



**28993 FORD ROAD  
GARDEN CITY, MI 48135**

**ENDEAVOR  
MAJOR REMODEL  
STORE #17105**

LEGAL JURISDICTION:	CITY OF GARDEN CITY BUILDING DEPARTMENT
BUILDING CODE:	2015 MI BC
MECHANICAL:	2015 MI MC
PLUMBING:	2018 MI PC
ELECTRICAL:	2017 MI EC / 2017 NEC
FIRE:	2018 MI FC
ENERGY:	2015 MI ENERGY CODE / 2015 IECC & 2013 ASHREA 90.1
ACCESSIBILITY:	2015 MI ACCESSIBILITY CODE

BUILDING AREA:	2,385 S.F. GROSS
SEATING:	38 INTERIOR
OCCUPANCY:	A2
TYPE CONSTRUCTION:	TYPE VB - UNPROTECTED

TYPE	AREA	FACTOR	OCCUPANTS
DINING ROOM	803 S.F.	1:15	54
QUEING	89 S.F.	1:5 S.F.	18
KITCHEN	973 S.F.	1:200 S.F.	5
OFFICE	53 S.F.	1:100 S.F.	1
WALK-IN	125 S.F.	1:100 S.F.	1
RESTROOMS	144 S.F.	0	0
TOTAL			79

**PROJECT SUMMARY**  
THIS PROJECT CONSISTS OF THE REMODEL TO THE EXISTING TACO BELL RESTAURANT (APPROX. 2,385 SQ. FT. OF AREA) LOCATED AT THE ADDRESS LISTED ON THIS COVER.

INTERIOR: TO BE GUTTED DOWN TO STUD FRAMING OF EXTERIOR WALLS. ALL INTERIOR NON-LOAD BEARING WALLS WILL BE REMOVED. NEW CONSTRUCTION OF INTERIOR WALLS AND FINISHES. NEW STOREFRONT SYSTEM AND WINDOWS AS INDICATED IN THE PLANS. NEW CEILING GRID AND TILES AND NEW LED LIGHTING THROUGHOUT. NEW KITCHEN EQUIPMENT TO BE INSTALLED. EXISTING WIRING TO BE REMOVED AND REPLACED. NEW ELECTRIC PANELS TO ACCOMMODATE NEW EQUIPMENT UPGRADES. NEW RESTROOMS. DESIGNED TO COMPLY WITH ADA REQUIREMENTS. PLUMBING IS TO BE SCOPED AND CLEANED. NEW PLUMBING FIXTURES BOH AND RESTROOMS. REMOVAL OF INTERIOR WALK-IN COOLER/FREEZER. NEW WALK-IN COOLER/ FREEZER WILL BE INSTALLED ON EXTERIOR OF BUILDING ON NEW STRUCTURAL CONCRETE PAD AS INDICATED IN THE PLANS.

EXTERIOR: BUILDING WILL BE PAINTED PER NEW BRAND STANDARDS. NEW SIGNAGE INSTALLED AND PERMITTED BY VENDOR AS INDICATED IN THE PLANS.

SITE: CODE COMPLIANT UPGRADES TO PARKING AND SIDEWALKS. AN ADDITIONAL 2ND DRIVE-THRU LANE AND NEW DRIVE-THRU EQUIPMENT. DRIVE-THRU EQUIPMENT TO BE INSTALLED AND PERMITTED BY VENDOR.

<b>OWNER</b> Taco Bell of America, LLC 1 Glen Bell Way Irvine, CA 92618	<b>ARCHITECT</b> Frederick J. Goglia 1950 Craig Rd. St. Louis, MO 63146 Contact: Josh Buono Phone: 314.415.2400
<b>CIVIL ENGINEER</b> COLE 401 South 18th Street Suite 200 St. Louis, MO 63103 Phone: 314.984.9887	<b>MECH. / ELEC. ENGINEER</b> Robert L. Queathem 1950 Craig Rd. St. Louis, MO 63146 Contact: Anthony Richardson Phone: 314.415.2400
<b>STRUCTURAL ENGINEER</b> CARUSO TURLEY SCOTT INC. 1215 West Rio Salado Pkwy Tempe, AZ 85281 Phone: 480.774.1700	

**PROJECT DIRECTORY**

IRRIGATION PLAN: LANDSCAPE CONTRACTOR TO APPLY FOR AND PULL ANY REQUIRED PERMIT FOR THE IRRIGATION SYSTEM MODIFICATIONS.

TITLE/ GENERAL	02/08/2023	1																		
T1.0 TITLE SHEET	X																			
<b>CIVIL</b>																				
C1.0 COVER SHEET																				
C2.0 DEMOLITION PLAN																				
C3.0 SITE PLAN																				
C4.0 GRADING PLAN AND SWPPP																				
C4.1 SWPPP NOTES																				
C5.0 DETAIL SHEET																				
C5.1 DETAIL SHEET																				
<b>SITE</b>																				
CT1.0 SITE PLAN (ADA UPDATES)																				
CT1.1 SITE DETAILS																				
L1.0 LANDSCAPE PLAN AND DETAILS																				
<b>SIGNAGE</b>																				
G4.0 SIGNAGE PLAN																				
G4.1 SIGNAGE DETAILS																				
<b>DEMOLITION</b>																				
D1.0 DEMOLITION FLOOR PLAN																				
D2.0 DEMOLITION REFLECTED CEILING PLAN																				
D3.0 DEMOLITION EXTERIOR ELEVATIONS	X																			
<b>STRUCTURAL</b>																				
S1.1 GENERAL STRUCTURAL NOTES																				
S1.2 DETAILS																				
S2.1 FOUNDATION PLAN																				
<b>ARCHITECTURAL</b>																				
A1.0 FLOOR PLAN																				
A1.1 DOOR & WINDOW SCHEDULE																				
A2.0 SEATING AND EQUIPMENT PLAN																				
A2.1 EQUIPMENT SCHEDULE																				
A2.3 EGRESS PLAN																				
A3.0 ROOF PLAN																				
A4.0 EXTERIOR ELEVATION																				
A4.1 EXTERIOR ELEVATIONS																				
A5.0 WALL SECTIONS																				
A6.0 INTERIOR FINISH DETAILS																				
A6.1 DOOR & WINDOW DETAILS																				
A6.2 CONSTRUCTION DETAILS																				
A7.0 FINISH FLOOR PLAN																				
A7.1 REFLECTED CEILING PLAN																				
A7.2 FINISH LEGEND AND SCHEDULE																				
A8.0 INTERIOR ELEVATIONS																				
A8.1 INTERIOR ELEVATIONS - SERVICE COUNTER																				
A8.2 INTERIOR ELEVATIONS - RESTROOM PLAN																				
A8.3 INTERIOR ELEVATIONS - OFFICE																				
A8.4 INTERIOR ELEVATIONS - KITCHEN																				
<b>ACCESSIBILITY</b>																				
ADA1.0 ACCESSIBILITY REQUIREMENTS																				
ADA1.1 ACCESSIBILITY REQUIREMENTS																				
<b>MECHANICAL</b>																				
M1.0 MECHANICAL PLAN																				
M2.0 HOOD DRAWINGS PLANS & SECTIONS																				
M3.0 MECHANICAL DETAILS																				
<b>ELECTRICAL</b>																				
E1.0 SITE ELECTRICAL PLAN																				
E2.0 RISER DIAGRAM AND LEGEND																				
E2.1 PANEL SCHEDULES																				
E2.2 EQUIPMENT SCHEDULES																				
E3.0 POWER PLAN																				
E3.1 ENLARGED POWER PLAN & DETAILS																				
E3.2 ROOF POWER PLAN																				
E4.0 LIGHTING PLAN & SCHEDULE																				
E4.1 ELECTRICAL COMCHECK																				
E5.0 COMMUNICATIONS PLAN																				
E6.0 ELECTRICAL DETAILS																				
E7.0 ELECTRICAL DETAILS																				
<b>PLUMBING</b>																				
P1.0 PLUMBING PLAN - DEMO																				
P2.0 PLUMBING PLAN WASTE & VENT																				
P3.0 PLUMBING PLAN WATER & GAS																				
P4.0 PLUMBING RISER DIAGRAMS																				
P5.0 SCHEDULES AND DETAILS																				

- A. ALL WORK SHALL CONFORM TO THE 2015 MICHIGAN BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY OF GARDEN CITY AND COUNTY OF WAYNE.
- B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY, PREPARED BY ArcVision.
- E. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION DATED BY THE REPORT IS PART OF THESE CONTRACT DOCUMENTS, AND THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT ITS RECOMMENDATIONS, THOUGH SOME MAY NOT BE SPECIFICALLY DETAILED ON THE PLANS.
- F. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
- G. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE YUM BRANDS CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- H. RETAIN THE PROJECT GEOTECHNICAL ENGINEER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION PRIOR TO START OF FOUNDATION WORK.
- I. SUBMIT PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT (IF APPLICABLE). THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSUL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. YUM BRANDS WILL PAY FOR "CONNECTION FEES" ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- J. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- L. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.
- M. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.
- N. ALL MATERIALS STAGED TO BE USED FOR CONSTRUCTION SHALL BE PROTECTED FROM EXCESSIVE MOISTURE. IF THEY ARE EXPOSED TO MOISTURE THEY SHOULD BE ADEQUATELY DRIED BEFORE ENCAPSULATED INTO THE BUILDING.
- O. ALL PAINTS, ADHESIVES, COATINGS AND SEALANTS USED INSIDE THE BUILDING SHALL HAVE A LOW VOC CONTENT.
- P. G.C. SHALL PROVIDE PHOTOS AFTER POST ADA REPORT WORK IS COMPLETE SHOWING COMPLIANCE.

**GENERAL DRAWING SYMBOLS**

	NAME	ROOM NAME		ELEV. LETTER
	SHEET NUMBER			ELEV. SHEET
	ELEVATION NUMBER			DOOR NUMBER
	CEILING HEIGHT			WINDOW NUMBER / DECOR ITEM NUMBER
	BLDG. SECTION LETTER			EXTERIOR WALL FINISH NUMBER
	BLDG. SECTION SHEET			KEY NOTE NUMBER
	DETAIL NUMBER			EQUIPMENT NUMBER
	DIRECTION OF DETAIL			INTERIOR FINISH
	DETAIL SHEET			INTERIOR WALL TYPE
	REVISION NUMBER			INTERIOR ELEVATION DESIGNATION
	BLDG. HEIGHT REFERENCE POINT			SHEAR WALL TYPE (STRUCTURAL)
				EQUIPMENT / FIXTURE NUMBER (M.E.P.)

# TACO BELL

28993 FORD ROAD  
GARDEN CITY, MI 48135

## CONSTRUCTION DOCUMENTS

### INDEX

		REVISIONS							
		1	2	3	4	5	6	7	8
C1.0	COVER SHEET								
C2.0	DEMOLITION PLAN								
C3.0	SITE PLAN								
C4.0	GRADING PLAN AND SWPPP								
C4.1	SWPPP NOTES								
C5.0	DETAIL SHEET								
C5.1	DETAIL SHEET								

### DESIGN AND DEVELOPMENT CONTACTS

**OWNER** TACO BELL OF AMERICA INC.  
1 GLEN BELL WAY  
IRVINE, CA 92618  
(818) 836-1782  
CONTACT: HAYLEY MALLON

**CIVIL ENGINEER** COLE & ASSOCIATES, INC.  
401 S. 18TH STREET, SUITE 200  
ST. LOUIS, MO 63103  
(314) 437-8112  
CONTACT: CHRIS WILSON

**ARCHITECT** ARCVISION, INC.  
1950 CRAIG ROAD, SUITE 300  
ST. LOUIS, MO 63146  
(813) 417-9901  
CONTACT: JOSH BUONO

**SURVEYOR** CLARK LAND SURVEYING, INC.  
177 S. TIFFANY DRIVE, UNIT 1  
PUEBLO WEST, CO 81007  
(719) 582-1270  
CONTACT: CHRIS BERUMAN



### PERTINENT DATA

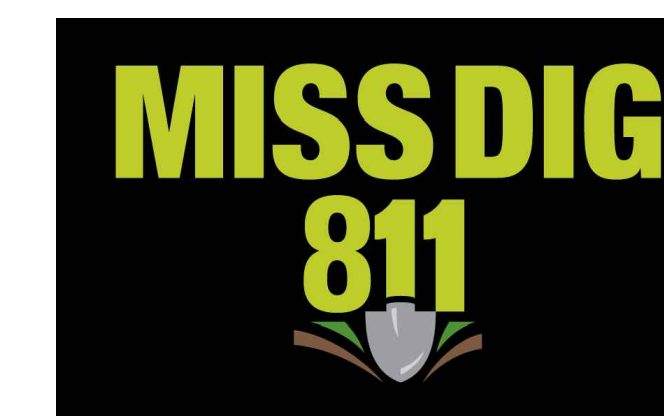
<b>SITE DATA</b>	
PARCEL ID	35013010005001
TOTAL SITE AREA	36,613 SF, 0.84 AC
<b>EXISTING SITE AREA CALCULATIONS</b>	
IMPERVIOUS AREA	22,456 SF, 0.52 AC
PERVIOUS AREA	14,157 SF, 0.32 AC
<b>PROPOSED SITE AREA CALCULATIONS</b>	
IMPERVIOUS AREA	23,678 SF, 0.54 AC
PERVIOUS AREA	12,935 SF, 0.30 AC

### UTILITIES

<b>ELECTRIC SERVICE</b>	DTE ENERGY COMPANY 8001 HAGGERTY ROAD VAN BUREN CHARTER TOWNSHIP, MI 48111 (800) 477-4747	<b>SANITARY SEWER SERVICE</b>	GARDEN CITY PUBLIC WORKS 31800 BEECHWOOD AVENUE GARDEN CITY, MI 48135 (734) 793-1800
<b>WATER SERVICE</b>	GARDEN CITY WATER DEPARTMENT 6000 MIDDLEBELT ROAD GARDEN CITY, MI 48135 (734) 793-1630	<b>STORM SEWER SERVICE</b>	GARDEN CITY PUBLIC WORKS 31800 BEECHWOOD AVENUE GARDEN CITY, MICHIGAN 48135 (734) 793-1800
<b>GAS SERVICE</b>	DTE ENERGY COMPANY 8001 HAGGERTY ROAD VAN BUREN CHARTER TOWNSHIP, MI 48111 (800) 477-4747		

### UTILITY INFORMATION:

UTILITIES SHOWN HAVE BEEN TAKEN FROM AVAILABLE SURVEYS, UTILITY COMPANY MAPS AND PHYSICAL PROPERTY INSPECTION. THE LOCATIONS AND FACILITIES SHALL BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE ADDITIONAL UTILITIES THAT HAVE NOT BEEN SHOWN ON THIS SURVEY. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION OR CONSTRUCTION.



### LEGEND

EXISTING		PROPOSED
--- 460 --- --- 459 --- + 620.15	CONTOURS	--- 460 --- --- 459 --- x 621.25 (TOP OF CURB) (HIGHEST POINT)
~~~~~	TREE LINE	~~~~~
⊙	TREE	⊙
⊙	BUSH	⊙
⊙	STORM MANHOLE	⊙
⊙	AREA INLET	⊙
⊙	CURB INLET	⊙
⊙	GRATED INLET	⊙
⊙	FLARED END SECTION	⊙
--- 12" RCP ---	STORM SEWER	--- 12" RCP ---
⊙	GRATED MANHOLE	⊙
⊙	STORM DESIGNATOR	⊙
⊙	DOWNSPOUT	⊙
⊙	DRAINAGE PIPE	⊙
⊙	SWALE/SLOPE INDICATOR	⊙
⊙	SANITARY MANHOLE	⊙
--- 8" VCP ---	SANITARY SEWER	--- 8" VCP ---
⊙	CLEAN OUT	⊙
⊙	SANITARY DESIGNATOR	⊙
⊙	UTILITY POLE	⊙
⊙	GUIDE WIRE	⊙
⊙	OVERHEAD UTILITY	⊙
--- UE ---	UNDERGROUND ELECTRIC	--- UE ---
⊙	ELECTRIC MARKER	⊙
⊙	ELECTRIC METER	⊙
⊙	ELECTRIC BOX	⊙
⊙	ELECTRIC PULL BOX	⊙
⊙	ELECTRIC TRANSFORMER	⊙
⊙	ELECTRIC MANHOLE	⊙
⊙	UNDERGROUND TELEPHONE	⊙
⊙	FIBER OPTIC MARKER	⊙
⊙	CABLE MARKER	⊙
⊙	GAS LINE	⊙
⊙	GAS VALVE	⊙
⊙	GAS METER	⊙
⊙	GAS MARKER	⊙
⊙	WATER LINE	⊙
⊙	WATER VALVE	⊙
⊙	WATER METER	⊙
⊙	FIRE HYDRANT	⊙
⊙	SIGN	⊙
⊙	MAIL BOX	⊙
⊙	TEST HOLE	⊙
⊙	LIGHT STANDARD	⊙
⊙	FENCE	⊙
⊙	BOLLARD	⊙
⊙	RETAINING WALL	⊙
⊙	CONCRETE PAVEMENT	⊙
⊙	SILTATION FENCE	⊙
⊙	AIR CONDITIONER	⊙
⊙	FLAG POLE	⊙
⊙	MONITORING WELL	⊙
⊙	PARKING METER	⊙
⊙	PLANTER	⊙
⊙	SPRINKLER CONTROL BOX	⊙
⊙	SPRINKLER	⊙
⊙	SPRINKLER VALVE	⊙
⊙	TRAFFIC CONTROL BOX	⊙
⊙	TRAFFIC POLE	⊙
⊙	YARD LIGHT	⊙
⊙	GUARD RAIL	⊙
⊙	PROPERTY LINE	⊙
⊙	EASEMENT	⊙
⊙	SETBACK	⊙
⊙	INLET PROTECTION	⊙
⊙	WATTLE	⊙
⊙	CHECK DAM	⊙
⊙	USE IN PLACE	(UIP)
⊙	TO BE REMOVED	(TBR)
⊙	ADJUST TO GRADE	(ATG)
⊙	TO BE REMOVED & RELOCATED	(TBR&R)
⊙	TYPICAL	(TYP)
⊙	NOT TO SCALE	N.T.S.
⊙	HIGH POINT IN GRADE	HP
⊙	LOW POINT IN GRADE	LP
⊙	TOP OF WALL	TW
⊙	BOTTOM OF WALL	BW
⊙	NOT IN CONTRACT	(NIC)

USER: Austin Esterhold TAB: C1.0 COVER SHEET  
DATE: October 31, 2022 - 1:09:25 PM  
DRAWING: S:\085\085\2021\21-0129\CADD\0-Plan\PolSheet\0-IPAL COVER-SPEC-21-0129.dwg

DEVELOPER/OWNER: ARCVISION, INC.  
1950 CRAIG ROAD, SUITE 300  
ST. LOUIS, MO 63146  
(314) 415-2400

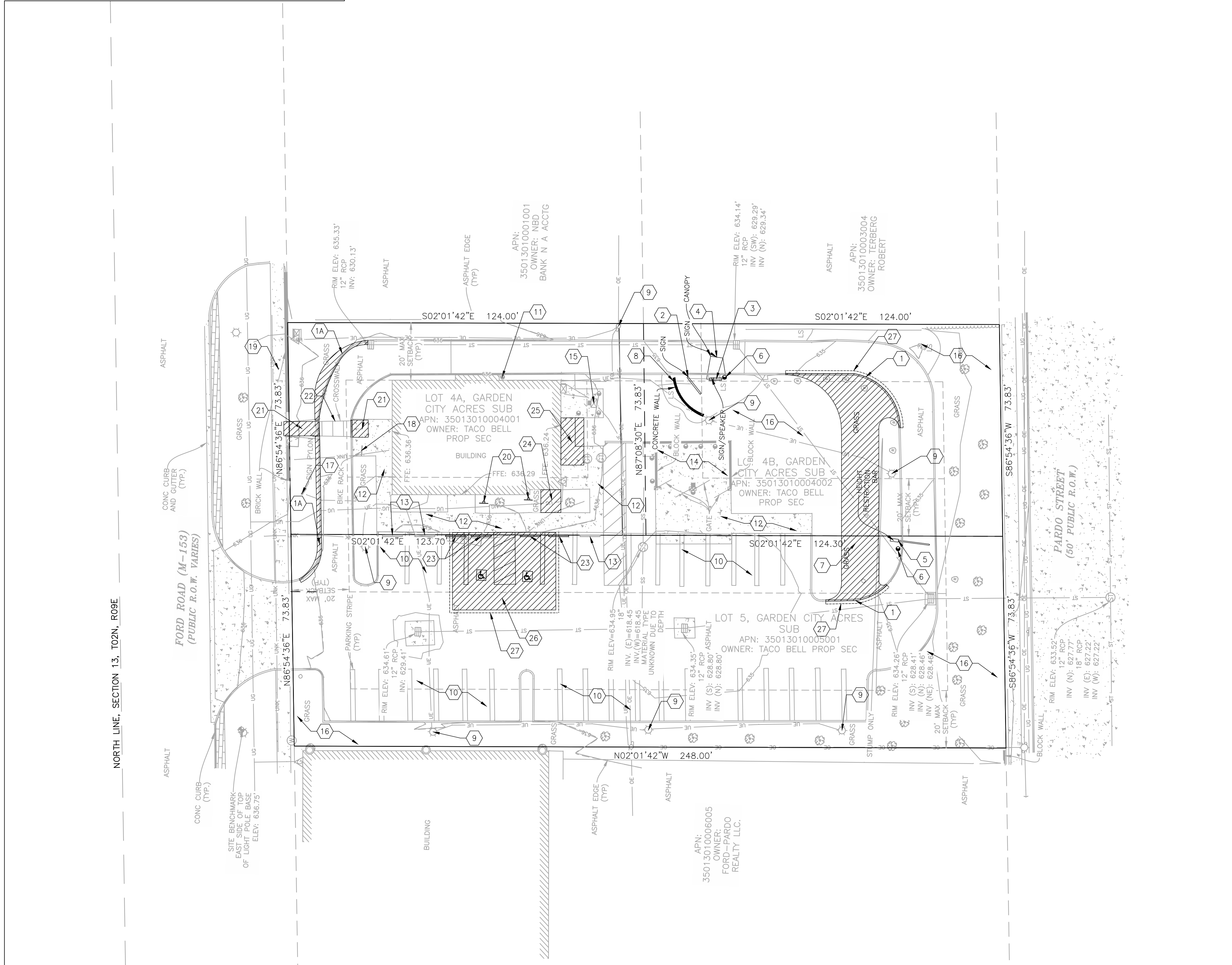
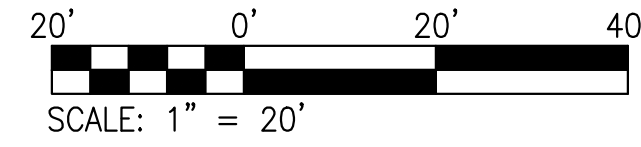
JOHN F. HARBURG  
ENGINEER  
PROFESSIONAL ENGINEER  
NO. 4201058728  
10/26/22

TACO BELL  
28993 FORD ROAD  
GARDEN CITY, MI 48135  
COVER SHEET

+ ST. LOUIS  
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CIVIL ENGINEERING / SURVEYING / PLANNING / LANDSCAPE ARCHITECTURE  
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DESIGN/CALC BY: PGB  
DRAWN BY: PGB  
CHECKED BY: CAW  
DRAWING SCALE: AS SHOWN  
DATE: 10/26/2022  
Job Number: 21-0129  
Sheet Number: C1.0

MSD P. NO. BASE MAP.



### KEYED NOTES

1. EXISTING CURB TO BE REMOVED.
- 1A. EXISTING LANDSCAPE AREA AND CURB TO BE REMOVED.
2. EXISTING DRIVE THRU MENU BOARD AND FOOTING TO BE REMOVED.
3. EXISTING ORDER SPEAKER POST AND FOOTING TO BE REMOVED.
4. EXISTING ORDER POINT CANOPY TO BE REMOVED.
5. EXISTING CLEARANCE BAR AND FOOTING TO BE REMOVED.
6. EXISTING BOLLARD TO BE REMOVED.
7. PORTION OF EXISTING LANDSCAPE AREA, CURBS, SHRUBS AND LANDSCAPE ROCKS TO BE REMOVED FOR NEW WORK AND DRIVE THRU LANE, AS SHOWN HATCHED.
8. EXISTING LANDSCAPE WALL TO BE REMOVED.
9. EXISTING LED SITE LIGHTS TO REMAIN. EXISTING POLES AND FOOTING NOT TO BE PAINTED.
10. EXISTING NON-ACCESSIBLE PARKING STRIPES TO REMAIN.
11. EXISTING BOLLARD TO REMAIN. PROVIDE NEW "SAFETY YELLOW" PLASTIC COVER, IF NOT EXISTING.
12. EXISTING SIDEWALK TO REMAIN.
13. EXISTING WHEEL STOPS TO REMAIN.
14. EXISTING TRASH ENCLOSURE AND GATES TO REMAIN AND TO BE PAINTED. REFER TO ARCHITECTURAL PLANS.
15. EXISTING ELECTRICAL TRANSFORMER TO REMAIN AND PROTECT FROM DAMAGE. DO NOT PAINT.
16. EXISTING LANDSCAPE AREA AND CURBING TO REMAIN.
17. EXISTING PYLON SIGN FACE TO BE REFACED AND REFURBISHED BY SIGN VENDOR. SCRAPE AND PAINT POLE AND SIGN CABINET BLACK.
18. EXISTING BIKE RACK TO REMAIN.
19. EXISTING PUBLIC SIDEWALK.
20. EXISTING ADA PARKING SIGN TO BE REMOVED AND REPLACED. GC TO CONFIRM THAT SIGNAGE CONFORMS TO CITY AND ADA REQUIREMENTS.
21. PORTION OF EXISTING CONCRETE SIDEWALK AND CURB RAMP TO BE REMOVED AS SHOWN HATCHED.
22. EXISTING CROSSWALK STRIPING TO REMAIN.
23. EXISTING WHEEL STOPS TO BE REMOVED. SAVE AND RELOCATE AS REQUIRED.
24. EXISTING GRASS TO BE REMOVED FOR NEW SIDEWALK.
25. PORTION OF EXISTING SIDEWALK AND LANDSCAPING TO BE REMOVED FOR NEW CONCRETE PAD FOR NEW WALK-IN COOLER.
26. EXISTING ASPHALT PAVEMENT TO BE REMOVED AND REPLACED AS SHOWN HATCHED. REFER TO SITE PLAN FOR IMPROVEMENTS.
27. NEW SAWCUT LINE.

USER: Austin Esterhild TAB: C2.0 DEMO PLAN  
 DATE: October 31, 2022 - 1:09:37 PM  
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MSD P. NO. BASE MAP. DATE

DESIGN/CALC BY	PGB
DRAWN BY	PGB
CHECKED BY	CAW
DRAWING SCALE	AS SHOWN
DATE	10/26/2022
Job Number	21-0129
Sheet Number	C2.0

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# COLE

CIVIL ENGINEERING / SURVEYING / PLANNING / LANDSCAPE ARCHITECTURE  

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**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

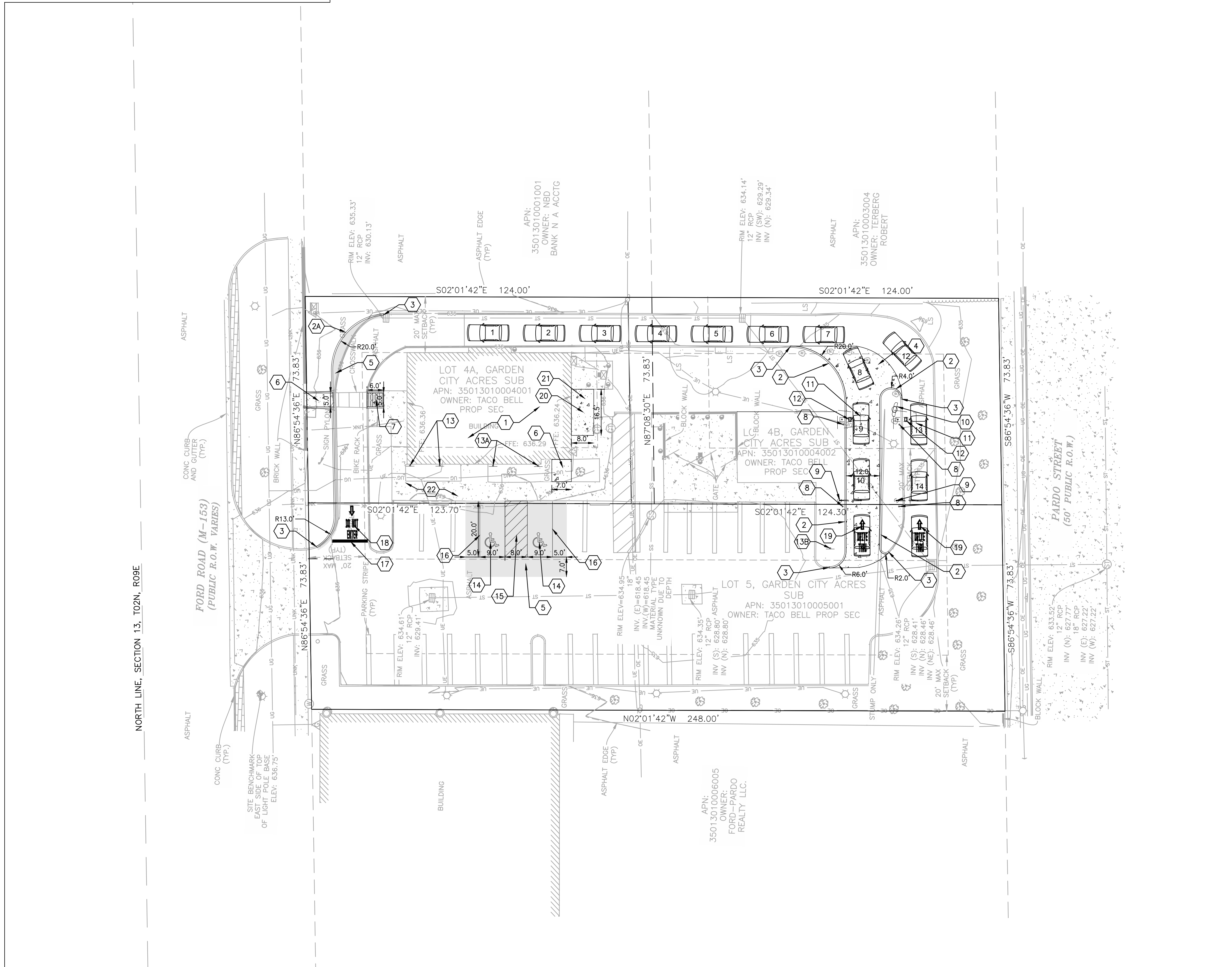
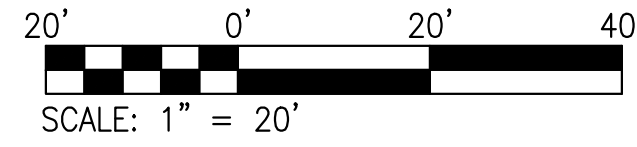
## DEMOLITION PLAN

JOHN F. HARSHBARGER  
 ENGINEER  
 License No. 4201068728  
 State of Missouri  
 10/26/22

**ARCVISION, INC.**  
 1950 CRAIG ROAD, SUITE 300  
 ST. LOUIS, MO 63146  
 (314) 415-2400

DEVELOPER/OWNER:  
 THE PROFESSIONAL, WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON, ASSUMES NO LIABILITY FOR ANY ERRORS, OMISSIONS, OR INADEQUACIES IN THE DESIGN OR CONSTRUCTION OF THE PROJECT, INCLUDING THIS ONE, UNLESS SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOTED ON THESE PLANS OR PARTS OF THE PROJECT, TO WHICH THIS ONE REFERS, BE USED.

NO.	REVISION DESCRIPTION	DATE



## KEYED NOTES

### NEW STRUCTURES

- EXISTING TACO BELL BUILDING TO REMAIN.

### NEW CURBS

- NEW 6" INTEGRAL CONCRETE CURB. REFER TO DETAIL ON SHEET C5.0.
- NEW 6" VERTICAL CONCRETE CURB. REFER TO DETAIL ON SHEET C5.0.
- MATCH EXISTING CURB IN LOCATION AND ELEVATION.

### NEW PAVEMENTS

- NEW CONCRETE PAVEMENT (HEAVY DUTY). REFER TO DETAIL ON SHEET C5.0.
- NEW ASPHALT PAVEMENT. REFER TO DETAIL ON SHEET C5.0.

### NEW SIDEWALKS

- NEW LEVEL CONCRETE SIDEWALK/LANDING. REFER TO DETAIL ON SHEET C5.0.
- NEW CURB RAMP (TYPE B). REFER TO DETAIL ON SHEET C5.0.

### NEW SIGNS

- NEW BOLLARD. PROVIDE "SAFETY YELLOW" PLASTIC COVER. REFER TO ARCHITECTURAL PLANS.
- NEW DRIVE-THRU CLEARANCE BAR ON NEW FOOTING. REFER TO ARCHITECTURAL PLANS.
- NEW DIGITAL MENU BOARD AND FOOTING. REFER TO ARCHITECTURAL PLANS.
- NEW ORDER POINT CANOPY. REFER TO ARCHITECTURAL PLANS.
- NEW ORDER SPEAKER POST AND FOOTING. REFER TO ARCHITECTURAL PLANS.
- NEW DESIGNATED GO MOBILE PICK-UP PARKING SPACE AND SIGNAGE.
- REMOVE AND REPLACE ACCESSIBLE PARKING SIGN. CONTRACTOR TO CONFIRM THAT SIGNAGE CONFORMS TO CITY AND ADA REQUIREMENTS.
- NEW DRIVE-THRU DIRECTIONAL SIGN.

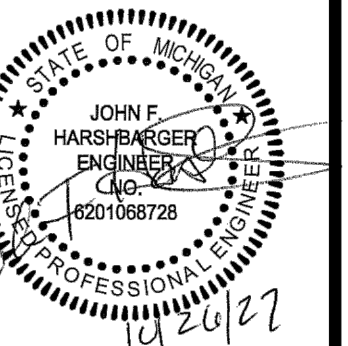
### NEW PAVEMENT MARKINGS

- NEW PAINTED ACCESSIBLE PARKING SYMBOL. REFER TO DETAIL ON SHEET C5.0.
- NEW PAINTED AISLE (BLUE). REFER TO DETAIL ON SHEET C5.0.
- NEW PAINTED PARKING SPACE LINE (BLUE). REFER TO DETAIL ON SHEET C5.0.
- NEW PAINTED STOP BAR LINE (WHITE).
- NEW "DO NOT ENTER" STRIPING AND TRAFFIC FLOW ARROWS. REFER TO DETAIL ON SHEET C5.0.
- NEW "DRIVE-THRU" STRIPING AND TRAFFIC FLOW ARROW. REFER TO DETAIL ON SHEET C5.0.

### MISCELLANEOUS

- NEW EXTERIOR WALK-IN COOLER. REFER TO VENDOR FOR ADDITIONAL INFORMATION.
- NEW CONCRETE PAD FOR NEW EXTERIOR WALK-IN COOLER.
- CRACK FILL HOLES IN SIDEWALK AND/OR REPAIR CONCRETE TO PROVIDE SMOOTH TRANSITION.

DEVELOPER/OWNER:  
**ARCVISION INC.**  
 1950 CRAIG ROAD, SUITE 300  
 ST. LOUIS, MO 63146  
 (314) 415-2400



**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

## SITE PLAN

**+ ST. LOUIS**  
 1515 1/2 Street  
 Suite 100  
 St. Louis, MO 63103  
 314.984.9887 tel/  
 www.colestl.com

**COLE**  
 CIVIL ENGINEERING / SURVEYING / PLANNING / LANDSCAPE ARCHITECTURE  
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DRAWN BY	PGB
CHECKED BY	CAW
DRAWING SCALE	AS SHOWN
DATE	10/26/2022
Job Number	21-0129
Sheet Number	C3.0





**LOCATION MAP**  
(NOT TO SCALE)



**USGS MAP**  
(NOT TO SCALE)



**SOILS MAP**  
(NOT TO SCALE)

**Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
UrbanB	Urban land-Riverfront complex, dense substratum, 0 to 4 percent slopes	0.9	100.0%
<b>Totals for Area of Interest</b>		<b>0.9</b>	<b>100.0%</b>

**SOILS MAP KEY**  
(NOT TO SCALE)

**SWPPP CONTACT DATA**

SITE ADDRESS	28993 FORD ROAD GARDEN CITY, MI 48135
OWNER	TACO BELL OF AMERICA INC. PO BOX 80615 INDIANAPOLIS, IN 46280
EMERGENCY CONTACT	TO BE DETERMINED
SITE OPERATOR	TO BE DETERMINED

**SWPPP SITE DATA**

TOTAL SITE AREA	0.84 ACRES
ON-SITE DISTURBED AREA	0.06 ACRES
OFF-SITE DISTURBED AREA	0.00 ACRES
TOTAL DISTURBED AREA	0.06 ACRES
RUNOFF COEFFICIENT (IMPERVIOUS AREA)	0.90
RUNOFF COEFFICIENT (PERVIOUS AREA)	0.25
IMPERVIOUS AREA (PRE-DEVELOPED)	0.52 ACRES
PERVIOUS AREA (PRE-DEVELOPED)	0.32 ACRES
RUNOFF COEFFICIENT (PRE-DEVELOPED)	0.65
IMPERVIOUS AREA (POST-DEVELOPED)	0.54 ACRES
PERVIOUS AREA (POST-DEVELOPED)	0.30 ACRES
RUNOFF COEFFICIENT (POST-DEVELOPED)	0.67

**SWPPP SEQUENCE**

- INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) AND SWPPP INFORMATION SIGN.
- INSTALL SILT FENCE(S) ON THE SITE (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE).
- PREPARE TEMPORARY PARKING AND STORAGE AREA.
- HALT ALL ACTIVITIES AND OBTAIN ANY AND ALL REQUIRED INITIAL BMP INSPECTIONS BEFORE PROCEEDING WITH CONSTRUCTION.
- CONSTRUCT AND STABILIZE ANY SEDIMENT BASIN(S) AND SEDIMENT TRAP(S) WITH APPROPRIATE OUTFALL STRUCTURES (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL BASINS AND TRAPS).
- INSTALL AND STABILIZE ANY HYDRAULIC CONTROL STRUCTURES (DIKES, SWALES, CHECK DAMS, ETC.).
- BEGIN CLEARING AND GRUBBING THE SITE.
- BEGIN GRADING THE SITE.
- START CONSTRUCTION OF THE BUILDING PAD AND ACCESSORY STRUCTURES.
- TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
- INSTALL BUILDING AND ACCESSORY STRUCTURES.
- INSTALL PIPING, UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.
- INSTALL RIP RAP AROUND OUTLET STRUCTURES AS EACH OUTLET STRUCTURE IS INSTALLED.
- INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
- PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
- PREPARE SITE FOR PAVING.
- PAVE SITE.
- INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
- COMPLETE GRADING AND INSTALL PERMANENT STABILIZATION OVER ALL AREAS.
- OBTAIN CONCURRENCE FROM THE OWNER/DEVELOPER'S DESIGNATED REPRESENTATIVE (AS APPROPRIATE) THAT THE SITE HAS BEEN FULLY STABILIZED.
- REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF BMP'S.
- OBTAIN ANY AND ALL REQUIRED FINAL BMP INSPECTIONS.

**SWPPP SCHEDULE**

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPORARY CONSTRUCTION ENTRANCES												
TEMPORARY CONTROL MEASURES												
SEDIMENT CONTROL BASINS												
STRIP AND STOCKPILE TOPSOIL												
ROUGH GRADE												
STORM FACILITIES												
SITE CONSTRUCTION												
PERMANENT CONTROL STRUCTURES												
FOUNDATION/BUILDING CONSTRUCTION												
FINISH GRADING												
LANDSCAPING/SEED/FINAL STABILIZATION												

**SWPPP NOTES**

- THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF THIS DRAWING ("SITE MAP"), THE STANDARD DETAILS, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- THE GENERAL CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE GENERAL CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- THE GENERAL CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- THE GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWN STREAM SIDES IN COMPLIANCE WITH THIS SWPPP.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS AS SHOWN ON SITE MAP.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEED, SODDED, AND/OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES, STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTION DISCHARGE.
- SEE SITE PLAN FOR PERMANENT AND TEMPORARY SIGNAGE.
- GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- REFER TO THE APPLICABLE NPDES PERMIT FOR REPORTABLE SPILL QUANTITIES OF PETROLEUM PRODUCTS AND/OR HAZARDOUS WASTES.
- GENERAL CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE CONSTRUCTION SITE BY USING THE DESIGNATED ENTRANCE OVERLAIN WITH GRAVEL.
- NO CONSTRUCTION MATERIALS OR EQUIPMENT CAN BE STORED ON ADJACENT PROPERTIES.
- NO COMBUSTIBLE RUBBISH SHALL ACCUMULATE ON THE CONSTRUCTION SITE. ALL COMBUSTIBLE RUBBISH MUST BE REMOVED DAILY AND SHALL NOT BE DISPOSED OF BY BURNING.
- THE GENERAL CONTRACTOR SHALL MAINTAIN THE SILTATION CONTROL DEVICES SO AS TO PREVENT SILT FROM BYPASSING THEM AND DISTURBED AREAS SHALL BE ADEQUATELY RE-VEGETATED.
- ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL

DEVICES AND/OR SEEDING AND MULCHING. EROSION CONTROL SHALL NOT BE LIMITED TO WHAT IS SHOWN ON THE PLAN. WHATEVER MEANS NECESSARY SHALL BE TAKEN TO PREVENT SILTATION AND EROSION FROM ENTERING NATURAL STREAMS AND ADJACENT ROADWAYS, PROPERTIES AND DITCHES.

**BMP MAINTENANCE NOTES**

ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
- OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY AS BEEN REDUCED BY 50%.
- PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

USER: Austin Esterhold TAB: C41 SWPPP NOTES  
DATE: October 31, 2022 1:10:05 PM  
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MSD P. NO. BASE MAP. DATE: 10/26/2022

Job Number: 21-0129  
Sheet Number: C4.1

DESIGN/CALC BY: PGB  
DRAWN BY: PGB  
CHECKED BY: CAW  
DRAWING SCALE: AS SHOWN

DEVELOPER/OWNER: ARCVISION, INC.  
1930 CRAIG ROAD, SUITE 300  
ST. LOUIS, MO 63146  
(314) 415-2400

TACO BELL  
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SWPPP NOTES

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440 S. BROADWAY  
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4201058728

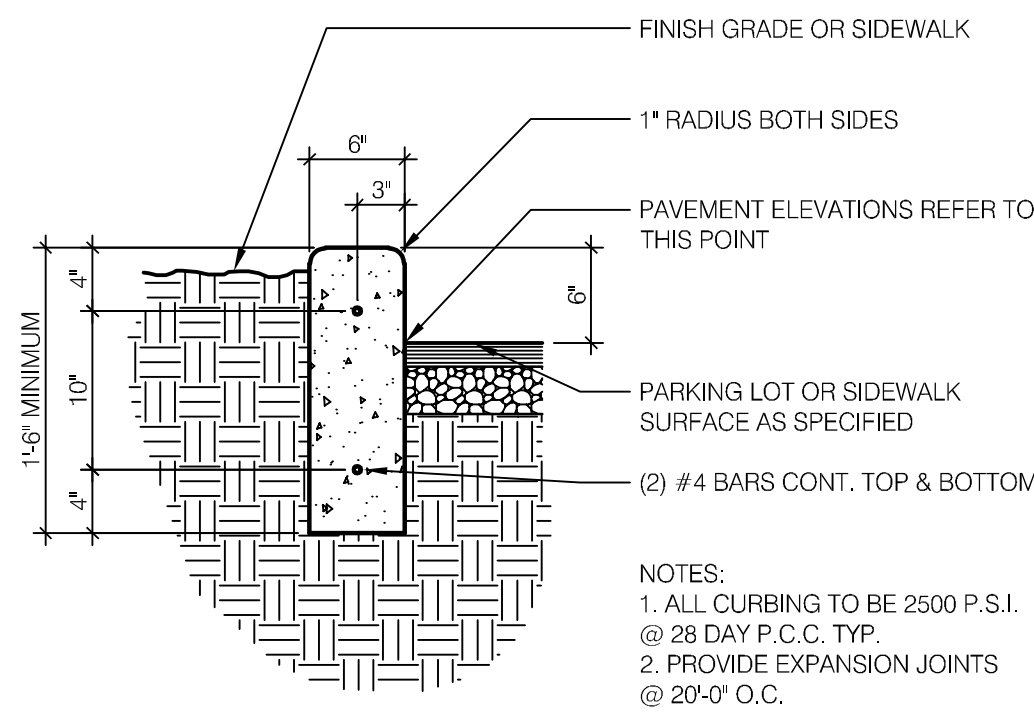
PROFESSIONAL SEAL

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION AND DATA SUBMITTED TO HIM OR HER FOR THE PURPOSES OF THIS PROJECT. HE OR SHE HAS REVIEWED THE SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOTED ON THIS PLAN AND HAS DETERMINED THAT THEY COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE PERMIT TO WHICH THIS PROJECT IS SUBJECT.

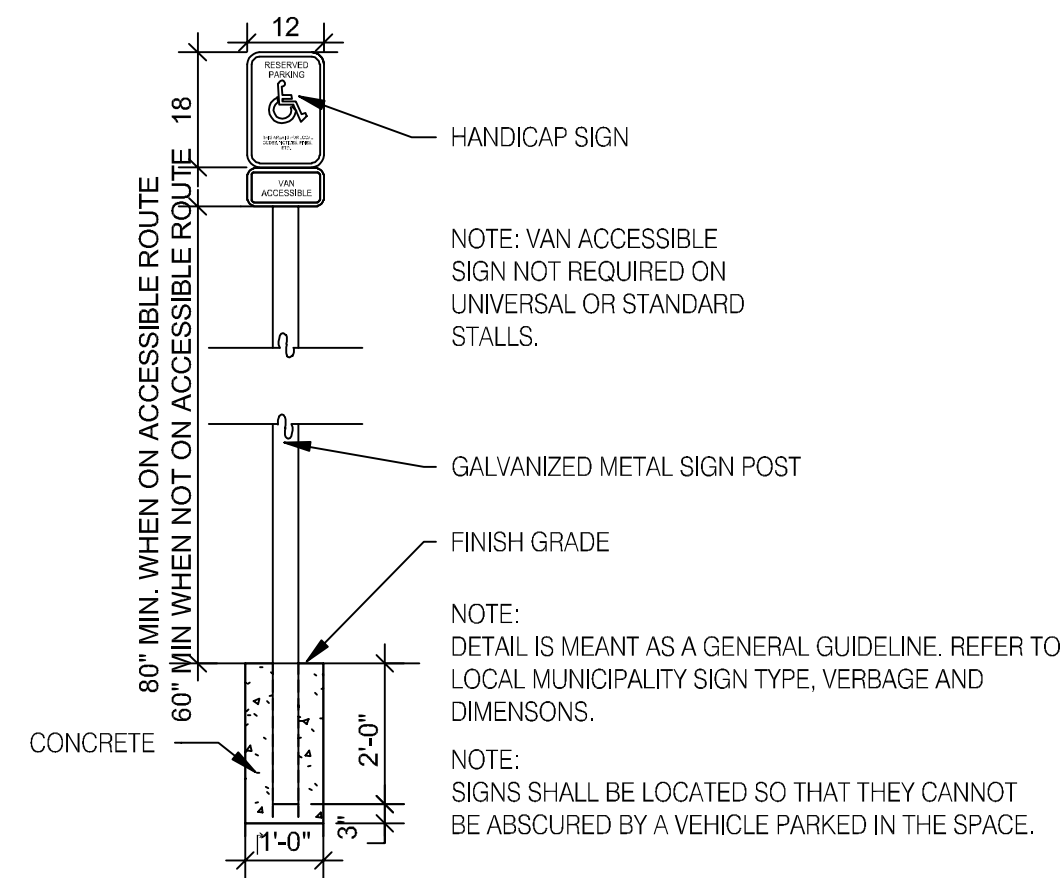




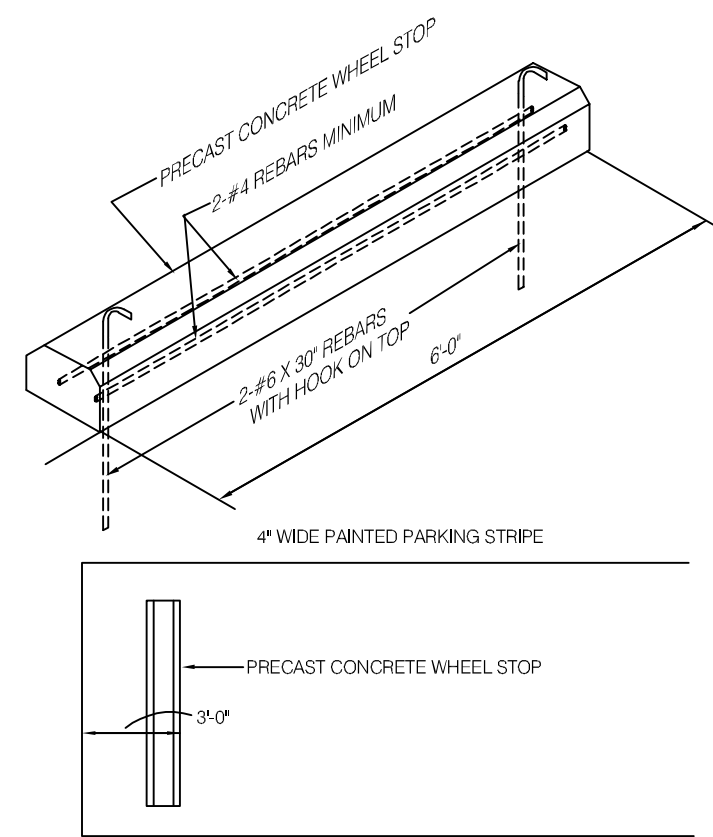




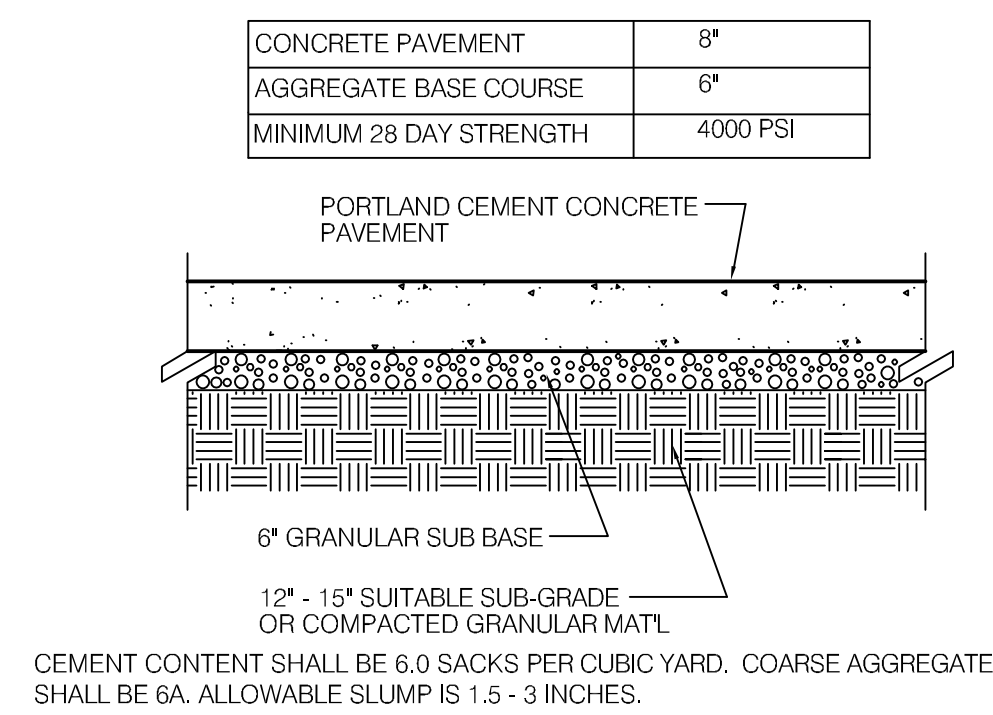
**CURB DETAIL** N.T.S. **5**



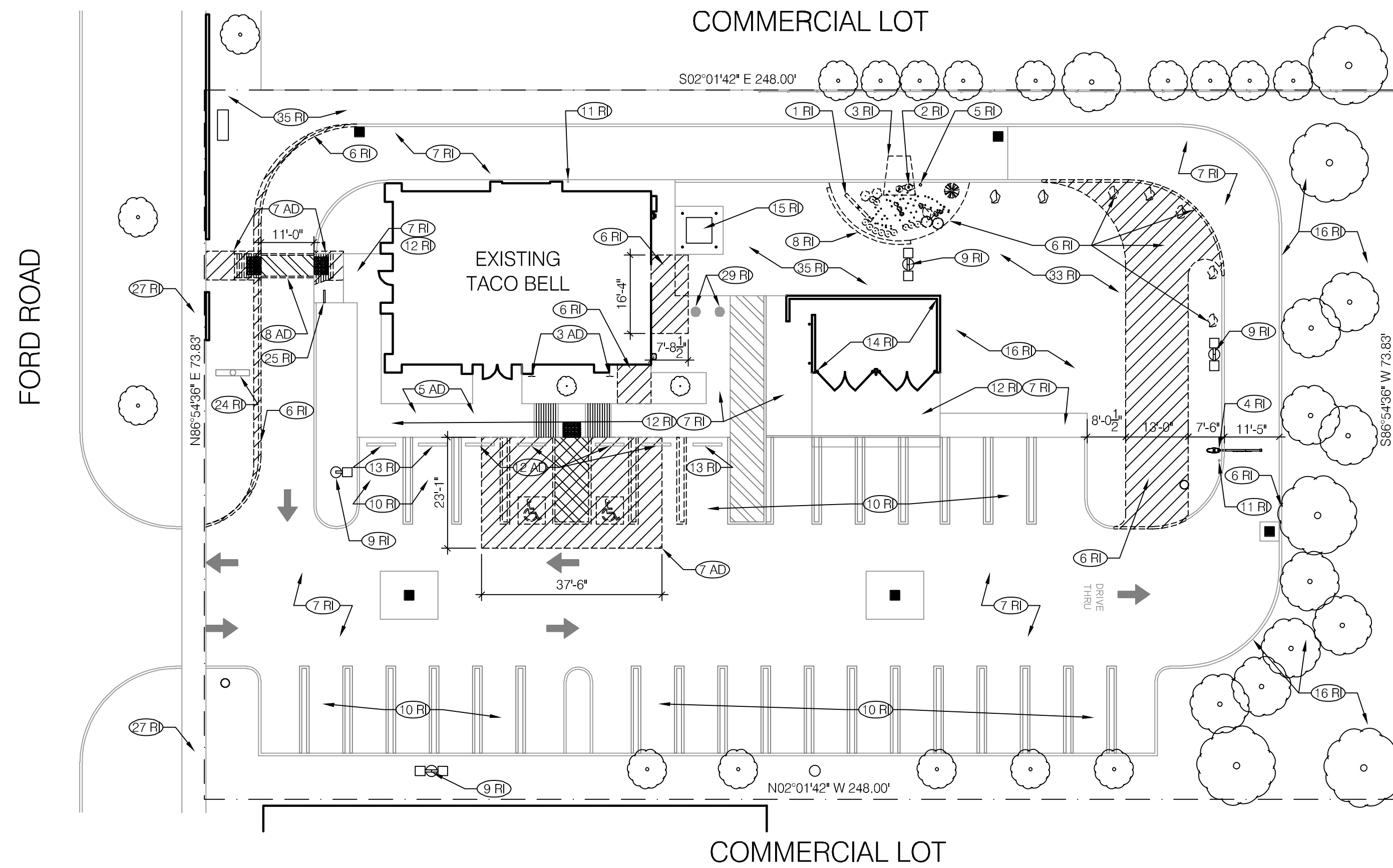
**ADA PARKING SIGN** N.T.S. **3**



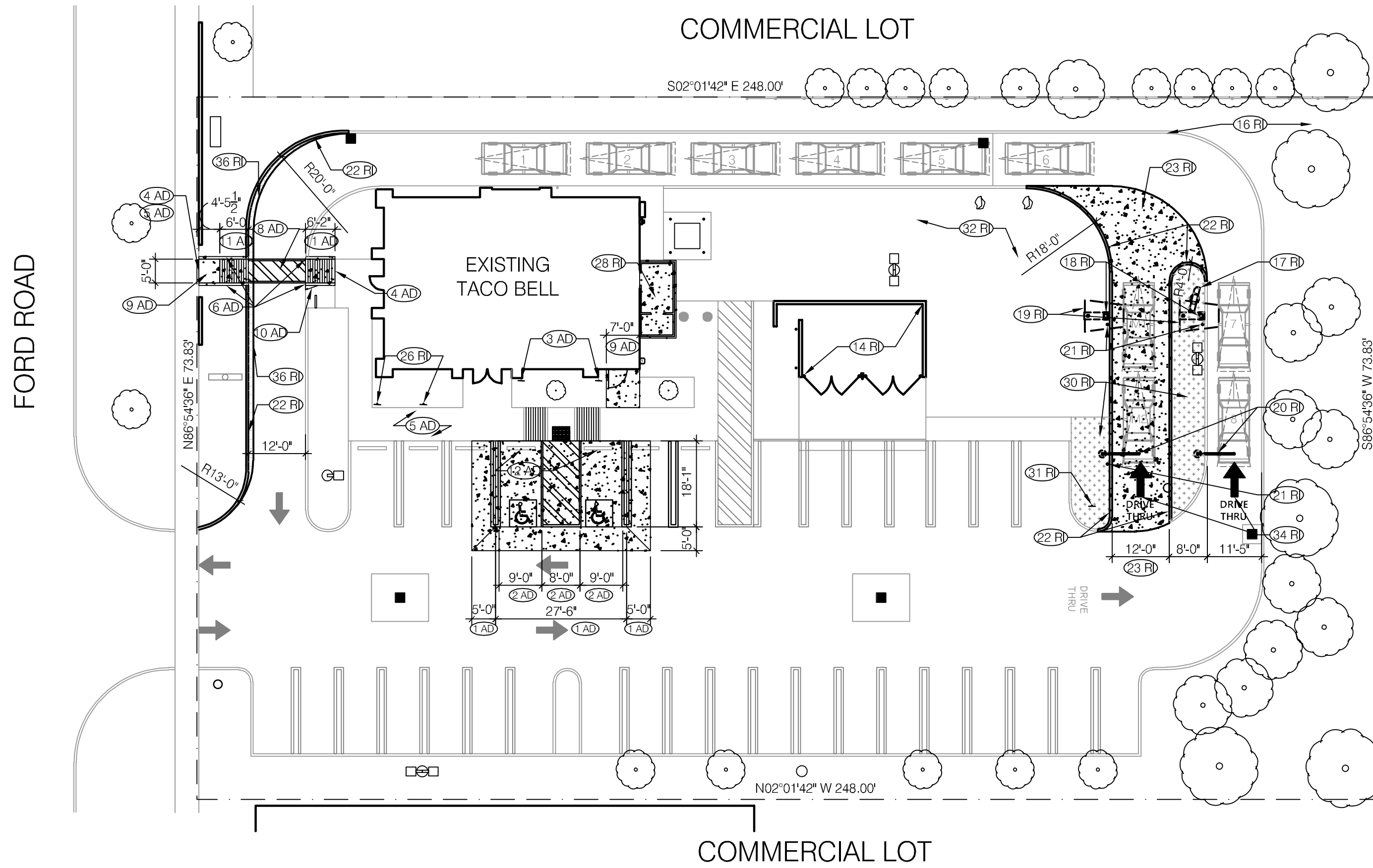
**CONCRETE WHEEL STOP** N.T.S. **6**



**CONC. PAVEMENT SECTION** N.T.S. **4**



**DEMO SITE PLAN** 1" = 20' - 0" **1**

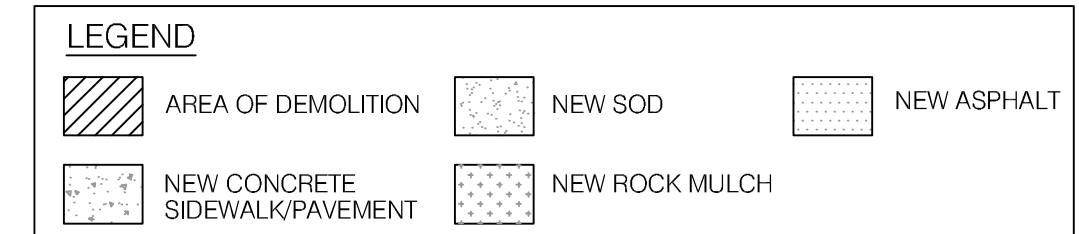


**SITE PLAN** 1" = 20' - 0" **2**

- REMODEL IMAGE (RI)**
- (1 RI) VENDOR TO REMOVE EXISTING DRIVE THRU MENU BOARD. G.C. TO REMOVE EXISTING FOOTING AND EXISTING ELECTRICAL WIRING.
  - (2 RI) SIGN VENDOR TO REMOVE EXISTING ORDER SPEAKER BOX. G.C. TO REMOVE FOOTING AND ELECTRICAL WIRING.
  - (3 RI) SIGN VENDOR TO REMOVE EXISTING ORDER POINT CANOPY. G.C. TO REMOVE AND FOOTING AND WIRING.
  - (4 RI) SIGN VENDOR TO REMOVE EXISTING CLEARANCE BAR AND FOOTING COMPLETE.
  - (5 RI) REMOVE EXISTING BOLLARD AND FOOTING AS NOTED.
  - (6 RI) REMOVE PORTION OF EXISTING LANDSCAPE AREA. PAVEMENT, CURBS, SHRUBS AND LANDSCAPE ROCKS FOR NEW WORK AND DRIVE THRU LANE. AS SHOWN HATCHED.
  - (7 RI) CLEAN OIL & SODA STAINS IN DRIVE-THRU LANE. EXISTING SIDEWALKS, DUMPSTER AREA, AND THROUGHOUT PARKING LOT. POWER WASH ALL CONCRETE CURBS AND SIDEWALKS AROUND BUILDING AS REQUIRED.
  - (8 RI) REMOVE EXISTING LANDSCAPE WALL AND FOOTING COMPLETE.
  - (9 RI) EXISTING LED SITE LIGHTS TO REMAIN. EXISTING POLES AND FOOTING NOT TO BE PAINTED.
  - (10 RI) EXISTING NON-ACCESSIBLE PARKING STRIPES TO REMAIN.
  - (11 RI) EXISTING BOLLARD TO REMAIN. PROVIDE NEW "SAFETY YELLOW" PLASTIC BOLLARD COVER, IF NOT EXISTING.
  - (12 RI) EXISTING SIDEWALK TO REMAIN.
  - (13 RI) EXISTING WHEEL STOPS TO REMAIN.
  - (14 RI) EXISTING TRASH ENCLOSURE AND GATES TO REMAIN. SCRAPE AND PAINT. REFER TO EXTERIOR ELEVATIONS SHEET A4.0 ADDITIONAL INFORMATION.
  - (15 RI) EXISTING ELECTRICAL TRANSFORMER TO REMAIN AND PROTECT FROM DAMAGE. DO NOT PAINT.
  - (16 RI) EXISTING LANDSCAPE AREA AND CURBING TO REMAIN.
  - (17 RI) G.C. TO PROVIDE NEW FOOTING AND ELECTRICAL REQUIREMENTS. SIGN VENDOR TO INSTALL NEW DIGITAL MENU BOARD. REFER TO DETAILS 4 AND 5/CT1.1 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
  - (18 RI) G.C. TO PROVIDE NEW FOOTING AND ELECTRICAL REQUIREMENTS. G.C. TO SET ORDER SPEAKER BOX. SIGN VENDOR TO INSTALL. REFER TO DETAILS 3 AND 4/CT1.1 AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
  - (19 RI) G.C. TO PROVIDE NEW FOOTING AND ELECTRICAL REQUIREMENTS. SIGN VENDOR TO INSTALL NEW ORDER POINT CANOPY. REFER TO DETAILS 4 AND 6/CT1.1 FOR ADDITIONAL INFORMATION.
  - (20 RI) G.C. TO PROVIDE NEW FOOTING AND ELECTRICAL REQUIREMENTS AS REQUIRED. SIGN VENDOR TO INSTALL CLEARANCE BAR. REFER TO DETAILS 8 AND 7/CT1.0 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
  - (21 RI) NEW BOLLARD, PROVIDE "SAFETY YELLOW" PLASTIC COVER. REFER TO DETAIL 2/CT1.1.
  - (22 RI) NEW 6" CURB, 7" MAX. HEIGHT. TO MATCH EXISTING CURB. REFER TO 5/CT1.0 FOR ADDITIONAL INFORMATION.
  - (23 RI) NEW CONCRETE DRIVE THRU LANE. REFER TO DETAIL 4/CT1.0.
  - (24 RI) EXISTING PYLON SIGN FACE TO BE REFACED AND REFURBISHED BY SIGN VENDOR. SCRAPE AND PAINT POLE AND SIGN CABINET BLACK.
  - (25 RI) EXISTING BIKE RACK TO REMAIN.
  - (26 RI) DESIGNATED GO MOBILE PICK-UP PARKING SPACE AND SIGNAGE TO BE INSTALLED BY G.C. INSTALL SIMILAR TO DETAIL 3/CT1.0.
  - (27 RI) EXISTING PUBLIC SIDEWALK.

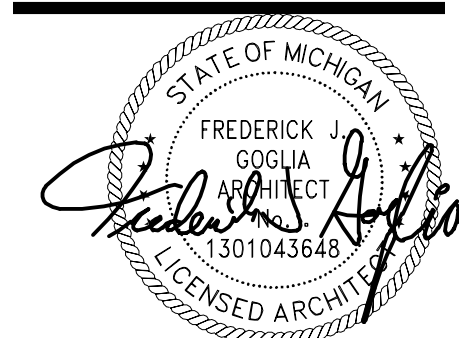
- (28 RI) LEVEL GRADING. NEW CONCRETE PAD FOR WALK-IN COOLER/FREEZER INSTALLATION. SHOWN HATCHED. REFER TO DETAIL 4/CT1.0. CIVIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- (29 RI) G.C. TO LOCATE AND VERIFY EXISTING GREASE TRAP. PROTECT DURING CONSTRUCTION.
- (30 RI) NEW ROCK MULCH.
- (31 RI) NEW DRIVE THRU DIRECTIONAL SIGN BY SIGN VENDOR INSTALLED BY G.C.
- (32 RI) PROVIDE NEW LANDSCAPING TO MATCH EXISTING WHEN CONSTRUCTION IS COMPLETE.
- (33 RI) EXISTING IRRIGATION SYSTEM TO REMAIN. THE SITE AREA MODIFIED BY THE 2ND DRIVE-THRU LANE WILL ALTER THE EXISTING SYSTEM. G.C. TO MODIFY THE EXISTING SYSTEM TO ACCOMMODATE THE PROPOSED LAYOUT ACCORDINGLY. LANDSCAPE SUBCONTRACTOR TO PROVIDE DESIGN-BUILD PLANS TO BE INCLUDED IN AS-BUILT DRAWINGS AND SITE. LANDSCAPE SUBCONTRACTOR TO APPLY FOR AND PROVIDE REQUIRED PERMITS FOR THE IRRIGATION SYSTEM MODIFICATIONS.
- (34 RI) PROVIDE NEW DIRECTIONAL ARROWS AND LETTERING TO FOLLOW TACO BELL STANDARDS.
- (35 RI) ALL EXISTING UTILITIES TO REMAIN. PROTECT DURING CONSTRUCTION.
- (36 RI) NEW ASPHALT PAVEMENT. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

- ADA NOTES (AD)**
- (1 AD) NEW CONCRETE PAVEMENT WITH 2% (1:50) MAXIMUM SLOPE IN ALL DIRECTIONS. REFER TO DETAIL 4/CT1.0 FOR ADDITIONAL INFORMATION.
  - (2 AD) NEW ACCESS AISLE & HCP STRIPING. STRIPE PER CITY & ADA REQUIREMENTS. REFER TO DETAIL 3/CT1.0 AND ADA REQUIREMENTS ADA1.1 FOR ADDITIONAL INFORMATION.
  - (3 AD) REMOVE AND REPLACE ADA PARKING SIGN. G.C. CONFIRM THAT SIGNAGE CONFORMS TO CITY & ADA REQUIREMENTS. SEE ADA REQUIREMENTS ADA1.1 FOR ADDITIONAL INFO.
  - (4 AD) PROVIDE SMOOTH TRANSITION.
  - (5 AD) CRACK FILL HOLES IN SIDEWALK AND/OR REPAIR CONCRETE TO PROVIDE SMOOTH TRANSITION.
  - (6 AD) NEW 6" CURB, 7" MAX. HEIGHT. REFER TO 5/CT1.0 FOR ADDITIONAL INFORMATION.
  - (7 AD) REMOVE PORTION OF EXISTING ASPHALT PAVEMENT, CONCRETE SIDEWALK AND CURB RAMP.
  - (8 AD) EXISTING CROSSWALK STRIPING TO REMAIN AND MODIFIED FOR NEW WORK.
  - (9 AD) NEW CONCRETE LEVEL LANDING WITH 2% (1:50) MAXIMUM SLOPE IN ALL DIRECTIONS. REFER TO DETAIL 4/CT1.0 FOR ADDITIONAL INFORMATION.
  - (10 AD) NEW CONCRETE WITH A MAXIMUM RUNNING SLOPE OF 5% AND A MAXIMUM CROSS SLOPE OF 2%. REFER TO DETAIL 4/CT1.0 FOR ADDITIONAL INFO.
  - (11 AD) NEW CONCRETE CURB RAMP WITH A MAXIMUM RUNNING SLOPE OF 8.33% AND MAX. CROSS SLOPE OF 2%. DO NOT REPLACE DETECTABLE WARNING. REFER TO DETAIL 4/CT1.0 FOR ADDITIONAL INFO.
  - (12 AD) REMOVE EXISTING WHEEL STOPS. SAVE AND RELOCATE AS REQUIRED. REFER TO DETAIL 6/CT1.0 FOR ADDITIONAL INFORMATION.



**KEY NOTES & LEGEND** **A**

**ARCVISION**  
INCORPORATED  
ARCHITECTURE • ENGINEERING • STORE PLANNING  
SAINT LOUIS / DALLAS / LAS VEGAS / ORLANDO  
1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146  
PH. (314) 415-2400 FAX (314) 415-2300 www.arcv.com



10/27/22

CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCHE  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

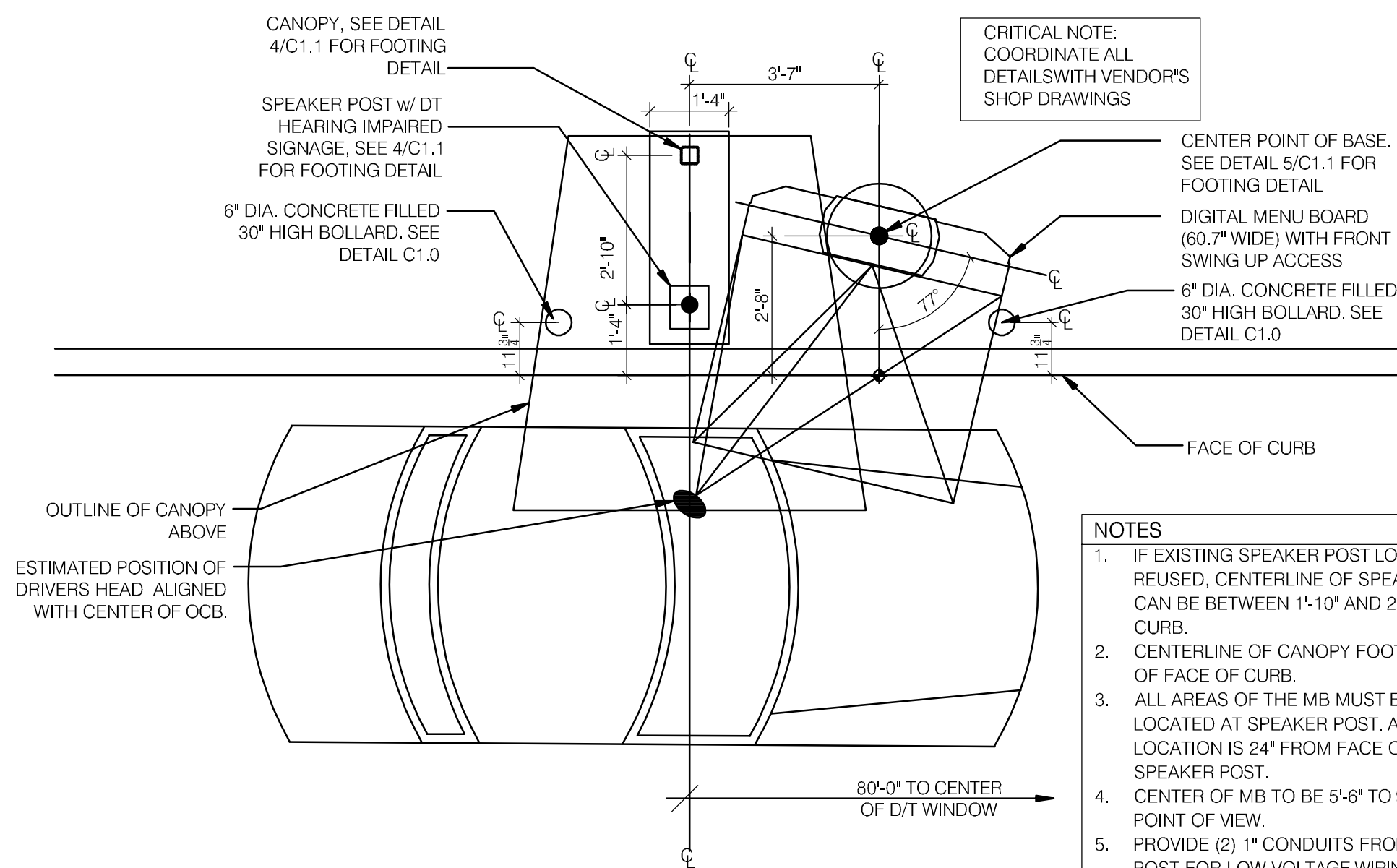
**TACO BELL**  
28993 FORD ROAD  
GARDEN CITY, MI 48135

**MAJOR REMODEL**

**SITE PLAN (ADA UPDATES)**

**CT1.0**

RO SET ISSUED: 10.25.22



- NOTES**
- IF EXISTING SPEAKER POST LOCATION IS TO BE REUSED, CENTERLINE OF SPEAKER POST FOOTING CAN BE BETWEEN 1'-10" AND 2'-10" FROM THE FACE OF CURB.
  - CENTERLINE OF CANOPY FOOTING MUST BE WITHIN 18" OF FACE OF CURB.
  - ALL AREAS OF THE MB MUST BE VISIBLE TO DRIVER LOCATED AT SPEAKER POST. ASSUME DRIVERS LOCATION IS 24" FROM FACE OF CURB, CENTERED ON SPEAKER POST.
  - CENTER OF MB TO BE 5'-6" TO 9'-0" FROM DRIVERS POINT OF VIEW.
  - PROVIDE (2) 1" CONDUITS FROM BUILDING TO SPEAKER POST FOR LOW VOLTAGE WIRING

**ENLARGED MENU BOARD DETAIL @ STRAIGHT CURB** 3/8" = 1'-0" **4**

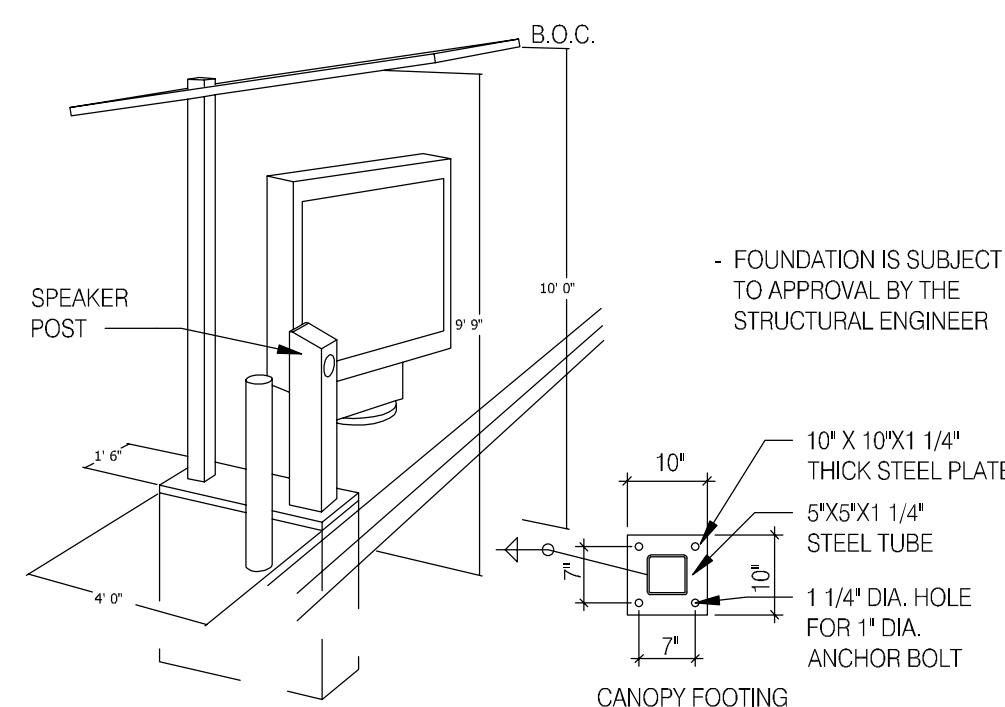
- SOW FOR DMB INSTALL AND VENDORS**
- RSCS TO SUPPLY DMB AND CABLE
  - SIGN VENDOR TO SUPPLY ANCHOR BOLTS AND BOLT PATTERN TO GC.
  - SITE SURVEY - SIGN VENDOR
- NEW BUILD**
- TRENCHING/ CONDUIT- GC
  - FORMING/ FOUNDATION/ ANCHOR BOLTS - GC
  - DMB INSTALL - SIGN VENDOR
  - DMB CABLE PULL - SIGN VENDOR
  - DMB FINAL CONNECTION AND SYSTEM CHECK - SIGN VENDOR
  - ELECTRICAL - PULL BY GC - DEDICATED CIRCUIT

- REMODEL (SUCCESSOR MANDATORY - MIDTERM OPTIONAL FOR F2)**
- EXISTING FOOTING (SKIP TO STEP 4) - SIGN VENDOR
  - TRENCHING/ CONDUIT - SIGN VENDOR
  - FORMING/ FOUNDATION/ ANCHOR-BOLTS (SKIP TO STEP 5) - SIGN VENDOR
  - ANCHOR BOLTS - SIGN VENDOR
  - DIGITAL MD INSTALL - SIGN VENDOR
  - DMB CABLE PULL - SIGN VENDOR
  - DMB FINAL CONNECTION AND SYSTEM CHECK - SIGN VENDOR

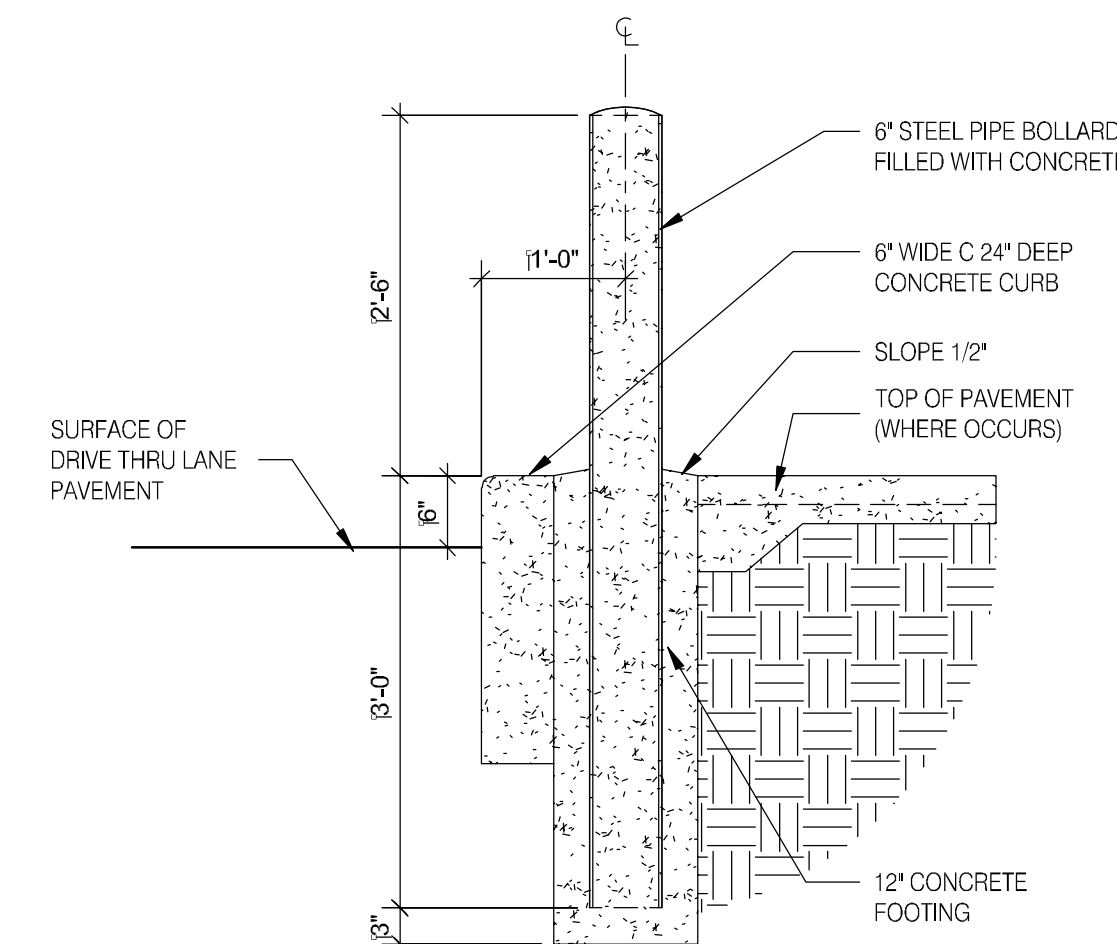
- JUST DMB INSTALL**
- PERMITTING - SIGN VENDOR
  - EXISTING FOOTING (SKIP TO STEP 4) - SIGN VENDOR
  - TRENCHING/ CONDUIT - SIGN VENDOR
  - FORMING/ FOUNDATION/ ANCHOR-BOLTS (SKIP TO STEP 5) - SIGN VENDOR
  - ANCHOR BOLTS - SIGN VENDOR
  - DIGITAL MD INSTALL - SIGN VENDOR
  - DMB CABLE PULL - SIGN VENDOR
  - DMB FINAL CONNECTION AND SYSTEM CHECK - SIGN VENDOR

	REMODEL	NEW BUILDING	RETROFIT
FOUNDATION IS FURTHER THAN 8'	RECOMMEND NEW FOUNDATION WORK FOUNDATION PERFORMED BY GC	N/A	RECOMMEND NEW FOUNDATION WORK PERFORMED BY GC
USING EXISTING FOUNDATION (ALTHOUGH NOT RECOMMENDED)	-	N/A	-
INTEGRATED CANOPY EXISTS	-	N/A	-
BOLLARDS NEEDED - DO NOT PLACE IN FRONT OF MENUBOARD	WORK PERFORMED BY SIGNAGE INSTALLER	WORK PERFORMED BY SIGNAGE INSTALLER	WORK PERFORMED BY SIGNAGE INSTALLER

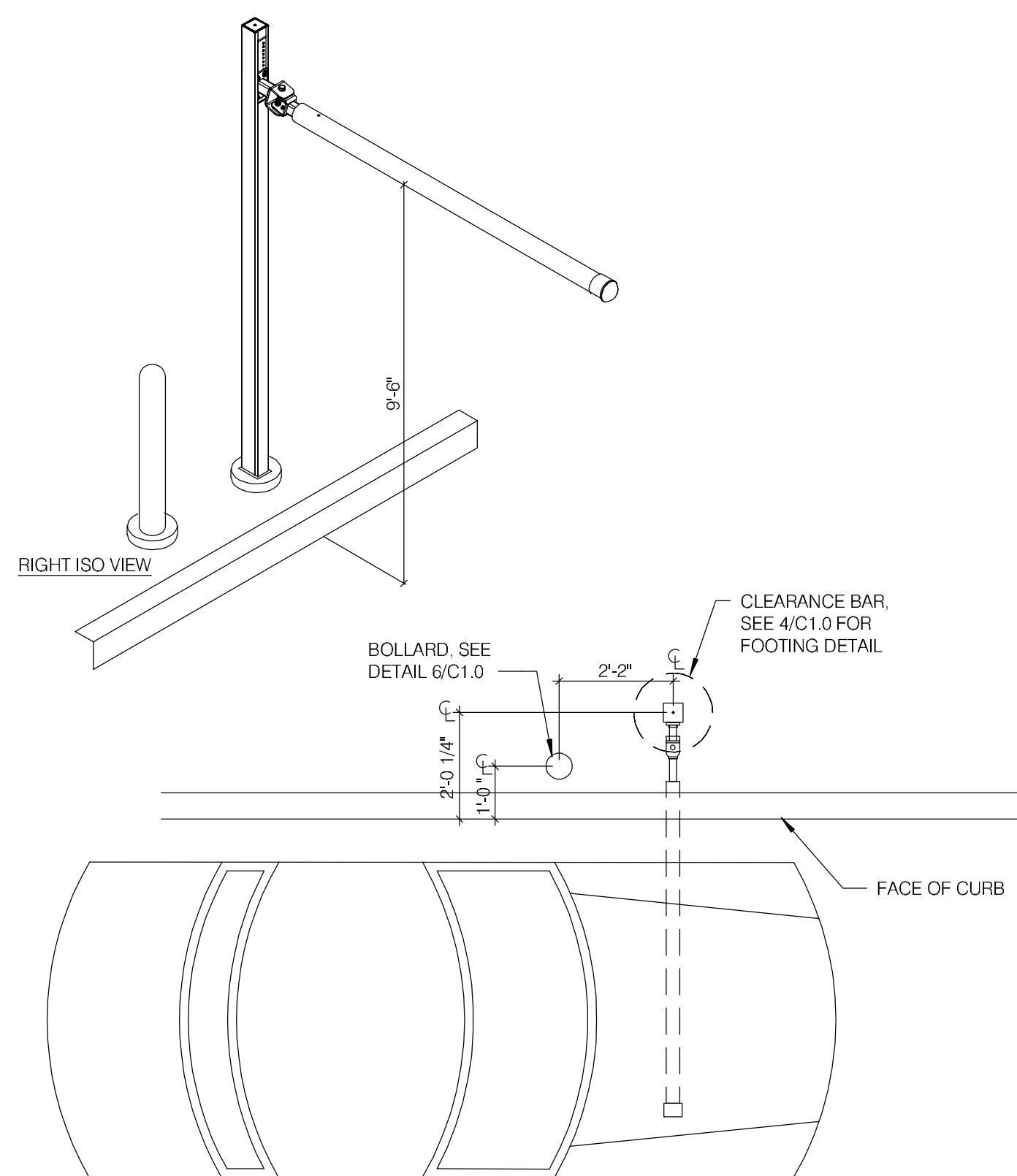
**MENU BOARD SOW** **1**



**CANOPY AND SPEAKER FOOTING** N.T.S. **3**

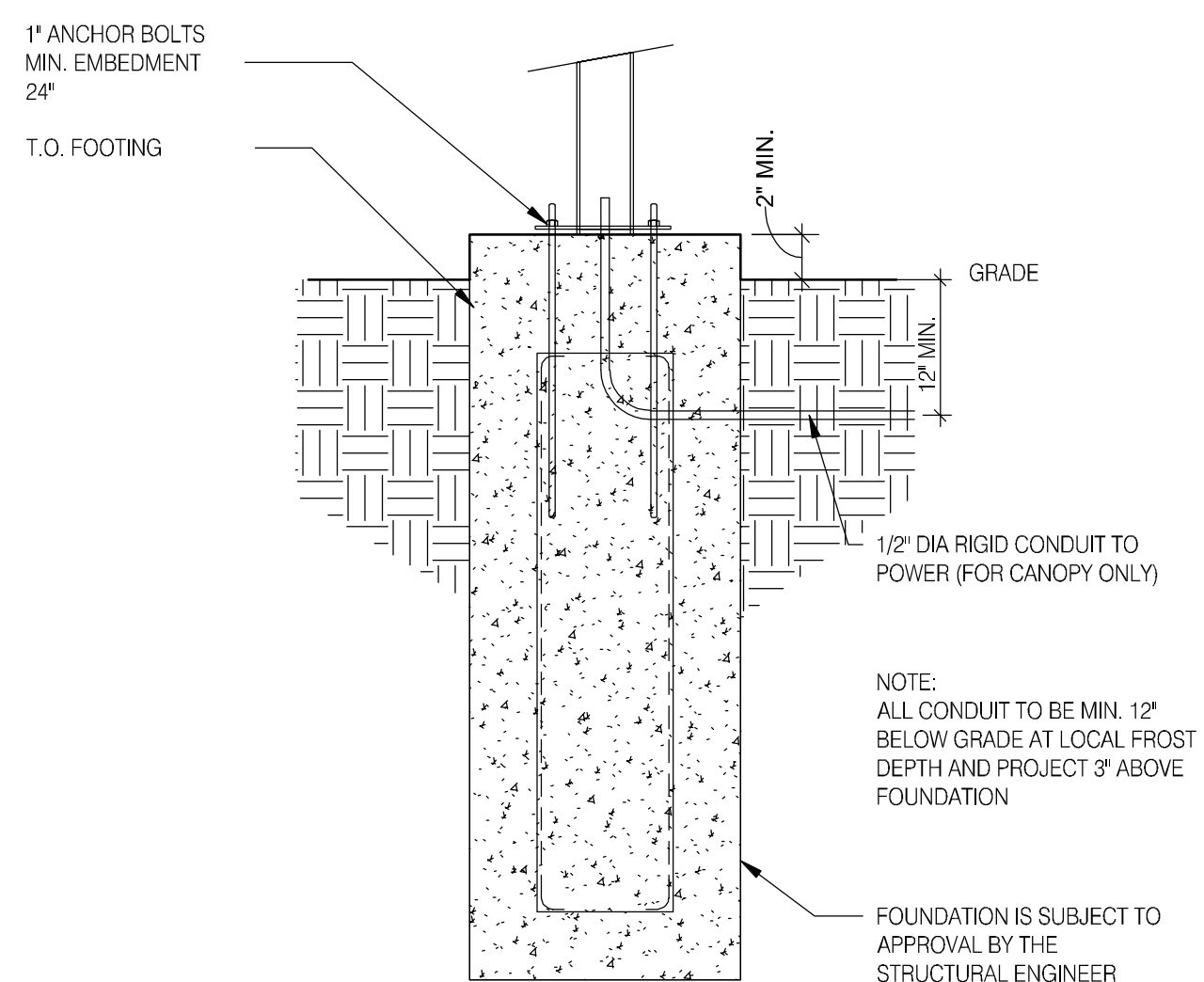
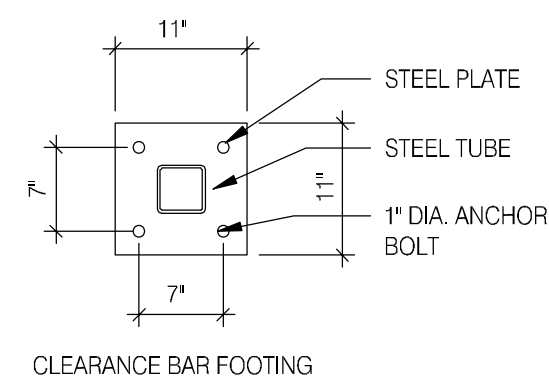


**BOLLARD AT DRIVE THROUGH** N.T.S. **2**



**PORTAL PLACEMENT DETAIL** N.T.S. **7**

**NOTE:** REFER TO CURRENT CUT SHEETS FOR FOOTING BOLT DETAILS

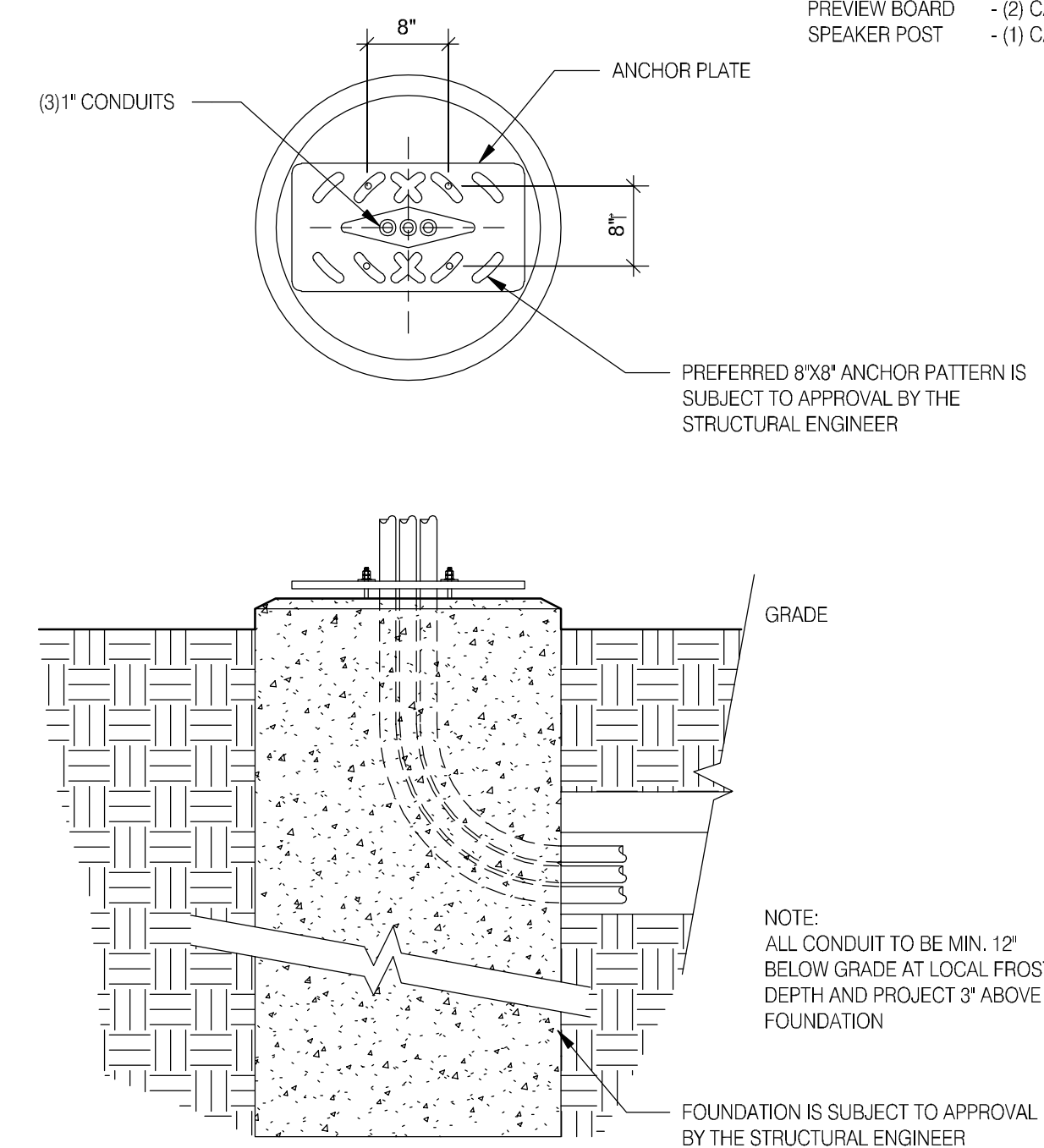


**CLEARANCE BAR/ORDER POINT CANOPY FOOTING** N.T.S. **6**

**CONDUIT SCHEDULE**

DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
SPEAKER POST	(1) 1"	(1) 1"
MENU BOARD	(1) 1"	(2) 1"
PREVIEW BOARD	(1) 1"	(2) 1"

MENU BOARD - (3) CAT 6  
PREVIEW BOARD - (2) CAT 6  
SPEAKER POST - (1) CAT 6



**MENU FOUNDATION** N.T.S. **5**

10/27/22

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ARCVISION NUMBER: 200361

**TACO BELL**

28993 FORD ROAD  
GARDEN CITY, MI 48135



**MAJOR  
REMODEL**

**SITE DETAILS**

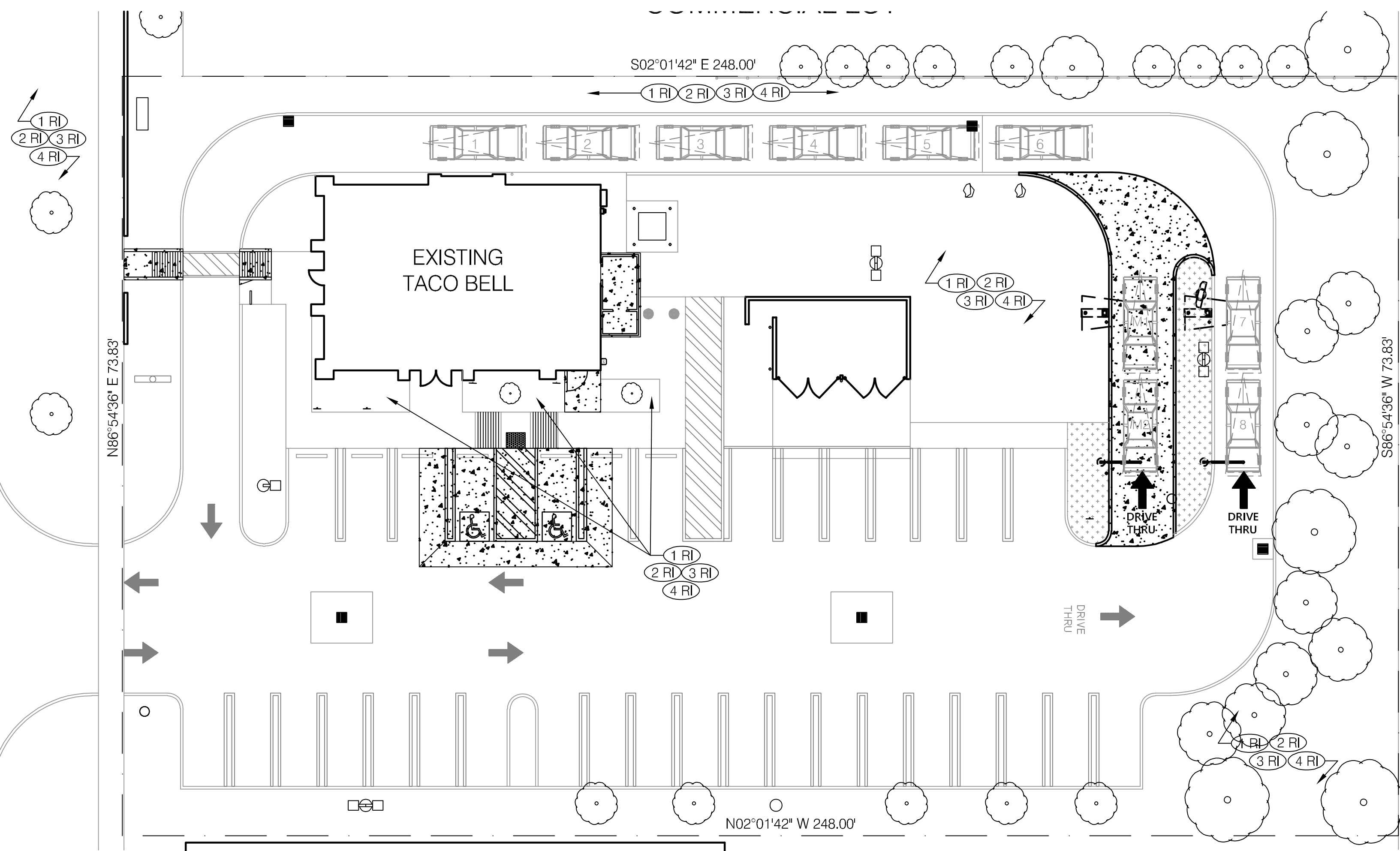
**CT1.1**

R0 SET ISSUED: 10.25.22

**GENERAL LANDSCAPING NOTES:**

- SEE CIVIL ENGINEERS DRAWINGS FOR GRADING AND DRAINAGE INFORMATION NOT SHOWN IN THESE DRAWINGS.
- UPON EXECUTION OF THE CONTRACT, PROVIDE THE LANDSCAPE CONTRACTOR AND OWNER WITH A CRITICAL PATH SCHEDULE TO INCLUDE EACH ITEM, LEAD TIME, ORDER AND INSTALLATION DATE FOR SUBSTANTIAL COMPLETION.
- PROVIDE FOR POSITIVE DRAINAGE. NOTIFY LANDSCAPE CONTRACTOR IF SITE CONDITIONS ARE OTHERWISE. MAINTAIN FLOWLINES AND DRAINAGE PATTERNS AS INDICATED ON ENGINEERS GRADING DRAWINGS.
- VERIFY AND STAKE LOCATION OF UTILITIES PRIOR TO CONSTRUCTION AND AS REQUIRED BY GOVERNING AGENCIES. LANDSCAPE CONTRACTOR TO BE HELD LIABLE FOR DAMAGES TO EXISTING UTILITIES INCURRED BY INSTALLATION OF THE WORK.
- REPAIR AND REPLACE ANY EXISTING IMPROVEMENTS THAT ARE DAMAGED DURING CONSTRUCTION.
- CHECK DIMENSIONS, FRAMING CONDITIONS AND SITE CONDITIONS BEFORE STARTING WORK. IF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES BETWEEN THE DRAWINGS AND THE SPECIFICATIONS WITH FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND OWNER.
- VERIFY PROPERTY LINES PRIOR TO COMMENCING WORK. NO CONSTRUCTION ITEM, INCLUDING FOOTINGS, SHALL EXTEND BEYOND PROPERTY LINE.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUB CONTRACTORS AS REQUIRED TO ACCOMPLISH THE WORK. PIPING, CONDUIT AND SLEEVES SHALL BE SET IN PRIOR TO INSTALLATION OF CONSTRUCTION ITEMS.
- PROPOSED SURFACED SHALL MEET EXISTING SURFACES WITH SMOOTH AND CONTINUOUS TRANSITION AND FLUSH ALONG ENTIRE EDGE.
- COORDINATE AND COOPERATE WITH CONTRACTORS OF ATTACHED, ADJOINING AND INTERFACING WORK OF OTHER TRADES.
- MATERIALS AND WORKMANSHIP MUST CONFORM TO THE LATEST BUILDING CODES AND APPLICABLE GOVERNING AGENCY CODES AND ORDINANCES. IF DISCREPANCIES EXIST, NOTIFY ARCHITECT IMMEDIATELY.

FORD ROAD



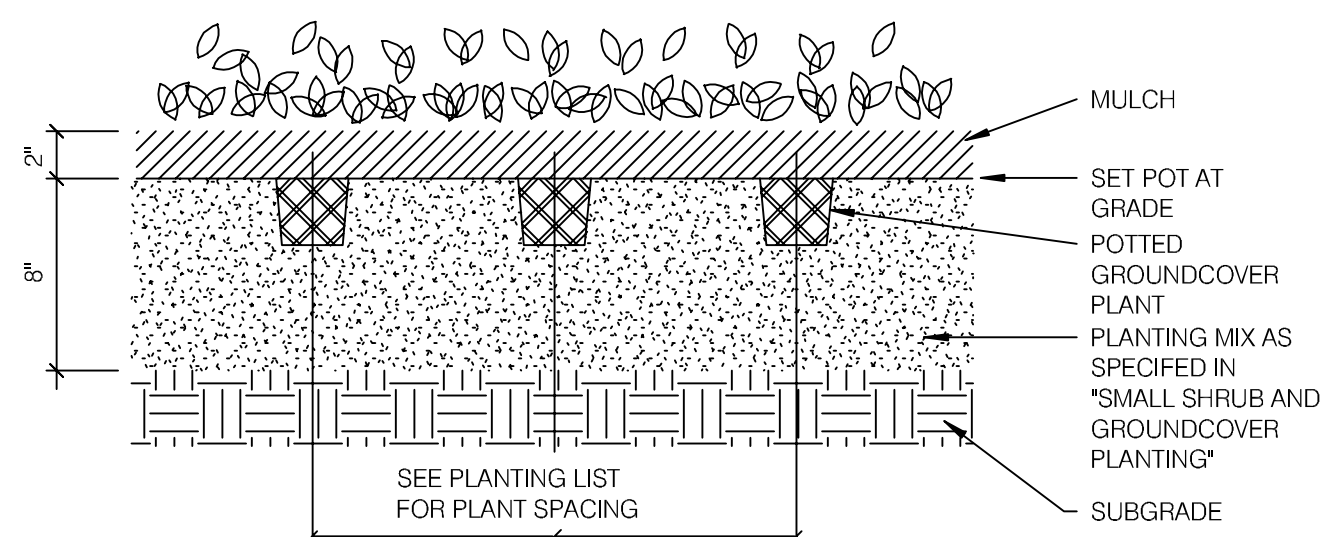
PARDO AVE



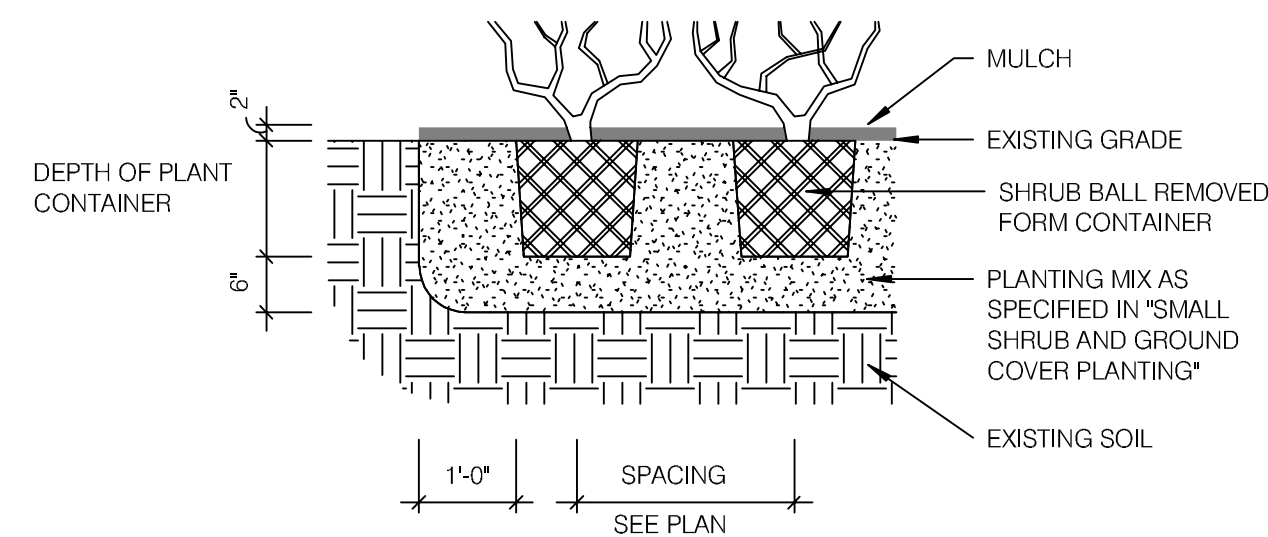
**GENERAL LANDSCAPING NOTES B**

**LANDSCAPE PLAN N.T.S.**

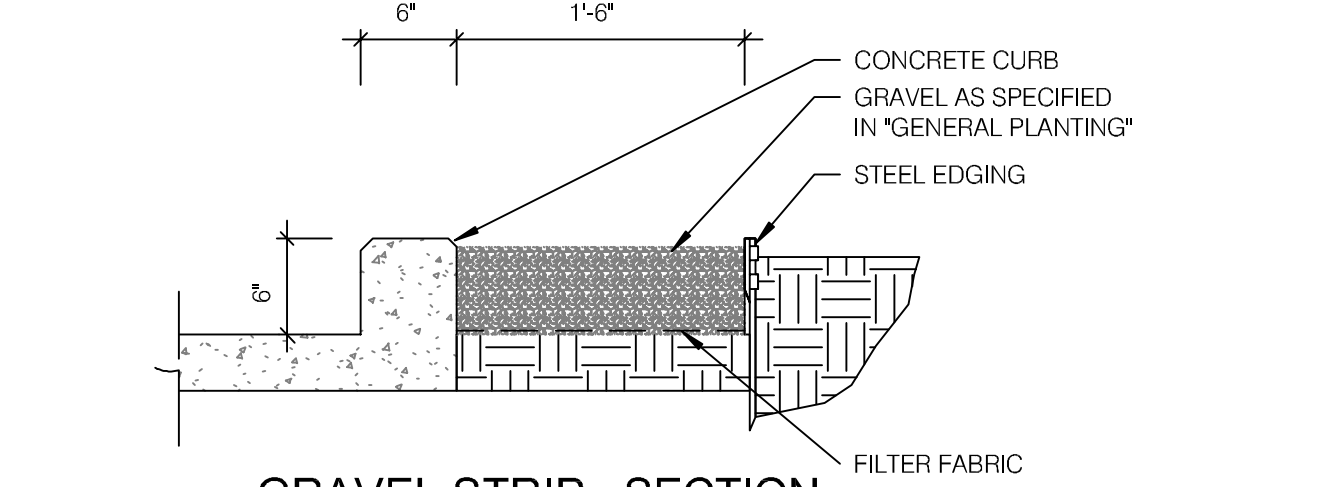
**A**



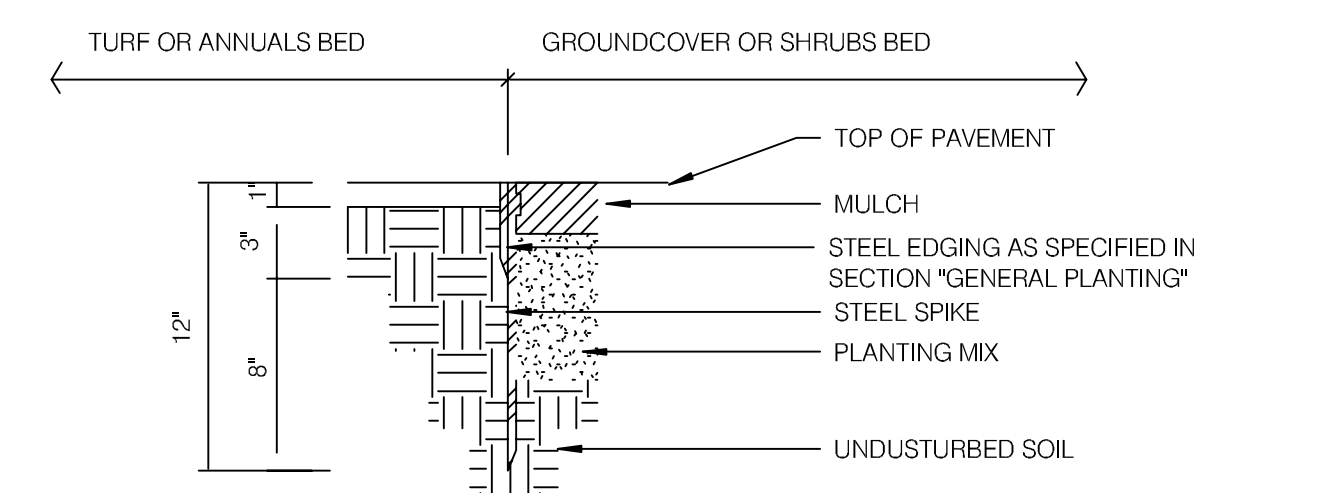
**GROUNDCOVER PLANTING - SECTION**



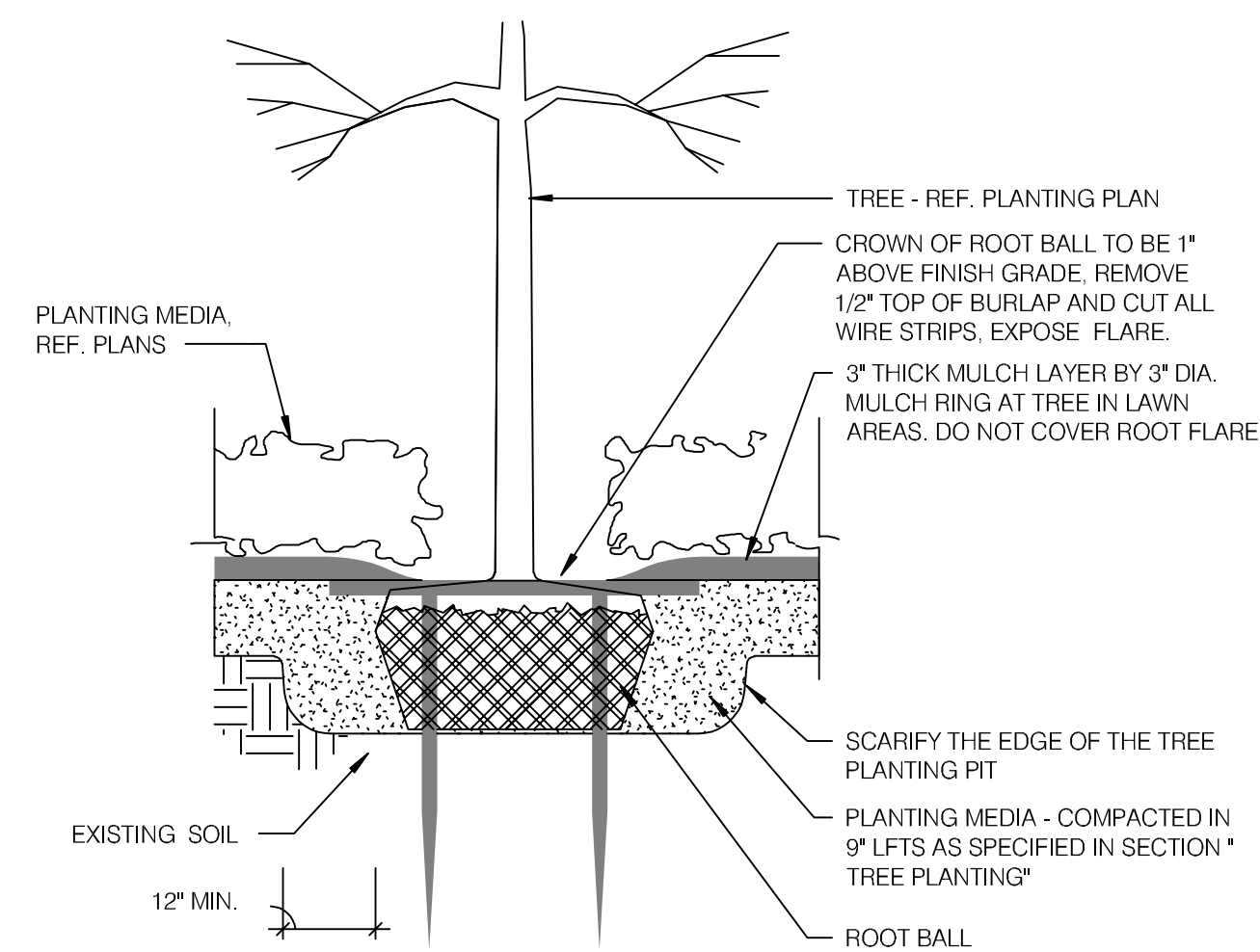
**SHRUB PLANTING - SECTION**



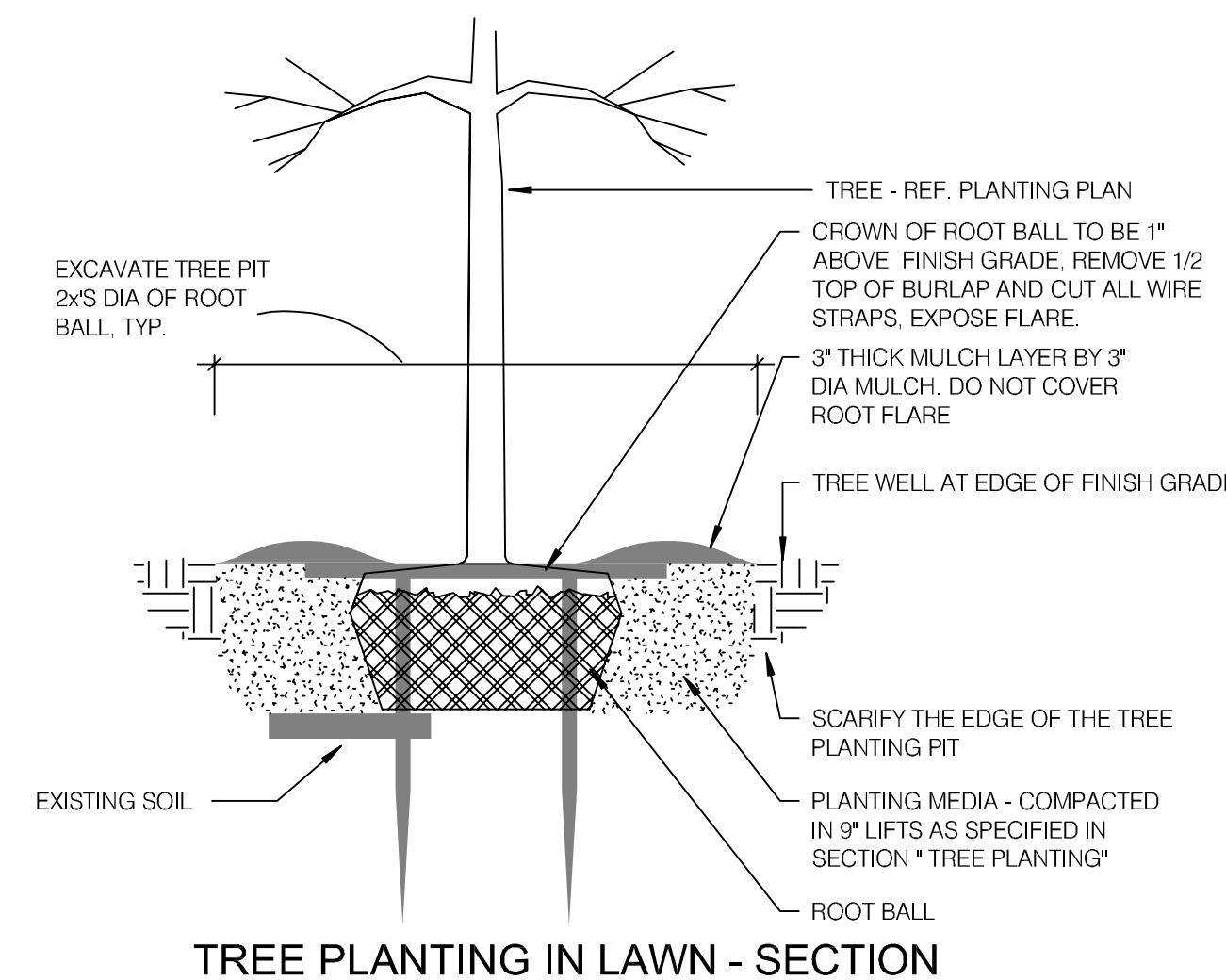
**GRAVEL STRIP - SECTION**



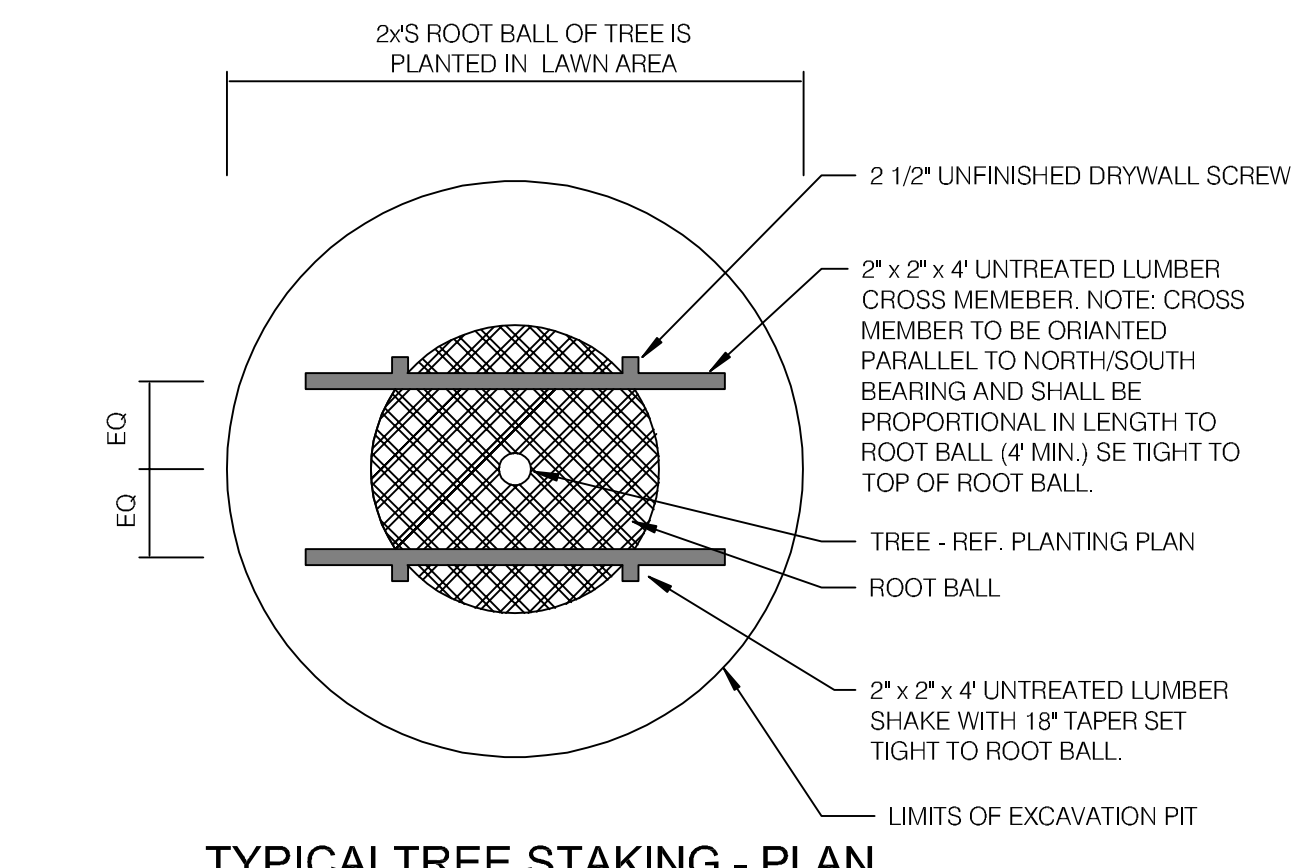
**STEEL EDGING - SECTION**



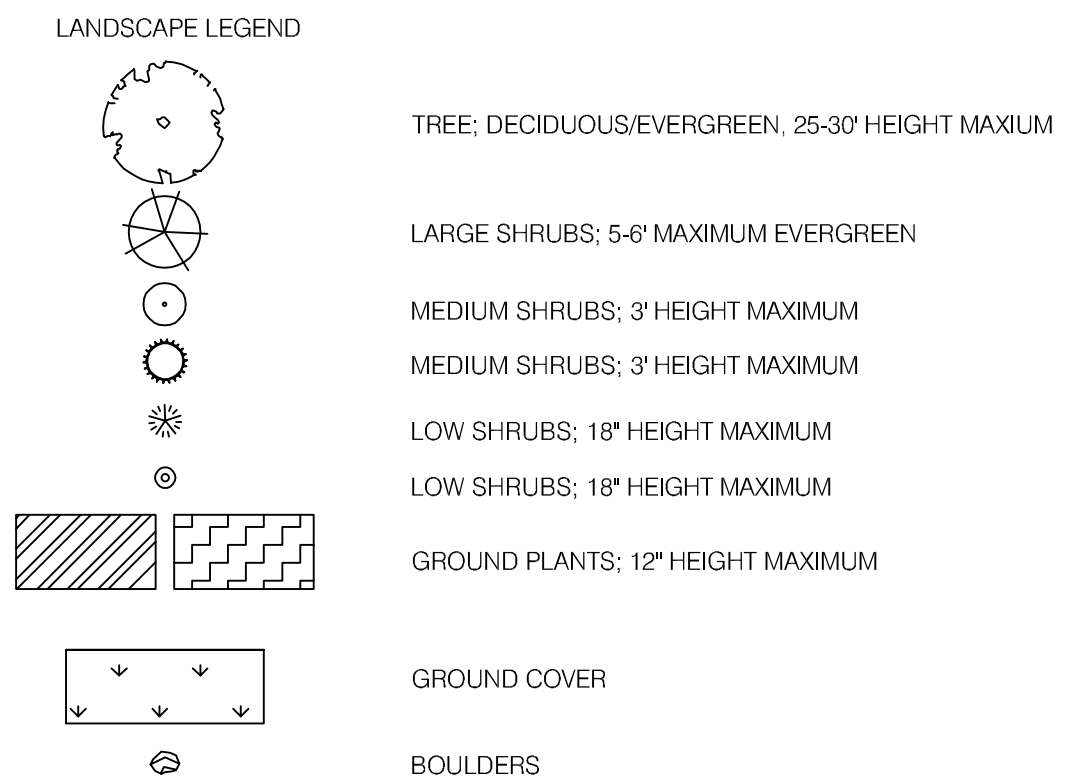
**TREE PLANTING IN PLANTER - SECTION**



**TREE PLANTING IN LAWN - SECTION**



**TYPICAL TREE STAKING - PLAN**



**PLANTING SYMBOL LEGEND 1" = 1'-0"**

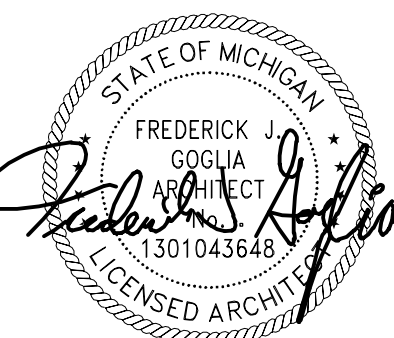
- REMODEL IMAGE (RI)**
- (1 RI) IRRIGATION NEEDS TO BE ADDED/EXTENDED AS REQUIRED FOR NEW ISLANDS AND AT ALL LOCATIONS WHERE PLANTS ARE BEING ADDED.
  - (2 RI) REFER TO CURRENT TACO BELL LANDSCAPE PLAYBOOK ON TACOBELLPLANS.COM FOR DIFFERENT SITE LAYOUTS AND REGION SPECIFIC PLANTS, DETAILS GENERAL NOTES AND SPECIFICATIONS.
  - (3 RI) REFER TO SHEET CT1.0, CT1.1 AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
  - (4 RI) SEE LANDSCAPE DETAILS E/L1.0 FOR ADDITIONAL INFORMATION.

**LANDSCAPE DETAILS 1" = 1'-0"**

**E**

**KEYNOTES N.T.S.**

**D**



10/27/22

**TACO BELL**

28993 FORD ROAD  
GARDEN CITY, MI 48135

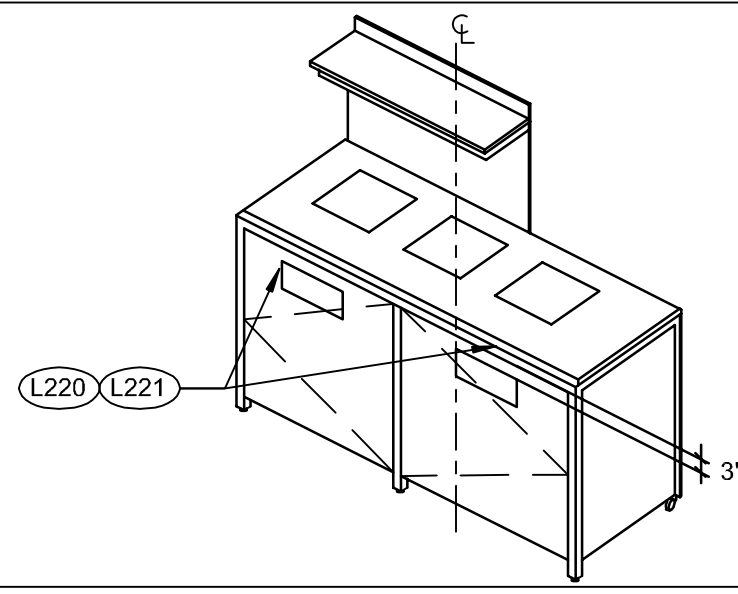


**MAJOR REMODEL**

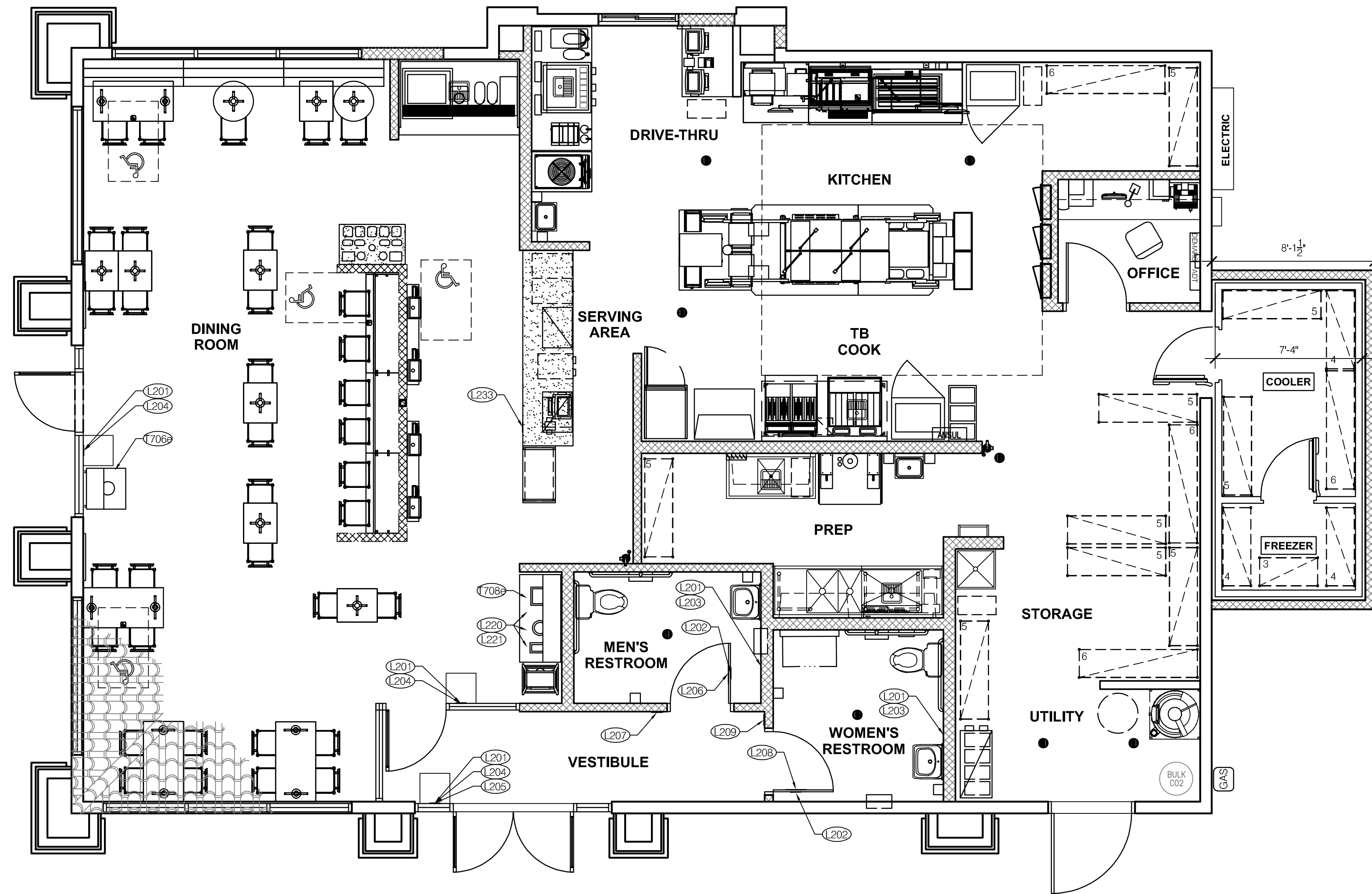
**LANDSCAPE PLAN & DETAILS**

**L1.0**

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**3-STREAM TRASH** N.T.S. **4**



**SIGNAGE PLAN** 1/4" = 1'-0" **1**

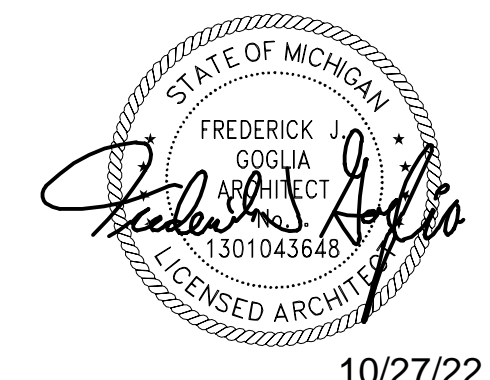
TAG	SIGN DESCRIPTION	SIGN VERBIAGE	SIZE	MOUNTING HEIGHT	QTY	LOCATION IN RESTAURANT
L201	Smoking	No Smoking or electronic cigarette use. This is a smoke free establishment	1/16 x 9 x 6	60" A.F.F.	5	1 at each exit 1 in each restroom
L202	Clean Restroom	To our customers: We check our restrooms every 30 minutes to make sure they are always ready for you. If we have missed something, please tell our manager on duty. Thank you	1/16 x 6 x 9	60" A.F.F.	2	1 inside each restroom (back of restroom door)
L203	Hand Wash Notice	Employees must wash hands before returning to work	1/16 x 6 x 6	60" A.F.F.	2	1 inside each restroom near sink
L204	Exit (w/ Braille)	Exit	1/16 x 6 x 6	60" A.F.F.	3	1 at each customer exit, mounted on wall, according to ADA guidelines
L205	Occupancy	Maximum occupancy xxx persons	1/16 x 6 x 6	48" A.F.F.	1	Near customer exit, only 1 is needed
L206	Men's Restroom Triangle (W/B)	INFOGRAPHIC of male	1/4 x 12 x 12	60" A.F.F.	1	Mounted on men's restroom door
L207	Men's Restroom (w/ Braille)	INFOGRAPHIC of male and braille to read: Men's restroom	1/4 x 10 x 6.5	60" A.F.F.	1	Mounted on wall next to restroom door. Refer to plans and ADA guidelines for exact location
L208	Women's Restroom Circle (W/B)	INFOGRAPHIC of female	1/4 x 12 x 12	60" A.F.F.	1	Mounted on women's restroom door
L209	Women's Restroom (w/ Braille)	INFOGRAPHIC of female and braille to read: Women's restroom	1/4 x 10 x 6.5	60" A.F.F.	1	Mounted on wall next to restroom door. Refer to plans and ADA guidelines for exact location
L233	If you need assistance? ADA	Please ask if you need assistance. And ADA infographic	1/16 x 3 x 6	---	1	At front counter near POS machine

**STANDARD REQUIRED SIGNAGE** **3**

TAG	SIGN DESCRIPTION	SIGN VERBIAGE	SIZE	MOUNTING HEIGHT	QTY	LOCATION IN RESTAURANT	LOCATION EQUIVALENT
L220	Landfill / Compost / Recycle	Landfill / Compost / Recycle	1/16 x 8.5 x 3	60" A.F.F.	SET OF 3	Mount on front doors of trash receptacle at top. MUST ALSO ORDER L222. Match label with shape on top of trash receptacle	L221 (use if restaurant is NOT COMPOSTING)
L221	Landfill / Plastic, Metal, Glass / Paper	Landfill / Plastic, Metal, Glass / Paper	1/16 x 8.5 x 3	60" A.F.F.	SET OF 3	Mount on front doors of trash receptacle at top. MUST ALSO ORDER L223. Match label with shape on top of trash receptacle	L220 (use if restaurant is COMPOSTING)

**ALTERNATE SIGNAGE** **2**

**ARCVISION**  
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**SIGNAGE PLAN**

**G4.0**

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3 STREAM TRASH 1 - BIN LABELS (L220) 13



WOMEN RESTROOM WHITE SIGN (L208) 9



EXIT BRAILLE SIGN (L204) 5



NO SMOKING SIGN (L201) 1



3 STREAM TRASH 2 - LABELS (L221) 14



WOMEN RESTROOM BRAILLE SIGN (L209) 10



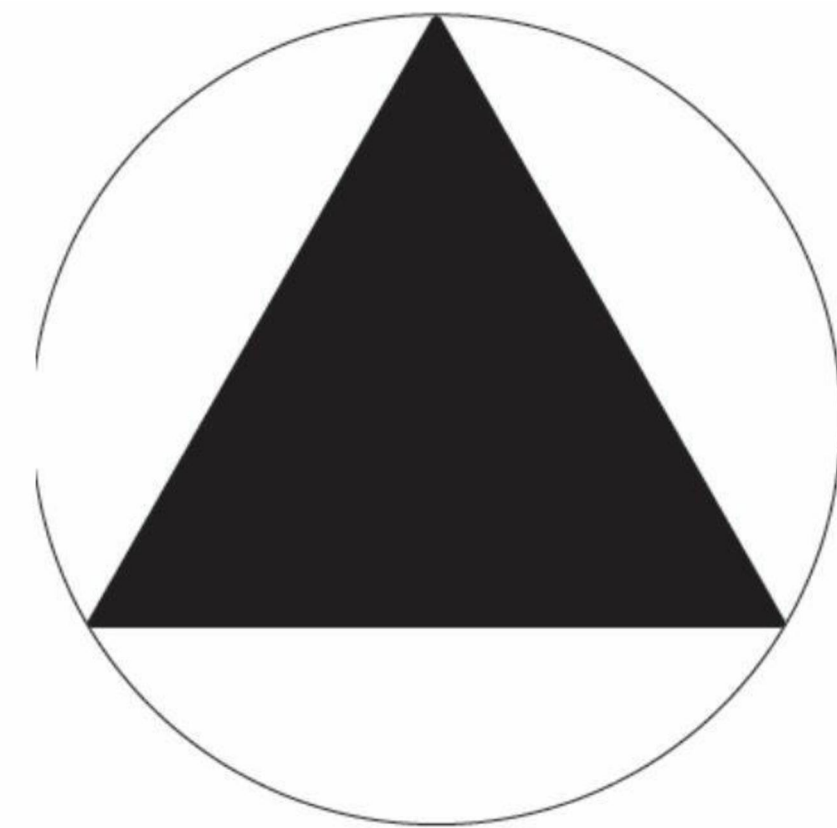
OCCUPANCY SIGN (L205) 6



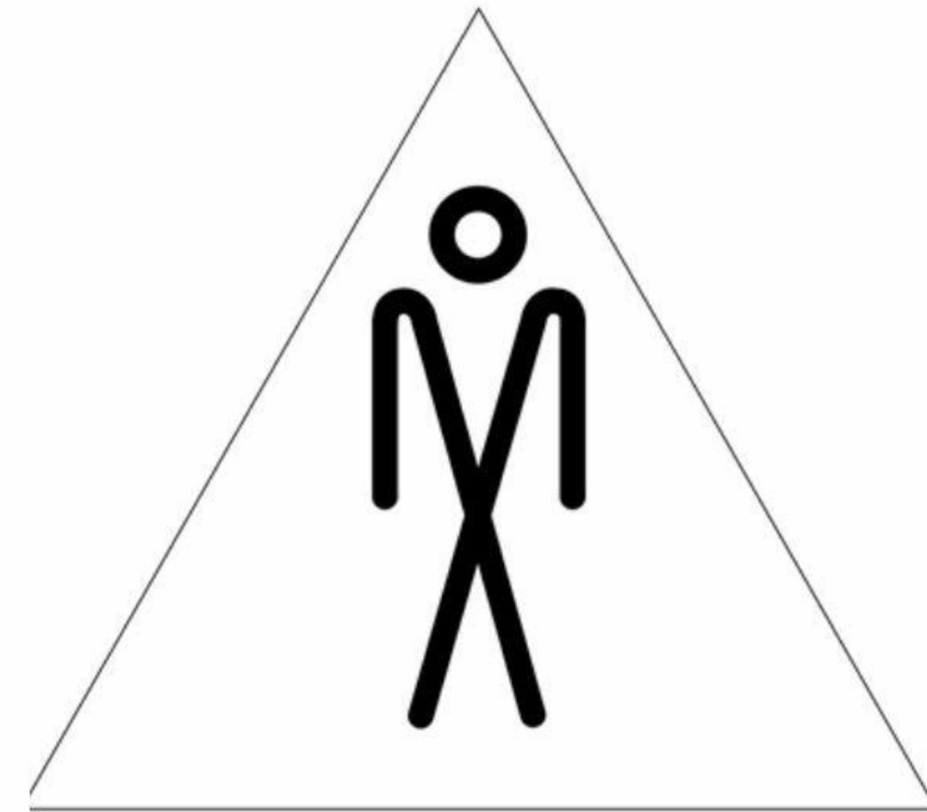
Thank you



10/27/22



GENDER NEUTRAL RESTROOM SIGNAGE (L228) 11



MEN RESTROOM WHITE SIGN (L206) 7



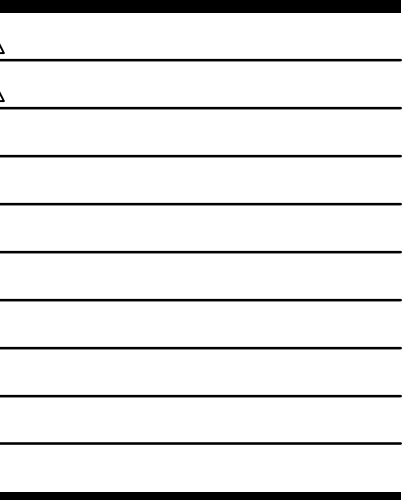
IF YOU NEED ASSISTANCE (L233) 12



MEN RESTROOM BRAILLE SIGN (L207) 8



HAND WASH NOTICE SIGN (L203) 4



CONTRACT DATE: BUILDING TYPE: M70HD PLAN VERSION: MAJOR BRAND DESIGNER: FRANK WANCHO SITE NUMBER: 17105 ARCVISION NUMBER: 200361

TACO BELL 28993 FORD ROAD GARDEN CITY, MI 48135



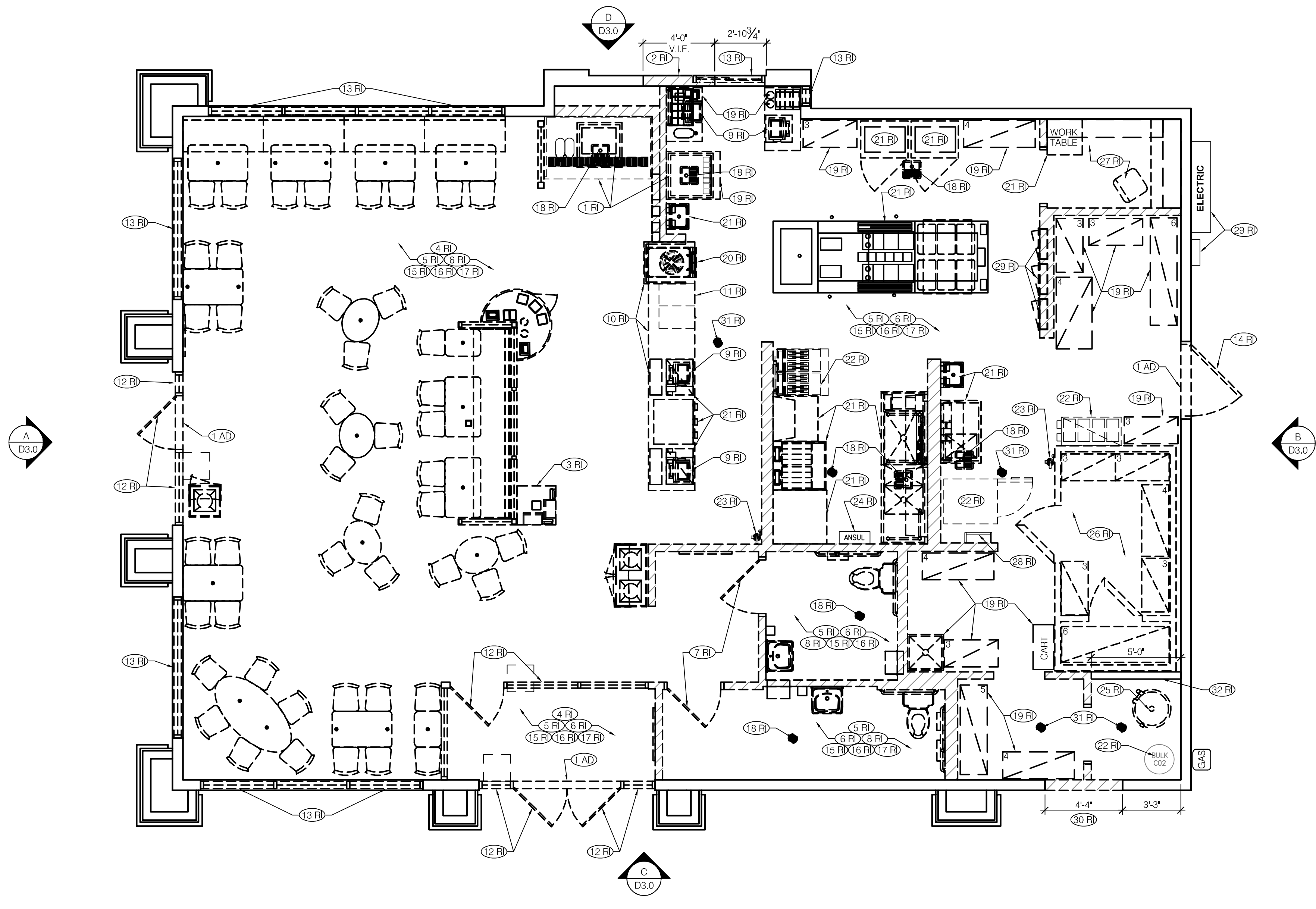
MAJOR REMODEL

SIGNAGE DETAILS

G4.1

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**DEMO FLOOR PLAN** 1/4" = 1'-0" **A**

DEMOLITION LEGEND		D
	TYPICAL EXISTING EXTERIOR WALL; 2X6 WOOD STUDS @ 16" O.C. W/ 1/2" PLYWOOD (EXP 1) SHEATHING	
	TYPICAL EXISTING INTERIOR WALL TO REMAIN: 2X4 WOOD STUDS @ 16" O.C. (U.N.O)	
	DEMO ITEMS AS INDICATED (SEE KEY NOTES)	

DEMOLITION NOTES		C
A.	INSPECT INTERIOR AND EXTERIOR WALLS. REPLACE ANY DAMAGED SUBSTRATE AT WALLS ETC. INSPECT DINING ROOM WINDOWS & WALLS BELOW WINDOWS FOR EVIDENCE OF MOISTURE DAMAGE & IMPROPERLY INSTALLED FLASHING; REPAIR AS REQUIRED. VERIFY WITH OWNER.	
B.	ROOF RECOMMENDATIONS: INSPECTION OF EXISTING ROOF BY QUALIFIED ROOFER IS RECOMMENDED. REPLACE ROOF IF WARRANTED. VERIFY ALL ACTIONS WITH OWNER.	
C.	SEE SITE PLAN FOR ANY SITE DEMO WORK.	
D.	POS. SECURITY, SAFE DRINK SYSTEM AND FRUITISTA MACHINE SHALL BE TEMPORARILY RELOCATED PER STORE MANAGERS DIRECTION BY AUTHORIZED TECHNICIANS. OWNER SHALL COORDINATE. SEE 3RD PARTY SCOPE OF WORK.	
E.	TABLES AND CHAIRS ARE FIXED ELEMENTS AND REMOVAL/DEMOLITION WILL REQUIRE UNBOLTING AND/ OR CUTTING/ CHIPPING OF EMBEDDED ELEMENTS IN THE SLAB. CONTRACTOR SHALL CAREFULLY SURVEY THE TABLES AND CHAIRS AND INCLUDE PROPER MEANS AND METHODS FOR COMPLETE REMOVAL OF FURNITURE AND PATCHING OF SLAB OR OTHER BUILDING ELEMENTS AND FINISHES AS REQUIRED.	

REMODEL IMAGE (RI)	
(1 RI)	EXISTING SELF SERVE DRINK TABLE TO BE RELOCATED. PEPSI MACHINES TO BE REMOVED BY PEPSI TECHNICIAN. EXISTING ICE MACHINES TO BE REMOVED AND SAVED FOR REINSTALL BY G.C. REFER TO SEATING AND EQUIPMENT PLAN A2.0 FOR ADDITIONAL INFORMATION.
(2 RI)	REMOVE PORTION OF EXISTING EXTERIOR WALL FROM TOP OF EXISTING SILL TO TOP OF HEADER OPENING. PATCH & REPAIR EXISTING ADJACENT SURFACES. PREPARE AREAS TO RECEIVE NEW FINISHES. REFER TO EXTERIOR ELEVATIONS A4.0 AND A4.1 FOR ADDITIONAL INFORMATION.
(3 RI)	REMOVE EXISTING KIOSKS, STORE AND SAVE FOR RE-INSTALLATION. REFER TO SEATING AND EQUIPMENT PLAN A2.0 FOR ADDITIONAL INFORMATION.
(4 RI)	REMOVE AND DISCARD ALL DINING AREA SEATS, TABLES, CORED DRILLED POST, ARTWORK, TRASH ENCLOSURES, HIGHCHAIRS, BANQUETTE DIVIDER WALLS & CONDIMENT TABLE.
(5 RI)	REMOVE ALL EXISTING TILE FLOORING & COVE BASE IN DINING AREA, VESTIBULE, WOMEN & MEN'S RESTROOM, SERVICE AREA, AND THROUGHOUT BOH.
(6 RI)	REMOVE FINISHES ON ALL INTERIOR WALLS FOH AND BOH THROUGHOUT THE BUILDING. ALL INTERIOR WALLS TO BE REMOVED (SHOWN HATCHED) U.N.O. REFER TO FLOOR PLAN A1.0 FOR ADDITIONAL INFORMATION.
(7 RI)	REMOVE EXISTING INTERIOR DOOR AND FRAME. REFER TO FLOOR PLAN A1.0 FOR ADDITIONAL INFORMATION.
(8 RI)	REMOVE AND DISCARD ALL RESTROOM FIXTURES AND ACCESSORIES. REFER TO RESTROOM PLAN A8.2 FOR ADDITIONAL INFORMATION.
(9 RI)	REMOVE ALL POS EQUIPMENT AT SERVICE COUNTER AND DRIVE-THRU. DISCONNECTED AND REMOVED BY PAR TECHNICIAN.
(10 RI)	EXISTING SERVICE COUNTER STRUCTURE AND SHROUD TO BE REMOVED COMPLETELY. REFER TO EQUIPMENT AND SEATING PLAN A2.0 FOR ADDITIONAL INFORMATION.
(11 RI)	EXISTING SAFE TO BE DISCONNECTED AND RELOCATED BY BRINKS TECHNICIAN.
(12 RI)	REMOVE EXISTING STOREFRONT DOORS, WINDOW/FRAME AND THE VESTIBULE. REFER TO FLOOR PLAN A1.0 AND DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.
(13 RI)	EXISTING WINDOW/FRAME TO BE REMOVED. REMOVE SOLID SURFACE WINDOW SILLS. REFER TO FLOOR PLAN A1.0 AND DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.
(14 RI)	REMOVE EXISTING H.M. DOOR AND FRAME. REFER TO FLOOR PLAN A1.0 AND DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.
(15 RI)	REMOVE ALL ELECTRIC WIRES AND DATA THROUGHOUT THE BUILDING AND PREP FOR NEW WIRING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
(16 RI)	PATCH AND REPAIR CONCRETE SLAB THROUGHOUT AS REQUIRED, PREP FOR NEW FLOOR FINISHES.
(17 RI)	REMOVE ANY REMAINING SUBSTRATE TO THE STUD ON ALL EXTERIOR WALLS. EXTERIOR WALLS AND ROOF STRUCTURE TO BE TO INSPECTED AND NOTIFY CONSTRUCTION MANAGER OF REQUIRED REPAIRS. REMOVE EXISTING INSULATION AND PREP FOR NEW INSULATION AFTER INSPECTION AND NECESSARY REPAIRS.
(18 RI)	EXISTING FLOOR SINK/DRAIN TO BE REMOVED. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
(19 RI)	EXISTING DRIVE THRU WORK TABLES, UNDER COUNTER CABINETS, CUP DISPENSER, & ALL SHELVES THROUGHOUT BOH TO BE REMOVED. REFER TO SEATING & EQUIPMENT PLAN A2.0 FOR ADDITIONAL INFORMATION.
(20 RI)	EXISTING ICEE MACHINE TO BE REMOVED BY AUTHORIZED ICEE TECHNICIAN. REFER TO SEATING AND EQUIPMENT PLAN FOR ADDITIONAL INFORMATION.
(21 RI)	EXISTING BOH EQUIPMENT TO BE REMOVED, U.N.O. COORDINATE WITH OPERATIONS.
(22 RI)	EXISTING BOH EQUIPMENT TO BE REMOVED AND SAVED FOR RELOCATION. REFER TO SEATING AND EQUIPMENT PLAN A2.0 FOR ADDITIONAL INFORMATION.
(23 RI)	EXISTING FIRE EXTINGUISHER TO BE REMOVED & SAVED FOR RELOCATION. REFER TO FLOOR PLAN A1.0 FOR ADDITIONAL INFORMATION.
(24 RI)	ANSUL SYSTEM TO BE REMOVED AND SAVED FOR REINSTALLATION. REFER TO SEATING AND EQUIPMENT PLAN A7.2 FOR ADDITIONAL INFORMATION.
(25 RI)	REMOVE AND REPLACE EXISTING WATER HEATER. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
(26 RI)	EXISTING WALK-IN COOLER/FREEZER AND SHELVING TO BE REMOVED. REFER TO SEATING & EQUIPMENT PLAN A2.0 FOR ADDITIONAL INFORMATION.
(27 RI)	EXISTING OFFICE COUNTERTOP & SHELVING TO BE REMOVED. PC AND TABLET TO BE DISCONNECTED AND SAVED FOR REINSTALLATION BY PAR TECHNICIAN. REFER TO OFFICE PLAN A8.3 FOR ADDITIONAL INFORMATION.
(28 RI)	EXISTING LADDER TO BE REMOVED, SAVED AND REINSTALLED.
(29 RI)	REMOVE EXISTING ELECTRIC PANELS. EXISTING MAIN PANEL TO REMAIN. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
(30 RI)	PORTION OF EXISTING EXTERIOR WALL TO BE REMOVED FOR NEW DOOR OPENING. PREP WALL FRAMING TO RECEIVE NEW HEADER AT OPENING. SEE STRUCTURAL AND NEW EXTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
(31 RI)	EXISTING FLOOR DRAIN TO BE MODIFIED AS REQUIRED TO BE LEVEL WITH NEW FLOORING. ALL PLUMBING LINES TO CLEANED AND SCOPED TO CONFIRM CONDITION. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
(32 RI)	PORTION OF EXISTING WALL TO REMAIN. EXISTING WATER METER TO REMAIN. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.

DEMOLITION KEY NOTES		B
(1 AD)	REMOVE EXISTING THRESHOLD. REFER TO FLOOR PLAN A1.0 FOR ADDITIONAL INFORMATION.	
<b>ADA NOTES (AD)</b>		

CONTRACT DATE: M70HD  
 BUILDING TYPE: MAJOR  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
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 GARDEN CITY, MI 48135

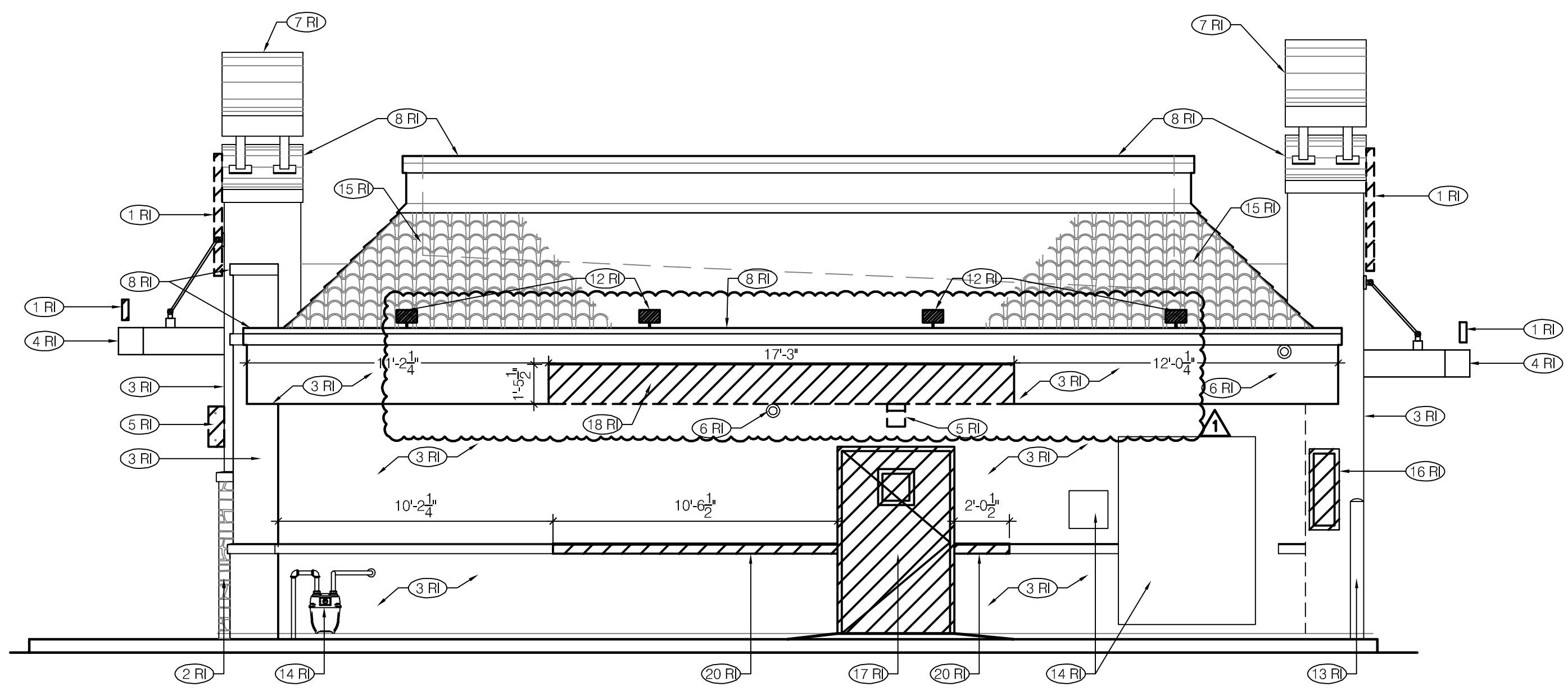
**MAJOR REMODEL**  
**DEMOLITION FLOOR PLAN**

**D1.0**  
 R0 SET ISSUED: 10.25.22

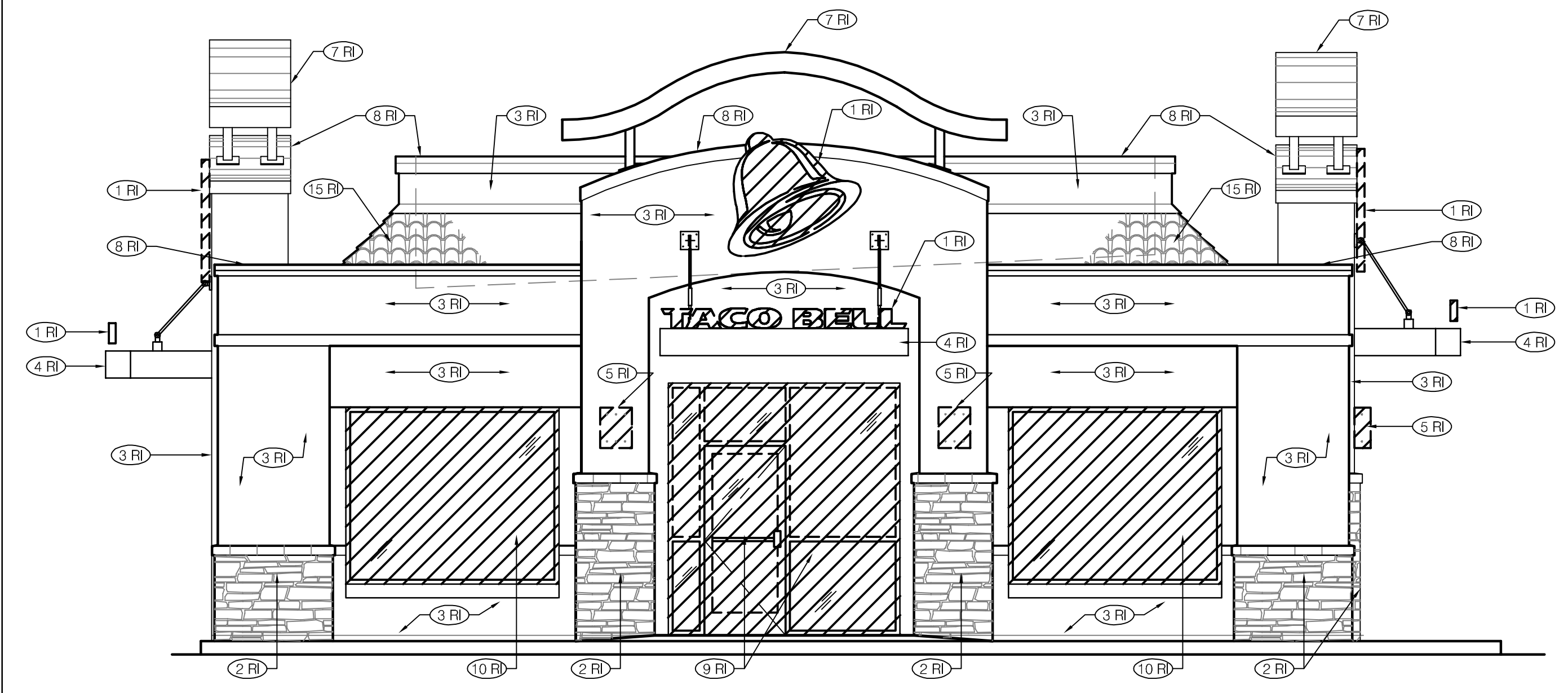
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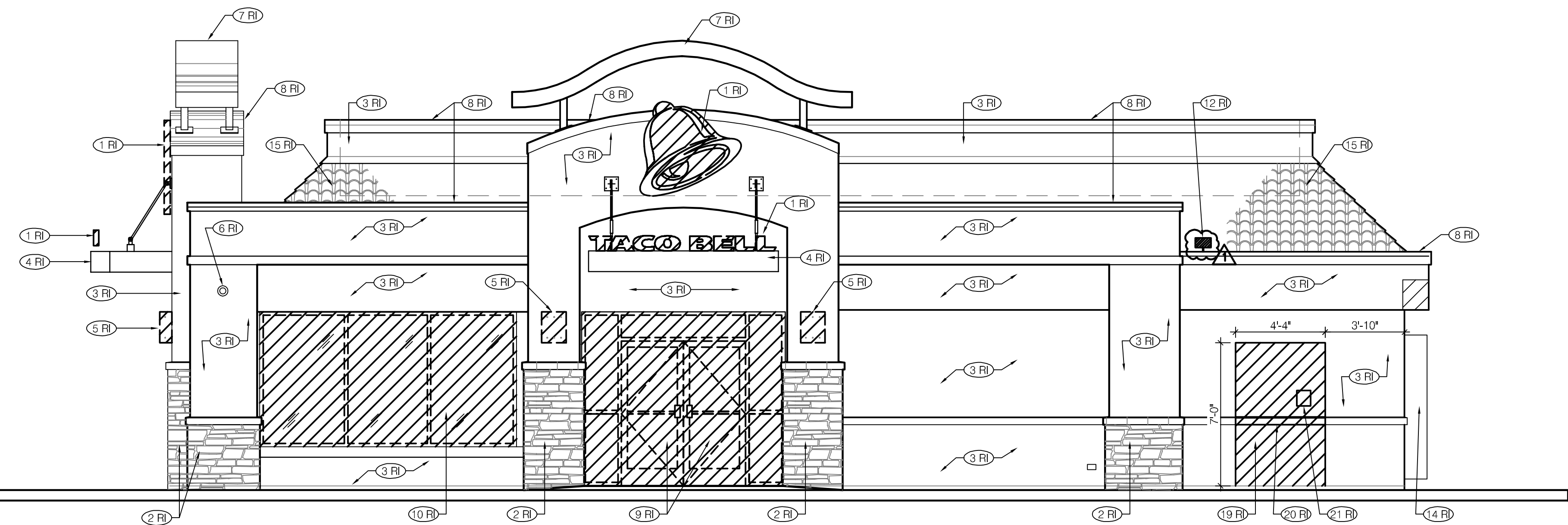




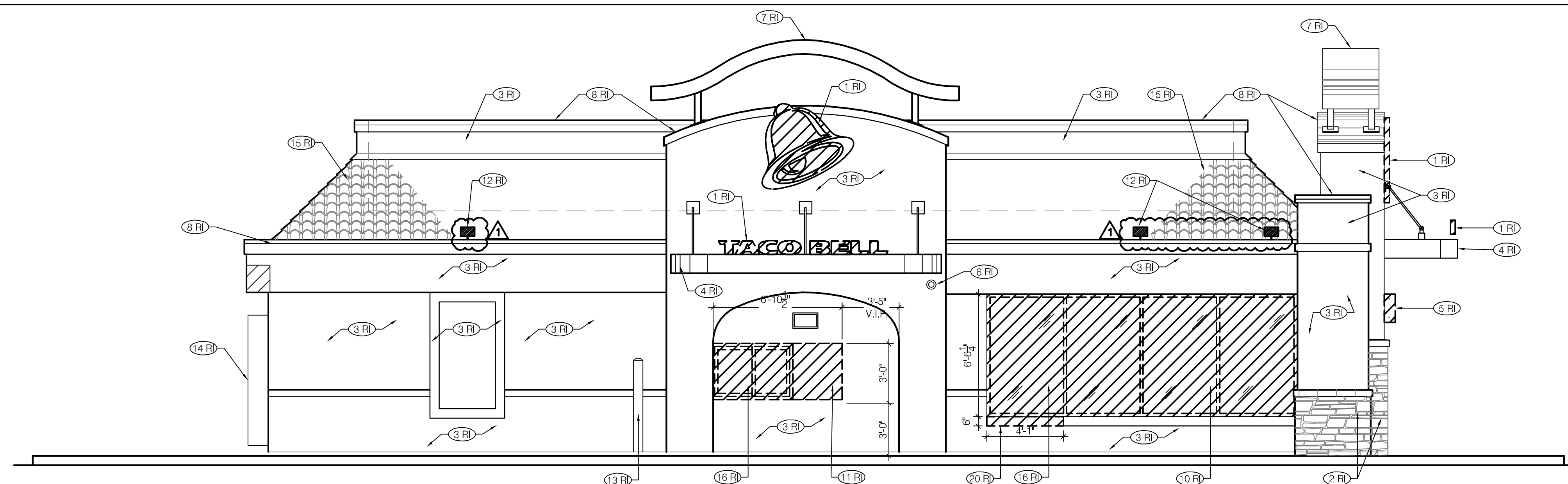
REAR ELEVATION 1/4" = 1'-0" B



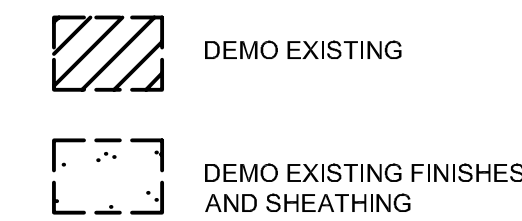
FRONT ELEVATION 1/4" = 1'-0" A



SIDE ENTRY ELEVATION 1/4" = 1'-0" C



DRIVE THRU SIDE ELEVATION 1/4" = 1'-0" D



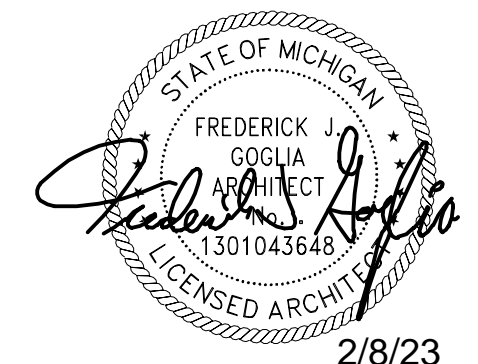
DEMOLITION LEGEND E

REMODEL IMAGE (RI)

- (1 RI) SIGN VENDOR TO REMOVE EXISTING BUILDING SIGN. REFER TO EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.
- (2 RI) EXISTING STONE TO REMAIN. PROTECT DURING CONSTRUCTION. PATCH AND REPAIR AS REQUIRED.
- (3 RI) EXISTING BUILDING FINISHES TO REMAIN, TYP. PATCH AND REPAIR AS REQUIRED. PREP SURFACE FOR NEW PAINT. REFER TO EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.
- (4 RI) EXISTING CANOPY TO BE REMOVED AND SAVED FOR RE-INSTALLATION. REFER TO EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.
- (5 RI) REMOVE EXISTING EXTERIOR LIGHT FIXTURE. REFER TO EXTERIOR ELEVATIONS A4.0 & A4.1 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (6 RI) REMOVE EXISTING CAMERAS AND SAVE FOR RE-INSTALLATION. REFER TO EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.
- (7 RI) EXISTING 'FLYING ARCH' TO REMAIN. DO NOT PAINT.
- (8 RI) EXISTING PARAPET CAP TO REMAIN. REFER TO EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.
- (9 RI) REMOVE EXISTING STOREFRONT SYSTEM, DOOR AND WINDOW. REFER TO FLOOR PLAN A1.0 AND EXTERIOR ELEVATIONS A4.0 & A4.1 ADDITIONAL INFORMATION.
- (10 RI) REMOVE EXISTING STOREFRONT WINDOW/FRAME. REFER TO FLOOR PLAN A1.0 AND EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.
- (11 RI) REMOVE A PORTION OF EXISTING EXTERIOR WALL FOR NEW DRIVE-THRU WINDOW. PREP FOR NEW CONSTRUCTION. REFER TO FLOOR PLAN A1.0 AND EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.
- (12 RI) REMOVE EXISTING MANSARD LIGHT FIXTURE AND REPLACED WITH NEW LED LIGHTING FIXTURE AS SHOWN ON ROOF PLAN A3.0. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (13 RI) EXISTING BOLLARD TO REMAIN.
- (14 RI) EXISTING GAS METER AND ELECTRICAL EQUIPMENT TO REMAIN. PREP FOR PAINT.
- (15 RI) EXISTING CLAY TILE ROOFING TO REMAIN. PRESSURE WASH CLEAN AND REPLACE ANY DAMAGED TILES TO MATCH EXISTING.
- (16 RI) REMOVE EXISTING WINDOW. PREP FOR NEW CONSTRUCTION TO INFILL OPENING TO MATCH EXISTING SURFACES. REFER TO FLOOR PLAN A1.0 FOR ADDITIONAL INFORMATION.
- (17 RI) REMOVE EXISTING H.M. SERVICE DOOR AND FRAME. REFER TO FLOOR PLAN A1.0 AND EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.
- (18 RI) REMOVE PORTION OF EXISTING SOFFIT TO CLEAR NEW WALK-IN. RE-FRAME TO PROVIDE CONTINUATION OF ADJACENT FINISHES.
- (19 RI) REMOVE A PORTION OF EXISTING WALL FOR NEW DOOR OPENING. PREP WALL FRAMING TO RECEIVE NEW HEADER AT OPENING. SEE STRUCTURAL AND EXTERIOR ELEVATIONS A4.0 AND A4.1 FOR ADDITIONAL INFORMATION.
- (20 RI) REMOVE PORTION OF EXISTING E.I.F.S. TRIM AS REQUIRED.
- (21 RI) REMOVE, SAVE AND RELOCATE EXISTING C02 FILLER.

KEY NOTES F

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02.08.23 CITY COMMENTS

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCJO  
 SITE NUMBER: 17105  
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TACO BELL  
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**DEMOLITION EXTERIOR ELEVATIONS**

**D3.0**

PO SET ISSUED: 10.25.22



ABBREVIATIONS	ABBREVIATION
NOTE: ABBREVIATIONS MAY OR MAY NOT HAVE PERIODS, BUT SHALL BE READ AS SAME.	
A.B.	ANCHOR BOLT
A.B.C.	AGGREGATE BASE COURSE
ACI	AMERICAN CONCRETE INSTITUTE
A/C	AIR CONDITIONER
A/F.F.	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ALT.	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ARCH.	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
A.W.H.S.	AUTOMATIC WELDED HEADED STUDS
A.W.T.S.	AUTOMATIC WELDED THREADED STUDS
BM	BEAM
B.F.F.	BELOW FINISHED FLOOR
BLK	BLOCK
B.O.B.	BOTTOM OF DECK
B.O.D.	BOTTOM OF DECK
B.O.F.	BOTTOM OF FOOTING
BRG	BRAIN
C	CAMBER
C.C.	CENTERLINE TO CENTERLINE
CFS	COLD FORMED STEEL
C.G.	CENTER OF GRAVITY
C.I.P.	CAST IN PLACE
C.L.B.	CENTERLINE OF BEAM
C.L.C.	CENTERLINE OF COLUMN
C.L.F.	CENTERLINE OF FOOTING
C.L.W.	CENTERLINE OF WALL
CLR	CLEAR
CONC	CONCRETE
CONC. C.J.	CONCRETE CONTROL JOINT
CONC. J.	CONCRETE JOINT
C.M.U.	CONCRETE MASONRY UNIT
CONN	CONNECTION
CONT.	CONTINUOUS
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
D.F. (D.F.L.)	DOUGLAS FIR LARCH
DL	DEAD LOAD
DIA	DIAMETER
DN	DOWN
DR(W/S)	DRAWING(S)
E.C.	END TO CENTERLINE
E.E.	END TO END
E.O.S.	EDGE OF SLAB
EQUIP	EQUIPMENT
EXP. BOLT (E.B.)	EXPANSION BOLT
EXP. JT (E.J.)	EXPANSION JOINT
E.W.	EACH WAY
F.F.	FINISHED FLOOR
F.O.M.	FACE OF MEMBER
F.O.S.	FACE OF STEEL
F.O.W.	FACE OF WALL
GA	GAGE (UNIT OF MEASUREMENT)
GALV	GALVANIZED
G.S.N.	GENERAL STRUCTURAL NOTES
GLB (GULLAM)	GLUED-LAMINATED BEAM
H.F.	HEAVY
HORIZ	HORIZONTAL REINFORCING
H.S.	HEADED STUDS
IBC	INTERNATIONAL BUILDING CODE
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
ICC	INTERNATIONAL CODE COUNCIL
ICF	INSULATED CONCRETE FORMS
I.F.W.	INSIDE FACE OF WALL
I.O.D.	INTERPRETATION OF DRAWINGS
JST	JOIST
K(IPF)	KIPS PER POUND
KLF	KIPS PER LINEAR FOOT
LBS (#)	POUNDS
LGR	LEDGER
LG5	LIGHT GAGE STEEL
LG5EA	LIGHT GAGE STEEL ENGINEERS
L.O.D.	LOCATION OF DETAILS
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LVV	LONG LEG VERTICAL
MAS	MASONRY
MAS C.J.	MASONRY CONTROL JOINT
MAX.	MAXIMUM
MBMA	METAL BUILDING MANUFACTURERS ASSOCIATION
MECH'L	MECHANICAL
MFR'D	MANUFACTURED
MFR'(S)	MANUFACTURER(S)
MIN	MINIMUM
N/A	NOT APPLICABLE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.F.W.	OUTSIDE FACE OF WALL
OPF	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OPAT	OPENER AUTHORITY
PPDAT	SIMPSON PULVER DRIVEN PIN
	"A" TOP HAT
PPDT	SIMPSON PULVER DRIVEN PIN WITH TOP HAT (0.300" HEAD)
PCI	PRECAST/PRESTRESSED CONCRETE INSTITUTE
P.C.	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAR FOOT
±	PLUS OR MINUS
PREFAB	PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
PTI	POST-TENSIONING INSTITUTE
REIN'	REINFORCING
SD	STEEL DECK INSTITUTE
SLH	SHORT LEG HORIZONTAL
SLV	SHORT LEG VERTICAL
SW	STEEL JOIST INSTITUTE
SMILAR	SIMILAR
SO	SQUARE
SSMA	STEEL STUD MANUFACTURERS ASSOCIATION
STD	STANDARD
STL	STEEL
TL	TOTAL LOAD
T.O.B.	TOP OF BEAM
T.O.C.T.	TOP OF CONCRETE TOPPING
T.O.D.	TOP OF DECK
T.O.F.	TOP OF FOOTING
T.O.L.	TOP OF LEDGER
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PLATE
T.O.P.C.	TOP OF PRECAST CONCRETE
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TP	TRUSS PLATE INSTITUTE
TPY	TYPICAL
T&G	TONGUE AND GROOVE
UBC	UNIFORM BUILDING CODE
U.N.O.	UNLESS NOTED OTHERWISE
VERT	VERTICAL REINFORCING
WCLA	WEST COAST LUMBER ASSOCIATION
WCLB	WEST COAST LUMBER INSPECTION BUREAU
W.W.F.	WELDED WIRE FABRIC
WWPA	WESTERN WOOD PRODUCTS ASSOCIATION
W/	WITH
W/C	WATER TO CEMENT RATIO
W/D	WITHOUT

# GENERAL STRUCTURAL NOTES

## BUILDING CODE:

2015 EDITION OF THE MICHIGAN BUILDING CODE AND STANDARDS REFERENCED THEREIN.

## LOADS:

### LATERAL:

### WIND:

ULTIMATE DESIGN WIND SPEED (3-SECOND GUST), V<sub>ult</sub> = 115 MPH.

### RISK CATEGORY, II

### SEISMIC:

RISK CATEGORY, II  
SEISMIC IMPORTANCE FACTOR, I = 1.0  
MAPPED SHORT PERIOD SPECTRAL ACCELERATION, S<sub>s</sub> = 0.25  
MAPPED ONE SECOND SPECTRAL ACCELERATION, S<sub>1</sub> = 0.047  
SOIL SITE CLASS, D  
DESIGN SHORT PERIOD SPECTRAL ACCELERATION, S<sub>ds</sub> = 0.102  
DESIGN ONE SECOND SPECTRAL ACCELERATION, S<sub>d1</sub> = 0.075  
SEISMIC DESIGN CATEGORY, B

## FOUNDATIONS:

FOUNDATIONS DESIGNED BASED ON CLASS V SOILS PER IBC SECTION 1806. ISOLATED AND CONTINUOUS FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL 42" MINIMUM BELOW ADJACENT FINISHED GRADE. PAD GRADE OR EXISTING GRADE. FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET FOR PERIMETER FOOTINGS. DESIGN SOIL BEARING VALUE = 1500 PSF. GEOTECHNICAL ENGINEER SHALL INSPECT FOUNDATION EXCAVATIONS PRIOR TO PLACEMENT OF CONCRETE.

## CONCRETE:

ALL CONCRETE TO HAVE +/- 6% AIR ENTRAINMENT

SPECIFIED 28 DAY COMPRESSIVE STRENGTH F'<sub>c</sub>:

FOUNDATIONS (DESIGN BASED ON 2,500 PSI)----- 3,000 PSI

### GENERAL:

ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE ACI STANDARDS. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED UNLESS NOTED OTHERWISE. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. NO OTHER ADMIXTURES PERMITTED WITHOUT APPROVAL. FOR CONCRETE WITHOUT PLASTICIZER, MAXIMUM SLUMP 4 1/2" AT POINT OF PLACEMENT U.N.O.. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL.

FOR REINFORCING INFORMATION, SEE REINFORCING SECTION OF G.S.N., PLANS, SCHEDULES AND DETAILS.

UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE EMBEDMENT OF CONDUITS, PIPES, SLEEVES, ETC. OF ANY MATERIAL SHALL NOT BE PERMITTED WITHIN ANY CONCRETE STRUCTURAL ELEMENT (E.G. COLUMNS, BEAMS, ELEVATED SLABS, ETC.) OR STRUCTURAL CONCRETE STRUCTURES WITHOUT THE EXPRESSED APPROVAL OF THE STRUCTURAL ENGINEER.

FLY ASH - IF PERMITTED BY ARCHITECTURAL SPECIFICATIONS, SHALL BE LIMITED TO 25% OF TOTAL CEMENTITIOUS MATERIALS BY WEIGHT. FLY ASH SHALL BE INCLUDED IN THE CALCULATION OF W/C RATIOS SPECIFIED ABOVE. FLY ASH ADDITIVES SHALL NOT BE USED ON SLABS WITH A BURISHED OR ACID FINISH.

TEST DATA FOR EACH CONCRETE MIX SHALL BE SUBMITTED FOR REVIEW PER CHAPTER 5 OF ACI 308. REFERENCED TEST DATA FOR SUBMITTAL FOR SUBMITTAL REQUIREMENTS AND OPTIONS. CONCRETE MIX DESIGNS THAT ARE SUBMITTED WITHOUT THE APPROPRIATE TEST DATA CANNOT BE REVIEWED.

### SLABS ON GRADE:

MAXIMUM SLUMP WITHOUT PLASTICIZER AT POINT OF PLACEMENT SHALL BE 5 INCHES. MIX DESIGN SHALL TAKE CARE TO PROVIDE THE LARGEST POSSIBLE SIZE OF COARSE AGGREGATE WHILE MAINTAINING CONCRETE WORKABILITY. NOMINAL MAXIMUM AGGREGATE SIZE SHALL NOT BE LESS THAN 3/4 INCH NOR MORE THAN 1/3 THE DEPTH OF THE SLAB.

FOR INTERIOR SLABS ON GRADE, PROVIDE CONCRETE WITH AN ULTIMATE SHRINKAGE LESS THAN 0.05% AT 28 DAYS. LABORATORY TEST RESULTS SHALL BE SUBMITTED INDICATING THAT THE CONCRETE SLAB ON GRADE MIX DESIGN (OR COMPARABLE) MEETS THE ULTIMATE SHRINKAGE REQUIREMENTS. SHRINKAGE VALUES FOR CONCRETE SPECIMENS SHALL BE TESTED PER ASTM C157 AND THE PROCEDURES IN ACI 209R TO PREDICT THE ULTIMATE DRYING SHRINKAGE.

CONCRETE SHALL BE MIXED, PLACED, FINISHED AND CURED PER REFERENCED EDITION OF ACI 302.1 FOR THE APPROPRIATE FLOOR CLASS TYPE PER TABLE 2.1 AND CHAPTER 7 AND 8. CURING CONCRETE SHALL BE COMPATIBLE WITH ARCHITECTURAL FLOOR FINISH. SLABS SHALL BE PLACED ON A FLAT, SMOOTH, FIRM, COMPACTED SUBGRADE.

ALL REINFORCING SHALL BE CHAired OR POSITIONED USING REBAR SPACERS TO ENSURE PROPER CLEARANCES. ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO CONCRETE PLACEMENT. SUPPORT OF SLAB ON GRADE REINFORCING SHALL BE SUPPORTED AND TIED FROM THE LOWER MAT OF REINFORCING SUCH THAT THE REINFORCING MATS DO NOT MOVE DURING CONCRETE PLACEMENT. SUPPORT OF SLAB ON GRADE REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE COVERED REINFORCING IS NOT AN ACCEPTABLE CHAIR.

SLABS ON GRADE SHALL BE VIBRATED ONLY AT TRENCHES, FLOOR DUCTS, TURNINGS, ETC. UNLESS APPROVED OTHERWISE IN WRITING BY THE ARCHITECT. ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY CONTROL JOINTS (CONSTRUCTION OR SAW CUT) PER TYPICAL DETAILS, AS SHOWN ON THE FOUNDATION PLAN, SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 150 SQUARE FEET. CONSTRUCTION CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING, ALL OTHER JOINTS MAY BE SAW CUT.

VAPOR BARRIER SHALL CONSIST OF A MINIMUM 15 MIL MATERIAL LAPPED A MINIMUM OF 6 INCHES AND TAPED PER MANUFACTURER RECOMMENDATIONS. THE BARRIER SHALL BE PLACED ON TOP OF A SMOOTH AND COMPACTED SUBGRADE SURFACE. THE FLOOR SLAB SHALL BE PLACED OVER A FOUR INCH LAYER OF COMPACTED AGGREGATE BASE COURSE ON TOP OF THE VAPOR BARRIER. ANY DAMAGE TO VAPOR BARRIER SHALL BE REPAIRED PRIOR TO AGGREGATE COURSE PLACEMENT. CARE SHALL BE TAKEN TO KEEP MOISTURE AWAY FROM THE COMPACTED SUBGRADE. SUBGRADE MUST BE ALLOWED TO DRY AFTER RAINS PRIOR TO SLAB PLACEMENT. FLOOD CURING IS NOT ALLOWED. SAND IS NOT AN ALTERNATIVE FOR THE SUB-BASE COURSE.

## REINFORCING:

ALL REINFORCING PER CRSI SPECIFICATIONS AND HANDBOOK. ASTM A615 (F<sub>y</sub> = 60 KSI / GRADE 60) DEFORMED BARS FOR ALL BARS #5 AND LARGER. ASTM A615 (F<sub>y</sub> = 40 KSI / GRADE 40) DEFORMED BARS FOR ALL BARS #4 AND SMALLER. WHERE SHOWN ON DRAWINGS ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706. WELDED WIRE REINFORCING AND WIRE PER ASTM A1064. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. REFERENCED ACI STANDARDS AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVERAGES AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ----- 3"  
EXPOSED TO EARTH OR WEATHER ----- 2"  
#5 AND SMALLER ----- 1 1/2"  
ALL OTHER PER REFERENCED EDITION OF ACI 318

ALL REINFORCING SHALL BE CHAired OR POSITIONED USING REBAR SPACERS TO ENSURE PROPER CLEARANCES. ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO CONCRETE PLACEMENT. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE COVERED REINFORCING IS NOT AN ACCEPTABLE CHAIR.

ALL DIMENSIONS REFERENCED IN DRAWINGS AS "CLEAR" SHALL BE FROM FACE OF STRUCTURE TO EDGE OF REINFORCING, AND SHALL NOT BE LESS THAN STATED, NOR GREATER THAN "CLEAR" DIMENSION PLUS 3/8". ALL OTHERS SHALL BE PLUS OR MINUS 1/4" TYPICAL UNLESS NOTED OTHERWISE.

FIELD BENDING OR STRAIGHTENING OF DEFORMED BARS SHALL BE LIMITED TO #5 BARS AND SMALLER AND SHALL BE FIELD BENT OR STRAIGHTENED ONLY ONCE. ANY BEND SHALL BE LIMITED TO 90 DEGREES. IF FIELD BENDING OR STRAIGHTENING OF #6 BARS OR LARGER IS REQUIRED, OR IF A SECOND BEND IS REQUIRED FOR #5 BARS AND SMALLER, HEAT SHALL BE APPLIED FOR BENDING OR STRAIGHTENING. CONTRACTOR SHALL SUBMIT PROCEDURE FOR APPLYING HEAT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BENDING OR STRAIGHTENING BARS.

Applies unless noted otherwise on drawings

## GENERAL NOTES:

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. EXCEPT WHERE NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEEDING WITH CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS).

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE REFERENCED EDITION AND/OR ADDENDA. ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURISDICTION OF THIS PROJECT.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN THE DRAWINGS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS. BUILDING DIMENSIONS AND ELEVATIONS, WHERE SHOWN, WERE PROVIDED BY THE ARCHITECT AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND COORDINATE ALL DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK. ANY DISCREPANCIES SHALL BE RESOLVED THROUGH THE ARCHITECT, ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WITH THE APPROPRIATE TRADE DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER FOOT.

OPTIONS AND SUBSTITUTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION OR SUBSTITUTION IS CHOSEN BY THE CONTRACTOR, HE SHALL BE RESPONSIBLE FOR ANY NECESSARY CHANGES, APPROVALS AND THE COORDINATION OF THE WORK WITH ALL RELATED TRADES AND SUPPLIERS.

## SPECIAL INSPECTION - STRUCTURAL ONLY:

SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A STATE REGISTERED STRUCTURAL ENGINEER WHO IS FAMILIAR WITH THE STRUCTURAL DESIGN OF THIS PROJECT. THE SUPERVISING STRUCTURAL ENGINEER SHALL SEAL THE SPECIAL INSPECTION CERTIFICATE.

SPECIAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING JURISDICTION. \*SPECIAL STRUCTURAL INSPECTION SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE BUILDING JURISDICTION INSPECTIONS REQUIRED BY SECTION 110 OF THE INTERNATIONAL BUILDING CODE. SPECIAL INSPECTION IS REQUIRED PER CHAPTER 17 FOR THE FOLLOWING:

### CONCRETE CONSTRUCTION:

- CONCRETE:
  - DURING THE TAKING OF TEST SPECIMENS.
  - NO INSPECTION IS REQUIRED FOR PLACEMENT OF SLAB ON GRADE CONCRETE. INSPECTION OF SLAB ON GRADE CONCRETE SHALL BE LIMITED TO THE DELIVERY OF CONCRETE TO THE FORM.
  - NO INSPECTION IS REQUIRED FOR THE PLACEMENT OF FOUNDATION CONCRETE
- INSPECTION OF FOUNDATION REINFORCING IS REQUIRED PER "REINFORCING STEEL" SECTION BELOW.
- REINFORCING STEEL: INSPECTION OF IN-PLACE REINFORCING FOR CONFORMANCE PRIOR TO THE CLOSING OF THE FORMS AND THE DELIVERY OF CONCRETE TO THE FORMS FOR THE FOLLOWING:
  - REINFORCING FOR ALL CONCRETE REQUIRED TO HAVE INSPECTION NOTED ABOVE.
  - REINFORCING FOR CONCRETE FOUNDATIONS.
  - REINFORCING FOR SLABS ON GRADE.

### SPECIAL CASES:

- EXPANSION, EPOXY, ADHESIVE, AND SCREW ANCHORS: DURING THE PLACEMENT OF ALL ANCHORS SHOWN ON STRUCTURAL DRAWINGS. ADDITIONAL INSPECTIONS REQUIRED FOR REPAIR DETAILS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- INSPECTION OF HOLE DIAMETER, HOLE DEPTH AND DRILL BIT CONFORMANCE.
- INSPECTION OF HOLE CLEANING WITH WIRE BRUSH AND COMPRESSED AIR.
- INSPECTION OF ANCHOR INSTALLATION USING SPECIFIED PRODUCT AND MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.
- INSPECTION OF EXPANSION ANCHORS SHALL INCLUDE THE VERIFICATION OF THE TIGHTENING TORQUE THAT IS SPECIFIED BY THE ANCHOR MANUFACTURER.

### SPECIAL INSPECTIONS - NON STRUCTURAL (PERFORMED BY OTHERS):

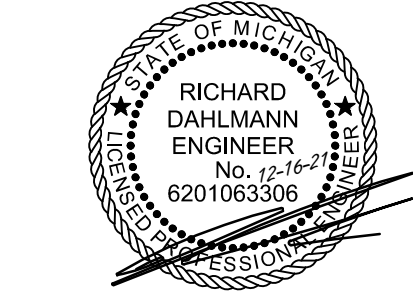
GEOTECHNICAL INSPECTIONS - SOILS:

- PERIODIC VERIFICATION THAT MATERIALS BELOW GRADE ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
- PERIODIC VERIFICATION THAT EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
- PERFORM PERIODIC CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.
- CONTINUOUS VERIFICATION THAT USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
- PERIODIC VERIFICATION PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.

### DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATION.
- THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS, AND ALL DEVIATIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO PROCEEDING WITH THE WORK. ALL REQUESTS FOR DEVIATIONS SHALL BE INITIATED BY THE CONTRACTOR VIA WRITTEN REQUEST FOR INFORMATION (RFI).
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. ACCESS SHALL BE PROVIDED BY IN-PLACE LADDERS, SCAFFOLDS, LIFTS AND/OR OTHER EQUIPMENT OPERATED BY THE CONTRACTOR'S PERSONNEL AS REQUIRED FOR SAFE OBSERVATION. THE SPECIAL INSPECTOR IS NOT RESPONSIBLE OR AUTHORIZED TO OPERATE CONTRACTOR'S EQUIPMENT.
- UPON COMPLETION OF THE ASSIGNED WORK THE ENGINEER OR ARCHITECT SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF THEIR KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

PROJECT NUMBER	21-2090
PROJECT MANAGER	RAD
PROJECT ENGINEER	RAD
PROJECT DRAFTER	NCR




CONTRACT DATE:	
BUILDING TYPE:	M70HD
PLAN VERSION:	MAJOR
BRAND DESIGNER:	FRANK WANCHO
SITE NUMBER:	17105
ARCVISION NUMBER:	200361

## TACO BELL

28993 FORD ROAD  
GARDEN CITY, MI 48135



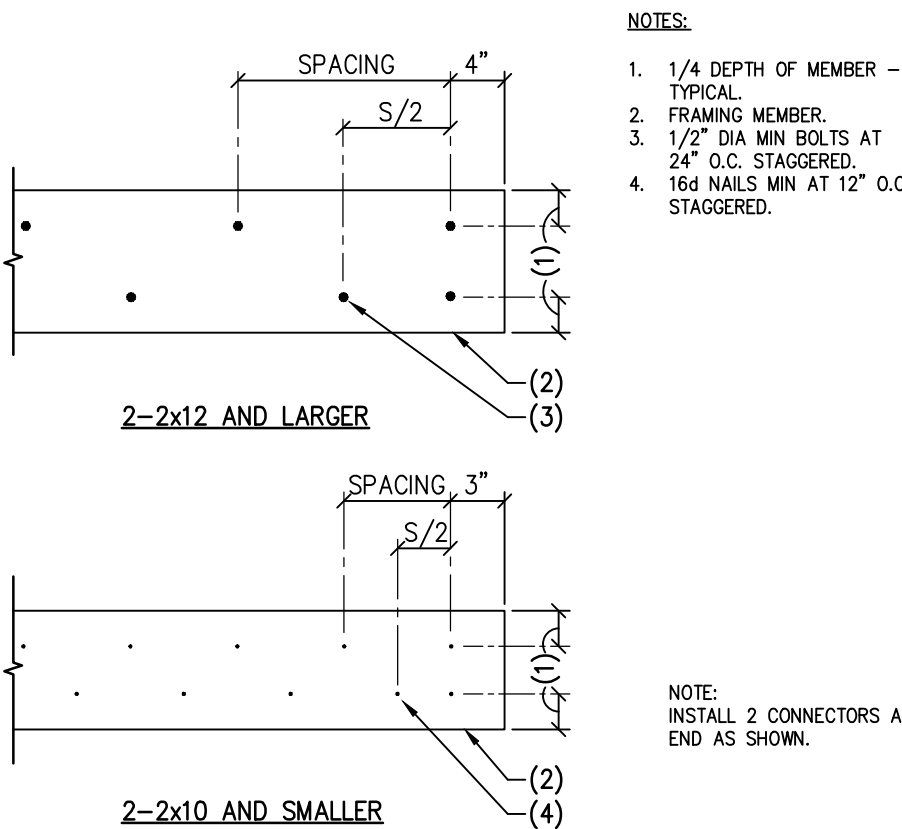
# MAJOR REMODEL GENERAL STRUCTURAL NOTES

# S1.1

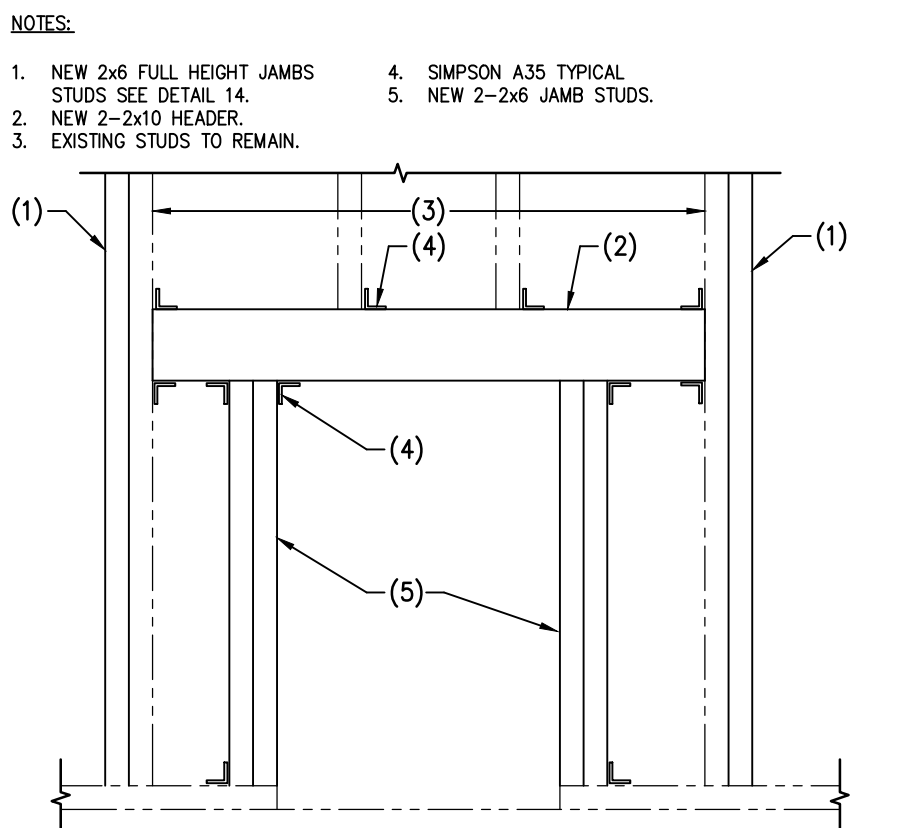
CONNECTION (COMMON NAILS ONLY)	NAILING
JOIST TO SILL OR GIRDER, TOENAIL	3 - 8d
BRIDGING TO JOIST, TOENAIL EACH END	2 - 8d
SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d AT 16" O.C.
SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANEL	3-16d PER 16"
TOP PLATE TO STUD, END NAIL	2 - 16d
STUD TO SOLE PLATE	4 - 8d, TOENAIL OR: 2 - 16d, END NAIL
DOUBLED STUDS, FACE NAIL	16d AT 24" O.C.
DOUBLED TOP PLATES, TYPICAL FACE NAIL	16d AT 16" O.C.
DOUBLED TOP PLATES, LAP SPJCE	8 - 16d
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	3 - 8d
RIM JOIST TO TOP PLATE, TOENAIL	8d AT 6" O.C.
TOP PLATE, LAPS AND INTERSECTIONS, FACE NAIL	2 - 16d
CONTINUOUS HEADER, TWO PIECES	16d AT 16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOENAIL	3 - 8d
CONTINUOUS HEADER TO STUDS, TOENAIL	4 - 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3 - 16d
CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL	3 - 16d
RAFTER TO PLATE, TOENAIL	3 - 8d
BUILT-UP CORNER STUDS	16d AT 24" O.C.
BUILT-UP GIRDER AND BEAMS	20d AT 32" O.C. TOP AND BOTTOM, AND STAGGERED 2-20d EACH END AND SPICES

NOTE: FOR COMMON NAIL MINIMUM REQUIREMENTS, SEE G.S.N.

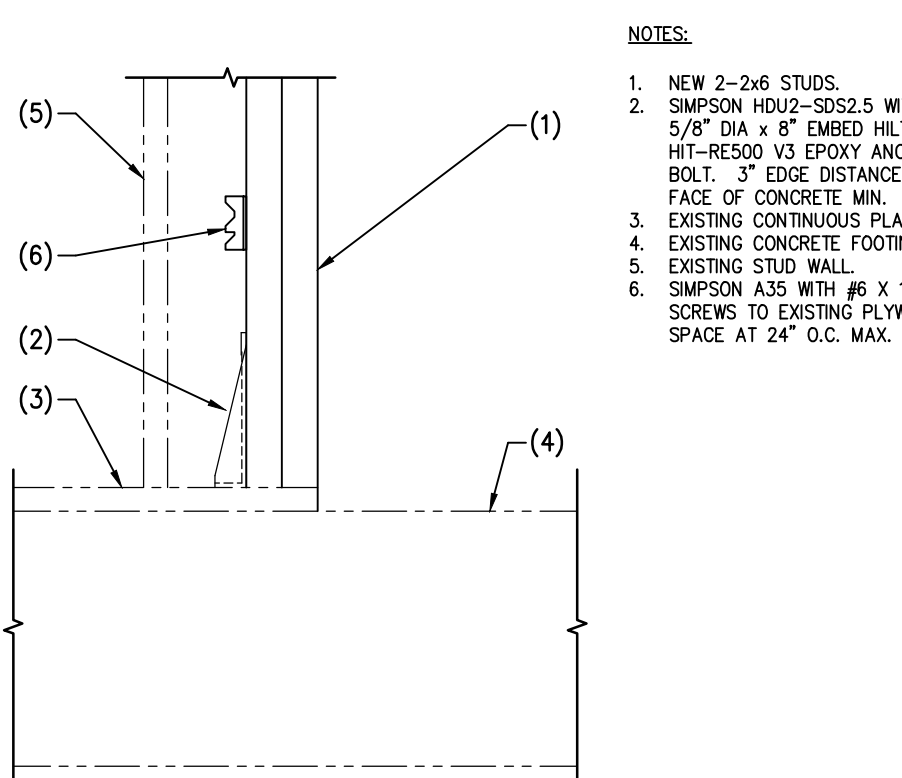
**13** NAILING SCHEDULE - U.N.O. 21-2090 NO SCALE



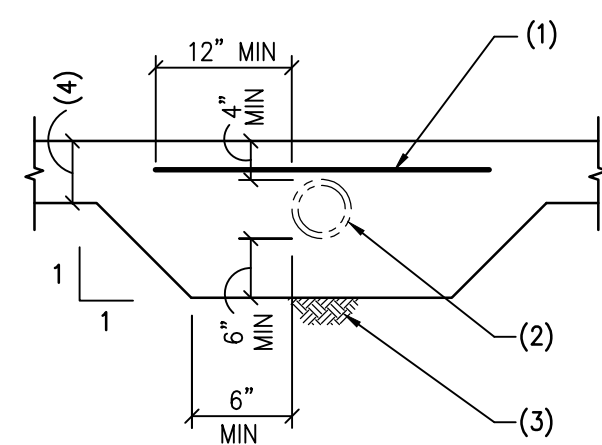
**14** BUILT UP WOOD MEMBERS 21-2090 NO SCALE



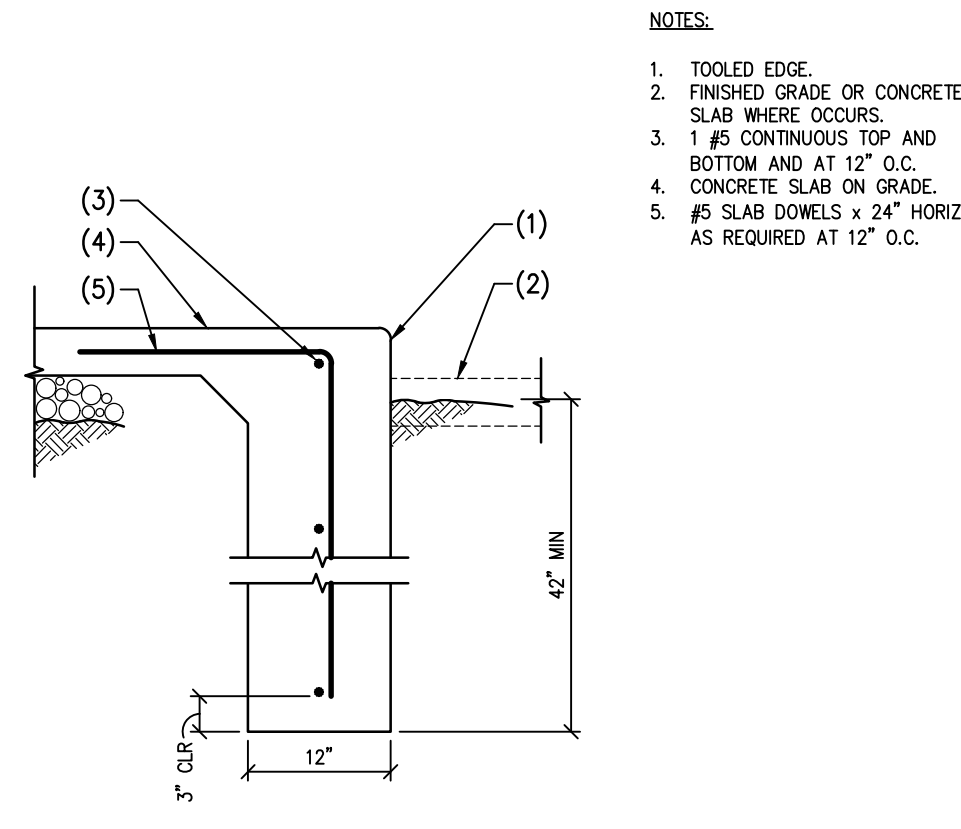
**15** HEADER ELEVATION 21-2090 NO SCALE



**16** SIMPSON HOLDOWN 21-2090 NO SCALE



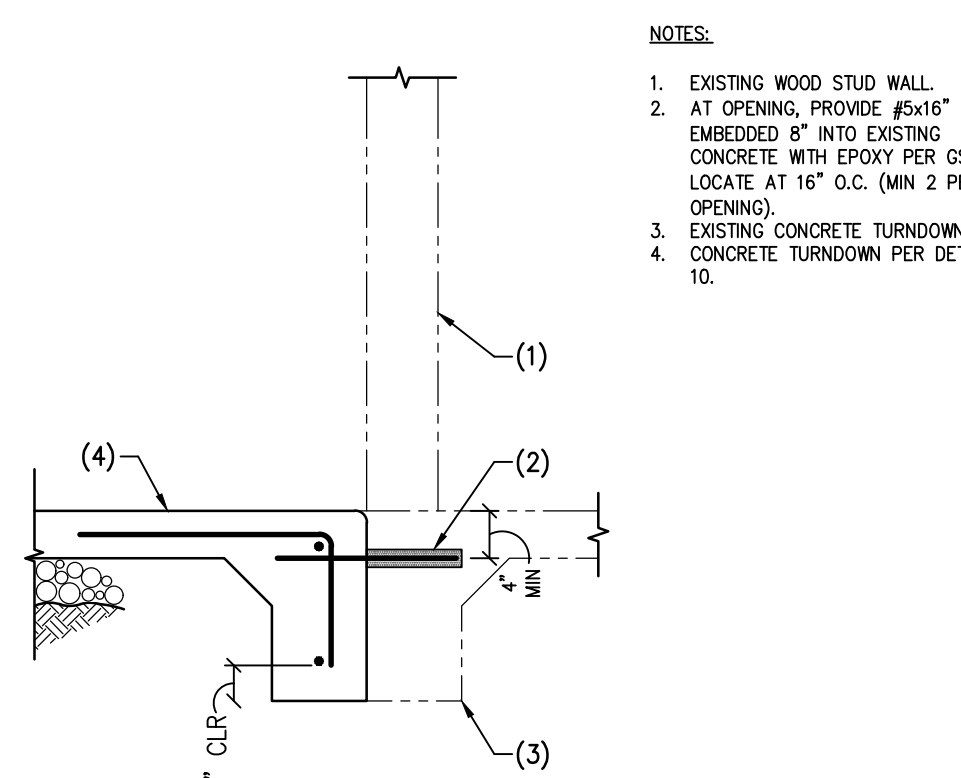
**09** SLEEVE FOR PIPE AT SLAB 105-22 NO SCALE



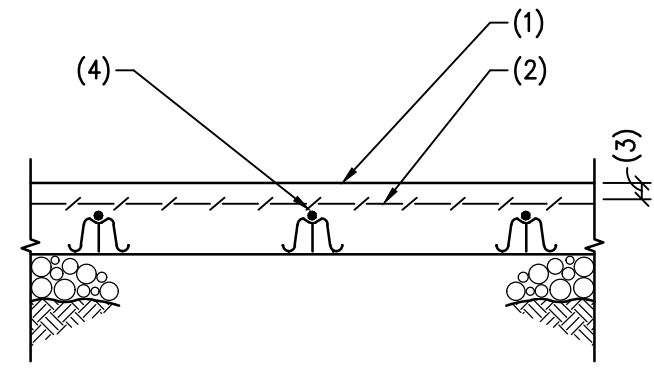
**10** CONCRETE TURNDOWN AT SLAB EDGE 21-2090 NO SCALE



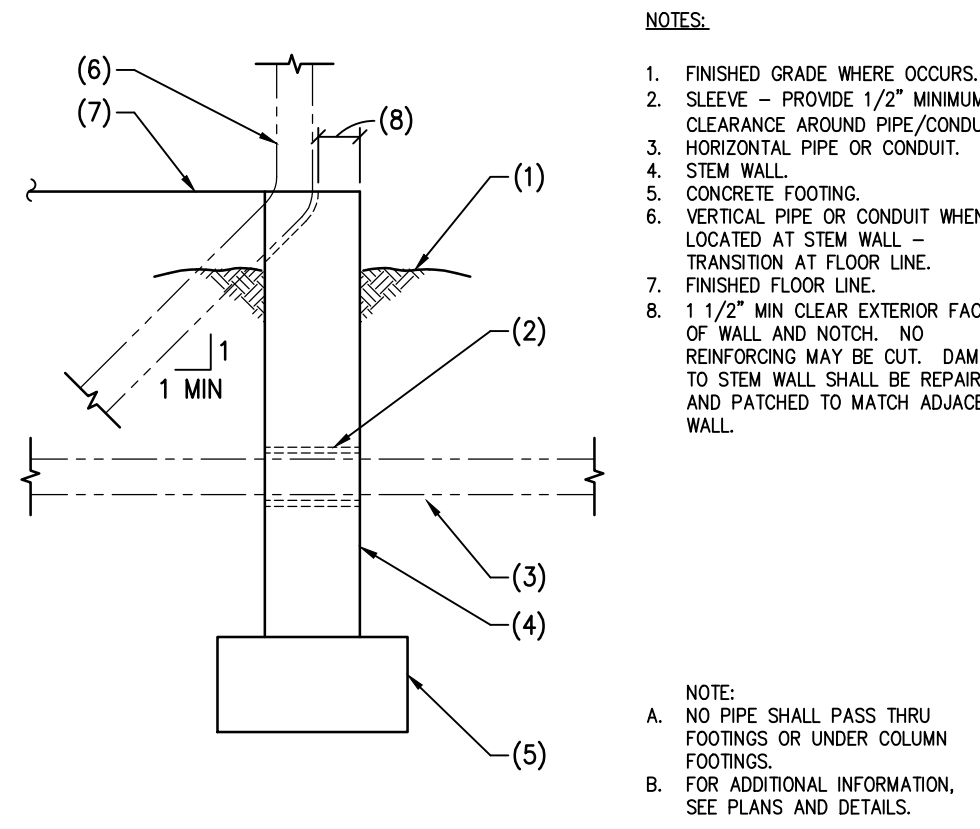
**11** THIS DETAIL NOT USED NO SCALE



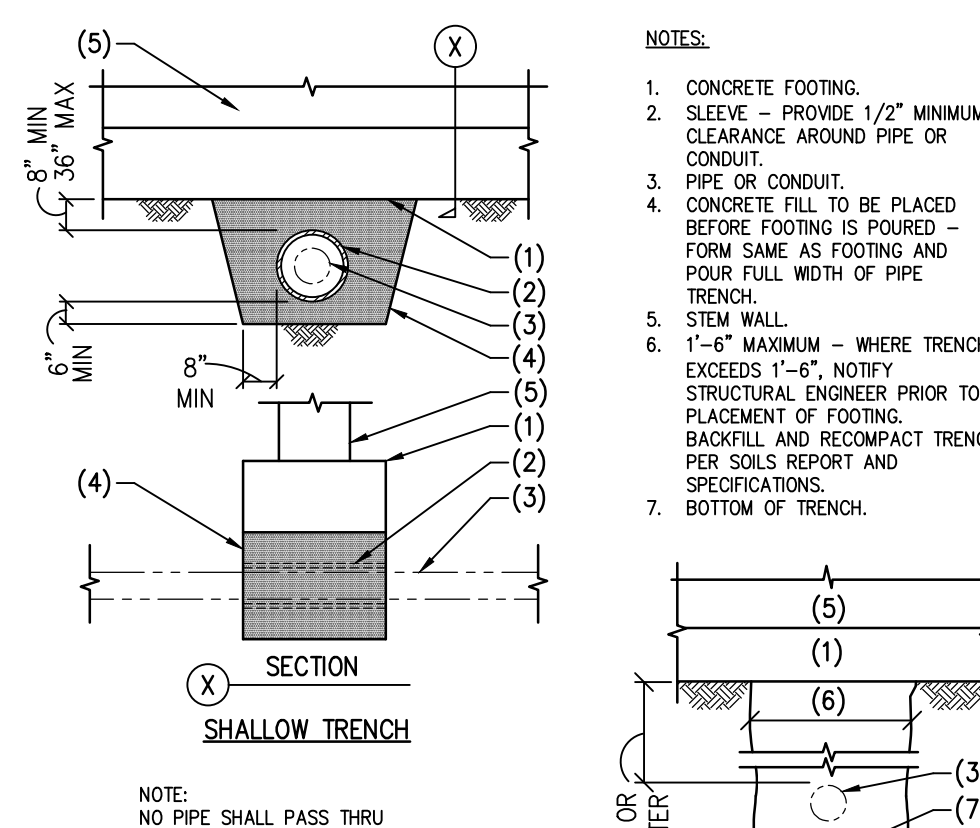
**12** CONCRETE TURNDOWN AT EXISTING BUILDING 21-2090 NO SCALE



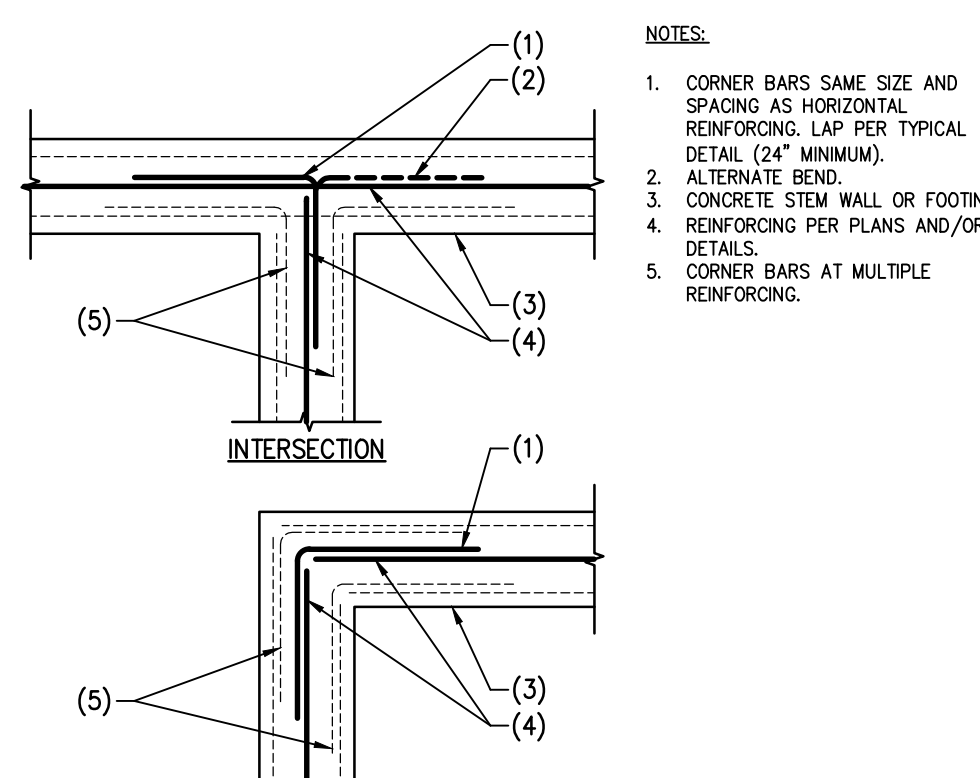
**05** CONCRETE SLAB ON GRADE WITH WELDED WIRE FABRIC (L)101-07 NO SCALE



**06** PIPE AT FOUNDATION STEM WALL 105-24 NO SCALE



**07** PIPE PASSING UNDER WALL FOOTING 105-30 NO SCALE



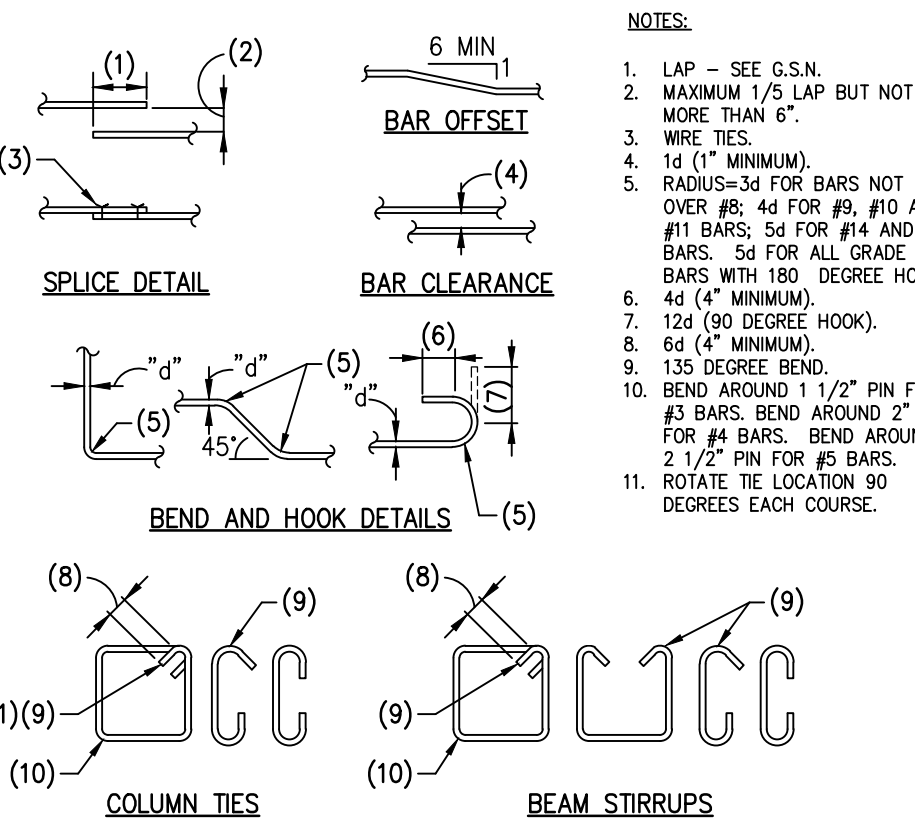
**08** PLAN - CORNER REINFORCING IN CONCRETE FOOTING, STEM OR WALL 105-02 NO SCALE

CONC PSI	CLASS B TENSION SPJCE LENGTHS						COMP. BARS	
	f <sub>c</sub> = 2,500/3,000 PSI		f <sub>c</sub> = 4,000 PSI		f <sub>c</sub> = 5,000 PSI		f <sub>c</sub> ≥ 3,000	
BAR LOCATION	REGULAR	TOP	REGULAR	TOP	REGULAR	TOP	STD LAP	ENCLOSED W/ SPJRAL TIES
#3 (10)	24"	31"	19"	24"	17"	22"	12"	12"
#4 (13)	32"	41"	25"	32"	22"	29"	15"	12"
#5 (16)	39"	51"	31"	40"	28"	36"	19"	14"
#6 (19)	47"	61"	37"	48"	33"	43"	23"	17"
#7 (22)	69"	89"	54"	70"	49"	63"	26"	20"
#8 (25)	78"	102"	62"	80"	55"	72"	30"	23"
#9 (29)	88"	115"	70"	91"	63"	81"	34"	25"
#10 (32)	99"	129"	79"	102"	70"	91"	38"	28"
#11 (36)	110"	143"	87"	113"	78"	101"	42"	31"

NOTES:

- TOP BARS ARE ANY HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.
- LAP SPICES SHALL BE CLASS "B" TENSION LAP SPICES PER LATEST EDITION OF ACI 318 UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS OR SCHEDULES.
- CONTACT STRUCTURAL ENGINEER IF CLEAR SPACING OF REINFORCEMENT IS LESS THAN OR EQUAL TO 2 BAR DIAMETERS (2db), OR IF CLEAR COVER IS LESS THAN THE BAR DIAMETER (db).
- THIS TABLE IS BASED ON NORMAL WEIGHT CONCRETE.
- FOR ADDITIONAL INFORMATION, SEE G.S.N., PLANS, SCHEDULES AND DETAILS.

**01** LAP SCHEDULE FOR REINFORCING STEEL IN CONCRETE 201-31.01 NO SCALE



**02** TYPICAL REINFORCING BAR DETAILS 201-32 NO SCALE

BOLT DIAMETER (db)	VERT BOLT EMBEDMENT LENGTH	HORIZ BOLT EMBEDMENT LENGTH	ANCHOR FILLET WELD SIZE, "S"
1/2"	6"	4"	1/4"
5/8"	6"	4"	5/16"
3/4"	7"	5"	5/16"
7/8"	8"	6"	5/16"
1"	9"	7"	3/8"
1 1/8"	10"	8"	-----
1 1/4"	11"	9"	-----

NOTE: PROVIDE ANCHORS, ANCHOR RODS AND ANCHOR BOLTS PER THIS SCHEDULE UNLESS NOTED OTHERWISE ON PLANS, SCHEDULES OR DETAILS.

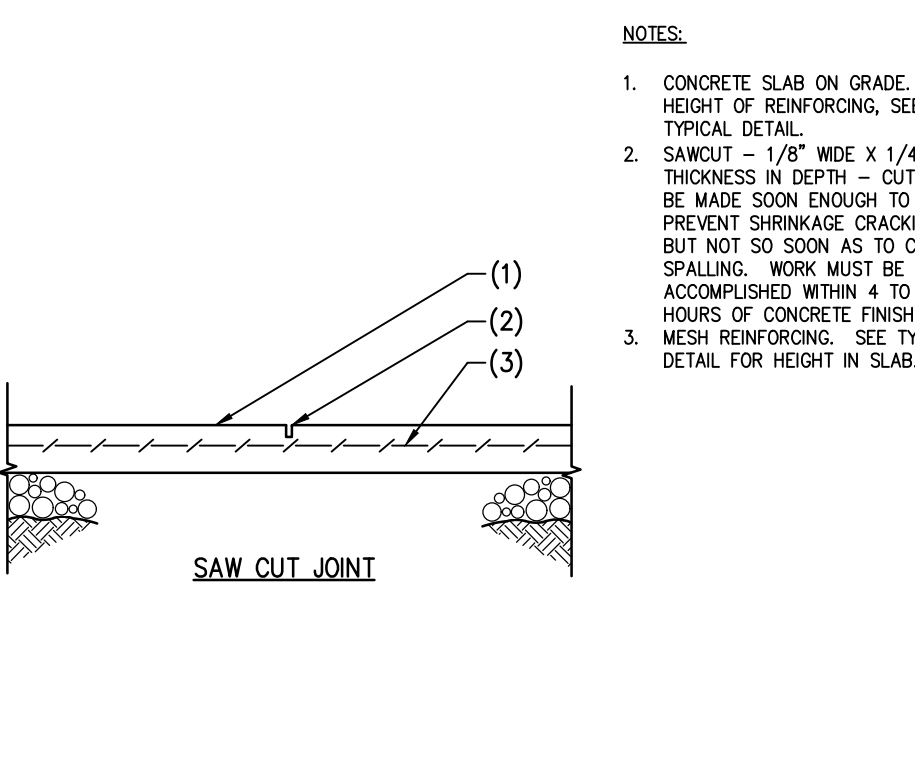
NOTE: AUTOMATIC WELDED TO DEVELOP FULL CAPACITY OF HIGH STRENGTH HEADED STUDS.

NOTE: THICKNESS OF DRYPACK DOES NOT APPLY TOWARDS EMBEDMENT.

NOTE: BOLT/PLATE EDGE CLEARANCES PER THE FOLLOWING - TYP U.N.O.:

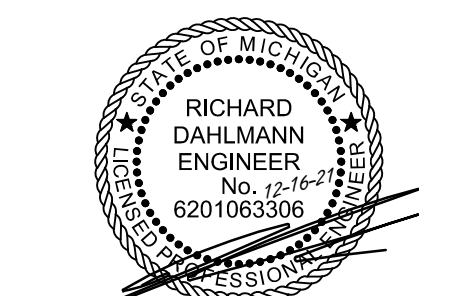
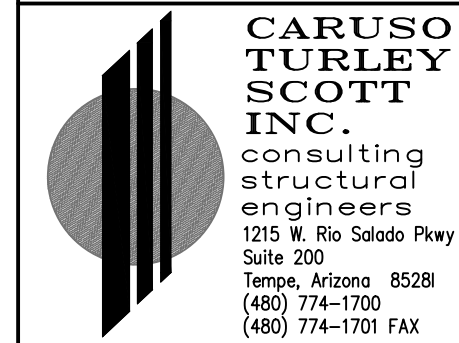
3/4" DIA OR LESS	1 1/4"
7/8" DIA	1 1/2"
1" DIA	2"
1 1/4" DIA	2 1/4"
OVER 1 1/4" DIA	1.75xDIA

**03** TYPICAL ANCHOR ROD, ANCHOR BOLT, ANCHOR AND HEADED STUD SCHEDULE AND BOLT/PLATE EDGE CLEARANCES 401-02 NO SCALE



**04** CONTROL JOINTS IN MESH REINFORCED CONCRETE SLAB ON GRADE 21-2090 NO SCALE

PROJECT NUMBER 21-2090  
PROJECT MANAGER RAD  
PROJECT ENGINEER RAD  
PROJECT DRAFTER NCR



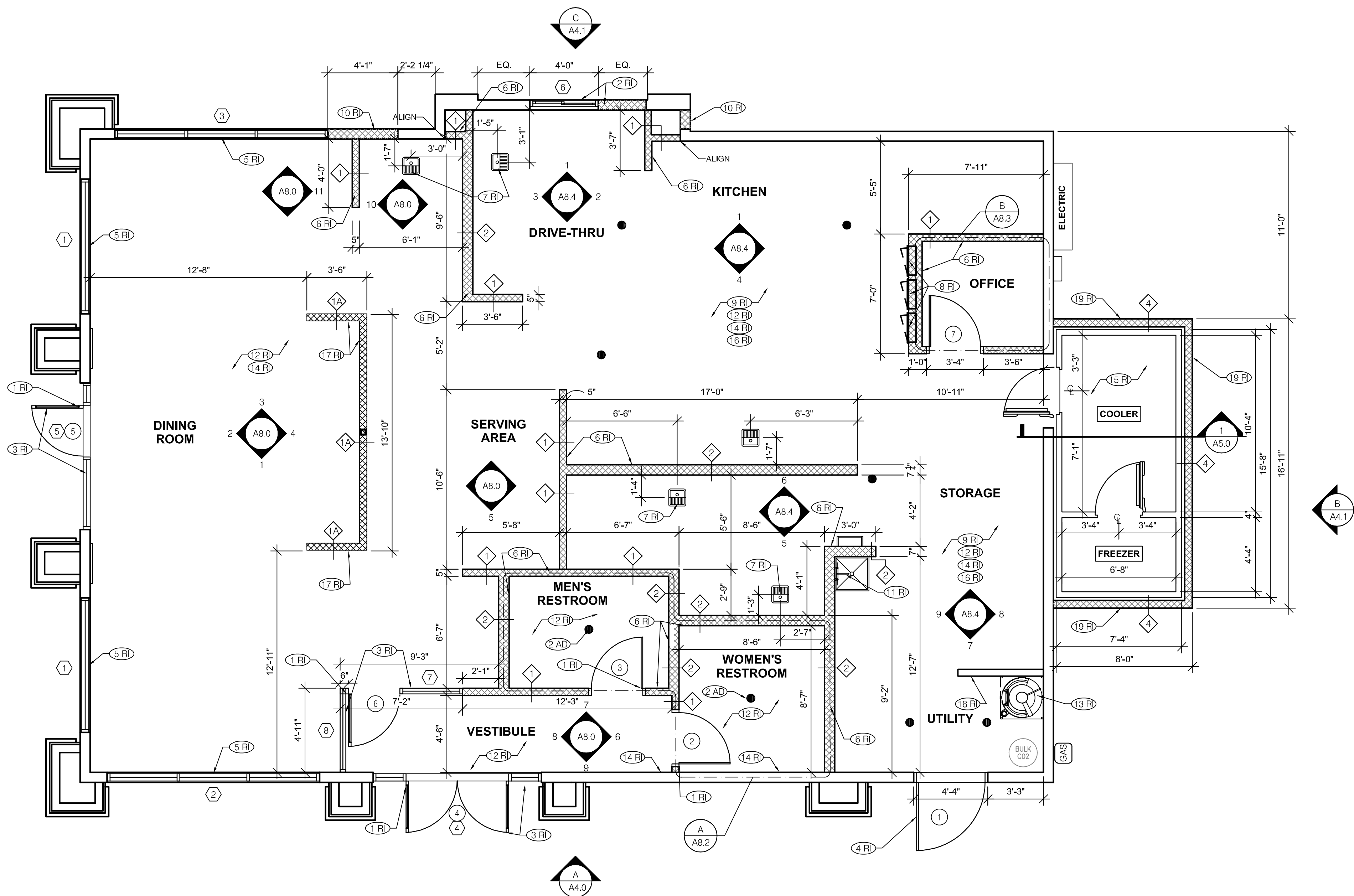
CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCHO  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

TACO BELL  
28993 FORD ROAD  
GARDEN CITY, MI 48135

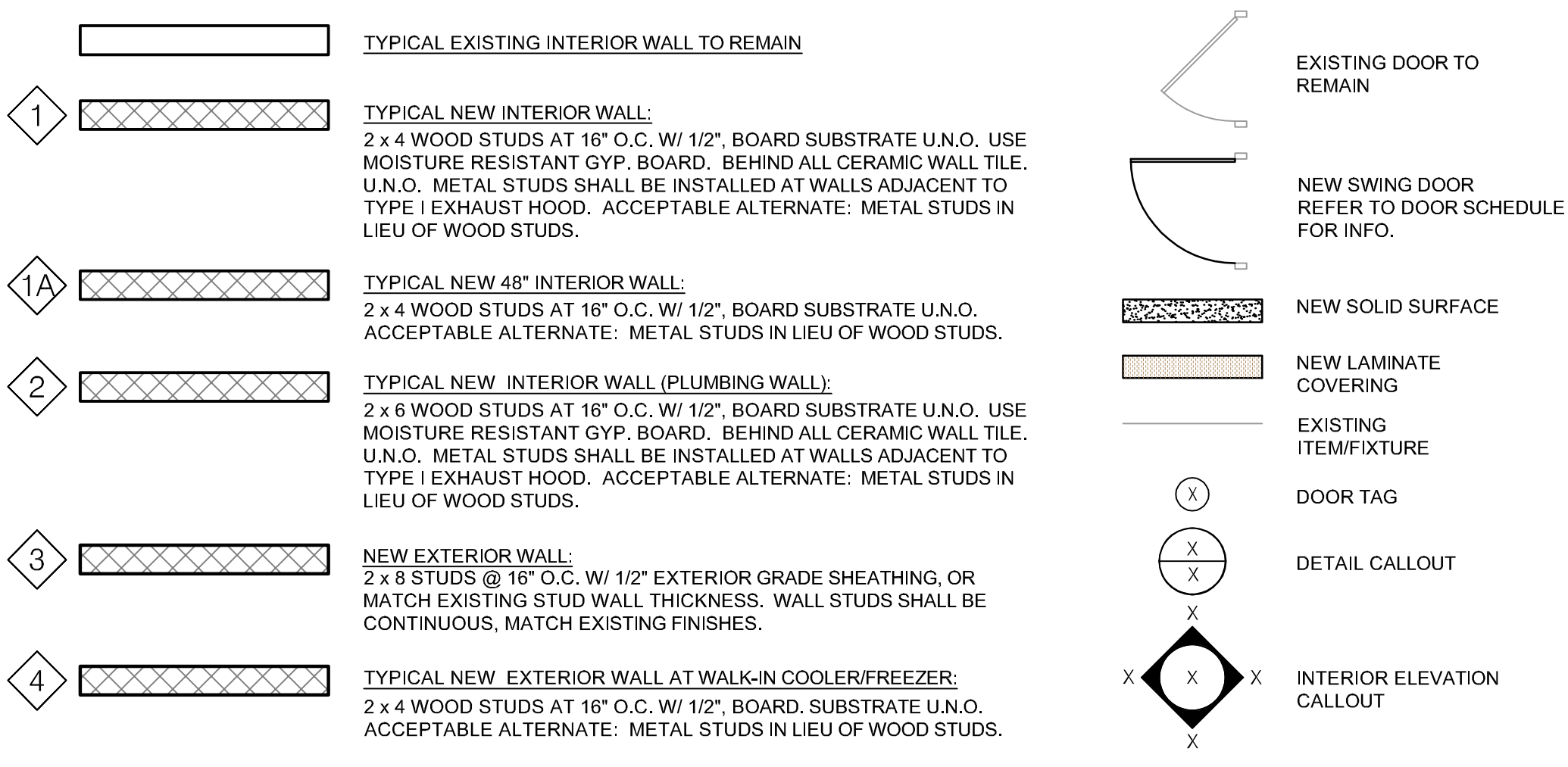


S1.2





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



**DECOR:**  
 A. SEE A2.0 FOR SEATING PLAN AND DETAILS.  
 B. SEE A7.0 FOR FLOOR FINISHES.  
 C. SEE A8.0 - A8.1 FOR WALL FINISHES.  
 D. SEE A7.1 FOR CEILING FINISHES.

**GENERAL:**  
 A. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFIT IS ACCEPTABLE.  
 B. ALL ATTACHMENTS MADE THROUGH E.I.F.S. SHALL BE BUSHED TO PREVENT DAMAGE TO THE FINISH.  
 C. ALL PENETRATIONS THROUGH E.I.F.S. SHALL BE SEALED USING MFR'S APPROVED METHOD.  
 D. DIMENSIONS NOTED AS "HOLD" OR "CLEAR" ARE MIN. REQUIRED CLEARANCE FROM FACE OF OUTERMOST FINISH MATERIAL (WALL, BASE, WAINSCOT, CHAIR RAIL).  
 E. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

**DIMENSIONS:**  
 A. DIMENSIONS THAT ORIGINATE FROM EXISTING ELEMENTS OF THE BUILDING ARE FROM FACE OF FINISH. ALL OTHER DIMENSIONS ARE TO FACE OF STUD U.O.N. REFER TO FOUNDATION PLAN FOR FACE OF CONC. DIMENSIONS.  
 B. DIMENSIONS NOTED AS "CLEAR" OR "HOLD" ARE MIN. REQ'D. NET CLEARANCE FROM FACE OF OUTERMOST FINISH (WALL, BASE, CHAIR RAIL).

**WINDOWS/DOORS:**  
 A. SEE SCHEDULE FOR WINDOW AND DOOR TYPES.  
 B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

**FINISH SUBSTRATES:**  
 A. PROVIDE 1/2" THICK CEMENTITIOUS BD. FROM FLOOR SLAB TO 12" A.F.F. MIN. IN LIEU OF GYP. BD. AT ALL WALLS EXCEPT SHEARWALL SURFACES. U.O.N.  
 B. ALL JOINTS, GAPS OR SPACES LEADING TO ALL HOLLOW OR INACCESSIBLE SPACES SHALL BE SEALED WITH "NSF INTERNATIONAL" APPROVED SEALANTS.

**REMODEL IMAGE (RI)**

(1 RI) G.C. TO ADJUST MAXIMUM DOOR OPERATING PRESSURE ON RESTROOM AND STOREFRONT DOORS. (5 LBS INTERIOR, 8 LBS EXTERIOR).

(2 RI) NEW DRIVE THRU WINDOW & FRAME IN NEW LOCATION AS SHOWN. INFILL EXTERIOR WALL TO MATCH ADJACENT. REFER TO DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.

(3 RI) NEW STOREFRONT SYSTEM, ENTRY DOOR AND WINDOW. REFER TO DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.

(4 RI) NEW H.M. DOOR & FRAME, PROVIDE NEW THRESHOLD. REFER TO DOOR & WINDOW SCHEDULE FOR ADDITIONAL INFORMATION.

(5 RI) NEW STOREFRONT SYSTEM, WINDOW. REFER TO DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.

(6 RI) NEW INTERIOR WALL. REFER TO INTERIOR ELEVATIONS A8.0 AND WALL LEGEND D/A1.0 FOR ADDITIONAL INFORMATION.

(7 RI) NEW FLOOR SINK/DRAIN. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.

(8 RI) NEW ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

(9 RI) NEW FRP & BASE TILE ON ALL WALLS IN BOH.

(10 RI) INFILL OPENING IN WALL (SHOWN IN HATCH) WITH WOOD STUDS @ 16" O.C., 1/2" GYPSUM BOARD ON INTERIOR SIDE OF WALL, AND 1/2" SHEATHING AND E.I.F.S. ON EXTERIOR SIDE OF WALL. PROVIDE SMOOTH, FLUSH FINISH WITH ADJACENT SURFACES. REFER TO EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.

(11 RI) NEW MOP SINK AND FAUCET. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.

(12 RI) NEW ELECTRIC AND DATA WIRING THROUGHOUT. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

(13 RI) NEW WATER HEATER. REFER TO A2.1 EQUIPMENT SCHEDULE AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

(14 RI) NEW INSULATION AT EXTERIOR WALLS THROUGHOUT THE BUILDING. MATCH EXISTING R-VALUE.

(15 RI) NEW WALK-IN COOLER/FREEZER ON NEW CONCRETE PAD. SEE PANEL MFR, STRUCTURAL & MEP DRAWINGS FOR ADDITIONAL INFORMATION.

(16 RI) FULL HEIGHT CORNER GUARDS ON ALL OUTSIDE CORNERS IN KITCHEN AND THROUGHOUT BOH. REFER TO 6/A6.0 FOR ADDITIONAL INFORMATION.

(17 RI) NEW INTERIOR PONY WALL 48". REFER TO INTERIOR ELEVATIONS AND WALL LEGEND D/A1.0 FOR ADDITIONAL INFORMATION.

(18 RI) EXISTING WALL TO REMAIN. EXISTING WATER METER TO REMAIN. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.

(19 RI) NEW EXTERIOR WALL TO EXTENT SHOWN WITH WOOD STUDS @ 16" O.C., 1/2" GYPSUM BOARD ON INTERIOR SIDE OF WALL, AND 1/2" SHEATHING AND E.I.F.S. ON EXTERIOR SIDE OF WALL. PROVIDE SMOOTH, FLUSH FINISH WITH ADJACENT SURFACES. REFER TO EXTERIOR ELEVATIONS A4.0 & A4.1 FOR ADDITIONAL INFORMATION.

**ADA NOTES (AD)**

(1 AD) NEW ADA COMPLIANT THRESHOLD.

(2 AD) NEW FLOOR DRAIN TO BE LEVEL. FINISH FLOOR IN RESTROOM MUST NOT EXCEED 2% SLOPE IN ANY DIRECTION.

**GENERAL NOTES:**  
 1. ALL DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY G.C. WITH THE REQUIREMENT THAT THE G.C. NOTIFIES OWNER/AGENT OF ANY DISCREPANCY.

**WALL LEGEND** **D**

**FLOOR PLAN NOTES** **C**

**KEY NOTES** **B**

**ARCVISION**  
 INCORPORATED  
 ARCHITECTURE • ENGINEERING • STORE PLANNING  
 SAINT LOUIS / DALLAS / LAS VEGAS / ORLANDO  
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10/27/22

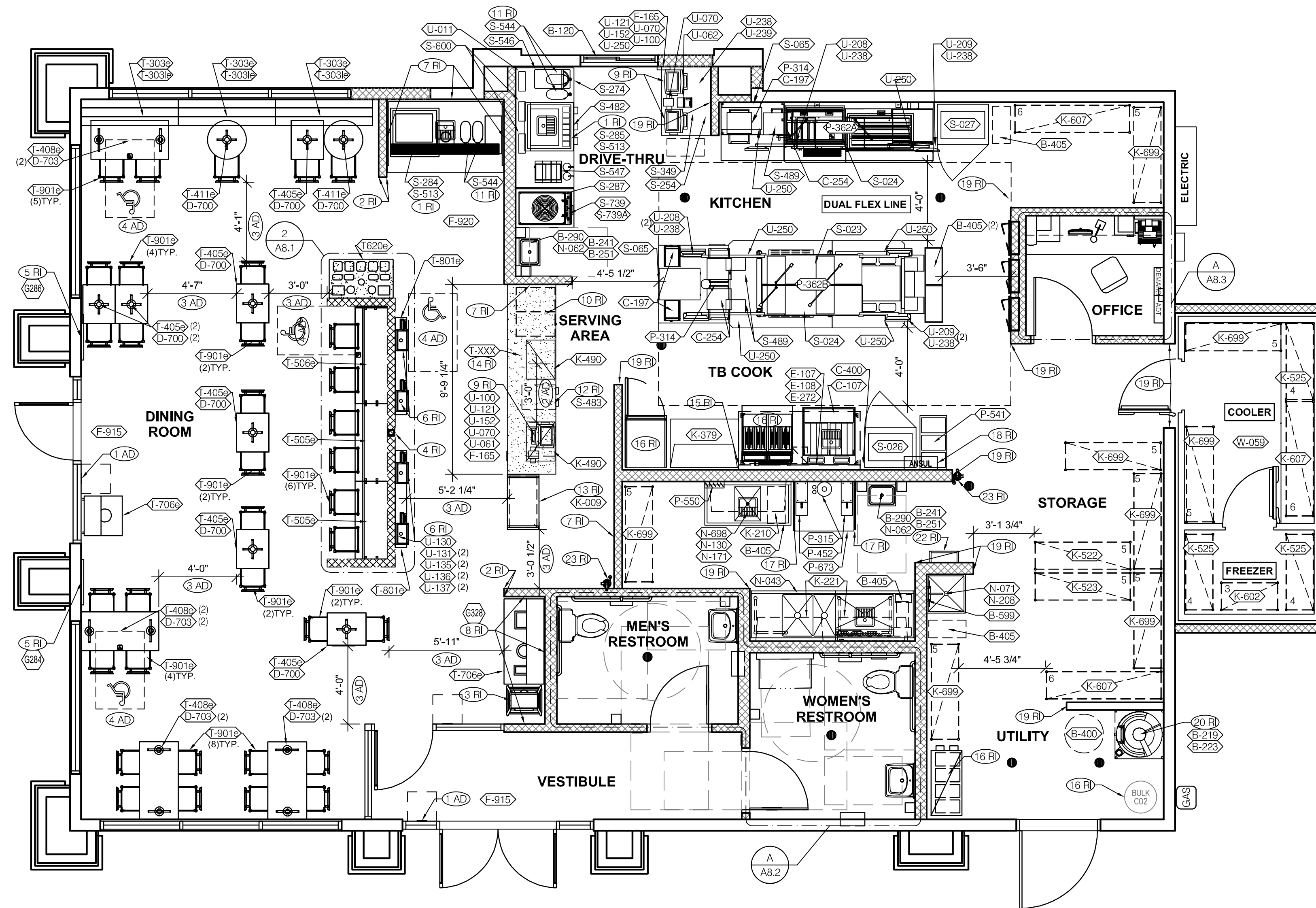
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 BRAND DESIGNER: FRANK WANCHE  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135



**A1.0**  
 PO SET ISSUED: 10.25.22





**SEATING AND EQUIPMENT PLAN** 1/4" = 1'-0" **A**

NEW FURNITURE SCHEDULE		
EQ#	COUNT	DESCRIPTION
D-700	9	22" X 22" X 28.5" H FREE STANDING TABLE BASE
D-703	8	22" X 5.5" X 28.5" H FREE STANDING TABLE BASE
T-505e	2	COUNTERTOP - 48" X 20" X 30"
T-506e	1	COUNTERTOP - 60" X 20" X 30" (ADA)
T-405e	7	LAMINATE TABLE - 24 X 20 X 30 - 2 TOP
T-408e	4	LAMINATE TABLE ADA - 24 X 48 X 30 - 4 TOP
T-411e	2	SS TABLE - 24 DIA X 30 - 2 TOP
T-201e	-	29" BARREL BARSTOOL
T-901e	35	CHAIR - BLACK METAL FRAME, LAMINATE SEAT
T-302e	-	BENCH SEAT - 48"
T-302le	-	BENCH BACK- 48"
T-303e	3	BENCH SEAT - 60"
T-303le	3	BENCH BACK- 60"
T-XXX	1	CUSTOM SERVICE COUNTER
T-620e	1	CONDIMENT TABLE
T-706e	1	SINGLE STREAM TRASH ENCLOSURE
T-708e	1	3-STREAM TRASH ENCLOSURE

- \*HOLD\* DIMENSIONS ARE FROM FACE OF FINISH.
  - G.C. TO CONFIRM \*HOLD\* DIMENSIONS WITH EQUIPMENT
  - ALL DIMENSIONS FOR SEATING SHALL BE FROM FACE OF GYP BD.
  - VERIFY ALL DIMENSIONS WITH SEATING VENDOR PRIOR TO INSTALLATION.
  - REFER TO SW SHEETS FOR SCOPE OF WORK RESPONSIBILITIES.
  - SEE INTERIOR ELEVATIONS A8.0 FOR LOCATION OF OWNER SUPPLIED ARTWORK.
  - PROVIDE THE FOLLOWING HARDWARE FOR EACH CABINET DOOR:  
KNOB: STANLEY 4482 (1 EA)  
CATCH: STANLEY SPO5 (1 EA)  
HINGE: STANLEY 1588 (2 EA)
  - ALL SOLID SURFACES TO BE PROPERLY SEALED PER MFRS SPECIFICATIONS.  
PAINT UNDERSIDE OF SERVICE COUNTER WITH WHITE GLOSS PAINT AND PROVIDE METAL ANGLE LEDGER FOR END OF COUNTER IF VENDOR DOES NOT PROVIDE ONE.
- SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE.

**SEATING PLAN NOTES** **C**

SQUARE FOOTAGES:		SEATING:	
FOH	1,036 SF	INTERIOR	40
BOH	1,151 SF		
<b>TOTAL</b>	<b>2,187 SF</b>	<b>TOTAL</b>	<b>40</b>

SHELVING QUANTITIES		
STORAGE TYPE	REQUIRED	PROVIDED
DRY	---	52 LINEAR FT.
COLD	---	20 LINEAR FT.
FROZEN	---	11 LINEAR FT.

**REMODEL IMAGE (RI)**

- (1 RI) EXISTING DRINK TABLE TO BE RELOCATED AND NEW ICE MACHINE INSTALLED BY G.C. BOTH NEW BEVERAGE MACHINES TO BE INSTALLED BY PEPSI TECHNICIAN.
- (2 RI) CORNER GUARD USE AS REQUIRED. REFER TO INTERIOR ELEVATIONS A8.0 FOR ADDITIONAL INFORMATION.
- (3 RI) NEW HIGH CHAIR BY OWNER, STACKED.
- (4 RI) ROUTE POWER AND DATA FOR NEW & RELOCATED KIOSK FROM CEILING DOWN THROUGH WIRE CHASE PROVIDED BY FURNITURE VENDOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (5 RI) NEW FRAMED ARTWORK. REFER TO INTERIOR ELEVATIONS A8.0 FOR ADDITIONAL INFORMATION.
- (6 RI) NEW AND EXISTING KIOSK TO BE REINSTALLED BY PAR TECHNICIAN AFTER CONSTRUCTION IS COMPLETE.
- (7 RI) INSTALL WALL TILE TO CEILING. REFER TO FINISH SCHEDULE A7.1 AND INTERIOR ELEVATIONS A8.0 FOR ADDITIONAL INFORMATION.
- (8 RI) GRAPHIC WALL MURAL.
- (9 RI) NEW POS AND EQUIPMENT TO BE INSTALLED BY PAR TECHNICIAN. NEW PANIC BUTTON TO BE INSTALLED. REFER TO 3/A8.5 FOR ADDITIONAL INFORMATION.
- (10 RI) EXISTING SAFE TO BE REINSTALLED BY BRINKS TECHNICIAN.
- (11 RI) NEW TEA URNS TO BE LOCATED AS SHOWN.
- (12 RI) NEW CUP DISPENSER TO BE LOCATED AS SHOWN AT SERVICE COUNTER.
- (13 RI) NEW GO MOBILE DELIVERY & PICKUP SHELF TO BE INSTALLED BY G.C. REFER TO INTERIOR ELEVATION 4/A8.0 & SHEET A8.5 FOR ADDITIONAL INFORMATION.
- (14 RI) NEW CUSTOM SERVICE COUNTER. REFER TO INTERIOR ELEVATIONS A8.0 & A8.5 FOR ADDITIONAL INFORMATION.
- (15 RI) G.C. TO INSTALL NEW ANSUL NOZZLE ABOVE NEW EQUIPMENT.
- (16 RI) EXISTING BOH EQUIPMENT TO BE RELOCATED AS SHOWN.
- (17 RI) SPLASH GUARD. REFER TO DETAIL 9/A6.0 FOR ADDITIONAL INFORMATION.
- (18 RI) ANSUL RELOCATED AS SHOWN.
- (19 RI) NEW BOH STAINLESS STEEL 2 X 2 CORNER GUARDS AND END WALL GUARDS TO BE INSTALLED AS REQUIRED. REFER TO DETAIL 6/A6.0 FOR ADDITIONAL INFORMATION.
- (20 RI) NEW GAS WATER HEATER. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- (21 RI) NEW DIGITAL MENU BOARD. REFER TO 10/A6.2 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- (22 RI) EXISTING RELOCATED ROOF ACCESS LADDER TO BE REINSTALLED.
- (23 RI) EXISTING FIRE EXTINGUISHER TO BE RELOCATED AS SHOWN.

**ADA NOTES (AD)**

- (1 AD) PROVIDE TACTILE EXIT SIGN AT EGRESS DOOR PER "TACTILE SIGN". REFER TO DETAIL ADA1.1 FOR ADDITIONAL INFORMATION.
- (2 AD) 36" MIN. CLEAR COUNTERTOP, 34" AFF REQUIRED PER ADA.
- (3 AD) MAINTAIN MINIMUM 36" CLEAR ACCESSIBLE AISLE, 32" AT DOORWAYS AND CASED OPENINGS. 42" MIN. EGRESS PATH ALONG ROUTES WITH ACCESSIBLE SEATING PREFERRED.
- (4 AD) 30" x 48" CLEAR FLOOR SPACE FOR ACCESSIBLE SEATING POSITION.

NEW FURNITURE SCHEDULE		
EQ#	COUNT	DESCRIPTION
G-284-E-F01	1	FRAMED ART - 28x40 GO MOBILE - BELL
G-286-E-F01	1	FRAMED ART - 28x40 GO MOBILE - LP
G-328-E-M01	1	CUSTOM SIZE GO MOBILE - LP MURAL

**ARTWORK SCHEDULE** **F**

**GENERAL INFORMATION** **D**

**KEY NOTES** **B**

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 1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146  
 PH. (314) 415-2400 FAX (314) 415-2300 www.arcv.com



10/27/22

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHE  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

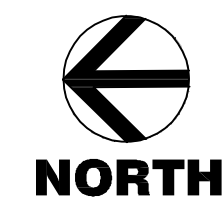
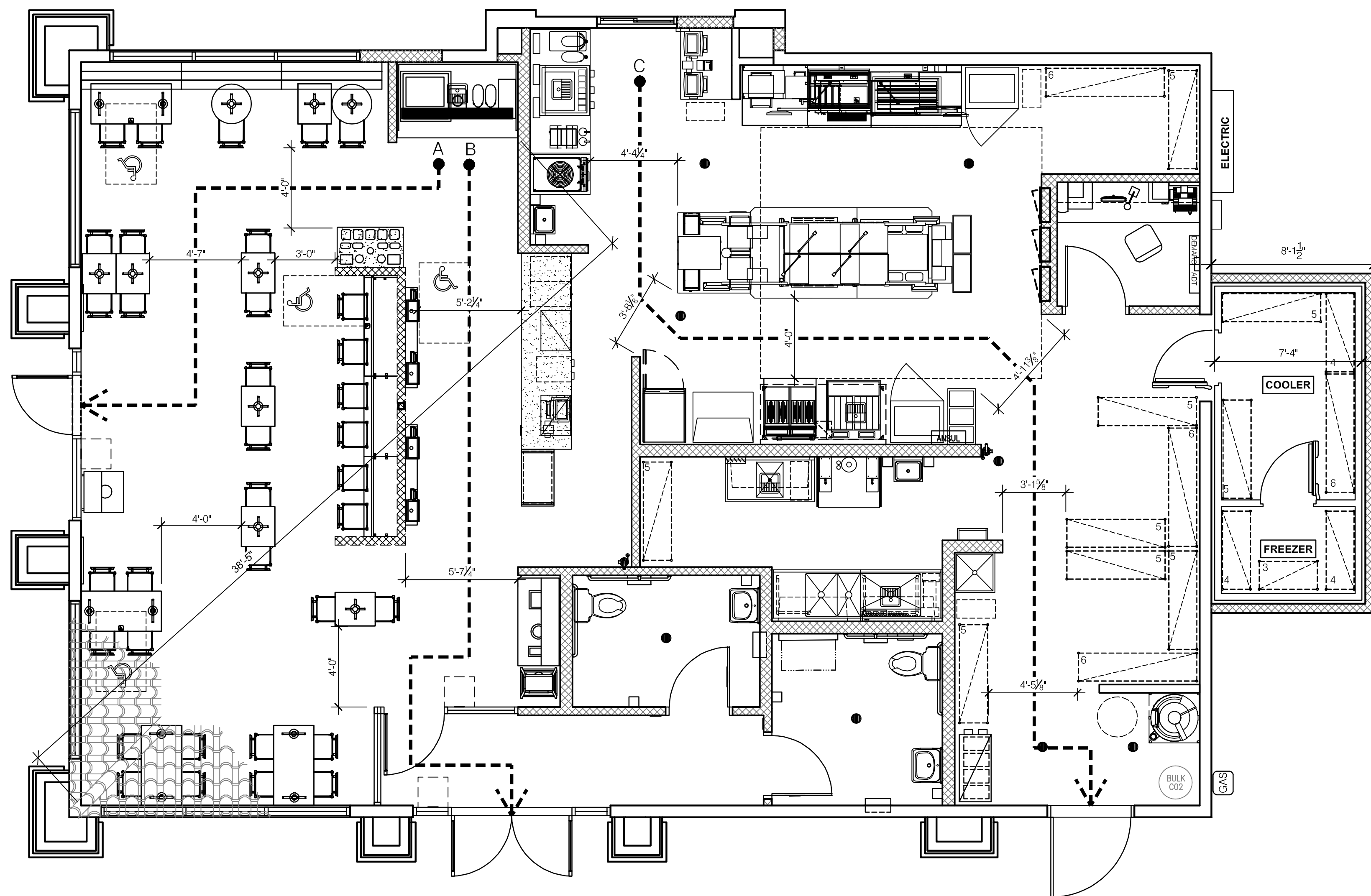
**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

**TACO BELL**  
 MAJOR REMODEL  
**SEATING AND EQUIPMENT PLAN**

**A2.0**  
 R0 SET ISSUED: 10.25.22

# EQUIPMENT SCHEDULE

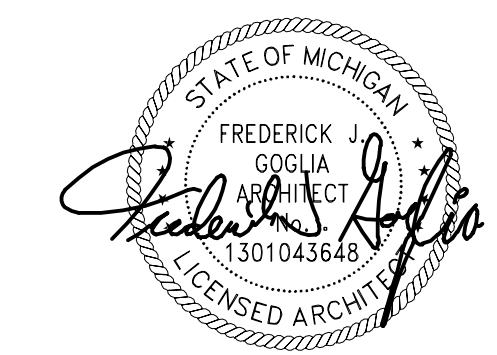
TAG	#	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMBING	ELECTRICAL	GAS	REMARKS	TAG	#	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMBING	ELECTRICAL	GAS	REMARKS
<b>B CONTRACTOR BUILDING ELEMENTS</b>															
B-049	-	ROOF LADDER	PRECISION LADDER #PH-G2-6X3-0					S-023	1	WARMER, EVO 1	CARTER HOFFMAN				MOUNT ON PRODUCTION LINE OVER SHELF
B-050	-	ROOF HATCH						S-024	1	WARMER, EVO 1	CARTER HOFFMAN				MOUNT ON PRODUCTION LINE OVER SHELF
B-120	1	DRIVE-THRU WINDOW						S-026	1	HEAT CABINET - FULL HEIGHT - (1) LH	CRESCOR #H137S27D1TB				W/8 SHELVES EACH
B-219	1	WATER HEATER DUNNAGE RACK	NEW AGE INDUSTRIAL CORP., INC #98147					S-027	1	HEAT CABINET - FULL HEIGHT - (1) RH	CRESCOR #H137S27D1TB				W/8 RACKS
B-223	1	98% HIGH EFFICIENCY 120 MBH, 60 GAL. GAS WATER HEATER	A.O. SMITH BTH 120 60 CYCLONE HE	X	X			S-065	2	DESSERT TOWER	HATCO #GRBW-24D				
B-241	4	SOAP DISPENSER (WALL MOUNT)	KAY 3741					S-204	1	DRIVE-THRU TIMER SYSTEM	HME #C11422TB				
B-251	4	SANITIZER DISPENSER (WALL MOUNT)	KAY 3741					S-254	1	CONDIMENT RACK	PRONTO #CHPMO446				
B-253	2	PAPER TOWEL DISPENSER/TRASH 12 GAL.	BOBRICK #B-3944					S-274	1	DRIVE-THRU BEVERAGE WORKSTATION	SPG WST1242YA				OPTIONAL: METRO
B-265	2	MIRROR, 18 X 36	BOBRICK #B-165-1836					S-283	1	DRINK STAGER WITHOUT STRAW HOLDER	WST788E				
B-275	2	TOILET PAPER DISPENSER	BOBRICK #B-2890					S-284	1	BEVERAGE DISPENSER - SELF-SERVE	CORNELIUS 611057625	X	X		SEE SCOPE OF WORK (PEPSI)
B-290	2	PAPER TOWEL DISPENSER	BOBRICK #B-262					S-285	1	BEVERAGE DISPENSER - DRIVE THRU	SERVEND	X	X		SEE SCOPE OF WORK (PEPSI)
B-300	2	GRAB BAR 1-1/2 DIA. X 42 S.S. FIN.	BOBRICK #B6806X42					S-286	1	WATER FILTER SYSTEM	SHURFLO #WB6-M3-22-003				FRANCHISEES CAN USE SELECTO
B-305	2	GRAB BAR 1-1/2 DIA. X 48 S.S. FIN.	BOBRICK #B6806X48					S-287	1	ISS-TABLE, D/T, TB, 24 IN X36 IN PREASSEMBLED	FBD #1273610021	X	X		#TBS/620-5
B-310	2	GRAB BAR VERTICAL 1-1/2 DIA. X 18 S.S. FIN.	BOBRICK #B6806X18					S-349	1	DRIVE-THRU PICK-UP WORKSTATION 30X42	SPG				OPTIONAL:METRO
B-381	1	CO2 CARBON DIOXIDE SENSOR/WARNING	LogiCO2 CO2 MK9 SENSOR		X			S-375	1	DRINK STATION	CARTER-HOFFMAN	X			S/S, INSULATED DRAIN TROUGH, WEIGHT RATED
B-400	2	WASTE BASKET - 32 GALLON	RUBBERMAID #2632 (GREY)					S-443	1	LID DISPENSER	CAL-MIL ADA TB103				
B-405	6	WASTE BASKET	RUBBERMAID 23 GALLON (BLACK)				S-LIM JIM	S-444	1	NAPKIN DISPENSER	TOR XPRESSNAP #5555100				
B-406	1	WASTE BASKET	RUBBERMAID 28 QT #2956 (BLACK)					S-482	1	CUP DISPENSER	A.J. ATUNES #DAC590				W/ ANGLED MOUNTING BRACKET OMNITEAM CDB-DTA
B-410	1	SANITARY NAPKIN RECEPTACLE	RUBBERMAID #6140					S-483	1	CUP DISPENSER	A.J. ATUNES #DAC550				MOUNTED ON 2 IN. STAINLESS STEEL WHEELS
B-599	1	MOP SINK SHELVE	SPG #W51806Y					S-489	2	SCALE	EDLUND				10#X 10Z, ELECTRONIC, EDLUND #DS-10 CSTM; WSM #113464
<b>C COOKING EQUIPMENT</b>															
C-079	1	DUAL FRYER	FRYMASTER #2FOG30U	X	X		COMES WITH GAS HOSE KIT (OPTIONAL: EXISTING	S-544	4	ICE TEA URN	BUNN/TDO-N-3.5				
C-107	1	RETHEMALIZER	PITCO #TB-SRTG14-2	X	X		PITCO #1B-SSHLV14-2(FD VS7)	S-546	1	ICED TEA BREWER	TETLEY TB3Q	X	X		
C-197	2	TOASTER, SPLIT LID	PROLUXE SL1286TB	X	X		POWERED BY PRODUCTION LINE - (OPTIONAL: STAR #PSC14DTB)	S-547	1	POD COFFEE BREWER	MY CAFE AP AUTOPOD #42300.0008	X	X		
C-254	2	CHEESE MELTER (SINGLE)	A.J. ATUNES #CM-100	X	X		POWERED BY PRODUCTION LINE	S-550	1	BAG-IN-BOX SYRUP RACK	CORNELIUS/REMCOR BNP1288P	X	X		FLO-3REG-2CIB (BY PEPSI)
C-400	1	RETHEMALIZER TIMER	FAST #TBZAP12120V	X	X			S-570	2	CARBONATOR	CORNELIUS/REMCOR	X	X		SHELF MOUNTED BELOW EACH DRINK (BY PEPSI)
<b>E EXHAUST HOODS/FIRE SUPPORT</b>															
E-107	1	KITCHEN HOOD	STRATOVENT #TBG3650SVBD6FT3IN	X	X			S-580	X	CO2 BULK TANK	MVE #11805373	X	X		
E-108	1	STROTEVENT 106 IN. H.X 111 IN. L BACK SPLASH	STROTEVENT MODEL #BACKSPLASH106X111FLA	X	X			S-600	4	BUNDLED SYRUP LINES	CORNELIUS/REMCOR TUBE BUNDLE	X	X		SEE SCOPE OF WORK (PEPSI)
E-272	1	TIMER OUTLET		X	X			S-739	1	FROZEN BEVERAGE DISPENSER, REMOTE	FBD #12-7362-00021	X	X		MUST ORDER REMOTE CONDENSER S-739A
<b>F OFFICE/EMPLOYEE/MUSIC/MISCELLANEOUS</b>															
F-014	1	FILE CABINET (2 DRAWER HIGH) 18X36X27H	HON #582L1				EXISTING - NEW WILL NOT FIT THE NEW OFFICE SPACE	S-739A	1	FREEZE TRANSFORMER		X	X		FREEZE TRANSFORMER
F-021	1	CHAIR - OFFICE	HON #4609AB10				IN OFFICE AREA, SEE SHEET AB.3	S-740	1	FROZEN BEVERAGE CONDENSER, REMOTE	FBD #12-3003-0006	X	X		40 IN X 17 IN X 21 IN 208 SINGLE PHASE 2 WIRE 15 AMP, 105LB
F-022	1	LICENSE FRAME (BLACK)	CREATIVE PALETTE TB30	X	X		IN OFFICE AREA, SEE SHEET AB.3	<b>U SECURITY/COMMUNICATIONS/FIRE PROTECTION/POS</b>							
F-026	1	DESK LAMP	TBD	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-011	1	BASE STATION - D/T COMM. SYSTEM	HME #C40000-5-HS3-TB				
F-030	1	COAT HOOK	ISS #HOCK246R2Y	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-052	2	SECURITY SYSTEM	ADT #39CZTB				
F-040	-	OFFICE COMPUTER	POS PROVIDED	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-061	1	CREDIT CARD READER					
F-050	1	CREDIT CARD SATELLITE ROUTER JUNCTION		X	X		IN OFFICE AREA, SEE SHEET AB.3	U-062	1	DRIVE-THRU CREDIT CARD READER	VERIFONE P400				
F-060	-	MONITOR - OFFICE	YUM	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-063	2	ALARM SENSOR					
F-080	1	OFFICE PRINTER/COPIER/FAX/SCANNER	POS PROVIDED	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-070	2	RECIPE PRINTER	EPSON				2 FOR F/C AND 1 D/T 5.71 IN X 7.68 IN X 5.83 IN
F-090	6	UPS (UN-INTERRUPTABLE POWER SUPPLY)	POS PROVIDED	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-100	3	POS/ORDER ENTRY TERMINAL					2 FOR F/C AND 1 D/T
F-102	1	MONEY COUNTER	TELLERMATE #TXR3000	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-121	2	CASH DRAWER BRACKETS	#SU186075Y				2 PER CASH DRAWER
F-131	1	SPEAKERS	MOOD MEDIA LOCAL LEASE	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-130	2	MOUNTING PLATE					
F-165	2	FRONT LOAD SAFE	PERMA VAULT #PRO-101M					U-131	2	KEYPAD MOUNTING PLATE					
F-174	-	SAFE WITH TOUCH SCREEN CONTROLS		X	X		EXISTING	U-135	2	KIOSK TABLET	SSP				
F-211	1	CLOCK	B&B SYSTEMS #02100100	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-136	2	VERIFONE (CREDIT CARD MACHINE)	SSP				
F-262	-	6 COUNT EMPLOYEE LOCKERS E76000235	LYON WORKPLACE 12" X 18" X 78" GREY	X	X			U-137	2	MONITOR SUPPORT ARM					
F-270	1	FIRST AID KIT	PROSTAT FIRST AID LCC #2617	X	X		IN OFFICE AREA, SEE SHEET AB.3	U-152	2	CASH DRAWER	IBM, NCR & PAR				2 FOR F/C AND D/T
F-500	2	STACKABLE HIGH CHAIR		X	X		IN OFFICE AREA, SEE SHEET AB.3	U-208	3	MONITOR SUPPORT ARM	FACILITY SOLUTIONS				KIT, TB, 39 L - CRADLE NOT INCLUDED
F-504	1	DVR & MONITOR		X	X		IN OFFICE AREA, SEE SHEET AB.3	U-209	3	MONITOR SUPPORT ARM	FACILITY SOLUTIONS				KIT, TB, 24.25 L MONITOR SUPPORT ARM, CHADLE NOT INCLUDED
F-915	2	FLOOR MAT	CREWSAFE, ENTRANCE 1 #41150012				RUBBERIZED - 3'x' RIBBED CHARCOAL WSM #800593	U-238	6	KITCHEN MONITOR	IBM, NCR & PAR				MONITOR ON STAND
F-920	1	RUBBER MAT	CREWSAFE, WSM#800507				RUBBERIZED - BLACK 2'x8, 1/4 NON SLIP CORRUGATED TOP & RUBBER NO-SLIP BACK ENTRANCE	U-239	2	MONITOR CEILING MOUNTED BRACKET	IBM, NCR & PAR				
<b>K WORKSTATIONS/SHELVING/CARTS</b>															
K-132	1	CART, CLOSING MADE SIMPLE	SPG / ISS (Alternate: METRO)				#WST1434Y, NOT SHOWN ON PLAN	<b>W WALK-IN COOLERS/FREEZERS</b>							
K-210	1	PREP SINK WORKSTATION 50 TRACK	SPG / ISS (Alternate: METRO)				#WST255E, Wall Trax System for 1-Comp Sink, 16X50X40 + ACC	W-059	1	WALK-IN (CUSTOM SIZE)	ICS/NORLAKE #105161	X	X		COMBO, TB, #105161, BUDGETARY 19-4X7X9-2 OAD, MEDIUM BUILDING PROTOTYPE, INCLUDES LED
K-221	1	3 COMP SINK WORKSTATION 96 TRACK	SPG / ISS (Alternate: METRO)				#DS1F, Wall Trax System for 3 Comp Sink, (3) 18X24 GHDS - ACC	<b>R REFRIGERATION</b>							
K-379	1	FRY WORKSTATION 42W X 30D X 75H	SPG / ISS (Alternate: METRO)				#WST1709EA, Ctspy Frystation 30x42x74	R-208	-	FRY STATION REACH-IN FREEZER (RIGHT HINGED)	DELFIELD #GBF1P-SH-TB2	X	X		OPTION: LEFT HINGED VERSION - DELFIELD #GBF1P-SH-K-TB2
K-420	1	SHELF, BEV PLATFORM 18X24	SPG / ISS (Alternate: METRO)				#WST34Y, F/CARBONATOR, &/OR RECIRC PUMP	R-209	-	FRY STATION REACH-IN FREEZER (LEFT HINGED)	DELFIELD #GBF1P-SH-TB2	X	X		OPTION: LEFT HINGED VERSION - DELFIELD #GBF1P-SH-K-TB2
K-490	2	SHELVING 18x24x24, 2-TIER	SPG / ISS (Alternate: METRO)				#WST440Y	<b>GO MOBILE</b>							
K-522	1	SHELVING, 18x60x76, 5-TIER, SMALL PACKAGING	SPG / ISS (Alternate: METRO)				#WST1548Y	G-009	1	9-HOLD 'GO MOBILE' PICKUP SHELF					NEW EQUIPMENT
K-523	1	SHELVING, 18x60x76, 3-TIER, CUP & LID	SPG / ISS (Alternate: METRO)				#WST1580Y	<b>L LIGHTING/SIGNAGE/MENUBOARDS</b>							
K-525	3	SHELVING 18x48x76, 5-TIER	SPG / ISS (Alternate: METRO)				#WST1613Y	L-043	4	DIGITAL MENU BOARD	STRATACACHE, LG 43" DISPLAY	X	X		
K-602	1	SHELVING, 18x36x86, 5-TIER, DRY STORAGE	SPG / ISS (Alternate: METRO)				#WST1238Y	<b>N SINKS/DISHWASHER</b>							
K-607	3	SHELVING, 18x72	SPG / ISS (Alternate: METRO)					N-043	1	3-COMP POWER SOAK 102	UNIFRED #PS6750	X	X		GEN IV POWERSOAK INCLUDES T&S FAUCET #B-2475-PS-OH (FRANCHISE OPTION: GEN III)
K-657	-	SHELVING 24x72x86, 5-TIER	SPG / ISS (Alternate: METRO)				#SU247285Y, WALK-IN COOLER 24X72X86	N-062	2	STAINLESS STEEL WALL MOUNTED SINK WITH FAUCET	AERO #HS-MOD	X	X		
K-698	-	SHELVING 18X24X74, 5-TIER	SPG / ISS (Alternate: METRO)				#SU186075Y	N-071	1	MOP SINK FAUCET	T&S B-2465	X	X		
K-699	8	SHELVING 18x60x74, 5-TIER	SPG / ISS (Alternate: METRO)				#SU186075Y	N-130	1	1 COMP PREP SINK FAUCET	T&S B-0831-WA	X	X		FRANCHISE OPTION N-134: T&S B-2465
<b>N SINKS/DISHWASHER</b>															
N-043	1	3-COMP POWER SOAK 102	UNIFRED #PS6750	X	X		GEN IV POWERSOAK INCLUDES T&S FAUCET #B-2475-PS-OH (FRANCHISE OPTION: GEN III)	N-141	2	WALL MOUNTED LAVATORY	AMERICAN STANDARDS BRAND	X	X		WHITE VITREOUS CHINA WALL MOUNTED LAVATORY WITH ACCESSORIES, N-141 IS METERED FAUCET, FAUCET, LAVATORY, CENTERSET MIXING, #B-0890-W5
N-062	2	STAINLESS STEEL WALL MOUNTED SINK WITH FAUCET	AERO #HS-MOD	X	X			N-146	2	FAUCET (RESTROOMS)	T&S FAUCET B-0831-WA	X	X		2" TWIST TYPE FOR N-698
N-071	1	MOP SINK FAUCET	T&S B-2465	X	X			N-171	1	LEVER WASTE DRAIN		X	X		
N-130	1	1 COMP PREP SINK FAUCET	T&S B-0831-WA	X	X		FRANCHISE OPTION N-134: T&S B-2465	N-206	1	MOP SINK	AERO #3MP-2121-6/1P	X	X		INCLUDES (2) 24X36 WALL PANELS
N-141	2	WALL MOUNTED LAVATORY	AMERICAN STANDARDS BRAND	X	X		WHITE VITREOUS CHINA WALL MOUNTED LAVATORY WITH ACCESSORIES, N-141 IS METERED FAUCET, FAUCET, LAVATORY, CENTERSET MIXING, #B-0890-W5	N-698	1	1 COMP PREP SINK 53W X 27D X 35 1/2H	AERO #2F1211617LR	X	X		
N-146	2	FAUCET (RESTROOMS)	T&S FAUCET B-0831-WA	X	X		2" TWIST TYPE FOR N-698	<b>P FOOD PREPARATION</b>							
N-171	1	LEVER WASTE DRAIN		X	X			P-314	1	REGULATOR WATER PRESSURE	A.J. ATUNES #7000314	X	X		
N-206	1	MOP SINK	AERO #3MP-2121-6/1P	X	X		INCLUDES (2) 24X36 WALL PANELS	P-315	1	REVERSE OSMOSIS SYSTEM	BM #68123-06, FSTM-075	X	X		INSTALL OVER FLOOR SINK
N-698	1	1 COMP PREP SINK 53W X 27D X 35 1/2H	AERO #2F1211617LR	X	X			P-362A	1	1-LINE FLEX (3RD LINE, RIGHT TO LEFT PRODUCTION FLOW)	SERTEK	X	X		ALT. NOTE: BAG HOLDER NO LONGER INCLUDED WITH PRODUCTION LINE - SEE EQUIPMENT PLAN FOR ORIENTATION AND NUMBER OF LINES
<b>P FOOD PREPARATION</b>															
P-314	1	REGULATOR WATER PRESSURE	A.J. ATUNES #7000314	X	X			P-362B	1	FLEX DUAL LINE	SERTEK	X	X		ALT. NOTE: BAG HOLDER NO LONGER INCLUDED WITH PRODUCTION LINE - REFER TO EQUIPMENT PLAN FOR ORIENTATION AND NUMBER OF LINES
P-315	1	REVERSE OSMOSIS SYSTEM	BM #68123-06, FSTM-075	X	X		INSTALL OVER FLOOR SINK	P-417	1	9-CHANNEL TIMER	FAST #KTRACK2X4TB	X	X		
P-362A	1	1-LINE FLEX (3RD LINE, RIGHT TO LEFT PRODUCTION FLOW)	SERTEK	X	X		ALT. NOTE: BAG HOLDER NO LONGER INCLUDED WITH PRODUCTION LINE - SEE EQUIPMENT PLAN FOR ORIENTATION AND NUMBER OF LINES	P-452	2	HOT WATER SYSTEM	BUNN-MACHINE #43600.0014	X	X		Each System = Water Heater #43600.0014, Bracket #13125.0003, Shelf #12599.0000, Scale Inhibitor #39000.0001
P-362B	1	FLEX DUAL LINE	SERTEK	X	X		ALT. NOTE: BAG								



**EGRESS PLAN** 1/4"=1'-0" **A**

PATH OF EGRESS		
<b>SYMBOLS</b>		<b>A1</b>
EGRESS PATH	DISTANCE	
A	30'-0"	
B	40'-0"	
C	56'-0"	
<b>EGRESS DISTANCE</b>		<b>A2</b>

**ARCVISION**  
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 SAINT LOUIS / DALLAS / LAS VEGAS / ORLANDO  
 1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146  
 PH. (314) 415-2400 FAX (314) 415-2300 www.arcv.com



10/27/22

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135



**EGRESS PLAN**

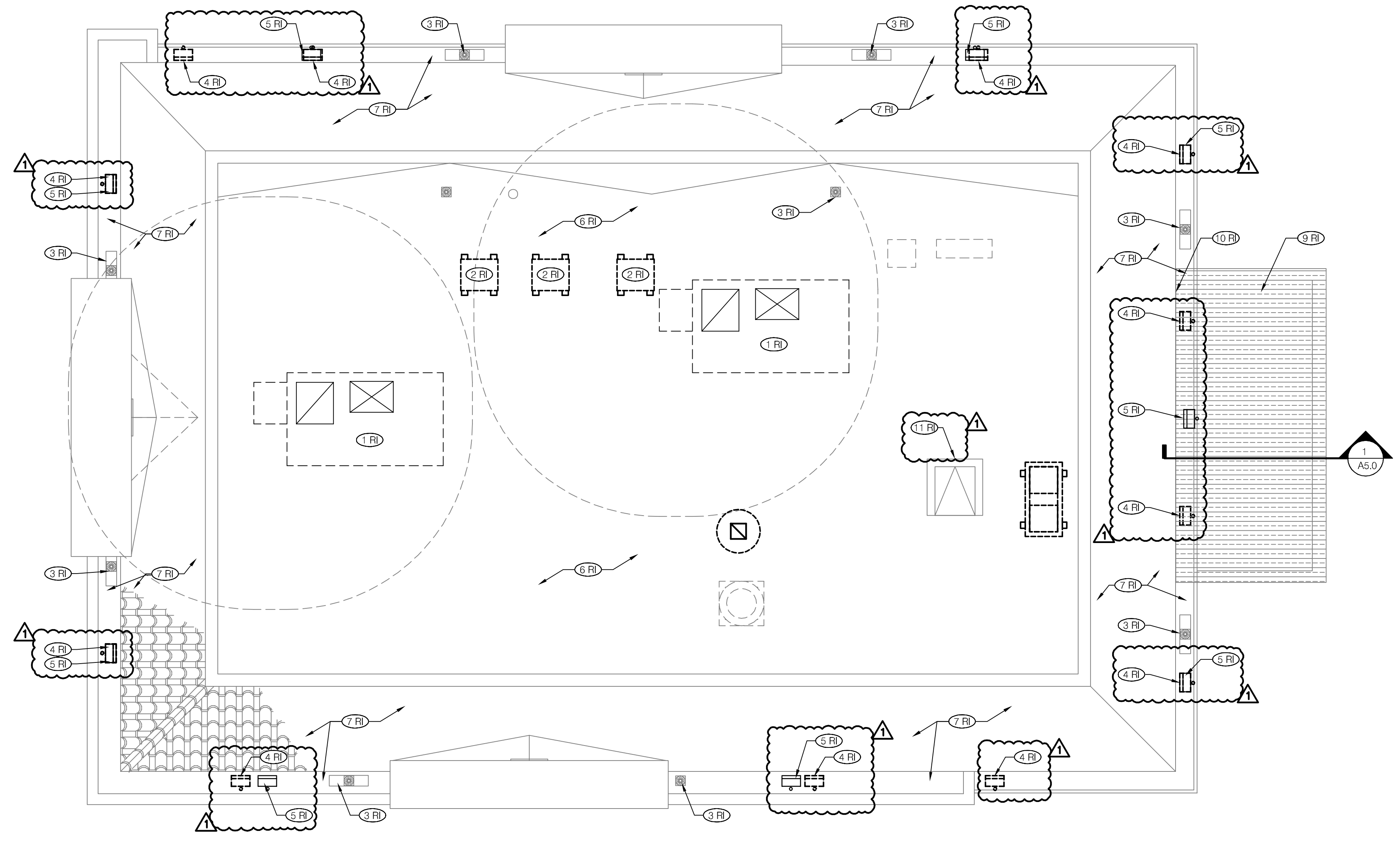
**A2.3**

R0 SET ISSUED: 10.25.22

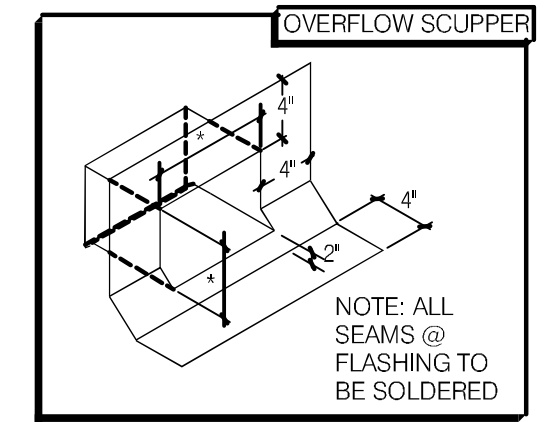
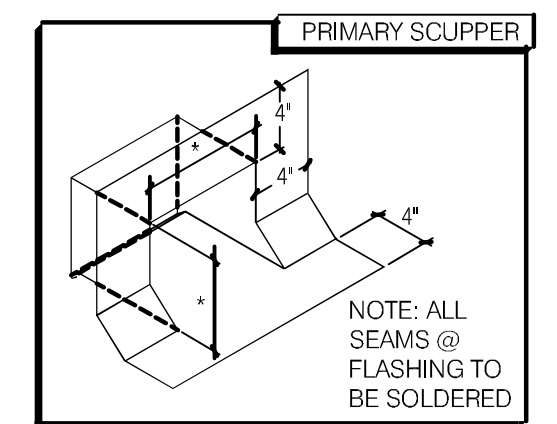
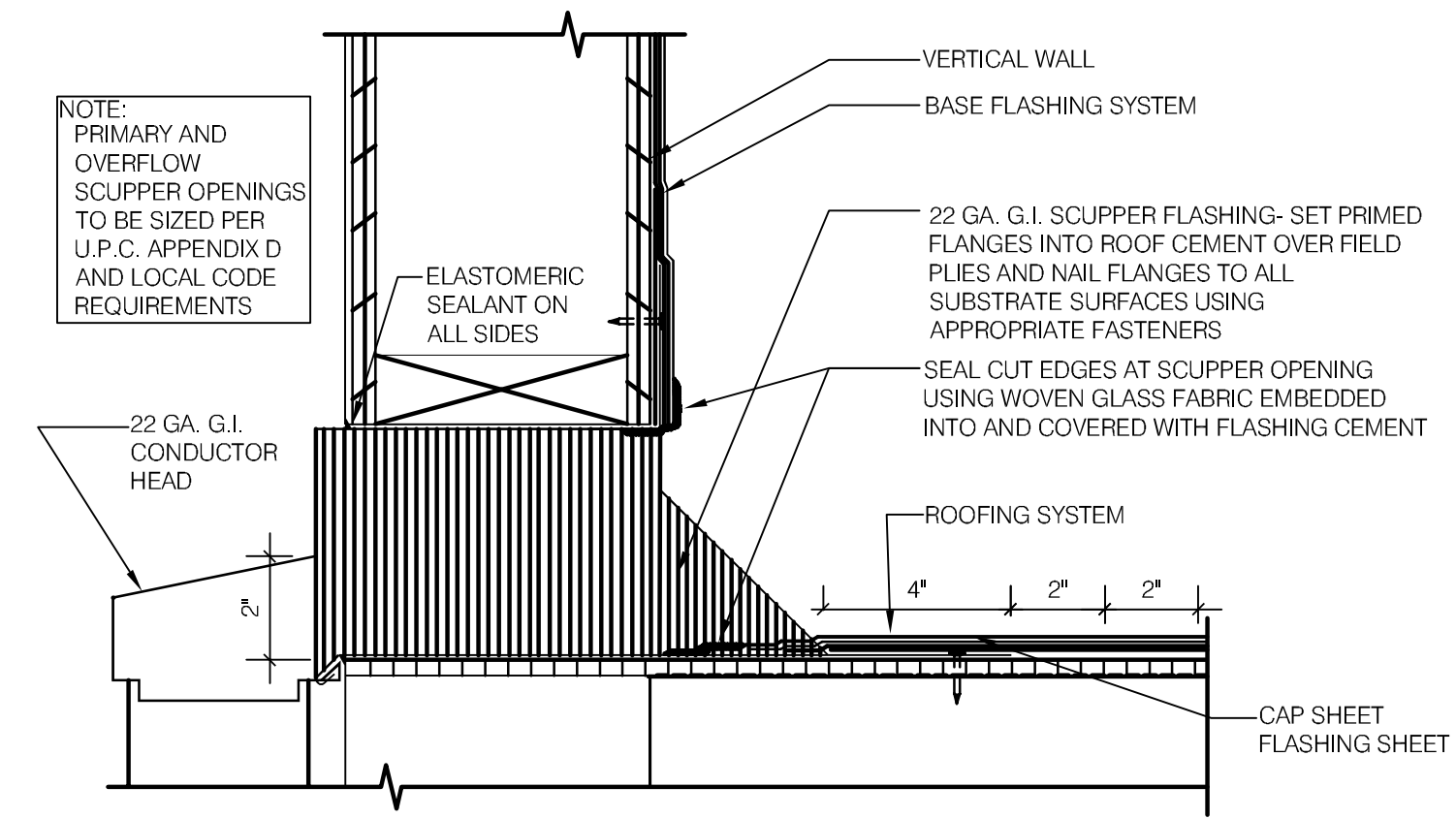


NOTE: ALL MANSARD LIGHT FIXTURES MUST BE MOUNTED AND SECURED WITH FIXED BRACKETS TO ENSURE FIXTURES ARE NOT CAPABLE OF MOVING AFTER INSTALLATION. G.C. TO INSTALL MANSARD LIGHTING TO ILLUMINATE ONTO THE ROOF TILES ONLY. ENSURE LIGHTING IS NOT ANGLED UPWARD TOO MUCH AND STOPS AT THE TOP ROOF PARAPET WALL.

NOTE: THE AMOUNT OF LIGHT FIXTURES INSTALLED WAS REDUCED TO COMPLY WITH NEW CITY ORDINANCE.



ROOF PLAN 1/4" = 1'-0" A



\* DESIGN AND SIZE PER LOCAL REQUIREMENTS TAP103

SCUPPER FLASHING D

WATERPROOFING:  
 A. PAINT UNDERSIDE OF PARAPET CAP FLASHING WITH FACTORY BONDED PAINT GRIP OR PRIMER.  
 B. TOP NAILING AT PARAPET CAP FLASHING WILL NOT BE ACCEPTED.  
 C. PENETRATIONS IN ROOFING MEMBRANE AND FLASHING SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS OR SPECS.  
 D. SEE SPECIFICATIONS FOR SEALANT SPECS.  
 E. ALL SHEET MTL FLASHING SHALL BE 22 GA MIN.

MISCELLANEOUS:  
 A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.  
 B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY.  
 C. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

ROOF PLAN NOTES C

- REMODEL IMAGE (RI)
- (1) RT EXISTING RTU'S TO REMAIN. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
  - (2) RT NEW RTU'S. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
  - (3) RT G.C. TO CLEAN AND SCOPE ROOF DRAINS TO CONFIRM THEY ARE IN GOOD WORKING ORDER.
  - (4) RT EXISTING MANSARD LIGHTING FIXTURES AND WIRING TO BE REMOVED. (12) LIGHTING FIXTURES TO BE REMOVED COMPLETELY.
  - (5) RT NEW LED LIGHTING FIXTURES SOME ARE INSTALLED AT DIFFERENT LOCATIONS, AS SHOWN. (9) NEW LIGHT FIXTURES TO BE INSTALLED. G.C. PROVIDE NEW ELECTRIC WIRING, REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
  - (6) RT G.C. TO PRESSURE WASH AND CLEAN EXISTING PVC ROOF.
  - (7) RT G.C. TO PRESSURE WASH ENTIRE MANSARD TILES AND GUTTER PANS. PATCH AND REPAIR AS REQUIRED.
  - (8) RT NEW CONDENSER FOR WALK-IN COOLER. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
  - (9) RT NEW METAL ROOF FURNISHED BY VENDOR, INSTALLED BY G.C. REFER TO A5.0 FOR ADDITIONAL INFORMATION.
  - (10) RT NEW OVERFLOW SCUPPER. REFER TO DETAIL D/A3.0 FOR ADDITIONAL INFORMATION.
  - (11) RT EXISTING ROOF HATCH TO REMAIN.

KEY NOTES B



02.08.23 CITY COMMENTS

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

TACO BELL  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135



ROOF PLAN

**A3.0**

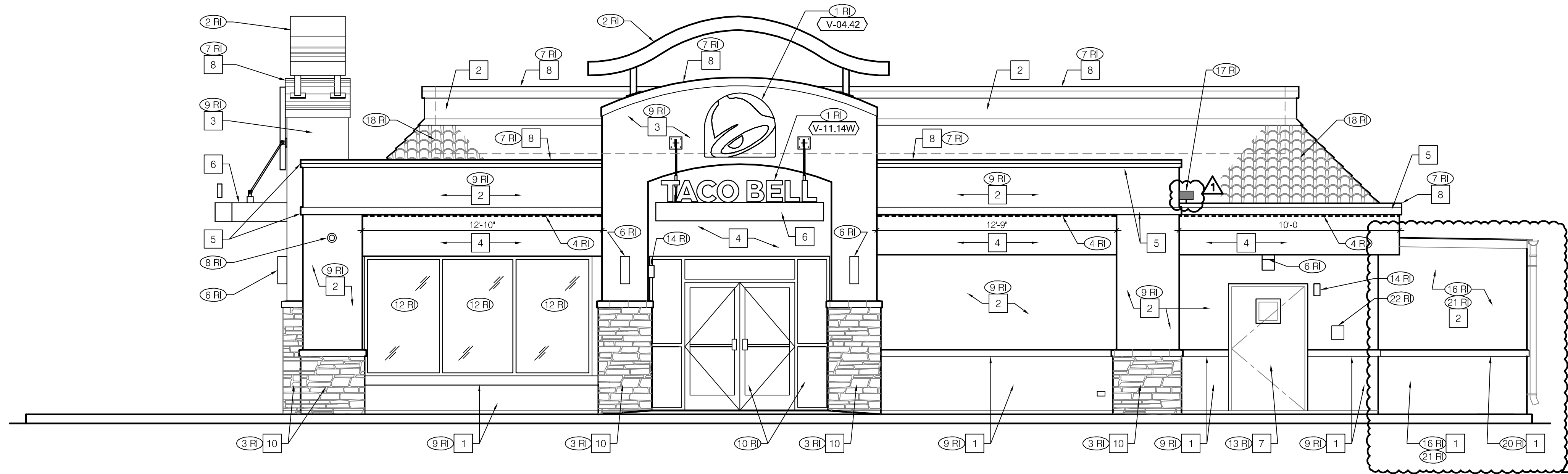
R0 SET ISSUED: 10.25.22

**NOTE TO GC:**  
SIGNS BY VENDOR UNDER A SEPARATE PERMIT

**NOTE TO GC:**  
ENTRANCES SHALL BE IDENTIFIED WITH A SIGN OR STICKER OF THE STANDARD ACCESSIBILITY LOGO

**NOTE TO GC:**  
COORDINATE INSTALLATION OF NEW LED STRIP FIXTURE WITH SIGN VENDOR. VERIFY POWERING REQUIREMENTS AND CONNECTION LOCATIONS.

**PAINTING NOTE:**  
ALL PAINT TRANSITIONS TO OCCUR AT INSIDE CORNER.



**SIDE ENTRY PORTAL ELEVATION** 1/4" = 1'-0" **A**

SYMBOL	AREA	MANUFACTURER	MATERIAL SPEC	COLOR	ALTERNATE MFR.	ALTERNATE MATERIAL SPEC	ALTERNATE MATERIAL COLOR	COMMENT
1	WALL COLOR - E.I.F.S.	EXISTING/NEW	MATCH EXISTING	PAINT SW7033 BRAINSTORM BRONZE	-	-	-	PAINTING OVER EXISTING EIFS/STUCCO. APPLICATOR MUST DO THEIR DUE DILIGENCE WITH PREPARATION. PRIMER: 1 COAT SW A24W1100. LOXON CONDITIONER FINISH: 2 COATS SW A82-100 SERIES. A-100 EXTERIOR LATEX SATIN
2	WALL COLOR MAIN - E.I.F.S.	EXISTING/NEW	MATCH EXISTING	PAINT SW7043 WORLDLY GRAY	-	-	-	
3	TOWER COLOR - E.I.F.S.	EXISTING	MATCH EXISTING	PAINT SW9180 AGED WHITE	-	-	-	
4	ACCENT WALL COLOR - E.I.F.S.	EXISTING/NEW	MATCH EXISTING	PAINT TB2603C PURPLE	-	-	-	
5	ACCENT BAND COLOR	EXISTING	MATCH EXISTING	PAINT SW9180 AGED WHITE	-	-	-	
6	METAL CANOPIES	EXISTING	EXISTING TO BE REPAINTED AS NEEDED	DRYLAC POWDER COATINGS SW7033 BRAINSTORM BRONZE	-	-	-	
7	SERVICE DOOR	NEW	H.M	PAINT SW7043 WORLDLY GRAY	-	-	-	
8	PARAPET CAP	EXISTING	GALV. METAL	PAINT SW7055 ENDURING BRONZE	-	-	-	
9	GAS & ELECTRICAL EQUIPMENT	EXISTING	MATCH EXISTING	PAINT SW7043 WORLDLY GRAY	-	-	-	
10	STONE	REPAIR	MATCH EXISTING					

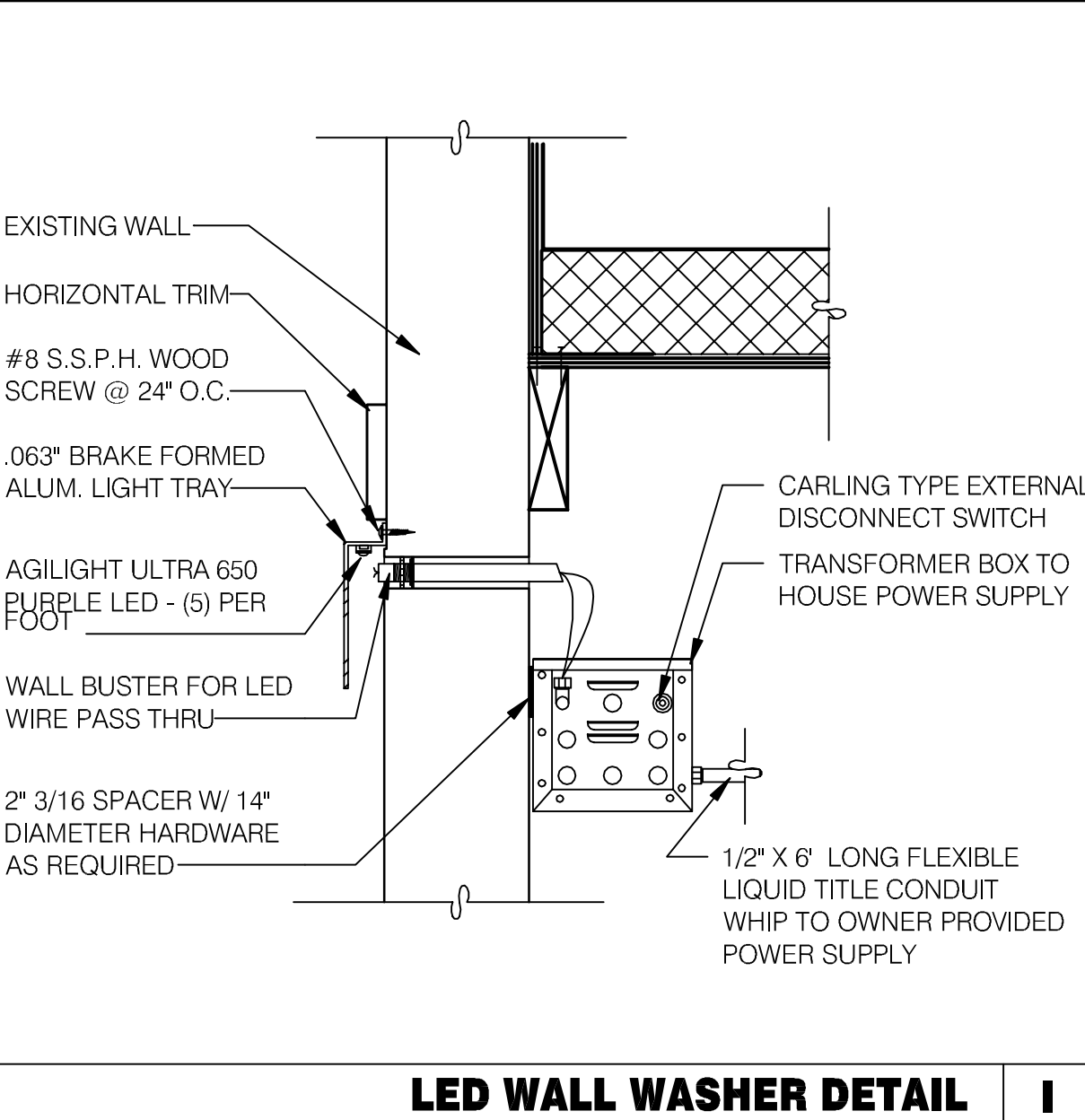
EQ #	COUNT	DESCRIPTION	ELEC
V-04.42	2	42" SWINGING BELL - PURPLE LOGO - FACE LIT - 3'-6" x 3'-10 3/4"	X
V-04.36	1	36" SWINGING BELL - PURPLE LOGO - FACE LIT - 3'-0" x 3'-3 3/4"	X
V-11.14W	3	MEDIUM TB 14" LETTERS - WHITE CHANNEL LETTERS - LINEAR AWNING MOUNTED	X
P97G2	1	P97 FLAT G2, PYLON REFURBISH, NEW FACES, LED UPGRADE, CLAD/COLUMN - BLACK	X

**SIGNAGE SCHEDULE** **B**

EQ#	COUNT	DESCRIPTION
G-520	1	G-520-E-M02-CUSTOM SIZE - GO MOBILE - BELL EXPRESSION PANEL

**EXTERIOR FINISH SCHEDULE** **D**

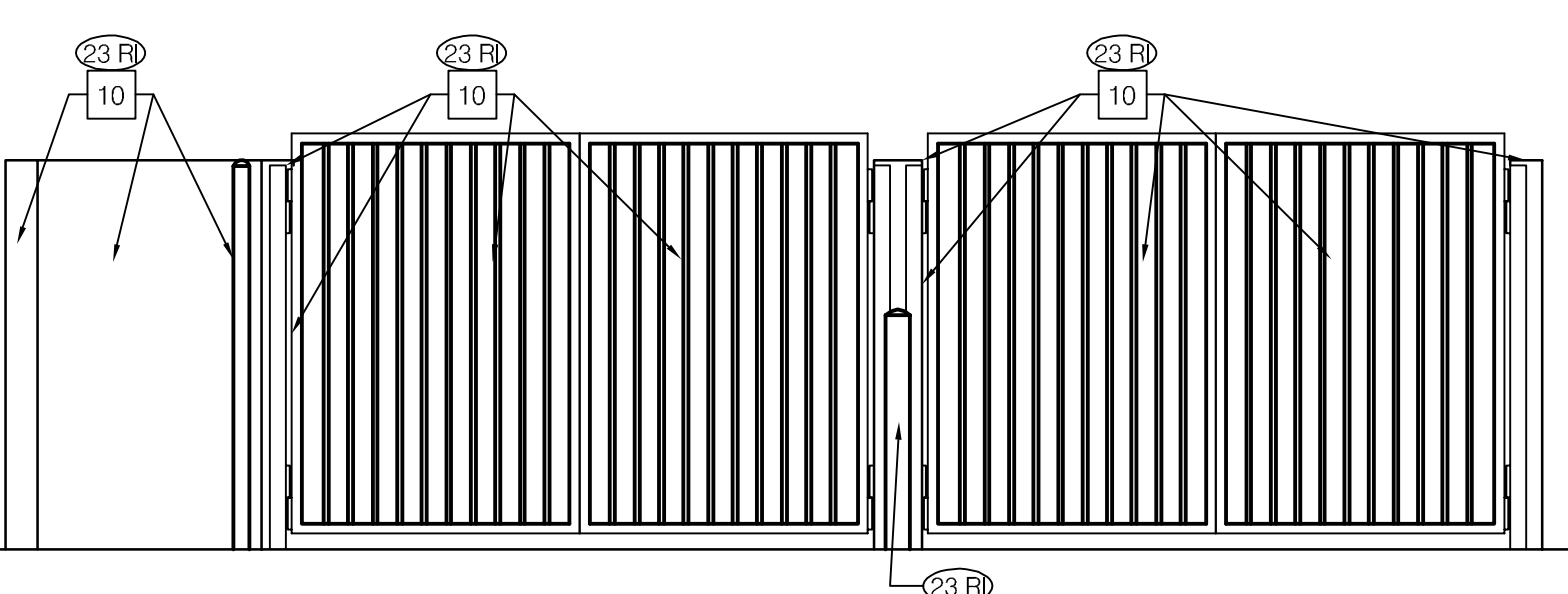
**ARTWORK SCHEDULE** **C**



**LED WALL WASHER DETAIL** **I**

- MISCELLANEOUS**
- SEE SCOPE OF WORK FOR RESPONSIBILITIES. PROVIDE BLOCKING FOR SIGNAGE, TRELIS AND CANOPY.
  - DURO-LAST TERMINATION BAR SHALL BE URBANE BRONZE.
  - OWNER REPRESENTATIVE WILL IDENTIFY WHICH PAINT SPECIFICATION WILL BE PRIMARY
- SEALERS (REFER TO SPECS)**
- SEALANT AT ALL WALL AND ROOF PENETRATIONS.
  - SEALANT AT ALL WINDOW AND DOOR FRAMES AT HEAD, SILL AND JAMB.
- ☐ DENOTES EXTERIOR FINISH  
X-XXX DENOTES SIGNAGE - VENDOR SUPPLIED AND INSTALLED. SEE SCOPE OF WORK

**GENERAL NOTES** **G**



**EXISTING TRASH ENCLOSURE** **H**

- REMODEL IMAGE (RI)**
- NEW BUILDING SIGNS TO BE INSTALLED AND PERMITTED AND BY VENDOR.
  - EXISTING "FLYING ARCH" TO REMAIN. DO NOT PAINT.
  - EXISTING STONE TO REMAIN. PATCH AND REPAIR AS REQUIRED.
  - NEW LED STRIP LIGHT FIXTURE IN METAL COVE CHANNEL. COORDINATE INSTALLATION AFTER EXTERIOR IS PAINTED AND PROVIDE CONCEALED ELECTRICAL CONNECTION TO PANEL AND ON THE SIGNAGE TIMER. PERMITTED AND INSTALLED BY VENDOR. REFER TO DETAIL I/A4.0.
  - NEW EXTERIOR ARTWORK, SUPPLIED BY VENDOR INSTALLED BY G.C. REFER TO ARTWORK SCHEDULE.
  - NEW LIGHT FIXTURE. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
  - EXISTING/NEW GALV. METAL PARAPET CAP, PRIME & PAINT AS NOTED.
  - EXISTING SECURITY CAMERA. REMOVE AS NEEDED FOR NEW PAINTING.
  - REPAIR ALL DAMAGED E.I.F.S. AS NEEDED BEFORE PAINTING. TYP. REFER TO E.I.F.S. NOTES FOR ADDITIONAL INFORMATION.
  - NEW STOREFRONT SYSTEM, DOOR AND WINDOW. REFER TO DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.
  - NEW DRIVE THRU WINDOW. REFER TO DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.
  - NEW STOREFRONT SYSTEM, WINDOW. REFER TO DOOR & WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.

**E.I.F.S. NOTES** **F**

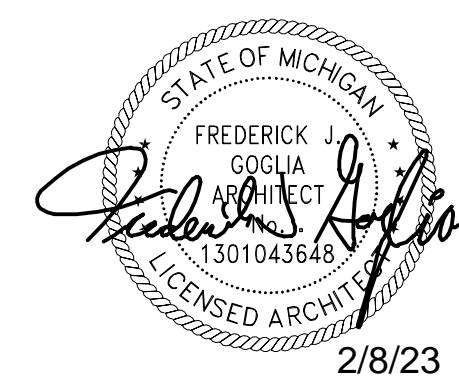
- BASE THICKNESS - 1" THICK STUCCO/ E.I.F.S. W/ HIGH IMPACT MESH TO HEIGHT OF 8'-0" A.F.F.**
- ALL NEW E.I.F.S. TO HAVE A LIGHT SAND FINISH UNLESS IT MUST BLEND WITH AN EXISTING CONTRASTING FINISH.
- E.I.F.S. SHALL MEET THE PERFORMANCE CHARACTERISTICS REQUIRED IN ASTM E 2568
  - E.I.F.S. WITH DRAINAGE SHALL HAVE 90 PERCENT DRAINAGE EFFICIENCY WHEN TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM E 2273
  - E.I.F.S. SHALL COMPLY WITH SECTION 1403 OF THE IBC.
  - WATER RESISTIVE BARRIER SHALL COMPLY WITH SECTION 1404.2 OF THE IBC AND ASTM E 2570
  - INSTALLATION SHALL COMPLY WITH E.I.F.S. MANUFACTURERS INSTRUCTIONS AND THE PROVISIONS OF SECTIONS 1704.1 AND 1704.14 OF THE IBC.
  - ETC. USE DETAIL 7/A6.2 WHEN MOUNTING SIGNAGE, AWNING, THROUGH E.I.F.S. FINISH AT WALLS.

**E.I.F.S. NOTES** **F**

**KEY NOTES** **E**

- NEW SERVICE DOOR AND FRAME IN NEW WALL OPENING. REFER TO STRUCTURAL DRAWINGS & DOOR AND WINDOW SCHEDULE A1.1 FOR ADDITIONAL INFORMATION.
- NEW EMERGENCY EGRESS LIGHT FIXTURE. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- EXISTING GAS AND ELECTRICAL EQUIPMENT. PAINT AS INDICATED.
- NEW WALK-IN COOLER/FREEZER UNIT ON NEW CONCRETE PAD. REFER TO MANUFACTURE'S SPECS. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION.
- NEW LED MANSARD LIGHTING. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- POWER WASH MANSARD ROOF TILES AND GUTTERS. REPAIR OR REPLACE AS REQUIRED.
- EXISTING BOLLARD, PAINT OR PROVIDE NEW COVER, 'SAFETY YELLOW'.
- NEW E.I.F.S. BAND TO MATCH EXISTING.
- NEW EXTERIOR WALL WITH WOOD STUDS @ 16" O.C., 1/2" GYPSUM BOARD ON INTERIOR SIDE OF WALL, AND 1/2" SHEATHING AND E.I.F.S. ON EXTERIOR SIDE OF WALL, TO MATCH EXISTING. PROVIDE SMOOTH, FLUSH FINISH WITH ADJACENT SURFACES. REFER TO WALL SECTIONS A5.0 AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- RELOCATED EXISTING CO2 FILLER.
- PAINT EXISTING TRASH ENCLOSURE AS NOTED. REFER TO H/A4.0 FOR ADDITIONAL INFORMATION.

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2/8/23

02.08.23 CITY COMMENTS

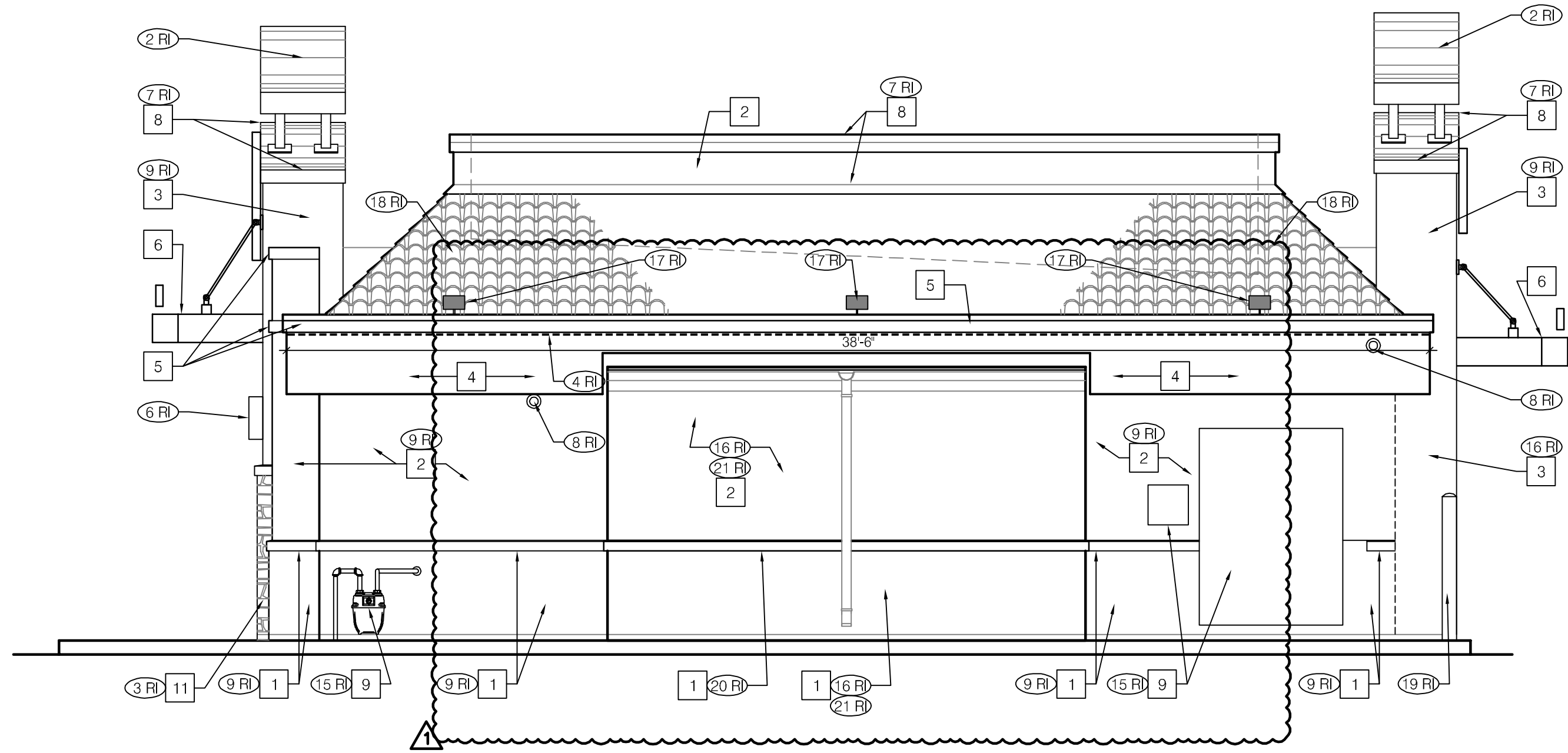
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BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCHE  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

**TACO BELL**  
28993 FORD ROAD  
GARDEN CITY, MI 48135

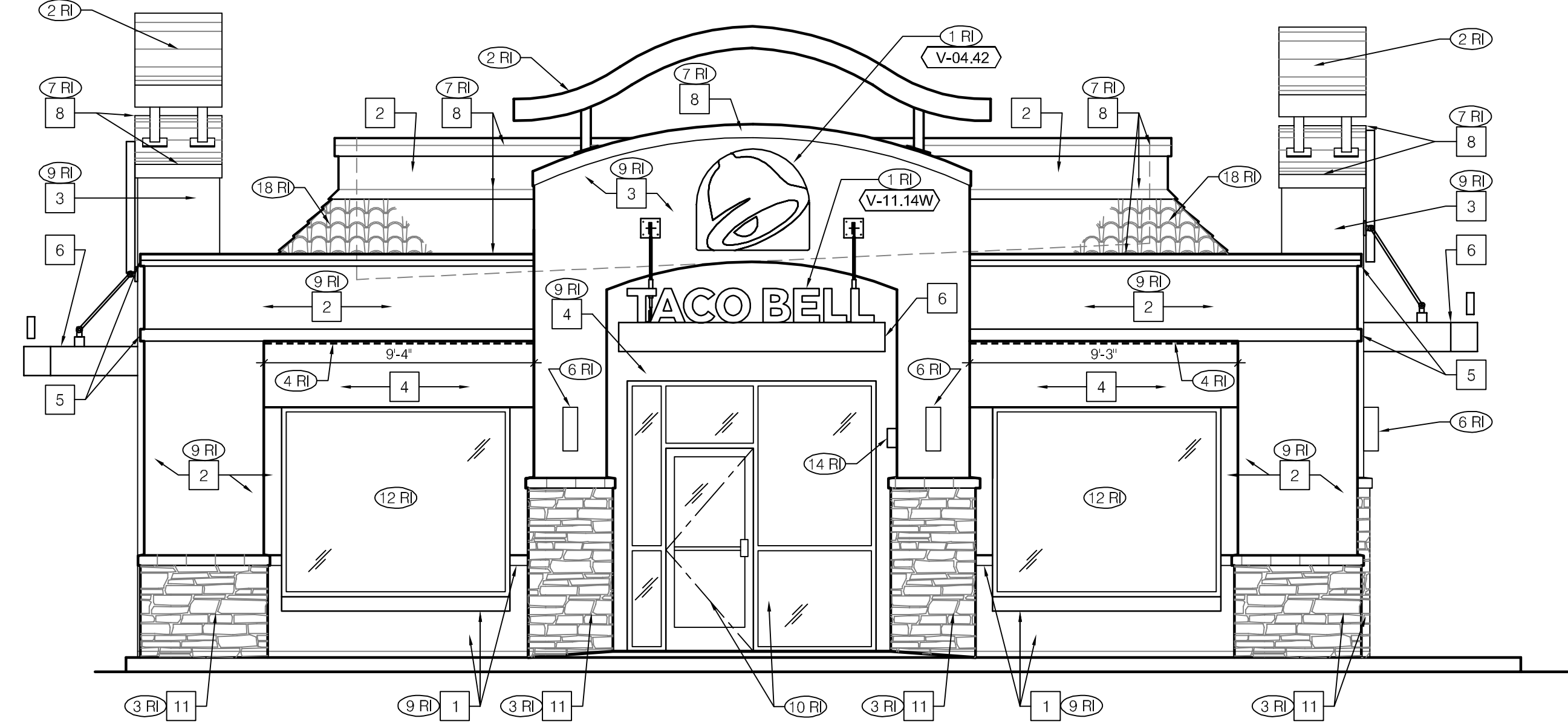
**MAJOR REMODEL**  
**EXTERIOR ELEVATION**

**A4.0**

R0 SET ISSUED: 10.25.22



**REAR ELEVATION** 1/4" = 1'-0" **B**



**FRONT ELEVATION** 1/4" = 1'-0" **A**

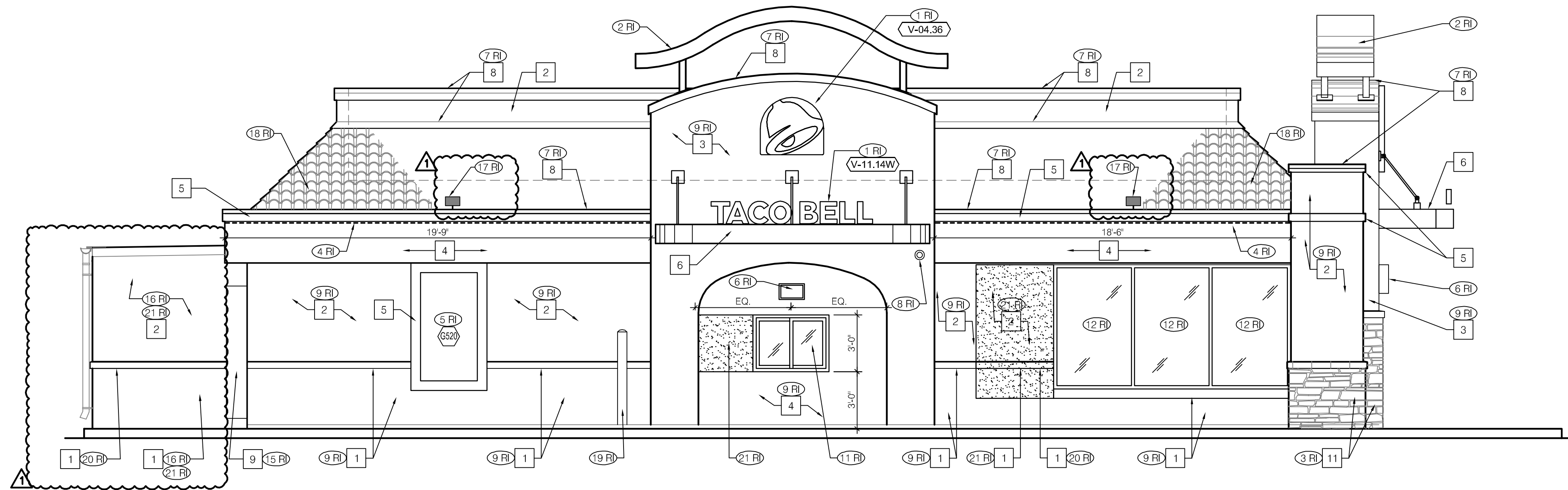
NOTE TO GC:  
SIGNS BY VENDOR UNDER A SEPARATE PERMIT

NOTE TO GC:  
SEE SHEET A4.0 FOR KEYNOTES

NOTE TO GC:  
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NOTE TO GC:  
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PAINTING NOTE:  
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**DRIVE THRU ELEVATION** 1/4" = 1'-0" **C**



2/8/23

02.08.23 CITY COMMENTS

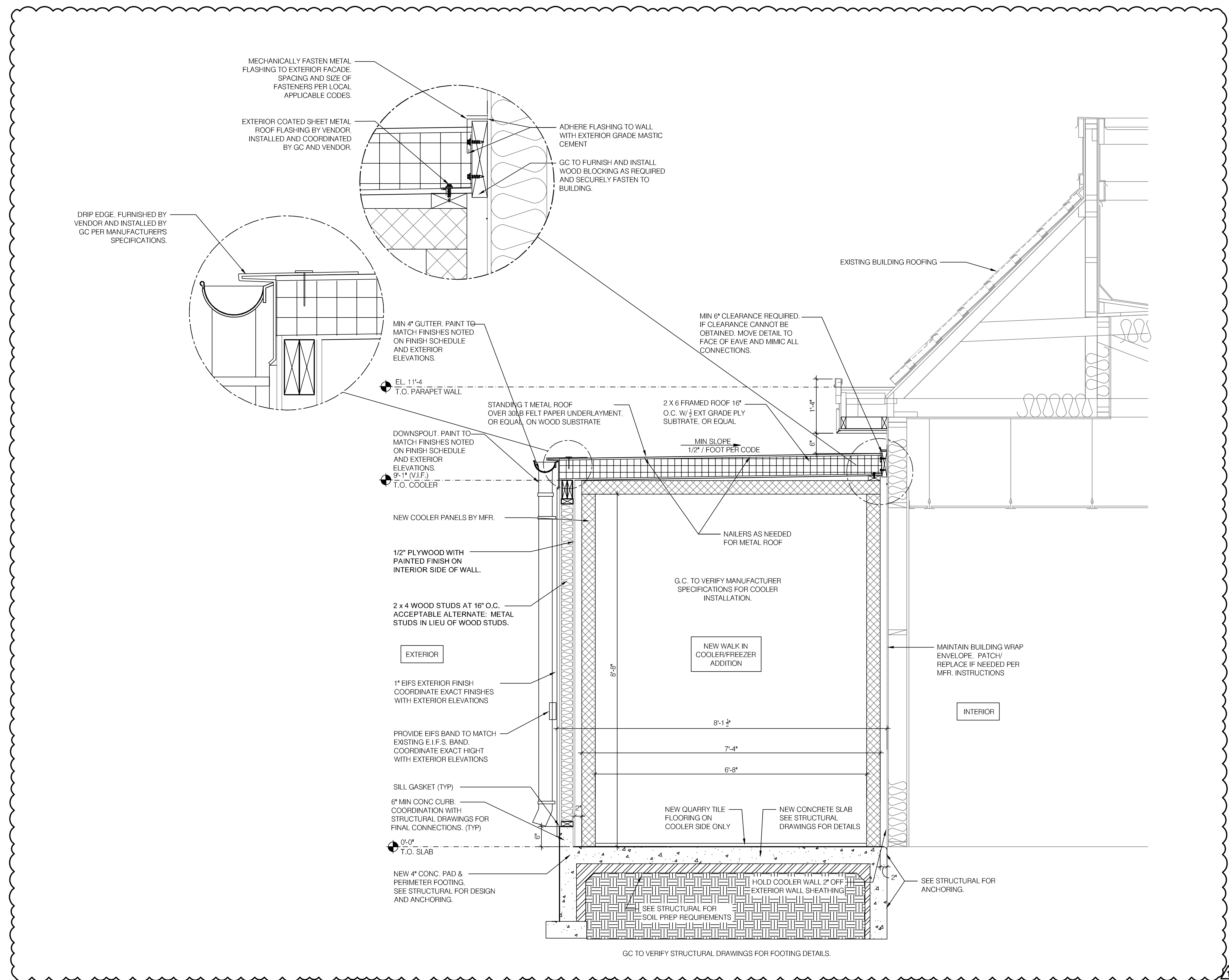
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BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCOR  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

**TACO BELL**  
28993 FORD ROAD  
GARDEN CITY, MI 48135



**A4.1**

RO SET ISSUED: 10.25.22



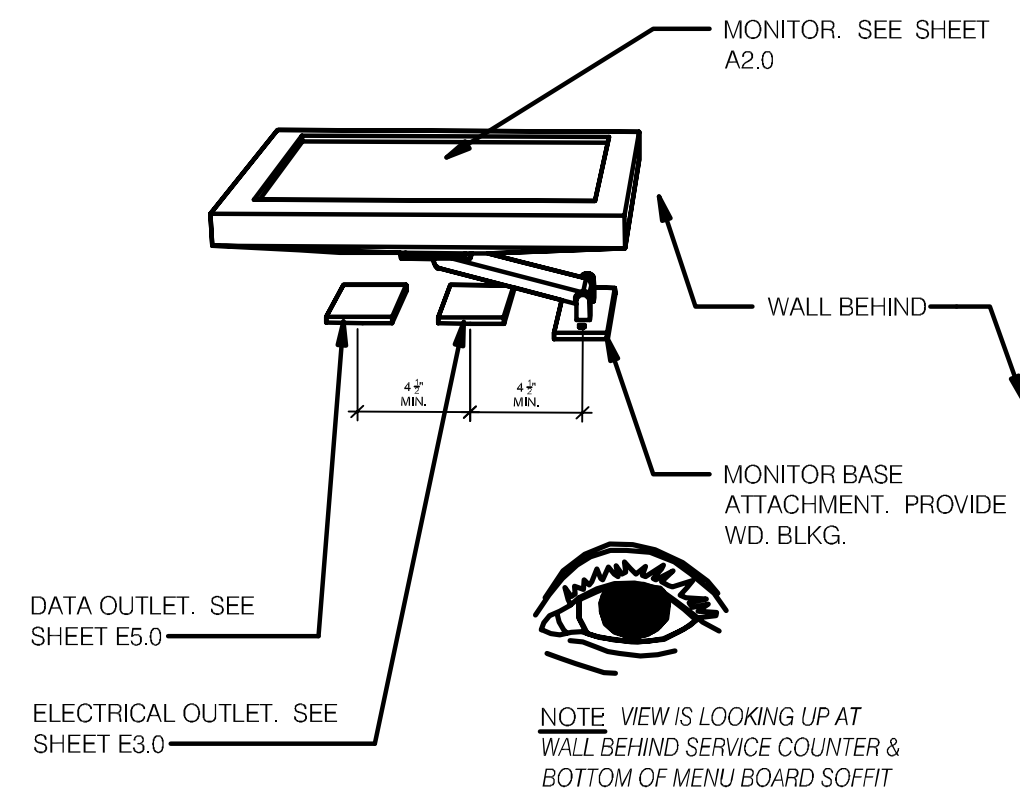
02.08.23	CITY COMMENTS

CONTRACT DATE:	
BUILDING TYPE:	M70HD
PLAN VERSION:	MAJOR
BRAND DESIGNER:	FRANK WANCOR
SITE NUMBER:	17105
ARCVISION NUMBER:	200361

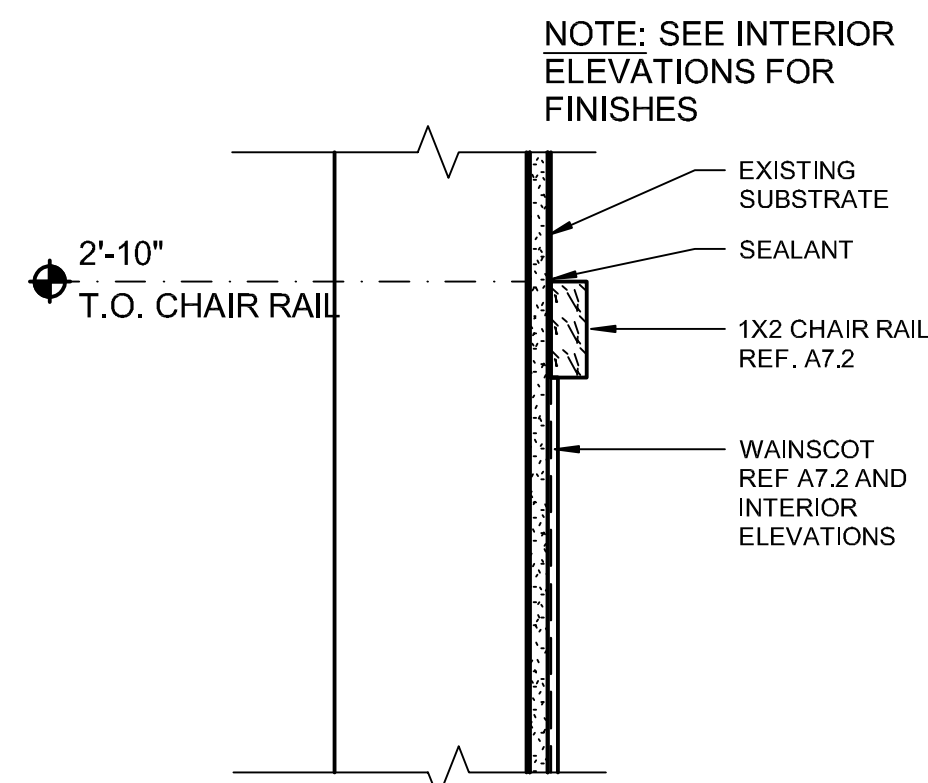
**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

**TACO BELL**  
 MAJOR  
 REMODEL  
 WALL  
 SECTIONS

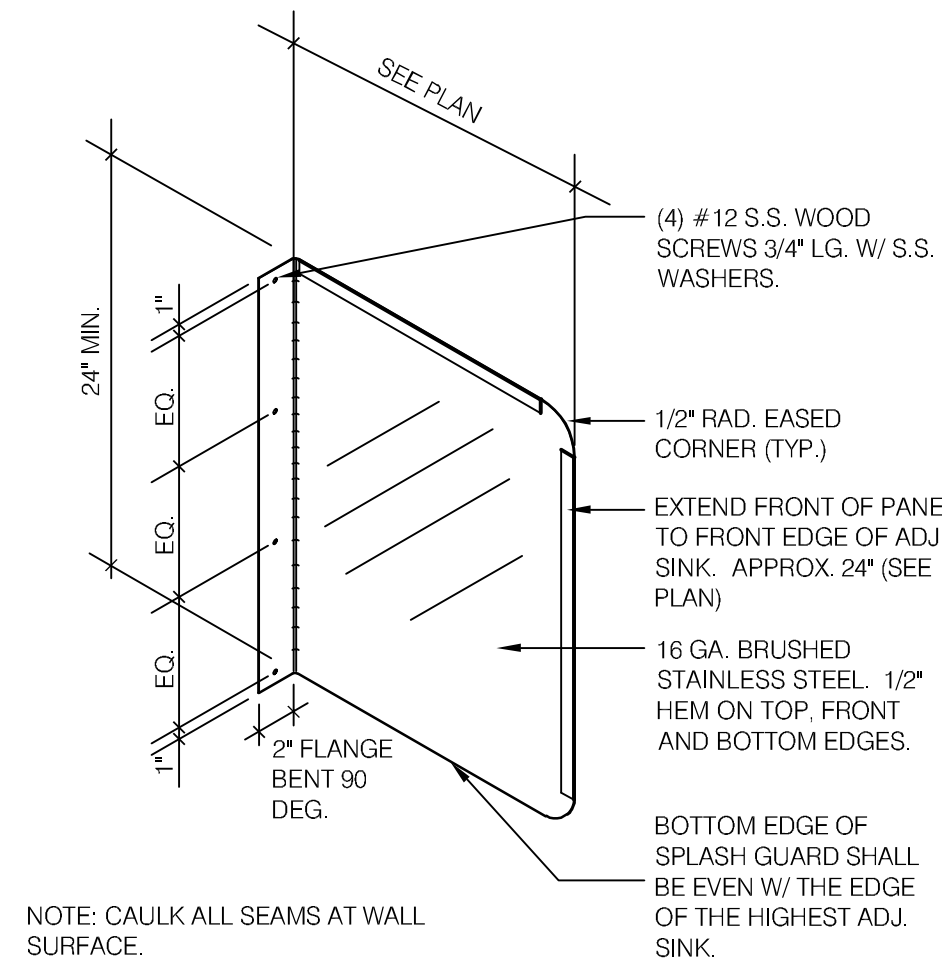
**A5.0**



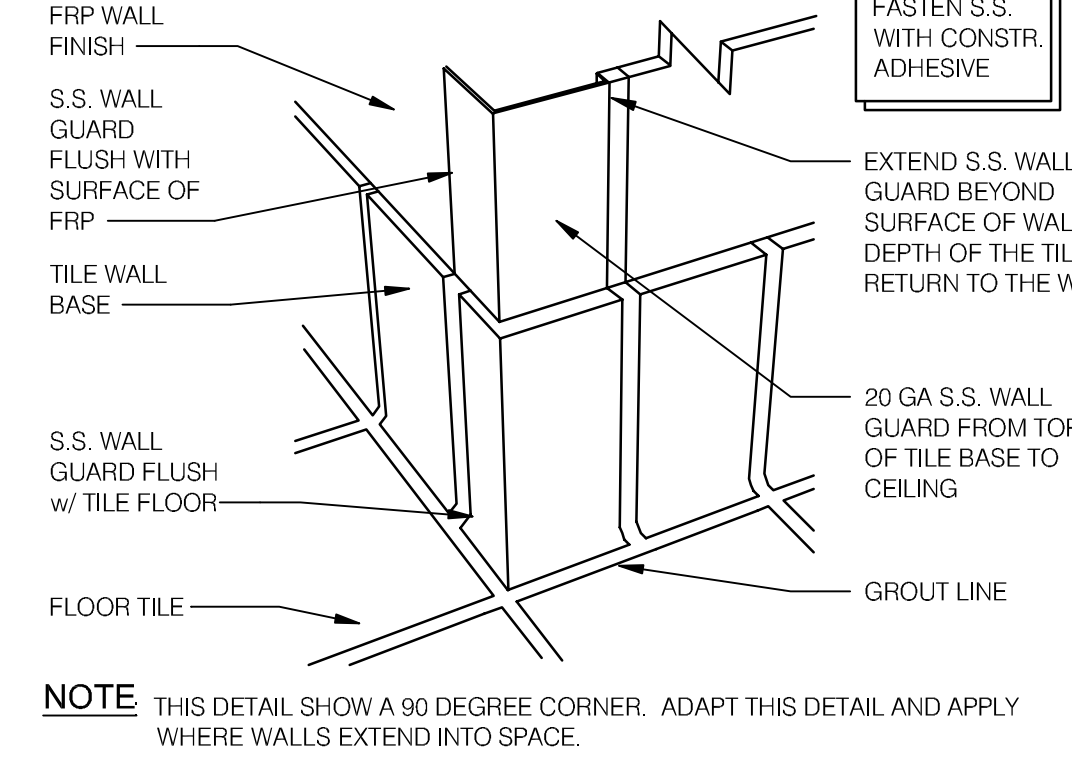
**WALL MOUNT MONITOR** 1 1/2" = 1'-0" **17**



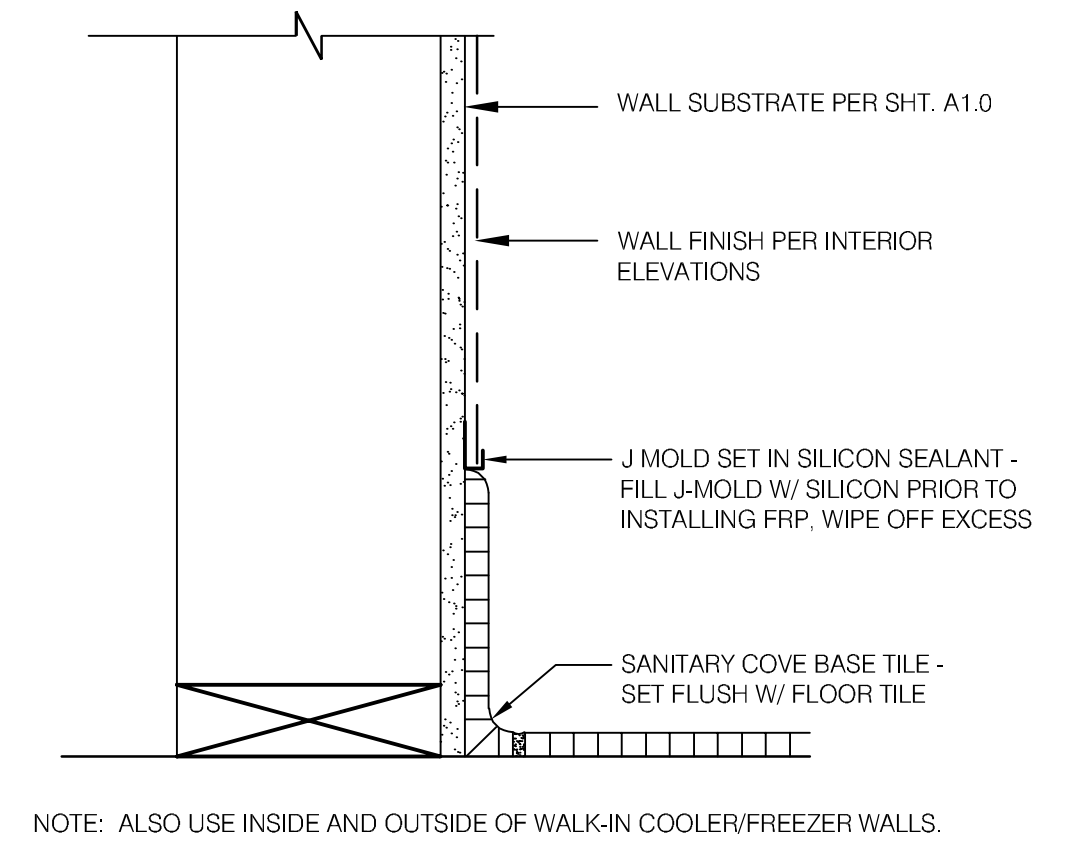
**CHAIR RAIL DETAIL** N.T.S. **13**



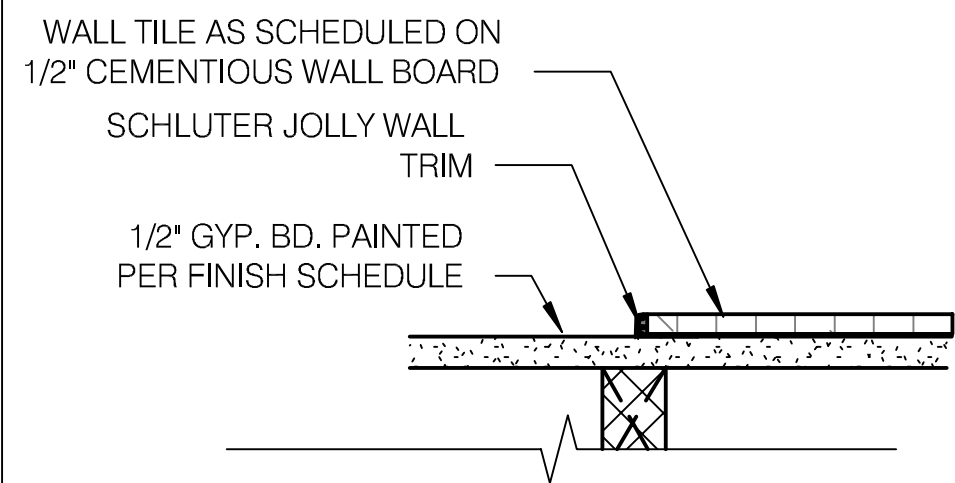
**SPLASH GUARD** 1" = 1'-0" **9**



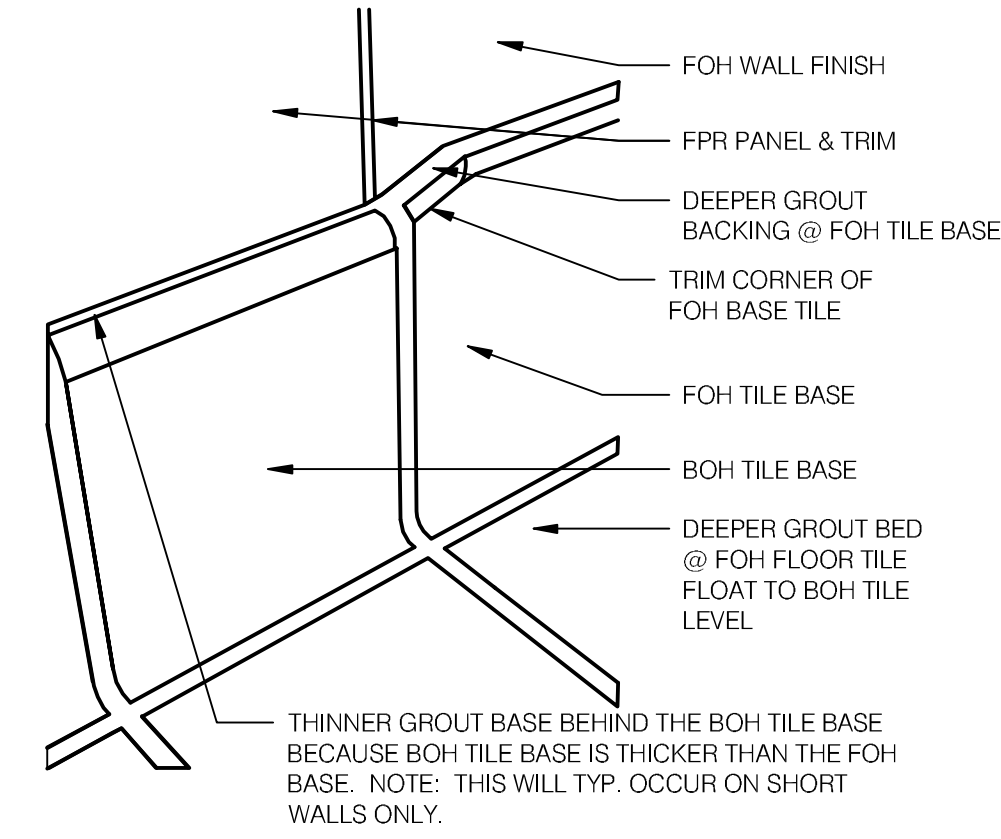
**S.S. CORNER & END WALL GUARD** N.T.S. **5**



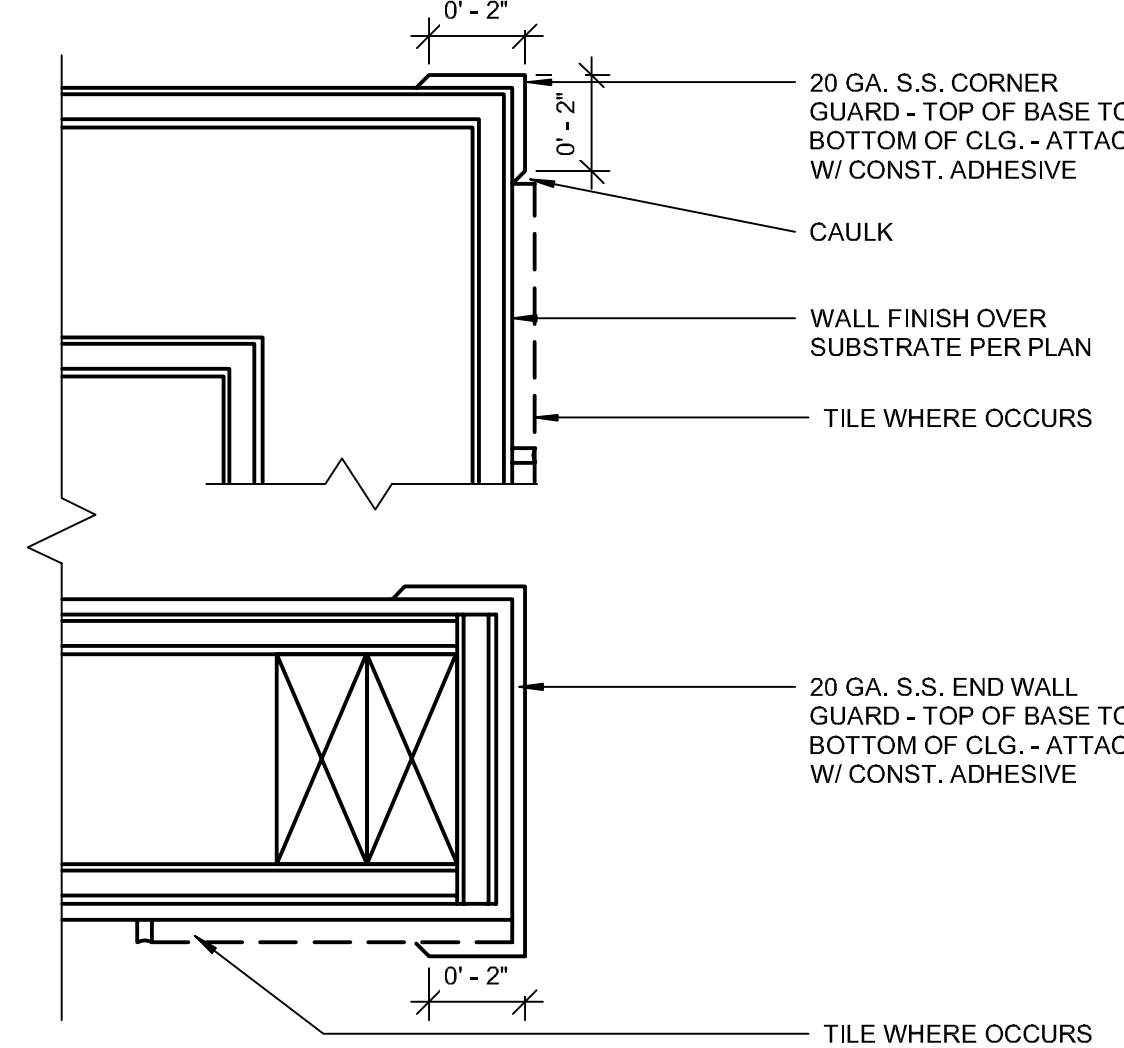
**KITCHEN FINISH @ BASE** 3/4" = 1'-0" **1**



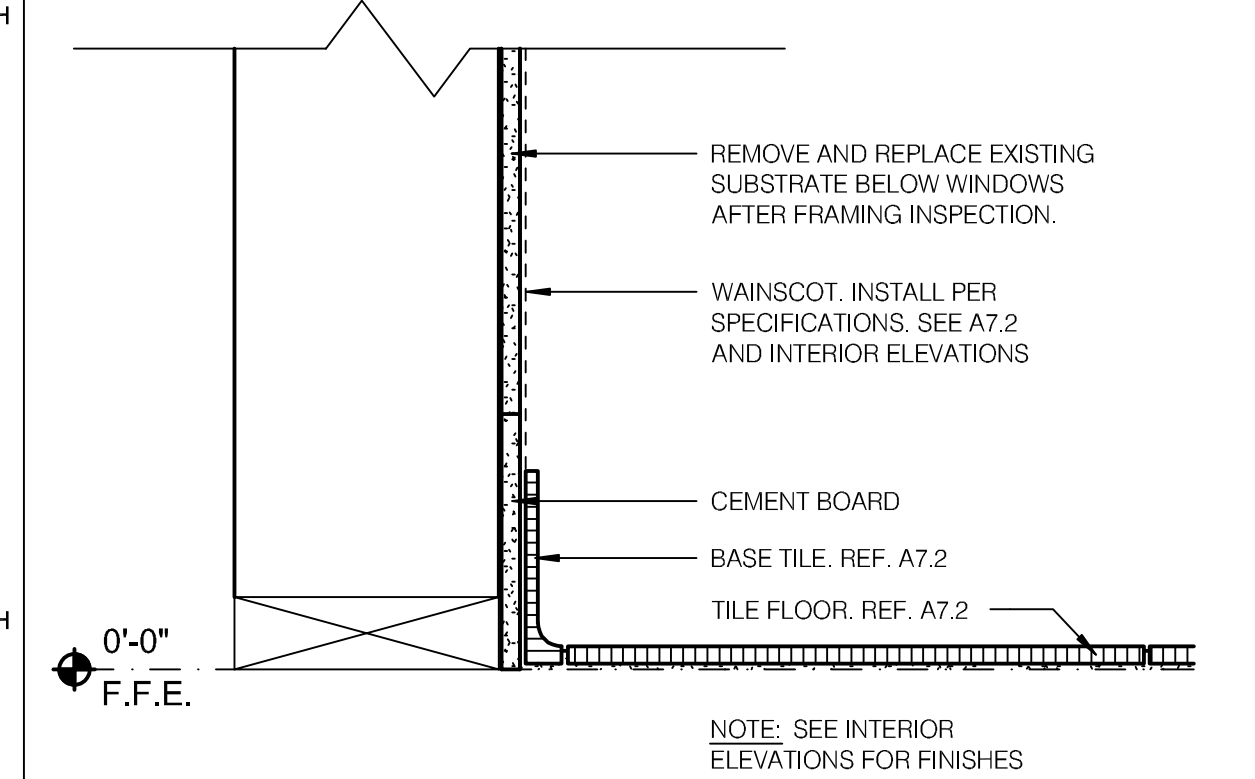
**TILE TO GYP. TRANSITION** N.T.S. **14**



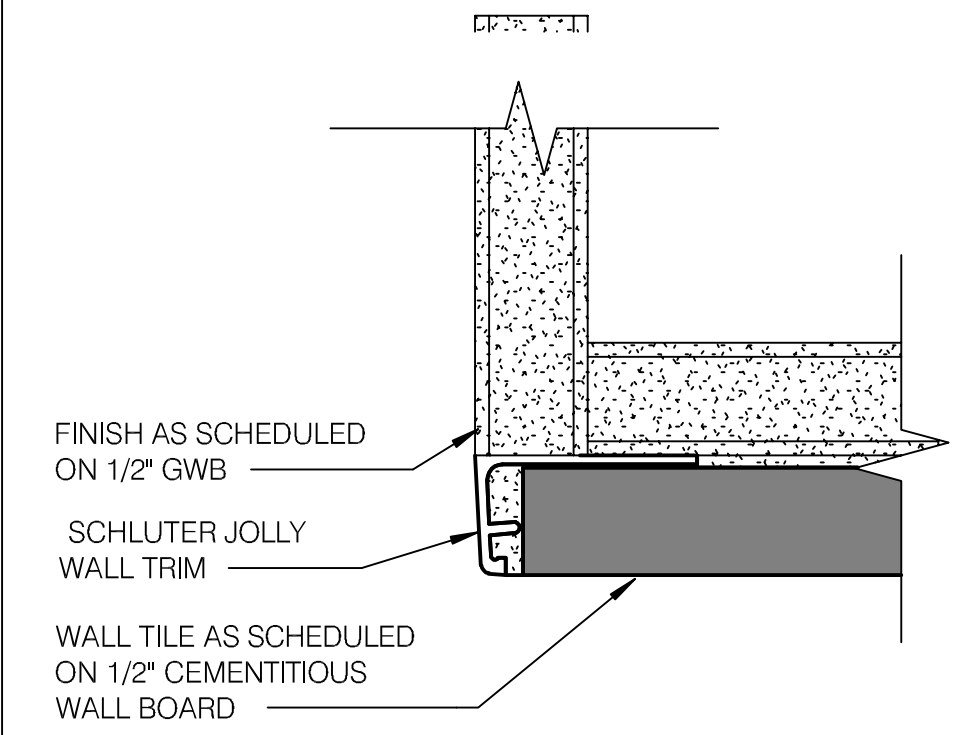
**TILE BASE TRANSITION** 1/2" = 1'-0" **10**



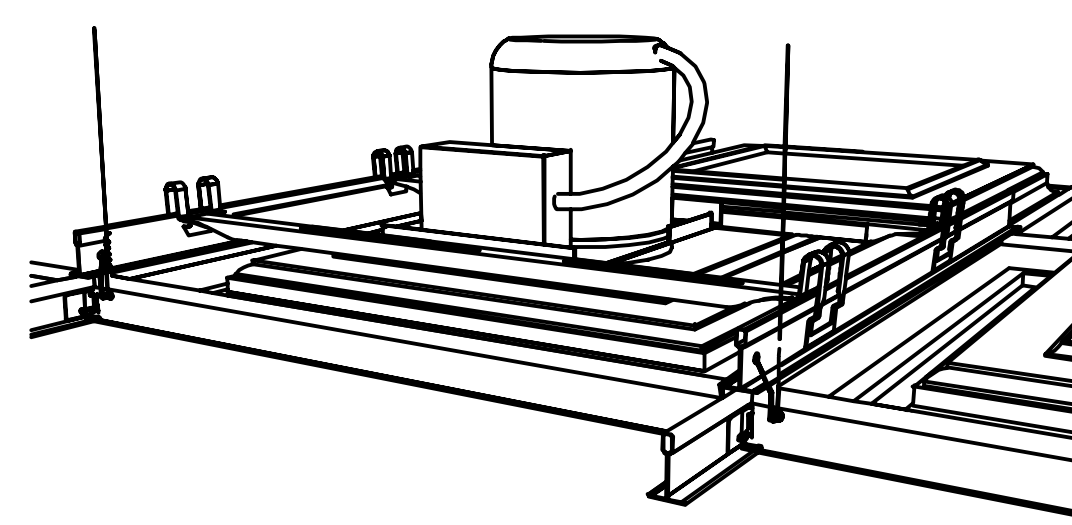
**BOH S.S. CORNER GUARDS** N.T.S. **6**



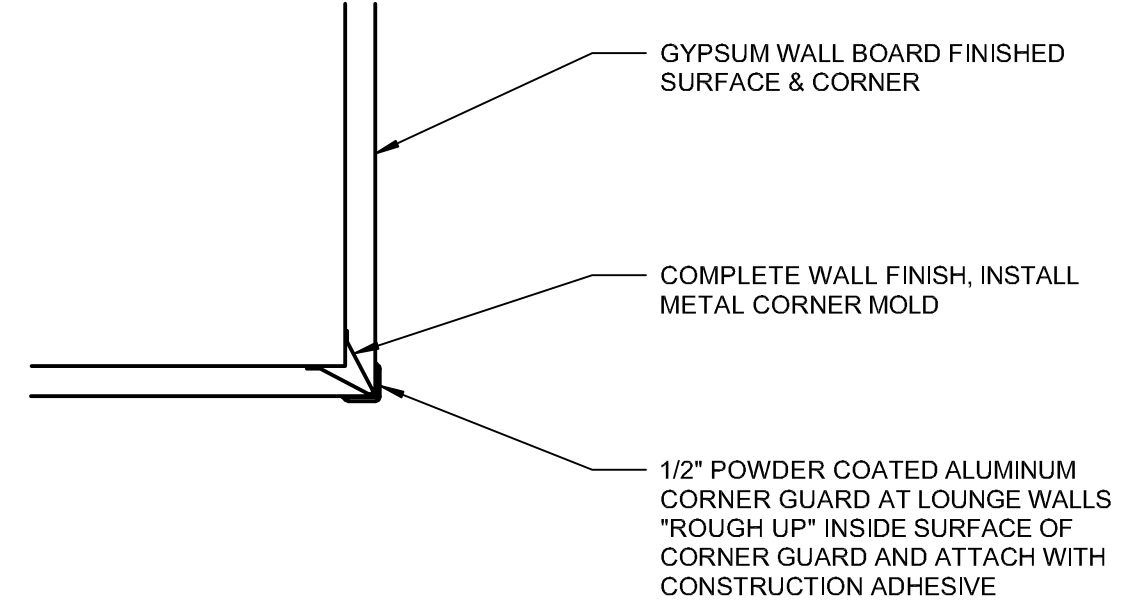
**WAINSCOT BASE DETAIL** 1" = 1'-0" **2**



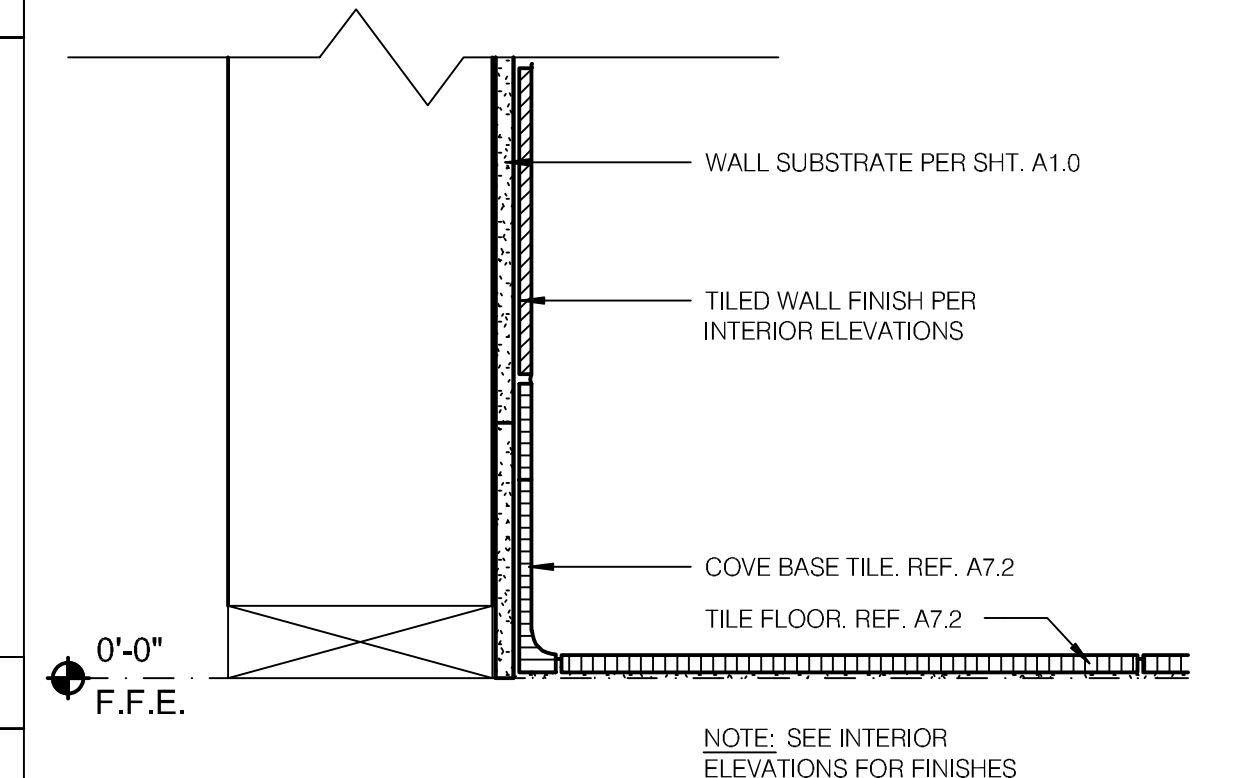
**DETAIL AT EDGE OF TILE WALL** N.T.S. **15**



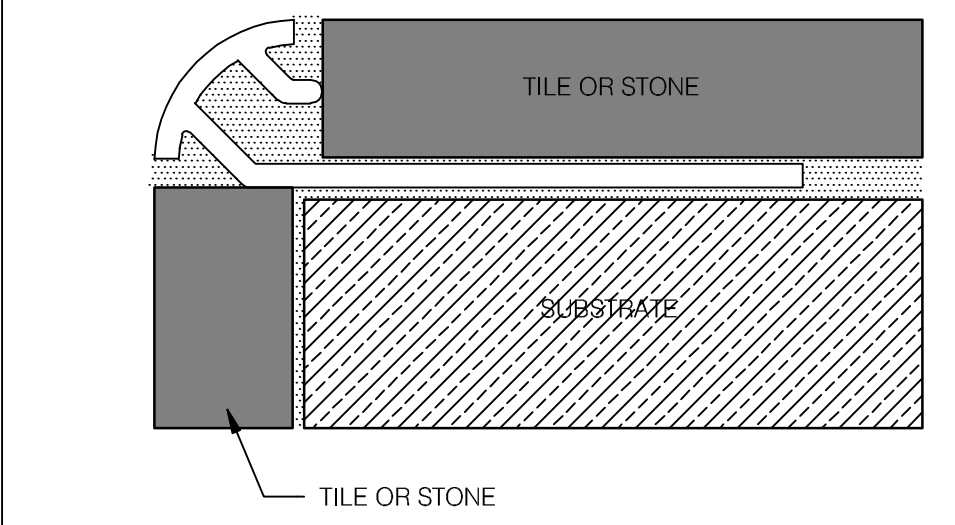
**CEILING DETAIL @ RECESSED FIXTURE** N.T.S. **11**



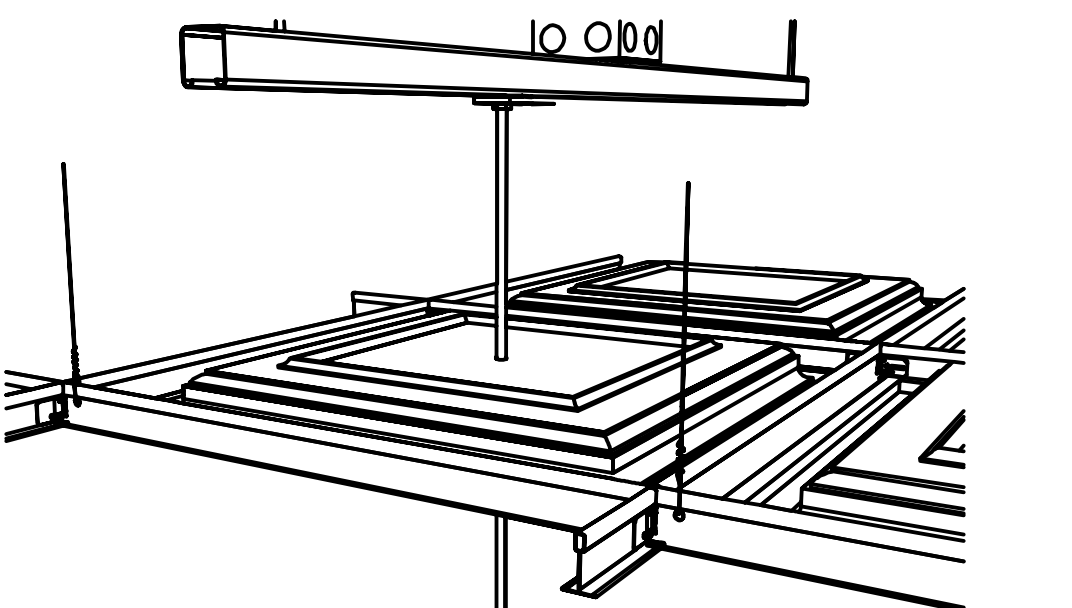
**WALL DECOR CORNER GUARD** N.T.S. **7**



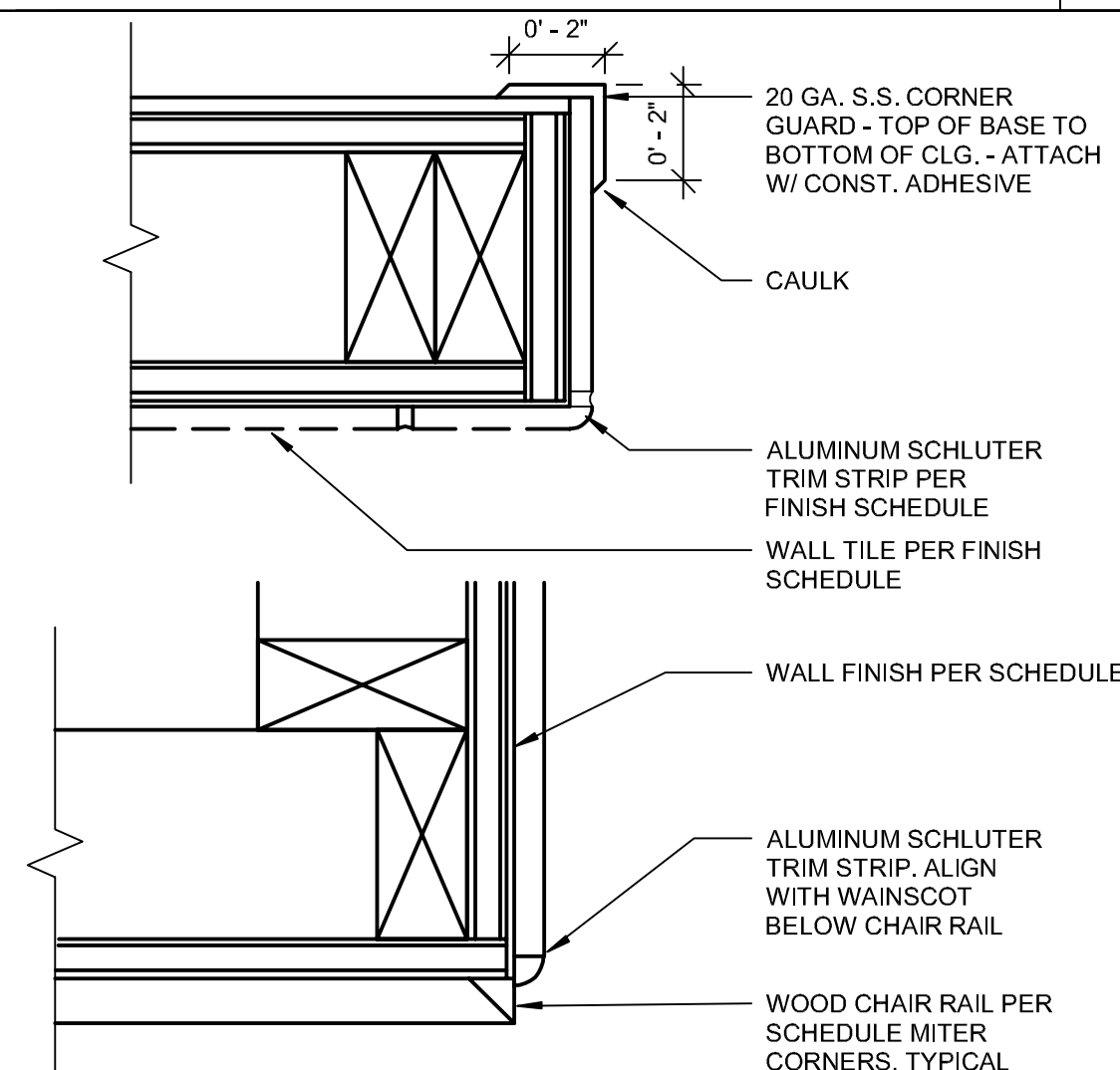
**RESTROOM BASE @ WALL TILE** 1" = 1'-0" **3**



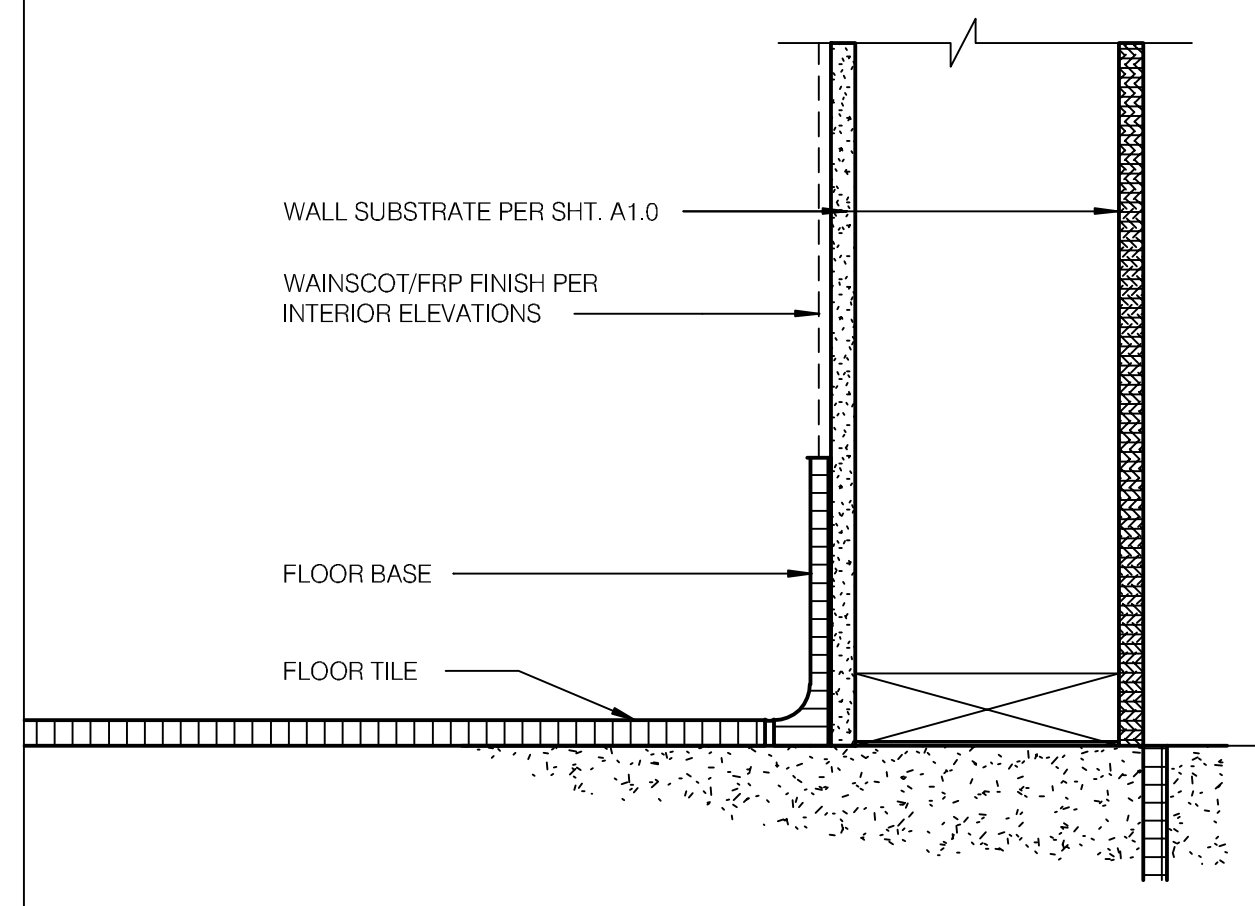
**SCHLUTER CORNER GUARD** N.T.S. **16**



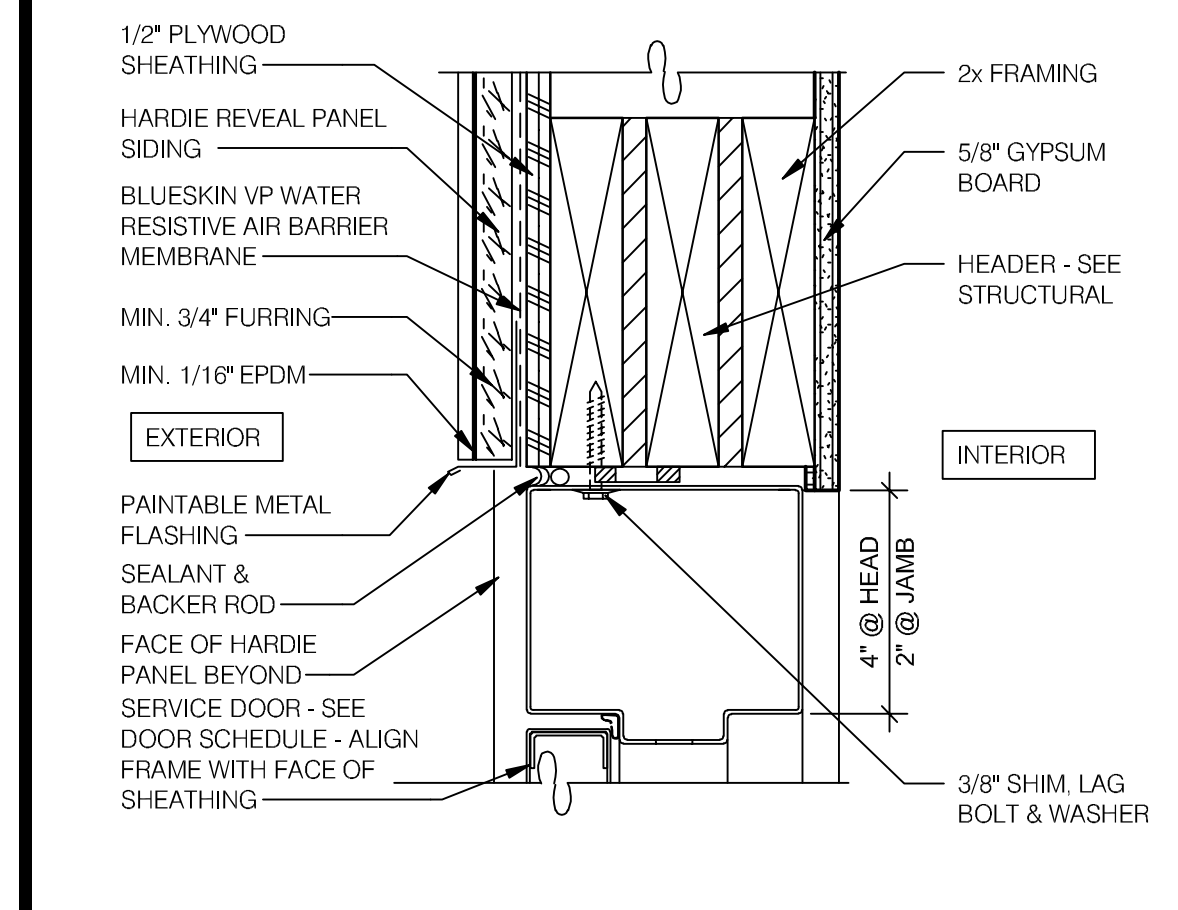
**CEILUME DETAIL @ PENDANT FIXTURE** N.T.S. **12**



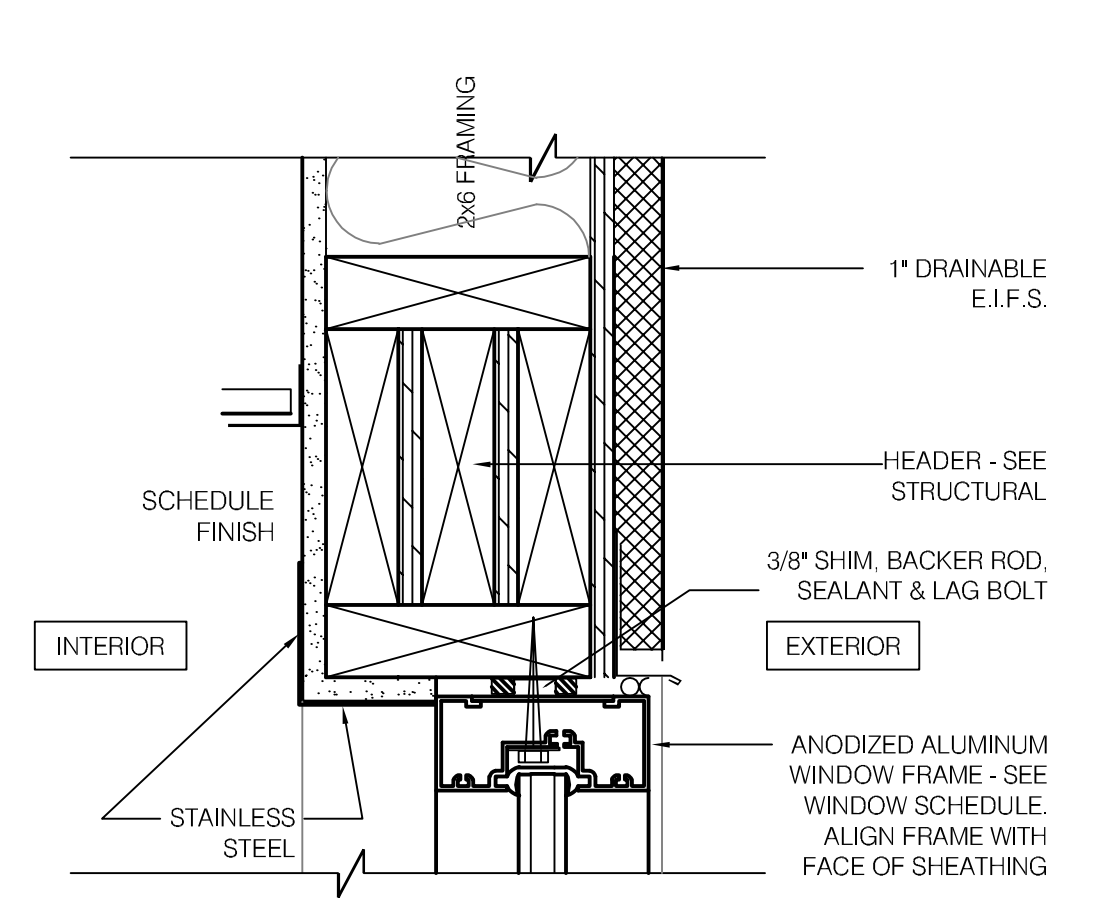
**FINISH TRANSITIONS** N.T.S. **8**



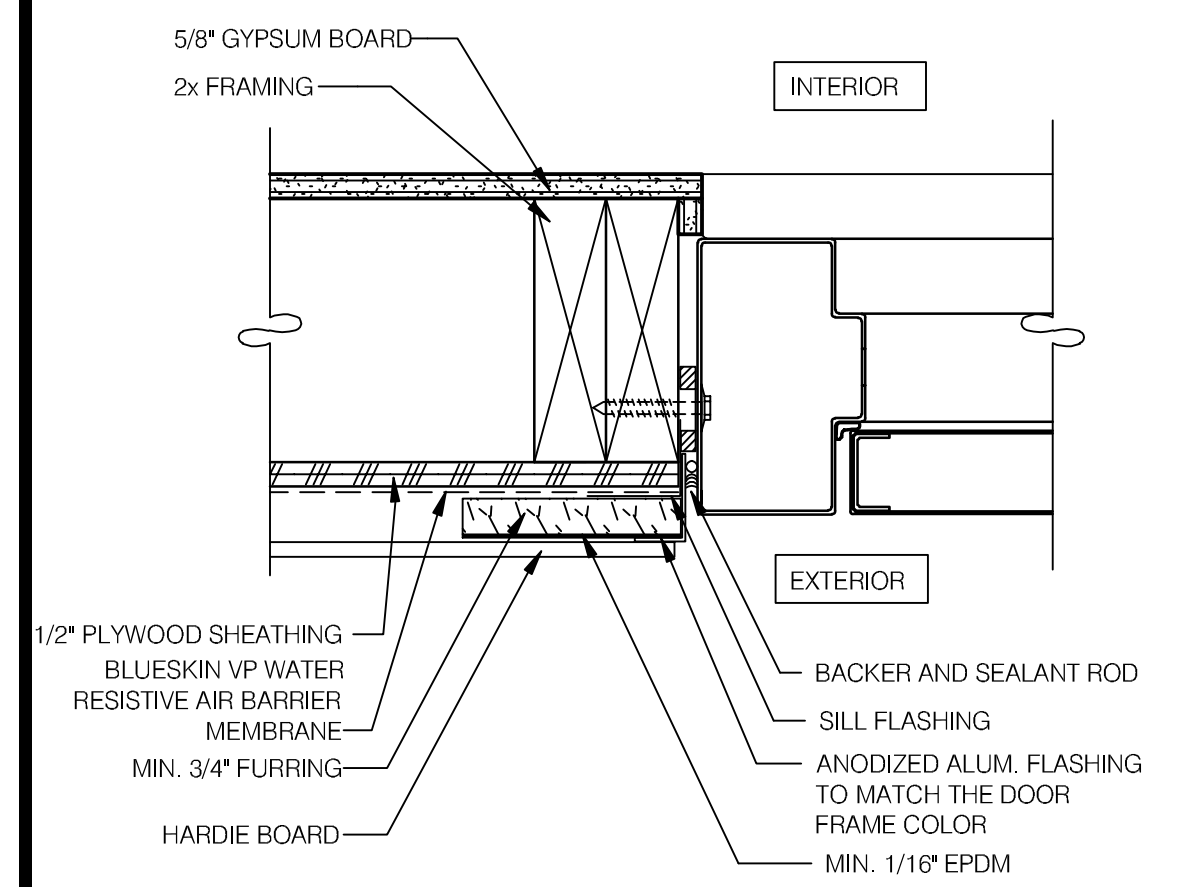
**BASE @ EXTERIOR WALLS** N.T.S. **4**



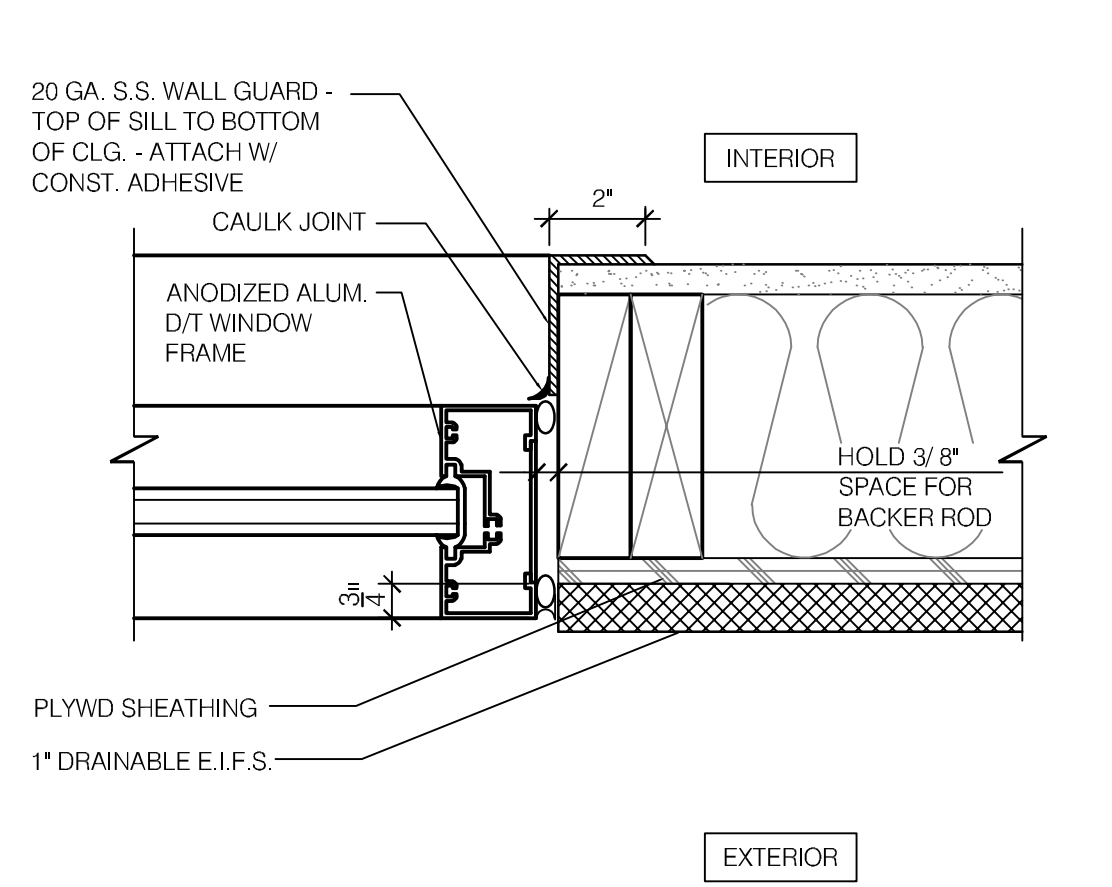
**HEAD JAMB @ SERVICE DOOR** 3' = 1'-0" **11**



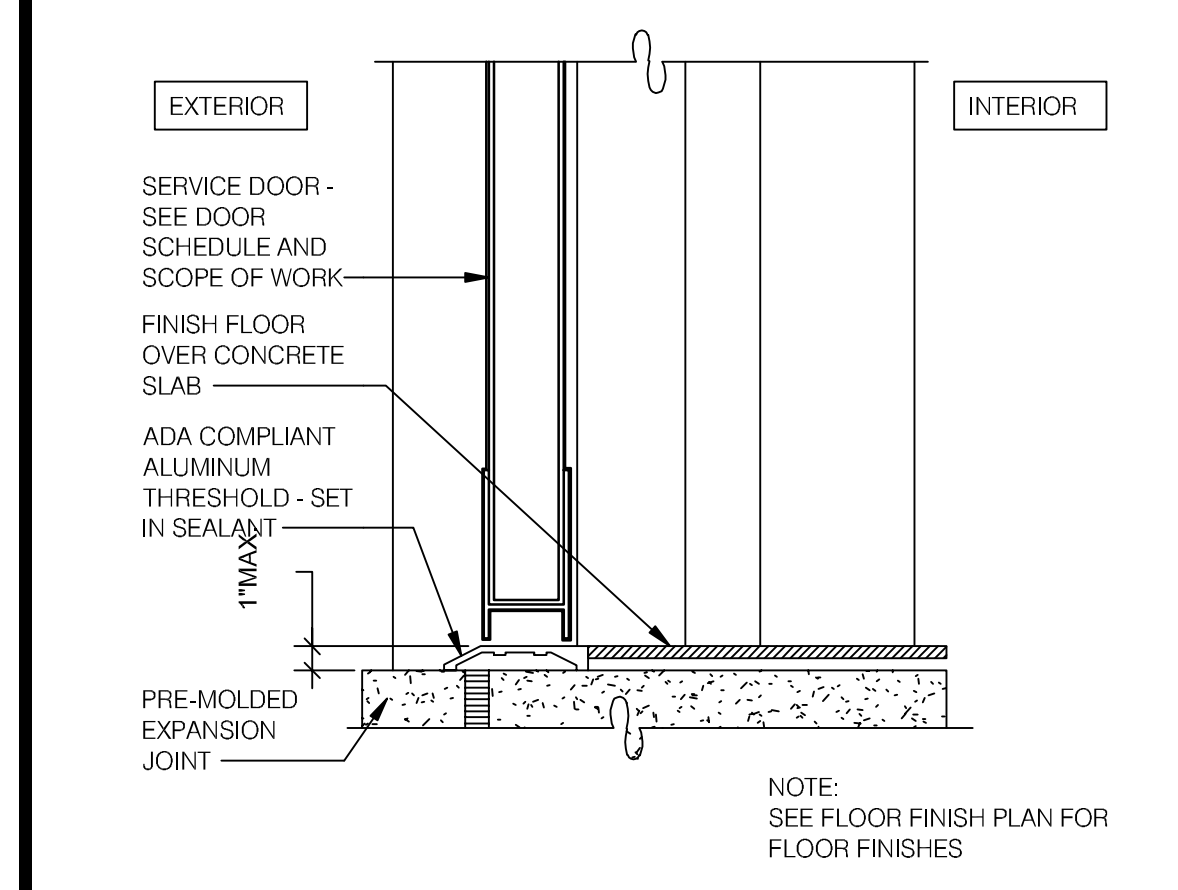
**WINDOW HEAD @ DRIVE THRU** 3' = 1'-0" **8**



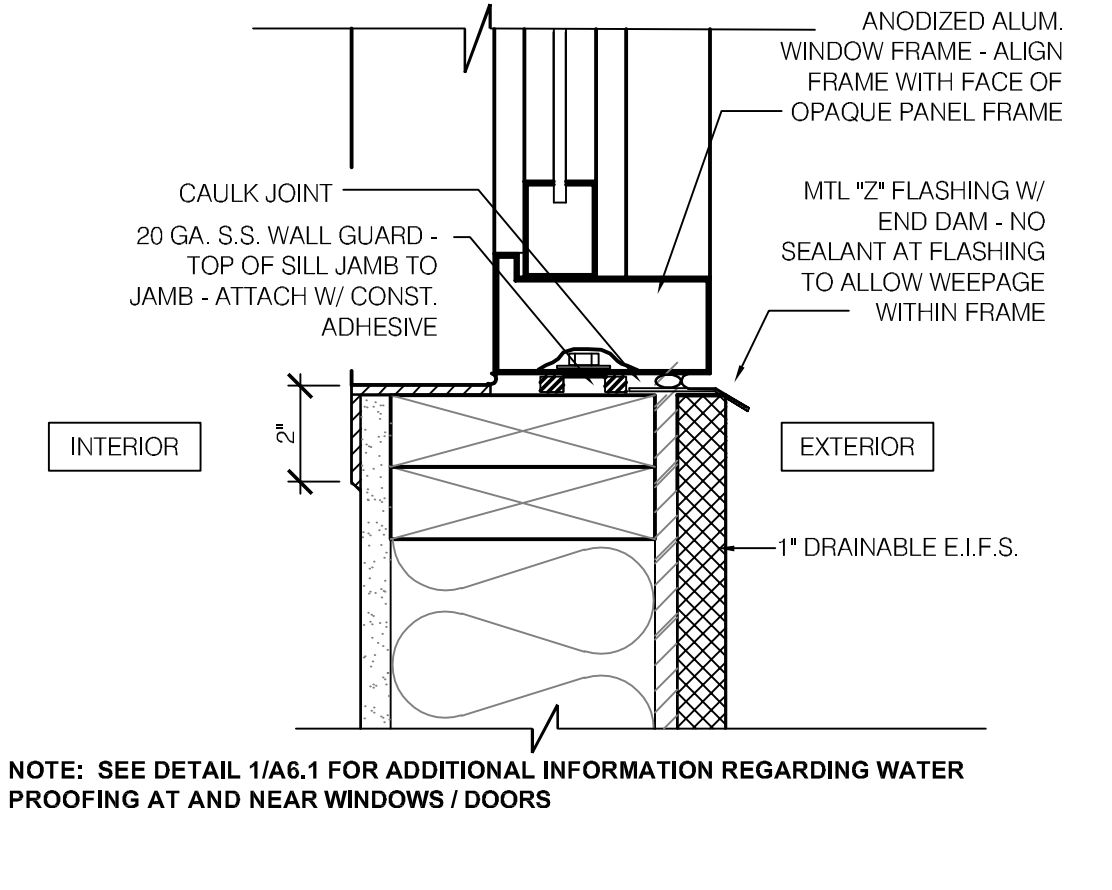
**JAMB @ SERVICE DOOR** 3' = 1'-0" **12**



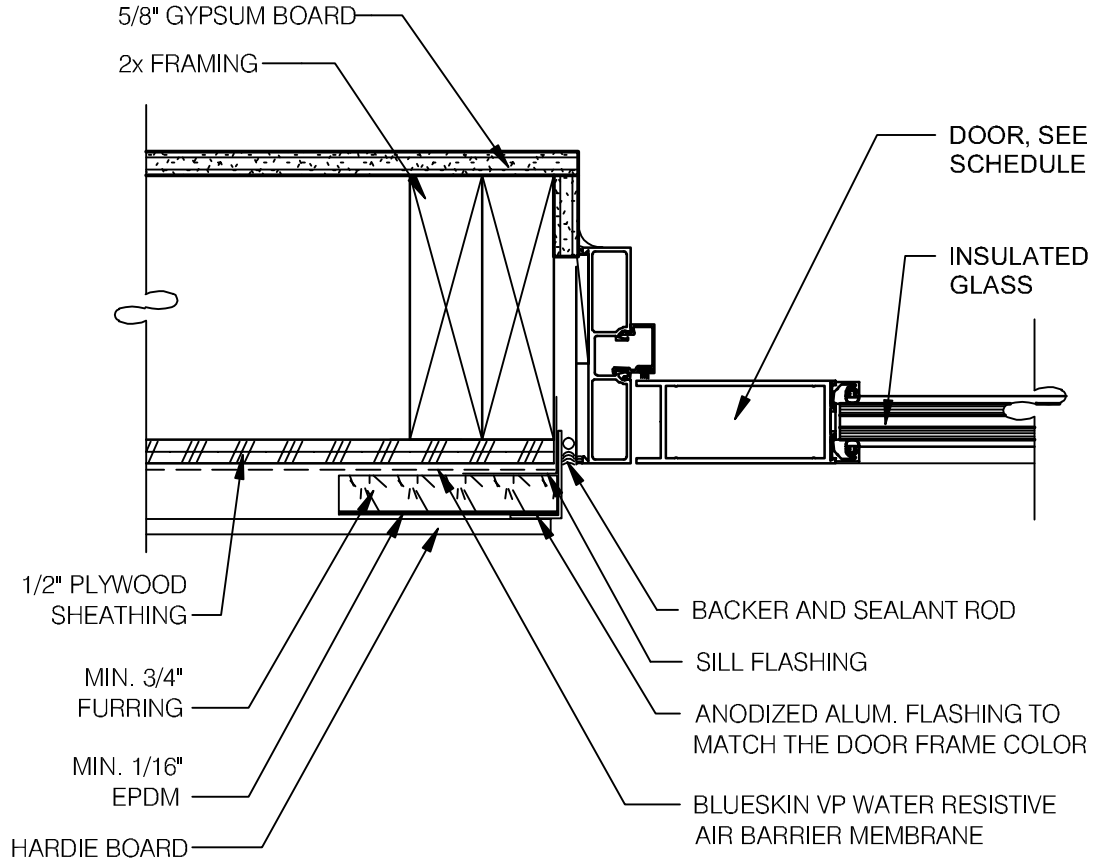
**WINDOW JAMB @ DRIVE THRU** 3' = 1'-0" **9**



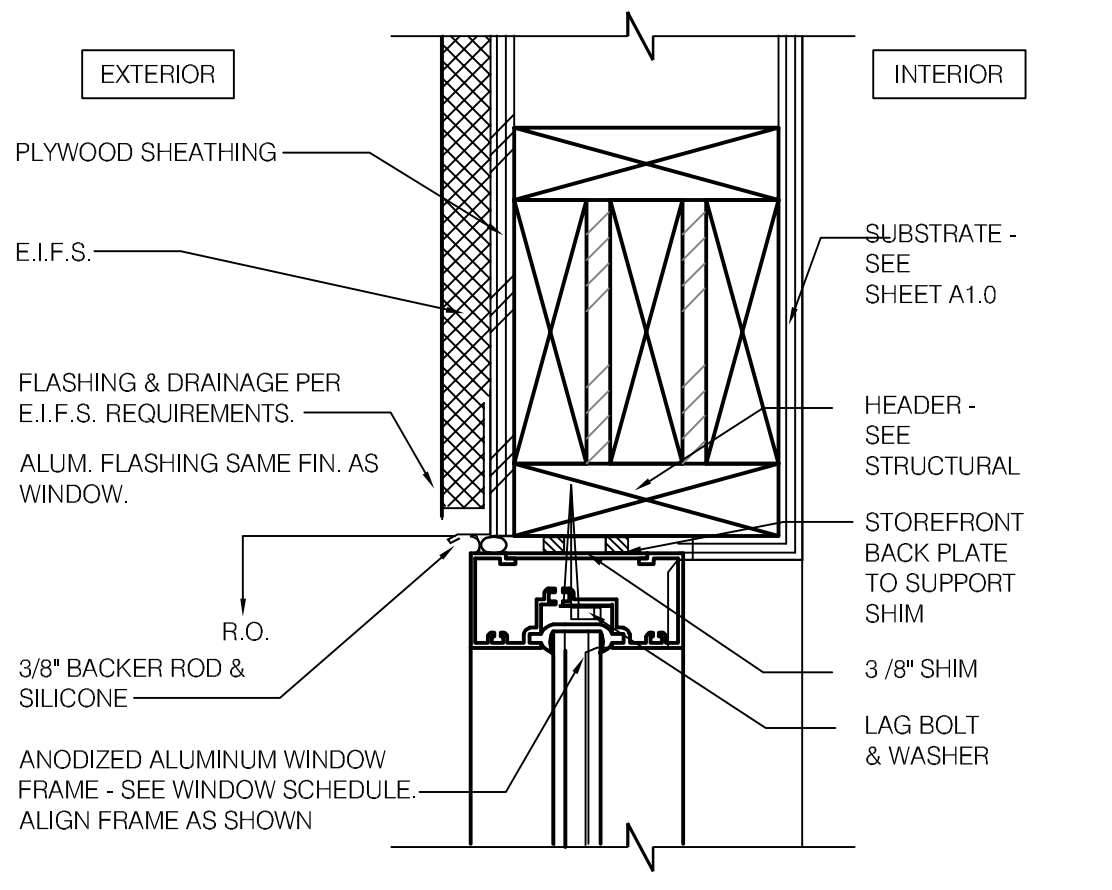
**THRESHOLD @ SERVICE DOOR** 3' = 1'-0" **13**



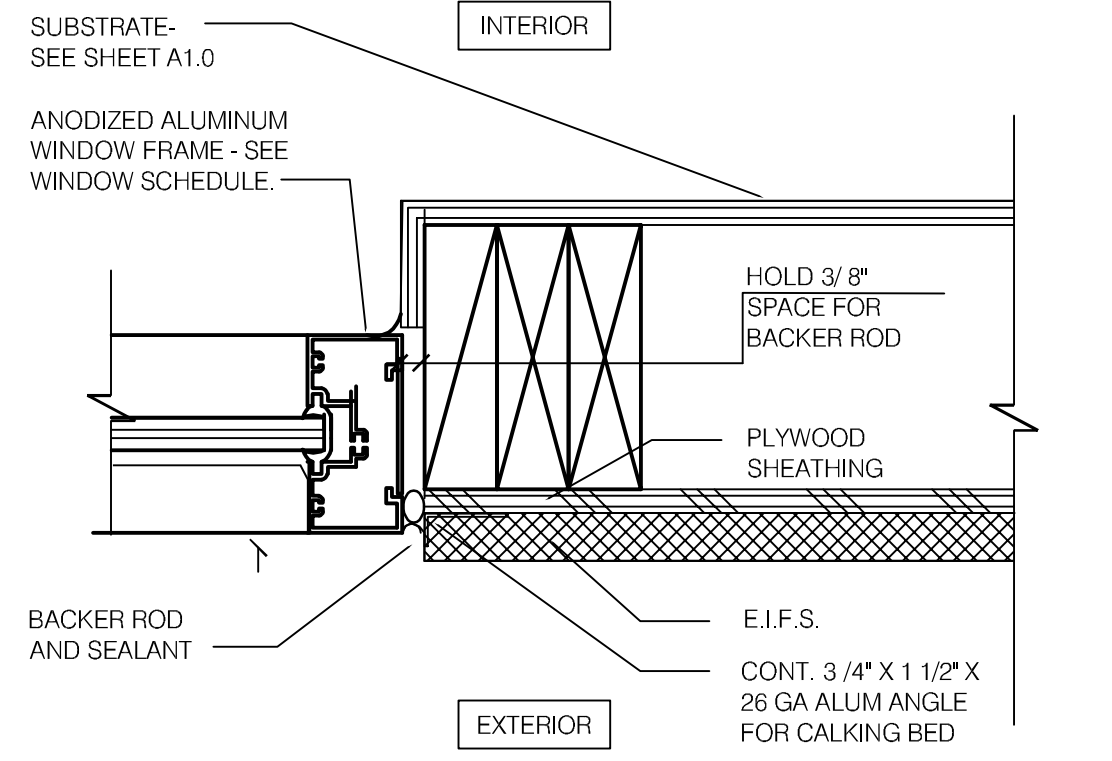
**WINDOW SILL @ DRIVE THRU** 3' = 1'-0" **10**



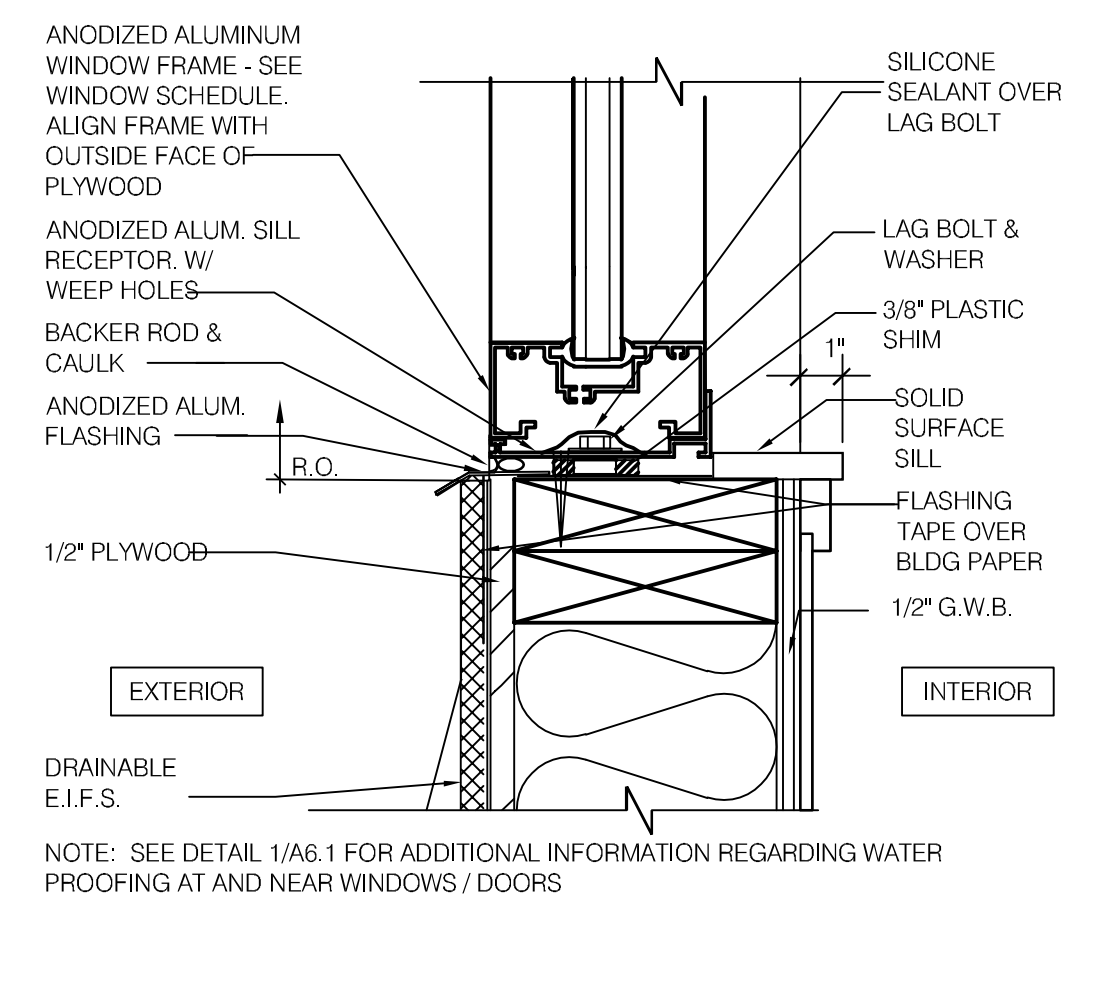
**STOREFRONT DOOR JAMB** 3' = 1'-0" **4**



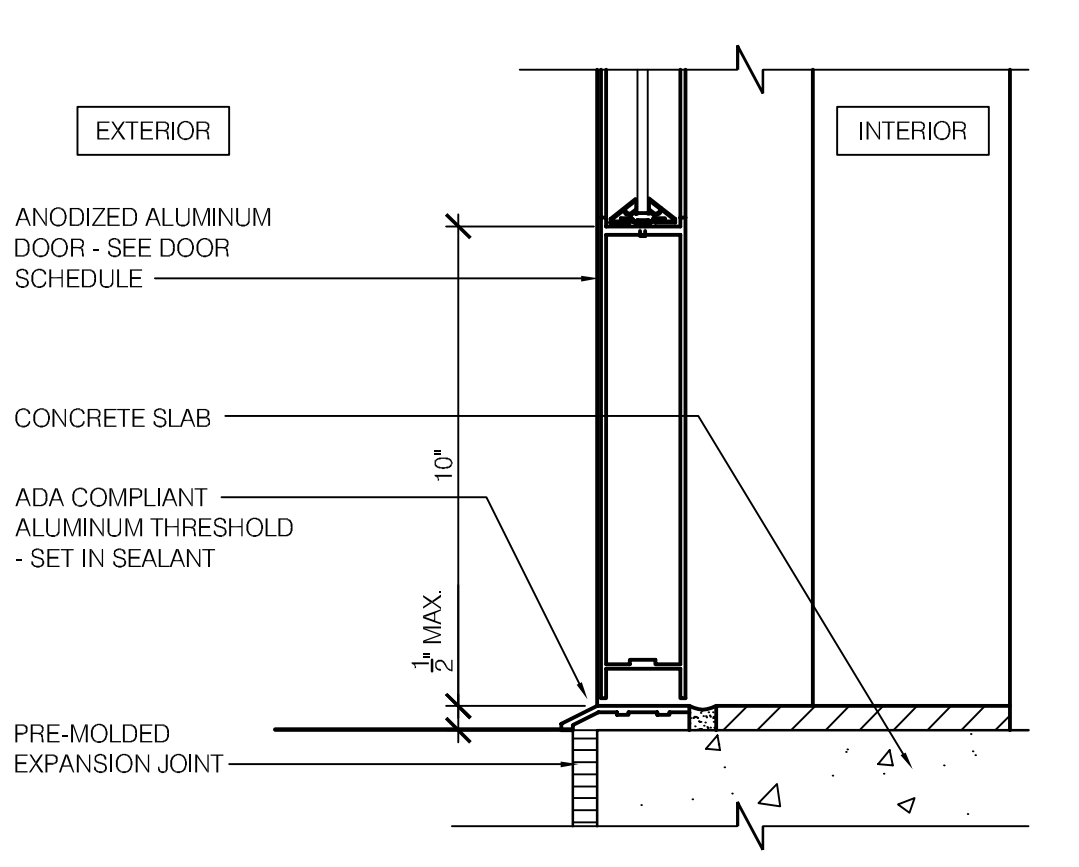
**TYPICAL WINDOW HEAD** 3' = 1'-0" **5**



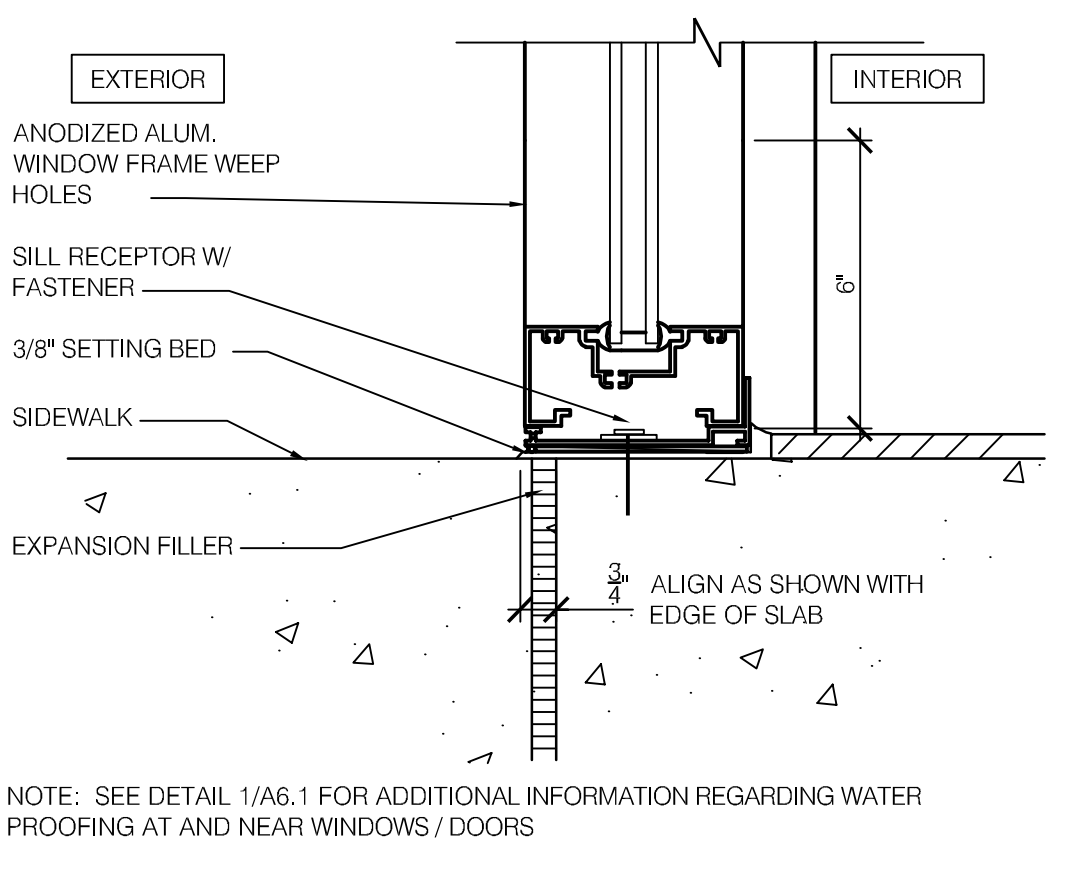
**TYPICAL WINDOW JAMB** 3' = 1'-0" **6**



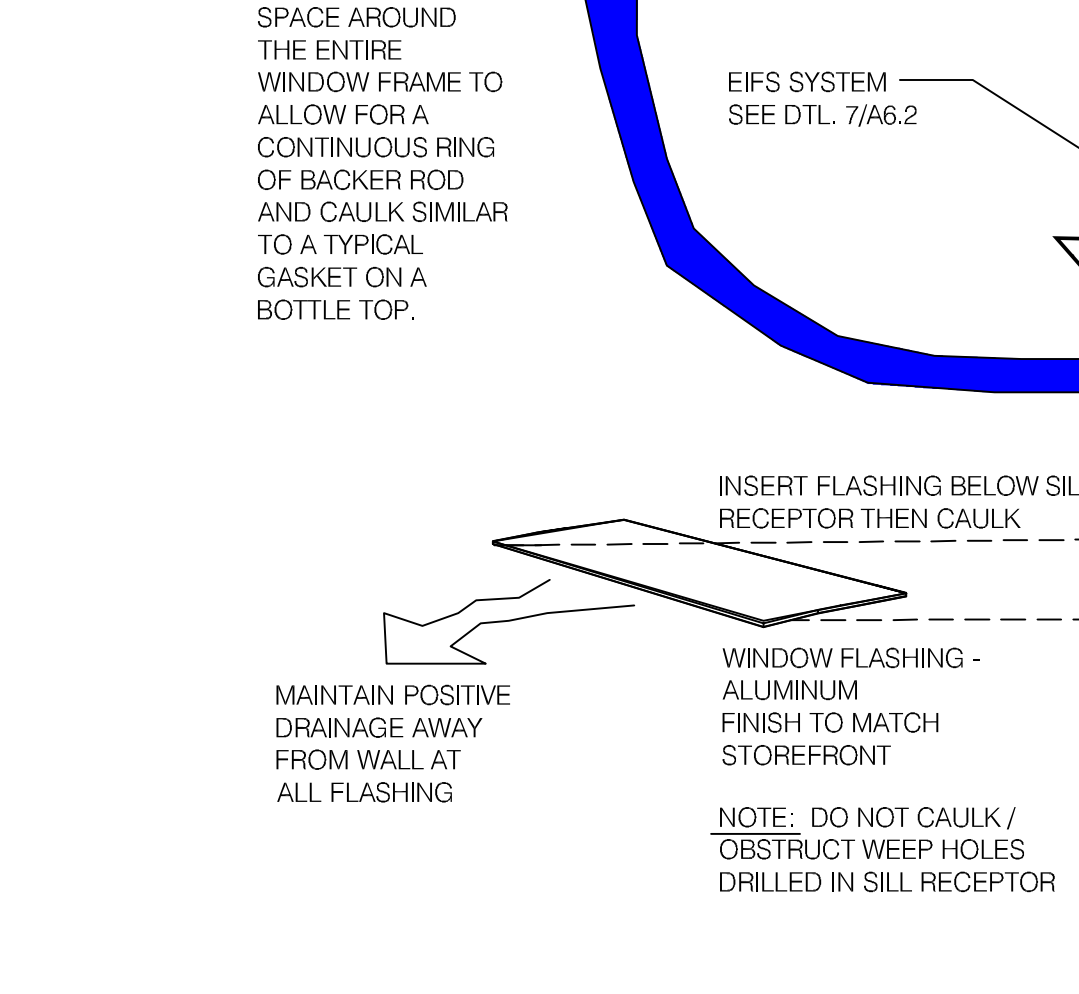
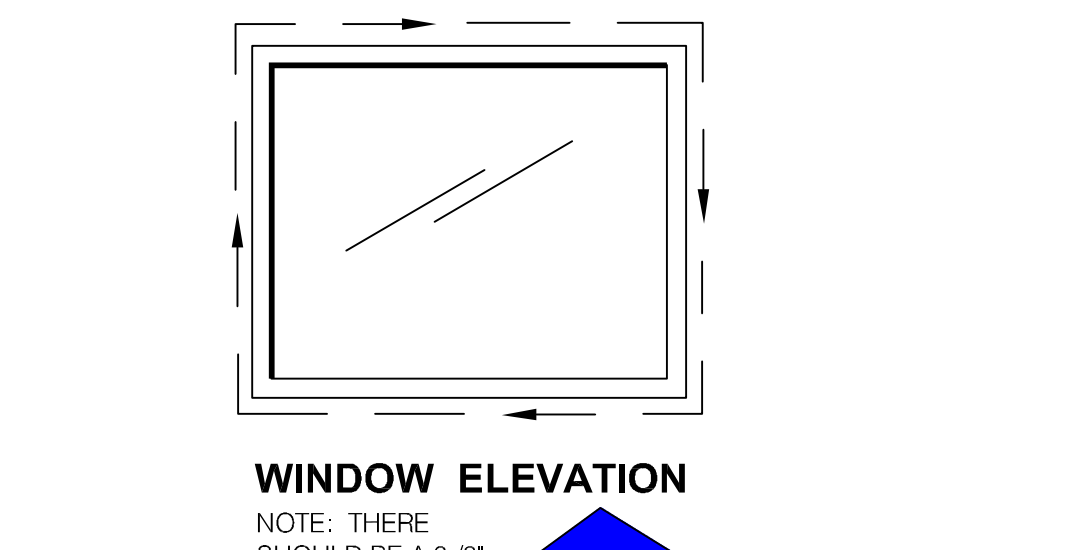
**TYPICAL WINDOW SILL** 3' = 1'-0" **7**



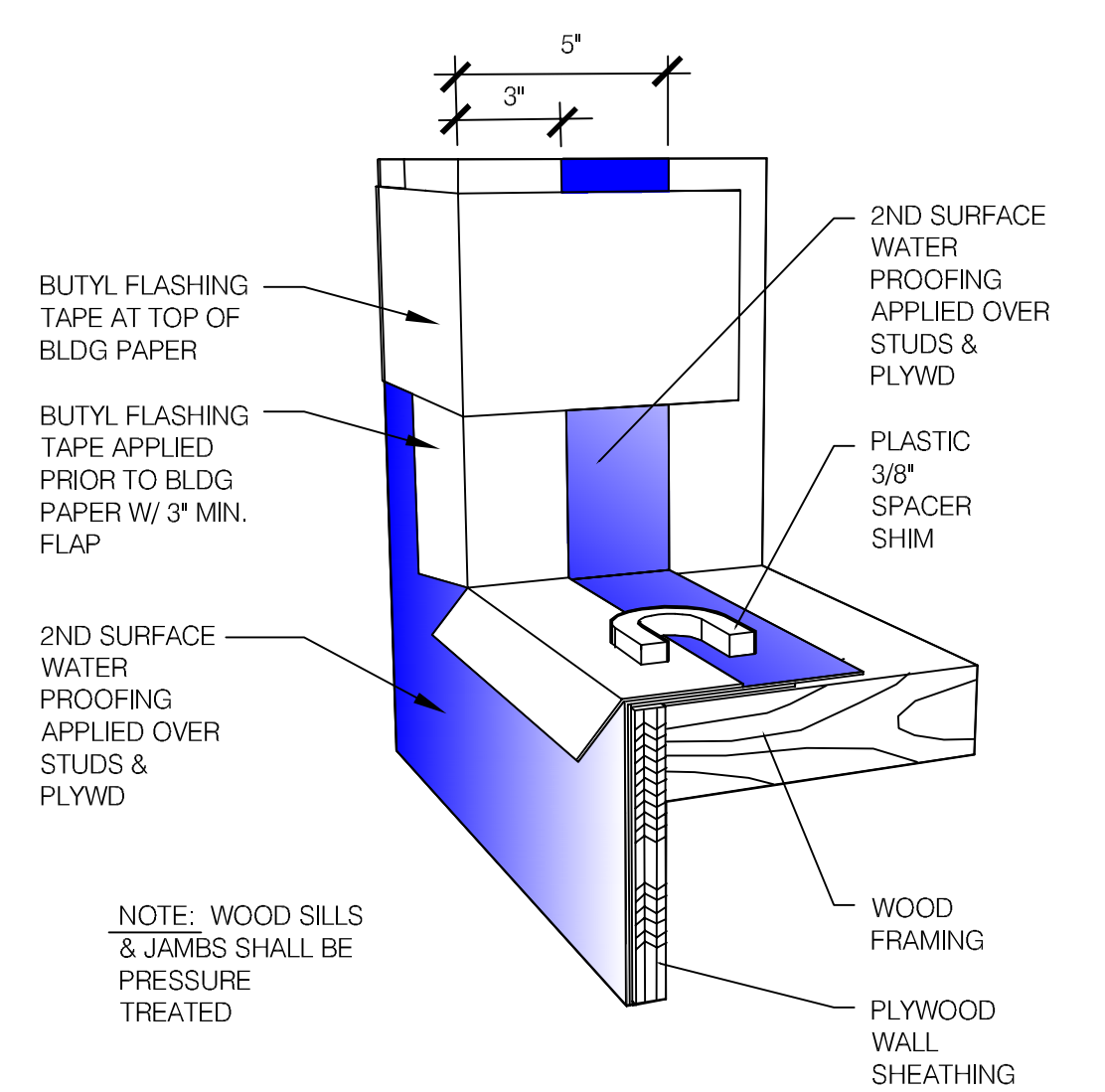
**STOREFRONT DOOR SILL** 3' = 1'-0" **2**



**STOREFRONT WINDOW SILL** 3' = 1'-0" **3**

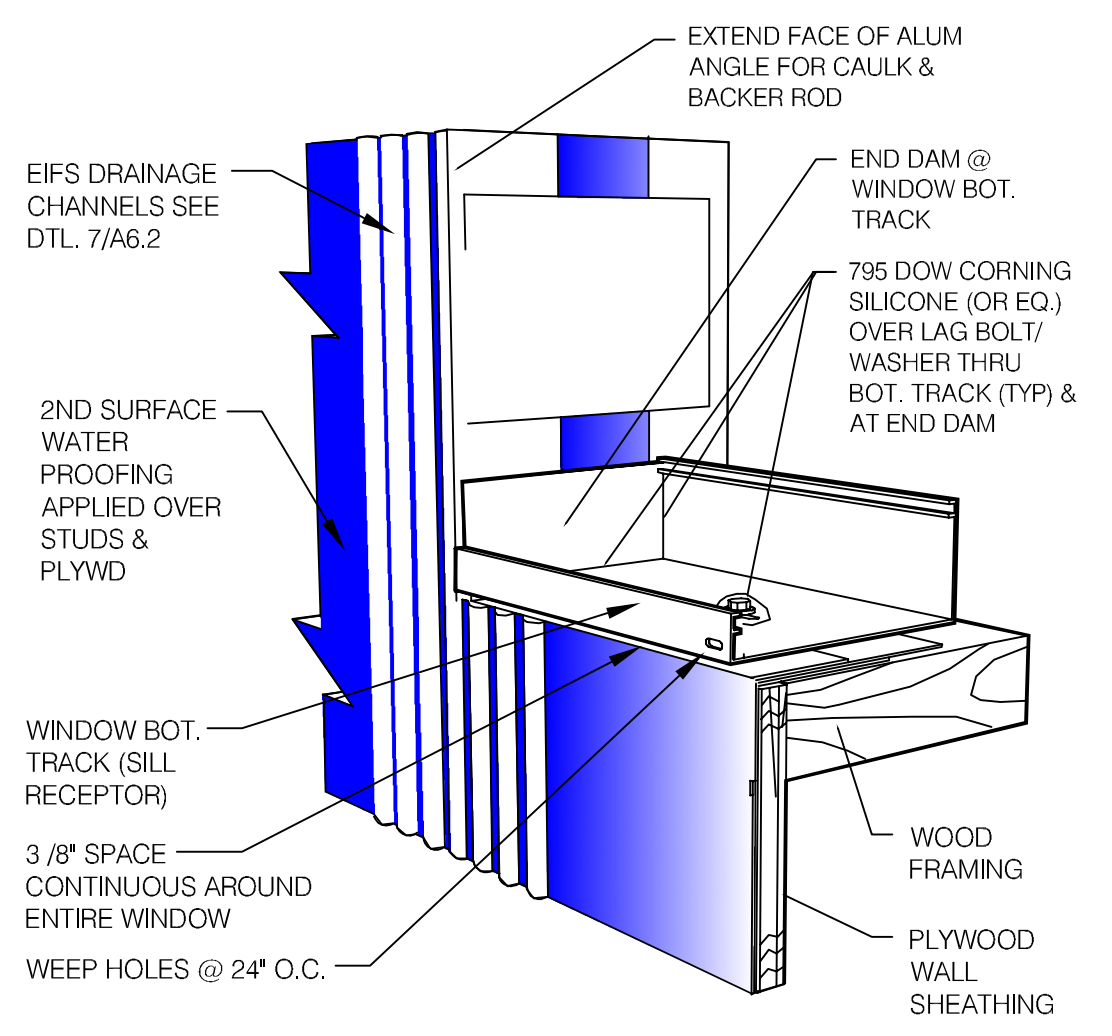


**TYPICAL WINDOW WALL WATER PROOFING** 3' = 1'-0" **1**



**WATER PROOFING ROUGH OPENING**

AFTER FRAMING 2ND SURFACE WATER PROOFING PER EIFS MANUFACTURER. ADD FLASHING TAPE AROUND THE ROUGH OPENING FOR THE WINDOW AND DOOR OPENING



**ADD SILL RECEPTOR AND END DAM**

THIS DIAGRAM SHOWS THE APPLICATION OF SILL RECEPTOR AND VERTICAL EIFS ADHESIVE DRAINAGE CHANNELS. USE 100% PURE ISOPROPYL ALCOHOL TO CLEAN METAL SURFACE PRIOR TO APPLYING SILICONE.



10/27/22

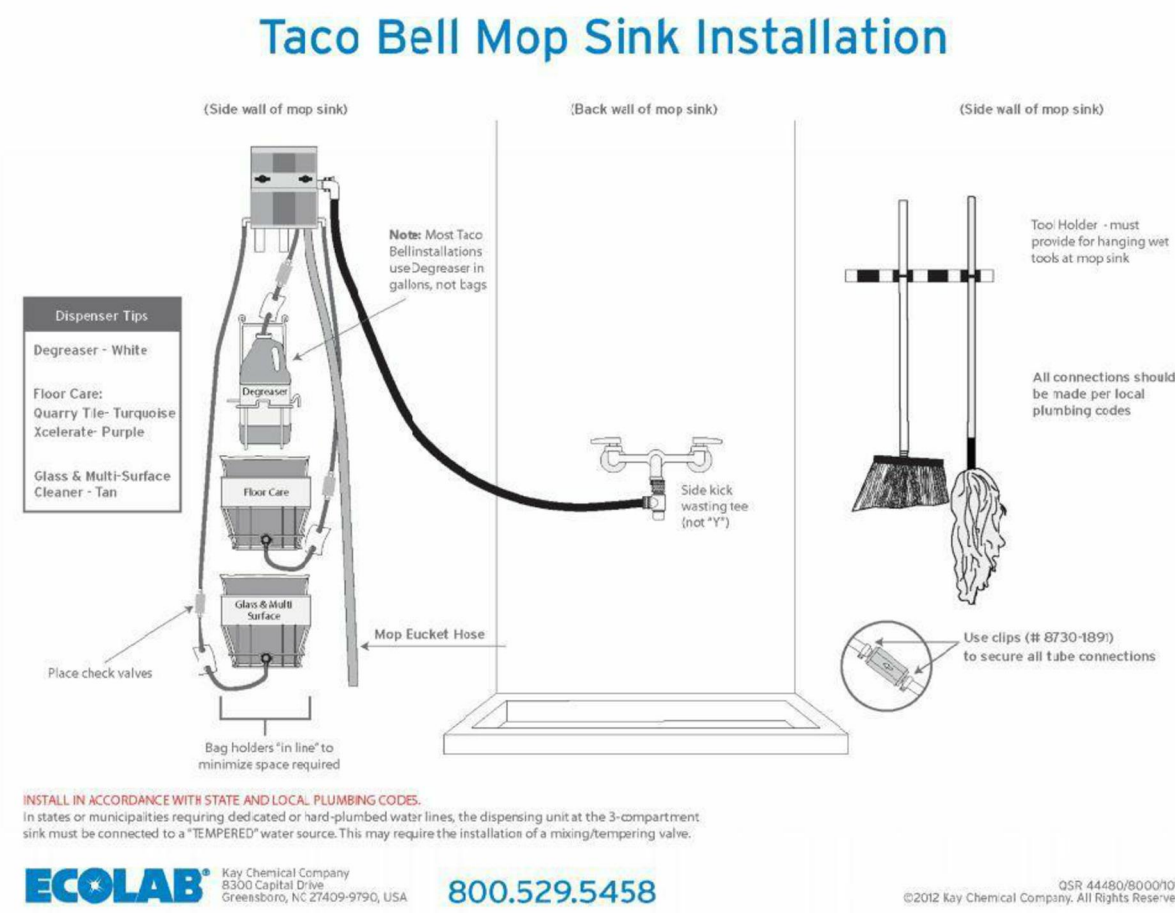
CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCHO  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

**TACO BELL**  
28993 FORD ROAD  
GARDEN CITY, MI 48135

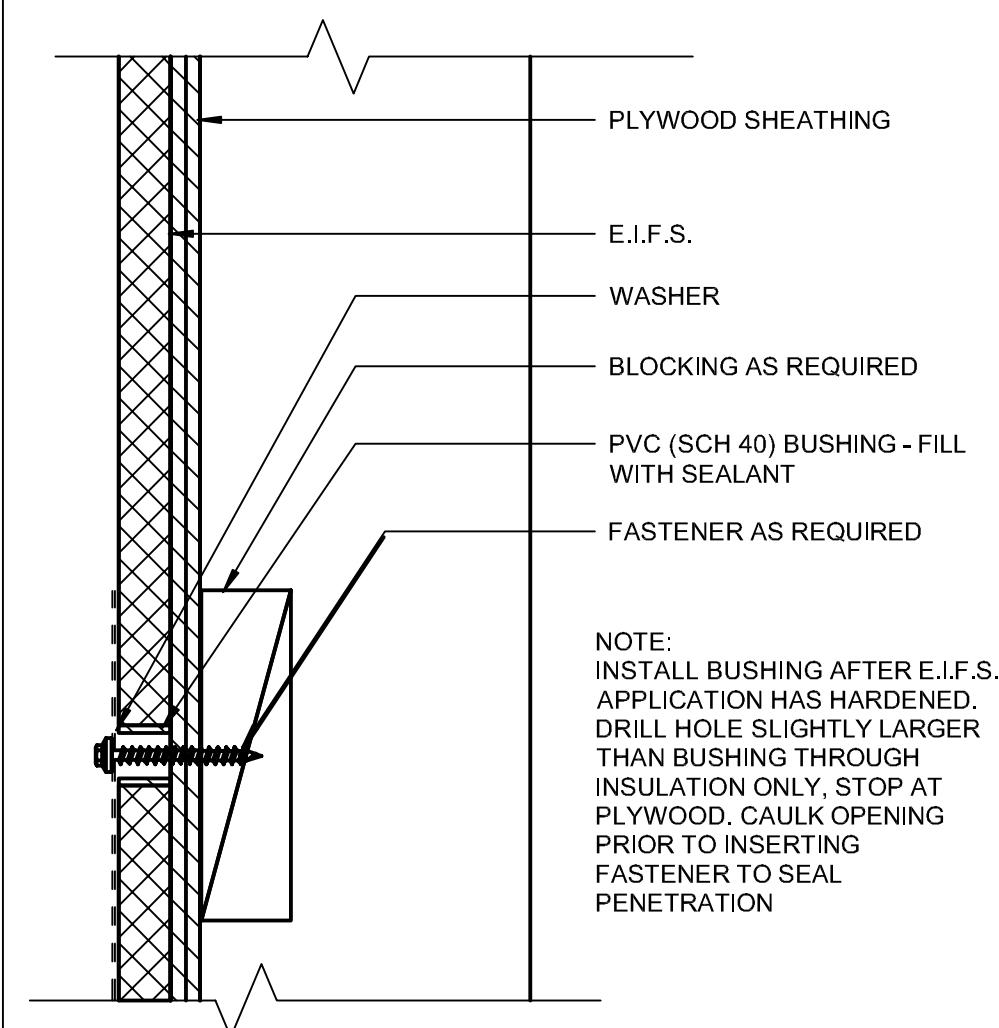
**TACO BELL**  
MAJOR REMODEL  
**DOOR & WINDOW DETAILS**

**A6.1**

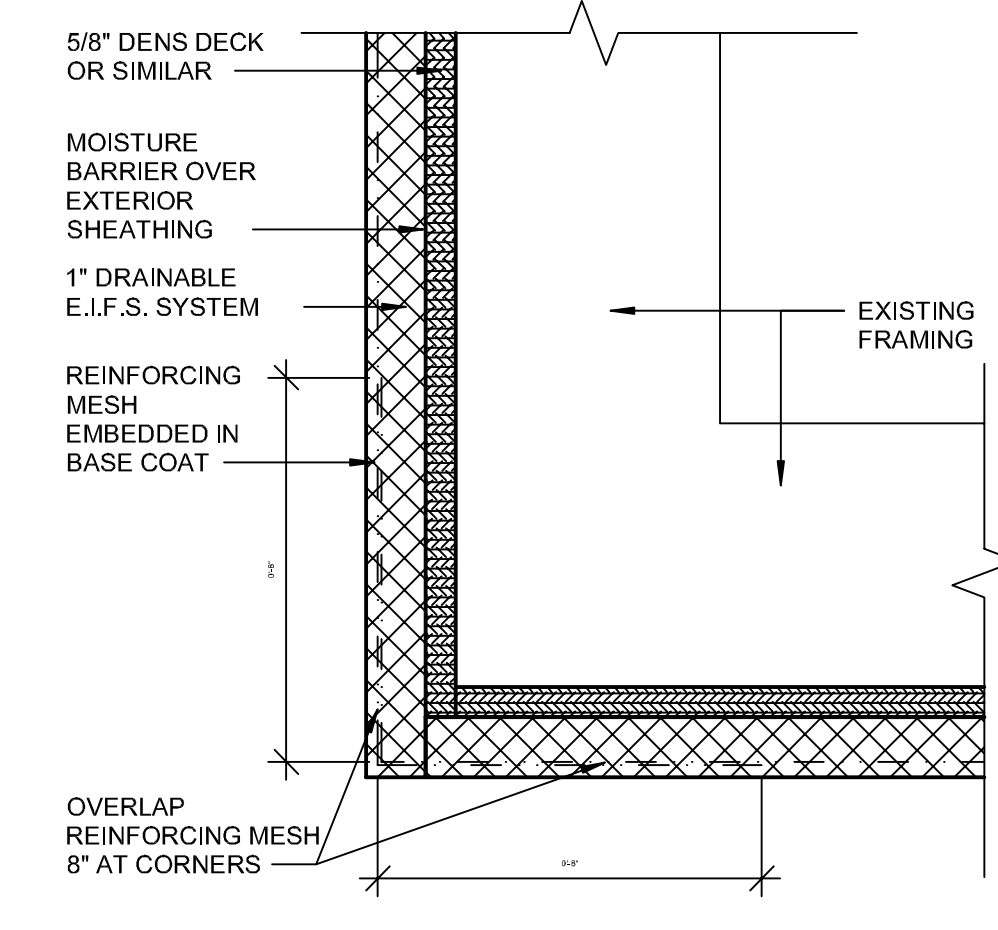
FIG SET ISSUED: 10.25.22



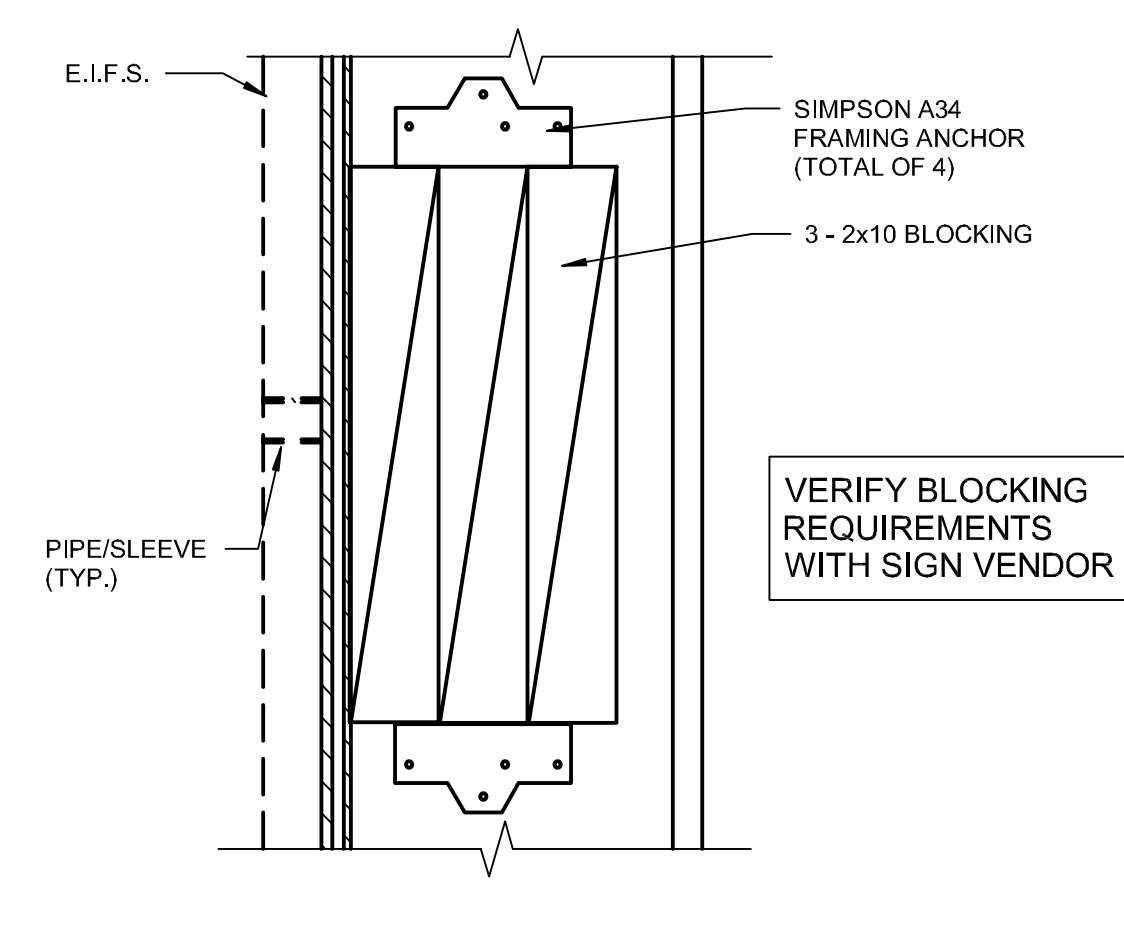
**MOP INSTALLATION** N.T.S. **9**



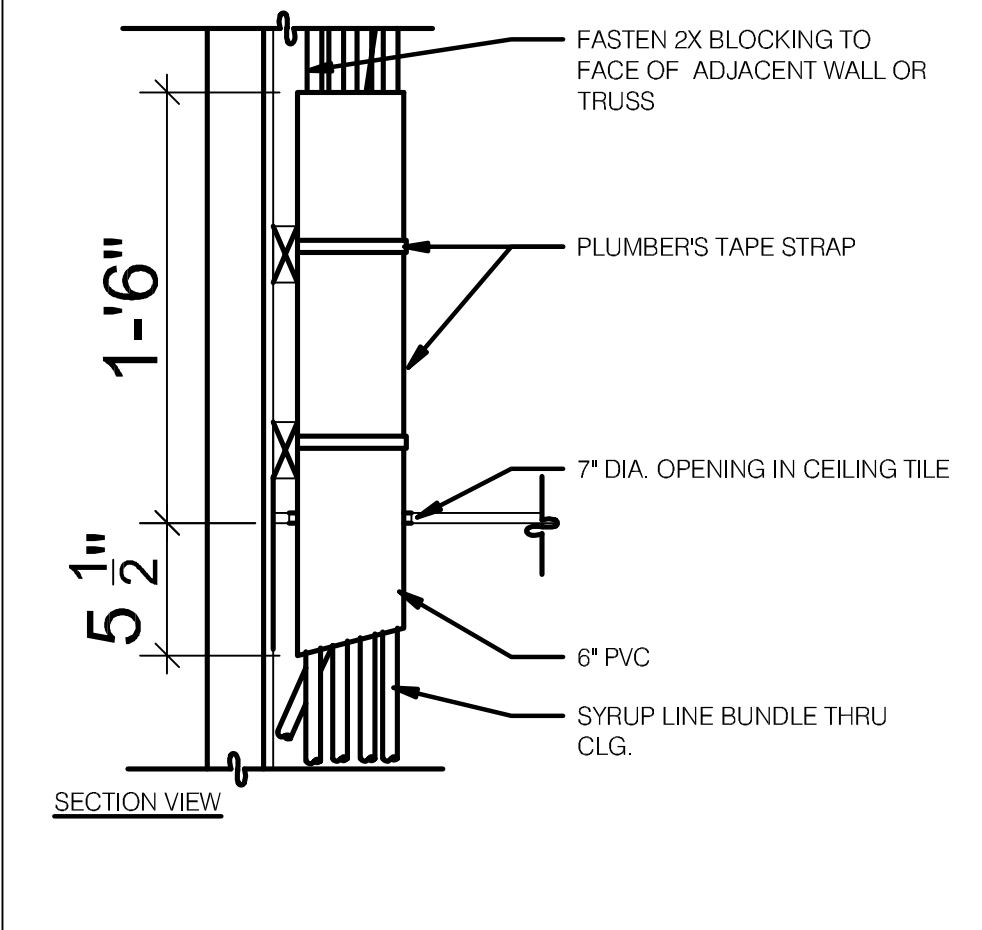
**CONNECTION THRU E.I.F.S.** 3" = 1'-0" **8**



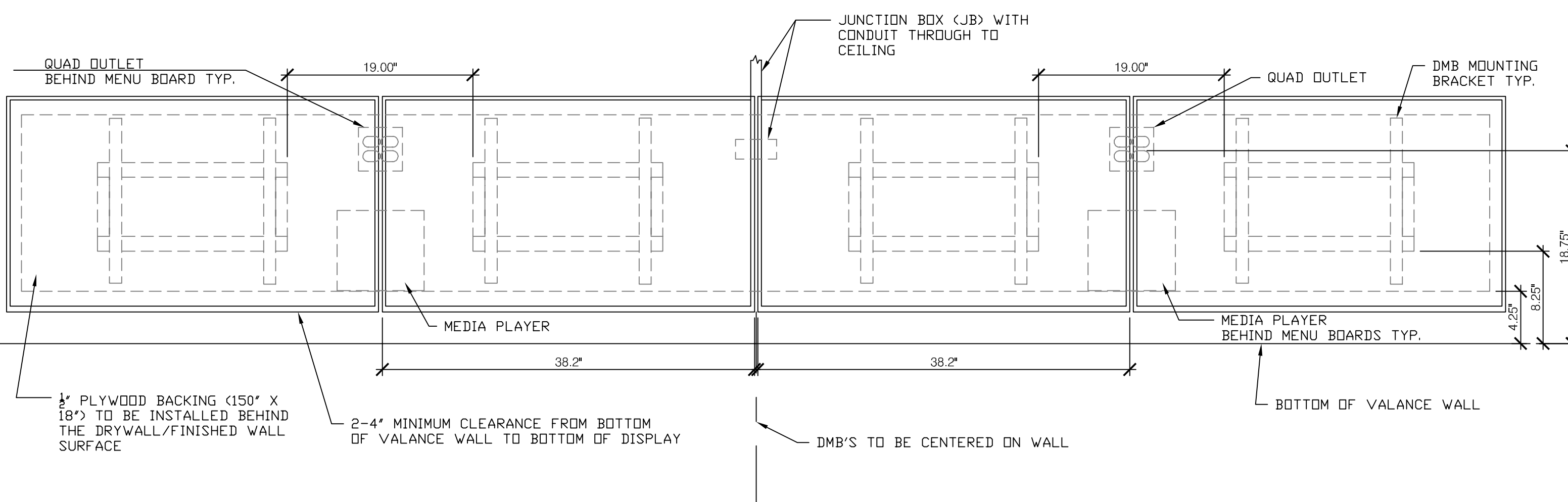
**E.I.F.S. CORNER DETAIL** 3" = 1'-0" **7**



**BLOCKING DETAIL** N.T.S. **4**



**SYRUP BUNDLE AT CEILING** 1 1/2\"/>

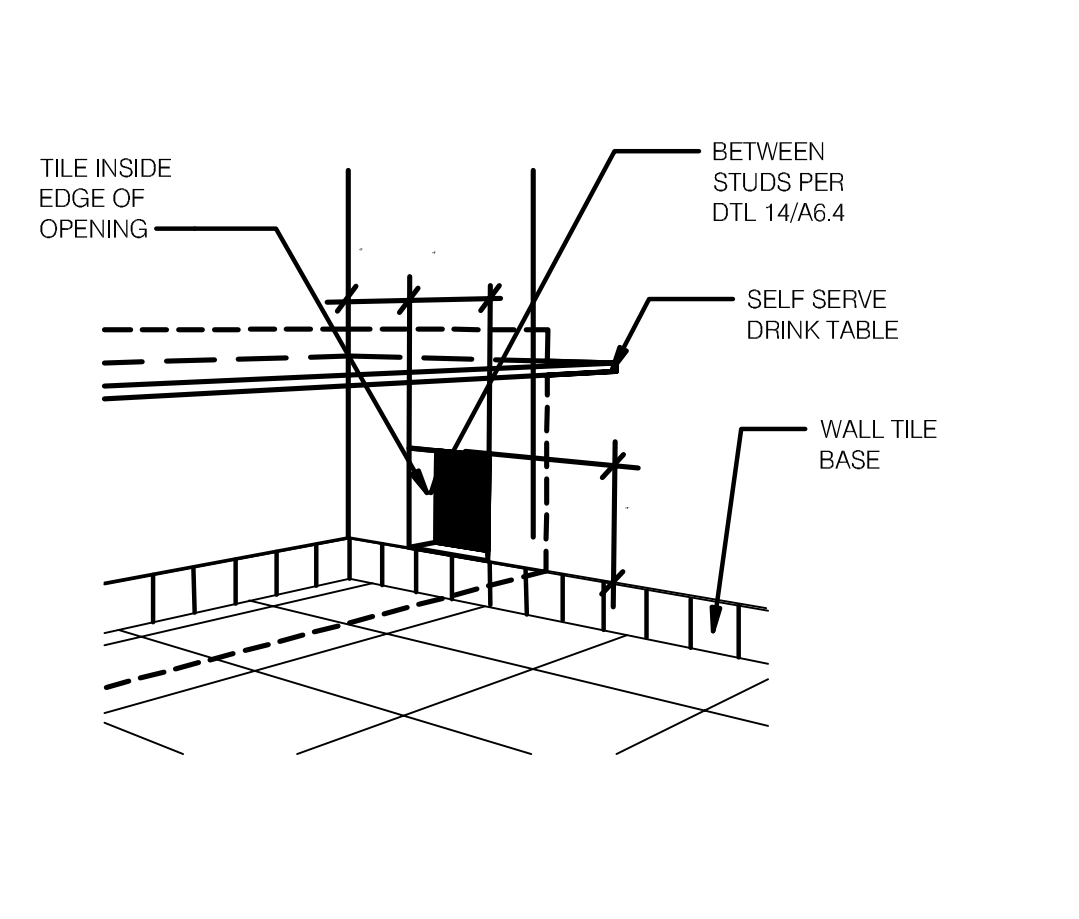


- NOTES:**
- EC/GC TO INSTALL A TOTAL OF (4) IG5262 DUPLEX OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE ORANGE AND STRAIGHT BLADE.
  - EC/GC TO EVALUATE VALANCE WALL STRUCTURE TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS EQUIPMENT EC/GC TO INSTALL ADDITIONAL BACKING MATERIALS (AS REFERENCED ON DRAWINGS) AS NEEDED TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS
  - EC/GC TO INSTALL (1) DATA JUNCTION (JB) IN VALANCE WALL AS SHOWN. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.
  - EC/GC TO RUN (3) CAT6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS.
  - EC/GC SHALL ACQUIRE AND SECURE ANY ALL REQUIRED PERMITTING FOR THE WORK MENTIONED ABOVE PER MUNICIPALITY CODE REQUIREMENTS.
  - DRAWING PROVIDED IS FOR INSTALLATION OF DMB EQUIPMENT ONLY. NOT TO BE USED FOR ARCHITECTURAL PURPOSES. IF PLACEMENT OF REQUIRED ELEMENTS CANNOT BE MET AND WILL EXCEED A 3IN DEVIATION, STRATACACHE MUST BE NOTIFIED IMMEDIATELY.

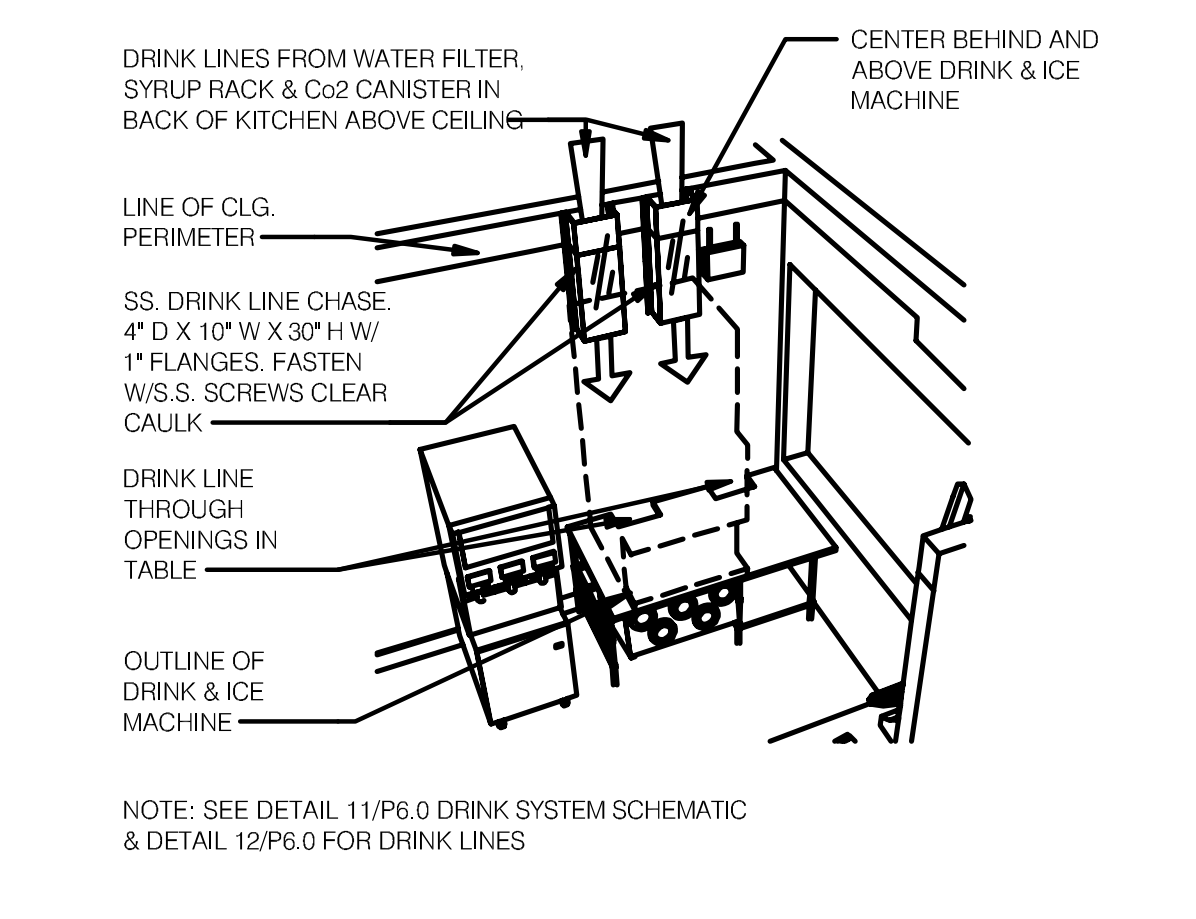
**VALANCE WALL REQUIREMENTS**  
26.2\"/>

ELECTRICAL SCHEDULE								
QTY	DESCRIPTION	VOLT/PH	BRK SIZE	COND/WIRE	PNL/CCT	RECP TYPE	HGT AFF	REQUIREMENT & REMARKS
4	MENUE BOARD - DIGITAL & MEDIA PLAYER	120/1 ISOLATED	20A			(4) IG5262	SEE PLAN	SEE LAYOUT AND NOTES

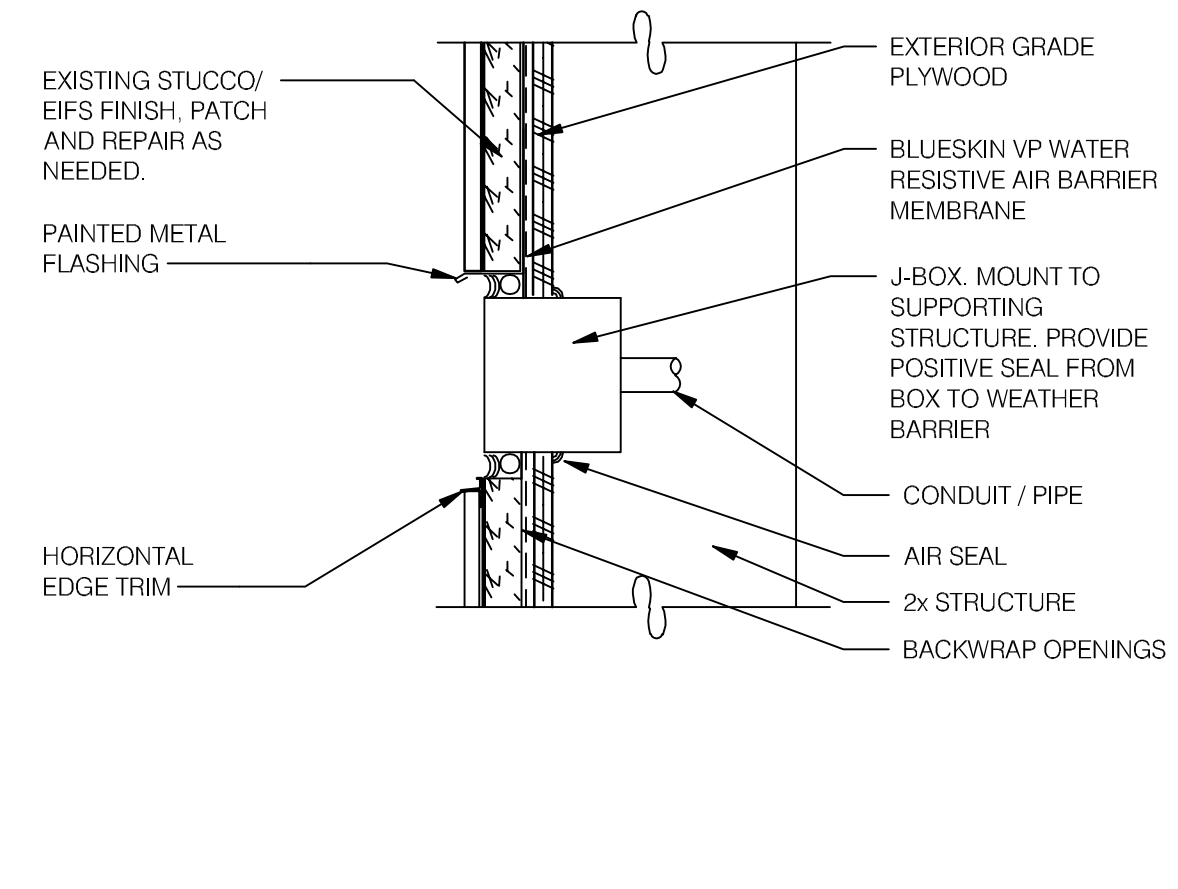
**WALL MOUNTED DMD DETAIL** N.T.S. **10**



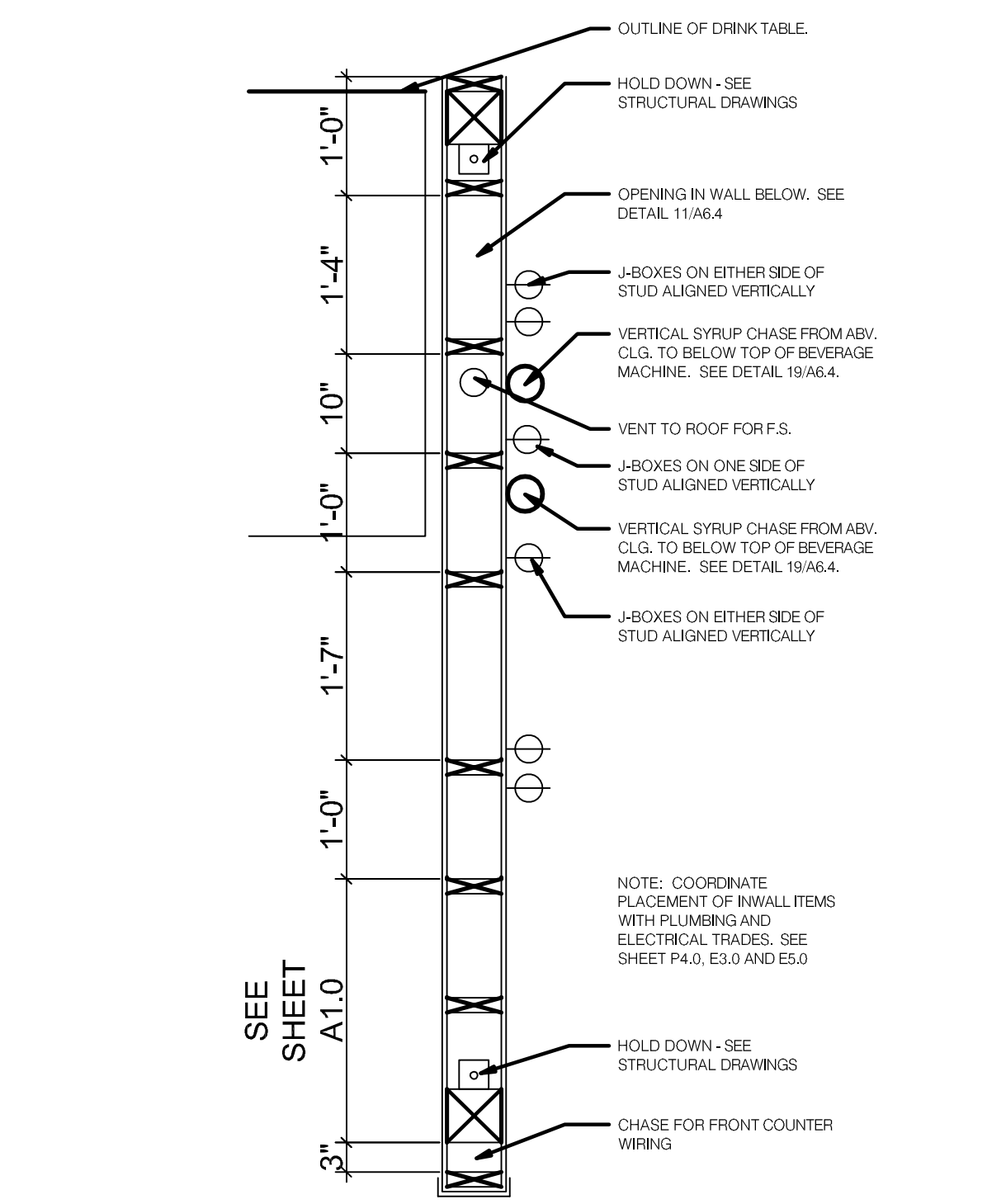
**WALL PASS THRU** N.T.S. **5**



**SYRUP CHASE ON WALL** 1 1/2\"/>



**CO2 FILL / J-BOX** 3\"/>



**INTERIOR CHASE WALL** **3**

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FREDERICK J. GOGULA  
ARCHITECT  
1301043648  
LICENSED ARCHITECT  
10/27/22

CONTRACT DATE:  
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**TACO BELL**  
28993 FORD ROAD  
GARDEN CITY, MI 48135

**TACO BELL**  
MAJOR REMODEL  
**CONSTRUCTION DETAILS**

**A6.2**  
R0 SET ISSUED: 10.25.22







APPLICATION OVER EXISTING MARMOLEUM

- RAMPART WALL COVERING TO BE INSTALLED PER MANUFACTURER.
- ALL SURFACES MUST BE CLEAN, DRY, STRUCTURALLY SOUND, AND FREE OF GREASE. ANY MILDEW MUST BE REMOVED FROM THE WALLS, AND ALL SURFACES MUST BE TREATED TO INHIBIT FURTHER MILDEW GROWTH. LINERS SHOULD NOT BE INSTALLED UNLESS A TEMPERATURE OF AT LEAST 55 DEGREES CAN BE MAINTAINED IN BOTH THE AREAS OF INSTALLATION AND WHERE THE WALL PROTECTION APPLICATION MATERIAL ARE STORED.
- APPLY ROMAN PRO 935 R-35 ADHESION PROMOTING PRIMER (AVAILABLE AT ALL BIG-BOX RETAILERS) WITH A ROLLER OVER THE MARMOLEUM. ALLOW THE SURFACE TO DRY OVERNIGHT.
- RECOMMENDED WALL LINING MATERIAL IS KORBOLNER, AVAILABLE THROUGH WOLF-GORDON.
- PASTE ONLY ONE STRIP OF LINER AT A TIME. ACCOMPLISH THIS BY BRUSHING OR ROLLING A QUALITY PRE-MIXED ADHESIVE THOROUGHLY OVER THE BACK OF THE LINER STRIP (ROMAN PRO 555 EXTREME TACK ADHESIVE IS RECOMMENDED). MAKE SURE ALL EDGES ARE COVERED. DO NOT CREASE THE MATERIAL.
- ALIGN THE FIRST STRIP TO A PLUMB LINE. SMOOTH AND OVERLAP FROM THE TOP OF BOTTOM OF THE STRIP. SMOOTH THE STRIP TO THE WALL WITH A SOFT BRUSH, REMOVING ALL AIR POCKETS IN THE PROCESS. BUTT OR DOUBLE CUT ALL SEAM, BUT DO NOT OVERLAP THE LINER MATERIAL - OVERLAPS LEAVE VISIBLE IMPERFECTIONS ON THE OTHERWISE SMOOTH WALL SURFACE.
- SET SEAMS WITH A SEAM ROLLER TO PREVENT THEM FROM OPENING OR CURLING AWAY FROM THE WALL WHILE DRYING. DO NOT USE EXCESSIVE PRESSURE WHEN ROLLING SEAMS, AS IT COULD SQUEEZE OUT TOO MUCH OF THE PASTE WHICH COULD ALSO CAUSE THE SEAM TO OPEN UP WHEN DRY.
- USE SCISSORS OR A SINGLE-EDGE RAZOR BLADE TO TRIM EXCESS MATERIAL AT THE TOP, BASE, AND AROUND WINDOWS AND DOORFRAMES.

APPLICATION OVER EXISTING SUBSTRATE (USE IF MARMOLEUM IS NOT PRESENT)

- RAMPART WALL COVERING TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.
- GLOSSY SURFACES SHOULD BE SANDED, AND MILDEW SHOULD BE CLEANED FROM THE SURFACE WITH A SOLUTION OF TWO CUPS HOUSEHOLD BLEACH PER GALLON OF WATER. UNLESS FIRMLY BONDED TO THE WALL, OLD WALLCOVERING SHOULD BE SCRAPED AND REMOVED. NICKS, GOUGES, AND OTHER SURFACE BLEMISHES MUST BE FILLED AND SANDED SMOOTH. FOLLOW WITH A PIGMENTED, ADHESION-PROMOTING PRIMER.
- WITH ALL SURFACES-ONCE PROPERLY PREPARED-APPLY A GOOD QUALITY ACRYLIC OR LATEX WALLCOVERING PRIMER/SEALER. IF AN OIL-BASED PRIMER WAS USED, APPLY AN ACRYLIC OR LATEX PRIMER OVER IT BEFORE HANGING, TO AVOID TRAPPING MOISTURE OR ADHESION PROBLEMS. IF THE SURFACE DOES NOT HAVE A UNIFORM COLOR, USE A PIGMENTED PRIMER.
- RAMPART WALL PROTECTION ROLLS ARE NUMBERED CONSECUTIVELY AND SHOULD BE CUT AND INSTALLED IN REVERSE SEQUENCE, STARTING WITH THE HIGHEST NUMBERED ROLL. CUT THE MATERIAL INTO FULL WIDTH STRIPS AS THEY WILL BE HUNG, AND LAY THEM FLAT ON THE FLOOR IN A HEATED ROOM THE DAY BEFORE INSTALLATION TO REMOVE ANY FLAT SPOTS THAT MAY HAVE OCCURRED WITH STORING. REVERSE HAND ALTERNATE STRIPS OF THE MATERIAL IN SEQUENCE, AS THEY ARE CUT FROM THE ROLL. RAMPART PATTERNS CAN ALSO BE RAILROADED.

NOTE: IF ANY DEFECT, COLOR VARIATION, OR UNACCEPTABLE PATTERN EFFECT IS NOTICEABLE AFTER THREE PANELS ARE CUT AND HUNG, STOP AND CONTACT WOLF-GORDON IMMEDIATELY. WOLF-GORDON CANNOT ACCEPT ANY CLAIMS ON LABOR OR MATERIAL AFTER MORE THAN THREE PANELS ARE INSTALLED.

VINYL WALLCOVERING INSTALLATION INSTRUCTIONS E

- LAMINATE MAY BE SHIPPED FLAT OR ROLLED IN A BOX. FOR LONG TERM STORAGE, WILSONART RE-COVER LAMINATE SHOULD BE STORED FLAT (HORIZONTALLY) WITH THE ADHESIVE SIDE FACING DOWN (DECORATIVE SIDE UP). CONDITION BOTH THE LAMINATE AND THE SUBSTRATE IN THE SAME ENVIRONMENT FOR 48 HOURS BEFORE FABRICATION. IF ROLLED, UNROLL THE LAMINATE FOR THE 48 HOUR ACCLIMATION PERIOD. RECOMMENDED CONDITIONING AND ACCLIMATION IS 75°F AND 50% RELATIVE HUMIDITY. DO NOT APPLY RE-COVER LAMINATE IF THE SURFACE TEMPERATURE OF THE LAMINATE OR THE SUBSTRATE IS BELOW 50°F.
- IF BONDING OVER AN EXISTING SUBSTRATE THAT IS DAMAGED, REPAIR THE SURFACE TO PREVENT AN UNEVEN APPEARANCE OF THE FINISHED ASSEMBLY. RECOMMENDED PRODUCTS FOR REPAIRING DAMAGED HIGH PRESSURE DECORATIVE LAMINATE OR WOOD SUBSTRATE: J-B WELD @WOODWELD, ELMER'S @CARPENTER'S @WOOD FILLER, AND BONDO @ALL-PURPOSE PUTTY. BE SURE TO READ AND FOLLOW THE MANUFACTURER'S PRECAUTIONS AND DIRECTIONS FOR USE. SAND AND CLEAN ALL REPAIRED AREAS BEFORE APPLYING THE LAMINATE.
- SUBSTRATES SHOULD BE CLEAN AND FREE OF RESIDUE. IF BONDING TO AN EXISTING DECORATIVE SURFACE, MAKE SURE IT IS ADEQUATELY CLEANED AND DRIED BEFORE BONDING. SUITABLE CLEANING PRODUCTS INCLUDE: WILSONART @110, WILSONART @121, WILSONART @130, WILSONART @131, WILSONART @131A, ACETONE, ISOPROPYL ALCOHOL, OR WINDEX @WITH AMMONIA. DO NOT USE A CLEANER THAT WILL LEAVE AN OILY RESIDUE. BE SURE TO READ AND FOLLOW THE MANUFACTURER'S PRECAUTIONS AND DIRECTIONS FOR USE.
- TO PRECUT LAMINATE PRIOR TO BONDING, USE CARBIDE TIPPED SAW BLADES, ROUTER BITS AND LAMINATE SLITTERS. CUTTING BLADES AND ROUTER BITS SHOULD BE KEPT SHARP AND CLEAN.
- WHEN USING MULTIPLE SHEETS OF LAMINATE TO COVER AN AREA, LEAVE A GAP BETWEEN SHEETS TO ALLOW " IS REQUIRED BETWEEN SHEETS OF FOR PROPER LAMINATE MOVEMENT. A MINIMUM GAP OF 1/16 " IS RE-COVER LAMINATE USED IN NON-ENVIRONMENTALLY CONTROLLED AREAS. A MINIMUM GAP OF 1/32 REQUIRED BETWEEN SHEETS OF RE-COVER LAMINATE IN ENVIRONMENTALLY CONTROLLED AREAS.
- PRIOR TO INSTALLATION, AND BEFORE REMOVING THE PEEL SHEET THAT COVERS THE ADHESIVE, DRY FIT THE RE-COVER LAMINATE TO THE SUBSTRATE. ONCE YOU HAVE INDEXED THE LAMINATE, REMOVE 1"-2" OF THE PEEL SHEET ON ONE END AND LIGHTLY TACK IT IN PLACE. BEGIN REMOVING THE PEEL SHEET, MAKING SURE THE OPPOSITE END IS STILL PROPERLY ALIGNED. WORK YOUR WAY DOWN THE ENTIRE LENGTH OF THE LAMINATE SHEET UNTIL THE PEEL SHEET IS COMPLETELY REMOVED AND THE RE-COVER LAMINATE IS FLAT ON THE SURFACE. APPLY UNIFORM BONDING PRESSURE (30-40 PSI MINIMUM) OVER THE ENTIRE BONDED SURFACE " WIDE J-ROLLER. DO NOT USE A WOODEN BLOCK USING A MECHANICAL PINCH ROLLER (RECOMMENDED) OR A 3 OR OTHER HAND ROLLER.
- RE-COVER LAMINATE IS NOT REPOSITIONABLE. ANY ATTEMPTS TO REPOSITION THE LAMINATE WILL RESULT IN INADEQUATE BONDING. IF THE RE-COVER LAMINATE HAS BEEN POSITIONED INCORRECTLY, REMOVE USING A HEAT GUN TO SOFTEN THE ADHESIVE, AND THEN PULL THE LAMINATE AWAY FROM THE SUBSTRATE. ONCE A SHEET IS REMOVED, IT CANNOT BE REAPPLIED. REPLACE IT WITH A NEW SHEET OF RE-COVER LAMINATE.
- ONCE BONDED, YOU CAN BEGIN MACHINING THE RE-COVER ASSEMBLY IMMEDIATELY. HIGH TOOL SPEED AND LOW FEED SPEED ARE RECOMMENDED FOR BEST RESULTS. PRIOR TO ROUTING EDGES, A RAZOR MAY BE USED TO SCORE THE ADHESIVE SIDE OF THE LAMINATE TO PREVENT THE ADHESIVE LAYER FROM ROLLING UP DURING THE PROCESS.
- TO AVOID STRESS CRACKING, DO NOT USE SQUARE-CUT INSIDE CORNERS. ALL INSIDE CORNERS SHOULD HAVE " RADIUS. DRILL OVERSIZED HOLES FOR SCREWS OR BOLTS. SCREWS OR BOLTS SHOULD BE A MINIMUM OF 1/8 SLIGHTLY COUNTERSUNK INTO THE FACE SIDE OF A LAMINATE CLAD SUBSTRATE.

WILSONART RE-COVER LAMINATE INSTALL. INSTR. F

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ORANGE, CA 92668  
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CONTACT INFORMATION G

FINISH LEGEND						
SYMBOL	MANUFACTURER	STYLE	COLOR	SIZE	GROUT	COMMENTS
<b>CEILING</b>						
CL-1	USG	ACT SYSTEM, USG RADAR, CLIMAPLUS PERFORMANCE, SQ EDGE	#107 TAUPE	2 X 2	N/A	USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #107 TAUPE FOH CEILING TILES: DINING ROOM, ALCOVE, VESTIBULE.
CL-2	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS, CLIMAPLUS PERFORMANCE, SQ EDGE	#050 WHITE	2 x 4 PROFILE	N/A	CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #050 WHITE, BOH AREAS.
CL-16	N/A	GYPSUM BOARD	PAINTED PER RCP			SELF-SERVE DRINK TABLE AND RESTROOMS.
<b>CHAIR RAIL</b>						
CR-1	SW	SW7043	WORLDLY GRAY	3/4" X 1 1/2"		SEMI-GLOSS
<b>FLOOR BASE</b>						
B-1	CMC	QUARRY	PURITAN GREY #507	6 X 6	MAPEI #9 GRAY, 1/8" JOINT WIDTH	KERAPOXY GROUT IEG CO KITCHEN AND BOH AREAS
B-2	CMC	MOTIF GREY	GREY	6 X 12	MAPEI #2 PEWTER, 1/8" JOINT WIDTH	FOH: DINING ROOM AND RESTROOMS
<b>FLOORING</b>						
T-1	CMC	QUARRY	PURITAN GREY #507	6 X 6	MAPEI #9 GRAY, 1/8" JOINT WIDTH	KERAPOXY GROUT IEG CO KITCHEN AND BOH AREAS
T-2	CMC	MOTIF GREY	GREY	18 X 18	MAPEI #2 PEWTER, 1/8" JOINT WIDTH	FOH: DINING ROOM AND RESTROOMS
<b>FRP/LAMINATE</b>						
FRP-1	MARLITE	SMOOTH SURFACE	S100 S2/S WHITE	4' X 8' X .90		COORDINATE ALL TRIM PIECES WITH FRP MFG
L-1	WILSONART	4783K FINISH 7	WHITE TIGRIS			OFFICE SHELVING LAMINATE
L-2	WILSONART	Y0664K-12	MOCHA ASH			SOFTGRAIN FINISH, PRODUCT CODE #372 IS .039" VERTICAL GRADE PRODUCT CODE #362 IS .028" AND HORIZONTAL GRADE RESTROOM AND UTILITY DOORS
<b>CORNER GUARDS</b>						
CG-1	C.S GROUP	ACROVYN VA SERIES	VA-034N #934 PEARL	3/4" X 3/4"		FOR PAINT MATCH P-1 FOH: GYP WALL DECOR CORNER GUARD, REFER TO DETAIL 7/A6.0.
CG-2	C.S GROUP	ACROVYN VA SERIES	VA-034N #262 DRIFTWOOD	3/4" X 3/4"		FOR PAINT MATCH CR-1 & WC-1 FOH: GYP WALL DECOR CORNER GUARD, REFER TO DETAIL 7/A6.0.
<b>METAL TRANSITION</b>						
MT-1	SCHLUTER	JOLLY	A 100 AT - SATIN NICKEL ANODIZED ALUMINUM	3/8"	N/A	TILE EDGE TRIM REFER TO DETAIL 14/A6.0 AND 15/A6.0
MT-2	SCHLUTER	RONDEC - ALUMINUM		3/8"	N/A	USE AT TILED OUTSIDE CORNERS (ROUNDED) REFER TO DETAIL 16/A6.0
MT-3	SCHLUTER	SATIN ANODIZED ALUMINUM		3/8"	N/A	FOH: WAINSCOT WALL DECOR CORNER GUARD, REFER TO DETAIL 8/A6.0
MT-4	SCHLUTER	RENOCU		3/8"	N/A	TILE FLOOR TRANSITION
<b>SOLID SURFACE</b>						
SS-1	CORIAN	LAVA ROCK	LAVA ROCK			COUNTERTOPS/24" DIAMETER TABLE TOP
<b>WALL COVERING</b>						
WC-1	WOLF-GORDON	RAMPART HIGH IMPACT WALL COVERING	FOUNDATION PIGMENT (GOH 12172608)		RAILROAD INSTALLATION: THERE SHOULD BE NO SEAMS ALONG WALLS	1 ROLL: 80 LF.
<b>WALL PAINT</b>						
P-1	SHERWIN WILLIAMS	SW7021	SIMPLE WHITE	N/A	N/A	PAINT FINISH: WALLS: EGGSHELL TRIM/BOH: SEMI-GLOSS (CHAIR RAIL) CEILING: FLAT
P-2	SHERWIN WILLIAMS	TB2603C	PURPLE	N/A	N/A	
P-3	SHERWIN WILLIAMS	SW7076	CYBER SPACE	N/A	N/A	
P-4	SHERWIN WILLIAMS	SW7005	PURE WHITE	N/A	N/A	
<b>WALL TILE</b>						
W-1	CMC	FORM	ICE DECO MIX	8X8	MAPEI #47 CHARCOAL, 1/8" JOINT WIDTH	RESTROOM ACCENT WALL TILE
W-2	CMC	FORM	ICE	8X8	MAPEI #47 CHARCOAL, 1/8" JOINT WIDTH	RESTROOM WALL TILE
W-3	CMC	SALVAGEWOOD	WHITEWASH	3X36	MAPEI #01 ALABASTER, 1/8" JOINT WIDTH	RUNNING BOND INSTALLATION OFFSET 25% DINING ROOM ACCENT TILE

FINISH LEGEND A

- WHERE NOTED INSTALL FRP PANELS ON WALLS FROM TOP OF TILE BASE TO BOTTOM OF CEILING GRID EXCEPT WHERE CERAMIC TILE IS INDICATED. INSTALL FRP ON KITCHEN SIDE OF SERVING COUNTER WALL.
- REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF TILE AND FRP.
- FOR FINISH LOCATIONS REFER TO: SHEETS A4.0 & A4.1 - EXTERIOR ELEVATIONS SHEET A7.0 - FLOOR FINISH PLAN SHEET A7.1 - REFLECTED CEILING PLAN SHEETS A8.0 TO A8.1 - INTERIOR ELEVATIONS
- ALL INTERIOR WALL & CEILING FINISHES TO BE CLASS A & B TO MEET ASTM E 84 MATERIAL TESTS. ALL FLOOR FINISHES MUST COMPLY W/ DOC FF-1 "PILL TEST." SANITARY COVE BASE SHALL BE OF SAME CLASS AS FLOOR FINISH AS DEFINED BY NFPA 253.
- APPROVED PAINT MANUFACTURES: PORTER, BENJAMIN MOORE, SHERWIN WILLIAMS, ICI, & PITTSBURGH PAINTS. MATCH SPECIFIED SCHEDULE COLORS EXACTLY.
- ALL MORTARS SHALL BE MIXED WITH WHITE SAND TO INSURE A COLOR CONSISTENT TO THE ORIGINAL DESIGN INTENT.

ROOM FINISH NOTES C

PAINTING METAL CEILING GRIDS AND HVAC GRILLS/DIFFUSERS

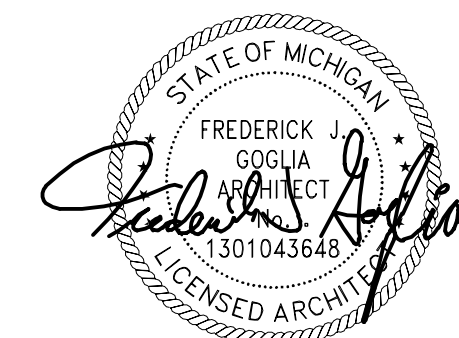
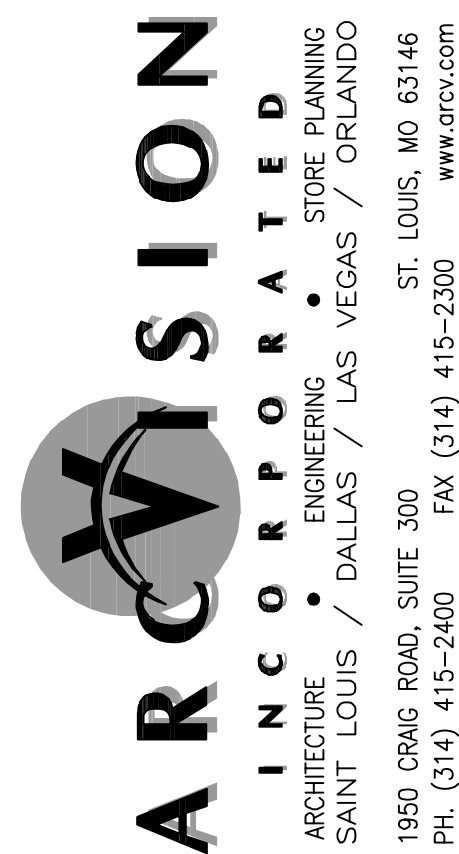
APPLICATOR MUST DO THEIR DUE DILIGENCE WITH PREPARATION PRIMER: 1 COAT OR SPOT PRIME OF B66W31Q, PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER.

FINISH: 2 COATS SW A82-100 SERIES, A-100 EXTERIOR LATEX SATIN

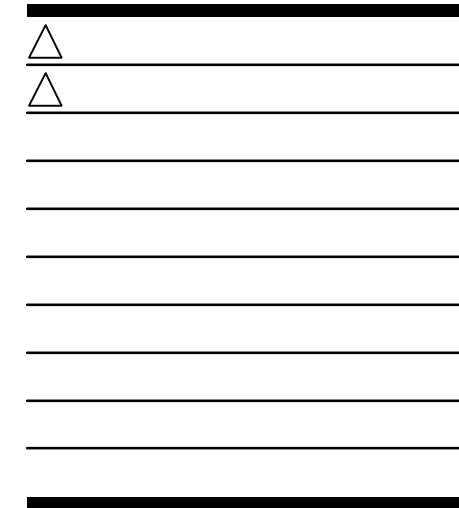
Name	Floor Finish	Base Finish	Wall Finish	Accent Wall	CEILING			LAMINATES		
					FOH - CENTRAL	FOH - SIDES	SOFFIT	DOOR LAMINATE	POS COUNTERTOP	POS COUNTER FACE
DINING	T-2, MT-4	B-2	P-1, CR-1, WC-1, MT-1, CG-1, MT-3	W-3	CL-1, P-1	CL-1, P-1	P-1	L-2	SS-1	WC-1
KITCHEN	T-1, MT-4	B-1	FRP-1	N/A	CL-2	N/A	N/A	N/A	N/A	N/A
MEN'S RESTROOM	T-2	B-2	W-2	W-1	P-1 FLAT	N/A	N/A	L-2	N/A	N/A
WOMEN'S RESTROOM	T-2	B-2	W-2	W-1	P-1 FLAT	N/A	N/A	L-2	N/A	N/A

PAINT SPEC. D

FINISH SCHEDULE B



10/27/22



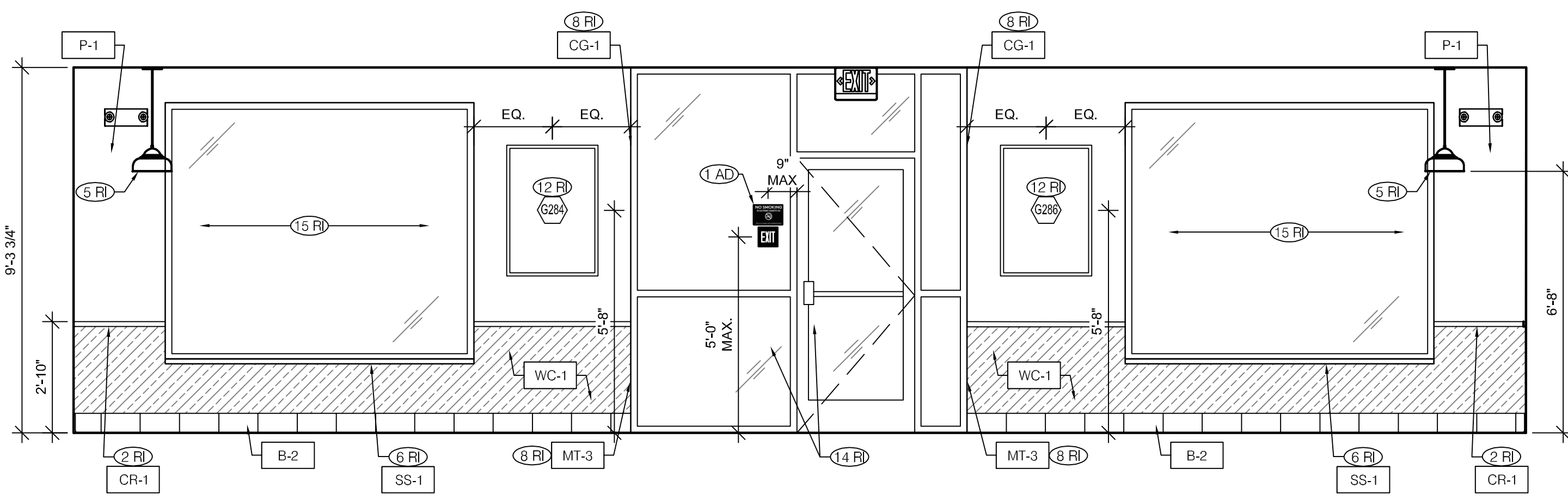
CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCHO  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

TACO BELL  
28993 FORD ROAD  
GARDEN CITY, MI 48135

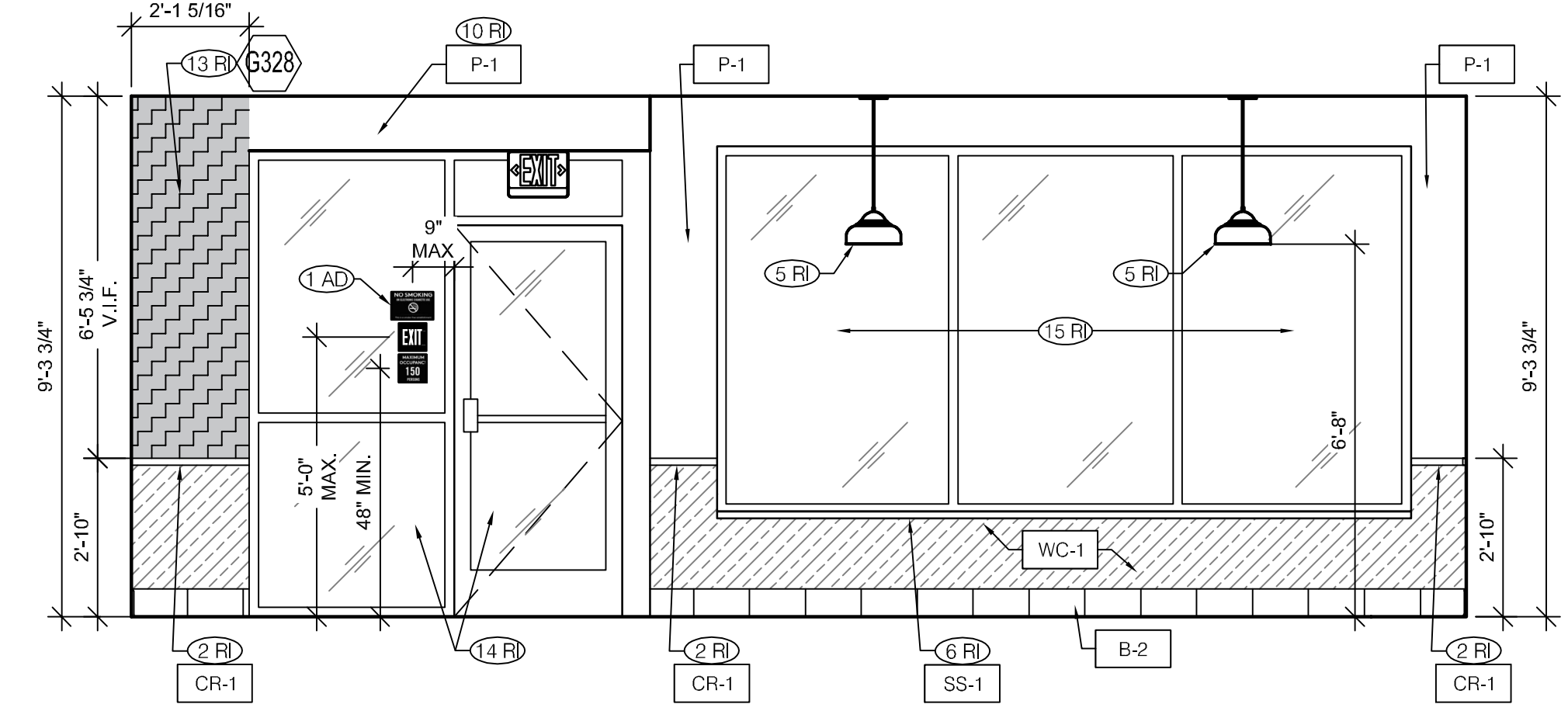


MAJOR REMODEL  
FINISH SCHEDULES AND FINISH NOTES

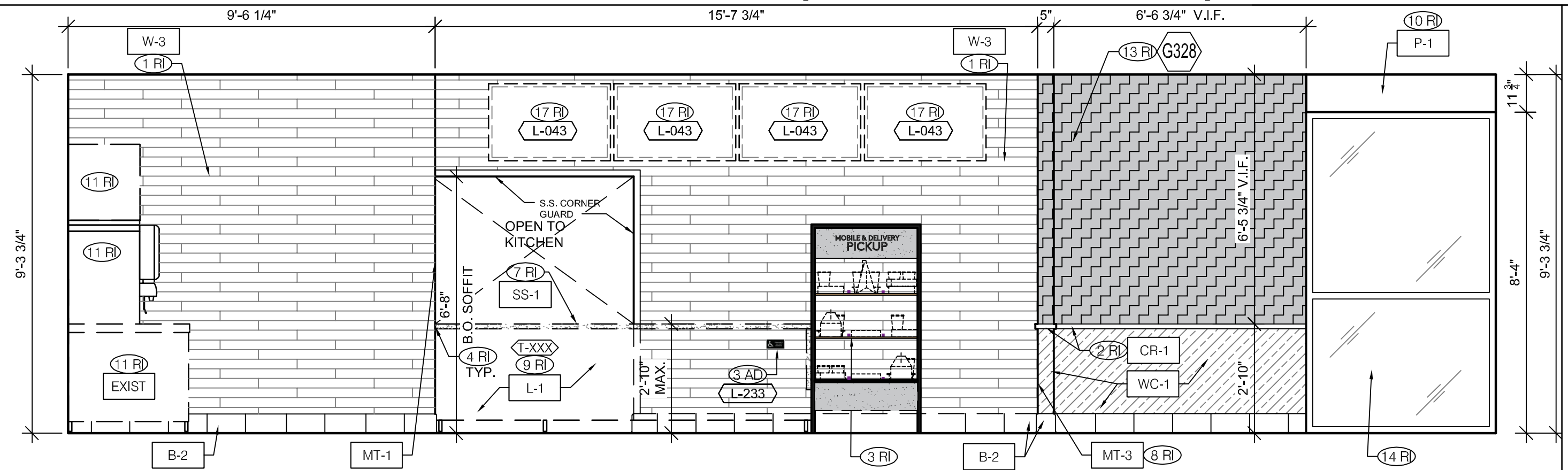
A7.2



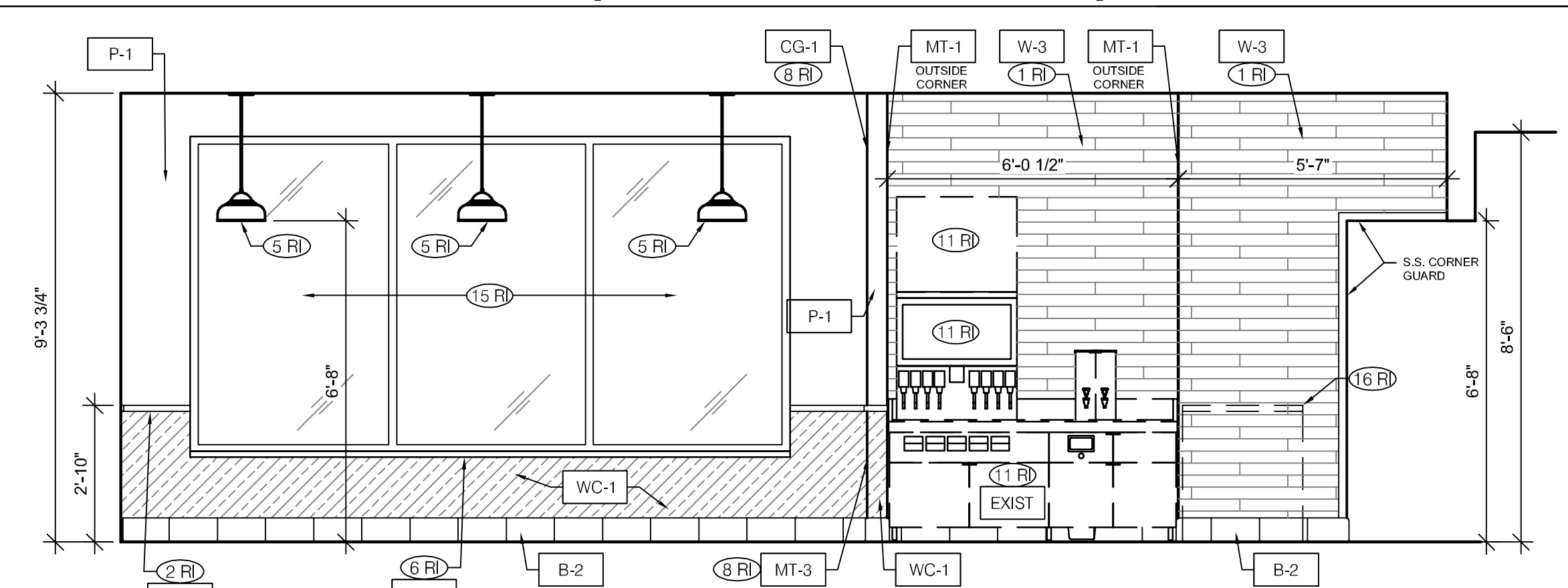
**(FFE OMITTED FOR CLARITY) DINING ELEVATION** 3/8" = 1'-0" **2**



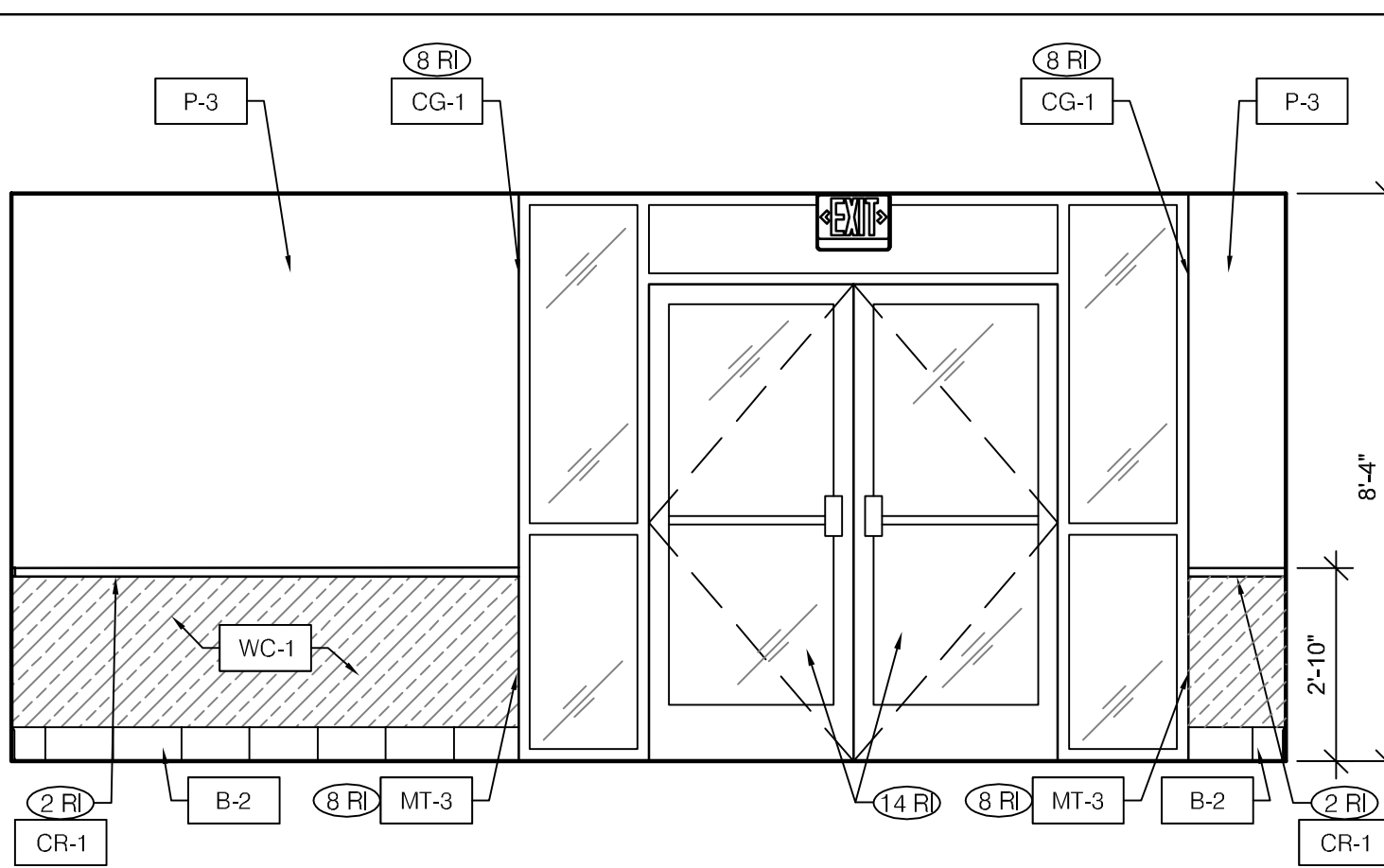
**(FFE OMITTED FOR CLARITY) DINING ELEVATION** 3/8" = 1'-0" **1**



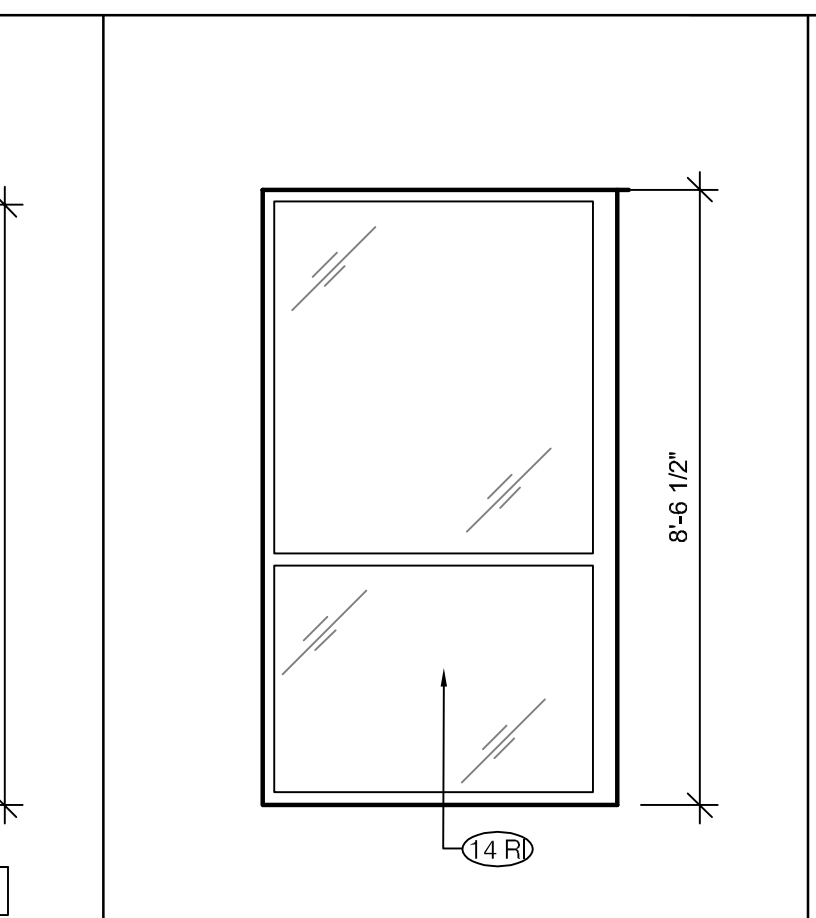
**SERVICE COUNTER** 3/8" = 1'-0" **4**



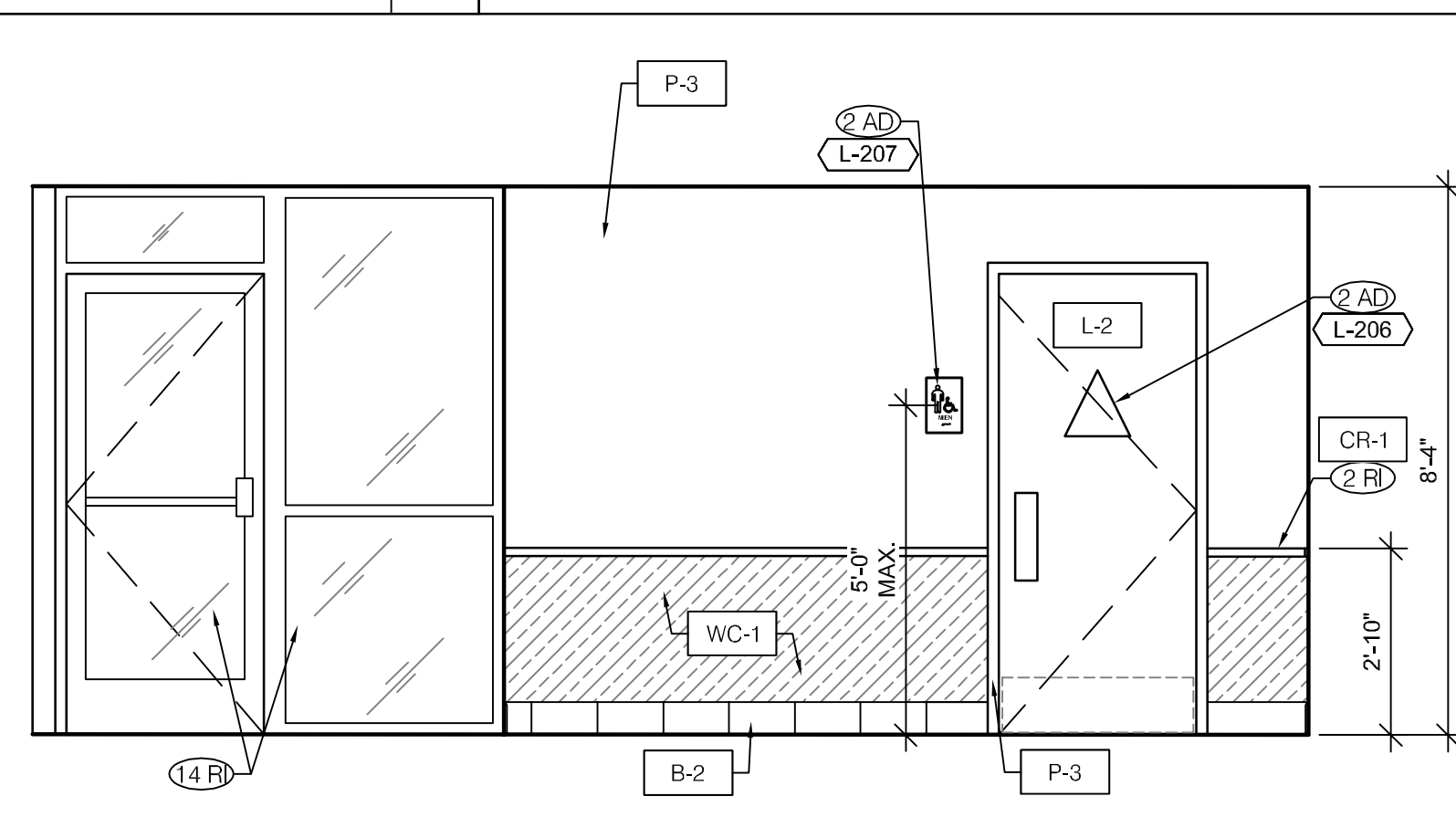
**(FFE OMITTED FOR CLARITY) DINING ELEVATION** 3/8" = 1'-0" **3**



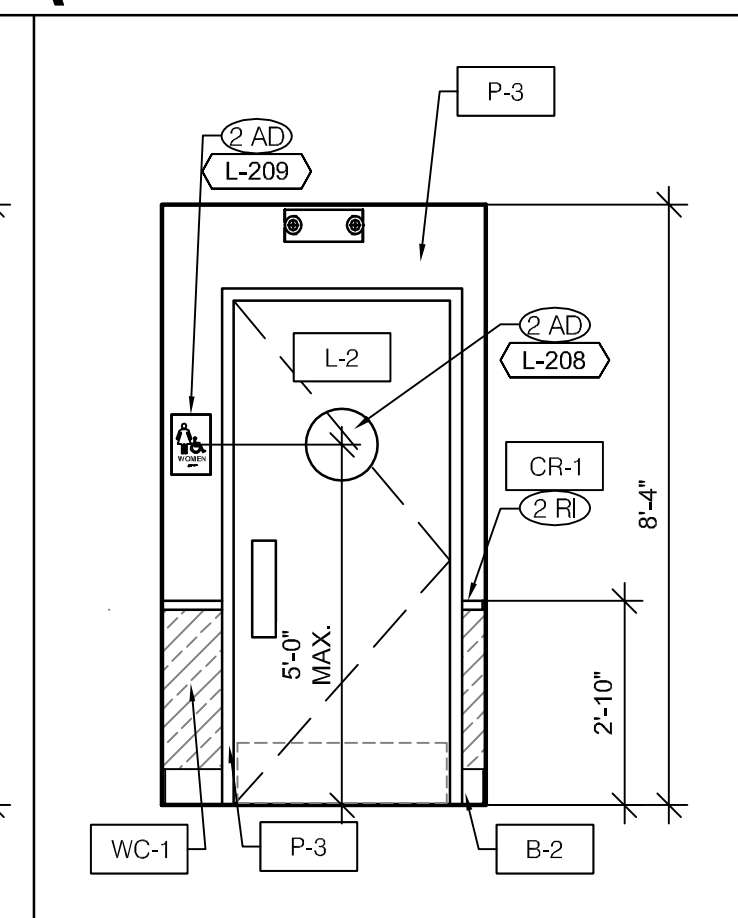
**VESTIBULE** 3/8" = 1'-0" **9**



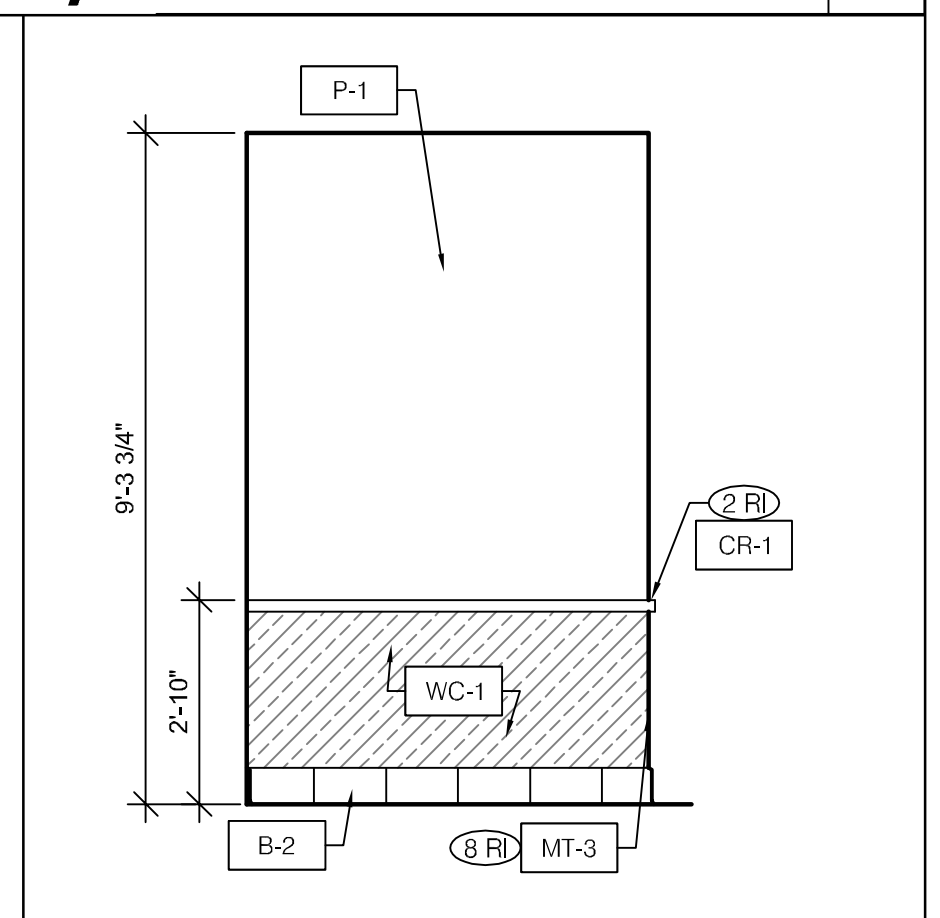
**VESTIBULE** 3/8" = 1'-0" **8**



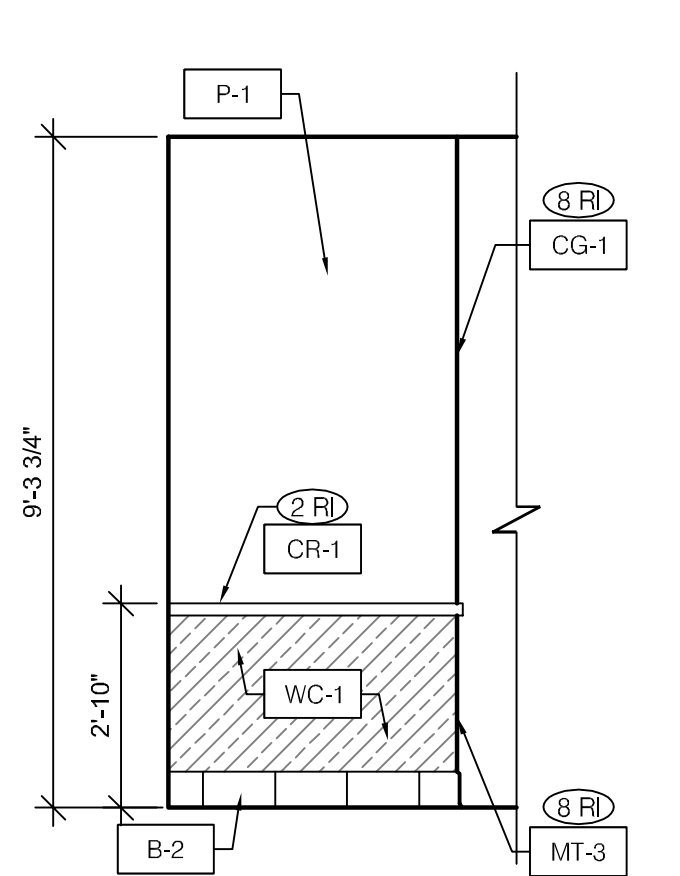
**VESTIBULE** 3/8" = 1'-0" **7**



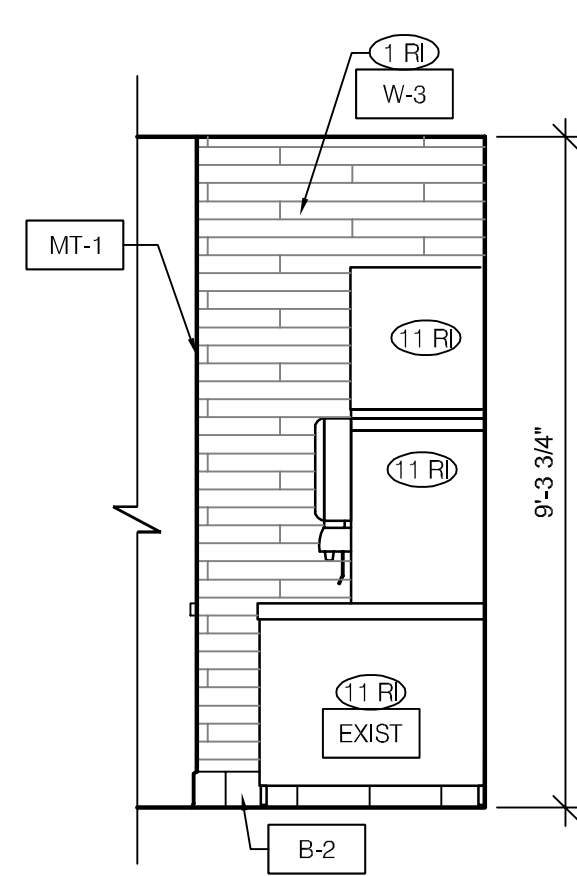
**VESTIBULE** 3/8" = 1'-0" **6**



**SIDE WALL** 3/8" = 1'-0" **5**



**DRINK PARTITION** 3/8" = 1'-0" **11**



**DRINK PARTITION** 3/8" = 1'-0" **10**

**REMODEL IMAGE (RI)**

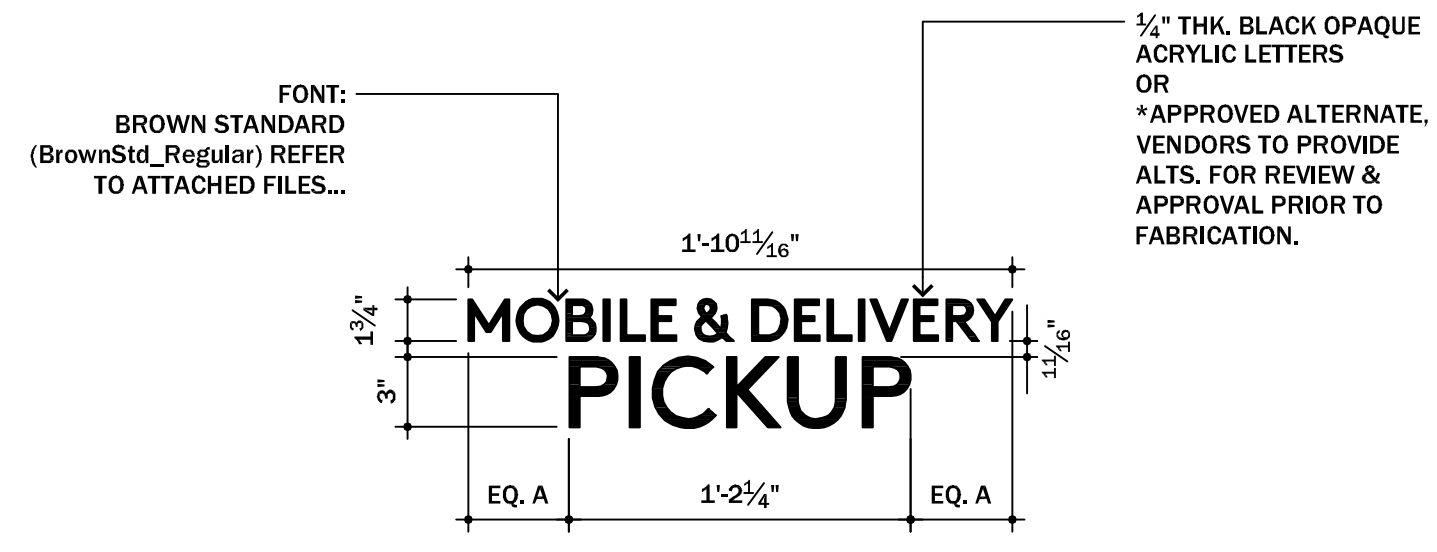
- (1 RI) INSTALL NEW WALL TILE. REFER FINISH SCHEDULE A7.2 FOR ADDITIONAL INFORMATION.
- (2 RI) NEW CHAIR RAIL. REFER TO DETAIL 13/A6.0 FOR ADDITIONAL INFORMATION.
- (3 RI) NEW GO MOBILE DELIVERY & PICKUP SHELF TO BE INSTALLED.
- (4 RI) PROVIDE CLEAR SILICONE CAULK WHERE ALL FIXED AND BUILT-IN COUNTERS/EQUIPMENT ABUT WALL SURFACES. WHERE GAP BETWEEN WALL AND COUNTER SPLASH/EQUIPMENT EXCEEDS 1/4", PROVIDE S.S. CLOSURE ANGLE.
- (5 RI) NEW PENDANT LIGHT FIXTURE. REFER TO REFLECTED CEILING PLAN A7.1 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- (6 RI) NEW SOLID SURFACE WINDOW SILL. REFER TO FINISH SCHEDULE A7.2 FOR ADDITIONAL INFORMATION.
- (7 RI) NEW SOLID SURFACE COUNTERTOP. REFER TO FINISH SCHEDULE A7.2 FOR ADDITIONAL INFORMATION.
- (8 RI) WALL CORNER GUARDS CG-1 AT GYP. & MT-3 AT WAINSCOT OUTSIDE CORNERS. REFER TO FINISH SCHEDULE A7.2 FOR ADDITIONAL INFORMATION.

- (9 RI) NEW SERVICE COUNTER. REFER TO A8.5 FOR ADDITIONAL INFORMATION.
- (10 RI) NEW SOFFIT, PAINT AS NOTED.
- (11 RI) G.C. TO REINSTALL EXISTING DRINK TABLE. PEPSI TECHNICIAN TO INSTALL NEW BEVERAGE MACHINE.
- (12 RI) NEW FRAMED ARTWORK.
- (13 RI) NEW GRAPHIC WALL MURAL. SAND WALL TO A LEVEL 4 FINISH PRIOR TO INSTALL.
- (14 RI) NEW STOREFRONT SYSTEM, DOOR AND WINDOW.
- (15 RI) NEW STOREFRONT SYSTEM, WINDOW.
- (16 RI) OUTLINE OF NEW SERVICE COUNTER SHOWN IN DASHED.
- (17 RI) NEW DIGITAL MENU BOARD. REFER TO SHEET A6.2 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

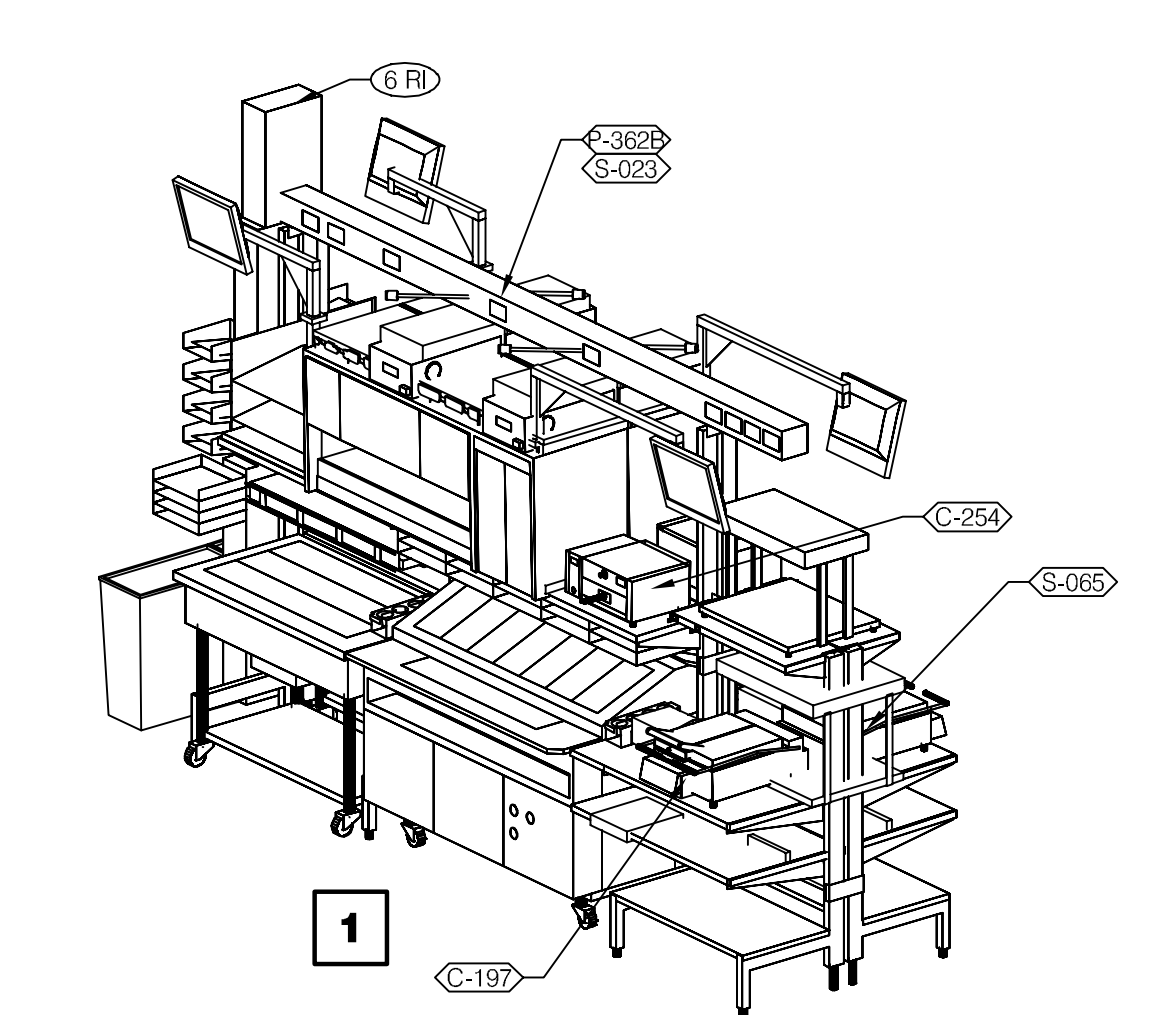
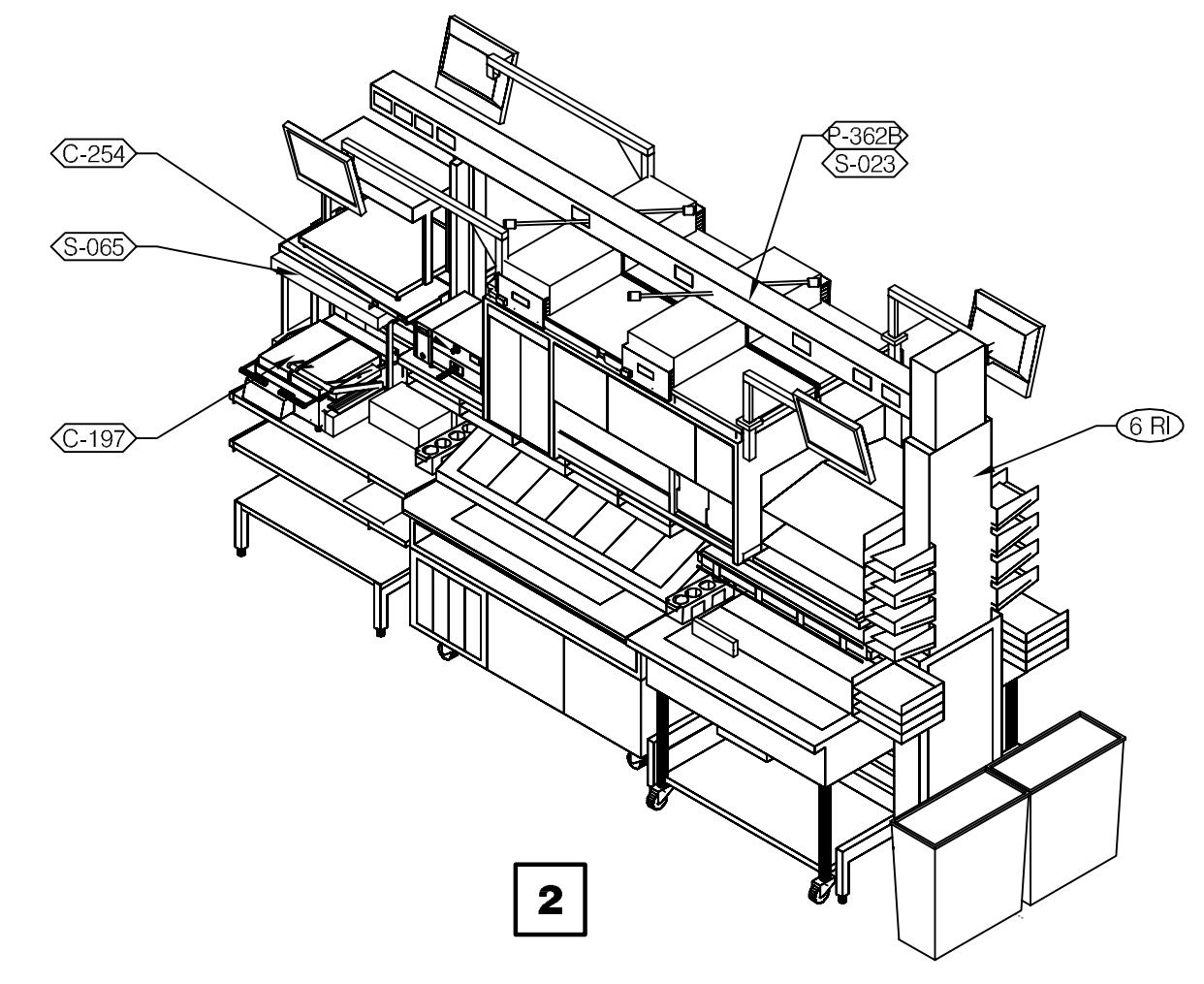
**ADA NOTES (AD)**

- (1 AD) ACCESSIBLE SIGNAGE. VERIFY LOCAL REQUIREMENTS. PROVIDE TACTILE EXIT SIGN AT EGRESS DOOR PER "TACTILE SIGN". REFER TO DETAIL ON ADA1.1 WHEN EXISTING IS NOT PROVIDED.
- (2 AD) ACCESSIBLE SIGNAGE. VERIFY LOCAL REQUIREMENTS. PROVIDE TACTILE SIGNAGE AT RESTROOM DOOR PER "TACTILE SIGN". REFER TO DETAIL ON ADA1.1 WHEN EXISTING IS NOT PROVIDED.
- (3 AD) INSTALL "ASK IF YOU NEED ASSISTANCE SIGN" CENTERED BETWEEN POS TERMINALS.

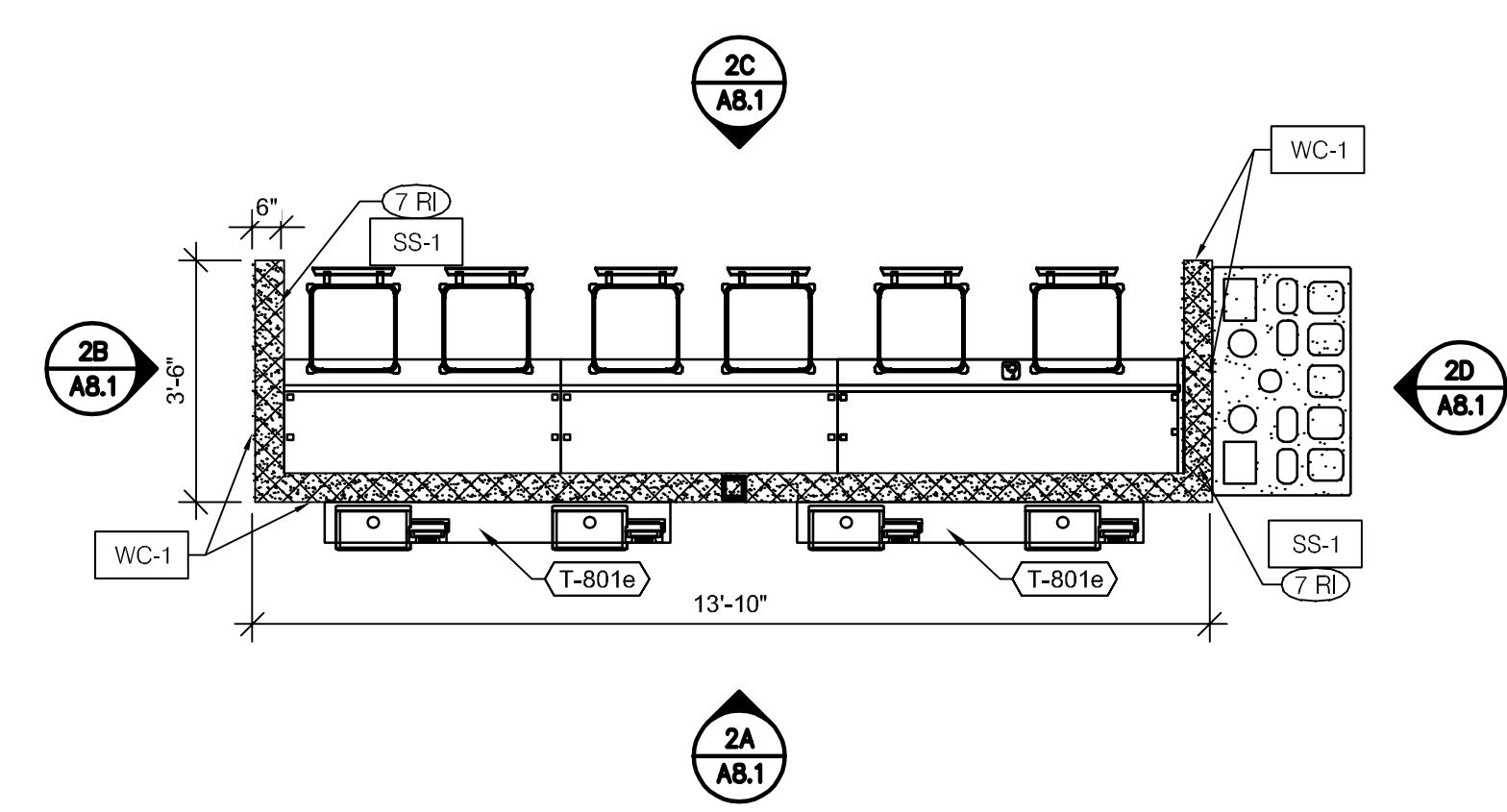
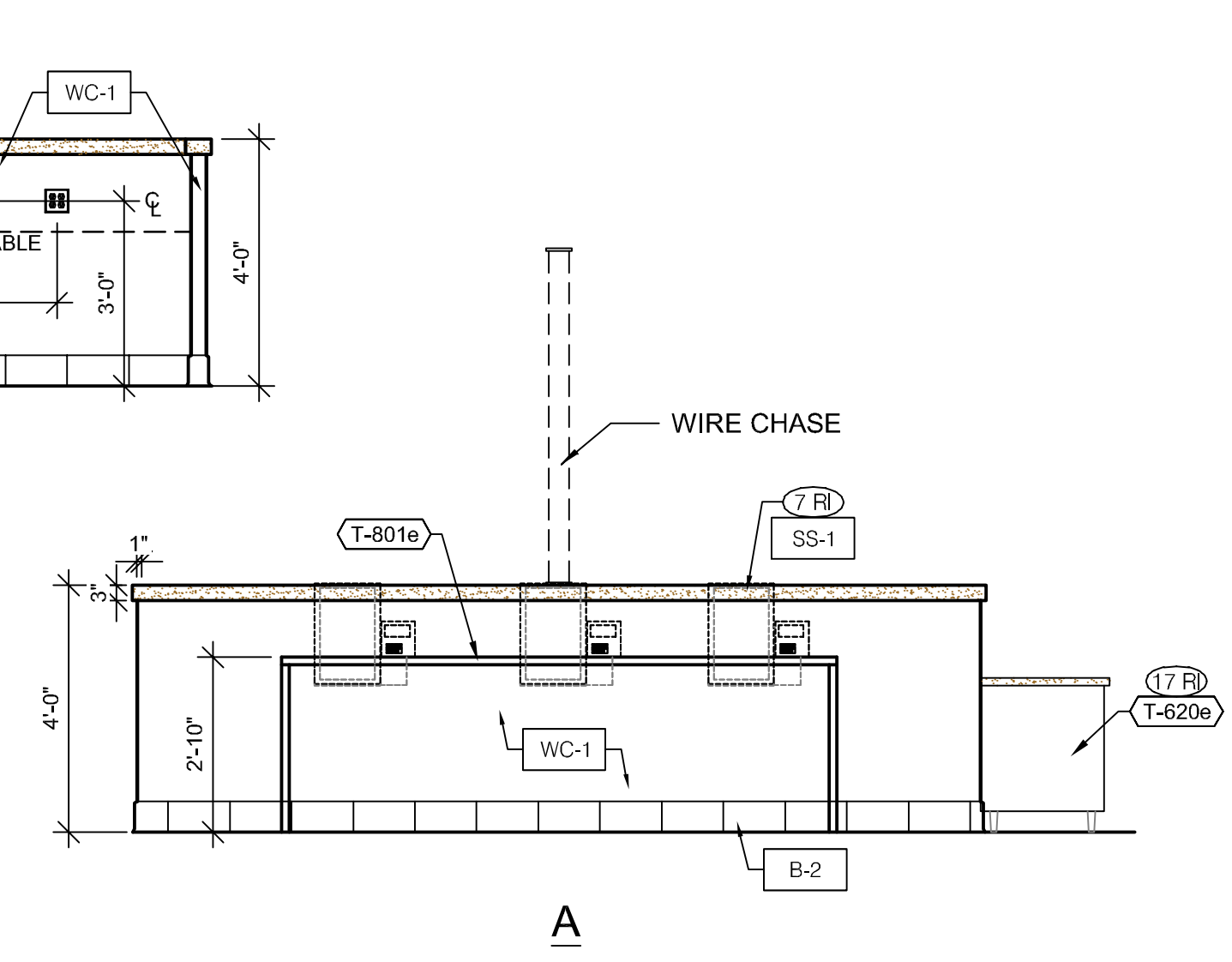
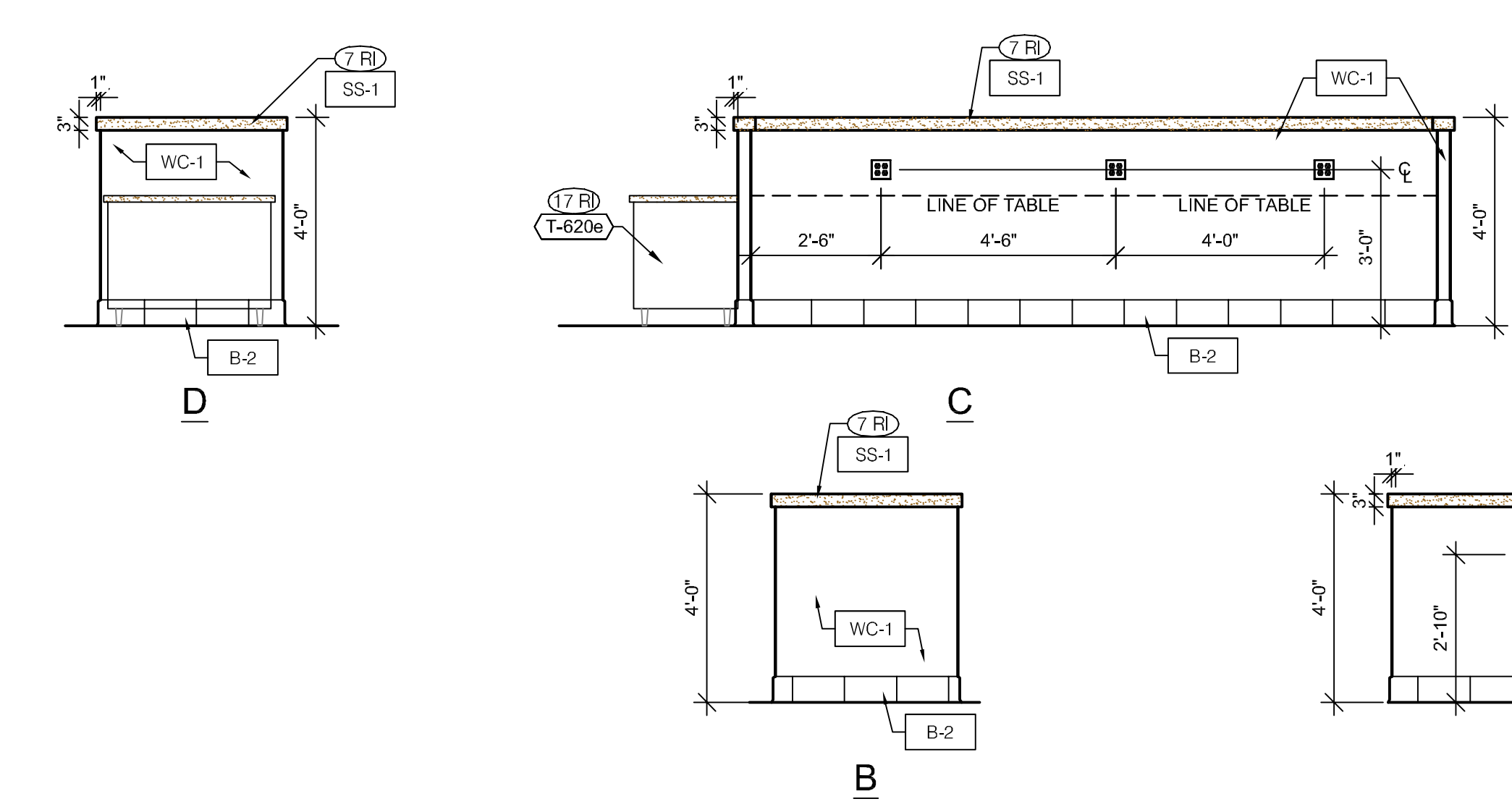
**KEY NOTES** **9**



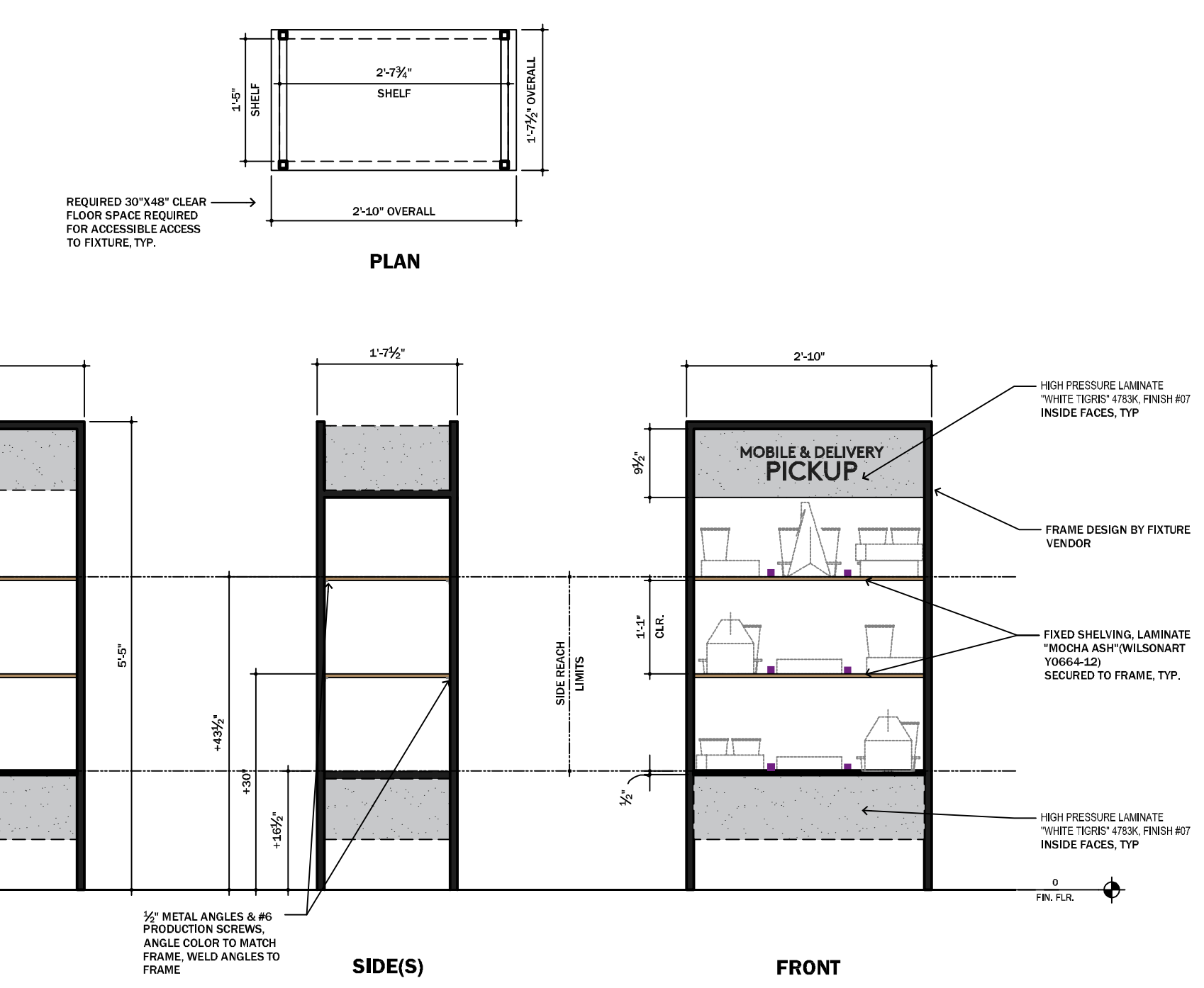
**MOBILE & DELIVERY PICKUP SHELF SIGNAGE** 1 1/2" = 1'-0" **6**



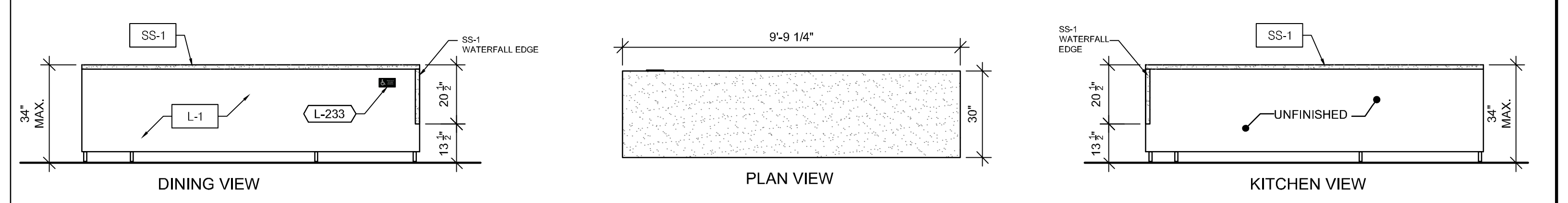
**GTO DUE LINE** 3/8" = 1'-0" **1**



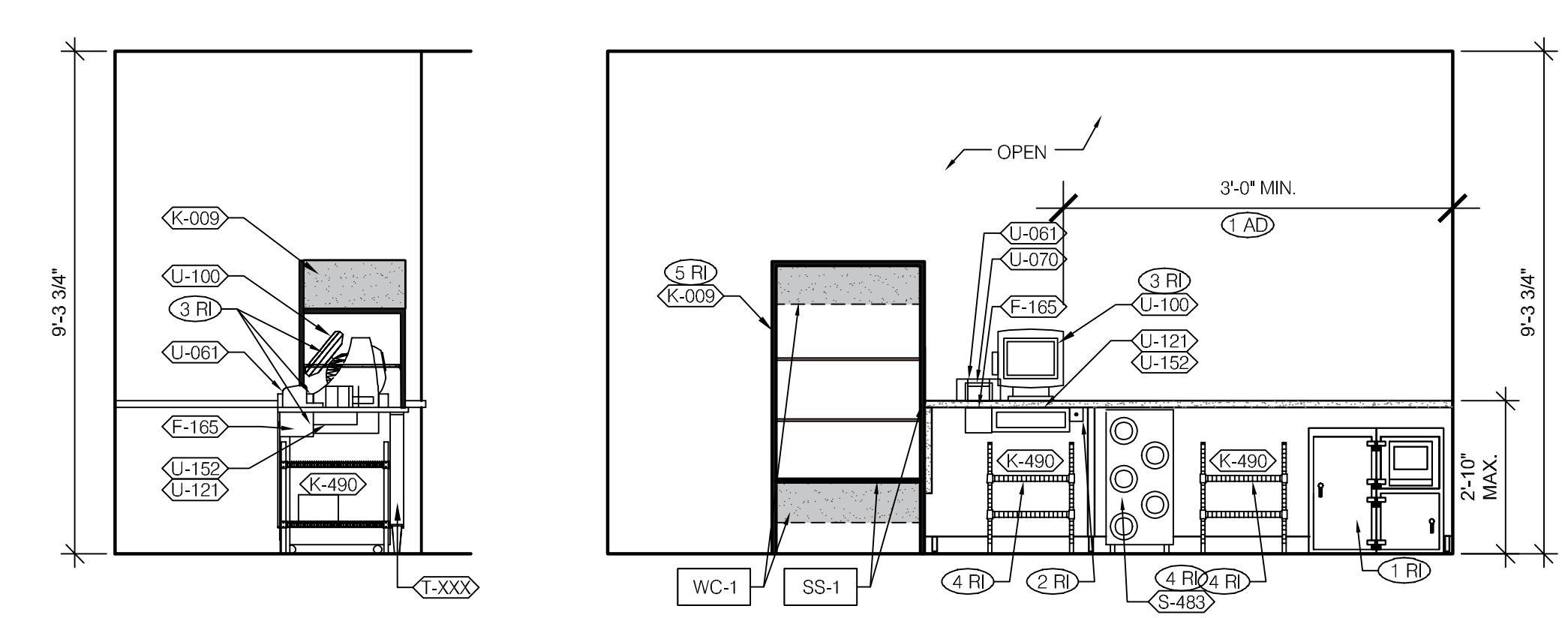
**BANQUETTE WALL** 3/8" = 1'-0" **2**



**9 HOLD MOBILE & DELIVERY PICKUP SHELF** N.T.S. **5**



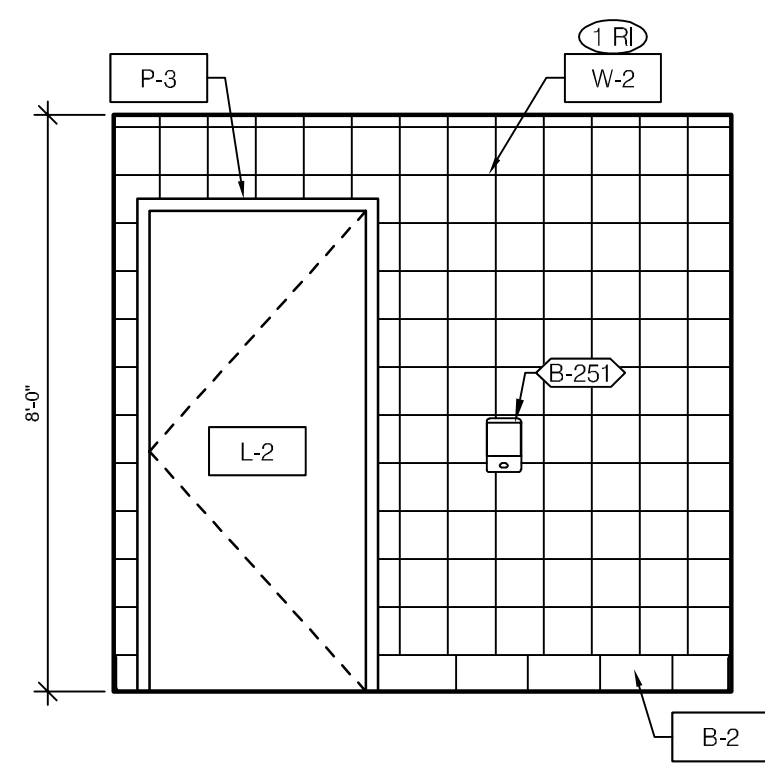
**SERVICE COUNTER DETAILS** 3/8" = 1'-0" **3**



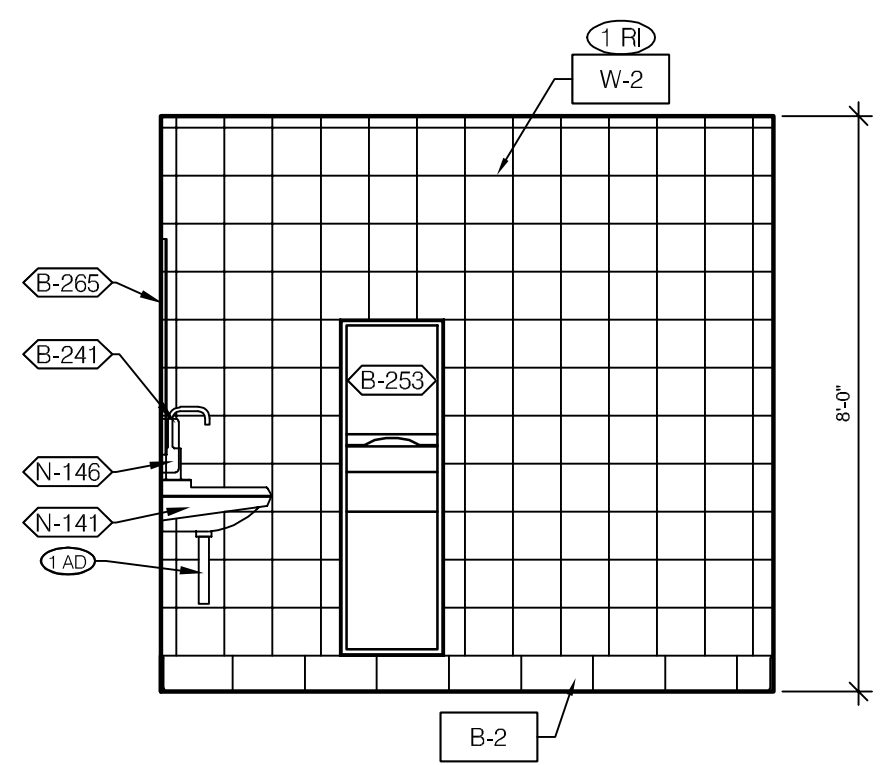
**SERVICE COUNTER** 3/8" = 1'-0" **4**

- REMODEL IMAGE (RI)**
- 1 RI EXISTING SAFE TO BE REINSTALLED BY BRINKS TECHNICIAN.
  - 2 RI NEW HOLD-UP BUTTON TO BE INSTALLED.
  - 3 RI NEW POS EQUIPMENT TO BE INSTALLED BY PAR.
  - 4 RI NEW SERVICE EQUIPMENT TO BE INSTALLED.
  - 5 RI NEW 9 HOLD MOBILE & PICKUP DELIVERY SHELF AT SERVICE COUNTER.
  - 6 RI UTILITY CHASE.
  - 7 RI NEW SOLID SURFACE COUNTERTOP. REFER TO FINISH SCHEDULE A7.2 FOR ADDITIONAL INFORMATION.
- ADA (AD)**
- 1 AD 3'-0" MIN CLEAR OPENING.

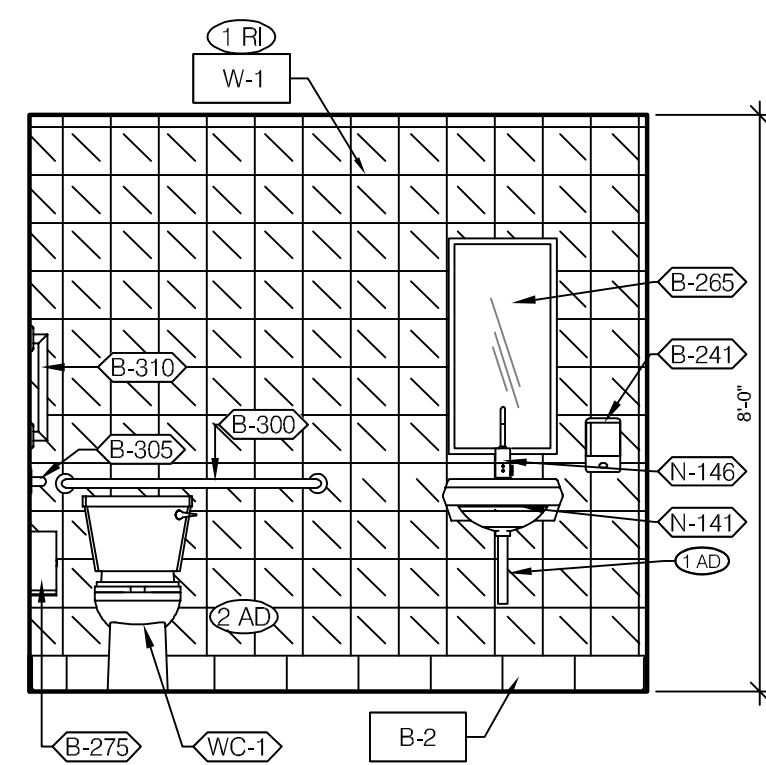
**KEY NOTES** **A**



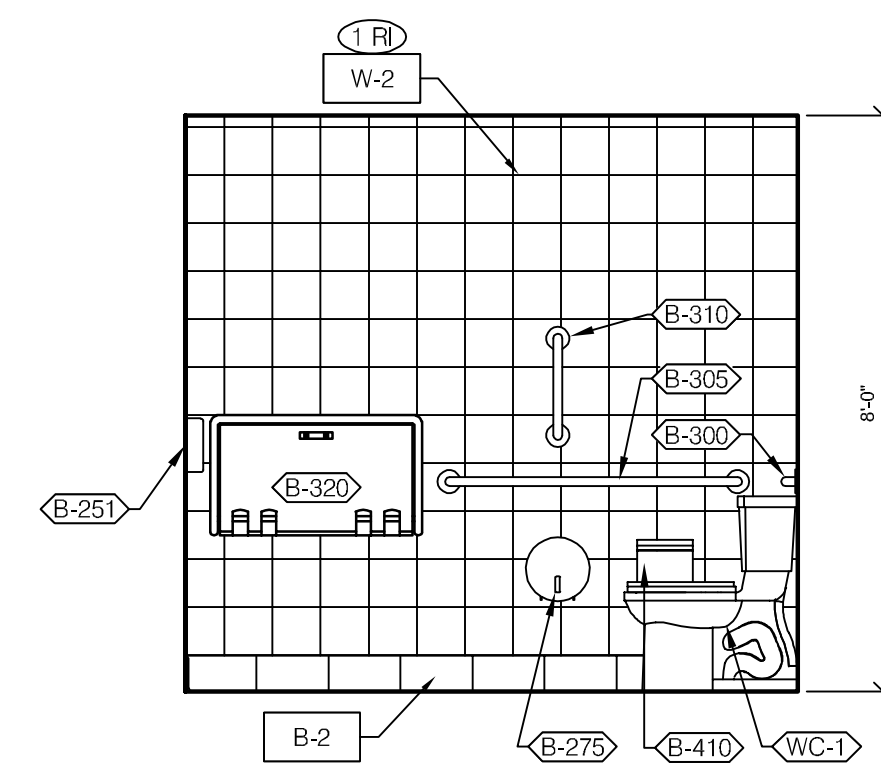
**WOMEN'S RESTROOM** 3/8" = 1'-0" **4**



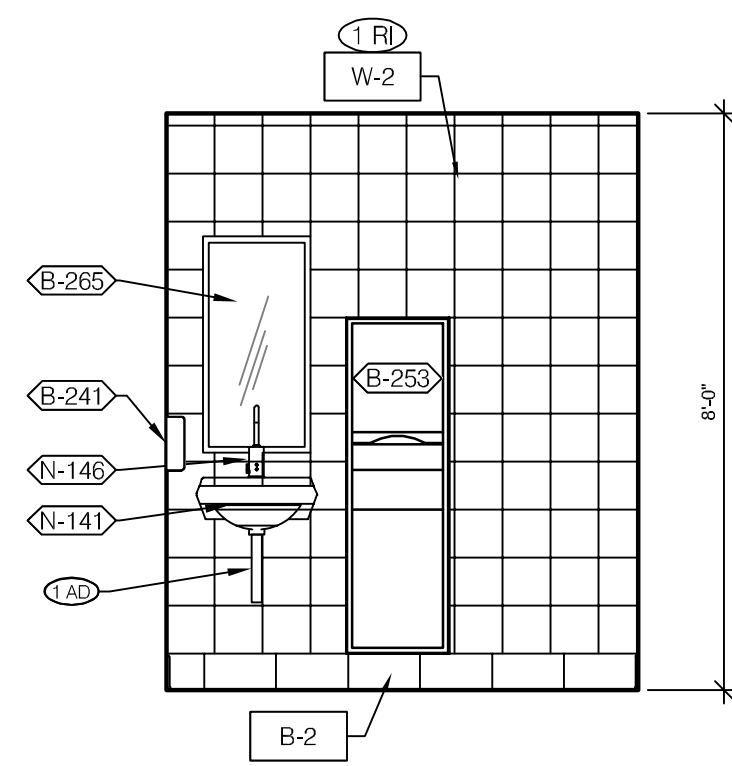
**WOMEN'S RESTROOM** 3/8" = 1'-0" **3**



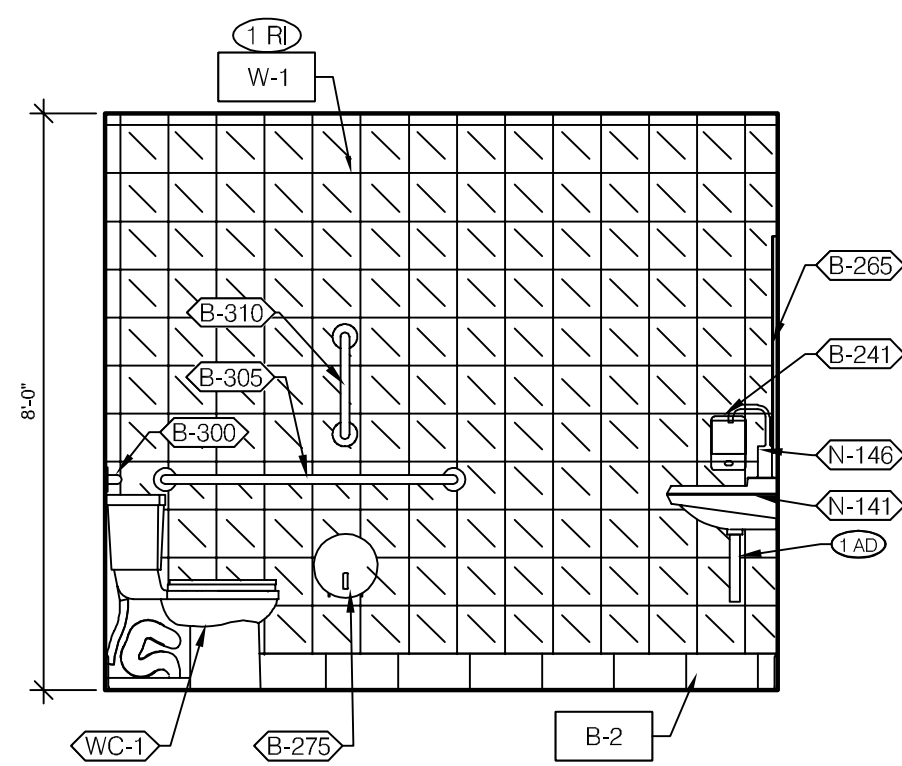
**WOMEN'S RESTROOM** 3/8" = 1'-0" **2**



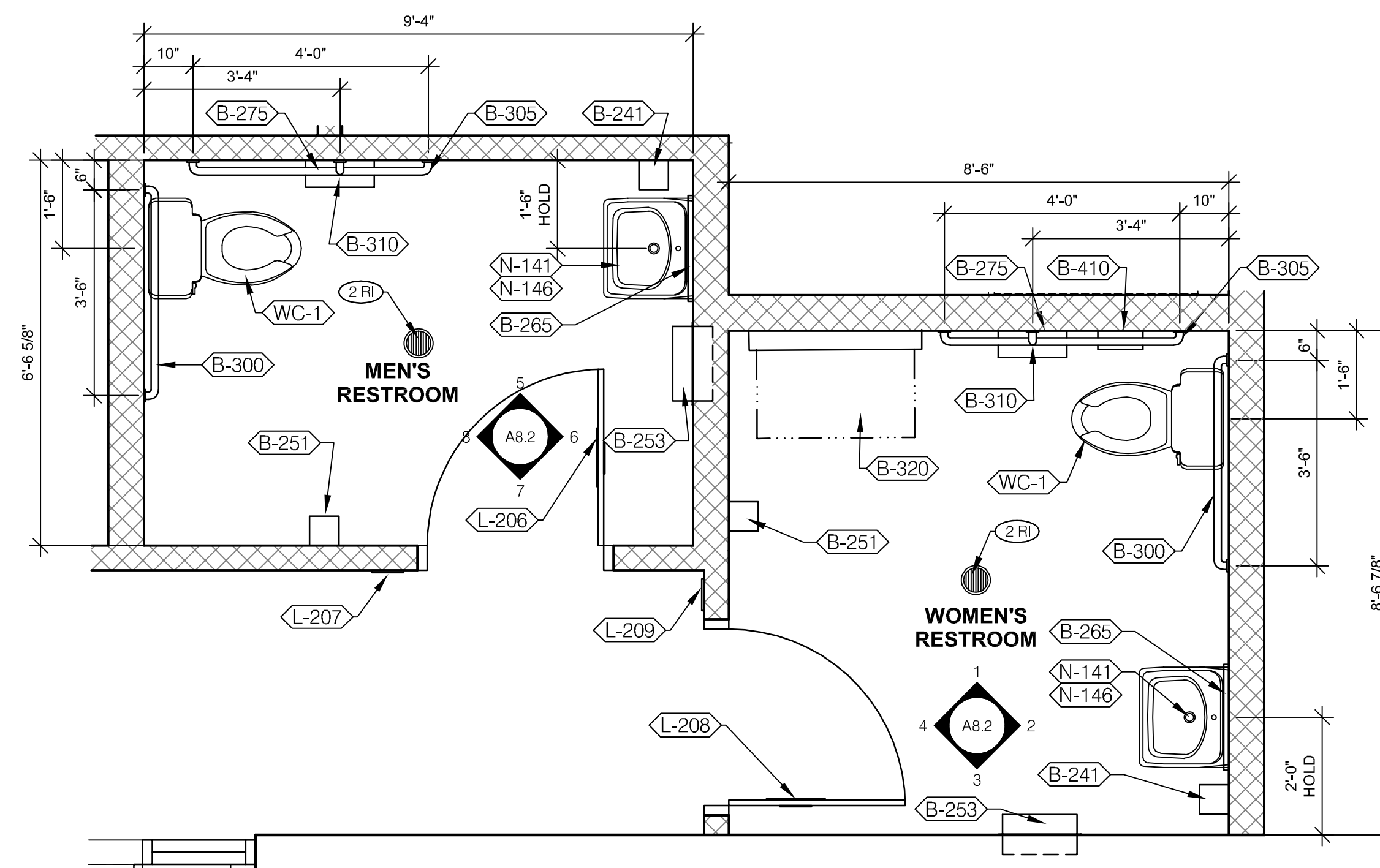
**WOMEN'S RESTROOM** 3/8" = 1'-0" **1**



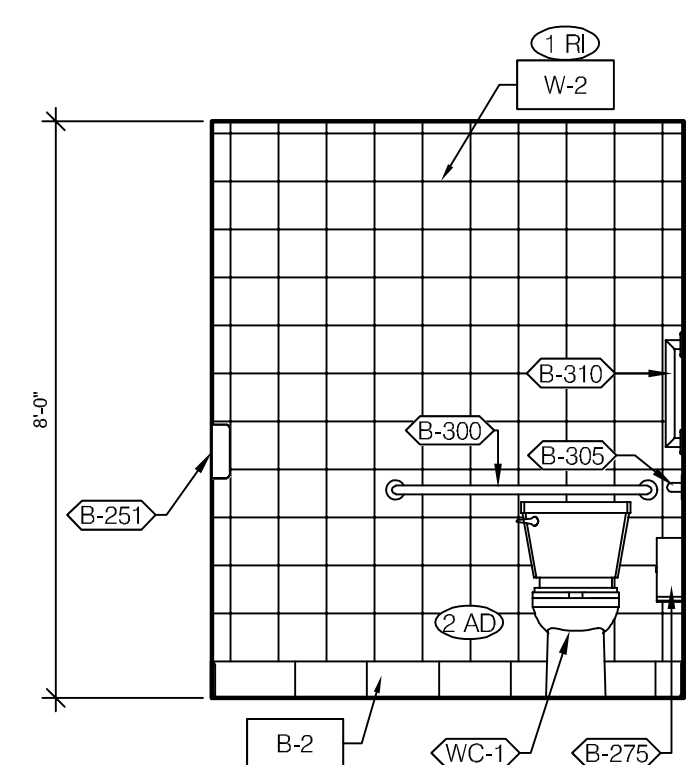
**MEN'S RESTROOM** 3/8" = 1'-0" **6**



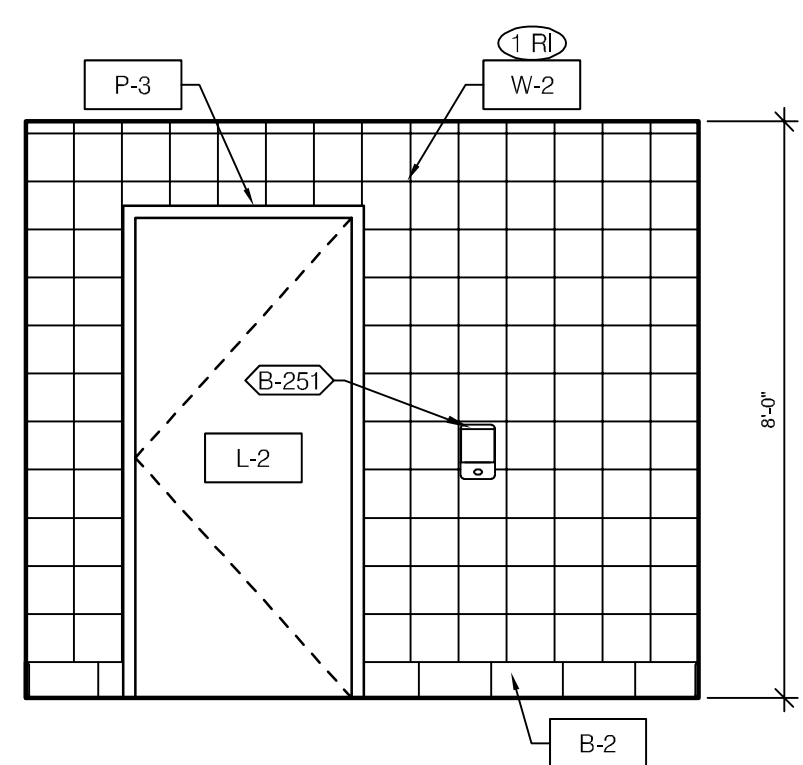
**MEN'S RESTROOM** 3/8" = 1'-0" **5**



**ENLARGED RESTROOM FLOOR PLAN** 1/2" = 1'-0" **A**



**MEN'S RESTROOM** 3/8" = 1'-0" **8**



**MEN'S RESTROOM** 3/8" = 1'-0" **7**

1. PROVIDE PROPER 2x BLOCKING AT WALL RECESSED MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO SHEET ADA1.0.
3. REFER TO FLOOR PLAN NOTES ON SHEET A1.0 FOR BLOCKING AND SUBSTRATE NOTES.
4. LOCATE FLUSH HANDLE ON WIDE SIDE OF STALL.
5. PROVIDE WALL TILE BEHIND ENTIRE MIRROR AREA TO ALIGN MOUNTING SURFACES.
6. REFER TO ACCESSIBILITY CODES FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURES.
7. ALL DIMENSIONS ON THIS DRAWING ARE TO FINISH SURFACE.
8. PROVIDE 5/8" CEMENTITIOUS BOARD SUBSTRATE FULL HEIGHT BEHIND ALL NEW TILED WALLS.
9. PROVIDE 1/4" MAX GAP AT ALL TOILET PARTITION PANEL JOINTS.
10. [X-XX] DENOTES FINISH MATERIAL. REFER TO SHEET A7.2 FOR FINISH SCHEDULE.
11. [X-XXX] DENOTES NEW TOILET ROOM ACCESSORIES.

**GENERAL NOTES** **D**

**REMODEL IMAGE (RI)**

(1 RI) WALL TILE AS NOTED. REFER TO GENERAL NOTE #8 FOR ADDITIONAL INFORMATION.

(2 RI) MODIFY FLOOR DRAINS, PROVIDE SMOOTH TRANSITION. FLOORING NOT TO EXCEED 2% SLOPE IN ANY DIRECTION.

**ADA (AD)**

(1 AD) INSTALL ALL PIPE WRAP ON ALL EXPOSED DRAIN AND SUPPLY LINES.

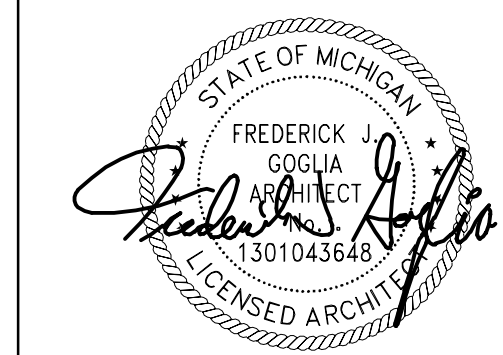
(2 AD) INSTALL FLUSH VALVE ON WIDE SIDE OF TOILET STALL.

**KEY NOTES** **C**

EQ #	QUANTITY	DESCRIPTION	MFR & MODEL NO.
B-241	2	SOAP DISPENSER (WALL MOUNTED)	KAY 3741
B-251	2	SANITIZER DISPENSER (WALL MOUNT)	KAY 3741
B-265	2	MIRROR, 18" x 36"	BOBRICK K# B-165-1836
B-275	2	TOILET PAPER DISPENSER	BOBRICK K# B-2890
B-253	2	PAPER TOWEL DISPENSER / TRASH 12 GALLON	BOBRICK K# B-3944
B-300	2	42" GRAB BAR	BOBRICK B-6806x42
B-305	2	48" GRAB BAR	BOBRICK B-6806x48
B-310	2	VERTICAL GRAB BAR 1-1/2" DIA X 18" S.S. FIN.	BOBRICK B-6806x18
B-320	1	BABY CHANGING STATION	
B-410	1	SANITARY NAPKIN RECEPTACLE	RUBBER MAID#6140
L-206	1	SIGN- TACO BELL RESTROOM MEN'S TRIANGLE 12" X 12"	REFER TO TACOBELLPLANS.COM/LIBRARY/SIGNS FOR ADDITIONAL RESTROOM SIGN OPTIONS
L-207	1	SIGN- TACO BELL RESTROOM MEN WITH BRAILLE 10" X 6.5"	REFER TO TACOBELLPLANS.COM/LIBRARY/SIGNS FOR ADDITIONAL RESTROOM SIGN OPTIONS
L-208	1	SIGN- TACO BELL RESTROOM WOMEN'S CIRCLE 12" X 12"	REFER TO TACOBELLPLANS.COM/LIBRARY/SIGNS FOR ADDITIONAL RESTROOM SIGN OPTIONS
L-209	1	SIGN- TACO BELL RESTROOM WOMEN WITH BRAILLE 10" X 6.5"	REFER TO TACOBELLPLANS.COM/LIBRARY/SIGNS FOR ADDITIONAL RESTROOM SIGN OPTIONS
N-141	2	WHITE VITREOUS CHINA WALL MOUNTED LAVATORY WITH ACCESSORIES	AMERICAN STANDARD BRANDS - SEE PLUMBING
N-146	2	FAUCET (RESTROOMS) - BATTERY POWERED - SLOAN	T&S FAUCET B-0831-WA, FRANCHISE OPTION N-134; T&S B-2465 - SEE PLUMBING
WC-1	2	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK TOILET WITH ACCESSORIES - ADA COMPLAINT	KOHLER COMPANY; REFER TO PLUMBING DRAWINGS
B-320	1	BABY CHANGING TABLE	

NOTE TO GC:  
REFER SHEET ADA 1.0 FOR MOUNTING HEIGHTS AND CLEARANCES.

**RESTROOM FIXTURE SCHEDULE** **B**



10/27/22

CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCOR  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

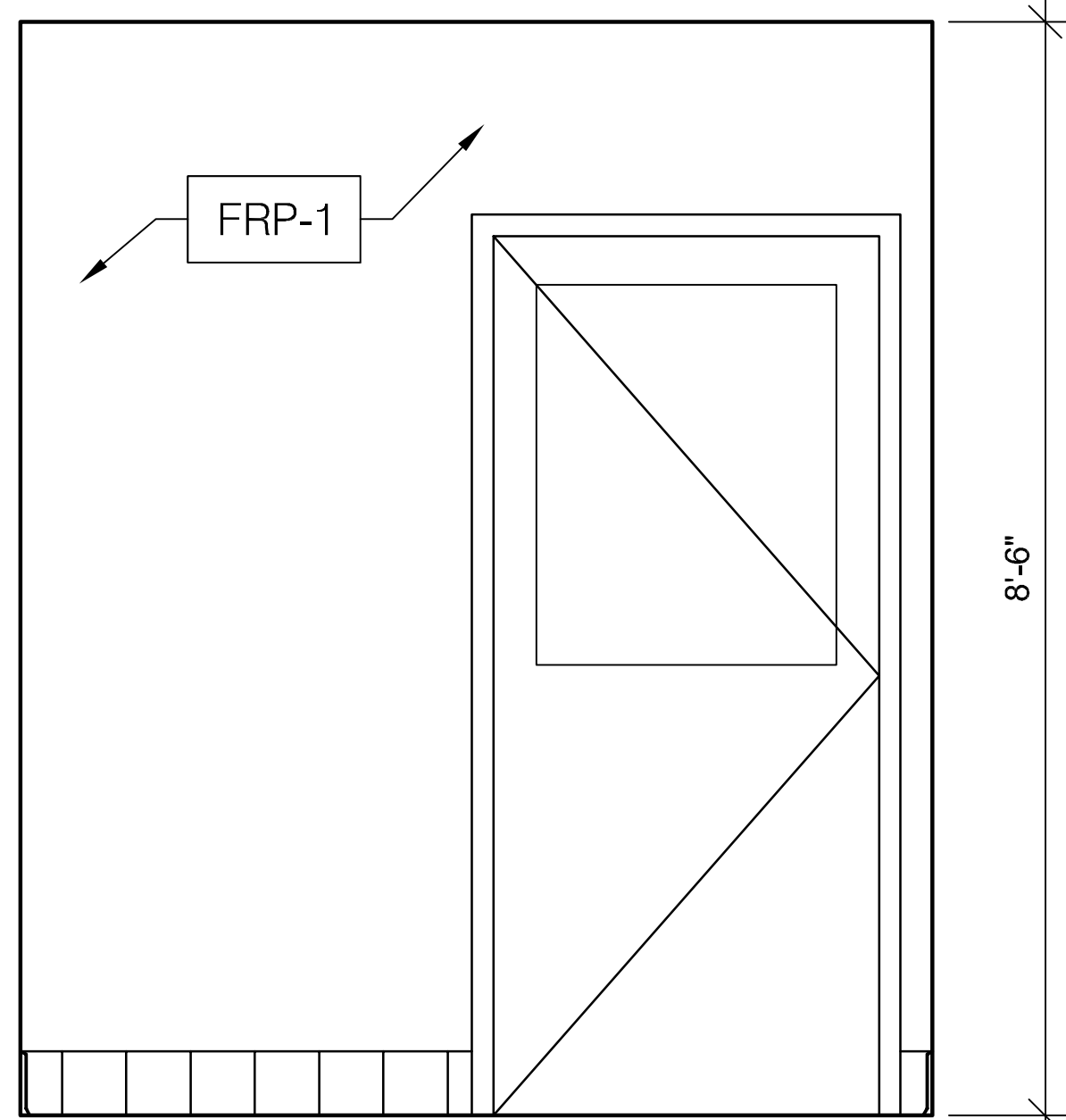
TACO BELL  
28993 FORD ROAD  
GARDEN CITY, MI 48135



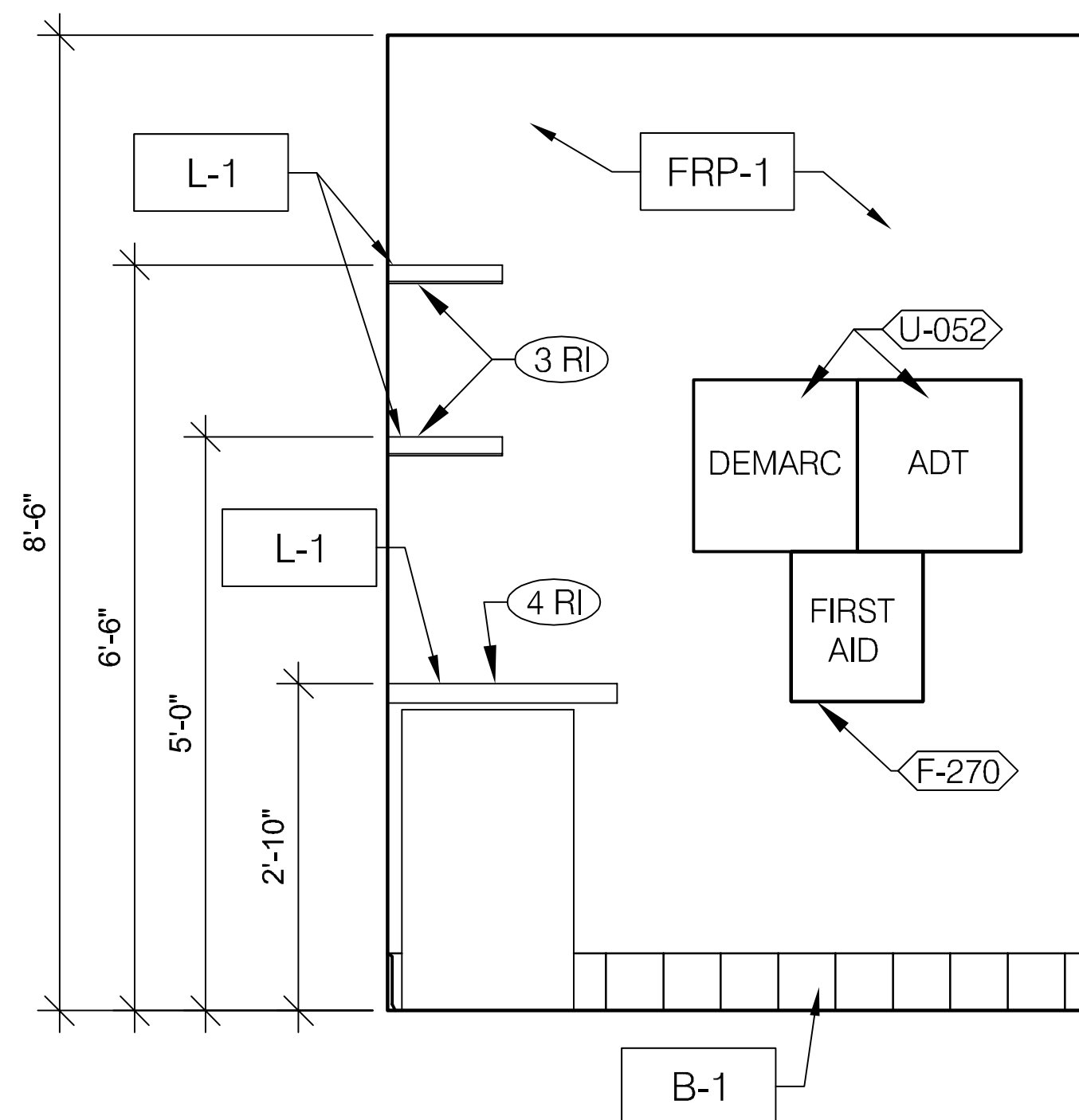
**INTERIOR ELEVATIONS AND RESTROOM PLAN**

**A8.2**

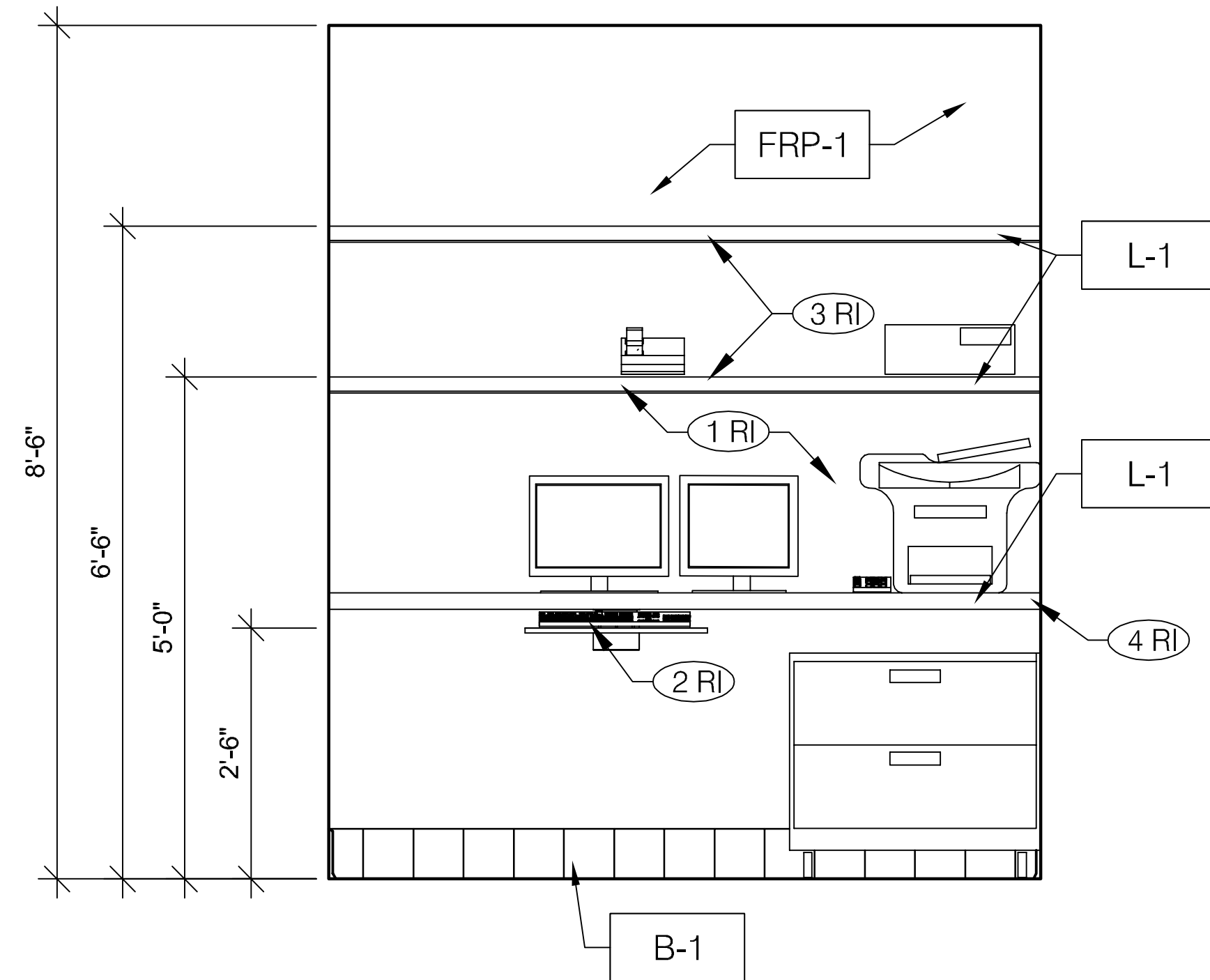
R0 SET ISSUED: 10.25.22



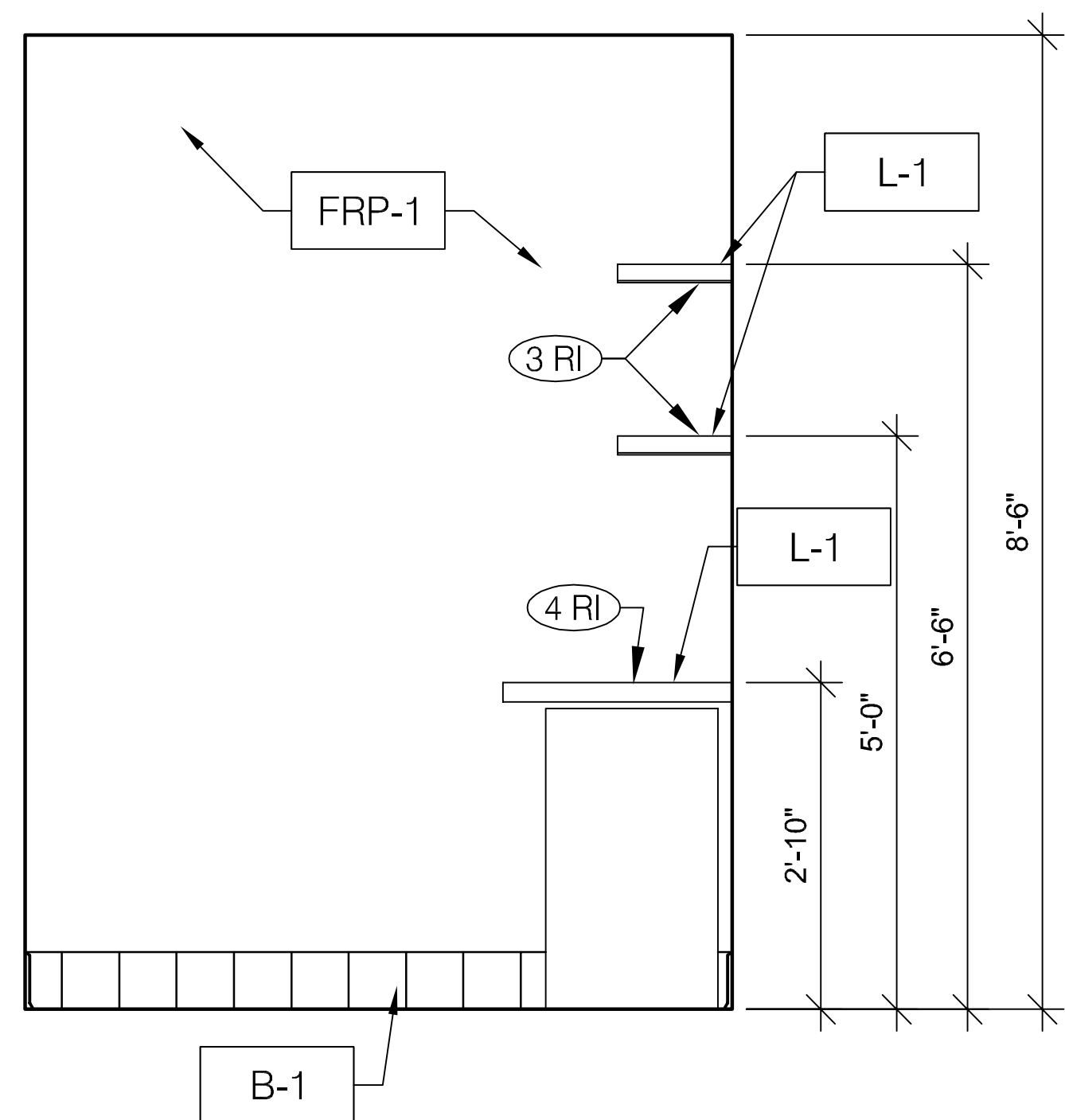
OFFICE ELEVATION 3/4" = 1'-0" 3



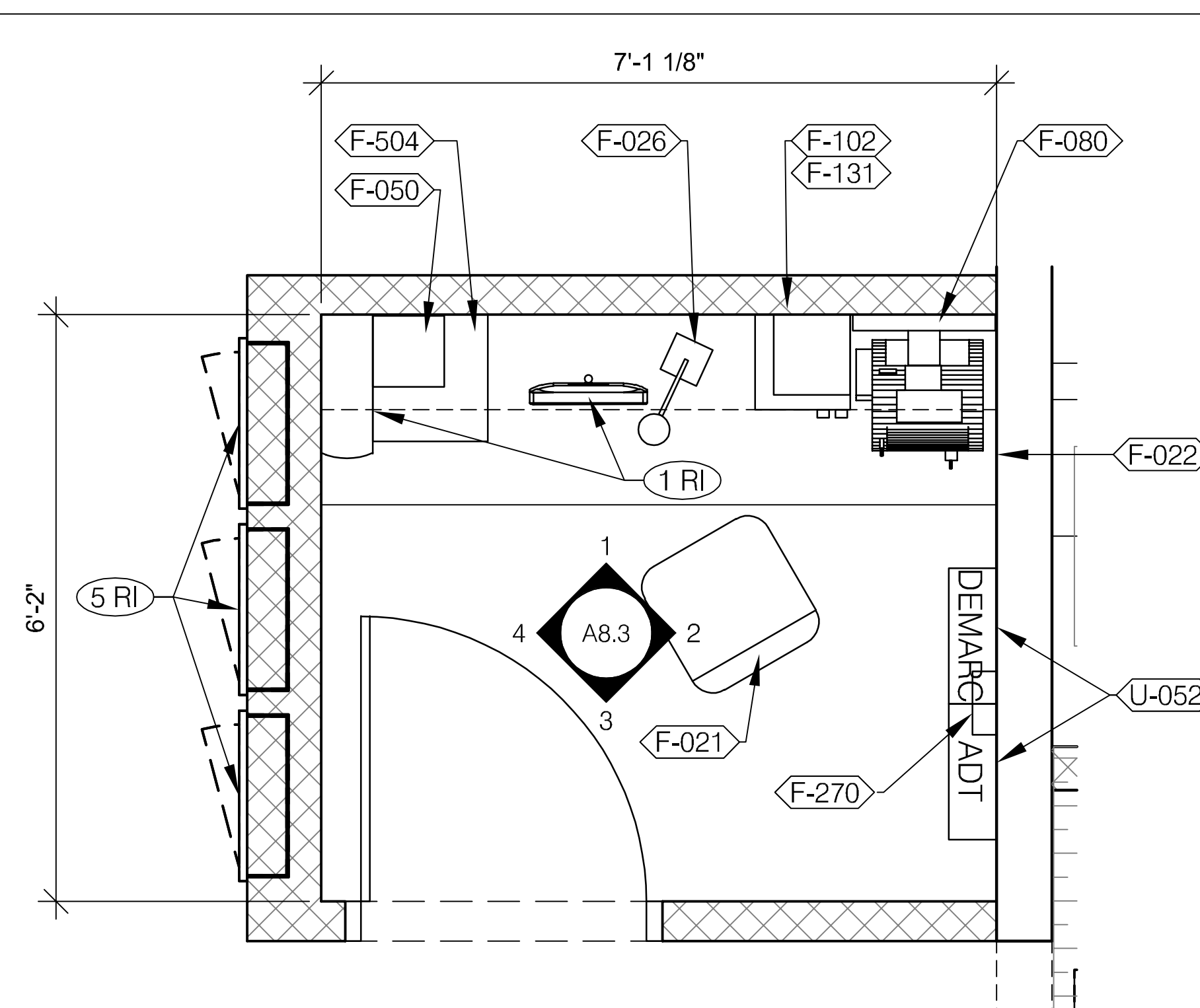
OFFICE ELEVATION 3/4" = 1'-0" 2



OFFICE ELEVATION 3/4" = 1'-0" 1



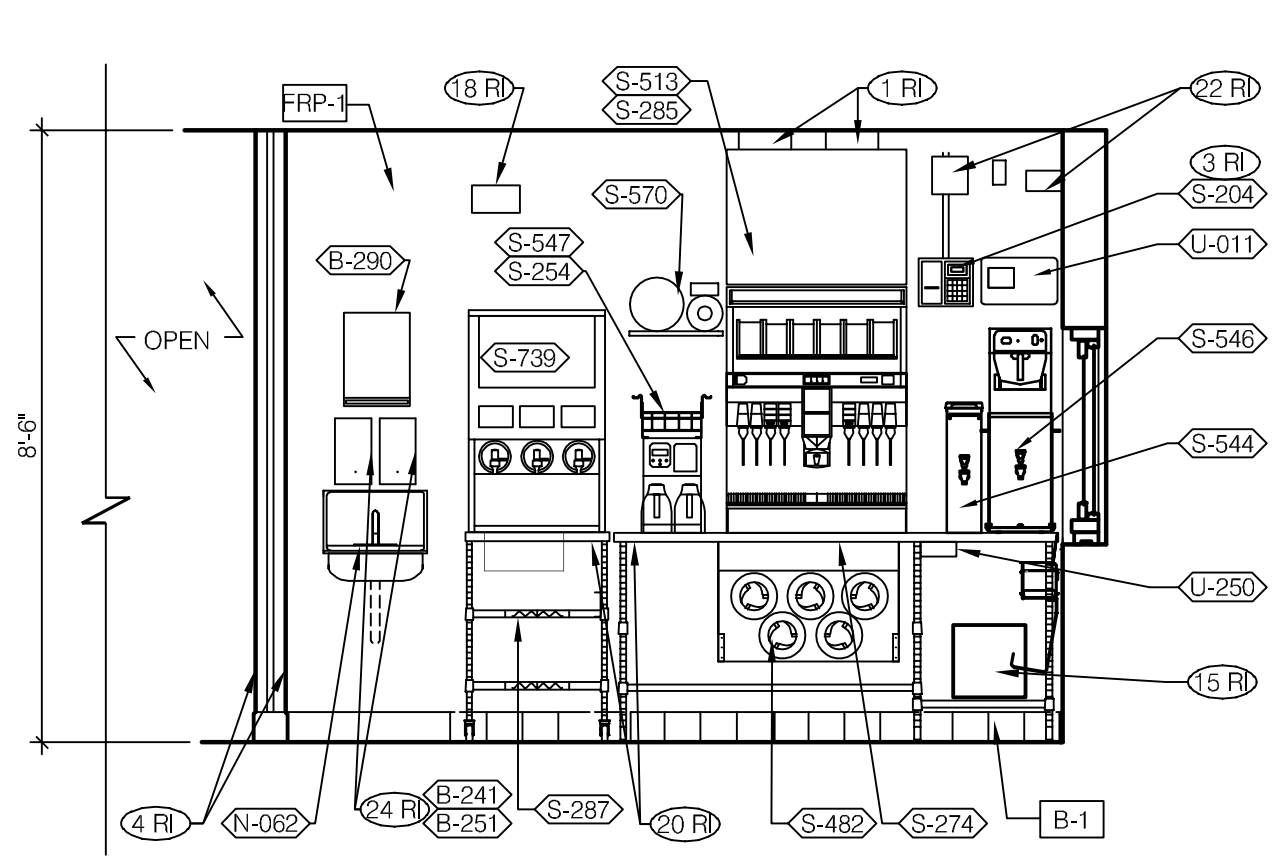
OFFICE ELEVATION 3/4" = 1'-0" 4



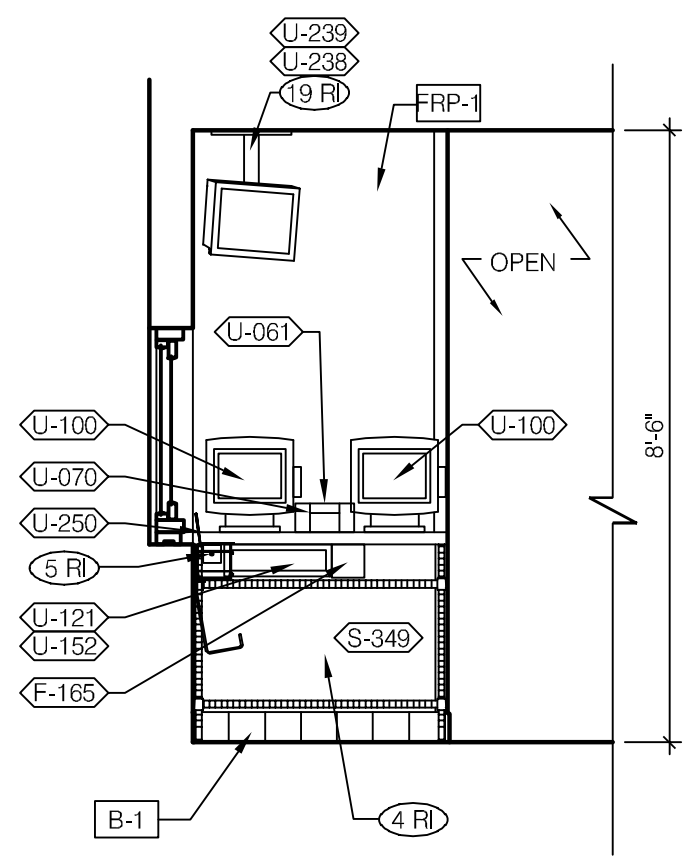
ENLARGED OFFICE FLOOR PLAN 3/4" = 1'-0" B

- REMODEL IMAGE (RI)
- (1 RI) EXISTING PC AND TABLET TO BE DISCONNECTED, STORED, AND REINSTALLED BY PAR TECHNICIAN. ALL OTHER OFFICE EQUIPMENT TO BE REMOVED.
  - (2 RI) UNDER COUNTER KEYBOARD TRAY.
  - (3 RI) SHELF BY G.C. - FINISH WITH PLASTIC LAMINATE (L-1). REFER TO FINISH SCHEDULE A7.2 FOR ADDITIONAL INFORMATION.
  - (4 RI) COUNTER BY G.C. - FINISH WITH PLASTIC LAMINATE (L-1). REFER TO FINISH SCHEDULE A7.2 FOR ADDITIONAL INFORMATION.
  - (5 RI) NEW ELECTRIC PANEL. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

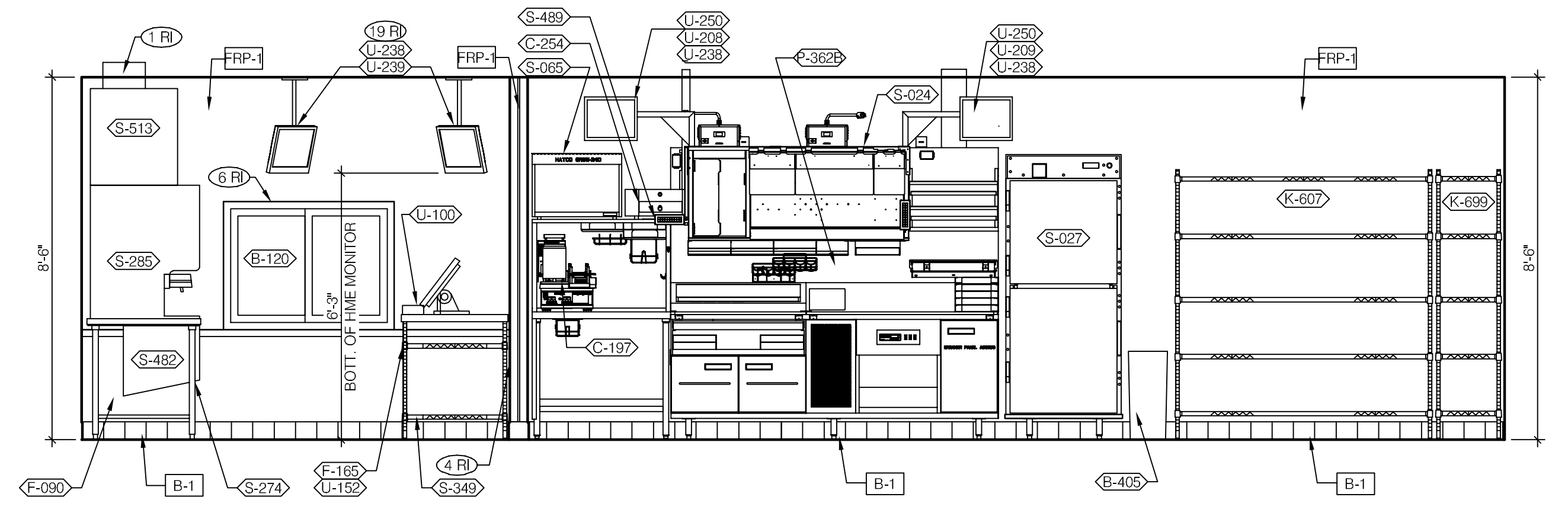
KEY NOTES A



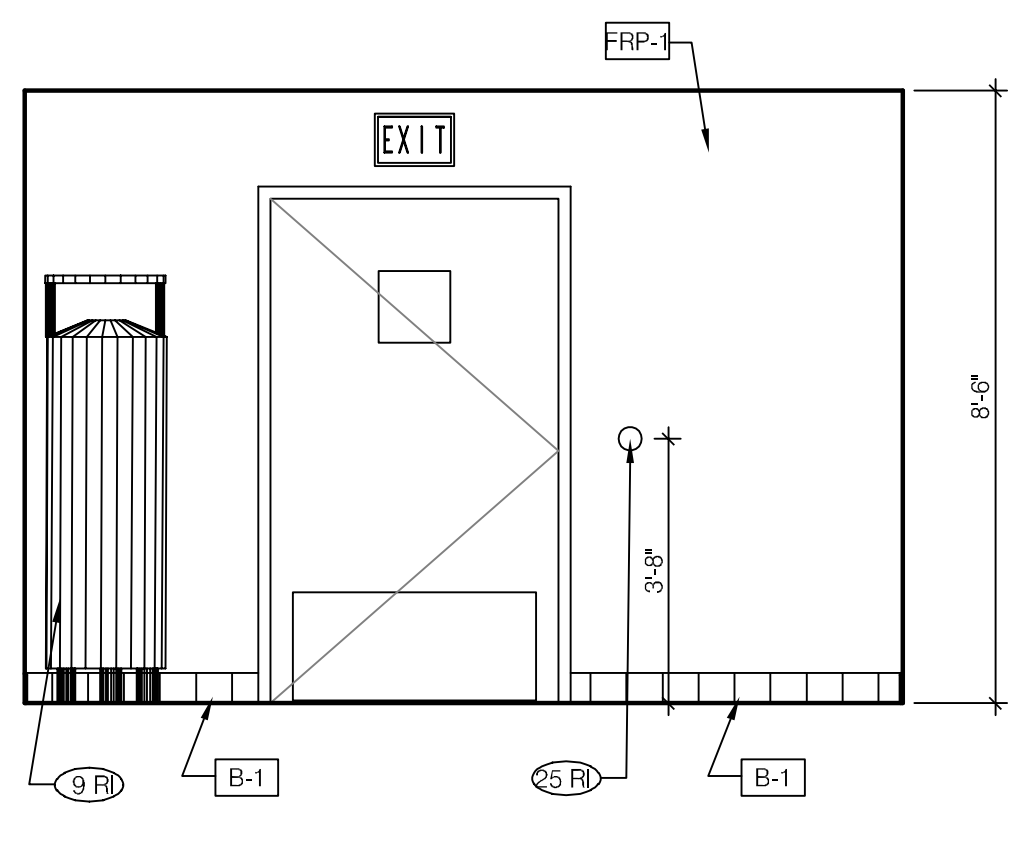
**DRIVE-THRU** 3/8" = 1'-0" **3**



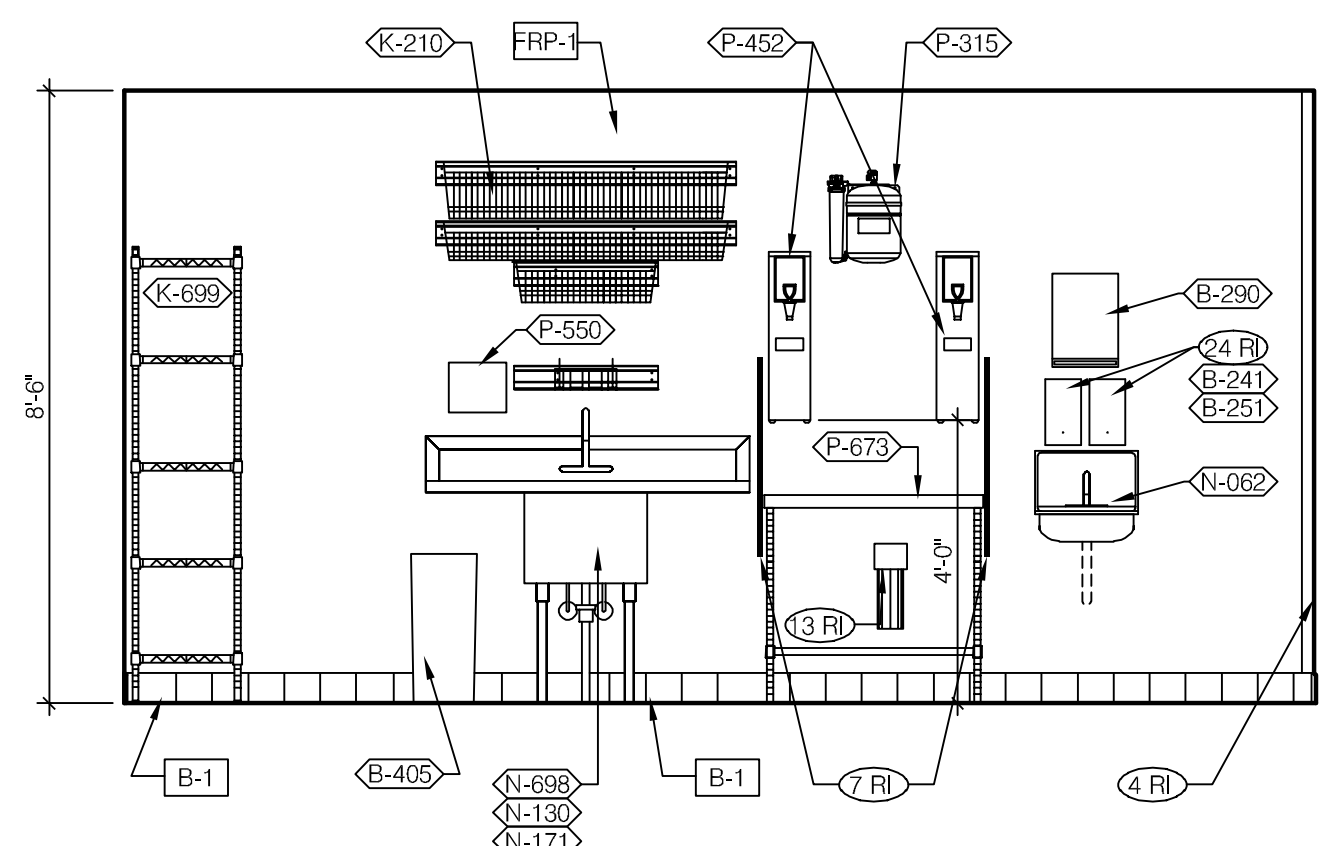
**DRIVE-THRU** 3/8" = 1'-0" **2**



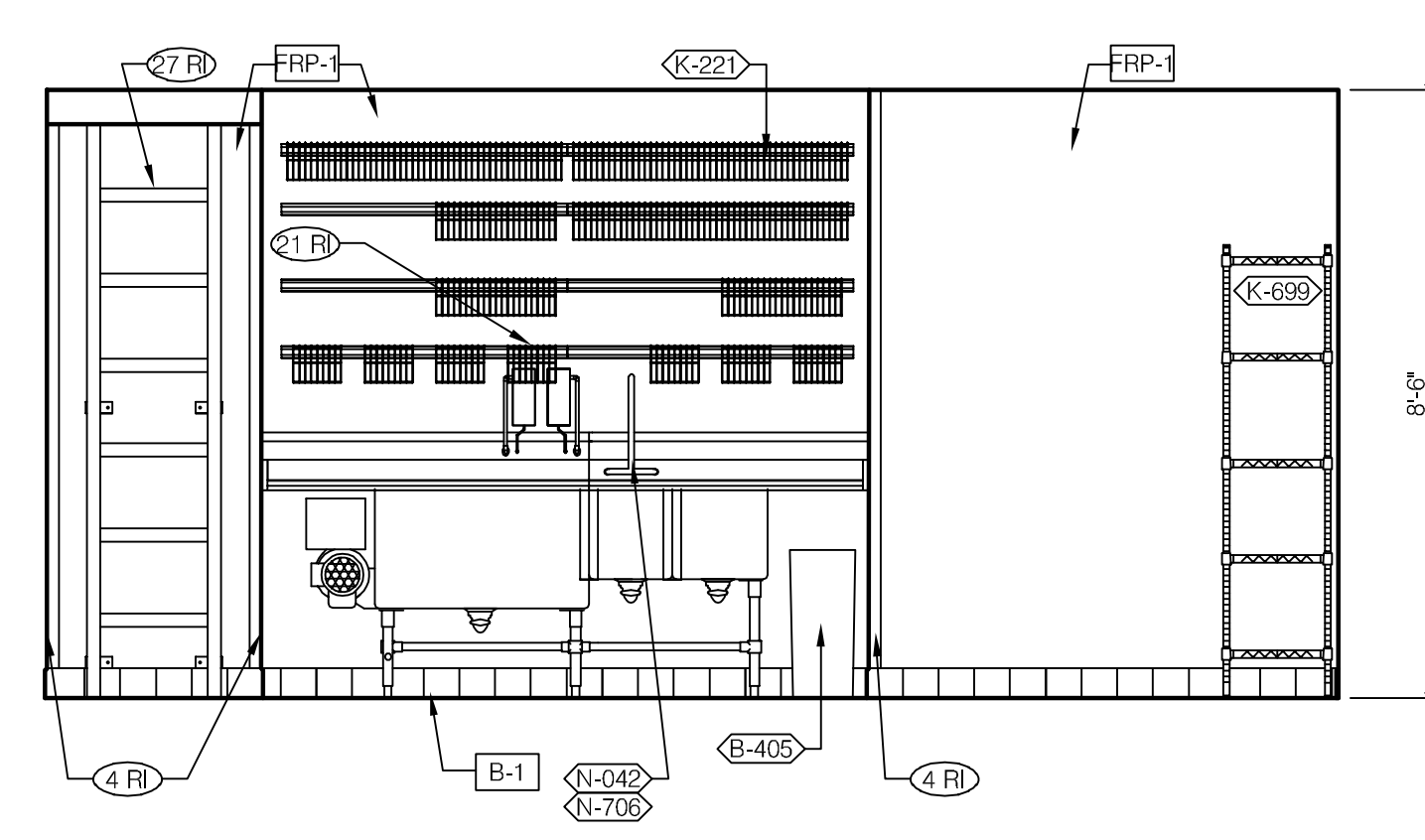
**DRIVE-THRU/PRODUCTION LINE** 3/8" = 1'-0" **1**



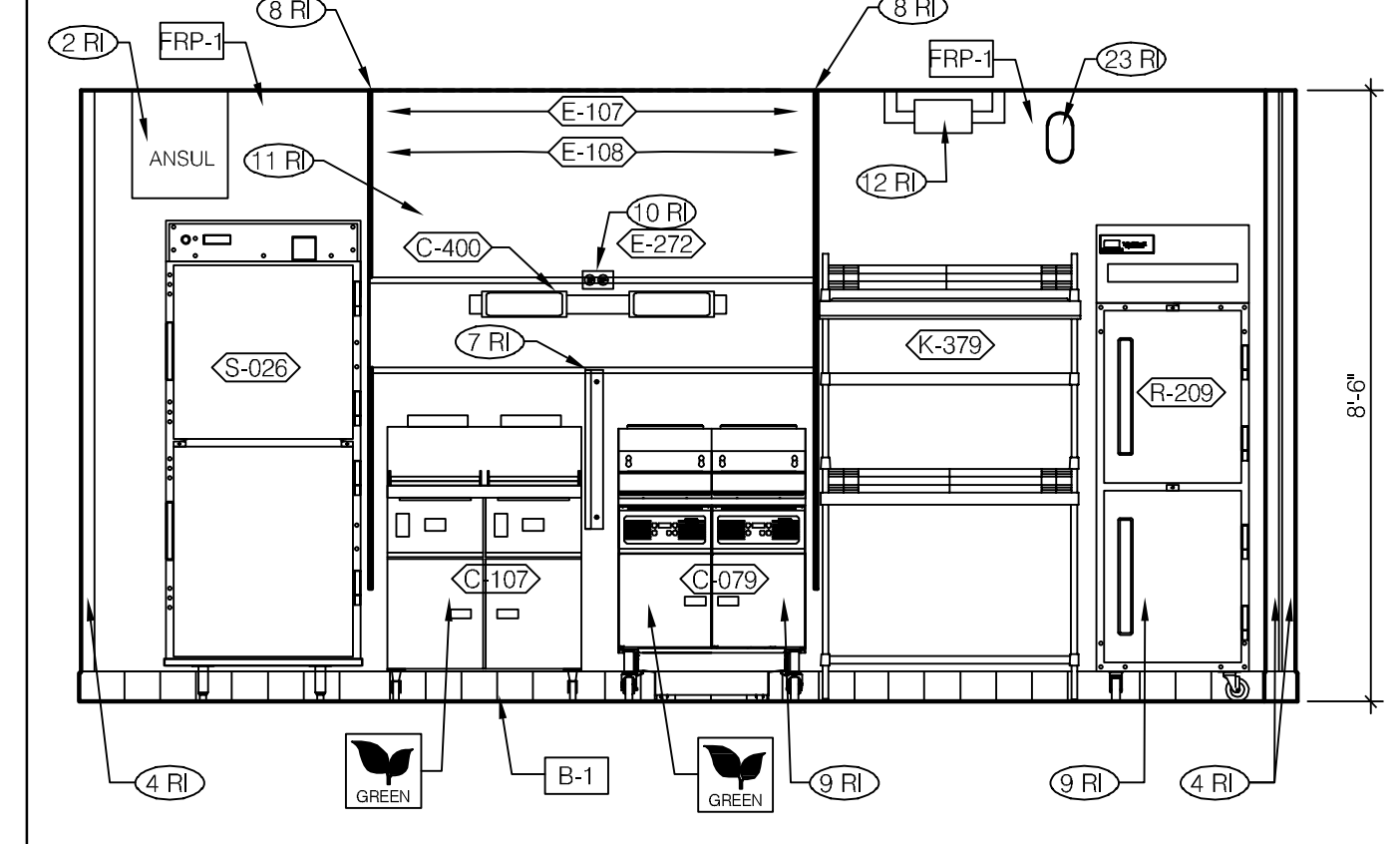
**SERVICE DOOR** 3/8" = 1'-0" **7**



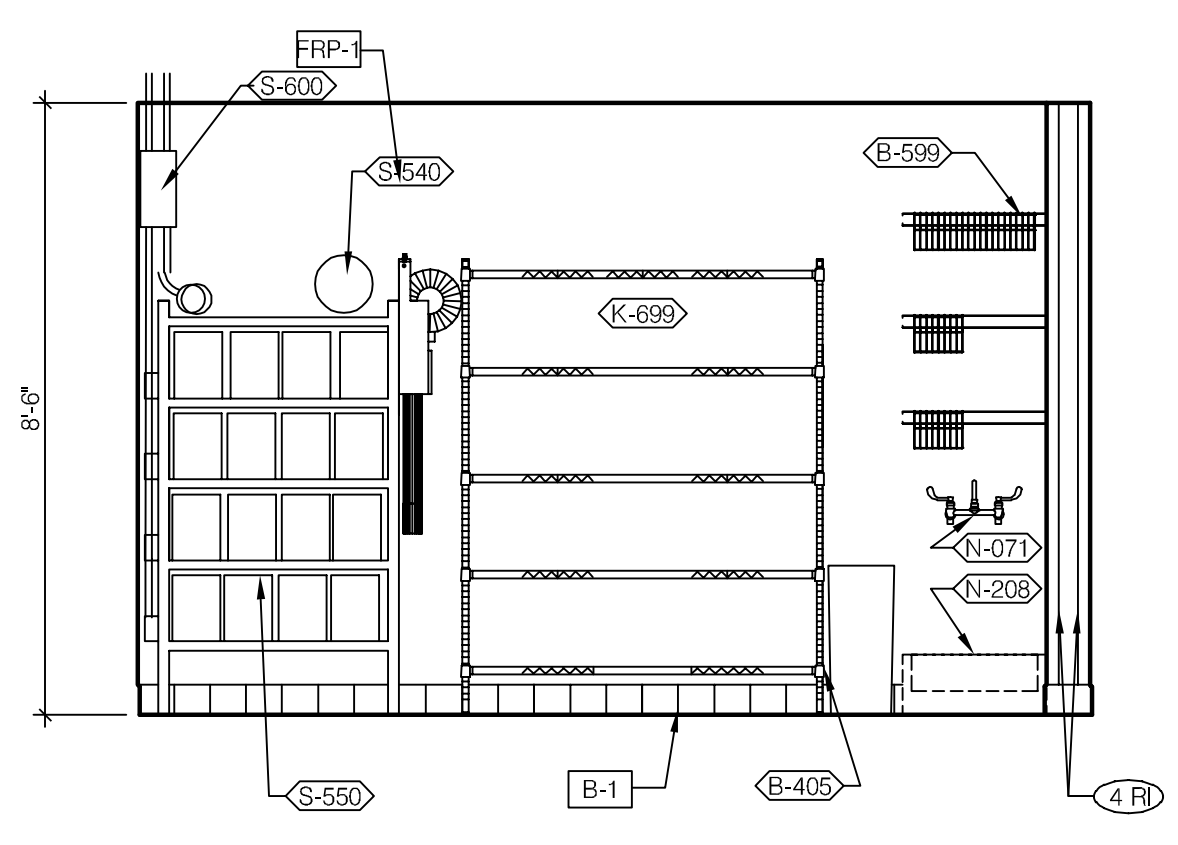
**PREP** 3/8" = 1'-0" **6**



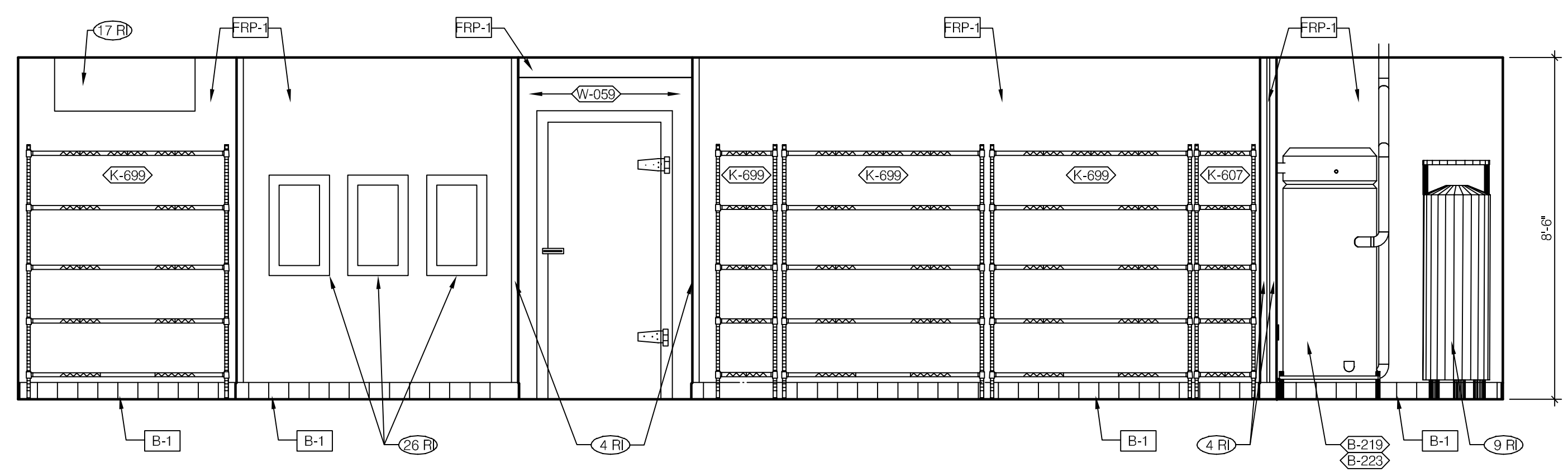
**WARE WASHING** 3/8" = 1'-0" **5**



**TACO BELL COOK LINE** 3/8" = 1'-0" **4**



**UTILITY/STORAGE** 3/8" = 1'-0" **9**



**DRY STORAGE** 3/8" = 1'-0" **8**

- REMODEL IMAGE (RI)**
- 1 RI STAINLESS STEEL CHASE FOR SYRUP LINES & ICE MACHINE REFRIGERANT LINES. SEE DETAIL 2/A6.2
  - 2 RI ANSUL CABINET.
  - 3 RI DRIVE-THRU TIMER DISPLAY UNIT.
  - 4 RI SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE DETAIL 6/A6.0.
  - 5 RI HOLD-UP BUTTON.
  - 6 RI SS CORNER GUARDS AT PERIMETER OF D/T WINDOW. SEE DETAILS 10, 11, & 13/A6.1 AND SCOPE OF WORK FOR RESPONSIBILITIES.
  - 7 RI SPLASH GUARD. SEE DETAIL 9/A6.0.
  - 8 RI EDGE OF STAINLESS STEEL PANEL BEHIND HOOD.
  - 9 RI EXISTING EQUIPMENT TO BE RELOCATED.
  - 10 RI J-BOX AND OUTLET INCLUDED WITH HOOD. INSET WITH FLUSH WITH FACE OF HOOD.
  - 11 RI 20 GA. STAINLESS STEEL PANEL BEHIND HOOD.
  - 12 RI GAS SHUT-OFF VALVE.
  - 13 RI FILTER FOR HOT WATER SYSTEM.
  - 14 RI NEW GAS WATER HEATER WITH NEW DUAL INSTANT HOT FIXTURES. SEE PLUMBING DRAWINGS FOR MORE DETAILS AND SPECIFICS.
  - 15 RI OPENING FOR SYRUP TUBES. SEE DETAIL 4/A6.2.
  - 16 RI NO SMOKING SIGN TO BE INSTALLED IN BOH. GREEN
  - 17 RI RELOCATED AIR HANDLE UNIT.
  - 18 RI ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
  - 19 RI CEILING MOUNT MONITOR BRACKET.
  - 20 RI ADJACENT TABLE TOPS TO BE INSTALLED AT SAME LEVEL. ADJUST IN THE FIELD AS REQUIRED.
  - 21 RI CUT WALL-HANGING TRACK TO ALLOW SPACE FOR CLICK&CLEAN SYSTEM.
  - 22 RI DT TIMER SIGNAL PROCESSOR, DT TIMER MONITOR AND CONTROL UNIT, AND DT TIMER ETHERNET SWITCH.
  - 23 RI OPTIONAL LIGHT INDICATOR FOR POWER SOAK. REFER TO ELECTRICAL PLANS FOR J-BOX.
  - 24 RI AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS, BY ECO LAB.
  - 25 RI ANSUL PULL STATION.
  - 26 RI NEW ELECTRIC PANELS. REFER TO ELECTRICAL PLANS.
  - 27 RI EXISTING ROOF ACCESS LADDER.

**KEY NOTES** **A**



10/27/22

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCOR  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

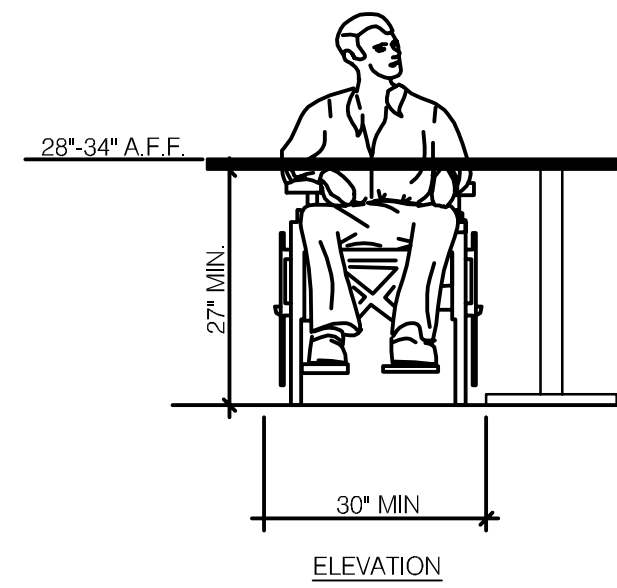
**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

**TACO BELL**  
**MAJOR REMODEL**  
**INTERIOR ELEVATIONS KITCHEN**

**A8.4**

TOTAL SEATS	ACCESSIBLE SEATS
1 - 20	1
21-40	2
41-60	3
61-80	4
81-100	5
101-120	6
121-140	7

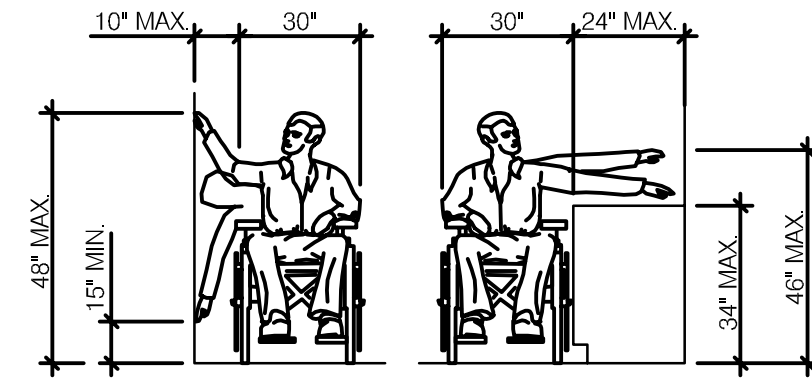
NUMBER OF ACCESSIBLE SEATS



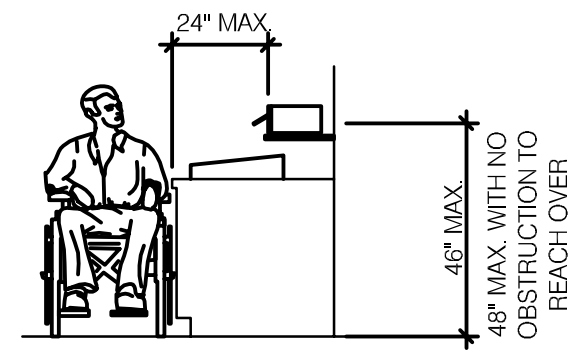
**SEATING AND TABLES**

N.T.S.

**18**



EXAMPLE: DRINK MACHINE, ETC.



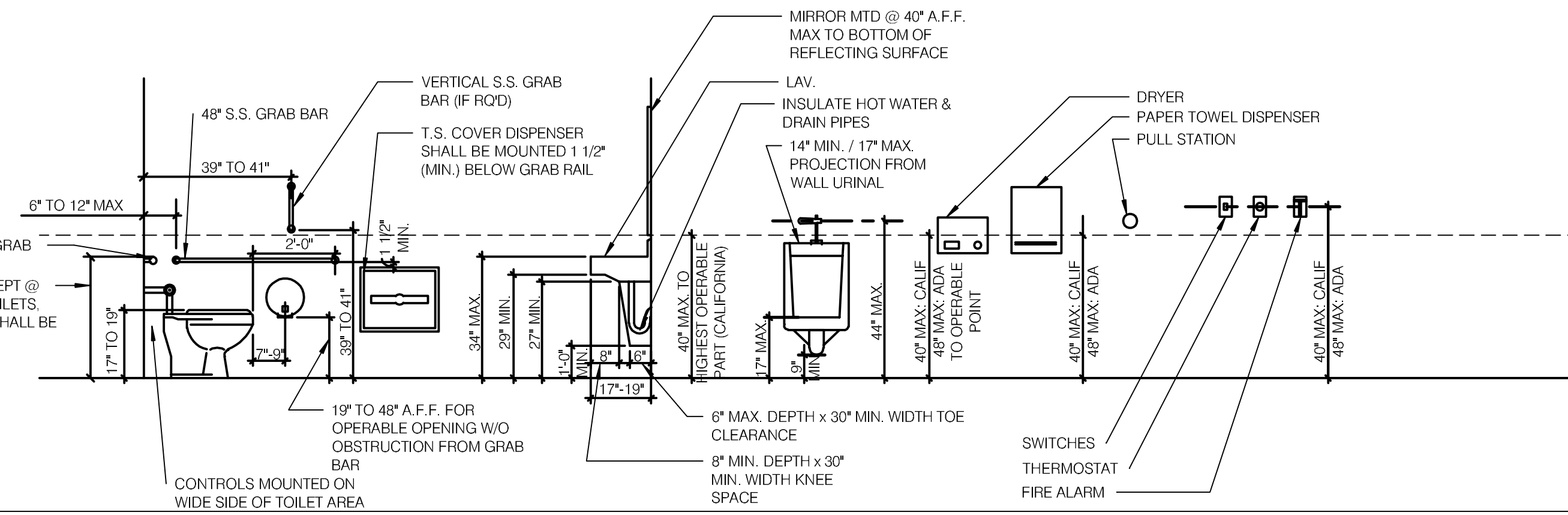
CONDIMENTS

**REACH RANGES**

N.T.S.

**14**

- NOTES:
- TOP OF GRIPPING SURFACE 33" TO 36" MAX TO THE TOP OF THE BAR. SEE NOTES BELOW
  - 12" MINIMUM CLEAR ABOVE GRAB BAR

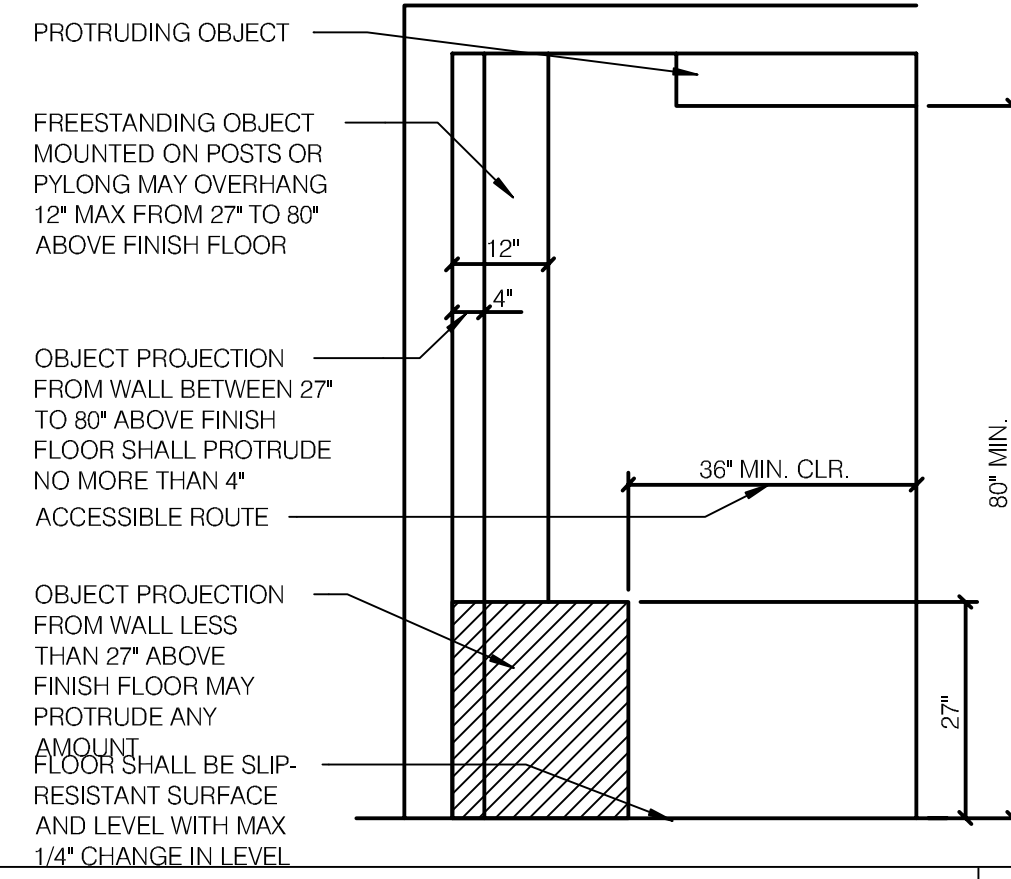


**MOUNTING HTS. & CLEARANCE FOR ACCESSIBILITY BY THE DISABLED**

N.T.S.

YAM016

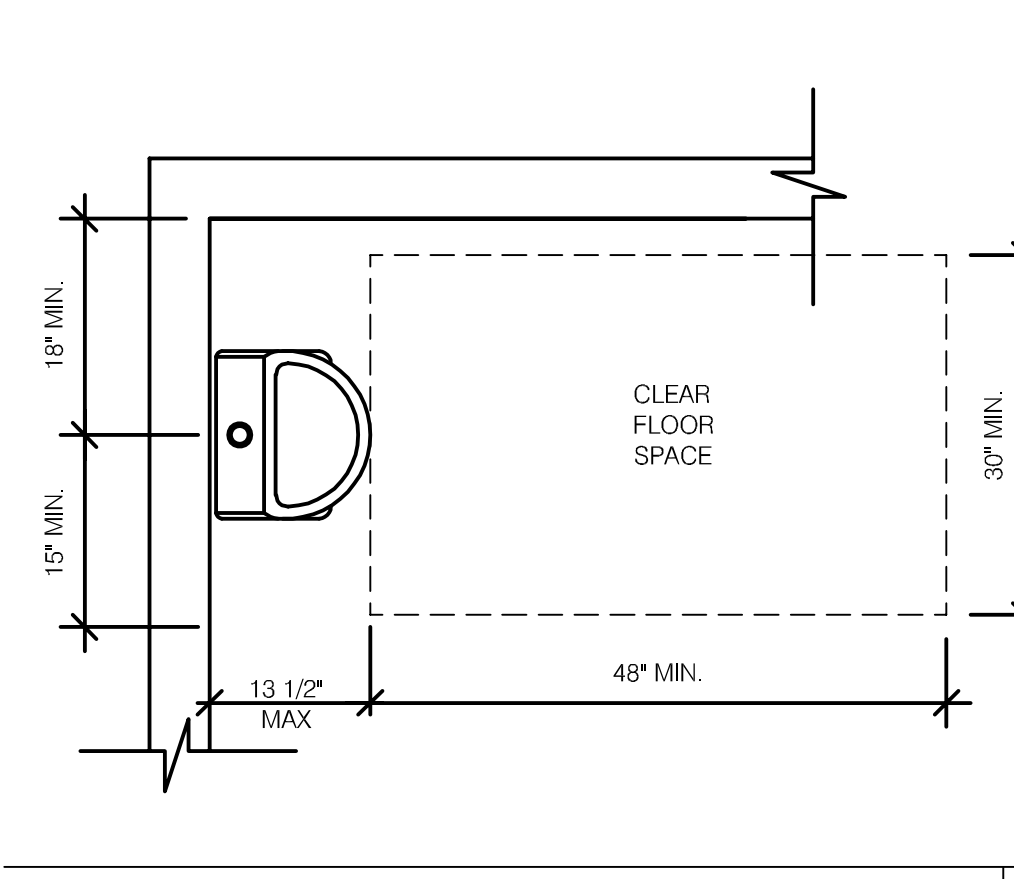
**1**



**INT. ACCESS. ROUTE CLEARANCES**

1/2" = 1'-0"

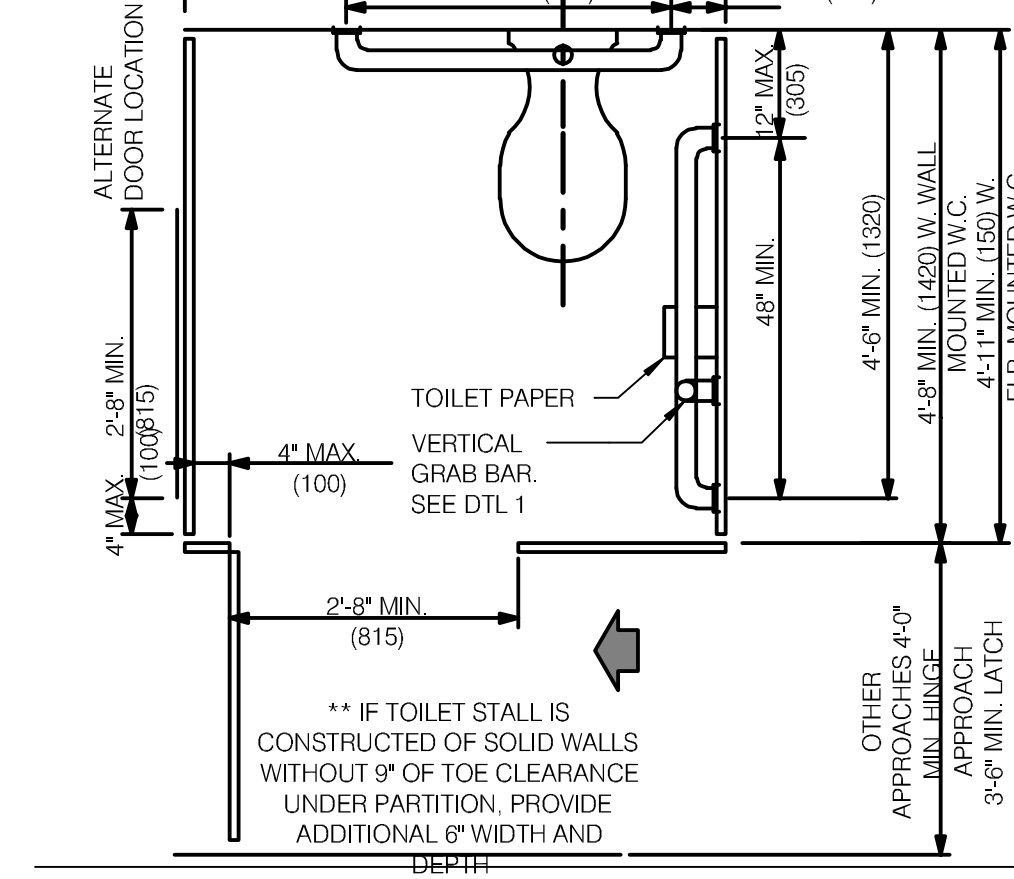
**10**



**ACCESSIBLE URINAL**

3/4" = 1'-0"

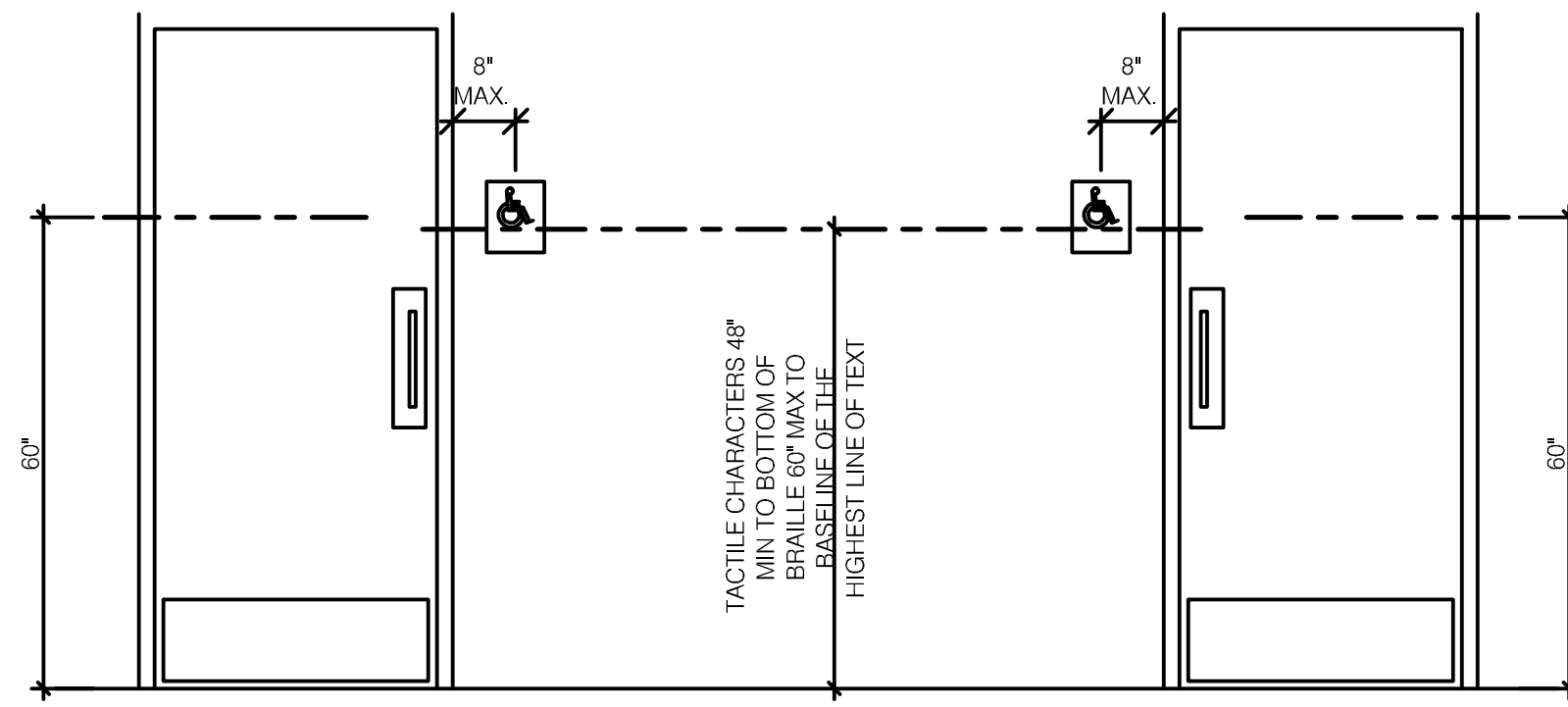
**6**



**STANDARD TOILET STALL**

N.T.S.

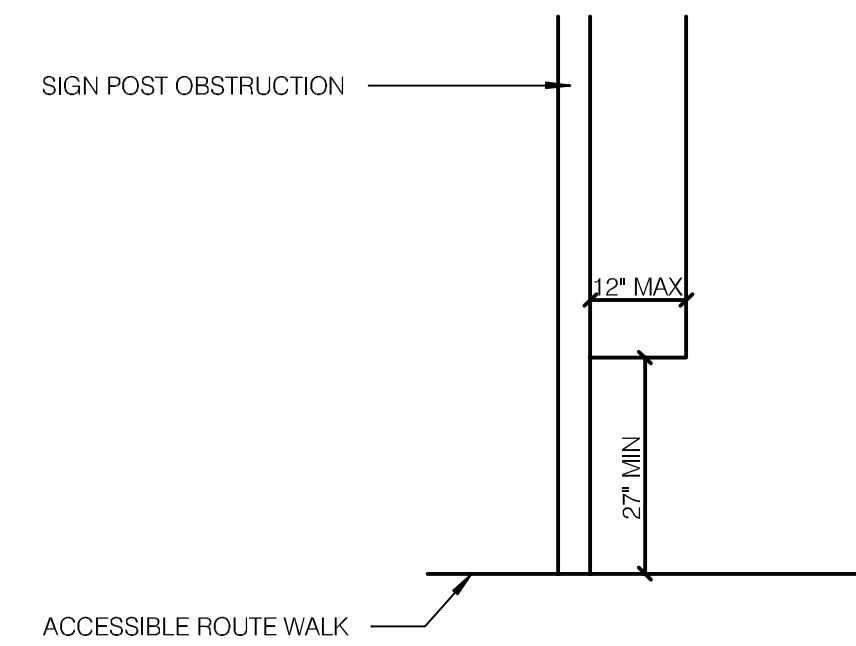
**2**



**ACCESSIBLE RESTROOM DOORS**

N.T.S.

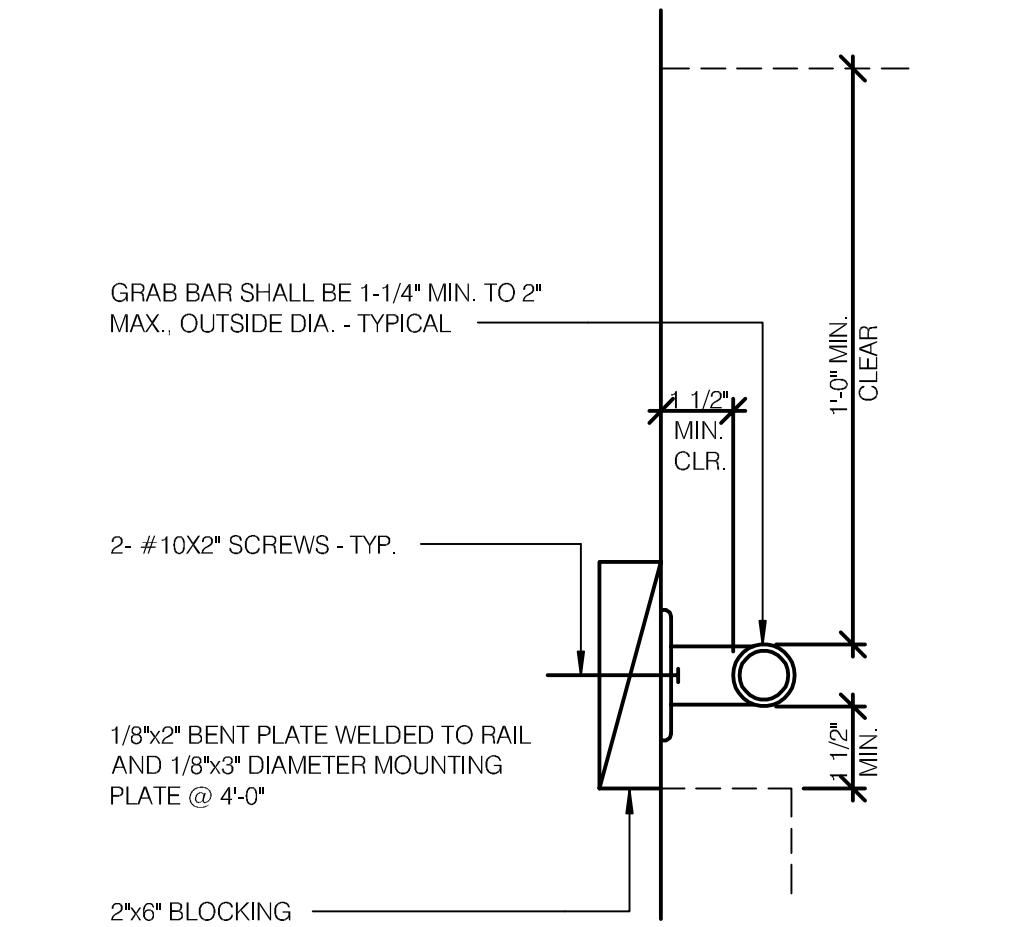
**15**



**PROTRUDING HAZARDS**

1/2" = 1'-0"

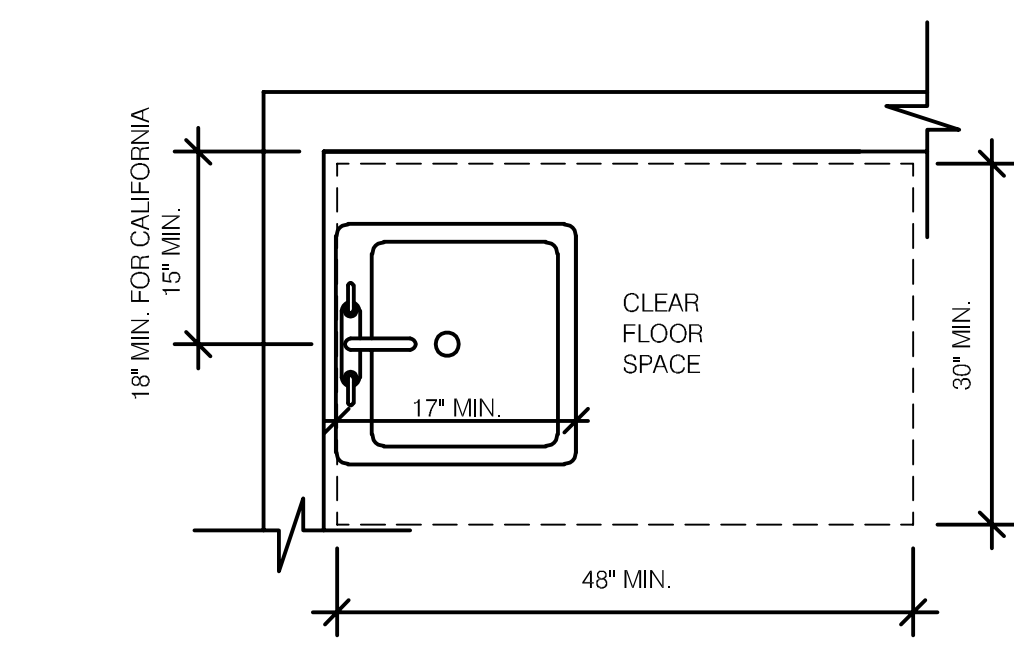
**11**



**GRAB BAR**

3/4" = 1'-0"

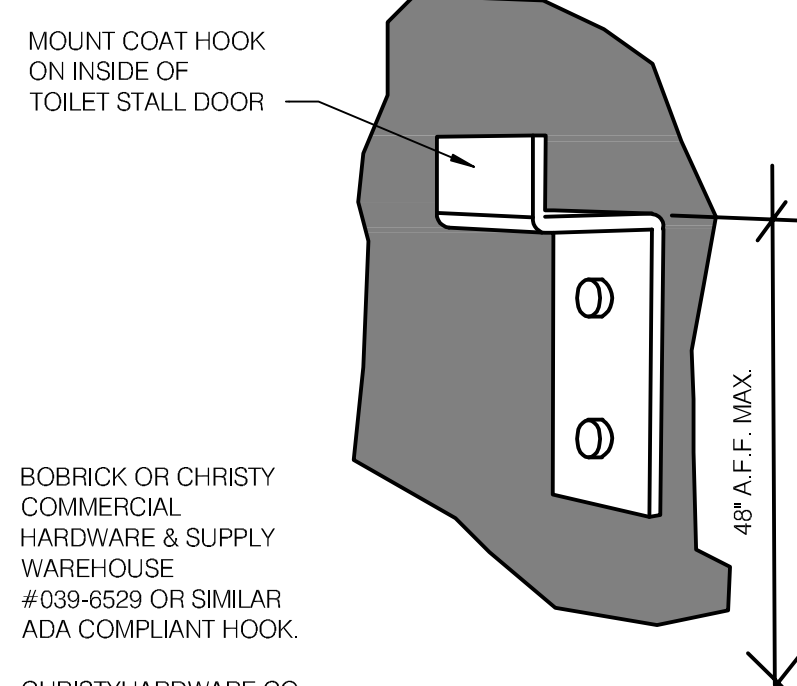
**7**



**ACCESSIBLE LAVATORY**

3/4" = 1'-0"

**3**



BOBRICK OR CHRISTY COMMERCIAL HARDWARE & SUPPLY WAREHOUSE #039-6529 OR SIMILAR ADA COMPLIANT HOOK.

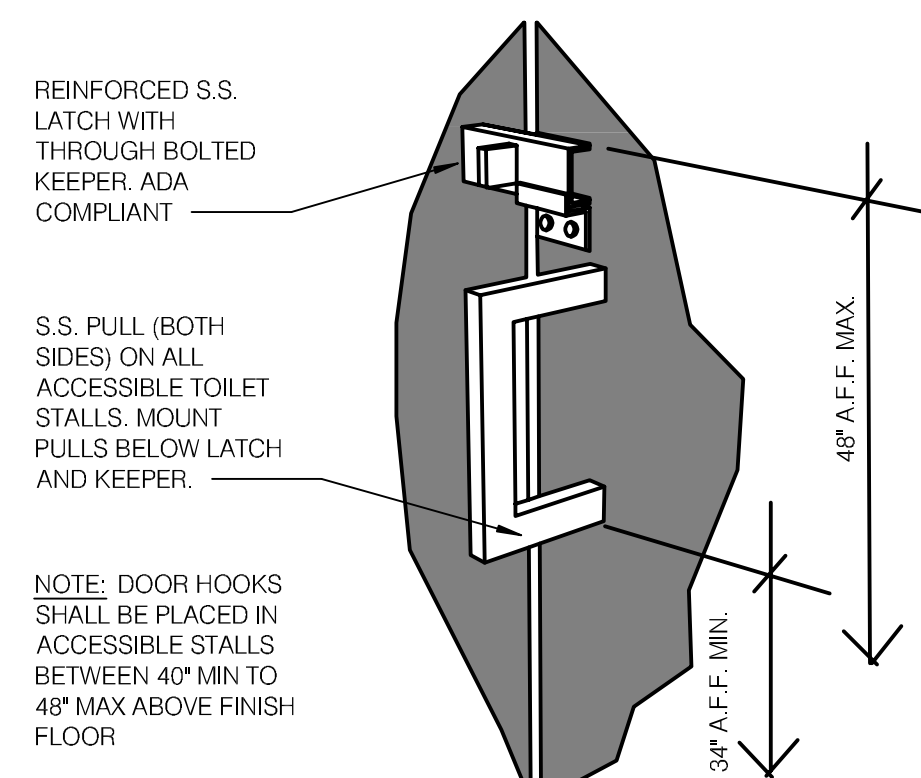
CHRISTYHARDWARE.CO M 877-544-5400

NOTE: SEE DOOR SCHEDULE. AND DOOR SCHEDULE NOTES

**COAT HOOK**

N.T.S.

**20**



REINFORCED S.S. LATCH WITH THROUGH BOLTED KEEPER, ADA COMPLIANT

S.S. PULL (BOTH SIDES) ON ALL ACCESSIBLE TOILET STALLS. MOUNT PULLS BELOW LATCH AND KEEPER.

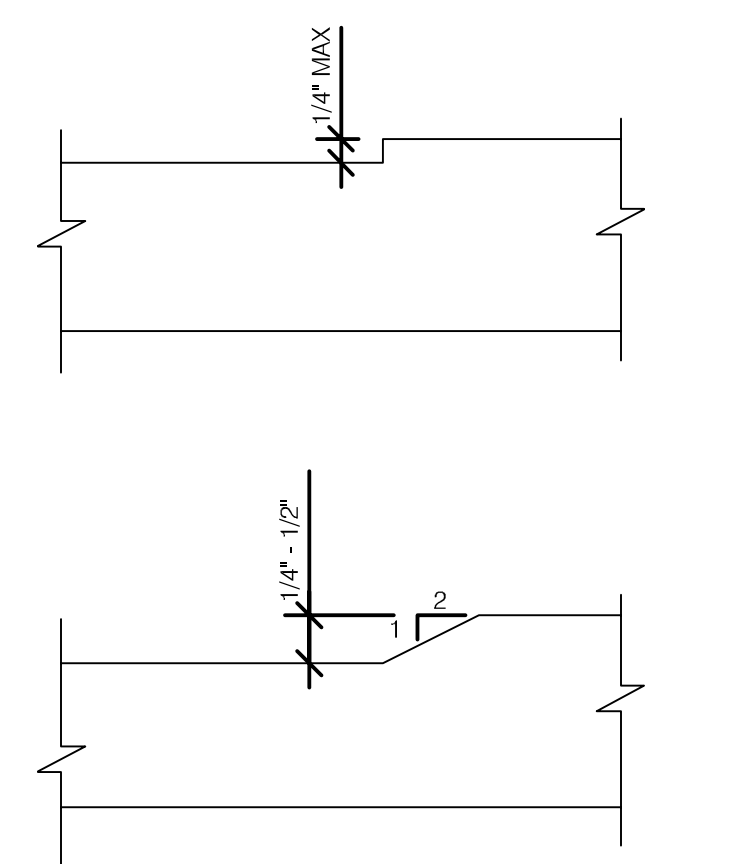
NOTE: DOOR HOOKS SHALL BE PLACED IN ACCESSIBLE STALLS BETWEEN 40" MIN TO 48" MAX ABOVE FINISH FLOOR

NOTE: SEE DOOR SCHEDULE. AND DOOR SCHEDULE NOTES

**PARTITION DOOR LATCH @ PULL**

N.T.S.

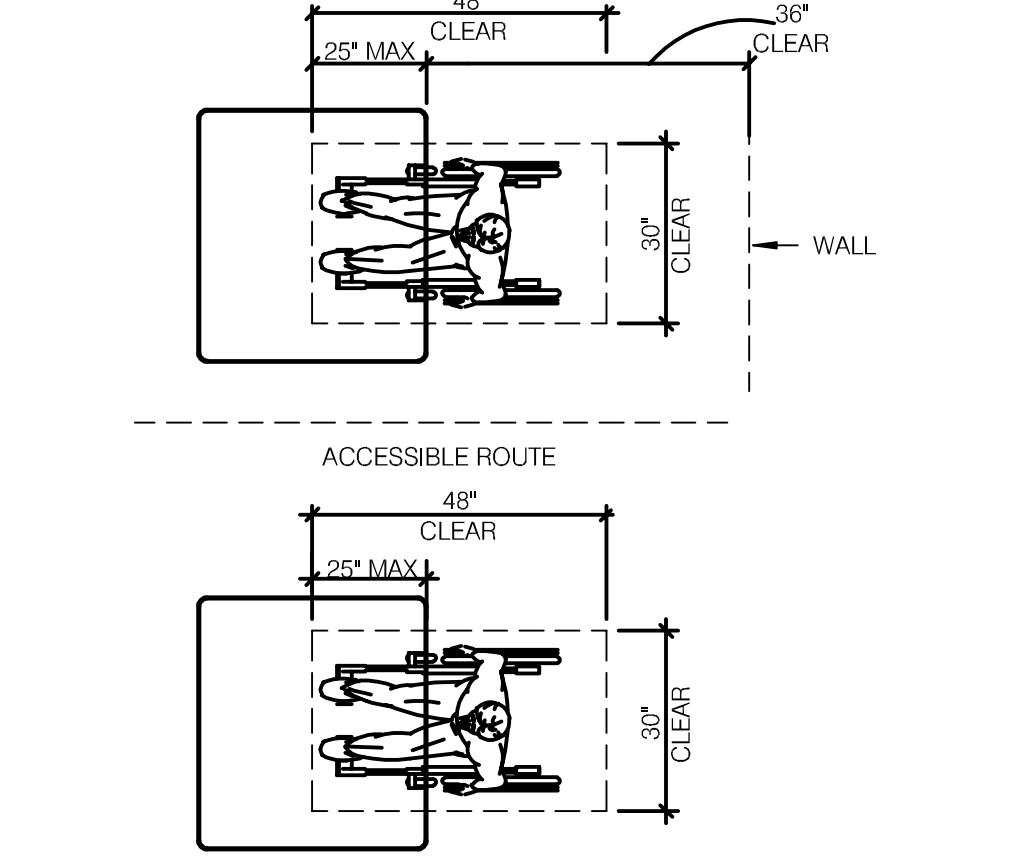
**16**



**CHANGES IN LEVEL**

N.T.S.

**12**



NOTE: MAINTAIN 44" MIN. CLEAR AISLE EGRESS PATHS TO EXIT DOORS

**DINING ROOM SEATING CLEARANCES**

N.T.S.

**8**

- INDICATED DIMENSIONS, HEIGHTS, DEPTHS, AREAS AND OTHER GRAPHIC INFORMATION ARE PROVIDED AS MINIMUMS THAT MUST BE MAINTAINED. THESE MINIMUMS ARE BASED UPON YUM STANDARDS AND MAY EXCEED ADA REQUIREMENTS.
- THE DETAILS SHOWN ARE CONCEPTUAL ONLY AND INTENDED TO SHOW ABSOLUTE MINIMUMS AND SHALL BE COORDINATED WITH THE OTHER CONSTRUCTION DOCUMENTS ASSOCIATED WITH THIS PROJECT.
- 60° TURNING SPACE
  - PERMITTED OVERLAP LIMITED TO 1 ARM OF T-SHAPED SPACE
  - CAN OVERLAP FIXTURE & DOOR CLEARANCE
  - DOOR CAN SWING INTO TURNING SPACE A MAXIMUM OF 12"
- RESTROOM - IN GENERAL, DOOR SWING MUST BE OUTSIDE OF THE FIXTURE CLEAR FLOOR SPACE HOWEVER A DOOR CAN SWING INTO FIXTURE CLEAR FLOOR SPACE IF WHEELCHAIR SPACE 30"x48" IS PROVIDED BEYOND THE DOOR SWING.
- TOILET ROOM MUST ALLOW FOR SIDE TRANSFER - 42" BETWEEN FIXTURES
- ALL BARRIER FREE SIGNS SHALL BE WHITE ON A BLUE BACKGROUND.

**GENERAL NOTES**

N.T.S.

**4**

10/27/22

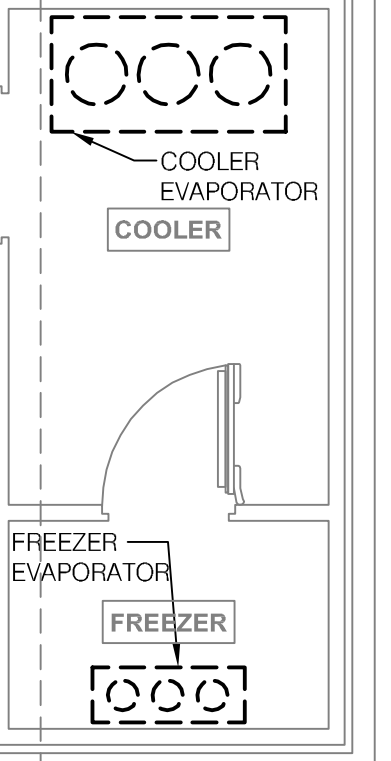
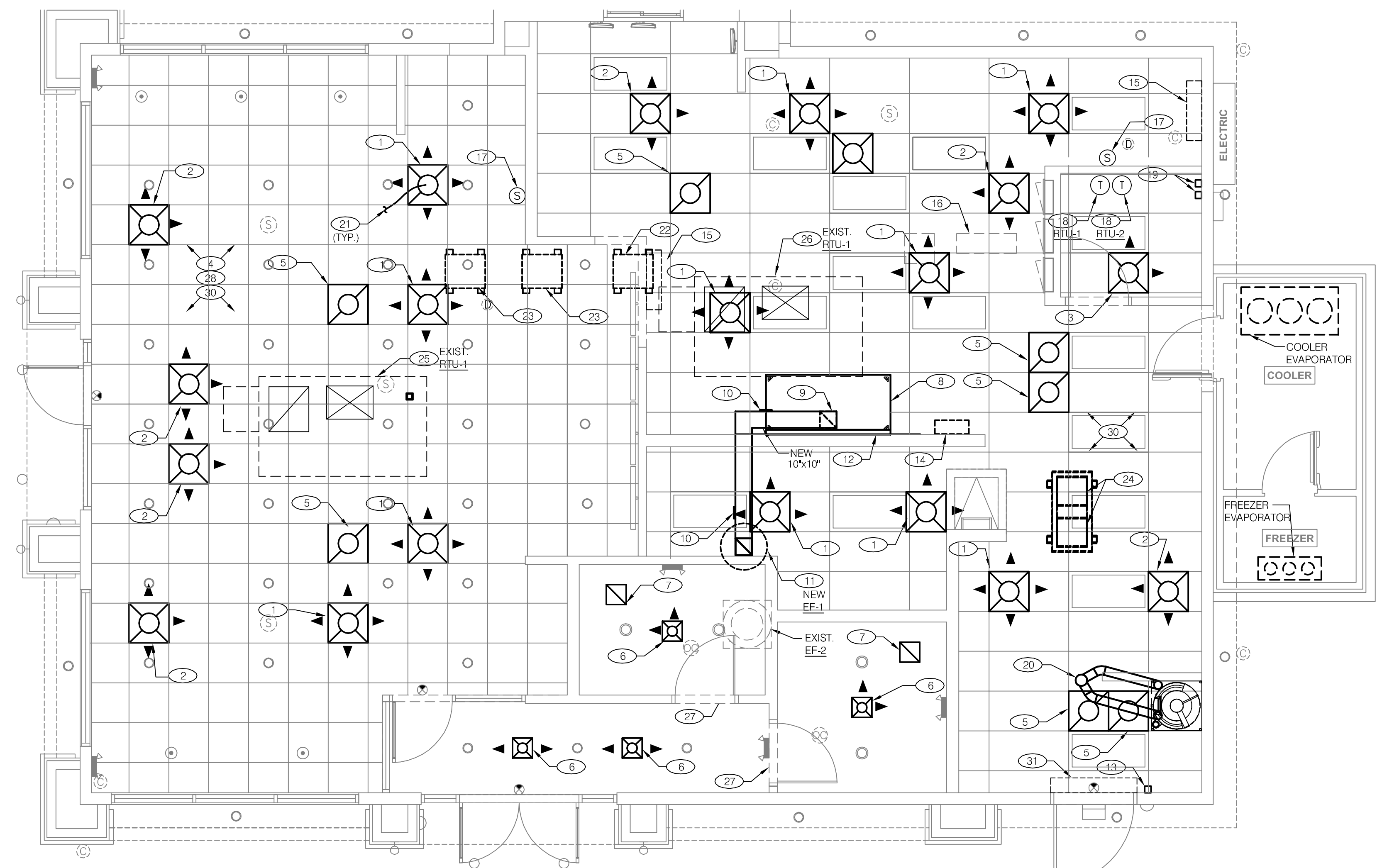




RE-DISTRIBUTE THE AIR THROUGH ALL DIFFUSERS/GRILLES CONNECTED TO THE RTU SERVING THE KITCHEN AREA AFTER REMOVAL OF EXISTING EXHAUST HOOD AND INSTALLATION OF NEW EXHAUST HOOD/FAN. RE-BALANCE THE RTU AS NEEDED TO MAINTAIN SLIGHTLY POSITIVE AIR PRESSURE IN THE BUILDING.

FOR COMPLETE INFORMATION AND PRICING FOR THE EGER PRODUCTS, CONTACT JOSH DURDEN AT EGER PRODUCTS, INC.  
 TOLL-FREE PHONE: 1-877-265-9925  
 PHONE: (513) 753-4200 EXT. 109 FOR JOSH  
 OR (513) 753-4200 EXT. 102 FOR KRISTIE  
 EMAIL: josh@egerproducts.com  
 or kristie@egerproducts.com

- A. ANY FRAMING REQUIRED FOR DIFFUSER INSTALLATION IN HARD CEILING SHALL BE BY THE GENERAL CONTRACTOR.
- B. INSTALLATION SHALL CONFORM TO THE ENERGY CONSERVATION DESIGN MANUAL STANDARDS FOR NEW NON-RESIDENTIAL BUILDINGS.
- C. ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
- D. CONTRACTOR PROVIDES CONDUIT FOR LINE AND LOW VOLTAGE WIRING. LINE VOLTAGE WIRING SWITCHES, DISCONNECTS, CIRCUIT BREAKERS, FINAL CONNECTIONS, AND ITEMS INDICATED THUS (E).
- E. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED, WITH ADEQUATE ROOM FOR SERVICING. I INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. CONTRACTOR SHALL SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION.
- F. HVAC UNITS SHALL BE MOUNTED LEVEL. VERIFY MTL, CURB AND ROOF SLOPE PRIOR TO LIFTING HVAC UNITS INTO PLACE.
- G. FINAL HVAC SYSTEM TESTING AND BALANCING SHALL BE PERFORMED BY THE OWNERS INDEPENDENT AGENT. A RETEST IS MANDATORY FOR A FALSE START (I.E. NO POWER UPON AGENTS ARRIVAL, EQUIPMENT NOT WIRED, ETC.) AND SHALL BE A COST INCURRED BY THE G.C. IN THE EVENT A SYSTEM/STORE RECEIVES A GRADE OF 5 OR BELOW AS A RESULT OF THE HVAC (RTU) SYSTEM PERFORMANCE OR OPERATIONAL DEFICIENCIES. TACO BELL WILL REQUEST A RETEST AND THE COST FOR SAME SHALL ALSO BE INCURRED BY THE GENERAL CONTRACTOR.
- H. ALL BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS/GRILLES TO HAVE ACCESSIBLE DAMPERS AT TAKE-OFFS FOR AIR BALANCING.
- I. PROVIDE ACCESS PANELS AS APPLICABLE TO CEILING AND/OR WALL CONSTRUCTION WHERE NEEDED TO SERVICE AND ADJUST VALVES AND DAMPERS.
- J. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN SERVICE ACCESS SPACE IN ACCORDANCE WITH MANUFACTURER, LOCAL CODE & AUTHORITY REQUIREMENTS.
- K. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL THE HVAC SYSTEM CONTROLS, INCLUDING LOW VOLTAGE WIRING.
- L. CONTRACTOR SHALL COORDINATE INSTALLATION OF MECHANICAL WORK WITH ALL OTHER TRADES TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR TO REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
- M. CONTRACTOR SHALL PROVIDE ATLANTA SUPPLY CO. (PHONE NUMBER: 800-972-5391) "INSULATION TENT" STOCK #FGB 1/8" FIBERGLASS BACKING (OR EQUAL) FOR NEW EGER PRODUCTS INC. SUPPLY AND RETURN AIR DEVICES.



**GENERAL NOTES**

**E**

**MECHANICAL PLAN 1/4"=1'-0"**

**A**

MARK	CFM	SP	RPM	HP	ELECT	STARTER	ACCESSORIES					MANUFACTURER AND MODEL NUMBER	REMARKS
							DISC	BDD	WPC SCREEN	V-BELT	D-DR		
EF-1	1050	0.9	1429	0.5	115/1	-	X	-	-	-	X	STRATOVENT #SVDU50HFA	1,2,3,4,5,6,7

REMARKS:  
 1. UL 762 LISTED (GREASE)  
 2. FLAT ROOF CURB, 19.5" X 19.5" X 26"H, VENTED  
 3. GREASE CUP WITH DRAIN  
 4. FACTORY ATTACHED HINGES  
 5. WEATHERPROOF PRE-WIRED DISCONNECT SWITCH  
 6. PROVIDE PRE-WIRED SOLID STATE SPEED CONTROLLER  
 7. PROVIDED BY OWNER WITH HOOD PACKAGE

ITEM	OA	RA	SA	EA	PRESSURE
NEW EF-1	--	--	--	1050	-1050
EXIST. EF-2	--	--	--	150	-150
EXIST. RTU-1	800	3200	4000	--	+800
EXIST. RTU-2	500	4500	5000	--	+500
TOTAL	1300	7700	9000	1200	+100

**EXHAUST FAN SCHEDULE**

**F**

**AIR BALANCE SCHEDULE CFM**

**C**

DESCRIPTION	AREA (SQ. FT.)	AREA OUTDOOR AIR RATE PER IMC TABLE 403.3 (RA)	AREA OUTDOOR AIR (RaAz)	OCCUPANT LOAD RATE PER IMC TABLE 403.3 (PEOPLE/1000 SQ.FT.)	OCCUPANCY C x F/1000 (Pz)	OCCUPANT OUTDOOR AIR RATE PER IMC TABLE 403.3 (Rp)	OCCUPANT OUTDOOR AIR (RpPz)	BREATHING OUTDOOR AIR (Vbz = RpPz + RaAz)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	ZONE OUTDOOR AIR (Voz = Vbz/Ez)	SUPPLY AIR DESIGN (Vpz)	OUTDOOR AIR FRACTION (Zp = Voz/Vpz)
DINING	459	0.18	82.6	70	32	7.5	241.0	323.6	0.8	404.5	1500	0.27
QUEUE	366	0.12	43.9	15	5	7.5	41.2	85.1	0.8	106.4	1500	0.07
HWY/TLT	243	0.12	29.2	15	0	7.5	0.0	29.2	0.8	36.5	250	0.15
SERVICE	104	0.12	12.5	15	2	7.5	11.7	24.2	0.8	30.2	750	0.04
KITCHEN	918	0.12	110.2	15	14	7.5	103.3	213.4	0.8	266.8	4800	0.06
OFFICE	53	0.06	3.2	15	1	5	5.0	8.2	0.8	10.2	200	0.05
TOTALS	2143									854.6	9000	0.09
TOTAL REQUIRED OUTDOOR AIR												855
CALCULATIONS BASED ON 2015 MICHIGAN MECHANICAL CODE												Ev

**OUTSIDE AIR CALCULATION SCHEDULE**

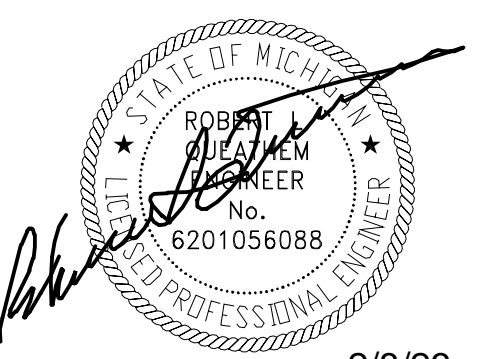
**D**

- 1 FURNISH & INSTALL REPLACEMENT SUPPLY AIR DIFFUSER, EGER PRODUCTS INC. "ADVANTAGE" WHITE PLASTIC, SERIES EA3xxW WITH ATLANTA SUPPLY CO. STOCK #FGB INSULATION TENT 1/8" FIBERGLASS BACKING (OR EQUAL). CONNECT TO FLEX DUCT AS REQUIRED. SEE GENERAL NOTE "M". [R]
- 2 FURNISH & INSTALL REPLACEMENT SUPPLY AIR DIFFUSER, EGER PRODUCTS INC. "ADVANTAGE" WHITE PLASTIC, SERIES EA3xxW WITH 3-WAY BAFFLE AND ATLANTA SUPPLY CO. STOCK #FGB INSULATION TENT 1/8" FIBERGLASS BACKING (OR EQUAL). CONNECT TO FLEX DUCT AS REQUIRED. SEE GENERAL NOTE "M". [R]
- 3 FURNISH & INSTALL REPLACEMENT SUPPLY AIR DIFFUSER, EGER PRODUCTS INC. "ADVANTAGE" WHITE PLASTIC, SERIES EA3xxW WITH 2-WAY (WC) BAFFLE AND ATLANTA SUPPLY CO. STOCK #FGB INSULATION TENT 1/8" FIBERGLASS BACKING (OR EQUAL). CONNECT TO FLEX DUCT AS REQUIRED. SEE GENERAL NOTE "M". [R]
- 4 EXISTING SUPPLY/RETURN DUCTWORK TO REMAIN. FIELD VERIFY CLEAN, PROVIDE GENERAL MAINTENANCE, AND PROPER WORKING CONDITION AS REQUIRED. [R]
- 5 FURNISH & INSTALL REPLACEMENT RETURN AIR GRILLE, EGER PRODUCTS INC. "ADVANTAGE" WHITE PLASTIC, SERIES EFAREC (AVAILABLE IN 6" THRU 18" AND 20"x20" SQUARE NECK), WITH ATLANTA SUPPLY CO. STOCK #FGB INSULATION TENT 1/8" FIBERGLASS BACKING (OR EQUAL). CONNECT TO FLEX DUCT AS REQUIRED. SEE GENERAL NOTE "M". VERIFY QUANTITY PRIOR TO ORDERING. [R]
- 6 FURNISH & INSTALL REPLACEMENT SUPPLY AIR DIFFUSER, EGER PRODUCTS INC. "ADVANTAGE" WHITE PLASTIC, SERIES EA3xxW 12"x12" WITH 2-WAY (WC) BAFFLE AND ATLANTA SUPPLY CO. STOCK #FGB INSULATION TENT 1/8" FIBERGLASS BACKING (OR EQUAL). PROVIDE MOUNTING FRAME TO ALLOW INSTALLATION IN GYPSUM BOARD AND LAY-IN CEILING. CONNECT TO FLEX DUCT AS REQUIRED. SEE GENERAL NOTE "M". [R]
- 7 FURNISH & INSTALL REPLACEMENT EXHAUST GRILLE, EGER PRODUCTS INC. "ADVANTAGE" WHITE PLASTIC, SERIES EAPERFMA-12X12, WITH ATLANTA SUPPLY CO. STOCK #FGB INSULATION TENT 1/8" FIBERGLASS BACKING (OR EQUAL). PROVIDE MOUNTING FRAME TO ALLOW INSTALLATION IN GYPSUM BOARD AND LAY-IN CEILING. CONNECT TO FLEX DUCT AS REQUIRED. SEE GENERAL NOTE "M". [R]
- 8 NEW EXHAUST HOOD. SEE HOOD DRAWINGS. [R]
- 9 10X10 EXHAUST DUCT. TRANSITION TO EXHAUST CONNECTION AT HOOD. ROUTE EXHAUST DUCT IN TRUSS SPACE TO ROOF-MOUNTED EXHAUST FAN EF-1. SEE HOOD DETAILS ON DRAWING M2.0. SEE DETAIL 13 ON SHEET M3.0 FOR DUCTWORK FIRE WRAP. SEE DETAIL 18 ON SHEET M3.0 FOR EXHAUST DUCT TRANSITION. [R]
- 10 PROVIDE "PENETRATOR" GREASE DUCT CLEAN-OUT ACCESS DOOR MANUFACTURED BY FLAME GARD, INC. (OR EQUIVALENT) IN ACCORDANCE WITH 2015 MICHIGAN MECHANICAL CODE SECTION 506.3.9. ACCESS DOOR TO HAVE 5X5" OPEN AREA ON THE BOTTOM SIDE OF THE DUCT. OPENINGS IN DUCT SHALL CONFORM TO CODE REQUIREMENTS, AND SHALL BE ALLOW COMPLETE AND THOROUGH CLEANING OF DUCT SYSTEM. [R]
- 11 NEW ROOF-MOUNTED EXHAUST FAN EF-1. SEE HOOD DRAWINGS. LOCATE TO MAINTAIN MINIMUM 10'-0" CLEARANCE FROM ANY OUTDOOR AIR INTAKE. [R]
- 12 20-GAUGE STAINLESS STEEL SHEET METAL FLASHING, EXTENDING FROM FLOOR TO 18" ABOVE AND 18" BEYOND EACH SIDE OF THE TYPE I HOOD, OVER THE WALL COVERING, FOR A REDUCTION TO 0" CLEARANCE TO COMBUSTIBLES. [R]
- 13 CONTRACTOR SHALL LOCATE ANSUL MANUAL PULL STATION AS SHOWN 10-20 FEET AWAY FROM HOOD. MOUNT AT 48" A.F.F. COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR. [R]
- 14 ANSUL CABINET SHOWN FOR REFERENCE.
- 15 EXISTING WALL MOUNTED AIR HANDLING UNIT AND CONDENSATE PUMP PART OF MINI-SPLIT SYSTEM WITH 2 1.5-TON AIR HANDLING UNITS PAIRED WITH 1 3-TON ROOF MOUNTED CONDENSING UNIT TO BE RELOCATED AS SHOWN. PROVIDE NEW REFRIGERANT PIPING AS REQUIRED. INSTALL AIR HANDLING UNIT AS PER MANUFACTURERS INSTRUCTION. FIELD VERIFY LOCATION. (TOTAL OF 2) [R]
- 16 EXISTING 3-TON CONDENSING UNIT PART OF MINI-SPLIT SYSTEM TO REMAIN AND SHOWN FOR REFERENCE. PROVIDE NEW REFRIGERANT PIPING AS REQUIRED. FIELD VERIFY LOCATION. [R]
- 17 EXISTING TEMPERATURE SENSOR RELOCATED WHERE SHOWN. EXTEND SUPPLY WIRING AS REQUIRED. FIELD VERIFY LOCATION. [R]
- 18 EXISTING THERMOSTAT TO BE RELOCATED AS SHOWN IN OFFICE AREA. EXTEND SUPPLY WIRING AS REQUIRED. FIELD VERIFY LOCATION. [R]
- 19 EXISTING SMOKE DETECTOR TEST STATION TO BE RELOCATED AS SHOWN IN OFFICE AREA. EXTEND SUPPLY WIRING AS REQUIRED. FIELD VERIFY LOCATION. [R]
- 20 FURNISH AND INSTALL 3" PVC WATER HEATER INTAKE AND FLUE VENT FROM WATER HEATER TO CONCENTRIC VENT THRU ROOF. INSTALL AS PER MANUFACTURERS DIRECTION. VENT DISCHARGE SHALL BE AT LEAST 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKE AND AWAY FROM ANY ROOF CRICKETS. ADJUST DISCHARGE LOCATION AS REQUIRED. [R]
- 21 PROVIDE NEW FLEX DUCT WITH 2" THICK (3/4 LB. DENSITY) EXTERNALLY INSULATED WITH AN INSTALLED VALUE OF R-6.0 AS REQUIRED FOR ALL NEW SUPPLY DIFFUSERS AND RETURN AIR GRILLES. CONNECTIONS BETWEEN DUCT AND DIFFUSER SHALL BE AIR DUCT LISTED BY UNDERWRITERS LABORATORIES UNDER UL STANDARD 101 AS A GLASS 1 FLEXIBLE AIR DUCT AND COMPLYING WITH NFPA STANDARDS 90A AND 90B. [R]
- 22 NEW CONDENSING UNIT FOR FROZEN BEVERAGE DISPENSE. INSTALL ON EQUIPMENT SUPPORT RAILS ON ROOF. ADJUST CONDENSING UNIT LOCATION AS REQUIRED. [R]
- 23 NEW CONDENSING UNIT FOR DINING ROOM AND DRIVE THRU. INSTALL ON EQUIPMENT SUPPORT RAILS ON ROOF. ADJUST CONDENSING UNIT LOCATION AS REQUIRED. [R]
- 24 NEW CONDENSING UNIT FOR WALK-IN COOLER/FREEZER ADDITION. MOUNT ON FIELD-FABRICATED PLATFORM WHERE SHOWN. LEVEL PLATFORM AND ROOF PENETRATIONS BY GENERAL CONTRACTOR. [R]
- 25 EXISTING LENNOX 10 TON ROOFTOP UNIT. MODEL LGH120H4 SERIAL NUMBER 5620806501 TO REMAIN AND REUSED. SHOWN FOR REFERENCE. FIELD VERIFY LOCATION AND CONDITION. [R]
- 26 EXISTING LENNOX 12.5 TON ROOFTOP UNIT. MODEL LGH150H4 SERIAL NUMBER 5620806261 TO REMAIN AND BE REUSED. SHOWN FOR REFERENCE. FIELD VERIFY LOCATION AND CONDITION. [R]
- 27 ENSURE DOOR UNDERCUT FOR TRANSFER AIR. [R]
- 28 CONTRACTOR SHALL PAINT DIFFUSERS AND GRILLES IN DINING ROOM TO MATCH ADJACENT CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION. [R]
- 29 NOT USED
- 30 EXISTING EXHAUST HOOD WITH SUPPLY AIR PLENUM, AND ASSOCIATED ROOF-MOUNTED EXHAUST FAN, SUPPLY FAN, SUPPLY/EXHAUST DUCTWORK, AND FLEX DUCT TO BE REMOVED. DISPOSE OF AS PER TACO BELL CONSTRUCTION MANAGERS DIRECTION. [R]
- 31 EXISTING AIR CURTAIN TO BE RELOCATED AS SHOWN NEW KITCHEN SERVICE ENTRANCE DOOR. COORDINATE WITH ELECTRICAL CONTRACTOR. FIELD VERIFY LOCATION. [R]

**KEY NOTES**

**B**

**ARCVISION**  
 INCORPORATED  
 ARCHITECTURE • ENGINEERING • STORE PLANNING  
 SAINT LOUIS / DALLAS / LAS VEGAS / ORLANDO  
 1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146  
 PH. (314) 415-2400 FAX (314) 415-2300  
 www.arcv.com



2/8/23

02.08.23 CITY COMMENTS

CONTRACT DATE: M70HD  
 BUILDING TYPE: MAJOR  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHCO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

TACO BELL  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

MAJOR REMODEL  
**MECHANICAL PLAN**

**M1.0**

RO SET ISSUED: 10.25.22

### STRATOVENT MODEL# SYDU50HFA

TAG	HOOD	STRATOVENT MODEL#	CFM	ESP.	BPM	H.P.	B.H.P.	D	VOLT	FLA	MOAAMP	WEIGHT (LBS)	BOXES	SELECTED OPTIONS
274	7700F	SYDU50HFA	1050	0.27	1639	0.50	0.30	1	115	8.4	10.5/15	65/40	1/5	RESTAURANT MODEL UL755 GREASE FILTER DIRECT DRAIN SPEED CONTROLLER WASH-DRAIN* DISCONNECT FLAT CURB, VENTED FACTORY ATTACHED HINGES

**ATTENTION!**  
INSTALLER MUST READ LABEL NEAR DISCONNECT SWITCH MESSAGE ON LABEL. INSTALLER SHOULD SUPPLY ENOUGH ELECTRICAL COPPER TO ALLOW FAN TO MAKE COMPLETE CIRCUIT.

INSTALLER TO PROVIDE UP TO 1/2" TO 1" HOLES TO BE USED TO LOCK HOSE AND WORN DISCONNECT HOLES ARE PRE-DRILLED.

FACTORY ATTACHED HINGES TO BE USED ONLY ONE SIDE SHOWN.

**STRATOVENT**

CALIFORNIA-OKLAHOMA-NORTH CAROLINA  
PH: 919-573-4250  
FEEDBACK@STRATOVENT.COM

REVISED: 10-10-2018

**TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN** N.T.S. **14**

PROJECT: TACO BELL

System Size: ANSUL-3.0 Gallons Total, R102 Flow Points: 8 Design, 11 (max)

Hood #1: 6'-6" L x 36" W x 14" H Exhaust Riser Size: 10" x 10"

3.0 GA. R102 ANSUL SYSTEM

8 FLOW POINTS

2" APPROX

1N

3NS

3NS

12"

16"

75"

50"

6'-3"

FIELD CUT

**PLAN VIEW**

LEGEND - WALL MOUNTED ANSUL SYSTEM

1B 3.0 GALLON TANK

2 AUTOMAN RELEASE

5 ANSULEX LIQUID AGENT (3.0 GAL.)

7 CARTRIDGE (101-20)

10 TEST LINK

11 DOUBLE MICROSWITCH

1W NOZZLE ASSEMBLY (419336)

1N NOZZLE ASSEMBLY (419335)

3N NOZZLE ASSEMBLY (419338)

28 DETECTOR BRACKET

30 HIGH TEMP FUSIBLE LINK

MGV MECHANICAL GAS VALVE

34 REMOTE MANUAL PULL STATION

S SWIVEL ADAPTOR

**FRONT VIEW**

PROVIDED BY: STRATOVENT  
RALEIGH, NC - REDDING, CA  
CONTACT: JEFF JOHNSON  
PH: 251-490-6114, Fax: 919-573-4251  
JEFF.JOHNSON@STRATOVENT.COM

### INSTALLATION: DUCT TEMPERATURE SWITCH

#### SENSOR DETAIL

**FAN CONTROL CIRCUIT (BY OTHERS, SEE E6.0)**

NOTE: GENERIC WIRING DETENTION. SEE PLANS FOR PROPER INTEGRATION.

- NORMALLY OPEN DRY CONTACT, CLOSES ON TEMPERATURE RISE ABOVE 85°. WIRED IN PARALLEL TO NORMAL CONTROLS CIRCUIT.

- FIELD WIRED AS SAFETY SWITCH (NOT PRIMARY MEANS OF FAN POWER), TO ENERGIZE HOOD EXHAUST FANS WHEN COOKING EQUIPMENT GENERATES HEAT

- FAN CONTACTOR BY E.C. SEE E6.0 SHEET FOR DETAILS.

THREADED INTO QUIK SEAL (ADAPTER BODY)

0.50" QUIK SEAL (ADAPTER BODY)

VULCAN CALSTAT

0.50" QUIK SEAL (WASHER)

EXTERNAL SURFACE OF DUCT OR HOOD PLENUM AREA (BEHIND FILTERS), OR TOP OF HOOD CAVITY.

1.125" - 1.250" DIAM. HOLE

0.50" QUIK SEAL (LOCKWASHER)

0.50" QUIK SEAL (NUT)

EXTENSION RING, TACK WELD TO HOOD OR DUCT TO SECURE INSTALLATION.

ADDITIONAL QUESTIONS?? CONTACT, STRATOVENT VENTILATION HOODS, 919-573-4250 - 251-490-6114 JEFF.JOHNSON@STRATOVENT.COM

SPECIFICATIONS:

- VULCAN CALSTAT, 1E289-85, NORMALLY OPEN DRY CONTACT
- SENSOR FACTORY SET AT 85°
- FIELD ADJUSTED W/SET SCREW, CW INCREASE, CCW DECREASE, 30F PER REVOLUTION
- RATED FOR 10 AMPS @ 120 VAC, 5 AMPS @ 240 VAC
- SHIPPED LOOSE BY HOOD VENDOR FOR FIELD INSTALLATION.

MODIFIED: 05-05-2014

**HEAT SENSOR ATTACHMENT** N.T.S. **10**

- Hoods shall be constructed of minimum 20 gauge stainless steel with # 3 polish. All unexposed surfaces shall be constructed of minimum 18 gauge aluminized steel.
- UL classified aluminum or stainless steel baffle-type filters shall be easily removed for cleaning. Filter housing shall terminate in a pitched grease trough that drains into a removable stainless steel grease cup.
- UL listed and NSF approved vapor proof incandescent light fixtures pre-wired to junction box at top of hood in accordance with NEC 70.
- Pre-piped fire suppression systems shall be located on the top of the hood and provided with the hood or by a certified technician. Final location of all nozzles and fire suppression drops to be locally approved and inspected.
- Hood(s) shall be fabricated in accordance with NFPA Bulletin #96 and shall bear the NSF Seal of Approval. Hoods shall be listed under UL 710 EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT, Certified by ETL under FILE# 3054804-001.

**HOOD NOTES AND SPECS (TYP)** N.T.S. **6**

THIS HOOD DESIGN IS BASED UPON STRATOVENT, MODEL SVND2, MANUFACTURED BY STRATOVENT VENTILATION HOODS, RALEIGH, NC 27616 CONTACT: JEFF JOHNSON, 251-490-6114

### INSTALLATION: DUCT TEMPERATURE SWITCH

#### HOOD DETAIL

OPTION #1: DUCT, JUST ABOVE EXHAUST OPENINGS. MUST BE REACHABLE FROM BELOW OR THROUGH CLEAN-OUT DOOR FOR CLEANING.

OPTION #2: THROUGH ROOF OF HOOD INTO PLENUM AREA BEHIND FILTERS, LEFT OR RIGHT OF DUCT OPENING.

OPTION #3: INTO HOOD CAVITY

REAR OF HOOD

NOTE: SENSOR MUST BE INSTALLED WITH INCLUDED UL-LISTED QUICK SEAL KIT PER FACTORY GUIDELINES (SEE EXPLODED PARTS VIEW).

**STRATOVENT**

**HEAT SENSOR LOCATION**

MODIFIED: 05-05-2014

ADDITIONAL QUESTIONS?? CONTACT, STRATOVENT VENTILATION HOODS, 919-573-4250 - 251-490-6114 JEFF.JOHNSON@STRATOVENT.COM

**HEAT SENSOR LOCATION** N.T.S. **12**

HOOD #	1 OF 1	MODEL #	STRATOVENT SVBD2
LENGTH (IN):	6'-3"	WIDTH (IN):	36"
EXHAUST CFM:	1050	SUPPLY CFM:	BY RTU-SEE M1.0
EXHAUST SP:	0.9" (HOOD + DUCT)	SUPPLY SP:	NA
EXHAUST FPM:	1512	SUPPLY FPM:	NA
EXH. SIZE:	10"X10"	SUP SIZE:	NA
FILTERS: (4)	16"X16"	FILTERS: ( )	300 LBS
FIRE SUPPRESSION:	ANSUL-R102	FILTER TYPE:	STAINLESS BAFFLE
LIGHT QTY: (3)	A19/ CFL	CONTROL SWITCH:	BY G.C.

DESIGN NOTES:

- STRATOVENT HOODS ARE ETL LISTED TO UL-710 STANDARDS, 3054804-001
- MODEL SVBD2 IS A NON-CANOPY HOOD. \*LISTED\* VALUES ARE UTILIZED FOR AIRFLOW, OVERHANGS AND TEMPERATURE RATINGS.
- 18/20 GAUGE MINIMUM S/S ON EXPOSED SURFACES PER NFPA
- HOOD IS PRE-PIPED FOR ANSUL R102. FIELD HOOKUP BY OTHERS
- INSTALLER TO REVIEW ELECTRICAL SHEETS FOR HOOD AND FAN WIRING. STRATOVENT DOES NOT PROVIDE A CONTROL BOX IN THE "BASE" PACKAGE.

**PLAN VIEW**

NEW WALL CONSTRUCTION: REFER TO SHEET A1.0

3" INTEGRAL REAR STAND-OFF, FACTORY INSULATED. HOOD ASSEMBLY IS LISTED AND LABELED FOR ZERO CLEARANCE TO COMBUSTIBLE IN THE REAR. ARCHITECT MUST VERIFY COMPLIANCE WITH ALL LOCAL CODES CONCERNING CLEARANCES.

HOOD DETAIL 1: CORNER HANGING ANGLE (4) TYPICAL

HOOD DETAIL 2: TIMER MOUNTING CHANNEL-POWER OUTLET

27" TALL DUCT ENCLOSURE PANELS, FRONT, LEFT & RIGHT SIDES (PROVIDED WITH HOOD, GC INSTALLED).

TOP EDGE OF HOOD, LOWER, LEADING EDGE OF HOOD, 71" ABOVE FINISHED FLOOR.

TRIANGLE, END PANELS, PROVIDED BY STRATOVENT, SEE SIDE VIEW DETAIL FIELD INSTALLED BY GC.

106" X 93" L. BACKSPLASH, COVERING HOOD WALL AND 18" BEYOND THE HOOD, MINIMUM 20 GA. STAINLESS STEEL PROVIDED BY HOOD VENDOR.

**FRONT VIEW**

UPDATED: 6FT-3IN LONG VERSION, 10-10-18 J

**TACO BELL HOOD DETAIL** N.T.S. **2**

### NON-CANOPY HOOD DESIGN BASED ON:

MANUFACTURER: STRATOVENT, MODEL SVBD2  
ETL LISTED UL/ULC-710, ULC-S646: # 3054804-001  
MIN. "LISTED" AIRFLOW: 150 CFM PER LINEAR FT  
DESIGN AIRFLOW: 168 CFM PER LINEAR FT  
MAX. DIST. ABOVE COOK SURFACE: 47"  
MAX. COOK SURFACE FRONT UNDERHANG: -3"  
MIN. SIDE COOK SURFACE OVERHANG: 0"  
MAX. APPLIANCE COOKING TEMPERATURE: 450 F

### LOW-PROFILE HOOD HOOD #1

DUCT TERMINATION SHALL EXPAND TO MATCH FAN INLET SIZE. DO NOT OBSTRUCT FAN INLET.

EXHAUST FAN (EF)

40" MIN. (N.T.S.)

DUCT WRAP, REFER TO DETAIL 15/M3.0

ROOF LINE

FIELD CUT OPENING, BY INSTALLER. TRANSITION PER PLANS. IF SELECTED, A HOOD MOUNTED HEAT SENSOR WILL BE FACTORY INSTALLED IN ROOF OF HOOD FOR AUTOMATIC ACTIVATION.

C.O. ACCESS DOOR, TYPICAL AT EACH ELBOW

27"H, 3-SIDED DUCT ENCLOSURE PANELS, SHIPPED LOOSE BY HOOD SUPPLIER. DESIGN FOR UP TO 9FT DROP CEILING.

16"H, UL-LISTED, S/S BAFFLE FILTERS.

3" INTEGRAL REAR STAND-OFF, FACTORY INSULATED. HOOD ASSEMBLY IS LISTED FOR ZERO CLEARANCE TO COMBUSTIBLE IN THE REAR. COMPLIANCE WITH ALL LOCAL CODES VERIFIED BY ARCHITECT.

GREASE CUP

26" X 26" END PANELS, SHIPPED LOOSE AND GC INSTALLED, PROVIDED BY HOOD VENDOR.

20 GA. MIN S/S WALL PANEL COVERING REAR WALL, EXTENDING 18" BEYOND THE HOOD. PROVIDED BY STRATOVENT.

INTERIOR WALL.

42"L X 3"H X 1.25"W, TIMER MOUNTING CHANNEL, FACTORY ATTACHED. DUAL 115V, 1PH POWER OUTLET FLUSH MOUNTED ON FACE OF HOOD WITH J-BOX ON TOP.

NOTIFY HOOD SUPPLIER IF DROP CEILING IS HIGHER OR LOWER THAN 8'-10" AFF.

**SIDE VIEW**

UPDATED: 6FT-3IN LONG VERSION, 10-10-18 J

**TACO BELL HOOD SECTION** N.T.S. **4**

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1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146  
PH. (314) 415-2400 FAX (314) 415-2300 www.arcv.com

ROBERT J. JOHNSON  
REGISTERED PROFESSIONAL ENGINEER  
No. 6201056088

2/8/23

02.08.23 CITY COMMENTS

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CONTRACT DATE:

BUILDING TYPE: M70HD

PLAN VERSION: MAJOR

BRAND DESIGNER: FRANK WACHO

SITE NUMBER: 17105

ARCVISION NUMBER: 200361

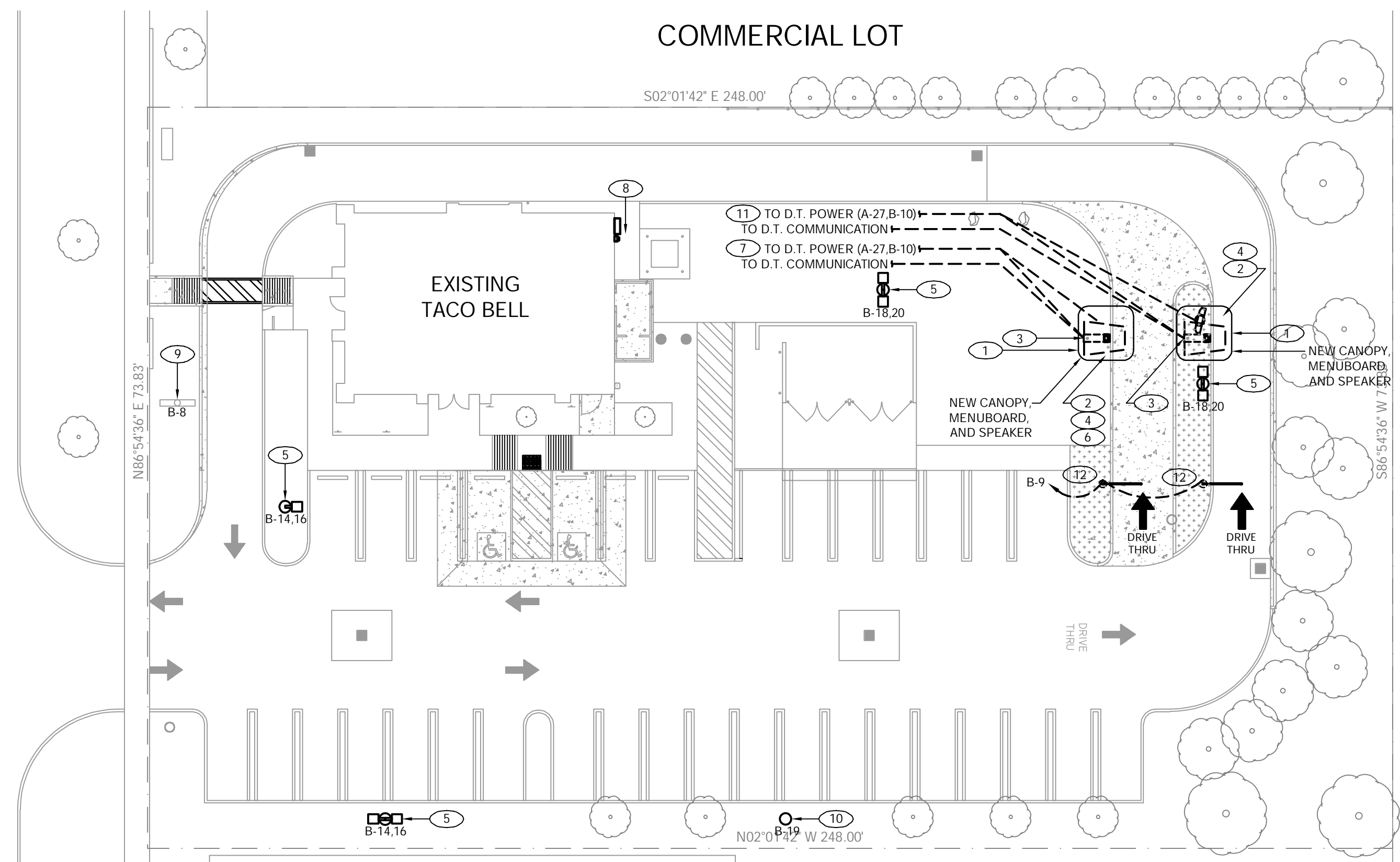
**TACO BELL**

28993 FORD ROAD  
GARDEN CITY, MI 48135

**MAJOR REMODEL HOOD DRAWINGS PLANS AND SECTIONS M2.0**

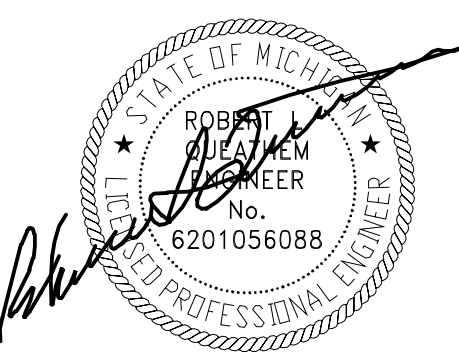
RO SET ISSUED: 10.25.22





1. PREFABRICATED MAGNETIC UNDERGROUND LOOP DETECTOR. REFER TO DETAIL 'E'. THIS SHEET.
2. MENUBOARD SYSTEM. EXTEND BRANCH CIRCUIT TO MENUBOARD. ROUTE CIRCUIT BELOW GRADE PER N.E.C.. COORDINATE WITH INSTALLER FOR STUB-UP LOCATIONS (IN FOOTING) INTO MANUFACTURER'S PROVIDED JUNCTION BOX. REFER TO MANUFACTURER'S INSTALLATION GUIDELINES AND DETAIL 'E'. THIS SHEET.
3. ORDER SPEAKER POST AND DRIVE THRU CANOPY. FIELD VERIFY EXACT REQUIREMENTS AND LOCATION OF CANOPY AND SPEAKER POST UNIT. COORDINATE INSTALLATION WITH OWNER, CIVIL AND SITE DRAWINGS. SET CONDUITS IN-PLACE PRIOR TO FORMS BEING POURED, PROVIDE STUB-UPS UNDER PROPOSED CANOPY. MENUBOARD AND SPEAKER POST. MAKE ALL FINAL CONNECTIONS (REFER TO MANUFACTURER'S INSTALLATION GUIDELINES FOR INFORMATION). PROVIDE (1) 1" CONDUIT (BELOW-GRADE) FOR POWER OR CANOPY LIGHTING FROM MENUBOARD. (1) 1" CONDUIT (BELOW-GRADE) FOR POWER BETWEEN CANOPY AND SPEAKER POST AND (2) 1" CONDUITS (BELOW-GRADE) FOR COMMUNICATIONS FROM SPEAKER POST TO INTERIOR DRIVE THRU AREA. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS. CANOPY LIGHTING SHALL BE CONTROLLED VIA EXTERIOR SIGN LIGHT CONTROL SYSTEM (TIMECLOCK).
4. SEE MENU REQUIREMENTS (BOX NOTE) THIS SHEET FOR INFORMATION.
5. EXISTING SITE LIGHT ON EXISTING POLE AND BASE TO REMAIN. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. VERIFY PROPER OPERATION. REPAIR NON-OPERATIONAL COMPONENTS IF NEEDED AND RETURN TO SERVICE.
6. CONTRACTOR IS TO REMOVE UNUSED CIRCUITS BACK TO SOURCE OR BACK TO A SUITABLE LOCATION FOR ACCESS. PROVIDE (CODE APPROVED) JUNCTION BOX, CAP WIRING AND LABEL WITH CIRCUIT INFORMATION.
7. CONTRACTOR TO VERIFY EXISTING DRIVE THRU SYSTEM POWER AND COMMUNICATIONS INCLUDING EXISTING BRANCH CIRCUITING PRIOR TO ANY WORK. LOCATE AND EXTEND/REUSE AS MUCH OF THE EXISTING DRIVE THRU CONDUIT AND WIRE RUNS, AS POSSIBLE. PROVIDE NEW AS DIRECTED AND AS NEEDED.
8. APPROXIMATE LOCATION OF EXISTING ELECTRICAL SWITCHGEAR.
9. EXISTING SIGN TO REMAIN.
10. EXISTING LIGHTING BOLLARD TO REMAIN.
11. (2) SETS OF 2#8, 1#10G, 1#10ISO G, IN 1".
12. NEW CLEARANCE BAR. VERIFY WORK AND BRANCH CIRCUIT REQUIREMENTS PRIOR TO WORK. PROVIDE A TIME-CLOCK CONTROLLED, UNDERGROUND BRANCH CIRCUIT FROM A U.L. APPROVED PENETRATION THROUGH EXTERIOR WALL TO ROUGH-IN LOCATIONS. SET CONDUIT PRIOR TO FORMS BEING POURED. PROVIDE A LOCAL NEMA-3R SWITCH (IF REQUIRED). MAKE FINAL CONNECTIONS. COORDINATE WITH CIVIL PLANS FOR EXACT SITE LOCATION.

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10/27/22

**SITE ELECTRICAL PLAN** SCALE: 1" = 20'-0" **A**

- A.** THE ELECTRICAL CONTRACTOR SHALL BE OBLIGATED TO VISIT THE JOB SITE PRIOR TO SUBMITTING HIS BID TO INSURE THAT THE EXISTING SERVICE EQUIPMENT (METER, MAIN DISCONNECT SWITCH, PANELBOARDS, ETC.) ARE CORRECT AND COMPLIANT TO THE ADOPTED VERSION OF THE N.E.C. AND LOCAL GOVERNING CODES. THE CONTRACTOR'S INSPECTIONS SHALL INCLUDE STRUCTURAL MOUNTING OF EQUIPMENT, GROUNDING AND WEATHER-PROOFING, ETC. THE CONTRACTOR WILL NOT BE PAID COMPENSATION FOR HIS FAILURE TO VISIT THE JOB SITE.
- B.** ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST MUNICIPALITIES ADOPTED EDITION OF THE N.E.C. AND LOCAL CODES.
- C.** IF DRAWINGS ARE INCORRECT FROM ACTUAL SITE CONDITIONS, ELECTRICAL CONTRACTOR SHALL NOTIFY ENGINEER(S) AND PROVIDE INFORMATION REFLECTING ACTUAL CONDITIONS.
- D.** COORDINATE FINAL DESIGN WITH SITE PLAN 'C'-SHEETS'.

**MENU NOTE**

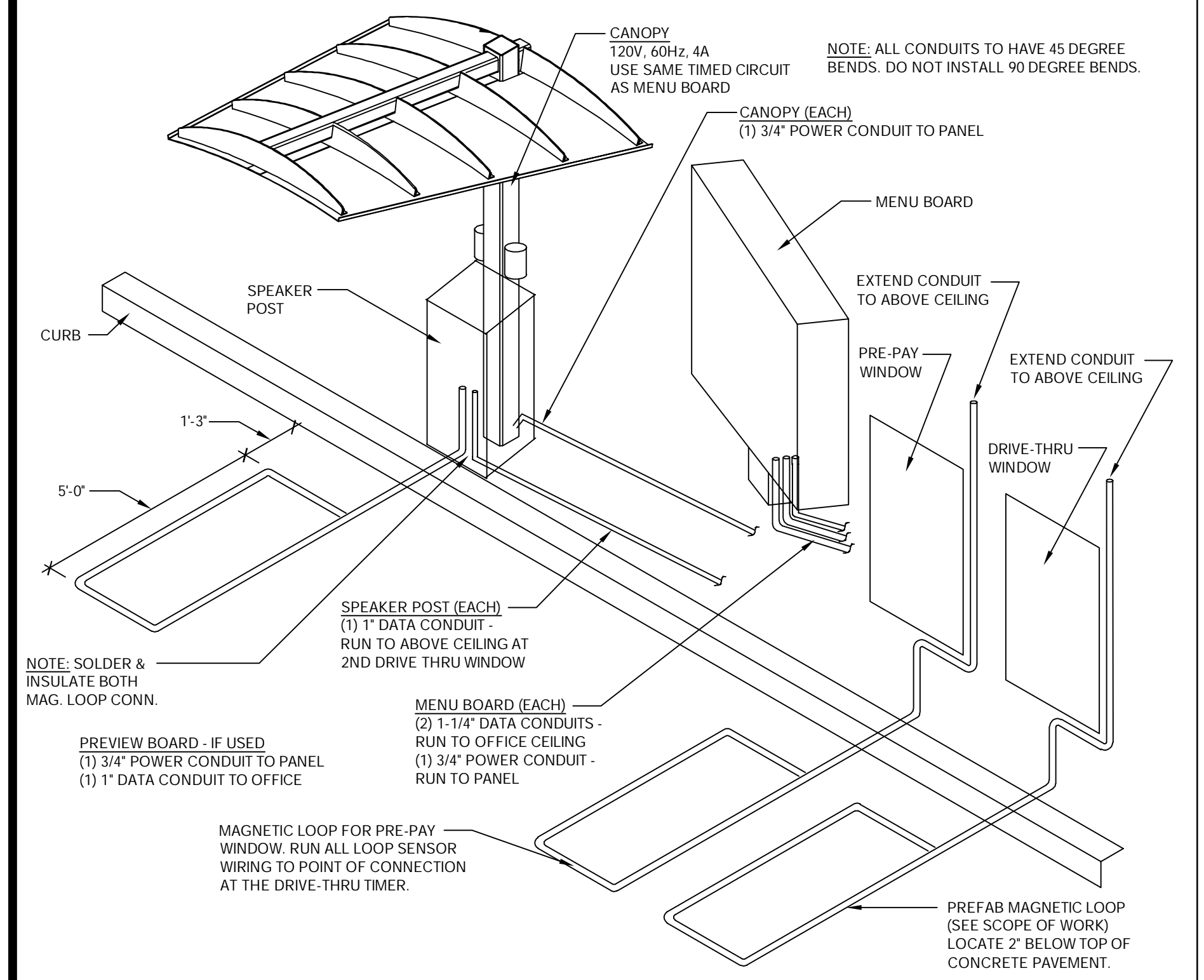
**REQUIREMENTS FOR MENU BOARD:**  
 (1) 1" CONDUITS TO DRIVE THRU COMMUNICATIONS SYSTEM (WITH PULLWIRE)  
 (1) (2-DEDICATED SETS) 2#10, 1#10G AND 2#10, 2#10G/G. IN (1) 1" CONDUIT TO 120V SOURCE (SEE PLAN FOR CIRCUIT)

**REQUIREMENTS FOR SPEAKER POST:**  
 (1) 1" DATA CONDUIT TO DRIVE-THRU COMMUNICATIONS SYSTEM (WITH PULLWIRE)  
 (1) 1" DATA CONDUIT TO DRIVE THRU LOOP-DETECTION SYSTEM (WITH PULLWIRE)

**REQUIREMENTS FOR CANOPY:**  
 (1) 2#10, 1#10G IN 1" CONDUIT TO 120V TIME-CONTROLLED SOURCE (SEE PLAN FOR CIRCUIT)

**CONTRACTOR NOTE**

CONTRACTOR SHALL USE EXISTING SPARE/SPACE OR REUSE EXISTING BRANCH CIRCUITS FOR LIGHTING, POWER AND SIGNAGE REMODEL. NEW/REUSED BRANCH CIRCUIT(S) SHALL MATCH THE MANUFACTURER'S PUBLISHED ELECTRICAL CHARACTERISTICS OF PROPOSED EQUIPMENT, AS WELL AS MATCHING THE CHARACTERISTICS OF SOURCE PANEL. WHERE APPLICABLE, CONTRACTOR SHALL PROVIDE ADDITIONAL ELECTRICAL DEVICES NECESSARY FOR COMPLIANCE (E.G. SHUNT-TRIP, OVER-RIDE, ADDITIONAL CONTROL, ETC.). REPLACE BRANCH CIRCUIT(S) IF CHARACTERISTICS DO NOT MATCH REPLACEMENT EQUIPMENT. REUSED, EXISTING BRANCH CIRCUIT SUPPLYING MULTIPLE OUTLETS SHALL BE VERIFIED FOR INTEGRITY AND CAPACITY OF ALL EQUIPMENT INSTALLED ON THAT CIRCUIT. ALL EXISTING NEW BRANCH CIRCUITS BEING UTILIZED FOR THIS BUILDING RENOVATION SHALL BE FIELD-VERIFIED FOR INTEGRITY. CAPACITY (80% OF RATED BREAKER) AND SHALL MEET CURRENTLY ADOPTED NATIONAL ELECTRICAL CODE COMPLIANCE AS WELL AS ADDITIONAL REQUIREMENTS CONTAINED IN THESE DOCUMENTS. SEE DEMOLITION DRAWINGS FOR REMOVED EQUIPMENT. ALL NEW CONDUCTORS SHALL BE IN CONDUIT AND CONCEALED IN WALLS ABOVE CEILINGS OR UNDER-GRADE.



**MENUBOARD/ OCB POWER & COMMUNICATIONS COMPONENT DETAIL** N.T.S. **E**

**ADDITIONAL NOTES** **D**

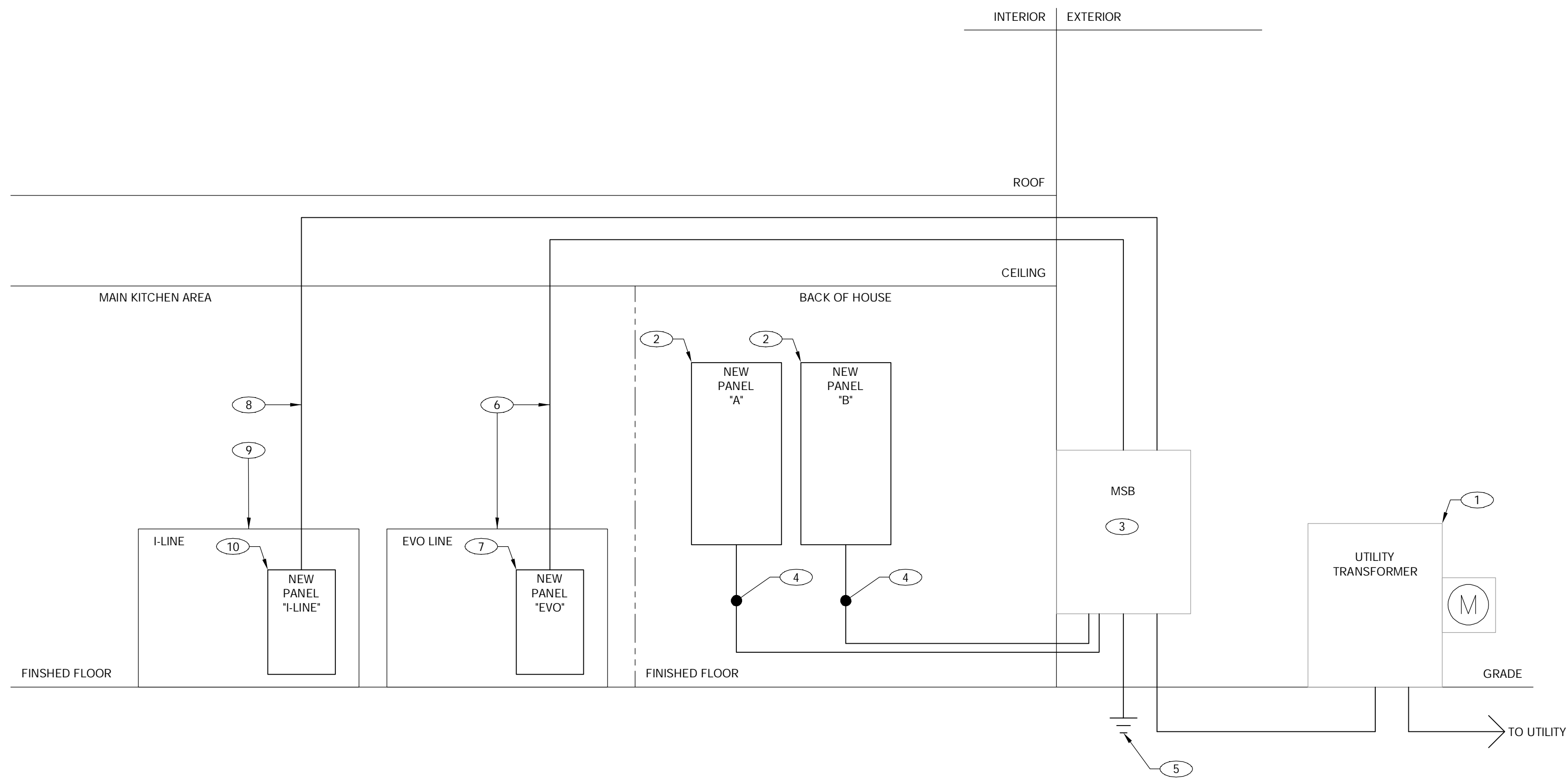
**SITE GENERAL NOTES** **C**

**PLAN KEYED NOTES** **B**

CONTRACT DATE: \_\_\_\_\_  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

**MAJOR REMODEL**  
 SITE ELECTRICAL PLAN  
**E1.0**  
 R0 SET ISSUED: 10.25.22



REFER TO SHEET E2.1 FOR PANEL INFORMATION.

- EXISTING ELECTRICAL SERVICE, METER, AND EQUIPMENT TO REMAIN.
- PROVIDE NEW 225-AMP, 120/208-VOLT, 3-PHASE, 4-WIRE BRANCH PANELBOARD. PANELBOARD SHALL BE PROPERLY RATED TO MATCH MAIN OVER-CURRENT CONTROL DEVICE AND "MSB" ELECTRICAL CHARACTERISTICS. SEE PLANS FOR NEW WORK ON NEW DOWNSTREAM BRANCH CIRCUITS AND RE-CONNECT EXISTING/RE-USED DEVICES TO NEW PANELBOARD BRANCH CIRCUITS AS INDICATED.
- EXISTING 600A MAIN DISTRIBUTION PANEL "MSB" TO REMAIN. VERIFY EXISTING PANEL MAIN BREAKERS FOR PROPER OPERATION PER MANUFACTURER'S SPECIFICATIONS. REPLACE CIRCUIT BREAKERS WITH DAMAGED/BROKEN HANDLES. PROVIDE NEW (1)125-AMP, 3-POLE CIRCUIT BREAKER IN AVAILABLE SPACE IN "MSB" FOR NEW I-LINE PRODUCTION LINE (PANEL "I"). SEE PANEL SCHEDULES FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- EXISTING PANEL FEEDER TO REMAIN. RECONNECT TO NEW PANELBOARD.
- EXISTING SERVICE GROUNDING SYSTEM TO REMAIN. VERIFY COMPLIANCE OF NEW WORK WITH CURRENT LOCAL ELECTRICAL CODE.
- NEW EVO PRODUCTION LINE TABLE TO REPLACE PREVIOUSLY DEMOLISHED EVO LINE. WITHIN APPROXIMATELY 1'0" OF ORIGINAL LOCATION. SEE DEMOLITION SHEETS FOR PREVIOUS LOCATION. CONTRACTOR TO FIELD-VERIFY PRODUCTION LINE PANEL BRANCH FEEDER CONTINUITY, CODE COMPLIANCE AND IF EXISTING PRODUCTION LINE PANEL BRANCH FEEDERS ARE OF ADEQUATE LENGTH FOR REUSE FOR THE NEW REPLACEMENT PRODUCTION LINE. REPLACE COMPLETE FEEDER, AND BRANCH BREAKER FROM SOURCE ONLY IF REQUIRED.
- INTEGRATED PRODUCTION LINE "EVO" PANEL (FURNISHED WITH LINE). SEE MANUFACTURER'S SPECIFICATION SHEETS AND DEMOLITION SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FEEDER FROM NEW BREAKER IN "MSB" (4#1,1#6G,1#6ISO, IN 2"C).
- NEW I-PRODUCTION LINE TABLE. SEE PLANS FOR LOCATION.
- INTEGRATED PRODUCTION LINE "I" PANEL (FURNISHED WITH LINE). SEE MANUFACTURER'S SPECIFICATION SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW PANEL FEEDERS (4#3/0,1#6G, IN 2"C).

- A.I.C. RATINGS SHALL EXCEED THAT OF THE FAULT-CURRENT PROVIDED BY THE SERVING UTILITY COMPANY. ALL BRANCH DEVICES CONNECTED DOWNSTREAM OF MSB SHALL BE U.L. LISTED AND APPROVED TO SERIES RATE WITH ALL COMPONENTS OF THIS ELECTRICAL SYSTEM. COORDINATE WITH CONSTRUCTION MANAGER FOR APPROVAL.
- SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT.
- IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE CONSTRUCTION ENGINEER FOR A DECISION BEFORE PROCEEDING. COORDINATE AVAILABLE SHORT CIRCUIT CURRENT W/ LOCAL UTILITY AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY.
- ALL WIRING SHOWN AS COPPER TYPE "THHN/THWN" FEEDERS FROM UTILITY TRANSFORMER TO MSB AND TO INTERIOR PANELS MAY BE ALUMINUM IF ALLOWED BY AHJ. ADJUST FEEDER SIZES APPROPRIATELY.
- ARMOR CABLE ACCEPTABLE FOR ALL APPLICATIONS WHERE ALLOWED BY LOCAL ELECTRICAL CODE. ALL CONDUIT MUST BE CONCEALED U.N.O.
- PROVIDE SERVICE EQUIPMENT LABELS PER LOCAL ELECTRICAL CODE.
- ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITION THAT DIFFERS FROM THAT SHOWN ON THESE PLANS SHALL BE REPORTED TO THE TENANT'S ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO THE SCOPE OF WORK WHICH RESULTS FROM THE CONTRACTOR'S NEGLIGENCE TO VISIT THE SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY.

SINGLE LINE DIAGRAM

N.T.S.

A

# DIAGRAM KEYED NOTES

B

DIAGRAM GENERAL NOTES

C

**FIRE ALARM NOTE**

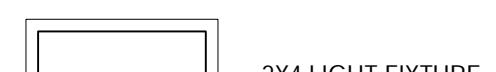
AS REQUIRED, IT SHALL BE THE GENERAL CONTRACTORS RESPONSIBILITY TO ENGAGE THE SERVICES OF AN APPROVED FIRE ALARM CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL BE REQUIRED TO PROVIDE DRAWINGS, SPECIFICATIONS & INSTALLATION ACCORDING TO MUNICIPALITIES GUIDELINES. FIRE ALARM SERVICE MAY ALSO INCLUDE PROVIDING FIRE ALARM MONITORING TO BUILDING'S INSTALLED FIRE ALARM CONTROL SYSTEM. FIRE ALARM CONTRACTOR TO PROVIDE COMPATIBLE DEVICES & ALL BRACING, WIRING, ETC. COORDINATE WITH SPRINKLER CONTRACTOR FOR DETAILS.

**LIGHTING VENDOR NOTE**

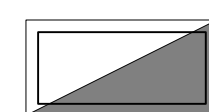
NATIONAL ACCOUNT: LIGHTING  
SUPPLY STANDARD PACKAGE  
CORPORATE AND FRANCHISE DEVELOPMENT

PRIMARY CONTACT: ASHLEY GARNER  
PHONE: (877) 707-7378  
FAX: (502) 961-0357  
EMAIL: agarner@accu-serv.com

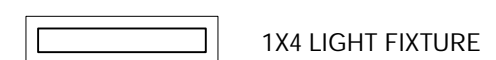
BE PREPARED AT TIME OF ORDER OR QUOTE REQUEST TO PROVIDE ALL PROJECT DETAILS REGARDING SPECIFICATIONS AND QUANTITIES AS SITE SPECIFIC DESIGN MAY NOT MATCH PROTOTYPICAL DESIGN.



2X4 LIGHT FIXTURE



2X4 LIGHT FIXTURE WITH BATTERY PACK



1X4 LIGHT FIXTURE



1X4 LIGHT FIXTURE WITH BATTERY PACK



DOWNLIGHT FIXTURE



SUSPENDED DOWNLIGHT FIXTURE



PENDANT MOUNTED LIGHT FIXTURE



TRACK MOUNTED PENDANT LIGHT FIXTURE



DIRECTIONAL FIXTURE, TRACK MOUNTED



DIRECTIONAL FIXTURE, TRACK MOUNTED TO UNDERSIDE OF INTERIOR CANOPY



COOLER FIXTURE



EXIT SIGN (WALL MOUNTED)



EXIT SIGN (CEILING MOUNTED)



SECURITY STROBE

NL NIGHT LIGHT

⊙ CEILING MOUNTED SPEAKER

⊙ WALL MOUNTED SPEAKER

⊙ JUNCTION BOX

⊙ WALL MOUNTED JUNCTION BOX

◀ TELEPHONE OUTLET

⊕ DEDICATED GROUNDED OUTLET

⊕ DUPLEX GROUNDED OUTLET

⊕ DOUBLE DUPLEX GROUNDED OUTLET

⊕ GROUND FAULT DUPLEX OUTLET

⊕ FLUSH MOUNTED CEILING GROUND FAULT DUPLEX OUTLET

⊕ GROUND FAULT DUPLEX W/ BOTTOM. HALF SWITCHED

⊕ CEILING DUPLEX OUTLET

⊕ FLUSH MOUNTED CEILING DUPLEX ISOLATED GROUND OUTLET

⊕ DUPLEX ISOLATED GROUND OUTLET

⊕ DOUBLE DUPLEX ISOLATED GROUND OUTLET

⊕ SINGLE ISOLATED GROUND

⊕ SPECIAL PURPOSE OUTLET

⊕ SPECIAL PURPOSE OUTLET (GFCI PROTECTION AT PANEL)

⊕ CEILING SPECIAL PURPOSE OUTLET

⊕ GFCI

⊕ ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHEDULE.

⊕ HOLD UP EMERGENCY BUTTON

⊕ ELECTRICAL MOTOR

⊕ DUCT MOUNTED SMOKE DETECTOR

⊕ CONNECTION TO EQUIPMENT

⊕ A-XX BRANCH CIRCUIT HOMERUN TO PANEL

⊕ DISCONNECT SWITCH (SEE NOTE FOR TYPE)

⊕ PHOTOCELL

⊕ RAIN SENSOR

⊕ WALL MOUNT LIGHT FIXTURE

⊕ EMERGENCY LIGHT

⊕ SINGLE POLE, SINGLE THROW TOGGLE SWITCH

⊕ SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT

⊕ DIMMER SWITCH WITH SEPARATE MANUAL ON/OFF

⊕ RELAY

⊕ CONDUIT RUN, UNDERGROUND

⊕ SMOKE DETECTOR

⊕ EXTERIOR WALL FIXTURE

⊕ EXTERIOR DECORATIVE WALL FIXTURE

⊕ EXTERIOR DECORATIVE WALL FIXTURE

⊕ EXTERIOR DECORATIVE WALL FIXTURE

⊕ EXTERIOR DECORATIVE WALL FIXTURE

⊕ EXTERIOR DECORATIVE WALL FIXTURE

⊕ WPG WEATHERPROOF GROUND FAULT

NOT USED

F

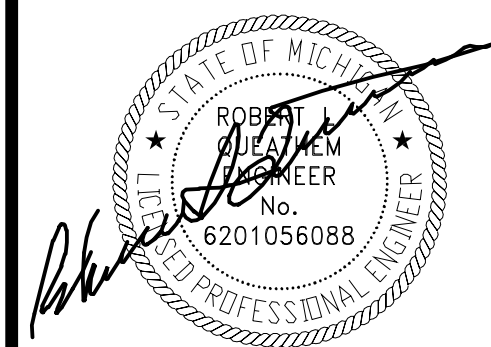
ELECTRICAL LEGEND

E

ADDITIONAL NOTES

D

**ARCVISION**  
INCORPORATED  
ARCHITECTURE • ENGINEERING • STORE PLANNING  
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1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146  
PH. (314) 415-2400 FAX (314) 415-2300 www.arcv.com



10/27/22

CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCHE  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

TACO BELL

28993 FORD ROAD  
GARDEN CITY, MI 48135



MAJOR  
REMODEL

RISER DIAGRAM  
AND LEGEND

E2.0

R0 SET ISSUED: 10.25.22



COMMERCIAL KITCHEN EQUIPMENT SCHEDULE																											
EQUIPMENT IDENTIFICATION			EQUIPMENT ELECTRICAL CHARACTERISTICS							EQUIPMENT CIRCUIT								EQUIPMENT DISCONNECT									
TAG	TYPE	EQUIPMENT NAME	PHASE	WIRES W/GND	VOLTS	MAX HP	FLA / RLA	KW	MCA	OCP			BRANCH CIRCUIT SIZE		WIRE TYPE	CONDUIT TYPE	TYPE	SIZE	NEMA	LOCATION			SUPPLIED BY	INSTALLED BY	NOTES		
										TIME-DELAY FUSE	INVERSE TIME BREAKER	SETS	BRANCH CIRCUIT	NEUTRAL						EQUIPMT	REMOTE	PANEL BOARD					
B-223	O	WATER HEATER IGNITION	1	3	120		4	0.48	4	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	MCCB	20					EC	EC	8			
B-381	O	CO2 CARBON DIOXIDE SENSOR/WARNING	1	3	120		0.3	0.04	0.3	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
C-079	KR	DUAL FRYER W/ UNDER FRYER FILTER SYSTEM	1	3	115		10	1.2	12.5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
C-107	O	REHEAT/REWARMER	1	3	115		2	0.23	2.5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
C-197	KR	SPLIT LID CLAM SHELL TOASTER	1	3	120		19.2	2.3	24	30	30	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	30	5-30				ES	ES				
C-254	KR	CHEESE MELTER (SINGLE)	1	3	208		16	3.3	20	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	6-20				ES	ES				
C-400	O	COOK TIMER	1	3	120		3.5	0.42	4.4	15	15	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	15	5-15				ES	ES	2			
E-107	O	STRATOVENT 6'-3" EXHAUST HOOD	1	3	120		9.8	1.18	12.3	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	-	20	5-20				ES	ES	8			
E-272	O	HOOD FIRE SUPPRESSION SYSTEM	1	3	120		6.3	0.76	7.9	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	-	20	5-20				ES	ES	8			
F-040	O	OFFICE COMPUTER	1	3	120		2.5	0.3	3.1	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
F-050	O	ALTERNATE PAYMENT ROUTER BOX	1	3	120																						
F-060	O	MONITOR-OFFICE	1	3	120						20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P					ES	ES				
F-080	O	OFFICE PRINTER/COPIER/FAX/SCANNER	1	3	120		2	0.24	2.5	15	15	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	15	5-15				ES	ES	2			
F-090	O	UPS (UN-INTEERRUPTABLE POWER SUPPLY)	1	3	120		4	0.48	5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
F-102	O	MONEY COUNTER	1	3	120																						
F-131	O	MUSIC SYSTEM (MUZAK)	1	3	120		4.2	0.5	5.3	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	8			
F-174	O	SAFE WITH TOUCH SCREEN CONTROLS	1	3	120		3	0.36	3.8	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
L-043	O	INTERIOR MENU BOARD PACKAGE	1	3	120		9	1.08	11.3	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
N-043	O	3-COMP POWER SOAK 102"L x 31"D (R TO L)	1	3	208		11.4	2.372	14.25	15	15	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	15	6-15				ES	ES	2			
P-362A	KR	SINGLE LINE, READY TO ACCEPT EVO CABINETS	3	4	208		-	28.8	-	125	125	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	MCCB	125	-									
P-362B	KR	DUAL LINE, 157" READY TO ACCEPT EVO CABINETS	3	4	208		-	45	-	200	200	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	MCCB	200	-									
P-417	O	8-CHANNEL TIMER	1	3	120		0.5	0.06	0.625	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	-	20	5-20									
P-452	KR	HOT WATER DISPENSER	1	3	208		19.5	4.08	24.4	30	30	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	30	6-30				ES	ES	2			
R-208	KM	FULL HT FREEZER (RIGHT HINGED)	1	3	115		9	1.035	11.25	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-15				ES	ES	2			
R-209	KM	FULL HT FREEZER (LEFT HINGED)	1	3	115		9	1.035	11.25	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-15				ES	ES	2			
S-027	KM	WARMER, EVO TACO TOWER, TB, 208V, L TO R UNIT	1	3	208		24	2.496																			
S-026	KM	WARMER, EVO TACO TOWER, TB, 208V, R TO L UNIT	1	3	208		24	2.496																			
S-026	KR	HEATED CABINET-FULL HEIGHT (RH)	1	3	120		16	1.92	20	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-027	KR	HEATED CABINET-FULL HEIGHT (LH)	1	3	120		16	1.92	20	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-065	KR	DESSERT TOWER	1	3	120		6.8	0.82	-	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-15				ES	ES	2			
S-204	O	DT/TIMING SYSTEM	1	3	120		7.2	0.86	9	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-284	KM	BEVERAGE DISPENSER - SELF SERVE	1	3	120		9.3	1.116	11.6	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-285	KM	BEVERAGE DISPENSER - DRIVE THRU	1	3	120		10.8	1.296	12.8	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-286	O	WATER FILTER SYSTEM	1	3	120		2	0.24	2.5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	-	20	5-20				ES	ES	2			
S-489	KR	DIGITAL SCALE																									
S-513-1	KM	ICE MAKER S/S & DT (2)	1	3	120		2.3	0.26	2.9	15	15	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	15	5-15				ES	ES	2			
S-513-2	KM	ICE MAKER CONDENSER	1	3	208		13.2	2.61	16.5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	F	20	5-20				ES	ES	5,8			
S-240	O	ORDER CONFIRMATION BOARD/SWITCHBOX	1	3	120		1.1	0.13	1.4	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-540	KM	PEPSI BOOSTER TANK/CO2 MONITOR	1	3	120		4.7	0.54	5.9	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-546	O	ICED TEA BREWER	1	3	120		14.8	1.78	18.5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-547	O	BUNN POD BREWER	1	3	120		11.9	1.43	14.9	15	15	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	15	5-15				ES	ES	2			
S-570	KM	CABONATOR	1	3	120		7.2	0.86	9	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
S-739	KM	FROZEN BEVERAGE DISPENSER, REMOTE	1	3	208		24	5	30	30	30	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	30	6-30				ES	ES	2			
S-740	KM	FROZEN BEVERAGE CONDENSER, REMOTE	1	3	208		12	2.5	15	15	15	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	F	15	-				ES	ES	5,8			
U-011	O	BASE STATION - D/T COMMUNICATION SYSTEM	1	3	120		2	0.24	2	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
U-035	O	CCTV DVR & MONITOR	1	3	120		5	0.6	5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	15	5-15				ES	ES	2			
U-061	O	CREDIT CARD READER (VSTAT)	1	3	120		2	0.24	2.5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
U-063	O	SECURITY SYSTEM	1	3	120		2.5	0.3	2.5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
U-070	O	RECEIPT PRINTER	1	3	120		2	0.24	2	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
U-100	O	POS/ORDER ENTRY	1	3	120		3	0.36	3	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20										
U-238	O	KITCHEN MONITOR	1	3	120		5	0.6	5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	C&P	20	5-20				ES	ES	2			
W-059-1	KM	WALK-IN COOLER	3	4	208		14.2	4.86	17.8	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	-	20	15-20				ES	ES	8			
W-059-2	KM	WALK-IN FREEZER	3	4	208		11.6	3.96	14.5	20	20	1	SEE PANEL SCHEDULES, SHEET E2.1	CU	ST	-	30	15-20				ES	ES	8			

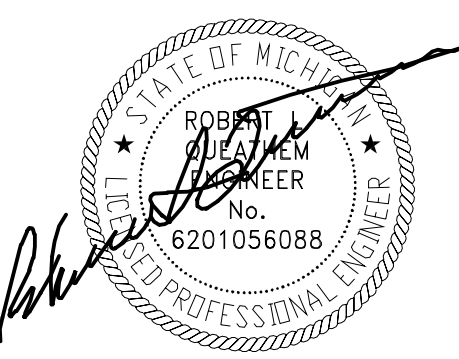
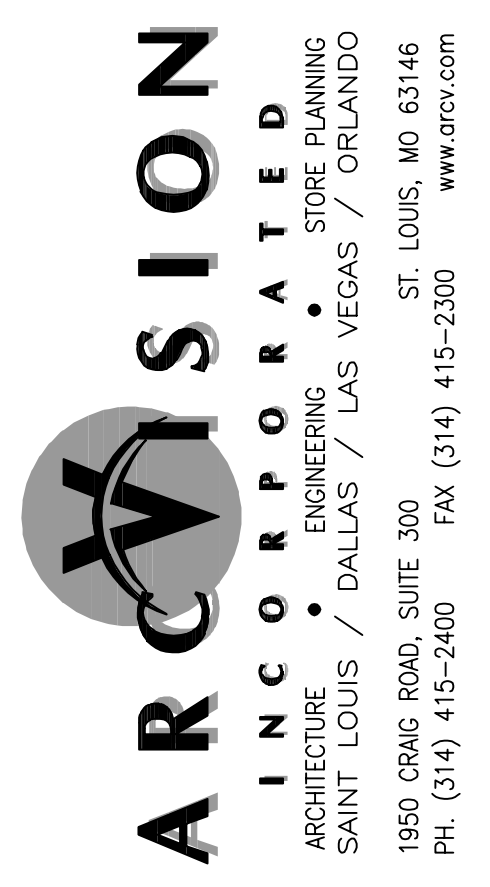
TYPE: H-HEATING, C-COOLING, R-KITCHEN RESISTIVE, KM-KITCHEN MOTOR, WH-WATER HEATER, OM-OTHER MOTORS, O-OTHER DISCONNECT TYPE: HP-HP RATED SWITCH, C&P-CORD & PLUG, LC & P-LOCKING CORD & PLUG, F-FUSED, NF-NON-FUSED, MCCB-MOLDED CASE CIRCUIT BREAKER. SUPPLIED/INSTALLED BY: EC-ELECTRICAL CONTRACTOR, HC-HVAC CONTRACTOR, PC-PLUMBING CONTRACTOR, ES-EQUIPMENT SUPPLIER

- NOTES:
- REQUIRES SHUNT TRIP PROTECTION
  - CORD & PLUG SUPPLIED AND INSTALLED BY ES. EC SHALL PROVIDE RECEPTACLE.
  - CORD & PLUG SUPPLIED AND INSTALLED BY ES. RECEPTACLE SUPPLIED BY ES AND INSTALLED BY EC.
  - CORD, PLUG, & RECEPTACLE SUPPLIED AND INSTALLED BY EC.
  - SINGLE PHASE, THREE WIRE EQUIPMENT. PROVIDE PHASE CONDUCTORS AND GROUND.
  - THREE PHASE, FOUR WIRE EQUIPMENT. PROVIDE NEUTRAL CONDUCTOR AND GROUND.
  - OUTLETS SUPPLIED AND INSTALLED BY ES. CONDUIT & WIRING PROVIDED BY EC.
  - HARD WIRED CONNECTION BY E.C.

NOT USED C

BRANCH CIRCUIT WIRING SCHEDULE							
TO BE USED FOR BRANCH CIRCUIT WIRING UNLESS NOTED OTHERWISE							
OC RATING	POLES	CONDUCTOR AND CONDUIT SIZE					
		HOT		NEUTRAL		GROUND	
		NO.	AWG	NO.	AWG	AWG	CONDUIT
15A	1	1	12	1	12	12	3/4"
	2	2	12	-	-	12	3/4"
	3	3	12	-	-	12	3/4"
20A	1	1	12	1	12	12	3/4"
	2	2	12	-	-	12	3/4"
	3	3	12	-	-	12	3/4"
25A	1	1	10	1	10	10	3/4"
	2	2	10	-	-	10	3/4"
	3	3	10	-	-	10	3/4"
30A	1	1	10	1	8	10	3/4"
	2	2	10	-	-	10	3/4"
	3	3	10	-	-	10	3/4"
35A	1	1	8	1	8	10	3/4"
	2	2	8	-	-	10	3/4"
	3	3	8	-	-	10	3/4"
40A	1	1	8	1	8	10	3/4"
	2	2	8	-	-	10	3/4"
	3	3	8	-	-	10	3/4"
45A	1	1	8	1	8	10	3/4"
	2	2	8	-	-	10	3/4"
	3	3	8	-	-	10	3/4"
50A	1	1	8	1	6	10	3/4"
	2	2	8	-	-	10	3/4"
	3	3	8	-	-	10	3/4"
60A	1	1	6	1	6	10	1"
	2	2	6	-	-	10	1"
	3	3	6	-	-	10	1"

NOTES:  
1. THE ABOVE SCHEDULE IS BASED ON COPPER, 75 DEGREE CONDUCTORS

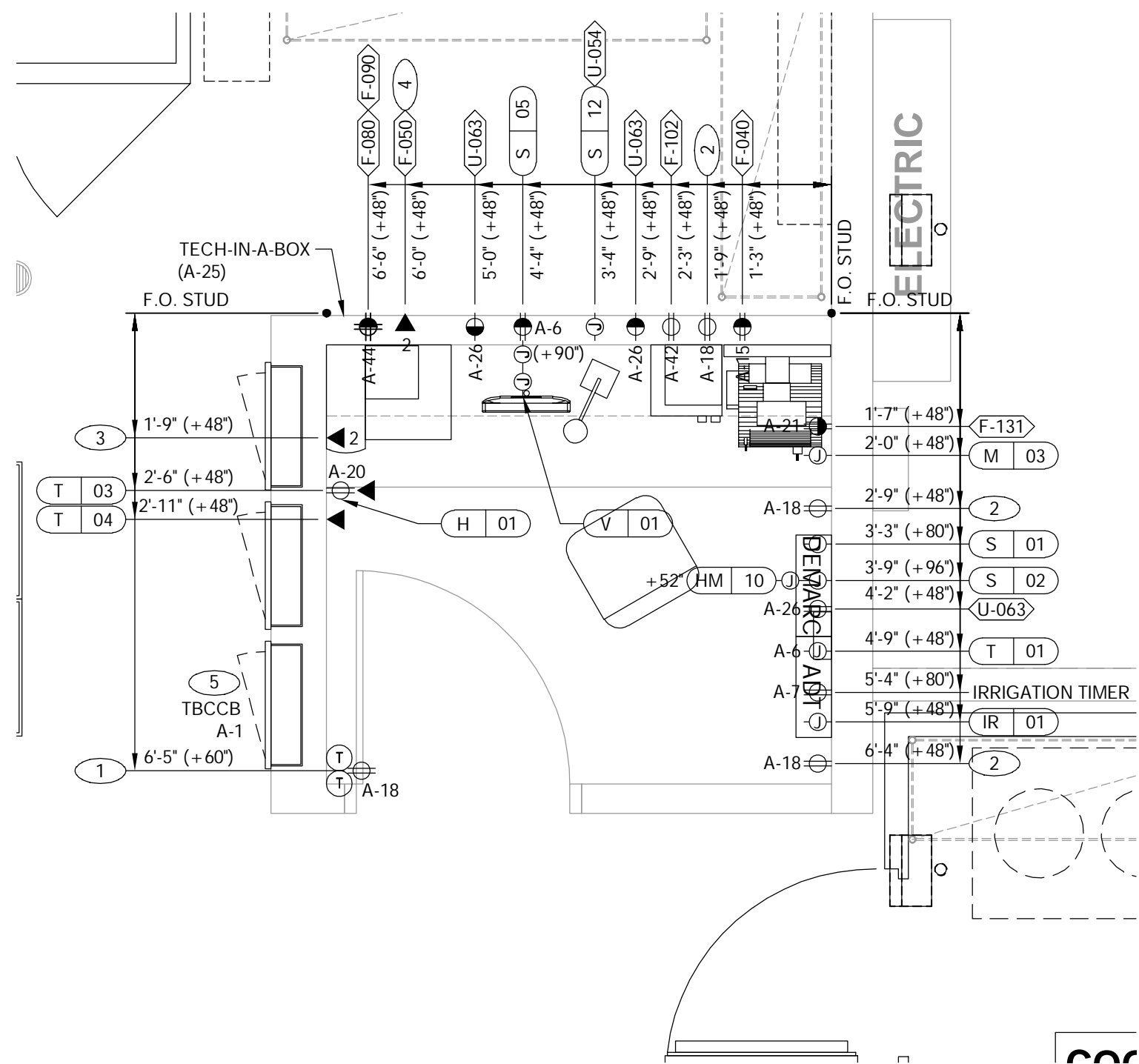


10/27/22

CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR



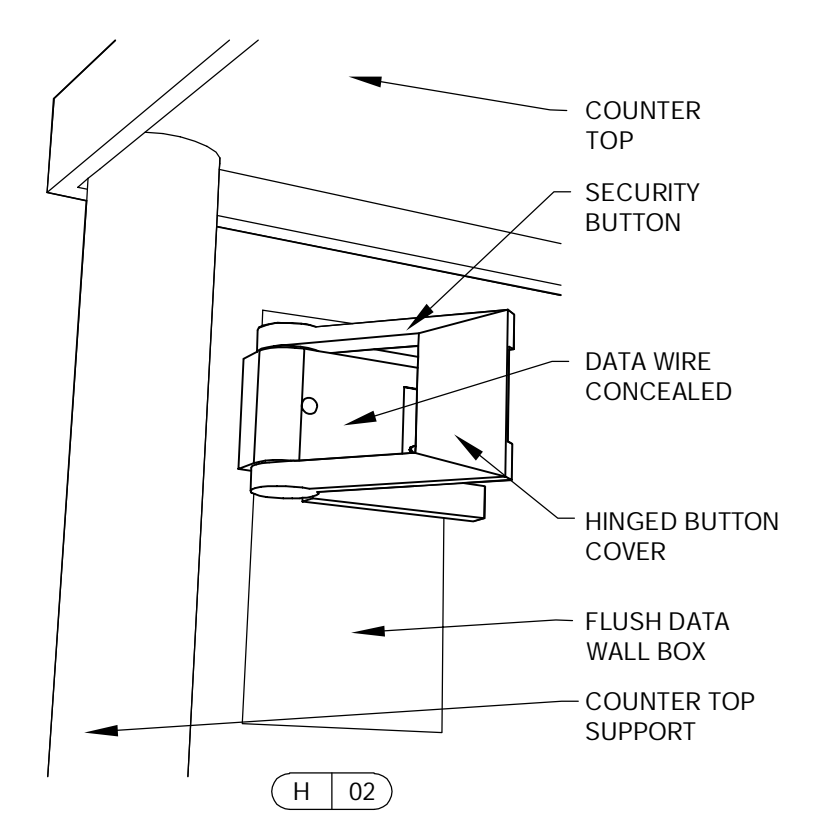




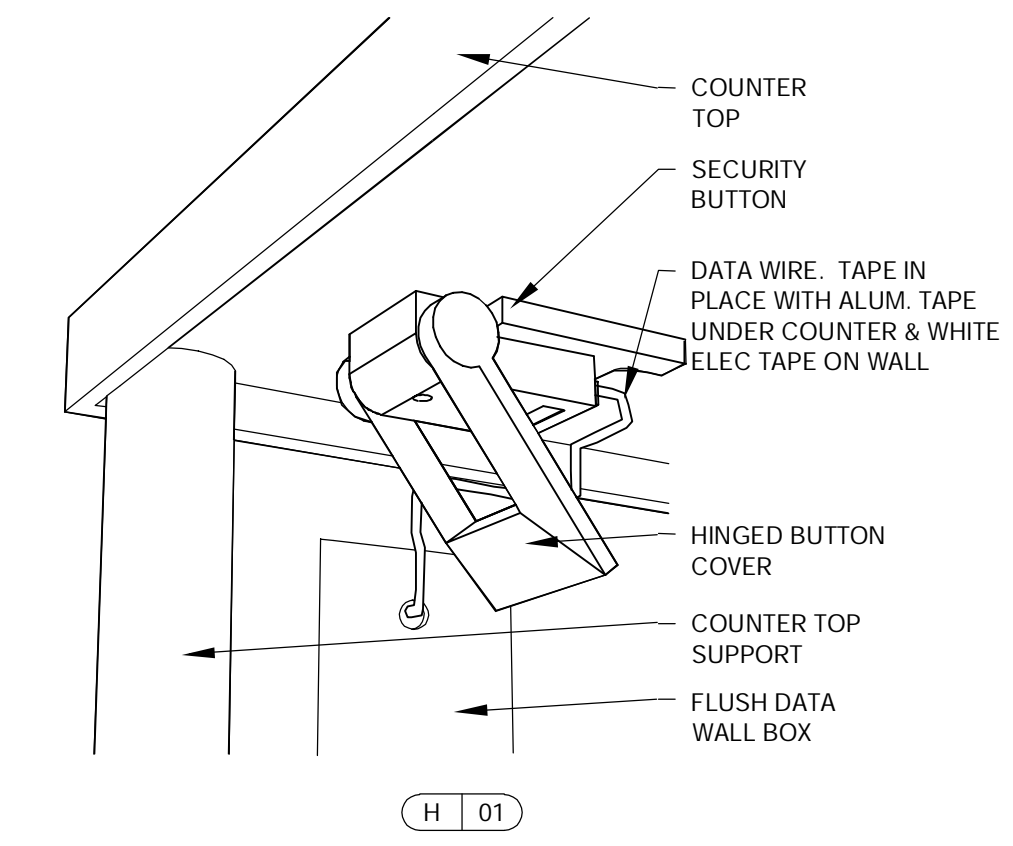
TBCCB AND TBANS REQUIRE VISUAL INSTALLATION VERIFICATION CERTIFICATE. CONTACT CERTIFY@ACE-BCX.COM OR CALL (949)-110-2222 FOR CERTIFICATE. SEE SHEET SW2.0.

REFER TO COMMUNICATIONS SCHEDULE ON SHEET E5.0 FOR EQUIPMENT DESCRIPTIONS/MOUNTING HEIGHTS.

1. THERMOSTAT CONTROLS.
2. CONTROLLED RECEPTACLE (TBCCB OPTION). CIRCUIT THROUGH TBCCB CONTROL BOX (INSTALLED IN THE OFFICE) AND CONTROLLED VIA OCCUPANCY/VACANCY SENSOR, BUILT INTO FRONT OF THE CONTROL BOX. SEE E6X SERIES SHEETS FOR ADDITIONAL INFORMATION. RECEPTACLE SHALL BE PERMANENTLY MARKED, U.L. LISTED AND PROVIDE INDICATION OF CONTROLLED RECEPTACLE, FOR EACH REQUIRED RECEPTACLE.
3. DATA JACK FOR TECH-IN-A-BOX WITH 2 PORTS.
4. PHONE JACK FOR MODEM.
5. LOCATION OF TACO BELL COMBINED CONTROL BOX - TBCCB. CONTRACTOR TO VERIFY FINAL LOCATION. CONSIDER OPERATOR NEED TO ACCESS SWITCHES ON THE FRONT OF THE CONTROL BOX AND BUILT-IN OCCUPANCY SENSOR FOR MANAGER'S OFFICE. UTILIZE TIME CLOCK CONTROLS FOR LIGHTING CIRCUITS. SEE SHEET E6.0 FOR ADDITIONAL INFORMATION.



SECURITY BUTTON ON WALL N.T.S.



SECURITY BUTTON UNDER COUNTER N.T.S.

THE DEDICATED POS POWER CIRCUIT REQUIRES AN ISOLATED GROUND IN ADDITION TO THE NORMAL COMMON BUILDING GROUND. THE ISOLATED GROUND WIRE SERVES TWO PURPOSES:

- \* AS A SAFETY PATH TO GROUND.
- \* AS A ZERO REFERENCE POINT FOR ALL POS DIGITAL LOGIC.

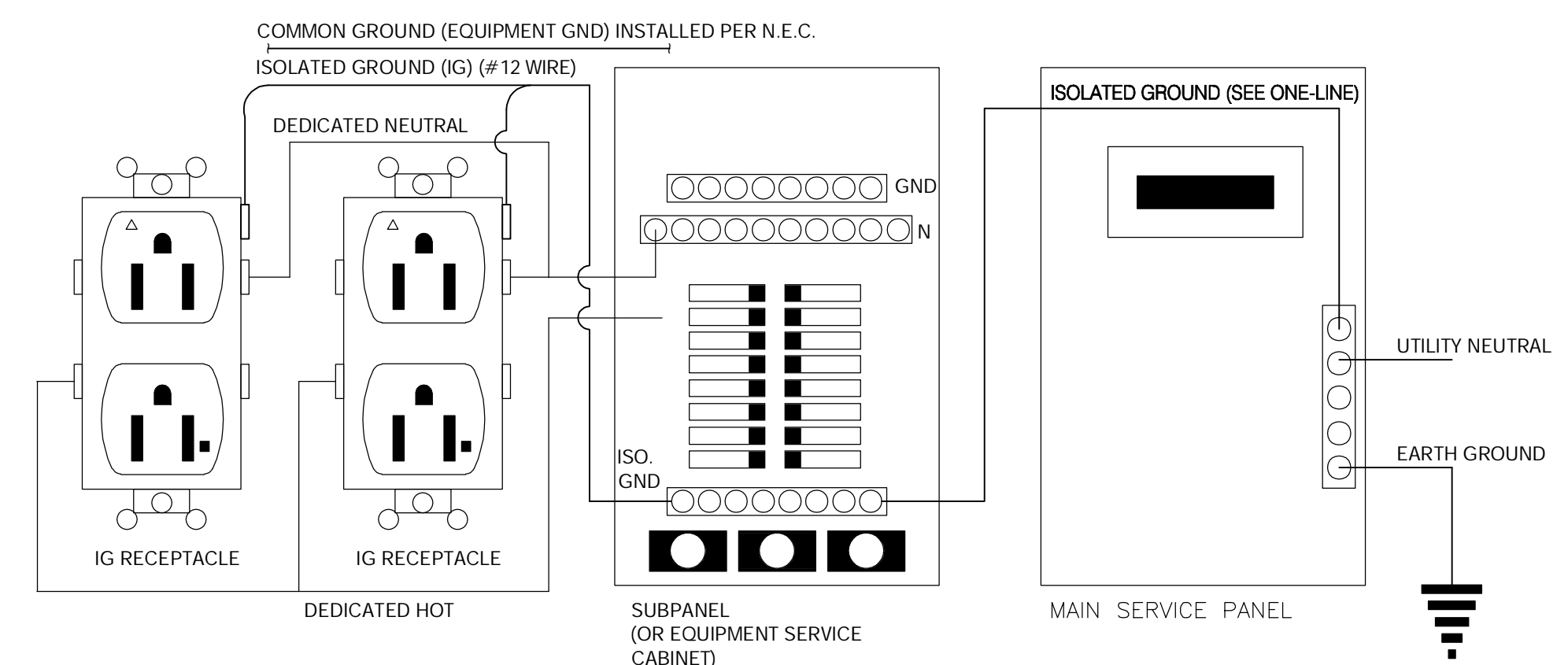
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

BE SURE TO:

- \* USE AN ISOLATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.
- \* RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.
- \* INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.
- \* CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.
- \* VERIFY THAT IG RECEPTACLES PRE-WIRED IN OWNER SUPPLIED EQUIPMENT HAVE A TRUE ISOLATED GROUND THAT CAN BE TRACED BACK TO THE BUILDING GROUND AT THE MAIN SERVICE PANEL/SWITCH.

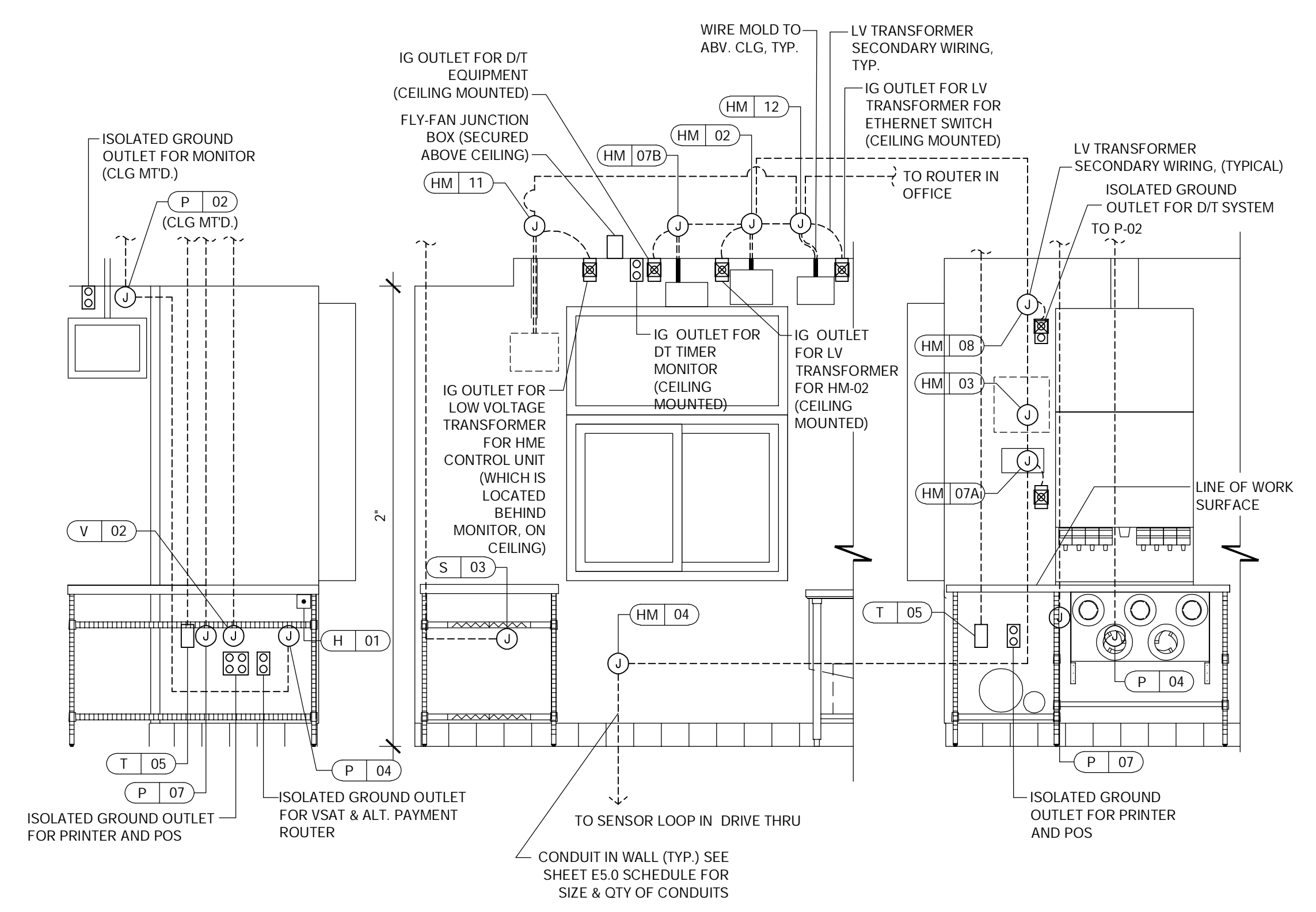
DO NOT CONNECT THE ISOLATED GROUND WIRE TO THE CONDUIT, JUNCTION BOXES, THE FRAME ON A SUBPANEL, OR ANY OTHER METAL SURFACE.

DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE 'PHASE ALIGNED' WITH THE 'B' PHASE OF SUBPANEL IN WHICH IT IS INSTALLED.



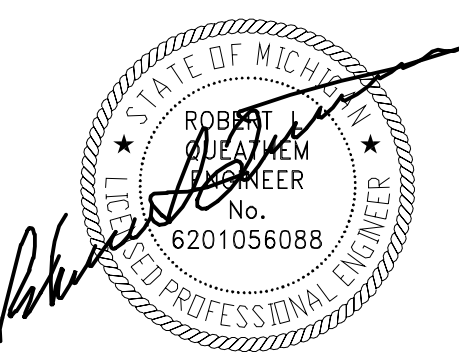
NOTE: USE GFCI BRANCH CIRCUIT BREAKERS FOR ISOLATED GROUND OUTLET CIRCUITS.

P.O.S. ISOLATED GROUND SYSTEM N.T.S.



REFER TO COMMUNICATIONS SCHEDULE ON SHEET E5.0 FOR EQUIPMENT DESCRIPTIONS/MOUNTING HEIGHTS.

DRIVE-THRU COMPONENT RELATION DETAIL SCALE: 1/2" = 1'-0"



10/27/22

CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCHE  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

**TACO BELL**  
28993 FORD ROAD  
GARDEN CITY, MI 48135



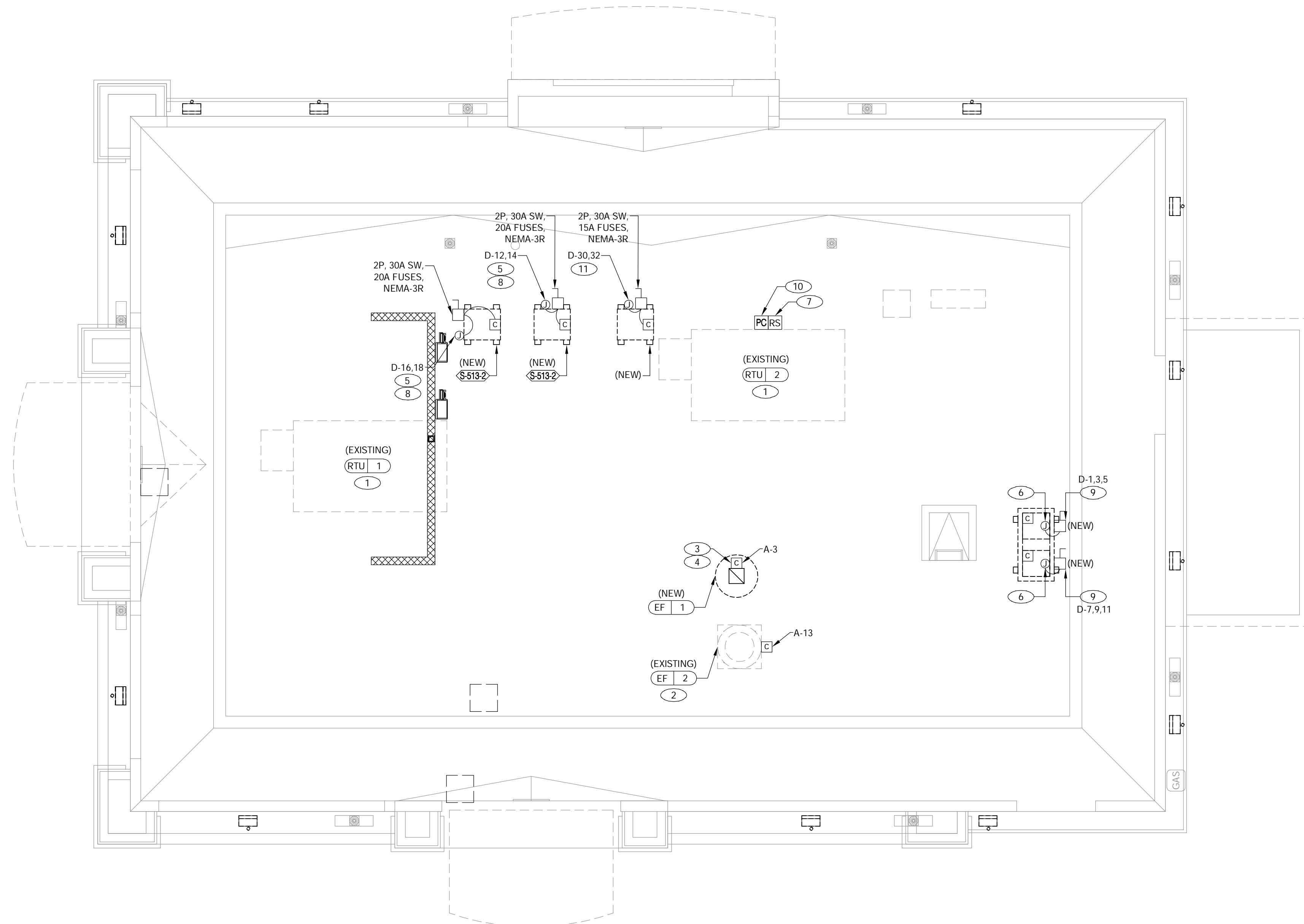
ENLARGED  
POWER PLAN  
AND DETAILS

**E3.1**

R0 SET ISSUED: 10.25.22

PLAN NOTE

BRANCH CIRCUITS INSTALLED IN AREAS SLATED FOR DEMOLITION SHALL BE DISCONNECTED AND REMOVED BACK TO AN ACCESSIBLE LOCATION, TAGGED WITH CIRCUIT INFORMATION AND PROVIDED WITH PROTECTION FROM DEBRIS. CIRCUIT(S) THAT ARE TO BE REUSED SHALL BE RE-ROUTED (PROVIDE BRACING AS REQUIRED) TO AVOID DEMOLISHED AREA(S) AND RECONNECTED TO THE NEXT ELECTRICAL DEVICE IN THE RUN. CONTRACTOR TO VERIFY CIRCUIT INTEGRITY OF ALL MODIFIED CIRCUITS. VERIFY SERVING PANEL, BREAKERS AND BREAKER-OPTIONS FOR COMPLIANCE TO THE CURRENTLY ADOPTED ELECTRICAL STANDARDS

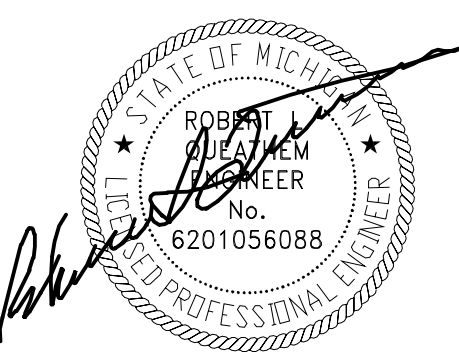


1. EXISTING RTU TO REMAIN. VERIFY AT LEAST (1) MAINTENANCE RECEPTACLE EXISTS WITHIN 25'-0" OF MECHANICAL EQUIPMENT. PROVIDE NEW AS REQUIRED BY LOCAL CODE.
2. EXISTING EXHAUST FAN TO REMAIN. EXTEND EXISTING WIRE AND CONDUIT TO NEW CIRCUIT AS INDICATED. CONNECT EF-2 RELAY TO TBCCB CONTROL BOX FOR CONTINUOUS OPERATION DURING OCCUPIED HOURS.
3. POWER AND CONTROL ENTRY FROM BOTTOM OF UNIT.
4. CONNECT TO EF-1 RELAY, IN TBCCB CONTROL BOX.
5. 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE ICE MACHINE. MAKE CONNECTION TO ICE MACHINE AND CONDENSING UNIT.
6. REFER TO POWER PLAN FOR CONTINUATION TO COOLER / FREEZER. VERIFY EXACT LOCATION IN FIELD.
7. MOUNT PHOTOCELL ON NORTH SIDE OF RTU. CONNECT TO EXTERIOR LIGHTING CONTROL PANEL.
8. ELECTRICAL CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS INCLUDING ALL NECESSARY INTERCONNECTIONS BETWEEN THE COMPRESSOR ON THE ROOF AND THE EVAPORATOR IN THE ICE MACHINE AS REQUIRED. REFER TO THE MANUFACTURER'S SHOP DRAWINGS FOR EXACT INSTALLATION AND INTERCONNECTION REQUIREMENTS PRIOR TO ROUGH-IN INSTALLATION.
9. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND FURNISH AND INSTALL EVERYTHING AS REQUIRED.
10. PROVIDE AN ADDITIONAL EMPTY CONDUIT AND NEMA-3R JUNCTION BOX MOUNTED NEXT TO TIMECLOCK PHOTOCELL FOR IRRIGATION RAIN GAUGE. SECURELY MOUNT TO STRUCTURE.
11. 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE FROZEN BEVERAGE MACHINE. MAKE CONNECTION TO BEVERAGE MACHINE AND ASSOCIATED CONDENSING UNIT.

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

- A. NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.
- B. ALL CUTS IN ROOFING MEMBRANE SHALL BE MINIMAL AND IN ACCORDANCE WITH ROOFING MANUFACTURER'S AND INSTALLER'S REQUIREMENTS.
- C. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT ELECTRICAL REQUIREMENTS.
- D. ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS U.O.N.
- E. REFER TO MECHANICAL DRAWINGS, EQUIPMENT SCHEDULE AND ROUGH-IN PLANS FOR SPECIFICATIONS.
- F. ALL CONDUITS FROM EXHAUST FANS SHALL BE ROUTED INSIDE OF CURB.
- G. ALL CONDUITS TO AND FROM RTU SHALL BE ROUTED INSIDE OF RTU CURB. COORDINATE WITH RTU MANUFACTURER RECOMMENDATIONS.
- H. REFER TO GENERAL NOTES SHEET E2.0 FOR IMPORTANT INFORMATION.
- I. ALL WIRING AND CONDUITS SHALL BE CONCEALED. NO CONDUITS PERMITTED TO RUN EXPOSED ACROSS ROOF DECK. ROUTE ALL CONDUITS THROUGH EQUIPMENT ROOF CURBS OR ARCHITECT SPECIFIED ROOF PENETRATIONS.
- J. ALL OUTLETS AND J-BOXES BEHIND SIGNAGE SHALL BE WEATHER RESISTANT, RECESSED AND FLUSH WITH BUILDING FINISH SURFACE.
- K. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE.

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10/27/22

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135



ROOF  
 POWER PLAN  
**E3.2**

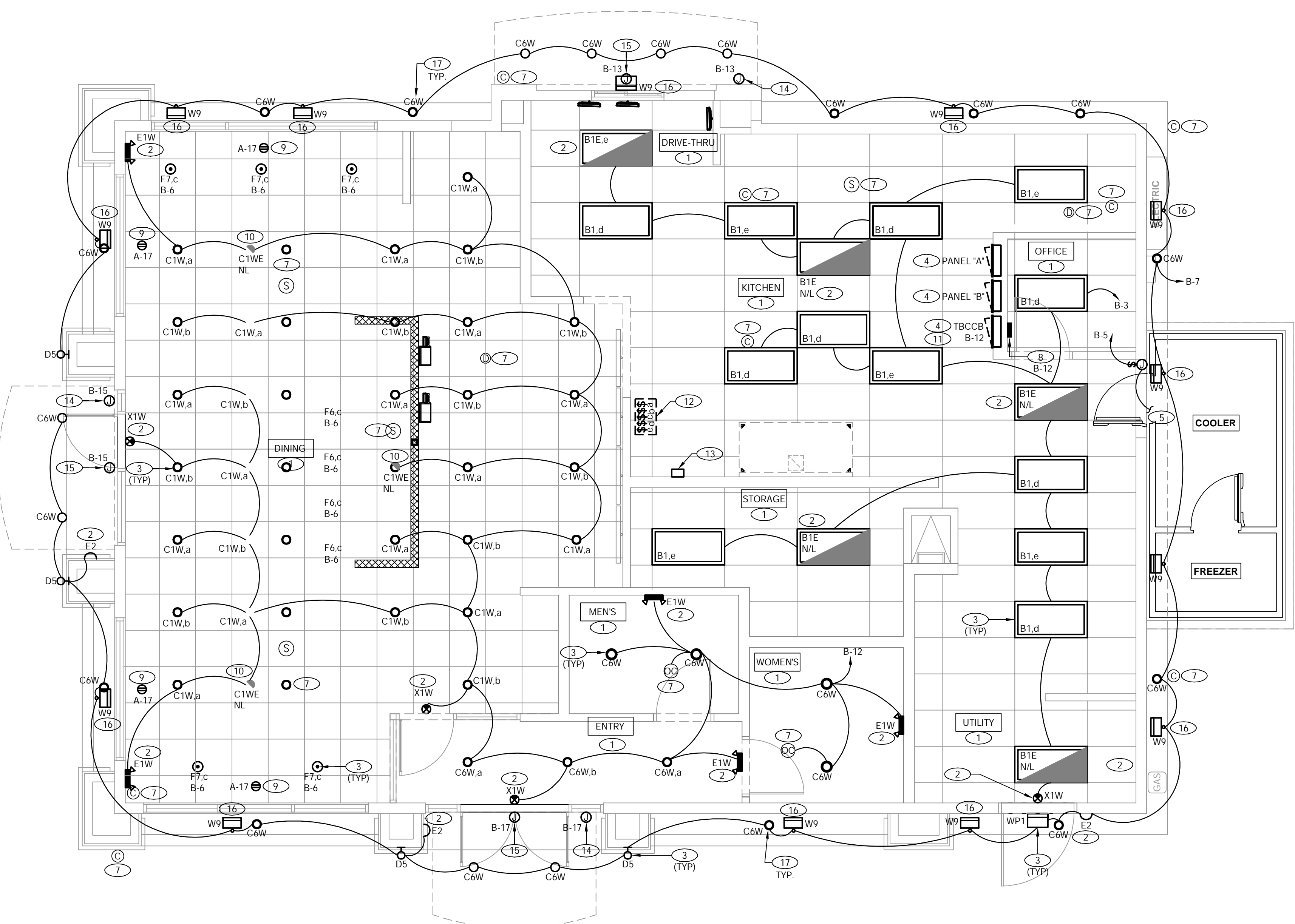
R0 SET ISSUED: 10.25.22

**CONTRACTOR NOTE**

CONTRACTOR SHALL USE EXISTING SPARE/SPACE OR REUSE EXISTING BRANCH CIRCUIT(S) FOR LIGHTING, POWER AND SIGNAGE REMODEL. NEW/REUSED BRANCH CIRCUIT(S) SHALL MATCH THE MANUFACTURER'S PUBLISHED ELECTRICAL CHARACTERISTICS OF PROPOSED EQUIPMENT, AS WELL AS MATCHING THE CHARACTERISTICS OF SOURCE PANEL, WHERE APPLICABLE. CONTRACTOR SHALL PROVIDE ADDITIONAL ELECTRICAL DEVICES NECESSARY FOR COMPLIANCE (E.G. SHUNT-TRIP, OVER-RIDE, ADDITIONAL CONTROL, ETC.). REPLACE BRANCH CIRCUIT(S) IF CHARACTERISTICS DO NOT MATCH REPLACEMENT EQUIPMENT. REUSED, EXISTING BRANCH CIRCUIT SUPPLYING MULTIPLE OUTLETS SHALL BE VERIFIED FOR INTEGRITY AND CAPACITY OF ALL EQUIPMENT INSTALLED ON THAT CIRCUIT. ALL EXISTING/NEW BRANCH CIRCUITS BEING UTILIZED FOR THIS BUILDING RENOVATION SHALL BE FIELD-VERIFIED FOR INTEGRITY, CAPACITY (80% OF RATED BREAKER) AND SHALL MEET CURRENTLY ADOPTED NATIONAL ELECTRICAL CODE COMPLIANCE AS WELL AS ADDITIONAL REQUIREMENTS CONTAINED IN THESE DOCUMENTS. SEE DEMOLITION DRAWINGS FOR REMOVED EQUIPMENT. ALL NEW CONDUCTORS SHALL BE IN CONDUIT AND CONCEALED IN WALLS OR ABOVE CEILINGS.

**BRANCH CIRCUIT NOTE**

BRANCH CIRCUITS INSTALLED IN AREAS SLATED FOR DEMOLITION SHALL BE DISCONNECTED AND REMOVED BACK TO AN ACCESSIBLE LOCATION. TAGGED WITH CIRCUIT INFORMATION AND PROVIDED WITH PROTECTION FROM DEBRIS. CIRCUIT(S) THAT ARE TO BE REUSED SHALL BE RE-ROUTED (PROVIDE BRACING AS REQUIRED) TO AVOID DEMOLISHED AREAS(S) AND RECONNECTED TO THE NEXT ELECTRICAL DEVICE IN THE RUN. CONTRACTOR TO VERIFY CIRCUIT INTEGRITY OF ALL MODIFIED CIRCUITS. VERIFY SERVING PANEL, BREAKERS AND BREAKER-OPTIONS FOR COMPLIANCE TO THE CURRENTLY ADOPTED ELECTRICAL STANDARDS.



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

LIGHTING FIXTURE SCHEDULE										
TYPE	QTY.	LOCATION	MANUFACTURER / MODEL NUMBER	DESCRIPTION	LAMP #	LAMP TYPE	MOUNTING TYPE	VOLT	WATT	REMARKS
B1	12	BOH	MAXLITE MLFP-24DE-45-41	2X4 FLAT PANEL	-	LED	RECESSED GRID	120	45	-
B1E	5	BOH OFFICE	MAXLITE MLFP-24DE-45-41-EM	2X4 FLAT PANEL	-	LED	RECESSED FLANGE	120	45	INTEGRAL BATTERY PACK
C1W	29	DINING	TCP: LED14DR5630K895 ELITE HOUSING: B6IC-AT-W	RECESSED DOWNLIGHT	1	LED	RECESSED GRID/SOFFIT	120	14	DAMP-RATED, WHITE HOUSING.
C1WE	3	DINING	TCP: LED14DR5630K895 ELITE HOUSING: B6IC-AT-W	RECESSED DOWNLIGHT	1	LED	RECESSED GRID/SOFFIT	120	14	DAMP-RATED, WHITE HOUSING.
C6W	27	RESTROOM EXTERIOR	TCP: LED14DR5630K895 ELITE HOUSING: E45180172	RECESSED DOWNLIGHT	1	LED	RECESSED HARD CLG	120	14	WHITE HOUSING.
D5	4	EXTERIOR WALL	QUOIZEL LIGHTING STEADMAN: #SDN8408IB	WALL SCONCE	1	LED	WALL	120	8	PROVIDE SATCO #S29879 (OR EQV.) BULB WITH FIXTURE. BRONZE HOUSING.
E1W	5	DINING RESTROOM	ELITE ELM-809-B	2-HEADED EMERGENCY LIGHT	2	LED	WALL @ 9'-4" A.F.F.	120	10	BATTERY BACK-UP. WHITE HOUSING.
E2	3	EXTERIOR WALL	THOMAS & BETTS CAMLSDBB-CW	EMERGENCY EGRESS FIXTURE	2	LED	WALL @ 9'-4" A.F.F.	120	18	UNSWITCHED HOT. DAMP-RATED HOUSING.
F6	4	DINING	KICHLER: 438520Z AAMSCO: LED-6W-ST64HYBRID-DIM (BULB)	9.75" DIAMETER, AVERY MINI GLASS PENDANT IN OLDE BRONZE	1	LED	PENDANT VARIES	120	6	CONTACT: PAULA PROTEAU paula.proteau@capitollight.com
F7	5	PERIMETER TABLE	HI-LITE: H-24212-96-CB15-91-20-LBL TCP: LED10A19D0D27K (BULB)	12" GALVANIZED WITH BLACK CORD AND CANOPY	1	LED	PENDANT @ 6'-8" A.F.F.	120	11	CONTACT: PAULA PROTEAU paula.proteau@capitollight.com
W9	13	EXTERIOR MANSARD	RAB LIGHTING #FFHLED18N	CAST ALUMINUM FLOOD LIGHT	1	LED	TENON	120	18	PROVIDE WEATHERPROOF PROTECTION AS REQUIRED.
WP1	1	EXTERIOR WALL	RAB LIGHTING WPLED-52N	WALL PACK	1	LED	WALL @ 9'-4" A.F.F.	120	52	PROVIDE NEMA-3R JUNCTION BOX.
X1W	4	DINING BOH	LIGHTALARMS OLXN500R-N, PW-08118-L	EXIT SIGN	-	LED	PENDANT @ 9'-0" A.F.F.	120	3	WHITE HOUSING.

**NOTES:**

- CONTRACTOR SHALL VERIFY ALL QUANTITIES OF LIGHT FIXTURES.
- RECESSED FIXTURES INSTALLED IN AN INSULATED CEILING SHALL BE I.C. RATED.
- CONTRACTOR TO CONSULT WITH LIGHTING MANUFACTURER'S TO PROVIDE FIXTURE LAMPS & UL LABELING TO REFLECT ACTUAL LAMP WATTAGE USED, NOT MAX FIXTURE WATTAGE.
- LIGHTING FIXTURES LABELED (EX) ARE EXISTING TO REMAIN. NO WORK UNLESS NOTED OTHERWISE.

- LIGHT FIXTURES SHALL BE PROVIDED WITH ELECTRONIC BALLASTS. COMPACT FLUORESCENT ELECTRONIC BALLASTS SHALL HAVE END-OF-LIFE PROTECTION CIRCUIT TO PREVENT WELDING OF LAMPS IN SOCKETS OR LAMP BREAKAGE. SEE SPECIFICATIONS.
- PROVIDE ARROWS AND FACES AS INDICATED ON THE DRAWINGS.
- ELECTRICAL CONTRACTOR SHALL VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
- ELECTRICAL CONTRACTOR SHALL INSTALL ALL CEILING MOUNTED LIGHTING FIXTURES IN LOCATIONS AS INDICATED ON THE ARCHITECTURAL REFLECTED CEILING PLAN.
- ALL PENDANT FIXTURES ARE PROVIDED WITH FACTORY INSTALLED 12' CORD AND STRAIN RELIEF FITTINGS. CONNECTION AND CUTTING OF CORD FOR PENDANT FIXTURE MOUNTING SHALL BE ONLY AT UPPER CANOPY.
- LIGHTING FIXTURE CONTACT: SEE SHEET "NATIONAL ACCOUNT".
- CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
- ALL CONDUITS ENTERING OR LEAVING COOLER SHALL BE PROVIDED WITH EYS SEAL-OFF FITTING WITH COMPOUND PER NEC 300-(7a).
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR FINISH OF TRIM RING.
- CONTRACTOR PRIOR TO ORDER/BID, COORDINATE WITH LIGHTING ACCOUNT FOR SPECIFIC MOUNTING HARDWARE FOR THE CEILING TYPE WHERE FIXTURES ARE TO BE INSTALLED.
- CLEAN CEILING TILES AND EXISTING GRID TO "LIKE NEW" CONDITION.

- CONTRACTOR TO VERIFY EXISTING CEILING MOUNTED DEVICES (SPEAKERS, REMOTE TEST SWITCH, SMOKE DETECTORS, OCCUPANCY SENSORS, ETC.) FOR RE-USE. REMOVE (AS NEEDED), PROTECT AND CLEAN (SAND & REFINISH, AS NEEDED). PROVIDE ADDITIONAL BRACING, AS NEEDED FOR RELOCATION OF DEVICES. EXTEND CIRCUITING, JUNCTION BOX, ETC. TO NEW LOCATIONS (INDICATED ON SHEETS OR PER ON-SITE TACO BELL REPRESENTATIVE. NEW DEVICE MOUNTING BASES SHALL BE FLUSH WITH BOTTOM OF CEILING. ALL RECEPTACLES IN CEILING TO MATCH CEILING COLOR.
- EMERGENCY LIGHT FIXTURE. PROVIDE A SEPARATE HOT LEAD FROM LOCAL AREA LIGHTING CIRCUIT, TO EM CONTROL IN FIXTURE. BY-PASSING ALL SWITCHING AND LIGHTING CONTROL. (NOTE: CONTRACTOR TO VERIFY/PROVIDE RED HANDLE LOCK ON CLIP AND IDENTIFICATION OF CIRCUIT BREAKERS SERVING EMERGENCY FIXTURES). SEE LIGHTING FIXTURE SCHEDULE AND GENERAL NOTES, THIS SHEET. (NOTE: CONTRACTOR TO PROVIDE ADDITIONAL CODE COMPLIANT EMERGENCY EGRESS LIGHTING FIXTURES IF REQUIRED BY THE A.H.J.)
- NEW LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. REUSE/EXTEND EXISTING LIGHTING BRANCH CIRCUIT IN THIS AREA TO LOCATION OF NEW LIGHTING FIXTURE. PROVIDE NEW CIRCUIT WITH (2)#12, (1)#12G IN 3/4" C AND REQUIRED CONTROL IF WATTAGE EXCEEDS 1,600 VA ON A 120-VOLT, 20-AMP C.B.
- PROVIDE REQUIRED WORKING SPACE/CLEARANCE PER THE N.E.C.. CONTRACTOR TO CLEARLY IDENTIFY/INDICATE NOT LESS THAN 30"WX36"D CLEARANCE AREA/WORKING SPACE (PER I.F.C. 605.3). IF EQUIPMENT IS LARGER THAN 30" WIDE, WORKING CLEARANCE/SPACE SHALL NOT BE LESS THAN EQUIPMENTS WIDTH.
- NEW WALK-IN COOLER/FREEZER FIXTURE AND SWITCH. FACTORY INSTALLED WITH UNIT. CONTRACTOR TO COMPLETE CIRCUITING AND SEAL ALL ELECTRICAL CONDUITS INTO THE WALK-IN COOLER/FREEZER PER U.L. LISTING RECOMMENDATIONS. FOR LIGHTING FIXTURES, CONDUIT, CONDUCTORS, INSTALLATION REQUIREMENTS, REFER TO SCOPE OF WORK.
- NOT USED.
- RELOCATED LOW-VOLTAGE EQUIPMENT. CONTRACTOR SHALL VERIFY INTEGRITY OF EXISTING LOW-VOLTAGE WIRING AND REUSE/EXTEND AS NECESSARY TO NEW LOCATION OF LOW-VOLTAGE EQUIPMENT. REPAIR/REPLACE DEVICES AS NEEDED. RE-WIRE DEVICES THROUGH NEW TBCCB PANEL IN OFFICE. MAINTAIN EXISTING CONTROL SCHEME.
- PROVIDE NEW INVERTER. SEE LIGHTING FIXTURE SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. OPTIONAL MOUNTING CONFIGURATIONS THROUGH MANUFACTURER. INSTALL INVERTER AT A LOCATION TO MINIMIZE EXCESSIVE VOLTAGE-DROP ON CONDUCTORS. COORDINATE LOCATION WITH GENERAL CONTRACTOR. MAKE ALL FINAL CONNECTIONS.
- FLUSH-MOUNTED JUNCTION BOX WITH NEMA-TYPE RECEPTACLE AND COVER PLATE TO MATCH DECOR. MOUNT WITH 6" ABOVE OR 18" PROJECTION FROM WINDOW PER N.E.C.
- NIGHT LIGHT. LIGHTING FIXTURE SHALL BE WIRED THROUGH LIGHTING INVERTER IN OFFICE.
- LIGHTING CONTROL PANEL "TBCCB". SEE DETAIL A ON SHEET E3.1 FOR ADDITIONAL INFORMATION.
- PROPOSED SWITCH BANK LOCATION FOR LOCAL LIGHTING CONTROL (COORDINATE EXACT SWITCH BANK LOCATION WITH OWNER IN FIELD). CONTRACTOR TO PROVIDE SWITCH INDICATION AND LABEL FOR THEIR INTENDED USE. (NOTE: CONTRACTOR TO FIELD-VERIFY LIGHTING AREA(S) BEING CONTROLLED ARE WITHIN SIGHT OF SWITCH BANK). ANY CONTROLLED LIGHTING AREAS, NOT WITHIN LINE OF SITE FROM THE SWITCH BANK, SHALL BE PROVIDED WITH A SWITCH WITH AN ANNUNCIATOR DEVICE (I.E. SWITCH WITH PILOT LIGHT), SO WHEN THE AREA BEING CONTROLLED IS SWITCHED-ON, THE CONTROLLING DEVICE IS ANNUNCIATED.
- ALERT LIGHT. ONLY APPLIES WHEN A GEN IV POWER SOAK IS USED. DISREGARD IF GEN III POWER SOAK IS USED. SEE SHEET E3.0 FOR POWER REQUIREMENTS.
- PROVIDE JUNCTION BOX FOR NEW L.E.D. BUILDING SIGN, ROUGH-IN AS INDICATED. VERIFY FINAL CONNECTION-POINT WITH SIGN VENDOR/INSTALLER. INSTALL AS DIRECTED. SEE ARCHITECTURAL EXTERIOR ELEVATION DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE JUNCTION BOX LOCATION SO IT REMAINS CONCEALED BEHIND FIXTURE. (NOTE: IN LOCATIONS WHERE NEW BUILDING SIGNAGE IS REPLACING EXISTING SIGNAGE, CONTRACTOR SHALL RELOCATE/REPLACE EXISTING SIGN JUNCTION BOX(ES) AS NEEDED AND PROVIDE CONDUIT AND WIRING TO EXTEND EXISTING SIGN BRANCH CIRCUIT TO NEW SIGN LOCATION. SIGN CIRCUIT(S) SHALL BE CONTROLLED VIA EXTERIOR SIGN CONTROL SYSTEM. IF NO ROOM EXISTS ON SIGN CONTROL SYSTEM, PROVIDE NEW CONTRACTOR(S) & "TIE-INTO" EXISTING SYSTEM. REFER TO THE LATEST N.E.C. ARTICLE 600 FOR ADDITIONAL SIGN REQUIREMENTS ON-SITE. PATCH AND REPAIR PREVIOUS LOCATION(S) OF REMOVED ELECTRICAL WORK.
- REPLACED OR REPAIRED CANOPY CHANNEL LETTERS. DISCONNECT FROM EXISTING CIRCUIT AND PREPARE CIRCUIT FOR RECONNECTION TO NEW CHANNEL LETTERS. COORDINATE RESPONSIBILITIES WITH SIGN VENDOR/INSTALLER.
- CONTRACTOR SHALL REPLACE EXISTING ROOF MANSARD LIGHT FIXTURE WITH SPECIFIED LED FIXTURE. INCLUDE FIXTURE BASE FOR SECURE ROOF MOUNTING FROM MANUFACTURE. COORDINATE WIRING RUN TO MINIMIZE VOLTAGE DROP. VERIFY PROPOSED CIRCUIT ROUTING IN-FIELD WITH G.C. DO NOT RUN CONDUIT WHERE SUBMERGED IN WATER. ALL DEVICES SHALL BE NEMA-3R MINIMALLY RATED.
- NEW RECESSED SOFFIT/CANOPY LIGHT FIXTURE. SEE DETAIL D, THIS SHEET. CIRCUIT THROUGH TBCCB FOR OPERATION.

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10/27/22

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

**MAJOR REMODEL**

LIGHTING PLAN AND SCHEDULE  
**E4.0**  
 R0 SET ISSUED: 10.25.22

**COMcheck Software Version COMcheckWeb**  
**Interior Lighting Compliance Certificate**

**Project Information**

Energy Code: 2015 IECC  
 Project Title: 200361 - Taco Bell - Garden City, MI\_R0  
 Project Type: Alteration

Construction Site: 28993 Ford Road, Garden City, Michigan 48135  
 Owner/Agent: Taco Bell  
 Designer/Contractor: Robert L. Queathem, 1950 Craig Road, Suite #300, St Louis 63146, 800.489.2233

**Allowed Interior Lighting Power**

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts
1-Entry (Common Space Types:Corridor/Transition <8 ft wide)	110	0.66	73
2-Dining (Common Space Types:Dining Area - Cafeteria/Fast Food)	947	0.65	616
3-Kitchen (Common Space Types:Food Preparation)	994	1.21	1203
4-Restrooms (Common Space Types:Restrooms)	150	0.98	147
Total Allowed Watts =			2038

**Proposed Interior Lighting Power**

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E (C X D)
<b>Entry (Common Space Types: Corridor/Transition &lt;8 ft wide, 110 sq.ft.)</b>				
LED: C6W: RECESSED DOWNLIGHT: Other:	1	3	14	42
<b>Dining (Common Space Types: Dining Area - Cafeteria/Fast Food, 947 sq.ft.)</b>				
LED: C1W: RECESSED DOWNLIGHT: Other:	1	32	14	448
LED: F6: PENDANT: Other:	1	4	6	24
LED: F7: PENDANT: Other:	1	5	11	55
<b>Kitchen (Common Space Types: Food Preparation, 994 sq.ft.)</b>				
LED: B1/B1E: 2X4 FLAT PANEL: Other:	1	17	45	765
<b>Restrooms (Common Space Types: Restrooms, 150 sq.ft.)</b>				
LED: C6W: RECESSED DOWNLIGHT: Other:	1	4	14	56
Total Proposed Watts =			1390	

**Interior Lighting PASSES**

**Interior Lighting Compliance Statement**

*Compliance Statement:* The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: 200361 - Taco Bell - Garden City, MI\_R0 Report date: 10/12/22  
 Data filename: Page 1 of 5

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] <sup>1</sup>	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 [EL18] <sup>1</sup>	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 [EL23] <sup>3</sup>	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2.1 [EL22] <sup>1</sup>	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3 [EL16] <sup>2</sup>	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.1 [EL20] <sup>1</sup>	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.2 [EL20] <sup>2</sup>		<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.3 [EL21] <sup>1</sup>	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL4] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL8] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

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

Project Title: 200361 - Taco Bell - Garden City, MI\_R0 Report date: 10/12/22  
 Data filename: Page 4 of 5

Robert L. Queathem - Engineer Name - Title Signature Date

Project Title: 200361 - Taco Bell - Garden City, MI\_R0 Report date: 10/12/22  
 Data filename: Page 2 of 5

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3 [F117] <sup>2</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [F118] <sup>1</sup>	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C408.2.5.1 [F116] <sup>1</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [F133] <sup>1</sup>	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

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

Project Title: 200361 - Taco Bell - Garden City, MI\_R0 Report date: 10/06/22  
 Data filename: Page 5 of 5

**COMcheck Software Version COMcheckWeb**  
**Inspection Checklist**  
 Energy Code: 2015 IECC

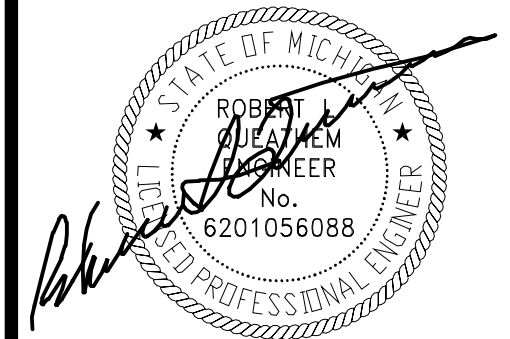
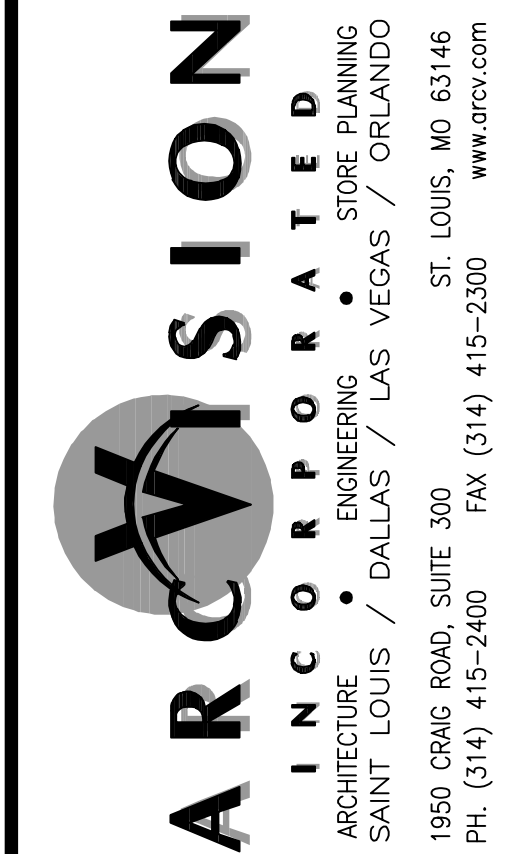
Requirements: 0.0% were addressed directly in the COMcheck software  
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

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

Project Title: 200361 - Taco Bell - Garden City, MI\_R0 Report date: 10/12/22  
 Data filename: Page 3 of 5



10/27/22

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CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135



ELECTRICAL  
 COMCHECK  
**E4.1**

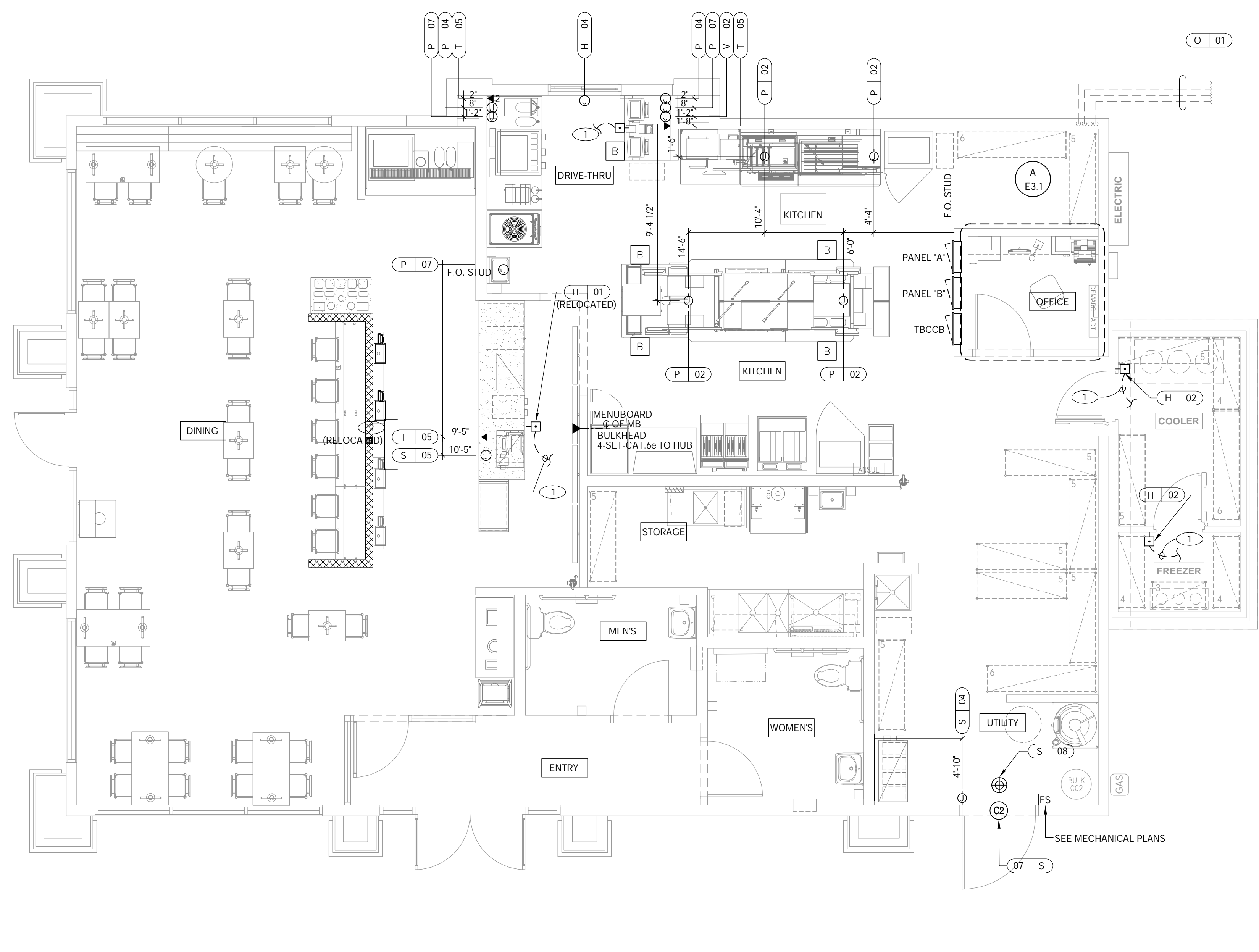
R0 SET ISSUED: 10.25.22

**CONTRACTOR NOTE**

CONTRACTOR SHALL USE EXISTING SPARE/SPACE OR REUSE EXISTING BRANCH CIRCUITS FOR LIGHTING, POWER AND SIGNAGE REMODEL. NEW/REUSED BRANCH CIRCUIT(S) SHALL MATCH THE MANUFACTURER'S PUBLISHED ELECTRICAL CHARACTERISTICS OF PROPOSED EQUIPMENT, AS WELL AS MATCHING THE CHARACTERISTICS OF SOURCE PANEL, WHERE APPLICABLE. CONTRACTOR SHALL PROVIDE ADDITIONAL ELECTRICAL DEVICES NECESSARY FOR COMPLIANCE (E.G. SHUNT-TRIP, OVER-RIDE, ADDITIONAL CONTROL, ETC.). REPLACE BRANCH CIRCUIT(S) IF CHARACTERISTICS DO NOT MATCH REPLACEMENT EQUIPMENT. REUSED, EXISTING BRANCH CIRCUIT SUPPLYING MULTIPLE OUTLETS SHALL BE VERIFIED FOR INTEGRITY AND CAPACITY OF ALL EQUIPMENT INSTALLED ON THAT CIRCUIT. ALL EXISTING/NEW BRANCH CIRCUITS BEING UTILIZED FOR THIS BUILDING RENOVATION SHALL BE FIELD-VERIFIED FOR INTEGRITY, CAPACITY (80% OF RATED BREAKER) AND SHALL MEET CURRENTLY ADOPTED NATIONAL ELECTRICAL CODE COMPLIANCE AS WELL AS ADDITIONAL REQUIREMENTS CONTAINED IN THESE DOCUMENTS. SEE DEMOLITION DRAWINGS FOR REMOVED EQUIPMENT. ALL NEW CONDUCTORS SHALL BE IN CONDUIT AND CONCEALED IN WALLS OR ABOVE CEILINGS.

**BRANCH CIRCUIT NOTE**

BRANCH CIRCUITS INSTALLED IN AREAS SLATED FOR DEMOLITION SHALL BE DISCONNECTED AND REMOVED BACK TO AN ACCESSIBLE LOCATION. TAGGED WITH CIRCUIT INFORMATION AND PROVIDED WITH PROTECTION FROM DEBRIS. CIRCUIT(S) THAT ARE TO BE REUSED SHALL BE RE-ROUTED (PROVIDE BRACING AS REQUIRED) TO AVOID DEMOLISHED AREA(S) AND RECONNECTED TO THE NEXT ELECTRICAL DEVICE IN THE RUN. CONTRACTOR TO VERIFY CIRCUIT INTEGRITY OF ALL MODIFIED CIRCUITS. VERIFY SERVING PANEL, BREAKERS AND BREAKER-OPTIONS FOR COMPLIANCE TO THE CURRENTLY ADOPTED ELECTRICAL STANDARDS.



COMMUNICATIONS PLAN SCALE: 1/4"=1'-0" A

- COMMUNICATIONS LEGEND**
- HOLD-UP BUTTON
  - ⊙ MUSIC SYSTEM SPEAKERS
  - ⊙ J-BOX
  - ⊙ 2" x 4" J-BOX W/ DATA PORTS
  - ⊙ BUMP PAD (MOUNT AT FRONT COUNTER)

C

1. 1/2" CONDUIT WITH PULL STRING FOR HOLD-UP BUTTON SIGNAL WIRE TO SECURITY.
2. ROUTE CONDUIT/CONDUCTORS THRU MILLWORK TO NEAREST FULL HEIGHT WALL TO STUB-UP. ROUTE CONDUIT TO AVOID OBSTACLES/EQUIPMENT IN MILLWORK.

# PLAN KEYED NOTES D

COM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
H 01	UNDER COUNTER SECURITY BUTTON		INSTALL 3045 CTW PART. SEE DETAIL D/E3.1
H 02	WALL MOUNTED SECURITY BUTTON	+18" A.F.F.	2x4 J-BOX FLUSH MOUNTED IN WALK-IN WALL BY COOLER MANUFACTURER WITH 1/2" CONDUIT TO OUTSIDE OF COOLER NEAR KITCHEN CEILING. SECURITY SYSTEM INSTALLER TO INSTALL HOLD-UP BUTTON FACING DOWN AND RUN WIRING. SEE DETAIL C/E3.1
HM 02	D/T TIMER SIGNAL PROCESSOR J-BOX	+114" A.F.F.	4X4X4" DEEP (MIN.) J-BOX ABV. CLG. W/ (1) 1" CONDUIT TO HM-07B, (1) 1" CONDUIT TO HM-04, (1) 1-1/2" CONDUIT TO HM-08 & (1) 1" CONDUIT TO HM-12. SEE DET. E/E3.1.
HM 03	D/T BASE STATION J-BOX	+72" A.F.F.	4X4 J-BOX @ D/T BASE STATION W/ (1) 1-1/2" C TO HM-08 & (1) 1-1/2" C TO HM-07A. SEE DET. E/E3.1.
HM 04	D/T COMM SYSTEM J-BOX	+18" A.F.F.	4X8 J-BOX W/ (1) 1" CONDUIT TO HM-02, (1) 1" CONDUIT TO HM-07A, (1) 1" CONDUIT TO PICK-UP WINDOW D/T LOOP, AND (3) 1" CONDUITS TO D/T MENU BOARD. SEE DET. E/E3.1.
HM 07A	D/T TIMER DISPLAY J-BOX	+62" A.F.F.	2X4 J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 AND (1) 1" C TO HM-04. SEE DET. E/E3.1.
HM 07B	D/T TIMER DISPLAY J-BOX	+108" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-02. SEE DET. E/E3.1.
HM 08	D/T J-BOX	+96" A.F.F.	4X4X4" DEEP (MIN.) J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1-1/2" CONDUIT TO HM-02. SEE DET. E/E3.1.
HM 10	OCB SWITCH	+52" A.F.F.	2X4 J-BOX W/ (1) 1" CONDUIT TO ABOVE CEILING
HM 11	D/T CONTROL UNIT J-BOX	+108" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-12. SEE DET. E/E3.1.
HM 12	D/T ETHERNET SWITCH J-BOX	+114" A.F.F.	2X4 J-BOX ABV. CLG W/ (1) 1" CONDUIT TO HM-11, 1" CONDUIT TO HM-02, AND 1" CONDUIT TO OFFICE ROUTER
IR 01	IRRIGATION TIMER	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES.
M 01	RECESSED CEILING SPEAKERS, COLOR - BLACK	CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE.
M 03	MUSIC SYSTEM J-BOX	+60" A.F.F.	4X4 J-BOX & COVER W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR MUSIC SYSTEM. SEE SCOPE OF WORK.
O 01	(4) 1" DATA CONDUITS	U.G.	FROM MENU BOARD/SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T COMM. SYST. SEE DET. E/E1.0.
P 02	KITCHEN MONITOR J-BOX	@ CLG.	2X4 J-BOX FLUSH @ CEILING. FOR M.A.P.S. LINE / DRIVE THRU MONITOR J-BOX.
P 04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-02
P 07	POS J-BOX W/ 2-1/2" DIA HOLE IN COVER PLATE	+24" A.F.F.	6X6X4" DEEP J-BOX W/ 2-1/2" CONDUIT IN WALL TO ABV. CEILING, WITH PULL STRING FOR POS.
S 01	J-BOX SECURITY SYSTEM	+48" A.F.F.	4X4 J-BOX AT SECURITY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02.
S 02	J-BOX SECURITY SYSTEM	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01.

COM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
S 03	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD-UP BUTTON SIGNAL WIRE. SEE ELEVATION C/E3.1.
S 04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING.
S 05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO S-05 AND TO ABOVE CEILING.
S 06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
S 07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.
S 08	"SOUND ALERT" DEVICE	CEILING	CONNECT TO SECURITY SYSTEM.
S 09	SECURITY STROBE LIGHT	CEILING	CONNECT TO SECURITY SYSTEM.
S 10	ALARM SIREN	ABV. CEILING	CONNECT TO SECURITY SYSTEM
S 11	MOTION / HEAT DETECTOR	+78" A.F.F.	STUB 1/2" CONDUIT. D5835 OR D5820. MOUNT 90" A.F.F. FOR OFFICE
S 12	J-BOX SECURITY DVR	+42" A.F.F.	2X4 J-BOX FOR SECURITY DVR.
T 01	TELEPHONE SERVICE BOX PER LOCAL TELEPHONE COMPANY. PROVIDE 24"X24"X3/4" PLYWOOD PANEL AT CLG. PROVIDE PULL STRING IN 2" CONDUIT.	+48" A.F.F.	PROVIDE (1) 25 PAIR TELEPHONE CABLE. ONLY (2) LINES TO BE USED. LINE ONE FOR VOICE/FAX. LINE (2) FOR COMPUTER MODEM.
T 02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2X4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK.
T 03	VOICE LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ DOUBLE RJ-11 PHONE JACK & 1" CONDUIT TO ABOVE CEILING.
T 04	COMPUTER LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ RJ-11 PHONE JACK AND 1" CONDUIT TO ABOVE CEILING.
T 05	POS PHONE JACK	+24" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING.
TV 01	CLOSED CIRCUIT TELEVISION (CCTV)		CCTV INSTALLATION IS BASED ON THE CRIME INDEX AS DETERMINED BY YUMI LOSS PREVENTION MANAGER. THE STANDARD CCTV PACKAGE WILL CONSIST OF (1) CCTV MONITOR W/ WALL BRACKET AND (1) MINI-DOME CAMERA MTD. TO BTM OF MENU BOARD BULKHEAD.
TV 02	SECURITY CAMERA	BULKHEAD/CEILING	MINI-DOME CAMERA. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING (7 TOTAL).
V 01	ALTERNATE PAYMENT ROUTER BOX	+90" A.F.F.	4X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES (DOUBLE JACK)
V 02	CREDIT CARD READER (VSAT)	+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.

COMMUNICATIONS ROUGH-IN SCHEDULE

B COMMUNICATIONS GENERAL NOTES E

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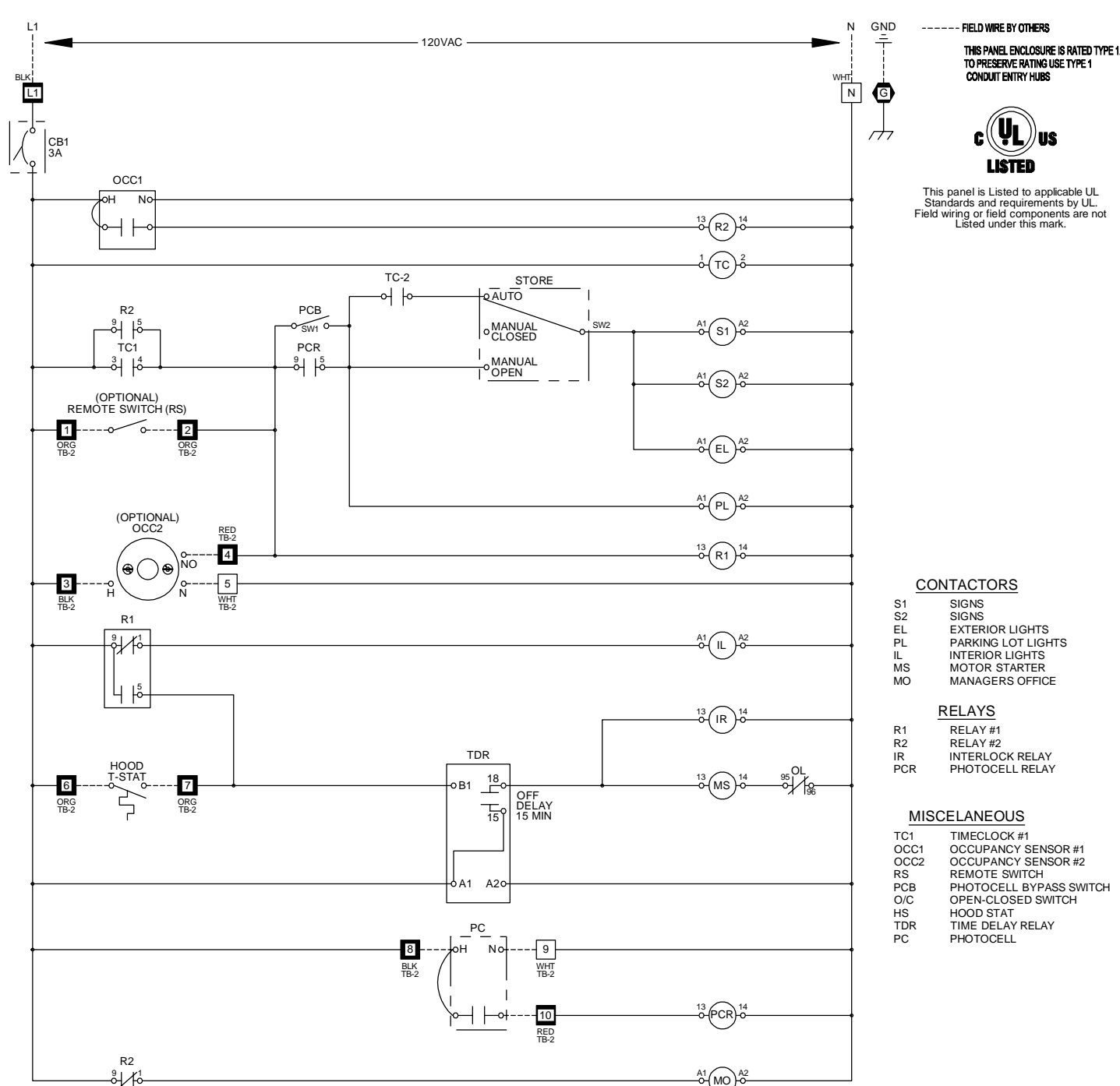
10/27/22

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

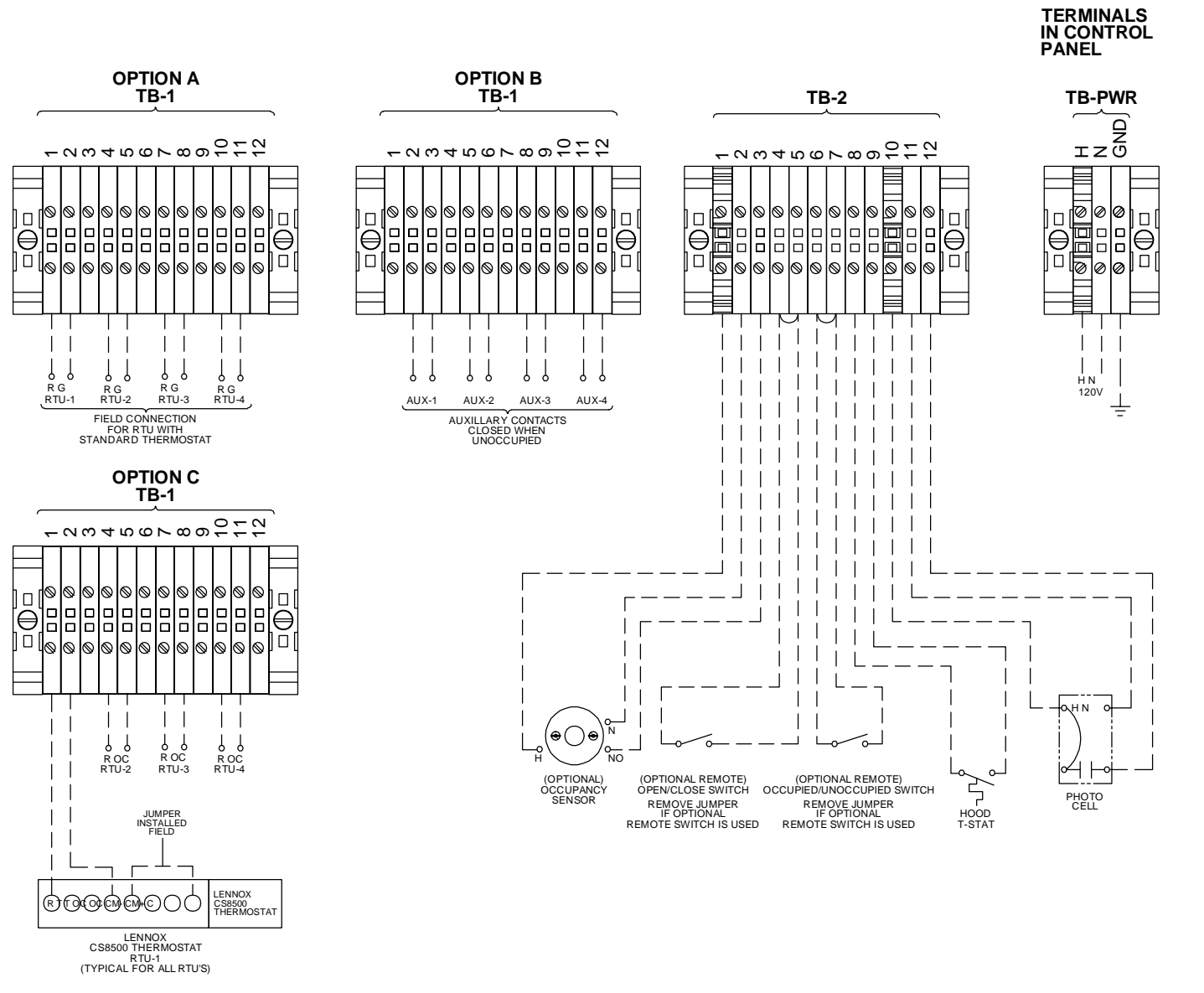
**MAJOR REMODEL**  
**COMMUNICATIONS PLAN**  
**E5.0**

R0 SET ISSUED: 10.25.22



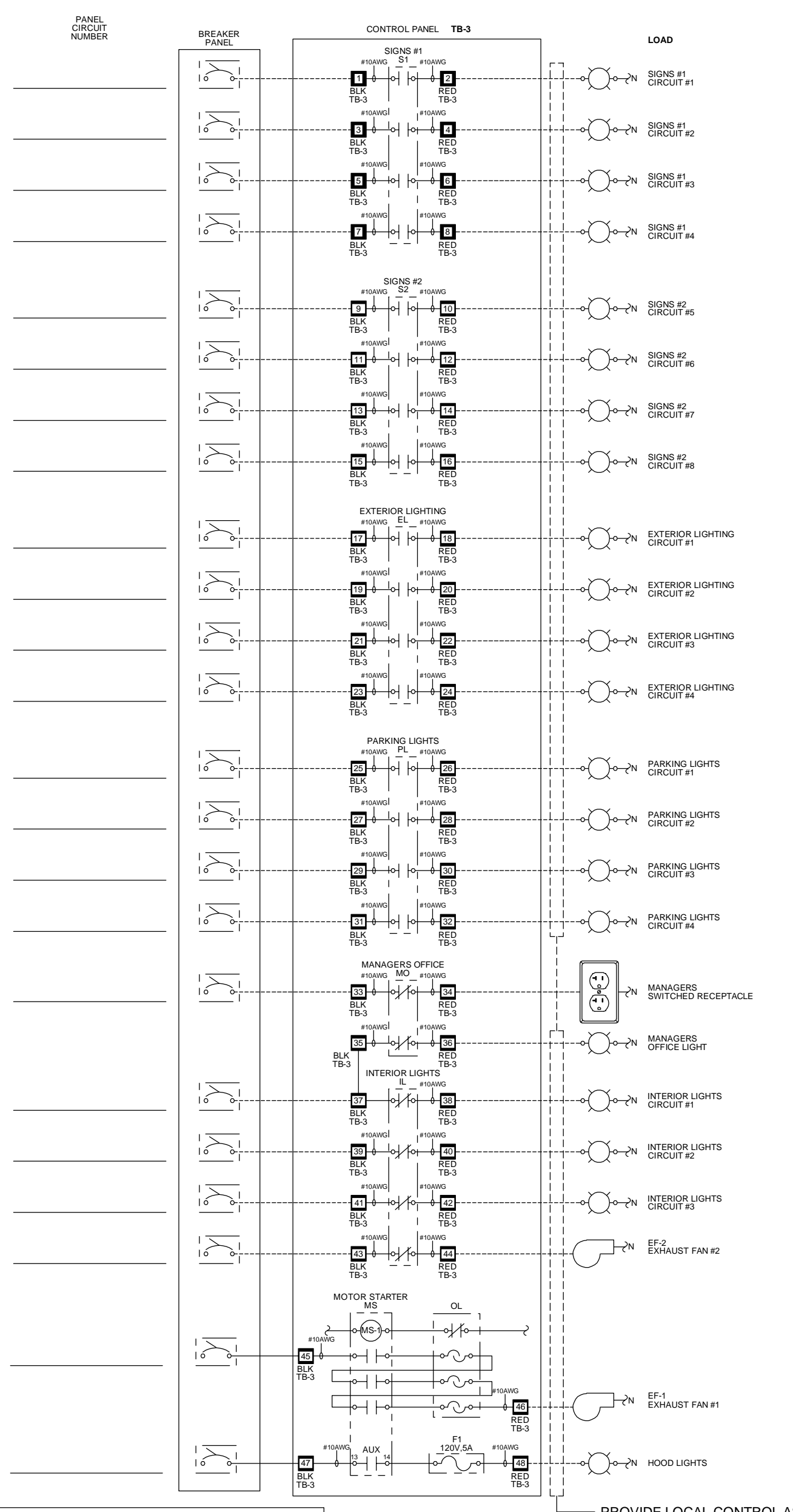
UL LISTED  
 This panel is Listed to applicable UL Standards and requirements by UL. Field wiring or field components are not Listed under this mark.

- CONTACTORS**
- S1 SIGNS
  - S2 SIGNS
  - EL EXTERIOR LIGHTS
  - PL PARKING LOT LIGHTS
  - IL INTERIOR LIGHTS
  - MS MOTOR STARTER
  - MO MANAGERS OFFICE
- RELAYS**
- R1 RELAY #1
  - R2 RELAY #2
  - IR INTERLOCK RELAY
  - PCR PHOTOCELL RELAY
- MISCELLANEOUS**
- TC1 TIMELOCK #1
  - OCC1 OCCUPANCY SENSOR #1
  - OCC2 OCCUPANCY SENSOR #2
  - RS REMOTE SWITCH
  - PCB PHOTOCELL BYPASS SWITCH
  - OCS OPEN-CLOSED SWITCH
  - HS HOOD STAT
  - TDR TIME RELAY RELAY
  - PC PHOTOCELL



TERMINALS IN CONTROL PANEL

NOTE: PROVIDE TBCCB-3 WOS BY-PASS CONTROL FOR FIXTURE REQUIRING 24-HOUR OPERATION (E.G.: EGRESS LIGHTING, EMERGENCY EQUIPMENT).



- NOTES:**
- VISUAL VERIFICATION OF THIS INSTALLATION IS REQUIRED. SEE SHEET MECHANICAL
  - PANEL IS SURFACE MOUNT
  - PROTECT INTERIOR FROM METAL SHAVINGS & DEBRIS

**CONTROL BOX**

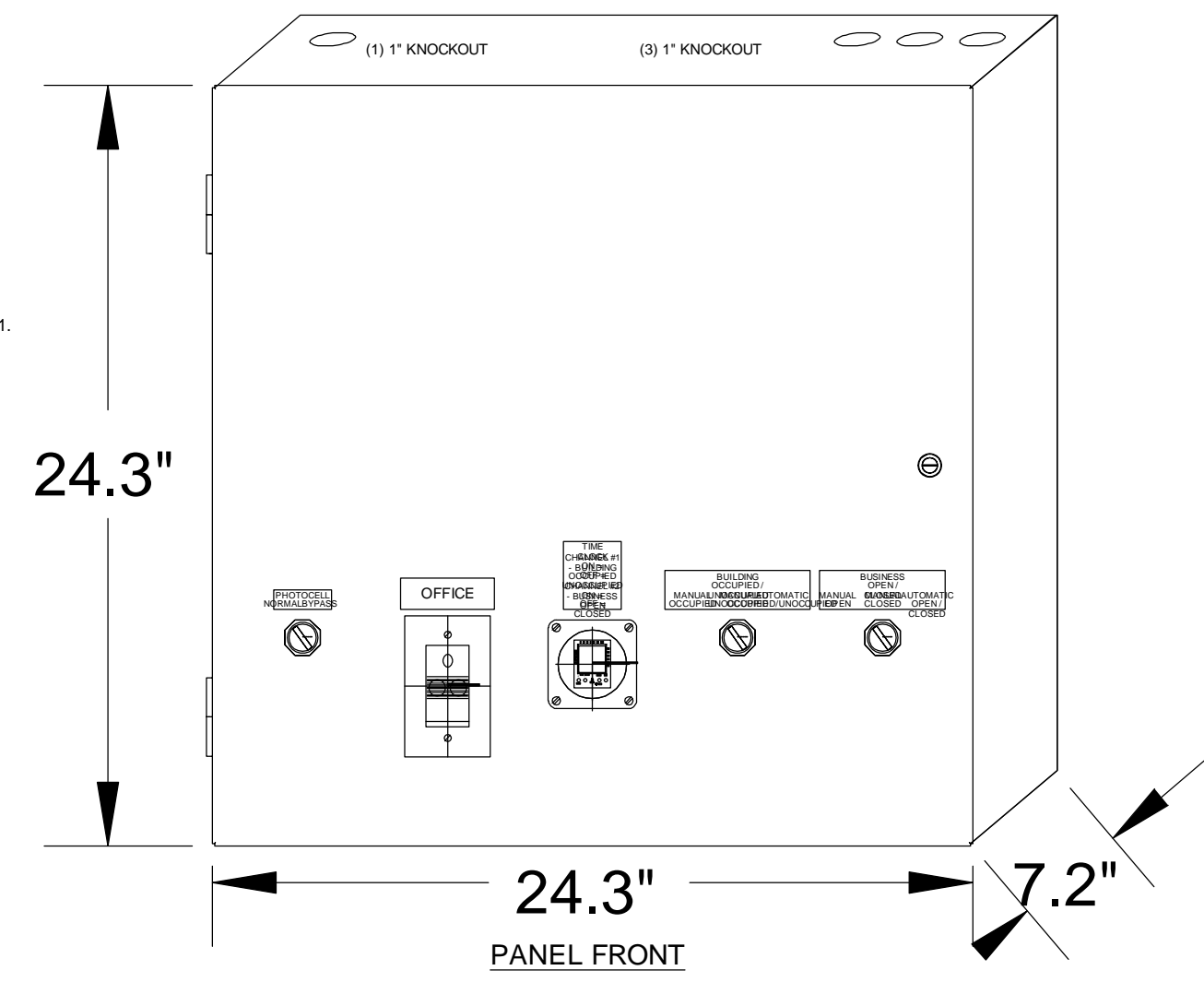
TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBCCB-3-WOS CONTROL BOX TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

NOTE: TBCCB-3 WOS MAY BE INCLUDED IN THE LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY.

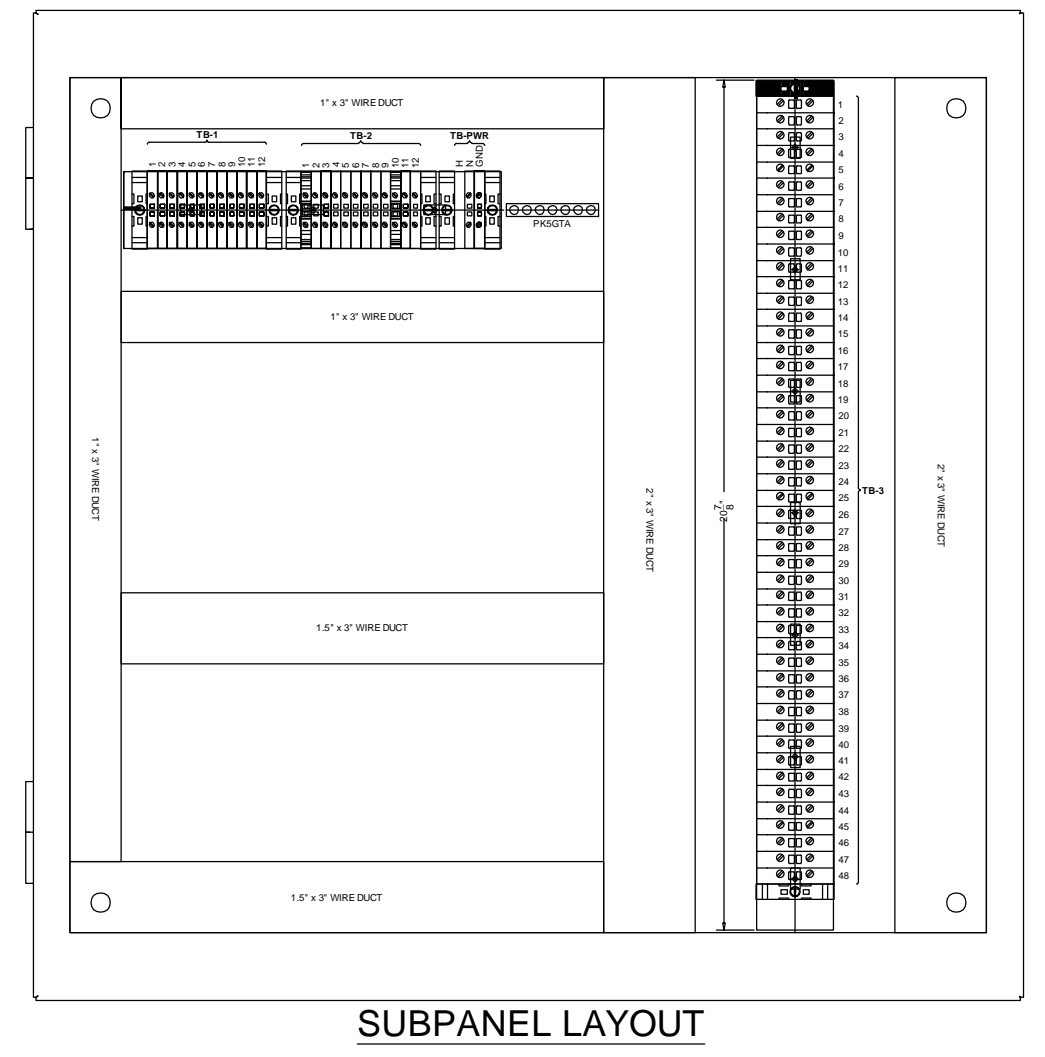
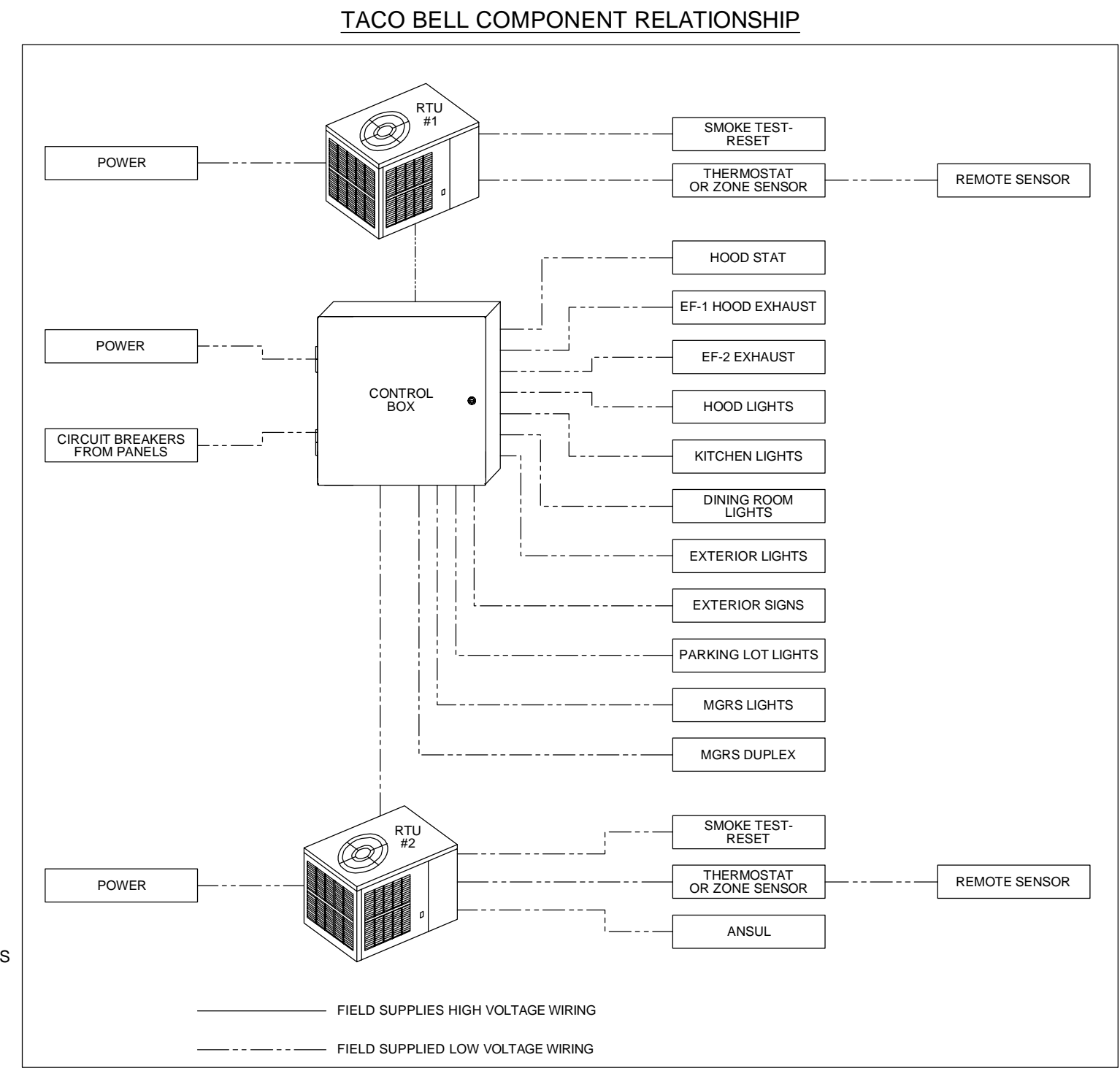
TBCCB-3-WOS INCLUDES ALL WIRING AND COMPONENTS SHOWN FACTORY INSTALLED WITHIN THE BOX.

PRIMARY CONTACT: CHUCK MCCABE  
 PHONE: 949 770 2222  
 EMAIL: INFO@ACE-EMS.COM

UL LISTED  
 THIS PANEL ENCLOSURE IS RATED TYPE 1 TO PRESERVE RATING USE TYPE 1 CONDUIT ENTRY HUBS



**TBCCB-3-WOS**



**TBCCB-3-WOS SEQUENCE OF OPERATION**

The intent of the BMS Control Box (TBCCB-3-WOS) is to activate or deactivate the following:

- Kitchen Lighting
- Dining Room Lighting
- Exterior Lighting
- Exterior Signs
- Exhaust hood exhaust fan
- Exhaust hood lighting
- Make up air / replacement air fan
- Cook line exhaust fan
- Managers Office lighting & at least one duplex outlet

**Sequence of Operation**

**(Building) Occupied Mode**

When the Occupied/Unoccupied selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 1 of the Timeclock in the Control Box is programmed to place the building in Occupied mode 15 minutes before the first Team Member arrives on the premises. This commands on the following:

- The Parking Lot Lights, provided the photo cell indicates it is dark enough for them to be on
- The restroom and cook line exhaust fan marked "EF-2"

- Dining Room Lights, provided their local switch is in the ON position
  - Kitchen and rest room lights, provided their local switch and/or occupancy sensors are in the ON position
  - The exhaust hood exhaust fan marked "EF-1"
  - The make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.
- Occupied mode may also be invoked when any of the following occur:
- an Occupancy sensor on the front of the TBCCB-3-WOS panel senses motion
  - when an optional remote Occupancy sensor senses motion
  - when a remote Occupied switch is in the Occupied position
  - when the Occupied/Unoccupied switch on the front of the TBCCB-3-WOS is placed in the MANUAL OCCUPIED position

**(Building) Unoccupied Mode**

When the Occupied/Unoccupied selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 1 of the Timeclock in the Control Box is programmed to place the building in Unoccupied mode 15 minutes after the last Team Member leaves the premises. This commands OFF the following:

- The Parking Lot Lights
- The restroom and cook line exhaust fan marked "EF-2"
- Dining Room Lighting
- Kitchen room lights
- The exhaust hood exhaust fan marked "EF-1"

- The make up air - replacement air fan (evaporator fan) in RTU 1 and RTU 2.
- In the event of a rise in temperature above 85 degrees in the exhaust hood, the exhaust fan (EF-1) and the make up air source (RTU 1 and 2) will be activated. When in Unoccupied mode and the temperature under the hood drops below 85 degrees, the exhaust fan and make up air source will turn off fifteen minutes after the 85 degree setting is achieved.

**Any detection by the Occupancy sensor in the TBCCB-3-WOS or the optional Remote Occupancy Sensor or the optional Remote Occupancy Switch or ON position of the Manual Occupied switch will override the Timeclock and keep the building in OCCUPIED mode.**

**(Sales) OPEN mode**

When the OPEN/CLOSED selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 2 of the Timeclock in the Control Box is programmed to place the building in OPEN (FOR SALES) mode. This commands on the following:

- The Exterior Building Lights, provided the photo cell indicates it is dark enough for them to be on
- The Exterior Signs, provided the photo cell indicates it is dark enough for them to be on

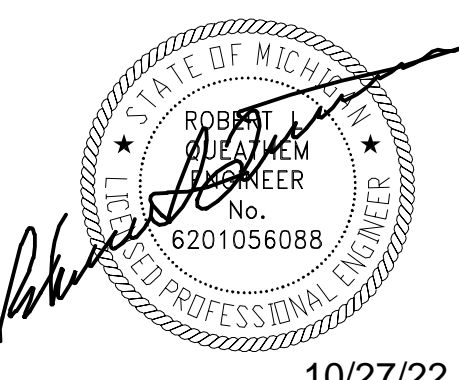
- OPEN for sales mode may also be invoked when any of the following occur:
- when an optional remote OPEN (for sales) switch is in the OPEN position
  - when the OPEN/CLOSED switch on the front of the TBCCB-3-WOS is placed in the MANUAL OPEN position
- (Sales) CLOSED mode**
- When the OPEN/CLOSED selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 2 of the Timeclock in the Control Box is programmed to place the building in CLOSED (FOR SALES) mode. This commands OFF the following:
- The Exterior Building Lights
  - The Exterior Signs,

**Manual CLOSED Mode** When a Team Member places the OPEN/CLOSED switch in the MANUALCLOSED position it turns off the Signs and Exterior Lights until the switch is placed back in AUTOMATIC or MANUAL OPEN position

**External Operations Not Part Of The Control Box Operation But Required To Be Installed**

- The following operations should take place between the package units and various components:
- Control voltage for RTU 2 shall pass through contacts in the fire suppression system for the exhaust hood so that RTU 2 evaporator fan shuts down upon an activation of the fire suppressant into the hood. The system shall be wired directly between the fire suppression system and RTU 2 or TBANS control box. See sheet E-7.1.
  - A remote smoke detector system featuring testing, annunciation and remote unit reset shall be installed in the manager's office for each RTU. The system shall be wired directly between each RTU and its respective testing, annunciation and reset device.

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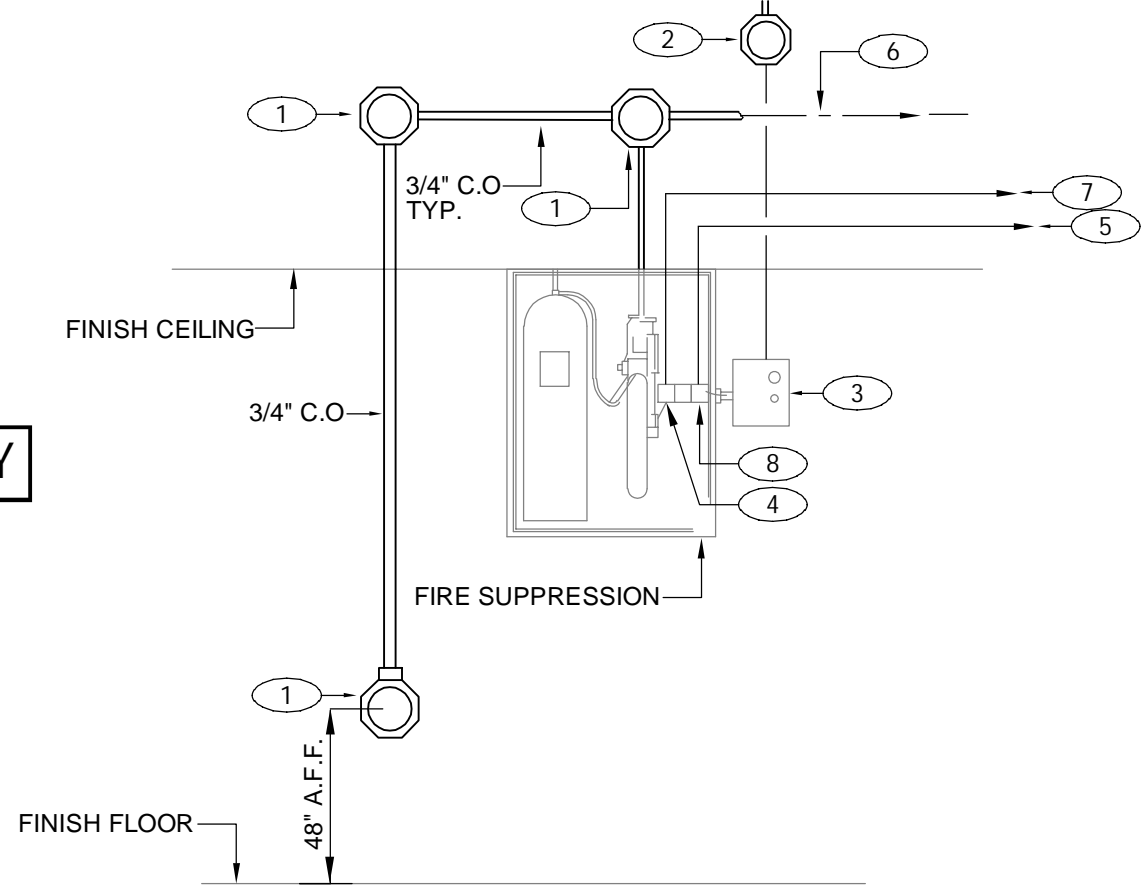
TACO BELL  
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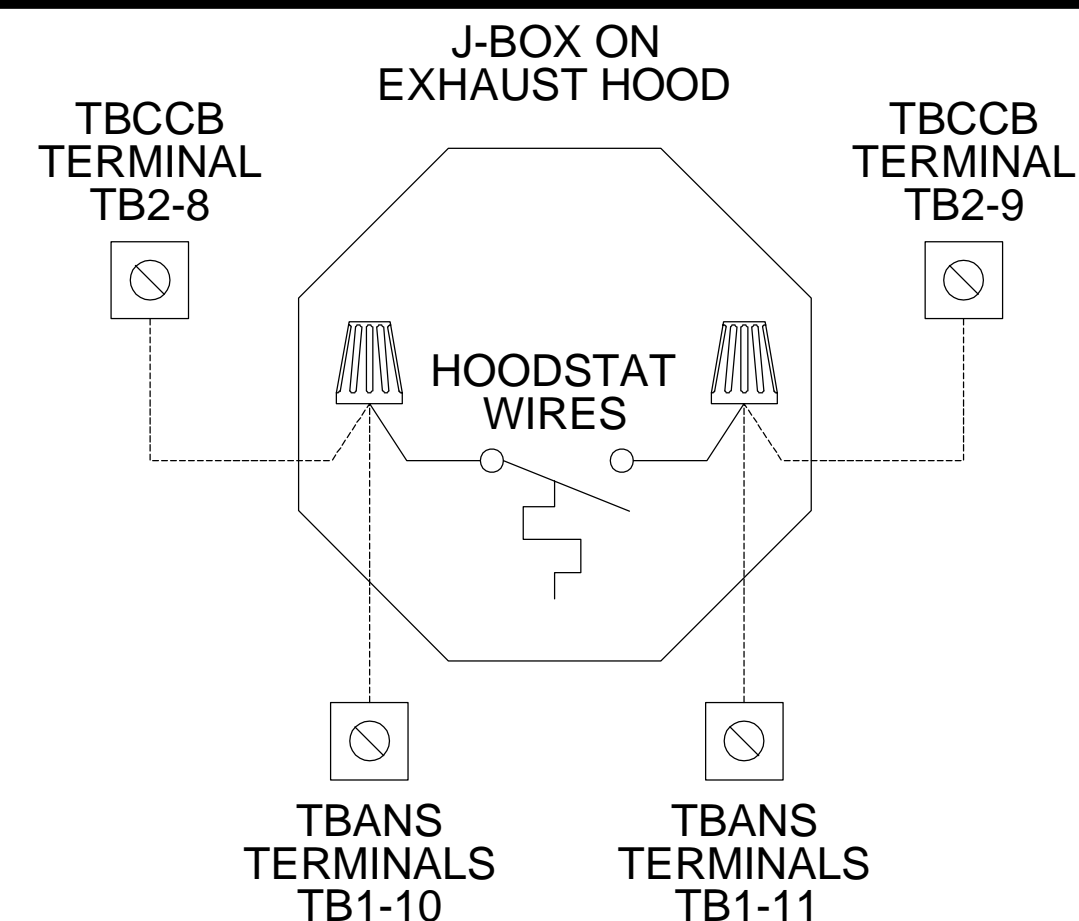
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**E6.0**

R0 SET ISSUED: 10.25.22

FOR REFERENCE ONLY

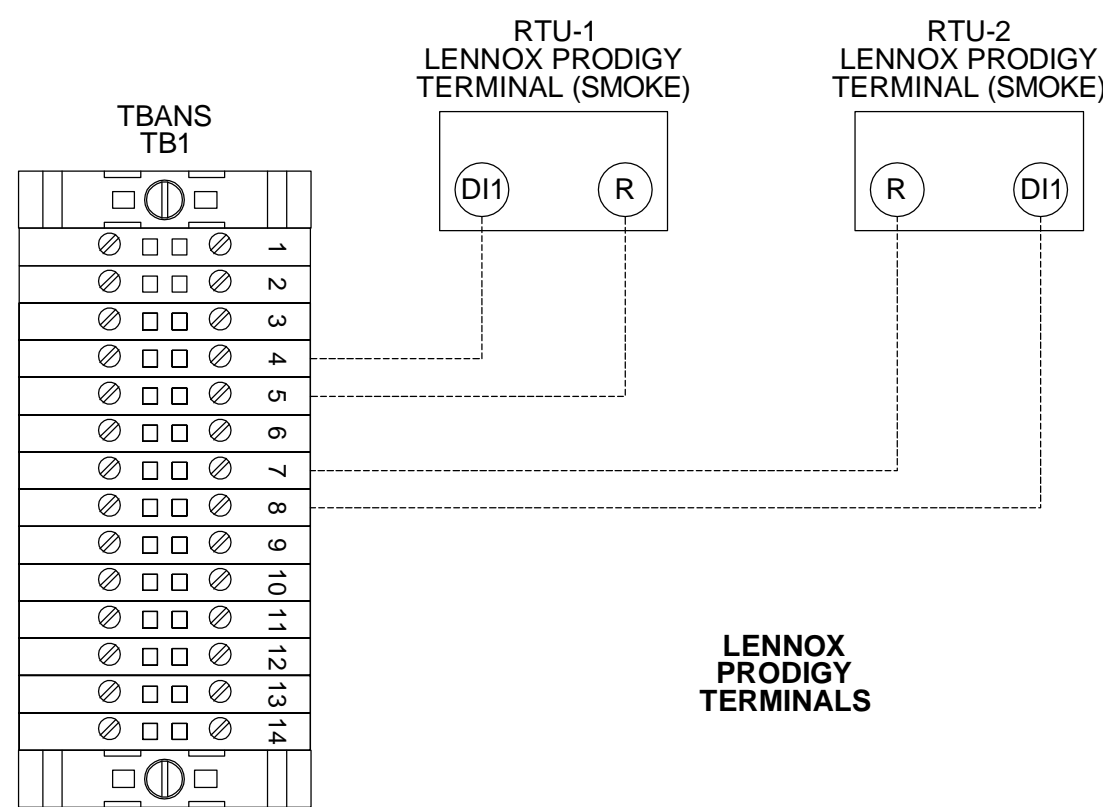


- GENERAL NOTE:  
1. REFER TO MECHANICAL SHEETS FOR MORE INFORMATION
- KEYED NOTES: (X)
1. PROVIDE 4" OCTAGONAL J-BOX.
  2. PROVIDE J-BOX, AND 110 V CIRCUIT. REFER TO EQUIPMENT SCHEDULE/FLOOR PLAN FOR CIRCUIT ASSIGNMENT. CONNECT TO TBANS. SEE DETAIL "F", THIS SHEET.
  3. TBANS BOX FOR HOOD SHUTDOWN. E.C. TO INSTALL AND PROVIDE CONNECTIONS.
  4. PROVIDE CONNECTIONS TO TBANS BOX FOR HOOD SHUTDOWN. SEE DETAIL "F", THIS SHEET.
  5. PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO EXHAUST & SUPPLY FAN.
  6. CABLE AND CONNECTION TO FUSIBLE LINKS AT EXHAUST HOOD BY K.E.C.
  7. PROVIDE INTERCONNECTION BETWEEN FIRE SUPPRESSION MICROSWITCH AND TBANS. SEE DETAIL "F", THIS SHEET.
  8. FIRE SUPPRESSION SYSTEM TO INCLUDE TWO MICROSWITCHES. EACH MICROSWITCH SHALL HAVE A COMMON, NORMALLY-OPEN AND NORMALLY-CLOSED POLE.

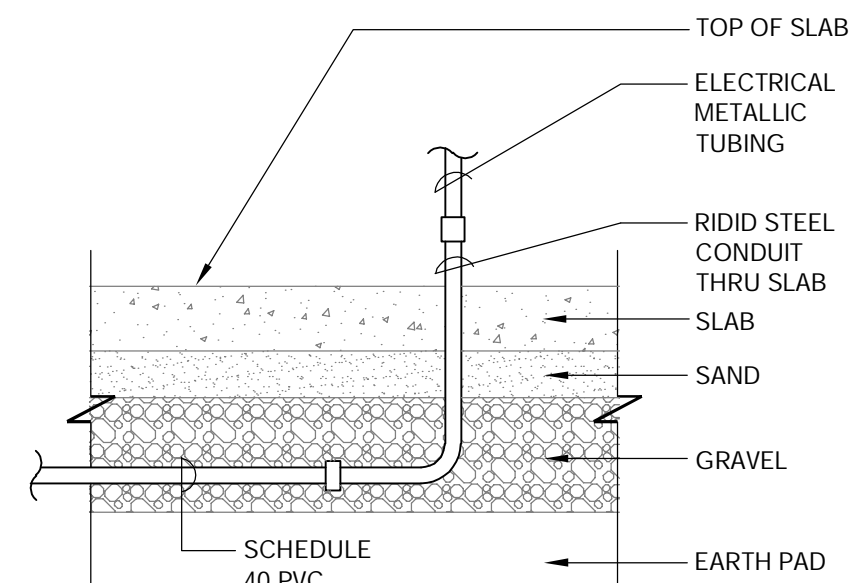


FIRE SUPPRESSION SYSTEM WIRING DIAGRAM N.T.S. A

TBANS TO HOODSTAT TO TBCCB N.T.S. B

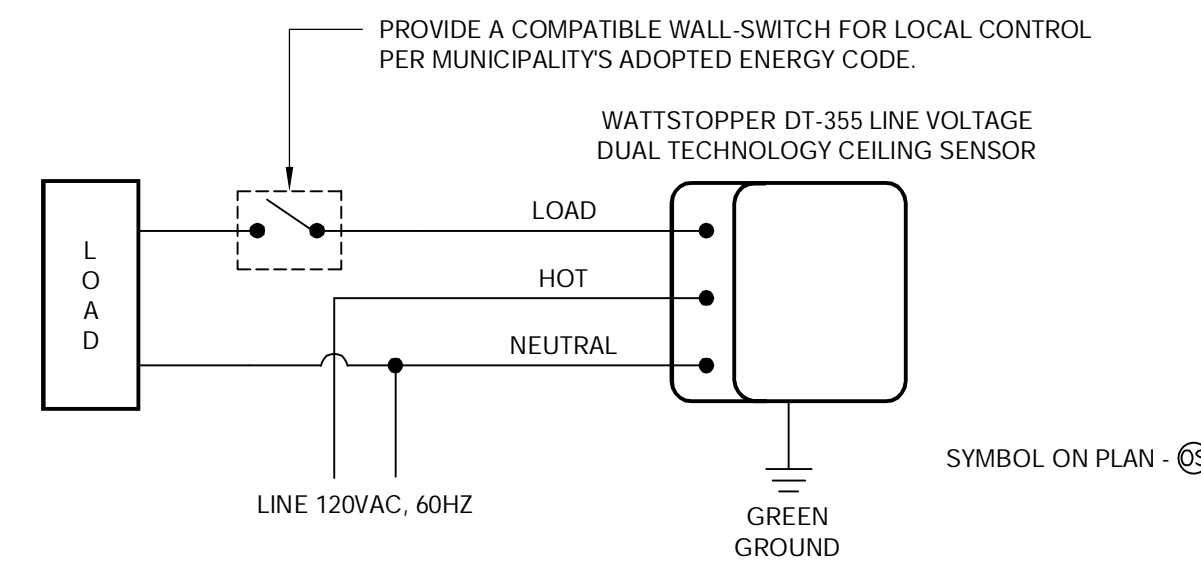


TBANS TO LENNOX PRODIGY SHUTDOWN N.T.S. C

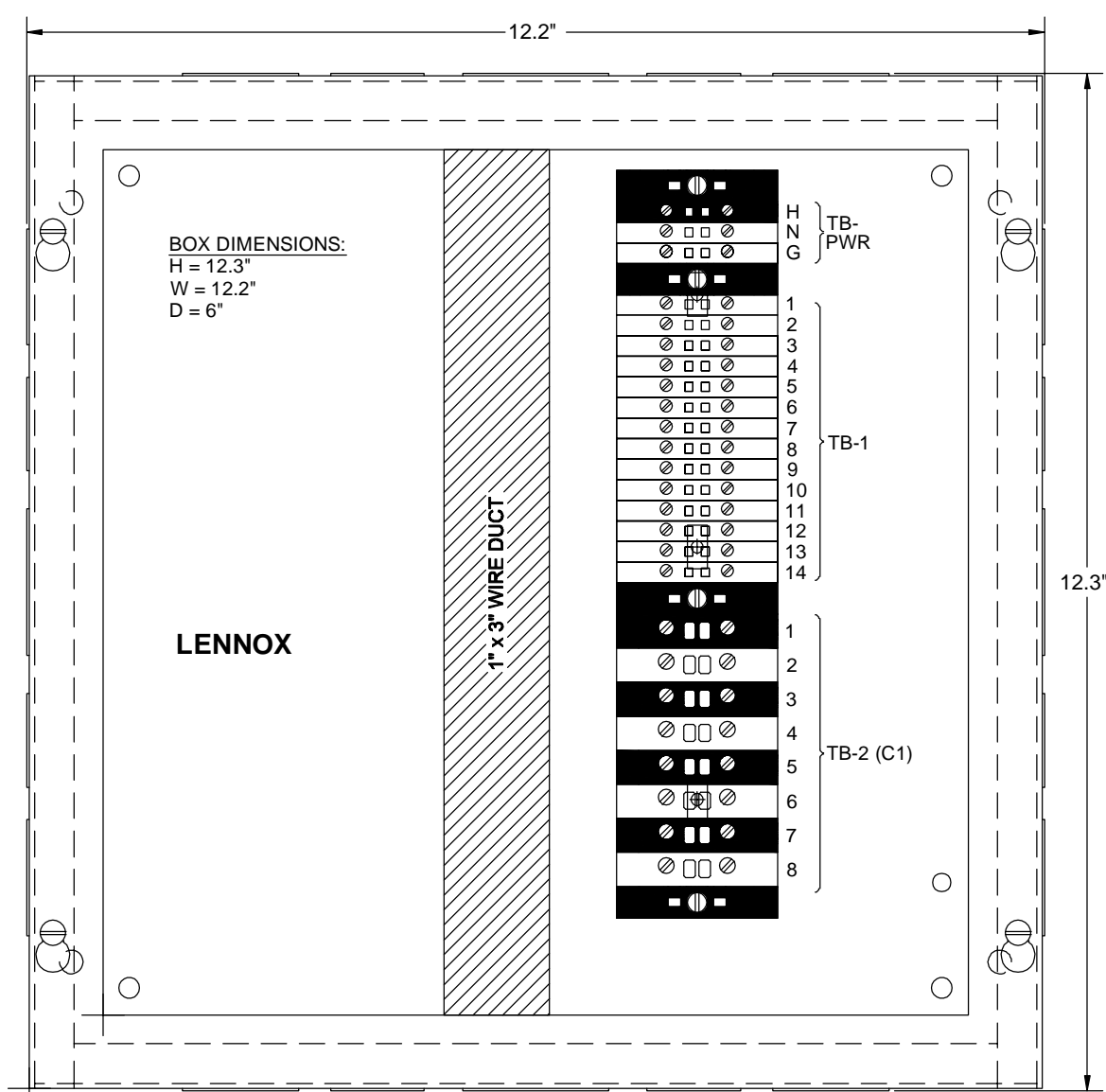


NOTE: GREEN GROUND WIRE REQUIRED IN ALL CONDUITS, SIZED PER N.E.C. REQUIREMENTS.

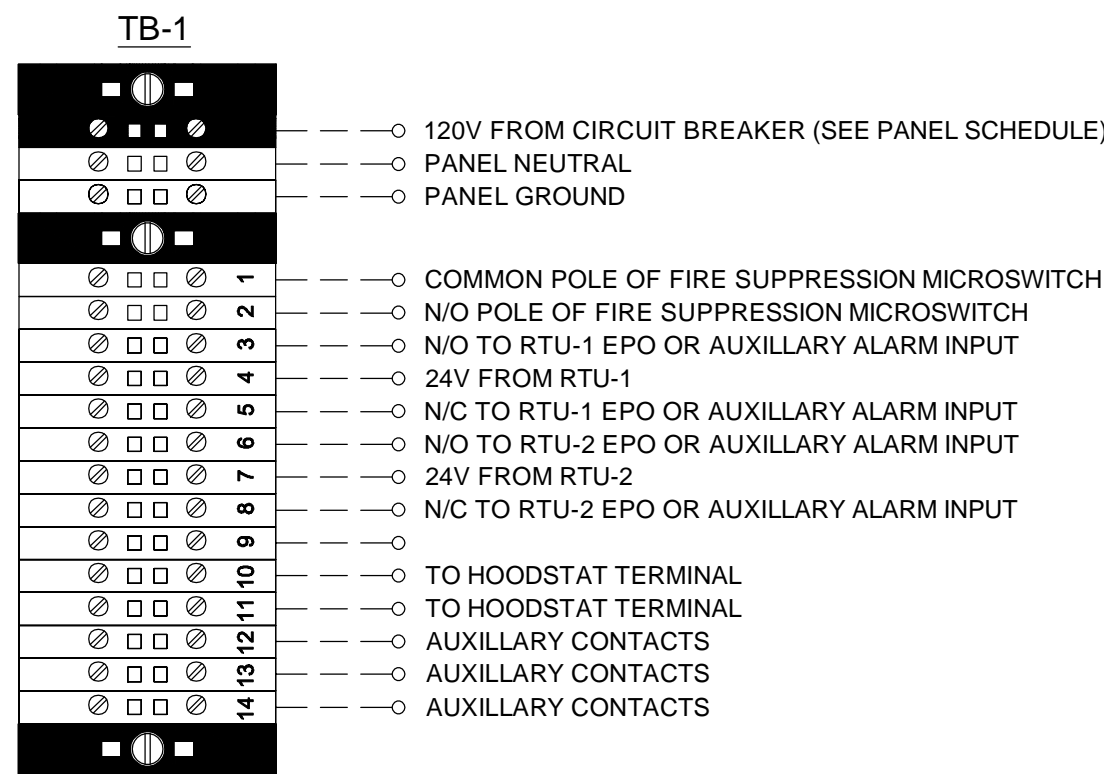
UNDER SLAB CONDUIT N.T.S. D



CEILING OCCUPANCY SENSOR WIRING DIAGRAM N.T.S. E



REFER TO DETAILS A AND G, THIS SHEET FOR CONNECTION DETAILS

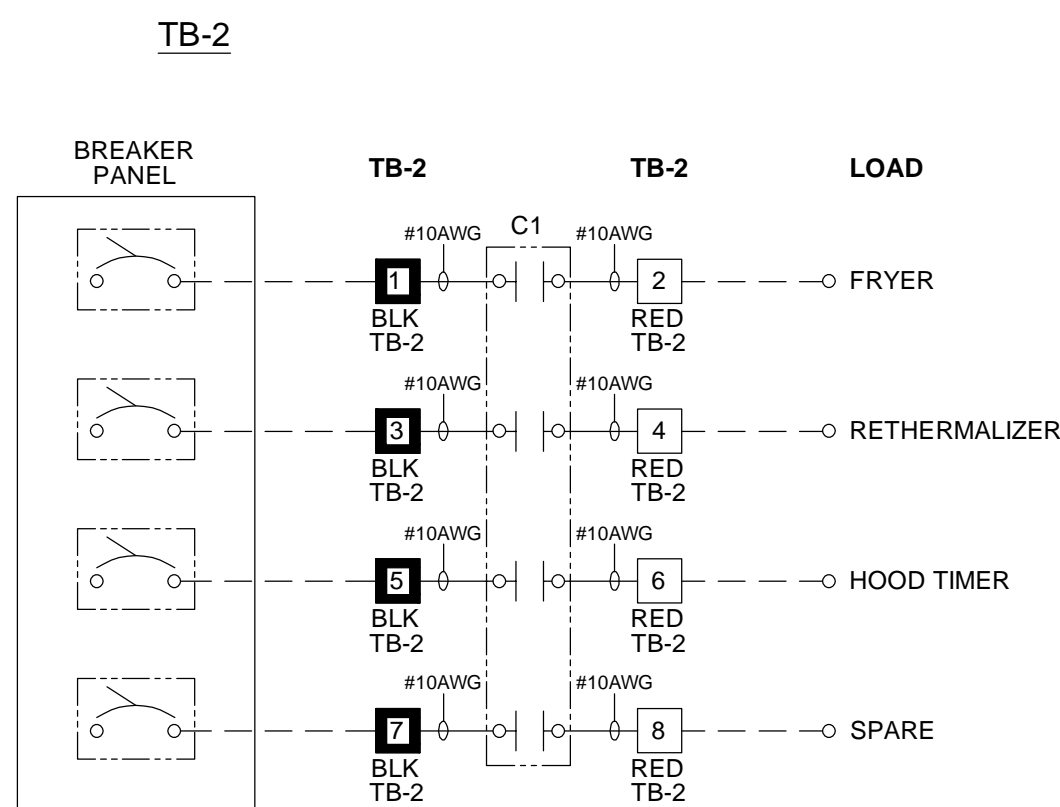


PANEL CIRCUIT NUMBER

SEE PANEL SCHEDULE

SEE PANEL SCHEDULE

SEE PANEL SCHEDULE



TBANS DETAIL N.T.S. F

SEQUENCE OF OPERATION:  
ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM RELAY SHALL CAUSE TBANS TO DE-ENERGIZE LOAD, THIS REMOVING POWER FROM ALL ELECTRICAL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD.

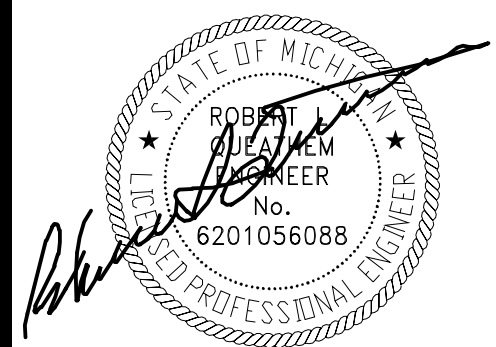
CONTROL BOX  
TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBANS CONTROL BOX TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.  
NOTE: TBANS MAY BE INCLUDED IN THE LIGHTING THE ELECTRICAL CONTRACTOR RESPONSIBLE TO VERIFY THE TBANS SYSTEM INCLUDES ALL WIRING AND COMPONENTS SHOWN FACTORY INSTALLED WITHIN THE BOX.

PRIMARY CONTACT: CHUCK MCCABE  
PHONE: 949 770 2222  
EMAIL: INFO@ACE-EMS.COM

--- = FIELD CONNECTIONS

TBCCB AND TBANS REQUIRE VISUAL INSTALLATION VERIFICATION CERTIFICATE. CONTACT CERTIFY@ACE-BCX.COM OR CALL 949 110 2222 FOR CERTIFICATE. SEE SHEET SW2.0.

NOT USED G



10/27/22

CONTRACT DATE:  
BUILDING TYPE: M70HD  
PLAN VERSION: MAJOR  
BRAND DESIGNER: FRANK WANCHO  
SITE NUMBER: 17105  
ARCVISION NUMBER: 200361

TACO BELL

28993 FORD ROAD  
GARDEN CITY, MI 48135

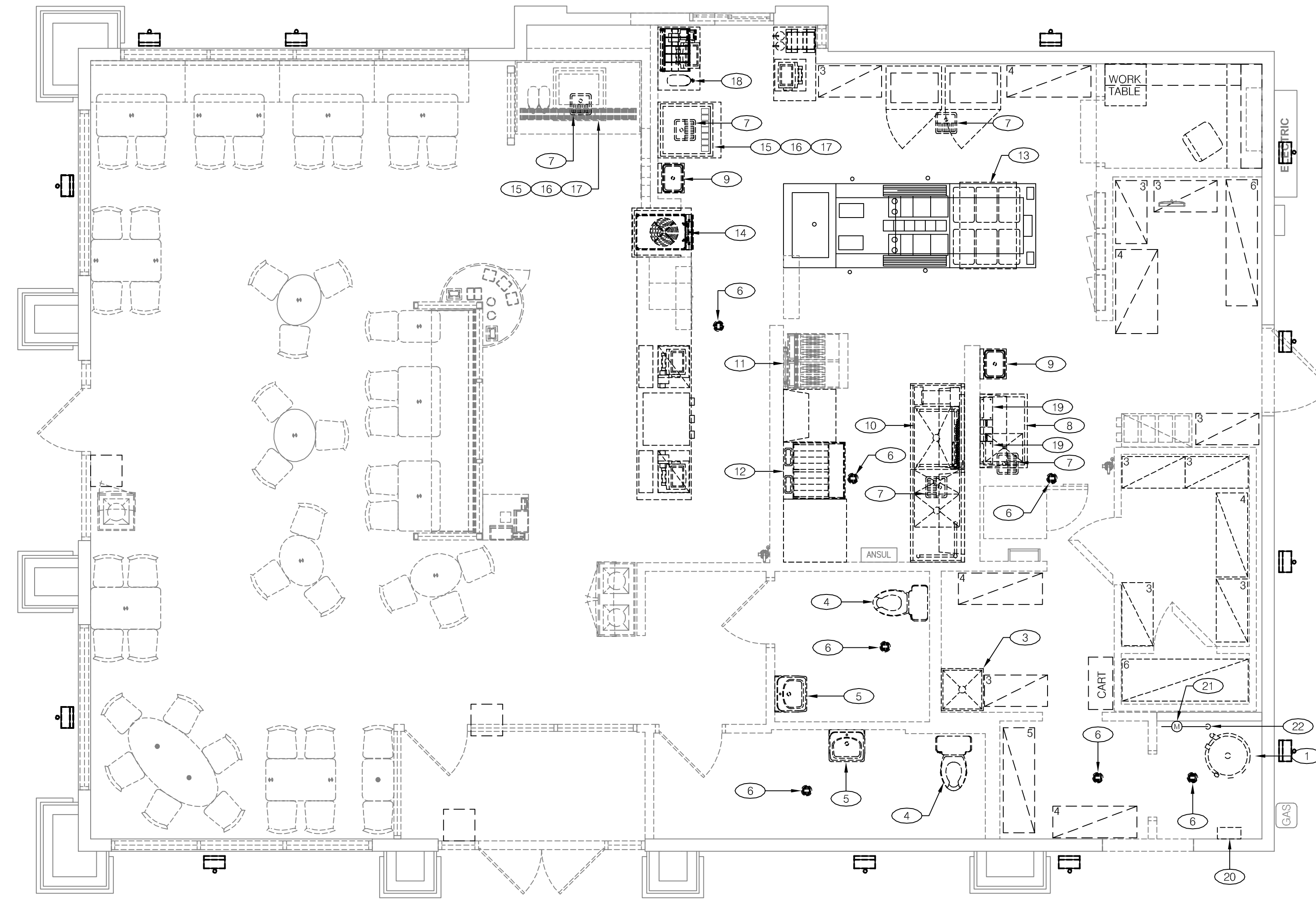


MAJOR  
REMODEL

ELECTRICAL  
DETAILS  
**E7.0**

R0 SET ISSUED: 10.25.22





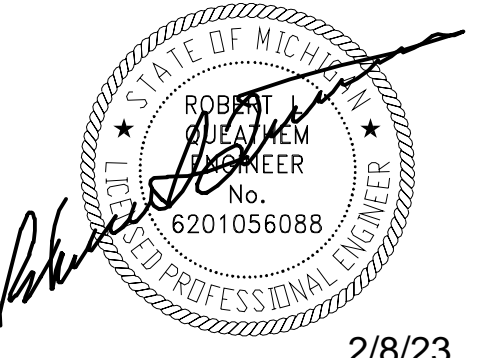
**PLUMBING PLAN** 1/4"=1'-0" **A**

- 1 EXISTING TANK TYPE GAS WATER HEATER IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WATER PIPING AND GAS PIPE IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. FIELD VERIFY.
- 2 NOT USED.
- 3 EXISTING MOP BASIN IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WASTE PIPING BELOW FLOOR BACK TO MAIN LEAVING NO DEAD ENDS. CAP EXISTING WATER AND VENT PIPING IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. CUT AND PATCH FLOOR/WALL/CEILING TO "LIKE NEW" CONDITION AS REQUIRED FIELD VERIFY.
- 4 EXISTING FLOOR SET TANK TYPE WATER CLOSET IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WASTE PIPING BELOW FLOOR BACK TO MAIN LEAVING NO DEAD ENDS. CAP EXISTING WATER AND VENT PIPING IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. CUT AND PATCH FLOOR/WALL/CEILING TO "LIKE NEW" CONDITION AS REQUIRED FIELD VERIFY.
- 5 EXISTING WALL HUNG LAVATORY IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WASTE PIPING BELOW FLOOR BACK TO MAIN LEAVING NO DEAD ENDS. CAP EXISTING WATER AND VENT PIPING IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. CUT AND PATCH FLOOR/WALL/CEILING TO "LIKE NEW" CONDITION AS REQUIRED FIELD VERIFY.
- 6 EXISTING FLOOR DRAIN IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WASTE PIPING BELOW FLOOR BACK TO MAIN LEAVING NO DEAD ENDS. CAP EXISTING VENT PIPING IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. CUT AND PATCH FLOOR/WALL/CEILING TO "LIKE NEW" CONDITION AS REQUIRED FIELD VERIFY.
- 7 EXISTING FLOOR SINK IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WASTE PIPING BELOW FLOOR BACK TO MAIN LEAVING NO DEAD ENDS. CAP EXISTING VENT PIPING IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. CUT AND PATCH FLOOR/WALL/CEILING TO "LIKE NEW" CONDITION AS REQUIRED FIELD VERIFY.

- 8 EXISTING ONE BOWL PREP SINK IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WASTE PIPING BELOW FLOOR BACK TO MAIN LEAVING NO DEAD ENDS. CAP EXISTING VENT PIPING IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. CUT AND PATCH FLOOR/WALL/CEILING TO "LIKE NEW" CONDITION AS REQUIRED FIELD VERIFY.
- 9 EXISTING HAND SINK IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WASTE PIPING BELOW FLOOR BACK TO MAIN LEAVING NO DEAD ENDS. CAP EXISTING WATER AND VENT PIPING IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. CUT AND PATCH FLOOR/WALL/CEILING TO "LIKE NEW" CONDITION AS REQUIRED FIELD VERIFY.
- 10 EXISTING 3 COMPARTMENT SINK IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CAP EXISTING WASTE PIPING BELOW FLOOR BACK TO MAIN LEAVING NO DEAD ENDS. CAP EXISTING VENT PIPING IN CEILING SPACE BACK TO MAINS. ALL PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. CUT AND PATCH FLOOR/WALL/CEILING TO "LIKE NEW" CONDITION AS REQUIRED FIELD VERIFY.
- 11 PRESENT LOCATION EXISTING GAS FRYER TO BE RELOCATED. CONTRACTOR IS TO CAP EXISTING GAS PIPING IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 12 EXISTING REETHERMALIZER IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CONTRACTOR IS TO CAP EXISTING WATER LINE IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 13 EXISTING DRY PRODUCTION LINE IS TO BE REMOVED AND REPLACED WITH NEW. CONTRACTOR IS TO CAP EXISTING RO WATER LINE IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 14 EXISTING FROZEN DRINK MACHINE IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CONTRACTOR IS TO CAP EXISTING WATER LINE IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE

- CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 15 EXISTING DRINK STATION IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CONTRACTOR IS TO CAP EXISTING WATER LINE IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 16 EXISTING ICE MACHINE IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CONTRACTOR IS TO CAP EXISTING WATER LINE IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 17 EXISTING ICE MAKER ABOVE DRINK STATION IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CONTRACTOR IS TO CAP EXISTING WATER LINE IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 18 EXISTING TEA BREWER IS TO BE REMOVED AND DISPOSED OF AS PER THE CONSTRUCTION MANAGER'S DIRECTION. CONTRACTOR IS TO CAP EXISTING WATER LINE IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. DO NOT ABANDON IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 19 EXISTING HOT WATER MACHINES IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. CONTRACTOR IS TO CAP EXISTING WATER LINE IN CEILING SPACE BACK TO MAIN. ALL UNUSED PORTIONS OF PIPING NOT BEING REUSED IS TO BE REMOVED AND DISPOSED OF PER THE CONSTRUCTION MANAGER'S DIRECTION. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 20 EXISTING WATER BOOSTER PUMP AND PRESSURE REGULATOR ARE TO BE REMOVED AND RELOCATED TO LOCATION INDICATED ON SHEET P3.0.
- 21 EXISTING WATER METER AND ASSOCIATED PIPING AS SHOWN IS TO REMAIN.
- 22 EXISTING WATER SERVICE ENTRANCE AND HOUSE SHUT OFF VALVE TO REMAIN.

**KEY NOTES** **B**



2/8/23

02.08.23 CITY COMMENTS

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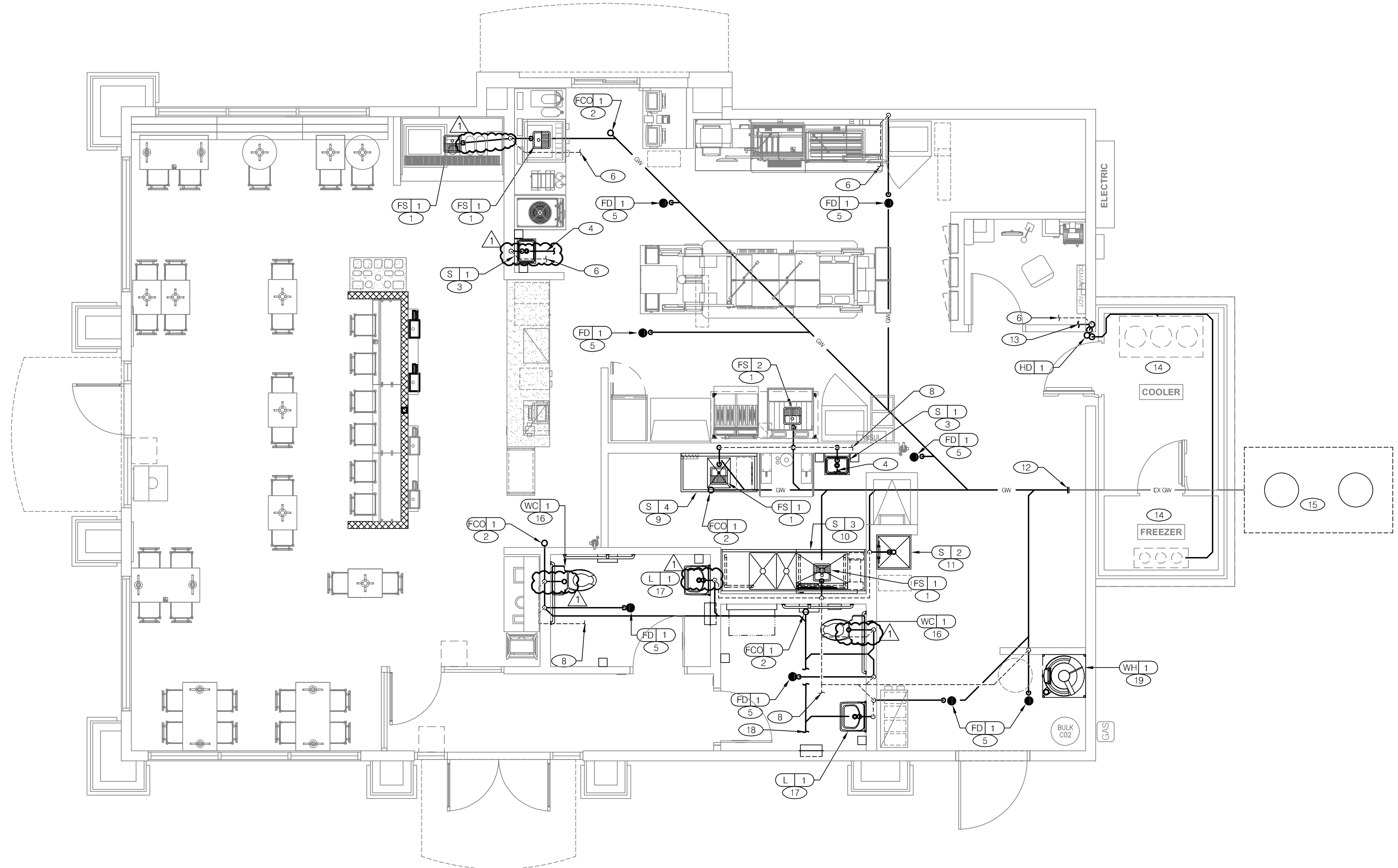
**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135



**PLUMBING PLAN - DEMO**

**P1.0**

RO SET ISSUED: 10.25.22



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

1. SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
2. ALL VALVES, SHOCK ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
3. PRIOR TO COMMENCING WORK ON THIS PROJECT, CONTRACTOR SHALL VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL EXISTING UTILITIES IN FIELD BEFORE STARTING WORK. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED WHICH WOULD CAUSE THE DESIGN TO BE ALTERED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.
4. CONTRACTOR SHALL COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR TO REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
5. ALL PLUMBING WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE & LOCAL ORDINANCES & REGULATIONS HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN ALL APPROVALS REQUIRED FROM REGULATING AGENCIES BEFORE STARTING WORK. ALL PLUMBING WORK & MATERIALS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS OF THE LOCAL PLUMBING CODE, UNLESS OTHERWISE REQUIRED BY THE DEPARTMENT OF BUILDING & SAFETY. OBTAIN & PAY FOR ALL PERMITS, FEES & INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES. ALL PIPING TO BE CONCEALED UNLESS NOTED OTHERWISE.
6. THE EQUIPMENT ROUGH-INS AS SHOWN ARE BASED UPON AVAILABLE INFORMATION. HOWEVER, IN SOME INSTANCES, THE OWNER OR SUPPLIER MAY SUBSTITUTE OR THE EQUIPMENT ITEM MAY VARY FROM WHAT IS SHOWN, THEREFORE, THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE OWNER PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY ON THE CONTRACTOR.
7. INSTALL SHUTOFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES SHALL BE CHROME PLATED.
8. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
9. REFER TO SHEETS A10.1 AND ADA1.0 FOR DISABLED RESTROOM REQUIREMENTS.

**GENERAL NOTES** **C**

SYMBOL	ABBREV	DESCRIPTION
PLUMBING EQUIPMENT DESIGNATION DESIGNATED NUMBER		
	AFF	ABOVE FINISHED FLOOR
	AP	ACCESS PANEL
	CI	CAST IRON
	S/S	STAINLESS STEEL
	CW	COLD WATER / CW STUB
	HW	HOT WATER / HW STUB
	SS	SANITARY SEWER
	V	SANITARY VENT
	FS	FLOOR SINK

**PLUMBING LEGEND** **D**

- 1 NEW FLOOR SINK. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 2 NEW FLOOR CLEANOUT. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 3 NEW HAND SINK. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 4 EXTEND AND CONNECT NEW 2" SANITARY SEWER TO EXISTING SANITARY SEWER OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION, SIZE AND INVERT ELEVATION. CUT AND PATCH FLOOR TO "LIKE NEW" CONDITION AS REQUIRED. [F]
- 5 NEW FLOOR DRAIN. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 6 EXTEND AND CONNECT NEW 1 1/2" VENT PIPE TO EXISTING VENT PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION AND SIZE. [F]
- 7 EXISTING FLOOR DRAIN W/GRATE FLUSH WITH NEW FINISHED FLOOR. [F]
- 8 EXTEND AND CONNECT NEW 2" VENT PIPE TO EXISTING VENT PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION AND SIZE. [F]
- 9 NEW SINGLE BOWL PREP SINK. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 10 NEW THREE COMPARTMENT SINK. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 11 NEW MOP BASIN. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 12 EXTEND AND CONNECT NEW 4" GREASE WASTE PIPE TO EXISTING GREASE WASTE PIPE OF THE SAME SIZE OR LARGER AT APPROXIMATE LOCATION INDICATED. FIELD VERIFY EXACT LOCATION, SIZE, DIRECTION OF FLOW AND INVERT ELEVATION. [F]
- 13 EXTEND AND CONNECT NEW 3" SANITARY SEWER TO EXISTING SANITARY SEWER OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION, SIZE AND INVERT ELEVATION. CUT AND PATCH FLOOR TO "LIKE NEW" CONDITION AS REQUIRED. [F]
- 14 PROVIDE 3/4" COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR T OUTFALL AT HUB DRAIN (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE). CONCEAL CONDENSATE PIPE IN WALL. [F]
- 15 APPROXIMATE LOCATION OF EXISTING GREASE INTERCEPTOR. CONTRACTOR IS TO EMPTY AND INSPECT EXISTING GREASE INTERCEPTOR TO ENSURE IT IS PROPER WORKING ORDER. [F]
- 16 NEW ADA COMPLIANT FLOOR SET TANK TYPE WATER CLOSET. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 17 NEW ADA COMPLIANT WALL HUNG LAVATORY. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [F]
- 18 EXTEND AND CONNECT NEW 4" SANITARY SEWER TO EXISTING SANITARY SEWER OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION, SIZE, DIRECTION OF FLOW AND INVERT ELEVATION. CUT AND PATCH FLOOR TO "LIKE NEW" CONDITION AS REQUIRED. [F]
- 19 NEW TANK TYPE GAS WATER HEATER. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. ROUTE T&P DRAIN PIPE TO NEARBY FLOOR DRAIN AND DISCHARGE WITH CODE APPROVED AIR GAP. [F]

**KEY NOTES** **B**

**ARCVISION**  
**INCORPORATED**  
 ARCHITECTURE • ENGINEERING • STORE PLANNING  
 SAINT LOUIS / DALLAS / LAS VEGAS / ORLANDO  
 1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146  
 PH. (314) 415-2400 FAX (314) 415-2300 www.arcv.com



2/8/23

02.08.23 CITY COMMENTS

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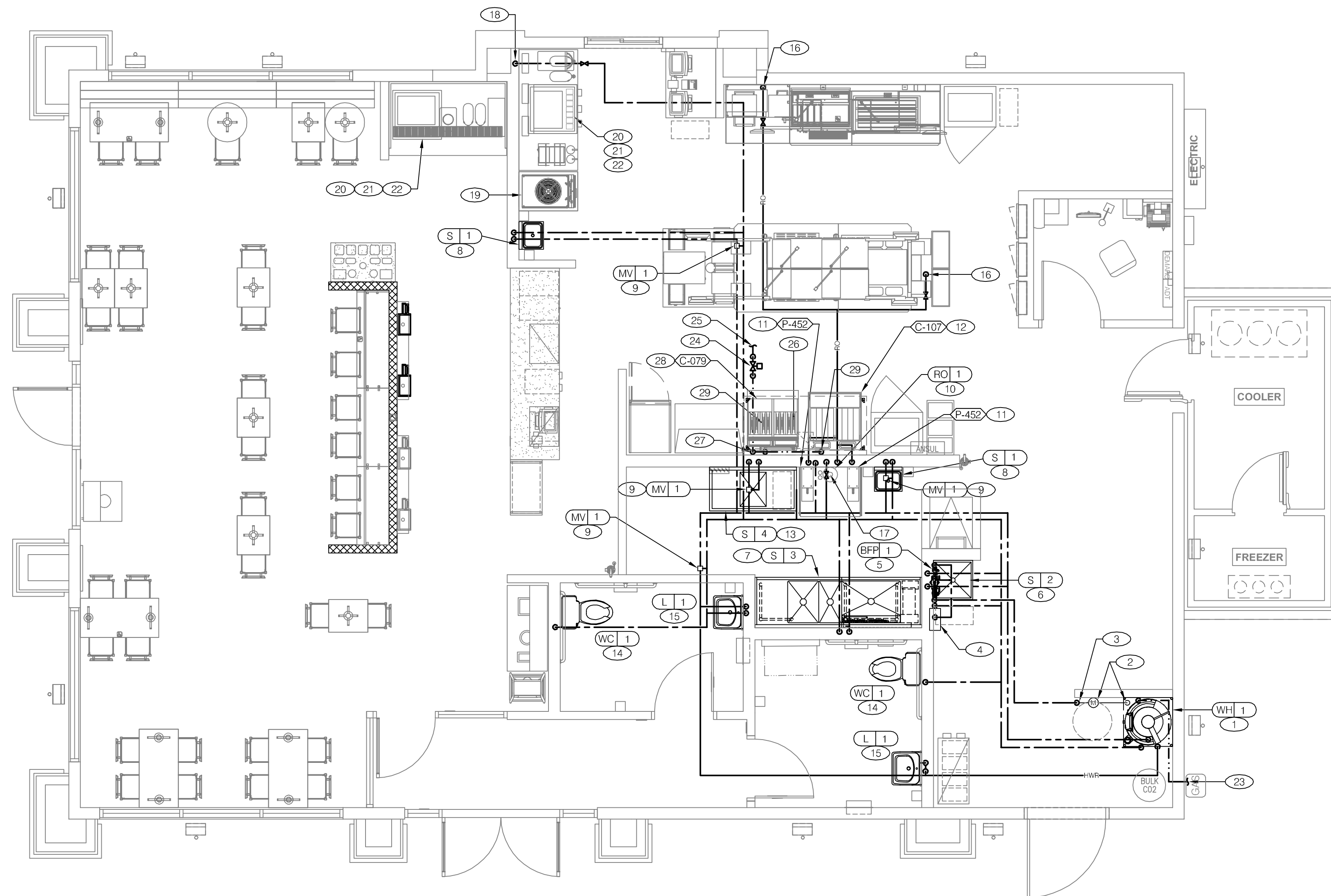
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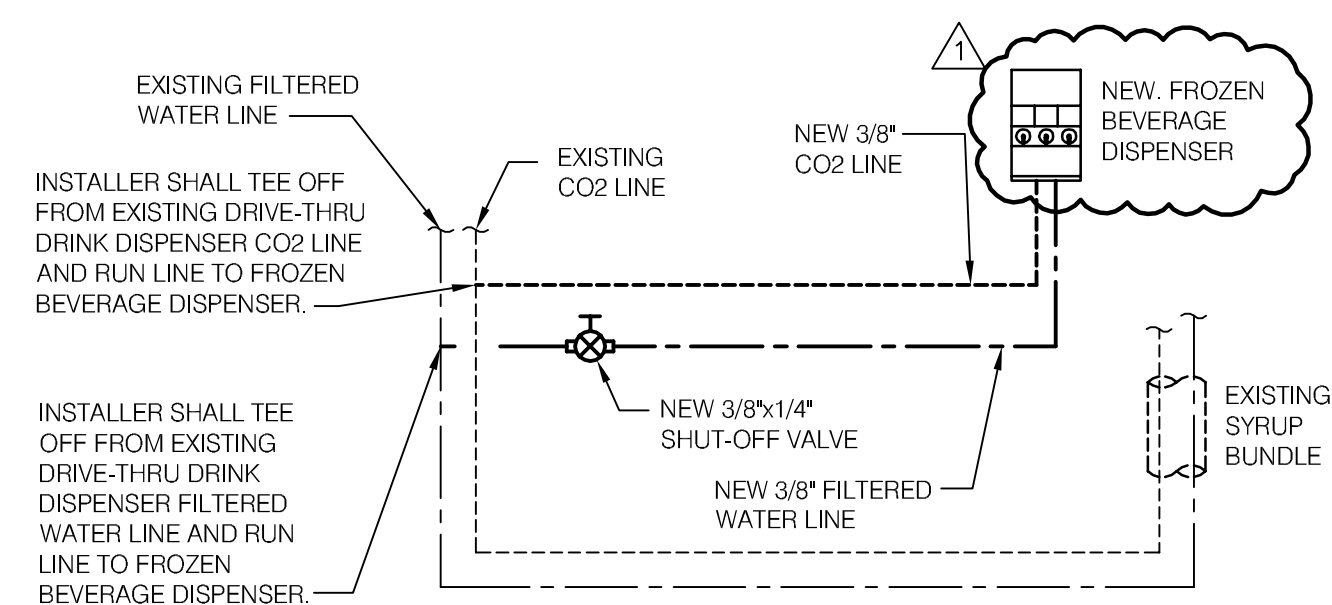
**PLUMBING PLAN  
 WASTE & VENT**

**P2.0**

R0 SET ISSUED: 10.25.22



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



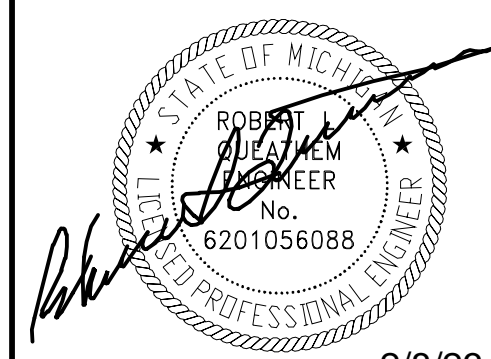
**FBD SYSTEM DETAIL** N.T.S. **D**

- 1 NEW TANK TYPE GAS WATER HEATER. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 2 EXISTING WATER SERVICE ENTRANCE AND HOUSE SHUT-OFF VALVE. [R]
- 3 EXTEND AND CONNECT NEW 1 1/2" COLD WATER TO EXISTING COLD WATER PIPE AT LOCATION INDICATED. FIELD VERIFY EXACT LOCATION AND SIZE. [R]
- 4 RELOCATED BOOSTER PUMP AND WATER PRESSURE REGULATOR. [R]
- 5 NEW REDUCE PRESSURE BACKFLOW PREVENTER INSTALL ABOVE MOP BASIN. ROUTE BACKFLOW PREVENTER DRAIN INTO MOP BASIN AND DISCHARGE WITH CODE APPROVED AIR GAP. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 6 NEW MOP BASIN. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 7 NEW 3 COMPARTMENT SINK. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 8 NEW HAND SINK. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 9 NEW THERMOSTATIC MIXING VALVE INSTALLED ABOVE LAY-IN CEILING. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 10 NEW RO SYSTEM. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 11 NEW HOT WATER MACHINE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. [R]
- 12 NEW RETHERMALIZER. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE NEW GAS PIPING AS REQUIRED. FIELD VERIFY LOCATION. [R]
- 13 NEW SINGLE BOWL PREP SINK. SEE PLUMBING FIXTURE SCHEDULE FOR CONTINUATION. [R]
- 14 NEW ADA COMPLIANT FLOOR SET TANK TYPE WATER CLOSET. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 15 NEW ADA COMPLIANT WALL HUNG LAVATORY. SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. [R]
- 16 1/2" RO WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON RO PIPING IN CEILING NEAR CHASE. [R]

- 17 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-315 AND 1/2" FILTER WATER FRO REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON COLD WATER PIPE PRIOR TO CONNECTION TO FILTER. SEE DETAIL ON SHEET P5.0. [R]
- 18 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BREWER. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER. [R]
- 19 NEW FROZEN DRINK MACHINES. CONNECT FILTERED WATER LINE TO NEW PEPSI WATER FILTER AS REQUIRED. FILTERED WATER AND CO2 CONNECTIONS AT LOCATION SHOWN AFTER COMPLETION OF NEW COUNTER CONSTRUCTION BY THIRD PARTY. REFER TO FBO SYSTEM DETAIL FOR ADDITIONAL INFORMATION. [R]
- 20 NEW BEVERAGE DISPENSER INSTALLED BY PEPSI SUPPLIER AFTER COMPLETION OF CONSTRUCTION. ENSURE PROPER DISCHARGE OF INDIRECT WASTE PIPE TO EXISTING FLOOR SINK WITH CODE APPROVED AIR GAP. CONNECT TO EXISTING TUBING FROM EXISTING SYRUP BUNDLES AS REQUIRED. FIELD VERIFY. [R]
- 21 NEW ICE MACHINE INSTALLED ABOVE NEW BEVERAGE DISPENSER BY PEPSI SUPPLIER. ENSURE PROPER DISCHARGE OF INDIRECT WASTE TO EXISTING FLOOR SINK WITH CODE APPROVED AIR GAP. FIELD VERIFY. [R]
- 22 NEW CARBONATOR INSTALLED AFTER COMPLETION OF NEW CONSTRUCTION. CONNECT NEW FILTERED WATER PIPING AS REQUIRED. FIELD VERIFY EXACT LOCATION. CONTRACTOR SHALL PROVIDE AND INSTALL STAINLESS STEEL REDUCE PRESSURE ZONE BACKFLOW PREVENTER (WATT S5009 OR APPROVED EQUAL). INSTALL UPSTREAM OF CARBONATOR AS PER SECTION 608.17.1.1 OF THE 2018 MICHIGAN PLUMBING CODE. ROUTE DRAIN FROM BACKFLOW PREVENTER TO EXISTING FLOOR SINK AND DISCHARGE WITH CODE APPROVED AIR GAP. [R]
- 23 EXTEND AND CONNECT NEW 1 1/4" GAS PIPING TO EXISTING GAS PIPING AT METER. CONTRACTOR IS TO UPGRADE EXISTING METER AS REQUIRED DUE TO INCREASE IN DEMAND FROM NEW WATER HEATERS. [R]
- 24 NEW EMERGENCY SHUT OFF VALVE LOCATED BELOW CEILING. [R]
- 25 EXTEND AND CONNECT NEW 1 1/4" GAS PIPE TO EXISTING GAS PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION AND SIZE. [R]
- 26 RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT. HARD GAS LINES BEHIND COOKING EQUIPMENT SHALL NOT BE MORE THAN 6" MAX FROM THE WALL SURFACE. [R]
- 27 1 1/4" DOWN ALONG WALL TO TACO BELL COOKING EQUIPMENT. [R]

- 28 EXISTING GAS FRYER TO BE RELOCATED AS SHOWN. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE NEW GAS PIPING WITH THE SIZE TO MATCH EXISTING AS REQUIRED. FIELD VERIFY TOTAL BTUS, PIPE SIZE, AND LOCATION. [R]
- 29 GAS DIRT LEG W/GAS COOK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT. SEE GAS RISER DIAGRAM FOR PIPE SIZES. [R]

**KEY NOTES** **B**



2/8/23

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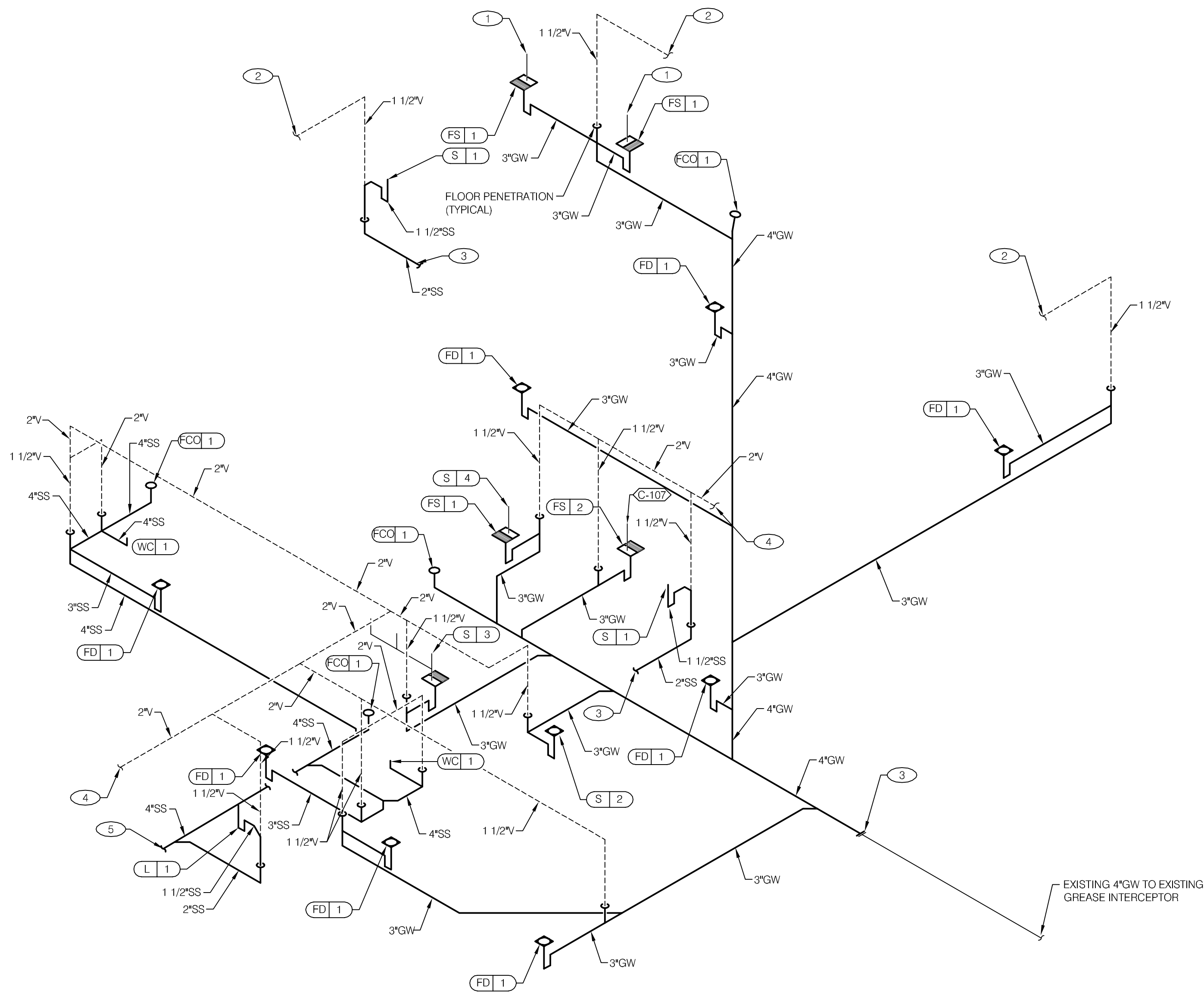
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**PLUMBING PLAN**  
**WATER & GAS**

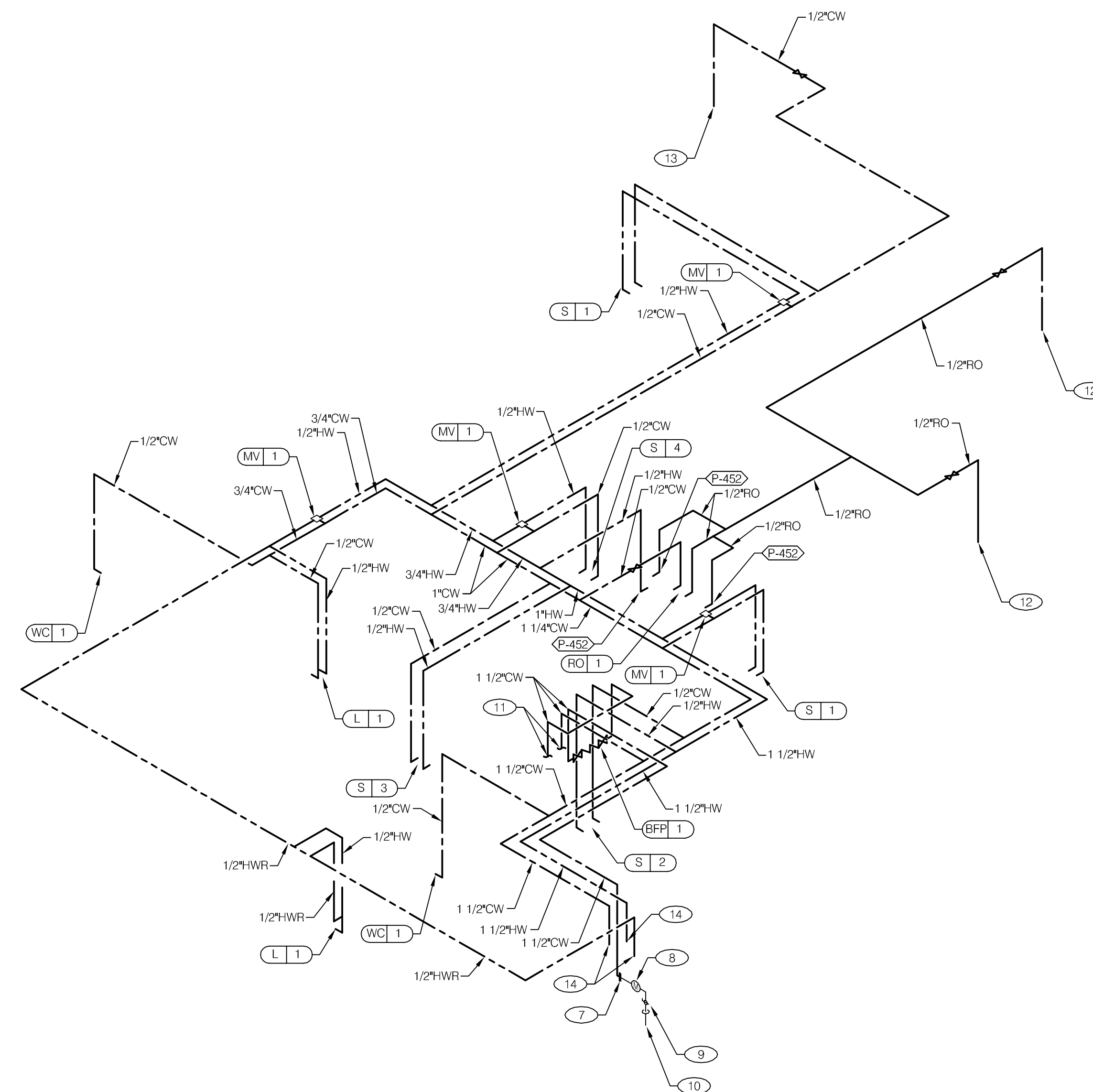
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R0 SET ISSUED: 10.25.22



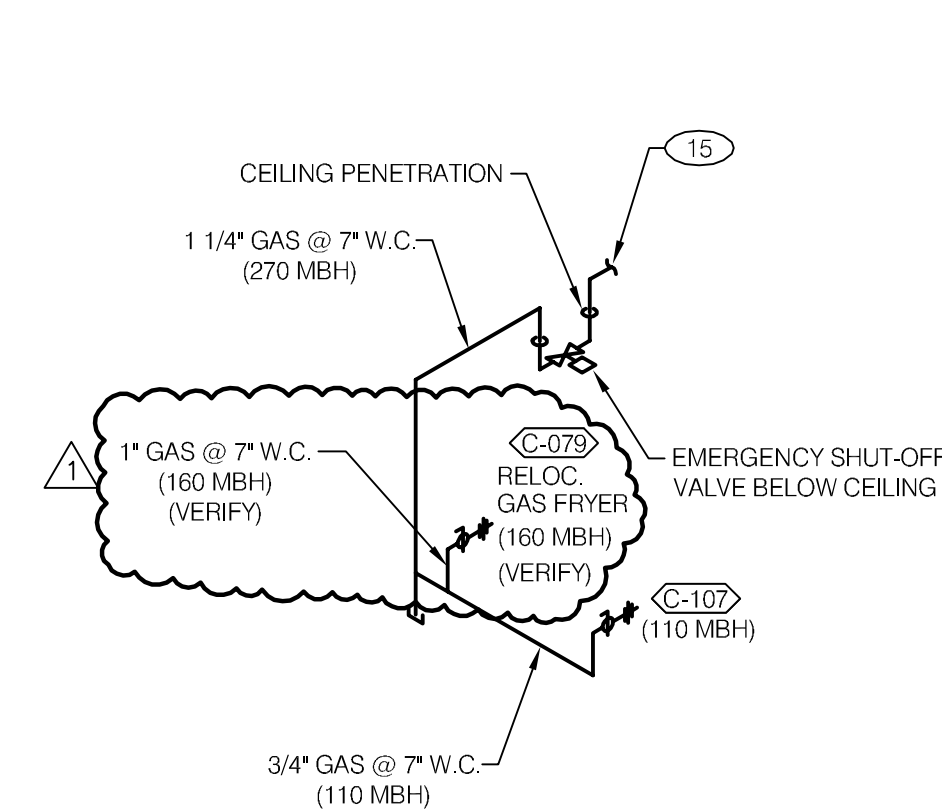
**WASTE RISER DIAGRAM**

**A**

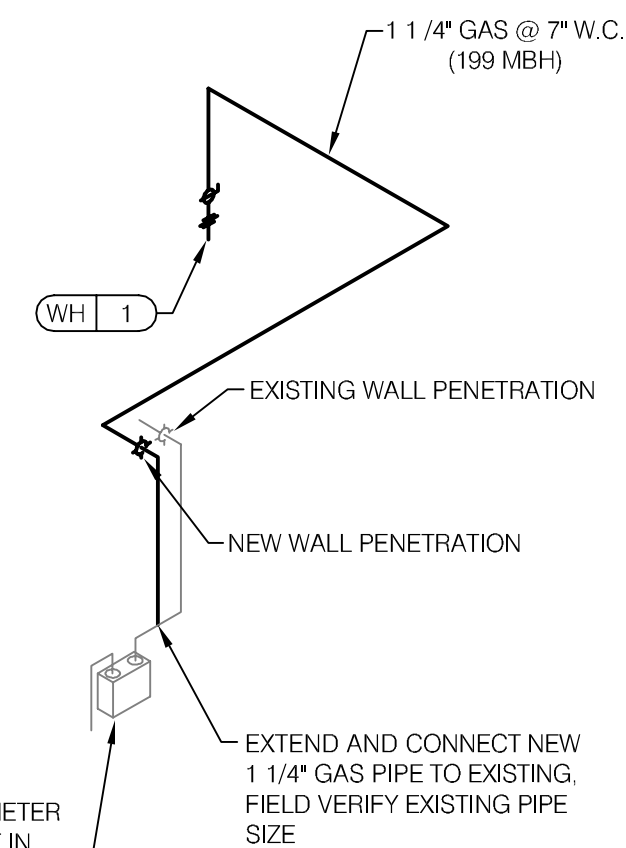


**WATER RISER DIAGRAM**

**B**



CONTRACTOR IS TO UPGRADE METER AS REQUIRED DUE TO INCREASE IN DEMAND FROM NEW WATER HEATERS



**GAS RISER DIAGRAM**

**C**

- 1 NEW INDIRECT WASTE PIPES FROM NEW BEVERAGE DISPENSER AND NEW ICE MACHINE.
- 2 EXTEND AND CONNECT NEW 1 1/2" V TO EXISTING VENT PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION AND SIZE.
- 3 EXTEND AND CONNECT NEW 2" SANITARY SEWER PIPE TO EXISTING SANITARY SEWER PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION, SIZE AND INVERT ELEVATION.
- 4 EXTEND AND CONNECT NEW 2" V TO EXISTING VENT PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION AND SIZE.
- 5 EXTEND AND CONNECT NEW 4" SANITARY SEWER PIPE TO EXISTING SANITARY SEWER PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION, SIZE AND INVERT ELEVATION.
- 6 EXTEND AND CONNECT NEW 4" GREASE WASTE PIPE TO EXISTING GREASE WASTE PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION, SIZE AND INVERT ELEVATION.
- 7 EXTEND AND CONNECT NEW 1 1/2" COLD WATER PIPE TO EXISTING 1 1/2" COLD WATER PIPE FIELD VERIFY EXACT LOCATION.
- 8 EXISTING WATER METER TO REMAIN.
- 9 EXISTING HOUSE SHUT-OFF VALVE.
- 10 EXISTING INCOMING DOMESTIC WATER SERVICE.
- 11 1 1/2" COLD WATER TO AND FROM RELOCATED DOMESTIC WATER BOOSTER PUMP.
- 12 1/2" RO WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON PIPE IN CEILING.
- 13 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BRWR. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.
- 14 1" CW, 1" HW AND 1/2" HW DOWN TO WATER HEATER.
- 15 EXTEND AND CONNECT NEW 1 1/4" GAS TO EXISTING GAS PIPE OF THE SAME SIZE OR LARGER. FIELD VERIFY EXACT LOCATION AND SIZE.

**KEY NOTES**

**D**



2/8/23

02.08.23 CITY COMMENTS

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHO  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**

28993 FORD ROAD  
 GARDEN CITY, MI 48135

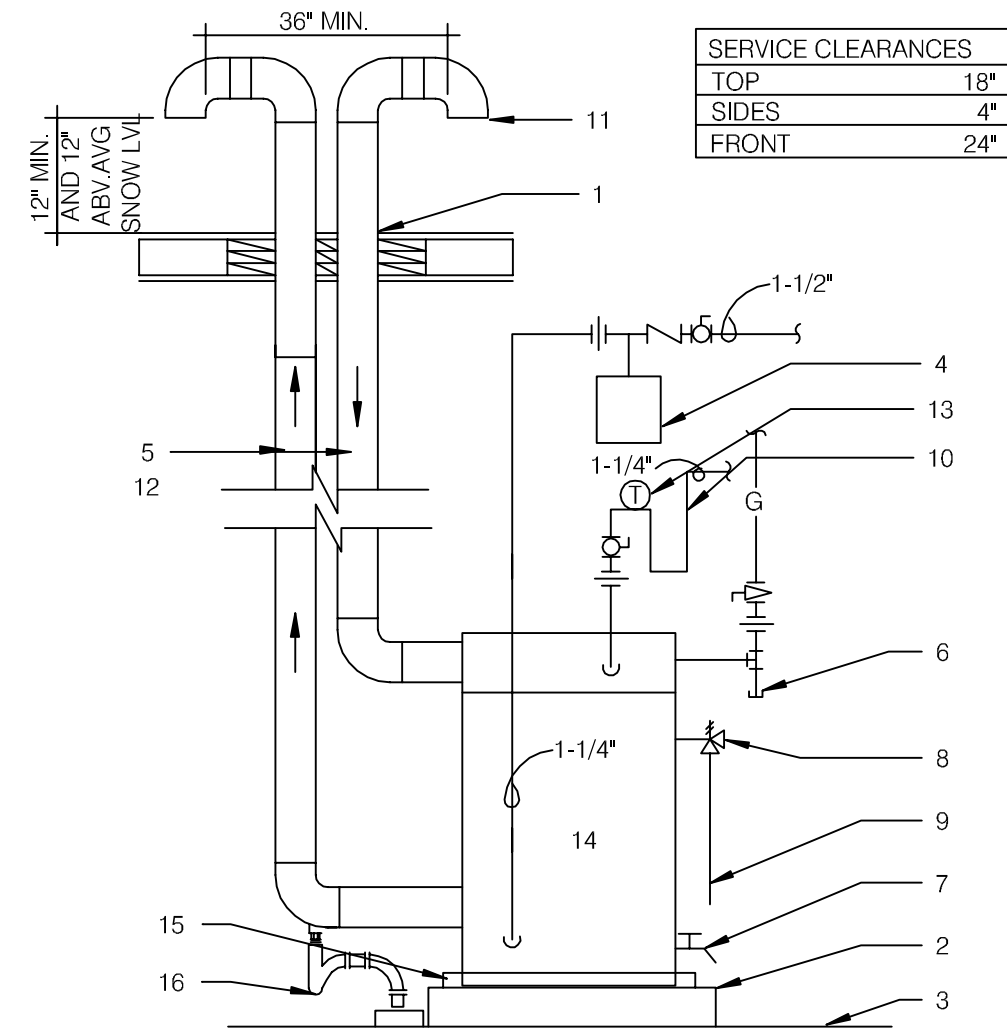


**PLUMBING RISER DIAGRAMS**

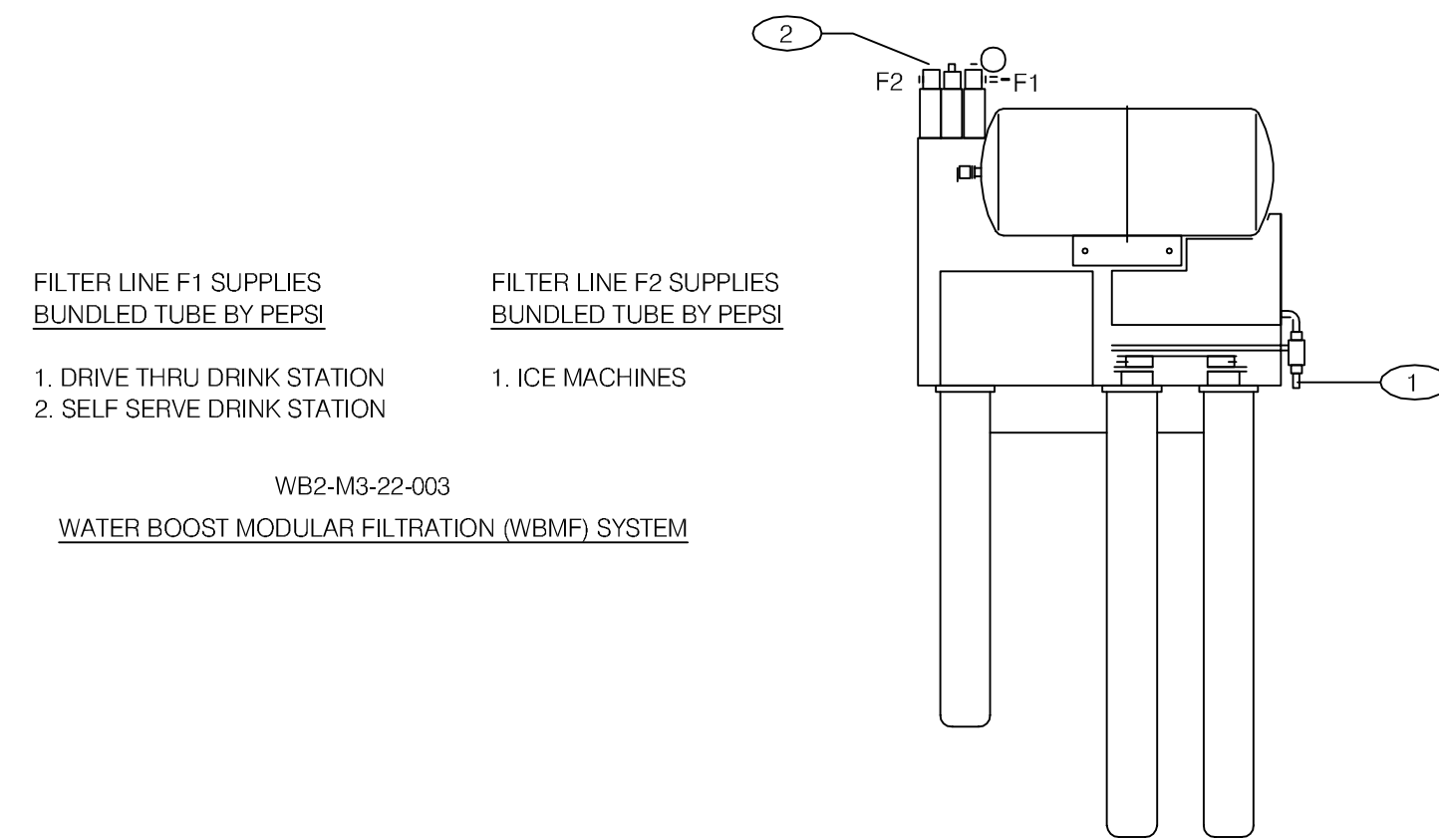
**P4.0**

RO SET ISSUED: 10.25.22

- 1 FLUE THRU ROOF
- 2 4" CONCRETE PAD
- 3 FINISHED FLOOR
- 4 THERMAL EXPANSION TANK BY WATTS - SEE PLUMBING SCHEDULE - STRAP AND SUPPORT TO WALL
- 5 SCHEDULE 40 PVC, MINIMIZE TURNS AND TRANSITIONS.
- 6 GAS COCK VALVE WITH FULL SIZE DIRT LEG
- 7 3/4" DRAIN WITH VALVE & CAP
- 8 COMBINATION TEMPERATURE AND PRESSURE RELIEF PER LOCAL CODE
- 9 RUN T&P DISCHARGE FULL SIZE TO HUB DRAIN
- 10 22" DEEP HEAT TRAP
- 11 AIR INTAKE W/ INTERNAL INSECT SCREEN PROVIDED BY MFR.
- 12 SUPPORT VENT PIPE RUNS EVERY 9'-0" VERTICALLY AND EVERY 3'-0" HORIZONTALLY.
- 13 OUTLET THERMOMETER PROVIDED BY MFR. LOCATE WITHIN 12" OF W.H. OUTLET.
- 14 SEE DETAIL 2/P6.1 FOR SCHEDULE OF ITEMS PROVIDED BY W.H. MFR.
- 15 DRAIN PAN TO HUB DRAIN.
- 16 P-TRAP AND LINE TO DRAIN PROVIDED BY MANUFACTURER. LEAVE AIR GAP BETWEEN BOTTOM OF TRAP AND DRAIN. SEE DETAIL 4/P2.0



**WATER HEATER DETAIL** N.T.S. **D**



FILTER LINE F1 SUPPLIES BUNDLED TUBE BY PEPSI  
 FILTER LINE F2 SUPPLIES BUNDLED TUBE BY PEPSI

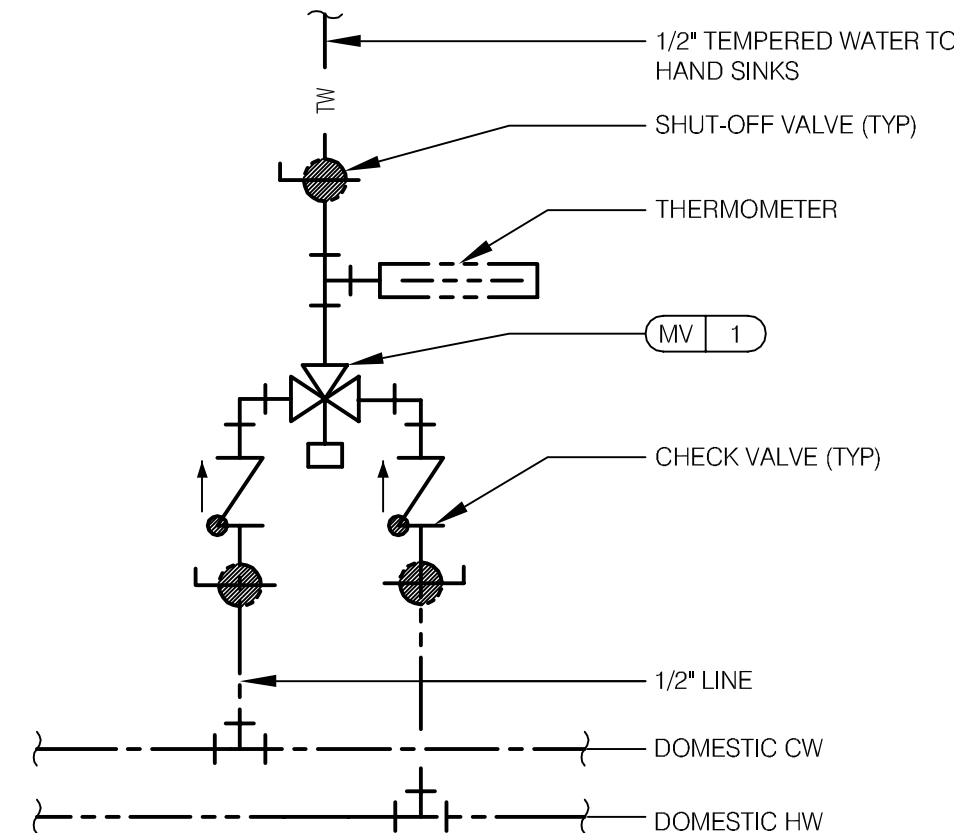
1. DRIVE THRU DRINK STATION  
 2. SELF SERVE DRINK STATION

WB2-M3-22-003  
 WATER BOOST MODULAR FILTRATION (WBMF) SYSTEM

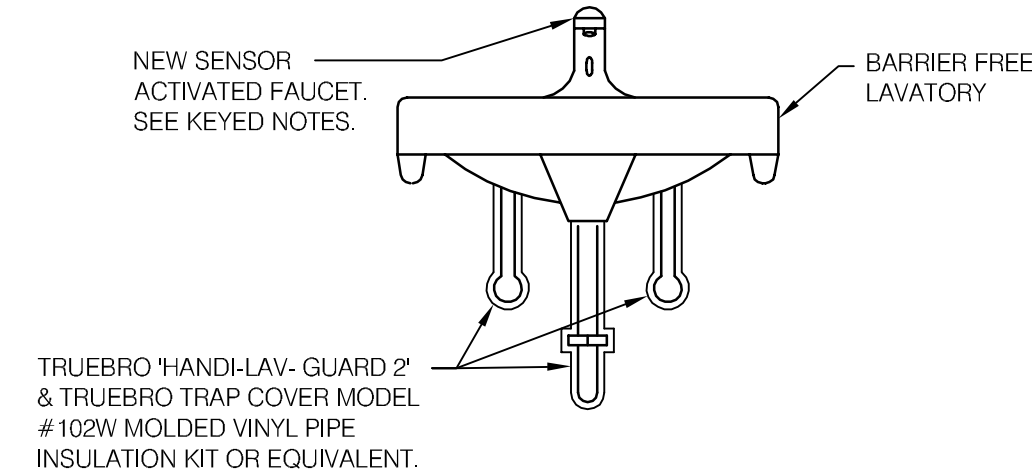
- KEY NOTES:**
- 1 3/4" COLD WATER INLET TO 1/2" COPPER LINE AND FITTINGS AT FILTER.
  - 2 3/4" OUTLET W/ INTEGRAL BACKFLOW PREVENTER, EQUAL TO WATTS REGULATOR CO. SERIES 007 AND SERVICE BALL VALVE.

- GENERAL NOTES :**
1. OVERALL DIMENSIONS 21" WIDE x 12" DEEP x 48 1/2" HIGH
  2. SEE SCOPE OF WORK FOR ADDITIONAL INFORMATION.
  3. INSTALLATION SHALL COMPLY WITH STATE AND LOCAL PLUMBING CODES
  4. THE UNIT SHALL BE PROTECTED AGAINST FREEZING.
  5. USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS. NO PIPE DOPE.
  6. DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
  7. SEE SHEET A2.0 FOR LOCATION.

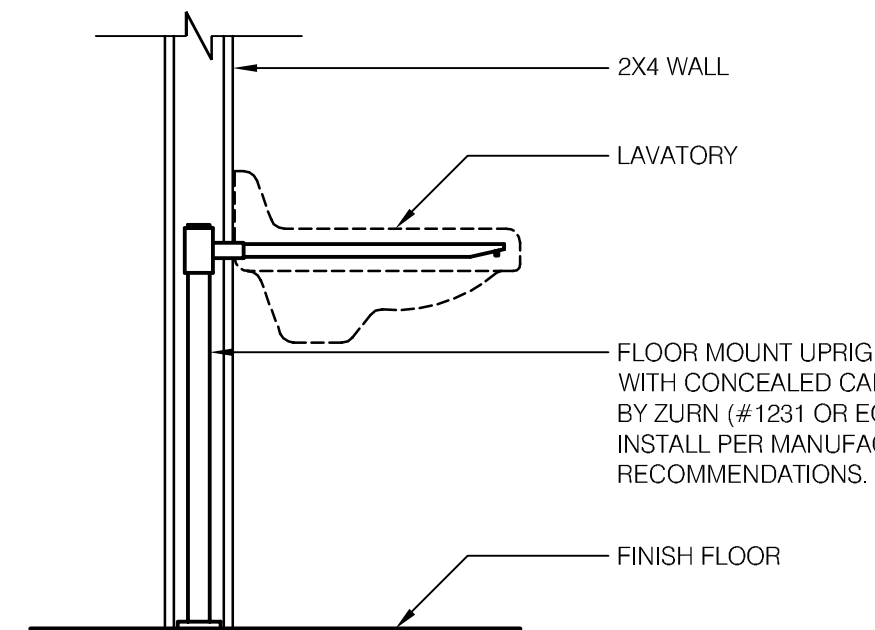
**WATER FILTER DETAIL** N.T.S. **E**



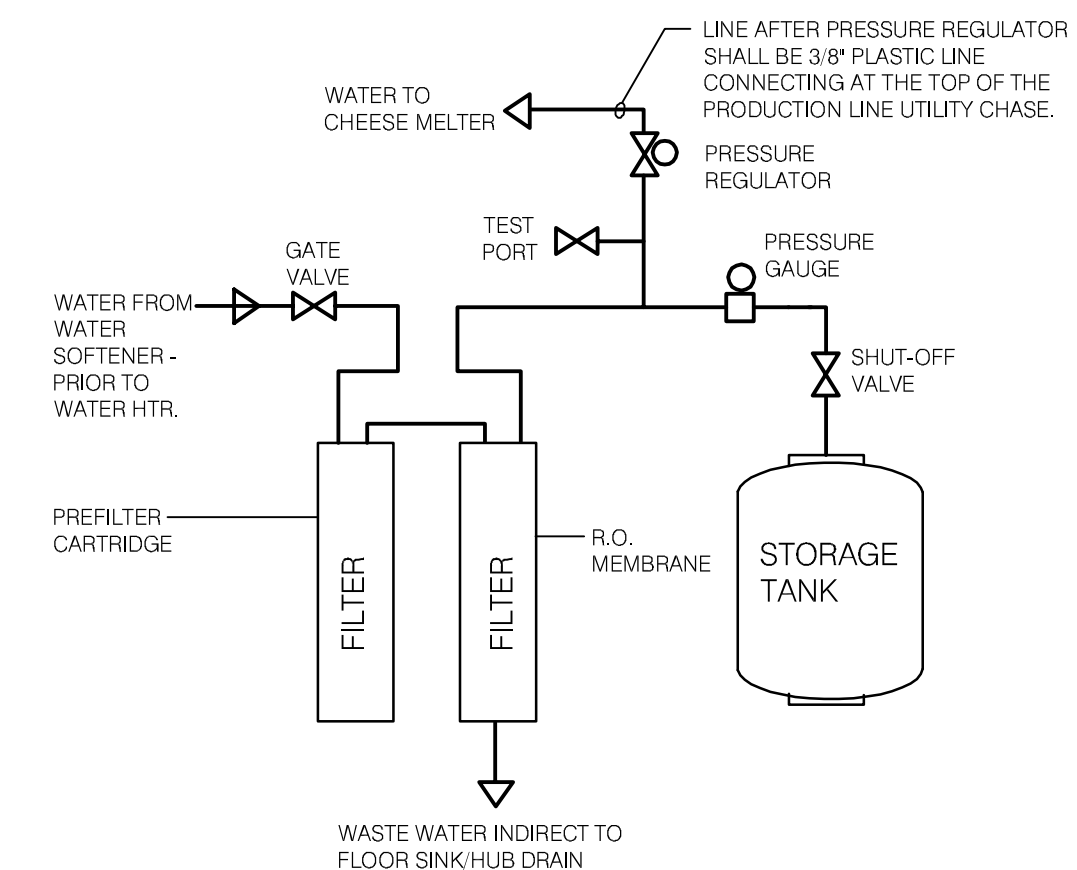
**TEMPERING VALVE** N.T.S. **G**



**BAR. FREE LAV. PIPE SHROUD** N.T.S. **F**



**LAVATORY SUPPORT** N.T.S. **C**



**REVERSE OSMOSIS SYSTEM** N.T.S. **B**

ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMPD WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
FS 1	FLOOR SINK	3"	1 1/2"	--	--	--	6	--	PVC 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM OR PVC DOME STRAINER AND LOOSE SET PVC SLOTTED TOP GRATE. SET FLOOR SINK LIP FLUSH WITH FLOOR TILE.	JOSAM / MODEL: JFPS4-PVC ZURN / MODEL: FD-2370-PV4-DS-F
FS 2	FLOOR SINK	3"	1 1/2"	--	--	--	6	--	CAST IRON 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM DOME STRAINER AND NICKEL BRONZE HINGED TOP.	JOSAM / MODEL: 49034AS WADE / MODEL: 9144 ZURN / MODEL: Z-1900-32
FD 1	FLOOR DRAIN	3"	1 1/2"	--	--	--	2	--	PVC FLOOR DRAIN, 5" DIA. IF PVC OR ABS DRAINS ARE USED, SCHEDULE 80 PVC DRAIN PIPE SHALL BE USED FOR THE FIRST 10'-0" FROM THE DRAIN.	ZURN / MODEL: FD-2210 JOSAM / MODEL: 30003-A WADE / MODEL: 1103
HD 1	HUB DRAIN	3"	1 1/2"	--	--	--	2	--	CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED CLEANOUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF ZURN / MODEL: Z-1019
FCO 1	FLOOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
WCO 1	WALL CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS PLUG, WITH STAINLESS STEEL ACCESS COVER.	JOSAM / MODEL: 58510 WADE / MODEL: 8560E ZURN / MODEL: Z-1446-BP
WC 1	WATER CLOSET	4"	2"	1/2"	--	--	4	2	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK (PRESSURE ASSISTED) TYPE, ELONGATED BOWL, ADA COMPLIANT, 1.1 GPF, WITH OPEN FRONT SEAT LESS COVER, OLSONITE #95 OR EQUIVALENT. FLUSHOMETER TANK: SLOAN FLUSHMATE OR EQUAL. PROVIDE TANK COVER LOCKS. FLUSH VALVES SHALL BE RIGHT HAND OR LEFT HAND AS REQUIRED TO CORRESPOND WITH ACCESS FROM WIDE SIDE OF STALL. VERIFY FLUSH SIDE REQUIREMENTS.	AM. STD. FAUCET / MODEL: 2487-100 A.S. COMRADE / MODEL: 0124 131
L 1	LAVATORY	1-1/4"	1-1/2"	1/2"	--	1/2"	1	1.5	WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, 4" CENTERS, WITH INTEGRAL BACKSPASH, ADA ACCESSIBLE. FLAT GRID STRAINER. FAUCET: FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR. SINGLE LEVER TYPE FAUCET WITH WRIST BLADE HANDLES AND CERAMIC CARTRIDGE, ADA COMPLIANT. SEE C/P5.0 FOR LAV SUPPORT DETAIL.	A.S. COMRADE / MODEL: 0124 131 T&S BRASS FAUCET: B2460 (NO SUBSTITUTION)
S 1	HAND SINK	1-1/2"	1-1/2"	1/2"	--	1/2"	2	1.5	S-1: STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS FAUCET W/SINGLE KNEE PEDAL. BRAIDED WATER LINES, 0.5 GPM AERATOR.	--
S 2	MOP SINK	3"	2"	1/2"	1/2"	--	3	2.25	MOP SINK: AERO - 3MP-2121-6 W/ 48" HIGH S.S. LEFT SIDE AND BACK-SPASH. FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. FAUCET: T&S #B2465, WITH VACUUM BREAKER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.	--
S 3	3-COMP. SINK	INDIRECT	--	1/2"	1/2"	--	--	3	SINK, FAUCET & DRAIN, GEN IV POWER SOAK STANDARD, GEN III IS AN OPTION FOR FRANCHISES	--
S 4	PREP SINK	INDIRECT	--	1/2"	1/2"	--	--	3	SINK, FAUCET AND DRAIN	--
MV 1	MIXING VALVE	--	--	1/2"	1/2"	--	--	--	THERMOSTATIC, 125 P516, 200VF BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SIZE PER PIPE CONNECTIONS.	POWERS SERIES LFLM495 LAWLER SERIES 310 LEONARD SERIES 170
WH 1	WATER HEATER	--	--	1-1/4"	1-1/4"	--	--	--	GAS FIRED WATER HEATER, 95% THERMAL EFF., 120,000 BTUH INPUT, 60 GAL. STORAGE TANK, 138 GPH @ 100 DEG. RISE REC. RATE, 3" PVC FLUE & INTAKE, ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE, ELECTRONIC IGNITION SYSTEM AND ELECTRONIC CONTROLS. Call 800-477-1953 Option #1 for National Account Price & Service	AO SMITH / CYCLONE MKI BTH-120 STATE / SUF 100 120 NE --
ET 1	EXPANSION TANK	--	--	3/4"	--	--	--	--	EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160" F, 12 GALLON CAPACITY.	WATTS SERIES DETA AMTROL SERIES ST WILKINS SERIES WXTF
BFP 1	BACKFLOW PREVENTOR	--	--	VERIFY	--	--	--	1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WATTS / MODEL: LF009M2QTS WILKINS / MODEL: 975XLS FEBCO / MODEL: 860
RO 1	REVERSE OSMOSIS	INDIRECT	--	1/2"	--	--	--	--	REVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0	--

**PLUMBING FIXTURE SCHEDULE** **A**

**ARCVISION**  
 INCORPORATED  
 ARCHITECTURE ENGINEERING STORE PLANNING  
 SAINT LOUIS / DALLAS / LAS VEGAS / ORLANDO  
 1950 CRAIG ROAD, SUITE 300 ST. LOUIS, MO 63146  
 PH. (314) 415-2400 FAX (314) 415-2300 www.arcv.com



2/8/23

02.08.23 CITY COMMENTS

CONTRACT DATE:  
 BUILDING TYPE: M70HD  
 PLAN VERSION: MAJOR  
 BRAND DESIGNER: FRANK WANCHE  
 SITE NUMBER: 17105  
 ARCVISION NUMBER: 200361

**TACO BELL**  
 28993 FORD ROAD  
 GARDEN CITY, MI 48135

**TACO BELL**  
 MAJOR REMODEL

**SCHEDULES AND DETAILS**

**P5.0**

R0 SET ISSUED: 10.25.22