BONDED TOGETHER TO FORM A LOOP THE ENTIRE ROD ASSEMBLY SHALL BE SET A MINIMUM OF 24" BELOW FINISH GRADE WITH CONNECTORS ON THE TRIANGLE CAD-WELDED TO THE RODS

PANEL: A		Existing										CORE STATES		
LOCATION:		DISTRIBUTION SYSTEM: 120/208 Wye 3P/4W										AIC RATING: 10000		
SUPPLY FROM:		ENCLOSURE: SURFACE, NEMA 1										MAINS TYPE: 600 A, MLO		
#	CIRCUIT DESCRIPTION	SIZE	OCPD	P	A	B	C	P	OCPD	SIZE	CIRCUIT DESCRIPTION	#		
1	BREAKROOM RECEPTACLES	#12	20 A	1	1260	540			1	20 A	#12	EXTRACTION AREA	2	
3	BREAKROOM RECEPTACLES	#12	20 A	1		540	180		1	20 A	#12	WATER COOLER (GF)	4	
5	BREAKROOM FRIDGE (GF)	#12	20 A	1				180	180	1	20 A	#12	ADA RESTROOM POWER	6
7	EMPLOYEE RESTROOM POWER	#12	20 A	1	180	720				1	20 A	#12	SALES LOBBY TV	8
9	OUTDOOR LIGHTING	#12	20 A	1		45	0			1	20 A	--	SPARE	10
11	ATM	#12	20 A	1				180	0	1	20 A	--	SPARE	12
13	RECEPTION CHARGING	#12	20 A	1	360	0				1	20 A	--	SPARE	14
15	CONSULTANT ROOM	#12	20 A	1		540	0			1	20 A	--	SPARE	16
17	LOBBY GP	#12	20 A	1				540	360	1	20 A	--	SECURED STORAGE DESK	18
19	SPARE	--	20 A	1	0	0				1	20 A	--	SPARE	20
21	SPARE	--	20 A	1		0	0			1	20 A	--	SPARE	22
23	SPARE	--	20 A	1			0	0	0	1	20 A	--	SPARE	24
25					4379	0				1	20 A	--	SPARE	26
27	MTS	(OL)	100 A	3		4761	0			1	20 A	--	SPARE	28
29								3691	0	1	20 A	--	SPARE	30
31	SPARE	--	20 A	1	0	0				1	20 A	--	SPARE	32
33	SPARE	--	20 A	1		0	0			1	20 A	--	SPARE	34
35	SPARE	--	20 A	1				0	0	1	20 A	--	SPARE	36
37	SPARE	--	20 A	1	0	1081				1	20 A	--	SPARE	38
39	SPARE	--	20 A	1		0	1081			3	80 A	(EX)	rfu-2(EX)	40
41	SPARE	--	20 A	1				0	1081					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
TOTAL LOAD:					8,520 VA	7,146 VA	6,212 VA							
TOTAL AMPS:					72 A	61 A	52 A							
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS									
Lighting	1253 VA	125.00%	1566 VA											
Other	1087 VA	100.00%	1087 VA	TOTAL CONNECTED LOAD: 21,878 VA										
Power	7818 VA	100.00%	7818 VA	TOTAL ESTIMATED DEMAND: 21,331 VA										
Receptacle	11720 VA	92.66%	10860 VA	TOTAL CONNECTED CURRENT: 61 A										
					TOTAL ESTIMATED DEMAND CURRENT: 59 A									

PANEL: E		Existing										CORE STATES		
LOCATION:		DISTRIBUTION SYSTEM: 120/208 Wye 3P/4W										AIC RATING: 10,000		
SUPPLY FROM: MTS		ENCLOSURE: SURFACE, NEMA 1										MAINS TYPE: 225 A, MLO		
#	CIRCUIT DESCRIPTION	SIZE	OCPD	P	A	B	C	P	OCPD	SIZE	CIRCUIT DESCRIPTION	#		
1	BACK OF HOUSE LIGHTING	#12	20 A	1	255	720			1	20 A	#12	A-SEC MONITORS	2	
3	LOBBY TRACK	#12	20 A	1		853	1080			1	20 A	#12	REGISTER POS	4
5	I.T. BATTERY CHARGER	#12	20 A	1				1000	1007	1	20 A	#12	LOBBY SALES LIGHTING	6
7	I.T. BATTERY CHARGER	#12	20 A	1	1000	180				1	20 A	#12	FIRE ALARM PANEL	8
9	VAULT FRIDGE	#12	20 A	1		180	360			1	20 A	#12	I.T. OUTLET	10
11	VAULT SAFE	#12	20 A	1				180	360	1	20 A	#12	UNDERCOUNTER SECURITY	12
13	I.T. OUTLET	#12	20 A	1	360	1144				2	25 A	#10	MSCU-1	14
15						1144	1144			1	20 A	--	SPARE	16
17	MSCU-2	#10	25 A	2				1144	0	1	20 A	--	SPARE	18
19	REGISTER POS	#12	20 A	1	720	0				1	20 A	--	SPARE	20
21	SPARE	--	20 A	1		0	0			1	20 A	--	SPARE	22
23	SPARE	--	20 A	1				0	0	1	20 A	--	SPARE	24
25	SPARE	--	20 A	1	0	0				1	20 A	--	SPARE	26
27	SPARE	--	20 A	1		0	0			1	20 A	--	SPARE	28
29	SPARE	--	20 A	1				0	0	1	20 A	--	SPARE	30
31	SPARE	--	20 A	1	0	0				1	20 A	--	SPARE	32
33	SPARE	--	20 A	1		0	0			1	20 A	--	SPARE	34
35	SPARE	--	20 A	1				0	0	1	20 A	--	SPARE	36
37	SPARE	--	20 A	1	0	0				1	20 A	--	SPARE	38
39	SPARE	--	20 A	1		0	0			1	20 A	--	SPARE	40
41	SPARE	--	20 A	1				0	0	1	20 A	--	SPARE	42
TOTAL LOAD:					4,379 VA	4,761 VA	3,691 VA							
TOTAL AMPS:					37 A	41 A	31 A							
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS									
Lighting	1208 VA	125.00%	1510 VA											
Other	1087 VA	100.00%	1087 VA	TOTAL CONNECTED LOAD: 12,831 VA										
Power	4576 VA	100.00%	4576 VA	TOTAL ESTIMATED DEMAND: 13,133 VA										
Receptacle	5960 VA	100.00%	5960 VA	TOTAL CONNECTED CURRENT: 36 A										
					TOTAL ESTIMATED DEMAND CURRENT: 36 A									



1 ELECTRICAL ONE-LINE DIAGRAM
SCALE: NTS

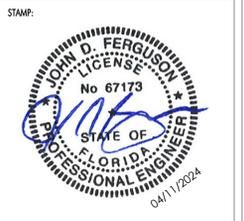
- ### KEYED NOTES
- EXISTING UTILITY TRANSFORMER.
 - EXISTING UTILITY METER.
 - EXISTING SERVICE FEEDERS.
 - EXISTING MLO DISTRIBUTION PANEL.
 - NEW MTS LOCATED ON PLANS.
 - MANUAL TRANSFER SWITCH WITH FACTORY INSTALLED CAMLOCK CONNECTIONS.
 - EXISTING MLO PANEL, CONTRACTOR SHALL REFEED FROM NEW MTS.
 - CONTRACTOR SHALL REPAIR OR REPLACE EXISTING MLO PANEL FEED AS SHOWN ON ONE-LINE

PROJECT:
COMMERCIAL DISPENSERY
FIT-OUT
TRELIVE, ATTN: ROBERT JOYCE
6667 S SEMORAN BLVD, UNIT 102
ORLANDO, FL 32822

PROJECT NUMBER: 24030



CORE STATES GROUP
212 SE 34TH STREET
SUITE 2
BENTONVILLE, AR 72712
479-864-4800
WWW.CORE-STATES.COM



DESCRIPTION	DATE
PERMIT SET	04/11/2024

DRAWING SCALE: AS NOTED
DRAWN BY: T SMITH
CHECKED BY: C WHITESIDE

DRAWING TITLE:
ELECTRICAL ONE-LINE DIAGRAM

DRAWING NUMBER:
E6.0

SECTION 16A: ELECTRICAL

16A-1 GENERAL INSTRUCTIONS

16A-1-1 GENERAL REQUIREMENTS

ALL REQUIREMENTS UNDER DIVISION 1 AND THE GENERAL AND SUPPLEMENTAL CONDITIONS OF THESE SPECIFICATIONS APPLY TO THIS SECTION AND DIVISION. WHERE THE REQUIREMENTS OF THIS SECTION ARE IN CONFLICT WITH THOSE OF ANY OTHER SECTION, THIS SECTION AND DIVISION TAKE PRECEDENCE. BECOME THOROUGHLY FAMILIAR WITH ALL THEIR CONTENTS AS TO REQUIREMENTS THAT AFFECT THIS DIVISION. SECTION OR BOTH. WORK REQUIRED UNDER THIS DIVISION INCLUDES ALL MATERIAL, EQUIPMENT, APPLIANCES, AND LABOR REQUIRED TO COMPLETE THE ENTIRE ELECTRICAL SYSTEM AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS, OR REASONABLY INFERRED TO BE NECESSARY TO FACILITATE EACH SYSTEM FUNCTIONING AS IMPLIED BY THE DESIGN AND THE EQUIPMENT SPECIFIED.

THE SPECIFICATIONS AND DRAWINGS FOR THE PROJECT ARE COMPLEMENTARY, AND PORTIONS OF THE WORK DESCRIBED IN ONE, SHALL BE PROVIDED AS IF DESCRIBED IN BOTH. IN THE EVENT OF DISCREPANCIES, NOTIFY THE ENGINEER AND REQUEST CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK INVOLVED.

DRAWINGS ARE GRAPHIC REPRESENTATIONS OF THE WORK UPON WHICH THE CONTRACT IS BASED. THEY SHOW THE MATERIALS AND THEIR RELATIONSHIP TO ONE ANOTHER, INCLUDING SIZES, SHAPES, LOCATIONS, AND CONNECTIONS. THEY ALSO CONVEY THE SCOPE OF WORK, INDICATING THE INTENDED GENERAL ARRANGEMENT OF THE EQUIPMENT, FIXTURES, OUTLETS, AND CIRCUITS WITHOUT SHOWING ALL OF THE EXACT DETAILS AS TO ELEVATIONS, OFFSETS, CONTROL LINES, AND OTHER INSTALLATION REQUIREMENTS. USE OF THE DRAWINGS AS A GUIDE WHEN LAYING OUT THE WORK IS REQUIRED. VERIFY THAT MATERIALS AND EQUIPMENT WILL FIT INTO THE DESIGNATED SPACES, AND WHICH, WHEN INSTALLED PER MANUFACTURERS' REQUIREMENTS, WILL ENSURE A COMPLETE, COORDINATED, SATISFACTORY AND PROPERLY OPERATING SYSTEM.

SPECIFICATIONS DEFINE THE QUALITATIVE REQUIREMENTS FOR PRODUCTS, MATERIALS, AND WORKMANSHIP UPON WHICH THE CONTRACT IS BASED.

16A-1-2 PRE-BID SITE INSPECTION

PERSONALLY INSPECT THE SITE OF THE PROPOSED WORK AND BECOME FULLY INFORMED OF CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. FAILURE TO DO SO WILL NOT BE CONSIDERED SUFFICIENT JUSTIFICATION TO REQUEST OR OBTAIN EXTRA COMPENSATION OVER AND ABOVE THE CONTRACT PRICE.

16A-1-3 MATERIAL AND WORKMANSHIP

PROVIDE ALL MATERIAL AND EQUIPMENT NEW AND IN FIRST CLASS CONDITION. PROVIDE MARKINGS OR A NAMEPLATE FOR ALL MATERIAL AND EQUIPMENT IDENTIFYING THE MANUFACTURER AND PROVIDING SUFFICIENT REFERENCE TO ESTABLISH QUALITY, SIZE AND CAPACITY. ALL WORKMANSHIP SHALL BE OF THE FINEST POSSIBLE BY EXPERIENCED MECHANICS OF THE PROPER TRADE. IN GENERAL, PROVIDE COMMERCIAL SPECIFICATION GRADE QUALITY FOR ALL MATERIALS AND EQUIPMENT. LIGHT DUTY AND RESIDENTIAL TYPE EQUIPMENT WILL NOT BE ACCEPTABLE. PROVIDE ALL HOIST SCAFFOLDS, STAGING, RUNWAYS, TOOLS, MACHINERY AND EQUIPMENT REQUIRED FOR THE PERFORMANCE OF THE ELECTRICAL WORK. STORE AND MAINTAIN MATERIAL AND EQUIPMENT IN CLEAN CONDITION, AND PROTECTED FROM WEATHER, MOISTURE, AND PHYSICAL DAMAGE.

FURNISH ONLY MATERIAL AND EQUIPMENT THAT ARE LISTED, LABELED, OR BOTH, BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) WHENEVER ANY LISTING OR LABELING EXISTS FOR THE TYPES OF MATERIAL AND EQUIPMENT SPECIFIED.

16A-1-4 COORDINATION

COORDINATE ALL WORK WITH OTHER DIVISION AND TRADES SO THAT THE VARIOUS COMPONENTS OF THE ELECTRICAL SYSTEMS ARE INSTALLED AT THE PROPER TIME, FIT THE AVAILABLE SPACE, AND ALLOW PROPER ACCESS TO ALL EQUIPMENT. REFER TO ALL DRAWINGS, INCLUDING, BUT NOT LIMITED TO, CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING, AND TO RELEVANT EQUIPMENT SHOP DRAWINGS TO DETERMINE THE EXTENT OF THE CLEAR SPACES, MAKE ALL OFFSETS REQUIRED TO CLEAR EQUIPMENT, BEAMS AND OTHER STRUCTURAL MEMBER, AND TO FACILITATE CONCEALING RACEWAYS IN THE MANNER ANTICIPATED IN THE DESIGN. PROVIDE MATERIALS WITH TRIM HAT WILL FIT PROPERLY THE TYPES OF CEILING, WALL OR FLOOR FINISHES ACTUALLY INSTALLED.

16A-1-5 DEFINITIONS

WHenever used in these specifications or drawings, the following terms shall have the indicated meanings.

FURNISH: TO SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLING, INSTALLING, AND SIMILAR OPERATIONS.

INSTALL: TO PERFORM ALL OPERATIONS AT THE PROJECT SITE, INCLUDING, BUT NOT LIMITED TO, AND AS REQUIRED, UNLOADING, UNPACKING, ASSEMBLING, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, TESTING, COMMISSIONING, STARTING UP AND SIMILAR OPERATIONS, COMPLETE, AND READY FOR THE INTENDED USE.

PROVIDE: TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

FURNISHED BY OWNER (OR OWNER-FURNISHED) OR FURNISHED BY OTHERS: AN ITEM FURNISHED BY THE OWNER OR UNDER OTHER AGREEMENTS, OR CONTRACTS, OR OTHERWISE INSTALLED UNDER THE REQUIREMENTS OF THIS DIVISION, COMPLETE AND READY FOR THE INTENDED USE, INCLUDING ALL ITEMS INCIDENTAL TO THE WORK NECESSARY FOR PROPER INSTALLATION AND OPERATION, INCLUDE THE INSTALLATION UNDER THE WARRANTY REQUIRED BY THIS DIVISION.

ENGINEER: WHERE REFERRED TO IN THIS DIVISION, "ENGINEER" IS THE ENGINEER OF RECORD AND THE DESIGN PROFESSION FOR THE WORK UNDER THIS DIVISION, AND IS A CONSULTANT TO, AND AN AUTHORIZED REPRESENTATIVE OF, THE ARCHITECT, AS DEFINED IN THE GENERAL AND/OR SUPPLEMENTARY CONDITIONS. WHEN USED IN THIS DIVISION, IT MEANS INCREASED INVOLVEMENT BY, AND OBLIGATIONS TO, THE ENGINEER, IN ADDITION TO INVOLVEMENT BY, AND OBLIGATIONS TO, THE ARCHITECT.

AHJ: THE LOCAL CODE AND/OR INSPECTION AGENCY (AUTHORITY) HAVING JURISDICTION OVER THE WORK.

NRTL: NATIONALLY RECOGNIZED TESTING LABORATORY, AS DEFINED AND LISTED BY OSHA IN 29 CFR 1910.7 (E.G., UL, ETL, CSA), AND ACCEPTABLE TO THE AHJ OVER THIS PROJECT.

THE TERMS "APPROVED EQUAL," "EQUIVALENT," OR "EQUAL," ARE USED SYNONYMOUSLY AND SHALL MEAN "ACCEPTED BY OR AS ACCEPTABLE TO THE ENGINEER AS EQUIVALENT TO THE ITEM OR MANUFACTURER SPECIFIED." THE TERM "APPROVED" SHALL MEAN LABELED, LISTED, OR BOTH, BY AN NRTL, AND ACCEPTABLE TO THE AHJ OVER THIS PROJECT.

16A-1-6 DIMENSION AND LAYOUTS

DRAWINGS ARE SCHEMATIC IN NATURE. SHOW THE VARIOUS COMPONENTS OF THE SYSTEMS APPROXIMATELY TO SCALE AND ATTEMPT TO INDICATE HOW THEY WILL BE INTEGRATED WITH OTHER PARTS OF THE WORK. FIGURED DIMENSIONS TAKE PRECEDENCE TO SCALED DIMENSIONS. DETERMINE EXACT LOCATIONS BY JOB MEASUREMENTS, BY CHECKING THE REQUIREMENTS OF OTHER TRADES, AND BY REVIEWING ALL CONTRACT DOCUMENTS, CORRECT ERRORS THAT COULD HAVE BEEN AVOIDED BY PROPER CHECKING AND INSPECTION, AT NO ADDITIONAL COST TO THE OWNER.

16A-1-7 ORDINANCES AND CODES

COMPLY, AT A MINIMUM, NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES, STATE AND LOCAL BUILDING CODES, AND ALL OTHER APPLICABLE CODES AND ORDINANCES FOR PERFORMANCE, WORKMANSHIP, EQUIPMENT, AND MATERIALS, ADDITIONALLY.

COMPLY WITH RULES AND REGULATIONS OF PUBLIC UTILITIES AND MUNICIPAL DEPARTMENTS AFFECTED BY CONNECTION OF SERVICES.

WHERE CONFLICTS BETWEEN VARIOUS CODES, ORDINANCES, RULES, AND REGULATIONS EXIST, COMPLY WITH THE MOST STRINGENT. WHEREVER REQUIREMENTS OF THESE SPECIFICATIONS, DRAWINGS, OR BOTH, EXCEED THOSE OF THE ABOVE ITEMS, THE REQUIREMENTS OF THESE SPECIFICATIONS, DRAWINGS, OR BOTH, SHALL GOVERN CODE COMPLIANCE. AT A MINIMUM, IS MANDATORY. TERMINAL CONNECTIONS BEYOND THE ONE YEAR PERIOD, EACH WARRANTY INSTRUMENT BEING ADDRESSED TO THE OWNER AND STATING THE COMMENCEMENT DATE AND TERM.

BRING ALL CONFLICTS OBSERVED BETWEEN CODES, ORDINANCES, RULES, REGULATIONS AND THESE DOCUMENTS TO THE ENGINEER'S ATTENTION FOR FINAL RESOLUTION. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY VIOLATION OF THE LAW.

PROVIDE AND MAINTAIN ALL NECESSARY SIGNAL LIGHTS AND GUARDS FOR THE SAFETY OF THE PUBLIC. OBTAIN AND PAY FOR ALL PERMITS FOR THIS DIVISION.

16A-1-8 MANUFACTURERS

IN OTHER ARTICLES WHERE LIST OF MANUFACTURERS ARE INTRODUCED, THE FOLLOWING REQUIREMENTS APPLY TO PRODUCT SELECTION:

A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE MANUFACTURERS SPECIFIED.

WHERE A LIST IS PROVIDED, MANUFACTURERS ARE LISTED ALPHABETICALLY AND NOT IN ACCORDANCE WITH ANY RANKING OR PREFERENCE.

16A-1-9 SUBMITTALS

ASSEMBLE AND SUBMIT TO THE ARCHITECT, FOR ENGINEER'S REVIEW, MANUFACTURERS' PRODUCT LITERATURE FOR MATERIAL AND EQUIPMENT TO BE FURNISHED, INSTALLED, OR WITH, UNDER THIS DIVISION, INCLUDING SHOP DRAWINGS, MANUFACTURERS' PRODUCT DATA AND PERFORMANCE SHEETS, SAMPLES, AND OTHER SUBMITTALS REQUIRED BY THIS DIVISION. PROVIDE THE NUMBER OF SUBMITTALS REQUIRED BY DIVISION 1, BEFORE SUBMITTING. SUBMITTALS SHALL CONTAIN THE FOLLOWING INFORMATION: 1. MUTUALLY COMPATIBLE AND SUITABLE FOR THE INTENDED USE, AND FIT THE AVAILABLE SPACES, AND ALLOW MAINTENANCE AND CODE-REQUIRED ROOM FOR ACCESS AND MAINTENANCE. 2. SUBMITTALS SHALL CONTAIN THE FOLLOWING INFORMATION: G. I.M.C. AND R.M.C. FITTINGS: NEMA FB 1+ - COMPATIBLE WITH CONDUIT TYPE AND MATERIAL UL LISTED.

A. THE PROJECT NAME. B. APPLICABLE SPECIFICATION SECTION AND PARAGRAPH. C. THE SUBMITTAL DATE. D. THE CONTRACTOR'S STAMP, WHICH SHALL CERTIFY THAT THE STAMPED DRAWINGS HAVE BEEN CHECKED BY THE CONTRACTOR, COMPLY WITH THE DRAWINGS AND SPECIFICATIONS, AND HAVE BEEN COORDINATED WITH OTHER TRADES.

TRANSMIT SUBMITTALS AS EARLY AS REQUIRED TO SUPPORT THE PROJECT SCHEDULE. PROVIDE TWO WEEKS ENGINEER REVIEW TIME, PLUS MAILING TIME, PLUS A DUPLICATION OF THIS TIME FOR RESUBMITTALS, IF REQUIRED. TRANSMIT SUBMITTALS AS SOON AS POSSIBLE AFTER NOTICE TO PROCEED AND BEFORE CONSTRUCTION STARTS. THE ENGINEER'S SUBMITTAL REVIEWS WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS IN DIMENSIONS, DETAILS, SIZE OF MEMBERS, OR QUANTITIES OR OMITTING COMPONENTS OR FITTINGS OR COORDINATING ITEMS WITH ACTUAL BUILDING CONDITION.

16A-1-10 ADJUSTING, ALIGNING AND TESTING

ADJUST, ALIGN, AND TEST ALL ELECTRICAL EQUIPMENT ON THIS PROJECT PROVIDED UNDER THIS DIVISION AND ALL ELECTRICAL EQUIPMENT FURNISHED BY OTHERS FOR INSTALLATION OR WIRING UNDER THIS DIVISION, FOR PROPER OPERATION.

TEST ALL SYSTEMS AND EQUIPMENT ACCORDING TO THE REQUIREMENTS IN NETA ATS [LATEST EDITION].

MAINTAIN THE FOLLOWING ON THE PROJECT PREMISES AT ALL TIMES: A TRUE RMS READING VOLTMETER, A TRUE RMS READING AMPMETER, AND A TRUE AMPMETER INSULATION RESISTANCE TESTER. PROVIDE TEST DATA READINGS AS REQUESTED OR AS REQUIRED BY THE ENGINEER.

16A-1-11 OPERATION AND MAINTENANCE INSTRUCTIONS

SUBMIT TO THE ARCHITECT, FOR ENGINEER'S REVIEW, COPIES EACH OF OPERATIONS AND MAINTENANCE INSTRUCTION MANUALS, APPROPRIATELY BOUND INTO MANUAL FORM INCLUDING APPROVED COPIES OF THE FOLLOWING, REVISED IF NECESSARY TO SHOW SYSTEM AND EQUIPMENT AS ACTUALLY INSTALLED. PROVIDE THE NUMBER OF SUBMITTALS REQUIRED BY DIVISION 1, AND INCLUDE AT A MINIMUM THE FOLLOWING INFORMATION:

A. MANUFACTURERS' CATALOG AND PRODUCT DATA SHEETS B. WIRING DIAGRAMS C. MAINTENANCE INSTRUCTIONS D. OPERATING INSTRUCTIONS E. PARTS LISTS F. TEST REPORTS AS DEFINED IN NETA ATS FOR THE SYSTEMS AND EQUIPMENT PROVIDED AND INSTALLED UNDER THIS DIVISION G. NAMES, ADDRESSES, TELEPHONE NUMBERS, AND E-MAIL ADDRESSES OF LOCAL CONTACTS FOR WARRANTY SERVICES AND SPARE PARTS.

SUBMIT MANUALS PRIOR TO REQUESTING THE FINAL PUNCH LIST AND BEFORE ANY REQUEST FOR SUBSTANTIAL COMPLETION, ALSO PROVIDE ADEQUATE VERBAL INSTRUCTIONS OF SYSTEM OPERATIONS TO OWNER'S REPRESENTATIVE AT THE COMPLETION OF, AND BEFORE FINAL ACCEPTANCE OF, THE WORK.

16A-1-12 SYSTEM START-UP

PRIOR TO STARTING UP THE ELECTRICAL SYSTEMS, CHECK ALL COMPONENTS AND DEVICES, LUBRICATE ITEMS ACCORDINGLY, AND TIGHTEN SCREWS AND BOLTS FOR CONNECTORS AND TERMINALS ACCORDING TO MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES. IF MANUFACTURER'S TORQUE VALUES ARE NOT INDICATED, USE THOSE SPECIFIED IN UL 486A. ADJUST TAPS ON EACH TRANSFORMER FOR RATED SECONDARY VOLTAGE. CHECK AND RECORD BUILDING'S SERVICE ENTRANCE VOLTAGE, GROUNDING CONDITIONS, GROUNDING RESISTANCE, AND PROPER PHASING. BALANCE ALL SINGLE-PHASE LOADS AT EACH PANELBOARD, REDISTRIBUTING BRANCH CIRCUIT CONNECTIONS UNTIL BALANCE IS ACHIEVED. DO NOT TYPE IN FINAL PANELBOARD DIRECTORIES UNTIL RE-BALANCING AND REDISTRIBUTION OF CIRCUITS ARE COMPLETE. REPLACE ALL BURNE-OUT LAMPS AND LAMPS USED FOR TEMPORARY CONSTRUCTION LIGHTING IN PERMANENT LIGHT FIXTURES. AFTER ALL SYSTEMS HAVE BEEN INSPECTED AND ADJUSTED, CONFIRM ALL OPERATION FEATURES REQUIRED BY THE DRAWINGS AND SPECIFICATIONS AND MAKE FINAL ADJUSTMENTS AS NECESSARY.

16A-1-13 WARRANTIES

WARRANT EACH SYSTEM AND EACH ELEMENT THEREOF AGAINST ALL DEFECTS DUE TO FAULTY WORKMANSHIP. DESIGN AND MATERIAL FOR A PERIOD OF 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION, UNLESS SPECIFIC ITEMS ARE NOTED TO CARRY A LONGER WARRANTY IN THE CONSTRUCTION DOCUMENTS OR MANUFACTURER'S STANDARD WARRANTY EXCEEDS 12 MONTHS. REMEDY ALL DEFECTS, OCCURRING WITHIN THE WARRANTY PERIOD(S), AS STATED IN THE GENERAL CONDITIONS AND DIVISION 1, ALSO WARRANT THE FOLLOWING ADDITIONAL ITEMS:

A. ALL RACEWAYS ARE FREE FROM OBSTRUCTIONS, HOLES CRUSHING, OR BREAKS OF ANY NATURE. B. ALL RACEWAY SEALS ARE EFFECTIVE. C. THE ENTIRE ELECTRICAL SYSTEM IS FREE FROM ALL SHORT CIRCUITS AND UNWANTED OPEN CIRCUITS AND SHORTS.

THE ABOVE WARRANTIES SHALL INCLUDE LABOR AND MATERIAL, MAKE REPAIRS OR REPLACEMENTS WITHOUT ANY ADDITION COST TO THE OWNER.

PERFORM THE REMEDIAL WORK PROMPTLY, UPON WRITTEN NOTICE FROM THE ENGINEER OR OWNER.

AT THE TIME OF SUBSTANTIAL COMPLETION, DELIVER TO THE OWNER ALL WARRANTIES, IN WRITING AND PROPERLY EXECUTED, INCLUDING TERMINAL CONNECTIONS BEYOND THE ONE YEAR PERIOD, EACH WARRANTY INSTRUMENT BEING ADDRESSED TO THE OWNER AND STATING THE COMMENCEMENT DATE AND TERM.

16A-2 ELECTRICAL WORK

16A-2-3 CUTTING AND PATCHING

FOLLOWING THE REQUIREMENTS IN DIVISION 1, CUT WALLS, FLOORS, CEILINGS, AND OTHER PORTIONS OF THE FACILITY AS REQUIRED TO PERFORM WORK UNDER THIS DIVISION. OBTAIN PERMISSION OF THE ENGINEER, OWNER, OR BOTH, BEFORE DOING ANY CUTTING, CUT ALL HOLES AS SMALL AS POSSIBLE. PATCH WALLS, FLOORS, AND OTHER PORTIONS OF THE FACILITY AS REQUIRED BY WORK UNDER THIS DIVISION. ALL PATCHING SHALL BE THOROUGHLY FIRST CLASS AND SHALL MATCH THE ORIGINAL MATERIAL AND CONSTRUCTION, INCLUDING FIRE RATINGS IF APPLICABLE.

16A-2-4 ROUGH-IN

COORDINATE WITHOUT DELAY ALL ROUGHING-IN WITH OTHER DIVISION. CONCEAL ALL RACEWAYS EXCEPT IN UNFINISHED AREAS AND WHERE OTHERWISE INDICATED ON THE DRAWINGS.

16A-2-5 RACEWAYS

METALLIC CONDUIT AND TUBING:

A. ELECTRICAL METALLIC TUBING AND FITTINGS (EMT): ANSI C80.1, UL 97 B. FLEXIBLE METAL CONDUIT (FMC): ZINC-COATED STEEL, UL 1 C, INTERMEDIATE METAL CONDUIT (IMC): HOT-DIPPED GALVANIZED RIGID STEEL CONDUIT; ANSI C80.6, UL 124Z D. LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC): FLEXIBLE STEEL CONDUIT WITH PVC JACKET; UL 360 E. RIGID METAL CONDUIT (RMC): 1. HOT-DIP GALVANIZED RIGID STEEL CONDUIT (GRS): ANSI C80.1, UL 6 2. RIGID ALUMINUM CONDUIT (RAC): ANSI C80.5, UL6A F. PLASTIC-COATED IMC, RMC, AND FITTINGS: NEMA RN 1, UL LISTED G. IMC AND RMC FITTINGS: NEMA FB 1+ - COMPATIBLE WITH CONDUIT TYPE AND MATERIAL UL LISTED.

NON-METALLIC CONDUIT AND TUBING:

A. ELECTRICAL NONMETALLIC TUBING (ENT): NEMA TC13 UL LISTED. B. LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT (LFNC): UL 1640 C. RIGID NONMETALLIC CONDUIT (RNC): SCHEDULE 40 PVC; NEMA TC2, UL 66 D. ENT AND RNC FITTINGS: NEMA TC 3, TC 6+ - UL 514. COMPATIBLE WITH CONDUIT/TUBING TYPE AND MATERIAL, UL LISTED.

16A-2-6 RACEWAY INSTALLATION

INSTALL ALL CIRCULAR RACEWAYS CONCEALED ABOVE SUSPENDED CEILING OR CONCEALED IN WALLS OR FLOORS WHEREVER POSSIBLE EXCEPT WHERE OTHERWISE INDICATED. PROVIDE GRS FOR ALL CONDUITS RUN UNDERGROUND, EXPOSED TO WEATHER, OR EXPOSED TO OTHER HAZARDOUS CONDITIONS. PROVIDE GRS INSTALLED BELOW GRADE WITH CORROSION RESISTANT BONDED-PLASTIC OR APPROVED MASTIC COATING. THIS SHALL INCLUDE THE 90-DEGREE ELBOW BELOW GRADE, AND THE ENTIRE VERTICAL TRANSITION TO ABOVE GRADE. ALL OTHER RACEWAY MAY BE EMT WHERE APPROVED BY LOCAL CODE. USE COMPRESSION TYPE FITTINGS FOR EMT, WITH ALL FITTINGS UL LISTED FOR THE ENVIRONMENT. USE COMPATIBLE FITTINGS FOR CONTRACTOR'S OPTION, PVC CONDUIT MAY BE USED UNDERGROUND WHERE PERMITTED BY LOCAL CODE AND WHERE NOT SPECIFICALLY RESTRICTED BY THESE DOCUMENTS.

USE FMC FOR FINAL CONNECTION TO EACH MOTOR AND TRANSFORMER, AND TO ANY DEVICE THAT WOULD OTHERWISE TRANSMIT MOTION, VIBRATION, OR NOISE, WHERE EXPOSED TO LIQUIDS, VAPORS OR SUNLIGHT. USE LFMC. PROVIDE ALL FMC AND LFMC WITH INSULATED GROUND WIRE.

INSTALL RACEWAYS PARALLEL TO BUILDING LINES.

INSTALL RACEWAYS TO REQUIREMENTS OF STRUCTURE AND TO REQUIREMENTS OF ALL OTHER WORK ON THE PROJECT. INSTALL RACEWAY TO CLEAR ALL OPENINGS, DEPRESSIONS, PIPES, DUCTS, REINFORCING STEEL, AND OTHER IMMOVABLE OBSTACLES. INSTALL RACEWAYS SET IN FORMS FOR CONCRETE STRUCTURE IN SUCH A MANNER THAT INSTALLATION WILL NOT AFFECT THE STRENGTH OF STRUCTURE, EXCEPT WHERE APPROVED IN WRITING BY THE ENGINEER. INSTALL NO RACEWAY IN A SLAB-ON-GRADE. LOCATE RACEWAY BELOW GRANULAR FILL BELOW SLABS-ON-GRADE.

INSTALL RACEWAYS CONTINUOUS BETWEEN CONNECTION TO OUTLETS, BOXES AND CABINETS WITH A MINIMUM POSSIBLE NUMBER OF BENDS AND NOT MORE THAN THE EQUIVALENT OF FOUR 90-DEGREE BENDS BETWEEN CONNECTIONS. USE MANUFACTURED ELBOWS FOR ALL 45- AND 90- DEGREE BENDS, UNLESS APPROVED BY THE ENGINEER IN ADVANCE. MAKE OTHER BENDS SMOOTH AND EVEN AND WITHOUT FLATENING RACEWAY OR FLAKING GALVANIZED OR ENAMEL, RADII OF BENDS SHALL BE AS LONG AS POSSIBLE AND NEVER SHORTER THAN THE CONDUIT'S BEND RADIUS. PROVIDE 90-DEGREE ELBOWS WHERE NECESSARY, INDICATED, OR BOTH.

SECURELY FASTEN RACEWAYS IN PLACE WITH APPROVED STRAPS, HANGERS AND STEEL SUPPORTS AS REQUIRED. ATTACH RACEWAY SUPPORTS TO THE BUILDING STRUCTURE. HANG SINGLE RACEWAYS FOR FEEDERS WITH MALLEABLE SPLIT RING HANGERS WITH ROD AND TURNBUCKLE SUSPENSION FROM INSERTS SPACED NOT OVER 10 FEET APART IN CONSTRUCTION ABOVE. SECURELY CLAMP VERTICAL FEEDER RACEWAYS TO STRUCTURAL STEEL MEMBERS ATTACHED TO STRUCTURE. INSTALL CABLE CLAMPS FOR SUPPORT OF VERTICAL FEEDERS WHERE REQUIRED. ADD RACEWAY SUPPORTS WITHIN 12 INCHES OF ALL BENDS, ON BOTH SIDES OF THE BENDS; DO NOT SUPPORT RACEWAYS FROM SUSPENDED CEILING COMPONENTS.

REAM RACEWAY ENDS, THOROUGHLY CLEAN RACEWAYS BEFORE INSTALLATION, AND KEEP CLEAN AFTER INSTALLATION. PLUG OR COVER OPENINGS AND BOXES AS REQUIRED TO KEEP RACEWAYS CLEAN DURING CONSTRUCTION AND FINISH ALL RACEWAYS CLEAR OF COMPLETE. REPLACE ALL BURNE-OUT LAMPS AND LAMPS USED FOR TEMPORARY CONSTRUCTION LIGHTING IN PERMANENT LIGHT FIXTURES. AFTER ALL SYSTEMS HAVE BEEN INSPECTED AND ADJUSTED, CONFIRM ALL OPERATION FEATURES REQUIRED BY THE DRAWINGS AND SPECIFICATIONS AND MAKE FINAL ADJUSTMENTS AS NECESSARY.

PROTECT ALL RACEWAY INSTALLATIONS AGAINST DAMAGE DURING CONSTRUCTION. REPAIR ALL RACEWAYS DAMAGED OR MOVED OUT OF LINE AFTER ROUGHING-IN. TO KEEP ENGINEER'S APPROVAL WITHOUT ADDITION COST TO THE OWNER.

ALIGN AND INSTALL TRUE AND PLUMB ALL RACEWAY TERMINATIONS AT PANELBOARDS, SWITCHBOARDS, MOTOR CONTROL, EQUIPMENT AND JUNCTION BOXES.

INSTALL APPROVED EXPANSION/DEFLECTION FITTINGS WHERE RACEWAYS PASS THROUGH OR ACROSS EXPANSION JOINTS.

INSTALL A PULL WIRE IN EACH EMPTY RACEWAY THAT IS LEFT FOR INSTALLATION OF CONDUCTORS OR CABLES UNDER OTHER DIVISIONS OR CONTRACTS. USE POLYPROPYLENE OR MONORAILMENT PLASTIC LINE WITH NOT LESS THAN 200-LB TENSILE STRENGTH PROPERLY COLORED INSULATED. USE VINYL PLASTIC ELECTRICAL TAPE OF THE APPROPRIATE COLOR AROUND EACH CONDUCTOR AT LL TERMINATION POINTS, JUNCTION AND PULL BOXES.

MAKE ALL JOINTS AND CONNECTIONS IN A MANNER THAT WILL ENSURE MECHANICAL AND ELECTRICAL CONTINUITY. INSTALL CONDUIT-SEALING FITTINGS IN ALL RACEWAYS PASSING FROM NON-HEATED TO HEATED SPACES.

16A-2-7 BUSHINGS AND LOCKNUTS

RIGIDLY CLAMP CONDUITS ENTERING SHEET METAL BOXES TO THE BOX WITH A BUSHING AND LOCKNUT ON THE INSIDE AND A LOCKNUT ON THE OUTSIDE. CONDUIT SHALL ENTER THE BOX SQUARELY. PROVIDE BUSHINGS AND LOCKNUTS MADE OF GALVANIZED MALLEABLE IRON WITH SHARP, CLEAN CUT THREADS. WHERE EMT ENTERS A BOX, PROVIDE APPROVED EMT COMPRESSION CONNECTORS. USE INSULATED AND/OR GROUNDING BUSHINGS. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR, OR BONDING JUMPER, AS APPLICABLE IN ALL BRANCH CIRCUITS AND FEEDERS, SIZED IN ACCORDANCE WITH NFPA 70 TABLES 250.66 OR 250.122, AS APPLICABLE, UNLESS INDICATED AS LARGER ON THE DRAWINGS.

16A-2-8 SUPPORT SYSTEMS

STEEL SLOTTED SUPPORT SYSTEMS (SLOTTED CHANNEL): COMPLY WITH MFM-A-3, FACTORY-FABRICATED COMPONENTS FOR FIELD ASSEMBLY. 12-GAUGE, 1.58-INCH BY 1.58-INCH COPPER-BLUE ERICO INTERNATIONAL CORPORATION, POWER-STRUT, THOMAS BETTS CORPORATION, UNISTRUT.

FINISHES:

METALLIC COATING: HOT-DIP GALVANIZED AFTER FABRICATION AND APPLIED ACCORDING TO MFM-A-3

NONMETALLIC COATINGS: MANUFACTURER'S STANDARD PVC, POLYURETHANE, OR POLYESTER COATING APPLIED ACCORDING TO MFM-A-3.

PAINTED COATINGS: MANUFACTURER'S STANDARD PAINTED COATING APPLIED ACCORDING TO MFM-A-3.

STAINLESS STEEL? TYPE 304, PER ASTM A240.

ALUMINUM (EXTRUDED)? TYPE 6063-16, PER ASTM B221

FIELD FABRICATION

WHERE FIELD CUTTING OF STANDARD LENGTHS OF CHANNEL ARE REQUIRED, MAKE CUTS STRAIGHT AND PERPENDICULAR TO MANUFACTURED SURFACES.

FOR FIELD-CUT OR DAMAGED SURFACES OF COATED CHANNELS, DRESS CUT ENDS, DAMAGED SURFACES, OR BOTH, WITH AN ABRASIVE MATERIAL (E.G. FILE, GRINDING STONE, OR SIMILAR) AND CLEANER TO REMOVE OILS, LUBR, SHARP EDGES AND SHARDS.

FOR CHANNEL WITH FACTORY-APPLIED COATING, RE-FINISH CUT EDGES EIGHT COATING COMPATIBLE WITH THE FACTORY FINISH AND AS RECOMMENDED BY THE MANUFACTURER (E.G., MANUFACTURER'S TOUCH-UP PAINT OR ZINC-RICH GOLD-GALVANIZING COMPOUND, AS APPLICABLE).

16A-2-9 CONDUCTORS

PROVIDE COPPER CONDUCTORS, WITH UL LABEL, AND 600V INSULATION.

SERVICE LATERAL CONDUCTORS? TYPE THWN OR XHHW WITH STRANDED CONDUCTORS.

ALL FEEDER AND BRANCH CIRCUIT CONDUCTORS, NO. 8 AWG AND LARGER? STRANDED, TYPE THWN OR XHHW INSULATION.

ALL CONDUCTORS, NO. 10 AWG AND SMALLER, USED FOR POWER AND LIGHTING CIRCUITS? SOLID COPPER, TYPE THWN (WET OR DAMP LOCATIONS, OR IN CONDUIT BELOW GRADE OR SLAB), TYPE THHN (DRY LOCATIONS ONLY AND ABOVE-GRADE) INSULATION, OR DUAL-RATED TYPE THHN/THWN.

ALL BRANCH CIRCUIT WIRING? NOT SMALLER THAN NO. 12 AWG. IF NO CONDUCTOR SIZE IS INDICATED ON THE DRAWINGS FOR A BRANCH CIRCUIT, PROVIDE NO. 12 AWG CONDUCTORS AND A 20A CIRCUIT BREAKER.

CONDUCTORS FIELD-INSTALLED WITHIN FLUORESCENT LIGHT FIXTURE CHANNELS: TYPE THHN.

CONTROL WIRING: STRANDED COPPER CONDUCTORS, 400V INSULATION, OR THE PROPER TYPE, SIZE AND NUMBER AS REQUIRED TO ACCOMPLISH SPECIFIED FUNCTION. MINIMUM SIZE: NO. 18 AWG, UNLESS OTHERWISE NOTED.

16A-2-10 WIRING INSTALLATION

EXCEPT WHERE SPECIFIED OR INDICATED, FOR LOW-VOLTAGE WIRING, INSTALL ALL WIRING IN APPROVED RACEWAY AND ENCLLOSURES.

SUPPORT ALL CONDUCTORS AND CABLES IN VERTICAL INSTALLATIONS, AS REQUIRED BY NFPA 70, BY INSTALLING CABLE SUPPORTS OR PLUG-TYPE CONDUIT RISER SUPPORTS, OR WIRE-MESH SAFETY GRIPS.

INSTALL ALL CONDUCTORS AND CABLE IN RACEWAYS CONTINUOUS WITHOUT TAPS OR SPLICES. SPLICE OR TAP ONLY IN APPROVED BOXES AND ENCLLOSURES WITH APPROVED SOLDERLESS CONNECTORS, OR CRIMP CONNECTORS AND TERMINAL BLOCKS FOR CONTROL WIRING, AND KEEP TO THE MINIMUM REQUIRED. INSULATE ALL SPLICES, TAPS, AND JOINTS AS REQUIRED BY CODES.

ALL MATERIAL USED TO TERMINATE, SPLICE, OR TAP CONDUCTORS DESIGNED FOR, PROPERLY SIZE FOR, AND UL LISTED FOR SPECIFIC APPLICATION AND CONDUCTORS INVOLVED, AND INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, USING THE MANUFACTURER'S RECOMMENDED TOOLS.

WHERE WIRING IS INDICATED AS INSTALLED, BUT THE CONNECTION IS CORRECTED, "FUTURE" OR "CONTRACT" IS INDICATED. "CONTRACTS": LEAVE A MINIMUM 3-FOOT "PITGAL" AT THE BOX, TAPE THE ENDS OF THE CONDUCTORS, AND COVER THE BOX.

THE NUMBER OF THE CONDUCTORS IN A SPECIFIC RACEWAY "HOME RUN" IS INDICATED WITH CROSS LINES (TICK MARKS) ON EACH "CIRCUIT RUN" ON THE DRAWINGS. IN GENERAL, THE DIRECTION OF BRANCH CIRCUIT "HOME RUN" ROUTING IS INDICATED ON THE DRAWINGS COMPLETELY WITH CIRCUIT NUMBERS AND PANELBOARD DESIGNATION. CONTINUE ALL SUCH "HOME RUN" WIRING TO THE DESIGNATED PANELBOARD, AS THOUGH "CIRCUIT RUNS" WERE INDICATED IN THEIR ENTIRETY.

WHEN MULTIPLE HOME RUNS ARE COMBINED INTO A SINGLE RACEWAY SUCH THAT THE NUMBER OF CONDUCTORS EXCEEDS FOUR (CONDUCTOR COUNT IS MADE UP OF ANY COMBINATION OF PHASE AND NEUTRAL CONDUITS), THE FOLLOWING RESTRICTIONS APPLY, WHICH ARE IN ADDITION TO THOSE IN NEAF 70.

NORMAL OR NONESSENTIAL CIRCUITS

MAXIMUM OF 14 CONDUCTORS IN A SINGLE RACEWAY. FOR UP TO EIGHT CONDUCTORS IN A RACEWAY, MINIMUM RACEWAY SIZE 3/4 INCH FOR GREATER THAN EIGHT CONDUCTORS, MINIMUM RACEWAY SIZE: 1-INCH. DO NOT INSTALL ANY OTHER TYPE OF CIRCUIT IN THIS RACEWAY.

THE MINIMUM WIRE SIZE FOR ALL CONDUCTORS IN THIS RACEWAY: NO. 10 AWG, ONLY 15A AND 20A BRANCH CIRCUIT HOMERUNS MAY BE COMBINED INTO A SINGLE RACEWAY.

GFCI CIRCUITS

DO NOT USE MULTI-CONDUCTOR CIRCUITS, WITH A SHARED NEUTRAL, FOR ANY GFCI CIRCUIT BREAKER OR RECEPTACLE BREAKER.

FOR BRANCH CIRCUITS FED FROM GFCI CIRCUIT BREAKERS, LIMIT THE ONE-WAY CONDUCTOR LENGTH TO 100 FEET BETWEEN THE PANELBOARD AND THE MOST REMOTE RECEPTACLE OR LOAD ON THE GFCI CIRCUIT.

WIRING SHALL HAVE INSULATION OF THE PROPER COLOR TO MATCH COLOR CODE SYSTEM IN THE TABLE BELOW. IN LARGER SIZES, WHERE PROPERLY COLORED INSULATION IS NOT AVAILABLE, USE VINYL PLASTIC ELECTRICAL TAPE OF THE APPROPRIATE COLOR AROUND EACH CONDUCTOR AT LL TERMINATION POINTS, JUNCTION AND PULL BOXES.

Table with columns: SYSTEM VOLTAGE, CONDUCTOR TYPE, COLOR. Rows include PHASE A (RED, BLUE, WHITE), NEUTRAL (GREEN), EQUIPMENT GROUND (YELLOW/STRIPE), ISOLATED GROUND (GREEN).

Table with columns: SYSTEM VOLTAGE, CONDUCTOR TYPE, COLOR. Rows include PHASE B (BROWN, ORANGE, YELLOW), NEUTRAL (GREY), EQUIPMENT GROUND (GREEN), ISOLATED GROUND (GREEN).

PROPERLY NUMBER ALL TERMINAL BLOCKS AND WIRE TERMINALS FOR CONTROL WIRING FOR IDENTIFICATION WITH VINYL STICK-ON MARKERS OR EQUIVALENT. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR, OR BONDING JUMPER, AS APPLICABLE IN ALL BRANCH CIRCUITS AND FEEDERS, SIZED IN ACCORDANCE WITH NFPA 70 TABLES 250.66 OR 250.122, AS APPLICABLE, UNLESS INDICATED AS LARGER ON THE DRAWINGS.

VOLTAGE DROP IN BRANCH CIRCUITS SHALL NOT EXCEED 2 PERCENT.

16A-2-11 JUNCTION BOXES, PULL BOXES, CABINETS, AND WIREWAYS

PROVIDE JUNCTION BOXES, PULL BOXES, CABINETS AND WIREWAYS WHEREVER NECESSARY FOR PROPER INSTALLATION OF VARIOUS ELECTRICAL SYSTEMS ACCORDING TO NFPA 70 AND WHERE INDICATED ON THE DRAWINGS. SIZE AS REQUIRED FOR THE SPECIFIC FUNCTION OR AS REQUIRED BY NFPA 70, WHICHEVER IS LARGER. CONSTRUCTION SHALL BE OF A NEMA DESIGN SUITABLE FOR THE ENVIRONMENT INSTALLED.

JUNCTION BOXES INSTALLED BEHIND WALL CASES, AND IN OR ON OTHER STORE FIXTURES, EXCEPT WHERE OTHERWISE SPECIFIED, SHALL BE 4-INCH SQUARE OR LARGER, WITH GALVANIZED COVERS.

16A-2-12 OUTLET BOXES

ALL OUTLETS INCLUDING LIGHT FIXTURE, SWITCH, RECEPTACLE, AND SIMILAR OUTLETS: NATIONAL ELECTRICAL, APPLETON, STEEL CITY, RACO, OR APPROVED EQUAL, GALVANIZED STEEL KNOCKOUT BOXES, SUITABLE IN DESIGN TO THE PURPOSE THEY SERVE AND THE SPACE THEY OCCUPY. SIZE AS REQUIRED FOR THE SPECIFIC FUNCTION OR AS REQUIRED BY NFPA 70, WHICHEVER IS LARGER.

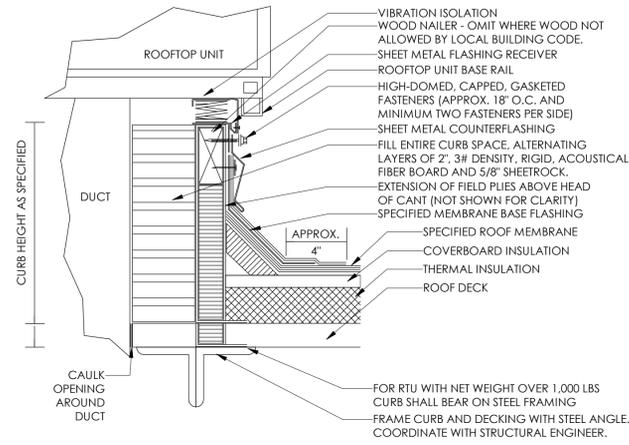
SET ALL OUTLET BOXES IN WALLS, COLUMNS, OR CEILINGS SO THEY ARE FLUSH WITH THE FINISHED SURFACE, ACCURATELY SET, AND RIGIDLY SECURED IN POSITION. PROVIDE PLASTER RINGS. EXTENSION RINGS AND MASONRY RINGS AS REQUIRED TO PROVIDE FLUSH MOUNTING. PROVIDE APPROVED GASKET BOXES, WITH HUBS AND WEATHERPROOF COVERS, IN ALL AREAS SUBJECT TO DAMP, WET, OR HARSH CONDITIONS.

16A-2-13 OUTLET LOCATIONS

COORDINATE LOCATIONS OF OUTLETS BOXES. OUTLETS ARE ONLY APPROXIMATELY LOCATED ON THE SMALL SCALE DRAWINGS. USE GREAT CARE IN THE ACTUAL LOCATION BY CONSULTING THE VARIOUS LARGE SCALE DETAILED DRAWINGS USED BY OTHER DIVISIONS, AND BY SECURING DEFINITE LOCATIONS FROM THE ARCHITECT.

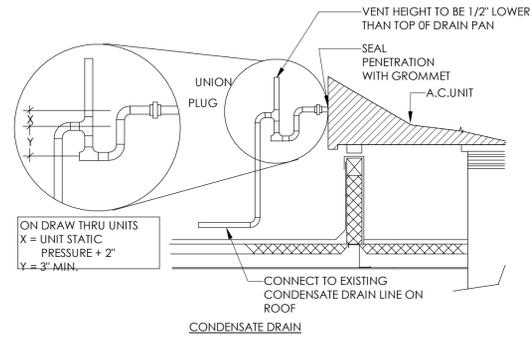
16A-2-14 MOUNTING HEIGHTS

UNLESS NOTED OTHERWISE, INSTALL WIRING DEVICES AS INDICATED BELOW (NOTE: ALL DIMENSIONS ARE TO THE BOTTOM OF THE OUTLET BOX

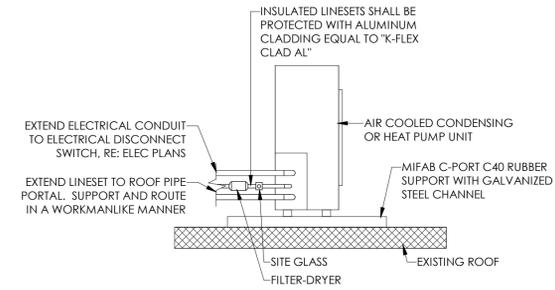


NOTES:
 1. CUT METAL DECKING TO ALLOW CURB INSTALLATION ON STEEL FRAMING. AFTER CURB IS SET IN PLACE, TRIM REMAINING METAL DECKING AND INSTALL WITHIN CURB. TACK WELD DECKING TO SUPPORT STEEL. DO NOT WELD INTERIOR DECKING TO ROOF CURB. PROVIDE ADDITIONAL CROSS FRAMING TO SUPPORT INTERIOR DECKING AND FILL MATERIAL AS REQUIRED.

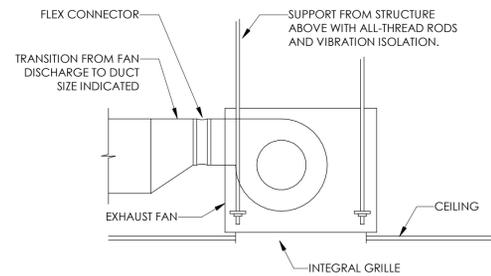
9 ROOF CURB DETAIL
 SCALE: N.T.S.



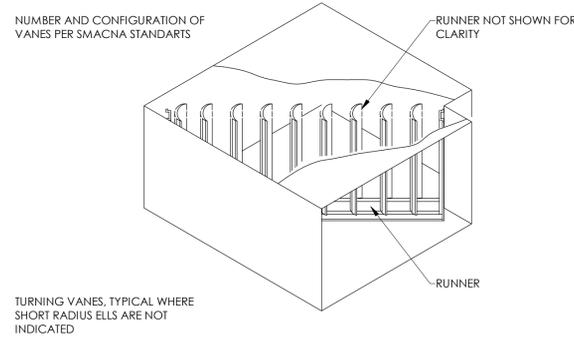
8 RTU CONNECTION DETAIL
 SCALE: N.T.S.



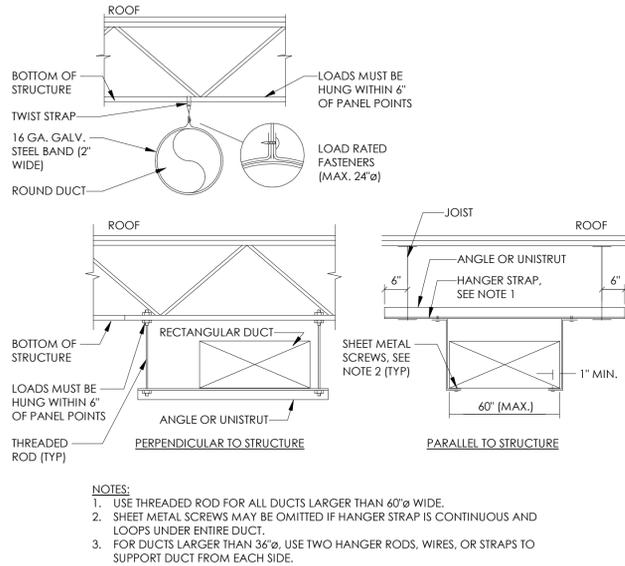
7 ROOFTOP CONDENSING UNIT DETAIL
 SCALE: N.T.S.



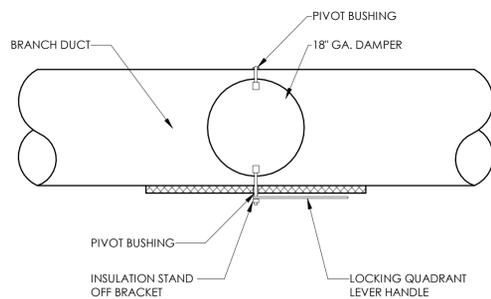
6 CEILING MOUNTED EXHAUST FAN
 SCALE: N.T.S.



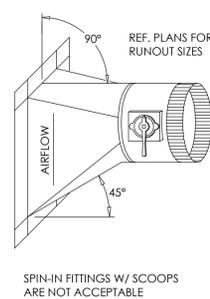
5 TURNING VANE
 SCALE: N.T.S.



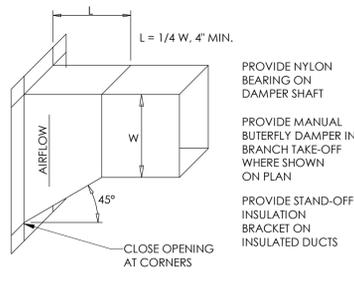
4 DUCT SUPPORT DETAIL
 SCALE: N.T.S.



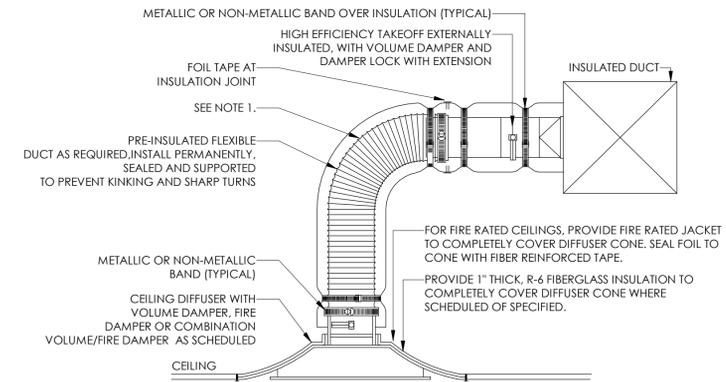
3 MANUAL DAMPER
 SCALE: N.T.S.



2 BRANCH DUCT FITTING
 SCALE: N.T.S.



1 LAY-IN CEILING DIFFUSER
 SCALE: N.T.S.



NOTES:
 1. EXTEND RIGID METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 5'-0\"/>

PROJECT:
 COMMERCIAL DISPENSERY
 FIT-OUT
 TRELIVE; ATTN. ROBERT JOYCE
 6667 S SEMORAN BLVD, UNIT 102
 ORLANDO, FL 32822

PROJECT NUMBER: 24030

COLWELL GROUP
 132 CENTRAL STREET, SUITE 203, FOXBOROUGH, MA 02035
 P. 508-241-1232, F. 508-455-4469, WWW.COLWELGROUP.COM

CORE STATES GROUP
 212 SE 34TH STREET
 SUITE 2
 BENFONVILLE, AR 72712
 479.864.4400
 WWW.CORE-STATES.COM



DESCRIPTION	DATE
PERMIT SET	04/11/2024

DRAWING SCALE: AS NOTED
 DRAWN BY: J.L.K. BY: ZEA

DRAWING TITLE: **MECHANICAL DETAILS**

DRAWING NUMBER: **M5.0**

VENTILATION SCHEDULE - 2020 FLORIDA MECHANICAL CODE											
ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	AREA (SQ.FT.)	NUMBER OF OCCUPANTS	PEOPLE OUTDOOR AIRFLOW RATE (Rp) (CFM/PERSON)	AREA OUTDOOR AIRFLOW RATE (Ra) (CFM/SQ.FT.)	EXHAUST AIRFLOW RATE (CFM/SQ.FT.) (CFM/TOILET)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	REQUIRED MINIMUM OUTSIDE AIR (CFM)	PROVIDED OUTSIDE AIR (CFM)	PROVIDED EXHAUST AIR (CFM)
100	LOBBY	MAIN ENTRANCES/LOBBIES	157	3	5	0.12	0	0.8	42	45	0
101	CONSULT ROOM	OFFICE SPACE	56	2	5	0.06	0	0.8	17	20	0
102	SHOWROOM	RETAIL SALES	350	8	7.5	0.12	0	0.8	128	130	0
103	TELLER	RETAIL SALES	195	5	7.5	0.12	0	0.8	76	80	0
104	ADA RESTROOM	TOILET ROOMS - PUBLIC	53	0	0	0	70	0.8	0	0	100
105	SECURED STORAGE	UNOCCUPIED	354	0	0	0	0	0.8	0	0	0
106	STAFF BREAK ROOM	OFFICE SPACE	228	4	5	5	0	0.8	42	45	0
107	MANAGER'S OFFICE/DATA	OFFICE SPACE	85	2	5	5	0	0.8	19	20	0
108	EMPLOYEE RESTROOM	TOILET ROOMS - PUBLIC	60	0	0	0	70	0.8	0	0	100
TOTAL:									324	340	200

PACKAGED ROOFTOP UNIT SCHEDULE															
MARK	MANUFACTURER	MODEL	NOMINAL TONS	SUPPLY FAN DATA			COOLING PERFORMANCE			HEAT PUMP PERFORMANCE		ELECTRICAL DATA			WEIGHT (LBS)
				SUPPLY AIRFLOW (CFM)	OSA (CFM)	E.S.P. (IN. W.C.)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBh)	SEER2	CAPACITY (MBH)	HSPF2	V/Ph	MCA	MOCP	
RTU-1	TRANE	WHC048	4	1600	340	0.5	48.8	39.1	16.1	44.4	8.4	208/3	29	40	673

GENERAL NOTES:
1. CONTRACTOR SHALL CHOOSE SCHEDULED UNIT OR ENGINEER APPROVED ALTERNATE OF EQUAL PERFORMANCE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY REQUIRED DESIGN CHANGES RESULTING FROM VARIATIONS IN UNIT SIZE AND/OR POWER REQUIREMENTS.
2. PERFORMANCE SHALL COMPLY WITH AHRI 210/240 STANDARDS.
3. PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT WITH AUTO-CHANGE OVER.
4. PROVIDE MANUFACTURER'S HEAT PUMP KIT.
5. PROVIDE SEACOAST PROTECTION ON CONDENSER COIL.

MINI-SPLIT UNIT SCHEDULE													
MARK	MANUFACTURER	MODEL	CFM	COOLING PERFORMANCE			HEATING PERFORMANCE		ELECTRICAL DATA			WEIGHT (LBS)	
				RATED CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	SEER	CAPACITY (MBH)	HSPF	V/PH	MCA	MOCP		
MSAH-1	DAIKIN	FTXN09NMVJU	300	9	8.01	--	9	--	208/1	--	--	18	
MSAH-2	DAIKIN	FTXN09NMVJU	300	9	8.01	--	9	--	208/1	--	--	18	
MSCU-1	DAIKIN	RXN09NMVJU	--	9	8.01	15	9	8.2	208/1	10.1	15	15	
MSCU-2	DAIKIN	RXN09NMVJU	--	9	8.01	15	9	8.2	208/1	10.1	15	15	

GENERAL NOTES:
1. CONTRACTOR SHALL CHOOSE SCHEDULED UNIT OR APPROVED EQUAL. IF AN ALTERNATE EQUIPMENT IS USED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY REQUIRED DESIGN CHANGES RESULTING FROM PHYSICAL VARIATIONS IN SIZE, WEIGHT, AND/OR POWER REQUIREMENTS.
2. PERFORMANCE SHALL COMPLY WITH AHRI 210/240 STANDARDS.
3. PROVIDE WITH WIRED THERMOSTAT.
4. AIR HANDLER SHALL BE PROVIDED WITH FACTORY CONDENSATE PUMP: BLUE DIAMOND X87-721.
5. PROVIDE WITH REFRIGERANT LINESET.
6. MAC-1 POWERED BY MCU-1 THROUGH FIELD SUPPLIED INTERCONNECTED WIRING.
7. MAC-2 POWERED BY MCU-2 THROUGH FIELD SUPPLIED INTERCONNECTED WIRING.
8. PROVIDE HURICANE MOUNTING STRAPS FOR MCU-1 AND MCU-2.

EXHAUST FAN SCHEDULE											
Mark	MANUFACTURER	MODEL	DRIVE TYPE	VOLUME	TOTAL EXTERNAL SP	FAN RPM	VOLTAGE	PHASE	MCA	MOP	INLET SONES
EF-1	GREENHECK	SP-A90	DIRECT	100 CFM	0.25 in-wg	900	115 V	1	0 A	15 A	0.4
EF-2	GREENHECK	SP-A90	DIRECT	100 CFM	0.25 in-wg	900	115 V	1	0 A	15 A	0.4

GENERAL NOTES:
1. CONTRACTOR SHALL CHOOSE SCHEDULED UNIT OR APPROVED EQUAL. IF ALTERNATE EQUIPMENT IS USED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY REQUIRED DESIGN CHANGES RESULTING FROM PHYSICAL VARIATIONS IN SIZE, WEIGHT, AND/OR POWER REQUIREMENTS.
2. PROVIDE WITH GRAVITY BACKDRAFT DAMPER AND INSECT SCREEN.
3. FAN TO BE CONTROLLED THROUGH SPACE LIGHTING CONTROLS. REFERENCE ELECTRICAL SHEETS.
4. PROVIDE WITH FAN SPEED CONTROLLER.

AIR DEVICE SCHEDULE				
MARK	MANUFACTURER	MODEL	DESCRIPTION	FACE SIZE (DUCT SIZE)
R-1	TITUS	OMNI	SQUARE PLAQUE SUPPLY DIFFUSER	24x24
S-1	TITUS	OMNI	SQUARE PLAQUE SUPPLY DIFFUSER	24x24

GENERAL NOTES:
1. CONTRACTOR SHALL CHOOSE SCHEDULED UNIT OR APPROVED ALTERNATE OF EQUAL PERFORMANCE.
2. PROVIDE WITH STANDARD WHITE FINISH.
3. PROVIDE WITH NECK FOR DUCT CONNECTION.
4. NECK SIZE SHALL MATCH BRANCH DUCT SIZE.

MECHANICAL SYMBOLS	
	RECTANGULAR DUCT 18" WIDE BY 12" DEEP (INSIDE CLEAR DIMENSIONS)
	12" DIAMETER ROUND DUCT (INSIDE CLEAR DIMENSIONS)
	SUPPLY DUCT IN SECTION
	RETURN OR EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES
	TEE WITH TURNING VANES
	FIRE DAMPER
	ROUND (OR OVAL) ELBOW
	SUPPLY AIR DIFFUSER WITH ROUND SUPPLY DUCT
	RETURN OR EXHAUST AIR DIFFUSER WITH ROUND DUCT
	DIFFUSER OR GRILLE TYPE & CFM
	THERMOSTAT
	TEMPERATURE SENSOR
	CO2 SENSOR
	SMOKE DETECTOR
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	CONDENSATE
	MANUAL BALANCE DAMPER

GENERAL MECHANICAL NOTES	
A.	EACH CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO LACK OF THIS KNOWLEDGE. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
B.	COORDINATE WORK WITH ALL OTHER TRADES AND DRAWINGS TO DETERMINE INTERFACE REQUIREMENTS NECESSARY TO PROPERLY INTEGRATE ALL MAJOR BUILDING SYSTEMS.
C.	THE DRAWINGS ARE SCHEMATIC ONLY AND THE CONTRACTOR SHALL MAKE ADJUSTMENTS FOR SPACE REQUIREMENTS AND CONFLICTS WITH OTHER TRADES AND SHALL OBTAIN APPROVAL FROM THE ARCHITECT FOR ANY VARIATION FROM THE INDICATED LOCATIONS.
D.	ALL EQUIPMENT AND SYSTEMS CALLED FOR SHALL BE INSTALLED BY EXPERIENCED CRAFTSMEN AND SHALL INCLUDE ALL NECESSARY DEVICES, APPURTENANCE AND EQUIPMENT FOR A COMPLETE WORKABLE SYSTEM. ALL SYSTEMS AND EQUIPMENT SHALL BE GUARANTEED AND FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR TIME PERIODS OF GUARANTEE AS SPECIFICALLY CALLED FOR OR FOR A MINIMUM TIME OF ONE YEAR WHERE NO TIME LIMIT IS SET FORTH.
E.	SPRINKLER HEAD AND LIGHTING FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER LOCATIONS. COORDINATE WITH ELECTRICAL CONTRACTOR AND FIRE PROTECTION CONTRACTOR.
F.	DUCTWORK IDENTIFICATION AND INSTALLATION TO ADHERE TO GOVERNING CODES.
G.	INSULATE ALL ROUND DUCTS ABOVE CEILING EXTERNALLY WITH 2" FIBERGLASS INSULATION WITH VAPOUR BARRIER. SPIRAL DUCT TO BE INTERNALLY INSULATED WITH 1" THICK LINER. TAPE ALL JOINTS. ALL DUCT SIZES SHOWN ARE NET CLEAR DIMENSIONS. CONTRACTOR TO INCREASE SIZE FOR LINER AS REQUIRED. INSULATE ALL RECTANGULAR DUCT WITH 1" THICK 1-1/2LB. DENSITY DUCT LINER.
H.	FLEXIBLE DUCTWORK MAINS ARE NOT PERMITTED. PROVIDE MAXIMUM 5'-0" FLEXIBLE DUCT CONNECTIONS TO CEILING DIFFUSERS.
I.	TYPICAL BRANCH FITTING DETAILS ARE APPLICABLE THROUGHOUT.
J.	FURNISH AND INSTALL VOLUME/BALANCE DAMPERS AT ALL BRANCH DUCTS TO DIFFUSERS. PROVIDE ACCESS DOORS AS REQUIRED.
K.	PROVIDE FIRE SEAL WHERE PIPING AND DUCTWORK PENETRATE FIRE RATED ASSEMBLY.
L.	PROVIDE SEISMIC BRACING BASED ON APPROPRIATE SEISMIC ZONE REQUIREMENTS PER SMACNA PUBLISHED SEISMIC DETAILS. LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.
M.	ALL TEMPERATURE SENSORS, FAN SWITCHES, AND SPEED CONTROLS SHALL BE MOUNTED 42 INCHES ABOVE THE FLOOR FOR ADA ACCESSIBILITY.
N.	PROVIDE A COMPLETE TEST AND BALANCE FOR HVAC SYSTEM. AIR BALANCE SHALL BE WITHIN 5% OF SCHEDULED AIRFLOWS.

PROJECT:	COMMERCIAL DISPENSERY FIT-OUT
	TRELIVE, ATTN. ROBERT JOYCE
	6667 S SEMORAN BLVD, UNIT 102
	ORLANDO, FL 32822

PROJECT NUMBER:	24030
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DESCRIPTION	DATE
PERMIT SET	04/11/2024

DRAWING SCALE:	AS NOTED
DRAWN BY:	JLK
CHECKED BY:	ZEAL

DRAWING TITLE:
MECH SCHEDULES, LEGEND AND NOTES

DRAWING NUMBER:
M6.0

DIVISION 15

15A: GENERAL

15A 1-1 GENERAL REQUIREMENTS

REQUIREMENTS UNDER DIVISION ONE AND THE GENERAL AND SUPPLEMENTARY CONDITIONS OF THESE SPECIFICATIONS SHALL BE A PART OF THIS SECTION. CONTRACTOR SHALL BECOME THOROUGHLY ACQUAINTED WITH ITS CONTENTS AS TO REQUIREMENTS THAT AFFECT THIS DIVISION OR SECTION. THE WORK REQUIRED UNDER THIS SECTION INCLUDES MATERIAL, EQUIPMENT, APPLIANCES, TRANSPORTATION, SERVICES, AND LABOR REQUIRED TO COMPLETE THE ENTIRE SYSTEM AS REQUIRED BY DRAWINGS AND SPECIFICATIONS.

THE SPECIFICATIONS AND DRAWINGS FOR THE PROJECT ARE COMPLEMENTARY, AND PORTIONS OF THE WORK DESCRIBED IN ONE SHALL BE PROVIDED AS IF DESCRIBED IN BOTH. IN THE EVENT OF DISCREPANCIES, NOTIFY THE ENGINEER AND/OR OWNER AND REQUEST CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK INVOLVED.

15A 1-2 INSPECTION OF SITE

PRIOR TO SUBMITTING BID, VISIT THE SITE OF THE PROPOSED WORK AND BECOME FULLY INFORMED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. FAILURE TO DO SO WILL NOT BE CONSIDERED SUFFICIENT JUSTIFICATION TO REQUEST OR OBTAIN EXTRA COMPENSATION OVER AND ABOVE THE CONTRACT PRICE.

15A 1-3 MATERIAL AND WORKMANSHIP

PROVIDE NEW MATERIAL, EQUIPMENT, AND APPARATUS UNDER THIS CONTRACT UNLESS OTHERWISE STATED HEREIN, OF BEST QUALITY NORMALLY USED FOR THE PURPOSE IN GOOD COMMERCIAL PRACTICE, AND FREE FROM ANY DEFECTS. MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS ARE NOT NECESSARILY INTENDED TO DESIGNATE THE REQUIRED TRIM, WRITTEN DESCRIPTION OF THE OF THE TRIM GOVERN MODEL NUMBERS.

WORK PERFORMED UNDER THIS CONTRACT SHALL PROVIDE A NEAT AND "WORKMANLIKE" APPEARANCE WHEN COMPLETED, TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER. WORKMANSHIP SHALL BE THE FINEST POSSIBLE BY EXPERIENCED MECHANICS. INSTALLATIONS SHALL COMPLY WITH APPLICABLE CODES AND LAWS.

THE COMPLETE INSTALLATION SHALL FUNCTION AS DESIGNED AND INTENDED WITH RESPECT TO EFFICIENCY, CAPACITY, NOISE LEVEL, ETC. ABNORMAL NOISE CAUSED BY RATTLING EQUIPMENT, PIPING, DUCTS, AIR DEVICES, AND SQUEAKS IN MOVING COMPONENTS WILL NOT BE ACCEPTABLE. IN GENERAL, MATERIALS AND EQUIPMENT SHALL BE OF COMMERCIAL SPECIFICATION GRADE IN QUALITY. LIGHT DUTY AND RESIDENTIAL TYPE EQUIPMENT WILL NOT BE ACCEPTED.

REMOVE FROM THE PREMISES WASTE MATERIAL PRESENT AS A RESULT OF WORK, INCLUDING CARTONS, CRATING, PAPER, AND STICKERS, ETC. CLEAN EQUIPMENT INSTALLED UNDER THIS CONTRACT TO PRESENT A NEAT AND CLEAN INSTALLATION AT THE TERMINATION OF THE WORK.

REPAIR OR REPLACE PUBLIC AND PRIVATE PROPERTY DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT TO THE SATISFACTION OF AUTHORITIES AND REGULATIONS HAVING JURISDICTION.

15A 1-4 COORDINATION

COORDINATE WORK WITH THAT OF OTHER TRADES SO THAT THE VARIOUS COMPONENTS OF THE SYSTEMS WILL BE INSTALLED AT THE PROPER TIME, WILL FIT THE AVAILABLE SPACE, AND WILL ALLOW PROPER SERVICE ACCESS TO THOSE ITEMS REQUIRING MAINTENANCE. COMPONENTS WHICH ARE INSTALLED WITHOUT REGARD TO THE ABOVE SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER.

UNLESS OTHERWISE INDICATED, THE GENERAL CONTRACTOR WILL PROVIDE CHASES AND OPENINGS IN BUILDING CONSTRUCTION REQUIRED FOR INSTALLATION OF THE SYSTEMS SPECIFIED HEREIN. CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AT THE BUILDING, AS VARIATIONS MAY OCCUR. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ERRORS THAT COULD HAVE BEEN AVOIDED BY PROPER CHECKING AND INSPECTION.

PROVIDE MATERIALS WITH TRIM THAT WILL PROPERLY FIT THE TYPES OF CEILING, WALL, OR FLOOR FINISHES ACTUALLY INSTALLED. MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS ARE NOT INTENDED TO DESIGNATE THE REQUIRED TRIM.

15A 1-5 ORDINANCES AND CODES

WORK PERFORMED UNDER THIS CONTRACT SHALL, AT MINIMUM, BE IN CONFORMANCE WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES HAVING JURISDICTION. EQUIPMENT FURNISHED AND ASSOCIATED INSTALLATION WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN STRICT COMPLIANCE WITH CURRENT APPLICABLE CODES ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION INCLUDING ANY AMENDMENTS AND STANDARDS AS SET FORTH BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), UNDERWRITERS LABORATORIES (UL), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS (ASHRAE), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) AND OTHER NATIONAL STANDARDS AND CODES WHERE APPLICABLE. WHERE THE CONTRACT DOCUMENTS EXCEED THE REQUIREMENTS OF THESE REFERENCED CODES, STANDARDS, ETC., THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE.

PROCURE AND PAY FOR PERMITS AND LICENSES REQUIRED FOR THE ACCOMPLISHMENT OF THE WORK HEREIN DESCRIBED, WHERE REQUIRED. OBTAIN, PAY FOR AND FURNISH CERTIFICATES OF INSPECTION TO OWNER. CONTRACTOR WILL BE HELD RESPONSIBLE FOR VIOLATIONS OF THE LAW.

15A 1-6 PROTECTION OF EQUIPMENT AND MATERIALS

STORE AND PROTECT FROM DAMAGE EQUIPMENT AND MATERIALS DELIVERED TO JOB SITE. COVER WITH WATERPROOF, TEAR-RESISTANT, HEAVY TARP OR POLYETHYLENE PLASTIC AS REQUIRED TO PROTECT FROM PLASTER, DIRT, PAINT, WATER, OR PHYSICAL DAMAGE. EQUIPMENT AND MATERIAL THAT HAS BEEN DAMAGED BY CONSTRUCTION ACTIVITIES WILL BE REJECTED, AND CONTRACTOR IS OBLIGATED TO FURNISH NEW EQUIPMENT AND MATERIAL OF A LIKE KIND.

KEEP PREMISES ROOM CLEAN FROM FOREIGN MATERIAL CREATED DURING WORK PERFORMED UNDER THIS CONTRACT. PIPING, EQUIPMENT, ETC., SHALL HAVE A NEAT AND CLEAN APPEARANCE AT THE TERMINATION OF THE WORK.

PLUG OR CAP OPEN ENDS OF DUCTWORK AND PIPING SYSTEMS WHILE STORED OR INSTALLED DURING CONSTRUCTION WHEN NOT IN USE TO PREVENT THE ENTRANCE OF DEBRIS INTO THE SYSTEMS.

KEEP THE MANUFACTURER PROVIDED PROTECTIVE COVERING ON FLOOR DRAINS, FLOOR SINKS, AND TRENCH DRAINS DURING CONSTRUCTION. REMOVE COVERINGS AT THE TERMINATION OF THE WORK AND POLISH EXPOSED SURFACES.

15A 1-7 OPERATION AND MAINTENANCE INSTRUCTIONS

COLLECT AND COMPILE A COMPLETE BROCHURE OF FIXTURES, MATERIALS, AND EQUIPMENT FURNISHED AND INSTALLED ON THIS PROJECT. INCLUDE OPERATIONAL AND MAINTENANCE INSTRUCTIONS, MANUFACTURER'S CATALOG SHEETS, WIRING DIAGRAMS, PARTS LISTS, APPROVED SHOP DRAWINGS, AND DESCRIPTIVE LITERATURE FURNISHED BY THE MANUFACTURER. INCLUDE AN INSIDE COVER SHEET THAT LISTS THE PROJECT NAME, DATE, OWNER, ARCHITECT, ENGINEER, GENERAL CONTRACTOR, SUBCONTRACTOR, AND AN INDEX OF CONTENTS.

SUBMIT COPIES OF LITERATURE BOUND IN APPROVED BINDERS TO THE ARCHITECT AND OWNER AT THE TERMINATION OF THE WORK. PAPER CLIPS, STAPLES, RUBBER BANDS, AND MAILING ENVELOPES ARE NOT CONSIDERED APPROVED BINDERS. FINAL APPROVAL OF PLUMBING SYSTEMS WILL BE WITHHELD UNTIL THIS EQUIPMENT BROCHURE IS DEEMED COMPLETE BY THE ARCHITECT, ENGINEER, AND OWNER.

15A 1-8 WARRANTIES

WARRANT EACH SYSTEM AND EACH ELEMENT THEREOF AGAINST ALL DEFECTS DUE TO FAULTY WORKMANSHIP, DESIGN OR MATERIAL FOR A PERIOD OF 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION, UNLESS SPECIFIC ITEMS ARE NOTED TO CARRY A LONGER WARRANTY IN THE CONSTRUCTION DOCUMENTS OR MANUFACTURER'S STANDARD WARRANTY EXCEEDS 12 MONTHS. REMEDY ALL DEFECTS, OCCURRING WITHIN THE WARRANTY PERIOD(S) STATED IN THE GENERAL CONDITIONS AND DIVISION 1.

WARRANTIES SHALL INCLUDE LABOR AND MATERIAL, MAKE REPAIRS OR REPLACEMENTS WITHOUT ANY ADDITIONAL COST TO THE OWNER.

PERFORM THE REMEDIAL WORK PROMPTLY, UPON WRITTEN NOTICE FROM THE ENGINEER OR OWNER.

AT THE TIME OF SUBSTANTIAL COMPLETION, DELIVER TO THE OWNER ALL WARRANTIES, IN WRITING AND PROPERLY EXECUTED, INCLUDING TERM LIMITS FOR WARRANTIES EXTENDING BEYOND THE ONE YEAR PERIOD, EACH WARRANTY INSTRUMENT BEING ADDRESSED TO THE OWNER AND STATING THE COMMENCEMENT DATE AND TERM.

15A 1-9 CUTTING AND PATCHING

PERFORM CUTTING OF WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED TO INSTALL WORK UNDER THIS SECTION. OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO CUTTING. DO NOT CUT OR DISTURB STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT. CUT HOLES AS SMALL AS POSSIBLE. GENERAL CONTRACTOR SHALL PATCH WALLS, FLOORS, ETC., AS REQUIRED BY WORK UNDER THIS SECTION. PATCHING SHALL MATCH THE ORIGINAL MATERIAL AND CONSTRUCTION. REPAIR AND REFINISH AREAS DISTURBED BY WORK TO THE CONDITION OF ADJOINING SURFACES IN A MANNER SATISFACTORY TO THE ARCHITECT.

15A 1-10 ROUGH-IN

COORDINATE WITHOUT DELAY ROUGHING-IN WITH GENERAL CONSTRUCTION. CONCEAL PIPING AND CONDUIT ROUGH-IN EXCEPT IN UNFINISHED AREAS AND WHERE OTHERWISE SHOWN.

15A 1-11 STRUCTURAL STEEL

STRUCTURAL STEEL USED FOR PIPE SUPPORTS, EQUIPMENT SUPPORTS, ETC., SHALL BE NEW, CLEAN, AND CONFORM TO ASTM DESIGNATION A-36.

SUPPORT PLUMBING AND MECHANICAL EQUIPMENT AND PIPING FROM THE BUILDING STRUCTURE. DO NOT SUPPORT PLUMBING EQUIPMENT FROM CEILINGS, OTHER MECHANICAL OR ELECTRICAL COMPONENTS, AND OTHER NON-STRUCTURAL ELEMENTS.

15A 1-12 ACCESS DOORS

PROVIDE ACCESS DOORS IN CEILING AND WALLS WHERE INDICATED OR REQUIRED FOR ACCESS TO CONCEALED VALVES AND EQUIPMENT INSTALLED UNDER THIS SECTION. PROVIDE CONCEALED HINGES, SCREWDRIVER-TYPE LOCK, ANCHOR STRAPS MANUFACTURED BY MILCOR, ZURN, TITUS, OR EQUAL. OBTAIN ARCHITECT'S APPROVAL OF TYPE, SIZE, LOCATION, AND COLOR BEFORE ORDERING.

15A 1-13 PENETRATIONS

SEAL FLOOR, EXTERIOR WALL, AND ROOF PENETRATIONS WATER AND WEATHERTIGHT WITH APPROPRIATE NON-SHRINK, NON-HARDENING COMMERCIAL CONSTRUCTION SEALANT. SEAL ROOF PENETRATIONS WITH 4 POUND PER SQUARE FOOT LEAD FLASHING. PROVIDE A SLEEVE, AND SEAL NON-FIRE-RATED FLOOR AND WALL PENETRATIONS WITH FIBERGLASS PACKING AND SILICONE CAULK (FOR ACOUSTICAL INSULATION).

COORDINATE FIRE RATING REQUIREMENTS AND LOCATIONS WITH THE ARCHITECT. SEAL PENETRATIONS OF FIRE-RATED ASSEMBLIES WITH 3M CP-25 FIRE BARRIER CAULK (PROVIDE THICKNESS AND METHOD AS REQUIRED AND RECOMMENDED BY MANUFACTURER) TO MAINTAIN THE FIRE RESISTANCE RATING OF FIRE-RATED ASSEMBLIES.

SEAL EXTERIOR WALL PENETRATIONS BELOW GRADE WITH CAST IRON WALL PIPES AND MODULAR MECHANICAL SLEEVE SEALS, MANUFACTURED BY THUNDERLINE/LINK SEAL, CALPICO, INC AND METRAFLEX.

PROVIDE SLEEVES FOR HORIZONTAL PIPE PASSING THROUGH OR UNDER FOUNDATION. SLEEVES SHALL BE CAST IRON SOIL PIPE TWO NOMINAL PIPE SIZES LARGER THAN THE PIPE SERVED.

PROVIDE SLEEVES FOR VERTICAL PIPE PASSING THROUGH SLAB ON GRADE. SLEEVES SHALL BE SCHEDULE 40 PVC PIPE, TWO NOMINAL PIPE SIZES LARGER THAN THE PIPE SERVED. SEAL WATER-TIGHT WITH SILICONE CAULK.

15B: HEATING, VENTILATION, AND AIR CONDITIONING

15B 1-1 DUCTWORK

ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS CORRESPONDING TO THE SYSTEM PRESSURE. DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR A TWO-INCH PRESSURE RATING AND SEAL CLASS B.

SUPPLY AND RETURN DUCTWORK INSIDE THE BUILDING SHALL BE INSULATED WITH 1" THICK ACOUSTICAL LINING WITH A MINIMUM R-VALUE OF 4.5 OR EXTERNALLY WRAPPED WITH 2" THICK GLASS FIBER DUCT WRAP. INSULATE SUPPLY AND RETURN DUCTWORK LOCATED OUTSIDE THE BUILDING WITH 2" LINER AND SEAL SEAMS WEATHER TIGHT. DEDICATED OUTSIDE AIR SUPPLY DUCTWORK LOCATED WITHIN THE BUILDING SHALL BE INSULATED WITH 2" DUCT WRAP.

FLEXIBLE DUCTWORK MAINS ARE NOT PERMITTED. PROVIDE MAXIMUM 5'-0" FLEXIBLE DUCT CONNECTIONS TO CEILING DIFFUSERS.

FURNISH AND INSTALL VOLUME/BALANCE DAMPERS AT ALL BRANCH DUCTS TO DIFFUSERS. LOCATE DAMPERS A MINIMUM OF 4'-0" AWAY FROM DIFFUSERS.

INSTALL VTR'S EXHAUST FANS, AND FLUES A MINIMUM OF 5'-0" FROM PARAPET OR OUTSIDE WALL AND 10'-0" MINIMUM FROM EQUIPMENT WITH OUTSIDE AIR INTAKE.

15B 1-2 ELECTRICAL WIRING

LINE VOLTAGE WIRING SHALL BE FURNISHED BY DIVISION 16. LINE VOLTAGE CONTROL AND INTERLOCK WIRING FOR MECHANICAL SYSTEMS SHALL ALSO BE FURNISHED BY DIVISION 16 CONTRACTOR. LOW VOLTAGE CONTROL WIRING SHALL BE BY THE DIVISION 15 CONTRACTOR. PROVIDE WIRING DIAGRAMS TO THE DIVISION 16 CONTRACTOR AS REQUIRED FOR PROPER EQUIPMENT HOOKUP. COORDINATE WITH THE DIVISION 16 CONTRACTOR THE ACTUAL WIRE SIZING AMPS FOR MECHANICAL EQUIPMENT (FROM THE EQUIPMENT NAMEPLATE) TO ENSURE PROPER INSTALLATION.

ALL TEMPERATURE SENSORS, FAN SWITCHES, AND SPEED CONTROLS SHALL BE INSTALLED 48" ABOVE THE FLOOR FOR ADA REQUIREMENTS.

15B 1-3 FINAL TESTING AND ADJUSTMENTS

AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AIR BALANCE CONTRACTOR. BALANCE EACH SUPPLY, RETURN, AND OUTSIDE AIR DEVICE WITHIN 5% OF REQUIREMENTS AND FURNISH A REPORT TO THE CONSTRUCTION MANAGER. THE ENTIRE HVAC SYSTEM MUST BE FULLY OPERABLE, BALANCED, AND APPROVED BY OWNER'S REPRESENTATIVE ON THE DAY TENANT OPENS FOR BUSINESS.

ADJUST THERMOSTATS AND CONTROL DEVICES TO OPERATE AS INTENDED. ADJUST BURNERS, PUMPS, FANS, ETC. FOR PROPER AND EFFICIENT OPERATION. CERTIFY TO ARCHITECT THAT ADJUSTMENTS HAVE BEEN MADE AND THAT SYSTEM IS OPERATING SATISFACTORILY. CALIBRATE, SET AND ADJUST AUTOMATIC TEMPERATURE CONTROLS. CHECK PROPER SEQUENCING OF INTERLOCK SYSTEMS, AND OPERATION OF SAFETY CONTROLS.

15C: PLUMBING

15C 1-1 PIPING MATERIALS

MATERIALS SPECIFIED OR NOTED ON THE DRAWINGS ARE SUBJECT TO THE APPROVAL OF LOCAL CODE AUTHORITIES. VERIFY APPROVAL BEFORE INSTALLING ANY MATERIAL OR JOINING METHOD.

DOMESTIC WATER (COLD, HOT, SOFT): DOMESTIC WATER PIPING INSTALLED ABOVE THE FLOOR SLAB INSIDE THE BUILDING SHALL BE TYPE "L" HARD TEMPER COPPER TUBE WITH WROUGHT COPPER.

FITTINGS AND SOLDERED CONNECTIONS MADE UP WITH 95/5 SOLDER. BRAZED MECHANICALLY FORMED TEE CONNECTIONS (T-DRILL) MAY BE USED IN COPPER LINES WHERE APPROVED BY CODE CONNECTION SHALL BE MADE WITH BRAZED SILVER SOLDER (SILFOS) JOINTS IN CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS.

UNDERGROUND DOMESTIC WATER PIPING SHALL BE TYPE "K" SOFT TEMPER COPPER TUBING WITH FLARED COPPER ALLOY FITTINGS AND CONNECTIONS, OR TYPE "K" HARD TEMPER COPPER TUBING WITH CONVENTIONAL WROUGHT COPPER FITTINGS AND SILVER SOLDER (SILFOS) JOINTS. INSTALL AS FEW UNDERGROUND COPPER PIPING JOINTS AS POSSIBLE. AT BUILDING SERVICE ENTRANCE, NO JOINTS SHALL BE INSTALLED UNDER OR WITHIN 5 FEET OF THE BUILDING. INSTALL DOMESTIC WATER PIPING BELOW GRADE OUTSIDE BUILDING AT ADEQUATE DEPTH TO PREVENT FREEZING.

INTERIOR WASTE AND VENT BELOW SLAB: WASTE AND AVERT PIPE BELOW SLAB INSIDE BUILDING SHALL BE STANDARD WEIGHT CAST IRON SOIL PIPE WITH HUB AND SPIGOT FITTINGS WITH NEOPRENE GASKET JOINTS. HUBLESS WASTE AND VENT PIPE IS NOT PERMITTED BELOW BASE SLAB. PVC DWV PIPE WITH SOCKET FITTINGS AND SOLVET WELD JOINTS IS ALSO PERMITTED WHERE APPROVED BY CODE.

INTERIOR WASTE AND VENT ABOVE SLAB: WASTE AND VENT PIPE ABOVE SLAB INSIDE BUILDING SHALL BE HUBLESS CAST IRON SOIL PIPE AND FITTINGS WITH HUBLESS COUPLINGS. PVC DWV PIPE WITH SOCKET FITTINGS AND SOLVENT WLD JOINTS IS ALSO PERMITTED WHERE APPROVED BY CODE AND LOCAL AUTHORITY HAVING JURISDICTION.

INDIRECT AND CONDENSATE DRAIN INSIDE BUILDING: INDIRECT AND CONDENSATE DRAIN PIPE INSTALLED INSIDE THE BUILDING SHALL BE TYPE "M" HARD COPPER WITH WROUGHT COPPER FITTINGS FOR 1" AND SMALLER AND "DWV" COPPER WITH WROUGHT COPPER DRAINAGE PATTERN FITTINGS FOR 1-1/4" AND LARGER HARD TEMPER COPPER TUBE AND SOLDERED CONNECTIONS MADE WITH 95/5 SOLDER. INSTALL CLEANOUTS AT ELBOWS GREATER THAN 45 DEGREES.

GAS PIPING: SCHEDULE 40 BLACK CARBON STEEL WITH MALLEABLE IRON THREADED FITTINGS. PAINT ALL GAS PIPING EXPOSED TO WEATHER WITH ONE COAT OF PRIMER, AND TWO COATS OF RUST-PROOF PAINT. COLOR SHALL MATCH BUILDING COLORS. COORDINATE WITH GENERAL CONTRACTOR.

15C 1-2 PIPING AND EQUIPMENT INSULATION

DOMESTIC COLD WATER, HOT WATER, INDIRECT AND CONDENSATE DRAIN PIPE (WITHIN BUILDING): 1" ONE-PIECE FIBERGLASS COVERING WITH FIRE-RESISTANT JACKET WITH SELF-SEALING LAP TO PROVIDE A CONTINUOUS VAPOR BARRIER BY CERTAINTED, OWENS-CORNING OR ARMSTRONG. FOR PIPING AT HANGERS PROVIDE 8" LONG SECTIONS OF HIGH DENSITY, HIGH TEMPERATURE CALCIUM SILICATE BY JOHNS-MANVILLE, FIBERGLASS BY KNAUF, OR 8" LONG STYROFOAM BILLETS BY DOW. INSULATION SHALL BE CONTINUOUS ALONG THE PIPE SURFACE, EXCEPT AT VALVES, UNIONS, AND WHERE PIPING IS EXPOSED AT FIXTURES.

FOR HOT AND COLD WATER PIPING INSTALLED INSIDE MASONRY UNITS OF WALLS, PROVIDE 1" FLEXIBLE UNICELLULAR INSULATION BY ARMACELL.

COVER FITTINGS WITH ZESTON, KNAUF, OR EQUAL ONE-PIECE PVC PREMOLDED INSULATING COVERS, FITTING COVERS, JACKETS AND ADHESIVES SHALL NOT EXCEED FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPMENT RATING OF 50 PER ASTM E84. AT ALL ELBOWS AND TEES, FILL VOIDS BETWEEN COVERS AND PIPING WITH FIBERGLASS INSULATION AND TAPE JOINTS. INSTALL PIPE INSULATION IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS, WHERE PREMOLDED INSULATING FITTINGS ARE NOT APPROVED BY LOCAL AUTHORITIES, MITER INSULATION AT FITTINGS.

15C 1-3 PIPING INSTALLATION

GENERAL: CLEAN PIPE THOROUGHLY PRIOR TO INSTALLATION. REAM ENDS OF PIPE TO REMOVE BURRS. CUT PIPE ACCURATELY TO MEASUREMENTS TAKEN ON THE JOB. INSTALL WITH ADEQUATE CLEARANCE FOR INSTALLATION OF COVERINGS WHERE REQUIRED. PIPE SHALL NOT BE SPRUNG OR BENT. NEATLY ALIGN PIPE, CONNECT IT SECURELY, AND SUPPORT IT FROM THE BUILDING STRUCTURE WITH HANGERS AS SPECIFIED BELOW. PROVIDE CHROME-PLATED ESCUTCHEONS ON PIPES PASSING THROUGH CEILINGS, FLOORS OR WALLS OF FINISHED SPACES. RUN PIPES FREELY THROUGH FLOOR AND WALL PENETRATIONS USING PIPE SLEEVES. DO NOT GROUT IN PLACE UNLESS REQUIRED FOR STRUCTURAL PIPE INTEGRITY. INSTALL PIPE CONCEALED IN FINISHES SPACES WHEREVER POSSIBLE. USE A DIELECTRIC UNION WHERE FERROUS AND COPPER PIPE CONNECT. DIELECTRIC UNION SHALL HAVE A ZINC-PLATED STEEL BODY, A THREADED NYLON INSERT, AND INSULATING PRESSURE GASKET. NO FERROUS METAL-TO-COPPER CONNECTION MADE WITHOUT INSULATING UNIONS WILL BE ALLOWED.

HANGER SUPPORTS: PIPE HANGERS SHALL BE AS DESCRIBED IN THE SPECIFICATIONS BY B-LINE OR EQUAL BY ANVIL, MICHIGAN, TRUSCON, OR UNISTRUT. CONNECT HANGERS TO THE STRUCTURE WITH SIDE BEAM CONNECTORS AND ALL THREAD HANGER ROD. PROVIDE ENGINEERED SUPPORT STRUTS BETWEEN JOISTS AND OTHER STRUCTURAL MEMBERS AS REQUIRED TO PROVIDE A RIGID HANGING INSTALLATION. DO NOT HANG PIPES FROM OTHER PIPES, CONDUIT OR DUCTWORK. PROVIDE HANGER RODS AND SPACE HANGERS AT INTERVALS AS REQUIRED.

SOIL, WASTE AND STORM: GRADE SOIL AND WASTE PIPING TO A UNIFORM SLOPE OF NOT LESS THAN 1/8" PER FOOT FOR PIPING 4" OR LARGER, AND NOT LESS THAN 1/4" PER FOOT FOR PIPING 3" OR SMALLER. SLOPE STORM PIPING AT 1/8" PER FOOT. LAY PIPE AT UNIFORM SLOPE, FREE FROM SAGS, WITH HUB END UPSTREAM. SUPPORT PIPE AT EACH JOINT. MAKE CHANGES IN DIRECTION FROM HORIZONTAL TO VERTICAL, AT FIXTURE BRANCHES AND OTHER BRANCH CONNECTION WITH SANITARY "TEES" OR SHORT SWEEP "ELLS". MAKE CHANGES IN DIRECTION FROM VERTICAL TO HORIZONTAL OR IN THE HORIZONTAL WITH LONG RADIUS FITTINGS, LONG SWEEPING "ELLS", COMBINATION "Y" FITTINGS, OR 45 DEGREE "ELLS" (1/8 BEND FITTINGS) AND "Y" FITTINGS.

DOMESTIC WATER: ARRANGE COLD, HOT AND HOT WATER RECIRCULATION PIPING TO DRAIN AT THE LOWEST POINT IN EACH SYSTEM. INSTALL AT LEAST ONE PIPE UNION ADJACENT TO ALL SHUTOFF VALVES. AT CONNECTION POINT OF EACH PIECE OF EQUIPMENT, AND ELSEWHERE IN THE SYSTEM WHERE REQUIRED TO ALLOW PROPER MAINTENANCE, PROVIDE UNIONS OF THE GROUND JOINT TYPE. MAKE ALLOWANCE FOR EXPANSION AND CONTRACTION WHERE REQUIRED BY THE INSTALLATION, WHERE WATER PIPING OCCURS IN EXTERIOR WALLS, HOLD PIPE AS CLOSE AS POSSIBLE TO THE INTERIOR FACE OF WALL AND INSTALL INSULATION BATT OR OTHER INSULATION (MINIMUM R8) BETWEEN PIPING AND THE EXTERIOR WALL FACE.

15C 1-4 SYSTEM TESTING AND ADJUSTING

UPON COMPLETION OF EACH PHASE OF THE INSTALLATION, TEST EACH SYSTEM IN CONFORMANCE WITH LOCAL CODE REQUIREMENTS AND LANDLORD CRITERIA. FURNISH LABOR AND EQUIPMENT REQUIRED TO TEST PLUMBING WORK INSTALLED UNDER THIS CONTRACT, AND ASSUME COST INVOLVED IN MAKING THE TESTS, AND REPAIRING AND/OR REPLACING DAMAGE RESULTING THERE FROM.

NOTIFY THE ARCHITECT AND THE AUTHORITY HAVING JURISDICTION, THREE (3) WORKING DAYS PRIOR TO MAKING PLUMBING SYSTEM TEST. LEAVE CONCEALED WORK UNCOVERED UNTIL THE REQUIRED TEST HAVE BEEN COMPLETED, BUT IF NECESSARY DUE TO CONSTRUCTION PROCEDURE, TEST ON PORTIONS OF THE WORK MAY BE MADE, AND WHEN SATISFACTORY, THE WORK MAY BE CONCEALED. TEST PIPING BEFORE INSULATION IS INSTALLED, AND BEFORE BACKFILL PIPES, JOINTS, FLANGES, VALVE STEMS, ETC. SHALL BE LEAK TIGHT. REPAIR OR REPLACE SYSTEM DEFECTS WITH NEW MATERIALS. CAULKING OF DEFECTIVE JOINTS, CRACKS OR HOLES WILL NOT BE PERMITTED. REPEAT EST AFTER DEFECTS HAVE BEEN ELIMINATED. MAKE TESTS IN THE PRESENCE OF THE ADMINISTRATIVE AUTHORITY AND/OR THE OWNER'S AUTHORIZED REPRESENTATIVE.

15C 1-5 GUARANTEE

THE WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLATION, AND CONNECTION OF PLUMBING SYSTEMS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS, BY SIGNING THE CONTRACT, THE CONTRACTOR ACKNOWLEDGES THAT HE HAS ACQUAINTED HIMSELF WITH THE SITE AND THE EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND THE DRAWINGS AND SPECIFICATIONS PERTAINING THERETO, AND HE INDICATES THAT HE WILL COMPLY WITH THE REQUIREMENTS AND IN FULL OF PERTINENT DOCUMENTS IN THE PERFORMANCE OF THE WORK.

GUARANTEE THAT THE PLUMBING INSTALLED UNDER THIS CONTRACT IS FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF JOB ACCEPTANCE BY THE OWNER. THIS SHALL INCLUDE A GUARANTEE OF FREE CIRCULATION OF LIQUIDS THROUGHOUT THE SYSTEM AS INTENDED WITHOUT LEAKS, EXCESSIVE NOISE, OR WATER HAMMER.

IF DEFECTS OCCUR DURING THE ONE YEAR GUARANTEE PERIOD, REPAIR OR REPLACE SUCH DEFECTS AT NO EXPENSE TO THE OWNER, AND TO THE SATISFACTION OF THE OWNER, ARCHITECT AND ENGINEER.

PROJECT:	
COMMERCIAL DISPENSERY FIT-OUT	
TRELIVE, ATTN. ROBERT JOYCE	
6667 S SEMORAN BLVD, UNIT 102	
ORLANDO, FL 32822	

PROJECT NUMBER:	24030
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CORE STATES GROUP

213 SE 34TH STREET
SUITE 2
BENTONVILLE, AR 72712
479.864.4800
WWW.CORE-STATES.COM

STAMP:



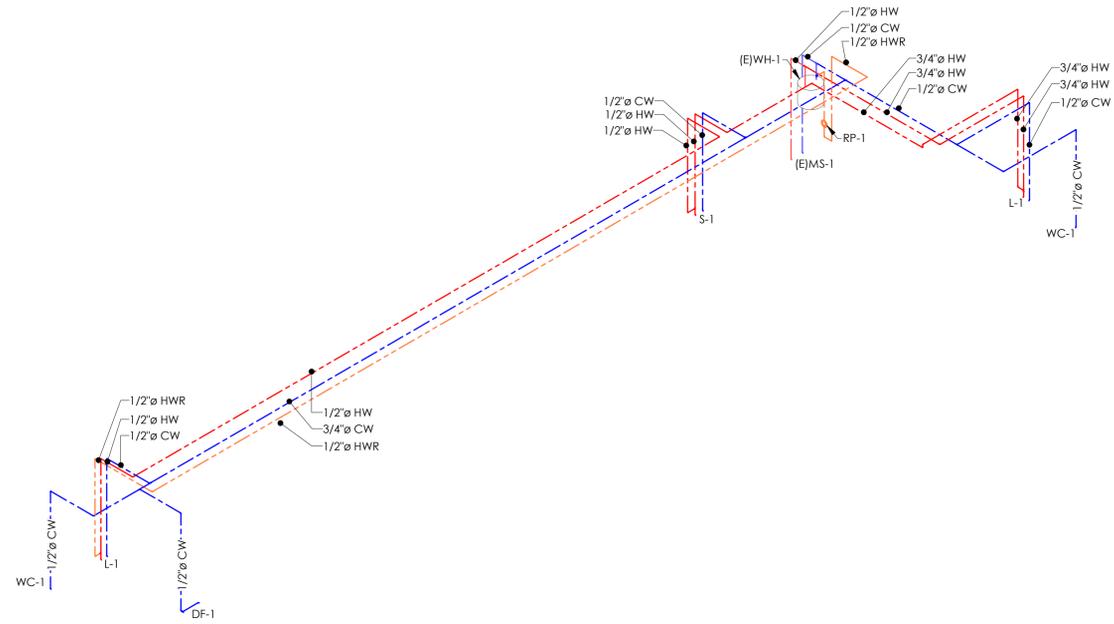
DESCRIPTION	DATE
PERMIT SET	04/11/2024

DRAWING SCALE:	AS NOTED
DRAWN BY:	CHECKED
JLK	BY: ZEA

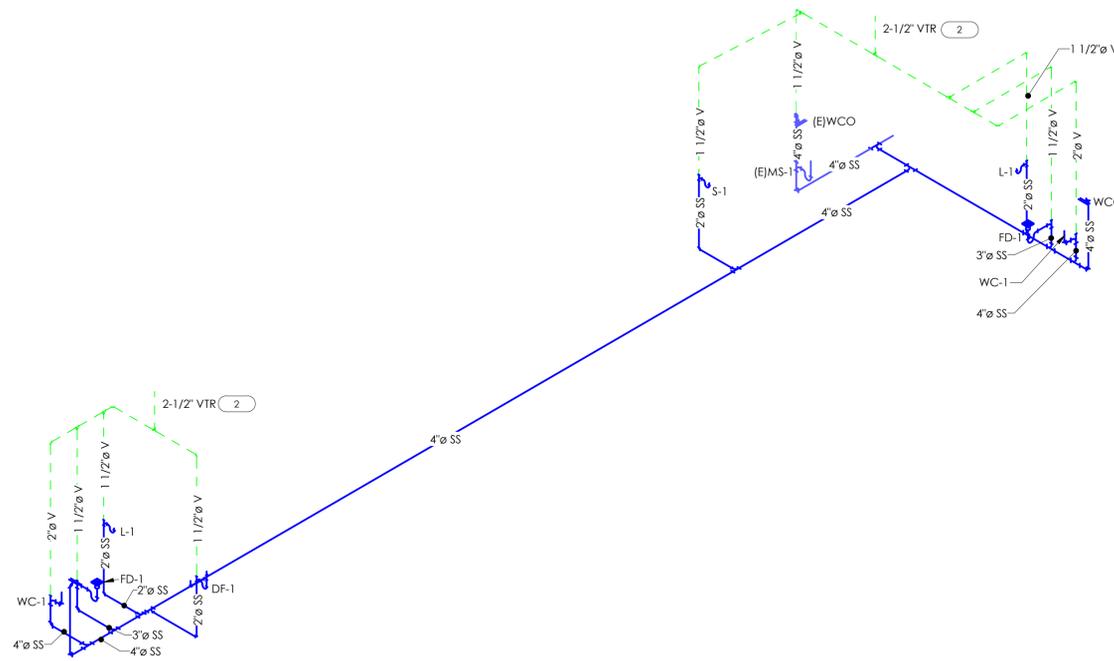
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MECH AND PLUMB
SPECIFICATIONS

DRAWING NUMBER:

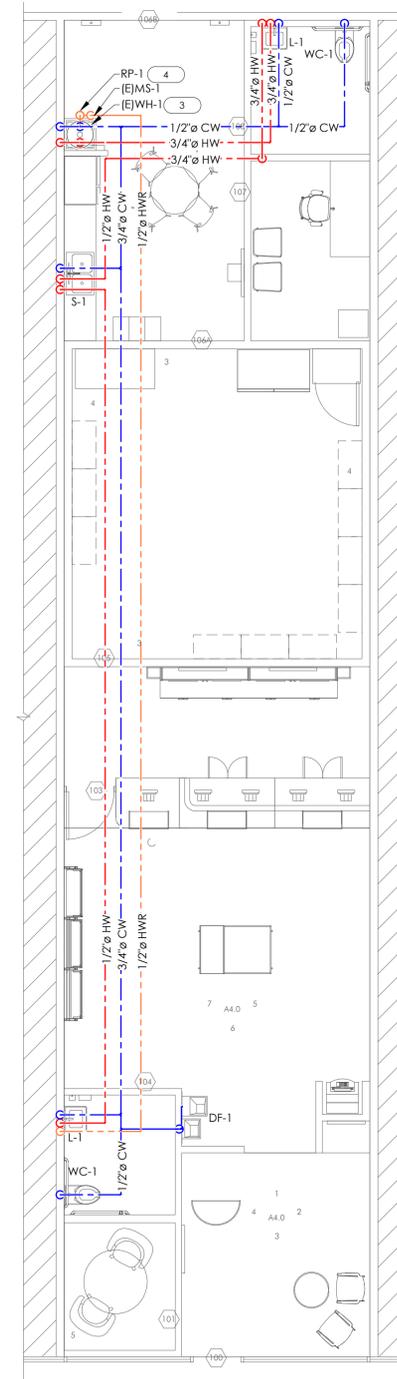
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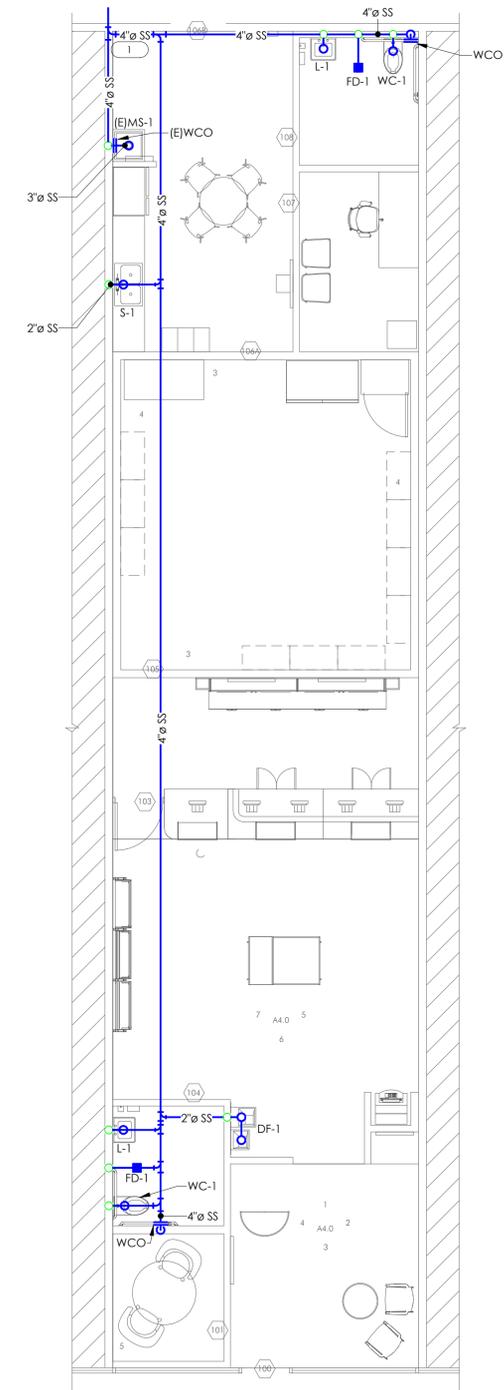
4 DOMESTIC WATER ISOMETRIC
SCALE:



3 WASTE & VENT ISOMETRIC
SCALE:



2 DOMESTIC WATER PLAN
SCALE: 3/16" = 1'-0"



1 WASTE & VENT PLAN
SCALE: 3/16" = 1'-0"

- KEYED NOTES**
- CONNECT NEW SANITARY LINE TO EXISTING SANITARY LINE OF EQUAL SIZE OR GREATER. FIELD VERIFY EXACT LOCATION, INVERT, AND DIRECTION FLOW. SLOPE NEW HORIZONTAL SANITARY PIPING AT 1/8" PER FOOT.
 - EXTEND NEW 2-1/2" VENT THROUGH ROOF UP PENETRATING THROUGH ROOF. ENSURE NEW VTR IS GREATER THAN 10' FROM NEAREST OUTDOOR AIR INTAKE. SEAL PENETRATION AS REQUIRED.
 - MAINTAIN EXISTING COLD WATER CONNECTION TO EXISTING MOP SINK AND WATER HEATER.
 - PROVIDE NEW RECIRCULATION PUMP (RP-1) IN LOCATION INDICATED ON PLANS. ROUTE HOT WATER LINE IN TRUE LOOP ENSURING THAT HOT WATER LOOP EXTEND NO GREATER THAN 2' TO EACH FIXTURE BEING PROVIDED HOT WATER.

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CORE STATES GROUP
212 SE 34TH STREET
SUITE 2
BENTONVILLE, AR 72712
479.864.4400
WWW.CORESTATES.COM



DESCRIPTION	DATE
PERMIT SET	04/11/2024

DRAWING SCALE: AS NOTED
DRAWN BY: JLK BY: ZEA

DRAWING TITLE: **PLUMBING & ISOMETRIC PLANS**

DRAWING NUMBER: **P1.0**

PROJECT:
 COMMERCIAL DISPENSERY
 FIT-OUT
 TRELIVE, ATTN. ROBERT JOYCE
 6667 S SEMORAN BLVD, UNIT 102
 ORLANDO, FL 32822

PROJECT NUMBER: 24030

COLWELL GROUP
 132 CENTRAL STREET, SUITE 203, FOXBOROUGH, MA 02035
 479.264.4400
 P. 508-241-1222, F. 508-455-4469, WWW.COLWELGROUP.COM

CORE STATES GROUP

212 SE 34TH STREET
 SUITE 2
 BENFONVILLE, AR 72712
 479.264.4400
 WWW.CORESTATES.COM

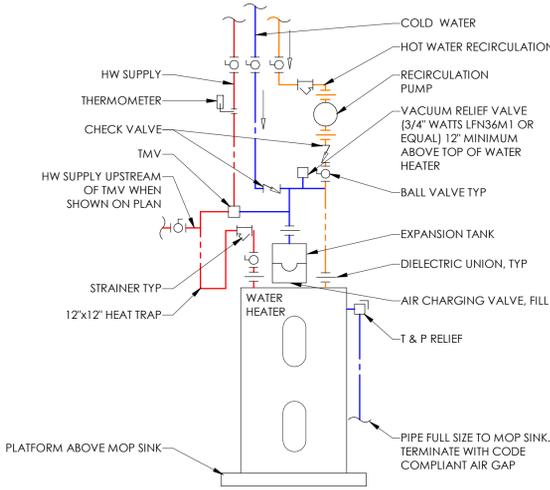


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PERMIT SET	04/11/2024

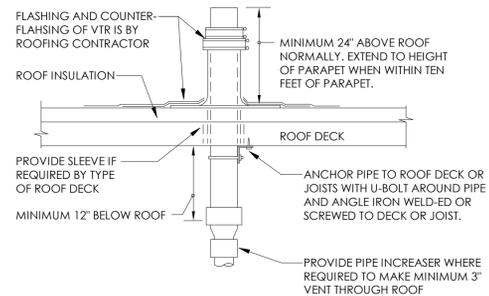
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DRAWING TITLE:
PLUMBING DETAILS

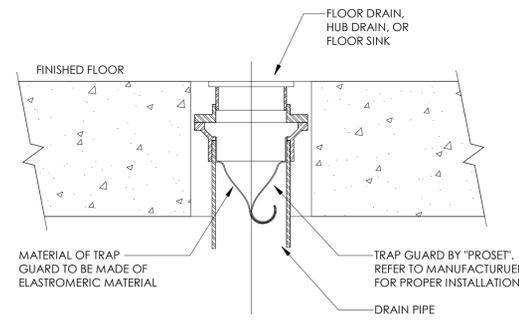
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P5.0



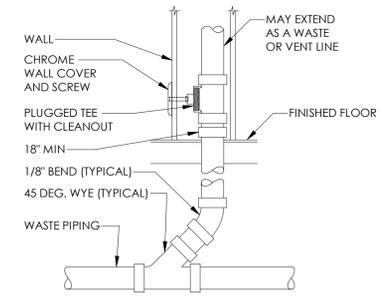
8 WATER HEATER DETAIL
 SCALE: N.T.S.



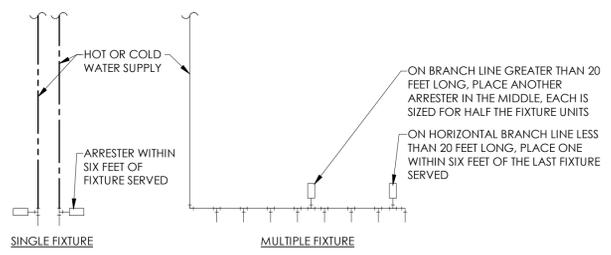
7 VENT THROUGH ROOF DETAIL
 SCALE: N.T.S.



6 TRAP GUARD DETAIL
 SCALE: N.T.S.



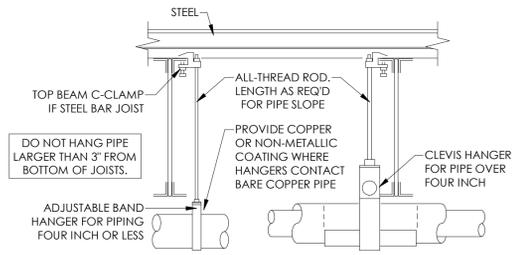
5 WALL CLEANOUT DETAIL
 SCALE: N.T.S.



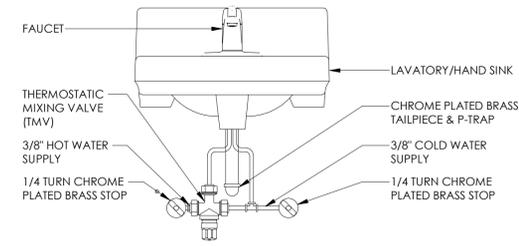
PDI SIZE	FIXTURE UNIT LOAD	FIXTURE	COLD	HOT
AA	1-3	VALVE WATER CLOSET	10	--
A	4-11	URINAL	5	--
B	12-32	LAVATORY	1.5	1.5
C	33-60	SINK	2	2
D	61-113	MOP BASIN	3	3
E	114-154	DRINKING FOUNTAIN	0.5	--

PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS, OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 OR ANSI #A112.26.1M CERTIFICATION. SIZE AND INSTALL PER PDI #WH-201 STANDARD OR MANUFACTURER'S INSTRUCTION. THE TABLES SHOWN ARE BASED ON THE SIOUX CHIEF PRODUCT LINE. IF PRESSURE IS IN EXCESS OF 65 PSIG THEN UPSIZE THE ARRESTER BY ONE (EXAMPLE: AN 'A' ARRESTER WOULD BECOME A 'B' ARRESTER.)

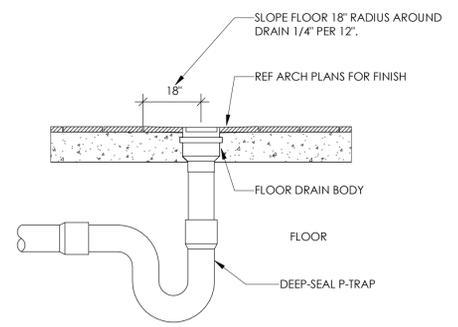
4 WATER HAMMER ARRESTOR DETAIL
 SCALE: N.T.S.



3 PIPE SUPPORT DETAIL
 SCALE: N.T.S.



2 LAVATORY WITH MIXING VALVE
 SCALE: N.T.S.



1 FLOOR DRAIN DETAIL
 SCALE: N.T.S.

PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE TYPE	MANUFACTURER	MODEL	DESCRIPTION	MINIMUM BRANCH SIZE				NOTES
					CW	HW	SAN.	VENT	
<u>WC-1</u>	ADA FLUSH VALVE WATER CLOSET	AMERICAN STANDARD	3351.538	WALL MOUNT ADA HEIGHT ELONGATED FLUSH VALVE WHITE VITREOUS CHINA WATER CLOSET. HIGH EFFICIENCY 1.28 GPF WITH EVERCLEAN SURFACE. PROVIDE WITH ELONGATED OPEN SEAT.	3/4	-	4"	2"	1-2
<u>L-1</u>	ADA LAVATORY SINK - WALL MOUNTED	KOHLER	K-2031	WALL MOUNT WHITE VITREOUS CHINA LAVATORY WITH SINGLE FAUCET HOLE. PROVIDE DELTA 567LF-SPPP CENTERSET FAUCET. INSULATE WASTE AND WATER SUPPLY PIPING WITH TRUEBRO PIPE INSULATION OR EQUAL.	1/2"	1/2"	2"	1-1/4"	1-4
<u>S-1</u>	KITCHEN SINK	KINDRED	QSL225 / 8-3	ZH-8824-LR STRAINER P-3904 AND ADJUSTABLE P-TRAP P4001 C/W AMERICAN STANDARD "MONTERREY" MODEL 6540.170 FAUCET WITH VANDAL-RESISTANT WRIST BLADE HANDLES.	1/2"	1/2"	2"	1-1/4"	2,3,4
<u>MS-1</u>	MOP SINK	FIAT PRODUCTS	MSB2424	"MOLDED-STONE" 24"x24" MOP SINK BASIN. PROVIDE WITH SERVICE FAUCET 830-AA WITH INTEGRAL VACUUM BREAKER, MOP HANGER, STAINLESS STEEL STRAINER, STAINLESS STEEL BUMPGUARD, AND STAINLESS STEEL WALL GUARD.	3/4"	3/4"	3"	1-1/2"	
<u>DF-1</u>	DRINKING FOUNTAIN	ELKAY	EZSTL8LC	WALL MOUNTED BI-LEVEL ADA COOLER, NON FILTERED AND REFRIGERATED IN LIGHT GRAY GRANITE.	1/2"	-	2"	1-1/2"	

GENERAL NOTES (APPLIES TO ALL FIXTURES):

A. CONTRACTOR TO PROVIDE SCHEDULED PLUMBING FIXTURES OR OWNER APPROVED EQUAL.

NOTES:

- PLUMBING FIXTURES TO BE WHITE IN FINISH.
- PROVIDE WITH SHUT-OFF VALVES, STAINLESS STEEL P-TRAP AND STAINLESS STEEL FLEXIBLE RISERS.
- PROVIDE WITH MOUNTING HARDWARE, AND P-TRAP.
- PROVIDE WITH THERMOSTATIC MIXING VALVE (TMV), SET DISCHARGE TO 105°F.

SPECIALTY PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE TYPE	MANUFACTURER	MODEL	DESCRIPTION	NOTES
<u>FD-1</u>	FLOOR DRAIN	ZURN	Z415B	ROUND FLOOR DRAIN WITH TYPE "B" ADJUSTABLE STRAINER TOP WITH SQUARE HEEL PROOF OPENINGS AND SECURED GRATE. DURA-COATED CAST IRON BODY WITH DEEP SEAL P-TRAP WITH TRAP GUARD SIMILAR TO MIFAB MI-GUARD.	2
<u>FCO</u>	FLOOR CLEANOUT	ZURN	Z1400	ROUND ADJUSTABLE FLOOR CLEANOUT WITH DURA-COATED CAST IRON BODY AND NICKEL BRONZE TOP.	2
<u>GCO</u>	GRADE CLEANOUT	ZURN	Z1474	ROUND HEAVY-DUTY CLEANOUT HOUSING WITH DURA-COATED CAST IRON WITH INTEGRAL ANCHOR FLANGE. SECURED SCORAIATED COVER WITH LIFTING DEVICE AND INTERNAL Z1440 CLEANOUT.	2
<u>WCO</u>	WALL CLEANOUT	ZURN	Z1441	ROUND WALL CLEANOUT WITH DURA-COATED CAST IRON BODY AND SMOOTH STAINLESS STEEL ACCESS COVER WITH SECURING SCREW.	2
<u>RPZ</u>	REDUCED PRESSURE BACKFLOW PREVENTER	ZURN	975XL2	LEAD FREE REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER. PROVIDE WITH FULL PORT QT VALVES, AIR GAP, LEAD FREE STRAINER, AND TEST PORTS.	2
<u>TMV</u>	THERMOSTATIC MIXING VALVE	ZURN	ZW1070XL	LEAD FREE POINT OF USE THERMOSTATIC MIXING VALVE. ASSE 1070 COMPLIANT. SET SUPPLY OUTLET TEMPERATURE TO 105°F.	2
<u>WHA</u>	WATER HAMMER ARRESTOR	WATTS	LF15M2	LEAD FREE PISTON TYPE WATER HAMMER ARRESTOR. SIZE AND INSTALL PER MANUFACTURERS REQUIREMENTS.	1

GENERAL INFORMATION (APPLIES TO ALL FIXTURES):

A. SCHEDULE IS COMPREHENSIVE. ALL MARKS MAY NOT BE USED IN PLAN.

B. CONTRACTOR SHALL PROVIDE SCHEDULED UNITS OR APPROVED EQUAL.

NOTES:

- SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- FIXTURE SIZE SHALL EQUAL PIPE BEING SERVED

RECIRCULATION PUMP SCHEDULE						
MARK	MANUFACTURER	MODEL	GPM	HEAD (FT.)	WATTS	NOTES
<u>RP-1</u>	BELL & GOSSETT	NBF-22	7.5	10	98	1,2

GENERAL INFORMATION (APPLIES TO ALL):

A. CONTRACTOR SHALL PROVIDE SCHEDULED UNITS OR APPROVED EQUAL.

NOTES:

- PROVIDE WITH CORD AND PLUG.
- PROVIDE WITH TIMECLOCK. PROGRAM CLOCK TO OPERATE DURING OCCUPIED HOURS.

PLUMBING LEGEND		
	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
	G	GAS
	SS	SANITARY SEWER
	GW	GREASE WASTE
	V	SANITARY VENT
	ST	STORM SEWER
		RUN-OUT OFF TOP
		RUN-OUT OFF BOTTOM
		PIPE UP
		PIPE DOWN
		CAP ON END OF PIPE
		CONTINUATION
	CO/WCO	CLEANOUT/WALL CLEANOUT
	FCO	FLOOR CLEANOUT
	FPWH	FREEZE PROOF WALL HYDRANT
		POINT OF CONNECTION
		BALL VALVE
	PRV	PRESSURE REDUCING VALVE
	FS	FLOOR SINK
	FD	FLOOR DRAIN

GENERAL PLUMBING NOTES	
A.	ALL PLUMBING WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY LOCAL AUTHORITIES.
B.	CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY MEP PERMITS AND CERTIFICATES OF INSPECTION REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION, LAWS, RULES, AND/OR REGULATIONS.
C.	TEST ALL LINES, SYSTEMS, AND EQUIPMENT BEFORE THEY ARE INSULATED, PAINTED, OR CONCEALED BY CONSTRUCTION OR BACKFILLING. PROVIDE FUEL, WATER, ELECTRICITY, MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR TESTS. REPAIR OR REPLACE DEFECTS, LEAKS, AND MATERIAL FAILURES REVEALED BY TESTS AND THEN RETEST UNTIL SATISFACTORY. MAKE REPAIRS WITH NEW MATERIALS.
D.	PROVIDE NECESSARY MATERIALS AND ACCESSORIES FOR INSTALLATION OF FIXTURES, EQUIPMENT, ETC AS REQUIRED FOR COMPLETE AND FUNCTIONAL OPERATION AS NOTED ON DRAWINGS OR IN NOTES.
E.	ACCESS PANELS SHALL BE PROVIDED WHEREVER NECESSARY TO PROVIDE ACCESS TO VALVES, JUNCTION BOXES, ETC LOCATED IN CONCEALED SPACES.
F.	ALL EQUIPMENT, FIXTURES, MATERIALS, ETC SHALL BE INSTALLED IN NEAT/PROFESSIONAL MANNER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
G.	CONTRACTOR SHALL CONTACT OWNER AND COORDINATE ALL OUTAGES 5 DAYS PRIOR TO ANY SHUT-OFF OF SERVICES.
H.	PROVIDE ALL FIRE RATED MATERIAL FOR PATCH AND REPAIR OF ALL FIRE RATED ASSEMBLIES AS REQUIRED. ALL OPENINGS SHALL BE SEALED AND CLOSED IN AN APPROVED MANNER. PROVIDE SLEEVE WHERE NEEDED DUE TO SCOPE OF WORK.
I.	EXISTING CONDITIONS ON THIS SET OF BID DOCUMENTS WERE TAKEN FROM EXISTING DRAWINGS, LIMITED SITE VISITS, AND/OR VISUAL OBSERVATIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CHANGE ORDERS WILL NOT BE PAID DUE TO UNANTICIPATED CONDITIONS TO MEET INTENT OF WORK.
J.	CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
K.	DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPING, CONNECTIONS, FITTINGS, VALVES, OFFSETS, AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
L.	CONTRACTOR SHALL CONTACT LOCAL AUTHORITIES AND ARRANGE FOR SEWER SERVICES AS INDICATED ON DRAWINGS. INCLUDE ALL COSTS, CHARGES, FEES, ETC INCURRED BY LOCAL AUTHORITIES INTO BID. PROVIDE ALL MATERIALS AS REQUIRED BY LOCAL AUTHORITIES FOR SEWER SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL AUTHORITIES. (THIS NOTE DOES NOT APPLY IF PROJECT IS UTILIZING A PROPANE TANK).
M.	CONTRACTOR SHALL CONTACT THE LOCAL GAS COMPANY AND ARRANGE FOR GAS SERVICE AS INDICATED ON DRAWINGS. INCLUDE ALL COSTS, CHARGES, FEES, ETC INCURRED BY UTILITY COMPANY INTO BID. PROVIDE ALL MATERIALS AS REQUIRED BY LOCAL AUTHORITIES FOR GAS SERVICE INSTALLATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL AUTHORITIES. (THIS NOTE DOES NOT APPLY IF PROJECT IS UTILIZING A PROPANE TANK).
N.	CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE AT BUILDING ENTRY PRIOR TO ALL LOCALLY REQUIRED DEVICES IS LESS THAN 60 PSIG STATIC, CONTACT OWNER'S REPRESENTATIVE. IF PRESSURE EXCEEDS 80 PSIG, PROVIDE PRESSURE REDUCING VALVE.

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DESCRIPTION	DATE
PERMIT SET	04/11/2024

DRAWING SCALE:	AS NOTED
DRAWN BY:	CHECKED BY: ZEA
	JLK

DRAWING TITLE:	PLUMBING SCHEDULES, LEGEND AND NOTES
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DRAWING NUMBER:	P6.0
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