

McDonald's USA, LLC

INTERIOR RENOVATION CONSTRUCTION DOCUMENTS FOR

205 BUSINESS LOOP COLUMBIA, MO 65201

DESIGN CODES:

INTERNATIONAL EXISTING BUILDING CODE WITH LOCAL AMENDMENT LEVEL 2 ALTERATION OF XX% OF BUILDING

2018 INTERNATIONAL FIRE CODE

INTERNATIONAL PLUMBING CODE

2018 INTERNATIONAL ENERGY CONSERVATION CODE

INTERNATIONAL MECHANICAL CODE

INTERNATIONAL FUEL GAS CODE

INTERNATIONAL PROPERTY MAINTENANCE CODE

NATIONAL ELECTRIC CODE

ICC/ANSI A117.1 2009 ACCESSIBLE AND USABLE BUILDING AND FACILITIES

Carpet One Floor & Home

State Beauty Supply Central Missouri

PROJECT INFORMATION:

SITE NAME: COLUMBIA-HWY 70 2022 EOTF BACKCAST + 10Yr REMODEL NASHVILLE REGION

ADDRESS:

STREET ADDRESS: 205 BUSINESS LOOP

COLUMBIA STATE:

STATE SITE CODE: 024-0003 NATIONAL STORE NO .:

APPLICANT

21 B STREET

BURLINGTON, MA 01803

PHONE: 707-328-3731

EBI CONSULTING - PAUL ROBERTS 21 B STREET

EBI ENGINEERING. P.C. - JOSHUA CARRELL

BURLINGTON, MA 01803 PHONE: 813-955-2859 EMAIL: PROBERTS@EBICONSULTING.COM ENGINEER OF RECORD (PLUMBING)

EBI ENGINEERING - MALLORY ANDERSON, P.E. 21 B STREET

BURLINGTON, MA 01803 TEL: 502-693-4162 MANDERSON@EBICONSULTING.COM

ENGINEER OF RECORD (ELECTRICAL)

MIKE McGUIRE, P.E. PMP 1042 HURRICANE HILL ROAD MASON, NH 03048 TEL: 713-594-8048

mike@h2dc.com

SCOPE OF WORK:

EMAIL: JWCARRELL@EBIENGINEERING.COM

ARCHITECT OF RECORD

THIS PROJECT CONSISTS OF INTERIOR IMPROVEMENTS. THE SCOPE OF WORK INCLUDES THE FOLLOWING:

NEW SEATING LAYOUT WITH NEW FINISHES, NEW LIGHTING AND NEW CEILINGS.

NEW CUSTOMER SERVICE COUNTER AND SERVICE AREA MODIFICATIONS.

NEW RESTROOM PLUMBING FIXTURES WITH NEW FINISHES, NEW LIGHTING AND CEILING MODIFICATIONS.

4. MINOR RESTROOM MODIFICATIONS FOR HANDICAP ACCESSIBILITY COMPLIANCE.

BUILDING DATA:

OCCUPANCY CLASSIFICATION: CONSTRUCTION CLASSIFICATION: MINIMUM NUMBER OF EXITS REQUIRED:

MINIMUM EXIT WIDTH PROVIDED: FIRE PROTECTION:

EXISTING BUILDING ROOF HEIGHT:

A-2 ASSEMBLY (RESTAURANT)

TYPE VB 2 (PROVIDED: 5)

NON-SPRINKLERED (MAXIMUM TRAVEL DISTANCE = 200') 15' - 0"

TOTAL GROSS BUILDING AREA: 4,180 SQ. FT

OCCUPANT LOAD CALCULATIONS FOR PROPOSED CONDITIONS:

AREA TYPE	AREA SIZE	OCCUPANT LOAD CRITERIA	PROPOSED OCCUPANTS	EXISTING OCCUPANTS
DINING	1,318 SQ. FT	NO. OF SEATS	68 (INCLUDING 4 ACCESSIBLE)	76
CUSTOMER WAITING	48 SQ. FT	1 PERSON/5 SQ. FT	10	10
KITCHEN	1,086 SQ. FT	1 PERSON/200 SQ. FT	6	6
ANCILLIARY STORAGE	728 SQ. FT	1 PERSON/300 SQ. FT	3	3
BREAK ROOM	123 SQ. FT	1 PERSON/100 SQ. FT	2	2
OFFICE	64 SQ. FT	1 PERSON/100 SQ. FT	1	1
TOTAL	3,367 SQ. FT		90	98

HANDICAP ACCESSIBILITY STANDARDS ARCHITECTURAL

CV

G1.0

D1.1

A1.0 FLOOR PLAN REFLECTED CEILING PLAN - PROPOSED A1.1

REFLECTED CEILING PLAN-DEMOLITION

GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

TITLE AND INFORMATION SHEET

DEMOLITION FLOOR PLAN

ENLARGED RESTROOM PLANS AND ACCESSORY ELEVATIONS A1.2 RESTROOM DETAILS AND SCHEDULES A1.3 SERVICE AREA MODERNIZATION, MISC. PARTIAL PLANS AND DETAILS A4.1

SERVICE AREA MODERNIZATION, MISC. ELEVATIONS, AND DETAILS SERVICE AREA MODERNIZATION DETAILS AND MISC. DETAILS A4.3

KIOSK SLIP SHEET A4.4 DUAL POINT SLIP SHEET

DRAWING INDEX

PLUMBING

P0.0 PLUMBING SPECIFICATIONS, SYMBOLS, & GENERAL NOTES P1.0 PLUMBING FLOOR PLANS, DETAILS, & PIPING SCHEMATICS

ELECTRICAL

ELECTRICAL SYMBOLS. ABBREVIATIONS. DRAWING INDEX. GENERAL NOTES & E1.0 SPECIFICATIONS

E2.0 ELECTRICAL LIGHTING PLAN E3.0 ELECTRICAL POWER PLAN

INTERIOR DECOR DRAWINGS (FOR REFERENCE ONLY)

DECOR DRAWINGS ARE PREPARED BY A SEPARATE VENDOR ENGAGED DIRECTLY BY McDONALD'S

COVER SHEET 1 - 1

1-1aREQUIREMENTS 1-1bFIELD DIMENSION COORDINATION PLAN

1-2FLOOR PLAN 1-2b3D VIEW

FINISH PLAN REFLECTED CEILING PLAN

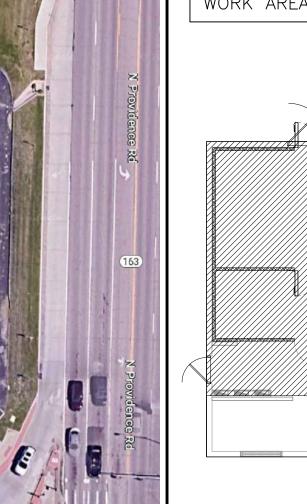
1 - 5**ELEVATIONS**

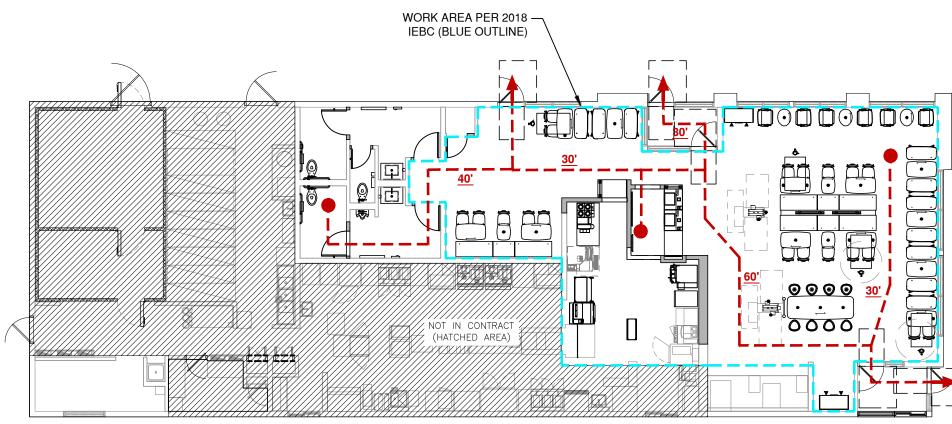
1-5a ELEVATIONS ELEVATIONS & TYPICAL ELEVATIONS

DETAILS 1 - 7GRAPHICS EIS SPECIFICATIONS

1-8a GC SPECIFICATIONS 1 - 9GC SPECIFICATIONS

TOTAL AREA OF BUILDING IS 4,180 SF. WORK AREA PERCENTAGE IS 39.2%





NORTH EGRESS PLAN/FURNITURE LAYOUT NOT TO SCALE

Consulting

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NUMBER

A-2018040323

03/09/2023

JOSHUA CARRELL

ENSE NO: **A-2018040323**

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Donald's

VICINITY MAP NOT TO SCALE

NORTH

Doc & Norm Direct

AERIAL VIEW

NORTH

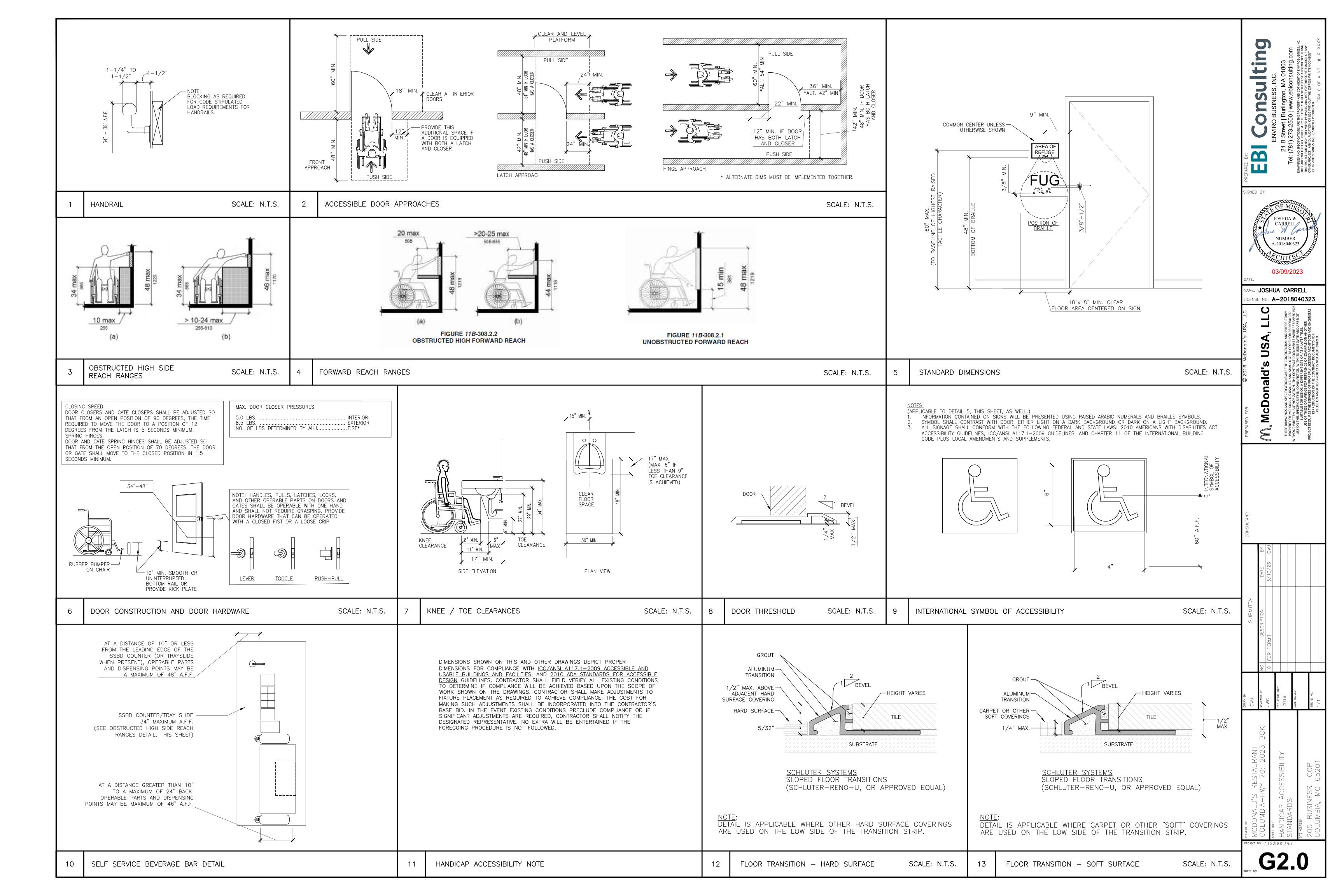


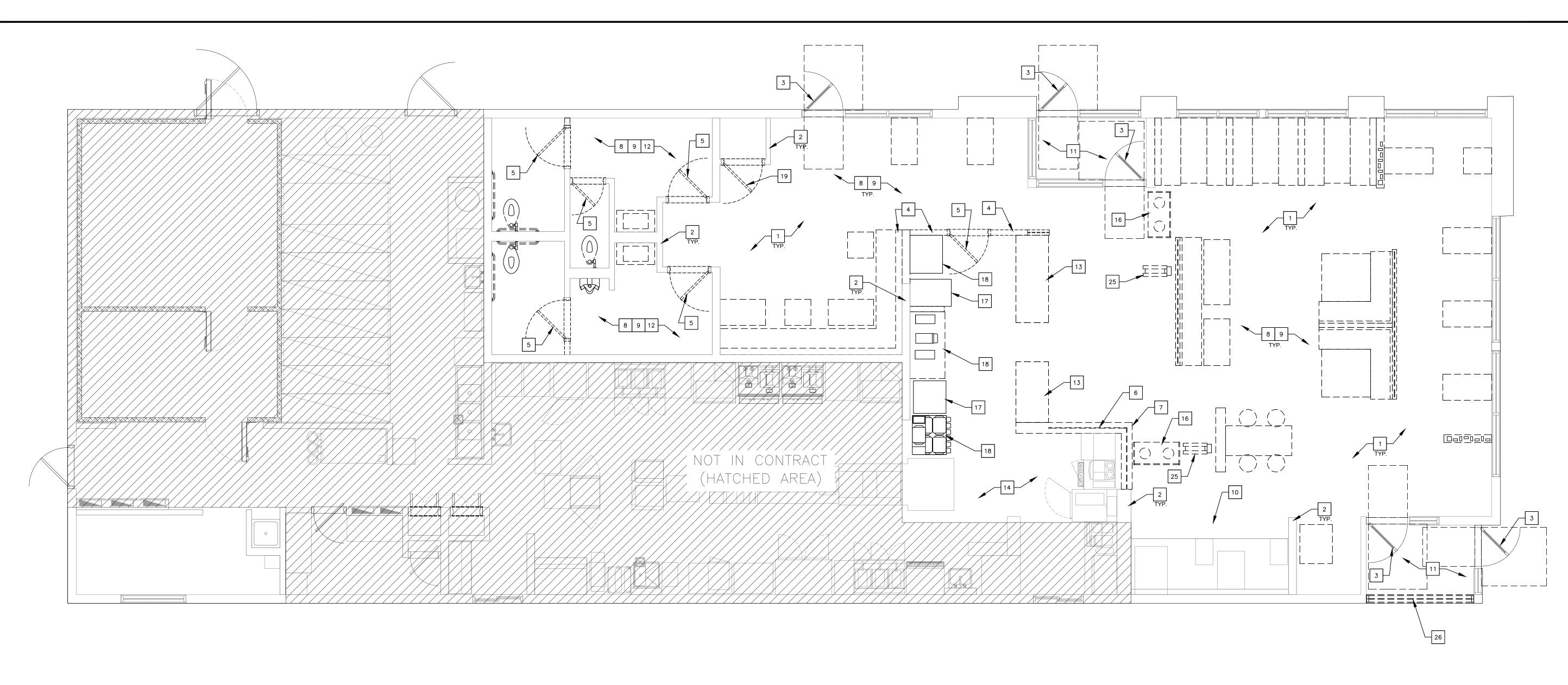
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NUMBER

A-2018040323

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DEMOLITION FLOOR PLAN

| D1.0 | SCALE: 1/4" = 1'-0"

DEMOLITION NOTES

- 1. GENERAL CONTRACTOR (G.C.) AND HIS SUB-CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATORY AGENCIES AND THEIR CODES AND REGULATIONS FOR NEW CONSTRUCTION AND
- 2. REFER TO GENERAL NOTE 18, DWG G1.0 FOR REQUIREMENTS PERTAINING TO DISCOVERY OF HAZARDOUS MATERIALS.
- 3. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE DESIGNATED REPRESENTATIVE FOR CLARIFICATION AND AMENDMENT AS REQUIRED. COORDINATE LOCATION AND SIZE OF ALL REQUIRED OPENINGS IN EXISTING FLOOR WITH ARCHITECTURAL FLOOR PLAN AND WITH PLUMBING AND ELECTRICAL DRAWINGS.
- 4. COORDINATE PHASING OF ALL DEMOLITION WORK WITH MCDONALD'S REPRESENTATIVE AND WITH STORE REPRESENTATIVE. CONTRACTORS STORAGE AND STAGING AREAS ON SITE SHALL BE AS APPROVED BY THE MCDONALD'S AND FRANCHISE REPRESENTATIVES.
- 5. REMOVE ALL ITEMS AS INDICATED ON PLANS. SEE SYMBOLS/LEGEND ON DRAWING G1.0. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
- 6. DEMOLITION DRAWINGS SHOW THE GENERAL SCOPE OF DEMOLITION AND SHALL NOT BE LIMITED TO THE CONTENTS OF THE DEMOLITION DRAWINGS. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION TO ASCERTAIN ALL WORK REQUIRED TO FACILITATE THE NEW CONSTRUCTION AS DESCRIBED HEREIN.
- 7. WALLS OF THIS BUILDING MAY SUPPORT PORTIONS OF THE EXISTING FLOOR OR ROOF FRAMING. G.C. SHALL COORDINATE REMOVALS OF SELECTED PORTIONS OF SUCH WALLS FOR THE PURPOSE OF CREATING NEW MASONRY OPENINGS WITH RELATED TRADES.
- 8. PRIOR TO REMOVAL OR CUTTING OF OPENINGS THROUGH STRUCTURAL WALLS AND SLABS, CONTRACTOR SHALL PROVIDE ADEQUATE SHORING FOR STRUCTURAL LOADS. SUPPORTS SHALL NOT BE REMOVED UNTIL NEW STRUCTURAL SYSTEM IS IN PLACE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE OR ALTER ANY EXISTING STRUCTURAL MEMBERS. THE ARCHITECT AND OWNER SHALL BE NOTIFIED IMMEDIATELY IF ANY DAMAGE OCCURS
- OR IS DISCLOSED DURING DEMOLITION.

 9. DO NOT REMOVE ITEMS SUPPORTING OTHER MEMBERS WITHOUT PROVIDING TEMPORARY OR PERMANENT BRACING
- AS REQUIRED.

 10. ADEQUATELY PROTECT AND SECURE ALL PENETRATIONS AND OPENINGS IN THE EXTERIOR BUILDING ENVELOPE,

 DUE TO REMOVAL AND/OR CONSTRUCTION FROM ALL MANNER OF FOUL WEATHER AND UNIMPEDED PERSONAL
- 11. ALL ABANDONED UTILITY LINES ARE TO BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL BACK TO ITS SOURCE. (INCLUDING ALL HANGARS, STRAPS, WIRES, ETC.) OF ANY ELECTRICAL, PLUMBING, GAS LINES, AND MECHANICAL DUCTWORK THAT ARE DISCOVERED AND NOT SCHEDULED FOR REUSE. GC IS RESPONSIBLE FOR REROUTING AND CONTINUATION OF ANY SYSTEM THAT MUST BE RETAINED FOR ADJACENT BUILDING AREAS THAT ARE NOT INCLUDED IN THIS CONTRACT. SEE PLUMBING AND ELECTRICAL DEMO DRAWINGS FOR ADDITIONAL INFORMATION. WHEN ITEMS ARE SHOWN AS DEMOLISHED ALL ASSOCIATED ABANDONED CONDUIT, WIRE HANGERS, STRAPS, AND SUPPORTS MUST ALSO BE REMOVED. GC IS TO REMOVE ANY EXISTING ABANDONED HANGARS, CONDUIT, DUCTWORK, ETC. FOUND ABOVE THE CEILING.
- 12. FLUORESCENT LAMPS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL CODES AND GUIDELINES PRIOR TO THE COMMENCEMENT OF CEILING ASSEMBLY REMOVAL. CARE SHALL BE TAKEN IN THE HANDLING AND DISPOSAL OF ALL LAMPS. IF LAMPS ARE BROKEN, PROPERLY CLEAN UP HAZARDOUS MATERIAL IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL CODES AND GUIDELINES.

- 13 PROVIDE WRITTEN NEW SEQUENCE OF OPERATIONS FOR REMOVAL WORK TO DESIGNATED REPRESENTATIVES FOR REVIEW PRIOR TO START OF WORK. INCLUDE COORDINATION FOR SHUT—OFF, CAPPING AND CONTINUATION OF UTILITY SERVICES AS REQUIRED, TOGETHER WITH DETAILS FOR DUST AND NOISE CONTROL PROTECTION, TO ENSURE UNINTERRUPTED CONTINUITY OF ON—GOING OCCUPANT ACTIVITIES.
- 14. PORTIONS OF THE BUILDING (FIRST FLOOR) IMMEDIATELY ADJACENT TO AREAS OF REMOVAL WILL REMAIN OCCUPIED. CONDUCT REMOVAL WORK IN A MANNER THAT WILL MINIMIZE NEED FOR DISRUPTION TO THE OCCUPANTS NORMAL OPERATIONS. PROVIDE MINIMUM OF 72 HOURS WRITTEN ADVANCE NOTICE TO THE DESIGNATED REPRESENTATIVES OF REMOVAL ACTIVITIES THAT WILL AFFECT OPERATIONS AND ONE WEEK WRITTEN ADVANCE NOTICE TO DESIGNATED REPRESENTATIVES FOR ANY REQUIRED SHUTDOWNS OF BASE BUILDING PLUMBING, MECHANICAL, ELECTRICAL, OR OTHER CRITICAL SYSTEMS. OWNER AND DESIGNATED REPRESENTATIVE DO NOT ASSUME RESPONSIBILITY FOR ACTUAL CONDITION OF COMPONENTS OR STRUCTURE TO BE REMOVED.
- 15. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO GOVERNING AUTHORITIES.
- 16. GC IS TO PROVIDE TEMPORARY DUST—PROOF PARTITIONS AND BARRIERS TO PROTECT THE PUBLIC AND OTHER OCCUPIED AREAS OF THE BUILDING FROM ANY POTENTIAL CONSTRUCTION HAZARDS OR CONTAMINATION. BARRIERS ARE TO BE METAL FRAME CONSTRUCTION WITH A PAINTED PLYWOOD FACE AND PLASTIC SHEETING. SEE DETAIL 6, DRAWING A4.3 FOR TEMPORARY PARTITION.
- 17. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR WASTE DISPOSAL AND COORDINATE THESE ARRANGEMENTS WITH THE FRANCHISE REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING FROM THE SITE, ALL RUBBLE AND DEBRIS CAUSED BY DEMOLITION, AND DISPOSING OF IT IN A PROPER MANNER OFF PROPERTY.
- 18. GC SHALL PROTECT ALL ITEMS SHOWN TO REMAIN AND REPLACE AND/OR REPAIR ANY DAMAGED ITEMS OR CONSTRUCTION.
- 19. THE GC SHALL COORDINATE THE DISPOSITION OF ALL EXISTING EQUIPMENT AND FIXTURES TO BE REMOVED WITH THE FRANCHISE REPRESENTATIVE BEFORE DISCARDING. ALL ITEMS LISTED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND PROPERLY
- 20. WHERE WALLS, PARTITIONS, FLOORING, ACCESSORIES OR OTHER TYPES OF CONSTRUCTION ARE REMOVED, PATCH AND REPAIR ADJACENT AREAS AS REQUIRED TO RECEIVE NEW CONSTRUCTION OR FINISHES OR TO MATCH ADJACENT SURFACES. GC TO MAINTAIN ALL EXISTING AND REQUIRED FIRE RATED CONSTRUCTION THROUGHOUT TENANT'S SPACE.
- 21. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGNATED REPRESENTATIVE OF THE DISCOVERY OF ANY STRUCTURAL OR OTHER SIGNIFICANT BUILDING ELEMENTS PREVIOUSLY CONCEALED WITHIN EXISTING CONSTRUCTION THAT IS BEING REMOVED.

KEY NOTES

- 1 EXISTING SEATING TO BE REMOVED, TYPICAL.
- 2 EXISTING WALLS TO REMAIN, U.O.N.
- 3 EXISTING DOORS TO REMAIN, U.O.N.
- 4 EXISTING NON-BEARING WALL TO BE REMOVED.
- 5 EXISTING DOOR AND FRAME TO BE REMOVED.
- EXISTING McCAFE DECORATIVE GLAZING TO BE REMOVED. COORDINATE WITH INTERIOR DECOR DRAWINGS.
- 7 EXISTING LOW WALL AT McCAFE TO BE REMOVED. PREP WALL TO RECEIVE NEW FINISH.
- 8 EXISTING FINISH FLOORING AND WALL BASE TO BE REMOVED TO EXISTING SUBFLOOR AND WALL SUBSTRATE. PREP SUBFLOOR AND WALL AS REQUIRED TO RECEIVE NEW FLOORING AND WALL FINISHES PER INTERIOR DECOR DRAWINGS.
- 9 EXISTING WALL TILE TO BE REMOVED TO EXISTING SUBSTRATE.
 PREP EXISTING WALL SURFACE AS REQUIRED TO RECEIVE NEW
 WALL FINISHES PER INTERIOR DECOR DRAWINGS.
- COUNTERTOP TO BE REMOVED FROM EXISTING BEVERAGE
 BAR. EXISTING BEVERAGE BAR TO BE PREPPED TO RECEIVE
 NEW FACE LAMINATE.
- DEMO ALL FINISHES AT VESTIBULE AND PREP FOR NEW FINISHES.

 REFER TO DECOR DRAWINGS FOR NEW FINISHES.
- REMOVE ALL EXISTING PLUMBING FIXTURES AND ACCESSORIES THROUGHOUT TOILET ROOMS. REFER TO A1.2 FOR ADDITIONAL
- 13 REMOVE EXISTING SERVICE COUNTER.

INFORMATION.

EXISTING FLOOR AND BASE TO REMAIN. IF DAMAGED, GC TO REPAIR OR REPLACE.

- CREW ROOM FURNITURE AND EQUIPMENT REMOVALS TO BE COORDINATED WITH INTERIOR DECOR DRAWINGS AND OWNER/OPERATOR. (NOT USED)
- EXISTING TRASH RECEPTACLE TO BE REMOVED AND REPLACED SEE INTERIOR DECOR DRAWINGS.
- 17 EXISTING KITCHEN EQUIPMENT TO BE RELOCATED.
- 18 EXISTING EQUIPMENT TO BE REMOVED.
- 19 EXISTING DOOR TO BE REMOVED. EXISTING FRAME TO REMAIN.
- EXISTING RECESSED MOUNTED BABY CHANGING TABLE TO BE REMOVED. (NOT USED)
- 21 EXISTING SURFACE MOUNTED BABY CHANGING TABLE TO BE REMOVED. (NOT USED)
- 22 EXISTING COLUMN TO REMAIN. (NOT USED)
- 23 EXISTING ANSUL PULL TO BE RELOCATED. (NOT USED)
- REMOVE EXISTING BEVERAGE BAR. MAKE SAFE ALL EXISTING PLUMBING.
- 25 EXISTING KIOSK TO BE RELOCATED.
- EXISTING WINDOW AND GLAZING TO BE REMOVED FOR PROPOSED 3rd DRIVE—THRU SYSTEM.

Donald's USA, LLC AND PROPRIETARY

NONALD'S USA, LLC AND SHALL NOT BE CONFIDENTIAL AND PROPRIETARY

O3/03/03/2053

E.:

WE: PORMING'S FOR REFRENCE OR REPRODUCED

UTHORIZATION, THE CONTRACT DOCUMENT'S WERE PREPARED FOR

E.E NO: WITH ON A DIFFERENT SITE OR CANDUMCTION WITH ITS ISSUE DATE AND ARE NOT

E.E DRAWING'S FOR REFRENCE OR EXAMPLE ON ANOTHER

HE SERVICES OF PROPRETY LICES AND ENGINEERS.

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SHET TITLE

COLUMBIA—HWY 7

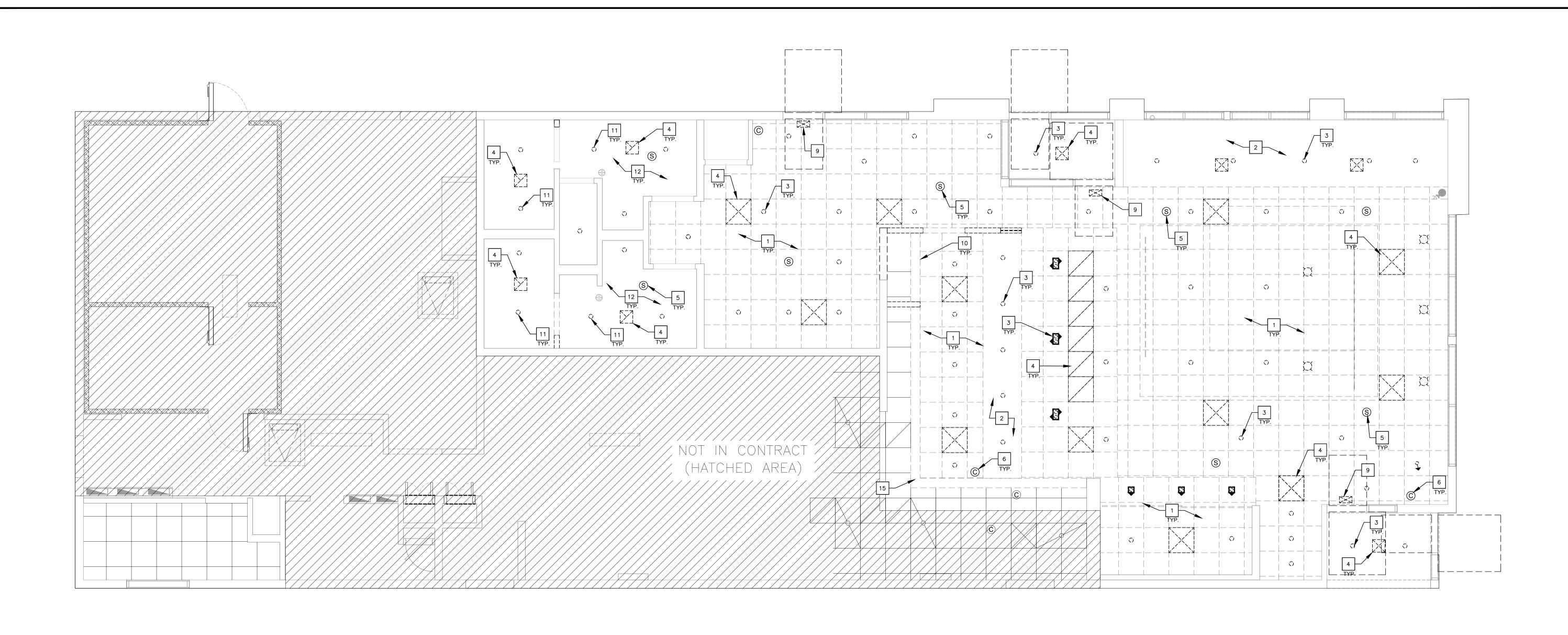
SHET TITLE

DEMOLITION FLOOF

SITE ADDRESS

205 BUSINESS LC

D1.



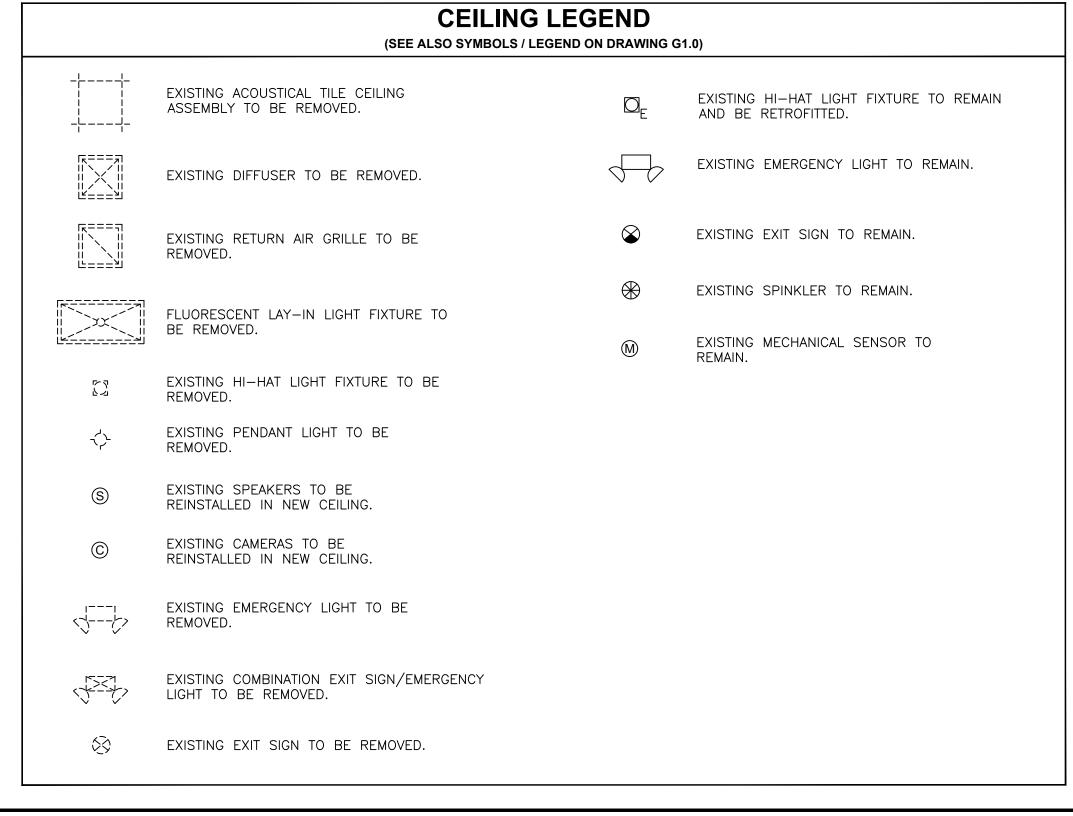
1 DEMOLITION REFLECTED CEILING PLAN
D1.1 SCALE: 1/4" = 1'-0"

NORTH

1. VARIOUS CEILING APPURTENANCES INCLUDING LIGHTING, HVAC SUPPLIES AND RETURNS, FIRE SPRINKLER HEADS, CEILING MOUNTED ELECTRICAL RECEPTACLES, TEMPERATURE SENSORS, CAMERAS, SPEAKERS, ETC. MAY EXIST AND ARE TO BE RELOCATED TO NEW CEILING ASSEMBLIES (VERIFY EXISTENCE IN FIELD).

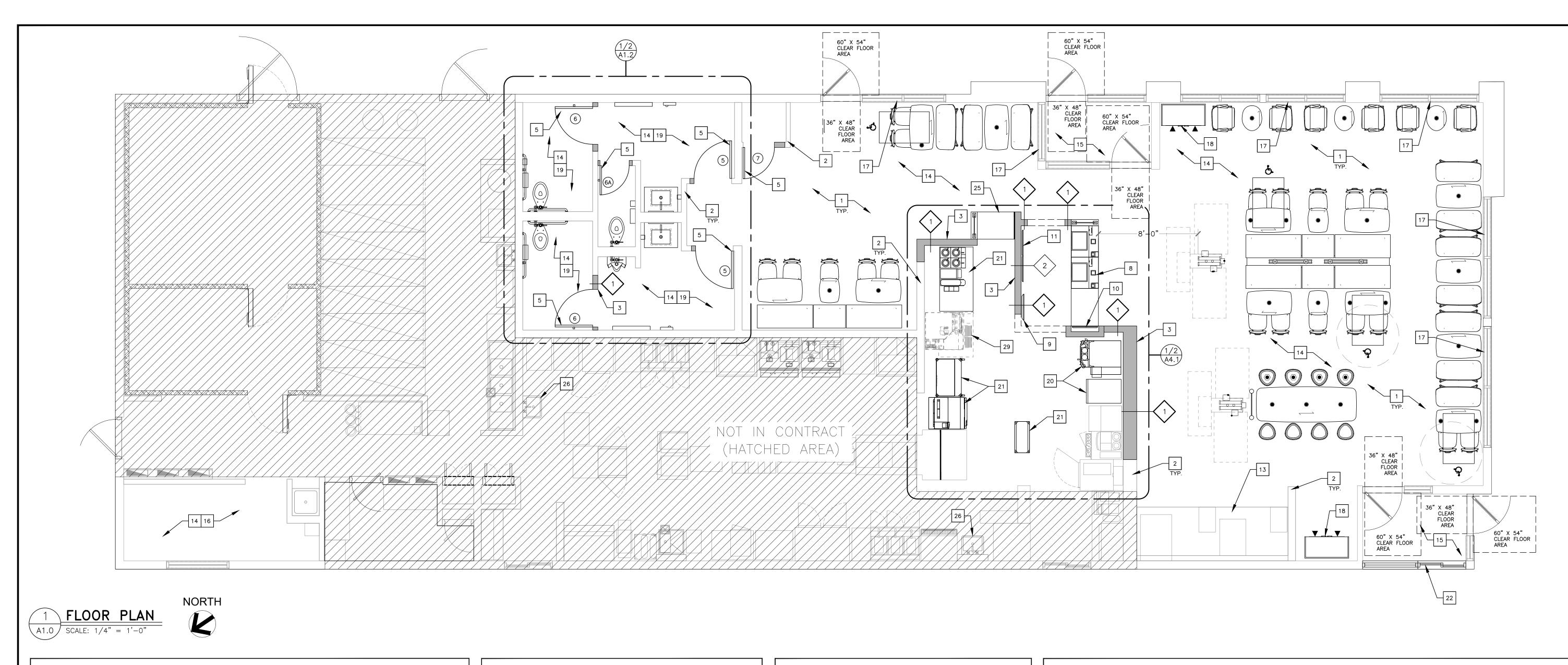
CEILING DEMOLITION NOTES

- 2. EXACT NUMBER OF CEILING MOUNTED ITEMS TO BE VERIFIED IN FIELD.
- 3. EXISTING HVAC DUCTWORK TO REMAIN.
- 4. HVAC SUPPLY AND RETURN AIR ARRANGEMENT AND EXHAUST FAN SYSTEM TO REMAIN AND BE ADAPTED TO NEW OR MODIFIED CEILING ASSEMBLIES. FINAL LOCATIONS OF THESE ITEMS TO BE MINIMALLY ADJUSTED TO ACCOMMODATE NEW CEILING LAYOUTS.
- 5. IN THE EVENT THAT TOILET ROOM RETURN AIR GRILLES (AS SHOWN ON DRAWINGS) ARE FOUND TO BE CEILING MOUNTED EXHAUST FANS, FANS SHALL REMAIN AND BE THOROUGHLY CLEANED. THE CEILING TRIM SHALL BE REPLACED WITH NEW.
- 6. TEMPERATURE SENSORS, SPEAKERS, CAMERA, EMERGENCY LIGHT, ILLUMINATED EXIT SIGN, FIRE SPRINKLER SYSTEMS, AND FIRE ALARM COMPONENT ARRANGEMENTS TO REMAIN AND BE ADAPTED TO NEW OR MODIFIED CEILING ASSEMBLIES. FINAL LOCATIONS OF THESE ITEMS TO BE MINIMALLY ADJUSTED TO ACCOMMODATE NEW CEILING LAYOUTS OR AS OTHERWISE REQUIRED TO ACCOMMODATE ANY SIGNIFICANT CHANGES TO THE FLOOR PLAN LAYOUT.
- 7. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.



	KEYNOTES			
1	EXISTING ACOUSTICAL TILE CEILING ASSEMBLY TO BE REMOVED.	14	EXISTING COLUMN TO REMAIN.	
2	REMOVE EXISTING SOFFIT/CEILING AND SUPPORTING STRUCTURE.	15	EXISTING VALANCE TO BE REMOVED.	
3	EXISTING LIGHTING TO BE REMOVED.	16	EXISTING SPRINKLER TO REMAIN. (NOT USED)	
4	EXISTING SUPPLY DIFFUSER/RETURN AIR GRILLE TO BE REMOVED, CLEANED AND PREPARED TO BE REINSTALLED. COORDINATE WITH NEW CEILING GRID LAYOUT.	17	EXISTING MECHANICAL SENSOR TO REMAIN. (NOT USED)	
5	REMOVE AND REINSTALL EXISTING SPEAKER. COORDINATE RE-INSTALLATION WITH NEW CEILING GRID LAYOUT.			
6	REMOVE AND REINSTALL EXISTING CAMERA. COORDINATE RE-INSTALLATION WITH NEW CEILING GRID LAYOUT.			
7	EXISTING EMERGENCY LIGHT TO BE REMOVED. (NOT USED)			
8	EXISTING COMBINATION EXIT SIGN/EMERGENCY LIGHT TO BE REMOVED. (NOT USED)			
9	EXISTING ILLUMINATED EXIT SIGNS TO BE REMOVED AND REINSTALLED.			
10	DIGITAL MENU BOARDS TO BE REMOVED.			
11	EXISTING LIGHT FIXTURE TO REMAIN AND BE PREPARED FOR NEW LED RETRO FIT KIT.			
12	COORDINATE NEW FINISH FOR EXISTING CEILING WITH INTERIOR DECOR DRAWINGS.			
13	EXISTING EMERGENCY LIGHT TO REMAIN. (NOT USED)			

ME: JOSHUA CARRELL EENSE NO: A-2018040323



DOOR SCHEDULE DOOR FRAME MARK TYPE | MATL MATERIAL SIZE SIZE _ _ 3'-0"x6'-8"(V.I.F.)x1 3/4" S.C.WOOD W/ LAM. В Н.М. 2" JAMB & HEAD 3'-0"x4'-8"x1 3/4" S.C.WOOD W/ LAM. C H.M. 2" JAMB & HEAD 2'-6"x4'-8"x1 3/4" S.C.WOOD W/ LAM. C | H.M. 2" JAMB & HEAD 3'-0"x6'-8"(V.I.F.)x1 3/4" S.C.WOOD W/ LAM. В Н.М. 2" JAMB & HEAD

DOOR #5 - RESTROOM ENTRY

1. 3 EA HINGE BB1279 4 ½ X 4 ½ US26D HAGER

2. 1 EA CLOSER LCN LDPA4031 SNB ALUM PULL SIDE MOUNTED

3. 1 EA PUSH PLATE HAGER 30S, 4 X 16, US32D, 40"AFF MOUNTED TO CENTER OF PLATE. 4. 1 EA PULL PLATE WITH HANDLE, HAGER 33E, 4 x16, US32D, 40"AFF MOUNTED TO CENTER OF PLATE.

5. 2 EA KICKPLATE 190S 8 X 34 US32D HAGER 6. 1 EA DOOR STOP 236W US32D HAGER

7. 1 EA FINGER GRD MKIA PUSH SIDE BRN F.SAFE 8. 1 EA FINGER GRD MKIB PULL SIDE BRN F.SAFE

9. 1 EA STEPNPULL PULL SIDE (OPTIONAL) 10. 3 EA DOOR SILENCERS. HAGER

11. UNDERCUT DOOR 3/4"

DOOR #6 & 6A - ADA & STANDARD STALL

1. 2 EA HINGE 1250 4 ½ X 4 ½ US26D HAGER 2. 1 EA HINGE BB 1279 4 ½ X 4 ½ US 26D HAGER

3. 1 EA DEADBOLT B571 X 10-087 214EE X 12 X 291 X 626

4. 2 EA BACK TO BACK LADDER PULL HANDLE, 16"L, 1"DIA #S-16-1000 BTB-UMCO 32D MOUNTED 6" FROM EDGE OF DOOR TO CENTER OF SCREWS - 281/2" MOUNTED 281/2"

FROM TOP OF DOOR TO C/L OF PULL 5. 1 EA ROBE HOOK 917 BRADLEY

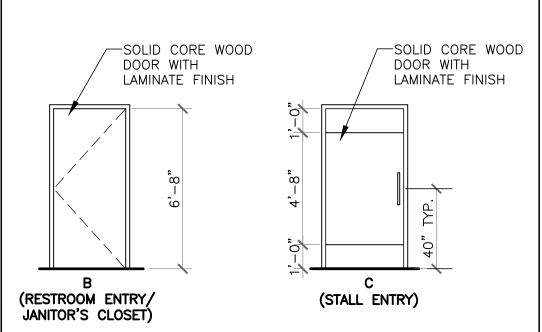
6. 1 EA DOOR STOP 236W US32D HAGER (ADA STALL ONLY)

DOOR #7 - JANITOR CLOSET

1. 3 EA HINGE BB 1279 4 ½ X 4 ½ US 26D HAGER 2. 1 EA LOCK ND80PD RHO 626 SCHLAGE

3. 3 EA DOOR SILENCERS, HAGER

DOOR TYPES



1. ALL EXIT DOORS SHALL BE KEYLESS IN THE DIRECTION OF

DOOR NOTES

2. THE OPENING FORCE OF ALL EXT. PUSH/PULL DOORS SHALL NOT EXCEED 8 1/2 LBS. 3. THE OPENING FORCE OF ALL INTERIOR PUSH/PULL DOORS

SHALL NOT EXCEED 5 LBS. 4. PROVIDE PANIC HARDWARE FOR ALL EXTERIOR DOORS AS NOTED ON THE DOOR SCHEDULE.

5. ALL DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE OPERABLE WITH ONE HAND. PROVIDE DOOR HARDWARE THAT CAN BE

OPERATED WITH A CLOSED FIST OR A LOOSE GRIP. 6. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. SPRING HINGES. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM.

HANDICAP ACCESSIBILITY NOTES

- REFER TO HANDICAP ACCESSIBILITY STANDARDS, DRAWING G2.0 FOR ADDITIONAL INFORMATION.
- 2. ACCESSIBLE TABLE TOP 34" MAX. A.F.F. AND 27" MIN. KNEE CLEAR A.F.F. BENEATH TABLE TOP, CONTINUOUS FOR A DEPTH OF 19" MIN. BACK FROM LEADING EDGE OF TABLE TOP. PROVIDE MIN. 30" CLEAR WIDTH BELOW TABLE TOP FOR A FORWARD APPROACH TO ACCESSIBLE SEATING POSITIONS.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR ORDERING AND INSTALLING ALL ADA SIGNAGE BASED ON MCDONALD'S ADA SIGNAGE GUIDE. THIS INCLUDES SIGNAGE FOR ALL DOORS IN CUSTOMER AREAS, RESTROOMS, DINING AREA INCLUDING TABLES, SEATING, AND REACH RANGES. CONTACT TOM GIORDANO WITH FORREST PERMA SIGNS - 800-214-8765. TOM@FORRESTPERMASIGNS.COM
- 4. ALL DISPENSERS MUST BE WITHIN COMPLIANT REACH RANGE INCLUDING AT SELF-SERVICE BEVERAGE BAR. GC RESPONSIBLE TO COORDINATE LOCATION OF ANY PERMANENTLY INSTALLED FIXTURES OR DISPENSERS. OWNER/OPERATOR RESPONSIBLE FOR ANY MOVABLE FIXTURES OR DISPENSER. SEE SHEET G2.0.

KEY NOTES

- NEW SEATING LAYOUT SEE INTERIOR 'DECOR' DRAWINGS.
- 2 EXISTING WALLS, TYP. U.O.N.
- 3 NEW WALLS, TYP. U.O.N.
- 4 EXISTING DOORS, TYP.
- 5 NEW DOORS, TYP. U.O.N.
- 6 NEW MCCAFE DECORATIVE SLAT WALL ASSEMBLY. (NOT USED)
- 7 NEW DECORATIVE WALL SEE INTERIOR 'DECOR' DRAWINGS.
- NEW SERVICE COUNTER.
- NEW ORDER READY BOARD CENTERED ON COUNTER CUT.
- NEW DIGITAL MERCHANDISER.
- 11 NEW DIGITAL MENU BOARDS.
- NEW KIOSK. COORDINATE INSTALLATION WITH THE DRAWINGS AND NEW FLOORING INSTALLATION. (NOT USED) NEW KIOSK. COORDINATE INSTALLATION WITH INTERIOR 'DECOR'
- NEW COUNTERTOP ON EXISTING BEVERAGE BAR. NEW FACE LAMINATE ON EXISTING BEVERAGE BAR. SEE DÉCOR FOR EXTENT AND SPECIFICATIONS. EXISTING EQUIPMENT TO BE
- NEW INTERIOR FINISH SPEC'S PROVIDED BY THE DECOR VENDOR. REFER TO INTERIOR 'DECOR' DRAWINGS.
- NEW VESTIBULE FINISHES. REFER TO INTERIOR 'DECOR' DRAWINGS.

- CREW ROOM NEW FINISHES TO BE COORDINATED WITH INTERIOR 'DECOR' DRAWINGS.
- NEW INTERIOR WINDOW SILL. SEE INTERIOR 'DECOR' DRAWINGS FOR EXTENT.
- NEW TRASH RECEPTACLE W/TRAY RETURN SEE INTERIOR NEW TRASH RECEPT 'DECOR' DRAWINGS.
- GC TO PROVIDE ALL NEW PLUMBING FIXTURES AND ACCESSORIES, SEE SHEET A1.2 FOR MORE INFORMATION.
- RELOCATED KITCHEN EQUIPMENT. SEE 'KES' DRAWINGS FOR
- NEW KITCHEN EQUIPMENT. SEE 'KES' DRAWINGS FOR FURTHER INFO.

22 PROPOSED 3rd WINDOW DRIVE—THRU SYSTEM.

- RELOCATED ANSUL PULL. (NOT USED)
- EXISTING COLUMN TO REMAIN. (NOT USED)
- 25 NEW MCDELIVERY POD.

FURTHER INFO.

- 26 EXISTING HANDSINK.
- 27 RELOCATED HANDSINK. (NOT USED)
- NEW HANDSINK (SEE PLUMBING DRAWINGS FOR FURTHER INFO). (NOT USED)
- 29 FUTURE EQUIPMENT.

WALL TYPE SCHEDULE

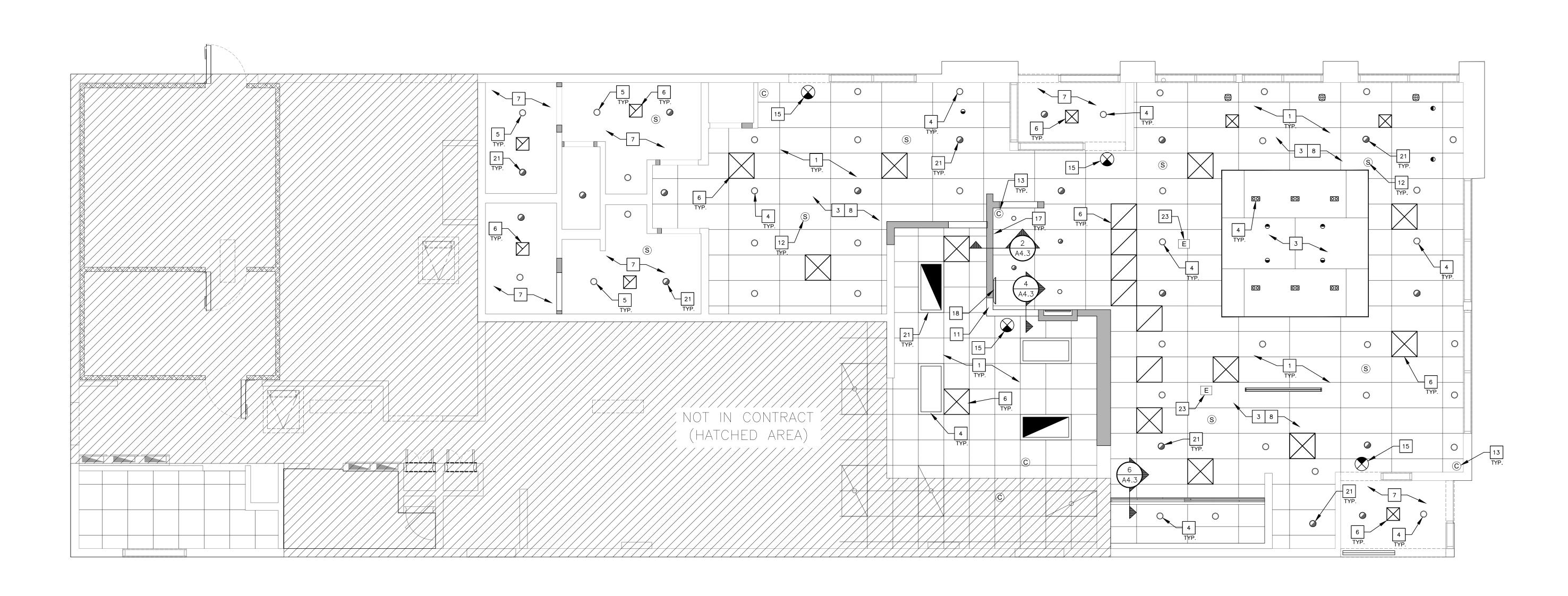
1/2" GYP. BD. (OR 1/2" CEMENT BOARD WHERE CERAMIC TILE FINISH IS PROVIDED) OVER 3-5/8", 20 GA METAL STUDS (OR WIDTH TO MATCH ADJACENT WALL WHERE REQUIRED), AT 16" O.C. WITH 20 GA STUD TRACKS, TOP AND BOTTOM, FROM FLOOR TO STRUCTURE ABOVE. WHERE WALL IS PARALLEL TO ROOF FRAMING MEMBERS, PROVIDE UNISTRUT FRAMING TO RECEIVE TOP TRACK. SIMILAR TO DETAIL 2 ON DRAWING A4.3. WHERE WALL IS PERPENDICULAR TO ROOF FRAMING MEMBERS, ATTACH TOP TRACK TO BOTTOM CHORD OF FRAMING IN A SIMILAR FASHION AS UNISTRUT MOUNTING SHOWN ON DETAIL 2/A4.3, FASTEN BOTTOM STUD TRACK TO FLOOR AT 16" O.C.

SEE DETAILS 1 AND 2, DRAWING A4.3

 $\langle 3 \rangle$ NOT USED

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CEILING NOTES

- 1. VARIOUS CEILING APPURTENANCES INCLUDING LIGHTING, HVAC SUPPLIES AND RETURNS, FIRE SPRINKLER HEADS, CEILING MOUNTED ELECTRICAL RECEPTACLES, TEMPERATURE SENSORS, CAMERAS, SPEAKERS, ETC. MAY EXIST AND ARE TO BE RELOCATED TO NEW CEILING ASSEMBLIES (VERIFY EXISTENCE IN FIELD). 2. EXACT NUMBER OF CEILING MOUNTED ITEMS TO BE VERIFIED IN FIELD.
- EXISTING HVAC DUCTWORK TO REMAIN. 4. HVAC SUPPLY AND RETURN AIR ARRANGEMENT AND EXHAUST FAN SYSTEM TO REMAIN AND BE ADAPTED TO NEW OR MODIFIED CEILING ASSEMBLIES. FINAL LOCATIONS OF THESE ITEMS TO BE MINIMALLY ADJUSTED TO ACCOMMODATE NEW CEILING LAYOUTS.
- 5. IN THE EVENT THAT TOILET ROOM RETURN AIR GRILLES (AS SHOWN ON DRAWINGS) ARE FOUND TO BE CEILING MOUNTED EXHAUST FANS, FANS SHALL REMAIN AND BE THOROUGHLY CLEANED. THE CEILING TRIM SHALL BE REPLACED WITH NEW. 6. TEMPERATURE SENSOR, SPEAKERS, CAMERA, EMERGENCY LIGHT, ILLUMINATED EXIT SIGN, FIRE SPRINKLER SYSTEM, AND FIRE ALARM COMPONENT ARRANGEMENTS TO REMAIN AND BE ADAPTED TO NEW OR
- MODIFIED CEILING ASSEMBLIES. FINAL LOCATIONS OF THESE ITEMS TO BE MINIMALLY ADJUSTED TO ACCOMMODATE NEW CEILING LAYOUTS OR AS OTHERWISE REQUIRED TO ACCOMMODATE ANY SIGNIFICANT CHANGES TO THE FLOOR PLAN LAYOUT. FOR CEILING FINISHES, HEIGHTS AND DETAILS SEE INTERIOR DECOR DRAWINGS.
- 8. FOR LIGHTING SPECIFICATIONS AND ADDITIONAL INFORMATION, SEE ELECTRICAL AND DECOR DRAWINGS. FIXTURE QUANTITIES AND LOCATIONS MAY VARY DEPENDING UPON FINAL FURNITURE LAYOUT. SEE INTERIOR
- DECOR DRAWING FOR FURNITURE LAYOUT. 10. MINIMUM CEILING HEIGHT IS 7'-6". SEE DECOR INTERIOR DRAWINGS FOR CEILING HEIGHTS.

GYPSUM BOARD CEILING ASSEMBLY NOTE

1/2" WATER RESISTANT GYP. BD. ON 7/8" 20 GA FURRING CHANNELS AT 24" O.C. SET AT RIGHT ANGLES AND ATTACHED TO 1-1/2 METAL CARRYING CHANNELS WITH FURRING CHANNEL CLIPS ON ALTERNATE SIDES OF CARRYING CHANNEL. CARRYING CHANNELS TO BE 1-1/2", 18 GA, AT 48" O.C. SUSPENDED FROM STRUCTURE ABOVE WITH 8 GA. HANGER WIRE AT 4'-0" O.C. MAX.

SUSPENDED CEILING NOTES

SEC. 803.9 & SEC. 2506.2,2015 IBC ASTM C-635 & SEC. 13.5.6, ASCE-7-05

- SUSPENDED CEILING SYSTEMS SHALL BE DESIGNED TO RESIST A LATERAL FORCE OF 20% OF THE WEIGHT OF THE CEILING ASSEMBLY AND ANY LOADS TRIBUTARY TO THE SYSTEM FOR PURPOSES OF DETERMINING THE LATERAL FORCE. A MIN. WEIGHT OF 5 POUNDS PER SQ. FT. SHALL BE
- WHEN THE CEILING LOADS DO NOT EXCEED 5 POUNDS PER SQ. FT. AND WHERE PARTITIONS ARE NOT CONNECTED TO THE CEILING SYSTEM, THE FOLLOWING BRACING SYSTEM MAY BE EMPLOYED:
- LATERAL SUPPORT MAY BE PROVIDED BY FOUR WIRES OF MAXIMUM NO. 12 GA. SPLAYED IN FOUR DIRECTIONS 90 DEGREES APART, AND CONNECTED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER AND TO THE STRUCTURE ABOVE AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. THESE LATERAL SUPPORT POINTS SHALL BE PLACED 12'-0" ON CENTER IN EA. DIRECTION, WITH THE FIRST POINT WITHIN 6'-0" FROM EA. WALL.
- ALLOWANCE SHALL BE MADE FOR LATERAL MOVEMENT OF THE SYSTEM. MAIN RUNNERS AND CROSS RUNNERS MAY BE ATTACHED AT TWO ADJACENT WALLS WITH CLEARANCE BETWEEN THE WALL AND THE RUNNERS MAINTAINED AT THE OTHER WALLS.
- VERTICAL SUPPORT SHALL BE PROVIDED AS REQUIRED IN CBC STANDARD WITH THE ADDED REQUIREMENT THAT DISCONTINUOUS END OF CROSS RUNNERS AND MAIN RUNNERS SHALL BE VERTICALLY SUPPORTED WITHIN 8" OF SUCH DISCONTINUITIES AS MAY OCCUR WHEN THE CEILING IS DISRUPTED BY A WALL.
- LIGHTING FIXTURES AND AIR DIFFUSERS SHALL BE SUPPORTED DIRECTLY BY WIRES TO THE STRUCTURE ABOVE.

CEILING LEGEND NEW 2' X 4' SUSPENDED RECESSED EMERGENCY ACOUSTICAL CEILING DOWNLIGHT. SEE ELEC DRAWINGS. MECHANICAL SENSOR TO REMAIN. NEW SUPPLY DIFFUSER NEW RETURN AIR GRILL EXISTING GYP. CEILING / NEW GYP. CEILING / SOFFIT EXISTING EMERGENCY LIGHT TO REMAIN RELOCATED ILLUMINATED EXIT SIGN NEW ILLUMINATED EXIT SIGN RELOCATED EXISTING SPEAKER RELOCATED EXISTING CAMERA EXISTING SPINKLER TO REMAIN RECESSED DOWNLIGHT

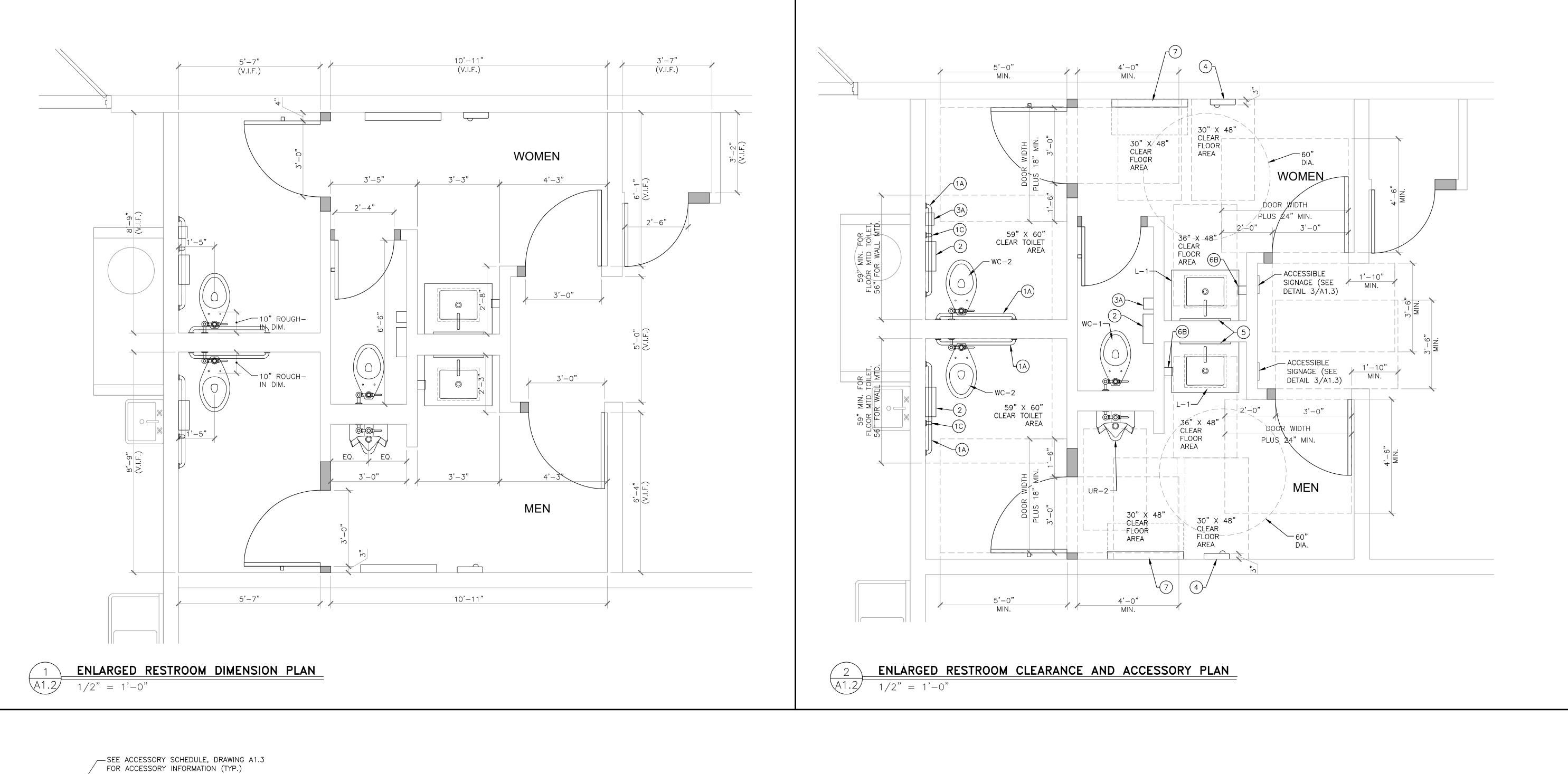
KEY NOTES	3
1 NEW ACOUSTICAL CEILING TILE (TYPICAL).	15 NEW ILLUMINATED EXIT SIGN.
PROVIDE NEW GWB CEILING ASSEMBLY. SEE GYPSUM BOARD CELING NOTE, THIS SHEET. (NOT USED)	RELOCATED ILLUMINATED EXIT SIGN. (NOT USED)
NEW GWB SOFFIT. SEE SOFFIT DETAIL 4/A4.3. REFER TO INTERIOR 'DECOR' DRAWINGS FOR EXACT LOCATION.	17 NEW DIGITAL MENU BOARDS.
NEW LIGHTING. SEE INTERIOR DECOR AND ELECTRICAL	18 NEW ORB CENTERED ON PICKUP COUNTER.
DRAWINGS.	BULKHEAD TRANSITION — SEE 'DECOR' INTERIOR DRAWINGS. (NOT USED)
5 NEW LED RETRO FIT KIT IN EXISTING LIGHTING LOCATION.	20 EXISTING COLUMN TO REMAIN. (NOT USED)
RELOCATED SUPPLY DIFFUSER/RETURN AIR GRILLE. COORDINATE LOCATIONS AND INSTALLATION WITH NEW CEILING GRID LAYOUT.	21 NEW EMERGENCY LIGHT FIXTURE.
7 EXISTING CEILING/SOFFIT ASSEMBLY TO RECEIVE NEW FINISH. PATCH AND REPAIR AS REQUIRED.	22 EXISTING SPRINKLER TO REMAIN. (NOT USED)
8 NEW CEILING FINISHES, SEE INTERIOR 'DECOR' DRAWINGS.	EXISTING SPRINKLER HEAD HEIGHT TO BE ADJUSTED PER NEW CEILING LAYOUT. (NOT USED)
9 NEW CEILING FEATURE, SEE INTERIOR 'DECOR' DRAWINGS.	23 POWER FOR KIOSKS. SEE ELEC.
EXISTING VALANCE TO BE CUT 2" BELOW EXISTING CEILING. (NOT USED)	MECHANICAL SENSOR TO REMAIN. (NOT USED)
11 NEW VALANCE. SEE DETAIL 3, DRAWING A4.3.	
12 RELOCATED SPEAKER.	
13 RELOCATED CAMERA.	
EXISTING EMERGENCY LIGHT FIXTURE TO REMAIN. (NOT USED)	

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FINISHED WALL - AUTOMATIC -SOLID CORE WOOD 42" MIN. STALL DOOR FLUSH CONTROL DOOR WITH 42" MIN. LAMINATE FINISH - VALVE LOCK BY MOUNTED HARDER LOCK CLOTHES (OPTIONAL - VERIFY WITH CONSTRUCTION 24" MIN. HOOK VALVE LOCK BY HARDER LOCK -(OPT.) (OPTIONAL - VERIFY WITH MANAGER) FINISHED : CONSTRUCTION MANAGER) WALL AUTOMATIC FLUSH ----CONTROL 13-1/2" MIN.-PROJECTION FROM WALL TO RIM FINISHED FLOOR — 24" MIN. 17" 10" ROUGH-IN

- FINISHED WALL **4**B ALL LAVATORIES MUST HAVE— A FAUCET CAPABLE OF SUPPLYING WARM WATER FINISHED -WALL SANITARY ELECTRIC TOWEL DISPENSER NAPKIN HAND BABY CHANGING TABLE RECEPTACLE DRYER DRYER FOR A MIN. OF 10 SEC. & WASTE (RECESSED VERSION SHOWN) (OPT.) (OPT.) RECEPTACLE 1'-5 13/32" CORIAN PANELS .30" MIN. CLEAR WALL-MTD 6B 0 ADA-COMPLIANT-### ANDERSING MEGATION OF THE PROPERTY OF THE FINISHED -FLOOR 1'-3"

DIMENSIONS SHOWN ON THIS AND OTHER DRAWINGS DEPICT PROPER DIMENSIONS FOR COMPLIANCE WITH ICC/ANSI A117.1-2009

ACCESSIBLE AND USABLE BUILDINGS AND

FACILITIES, AND 2010 ADA STANDARDS FOR

ACCESSIBLE DESIGN GUIDELINES.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS TO DETERMINE IF COMPLIANCE WILL BE ACHIEVED BASED UPON THE SCOPE OF WORK SHOWN ON THE DRAWINGS. CONTRACTOR SHALL MAKE ADJUSTMENTS TO FIXTURE PLACEMENT AS REQUIRED TO ACHIEVE COMPLIANCE. THE COST FOR MAKING SUCH ADJUSTMENTS SHALL BE INCORPORATED INTO THE CONTRACTOR'S BASE BID. IN THE EVENT EXISTING CONDITIONS PRECLUDE COMPLIANCE OR IF SIGNIFICANT ADJUSTMENTS ARE REQUIRED, CONTRACTOR SHALL NOTIFY THE DESIGNATED REPRESENTATIVE. NO EXTRA WILL BE ENTERTAINED IF THE FOREGOING PROCEDURE IS NOT FOLLOWED.

* 7'-9" TO DISPENSING POINT OF DISPENSER.

RESTROOM FIXTURE AND ACCESSORY ELEVATIONS

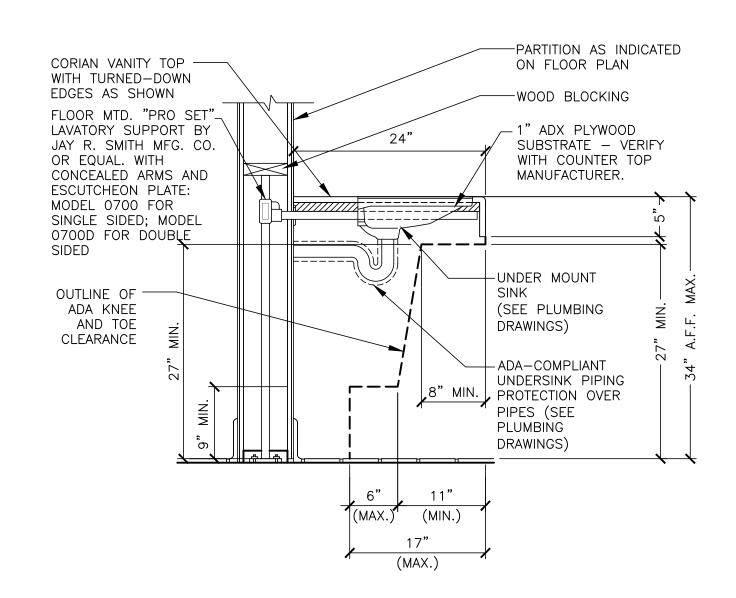
1/2" = 1'-0"

A1.2

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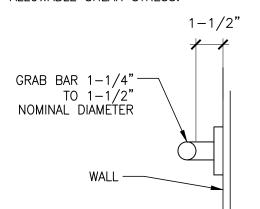
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SHALL BE LESS THAN THE ALLOWABLE

1. BENDING STRESS OF A 250LB POINT LOAD 3. SHEAR FORCE INDUCED IN A FASTENER OR STRESS FOR THE GRAB BAR MATERIAL.

2. SHEAR STRESS OF A 250LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE GRAB BAR MATERIAL. ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORISIONAL SHEAR STRESSES SHALL NOT EXCEED ALLOWABLE SHEAR STRESS.

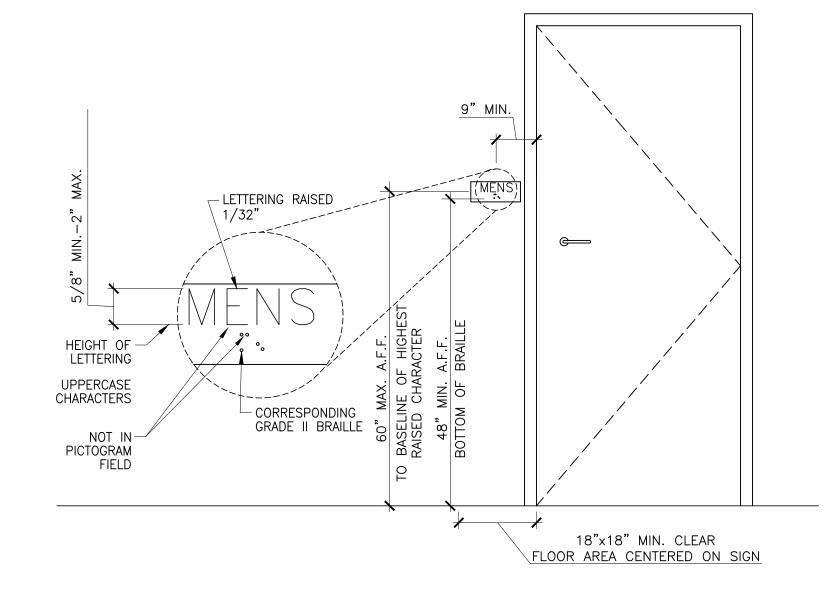


TYPICAL GRAB BAR DETAIL

MOUNT FROM A 250LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF FASTENER OR MOUNTING DEVICE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.

4. TENSILE FORCE FROM A 250LB POINT LOAD PLUS THE MAX MOMENT FROM A 250LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN FASTENER AND SUPPORT STRUCTURE.

5. A GRAB BAR AND ANY ADJACENT WALL SURFACE SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM 1/8" RADIUS.



RESTROOM I.D.

TYPICAL SECTION @ LAVATORY A1.3

MARK FIXTURE TYPE DESCRIPTION

IMAININ	TIXTORE TITE	DESCRIPTION
		WATER CLOSET: TOTO #CT705EN#01 OR ZURN Z5655-BWL1 1.28 GPF
WC-1	WATER CLOSET	FLUSH VALVE: TOTO TET1LAX32#CP OR ZURN ZTR6200EV-LL 1" I.P.S., 1½" TOP SPUD
		FLUSH VALVE OPERATION: SENSOR SEAT: BEMIS MODEL 2155CT
		WATER CLOSET: TOTO #CT705ELN#01 OR ZURN Z5665-BWL1 1.28 GPF
WC-2	WATER CLOSET (HANDICAP ACCESSIBLE)	FLUSH VALVE: TOTO TET1LAX32#CP OR ZURN ZTR6200EV-CC-LL 1" I.P.S., 1½" TOP SPUD
	(FLUSH VALVE OPERATION: SENSOR SEAT: BEMIS MODEL 2155CT
		LAVATORY: KOHLER K-2882-0 OR TOTO LT191G
	LAVATORY (HANDICAP ACCESSIBLE)	LAVATORY: CORIAN COUNTER BY GC, APPROVED ADA HEIGHT
L-1		FAUCET: TOTO TEL101-D10ET#CP OR ZURN Z6950-XL-S-10S-LL-TMV-1 1.0 GPM (0.17 GAL/10 SEC CYCLE)
		ACCESSORIES: TRUEBRO LAVGUARD2 MODEL #102 E-Z JAY R. SMITH "PROSET" MODEL 0700 SINGLE SIDED OR MODEL 0700D DOUBLE SIDED FLOOR MOUNTED LAVATORY SUPPORT WITH CONCEALED ARMS AND ESCUTCHEON PLATES.
		LAVATORY: AMERICAN STANDARD LUCERNE WALL HUNG ADA HEIGHT
L-2	LAVATORY (HANDICAP ACCESSIBLE)	FAUCET: TOTO TEL101-D10ET#CP OR ZURN Z6950-XL-S-10S-LL-TMV-1 1.0 GPM (0.17 GAL/10 SEC CYCLE)
		ACCESSORIES: TRUEBRO MODEL #102 E-Z LAVGUARD2 JAY R. SMITH "PROSET" MODEL 0700 SINGLE SIDED OR MODEL 0700D DOUBLE SIDED FLOOR MOUNTED LAVATORY SUPPORT WITH CONCEALED ARMS AND ESCUTCHEON PLATES.
UR-1	URINAL (HANDICAP ACCESSIBLE)	URINAL: TOTO UT445U#01 0.125 GPF OR ZURN Z5755U 0.125 GPF
		FLUSH VALVE: TOTO TEU1LAX12#CP OR ZURN ZTR6203-ULF-LL ¾" I.P.S. 1" TOP SPUD
UR-2	URINAL	FLUCII VALVE ODERATIONI, SENSOR

1. PLUMBING CONTRACTOR SHALL PROVIDE GRID DRAIN, P-TRAP AND VALVE STOPS FOR ALL SINKS & LAVS.
2. PLUMBING CONTRACTOR SHALL COORDINATE WITH G.C. TO PROVIDE BLOCKING FOR PROPER URINAL SUPPORT. 3. UR-2, SIMILAR TO UR-1 EXCEPT MOUNTED AT STANDARD HEIGHT.

(SEE NOTE NO. 3)

FLUSH VALVE OPERATION: SENSOR

	ITEM (SEE NOTE 2)	MFR MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
1A	GRAB BAR 42"	BOBRICK B-6806X42	HUGHES SUPPLY (866) 310-3576	(1)2×6 4'-0" LONG CENTER MOUNTED
(1B)	GRAB BAR 36"	B-6806X36	MCDCOORD@HAJOCA.COM	
(1C)	GRAB BAR 24"	B-6806X24		01105105 1101111750
2	TOILET TISSUE DISPENSER, JUMBO, SURFACE MOUNTED	BRADLEY 5424	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
3	SANITARY NAPKIN RECEPTACLE, RECESSED (OPTIONAL)	BOBRICK B-353	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	FRAME WALL OPENING PER MANUFACTURER'S RECOMMENDATIONS
(3A)	SANITARY NAPKIN RECEPTACLE, SURFACE MOUNTED (OPTIONAL)	BOBRICK B-254	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACED MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
4A OPTION	HAND DRYER, ENERGY EFFICIENT MODEL, ADA, ALUMINUM BRUSHED CHROME	WORLD DRYER L-971 SlimDri	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS. PROFILE DEPTH: 3-15/16"
4A OPTION	HAND DRYER, ENERGY EFFICIENT MODEL ADA, SPRAYED NICKEL	DYSON AIRBLADE V	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(4B)	TOWEL DISPENSER & WASTE RECEPTACLE, COMBINATION, RECESSED (OPTIONAL)	BOBRICK B-3974	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	FRAME WALL OPENING PER MANUFACTURER'S RECOMMENDATIONS
5	MIRROR, CHANNEL FRAME	BOBRICK B-165 2436	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(6A)	SOAP DISPENSER, COUNTER MOUNTED, 6" SPOUT (OPTIONAL)	BOBRICK B-82216	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	COUNTER MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(6B)	SOAP DISPENSER, WALL-MOUNTED	BOBRICK B-2112	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
7	BABY CHANGING TABLE, HORIZONTAL,RECESSED, ADA COMPLIANT, STAINLESS STEEL	KOALA KARE KB310-SSRE	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	FRAME WALL OPENING PER MANUFACTURER'S RECOMMENDATIONS
7 OPTION "A"	BABY CHANGING TABLE, HORIZONTAL,SURFACE MOUNT, ADA COMPLIANT, STAINLESS STEEL	KOALA KARE KB310—SSWM	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
8	DIAPER CONTAINER (OPTIONAL)	_	BY OWNER	N/A
9	CLOTHES HOOK	BRADLEY 917	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOCA.COM	SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
(10)	TOILET PARTITION (OVERHEAD BRACED TYPE) SOLID PHENOLIC—CORE PANELS	ACCURATE PARTITIONS CORPORATION		CONTINUOUS TREATED PLYWOOD BACKING PER MANUFACTURE'S RECOMMENDATIONS (SEE TOILET PARTITION NOTES, THIS SHEET)

NOTES:
1) SEE 3/A1.2 FOR ACCESSORY MOUNTING HEIGHTS

2) SELECT ONE ITEM FROM ITEM GROUPS 4 & 6, VERIFY WITH AREA CONSTRUCTION MANAGER. 3) CUT BACK-UP SUPPORTS BETWEEN STUDS SO FACE OF SUPPORT IS FLUSH W/WALL STUD

CONSULTANT:		[7]						
	DATE BY	3/10/23 OWJ						
SUBMITTAL	NO. DESCRIPTION	O FOR PERMIT						
Drawn by OWJ) BY	OWD	STD ISSUE DATE	2019	DATE ISSUED		SITE ID NO.	171
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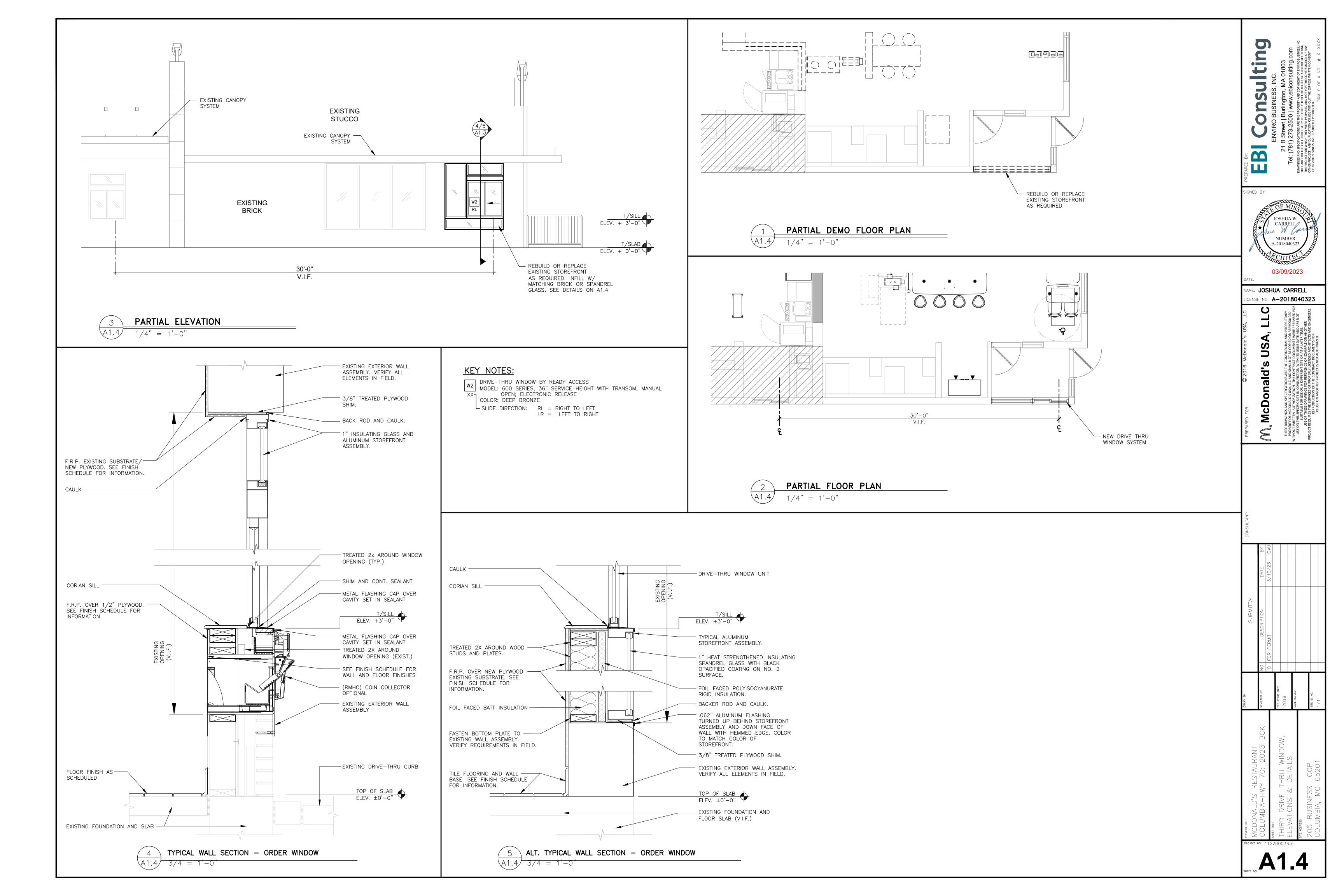
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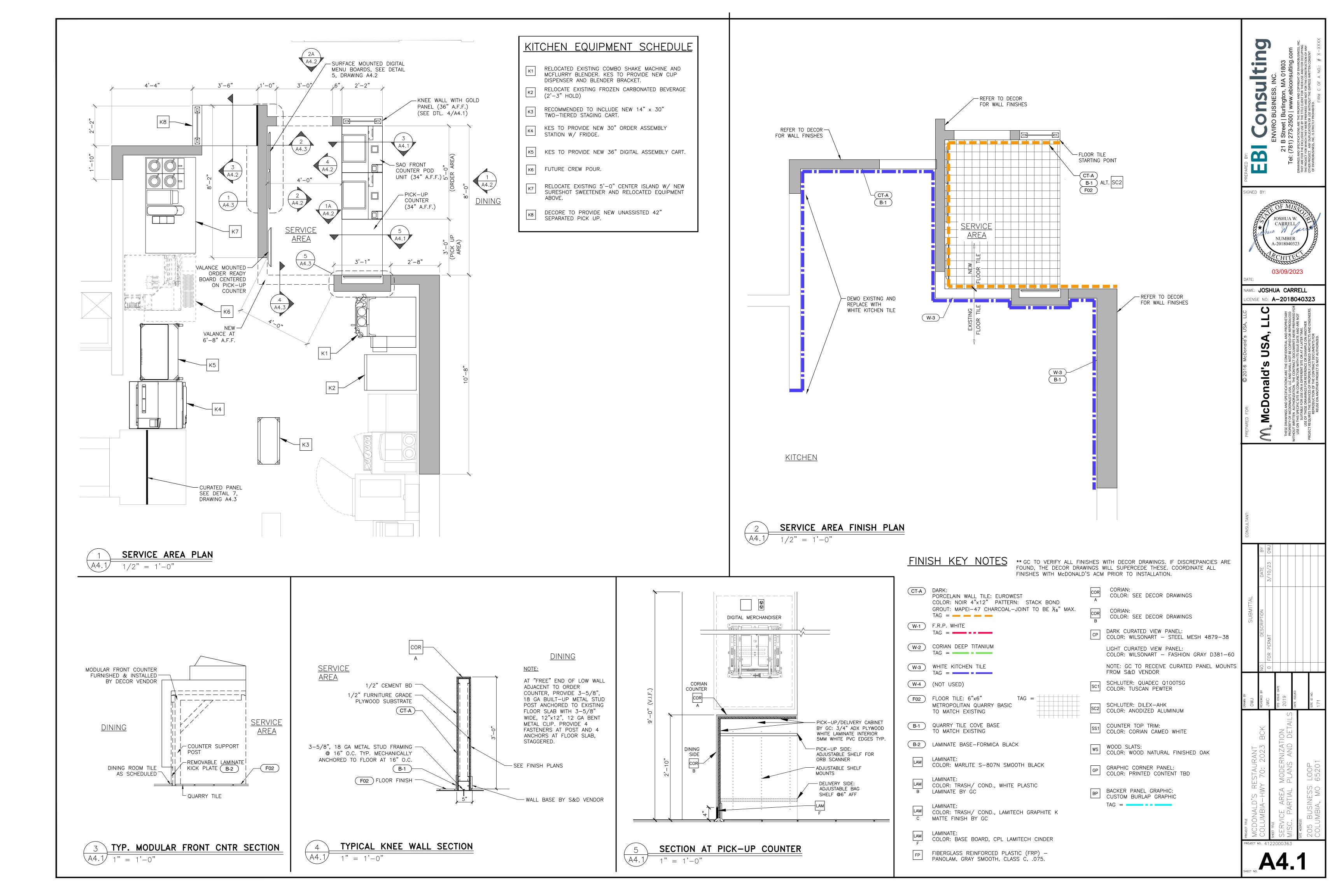
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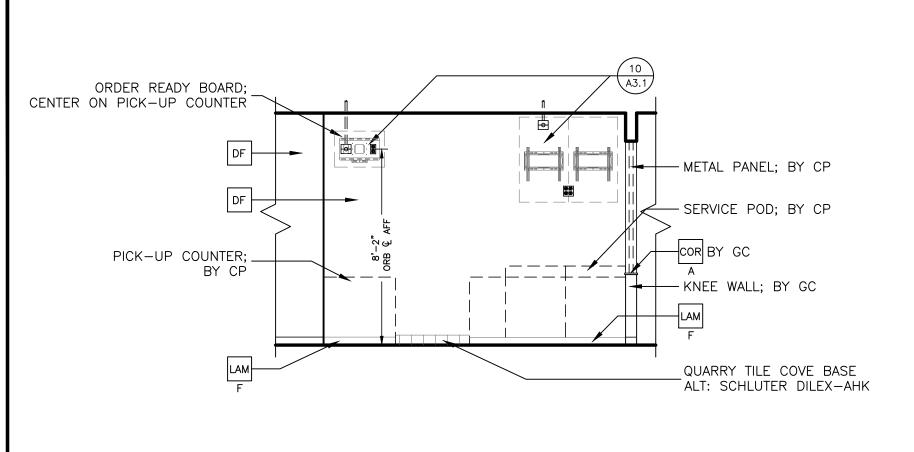
E: JOSHUA CARRELL

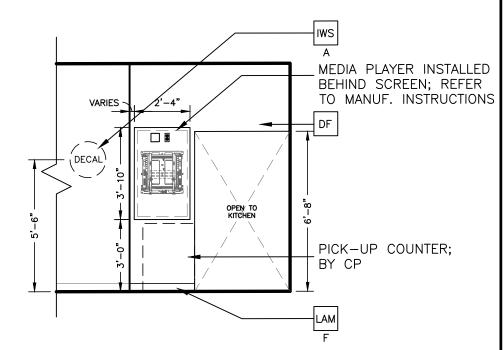
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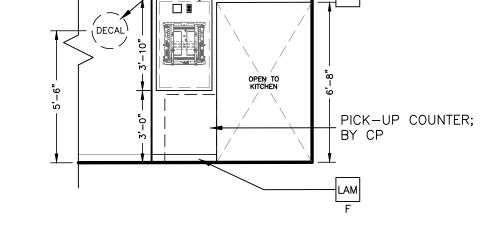
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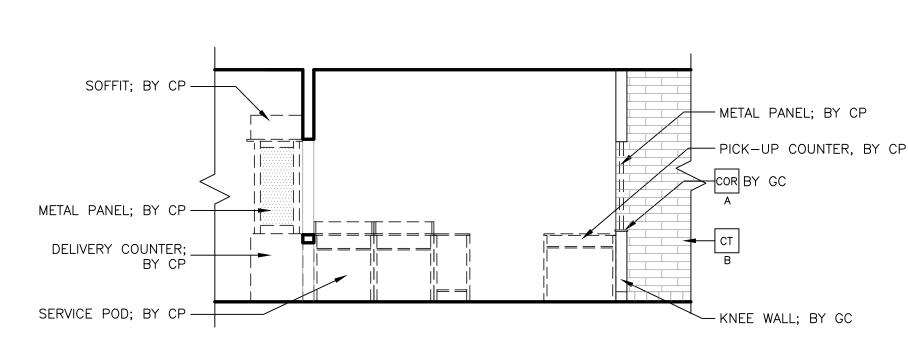


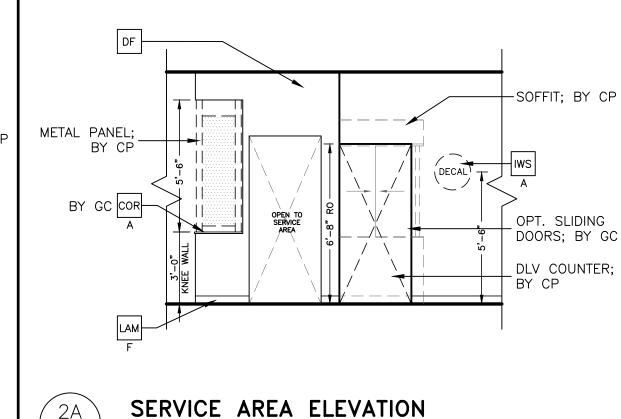


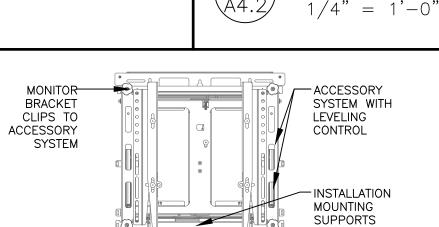


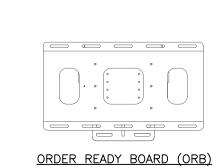
SERVICE AREA ELEVATION - CUSTOMER SIDE \A4.2/ 1/4" = 1'-0"











WALL BRACKET

* SECURE TO STUDS OR 3/4" PLYWOOD BACKING * FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS



CLIPS TO ACCESSORY DIGITAL MERCHANDISER MENU BOARD WALL BRACKET



KEY NOTES

cg CORNER GUARD: 3/4" ANGLE BY DECOR

X - A = BLACK

CERAMIC WALL TILE: CROSSVILLE — COLOR BY NUMBERS COLOR: INTUITIVE GRAY. SIZE: 4"x12", PATTERN: RUNNING BOND GROUT: MAPEI 02 PEWTER - JOINT TO BE 1/6" MAX.

COORDINATE WITH THE McDONALD'S AREA CONSTRUCTION MANAGER

DECAL BY GC; ORDER FROM ANN BOWEN W/ VOMELA: IJ (ann.bowen@vomela.com)

B = McDELIVERY WALL DECAL; LOCATION DETERMINED BY SITE CONDITIONS

DECOR FINISH TO BE ORDERED/INSTALLED BY GC AND MANUFACTURED BY DECOR; REFER TO PORTFOLIO.

Kimberly_Lawson@panolam.com 1-866-925-4377

(agustafson@altura.com)

 \hat{A} = 'CREDIT ONLY' KIOSK SIGNAGE B = 'CASH/CREDIT' KIOSK SIGNAGE

ELECTRICAL SCHEDULE

E3 4.20

4" CONDUIT SLEEVE THROUGH

VALANCE WALL TO ALLOW FOR PASS THROUGH OF DATA CABLE

JB WITH TWO (2) 2 1/2"

CEILING WITH BUSHINGS

CONDUIT TO ABOVE

FOR DATA CABLES

PROVIDE BUSHING ON EACH END

RECESSED MENU BOARDS

1" = 1'-0"

PNL/CCT

RECEP TYPE

(2) IG5262

(1) IG4700

OPTION 2:

2'-2 1/2"

1'-0"

JB WITH ONE (1) 2

FOR DATA CABLES

1/2" CONDUIT TO ABOVE

CEILING WITH BUSHINGS

OPTION 1

HGT AFF REQUIREMENTS & REMARKS

SEE PLAN SEE LAYOUT FOR GANGED OUTLET CONFIGURATION

SEE PLAN SEE LAYOUT FOR GANGED OUTLET CONFIGURATION

SEE PLAN SEE LAYOUT FOR GANGED OUTLET CONFIGURATION

2'-5"

BRK SIZE | COND/WIRE

-(216.05 E9)

VOLT/PH FLA

EQ EQ

ISOLATED

ISOLATED

120/1 ISOLATED

VIF = Verify in Field

JB WITH ONE (1)1 1/2" -

CEILING WITH BUSHINGS

THIS SLIP SHEET IS PROVIDED FOR ELECTRICAL ROUGH-IN PREPARATION

EXISTING VALANCE WALL STRUCTURE AND BACKING MATERIALS TO ENSURE

ALL HEADER AND WALL PENETRATIONS FOR CONDUITS OR OTHER ELECTRICAL

THIS EQUIPMENT IS TYPICALLY MOUNTED IN TECHNOLOGY CLOSET OR IN

DMB INSTALLERS TO ROUTE CONTROL WIRES FROM NMD/EWS ABOVE CEILING

TO MENU BOARD VALANCE WALL. WIRES TO EXIT WALL VIA J-BOXES.

RECESSED MENU BOARD ELECTRICAL CRITERIA

AND GENERAL DIGITAL MENU BOARD MOUNTING GUIDELINES. EVALUATE

CONDUIT TO ABOVE

FOR DATA CABLES

MENU BOARD - DIGITAL - MEDIA PLAYER

JB = Junction Box EC = Electrical Contractor

NOTE: OPTION 1 IS PREFERRED IF

NON-CUSTOMER AREA AND MEDIA

CUSTOMER-FACING LOCATION, USE

PLAYERS WON'T BE INSTALLED ABOVE

FOOD PREP. SLEEVES SHOULD NOT BE

AREA BEHIND MENU BOARDS IS DINING,

ADEQUATE SUPPORT OF EQUIPMENT.

DMB SUPPORT EQUIPMENT INCLUDES:

DIGITAL MENU BOARD (DMB) INSTALLATION NOTES:

- NETWORK MANAGEMENT DEVICE (NMD)

- 24 PORT ENHANCED WAYPORT SWITCH (EWS)

• EACH DMB SECTION REQUIRES A DEDICATED MEDIA PLAYER.

ROUTING MUST BE SEALED TIGHT.

MANAGER'S OFFICE.

INSTALLED WITHIN CUSTOMER VIEW. IF

AREA BEHIND BOARDS IS A

RESTROOMS, OR OTHER

OPTION 2.

KEY NOTES

TAG #

004.20E3

216.05E9

QTY DESCRIPTION

MENU BOARD - DIGITAL

FRP FIBERGLASS REINFORCED PLASTIC — PANOLAM, GRAY SMOOTH, CLASS C, .075. FOR ORDERING, CONTACT KIMBERLY LAWSON

KIOSK SIGNAGE BY GC; ORDER FROM AMANDA GUSTAFSON W/ ALTURA

LAM LAMINATE:

A = IDMB / DIG. MERCH., SMOOTH BLACK PLASTIC LAMINATE BY GC

B = TRASH/ COND., WHITE PLASTIC LAMINATE BY GC C = TRASH/ COND., LAMITECH GRAPHITE K MATTE FINISH

BACK OF WALL/VALANCE DIAGRAM

D = SEE DECOR DRAWINGS. MFR BY DECOR. PURCHASE AND INSTALL BY GC E = McDELVIERY UNDERSCORE, LAMITECH GOLDEN

F = BASE BOARD, FORMICA COMPACT LAMINATE MATTE BLACK BY GC

nsulting RECESSED 4X12 LOUVER TO EXHAUST INTO KITCHEN. GC TO PROVIDE (1) LOUVER PER DMB. CENTER AROUND STUD SPACING.

-JB WITH ONE (1) 1 1/2" CONDUIT

TO ABOVE CEILING WITH BUSHINGS

FOR DATA CABLES

HORIZONTAL DIMENSIONS

REFERENCED FROM LEFT

4" CONDUIT SLEEVE THROUGH

VALANCE WALL TO ALLOW FOR

CABLE. PROVIDE BUSHING ON

EACH END. SLEEVE CAN BE

ANGLED WHEN NECESSARY.

PASS THROUGH OF DATA

-MEDIA PLAYER

─(4.21 E1)

-<u>OPTION 1:</u>

CARRELL NUMBER A-2018040323 03/09/2023 JOSHUA CARRELL ENSE NO: A-2018040323

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onald's U M

A4.2

COR CORIAN:

 $\hat{A} = 1/2$ " CORIAN CAMEO WHITE B = 1/2" CORIAN DEEP TITANIUM USE THIS TILE WHEN HIGH LRV IS REQUIRED

 $\hat{A} = PICK-UP$ SOFFIT DECAL

GENERAL NOTES

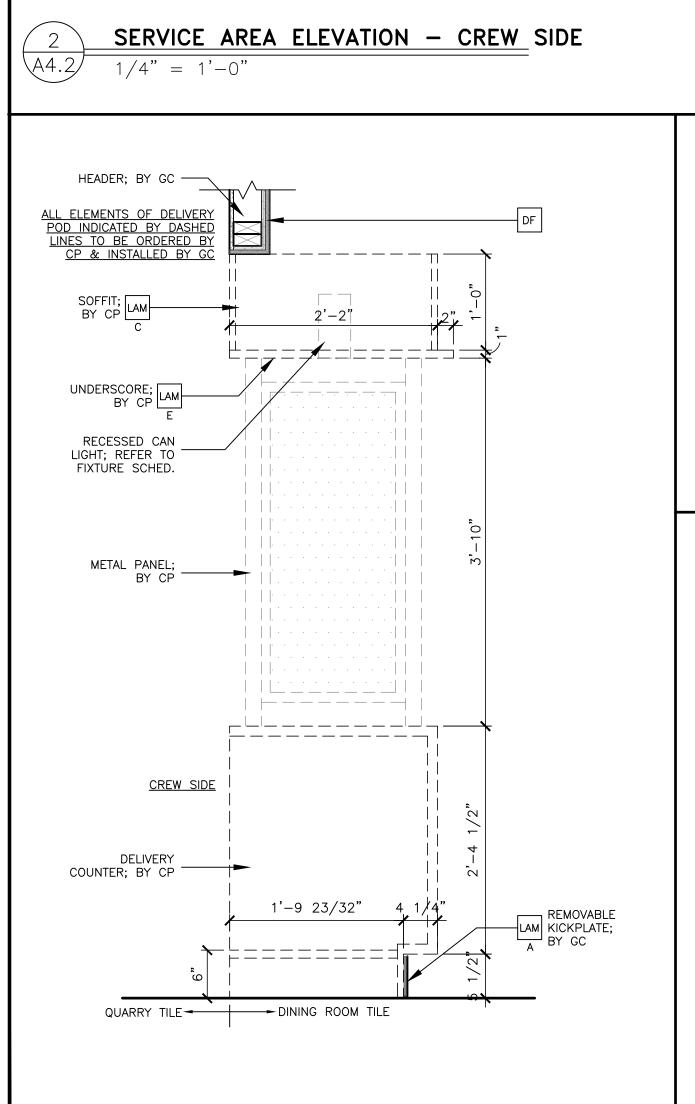
ALL WALL LAMINATE PANELING MANUFACTURED BY DECOR PURCHASE AND INSTALL

ALL ELEMENTS 'BY CP' TO BE ORDERED BY CENTRAL PURCHASING AND

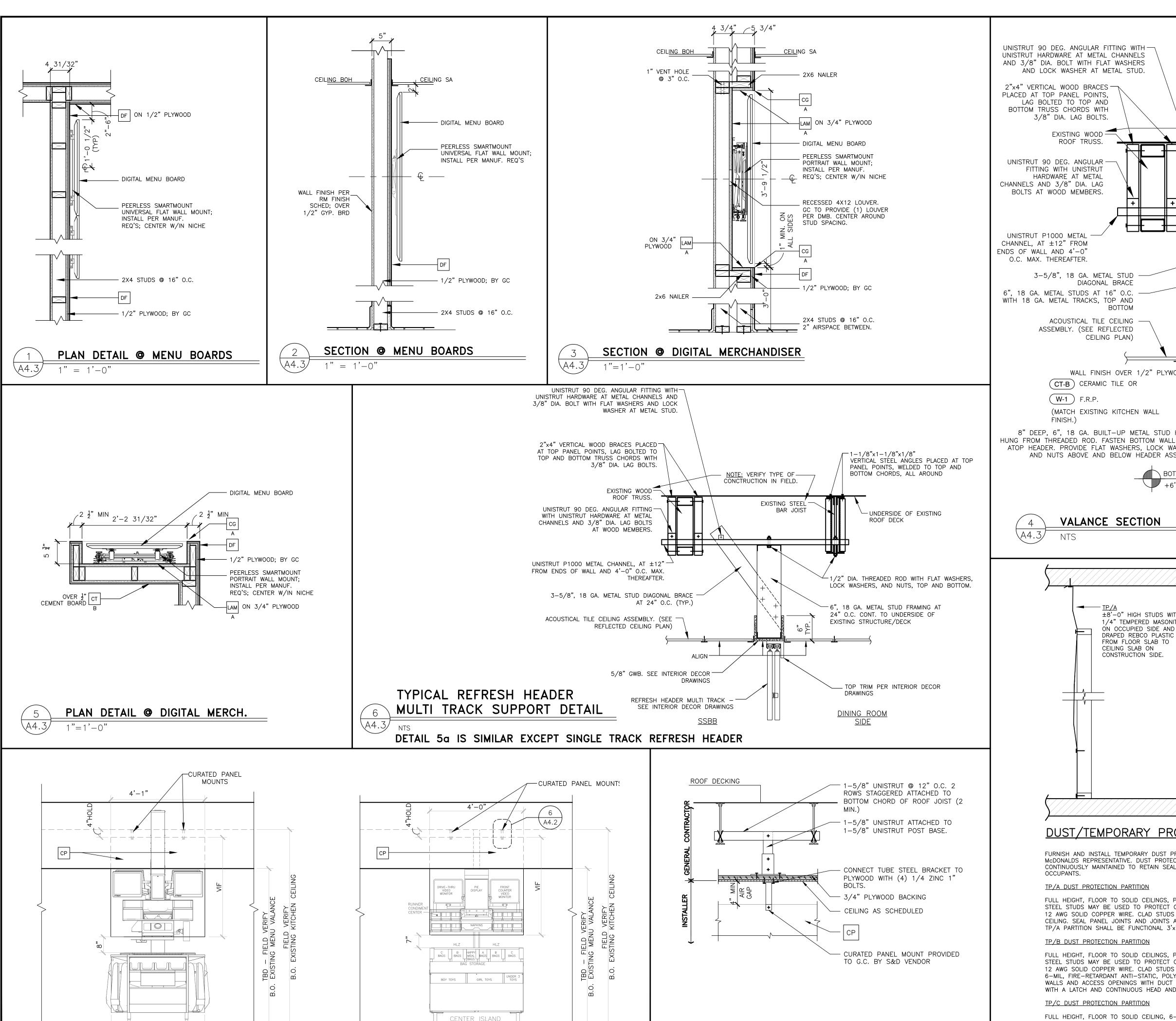
A&E TO VERIFY LOCATION AND QUANTITY OF LIGHTS AND DIFFUSERS AFTER

BY GC, UNO. INSTALLED BY GC, UNO.

SERVICE AREA WALL ADDITION.



SECTION @ DELIVERY POD



TYPICAL CURATED PANEL INSTALL. DETAIL

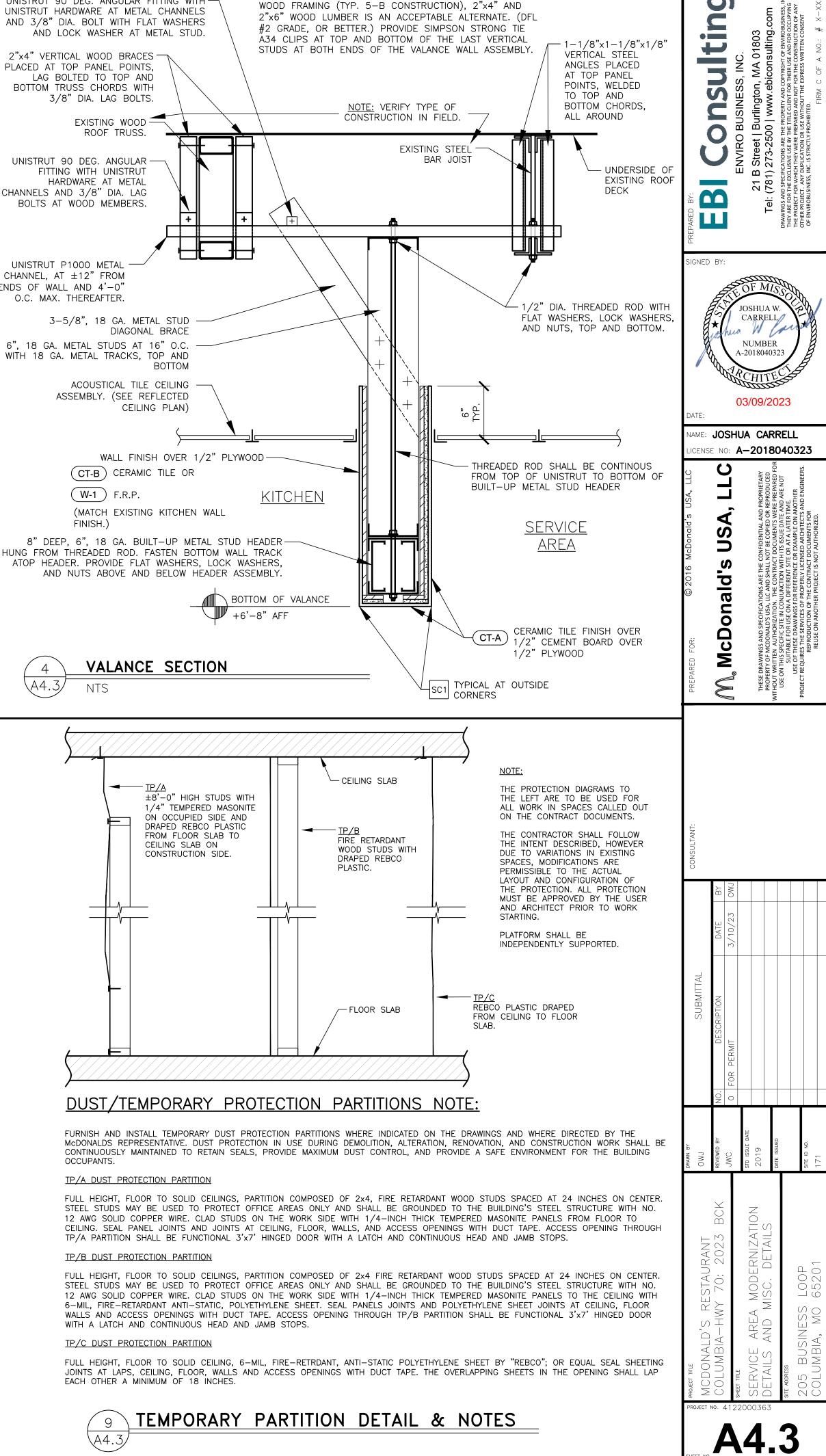
 $A4.3 \overline{1-1/2"} = 1'-0"$

4'-0"

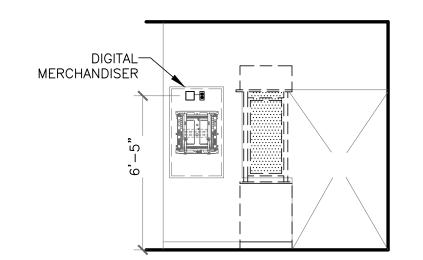
\A4.3,

1/2" = 1'-0"

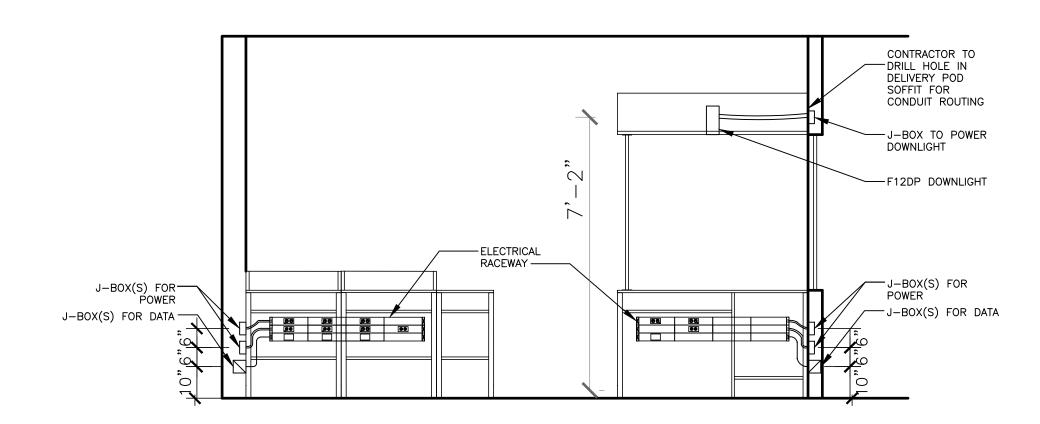
TYPICAL CURATED VIEW PANEL ELEVATION



NOTE: WHEN EXISTING BUILDING IS CONSTRUCTED OF







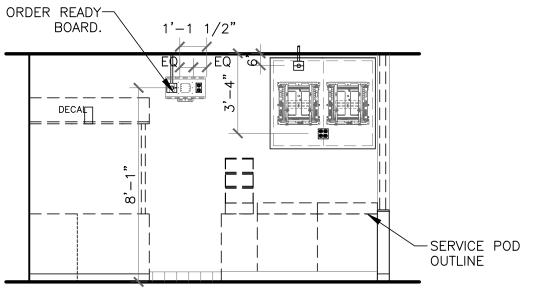
SYMBOL	CATALOG #	DESCRIPTION	
BI	HBLALU57DR & IG4700	RECEPTACLE COVERPLATE WITH ORANGE, GROUND DUPLEX RECEPTACLE	TWIST LOCK, ISOLATED
88	HBLALU57DR & 5-20R FOR BAKED GOODS AND IG5262 FOR CASH	RECEPTACLE COVERPLATE WITH STRAIGHT BLADE RECEPTACLE	
	HBLALU57LPB	COMMUNICATIONS COVERPLATE	
	HBLALU7620B02M290	2' SECTION OF RACEWAY. INCLUDES COUPLERS	
	HBLALU7620B03M290	3' SECTION OF RACEWAY. INCLUDES COUPLERS	
	HBLALU7610B2M2	SERVICE ENTRANCE FITTING & BUSHING FOR DATA CABLES	
	HBLALU7610B	BLANK END FITTING	
N/A	HBLALU5701	COUPLER (INCLUDED WITH RACEWAY SECTION)	
N/A	HRI AI U5709	GROUND ADAPTER	

- NOTES:

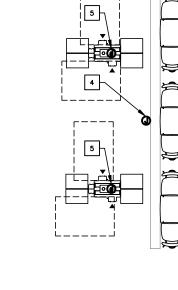
 1. REFER TO SERVICE POD MANUFACTURER INSTRUCTIONS FOR EXACT PLACEMENT OF RACEWAY
- 2. RACEWAY AND RECEPTACLES TO BE PROVIDED WITH SERVICE POD, INSTALLED BY CONTRACTOR.
- 3. DETAIL SHOWN IS A TYPICAL CONFIGURATION ONLY. SITE SPECIFICS MIGHT CAUSE DEVIATIONS.



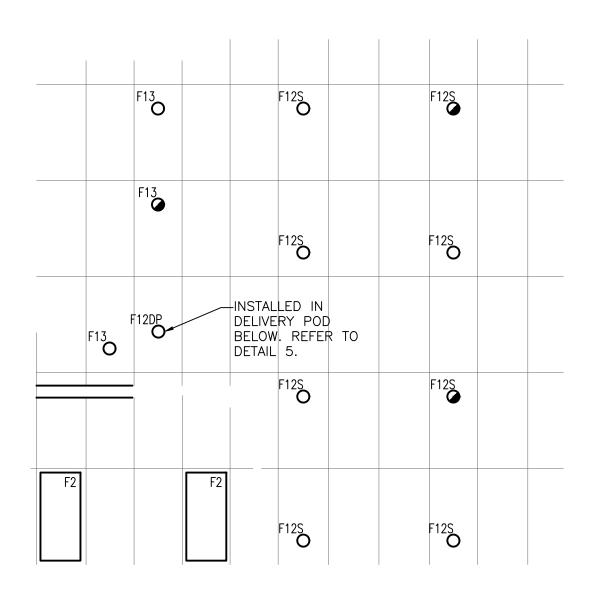




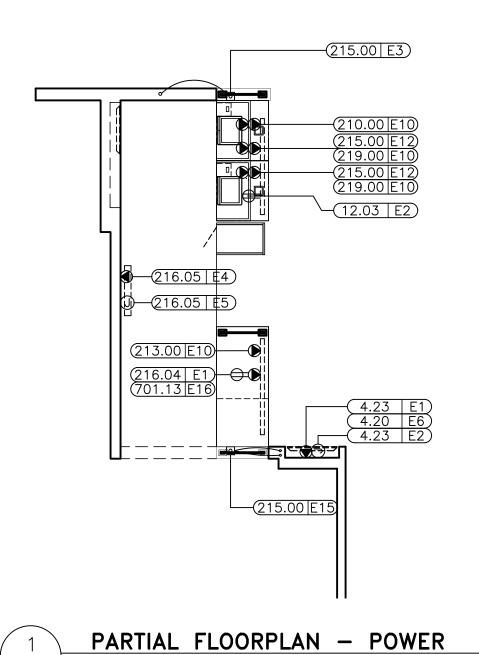












KEY NOTES

- REFER TO 4/E4.3 FOR DIMENSIONS OF ORB MONITOR ROUGH-INS.
- VERIFY EXACT LOCATION OF MEDIA PLAYER ROUGH—INS IN FIELD. DO NOT INSTALL IN CUSTOMER AREA OR DIRECTLY ABOVE FOOD PREP. INSURE ROUGH—INS ARE WITHIN 15' OF MENUBOARDS SO THAT LENGTH OF CABLES PROVIDED ARE SUFFICIENT.
- NOT USED
- PROVIDE J-BOX ABOVE CEILING NEAR KIOSK FOR FUTURE DIGITAL MERCHANDISER. EXTEND CIRCUIT TO THIS LOCATION FROM DIGITAL MERCHANDISER NEAR SERVICE AREA. EXTEND J-HOOKS FROM SERVICE AREA FOR FUTURE DATA CABLES.
- PROVIDE POWER WITHIN CEILING FOR CONNECTION TO SELF ORDER KIOSKS. COORDINATE EXACT LOCATION OF KIOSKS WITH DECOR DRAWINGS. PROVIDE 2#12, 1#12 GRD., & 1#12 ISOLATED GROUND ON A 20A DEDICATED CIRCUIT FED FROM THE CP PANEL FOR EVERY KIOSK

GENERAL NOTES

 THIS DRAWING IS FOR REFERENCE ONLY. THE LAYOUTS SHOWN MAY DIFFER FROM THE SITE SPECIFICS. THE DESIGN CRITERIA SHOULD BE INCORPORATED INTO SITE SPECIFIC SETS

LIGHTING FIXTURE SCHEDULE:									
MADIZ	CYMPOL	DECODIDITION	DIETHOED	LA	MPS	MOUNTING	MANUFACTURER AND CATALOG		
MARK	SYMBOL	DESCRIPTION	DIFFUSER	WATTS	TYPE	MOUNTING	NUMBER		
F2		2' X 4' GRID TROFFER	PRISMATIC ACRYLIC	-w	-	RECESSED	MATCH EXISTING		
F12S	0	6" LED DOWNLIGHT	-	12W	LED	RECESSED	SECURITY LIGHTING #LB6LEDA10L-30K-9-SA/DBXQL-DM VERIFY DOWNLIGHT TO BE USED WITH PHOTOMETRIC		
F12DP	0	4" LED DOWNLIGHT — GOLD	-	9W	LED	RECESSED	SECURITY LIGHTING #LB4A-6LD-30K-9-GD/IBX4QL-120		
F13	0	4" LED DOWNLIGHT	_	25W	LED	RECESSED	SECURITY LIGHTING #LFLSL-4LFSL20L-30K-SP-SL-DL-B24 VERIFY DOWNLIGHT TO BE USED WITH PHOTOMETRIC		

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ENVIRC

21 B Street

Tel: (781) 273-25

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STEE ADDRESS LOOP

SOLUMBIA, MO 65201

DP1.C

CA CO COTG COP CW CD, SCD DE DFU DWS EST. ET EW EWC EX. OR (E) FCO FD FLR. FS FV GW HB HW HWR LAV MB MER MAX. MIN. MS NOM. P PD PP PR PRV PW RO RPZ S SAN SFU SH SP SPS TP TT U V V VFD	CALANCING VALVE COMPRESSED AIR CLEAN OUT CLEAN OUT TO GRADE CLEANOUT PLUG COLD WATER CONDENSATE DRAIN (PRIMARY), SECONDARY DEIONIZED WATER DRAINAGE FIXTURE UNIT DRINKING WATER SUPPLY ESTIMATED EXPANSION TANK EMERGENCY EYE WASH ELECTRIC WATER COOLER EXISTING CLOOR CLEAN OUT CLOOR DRAIN CLOOR SINK CLUSH VALVE GREASE WASTE GOSE BIB GOT WATER RECIRC. AVATORY MIXING BOX
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MIN. MS NOM. P PD PP PP PR PR PRV PW RO RPZ S SAN SFU SH SP SPS TP TT U V V VFD	MECHANICAL ROOM
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PD PP PP PR PRV PW RO RPZ S SAN SFU SH SP SPS TP TT U V V VFD	IOMINAL
PP PR PR PRV PW RO RPZ S SAN SFU SH SP SPS TP TT U V V VFD	PUMP
PR PRV PRV PW RO RPZ S SAN SFU SH SP SPS TP TT U V V VFD	RESSURE DROP
PRV PW RO RPZ S SAN SFU SH SP SPS SPS TP TT U V V VFD	PLUMBING PUMP(RECIRC. PUMP)
PW RO RPZ S SAN SFU SH SP SPS SPS TP TT U V V VFD	RESSURE REGULATOR
PW RO RPZ S SAN SFU SH SP SPS TP TT U V V VFD	RESSURE REDUCING VALVE
RO RPZ S SSAN SSFU SH SP SPS TP TT U V V VFD	PURE WATER
RPZ S S SAN SFU SH SP SPS SPS TP TT U V V VFD	REVERSE OSMOSIS
S SAN S SAN S SFU SH SP SPS TP TT TU U V V VFD	
SAN S SFU S SH S SP SPS TP T TT U V V VFD	REDUCED PRESSURE BACKFLOW PREVENTOR
SFU SS SH SP SPS SPS TP TT U U V V VFD	SINK
SH SP SPS SPS TP TT U V V VFD	SANITARY WASTE
SP SPS SPS TP TT U V V VFD	SUPPLY FIXTURE UNIT
SP SPS SPS TP TT U V V VFD	SHOWER
SPS S TP T TT U V V VFD	STATIC PRESSURE
TP TT U V VFD	
TT T U U V V VFD V	STATIC PRESSURE SENSOR
U U V VFD V	
V VFD V	RAP PRIMER
VFD V	RAP PRIMER ANK TYPE
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
\ /I	ANK TYPE
- VI	ANK TYPE IRINAL /ENT
\v	ANK TYPE IRINAL /ENT /ARIABLE FREQUENCY DRIVE
W00	TANK TYPE IRINAL /ENT /ARIABLE FREQUENCY DRIVE /IBRATION ISOLATOR
	TANK TYPE IRINAL IENT IARIABLE FREQUENCY DRIVE IBRATION ISOLATOR VATER CLOSET
	TANK TYPE IRINAL /ENT /ARIABLE FREQUENCY DRIVE /IBRATION ISOLATOR
WH W	TANK TYPE IRINAL IENT IARIABLE FREQUENCY DRIVE IBRATION ISOLATOR VATER CLOSET
14/114	TANK TYPE JRINAL JENT VARIABLE FREQUENCY DRIVE VIBRATION ISOLATOR VATER CLOSET VALL CLEAN OUT
14/0	TANK TYPE JRINAL JENT JENT
	TANK TYPE JRINAL JENT VARIABLE FREQUENCY DRIVE VIBRATION ISOLATOR VATER CLOSET VALL CLEAN OUT VATER FLOW MEASURING DEVICE

SYMBOL	DESCRIPTION
	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
——————————————————————————————————————	UNION
O	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	STRAINER
	THERMOMETER
\bigcirc	PRESSURE GAGE
	ELBOW TURNED UP
)	ELBOW TURNED DOWN
——O FCO	FLOOR CLEANOUT
—— COP	CLEANOUT PLUG OR FINISHED WCO
——M——	BALL VALVE
N	SHUT-OFF VALVE
	SAFETY VALVE (SV), RELIEF VALVE (RV), SAFETY RELIEF VALVE (SRV)
ВР	BACK-FLOW PREVENTER
	VTR VENT THRU ROOF

PLUMBING LEGEND

----- SANITARY / GREASE WASTE - DEMO ______ VENT - DEMO

SANITARY / GREASE UNDERSLAB - NEW

HOT WATER - NEW

———— · · · ———— HOT WATER - EXISTING

- COLD WATER - NEW COLD WATER - EXISTING

----- HOT WATER - DEMO

----- COLD WATER - DEMO

SANITARY / GREASE UNDERSLAB - EXISTING

(N) NEW

(E) EXISTING TO REMAIN

(R) RELOCATED

(X) EXISTING TO BE REMOVED

POINT OF CONNECTION NEW TO EXISTING

EXTENT OF DEMOLITION

(XR) EXISTING TO BE RELOCATED

PLUMBING SPECIFICATION

- 1. REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS, AND BE RESPONSIBLE FOR ALL APPLICABLE PROVISIONS THEREIN. FURNISH AND INSTALL ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM. ANY APPLIANCES OR MATERIALS OBVIOUSLY A PART OF THE SYSTEM AND NECESSARY FOR ITS PROPER OPERATION, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, SHALL BE FURNISHED AND INSTALLED AS IF CALLED FOR IN DETAIL. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND NFPA 90A AND THE BUILDING REGULATIONS. ATTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES. EQUIPMENT AND MATERIALS SHALL BE NEW, UNLESS OTHERWISE SPECIFIED.
- 2. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY FITTING, OFFSET, DROP AND RISE OF RUNS, AND DETAIL. INSTALL DUCTS, EQUIPMENT AND CONTROLS IN A NEAT, WORKMANLIKE MANNER AND IN ACCORDANCE WITH GOOD PRACTICE FOR A COMPLETE, WORKABLE INSTALLATION. AVOID CONFLICT WITH LOCATIONS OF FIXTURES, APPARATUS, DUCTWORK AND PIPING, AND WHILE THESE ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE, IF IT IS NECESSARY TO CHANGE THE LOCATION OF SAME TO ACCOMMODATE BUILDING CONDITIONS, MAKE CHANGES WITHOUT ADDITIONAL COST TO THE OWNER AND AS APPROVED BY THE ARCHITECT. PROVIDE ADEQUATE ACCESS TO THE EQUIPMENT AND APPARATUS REQUIRING OPERATION, SERVICE OR MAINTENANCE WITHIN THE LIFE OF THE SYSTEM. DO NOT RUN PIPING OR DUCTWORK OR LOCATE EQUIPMENT (WITH RESPECT TO SWITCHBOARDS, PANEL BOARDS, POWER PANELS, MOTOR CONTROL CENTERS OR DRY TYPE TRANSFORMERS) WITHIN 42 INCHES OF FRONT OF EQUIPMENT, OVER EQUIPMENT, OR WITHIN 36 INCHES HORIZONTALLY OF SAME SPACE.

B. EXISTING CONDITIONS

- 1. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH JOB CONDITIONS BEFORE SUBMITTING HIS PROPOSAL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITY SERVICES PRIOR TO SUBMITTING HIS PROPOSAL. NO CONSIDERATION WILL BE GIVEN TO CLAIMS FOR EXTRA COST ARISING FROM CONTRACTORS FAILURE TO BE FULLY COGNIZANT OF JOB OR SITE CONDITIONS EXISTING AT TIME OF ACCEPTANCE OF BID.
- 2. IF DURING THIS INSPECTION THE CONTRACTOR FINDS ANY OBSTRUCTION OR INTERFERENCE THAT MAY PROHIBIT THE PROPER INSTALLATION OF HIS WORK. HE IS TO MAKE IT KNOWN TO THE BUILDING MANAGEMENT AND/OR OWNER AND TENANT BEFORE AND AT THE TIME OF SUBMITTING HIS PROPOSAL
- 3. BY SUBMISSION OF THE BID, IT IS UNDERSTOOD THAT SUCH INSPECTION HAS BEEN MADE AND INCLUDES ALL THE MATERIALS AND REQUIRED RELOCATION FOR ALL WORK.
- 4. ACTIVE SERVICES, WHEN ENCOUNTERED IN WORK, PROTECT, BRACE, SUPPORT EXISTING ACTIVE SEWERS, GAS AND OTHER SERVICES REQUIRED FOR PROPER EXECUTION OF WORK. IF EXISTING ACTIVE SERVICES ARE ENCOUNTERED THAT REQUIRE RELOCATION, RELOCATE AS APPROVED. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES THAT ARE TO REMAIN.
- 5. INACTIVE SERVICES, WHEN ENCOUNTERED IN WORK, REMOVE, CAP OR PLUG INACTIVE SERVICES, AS INDICATED.
- 6. INTERRUPTION OF SERVICES, WHERE WORK MAKES TEMPORARY SHUT-DOWNS OF SERVICES UNAVOIDABLE, SHUT DOWN AT NIGHT, OR AT SUCH TIMES AS APPROVED BY OWNER AND THE BUILDING MANAGEMENT, WHICH WILL CAUSE LEAST INTERFERENCE WITH ESTABLISHED OPERATING ROUTINE. ARRANGE WORK TO ASSURE THAT SERVICES WILL BE SHUT DOWN ONLY DURING THE ACTUALLY REQUIRED TIME TO MAKE NECESSARY CONNECTION TO EXISTING WORK.
- 7. WHERE EXISTING WALLS, CEILINGS, FLOORS, ETC., ARE CUT OR OTHERWISE DAMAGED DURING CONSTRUCTION, REPAIR ALL SURFACES TO THEIR ORIGINAL CONDITION.

C. <u>COORDINATION</u>

1. COORDINATE ALL WORK UNDER THIS DIVISION WITH WORK UNDER OTHER DIVISIONS. PROVIDE ADJUSTMENTS AS NECESSARY, EQUIPMENT, APPARATUS, DUCTWORK, PIPING, ETC., INSTALLED WITHOUT REGARD FOR THE SPACE REQUIREMENTS OF OTHER TRADES WILL BE REWORKED AT THE EXPENSE OF THE INSTALLING SUB-CONTRACTOR IF IT CREATES AN UNNECESSARY HINDRANCE TO THE INSTALLATION OF ANOTHER TRADES WORK. ALL ITEMS MOUNTED AT OR BELOW THE CEILING, AND ANY ITEM PENETRATING THE CEILING, SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.

D. PROTECTION OF WORK DURING CONSTRUCTION

- PROVIDE PROTECTIVE COVERS, SKID, PLUGS OR CAPS TO PROTECT EQUIPMENT AND MATERIALS FROM DAMAGE AND DETERIORATION DURING CONSTRUCTION. PROTECT EXPOSED COILS WITH PLYWOOD OR OTHER SUITABLE RIGID COVERS TO AVOID DAMAGE TO FINS.
- 2. CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OR DISRUPTING BUILDING SYSTEMS, WIRING OR CONTROL TUBING FOR ADJACENT TENANTS. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS COST.
- 3. PROTECT ALL EQUIPMENT AND MATERIALS FROM DAMAGE. ANY DAMAGE SHALL BE REPAIRED USING THE SAME MATERIALS AT THE CONTRACTOR'S COST

E. <u>GUARANTEE</u>

1. MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED AGAINST DEFECTS FOR ONE YEAR.

F. <u>SUBMITTALS</u>

1. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION 1, AND AS FOLLOWS. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S CERTIFIED DIMENSIONAL DATA, ROUGH-IN REQUIREMENTS, AND WARRANTY INFORMATION. SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:

FIXTURE TYPE | DESCRIPTION

(FLOOR MTD.)

(FLOOR MTD.,

ADA)

LAVATORY

(WALL HUNG,

URINAL (ADA)

FLOOR SINK

REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE DESCRIPTION

MODEL WITH MCDONALDS. PROVIDE PROSET TRAP GUARD OR TRAP PRIMER.

- 1.1. PLUMBING FIXTURES 1.2. PIPING MATERIAL
- 1.3. PIPING INSULATION

WC-1

WC-2

G. <u>PIPE INSULATION</u>

- 1. FIBERGLASS, MINIMUM DENSITY OF 4 POUNDS PER CUBIC FOOT (P.C.F.), K FACTOR 0.23 MAXIMUM AT 75 DEGREE F MEAN, WITH FACTORY-APPLIED ALL-SERVICE JACKET (ASJ) COMPOSED OF REINFORCED KRAFT AND ALUMINUM FOIL LAMINATE. JACKET SHALL HAVE SELF-SEALING LAP TO FACILITATE CLOSING LONGITUDINAL AND END
- 2. ASTM C547, CLASS 1 (-20 DEGREE F TO 500 DEGREE F)
- 3. ACCEPTABLE PRODUCTS:
- 3.1. OWENS/CORNING FIBERGLASS SSLII 3.2. KNAUF PIPE INSULATION ASJ/SSL

H. INSTALLATION OF PIPE INSULATION

- 1. INSTALL INSULATION ON PIPE SYSTEMS SUBSEQUENT TO TESTING AND ACCEPTANCE OF TEST
- 2. MAINTAIN INTEGRITY OF VAPOR-BARRIER JACKETS ON PIPE INSULATION, AND PROTECT TO PREVENT PUNCTURE OR OTHER DAMAGE. SEAL OPEN ENDS OF INSULATION WITH MASTIC. SECTIONALLY SEAL ALL BUTT ENDS OF ALL COLD WATER PIPING INSULATION AT FITTINGS WITH WHITE VAPOR BARRIER COATING.
- 3. COVER VALVES, FLANGES, FITTINGS, AND SIMILAR ITEMS IN EACH PIPING SYSTEM WITH EQUIVALENT THICKNESS AND COMPOSITION OF INSULATION AS APPLIED TO ADJOINING PIPE RUN. INSTALL FACTORY MOLDED, PRECUT OR JOB FABRICATED UNITS (AT INSTALLER'S OPTION). FINISH COLD PIPE FITTINGS WITH WHITE VAPOR BARRIER COATING AND HOT PIPING WITH WHITE VINYL ACRYLIC MASTIC, BOTH REINFORCED WITH GLASS CLOTH.
- 4. EXTEND PIPING INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS, AND SIMILAR PIPING PENETRATIONS, EXCEPT WHERE INDICATED.OTHERWISE.
- 5. INSTALL PROTECTIVE METAL SHIELDS AND FOAMGLASS INSERTS WHERE PIPE HANGERS BEAR ON OUTSIDE OF
- 6. INSULATION REQUIREMENT FOR DOMESTIC WATER PIPING: FIBERGLASS, 1/2 INCH THICK OVER ALL FITTINGS, DRAINS AND STOPS

- 1. GENERAL: PIPING SHALL BE COMPLETE WITH PIPE FITTINGS, VALVES, COUPLINGS, STRAINERS, HANGER RODS, HANGERS, SUPPORTS, GUIDES, SLEEVES AND ACCESSORIES IN CONFORMANCE WITH THE LATEST CODES AND ASME, ANSI, ASTM AND MSS STANDARDS. PROVIDE VERTICAL AND HORIZONTAL SUPPORTS AS REQUIRED BY CODES TO MEET MINIMUM APPLICABLE EARTHQUAKE RESISTANCE STANDARDS.
- 2. PROVIDE FITTINGS FOR CHANGE IN PIPE SIZE AND FOR FINAL CONNECTION AT EQUIPMENT, AS REQUIRED.
- 3. PROVIDE UNION CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON EACH SIDE OF ALL VALVES AND IN-LINE EQUIPMENT.
- 4. PROVIDE VALVED AND CAPPED CONNECTIONS AT ALL POINTS IN PIPING SYSTEMS REQUIRED FOR DRAINING

5. PIPING SUPPORTS

- 5.1. HORIZONTAL PIPING AND PIPING HANGERS SHALL BE ADJUSTABLE CLEVIS TYPE "CARPENTER + PATTERSON" FIGURE NO. 100 OR 100 SH OR APPROVED EQUAL. HANGER RODS SHALL BE OF THE FOLLOWING DIAMETER:
- PIPE SIZE: 2 INCH & SMALLER: ROD DIAMETER: 3/8 INCH, MAX SPACING: 6 FEET.
- PIPE SIZE: 2-1/2 INCH TO 3-1/2: ROD DIAMETER: 1/2 INCH, MAX SPACING: 8 FEET.

6. PIPING MATERIAL

- 6.1. ABOVEGROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER TUBING CONFORMING TO ASTM B 88. ALL COOPPER PIPE SHALL BE CERTIFIED LEAD-FREE ACCORDING TO ANSI/NSF 61, ANNEX G
- 6.2. BELOWGROUND DOMESTIC WATER PIPING: (INSTALLED IN CONCRETE OR UNDER CONCRETE) TYPE "K" SOFT DRAWN COPPER TUBING, CONFORMING TO ASTM B 88, SPIRALLY WRAP PIPING BELOW GRADE OR FLOORS WITH 3 LAYERS OF 20 MIL POLYETHYLENE TAPE WITH 1/2 OVERLAP. INSTALL NO PIPING JOINTS BELOW FLOOR. FITTINGS: ASME B16.26 CAST BRONZE. JOINTS: FLARED.
- 6.3. WASTE WATER PIPING, BURIED (WITHIN 5' OF BUILDING) CAST IRON: SERVICE WEIGHT HUB AND SPIGOT CAST IRON, FOR ALL SOIL, WASTE AND VENT PIPING.
- 6.4. WASTE WATER PIPING, ABOVE GRADE: CAST IRON SERVICE WEIGHT, ASTM A74 W/ CAST IRON FITTINGS. JOINTS: ASTM C564, NEOPRENE GASKET SYSTEM OR CAST IRON: NO-HUB CAST IRON. CISPI 301-72T SPECIFICATION FOR ALL SOIL. WASTE AND VENT PIPING WITH STANDARD WEIGHT FITTINGS. JOINTS: NEOPRENE GASKET SYSTEM.

7. FITTINGS

PLUMBING FIXTURE AND CONNECTION SCHEDULE

SIOUX CHIEF 861 SERIES PVC SQUARE FLOOR SINK, IMPACT-MODIFIED PVC WITH SCHEDULE 40 HUB CONNECTION CONFORMING TO

ASTM D2665. HEELPROOF, DESIGNED WITH CONCRETE ANCHOR FLANGE, DUCTILE IRON COVER, 7500 LBS LOAD RATING. VERIFY

- 7.1. DOMESTIC COLD WATER & HEATING WATER: ASME B16.18, CAST BRONZE OR ASME B16.22, WROUGHT COPPER AND BRONZE, ASTM B32, SOLDER, GRADE 95TA. FITTINGS SHALL BE THIRD PARTY-CERTIFIED AS LEAD-FREE TO ANNEX G OF NSF/ANSI 61.
- 7.2. STORMWATER, SANITARY WASTE AND VENT FITTINGS (ABOVEGROUND) SHALL BE NO-HUB CAST-IRON WITH

WASTE

VENT

1-1/2"

1 1/2"

CW SUPPLY | HW SUPPLY

1/2"

3/4"

1/2"

- 1. SOIL AND WASTE PIPE SHALL SLOPE 1/8" PER FOOT MINIMUM, UNLESS OTHERWISE NOTED OR
- 2. VERIFY THE LOCATION OF THE SANITARY SEWER ON THE PLANS AND REVISE THE SEWER SYSTEM AS
- 3. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE OWNER'S REPRESENTATIVE PRIOR TO ANY INSTALLATION.
- OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- SURFACE AND AT LEAST 10 FEET FROM ANY OUTSIDE AIR INTAKE.
- EXPOSED WATER AND WASTE LINES TO BE CHROME PLATED.
- 8. ALL FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH WITH FLOOR

- 11. COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND
- 12. ALL WATER LINES SHALL BE RUN OVERHEAD UNLESS OTHERWISE NOTED.
- 13. ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING ANY FIXTURES OR EQUIPMENT.
- 1. INSTALL PLUMBING FIXTURES AND PIPING AS INDICATED ON THE PLANS
- REPLACE AND RELOCATE PLUMBING FIXTURES AS INDICATED ON THE PLANS.

- RUBBER COUPLING AND STAINLESS STEEL BANDS, OR SCH. 40 PVC SOLVENT WELD.
- 7.3. STORM, SANITARY WASTE AND VENT FITTINGS (BELOW GROUND) SHALL BE HUB & SPIGOT CAST IRON WITH CODE APPROVED COMPRESSION TYPE, RUBBER GASKETS CONFORMING TO ASTM SPECIFICATION..

8. VALVES

- 8.1. VALVES SHALL BE INSTALLED WHERE INDICATED ON DRAWINGS AND WHERE NECESSARY FOR PROPER AND SAFE OPERATION AND MAINTENANCE.
- 8.2. VALVES FOR WATER PIPING SHALL BE SUITABLE FOR THE MAXIMUM SERVICE PRESSURE AND TEMPERATURE THAT COULD EXIST.
- 8.3. BALL VALVES ARE ACCEPTABLE FOR USE AS SHUT-OFF VALVES.
- 8.4. SHUT-OFFS SHALL BE LOOSE KEY, LOCK SHIELD TYPE. ALL FIXTURE STOPS SHALL BE ANGLE OR STRAIGHT TYPE ADAPTED FOR EACH PARTICULAR LOCATION, AND SHALL BE LOCATED IMMEDIATELY ADJACENT TO THE FIXTURE. USE THREADED ADAPTORS WHEN USED IN CONJUNCTION WITH COPPER TUBE WORK.

PLUMBING FIXTURES

- 1. PROVIDE PLUMBING FIXTURES AS INDICATED ON THE PLUMBING FIXTURE SCHEDULE. ALL PLUMBING FIXTURES SHALL BE COMPLETE AND READY FOR USE. STAINLESS STEEL SINKS SHALL BE SATIN FINISHED.
- 2. PROVIDE STOPS, TRAPS, ESCUTCHEONS, CONNECTIONS, ETC. FOR ALL FIXTURES AS NECESSARY TO COMPLETE THE INSTALLATION OF EACH FIXTURE, WHETHER SUCH ITEMS ARE LISTED OR NOT.

3. PLUMBING TRIM

- 3.1. ALL FINISHED EXPOSED FAUCETS, TRAPS, CONNECTING PIPING, STOPS, FLUSH VALVES AND OTHER FIXTURE TRIM SHALL BE CHROMIUM-PLATED BRASS UNLESS OTHERWISE SPECIFIED AND SHALL BE SUPPORTED RIGIDLY TO FIXTURES AND TO WALLS WITH MATCHING BRACKETS AT NOT MORE THAN 2'-0" CENTER. ALL FASTENINGS SHALL BE CHROMIUM-PLATED BRASS OR MAY BE 302 STAINLESS STEEL IF OF MATCHING COLOR AND FINISH.
- 3.2. VACUUM BREAKERS SHALL BE PROVIDED AS A PART OF THE FIXTURE TRIM WHEREVER THERE IS A POSSIBILITY OF BACK-SYPHONING.
- 3.3. PROVIDE FLOOR FLANGE WITH GASKET FOR FLOOR MOUNTED WATER CLOSETS.
- 3.4. TRAPS FOR LAVATORIES, SINKS, AND WATER COOLERS SHALL BE CHROME-PLATED 17 GAUGE BRASS AND SHALL INCLUDE 17 GAUGE TUBING DRAIN AND WALL ESCUTCHEON.

GENERAL NOTES:

- REQUIRED BY CODE.

- 4. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS
- 5. ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL
- 6. INSTALL SHUT-OFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL
- 7. ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON
- 9. PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.
- 10. PRIOR TO COMMENCING WORK ON THIS PROJECT, VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL EXISTING UTILITIES IN FIELD. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED WHICH WOULD CAUSE THE DESIGN TO BE ALTERED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.

PROJECT DESCRIPTION:

RE-WORK DOMESTIC WATER, WASTE, AND VENT PIPING AS REQUIRED

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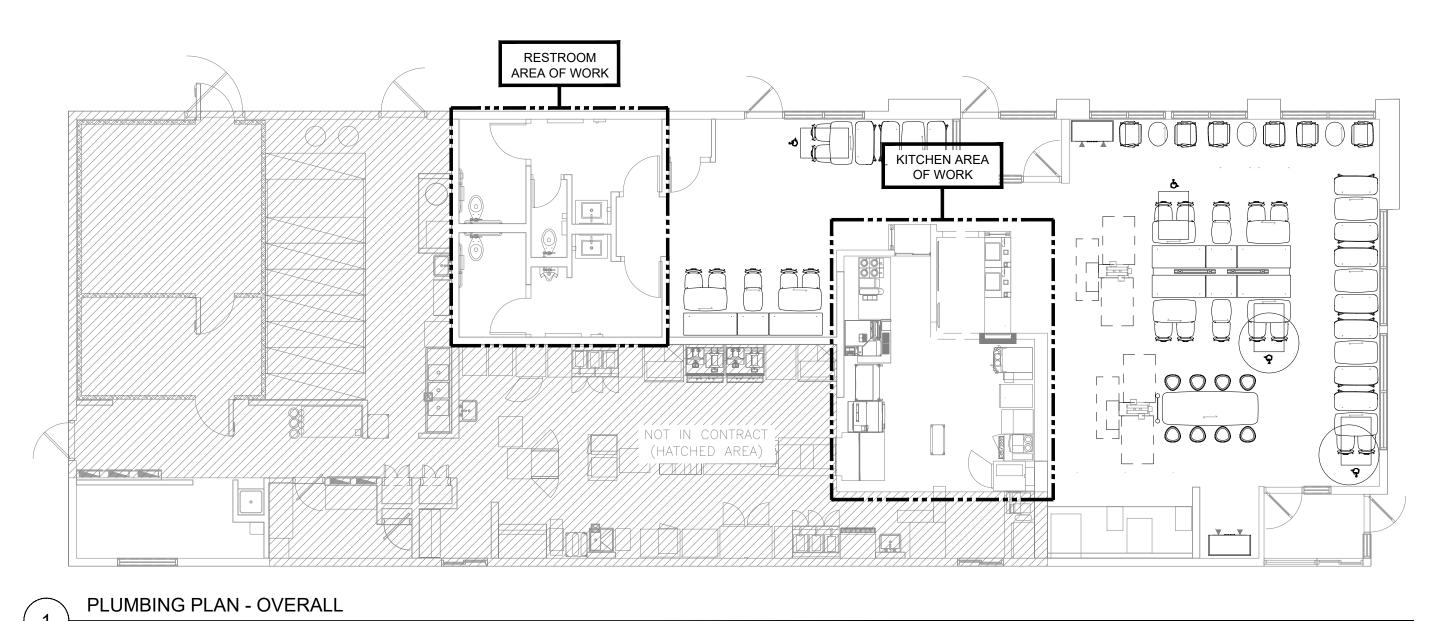
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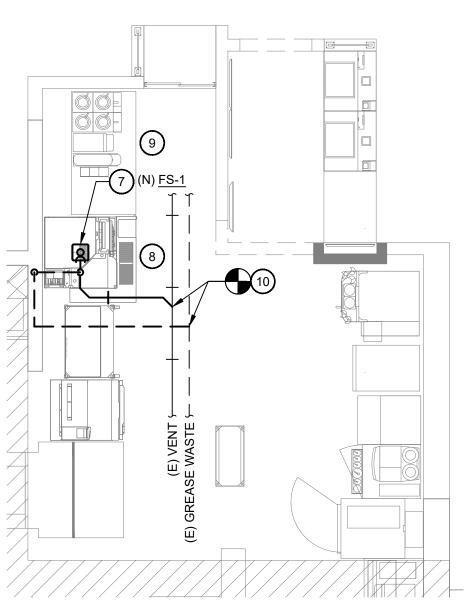
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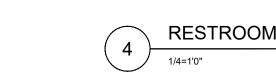
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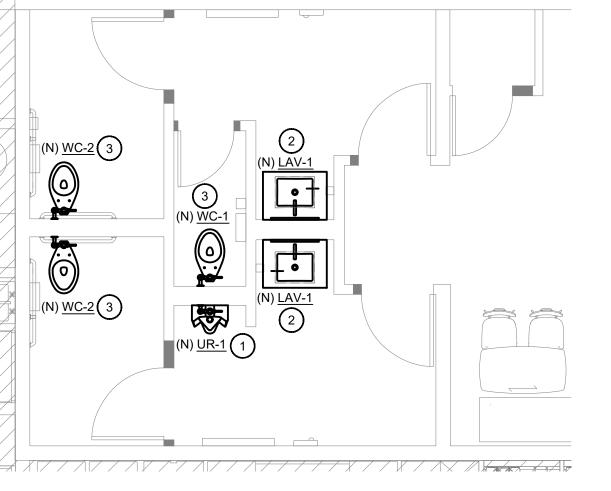


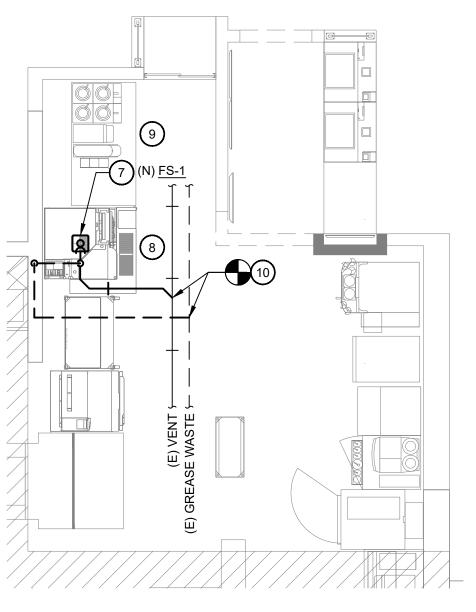
(N) <u>WC-2</u> (3) (N) <u>LAV-1</u> \odot (N) <u>WC-2</u> 3 RESTROOM PLUMBING PLAN - NEW WORK

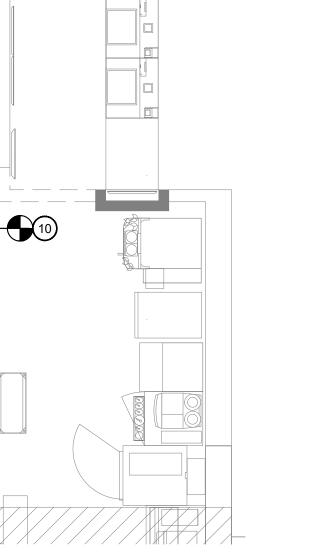




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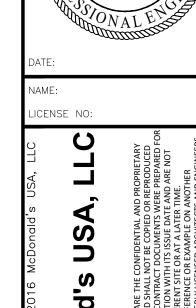


GENERAL NOTES:

- 1. EXACT LOCATION OF PLUMBING FIXTURES SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS.
- 2. BEFORE SUBMITTING BID, THE PLUMBING CONTRACTOR SHALL REVIEW THE ARCH. DRAWINGS AND INCLUDE IN HIS BID AN AMOUNT FOR FURNISHING AND INSTALLING ANY FIXTURES WITH ARE SHOWN IN ADDITION TO FIXTURES SHOWN ON THE PLUMBING
- 3. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW WASTE LINES ARE TO BE CONNECTED, BEFORE MAKING UP OR INSTALLING NEW WASTE SYSTEM.
- 4. ALL VALVES, UNIONS, THERMOMETERS, GAUGES, OR OTHER INDICATING OR RECORDING EQUIPMENT, OR SPECIALTIES REQUIRING FREQUENT READING, REPAIRS ADJUSTMENT, INSPECTION, REMOVAL OR REPLACEMENT, SHALL BE CONVENIENTLY AND ACCESSIBLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.
- 5. WHERE POSSIBLE, TIE VENTS TOGETHER SO THAT A MINIMUM NUMBER PENETRATE THROUGH THE ROOF.
- 6. CONTRACTOR SHALL NOT CUT HOLES IN STRUCTURAL MEMBERS WITHOUT PRIOR AUTHORIZATION BY THE ARCHITECT.
- 7. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- 8. CONTRACTOR SHALL ROUGH-IN ALL WASTE AND SUPPLY LINES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLY LINES SHALL BE VALVED.
- 9. EXISTING PIPING SIZES ARE UNKNOWN. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPE SIZES. IF NEW PIPE SIZE IS BIGGER THAN THE CONNECTED EXISTING PIPING, THEN CONTRACTOR SHALL RUN NEW PIPE BACK TO MAIN OR TO A BRANCH THAT IS THE SAME SIZE OR LARGER THAN THE NEW PIPE.
- 10. 2" WASTE PIPE SHALL BE SLOPED AT LEAST 1/4" PER FOOT. 4" WASTE PIPE SHALL BE SLOPED AT LEAST 1/8" PER FOOT. VERIFY LOCATION OF EXISTING VENT PIPING. ROUTE NEW VENT & WASTE PIPING TO EXISTING.
- 11. PROVIDE WALL CLEAN OUT AT EACH LAVATORY.

KEYED NOTES

- 1. CONNECT NEW URINAL TO EXISTING WASTE, VENT AND COLD WATER SUPPLY. PROVIDE NEW SUNDRIES AS REQUIRED TO CONNECT NEW FIXTURE TO EXISTING PIPING. VERIFY EXACT LOCATION WITH ARCHITECTURAL PLANS.
- 2. CONNECT NEW LAVATORY TO EXISTING WASTE AND DOMESTIC HOT/COLD WATER SUPPLY. PROVIDE NEW SUNDRIES AS REQUIRED TO CONNECT NEW FIXTURE TO EXISTING PIPING. VERIFY EXACT LOCATION WITH ARCHITECTURAL PLANS.
- 3. CONNECT NEW WATER CLOSET TO EXISTING WASTE, VENT AND COLD WATER SUPPLY. PROVIDE NEW SUNDRIES AS REQUIRED TO CONNECT NEW FIXTURE TO EXISTING PIPING. VERIFY EXACT LOCATION WITH ARCHITECTURAL PLANS.
- 4. REMOVE EXISTING WATER CLOSET AND ASSOCIATED SUPPORTS. DISCONNECT FROM EXISTING SANITARY, VENT AND DOMESTIC WATER PIPING FOR FIXTURE REPLACEMENT.
- 5. REMOVE EXISTING LAVATORY AND ALL SUPPORTS. DISCONNECT FROM EXISTING SANITARY, VENT AND DOMESTIC WATER PIPING FOR FIXTURE REPLACEMENT.
- 6. REMOVE EXISTING URINAL AND ALL SUPPORTS. DISCONNECT FROM EXISTING SANITARY, VENT AND DOMESTIC WATER PIPING FOR FIXTURE REPLACEMENT.
- 7. CONNECT NEW FLOOR SINK TO EXISTING GREASE WASTE PIPING. VERIFY SIZE AND LOCATION OF EXISTING PIPE IN FIELD. VERIFY LOCATION OF NEW FIXTURE WITH ARCHITECTURAL AND KITCHEN
- 8. INDIRECT WASTE PIPING FROM KITCHEN EQUIPMENT ROUTED TO FLOOR NEAREST FLOOR SINK WITH 2" AIR GAP.
- 9. CONNECT FILTERED/TREATED/RO WATER TO KITCHEN EQUIPMENT. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR REQUIREMENTS. COORDINATE KITCHEN EQUIPMENT FILTERED WATER REQUIREMENTS WITH KITCHEN EQUIPMENT VENDOR AND MANUFACTURER. TYPICAL FOR ALL KITCHEN EQUIPMENT. PROVIDE ALL EQUIPMENT WITH BACKFLOW PREVENTION DEVICE, WATTS
- 10. VERIFY AND MATCH EXISTING PIPE MATERIAL IN FIELD ENSURE EXISTING PIPE SIZE IS GREATER THAN NEW PIPE CONNECTION SIZE. VERIFY EXISTING INVERT LEVEL FOR SANITARY CONNECTION.
- 11. DEMOLISH FILTERED/TREATED/RO WATER PIPING BACK TO MAIN AND CAP ABOVE CEILING.



MALLORY L. P. ANDERSON

NUMBER

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nsulting

GNED BY:

McDonald's

— MIN. 2" FROM BOTTOM OF

DRAIN PIPE TO TOP OF

FLOOR SINK FLOOD LEVEL RIM

- RIM/FLANGE RAISED 1" A.F.F.

- DUCTILE IRON COVER

DOME STRAINER

NO-HUB CLAMP

CONTINUED TO

KITCHEN

FLASHING

CLAMP ----

DRAIN BODY

TRAP PRIMER

CONNECTION —

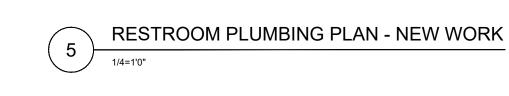
SANITARY RISER DIAGRAM

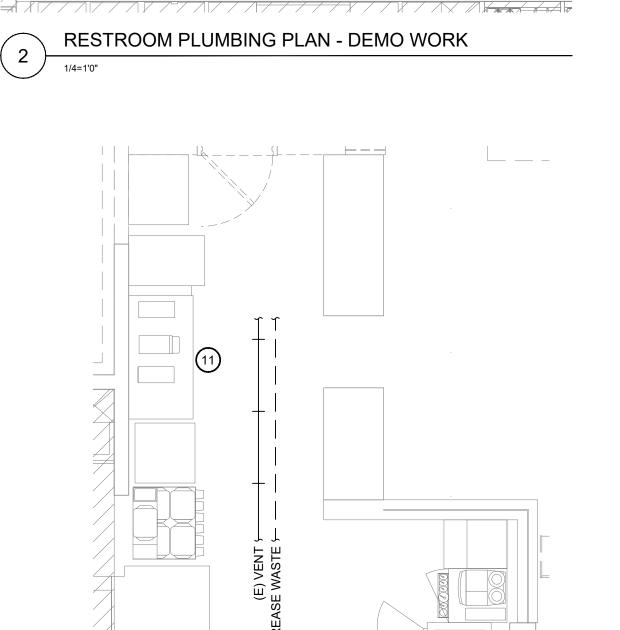
3" WASTE -

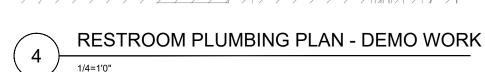
EQUIPMENT

FINISHED

LOOR SINK WITH AIR GAP DETAIL







- 1. THE ELECTRICAL CONTRACTOR (E.C.) SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM/INSTALLATION.
- MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA, OR ANOTHER RECOGNIZED TESTING LABORATORY.
- 4. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK.
- 5. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES, UTILITY COMPANIES, AND LOCAL CODE OFFICIALS, SHOP DRAWINGS AND/OR INSTALLATION DETAILS WHICH ARE REQUIRED BY THESE AGENCIES FOR THEIR APPROVAL.
- 6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER, AND PROJECT MANAGER IN WRITING OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES, OR REGULATIONS OF THE AUTHORITIES HAVING
- 7. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE FIRE PREVENTION BUREAU ALL DOCUMENTS, INCLUDING DRAWINGS AND SUBMITTALS, REQUIRED TO OBTAIN APPROVAL OF THE EMERGENCY LIGHTING, LIFE SAFETY, AND EXIT SIGN SYSTEM(S) FOR TYPES AND LOCATIONS. A COPY OF THE APPROVED DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- 8. ALL NEW ELECTRICAL WORK OR MODIFICATIONS TO EXISTING ELECTRICAL DISTRIBUTION PANELS, PANELBOARDS, METERS, ETC. SHALL BE INSTALLED AS INDICATED ON THE ELECTRICAL CONSTRUCTION DOCUMENTS. E.C. SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT TO BE INSTALLED INDICATING FLOOR PLAN LAYOUT, ELEVATIONS, AND ALL DIMENSIONS FOR APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION. CODE REQUIRED CLEARANCES IN FRONT OF ALL ELECTRICAL EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES
- 9. THE CONTRACTOR SHALL INCLUDE IN BID AN ALLOWANCE FOR THE FOLLOWING ADDITIONAL LIFE SAFETY DEVICES, INCLUDING INSTALLATION AND ALL CONDUIT AND WIRE, FOR ADDITIONAL DEVICES AS MAY BE REQUIRED BY THE REVIEW OF THE AUTHORITY HAVING JURISDICTION.
 - (2) EXIT SIGN FIXTURES (2) EMERGENCY LIGHTING FIXTURES
 - CONTRACTOR SHALL PROVIDE A UNIT PRICE FOR EACH FOR QUANTITY ADJUSTMENT.
- 10. THE CONTRACTOR SHALL INCLUDE IN BID ELECTRICAL UNIT PRICES (EUP) TO PROVIDE ADDITIONAL LIFE SAFETY DEVICES WITHIN FINISHED CEILING SYSTEMS, INCLUDING ALL CONDUIT AND WIRE, FOR EACH TYPE OF DEVICE AS SCHEDULED IN NOTE NUMBER 9. THE UNIT PRICE SHALL INCLUDE ALL GENERAL CONTRACTOR ASSOCIATED COSTS TO INSTALL DEVICES WITHIN
- INSTALLED CEILING SYSTEMS. 11. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, MAKE A SCHEDULED ARRANGEMENT WITH THE PROJECT MANAGER TO VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS AND LOCAL CONDITIONS RELATING TO THE

WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF

- THE CONTRACT. 12. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION. ALL COSTS FOR ESTABLISHING AND REMOVING TEMPORARY POWER SHALL BE INCLUDED IN BID.
- 13. THE EXISTING POWER, SIGNAL, AND COMMUNICATIONS SYSTEMS ARE TO REMAIN IN SERVICE TO PROVIDE FOR THE OWNER'S EXISTING FUNCTIONS. SHOULD IT BECOME NECESSARY TO SHUT-DOWN ANY SYSTEM OR PORTION OF A SYSTEM, APPROVAL IN WRITING MUST BE OBTAINED FROM THE PROJECT MANAGER AND SHALL BE ONLY FOR THE PERIOD AND TIME AGREED UPON. THE BID IS TO INCLUDE THE COST OF ANY TEMPORARY WIRING AND PREMIUM TIME REQUIRED FOR THE SHUTDOWN.
- 14. ALL MATERIALS AND EQUIPMENT SHALL BE ERECTED, INSTALLED, TOOLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS
- 15. ALL CUTTING, DRILLING, AND PATCHING OF MASONRY, DRYWALL, CONCRETE, STEEL, OR IRON WORK BELONGING TO THE BUILDING SHALL BE DONE BY THIS CONTRACTOR IN ORDER THAT WORK MAY BE PROPERLY INSTALLED. UNDER NO CONDITIONS MAY STRUCTURAL WORK BE CUT, EXCEPT AT THE DIRECTION OF THE ARCHITECT/ENGINEER OR THEIR REPRESENTATIVE.
- 16. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS, AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS (FOR EXAMPLE ALL LIGHTING FIXTURES). PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
- 17. SUBMIT FOUR (4) COPIES OF THE FOLLOWING SHOP DRAWINGS FOR REVIEW:
 - A. LIGHTING FIXTURES AND LAMPS B. WIRING DEVICES
 - C. LOW VOLTAGE RELAYS AND SWITCHES E. DIMMERS AND CONTROLS
- 18. CONTRACTOR SHALL PROVIDE "AS-BUILT" DOCUMENTATION AND HARD COPY REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMIT TO THE ARCHITECT AND THE ENGINEER. AS-BUILT DRAWINGS SHALL INDICATE EXACT CIRCUIT NUMBERS, LOCATIONS OF ALL DEVICES, CEILING FIXTURES, AND RACEWAY FOR LIGHTING, TELECOMMUNICATIONS AND POWER DISTRIBUTION SYSTEMS AS INSTALLED.
- 19. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW AND OF COMMERCIAL GRADE UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED ON DRAWINGS.
- 20. EXCEPT AS NOTED OTHERWISE, ALL WORK REQUIRED FOR THE ELECTRICAL INSTALLATION AS SHOWN ON DRAWINGS SHALL INCLUDE ALL LABOR, INSTALLATION METHODS, EQUIPMENT, AND MATERIALS AND SHALL BE IN STRICT COMPLIANCE WITH ALL BUILDING STANDARDS.
- 21. PROVIDE A COMPLETE METAL RACEWAY SYSTEM, FITTINGS AND ENCLOSURES FOR ALL ELECTRICAL WIRING SYSTEMS TO BE INSTALLED FOR THE PROJECT. SYSTEMS SHALL INCLUDE, BUT NOT BE LIMITED TO POWER, COMMUNICATIONS, SECURITY, PAGING, TEMPERATURE CONTROL AND CONTROLS.
- 22. ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND NEC 110.3..
- UNLESS OTHERWISE INDICATED AND/OR REQUIRED BY CODE. 24. FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH
- FLEXIBLE STEEL CONDUIT, 1/2 INCH MINIMUM, INCLUDING AN INSULATED COPPER GREEN EQUIPMENT GROUNDING CONDUCTOR OR SHALL BE MADE WITH METAL CLAD TYPE CABLE.

23. MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH FOR GENERAL LIGHTING AND POWER CIRCUITRY

- 25. THE ELECTRICAL CONTRACTOR SHALL TAG EACH CIRCUIT CONDUCTOR AT EACH JUNCTION BOX, OUTLET, SWITCH, ETC. WITH THE CORRESPONDING PANEL AND BRANCH CIRCUIT DESIGNATION.
- 26. WIRE NUMBER 8 AND SMALLER FOR USE IN INTERIOR DRY LOCATIONS SHALL BE TYPE THWN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS. FEEDERS AND POWER WIRING NUMBER 6 AND LARGER SHALL BE TYPE THW 600 VOLT INSULATED COPPER. WIRE WHICH IS INSTALLED IN RACEWAY IN MOIST OR DAMP LOCATIONS SHALL BE THW, 600 VOLT INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NUMBER 12 AWG SHALL BE USED FOR LIGHTING OR POWER
- 27. BRANCH CIRCUIT HOMERUN WIRING:
 - A. GENERAL PURPOSE BRANCH CIRCUIT HOMERUNS CONSISTING OF TWO NETWORKS SHALL HAVE PHASE, NEUTRAL AND GROUND CONDUCTORS INCREASED TO NUMBER 10 AWG, THWN AS A MINIMUM. WHERE HOMERUN (ONE OR MORE NETWORKS) EXCEEDS 100 LINEAR FEET, CONDUCTOR SIZE SHALL BE INCREASED ONE TRADE
 - B. ALL BRANCH CIRCUITS, FEEDERS, AND HOMERUNS SHALL BE PROVIDED WITH AN INSULATED COPPER GREEN GROUNDING CONDUCTOR ROUTED IN THE SAME CONDUIT. GROUNDING CONDUCTOR SHALL BE SIZED PER THE REQUIREMENTS OF NEC SECTION 250.
 - C. HOMERUN LENGTH SHALL BEGIN AT THE CENTRAL POINT OF ALL DISTRIBUTED CIRCUITS TO THE PANELBOARD CIRCUIT BREAKER.

- 28. ALL NEW CIRCUIT BREAKERS FOR EXISTING PANELBOARDS AND DISTRIBUTION PANELBOARDS SHALL MATCH EXISTING BUILDING PANELBOARD MANUFACTURER AND CIRCUIT BREAKER TYPE ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE. AIC RATING OF NEW CIRCUIT BREAKER SHALL MATCH AIC RATING OF PANELBOARD IN WHICH IT IS INSTALLED. WHERE SERIES RATED TYPE CIRCUIT BREAKERS ARE USED, NEW CIRCUIT BREAKERS SHALL BE INSTALLED SO AS TO MAINTAIN THE UL SERIES RATING OF THE ENTIRE SYSTEM. THE CONTRACTOR SHALL PROVIDE A NEW TYPEWRITTEN PANEL DIRECTORY FOR EACH PANEL CHANGED AT THE COMPLETION OF THE PROJECT. EACH CIRCUIT BREAKER SHALL BE LABELED TO IDENTIFY LOAD TYPE AND
- 29. THE CONTRACTOR SHALL VERIFY THE CEILING CONSTRUCTION TYPE WITH ARCHITECTURAL DETAILS BEFORE ORDERING LIGHTING FIXTURES IN ORDER TO CONFIRM PROPER MOUNTING.
- 30. EACH SWITCH, LIGHT, RECEPTACLE, OR OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR SHERARDIZED PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE. OF NOT LESS THAN NUMBER 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS SHALL BE LEFT SEALED. THERE SHALL BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
- 31. NOT USED
- 32. IN SUSPENDED CEILINGS, SUPPORT CONDUITS AND JUNCTION BOXES DIRECTLY FROM THE STRUCTURAL SYSTEM, DECK OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SUPPORT WIRES OR SPLINE UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE AND APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND THE ENGINEER.
- 33. E.C. SHALL PROVIDE "3M" FIRESEAL SYSTEMS FOR ALL CORES AND RACEWAY PENETRATIONS IN FIRE RATED WALLS AND PARTITIONS. FIRE RATE WALL AND CEILING PENETRATIONS, ETC. USING "CP-25" CAULK, "303" PUTTY AND/OR "FLAMESEAL" PUTTY AS PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN EXISTING AND NEW FIRE RATINGS. VERIFY FIRE RATING CONDITIONS AND LOCATIONS PRIOR TO FINAL BIDS. ALL OPEN SLEEVE PENETRATIONS SHALL BE FIRESEALED INSIDE AND OUTSIDE BY E.C. AFTER ALL CABLING IS COMPLETELY INSTALLED SEALING METHODS SHALL BE PROVIDED BY E.C. AND SHALL BE SUBJECT TO THE APPROVAL OF THE CABLING CONTRACTOR.
- 34. ALL MATERIALS USED ON THIS PROJECT SHALL BE LISTED AND BEAR THE LABEL OF UNDERWRITERS LABORATORIES AND APPROVED FOR ITS INTENDED USE.
- 35. ALL RACEWAYS AND CONDUITS SHALL HAVE A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR COLOR GREEN, SIZED IN CONFORMITY WITH NEC 250.122.
- 36. NUMBERED CIRCUITS SHOWN ON PLAN ARE FOR THE CONVEYANCE OF DESIGN INTENT ONLY. ACTUAL FIELD CONDITIONS WILL AFFECT CIRCUITRY. INDICATE THE ACTUAL CIRCUIT NUMBERS INSTALLED ON THE "AS-BUILT" DRAWINGS.
- BUILDING STANDARDS
- A. ALL NEW CONDUIT RACEWAYS AND BOXES FOR ALL SYSTEMS SHALL BE INSTALLED TIGHT-UP TO THE BOTTOM OF THE STRUCTURAL BEAMS WHERE REQUIRED AND PROPERLY SUPPORTED FROM STRUCTURAL MEMBERS.
- B. ALL NEW CONDUIT RUNS SHALL BE INSTALLED ABOVE AND OVER THE TOP OF ALL NEW AND/OR EXISTING DUCTWORK, PIPING, CONDUITS, PULLBOXES, ETC. E.C. SHALL PROVIDE ALL NECESSARY ACCESSIBLE PULLBOXES. CONDUIT BENDS SHALL NOT EXCEED CODE REQUIREMENTS WITHIN A SINGLE RUN. E.C. SHALL PROVIDE ALL PULLBOXES AS REQUIRED.
- C. NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BE INSTALLED LESS THAN 2 INCHES ABOVE RECESSED LIGHTING FIXTURES UNLESS APPROVED BY THE ENGINEER.
- D. NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BLOCK OR PREVENT FULL AND COMPLETE ACCESS AND OPERATION OF NEW OR EXISTING HVAC EQUIPMENT, ACCESS DOORS, PIPING VALVES, JUNCTION BOXES, DUCT HEATERS, MAIN SUPPLY AND RETURN AIR DUCTS, PULLBOXES, CLEANOUTS, ETC.
- E. NEW CONDUIT AND PULLBOXES TO BE INSTALLED BELOW NEW OR EXISTING DUCTWORK SHALL BE MOUNTED TIGHT UP TO BOTTOM OF DUCT WITH 90 DEGREE BENDS UP SIDEWALL OF DUCT TO MEET REQUIREMENTS OF LETTER C ABOVE. SUPPORTS SHALL NOT PENETRATE DUCTWORK, AND SHALL BE INDEPENDENT OF ALL DUCTWORK SUPPORTS. DIRECT CONTACT OF CONDUIT RACEWAY SYSTEMS WITH DUCTWORK OR PIPING SHALL BE PROVIDED WITH VIBRATION SEPARATION METHOD APPROVED BY THE ENGINEER.
- F. NEW CONDUIT AND BOXES TO BE INSTALLED WITHIN ALL EXISTING FINISHED BUILDING DRYWALL, FURRED BUILDING WALLS, PARTITIONS, AND COLUMNS SHALL BE INSTALLED WITH EMT AND FLEXIBLE RACEWAYS NOT MORE THAN 6'-0" LONG. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL COSTS FOR DRYWALL ACCESS, CUTTING, PATCHING, PAINTING, ETC. IN BIDS FOR SUCH CONDITIONS. FIELD VERIFY ALL LOCATIONS ON SITE PRIOR TO FINAL BIDS. EXCEPTIONS DURING BIDS SHALL BE SUBMITTED IN WRITING.
- G. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE HELD RESPONSIBLE TO HAVE EXAMINED THE CONSTRUCTION SITE WITH RESPECT TO CONSTRUCTION DRAWINGS, ACTUAL FIELD CONDITIONS, DOOR FRAME HEIGHTS, PIPING OBSTRUCTIONS, DUCTWORK HEIGHTS AND LEVELS, FLOOR LEVELS, CEILING HEIGHTS, ETC. PRIOR TO FINAL BIDS.
- H. ALL NEW BUILDING STANDARD EQUIPMENT, DEVICES, AND MATERIALS SHALL BE EQUAL TO OR GREATER IN QUALITY TO EXISTING APPROVED BUILDING STANDARD MATERIALS PRESENTLY INSTALLED IN BUILDING. EQUIPMENT, DEVICES, AND MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, PROJECT MANAGER, AND THE ENGINEER. I. ALL EMERGENCY AND EXIT SIGN JUNCTION BOXES SHALL BE PAINTED RED. PANEL TAG
- J. ALL JUNCTION BOXES SERVING LIGHTING AND POWER SHALL HAVE CIRCUIT NUMBERS AND PANEL TAGS FOR ALL WIRING WITHIN JUNCTION BOX INDICATED ON COVERS.

AND CIRCUIT NUMBER FOR ALL WIRING WITHIN JUNCTION BOX SHALL BE INDICATED ON

- 38. A NEW PANELBOARD COPPER GROUND BUS SHALL BE INSTALL FOR EQUIPMENT GROUNDING REQUIREMENTS FOR ALL PANELBOARDS LACKING A GROUND BUS.
- 39. PERFORM ALL WORK OF A DEMOLITION NATURE THAT MAY BE REQUIRED OR NECESSARY FOR THE FULL AND COMPLETE EXECUTION OF THE WORK, WHETHER EXPLICITLY SHOWN AND/OR SPECIFIED OR NOT. EXACT EXTENT OF DEMOLITION WILL NOT BE FULLY INDICATED BY DRAWINGS. DETERMINE THE NATURE AND EXTENT OF DEMOLITION THAT WILL BE NECESSARY BY COMPARING THE CONTRACT DOCUMENTS WITH ARCHITECTURAL AND DEMOLITION DRAWINGS TO EXISTING CONDITIONS. ELECTRICAL EQUIPMENT WHICH WILL NOT BE REUSED SHALL BE TURNED OVER TO THE OWNER OR REMOVED FROM THE PREMISES AS DETERMINED BY THE PROJECT MANAGER.
- 40. ANY EXISTING ELECTRICAL MATERIAL AND EQUIPMENT WHICH INTERFERES WITH THE NEW ADDITION OR THE REMOVAL OF EXISTING WALLS SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR. VERIFY REMOVAL AND NEW LOCATION OF EQUIPMENT WITH THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER PRIOR TO WORK.
- 41. VERIFY CLEARANCES FOR ALL NEW OR EXISTING RELOCATED ELECTRICAL WORK BEFORE PROCEEDING WITH CONSTRUCTION. COORDINATE USAGE OF AVAILABLE SPACE WITH ALL TRADES. IN THE EVENT OF CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 42. WHERE EXISTING CONDUIT IS SHOWN ON THE DRAWINGS, IT IS SHOWN DIAGRAMMATICALLY. THE EXACT ROUTING OF THE EXISTING CONDUIT SHALL BE DETERMINED ON THE JOB SITE BY THE CONTRACTOR.
- 43. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS UNDER WHICH HE IS TO PERFORM HIS WORK. NO ALLOWANCE WILL BE MADE FOR FAILURE TO COMPLY.
- 44. ALL HANGER AND/OR ROD SUPPORT SYSTEMS SHALL BE SUPPORTED TO THE BOTTOM RIB OF THE METAL DECK, WHERE APPLICABLE.
- 45. PROVIDE A WRITTEN GUARANTEE THAT THE ELECTRICAL INSTALLATION IS FREE FROM MECHANICAL AND ELECTRICAL DEFECTS. CONTRACTOR AT THEIR COST SHALL REPLACE AND/OR REPAIR, TO THE SATISFACTION OF THE OWNER AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, ANY PARTS OF THE INSTALLATION WHICH MAY FAIL WITHIN A PERIOD OF 12 MONTHS FROM CONSTRUCTION ACCEPTANCE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PROVIDED THAT SUCH FAILURE IS DUE TO DEFECTS IN MATERIAL, WORKMANSHIP, OR FAILURE TO FOLLOW THE SPECIFICATIONS, MANUFACTURER'S INSTALLATION INSTRUCTIONS AND/OR DRAWINGS.

- 46. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROPERLY SIZED WALL OR MILLWORK MOUNTED BOXES, RINGS, SUPPORTS, AND DEVICES AS REQUIRED VIA COORDINATION WITH
- ARCHITECTURAL WALL SECTIONS, AND MILLWORK DETAILS. 47. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE DRAWINGS. WHERE MORE STRINGENT REQUIREMENTS THAN THOSE DESCRIBED HEREIN OR AS SET FORTH UNDER CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING
- JURISDICTION, THOSE GREATER REQUIREMENTS SHALL BE ADHERED TO 48. ALL NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH AN INTEGRAL EMERGENCY BACKUP BALLAST TO ILLUMINATE THE FIXTURES IN THE EVENT OF A POWER FAILURE. ALL COMPONENTS SHALL BE IN COMPLIANCE WITH NFPA 101 AND NFPA 70 SECTION 700. BALLAST BATTERY SHALL MAINTAIN 87.5% OF THE NOMINAL BATTERY VOLTAGE AFTER 1.5 HOURS TO COMPLY WITH NEC SECTION 700 AND UL 924.
- 49. IDENTIFICATION OF ELECTRICAL ITEMS A. PROVIDE PERMANENT IDENTIFICATION MARKING AND NAMEPLATES FOR ALL CONDUCTORS AND EACH ITEM OF ELECTRICAL APPARATUS AND ASSOCIATED CONTROLLED EQUIPMENT, WITH THE SAME INSCRIPTIONS AS SHOWN ON THE DRAWINGS. ALL IDENTIFICATION MARKINGS
- SHALL BE CLEARLY AND NEATLY APPLIED. B. APPLY ENGRAVED PLASTIC LAMINATE NAMEPLATES WITH NON-CORRODING TYPE SCREW FASTENERS OR RIVETS TO ALL MOTOR STARTERS, DISCONNECT SWITCHES, RELAYS, REMOTE CONTROL PANELS, PUSH BUTTON STATIONS, PANELBOARDS, SWITCHBOARDS, TRANSFORMERS, AND OTHER ELECTRICAL APPARATUS. NAMEPLATES SHALL BE WHITE WITH BLACK CORE, 1 1/4" X 3" MINIMUM WITH 3/16" HIGH LETTERING. THE NAMEPLATE SHALL IDENTIFY: NAME OF DEVICE OR
- LOAD THE DEVICE IS SERVING C. PROVIDE A TYPEWRITTEN DIRECTORY OF CIRCUITS IN LIGHTING AND POWER PANELS AND PROVIDE PANEL IDENTIFICATION IN BLACK ALKYD PAINT STENCILED INSCRIPTIONS ON THE INSIDE OF THE DOOR, DIRECTLY ABOVE THE CENTERLINE OF THE DIRECTORY FRAME, OR ON THE VERTICAL AND HORIZONTAL CENTERLINE OF DOORS WITHOUT DIRECTORY FRAMES. D. PROVIDE ON DEVICE PLATES FOR LOCAL TOGGLE SWITCHES, TOGGLE SWITCH MANUAL

STARTERS, PILOT LIGHTS AND OTHER ELECTRICAL ITEMS, WHOSE FUNCTION IS NOT READILY

APPARENT, ENGRAVED SUITABLE INSCRIPTIONS OR PLASTIC LAMINATE NAMEPLATES DESCRIBING THE EQUIPMENT CONTROLLED OR INDICATED E. EMBOSSED SELF-ADHERING PLASTIC TAPE LABELS WILL NOT BE ACCEPTED. 50. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL EXISTING OR NEW NON-ACCESSIBLE SYSTEM DEVICES, PULLBOXES, AND EQUIPMENT, ETC. FOR RELOCATION TO ACCESSIBLE CEILING AREAS.

E.C. SHALL INCLUDE ALL COMPLETE COSTS FOR RELOCATION AND VERIFY SUCH CONDITIONS

51. EXISTING CONDITIONS OF ALL EXISTING BUILDING EQUIPMENT, DEVICES, FIXTURES, AND SYSTEMS THAT REQUIRE REWIRING. REUSE. RELOCATION. OR REFURBISHING AS PER DRAWINGS AND SPECIFICATIONS SHALL BE FIELD VERIFIED BY THE E.C. PRIOR TO COMMENCEMENT OF ANY WORK TO BE COMPLETELY OPERATIONAL. E.C. SHALL SUBMIT A WRITTEN STATEMENT AND ITEMIZED LISTING OF ALL EXISTING CONDITIONS OF THE FOLLOWING, ALTHOUGH NOT LIMITED TO THOSE LISTED:

WITH ARCHITECTURAL CEILING PLANS PRIOR TO FINAL BIDS.

- A. HVAC EQUIPMENT
- B. EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES
- C. LIFE SAFETY/FIRE ALARM SYSTEM DEVICES D. LIGHTING AND RECEPTACLE DEVICES.
- THE WRITTEN STATEMENT SHALL BE SUBMITTED TO THE PROJECT MGR., ARCHITECT, AND ENGINEER PRIOR TO WORK. IN THE EVENT THAT THE CONTRACTOR COMMENCES WORK WITHOUT SUBMITTAL, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY AND COST TO MAINTAIN THE ABOVE IN GOOD WORKING ORDER AND CONDITION.
- 52. E.C. SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL ELECTRICAL
- 53. E.C. SHALL REFER TO MECHANICAL AND PLUMBING ENGINEERING DRAWINGS FOR EXACT LOCATIONS OF ALL ELECTRICAL EQUIPMENT.
- 54. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION) AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION. THE SPECIFICATION, CODES AND STANDARDS LISTED BELOW ARE UTILIZED IN THIS PROJECT:
 - NATIONAL ELECTRICAL CODE (NFPA-70) CODE FOR SAFETY TO LIFE (NFPA-101) STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE
- UNDERWRITERS' LABORATORIES (UL) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- FEDERAL SPECIFICATION (FED. SPEC.) INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
- 9. INTERNATIONAL BUILDING CODE (IBC, AS AMENDED) 10. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
- 11. CITY OF COLUMBIA BUILDING CODE. (AMENDMENTS TO THE INTERNATIONAL BUILDING CODE)
- 12. ADDITIONALLY, DESIGNS, WORK PRACTICES AND CONDITIONS MUST CONFORM WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA)

EXISTING INFORMATION NOTE:

THE CONTRACTOR SHALL VISIT THE SITE TO UNDERSTAND THE NATURE AND SCOPE OF ALL WORK TO BE PERFORMED AND VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID. ANY CHANGES REQUIRED DUE TO INCORRECT EXISTING INFORMATION WILL BE THE CONTRACTOR'S RESPONSIBILITY.

ADA NOTE:

LIGHT SWITCHES, ELECTRICAL OUTLETS, AND OTHER ENVIRONMENTAL CONTROLS SHALL HAVE OPERABLE PARTS OF THE CONTROLS LOCATED NO HIGHER THAN 48", AND NO LOWER THAN 15", ABOVE THE FLOOR. IF THE REACH IS OVER AN OBSTRUCTION BETWEEN 20" AND 25" IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44" FOR FORWARD APPROACH, OR 46" FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24" IN DEPTH. OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25" FROM THE WALL BENEATH A CONTROL.

DEMOLITION NOTES:

REFER TO ARCHITECTURAL DRAWINGS TO VERIFY EXTENT OF DEMOLITION. ALL ELECTRICAL WORK IN NATURE, ie, REMOVING, RELOCATING, RECONNECTION, ETC. CAUSED BY THIS DEMOLITION SHALL BE DEEMED PART OF THE ELECTRICAL CONTRACTOR'S CONTRACT.

ELECTRICAL SCOPE OF WORK:

- 1. REPLACE EXISTING LIGHTING AT DINING AREA, RESTROOM. SERVICE AREA AND PART OF KITCHEN.
- 2. RELOCATION OF ORB MONITOR.
- 3. RENOVATION OF P.O.S. COUNTER AND DIGITAL MENU BOARD.

DRAWING INDEX:

- ELECTRICAL SYMBOLS, ABBREVIATIONS, DRAWING INDEX, E1.0 AND SPECIFICATIONS
- ELECTRICAL LIGHTING PLAN
- ELECTRICAL POWER PLAN

ABBREVIATIONS ABOVE COUNTER AMPERE FRAME OR FUSE AFCI ARC FAULT CIRCUIT INTERRUPTER ABOVE FINISHED FLOOR AFS AUTOMATIC FIRE SPRINKLER AMPS INTERRUPTING CAPACITY RATING AMP. A AMPERES APPR APPROVED AMPERE SWITCH RATING AMPERE TRIP RATING OF BREAKER AUTOMATIC AUTOMATIC TRANSFER SWITCH AWG AMERICAN WIRE GAUGE BELOW FINISHED CEILING BUILDING MANAGEMENT SYSTEM BREAKER CONDUIT COMPACT LED CIRCUIT CKT CNTRL CONTROL CARBON MONOXIDE CURRENT TRANSFORMER COPPER COLD WATER PIPE DEF DEFROST DISC DISCONNECT DIST DISTRIBUTION DWG DRAWING ELECTRICAL CONTRACTOR EDF ELECTRIC DRINKING FOUNTAIN EVENING LIGHT ELEV ELEVATION EMERGENCY LIGHT EMERG EMERGENCY END OF LINE RESISTOR

EQPT EQUIPMENT EXHAUST **EXISTING** FUTURE FIRE ALARM ANNUNCIATOR FACP FIRE ALARM CONTROL PANEL FINISHED FLOOR

FINISHED GRADE FLEX FLEXIBLE FLUOR GFCI GROUND FAULT CURRENT INTERRUPTER GND GROUND HORSE POWER HERTZ INCANDESCENT

SHORT CIRCUIT CURRENT ISOL ISOLATED THOUSAND CIRCULAR MILS KILOVOLTS

KILOWATTS kVA KILOVOLT AMPERES LIGHT, LIGHTS LT, LTS LIGHTING MAXMAXIMUM MCB MAIN CIRCUIT BREAKER

MCC MOTOR CONTROL CENTER MLO MAIN LUG ONLY MPOE MAIN POINT OF ENTRY MS MOTION SENSOR MSB MAIN SWITCHBOARD

MTMB MAIN TELEPHONE MOUNTING BOARD NEC NATIONAL ELECTRICAL CODE NATIONAL ELECTRIC MANUFACTURER ASSOCIATION NEMA NOT IN ELECTRICAL SECTION OF NIES THESE PLANS & SPECIFICATIONS

N.I.C. NOT IN CONTRACT NIGHT LIGHT NOT TO SCALE NT ON CENTER OFCI OWNER FURNISHED CONTRACTOR INSTALLED OVERLOAD OL

PΒ PULLBOX PFB PROVIDE FOR FUTURE BREAKER PIVPOST INDICATOR VALVE PNL PANEL PVC POLYVINYL CHLORIDE PWR POWER RCP REFLECTED CEILING PLAN RECPT RECEPTACLE REQD REQUIRED

SHLD SHIELDED SHT SHEET SPECS **SPECIFICATIONS** SWITCH SW SYM SYMMETRICAL TEMP **TEMPERATURE** TOF TIMED OFF DELAY

UGPS

WPL

XFMR

TAMPER SWITCH TSTAT THERMOSTAT TRANSIENT VOLTAGE SURGE SUPPRESSION TVSS TYP TYPICAL UBC UNIFORM BUILDING CODE

WEATHERPROOF LOCKING

UNDERGROUND PULL SECTION

UNO UNLESS NOTED OTHERWISE UPS UNINTERRUPTABLE POWER SUPPLY VFD VARIABLE FREQUENCY DRIVE VOLTS WATTS WEATHERPROOF

TRANSFORMER

ELECTRICAL SYMBOL LEGEND:

(NOT ALL SYMBOLS SHOWN MAY BE USED)

¬ 2'X4' LED LIGHT FIXTURE — RECESSED

2'X4' LED LIGHT FIXTURE - RECESSED WITH INTEGRAL BATTERY PACK FOR EMERGENCY OPERATION

1'X4' LED LIGHT FIXTURE - SURFACE MOUNTED

1'X4 LED LIGHT FIXTURE — SURFACE MOUNTED WITH INTEGRAL BATTERY PACK FOR EMERGENCY OPERATION 4' LED LIGHT FIXTURE - WALL MOUNTED

4' LED STRIP LIGHT - SURFACE MOUNTED

CEILING LIGHT FIXTURE — SURFACE/RECESSED MOUNTED

○ LIGHT FIXTURE — WALL MOUNTED

SINGLE HEAD SITE LIGHTING FIXTURE - POLE MOUNTED → TWIN HEAD SITE LIGHTING FIXTURE - POLE MOUNTED

▼ FLOODLIGHT FIXTURE - GROUND MOUNTED

EXIT LIGHT - CEILING OR WALL MOUNTED WITH ARROWS AS SHOWN

EMERGENCY LIGHTING FIXTURE - SURFACE MOUNTED

SINGLE RECEPTACLE. MOUNT AT 18" A.F.F. TO CENTER OF RECEPTACLE. U.N.O.

DUPLEX CONVENIENCE OUTLET. MOUNT AT 18" A.F.F. TO CENTER OF

DUPLEX CONVENIENCE OUTLET WITH USB OUTLETS. MOUNT AT 18" A.F.F. TO CENTER OF RECEPTACLE. U.N.O.

TO CENTER OF RECEPTACLE. U.N.O. DUPLEX CONVENIENCE OUTLET, ISOLATED GROUND, MOUNT AT 18"

DUPLEX CONVENIENCE OUTLET, SPLIT WIRED, MOUNT AT 18" A.F.F.

A.F.F. TO CENTER OF RECEPTACLE. U.N.O. DUPLEX CONVENIENCE OUTLET MOUNTED ABOVE COUNTERHEIGHT. MOUNT BOTTOM OF J-BOX AT +44" A.F.F.

FOURPLEX RECEPTACLE, MOUNT AT 18" A.F.F. TO CENTER OF RECEPTACLE. U.N.O.

FLUSH FLOOR SINGLE OUTLET WITH BRASS COVERPLATE, U.N.O.

FLUSH FLOOR DOUBLE OUTLET WITH BRASS COVERPLATE, U.N.O

SPECIAL-PURPOSE RECEPTACLE. COORDINATE IN FIELD WITH EQUIPMENT INSTALLER FOR ADDITIONAL REQUIREMENTS AND NEMA

FLUSH FLOOR QUAD OUTLET WITH BRASS COVERPLATE, U.N.O.

JUNCTION BOX, IN ACCESSIBLE LOCATION. SIZE AND AND TYPE AS INDICATED OR AS REQUIRED

SINGLE POLE SWITCH. MOUNT BOTTOM OF BOX AT +46" A.F.F.,

THREE-WAY SWITCH. MOUNT BOTTOM OF BOX AT +46" A.F.F.,

U.N.O. \$ Sm H.P./MOTOR RATED SWITCH.

DIMMER SWITCH. MOUNT BOTTOM OF BOX AT +46" A.F.F., U.N.O.

\$ DUAL TECHNOLOGY WALL MOUNTED OCCUPANCY SENSOR.

DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR.

TELEPHONE OUTLET WITH PULL STRING IN EMPTY 3/4"C. 4" SQ. BOX WITH SINGLE DEVICE RING AND PLATE. MOUNT AT 18" A.F.F. TO CENTER OF OUTLET. U.N.O.

DATA OUTLET WITH PULL STRING IN EMPTY 3/4"C, 4" SQ. BOX WITH SINGLE DEVICE RING AND PLATE. MOUNT AT 18" A.F.F. TO CENTER OF OUTLET. U.N.O.

COMBINATION TELEPHONE/DATA WITH PULL STRING IN EMPTY 3/4"C,

4" SQ. BOX WITH SINGLE DEVICE RING AND PLATE. MOUNT AT 18" A.F.F. TO CENTER OF OUTLET. U.N.O.

TELEVISION OUTLET WITH PULL STRING IN EMPTY 3/4"C, 4" SQ. BOX WITH SINGLE DEVICE RING AND PLATE. MOUNT BOTTOM OF J-BOX AT 16" A.F.F., U.N.O.

PANELBOARD - SURFACE MOUNTED - SEE SCHEDULE PANELBOARD - FLUSH MOUNTED - SEE SCHEDULE

DISCONNECT SWITCH -A = FRAME SIZE, B = FUSE SIZE (NEMA 3R WHERE LOCATED OUTSIDE).

MOTOR CONTROLLER - FURNISHED AND INSTALLED BY ELECTRICAL

COMBINATION DISCONNECT SWITCH AND MOTOR CONTROLLER -

FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

CONTRACTOR. SIZE FOR EQUIPMENT CONTROLLED OR AS PER

MOTOR, CONNECT AS REQUIRED — SIZE AS INDICATED IN DRAWINGS. --- CONDUIT RUN CONCEALED BELOW FLOOR OR FINISHED GRADE

—— CONDUIT CONCEALED IN CEILING OR WALL

---, HOMERUN TO RESPECTIVE PANEL - UNDERGROUND. HOMERUN TO RESPECTIVE PANEL - OVERHEAD.

BRANCH CIRCUIT/HOMERUN HASH MARKS INDICATE NUMBER OF CONDUCTORS. NO HASH MARKS INDICATES 2 #12 AWG, 1 #12 BOND,

CONDUIT RISER - UP OR DOWN

↑ 1/2" CONDUIT.

S SPEAKER, CEILING MOUNTED.

PHOTOCELL CONTROLLER "TORK" 2100 SERIES. MOUNTED ON ROOF, FACING NORTH.

TIME CLOCK "TORK" #DZS200BP, NEMA 3R.

LIGHTING CONTACTOR, 20A ELECTRICALLY HELD 120V COIL IN NEMA 1 ENCLOSURE. (WEATHERPROOF WHERE LOCATED OUTSIDE)

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MICHAEL UGUSTINE McGUIRE NUMBER E-2016010968

H2DC PLLC MO CoA#: 2017002700 Electrical Only

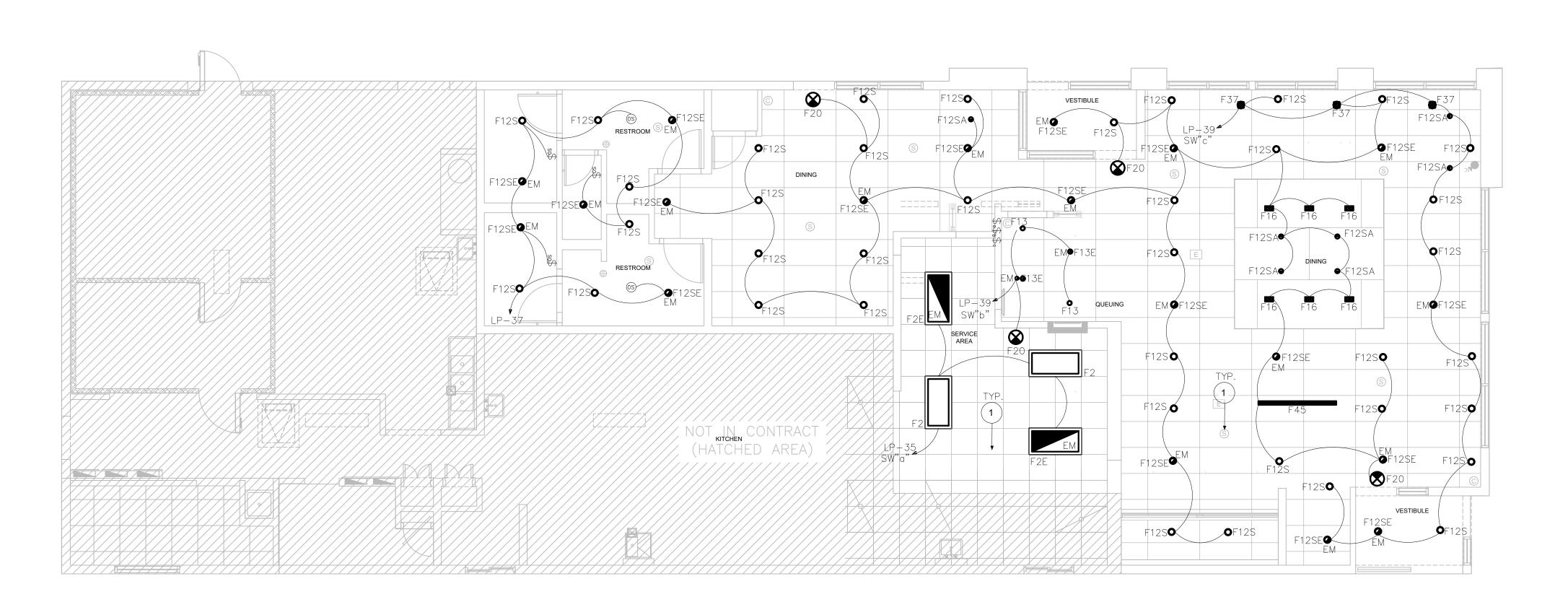
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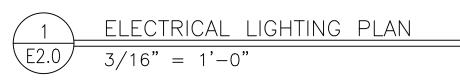
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GENERAL NOTES

- A. FLOOR, WALL AND CEILING PENETRATIONS MUST BE SEALED WITH A FIRE STOPPING SYSTEM, APPROPRIATE TO THE PENETRATED FLOOR OR WALL TYPE, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. CIRCUIT CONDUIT AND RACEWAY SHALL BE CONCEALED IN WALL OR CEILING.
- C. CONTRACTOR SHALL VERIFY THAT THE
 ADDITIONAL CIRCUIT LOAD DOES NOT EXCEED
 THE RATED CAPACITY FOR EACH EXISTING
 CIRCUIT. IF THE LOAD ON A BRANCH CIRCUIT
 IS EXCEEDED, THE CONTRACTOR SHALL USE A
 SPARE OR A SPACE IN THE PANEL OR IN
 ANOTHER PANEL.
- D. THE REQUIRED LIGHTING CONTROLS SHALL BE LOCATED WITHIN THE AREA SERVED BY THE CONTROLS OR BE A REMOTE SWITCH THAT IDENTIFIES THE LIGHTS SERVED AND INDICATES THEIR STATUS. (ANNUNCIATED LIGHT SWITCH DEVICE)
- E. E.C. SHALL COORDINATE EXACT LOCATION OF LIGHTING CONTROLS WITH MCDONALD'S CONSTRUCTION MANAGER PRIOR TO COMMENCEMENT OF WORK.
- F. CONNECT ALL EXIT SIGNS AND INVERTERS IN EMERGENCY LIGHTS AHEAD OF ANY LIGHTING CONTROL DEVICE.
- G. WIRE ALL LIGHTING BRANCH CIRCUITS THROUGH
 THE EXISTING TIME CLOCK/LIGHTING CONTROL
 PANEL

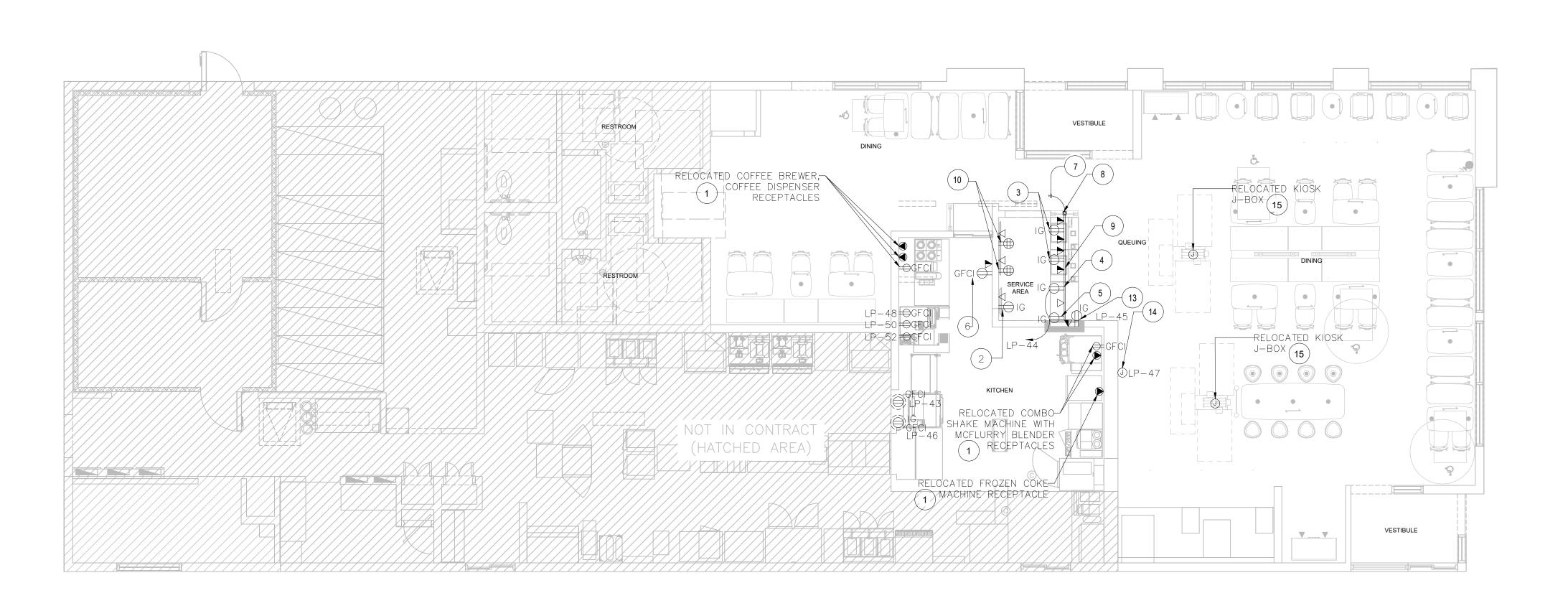
KEY NOTE

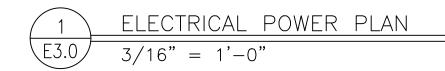
EXISTING DEVICE RELOCATED TO NEW LOCATION. INTERCEPT AND EXTEND EXISTING WIRING AND CONDUIT TO NEW LOCATION OF DEVICE AS INDICATED. RECONNECT FOR OPERATION.

			LIG	HTING FIXTURE SO	CHEDULE				
MARK	DESCRIPTION/ MANUFACTURER	LAMPS		MOUNTING	MANUFACTURER AND CATALOG NUMBER				
		WATTS	TYPE		CATALOG NOWBER				
F12S	SECURITY LIGHTING 6" LED DOWN LIGHT	12	LED	RECESSED	LB6LED10LDM-30K-9-SA/DBX-QLDM				
F12SE	SECURITY LIGHTING 6" LED DOWN LIGHT	12	LED	RECESSED	LB6LED10LDM-30K-9-WW-SA/DBX-QL WITH 90 MINUTE INTEGRAL INVERTER FOR EMERGENCY LIGHTING				
F12SA	SECURITY LIGHTING 6" LED ADJUSTABLE DOWNLIGHT	12	LED	RECESSED	LB6LED10LDM-35K-9-WW-SA/DBXQL WALL WASHER WITH SILVER TRIM				
F13	SECURITY LIGHTING 4" LED DOWNLIGHT	25	LED	RECESSED	LF4SL-4LFSL20L-30K-SP-DL-B24				
F13E	SECURITY LIGHTING 4" LED DOWNLIGHT	25	LED	RECESSED	LF4SL-4LFSL20L-30K-SP-DL-B24/LG125TXX WITH 90 MINUTE INTEGRAL INVERTER FOR EMERGENCY LIGHTING				
F16	CS ILLUMINATION RAY	25	LED	RECESSED	15 DEGREE: 4658-XFR12/XM20/15C-15C/30H/1100/BK/BK 25 DEGREE: 4658-XFR12/XM20/25C-15C/30H/1100/BK/BK				
F20	SECURITY LIGHTING	5	LED	SURFACE/CEILING	EVEURWE FIXTURE SHALL HAVE 90 MINUTE INTEGRAL BATTERY BACK-UP. PROVIDE DIRECTIONAL ARROW IF REQUIRED				
F37	SECURITY LIGHTING	20	LED	ICON PENDANT	F37A: MPG-A-35LM30-R-CBC F37B: MPG-B-35LM30-R-CBC				
F2	SECURITY LIGHTING GRID TROFFER	44	LED	2'X4' GRID TROFFER	# LCAT24-35HLG-EDU-WP-GK				
F2E	SECURITY LIGHTING GRID TROFFER	44	LED	2'X4' GRID TROFFER	# LCAT24-35HLG-EDU-WP-GK WITH LG125TXX WITH 90 MINUTE INTEGRAL INVERTER FOR EMERGENCY LIGHTING				
F45	SECURITY LIGHTING	20	LED	LINEAR LIGHT	MPG-48L-L40M30-Y-CBC MPG-72L-L40M30-Y-CBC				

sealed 14mar2023 mike@h2dc.com H2DC PLLC MO CoA#: 2017002700 Electrical Only

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KEY NOTES

- 1. INTERCEPT EXISTING BRANCH CIRCUIT IN NEW JUNCTION BOX AND EXTEND TO NEW LOCATION OF RECEPTACLE AS SHOWN. RECONNECT FOR OPERATION.
- 2. RELOCATED ORDER READY BOARD (ORB) TO BE MOUNTED ON WALL. RELOCATE ALL EXISTING RECEPTACLE AND DATA OUTLETS. COORDINATE EXACT LOCATION PRIOR TO ROUGH—IN. EXTEND WIRES, CONDUITS & DATA CABLING TO NEW LOCATION AS REQUIRED. RECONNECT TO EXISTING POWER CIRCUIT AND DATA PORT SERVER.
- 3. NEW POS COUNTER. RELOCATE ALL EXISTING RECEPTACLE, TELEPHONE AND DATA OUTLETS. EXTEND WIRES, CONDUITS & DATA CABLING TO NEW OUTLET LOCATION AS REQUIRED. RECONNECT TO EXISTING POWER PANEL/DATA PORT SERVER.
- 4. PROVIDE RECEPTACLE FOR ORDER READY BOARD AS INDICATED.
- 5. PROVIDE RECEPTACLE FOR ORDER READY BOARD "ORB" SCANNER AS INDICATED.
- 6. PROVIDE NEMA 5-20R RECEPTACLE FOR FUTURE DELIVERY TABLET AT 3'-4" AFF. EXTEND NEARBY APPLIANCE BRANCH CIRCUIT TO NEW RECEPTACLE. VERIFY CIRCUIT HAS 1.5 AMPS OF AVAILABLE AMPACITY.
- 7. EXTEND TWO (2) 1" EMPTY CONDUITS WITH PULL STRING TO ABOVE CEILING FOR POS DATA CABLES.
- 8. PROVIDE NEW 4"X4"X4" PULLBOX MOUNTED AT +10FT AFF. PROVIDE 2-1/2" EMPTY CONDUIT WITH PULLSTRING FOR POS & DATA CABLING. RUN CONDUIT IN ADJACENT FULL HEIGHT WALL. COORDINATE EXACT LOCATION PRIOR TO ROUGH—IN.
- 9. U.L. LISTED RACEWAY PROVIDED WITH COUNTER, INSTALED BY ELECTRICAL CONTRACTOR.
- 10. NEW DIGITAL MENUBOARD. RELOCATE ALL EXISTING RECEPTACLE AND DATA OUTLETS. COORDINATE EXACT LOCATION PRIOR TO ROUGH—IN. EXTEND WIRES, CONDUITS & DATA CABLING TO NEW LOCATION AS REQUIRED.
- 11. REPLACE EXISTING 225A 42 CIRCUIT PANEL LP—1 WITH NEW 225A, 54 CIRCUIT PANEL IN SAME LOCATION. RECONNECT ALL EXISTING BRANCH CIRCUITS AND FEEDER TO PANEL AS BEFORE.
- 12. PROVIDED PANEL WITH ISOLATED GROUND BAR.
- 13. DIGITAL MERCHANDISER MEDIA PLAYER PROVIDE JB WITH 1" C AND PULL STRING TO FULL HEIGHT WALL AND TO ABOVE CEILING WITH BUSHING. FOR DATA CABLES SUPPLY WITH GROMMETED OPENING IN COVER PLATE.
- 14. PROVIDE NEW JUNCTION BOX IN CEILING FOR CONNECTION OF LED PUCK LIGHT FOR "HAPPY MEAL DISPLAY". VERIFY LOCATION PRIOR TO ROUGH—IN.
- 15. INTERCEPT EXISTING BRANCH CIRCUIT IN NEW JUNCTION BOX AND EXTEND TO NEW LOCATION OF KIOSK AS SHOWN. RECONNECT FOR OPERATION

GENERAL NOTES:

- A. ELECTRICAL CONTRACTOR SHALL CONDUCT ELECTRICAL LOAD MONITORING TEST ON THE EXISTING BUILDING SERVICE' IN ACCORDANCE WITH NEC 220.87, TO ENSURE EXISTING FEEDER PANEL CAN ACCOMMODATE NEW LOADS, PRIOR TO COMMENCEMENT OF WORK. PROVIDE ENGINEER OF RECORD WITH THE RESULTS. COORDINATE WITH ENGINEER OF RECORD FOR FURTHER DIRECTION. (LOAD MONITORING TEST SHALL CONTINUOUSLY RECORDED OVER A MINIMUM 30-DAY PERIOD MEASURING OF AVERAGE POWER DEMAND OVER A 15-MINUTE PERIOD, NEC 220.87 (1) EXCEPTION.)
- B. ELECTRICAL CONTRACTOR SHALL SECURE 'SES' HIGH KW DEMAND FROM POWER COMPANY, PRIOR TO COMMENCEMENT OF WORK. PROVIDE ENGINEER OF RECORD WITH THE DATA. COORDINATE WITH ENGINEER OF RECORD FOR FURTHER DIRECTION.
- C. CHANGES ON THE ELECTRICAL DESIGN WHICH RESULTED FROM THE LOAD TEST FROM THE EXISTING SERVICE AND 'SES' SHALL REQUIRE ELECTRICAL PLAN RESUBMITTAL TO THE CITY.
- PLAN RESUBMITTAL TO THE CITY.

 D. ALL EQUIPMENT IN KITCHEN, SERVICE, AND PREP. AREAS SHALL BE PROVIDED WITH GFCI PROTECTION.
- E. THE GROUND FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.
- . WHERE GFCI RECEPTACLE IS NOT READILY ACCESSIBLE, PROVIDE REMOTE GFCI "RESET/TEST" BUTTON (SMARTLOCKEDPROP FACELESS GFCI BY LEVITON OR APPROVED EQUAL) IN A READILY ACCESSIBLE LOCATION OR PROVIDE GFCI PROTECTED BREAKER TO CIRCUIT FEEDING THE RECEPTACLE.
- . ALL NEW DINING AREA RECEPTACLE OUTLETS SHALL BE COMBINATION USB CHARGER & TAMPER-RESISTANT DUPLEX OUTLET U.N.O. MFR.: BY HUBBELL

SCHEDULE OF NEW BRANCH CIRCUIT PANEL LP11 12																
MAIN: SPEC: MOUN	225 AMP MAIN LUGS ONLY SQUARE D TYPE "NQOD" OF TING: FLUSH		VOLTAGE: 208/120V, 3-PHASE, 4 WIRE FED FROM: 225A/3P OCPD AIC SYMM: 10,000							/3P OCPD						
LOAD	LOAD DESCRIPTION BRANCH CIRCUIT DATA						PHASE A	PHASE B	PHASE C	BRANCH CIRCUIT DATA					LOAD DESCRIPTION	LOAD
VA		WIRE	GND.	COND.	TRIP	CKT.	VA	VA	VA	CKT.	TRIP	COND.	GND.	WIRE		VA
1200	(E) MENU BOARD LANE #1	2#12	1#12	1/2"	20	1	2400			2	20/2	1/2"	1#12	2#12	(E) FLAG POLE	1200
1200	(E) MENU & PRESALE LANE #2	2#12	1#12	1/2"	20	3		2400		4	20/2	1/2	1#12	2#12	(E) PLAG POLE	1200
1200	(E) TRASH GFI	2#12	1#12	1/2"	20	5			2400	6	20	1/2"	1#12	2#12	(E) FRONT ARCADE SIGNAGE	1200
1200	(E) TRASH CORRAL LIGHTING	2#12	1#12	1/2"	20	7	2400			8	20	1/2"	1#12	2#12	(E) TECH RM TRANSFER FAN/LIGHT	1200
1200	(E) REAR & SIDE ARCADE SIGNAGE	2#12	1#12	1/2"	20	9		2400		10	20	1/2"	1#12	2#12	(E) EXTERIOR WALL/SOFFIT LTG	1200
1200	(E) AWNING LTG	2#12	1#12	1/2"	20	11			2400	12	20	1/2"	1#12	2#12	(E) EXTERIOR WALL/SOFFIT LTG	1200
1200	(E) SIDE ARCADE SIGNAGE	2#12	1#12	1/2"	20	13	2400			14	20	1/2"	1#12	2#12	(E) DCO IN ROAD SIGN BASE	1200
1200	(E) HEARTH & RF CAP ELEMENT LED LT	2#12	1#12	1/2"	20	15		2400		16	20	1/2"	1#12	2#12	(E) SEC. LTS/DR ALRM/DR BUZZ CO2 SFTYSYS	1200
1200	(E) BACK & SIDE ARCADE LED LT	2#12	1#12	1/2"	20	17			2400	18	30/2	3/4"	1#10	2#10	(E) LOT LTG	1200
1200	(E) LIGHTING CONTROL PANEL	2#12	1#12	1/2"	20	19	2400			20	30/2	3/4	1#10	2#10	(L) LOT LIG	1200
1200	(E) EXISTING LOAD	2#12	1#12	1/2"	20	21		2400		22	30/2	3/4"	1#10	2#10	(E) LOT LTG	1200
1200	(E) OUTDOOR MENU BOARD	2#12	1#12	1/2"	20	23			2400	24	30/2	3/4	1#10	2#10	(L) LOT LIG	1200
1200	(E) OUTDOOR MENU BOARD	2#12	1#12	1/2"	20	25	2400			26	30/2	3/4"	1#10	2#10	(E) LOT LTG	1200
1200	(E) DINING LTG	2#12	1#12	1/2"	20	27		2400		28	30/2	5/4	1# 10	2π10	(L) LOT LIO	1200
1200	(E) DINING LTG	2#12	1#12	1/2"	20	29			2400	30	20	1/2"	1#12		(E) EXISTING LOAD	1200
1200	(E) DINING LTG	2#12	1#12	1/2"	20	31	2400			32	20	1/2"	1#12	2#12	(E) McDs ROAD SIGN	1200
1200	(E) DINING LTG	2#12	1#12	1/2"	20	33		2400		34	30/2	3/4"	1#10	2#10	(E) LOT LTG	1200
1200	(EM) KITCHEN LTG	2#12	1#12	1/2"	20	35			2400	36	00/2	0/4	11110			1200
1200	(EM) RESTROOM LTG	2#12	1#12	1/2"	20	37	2400			38	20	1/2"	1#12	2#12	(E) NIGHT/EXIT/EMERG. LTG	1200
1200	(EM) SUPPORT LTG	2#12	1#12	1/2"	20	39		2400		40	20	1/2"	1#12	2#12	(E) EXISTING LOAD	1200
1200	(E) NIGHT/EXIT/EMERG. LTG	2#12	1#12	1/2"	20	41			2400	42	20	1/2"	1#12	2#12	(E) EXISTING LOAD	1200
1200	(N) REFRIGERATOR	2#12	1#12	1/2"	20	43	2000			44	20	1/2"	1#12	2#12	(N) SCANNER & READY TO GO(IG)	800
720	(N) DIGITAL MERCHANDISER (IG)	2#12	1#12	1/2"	20	45		1520		46	20	1/2"	1#12	2#12	(N) POS - RECEIPT PRINTER (IG)	800
600	(N) HAPPY MEAL DISPLAY	2#12	1#12	1/2"	20	47			800	48	20	1/2"	1#12	2#12	(N) FUTURE ICE MACHINE	200
0	SPARE				20	49	1788			50	20	1/2"	1#12	2#12	(N) FUTURE ABS PRECOOLER	1788
0	SPACE	+	-		20	51	1700	600		52	20	1/2"	1#12	2#12	(N) FUTURE AUTOMATED BEVERAGE SYSTEM	600
0	SPACE					53			0	54					SPACE	0
-	OF AGE					33	20.50	10.02				LIACE			OT AGE	
								20.59 18.92 17.6 KVA PER PHASE								
NOTES:							171.6 157.7 146.7 AMPS PER PHASE									
								57.1 TOTAL KVA								
								158.7 TOTAL AMPS								
							<u> </u>	100.7		1,01,	IL /IVI					

PANEL SCHEDULE NOTES:

- (E) EXISTING BRANCH CIRCUIT RECONNECTED TO NEW CIRCUIT BREAKER IN NEW PANEL.

 (EM) EXISTING BRANCH CIRCUIT WITH LOAD MODIFIED FOR THIS PROJECT
- PROJECT.

 (N) PROVIDE NEW BRANCH CIRCUIT AND NEW CIRCUIT BREAKER
 IN SPACE IN PANEL.

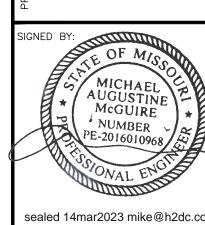
IN SPACE IN PANEL.
(IG) INDICATES BRANCH CIRCUIT WITH ISOLATED GROUND.

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M. McDonald's USA, LLC

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3/10/23 OWJ

D'S RESTAURANT
—HWY 70: 2023 BCK
JW
DOWER PLAN

POWER PLAN

DATE ISSUE DATE

NESS LOOP

SITE ID NO.

ROJECT NO. 4122000363