

<u>ZONING</u> <u>DEPARTMENT:</u>	CITY OF OCOEE PLANNING & ZONING DIVISION 1 NORTH BLUFORD AVENUE OCOE, FL 34761 P: 407.905.3157	<u>BUILDING</u> <u>DEPARTMENT:</u>	CITY OF OCOEE BUILDING DIVISION 1 NORTH BLUFORD AVENUE OCOE, FL 34761 P: 407.905.3104 E: BLDGDEPT@OCOE.ORG	<u>HEALTH</u> <u>DEPARTMENT:</u>	FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION (DBPR) DIVISION OF HOTELS AND RESTAURANTS 2601 BLAIR STONE ROAD TALLAHASSEE, FL 32399 P: 850.487.1395
<u>FIRE</u> <u>DEPARTMENT:</u>	CITY OF OCOEE FIRE DEPARTMENT 563 S. BLUFORD AVE. OCOE, FL 34761 CONTACT: TOM SMOTHERS E: TSMOTHERS@OCOE.ORG P: 407.905.3140	<u>WATER</u> <u>UTILITY:</u>	OCOE 1800 A.D. MIMS ROAD OCOE, FL 34761 CONTACT: JESSE CONKLIN E: OCOEWATER@OCOE.ORG P: 407.905.3191	<u>SEWER</u> <u>UTILITY:</u>	OCOE 1800 A.D. MIMS ROAD OCOE, FL 34761 CONTACT: JESSE CONKLIN E: OCOEWATER@OCOE.ORG P: 407.905.3191
<u>NATURAL</u> <u>GAS UTILITY:</u>	LAKE APOPOKA NATURAL GAS 676 W MONTROSE CLERMONT, FL 34711 CONTACT: EVERETT HOLMES E: MCOLON@LANGD.ORG P: 352.394.3480	<u>ELECTRICAL</u> <u>UTILITY:</u>	DUKE ENERGY P.O. BOX 1004 CHARLOTTE, NC 28201 P: 800.228.8485	<u>TELEPHONE</u> <u>UTILITY:</u>	SPECTRUM P: 1.833.267.6094

<u>LANDLORD:</u>	KONOVER SOUTH 431 FAIRWAY DRIVE, DEERFIELD, FL 33441 CONTACT: PATRICK CHRISTIE E: PCHRISTIE@KONOVERSOUTH.COM P: 954.354.8282	<u>TENANT:</u>	CHIPOTLE MEXICAN GRILL PO BOX 182566 COLUMBUS, OH 43218-2566 CONTACT: HEATHER CONLEY E: HEATHER.CONLEY@CHIPOTLE.COM P: 380.222.7428	<u>ARCHITECT:</u>	RED ARCHITECTURE 589 W NATIONWIDE BLVD, SUITE B COLUMBUS, OHIO 43215 CONTACT: CURTIS SHANER E: CSHANER@REDARCHITECTURE.COM P: 614.687.8770
<u>MECHANICAL ELECTRICAL PLUMBING ENGINEER:</u>	NATIONAL ENGINEERING 4635 TRUEMAN BLVD SUITE 250 HILLIARD, OH 43026 CONTACT: CLIFF KIGAR E: CKIGAR@NATIONALENGINEERING.COM P: 614.751.9610	<u>STRUCTURAL ENGINEER:</u>	JEZERINAC GEERS & ASSOCIATES 5640 FRANTZ ROAD DUBLIN, OH 43017 CONTACT: ANDY HEIGLEY E: AHEIGLEY@GAENG.COM P: 614.766.0066 F: 614.481.1223		

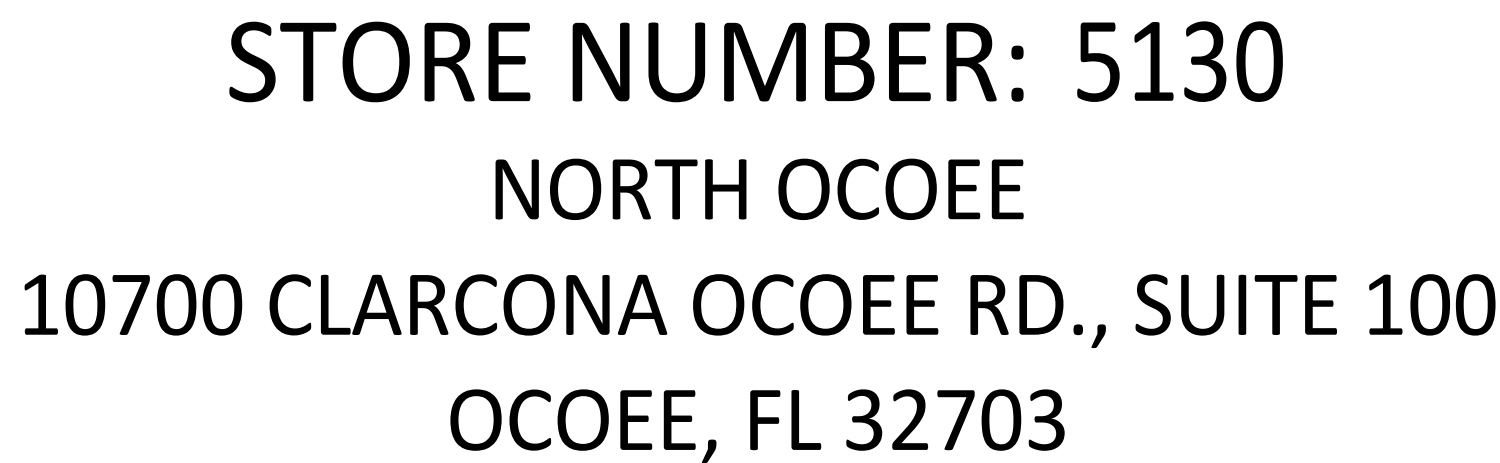
NOTE TO GC:
 FOR ALL WATER,
 SEWER, NATURAL
 GAS, & ELECTRICITY
 UTILITIES CONTACT:

HDGROUP, INC.
 295 LUNA LN.
 ERIE, CO 80516
 CONTACT: KRISTI RHODES
 E: KRHODES@HDSGROUPINC.COM
 P: 972.396.8409
 F: 214.291.5597

ADVERTISING CONCEPTS
3725 CANAL DRIVE
FORT COLLINS, CO 80524
CONTACT: JULIA BARRETT
E: JBARRETT@ADCON-SIGNS.COM
P: 970.484.3637
F: 970.484.3639

	EXTERIOR ELEVATION MARKER		COLUMN GRID LABEL		KITCHEN EQUIPMENT NUMBER
	INTERIOR ELEVATION MARKER	Room name 	ROOM NAME & NUMBER		WASHROOM ACCESSORIES NUMBER
	SECTION MARKER		REVISION NUMBER		WALL TAG
	SECTION / DETAIL		DOOR NUMBER		LEVEL TARGET
	View Name View Scale		MISCELLANEOUS EQUIPMENT NUMBER		NORTH ARROW
	VIEW LABEL		FURNITURE NUMBER		DIMENSION TARGET
					FINISH TAG

CL	CENTER LINE	FRP	FIBERGLASS REINFORCED PANEL	OC	ON CENTER	TLS	TENANT'S LIGHT/LAMP SUPPLIER
(E)	EXISTING CONSTRUCTION	FRT	FIRE RETARDANT-TREATED	OSB	ORIENTED STRAND BOARD	TMB	TENANT'S MENU BOARD SUPPLIER
(N)	NEW CONSTRUCTION					TMS	TENANT'S MILLWORK SUPPLIER
@	AT	GA	GAUGE	POS	POINT OF SALE	TP	TENANT'S PHONE SUPPLIER
Ø	DIAMETER OR ROUND	GALV	GALVANIZED	PREP	PREPARATION	TPS	TENANT PANELBOARD SUPPLIER
		GC	GENERAL CONTRACTOR	PVC	POLYVINYL CHLORIDE	TRS	TENANT'S RAILING SUPPLIER
		GYP	GYPSUM	QT	QUARRY TILE	TS	TENANT'S SAFE SUPPLIER
AFF	ABOVE FINISH FLOOR			R	RADIUS	TSS	TENANT'S SMART SAFE SUPPLIER
ALUM	ALUMINUM	HES	TENANT'S HVAC EQUIPMENT SUPPLIER	RTU	ROOF TOP UNITS	TSV	TENANT'S SIGN VENDOR
ARCH	ARCHITECT(URAL)	HS	HOOD SUPPLIER	SPS	SODA POP SUPPLIER	TUV	TENANT'S UV SUPPLIER
ASS	ALARM SYSTEM SUPPLIER	HVAC	HEATING AND VENTILATING	SS	SUPPORT SIGNAGE	TYP	TYPICAL
		ICP	INITIAL COST PROJECTION	STR	STRUCTURE		
BD	BOARD	IFP	IN FOR PERMIT			U.N.O.	UNLESS NOTED OTHERWISE
BLDG	BUILDING	INT	INTERIOR	T	TENANT	UPS	UNINTERRUPTED POWER SUPPLY
CMU	CONCRETE MASONRY UNIT	KES	KITCHEN EQUIPMENT SUPPLIER	TAB	TENANT'S TEST & BALANCE VENDOR		
CO2	CO2 SUPPLIER			TBD	TO BE DETERMINED, SEE FIELD REFERENCE MANUAL	VAR	VARIES
CO2AS	CO2 ALARM SUPPLIER			TCC	TENANT'S CABLING CONTRACTOR	VIF	VERIFY IN FIELD
CS	CHEMICAL SUPPLIER	MAX	MAXIMUM	TDC	TENANT'S DUCT CLEANER	W/	WITH
		MECH	MECHANICAL	TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER	WA	WASHROOM ACCESSORIES
DIM	DIMENSION(S)	MFR	MANUFACTURER	THS	TENANT'S HARDWARE SUPPLIER	WCS	TENANT'S WALK-IN COOLER SUPPLIER
EA	EACH	MIN	MINIMUM			WHS	WATER HEATER SUPPLIER
EL	ELEVATION (VERTICAL HEIGHT)	MISC	MISCELLANEOUS			WS	TENANT'S WINDOW SHADE SUPPLIER
ELEC	ELECTRIC(AL)	MSS	MUSIC SYSTEMS SUPPLIER				
ELEV	ELEVATION						
EQ	EQUAL						
EXT	EXTERIOR	N.I.C.	NOT IN CONTRACT				
		NO	NUMBER				
FC	FOR CONSTRUCTION						



TENANT INTERIOR AND EXTERIOR ALTERATION TO AN EXISTING MULTI-TENANT SHELL BUILDING

<u>GROUP</u>	<u>TENANT</u>	<u>USE</u>
PROPOSED USE:	CHIPOTLE MEXICAN GRILL	A-2

 VICINITY MAP
N.T.S.

2ND AVE.

AREA OF WORK

ADJACENT TENANTS (N.I.C.)

CLARCONA OCOEE RD.

KEY SITE PLAN

1" = 60'-0"

TRUE PLAN

<u>ROOFING</u> <u>SUBCONTRACTOR</u>	R/I GROUP 4244 JACSON ST PORT ORANGE, FL 32127 CONTACT: SHAUN JOHNSON E: SHAUN.JOHNSON@R-JGROUP.COM
<u>FIRE SPRINKLER</u> <u>SUBCONTRACTOR</u>	CENTURY FIRE PROTECTION 2701 GATEWAY DR. POMPANO BEACH, FL 33069 CONTACT: SCOTT RIDLEY E:SCOTT.RIDLEY@CENTURYFP.COM
<u>FIRE ALARM</u> <u>SUBCONTRACTOR</u>	BOYS ELECTRIC 7558 SOUTHLAND BLVD, STE. 100 ORLANDO, FL 32809 CONTACT: MAT MERKEL E: MMERKEL@BOYSELECTRICAL.COM

SHEET NO.	SHEET NAME	REVISION															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
GENERAL																	
G000	COVER SHEET																
G001	PROJECT DATA & LIFE SAFETY PLAN																
G002	ACCESSIBILITY REQUIREMENTS																
G010	ARCHITECTURAL SPECIFICATIONS																
G011	ARCHITECTURAL SPECIFICATIONS																
G012	ARCHITECTURAL SPECIFICATIONS																
G013	ARCHITECTURAL SPECIFICATIONS																
G014	ARCHITECTURAL SPECIFICATIONS																
G015	ARCHITECTURAL SPECIFICATIONS																
G016	ARCHITECTURAL SPECIFICATIONS																
G017	ARCHITECTURAL SPECIFICATIONS																
SITE PLAN																	
SP100	ARCHITECTURAL SITE PLAN																
SP101	ARCHITECTURAL SITE DETAILS																
ARCHITECTURAL																	
A100	DEMISED PREMISES PLAN																
A101	SLAB WORK PLAN																
A110	ARCHITECTURAL FLOOR PLAN																
A111	ARCHITECTURAL FLOOR PLAN - DIM.																
A120	FINISH PLAN																
A130	FF&E PLAN																
A131	EQUIPMENT SCHEDULE																
A132	EQUIP. & FURNITURE SCHEDULE																
A140	ARCHITECTURAL ROOF PLAN																
A201	REFLECTED CEILING PLAN					•											
A202	REFLECTED CEILING & UNISTRUT PLAN																
A210	CEILING DETAILS					•											
A211	LIGHTING DETAILS																
A301	EXTERIOR ELEVATIONS																
A501	ARCHITECTURAL WALL TYPES					•											
A502	INTERIOR SECTIONS																
A601	DOOR & HARDWARE SCHEDULE																
A701	ELEVATIONS - INTERIOR DINING																
A702	ELEVATIONS - INTERIOR KITCHEN																
A710	RESTROOM DETAILS																
A801	FINISH DETAILS																
A802	TILE DETAILS																
A900	INTERIOR PERSPECTIVES																
STRUCTURAL																	
S100	FOUNDATION PLAN																
S105	ROOF FRAMING PLAN																
S300	FOUNDATION DETAILS																
FIRE PROTECTION																	
F100	FIRE PROTECTION PLAN																
HVAC																	
M010	HVAC SPECIFICATIONS																
M100	HVAC PLAN																
M600	HVAC SCHEDULES																
M700	HVAC DETAILS																
PLUMBING																	
P010	PLUMBING SPECIFICATIONS																
P100	PLUMBING PLAN WATER & GAS		•	•													
P110	PLUMBING PLAN WASTE & VENT			•													

Consultant:



Red/Architecture

589 W. NATIONWIDE BLVD. SUITE 100
COLUMBUS, OHIO 43215 (614) 487-8770

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OCOEE, FL 32703

Issue Record

03/20/2024 PERMIT SET

06/05/2024 BID SET

Revisions:

04/30/2024

06/05/2024 LANDLORD COMMENTS

Drawn

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IOM CS, D

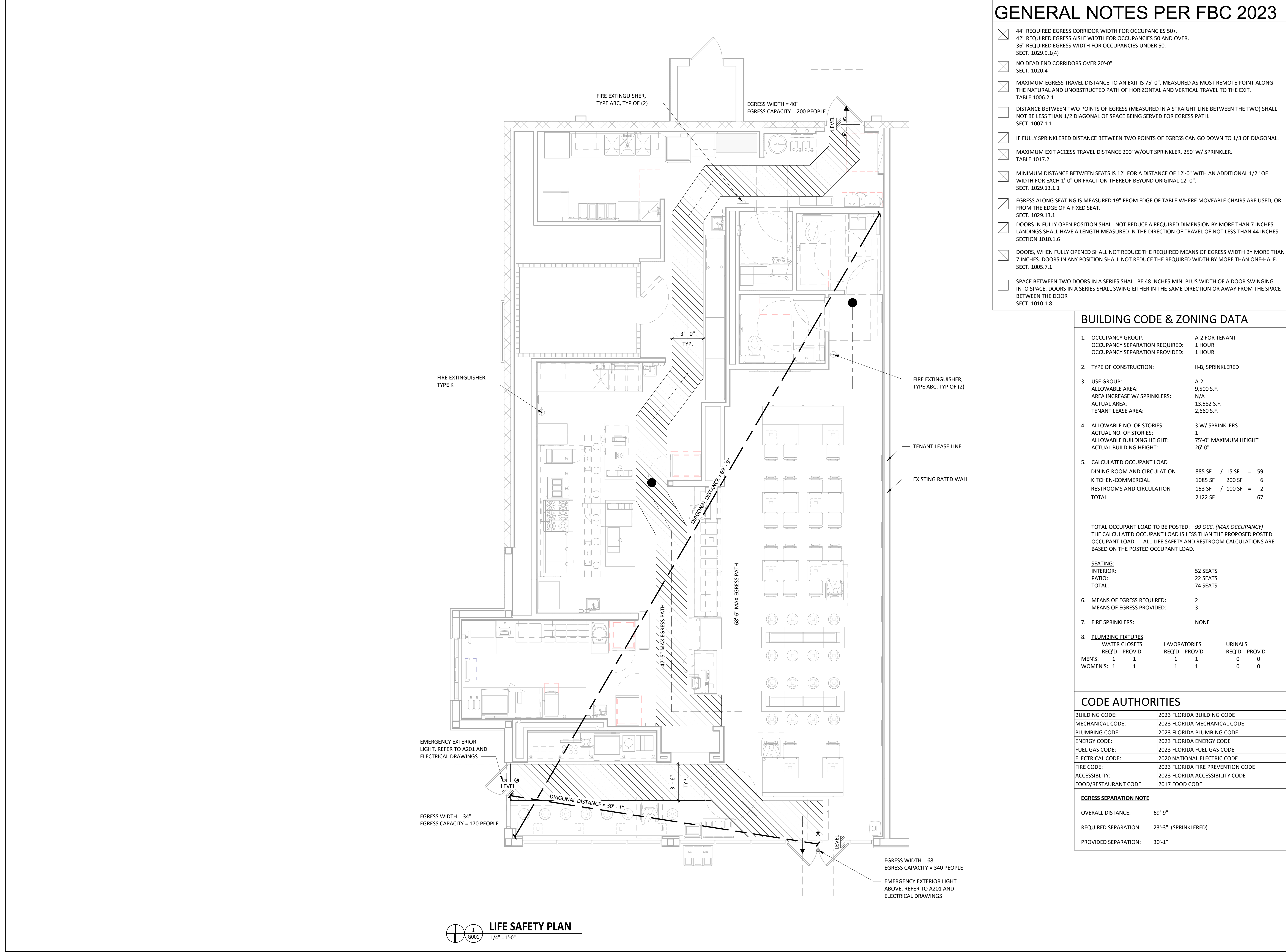
Project No.

CMG1187

Contents

COVER SHEET

G000



Consultant:

R/A

RedArchitecture

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Contents:

PROJECT DATA & LIFE
SAFETY PLAN

G001

A.D.A. INTERIOR ACCESSIBILITY COMPONENTS

THIS TENANT SPACE IS REQUIRED TO BE ACCESSIBLE AS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT OF 1994 AND ITS REVISED 2010 STANDARDS FOR ACCESSIBLE DESIGN. MAINTAIN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE ACT AND ITS ACCESSIBILITY GUIDELINES (A.D.A.), (A.D.A.A.G.).

TABLEWARE AREAS

1. FOOD SERVICE LINES SHALL HAVE A MINIMUM CLEAR WIDTH OF 36" WITH TRAY SLIDES MOUNTED NO HIGHER THAN 34" ABOVE THE FLOOR. IF SELF-SERVICE SHELVES ARE PROVIDED, AT LEAST 50% OF EACH TYPE MUST BE WITHIN REACH RANGES SPECIFIED IN SECTION 308.

2. SELF-SERVICE SHELVES AND DISPENSING DEVICES FOR DISHWARE, CONDIMENTS, FOOD AND BEVERAGES SHALL BE INSTALLED TO COMPLY WITH SECTION 308.

FOOD SERVICE LINES

STAIRS

1. ACCESSIBLE STAIRS SHALL COMPLY WITH SECTION 504.

2. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS TREAD DEPTHS ALONG EACH RUN. RISERS SHALL BE 4" HIGH MIN. AND UNIFORM AND 7" HIGH MAX. TREAD SHALL BE 11" DEEP MIN.

3. THE CLEAR SPACE BETWEEN HANDRAILS AND WALL SHALL BE 1-1/2" MIN. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOP AND SIDES. THE TOP OF HANDRAIL GRIPPING SURFACES SHALL BE INSTALLED BETWEEN 34" AND 38" ABOVE STAIR NOSINGS.

PLAN
EXTENSION AT BOTTOM OF RUN
EXTENSION AT TOP OF RUN

NOTE:
X IS THE MINIMUM HANDRAIL EXTENSION REQUIRED AT EACH TOP RISER. X = 12" MIN. Y IS THE MINIMUM HANDRAIL EXTENSION REQUIRED AT EACH BOTTOM RISER. Y IS EQUAL TO OR GREATER THAN THE TREAD DEPTH.

RESTROOMS

1. ELEMENTS OF ACCESSIBLE RESTROOMS SHALL COMPLY WITH SECTIONS 603, 604, 605, 606, 607, 608, 609 & 610.

2. ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL-HUNG AT A MAXIMUM OF 17" ABOVE FINISH FLOOR. URINALS SHALL HAVE A 30" x 48" CLEAR FLOOR SPACE TO ALLOW A FRONT APPROACH AND THE FLUSH CONTROLS SHALL BE HAND-OPERATED WITH THE CONTROLS INSTALLED ACCORDING TO SECTION 308.

3. HOT WATER LINES AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

4. IF HAND OPERATED METERING FAUCETS ARE USED, THE FAUCET SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

5. THE SPACE BETWEEN ANY OBSTRUCTION AND THE GRAB BAR SHALL BE 1-1/2". THE GRAB BAR ASSEMBLY SHALL BE CAPABLE OF WITHSTANDING BENDING STRESSES, SHEAR STRESSES, SHEAR FORCES, AND TENSILE FORCES OF UP TO 250 LBF. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

6. MOUNTING HEIGHTS TO OPERATING CONTROLS FOR RESTROOM ACCESSORIES NOT SPECIFICALLY CALLED OUT IN THE A.D.A. SHALL COMPLY WITH THE REACH RANGES SPECIFIED IN SECTION 308.

7. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS SHALL COMPLY WITH 309 AND BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET

CLEAR FLOOR SPACE AT WATER CLOSETS
GRAB BARS AT WATER CLOSETS
TOILET STALLS
STANDARD STALL
STANDARD STALL (END OF ROW)
CLEAR FLOOR SPACE AT LAVATORIES
LAVATORY CLEARANCE
DRINKING FOUNTAINS AND WATER COOLERS

DOORS

1. ACCESSIBLE DOORS SHALL COMPLY WITH SECTION 404.

2. THRESHOLD, IF PROVIDED AT DOORWAYS, SHALL BE 1/2" HIGH MAXIMUM. EXISTING OR ALTERED THRESHOLDS 3/4" HIGH MAXIMUM THAT HAVE A BEVELED EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER THAN 1:2 ARE ALSO PERMITTED.

3. DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

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

5. ACCESSIBLE DOORS THAT ARE NOT FIRE DOORS OR EXTERIOR HINGED DOORS SHALL HAVE A MAXIMUM FORCE FOR PUSHING OR PULLING THE DOOR OPEN OF 5 LBF. THIS FORCE DOES NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD A DOOR IN A CLOSED POSITION.

CLEAR DOORWAY WIDTH
FRONT APPROACHES - SWINGING DOORS
HINGE SIDE APPROACHES - SWINGING DOORS
LATCH SIDE APPROACHES - SWINGING DOORS
TWO HINGED DOORS IN SERIES

PATH OF TRAVEL

1. ALL WALKS, HALLS, CORRIDORS, AISLES, SKYWALKS, TUNNELS, AND OTHER SPACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH SECTION 402 AND ANY OTHER APPLICABLE SECTION OF CH. 4.

2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS.

3. AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 1:20 IS A RAMP AND SHALL COMPLY WITH 405. NOWHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:48.

MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR
60-IN DIAMETER SPACE
T-SHAPED SPACE FOR 180° TURNS
VERTICAL CHANGES IN LEVEL
CHANGES IN LEVEL
TURN AROUND AN OBSTRUCTION
WALKING PARALLEL TO A WALL

RAMP

1. ACCESSIBLE RAMPS SHALL COMPLY WITH SECTION 405.

2. IF A RAMP HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72", THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ADJACENT TO ASSEMBLY SEATING AREAS. CLEAR SPACE BETWEEN A HANDRAIL AND AN ADJACENT WALL SHALL BE 1-1/2" MIN.

3. THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:48.

4. EXISTING RAMP'S SLOPE SHALL COMPLY WITH SECTION 405.2. FOR A RAMP NOT RISING MORE THAN 3" THE MAXIMUM SLOPE CAN BE 1:8>X>1:10. FOR A RAMP RISING GREATER THAN 3" BUT NOT MORE THAN 6" THE MAXIMUM SLOPE CAN BE 1:10>X>1:12.

COMPONENTS OF A SINGLE RAMP RUN AND SAMPLE RAMP DIMENSIONS

CONTROLS

1. CONTROLS & OPERATING MECHANISMS SHALL COMPLY WITH SECTION 309.

2. ALL CONTROLS & OPERATING MECHANISMS WHICH ARE INTENDED FOR NORMAL USE BY BUILDING OCCUPANTS SHALL BE PROVIDED WITH A D.A.-COMPLIANT CLEAR FLOOR SPACES & SHALL COMPLY WITH REACH RANGES IN SECTION 308.

3. REACH RANGES FOR CHILDREN UNDER AGES 12 SHALL COMPLY WITH SECTION 308.1.

CLEAR FLOOR SPACE PARALLEL APPROACH
OBSTRUCTED HIGH SIDE REACH
UNOBSTRUCTED SIDE REACH
CLEAR FLOOR SPACE FORWARD APPROACH
UNOBSTRUCTED SIDE REACH
OBSTRUCTED HIGH SIDE REACH

SIGNAGE

1. ACCESSIBLE SIGNAGE SHALL COMPLY WITH SECTION 703.

2. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.

3. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. CHARACTER HEIGHT SHALL BE MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" MIN. AND 2" MAX. BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I"

4. LETTERS AND NUMERALS SHALL BE RAISED 1/32", UPPER-CASE SANS SERIF TYPE, AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT. BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.

5. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND - EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

6. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT SIDE OF THE RIGHT HAND DOOR WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS. SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN. BY 18" MIN, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED DOOR AND THE 45 DEGREE OPEN POSITION.

INTERNATIONAL SYMBOL OF ACCESSIBILITY
DISPLAY CONDITIONS - INTERNATIONAL SYMBOL OF ACCESSIBILITY

TABLEWARE AREAS

1. FOOD SERVICE LINES SHALL HAVE A MINIMUM CLEAR WIDTH OF 36" WITH TRAY SLIDES MOUNTED NO HIGHER THAN 34" ABOVE THE FLOOR. IF SELF-SERVICE SHELVES ARE PROVIDED, AT LEAST 50% OF EACH TYPE MUST BE WITHIN REACH RANGES SPECIFIED IN SECTION 308.

2. SELF-SERVICE SHELVES AND DISPENSING DEVICES FOR DISHWARE, CONDIMENTS, FOOD AND BEVERAGES SHALL BE INSTALLED TO COMPLY WITH SECTION 308.

FOOD SERVICE LINES

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EXTENSION AT TOP OF RUN

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5. THE SPACE BETWEEN ANY OBSTRUCTION AND THE GRAB BAR SHALL BE 1-1/2". THE GRAB BAR ASSEMBLY SHALL BE CAPABLE OF WITHSTANDING BENDING STRESSES, SHEAR STRESSES, SHEAR FORCES, AND TENSILE FORCES OF UP TO 250 LBF. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

6. MOUNTING HEIGHTS TO OPERATING CONTROLS FOR RESTROOM ACCESSORIES NOT SPECIFICALLY CALLED OUT IN THE A.D.A. SHALL COMPLY WITH THE REACH RANGES SPECIFIED IN SECTION 308.

7. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS SHALL COMPLY WITH 309 AND BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET

CLEAR FLOOR SPACE AT WATER CLOSETS
GRAB BARS AT WATER CLOSETS
TOILET STALLS
STANDARD STALL
STANDARD STALL (END OF ROW)
CLEAR FLOOR SPACE AT LAVATORIES
LAVATORY CLEARANCE
DRINKING FOUNTAINS AND WATER COOLERS

DOORS

1. ACCESSIBLE DOORS SHALL COMPLY WITH SECTION 404.

2. THRESHOLD, IF PROVIDED AT DOORWAYS, SHALL BE 1/2" HIGH MAXIMUM. EXISTING OR ALTERED THRESHOLDS 3/4" HIGH MAXIMUM THAT HAVE A BEVELED EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER THAN 1:2 ARE ALSO PERMITTED.

3. DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

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

5. ACCESSIBLE DOORS THAT ARE NOT FIRE DOORS OR EXTERIOR HINGED DOORS SHALL HAVE A MAXIMUM FORCE FOR PUSHING OR PULLING THE DOOR OPEN OF 5 LBF. THIS FORCE DOES NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD A DOOR IN A CLOSED POSITION.

CLEAR DOORWAY WIDTH
FRONT APPROACHES - SWINGING DOORS
HINGE SIDE APPROACHES - SWINGING DOORS
LATCH SIDE APPROACHES - SWINGING DOORS
TWO HINGED DOORS IN SERIES

PATH OF TRAVEL

1. ALL WALKS, HALLS, CORRIDORS, AISLES, SKYWALKS, TUNNELS, AND OTHER SPACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH SECTION 402 AND ANY OTHER APPLICABLE SECTION OF CH. 4.

2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS.

3. AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 1:20 IS A RAMP AND SHALL COMPLY WITH 405. NOWHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:48.

MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR
60-IN DIAMETER SPACE
T-SHAPED SPACE FOR 180° TURNS
VERTICAL CHANGES IN LEVEL
CHANGES IN LEVEL
TURN AROUND AN OBSTRUCTION
WALKING PARALLEL TO A WALL

RAMP

1. ACCESSIBLE RAMPS SHALL COMPLY WITH SECTION 405.

2. IF A RAMP HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72", THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ADJACENT TO ASSEMBLY SEATING AREAS. CLEAR SPACE BETWEEN A HANDRAIL AND AN ADJACENT WALL SHALL BE 1-1/2" MIN.

3. THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:48.

4. EXISTING RAMP'S SLOPE SHALL COMPLY WITH SECTION 405.2. FOR A RAMP NOT RISING MORE THAN 3" THE MAXIMUM SLOPE CAN BE 1:8>X>1:10. FOR A RAMP RISING GREATER THAN 3" BUT NOT MORE THAN 6" THE MAXIMUM SLOPE CAN BE 1:10>X>1:12.

COMPONENTS OF A SINGLE RAMP RUN AND SAMPLE RAMP DIMENSIONS

CONTROLS

1. CONTROLS & OPERATING MECHANISMS SHALL COMPLY WITH SECTION 309.

2. ALL CONTROLS & OPERATING MECHANISMS WHICH ARE INTENDED FOR NORMAL USE BY BUILDING OCCUPANTS SHALL BE PROVIDED WITH A D.A.-COMPLIANT CLEAR FLOOR SPACES & SHALL COMPLY WITH REACH RANGES IN SECTION 308.

3. REACH RANGES FOR CHILDREN UNDER AGES 12 SHALL COMPLY WITH SECTION 308.1.

CLEAR FLOOR SPACE PARALLEL APPROACH
OBSTRUCTED HIGH SIDE REACH
UNOBSTRUCTED SIDE REACH
CLEAR FLOOR SPACE FORWARD APPROACH
UNOBSTRUCTED SIDE REACH
OBSTRUCTED HIGH SIDE REACH

SIGNAGE

1. ACCESSIBLE SIGNAGE SHALL COMPLY WITH SECTION 703.

2. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.

3. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. CHARACTER HEIGHT SHALL BE MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" MIN. AND 2" MAX. BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I"

4. LETTERS AND NUMERALS SHALL BE RAISED 1/32", UPPER-CASE SANS SERIF TYPE, AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT. BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.

5. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND - EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

6. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT SIDE OF THE RIGHT HAND DOOR WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS. SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN. BY 18" MIN, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED DOOR AND THE 45 DEGREE OPEN POSITION.

INTERNATIONAL SYMBOL OF ACCESSIBILITY
DISPLAY CONDITIONS - INTERNATIONAL SYMBOL OF ACCESSIBILITY

TABLEWARE AREAS

1. FOOD SERVICE LINES SHALL HAVE A MINIMUM CLEAR WIDTH OF 36" WITH TRAY SLIDES MOUNTED NO HIGHER THAN 34" ABOVE THE FLOOR. IF SELF-SERVICE SHELVES ARE PROVIDED, AT LEAST 50% OF EACH TYPE MUST BE WITHIN REACH RANGES SPECIFIED IN SECTION 308.

2. SELF-SERVICE SHELVES AND DISPENSING DEVICES FOR DISHWARE, CONDIMENTS, FOOD AND BEVERAGES SHALL BE INSTALLED TO COMPLY WITH SECTION 308.

FOOD SERVICE LINES

STAIRS

1. ACCESSIBLE STAIRS SHALL COMPLY WITH SECTION 504.

2. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS TREAD DEPTHS ALONG EACH RUN. RISERS SHALL BE 4" HIGH MIN. AND UNIFORM AND 7" HIGH MAX. TREAD SHALL BE 11" DEEP MIN.

3. THE CLEAR SPACE BETWEEN HANDRAILS AND WALL SHALL BE 1-1/2" MIN. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOP AND SIDES. THE TOP OF HANDRAIL GRIPPING SURFACES SHALL BE INSTALLED BETWEEN 34" AND 38" ABOVE STAIR NOSINGS.

PLAN
EXTENSION AT BOTTOM OF RUN
EXTENSION AT TOP OF RUN

NOTE:
X IS THE MINIMUM HANDRAIL EXTENSION REQUIRED AT EACH TOP RISER. X = 12" MIN. Y IS THE MINIMUM HANDRAIL EXTENSION REQUIRED AT EACH BOTTOM RISER. Y IS EQUAL TO OR GREATER THAN THE TREAD DEPTH.

RESTROOMS

1. ELEMENTS OF ACCESSIBLE RESTROOMS SHALL COMPLY WITH SECTIONS 603, 604, 605, 606, 607, 608, 609 & 610.

2. ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL-HUNG AT A MAXIMUM OF 17" ABOVE FINISH FLOOR. URINALS SHALL HAVE A 30" x 48" CLEAR FLOOR SPACE TO ALLOW A FRONT APPROACH AND THE FLUSH CONTROLS SHALL BE HAND-OPERATED WITH THE CONTROLS INSTALLED ACCORDING TO SECTION 308.

3. HOT WATER LINES AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

4. IF HAND OPERATED METERING FAUCETS ARE USED, THE FAUCET SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

5. THE SPACE BETWEEN ANY OBSTRUCTION AND THE GRAB BAR SHALL BE 1-1/2". THE GRAB BAR ASSEMBLY SHALL BE CAPABLE OF WITHSTANDING BENDING STRESSES, SHEAR STRESSES, SHEAR FORCES, AND TENSILE FORCES OF UP TO 250 LBF. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

6. MOUNTING HEIGHTS TO OPERATING CONTROLS FOR RESTROOM ACCESSORIES NOT SPECIFICALLY CALLED OUT IN THE A.D.A. SHALL COMPLY WITH THE REACH RANGES SPECIFIED IN SECTION 308.

7. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS SHALL COMPLY WITH 309 AND BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET

CLEAR FLOOR SPACE AT WATER CLOSETS
GRAB BARS AT WATER CLOSETS
TOILET STALLS
STANDARD STALL
STANDARD STALL (END OF ROW)
CLEAR FLOOR SPACE AT LAVATORIES
LAVATORY CLEARANCE
DRINKING FOUNTAINS AND WATER COOLERS

DOORS

1. ACCESSIBLE DOORS SHALL COMPLY WITH SECTION 404.

2. THRESHOLD, IF PROVIDED AT DOORWAYS, SHALL BE 1/2" HIGH MAXIMUM. EXISTING OR ALTERED THRESHOLDS 3/4" HIGH MAXIMUM THAT HAVE A BEVELED EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER THAN 1:2 ARE ALSO PERMITTED.

3. DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

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

5. ACCESSIBLE DOORS THAT ARE NOT FIRE DOORS OR EXTERIOR HINGED DOORS SHALL HAVE A MAXIMUM FORCE FOR PUSHING OR PULLING THE DOOR OPEN OF 5 LBF. THIS FORCE DOES NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD A DOOR IN A CLOSED POSITION.

CLEAR DOORWAY WIDTH
FRONT APPROACHES - SWINGING DOORS
HINGE SIDE APPROACHES - SWINGING DOORS
LATCH SIDE APPROACHES - SWINGING DOORS
TWO HINGED DOORS IN SERIES

PATH OF TRAVEL

1. ALL WALKS, HALLS, CORRIDORS, AISLES, SKYWALKS, TUNNELS, AND OTHER SPACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH SECTION 402 AND ANY OTHER APPLICABLE SECTION OF CH. 4.

2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS.

3. AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 1:20 IS A RAMP AND SHALL COMPLY WITH 405. NOWHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:48.

MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR
60-IN DIAMETER SPACE
T-SHAPED SPACE FOR 180° TURNS
VERTICAL CHANGES IN LEVEL
CHANGES IN LEVEL
TURN AROUND AN OBSTRUCTION
WALKING PARALLEL TO A WALL

RAMP

1. ACCESSIBLE RAMPS SHALL COMPLY WITH SECTION 405.

2. IF A RAMP HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72", THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ADJACENT TO ASSEMBLY SEATING AREAS. CLEAR SPACE BETWEEN A HANDRAIL AND AN ADJACENT WALL SHALL BE 1-1/2" MIN.

3. THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:48.

4. EXISTING RAMP'S SLOPE SHALL COMPLY WITH SECTION 405.2. FOR A RAMP NOT RISING MORE THAN 3" THE MAXIMUM SLOPE CAN BE 1:8>X>1:10. FOR A RAMP RISING GREATER THAN 3" BUT NOT MORE THAN 6" THE MAXIMUM SLOPE CAN BE 1:10>X>1:12.

COMPONENTS OF A SINGLE RAMP RUN AND SAMPLE RAMP DIMENSIONS

CONTROLS

1. CONTROLS & OPERATING MECHANISMS SHALL COMPLY WITH SECTION 309.

2. ALL CONTROLS & OPERATING MECHANISMS WHICH ARE INTENDED FOR NORMAL USE BY BUILDING OCCUPANTS SHALL BE PROVIDED WITH A D.A.-COMPLIANT CLEAR FLOOR SPACES & SHALL COMPLY WITH REACH RANGES IN SECTION 308.

3. REACH RANGES FOR CHILDREN UNDER AGES 12 SHALL COMPLY WITH SECTION 308.1.

CLEAR FLOOR SPACE PARALLEL APPROACH
OBSTRUCTED HIGH SIDE REACH
UNOBSTRUCTED SIDE REACH
CLEAR FLOOR SPACE FORWARD APPROACH
UNOBSTRUCTED SIDE REACH
OBSTRUCTED HIGH SIDE REACH

SIGNAGE

1. ACCESSIBLE SIGNAGE SHALL COMPLY WITH SECTION 703.

2. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO SUCH THAT THE WIDTH OF AN UPPERCASE "O" SHALL BE 55% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF AN UPPERCASE "I".

3. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. TABLE 703.2.4. THE MINIMUM HEIGHT IS MEASURED USING AN UPPERCASE I. LOWER CASE CHARACTERS ARE PERMITTED. SIGNS INSTALLED OVER 120" ABOVE FINISHED FLOOR SHALL HAVE A MINIMUM CHARACTER HEIGHT OF 3".

4. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE-LEAF DOORS. SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" ABOVE FINISHED FLOOR TO THE BOTTOM OF HIGHEST LINE OF TEXT. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18" MINIMUM BY 18" MINIMUM CENTERED ON THE TACTILE CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

INTERNATIONAL SYMBOL OF ACCESSIBILITY
DISPLAY CONDITIONS - INTERNATIONAL SYMBOL OF ACCESSIBILITY

TABLEWARE AREAS

1. FOOD SERVICE LINES SHALL HAVE A MINIMUM CLEAR WIDTH OF 36" WITH TRAY SLIDES MOUNTED NO HIGHER THAN 34" ABOVE THE FLOOR. IF SELF-SERVICE SHELVES ARE PROVIDED, AT LEAST 50% OF EACH TYPE MUST BE WITHIN REACH RANGES SPECIFIED IN SECTION 308.

2. SELF-SERVICE SHELVES AND DISPENSING DEVICES FOR DISHWARE, CONDIMENTS, FOOD AND BEVERAGES SHALL BE INSTALLED TO COMPLY WITH SECTION 308.

FOOD SERVICE LINES

STAIRS

1. ACCESSIBLE STAIRS SHALL COMPLY WITH SECTION 504.

2. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS TREAD DEPTHS ALONG EACH RUN. RISERS SHALL BE 4" HIGH MIN. AND UNIFORM AND 7" HIGH MAX. TREAD SHALL BE 11" DEEP MIN.

3. THE CLEAR SPACE BETWEEN HANDRAILS AND WALL SHALL BE 1-1/2" MIN. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOP AND SIDES. THE TOP OF HANDRAIL GRIPPING SURFACES SHALL BE INSTALLED BETWEEN 34" AND 38" ABOVE STAIR NOSINGS.

PLAN
EXTENSION AT BOTTOM OF RUN
EXTENSION AT TOP OF RUN

NOTE:
X IS THE MINIMUM HANDRAIL EXTENSION REQUIRED AT EACH TOP RISER. X = 12" MIN. Y IS THE MINIMUM HANDRAIL EXTENSION REQUIRED AT EACH BOTTOM RISER. Y IS EQUAL TO OR GREATER THAN THE TREAD DEPTH.

RESTROOMS

1. ELEMENTS OF ACCESSIBLE RESTROOMS SHALL COMPLY WITH ICC/ANSI A117.1 - 2009 SECTIONS 603, 604, 605, 606, 609, AND 609.

GRAB BARS AT WATER CLOSETS

DOORS

1. ACCESSIBLE DOORS SHALL COMPLY WITH ICC/ANSI A117.1 - 2009 SECTION 404.

2. THRESHOLD AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

3. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISHED FLOOR AND NOT LOWER THAN 34" ABOVE FINISH FLOOR.

4. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90°, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO AN OPEN POSITION OF 12°.

HINGE SIDE APPROACHES - SWINGING DOORS
TWO HINGED DOORS IN SERIES

PATH OF TRAVEL

1. ALL WALKS, HALLS, CORRIDORS, AISLES, SKYWALKS, TUNNELS, AND OTHER SPACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH ICC/ANSI A117.1 - 2009 SECTION 402

2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS.

3. AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 1:20 IS A RAMP AND SHALL COMPLY WITH ICC/ANSI A117.1 - 2009 SECTION 405. NOWHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:48.

T-SHAPED SPACE FOR 180° TURNS
TURN AROUND AN OBSTRUCTION

RAMP

1. ACCESSIBLE RAMPS SHALL COMPLY WITH SECTION 405.

2. IF A RAMP HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72", THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ADJACENT TO ASSEMBLY SEATING AREAS. CLEAR SPACE BETWEEN A HANDRAIL AND AN ADJACENT WALL SHALL BE 1-1/2" MIN.

3. THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:48.

4. EXISTING RAMP'S SLOPE SHALL COMPLY WITH SECTION 405.2. FOR A RAMP NOT RISING MORE THAN 3" THE MAXIMUM SLOPE CAN BE 1:8>X>1:10. FOR A RAMP RISING GREATER THAN 3" BUT NOT MORE THAN 6" THE MAXIMUM SLOPE CAN BE 1:10>X>1:12.

COMPONENTS OF A SINGLE RAMP RUN AND SAMPLE RAMP DIMENSIONS

CONTROLS

1. CONTROLS & OPERATING MECHANISMS SHALL COMPLY WITH SECTION 309.

2. ALL CONTROLS & OPERATING MECHANISMS WHICH ARE INTENDED FOR NORMAL USE BY BUILDING OCCUPANTS SHALL BE PROVIDED WITH A D.A.-COMPLIANT CLEAR FLOOR SPACES & SHALL COMPLY WITH REACH RANGES IN SECTION 308.

3. REACH RANGES FOR CHILDREN UNDER AGES 12 SHALL COMPLY WITH SECTION 308.1.

CLEAR FLOOR SPACE PARALLEL APPROACH
OBSTRUCTED HIGH SIDE REACH
UNOBSTRUCTED SIDE REACH
CLEAR FLOOR SPACE FORWARD APPROACH
UNOBSTRUCTED SIDE REACH
OBSTRUCTED HIGH SIDE REACH

SIGNAGE

1. ACCESSIBLE SIGNAGE SHALL COMPLY WITH ICC/ANSI A117.1 - 2009 SECTION 703.

2. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO SUCH THAT THE WIDTH OF AN UPPERCASE "O" SHALL BE 55% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF AN UPPERCASE "I".

3. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. TABLE 703.2.4. THE MINIMUM HEIGHT IS MEASURED USING AN UPPERCASE I. LOWER CASE CHARACTERS ARE PERMITTED. SIGNS INSTALLED OVER 120" ABOVE FINISHED FLOOR SHALL HAVE A MINIMUM CHARACTER HEIGHT OF 3".

4. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE-LEAF DOORS. SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" ABOVE FINISHED FLOOR TO THE BOTTOM OF HIGHEST LINE OF TEXT. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18" MINIMUM BY 18" MINIMUM CENTERED ON THE TACTILE CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

INTERNATIONAL SYMBOL OF ACCESSIBILITY
DISPLAY CONDITIONS - INTERNATIONAL SYMBOL OF ACCESSIBILITY

TABLEWARE AREAS

1. FOOD SERVICE LINES SHALL HAVE A MINIMUM CLEAR WIDTH OF 36" WITH TRAY SLIDES MOUNTED NO HIGHER THAN 34" ABOVE THE FLOOR. IF SELF-SERVICE SHELVES ARE PROVIDED, AT LEAST 50% OF EACH TYPE MUST BE WITHIN REACH RANGES SPECIFIED IN SECTION 308.

2. SELF-SERVICE SHELVES AND DISPENSING DEVICES FOR DISHWARE, CONDIMENTS, FOOD AND BEVERAGES SHALL BE INSTALLED TO COMPLY WITH SECTION 308.

FOOD SERVICE LINES

STAIRS

1. ACCESSIBLE STAIRS SHALL COMPLY WITH SECTION 504.

2. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS TREAD DEPTHS ALONG EACH RUN. RISERS SHALL BE 4" HIGH MIN. AND UNIFORM AND 7" HIGH MAX. TREAD SHALL BE 11" DEEP MIN.

3. THE CLEAR SPACE BETWEEN HANDRAILS AND WALL SHALL BE 1-1/2" MIN. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOP AND SIDES. THE TOP OF HANDRAIL GRIPPING SURFACES SHALL BE INSTALLED BETWEEN 34" AND 38" ABOVE STAIR NOSINGS.

PLAN
EXTENSION AT BOTTOM OF RUN
EXTENSION AT TOP OF RUN

NOTE:
X IS THE MINIMUM HANDRAIL EXTENSION REQUIRED AT EACH TOP RISER. X = 12" MIN. Y IS THE MINIMUM HANDRAIL EXTENSION REQUIRED AT EACH BOTTOM RISER. Y IS EQUAL TO OR GREATER THAN THE TREAD DEPTH.

RESTROOMS

1. ELEMENTS OF ACCESSIBLE RESTROOMS SHALL COMPLY WITH ICC/ANSI A117.1 - 2009 SECTIONS 603, 604, 605, 606, 609, AND 609.

GRAB BARS AT WATER CLOSETS

DOORS

1. ACCESSIBLE DOORS SHALL COMPLY WITH ICC/ANSI A117.1 - 2009 SECTION 404.

2. THRESHOLD AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

3. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. HARDWARE REQUIRED FOR ACCESSIBLE

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01100 - SUMMARY

- 1.1 Contract Documents:
- A. Contractor shall use the following Tenant provided documents in the negotiation and execution of the Work. Contact Tenant's office for copies of these documents:
 - 1. Chipotle Instructions to Bidders.
 - 2. Construction Contract for Chipotle Mexican Grill.
 - B. Definitions:
 - 1. The term "Owner" used in these documents refers to the building Owner/Landlord.
 - 2. The term "Tenant" used in these documents refer to the restaurant Tenant, Chipotle Mexican Grill, Inc.
 - 3. The term "Contractor" used in these documents refers to the entity responsible for performing the Work under Construction Contract for Chipotle Mexican Grill.
- 1.2 Scope of Work:
- A. The Work shall include construction of the site and building facilities as shown and specified in these Specifications and Drawings.
 - B. When required and necessary, the Tenant will provide a subsurface exploration report as an attachment the bidding documents.

SECTION 01300 - ADMINISTRATIVE REQUIREMENTS

- 1.1 Coordination:
- A. Immediately inform the Architect of discrepancies between the information indicated in the Contract Documents and existing project conditions, and of discrepancies between information indicated on the architectural, structural, mechanical, plumbing and electrical documents.
 - B. Prior to fabrication and installation of new components, field verify all existing and new dimensions and installation conditions that may affect the Work. Do not scale the drawings to establish locations of items that are not located using dimensions.
 - 1. All dimensions are to rough face of stud or centerline of structure, unless otherwise indicated.
 - 2. Verify that all Subcontractors have reviewed and coordinated locations of their equipment and furnishings exposed to view with the architectural drawings. Review questions with the Architect.
 - C. Coordinate new work indicated on the Contract Documents with new work that may be provided by the Owner and Tenant under separate contracts.
 - D. Coordinate the work of Vendors, Contractors and Subcontractors providing fixtures, furniture and equipment identified as "by Tenant" in these drawings and specifications.
 - 1. Notify the Tenant in timely fashion if any problems develop with the performance of these Vendors, Contractors or Subcontractors.
 - E. Coordinate the scheduling, sequencing, and the work of all trades and Subcontractors to assure efficient and orderly sequences of installation of interdependent construction elements.
 - F. Verify that the utility requirement characteristics of operating equipment are compatible with the building utility services. Coordinate work of the various specification sections having interdependent responsibilities for installing, connecting to, and placing in service such equipment.
 - G. Coordinate the installation and physical space requirements of plumbing, mechanical and electrical work that are indicated diagrammatically on the drawings. Follow routing shown for piping, ducts and conduit as closely as practical. Install runs parallel with and perpendicular to the line of the building. Utilize spaces as efficiently as possible to maximize accessibility for other work installation and for maintenance and for repair.
 - 1. Conceal piping, ducts and conduit within the construction, except as otherwise indicated.
 - 2. Coordinate locations of registers, fixtures and outlets with finish elements.
 - H. Coordinate completion and cleanup work of all trades and Subcontractors in preparation for Substantial Completion.
 - I. To minimize disruption of Tenant's activities after Tenant occupancy of the property, coordinate access to the property with the Tenant's Construction Manager for correction of defective work and work not in accordance with the Contract Documents.
- 1.2 Submittals:
- A. Only when indicated in the specifications or drawings submit shop drawings, product data, and/or samples to the Architect, Design Manager, and Development Analyst for review. All submittals shall be made directly to the Architect by the general contractor. Only submittals for specified products will be accepted unless prior approval has been obtained for a substitution (refer to Section 01630).
- Shop drawings: Submit electronic copies of each sheet of drawings. Shop drawings are original drawings prepared by the subcontractor or vendor for the purpose of conveying information to the Architect and/or Engineer on how a building element or product will be constructed in sufficient detail for the Architect and/or Engineer to determine compliance with the design intent.

In all cases one copy of the submittal shall be returned to the General Contractor. Electronic submittals for shop drawing or product data in either PDF or DWG format are acceptable for review. All submittals, regardless of format, must bear the General Contractor's stamp indicating the submittal has been reviewed and approved. Any submittal not meeting the requirements set forth will be rejected by the Architect.

Submittals shall be made with respect to the construction schedule to allow for adequate review time: allow (5) business days for review of submittals for any structural steel, canopies and trusses and allow (3) business days for review of submittals in all other divisions. Review timeline will commence from the time the submittal with General Contractor's approval stamp is received by the Architect, Design Manager, and Development Analyst.

- 1.3 Requests For Information
- A. In the event that the general contractor, or a subcontractor, at any tier, determines that some portion of the drawings, specifications, or other contract documents requires a clarification or interpretation by the architect, the general contractor shall submit a Request For Information in writing to the architect in an electronic copy.
- Requests for Information may only be submitted by the general contractor and may only be submitted to the architect. The general contractor shall clearly and concisely set forth the issue for which clarification or interpretation is sought and why a response is needed from the architect or the architect's consultants. In the Request for Information, the general contractor shall set forth an interpretation or understanding of the requirement along with an explanation of why such an understanding was reached.
- B. The architect will review all Requests for Information to determine whether they are Requests for Information within the meaning of this term. If the architect determines that the document is not a request for information, it will be returned to the general contractor, un-reviewed as to content, for re-submittal in the proper form and in the proper manner.
- Responses to Requests for Information shall be issued upon receipt, but no later than five (5) working days of receipt of the Request from the general contractor; unless the architect determines that a longer amount of time is necessary to provide an adequate response. If a longer amount of time is determined necessary by the architect, the architect will, within five (5) working days of receipt of the Request, notify the general contractor of the anticipated response time. If the general contractor submits a Request for Information on an activity with five (5) working days or less of float on the current project schedule the general contractor shall not be entitled to any time extension due to the time it takes the architect to respond to the Request provided that the architect responds within the parameters set forth above.
- C. Responses to Requests for Information from the architect will not change any requirements of the contract documents. In the event that the general contractor believes that a response to a Request For Information will cause a change to the requirements of the contract documents, the general contractor shall immediately give written notice to the architect and the tenant stating that the general contractor considers the response to be a Change Order. Failure to give such written notice immediately shall waive the general contractor's (or any subcontractor's) right to seek additional time or cost under the Administrative Requirements of these contract documents.

SECTION 01400 - QUALITY REQUIREMENTS

- 1.1 Regulatory Requirements:
- A. Perform all work in accordance with applicable local, state, and federal building codes, plumbing codes, mechanical codes, electrical codes, ordinances and rules and regulations governing food service establishments.
 - B. Comply with local, state and federal requirements governing accessibility.
 - C. Obtain all required demolition and erosion control permits required by authorities having jurisdiction.
- 1.2 Quality Control:
- A. Maintain quality control over manufacturers, suppliers, products, services, site conditions and workmanship, to produce work of specified quality.
 - B. Comply with manufacturer's instructions and applicable trade standards.
 - C. Handle, install, connect, clean, condition and adjust products in strict accordance with manufacturer's instructions and complying with specified requirements.
 - 1. Request clarification from the Architect before proceeding, where manufacturer's instructions conflict with the Contract Documents.
 - D. Comply with specified standards as a minimum quality for the Work, except when more stringent tolerances, codes or specified requirements indicate higher standards or more precise workmanship.
 - E. Perform work by persons qualified to produce workmanship of the specified quality. Secure products in place with positive anchorage devices designed, sized and installed to withstand stress, vibration, physical distortion or disfigurement.
 - F. All dimensions shall be considered "hold-to" dimensions unless indicated otherwise (e.g. minimum or maximum dimensions.)
- 1.3 Testing:
- A. Employ and pay for the services of an independent testing laboratory to perform inspections, tests and other services when required.
 - B. Include inspection and tests as indicated in the specification sections, drawings, and as required by authorities having jurisdiction.
 - 1. Test concrete in accordance with Section 03300 and drawing requirements.
 - 2. Test structural steel in accordance with Section 05110 and drawing requirements.

SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS

- 1.1 Provide temporary facilities and controls as shown and specified:
- A. Codes and Standards: Provide temporary construction facilities and controls complying with all applicable local, State and Federal local laws, regulations and codes and utility company requirements.
 - B. Temporary Heating, Ventilating and Cooling:
 - 1. Provide, pay for and maintain all temporary heating, ventilating and cooling equipment and facilities required during the progress of the work to protect materials, finished work, and equipment against damage from low and high temperatures and humidity.
 - 2. Provide temporary heating, ventilating and cooling when the outside temperature and humidity is low/high enough to damage or affect in any way the performance or quality of material and product stored in the building, in any temporary storage area, or any material or product incorporated into the work.
 - 3. Provide temporary heating, ventilating and cooling when the outside temperature and humidity is low/high enough to significantly slow or hamper effectiveness of workers and to provide suitable working conditions.
 - C. Temporary Electrical Lighting and Power:
 - 1. Provide, pay for and maintain all temporary electrical service for lighting and power required during the progress of the work. Include all necessary wiring, fuses, disconnect switches, safety devices, junction boxes, panels, ground fault protections, and transformer if required. Include cost for providing temporary electric generators in the Contract Sum, if temporary electric service is not available for use during progress of the work.
 - 2. Temporary service and lighting and power items and installations shall conform to the requirements of the NFPA National Electric Code and OSHA Occupational Safety and Health Act of 1970.
 - D. Water: Provide, pay for and maintain all temporary water required during the progress of the work. Include all necessary storage tanks, piping, valves, fittings, hose and hose connections during construction and testing.
 - E. Temporary Toilets: Provide, pay for and maintain temporary toilet facilities for use by the Contractor, Contractor's employees and all Subcontractors and Subcontractors' employees. Comply with all local requirements for installation, use and maintenance of temporary toilet facilities.
 - F. Barriers and Enclosures:
 - 1. Provide temporary construction barriers in accordance with project requirements. Exercise all necessary precautions to protect adjacent properties, outside project contact limits, during progress of the work. Take special precautions to avoid damage to existing overhead and underground utilities and services owned or operated by the Owner or by public or private utility companies.
 - 2. Provide temporary weather-tight enclosures at exterior openings to provide acceptable working conditions and protection of materials and to allow for temporary heating, ventilating and cooling.
 - G. Field Office, Telephone and Email:
 - 1. Provide and maintain a temporary field office at the project site during progress of the work. A designated area within the existing building will be available for use as a temporary field office. Verify area size and location with the Tenant.
 - 2. Maintain copies of permits, approved shop drawings, specifications, addenda and record documents at field office.
 - 3. Provide temporary telephone service and internet service with email and photo capabilities to field office throughout progress of the work.
 - 4. Provide weekly photographic documentation of project progression to Tenant.
 - H. Safety and Security
 - 1. Provide and maintain all necessary safety provisions for protection and safety of the project work, workers and general public.
 - 2. Provide and maintain operable fire extinguishing devices in well-marked, accessible locations throughout the project. Provide types, quantities and locations in compliance with governing codes and ordinances.
 - 3. Provide all necessary security barriers and enclosures to protect the work and Tenant's operations from unauthorized entry of persons, vandalism and theft. Provide doors, when required, with self-closing hardware and locks.
 - I. Cleaning
 - 1. During Construction: Provide an approved on-site container for the use of all Contractors and Subcontractors for the collection of waste materials, debris and rubbish. Execute periodic cleaning to keep the work, the site and adjacent properties free from accumulations of waste materials, rubbish and windblown debris, resulting from construction operations. Remove crates and cartons in which materials, equipment, or fixtures are received to on-site containers daily.
 - a. Maintain the property in a clean and orderly condition. Remove waste materials, debris and rubbish from the site on a daily basis and dispose of at legal disposal areas away from the site.
 - 2. Dust Control:
 - a. Remove debris and rubbish from pipe chases, plenums and other similar closed or remote spaces prior to covering or enclosing the space.
 - b. Sweep and vacuum clean interior surfaces before start of surface finishing and painting. Continue cleaning on an as-needed basis until finishing and painting is completed.
 - c. Cleaning operations shall be acceptable to the Tenant's Construction Manager.

SECTION 01630 - SUBSTITUTIONS

- 1.1 General:
- A. Products, including materials, equipment and systems described in the Contract Documents establish the standards of required function, dimension, appearance, quality and performance of the Work. Base all bids on the "Standards" indicated.
 - B. Requests by the Contractor for changes in products, manufacturers, fabricators, suppliers, installers, and methods of construction required by the Contract Documents are considered requests for "substitutions." Substitutions will be considered only under the following conditions:
 - 1. The indicated "Standard" cannot be provided within the Contract Time
 - 2. The indicated "Standard" cannot receive necessary approval by the governing authority.
 - 3. A substantial advantage is offered the Owner, in terms of cost, time, energy conservation or other considerations of merit as determined by the Architect.

- C. Submit each request for substitution to the Architect. Identify the product, manufacturer, fabricator, supplier, installer or the fabrication or installation method to be replaced in each request. Identify related Specification Section and Drawing numbers. Provide documentation as directed by the Architect.
- D. Substitutions will not be considered when indicated on shop drawings or product data submittals without separate written request, when requested directly by subcontractor, manufacturer, fabricator, or supplier, or when acceptance will require substantial revision of the Contract Documents.
- E. Substitute products, manufacturers, fabricators, suppliers, and installers shall not be used for the Project without Tenant and Architect's written acceptance.

SECTION 01700 - EXECUTION REQUIREMENTS

- 1.1 Preparation:
- A. Protection of existing construction: Use all necessary care and appropriate means and methods to protect and prevent damage to existing construction and property not part of the Contract Work. Repair and refinish or replace construction an property damaged during construction work, at Contractor's expense.
- 1.2 Selective Demolition: Provide selective demolition as shown and specified.
- A. Preparation:
 - 1. Coordinate work of this Section with work of various Contractors and Tenant's staff.
 - 2. Maintain protected access at all times.
 - 3. Erect and maintain weatherproof closures at exterior openings.
 - 4. Erect and maintain dust-proof interior partitions to prevent spread of dust or fumes.
 - 5. Erect and maintain barricades, enclosures, bracing, shoring, lights, warning signs and guards necessary for worker and public safety and protection of property.
 - 6. Disconnect, remove and cap designated utility services. Identify and mark locations of disconnected and capped utilities at the project site and on Project Record Documents.
 - 7. Notify and coordinate with the Tenant's Construction Manager and the building Owner for any demolition occurring outside the lease limit.
 - 8. Coordinate hours of operation and construction access with the Tenant's Construction Manager and the building Owner.
 - B. Selective Demolition
 - 1. Remove existing construction to accommodate new construction as indicated.
 - 2. Perform selective demolition in an orderly, systematic and careful manner with least possible disturbance to public and adjacent property. Use of explosives is prohibited.
 - 3. Immediately remove from the site and legally dispose of demolished materials, except as indicated otherwise. Do not burn or bury materials on the project site.
- 1.3 Cleaning
- A. Final Cleaning: Perform final cleaning upon completion of project work.
 - 1. Remove waste and surplus materials, rubbish, tools, equipment and temporary construction facilities from the site.
 - 2. Clean exterior grounds; remove stains, spills and foreign materials from paved areas, power wash and sweep clean. Rake clean landscaped surfaces of the grounds.
 - 3. Remove temporary protection and labels not required to remain.
 - 4. Clean all finished surfaces. Remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels and other foreign materials from exposed interior and exterior surfaces.
 - a. Clean all plumbing, fire protection and electrical fixtures and equipment including ceiling area elevated ductwork and lighting fixtures.
 - b. Clean permanent equipment filters and replace temporary disposable filters in mechanical units used during construction.
 - c. Clean ducts, blowers and coils if mechanical units were operated without filters during construction.
 - 5. Clean interior and exterior glazing and mirrors, polish transparent and glossy surfaces and clean floors with appropriate materials and equipment.
 - 6. Remove waste, foreign material and debris from roofs, areaways and drainage systems.
 - 7. Before Tenant occupancy, conduct an inspection, with the Tenant, of exposed interior and exterior surfaces at all work areas, to verify that the entire work is clean.
- 1.4 Starting and Adjusting:
- A. Prior to Substantial Completion, coordinate the start-up, test and balance, placement in operation and adjustment all systems, controls and equipment to verify proper operation. All systems shall be complete and operating prior to final inspection.
- 1.5 Contract Closeout:
- A. Operation and Maintenance Data: Submit one operation and maintenance manual, bound in 8-1/2" x 11" text pages, three D side ring capacity expansion binders with durable plastic covers.
 - 1. Subdivide the binder contents internally with permanent dividers logically organized as described below. Provide tab titles clearly printed under reinforced laminated plastic tabs.
 - 2. Provide a table of contents with each product or system description identified.
 - 3. Provide a directory listing names, addresses, and telephone numbers of the project Architect/Engineer, Contractor, Subcontractors and major equipment suppliers.
 - 4. Prepare operations and maintenance instructions arranged by system and subdivided by specification section. Identify names, addresses, and telephone numbers of project Subcontractors and suppliers. For each category, identify the following:
 - a. Significant design criteria.
 - b. List of equipment.
 - c. Parts list for each component.
 - d. Operating instructions.
 - e. Maintenance instructions for each equipment item and systems.
 - f. Maintenance instructions for special finishes, including recommended cleaning methods and materials and special precautions for identifying detrimental agents.
 - 5. Submit operations and maintenance data to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.
 - B. Record/As Built Documents:
 - 1. Prepare and maintain on site one set of the following record/as built documents:
 - a. Contract Documents.
 - b. Construction Documents.
 - c. Change orders and other modifications to the Contract.
 - d. Shop drawings, product data, and samples.
 - e. Construction schedule.
 - 2. Store record/as built documents separate from documents used for construction.
 - 3. Record actual revisions to the Work, concurrently with construction progress.
 - 4. Legibly mark and record a description of actual products installed at each specification section, including the following:
 - a. Manufacturer's name and product model and number.
 - b. Approved product substitutions or alternates utilized.
 - c. Changes made by addenda, change orders, and other modifications.
 - 5. Legibly mark each item to record actual construction, including the following:
 - a. Measured depths of foundations in relation to finish first main floor datum.
 - b. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 - c. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the work.
 - d. Field changes of dimension and detail.
 - e. Details not on original Contract Document drawings.
 - 6. Submit record/as built documents to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.

- C. Warranties and Bonds:
 - 1. Compile warranties and bonds required by the Contract Documents.
 - 2. Submit duplicate copies of warranties and bonds to the Tenant with final application for payment in accordance with Exhibit C of the Construction Contract.
- D. Maintenance Materials and Spare Parts:
 - 1. Provide extra maintenance materials and spare parts in quantities indicated in the specification sections.
 - 2. Place in location as directed by the Tenant's Construction Manager.

DIVISION 2 - SITE CONSTRUCTION

- 1.1 General: Provide site construction work, including services, utilities, earthwork, paving and landscaping in accordance with the site construction work drawings and details.
- 2.1 Materials:
- A. Stencils for pavement markings: Pavement Stencil Comapny, P: (800) 250-5547, stencils@pavementstencil.com

DIVISION 3 - CONCRETE

SECTION 03300 - CAST-IN-PLACE CONCRETE

- 1.1 General: Provide cast-in-place concrete work in accordance with the General Structural Notes, structural drawing and details. Follow shell building documents for specifications, joints and geotech.
- A. Standards: Materials and construction shall conform to the following:
 - 1. ACI 117 "Standard Tolerances for Concrete Construction and Materials."
 - 2. ACI 301 "Structural Concrete for Buildings."
 - 3. ACI 305R "Recommended Practice for Hot Weather Concreting."
 - 4. ACI 306R "Recommended Practice for Cold Weather Concreting."
 - 5. ACI 315 "Details and Detailing of Concrete Reinforcement."
 - 6. ACI 318 "Building Code Requirements for Reinforced Concrete."
 - 2.1 Materials:
 - A. Under Slab Vapor Retarder: Stego Industries LLC, 877-464-7834, internet www.stegoindustries.com high density polyethylene Stego Wrap (10 mil) Vapor Barrier meeting or exceeding ASTM E1745 performance criteria for Class C vapor retarders.
 - 1. Seam Tape: High density polyethylene tape with pressure sensitive adhesive.
 - 2. Pipe boots: Shop or site fabricated from vapor retarder material and seam tape.
 - B. Concrete:
 - 1. Portland Cement: ASTM C150, Type I
 - 2. Aggregate: ASTM C33.
 - 3. Water: Clean and potable.
 - 4. Reinforcement: When required, comply with drawings reinforcement requirements.
 - 5. Compressive Strength: Minimum 3000 psi at 28 days.
 - 6. Admixtures: All admixtures shall be approved by the Tenant's Construction Manager prior to placement in the concrete mix.
 - C. Topping Concrete: When required to suit installation conditions, Ardex Diama-Top of Ardex Engineered Cements (888) 512-7339, internet www.ardex.com
 - 1. ULTRAFLOAR ARDEX DIAMA-TOP, self-leveling concrete repair material.
 - 2. Any pinholes that need to be filled shall be filled with ARDEX DIAMA-FILL filling compound for polished concrete, concrete terrazzo and other cementitious wear surfaces applied at the appropriate time during the polishing process.
 - 3. The primer for areas to receive ARDEX DIAMA-TOP will be ARDEX EP 2000 Substrate Preparation Epoxy.
 - 4. Installation shall be performed by factory-trained professional applicators in strict accordance with manufacturer's installation instructions.
 - 3.1 Installation
 - A. Vapor Retarder: Place, protect and repair vapor retarder sheets in accordance with ASTM E1643 and manufacturer's installation instructions.
 - 1. Provide a single layer of vapor retarder material over level compacted slab base.
 - 2. Lap joints and seams 6 inches and seal with seam tape.
 - 3. Seal all penetrations and repair damaged areas before concrete placement.
 - B. Reinforcement Place and inspect all reinforcing steel before concrete is placed.
 - C. Concrete Placement:
 - 1. Place cast-in-place concrete in accordance with ACI 301 and ACI 305R and 306R recommended practices for hot weather and cold weather concreting. Do not place concrete when temperature is below 40 degrees F.
 - 2. Wet cure concrete in accordance with ACI 301, using moist curing or moisture-retaining covers
 - D. Finish: Except where additional floor finish is scheduled, provide a smooth steel trowel finish.
 - 1. Exposed concrete used as a finish floor surface shall have a smooth finished surface, uniform in texture and appearance and free of trowel marks and other defects affecting ease of maintenance.
 - 2. Grind smooth surface defects as directed by the Tenant's Construction Manager.
 - E. Testing: When required, comply with drawings and specification sections testing requirements.
 - F. Topping Concrete: Prepare concrete floor slab substrate surfaces, prime substrate surfaces, mix, install and finish topping concrete in accordance with manufacturer's application instructions.

SECTION 033600 - RESINOUS FLOORING

- 1.1 General: Section includes: Decorative resinous flooring systems.
- 1.2 System Description:
- A. Performance Requirements: Provide resinous flooring that has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.
 - B. Alternate Flooring Options as approved by CMG MD: AiFlooring TerraQuartz (color: salt & pepper) -or- AiFlooring TerraSeal (color: medium grey)
- 1.3 Quality Assurance:
- A. Qualifications:
 - 1. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
 - a. Installer shall be an established company with at least 3 years experience in the installation of polymer floors.
 - b. Contractor shall demonstrate the ability to undertake and complete the required work and furnish documentation regarding the successful completion of projects of similar size and complexity.
 - 2. Manufacturer Qualifications: Manufacturer shall be capable of providing technical support, qualified applicators, and approval of application methods.
 - B. Pre-installation Meetings: Conduct a pre-installation meeting to verify flooring system specifications (color, texture, etc.), substrate analysis, and manufacturer's installation instructions.
 - C. Pre-installation Testing: Conduct pre-installation testing as follows:
 - 1. Water Vapor Transmission: Calcium Chloride tests should be conducted to determine the amount of water vapor coming through the slab. The results should be compared to limitations set forth by the manufacturer.
 - 2. Core Sample Testing: (optional) Core samples should be taken and analyzed if the installer believes there to be a problem with the integrity of the substrate that may affect flooring system performance.
 - 1.4 Delivery, Storage & Handling:
 - A. Ordering: Comply with manufacturer's ordering procedures and allow for enough lead-time for custom blends so as not to interfere with construction schedules.
 - B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
 - C. Storage and Protection: Store materials where they are protected from direct sunlight and harmful weather conditions. Meet manufacturer's condition for temperature, humidity, etc.

- 1.5 Project Conditions:
- A. Environmental Requirements/Conditions: Substrate and ambient air temperatures shall be in accordance with manufacturer's requirements.
 - B. Temperature Requirements: Maintain air temperature in spaces where products will be installed for time period before, during and after installation as recommended by manufacturer.

Consultant:

R/A

Red Architecture

589 W. NATIONWIDE BLVD. SUITE B
COLUMBUS, OHIO 43215 (614) 487-8770

BID DOCUMENTS
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Project No. CMG1187

Contents:

ARCHITECTURAL
SPECIFICATIONS

G010

2.1 Materials:	A. Resinous Flooring: Manufacturer: aiflooring 1. Contact: 1218 West 41st Street, Suite B, Tulsa, Oklahoma 74107. Phone: 918-445-0627	2.1 Flooring System:	A. System Description: Clear, thin film system 18-22 mils thick with texture agent added for slip resistance. 1. TerraPrime: A 2 component, 100% solids clear polyamide-cured epoxy coating. 2. TerraThane Satin: A 2 component, 90% solids polyurea clear finish coat. 3. TerraGrip: A graded, plastic aggregate added to finish coat for slip resistance.	2.3 Product Substitutions:	A. Substitutions: No substitutions permitted.	2.4 Source Quality:	A. Source Quality: Obtain resinous materials, including patching and leveling materials from a single manufacturer.	3.1 Manufacturer's Instructions:	A. Compliance: Comply with manufacturer's product data, including product technical data sheets and application instructions. 3.2 Examination: A. Site Verifications of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions. 1. Before applying materials, inspect surfaces to receive new materials and report any unsatisfactory conditions. Absence of any such report shall constitute installer's acceptance of surfaces as satisfactory for installing materials. 3.3 Preparation: A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation. B. Surface Preparation: 1. Mechanical Cleaning: Concrete floor surfaces receiving polymer flooring systems shall be thoroughly cleaned and prepared by shotblasting and/or diamond grinding. 2. Patching Damaged Substrate: Holes, voids, static cracks, and other substrate surface defects should be patched and repaired according to manufacturer's recommendations. 3. Prepare and clean control joints well and fill with an appropriate elastomeric. 3.4 Installation: A. Resinous Flooring Installation: The following are abbreviated guidelines that should provide for basic application steps for the installation of the systems. Detailed instructions should be obtained from the manufacturer. 1. Patching: After substrate preparation, surface defects shall be patched according to manufacturer's recommendations. 2. Priming: Apply aiflooring TerraPrime, 100% solids epoxy primer, at a rate of 125-150 square feet per gallon. Allow 6-12 hours (depending on temperatures) of cure before applying finish coat. Finish coat must be applied within 24 hours of TerraPrime application. 3. Finish Coat: Apply aiflooring TerraThane Satin, 90% solids polyurea topcoat, at a rate of 200 square feet per gallon. TerraGrip should be added to the TerraThane mix at a rate of 1 pint per 3 gallon kit for slip resistance. Note that TerraThane Satin must be metered out by notched squeegee prior to rolling. B. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris. 3.5 Protection: A. Protection: Protect installed product and finish surfaces from damage during construction.	3.1 Installation	A. Surface Conditions 1. Examine substrate, with installer present, for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work. Do not proceed until unsatisfactory conditions are corrected. 2. Verify that base slab meets finish and surface profile requirements in Division 3 Section "Cast-In-Place Concrete," and Project Conditions above. 3. Prior to application, verify that floor surfaces are free of construction latents. B. Application The following RetroPlate process will be followed as listed below: A concrete grinding machine must be used. Please proceed accordingly. The process is as follows: 1. Floors should be started using 50, 80 or 100 grit diamond pucks depending on the condition of the slab. 2. Clean the floor using automatic scrubber or comparable. 3. Grind floor using 200 grit resin diamonds. 4. Clean the floor using automatic scrubber or comparable. 5. Apply RetroPlate 99 to floor at 200 sq. ft. per gallon, scrubbing product into the floor and allowing product to soak until turning slick. If it becomes sticky, apply water to the surface as necessary, leaving the product on the floor for at least 60 minutes. 6. Grind floor using 400 grit resin diamonds. 7. Clean the floor using automatic scrubber or comparable. 8. Clean and remove any excess RetroPlate. Let the floor dry overnight. 9. Continue the polishing process using 800 grit resin diamonds. 10. Clean the floor using automatic scrubber or comparable. 11. Alternately, depending on slab condition, grind floor using 1200-1500 grit resin diamonds. 12. Clean the floor using automatic scrubber or comparable. 13. The same process will be used for new floors as well as rehab floors. Floor prep for the rehab floors will be separate. 14. Apply an even coat of RetroGuard Sealer with a brush, roller, or low-pressure sprayer, and when surface is dry, burnish the floor with a black burnishing pad. Apply a second coat of RetroGuard one hour after the initial application, and again burnish the floor with a black burnishing pad. 15. Do not walk on surface for 12 hours, and do not introduce any water or moisture for at least 48 hours, allowing for proper drying and setting of RetroPlate and RetroGuard. C. Start any of the floor finish applications in presence of manufacturer's technical representative. D. Sealing, Hardening and Polishing of Concrete Surface 1. Concrete must be in place a minimum of 28 days or as directed by the manufacturer before application can begin. 2. Application is to take place at least 10 days to the prior to racking and other in-store accessory installation, thus providing a complete, uninhibited concrete slab for application. 3. Only a certified applicator shall apply RetroPlate 99. Procedures must be followed as recommended by the product manufacturer and as required to match approved test sample. 4. Achieve waterproofing, hardening, dust-proofing, and abrasion resistance of the surface without changing the natural appearance of the concrete, except for the sheen. 5. Polish to a level 2 shine. E. Workmanship and Cleaning 1. The premises shall be kept clean and free of debris at all times. 2. Remove spatter from adjoining surfaces, as necessary. 3. Repair damages to surface caused by cleaning operations. 4. Remove debris from jobsite a. Dispose of materials in separate, closed containers in accordance with local regulations.	H. Accessories 1. Reinforcing bars: ASTM A615, Grade 60, deformed billet steel bars of sizes indicated. 2. Wall weeps: Dur-O-Wal D/JA 1006 "Cell Vent," clear flexible polypropylene co-polymer. 3. Compressible joint material: Dur-O-Wal "Rapid Soft-Joint" D/JA 2010. 4. Bond breaker strips: ASTM D226 No. 15 asphalt saturated roofing felt. 5. Cleaning agents: a. Face Brick and CMU: ProSoCo, Inc., "Sure Klean New Masonry Cleaners." b. ACMU: ProSoCo, Inc., "Sure Klean Burnished Custom Masonry Cleaner." 6. Expansion/Control joint sealants: Polyurethane-based, elastomeric joint sealant complying with ASTM C920 and Section 07900 requirements. Color matched to adjacent surfaces.	DIVISION 5 - METALS NOT USED GENERAL STRUCTURAL STEEL 1.1 General: Provide structural steel in accordance with the General Structural Notes and structural drawings and details. A. Standards: Materials and construction shall conform to following: 1. AISC "Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings." 2. AISC "Code of Standard Practice." 3. AWS "Structural Welding Code, D1.1-Steel." 2.1 Materials: A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required. B. Structural Shapes: ASTM A36/A36M, 36 ksi steel. C. Tubular Steel: ASTM A500, 46 ksi yield strength steel, cold-formed welded and seamless. D. Structural pipe: ASTM A53, type and grade selected by the fabricator as required for design loading, standard finish, standard weight (Schedule 40) except as otherwise indicated. E. Grout: ASTM C1107, pre-mixed, shrinkage resistant, non-metallic, non-corrosive, non-staining grout. F. Shop paint primer: Refer to Section 09900 - Paints and Coatings. G. Fabrication: Fabricate structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice." Provide welded or bolted connections in accordance with the Structural Drawings connection requirements. 1. Welding: Conform to AWS welding standards. Provide only continuous welds, spot welding is not acceptable. Grind all exposed welds smooth. 2. Splicing: Material, if spliced, shall have maximum one splice per structural member. Perform splicing by full penetration butt-welding using AWS qualified welders and welding methods. 3. Shop painting: Shop paint structural metal members, except members or portions of members to be embedded in concrete or masonry, surfaces and edges to be field welded and galvanized surfaces. Refer to Section 09900 - Paints and Coatings. 3.1 Installation: A. Erection: Erect structural steel in accordance with AISC "Specification - Structural Steel for Buildings" and "Code of Standard Practice." 1. Plumb, level and align base plates for structural members with steel shims. 2. Grout structural steel base plates solid that bear on concrete or masonry surfaces. B. Testing: When required, comply with drawings testing requirements.	DIVISION 5 - METALS NOT USED GENERAL METAL FRAMING 1.1 General: Provide cold-formed metal framing in accordance with the General Structural Notes and structural drawings and details. A. Standards: Materials and construction shall conform to following: 1. AISI S602.2-01 "Design of Cold-Formed Steel Structural Members." 2. AWS "Structural Welding Codes, D1.3-Sheet Steel." 2.1 Materials: A. Materials compliance: When requested, submit acceptable data documenting materials compliance for each type of material required. B. Load-Bearing Cold-Formed Metal Framing: ASTM A1003, Gage, Grade and Type indicated. 1. Components: Provide sizes and shapes indicated. 2. Finish: Galvanized complying with ASTM A653, minimum G60 coating. C. Fabrication: 1. Cold-formed metal framing may be prefabricated into panels before erection. Fabricate panels plumb, square, true to line and braced against racking with joints welded. a. Provide one-piece full-length cold-formed metal framing members. Splicing not permitted. 2. Attach and join other components by welding or screw fasteners, as indicated. Wire tying of framing components is not permitted. 3. Cut framing to fit squarely for attachment to perpendicular members or as required for angular fit against abutting members. Hold members securely in position until properly fastened. 4. Saw cut field cut framing. Torch cutting not acceptable. 3.1 Installation: A. Erection: Erect cold-formed metal framing members of gage and at spacing indicated on the Structural Drawings. Align and secure studs to top and bottom runner tracks by welding or screw fasteners at both inside and outside flanges. B. Tolerance Acceptance: Install cold-formed metal framing member as indicated on the plans. Install to 1/16" tolerance.	DIVISION 5 - METALS NOT USED GENERAL METAL FABRICATIONS 1.1 General: Provide metal fabrications as shown and specified. A. Submit shop drawings for the following: 1. Patio Rail systems. a. Show thickness, size, construction and manner of assembling various members, joint locations and railing layout. b. Show true profiles, connections and relationship to adjoining work and methods of anchoring. 2.1 Materials A. Materials compliance: When requested, submit acceptable data documenting materials compliance. B. Steel Shapes: ASTM A36/A36M, 36 ksi steel. C. Stainless Steel: 1. Wall: 18 gage, ASTM A167, AISI Type 304 stainless steel, No. 4 finish. D. Diamond Plate: Nominal 1/8" thick ASTM B209, Alloy 6061-T6, Aluminum Diamond Tread Plate. 1. Wall: Bright reflective finish. 2. Floor: Mill finish. E. Patio Railing System 1. Submit shop drawings including the following: a. Show thickness, size, construction and welding, as well as assembly drawings. b. Show true profiles, connections of all typical joint configurations c. Show installation (fastening) and proposed grout (non-gypsum base) d. Show gate detail and gate hardware manufacturer and model number e. Patio railing plan, with dimensions and panel assembly locations. 2. Fabrication a. Patio rails and gate shall be fabricated from steel flat bar, 3/8" x 2 1/2", grade A36. b. Corner connector angles shall be 2 1/2" x 2 1/2" x 1/4" steel L angle. c. Gate hinges shall be a self-closing, adjustable tension type. Hinge installation shall be drilled and tapped. Permanently welded are unacceptable. d. Gate stop shall have a rubber cushion stop and be affixed to the active gate. e. All corners and joints shall be seal welded and outside joints ground smooth. f. All welding spatter shall be removed before sand blasting. 3. Finish a. Patio railing shall be painted PPG Durethane, color 518-6 Knight's Armor. Refer to Section 09900 - Paints and Coatings for preparation. F. Exposed Fasteners: 1. Diamond Plate: #8 x 1" bevel headed stainless steel screw. 2. Patio Railing: a. All fasteners shall be stainless steel and powder coated to match railing sections. b. Spacer washers separating railing sections shall be 1 1/2" diameter and 1/2" thick they shall be one piece thick washers and not comprised of stacking washers c. Spacer washers shall be used on all straight sections and when railing panels join at 90 degree corner angles. G. Shop paint primer: Refer to Section 09900 - Paints and Coatings	DIVISION 5 - METALS NOT USED GENERAL MASONRY ASSEMBLIES 1.1 General: Provide unit masonry assemblies as shown and specified. A. Standards: Materials and construction shall conform to the following: 1. ACI 530.1-02/ASCE 6-02/TMS 602-02 "Specifications for Masonry Structures." 2. NCMA "TEK Bulletins." 3. BIA "Technical Notes on Brick Construction." 2.1 Materials: A. Concrete Masonry Units (CMU): Size and thickness as shown on drawings. 1. ASTM C90, load-bearing, normal weight, natural color CMU, properly cured at time of delivery, linear shrinkage not to exceed 0.065%. 2. Provide special shapes where required. 3. Provide exterior wall CMU containing an integral polymeric water-repellent admixture. a. Manufacturer: W. R. Grace "Dry-BlockR System Block Admix". B. Face Brick: 1. Manufacturer: a. Endicott, (402) 729-3315, www.endicott.com (Iron Spot Brick), or as approved by architect b. Belden Brick Company, (330) 451-2031, www.beldenbrick.com (White Brick), or as approved by architect 2. Type: "Face Brick C216" complying with ASTM C216, Grade SW, Type FBS. No efflorescence when tested in accordance with ASTM C67. 3. Size: Modular size, laying three courses to 8" vertically. 4. Color: "Alaska White Velour" or "Manganese Ironspot, Velour" as noted on Exterior Elevations 5. Provide special shapes where required. C. Mortar Materials: 1. Portland cement: ASTM C150, Type I or II, natural color. 2. 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Single Wythe masonry: Standard single 9 gage side and cross rods. H&B #220 Ladder-Mesh. 3. Anchoring devices: Provide strap anchors, inserts, bolts and rods of type and size indicated. a. CMU to CMU: Strap anchors 1/4" x 1-1/4" x 24" steel with bent ends. b. CMU to structural steel: H&B - VBT - Vee Byrne-Tie With Plain Steel (Tie) Used in Conjunction With H&B #359 Weld-on Ties (Anchor Rods). 4. Masonry Veneer To Woof Framing: H&B - DW-10HS Veneer Anchor, With Adjustable 3/16" Cold-Drawn Steel Wire Tie Sections and 14 GA. Screw-On Attachment Plate. a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners for each Attachment Plate. 5. Seismic Masonry Veneer to Wood Framing: (When Required) H&B Seismic Plate Pintle HB-2135 with HB-213 (T-Lok Tie) a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners For Each Attachment Plate. G. Concealed Masonry Through-Wall Flashing: W. R. Grace "Perm-A-Barrier" self-adhering modified bituminous sheet, 40 mils thick. 1. Termination Mastic: W.R. Grace "Bituthene Mastic." 2. Primer: W.R. Grace "Bituthene P-300 Primer." 3. Termination bars: Extruded aluminum or stainless steel, 1" wide and .098" thick pre-punched at 6" on center, secured with stainless steel drive pins.	DIVISION 5 - METALS NOT USED GENERAL MASONRY ASSEMBLIES 1.1 General: Provide unit masonry assemblies as shown and specified. A. Standards: Materials and construction shall conform to the following: 1. ACI 530.1-02/ASCE 6-02/TMS 602-02 "Specifications for Masonry Structures." 2. NCMA "TEK Bulletins." 3. BIA "Technical Notes on Brick Construction." 2.1 Materials: A. Concrete Masonry Units (CMU): Size and thickness as shown on drawings. 1. ASTM C90, load-bearing, normal weight, natural color CMU, properly cured at time of delivery, linear shrinkage not to exceed 0.065%. 2. Provide special shapes where required. 3. Provide exterior wall CMU containing an integral polymeric water-repellent admixture. a. Manufacturer: W. R. Grace "Dry-BlockR System Block Admix". B. Face Brick: 1. Manufacturer: a. Endicott, (402) 729-3315, www.endicott.com (Iron Spot Brick), or as approved by architect b. Belden Brick Company, (330) 451-2031, www.beldenbrick.com (White Brick), or as approved by architect 2. Type: "Face Brick C216" complying with ASTM C216, Grade SW, Type FBS. No efflorescence when tested in accordance with ASTM C67. 3. Size: Modular size, laying three courses to 8" vertically. 4. Color: "Alaska White Velour" or "Manganese Ironspot, Velour" as noted on Exterior Elevations 5. Provide special shapes where required. C. Mortar Materials: 1. Portland cement: ASTM C150, Type I or II, natural color. 2. Masonry cement: ASTM C91, Type indicated, natural color. 3. Aggregate: ASTM C144, clean masonry sand. 4. Water: Clean, fresh and potable. 5. Provide all exterior wall masonry mortar containing an integral polymeric water-repellent admixture. a. Manufacturer W. R. Grace, "Dry-BlockR Integral Water-Repellent Mortar Admixture". D. Unit Masonry Mortar Mixes: ASTM C270 proportions by volume. 1. Face brick: Type N mortar. 2. Dye: a. SGS #60A "White" by Solomon Grind Services (White) b. SM #750 "Silverstone" by Spec Mix (Iron Spot) E. Reinforced Unit Masonry Grout Mixes 1. Concrete fill: ASTM C94 3,000 psi concrete. F. Joint Reinforcement, Wall Ties And Anchors: Finish, ASTM A-153 hot-dip galvanized 1. Manufacturer: Hohman & Barnard, INC. 2. Horizontal joint reinforcement: Welded ladder type with matching corners and Tee units. a. Single Wythe masonry: Standard single 9 gage side and cross rods. H&B #220 Ladder-Mesh. 3. Anchoring devices: Provide strap anchors, inserts, bolts and rods of type and size indicated. a. CMU to CMU: Strap anchors 1/4" x 1-1/4" x 24" steel with bent ends. b. CMU to structural steel: H&B - VBT - Vee Byrne-Tie With Plain Steel (Tie) Used in Conjunction With H&B #359 Weld-on Ties (Anchor Rods). 4. Masonry Veneer To Woof Framing: H&B - DW-10HS Veneer Anchor, With Adjustable 3/16" Cold-Drawn Steel Wire Tie Sections and 14 GA. Screw-On Attachment Plate. a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners for each Attachment Plate. 5. Seismic Masonry Veneer to Wood Framing: (When Required) H&B Seismic Plate Pintle HB-2135 with HB-213 (T-Lok Tie) a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners For Each Attachment Plate. G. Concealed Masonry Through-Wall Flashing: W. R. Grace "Perm-A-Barrier" self-adhering modified bituminous sheet, 40 mils thick. 1. Termination Mastic: W.R. Grace "Bituthene Mastic." 2. Primer: W.R. Grace "Bituthene P-300 Primer." 3. Termination bars: Extruded aluminum or stainless steel, 1" wide and .098" thick pre-punched at 6" on center, secured with stainless steel drive pins.	DIVISION 5 - METALS NOT USED GENERAL MASONRY ASSEMBLIES 1.1 General: Provide unit masonry assemblies as shown and specified. A. Standards: Materials and construction shall conform to the following: 1. ACI 530.1-02/ASCE 6-02/TMS 602-02 "Specifications for Masonry Structures." 2. NCMA "TEK Bulletins." 3. BIA "Technical Notes on Brick Construction." 2.1 Materials: A. Concrete Masonry Units (CMU): Size and thickness as shown on drawings. 1. ASTM C90, load-bearing, normal weight, natural color CMU, properly cured at time of delivery, linear shrinkage not to exceed 0.065%. 2. Provide special shapes where required. 3. Provide exterior wall CMU containing an integral polymeric water-repellent admixture. a. Manufacturer: W. R. Grace "Dry-BlockR System Block Admix". B. Face Brick: 1. Manufacturer: a. Endicott, (402) 729-3315, www.endicott.com (Iron Spot Brick), or as approved by architect b. Belden Brick Company, (330) 451-2031, www.beldenbrick.com (White Brick), or as approved by architect 2. Type: "Face Brick C216" complying with ASTM C216, Grade SW, Type FBS. No efflorescence when tested in accordance with ASTM C67. 3. Size: Modular size, laying three courses to 8" vertically. 4. Color: "Alaska White Velour" or "Manganese Ironspot, Velour" as noted on Exterior Elevations 5. Provide special shapes where required. C. Mortar Materials: 1. Portland cement: ASTM C150, Type I or II, natural color. 2. Masonry cement: ASTM C91, Type indicated, natural color. 3. Aggregate: ASTM C144, clean masonry sand. 4. Water: Clean, fresh and potable. 5. Provide all exterior wall masonry mortar containing an integral polymeric water-repellent admixture. a. Manufacturer W. R. Grace, "Dry-BlockR Integral Water-Repellent Mortar Admixture". D. Unit Masonry Mortar Mixes: ASTM C270 proportions by volume. 1. Face brick: Type N mortar. 2. Dye: a. SGS #60A "White" by Solomon Grind Services (White) b. SM #750 "Silverstone" by Spec Mix (Iron Spot) E. Reinforced Unit Masonry Grout Mixes 1. Concrete fill: ASTM C94 3,000 psi concrete. F. Joint Reinforcement, Wall Ties And Anchors: Finish, ASTM A-153 hot-dip galvanized 1. Manufacturer: Hohman & Barnard, INC. 2. Horizontal joint reinforcement: Welded ladder type with matching corners and Tee units. a. Single Wythe masonry: Standard single 9 gage side and cross rods. H&B #220 Ladder-Mesh. 3. Anchoring devices: Provide strap anchors, inserts, bolts and rods of type and size indicated. a. CMU to CMU: Strap anchors 1/4" x 1-1/4" x 24" steel with bent ends. b. CMU to structural steel: H&B - VBT - Vee Byrne-Tie With Plain Steel (Tie) Used in Conjunction With H&B #359 Weld-on Ties (Anchor Rods). 4. Masonry Veneer To Woof Framing: H&B - DW-10HS Veneer Anchor, With Adjustable 3/16" Cold-Drawn Steel Wire Tie Sections and 14 GA. Screw-On Attachment Plate. a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners for each Attachment Plate. 5. Seismic Masonry Veneer to Wood Framing: (When Required) H&B Seismic Plate Pintle HB-2135 with HB-213 (T-Lok Tie) a. Fasteners: Self-Drilling, Self-Tapping Screws, 1-1/4" X #10, Corrosion-Resistant Coated. Provide Two (2) Screw Fasteners For Each Attachment Plate. G. Concealed Masonry Through-Wall Flashing: W. R. Grace "Perm-A-Barrier" self-adhering modified bituminous sheet, 40 mils thick. 1. Termination Mastic: W.R. Grace "Bituthene Mastic." 2. Primer: W.R. Grace "Bituthene P-300 Primer." 3. Termination bars: Extruded aluminum or stainless steel, 1" wide and .098" thick pre-punched at 6" on center, secured with stainless steel drive pins.	DIVISION 5 - METALS NOT USED</
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1.1 General: When penetration of the existing roofing system is required to accommodate new construction, perform necessary roofing system repair.

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DIVISION 8 - DOORS AND WINDOWS

SECTION 08110 - STEEL DOORS AND FRAMES

1.1 General: Tenant to provide steel doors and frames as shown and specified.

A. Standards: Materials and construction shall conform to the following:

1. ANSI A250.8-2009 "Specifications for Standard Steel Doors and Frames."
2. ANSI A250.11-01 "Erection Instructions for Steel Frames."
3. SDI 122-99 " Installation for Standard Steel doors and Frames.

B. Manufacturer: A member of the Steel Door Institute (SDI).

2.1 Materials:

A. Steel Doors:

1. Interior: Heavy-duty Level 2, physical performance B, Model 2 seamless construction, ASTM A1008, 18 gage cold-rolled steel face sheets, manufacturer's standard core.

2. Exterior: Extra heavy-duty Level 3, physical performance A, Model 2 seamless construction, ASTM A1008, 16 gage cold-rolled steel face sheets; tops and bottoms closed with flush galvanized steel caps, manufacturer's standard plastic foam insulating core.

B. Steel Frames: ASTM A1008, 16 gage cold-rolled steel.

1. Provide combination buck, jamb and trim type frames for 1-3/4" thick doors, unless otherwise indicated.
2. Interior and exterior frames: Set-up welded type with mitered corners, reinforced, fully seam welded with exposed welds ground smooth.

C. Door and frame fabrication:

1. Provide cutouts for mortised hardware, accurately located and made to fit hardware. Provide closer reinforcement for all doors with surface mounted door closers.
2. Punch frames and factory install rubber door silencers.
3. Provide minimum three anchors of suitable design for each jamb.
4. Provide floor clip on bottom of each jamb. Provide angle spreaders at bottom of each set-up frame.

D. Shop painting: Clean and paint exposed surfaces of steel door and frame units. Apply one baked-on shop coat of rust-inhibitive prime paint in accordance with ANSI A250.10, unless doors and frames are used at the restrooms or as indicated on door hardware and finish schedule. Provide a uniformly finished surface ready to receive finish paint.

3.1 Installation:

A. Install frames plumb, level, rigid, and in true alignment as recommended in ANSI A250.11.

B. Install doors plumb and in true alignment and fastened to achieve the maximum operational effectiveness and appearance as recommended in SDI 122.

NOT USED

SECTION 08410 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

1.1 General: Provide aluminum entrances and storefronts as shown and specified.

1.2 Related Documents:

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this section.

B. Standards: Materials and construction shall conform to the following:

1. AAMA SFM-1-87 "Aluminum Storefront and Entrance Manual."

1.3 Summary:

A. Section Includes:

1. Kawneer Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units.
 - a. Types of Kawneer Aluminum Storefront include:
 - (1) Trifab 601T Storefront System - 2" x 6" nominal dimension; Thermal; Center-Set
 - (2) Trifab VG 451T Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
2. Kawneer Aluminum Entrances, glass and glazing, and components
 - a. Types of Kawneer Aluminum Entrances include:
 - (1.) 500 Swing Door; Wide stile, 5" vertical face dimension, 1-3/4" depth, high traffic applications or as indicated on Drawings.
3. Kawneer Tube for Feature Exterior Slat Wall
4. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.
 - a. YKK
 - (1.) YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal
 - (2.) YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 - b. Oldcastle
 - (1) Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal
 - (2) Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 - c. US Aluminum
 - (1) Series FT601 - 2" x 6" nominal dimension; Thermal
 - (2) Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 - d. EFCO
 - (1) Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal
 - (2) Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal
 - e. Wausau
 - (1.) TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal
 - (2.) TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal

1.4 Performance Requirements:

A. General Performance: Aluminum-framed storefront system shall withstand the effects of the following performance requirements without exceeding performance criteria or failure due to defective manufacture, fabrication, installation, or other defects in construction;

1. Design Wind Loads: Determine design wind loads applicable to the Project from basic wind speed indicated in miles per hour, according to ASCE 7, Section 6.5, "Method 2-Analytical Procedure," based on mean roof heights above grade indicated on Drawings.
 - a. Basic Wind Speed (MPH): Determine to meet local codes listed on A000
 - b. Importance Factor: (1.00)
 - c. Exposure Category (A, B, C, D): Determine to meet local codes listed on A000

B. Storefront System Performance Requirements:

1. Wind loads: Provide storefront system; include anchorage, capable of withstanding inward and outward wind load design pressures meeting local codes listed on sheet A000.
2. Air Infiltration:
 - a. Air Infiltration for storefront frame system: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.06 cfm/ft. sq. at a static air pressure differential of 6.24 psf.
 - b. Air Infiltration for storefront entrances: For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 6.24 psf (300 Pa) for single doors and 1.567 psf (75 PA) for pairs of doors. A single 3'0" x 7'0" entrance door and frame shall not exceed 0.50 cfm per square foot. A pair of 6'0" x 7'0" entrance doors and frame shall not exceed 1.0 cfm per square foot.
3. Water Resistance: The test specimen shall be tested in accordance with ASTM E 331. There shall be no leakage at a minimum static air pressure differential of 8 psf as defined in AAMA 501.
4. Uniform Load: A static air design load of 20 psf shall be applied in the positive and negative direction in accordance with ASTM E 330. There shall be no deflection in excess of L/175 of the span of any framing member. At a structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.
5. Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall be not more than:
 - a. Glass to Exterior - 0.47 (low-e)
6. Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than:
 - a. Glass to Exterior - 70 frame and 69 glass (low-e)
7. Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC): When tested to AAMA Specification 1801 and in accordance with ASTM E1425 and ASTM E90, the STC and OITC Rating shall not be less than:
 - a. Glass to Exterior - 38 (STC) and 31 (OITC)

1.5 Submittals:

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of aluminum frame storefront system and storefront entrance doors indicated.
- B. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to work, operational clearances and installation details.
- C. Samples for Initial Selection: For units with factory-applied color finishes including samples of hardware and accessories involving color section.

1.6 Quality Assurance

- A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope
- B. Manufacturer Qualifications: A manufacturer capable of providing aluminum framed storefront system that meet or exceed performance requirements indicated and of documenting this performance by inclusion of rest reports, and calculations.
- C. Source Limitations: Obtain aluminum framed storefront system and storefront entrance doors through one source from a single manufacturer.
- D. Product Options: Drawings indicate size, profiles, and dimensional requirements of aluminum framed storefront system and are based on the specific system indicated. Do not modify size and dimensional requirements.
 1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

1.7 Project Conditions:

- A. Field Measurements: Verify actual dimensions of a aluminum framed storefront openings by field measurements before fabrication and indicate field measurements on Shop Drawings.

1.8 Warranty

- A. Manufactures Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty.
 1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.

2.1 Manufacturers:

- A. Manufacturer: Kawneer Company Inc., Contact: Doug Hess, Phone: 317-771-9265; email:doug.hess@arconic.com
 1. Basis-of-Design Product Storefront Framing:
 - a. Trifab 601T (thermal) Storefront System
 - i. 2" x 6" System Dimensions
 - ii. Glass: Exterior (Center-Set)
 - b. Trifab 451T (thermal) Storefront System
 - i. 2" x 4-1/2" System Dimensions
 - ii. Glass: Exterior (Front-Set)
 2. Basis-of-Design Product Storefront Entrances:
 - a. The door stile and rail face dimensions of the 500-Wide Stile entrance door will be as follows or as indicated on Drawings: Door: 500; Vertical Stile: 5"; Top Rail: 5"; Bottom Rail: 10"
 - b. Major portions of the door members to be 0.125" nominal in thickness and glazing molding to be 0.05" thick.
 - c. Glazing gaskets shall be either EPDM elastomeric extrusions or a thermoplastic elastomer.
 - d. Provide adjustable glass jacks to help center the glass in the door opening.
 3. Basis-of-Design Product Feature Exterior Slat Wall:
 - a. Kawneer Tube #0Z7881 (1" x 3"), capped at top and bottom
 - i. Alternate Exterior Slat Wall only when approved by Arch PM and Chipotle DM.
 1. Architechural Fabrication
 - B. Alternate Storefront Systems only when approved by Arch PM and Chipotle DM.
 1. YKK
 - a. YES 60 TU Storefront System - 2" x 6" nominal dimension; Thermal
 - b. YES 45 TU Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 2. Oldcastle
 - a. Series 6000XT Storefront System - 2" x 6" nominal dimension; Thermal
 - b. Series 3000 Thermal MultiPlane Storefront System - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 3. US Aluminum
 - a. Series FT601 - 2" x 6" nominal dimension; Thermal
 - b. Series FT451 - 2" x 4-1/2" nominal dimension; Thermal; Front-Set
 4. EFCO
 - a. Series 406 (T) Storefront System - 2" x 6-1/2" nominal dimension; Thermal
 - b. Series 403 (T) Storefront System - 2" x 4-1/2" nominal dimension; Thermal
 5. Wausau
 - a. TU24650 Storefront System - 2" x 6-1/2" nominal dimension; Thermal
 - b. TU24000 Storefront System - 2" x 4-1/2" nominal dimension; Thermal

2.2 Materials:

- A. Provide aluminum entrances and storefront matching the existing building aluminum entrances and storefronts, unless otherwise indicated.
- B. Aluminum Frame Extrusions: Alloy and temper recommended by aluminum storefront manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.070" wall thickness at any location for the main frame and complying with ASTM B 221: 6063-T6 alloy and temper.
- C. Aluminum Storefront Entrance Extrusions: Alloy and temper recommended by aluminum-framed glass door manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.090" wall thickness at any location for the main frame and sash members.
- D. Fasteners: Aluminum, nonmagnetic stainless steel or other materials to be non-corrosive and compatible with aluminum window and door members, trim hardware, anchors, and other components.
- E. Anchors, Clips, and Accessories: Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions, or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.
- F. Reinforcing Members: Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with ASTM B 456 for Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.
- G. Sealant: For sealants required within fabricated storefront system, provide permanently elastic, non-shrinking, and non-migrating type recommended by sealant manufacturer for joint size and movement.
- H. Tolerances: Reference to tolerances for wall thickness and other cross-section dimensions of storefront members are nominal and in compliance with AA Aluminum Standard Data.

2.3 Storefront Framing System:

- A. Thermal Barrier: Thermal Break shall be designed in accordance with AAMA TIR-A8 and tested in accordance with AAMA 505.
 1. Kawneer IsoLock Thermal Break with a 1/4" separation consisting of a two-part chemically curing, high-density polyurethane, which is mechanically and adhesively joined to aluminum storefront sections.
- B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with non-staining, nonferrous shims for aligning system components.
- C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bearing fasteners and accessories compatible with adjacent materials. Where exposed shall be stainless steel.
- D. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.
- E. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- F. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle storefront material and components to avoid damage. Protect storefront material against damage from elements, construction activities, and other hazards before, during and after storefront installation.

2.4 Glazing Systems:

- A. Glazing: As specified in Section 08800 - Glazing.
- B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, extruded EPDM rubber.
- C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.
- D. Bond-Breaker Tape: Manufacturer's standard TFE-fluorocarbon or polyethylene material to which sealants will not develop adhesion.
- E. Glazing Sealants: For structural-sealant-glazed systems, as recommended by manufacturer for joint type, and as follows:
 1. Structural Sealant: ASTM C 1184, single-component neutral-curing silicone formulation that is compatible with system components with which it comes in contact, specifically formulated and tested for use as structural sealant and approved by a structural-sealant manufacturer for use in aluminum-framed systems indicated.
 - a. Color: Black
 2. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; single-component neutral-curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural-sealant, weatherseal-sealant, and aluminum-framed-system manufacturers for this use.
 - a. Color: Matching structural sealant.

2.5 Entrance Door Systems:

- A. Entrance Door Hardware: As specified in Section 08710 Door Hardware.

2.6 Accessory Materials:

- A. Joint Sealants: For installation at perimeter of aluminum-framed systems, as specified in section 07900 - Joint Sealers

2.7 Storefront Framing Fabrication:

- A. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:
 1. Profiles that are sharp, straight, and free of defects or deformations.
 2. Accurately fit joints; make joints flush, hairline and weatherproof.
 3. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior.
 4. Physical and thermal isolation of glazing from framing members.
 5. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
 6. Provisions for field replacement of glazing.
 7. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.
- B. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.
- C. Structural-Sealant-Glazed Framing Members: Include accommodations for using temporary support device to retain glazing in place while structural sealant cures.
- D. Storefront Framing: Fabricate components for assembly using manufacturers standard installation instructions.
- E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.8 Storefront Entrance Door Fabrication:

- A. Fabricate aluminum-framed glass entrance doors in sizes indicated. Include a complete system for assembling components and anchoring doors.
- B. Fabricate aluminum-framed glass doors that are reglazable without dismantling perimeter framing.
 1. Door corner construction shall consist of mechanical clip fastening, SIGMA deep penetration plug welds and 1-1/8" long fillet welds inside and outside of all four corners. Glazing stops shall be hook-in-type with EPDM glazing gaskets reinforced with non-stretchable cord.
 2. Accurately fit and secure joints and corners. Make joints hairline in appearance.
 3. Prepare components with internal reinforcement for door hardware.
 4. Arrange fasteners and attachments to conceal from view.
- C. Weather Stripping: Provide weather stripping locked into extruded grooves in door panels or frames as indicated on manufactures drawings and details.

2.9 Aluminum Finishes:

- A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
- B. Factory Finishing:
 1. Kawneer Permafluor (70% PVDF), AAMA 2605, Fluoropolymer Coating (Color: Charcoal or as noted on Drawings)
 2. Finishing for alternate storefront specifications to be verified by Arch PM and Chipotle DM
 - a. YKK "Charcoal" UC99477, Superior Painted Finishes
 - b. All others to be verified with samples and submittals to Arch PM

2.10 Brake Metal Trim:

- A. Shop Drawings: Show layout and elevations, dimensions and thickness of panels, connections, details and location of joints, sealants and gaskets, method of anchorage, number of anchors, supports, reinforcement, trim, flashings, and accessories.
 1. Show actual field measurements on shop drawings.
 2. Differentiate between shop and field fabrication.
 3. Indicate substrates and adjacent work with which the fabrications must be coordinated.
 4. Include large-scale details of anchorages and connecting elements.
 5. Include large-scale or schematic exploded or isometric diagrams to fully explain flashing at a scale of not less than 1-1/2 inches per 12 inches (1:10)

2.11 Formed Metal Fabrications - General:

- A. Shop assembly: Preassemble items to greatest extent possible. Minimize field splices and field assembly. Disassemble only as necessary for transportation and handling. Mark items clearly for assembly and installation.
- B. Coordination: Match dimensions and attachment of formed metal items to adjacent construction. Produce integrated assemblies. Closely fit joints; align edges and flat surfaces unless indicated otherwise.
- C. Forming: Profiles indicated. Maximize lengths. Fold exposed edges to form hem indicated or ease edges to radius indicated with coealed stiffener. Provide flat, flush surfaces without cracking or grain separation at bends.
- D. Reinforcement: Increase metal thickness; use concealed stiffeners, backing materials or both. Provide stretcher leveled standard of flatness and stiffness required to maintain flatness and hold adjacent items in flush alignment.
- E. Anchors: Straps, plates and anchors as required to support and anchor items to adjacent construction.
- F. Supports: Miscellaneous framing, mounting, clips, sleeves, fasteners and accessories required for installation.
- G. Welding and brazing: Weld or braze joints continuously. Grind smooth, fill or dress to produce smooth, flush, exposed surfaces. Do not discolor metal. Grind Smooth, polish, and restore damaged finishes to required condition.
 1. Ease exposed edges to small uniform radius.
 2. Welded joints:
 - a. Carbon Steel: Perform welding in accordance with AWS D1.1/D1.1M.
 - b. Stainless Steel: Perform welding in accordance with AWS D1.6/D1.6M
 3. Brass/Bronze Brazed Joints:
 - a. Perform torch brazing in accordance with AWS C3.4M/C3.4
 - b. Perform induction brazing in accordance with AWS C3.5M/C3.5
 - c. Perform resistance brazing in accordance with AWS C3.9M/C3.9
- H. Performance requirements;
 1. Thermal Movements:
 - a. Allow for thermal movements in exterior metal fabrications due to temperature changes. Prevent buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.
 - b. Temperature Change Range: 120 degrees F (67 degrees C), ambient; 180 degrees F (100 degrees C), on material surfaces.
 2. Corrosion: Prevent galvanic action and other forms of corrosion by isolating metals and other materials from direct contact with incompatible materials.

2.12 Formed Metal Fabrications - Sheet Metal:

- A. Closures, Trim, and Fill Panels:
 1. Form Closures from type and thickness of metal indicated.
 2. Conceal fasteners when possible.
 3. Drill and tap holes for securing to other surfaces.
 4. Provide gaskets where indicated or needed for continuous seal at adjacent surfaces.
 5. Miter or cope at corners and reinforce with bent metal plate. Form high joints.
- 2.13 Materials
 - A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections exposed to view on finished units.
 - B. Galvanized Steel Sheet: ASTM A653/A653M, G90 (Z275) coating. 14 gauge min. thick base material.
 - C. Anchors, Clips, and Accessories: Use one of the following:
 1. Stainless steel complying with ASTM A276/A276M, ASTM A480/A480M, or ASTM A666.
 2. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A153/A153M.
 3. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A123/A123M Coating Grade 35
 4. Interior locations: Carbon steel; zinc coated in accordance with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn S.
 5. Exterior Locations or in contact with Stainless Steel:
 - a. Bolts: Stainless steel, ASTM F593, Group 1 (A1)
 - b. Nuts: Stainless steel; ASTM F594.
 6. Structural Anchors: Provide anchors where work is indicated to comply with design loads.
 - a. Type: Provide chemical or torque controlled expansion anchors.
 - b. Capacity: When tested according to ASTM E488/E488M; four times the load imposed when installed in concrete.
 7. Nonstructural Anchors: Provide powder-actuated fasteners where work is not indicated to comply wit design loads. Provide size and number required for load, installation, and as recommended by manufacturer, unless indicated otherwise.
 - D. Fasteners, General: Same basic metal and alloy as formed metal sheet unless indicated otherwise. Do not use metals incompatible with the materials joined.
 - E. Gaskets: As required to seal joints in decorative formed metal and remain airtight; as recommended in writing by decorative formed metal manufacturer.

2.14 Finishes

- A. Finishes, General: Comply with NAAMM AMP 500-06
 1. Complete mechanical finishes before fabrication. After fabrication, finish joints, bends, abrasions and surface blemishes to match sheet.
 2. Protect mechanical finishes on exposed surfaces from damage.
 3. Apply organic and anodic finishes to formed metal after fabrication unless indicated otherwise.
 4. Appearance: Limit variations in appearance of adjacent to one-half the range represented in approved samples. noticeable variations in the same piece are not acceptable. Install components in the range of approved samples to minimize contrast.
- B. Galvanized Steel Finishes:
 1. Repair Galvanized Surfaces: Clean welds and abraded areas and repair galvanizing to comply with ASTM A780/A780M
 2. Color: As shown on the drawings.
 3. Factory Prime: Apply shop primer to prepared surfaces of items where field painting after installation indicated, unless indicated otherwise. Comply with requirements in SSPC-PA1
 4. High Performance Organic Coatings: AAMA 2604; multiple coats, thermally cured fluoropolymer system.

3.1 Examination:

- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight framed aluminum storefront system installation.
 1. Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction debris.
 2. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches of opening.
 3. Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag; without sharp edges or offsets at joints.
 4. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 Installation:

- A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum framed storefront system, aluminum swing storefront entrance doors, accessories, and other components.
- B. Install aluminum framed storefront system and storefront doors level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
- C. Set sill members and door threshold in bed of sealant or with gaskets, as indicated, for weather tight construction.
- D. Install aluminum framed storefront system and components to drain condensation, water penetrating joints, and moisture migrating within sliding door to the exterior. Refer to section 07900 - Joint Sealers.
- E. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.
- F. Install aluminum storefront framing system glass and glazing, in accordance with section 08800 and the manufacturer's requirements.

3.3 Adjusting, Cleaning, and Protection:

- A. Clean aluminum surfaces immediately after installing aluminum framed storefronts. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.
- B. Clean glass immediately after installation. Comply with glass manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean surfaces.
- C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.

NOT USED

SECTION 08410 - ALUMINUM WINDOW

1.1 General: Provide door hardware as shown and specified.

A. Standards: Materials and installation shall conform to the following:

1. ASTM A240 - Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels.
2. ASTM A653 - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
3. ASTM B209 - Aluminum and Aluminum-Alloy Sheet and Plate.
4. ASTM B221 - Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
5. ASTM B580 - Standard Specification for Anodic Oxide Coatings on Aluminum.
6. ASTM B680 - Standard Test Method for Seal Quality of Anodic Coatings on Aluminum by Acid Dissolution.
7. ASTM C1048 - Heat-Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass.
8. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass.
9. ASTM E774 - Standard Specification for Sealed Insulating Glass Units.
10. Aluminum Association AA DAF-45 - Designation System for Aluminum Finishes.

B. Quality Assurance:

1. Manufacturer Qualifications: Minimum of 25 years successful experience continuously manufacturing pass-thru windows.
2. Installer Qualifications: Installer shall have five years experience manufacturing and fabricating windows of similar type and scope as those specified in this section.

2.1 Materials:

- A. Acceptable Manufacturers. Arch PM to verify required manufacturer per Tenant's assignment.
 1. Quikserv; Toll Free: 1.800.388.8307; Email: sales@quikserv.com; Web: https://www.quikserv.com/
 2. ReadyAccess; Toll Free: 1.800.621.5045; Email: ready@ready-access.com; Web: https://www.ready-access.com
- B. No substitutions allowed. Requirements for manufacturer, design, grade, function, finish, size and other distinctive qualities of each type of door hardware are indicated on the drawings.

Consultant:

R/A

RedArchitecture

589 W. NATIONWIDE BLVD. SUITE B
COLUMBUS, OHIO 43215 (614) 487-8770

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OCOEE, FL 32703

Issue Record:	
03/20/2024	PERMIT SET
06/05/2024	BID SET

2.2 In-Line Side Sliding Automatic Window and Air Curtain

- A. Standard Custom Side Sliding Windows – Arch PM to verify manufacturer with Tenant.
- a. GC to use specification called out on storefront details sheet and/or as directed by Tenant Arch PM.
- * Quikserv Custom Automatic Side Sliding Window (Model: SST-4035E-CHIPOTLE): 45-1/2"W x 41-3/4"H window with 17-3/4" tall transom and (2) sidelights at 29 1/4"W x 41-3/4"H; Complete Unit Size 104"W x 59-1/2"H
1. Service Opening: 19"W x 29-3/4"H
2. Finish: Dark Bronze Anodized
3. Glass: 1" Clear Tempered unit + Low E (Solarban 60e) for fixed and moving panel, sidelights and transom
4. 'CHIPOTLE' package includes pre-wired air curtain with relay to sync operation with window.
- a. Arch PM to verify if heated or ambient air curtain is required per Tenant assignment. Air Curtain mounts to transom.
- i. Heated Air Curtain: Model: QSV1025EJ-040-BK
- ii. Ambient Air Curtain: Model: QSK1025AA-BK
5. Refer to interior elevations (A700s) for direction of opening for ordering.
- * ReadyAccess Automatic Side Sliding Window: 47-1/2"W x 43-1/2"H window with 16" tall transom and (2) sidelights at 28 1/4"W x 59-1/2"H; Complete Unit Size 104"W x 59-1/2"H
1. Service Opening: 19"W x 35"H
2. Finish: Dark Bronze Anodized
3. Glass: 3/4" Clear Tempered unit + Low E (Solarban 70XL) for fixed & moving panel, sidelights and transom
4. Arch PM to verify if heated or ambient air curtain is required per Tenant assignment.
- a. Heated Air Curtain: Model: AA300 (replaces transom)
- b. Ambient Air Curtain: Model: AA100 (split transom)
5. Refer to exterior elevations (A300s) for direction of opening for ordering.
- B. Alternate California Code Option

1. ReadyAccess: Window 47-1/2" W x 35-3/4"H with double-split transom for air curtain and 10" and (2) sidelights at 28-1/4"W x 59-1/2"H; Complete Unit Size 104"W x 59-1/2"H
- a. Service Opening: 15-1/4"W x 28"H, limited to meet CA code.
- b. Ambient Air Curtain, AA100, and relay switch kit included with the West Coast Window package.

2. Quikserv Model: SS-4035-E-CHIPOTLE-CALI, same as above except as noted.
- a. Service Opening: 28"W x 15-3/8"H, limited to meet CA code.
- b. 'CHIPOTLE' package includes pre-wired ambient air curtain with relay to sync operation with window Model: QSK1025AA-BK. Air curtain mounts to transom.

C. Alternate Impact-Resistant and Florida Product Approved Option, Miami Dade Horizontal Bi-Parting Impact Slider

1. Quikserv Model: BP-7241E-IP-CHIPOTLE, Complete Unit Size: 72"W x 41"H.
- a. Service Opening: 29-1/2"W x 27"H
- b. Rough Opening: 72-1/2"W x 41-1/2"H
- c. Glass: Impact Resistant Glass
- d. 'CHIPOTLE' package includes ambient air curtain
- i. Ambient Air Curtain: Model: QSK1025AA-BK, Part Number: 9345.
- ii. Do not mount directly to window, mount on wall above.
- e. Miami-Dade NOA #18-0814.02

2.3 Electrical Requirements

- A. Quikserv Electrical Windows: 120V / 60 Hz, 20-amp branch circuit, single phase. Power supplied through base of window. Conforms to UL Standard 325 – Certified to CAN/CSA C22.2 NO. 247. Confirm with Electrical Drawings.
1. Heated Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE)
- a. Separate 208V circuit and Power Supply required for heated air curtain. Air curtain pre-wired through window frame with power supply routed to base of window. Confirm with Electrical Drawings.
2. Ambient Air Curtain for Custom Side Sliding Window (Model: SS-4035-E-CHIPOTLE) and Alternate California Code Option: Model: SS-4035-E-CHIPOTLE-CALI
- a. Separate circuit not required. Window pre-wired to power and sync operation with air curtain.
3. Ambient Air Curtain for Alternate Impact-Resistant and Florida Product Approved Option (Model: BP-7241E-IP-CHIPOTLE):
- a. Connect to main control board on window to power and synchronize operation with opening and closing of window.
- B. ReadyAccess Electrical Windows: 115V / 60 Hz, 15-amp dedicated circuit required. Run power to header on fixed panel side.
1. AA300 Heated Air Curtain
- a. Separate 208V / 60 Hz /40-amp single phase circuit required.
2. AA100 Ambient Air Curtain (Standard and CA window)
- a. Separate 120V / 60Hz / 15-amp single phase circuit required. Run power to center of window above header.

3.1 Installation

- A. Install in accordance with manufacturer's instructions.
- B. Install pass-thru windows plumb, level, square, true to line, and without warp or rack. Maintain dimensional tolerances and alignment with adjacent Work.
- C. Install thermal isolation where components penetrate or disrupt building insulation. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- D. Install pass-thru window components weathertight.
- E. Anchor pass-thru windows securely in place to supports. Use attachment methods permitting adjustment for construction tolerances, irregularities, alignment, and expansion and contraction.
- F. Separate aluminum from other metal surfaces with bituminous coatings or other means approved by Architect.
- G. Coordinate installation of related sheet metal flashing as specified in Section 07 62 00 - Sheet Metal Flashing and Trim.
- H. Install perimeter joint sealants as specified in Section 07 91 23 - Backer Rods.

SECTION 08710 - DOOR HARDWARE

1.1 General: Provide door hardware as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
1. ANSI A117.1: 2009 Accessible and Usable Buildings and Facilities.
2. ANSI/BHMA A156 Series Builders Hardware
- B. Quality Assurance:
1. Codes and standards: Provide hardware complying with local Building Code requirements and the Tenant's standards for keying and security systems.
2. Project scheduling: Performed by an Architectural Hardware Consultant (AHC).
3. Package each item of hardware and each lockset, complete with all screws, anchors, installation instructions and templates. Identify package indexing with corresponding item number of the hardware schedule.
4. After hardware schedule acceptance, provide necessary templates or physical hardware to required trades for cutting, reinforcing, or preparing their products to receive hardware. Furnish templates to metal door manufacturer's.
- 2.1 Materials:
- A. No substitutions allowed. Requirements for manufacturer, design, grade, function, finish, size and other distinctive qualities of each type of door hardware are indicated on the drawings.
- B. Review the keying system with the Tenant and provide the type required.
- 3.1 Installation
- A. Install each hardware item in strict accordance with manufacturer's installation instructions and recommendations. Securely fasten all attached parts. Fit faces of mortised parts snug and flush. Verify operating parts move freely and smoothly without binding or sticking, without excessive clearance.
- B. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as required for proper installation and operation. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

- C. Mount hardware units at heights indicated in DHI "Recommended Locations for Builders Hardware", unless otherwise required to comply with requirements of governing codes and regulations. Conform to ANSI A117.1 and ADAGG guidelines for accessibility.
1. Top Butts: 5 inches; top of butt from head of frame.
2. Middle Butts: 3'-2", centerline from finish floor.
3. Bottom Butts: 5 inches; finish floor to bottom of butt.
4. Locks: centerline from finish floor per hardware schedule.
5. Knobs: 3'-2", centerline from finish floor.
6. Pulls: centerline from finish floor per hardware schedule.
7. Pushes: centerline from finish floor per hardware schedule.

NOT USED

1.1 General: Provide glass and glazing as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
1. CPSC 16 CFR Part 1201 (1-91)"Safety Standard for Architectural Glazing Materials."
2. GANA "Glazing Manual" - 1990."
- B. Quality Assurance:
1. Codes and standards: Provide type of glass and glazing products that comply with ANSI Z97.1 and testing requirements of 16 CFR Part 1201 for category II materials. Comply with all applicable codes, standards and regulations that control safety glazing materials and installation.
2. System Performance: Provide glass and glazing that has been produced, fabricated and installed to withstand normal thermal movement, wind loading and, where applicable, impact loading, without failure including loss or breakage of glass, failure of glazing sealants or gaskets to remain watertight and airtight, deterioration of glass and glazing materials and other defects in the work.
3. Installation: Performed only by experienced glaziers.
- C. Warranty:
1. Insulating glass: Five years from date of installation against defects that materially obstruct vision through the glass or affect thermal and physical integrity.
- 2.1 Materials:
- A. Glass:
1. Float Glass (FG): 1/4" thick clear float glass.
2. Tempered Glass (TG): 1/4" and 1/2" thick clear, tempered safety glass, free-of-tong marks.
3. Insulating Glass (IGL): 1" thick clear, low-e tempered sealed glass; 1/4" thick interior and exterior glass lites with 1/2" aluminum desicated dual sealed air space; with the following characteristics:
- a. Low-emissivity coating on #2 surface.
- b. Visible Light Transmittance: 64% - 70%
- c. Visible Light Reflectance - Outdoors: 9%-11%
- d. Solar Energy Transmittance: 32%-34%
- e. Solar Energy Reflectance-Outdoors: 30%-34%
- f. U-Value - Winter Night: 0.29
- g. U-value - Summer days: 0.28
- h. Solar Heat gain Coefficient: 0.25-0.39
- i. Shading Coefficient: 0.43-0.45
- j. Manufacturers/Products:
- i. AGC/Comfort Ti-AC40, or similar to meet code
- ii. Sun Guard/SN-68, or similar to meet code
- iii. PPG/Solarban 60, or similar to meet code
- iv. Viracron/VE1-2M, or similar to meet code
4. Spandrel Glass (SG) 1/4" thick, Spandrel Ceramic Glass, (Color: Gray/black or as noted on drawings) by Old Castle Building Envelope (419) 666-2000, Contact: Doug Dewar
5. Frosted Window Film, 3M Dusted Crystal Translucent Window Film. Apply on the interior side of glazing.
- B. Glazing Materials:
1. Glazing Sealants: Provide elastomeric glazing sealants suitable for applications indicated; compatible with one another and with other materials they will contact, complying with ASTM C920.
2. Glazing Tape: Provide preformed, non-staining and non-migrating elastomeric tape, as recommended by tape and glass manufacturers for application indicated, complying with ASTM C 1281.
3. Glazing gaskets: Provide manufacturer's standard snap-on aluminum stops and neoprene, vinyl or EPDM glazing gaskets.
4. Provide setting blocks, spacers and edge blocks of material, size, and shape complying with referenced glazing standard, and compatible with surfaces contacted in installation.
- C. Fabrication: Factory fabricate and size all glass.

3.1 Installation

- A. Preparation:
1. Field verify measurements and conditions of installation.
2. Examine all details. Provide proper fitting to details indicated.
3. Glazing channel dimensions shown are intended to provide for necessary bite on glass, minimum edge clearance and adequate glazing materials thickness, with reasonable tolerances. Adjust as required by job conditions at time of installation.
- B. Install glass and glazing in accordance with the GANA "Glazing Manual" and glass manufacturer's recommendations.
1. Install insulating glass units to comply with recommendations by Sealed Insulating Glass Manufacturers Association (SIGMA).
- C. Install setting blocks of proper size at quarter points of sill rabbet. Provide spacers as required.
- D. Install glazing sealants, tapes and gaskets in accordance with manufacturer's recommendations. Set glass without springing and install securely to prevent rattling or breakage.
- E. Protect glass from breakage during remaining construction. Do not remove non-permanent labels until final acceptance.

DIVISION 9 – FINISHES

SECTION 09260 - GYPSUM BOARD SYSTEMS

1.1 General: Provide gypsum board systems as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
1. GA 214-90 "Levels of Gypsum Board Finish."
2. GA-216 "Specifications for Application and Finishing of Gypsum Board."
3. USG "SA923 Drywall/Steel Framed Systems."
- 2.1 Materials:
- A. Manufacturer: United States Gypsum Co. (USG), (800) 874-4968, internet www.usg.com.
- B. Metal framing: Comply with ASTM C 754 and ASTM C 645 for materials and sizes.
1. Partition metal framing
- a. Studs: Galvanized steel, C-shaped, sizes indicated, 20 gage "S720"
- b. Runners: Match studs, type recommended by stud manufacturer for floor and ceiling support of studs. Provide flexible ceiling runners for full height metal stud framed partitions continuous from floor to underside of structural members or deck above.
- C. Ceiling and Soffit metal framing/suspension systems:
1. Small areas: Metal stud framing of appropriate size and gage for spans indicated.
2. Large areas: Furring channel "Grillage" or "Direct Suspension System" designed for concealed support of gypsum board ceilings, of proper type for use indicated.
3. Furring members: 20 gage, galvanized steel screw type, hat-shaped furring.
- D. Gypsum board panels: USG "Sheetrock" complying with ASTM C1396, tapered edge face panels, 48" wide, in maximum lengths available to minimize end joint conditions, 5/8" thick.
1. General use panels: Sheetrock Regular panels.
2. Fire rated panels: Sheetrock Firecode Core panels.
3. Water-resistant panels: Sheetrock HUMITEK panels.
- E. Cement board: USG DUROCK Cement Board, 5/8" thick x manufacturer's standard width, complying with ANSI A118.9, and in maximum lengths available to minimize end-to-end butt joints.

- F. Fasteners: USG Type "S" bugle head screws for metal framing, USG Type "W" bugle head screws for wood framing, manufacturer's recommended length for panel thickness indicated.
- G. Trim: Galvanized steel with knurled and perforated flanges. USG Dur-A-Bead corner bead, No. 2008 casing bead metal trim, No. 093 Control Joint.
- H. Joint treatment: USG Joint Treatment System, utilizing "Sheetrock Brand Joint Tape", and "Sheetrock Brand Setting-Type (DURABOND)" compound for tape bedding and topping.
- I. Adhesives: USG "Sheetrock Brand Setting-Type (DURABOND) 210 or 90" compound for tape bedding and topping.
- J. Acoustical sealant: USG Sheetrock Acoustical Sealant, water-base type, gunnable sealant for sealing sound-rated gypsum board systems.
- K. Sound attenuation insulation: USG Thermafiber unfaced 3-1/2" thick, mineral fiber insulating batts/blankets; standard lengths and widths required to coordinate with spaces insulated.

3.1 Installation

- A. Install metal wall and partition framing and ceiling suspension/ support systems in accordance with USG Bulletin SA 923 and complying with ASTM C754.
1. Ceiling suspension/ support systems: Metal furring system/direct suspension or steel stud framing system.
2. Wall and partition framing:
- a. Install steel studs per schedule or at spacing indicated with bottom and top runner tracks anchored to substrates. Provide flexible ceiling runner tracks at full height partitions.
- b. Terminate partition stud system 4" above ceilings, except where indicated to be extended to structural support or roof deck above. Brace tops of partition framing to structure or roof deck at maximum 4'-0" on center spacing.
- c. Frame openings more than 2'-0" wide with two 20 gage studs at each jamb.
- d. Coordinate the installation of supplementary blocking and nailers, provided under Section 06100 work, to support shelving, millwork, toilet accessories, and similar work that cannot be adequately supported by gypsum board alone.
- B. Application and Finishing: Install and finish gypsum board to comply with ASTM C 840 and Gypsum Association GA 216 "Recommended Specifications for the Application and Finishing of Gypsum Board."
1. Screw fasten all gypsum board panels.
2. Metal Trim: Install metal corner beads at external corners of gypsum board work and metal trim wherever edge of gypsum board would be exposed. Use longest practical lengths.
3. Control Joints: Locate and install control joints in accordance with USG Bulletin SA923 "Good Design Practice" recommendations.
- C. Acoustical Treatment:
1. Where sound-attenuation insulation is indicated, seal gypsum board construction at perimeters, control joints, junction boxes, openings and penetrations with a continuous bead of acoustical sealant including a bead at both faces of partitions.
2. Install sound attenuation insulation at scheduled partitions and ceilings. Install insulation in single layer of required thickness. Extend full thickness over entire area to be insulated. Cut and fit tight around obstructions. Fill all voids.
3. At openings and cutouts, fill open spaces between edges of gypsum board and fixtures, cabinets, ducts, and other flush or penetrating items, with continuous bead of acoustical sealant.
4. Seal sides and backs of electrical boxes to completely close up openings and joints with a bead of acoustical treatment.
- D. Finishing:
1. Comply with manufacturer's instructions for mixing, handling, and application of materials. Apply treatment at joints both directions, at flanges of trim accessories, penetrations of gypsum board (electrical boxes, piping, and similar work), fastener heads, surface defects, and elsewhere as indicated. Apply in manner that will result in each of these items being concealed when applied decoration has been completed.
2. Apply joint tape at joints between gypsum boards, except where trim accessories are indicated.
3. Interior Exposed Gypsum Board Finish: Level 5 Finish.
- a. Locations: Typical for all walls and ceilings, unless otherwise indicated
- b. Finish interior gypsum board by applying the following joint compounds in four coats (not including prefill of openings in base), and sand between coats and after last coat:
- c. Embedding and First Coat: Setting-type joint or taping compound.
- d. Fill (Second) Coat: Setting-type topping compound.
- e. Fill (Third) Coat: Setting-type topping compound.
- f. Finish (Fourth) Coat: Skim coat entire surface.
4. Interior Concealed Gypsum Board: Level 3 Partial Finishing.
- a. Finish concealed gypsum board construction that requires finishing same as exposed gypsum board construction, except the third coat and sanding can be omitted.
- E. Cement Board: Install cement board as a 16" high base at all kitchen and kitchen cook line wall types as indicated on drawings.

SECTION 092816 - GLASS-MAT FACED GYPSUM BACKING BOARDS

1.1 General: Provide Fiberglass-mat faced, moisture resistant gypsum backer board as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
1. ASTM C840 Standard Specification for Application and Finishing of Gypsum Board.
2. ASTM C1002 Standard Specification for Steel Self Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs
3. ASTM C1178 Standard Specification for Glass Mat Water-Resistant Gypsum Backing Panel
4. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
5. ASTM D6329 Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers.
6. ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
7. Tile Council of North America, Inc. (TCNA): TCA Handbook for Ceramic Tile Installation, Current Edition.

2.1 Materials:

- A. Manufacturer: Georgia-Pacific Gypsum LLC, (800) 225-6119, internet: www.buildgp.com
- B. Fiberglass-Mat Faced Gypsum Backing Board: DensShield Fireguard Tile Backing Board complying with ASTM C1178, Type X, Square edges, 4' wide in maximum lengths available to minimize end joint conditions, 5/8" thick. Surfacing: Coated fiberglass mat on face, back and long edges.
1. General use panels: 5/8" DensShield Fireguard Tile Backer, Georgia-Pacific Gypsum.
- C. Fasteners: Screws meeting ASTM C1002, with corrosion resistant treatment. Size and type per manufacturer's recommendations:
1. Walls (Steel Frame): Bugle head, fine thread, sharp point rust resistant drywall screw
2. Walls (Walls Frame): Bugle head, coarse thread, sharp point rust resistant screw
- D. Metal Framing, Trim, joint treatment, adhesives, acoustical sealant, and sound attenuation insulation: Refer to Section 09260 Gypsum Board Systems
- 3.1 Installation
- A. Install DenShield at all tile walls excluding hood area as indicated on drawings.
- B. General: Install in accordance with ASTM C840, manufacturer's recommendations and TCA Handbook for Ceramic Tile Installation.
1. Manufacturers Recommendations: refer to Current "Product Catalog", Georgia Pacific Gypsum.
- a. Attach DensShield Tile Backer with grey side facing the interior. Tile should be applied on the grey coated side of DensShield Tile Backer. Cut panel to required size and make cutouts. Fit ends and dges closely. Do not leave gaps between panels.
- b. DensShield Tile Backer may be cut by using a utility knife to score, then snap, working from the grey face side.
- c. For walls, when used as a tile substrate a minimum 20-gauge steel or wood framing should be spaced no greater than 24" o.c. for 5/8" DensShield Tile Backer. Board can be applied horizontally or vertically.
- d. Fasteners shall be spaced 6" o.c. for walls for wood and steel framing. Do not countersink. Drive fasteners flush with grey coated surface. See manufacturer installation Fastener Guide for proper selection.
- e. In all corners, imbed with a bead of flexible sealant when installing panels into corner. Apply self-adhesive 2" wide fiberglass mesh tape and bed tape on all joints and corners with material used to set tiles.
- f. Caulk or seal fixture/plumbing penetrations and abutments to dissimilar materials.
- g. Do not use all purpose joint compound or tape in wet areas.
- h. Do not apply DensShield Tile Backer directly to concrete or masonry block. Framing or furring of the walls is necessary.
- i. DensShield Tile Backer should not be used for exterior installations.
- j. DensShield Tile Backer panels should not be used as a base for nailing and mechanical fastening.
- k. DensShield Tile Backer has a built in moisture barrier. Never install vapor retarders directly behind DensShield Tile Backer panels. In retrofit applications, some paints or other wall coverings may constitute a vapor barrier; remove or effectively penetrate these coverings prior to installing DensShield Tile Backer panels.
- C. Refer to Section 09260 Gypsum Board Systems for additional installation and sound treatment instructions

SECTION 09330 - QUARRY TILE

1.1 General: Provide quarry tile flooring and base as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
1. ANSI A137.1 "Ceramic Tile."
2. TCA "Handbook for Ceramic Tile Installation."
- 2.1 Materials:
- A. Manufacturers:
1. Quarry Tile: Daltile, (877) 556-5728, internet: http://daltile.com
- a. For ordering purposes, email all orders to chipotle@daltile.com
2. Waterproofing, Setting and Grouting Materials:
- a. Setting and Grouting Materials and Tile Base Membrane: Mapei
- i. For ordering purposes, email all orders to chipotle@daltile.com
- ii. For technical questions, contact Mapei, (800) 992-6273, internet: www.mapei.com

- B. Quarry Tile: Daltile 6" x 6" x 1/2" Quarry Textures with 5" base as scheduled on finish plan and appropriate trim; Color: "Ashen Gray" 0703
1. Entire Kitchen Area: Provide non-abrasive finish quarry tile.
2. Rest Rooms: Provide non-abrasive finish quarry tile.
3. Outside Corner Cove Base (Kitchen): HQC-(L or R)-3565 5" x 6"
4. Inside Corner Cove Base: #QB-3565 1" x 5"
5. Bullnose Coveless Base: HQ-1665, 6" x 6"
6. Bullnose Corner Coveless Base: #QCR1-1665, 6" x 6"
- C. Waterproofing for elevated floor slabs: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane
- D. Setting Adhesive: Mapei, Ultraflex 3, Color: Gray
- E. Grout: Mapei, Kerapoxy IEG CQ, Color: #9, "Gray", 1/4" grout joints.
- F. Quarry Tile Base Membrane: Mapei, Mapelastic AquaDefense, Premium Waterproofing and Crack Isolation Membrane

3.1 Installation

- A. Preparation: Clean substrate surfaces, scheduled to receive quarry tile, thoroughly and remove all coatings that may impair bond.
1. Center tile fields both directions in each floor area. Adjust layout to minimize tile cutting. Avoid tile less than one-half size. Locate cuts to be least conspicuous.
2. Maintain units uniformly "in plane." Provide straight, uniform joint widths and grout lines.
- B. Elevated Floor Slabs: Install waterproofing membrane at elevated floor slab surfaces scheduled to receive quarry tile floor finish. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
1. Extend waterproofing up vertical wall surfaces minimum 10" high.
2. Extend membrane down into floor drain flanges to assure continuous waterproofing at drainage points.
- C. Wet Areas: Install waterproofing membrane at all quarry tile wall base. Install membrane materials in accordance with manufacturer's installation instructions to produce a waterproof membrane of uniform minimum 30 mil thickness bonded securely to substrate.
1. Extend waterproofing up all vertical wall surfaces receiving quarry tile base minimum 10" high. Extend waterproofing membrane 10" minimum horizontally from all vertical wall surfaces receiving quarry tile base.
- D. Installation: Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
1. Floors: Latex-portland cement mortar on concrete; TCA detail F113 and ANSI A108.5, grout ANSI A108.10.
2. Base: Latex-portland cement mortar on cement board.

SECTION 09340 - CERAMIC TILE

1.1 General: Provide ceramic wall tile as shown and specified.

- A. Standards: Materials and installation shall conform to the following:
1. ANSI A137.1 "Ceramic Tile."
2. TCA "Handbook for Ceramic Tile Installation."
- 2.1 Materials:
- A. Manufacturers:
1. Ceramic Tile and Accent Tile: Daltile, P: (877) 556-5728, internet: http://daltile.com
- a. For ordering purposes, email all orders to chipotle@daltile.com
- B. Ceramic Tile:
1. Kitchen Tile, or as noted in plans, Series - Finish Line Glazed Ceramic Tile:
- a. Color - White FL90, Semi-Gloss, Size - 4 x 16, Pattern - Stacked Bond
2. Accent Tile, Series - Color Wheel Glazed Ceramic
- a. Color - Chipotle Brick Metallic 1.0 #9999710686, Size - 3 x 12, Pattern - Stacked Bond
- b. Alternate Accent Tile only when approved by Arch PM and Chipotle DM
- i. Series - Remedy, Color - Alchemy RD25, Size - 2 x 9, Pattern - Stacked Bond
- ii. Series - Marrazzi, Color - Artesen AT25, Size - 2 x 4, Pattern - Brickjoint Mosaic
- C. Setting Adhesive: Thinset Mortar, Mapei, Ultraflex LFT - Gray
- D. Grout:
1. Kitchen Tile or as noted in plans
- a. Mapei, Series - Flexcolor CQ - Gray #09, 1/8" grout joints.
2. Accent Tile
- a. Mapei, Series - Flexcolor CQ - Chocolate #07, 1/8" grout joints.

3.1 Installation

- A. Preparation: Clean substrate surfaces scheduled to receive ceramic tile thoroughly and remove all coatings that may impair bond.
1. Protect surrounding work from damage.
2. Remove any curing compounds or other contaminants.
3. Vacuum clean surfaces and damp clean.
4. Install cementitious backer board or glass-mat faced gypsum backing board as indicated in drawings in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.
5. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.
- B. Kitchen:
1. Install, grout and clean ceramic tile in accordance with referenced TCA installation details and ANSI standard specifications for setting methods scheduled.
2. Lay tile in horizontal stack bond, following detail drawings for layout considerations. Horizontal rows of tile shall be full-height courses, unless noted otherwise.
3. Arrange pattern so that a full tile or joint is centered on each wall horizontally and that no tile less than 1/2 width is used at the ends of the wall. Exception: when one end of the wall is a tile-to-gypsum board transition. Do not interrupt tile pattern through openings.
4. Use specified stainless steel corner guards at tile-to-tile and tile-to-FRP outside corners.
5. Use corner bead of 100% silicone sealant, color to match grout, at inside corners where tile meets tile.
6. Use corner bead of 100% silicone sealant, white, at inside corners where tile meets paint gyp. board, tile meets FRP or tile meets aluminum.
7. Cut and fit tile to penetrations through tile, leaving sealant joint space. Place tile joints uniform in width, subject to variance in tolerance allowed in the tile. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
8. Sound tile after setting. Replace hollow sounding units.
9. Keep expansion joints free of adhesive or grout. Allow tile to set for a minimum of 48 hours prior to grouting. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes. Refer to section 07900 Joint Sealers.
10. Clean tile and grout surfaces.

Consultant:

R/A

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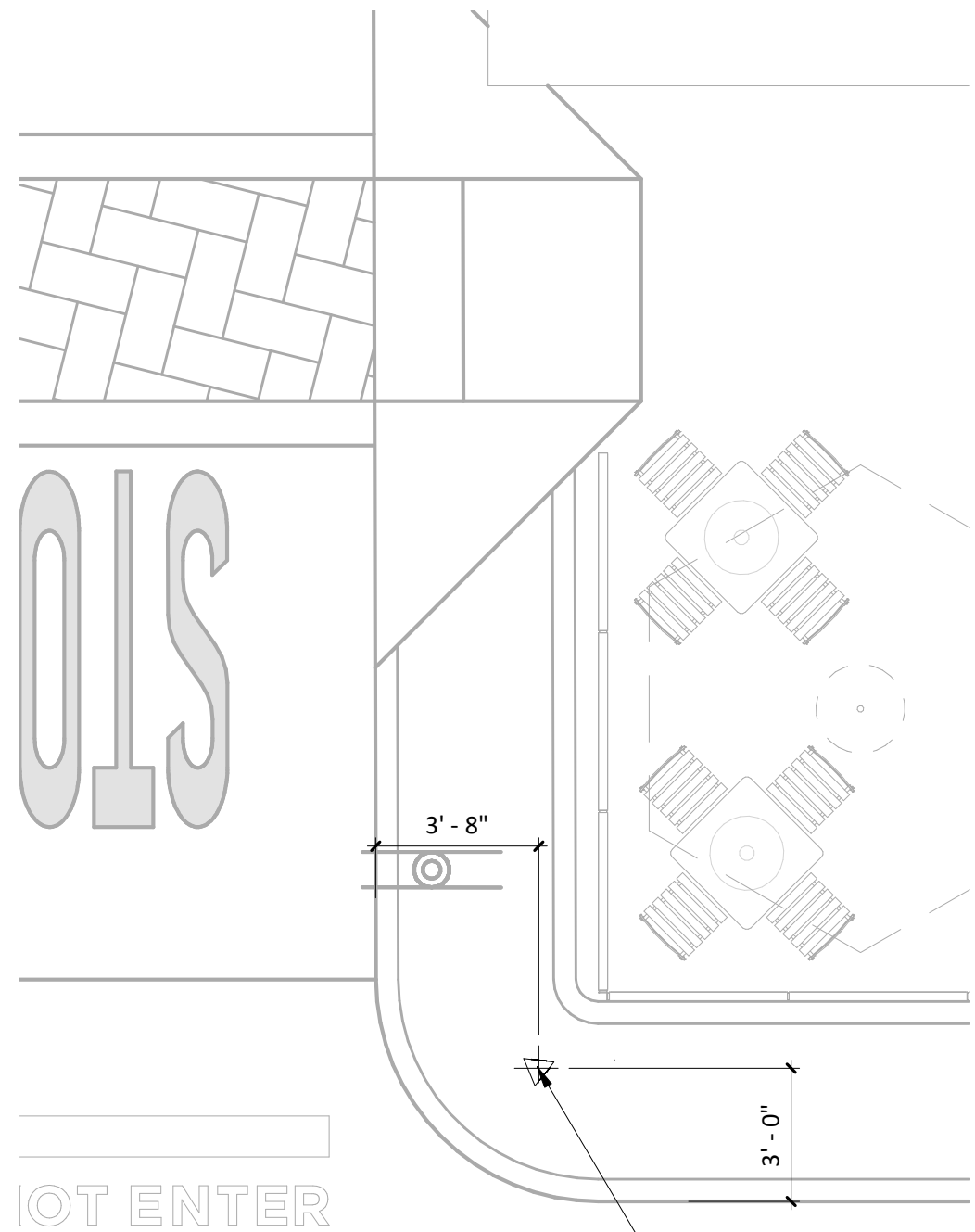
Project No:

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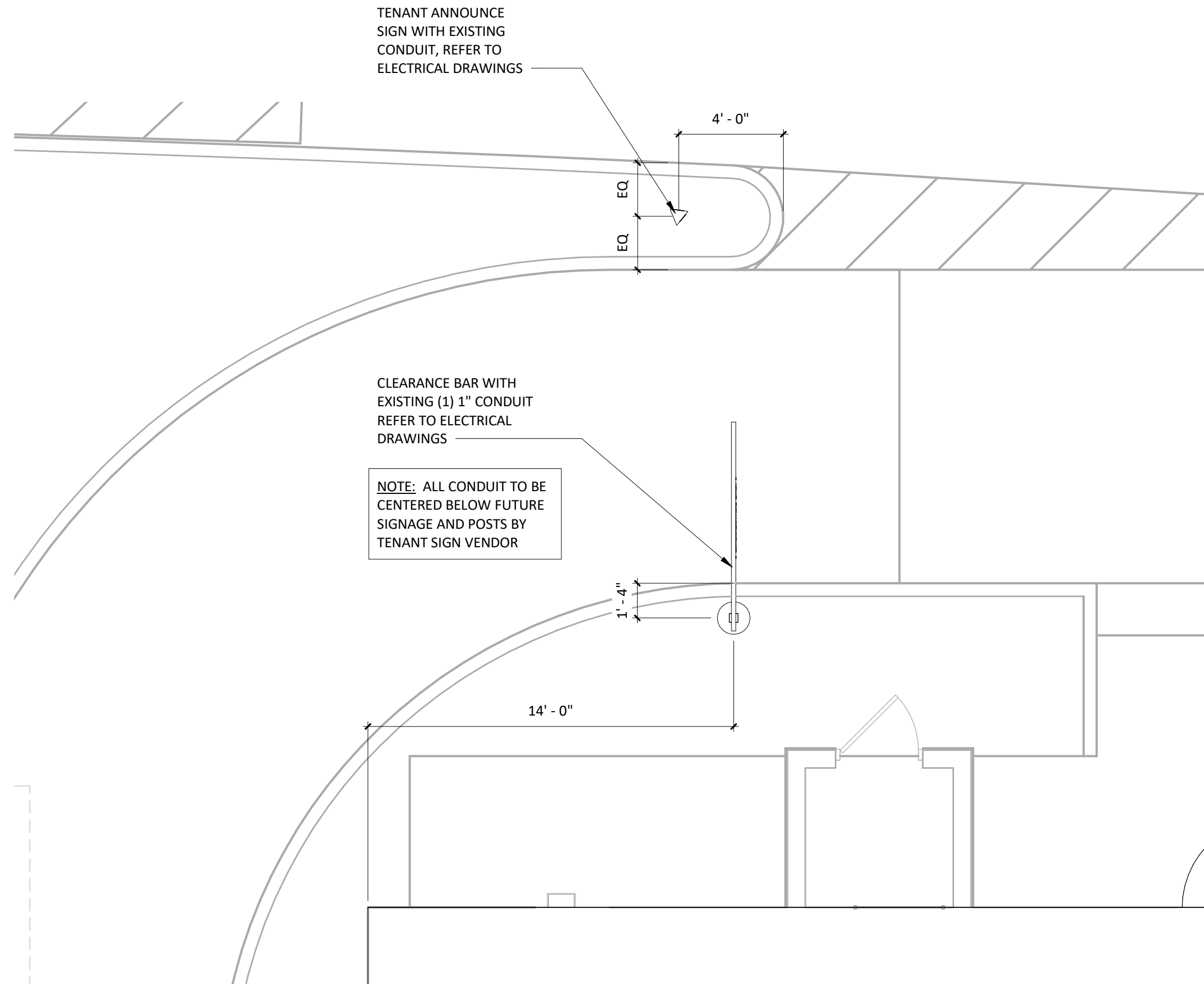
G015



TENANT ANNOUNCE SIGN WITH EXISTING CONDUIT, REFER TO ELECTRICAL DRAWINGS

NOTE: ALL CONDUIT TO BE CENTERED BELOW FUTURE SIGNAGE AND POSTS BY TENANT SIGN VENDOR

3
SP100
ARCHITECTURAL SITE PLAN DIMENSIONED
1/4" = 1'-0"



TENANT ANNOUNCE SIGN WITH EXISTING CONDUIT, REFER TO ELECTRICAL DRAWINGS

CLEARANCE BAR WITH EXISTING (1) 1" CONDUIT REFER TO ELECTRICAL DRAWINGS

NOTE: ALL CONDUIT TO BE CENTERED BELOW FUTURE SIGNAGE AND POSTS BY TENANT SIGN VENDOR

2
SP100
ARCHITECTURAL SITE PLAN DIMENSIONED
1/4" = 1'-0"

EXISTING EXCLUSIVE DUMPSTER ENCLOSURE, PAD APRON AND BOLLARDS

TENANT ANNOUNCE SIGN AND FOUNDATION BY TSV, SEE 2/SP100 FOR DETAILS

EXISTING EXCLUSIVE SCHIER GB-250 GREASE INTERCEPTOR

EXISTING LANDSCAPING AND IRRIGATION

CLEARANCE BAR AND FOUNDATION BY TSV, SEE 2/SP100

EXISTING RISER ROOM

EXISTING CONCRETE

EXISTING 6" BOLLARD

(1) 1" EXISTING CONDUIT FOR LOOP DETECTOR, CENTERED ON PICK-UP WINDOW; REFER TO ELECTRICAL DRAWINGS

EXISTING CURB, TYP.

EXISTING BIKE RACK, TYP

TENANT ANNOUNCE SIGN AND FOUNDATION BY TSV, SEE 3/SP100 FOR DETAILS

EXISTING 400 SF CONCRETE PATIO SLAB

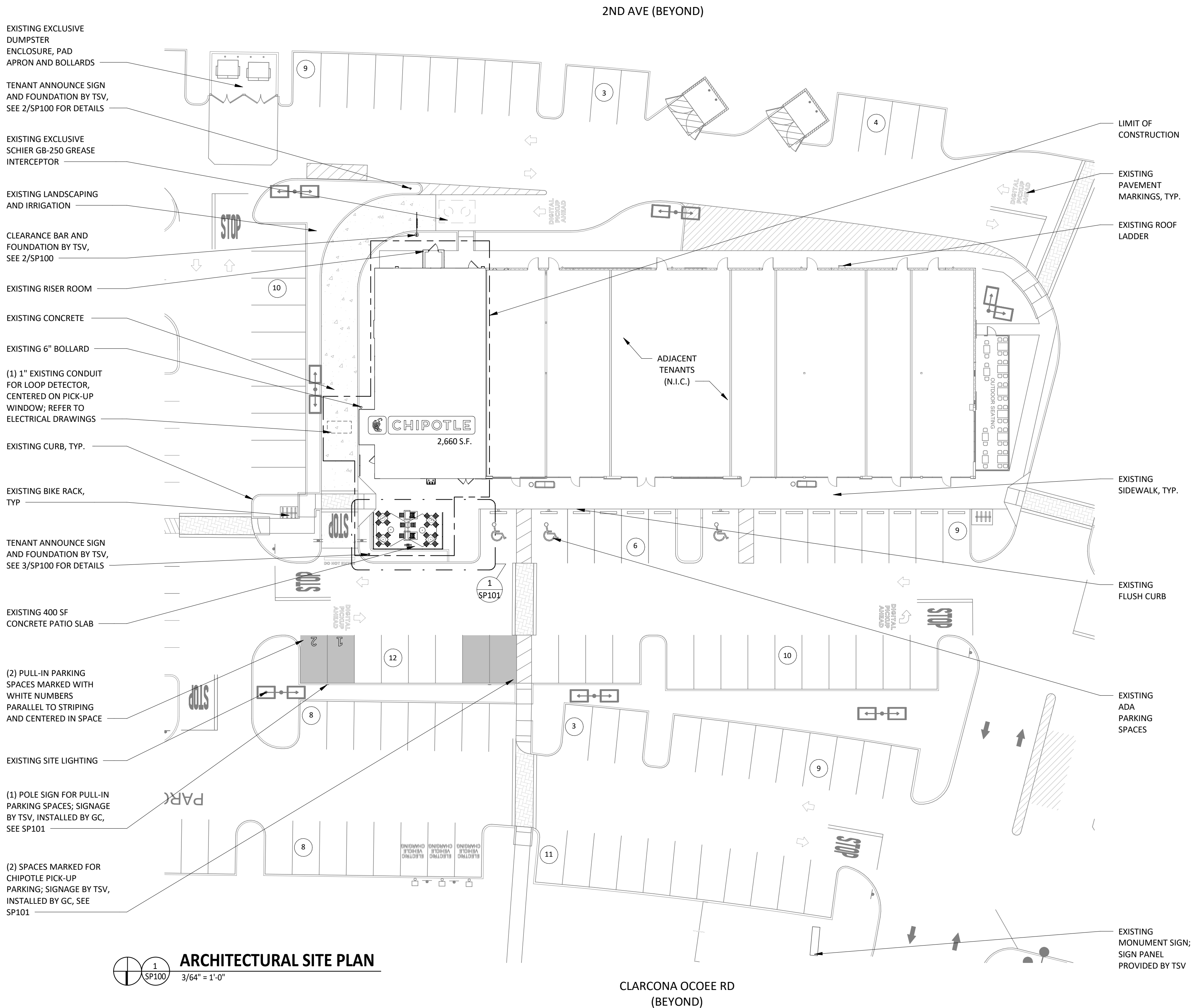
(2) PULL-IN PARKING SPACES MARKED WITH WHITE NUMBERS PARALLEL TO STRIPING AND CENTERED IN SPACE

EXISTING SITE LIGHTING

(1) POLE SIGN FOR PULL-IN PARKING SPACES; SIGNAGE BY TSV, INSTALLED BY GC, SEE SP101

(2) SPACES MARKED FOR CHIPOTLE PICK-UP PARKING; SIGNAGE BY TSV, INSTALLED BY GC, SEE SP101

1
SP100
ARCHITECTURAL SITE PLAN
3/64" = 1'-0"



GENERAL NOTES

1. STENCILS FOR PARKING MARKINGS AVAILABLE FROM PAVEMENT STENCIL COMPANY, PHONE: (800) 250-5547, EMAIL: STENCILS@PAVEMENTSTENCIL.COM
2. ALL SITE WORK INCLUDING PAVING, CURBING, PARKING, PARKING LOT LIGHTING, SIDEWALKS, LANDSCAPING AND DUMPSTER ENCLOSURE ARE EXISTING U.N.O.

Consultant:

R/A

Red Architecture

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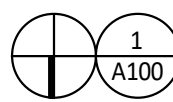
**ARCHITECTURAL SITE
PLAN**

SP100

PATIO PLAN

1
SP101

1/4" = 1'-0"


$$1/4'' = 1'-0''$$

A100

A101

WALL TYPE LEGEND

INTERIOR WALL CONSTRUCTION	
EXTERIOR WALL CONSTRUCTION	
INTERIOR WALL CONSTRUCTION WITH SOUND BATT INSULATION	
WALK-IN COOLER	
DESIGNATES WALLS & SHEATHING TO EXTEND TO DECK	
DESIGNATES EXISTING ONE (1) HOUR RATED ASSEMBLY RUN TIGHT TO DECK,	

GENERAL NOTES

- ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNLESS NOTED OTHERWISE.
- DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
- REFER TO WALL FINISH SCHEDULE ON A120.
- STUD SIZES AS INDICATED ON PLAN.
- INTERIOR DOORS ARE 4" OFF OF PERPENDICULAR WALL U.N.O.
- IN SITUATIONS WHERE TENANT'S G.C. IS TO PROVIDE TYPE 'X' GYP. BD. FOR A RATED ASSEMBLY, THE TYPE 'X' GYP. BD. IS REQUIRED TO GO BENEATH THE SHEATHING AND FINISHES.
- SEE SHEET A801 FOR ADDITIONAL SHEATHING BEHIND CERTAIN WALL FINISHES.
- SEE A601 FOR DOOR TYPES.
- TENANT'S G.C. TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING AND REPORT ANY DISCREPANCIES IN NOTED DIMENSIONS TO ARCHITECT AND CHIPOTLE MEXICAN GRILL'S CM PRIOR TO PROCEEDING. FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDIATION REQUIRED TO MEET DESIGN INTENT WILL BE AT CONTRACTOR'S COST.
- SEE A501 FOR WALL TYPES.
- PROVIDE DEFLECTION TRACKS AT WALLS WHICH GO TO THE UNDERSIDE OF THE DECKING, REFER TO DETAIL 3/A501
- PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
- DENSSHIELD TILE BACKER BOARD SHALL NOT BE INSTALLED OVER VAPOR BARRIERS AT EXTERIOR WALLS.
- MOISTURE RESISTANT GYP. BD. SHALL BE USED IN RESTROOMS.

Consultant:

R/A

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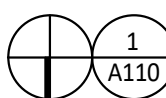
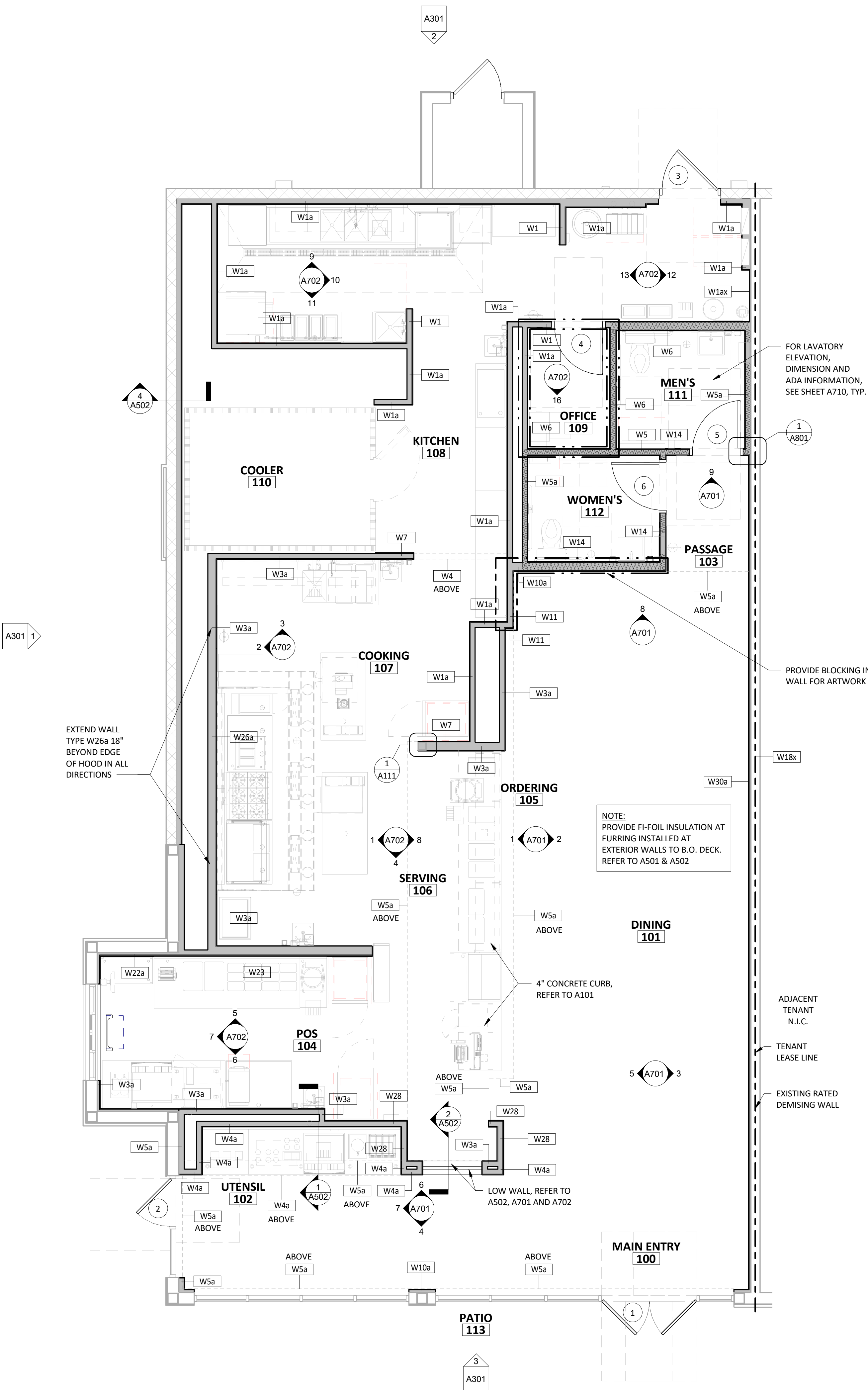
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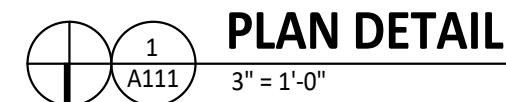
Contents:

ARCHITECTURAL
FLOOR PLAN

A110



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



A111

CODED NOTES

- | | |
|----|--|
| 1 | 1-1/2" X 1-1/2" STAINLESS STEEL CORNER GUARDS TO 5'-0" AFF WITH 1-1/2" X 1-1/2" FRP CORNER TRIM ABOVE |
| 2 | SCHLUTER-QUADEC METAL CORNER, REFER TO 10&11/A802 & 11/A801. |
| 3 | ALUMINUM ENDCAPS, REFER TO 12/A802. FOR WINDOWS, REFER TO 12&13/A802 |
| 4 | PROVIDE STAINLESS STEEL ON WALL TO 24" ABOVE TOP OF MOP SINK. FLASH BOTTOM EDGE OVER MOP SINK RIM. BEND STAINLESS STEEL AT INSIDE CORNER SO THERE IS NO JOINT, REFER TO 17/A801. |
| 5 | NOT USED |
| 6 | COOLER WALL PANELS AS PROVIDED BY THE COOLER MANUFACTURER HAVE A 26-GAUGE COATED AND EMBOSSED STEEL FINISH. |
| 7 | G.C. TO PROVIDE 18 GAUGE STAINLESS STEEL SHROUD AROUND EXPOSED LINES AT THE ICE MAKER. |
| 8 | PROVIDE WATERPROOFING MEMBRANE, REFER TO 4&5/A802. PROVIDE ON INTERIOR OF ALL RESTROOM WALLS, REFER TO 18/A801. |
| 9 | PROVIDE QUARRY TILE ON TOP OF CURB FOR SMART SAFE. PROVIDE BULLNOSE TILE TO LAP OVER TOP CUT EDGE OF BASE TILE, REFER TO SHEET 1/802. G.C. TO COORDINATE EXTENT OF QUARRY TILE WITH KES PRIOR TO INSTALLATION. |
| 10 | FRP CLOSURE AT COOLER AIR GAP, REFER TO 14/A801 |
| 11 | NOT USED |
| 12 | OUTSIDE CORNER GUARD BY TMS, REFER TO 13/A801 |
| 13 | ALIGN LOW EDGE OF RENO RAMP WITH FRONT EDGE OF EQUIPMENT CURB AND FACE OF ADJACENT WALL BASE FINISH |
| 14 | NOT USED |
| 15 | PROVIDE TOP CORNER AT TRANSITION FROM GYP BD CEILING TO FRP WALL REFER TO 9/A210 |
| 16 | 4" PVC PIPE, WITH 2" HIGH CONCRETE INFILL FOR POWER STUB, TYP. OF TWO (2). REFER TO ELECTRICAL DRAWINGS |
| 17 | CONCRETE CURB FOR EQUIPMENT, WITH QUARRY TILE BASE AT EXPOSED EDGES |
| 18 | EXTENT OF QUARRY TILE FROM KITCHEN, ALIGN TILE WITH EDGE OF DOOR THRESHOLD |
| 19 | EXTENT OF RESINOUS FLOORING FROM RESTROOM |

FINISH LEGEND

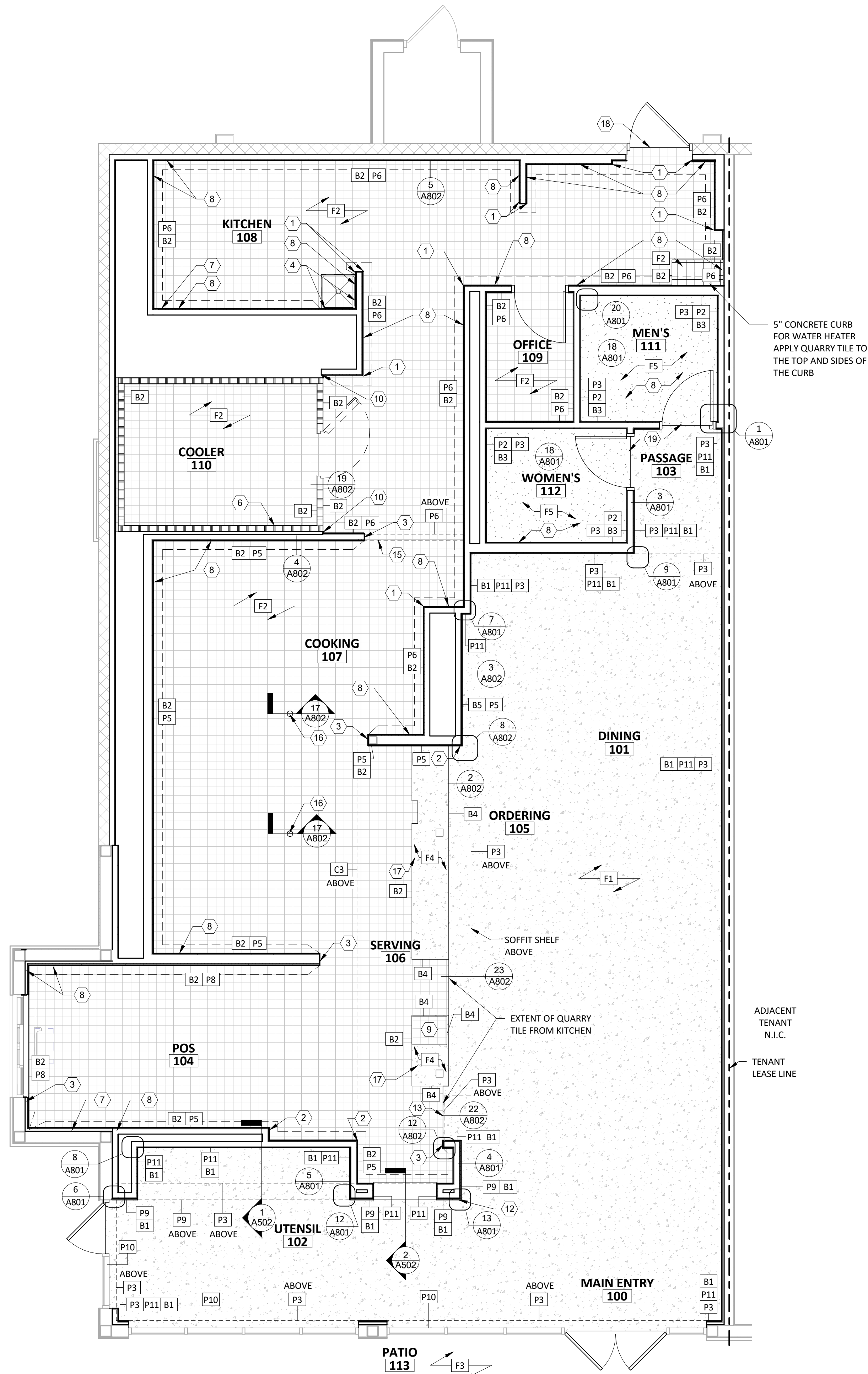
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ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	CEILING HEIGHT	REMARKS
100	MAIN ENTRY	F1	B1	REFER TO PLAN FOR WALL FINISHES	C1/C5	STR/10'-0"	SEE SHEET A701 AND SPECIFICATION SHEETS
101	DINING	F1	B1		C1/C5	STR/10'-0"	SEE SHEET A701 AND SPECIFICATION SHEETS
102	UTENSIL	F1	B1		C2	±8'-1 3/4" / ±9'-1 3/4"	SEE SHEET A701 AND SPECIFICATION SHEETS
103	PASSAGE	F1	B1		C3	10'-0"	SEE SHEET A701 AND SPECIFICATION SHEETS
104	POS	F2	B2/B4		C3 /C4	±9'-0" / ±9'-4"	SEE SHEET A702 AND SPECIFICATION SHEETS
105	ORDERING	F1	B1/B4/B5		C1/C3	STR / ±9'-0"	SEE SHEET A701 AND SPECIFICATION SHEETS
106	SERVING	F2	B2		C3	9'-0"	SEE SHEET A702 AND SPECIFICATION SHEETS
107	COOKING	F2	B2		C3 /C4	±9'-0" / ±9'-4"	SEE SHEET A702 AND SPECIFICATION SHEETS
108	KITCHEN	F2	B2		C4	10'-0"	SEE SHEET A702 AND SPECIFICATION SHEETS
109	OFFICE	F2	B2		C4	9'-0"	EXTEND SHEATHING TO STRUCTURE
110	COOLER	F2	B2		STR	STR	CEILING HEIGHT & FINISHES PER MANUFACTURER
111	MEN'S	F5	B3		C3	8'-0"	SEE SHEET A710 AND SPECIFICATION SHEETS
112	WOMEN'S	F5	B3		C3	8'-0"	SEE SHEET A710 AND SPECIFICATION SHEETS
113	PATIO	F3	-	-	-	-	

GENERAL NOTES

1. STONEWOOD WALL PANELS AND WAINSCOT PROVIDED BY TMS, INSTALL BY GC.
2. SPALTED MAPLE PANELS PROVIDED BY TMS, INSTALLED BY GC.
3. GC IS RESPONSIBLE FOR SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES).



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

Consultant:

R/A

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Project No.

CMG1187

FINISH PLAN

A120

GENERAL NOTES

1. REFER TO SHEETS A131 AND A132 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, EDGE OF EQUIPMENT OR CENTERLINE OF EQUIPMENT UNLESS NOTED OTHERWISE.
3. ALL FURNITURE TO BE SQUARE/PARALLEL TO TENANT SPACE/WALLS AS SHOWN ON PLANS

Consultant:

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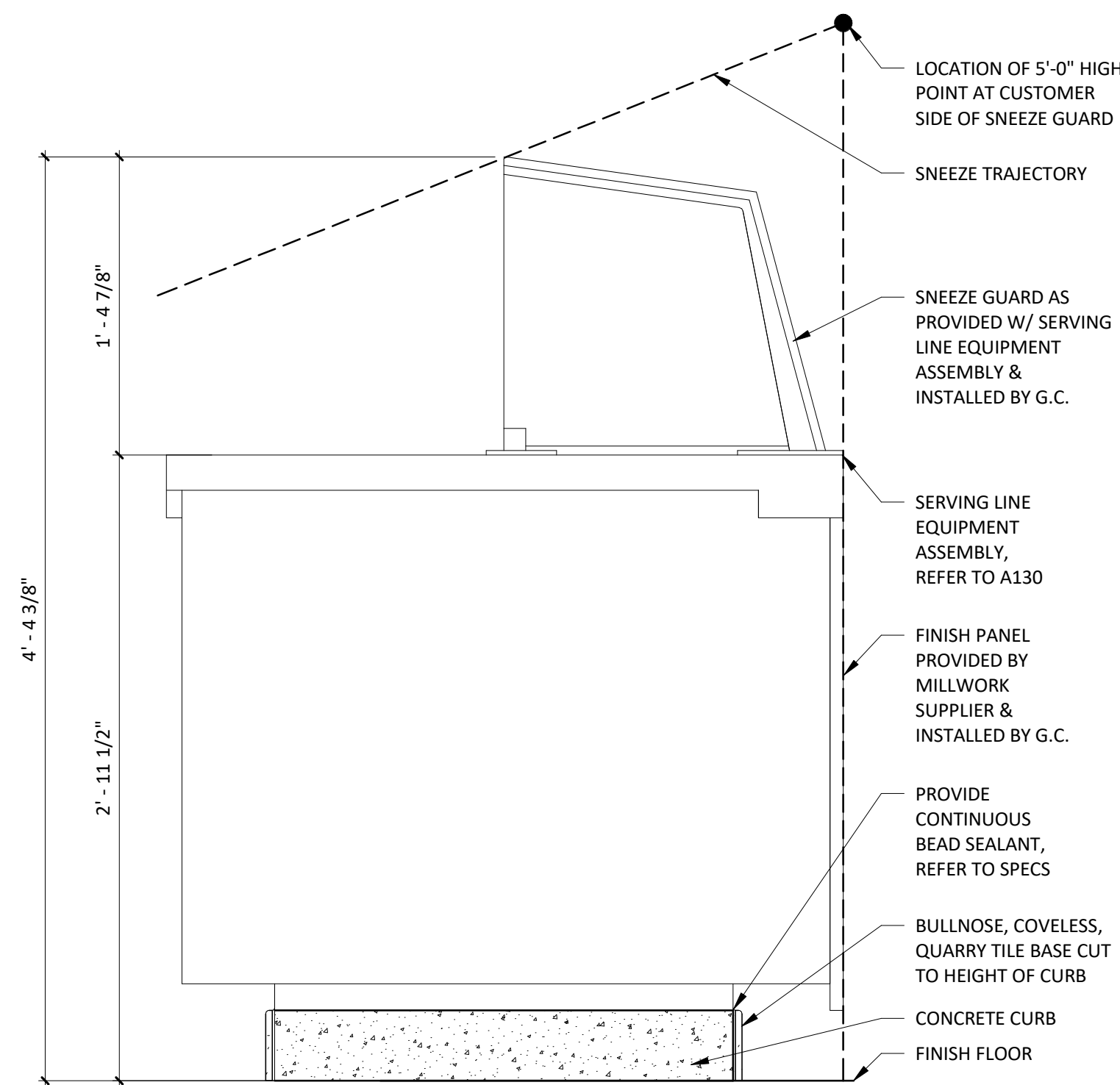
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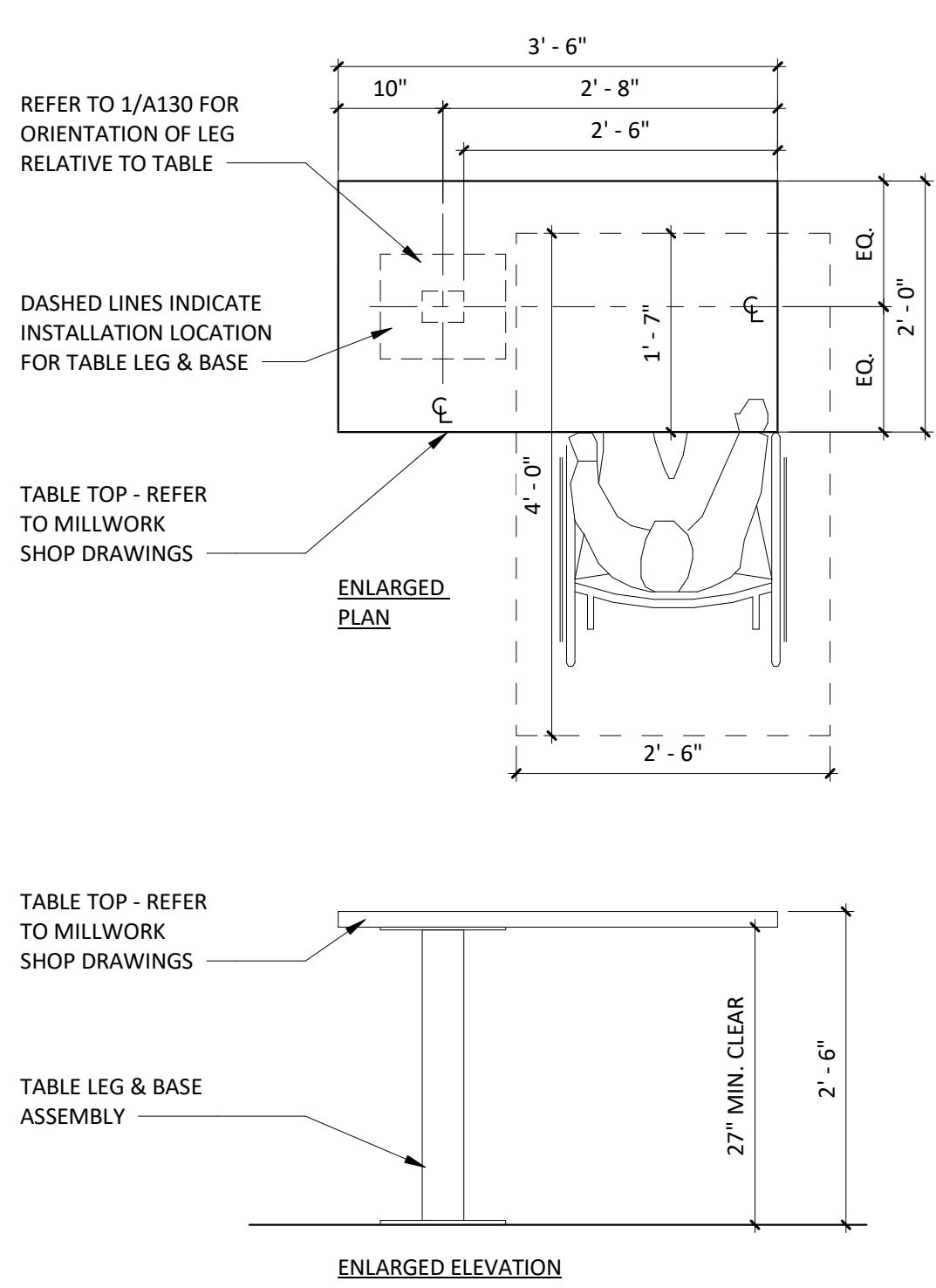
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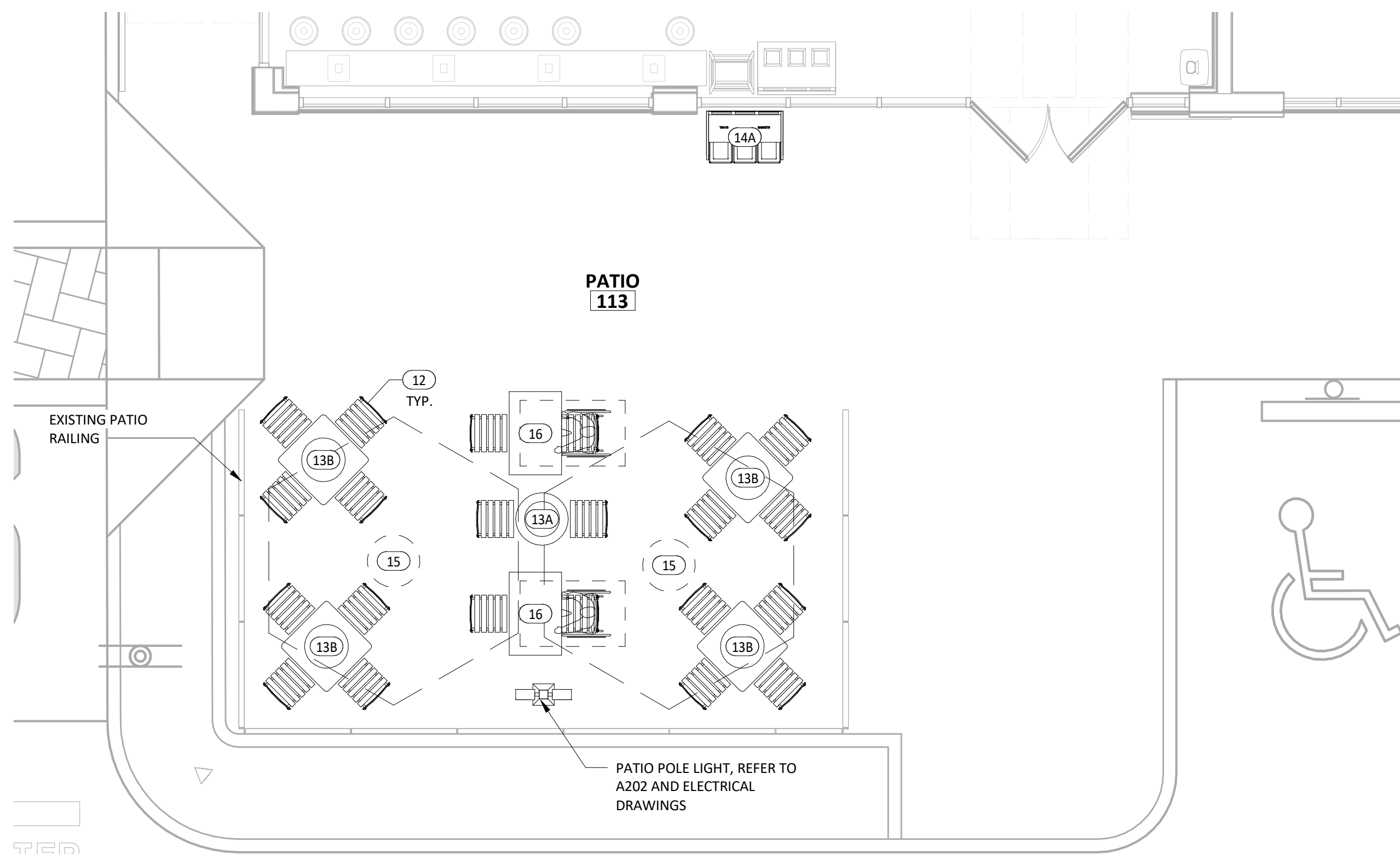
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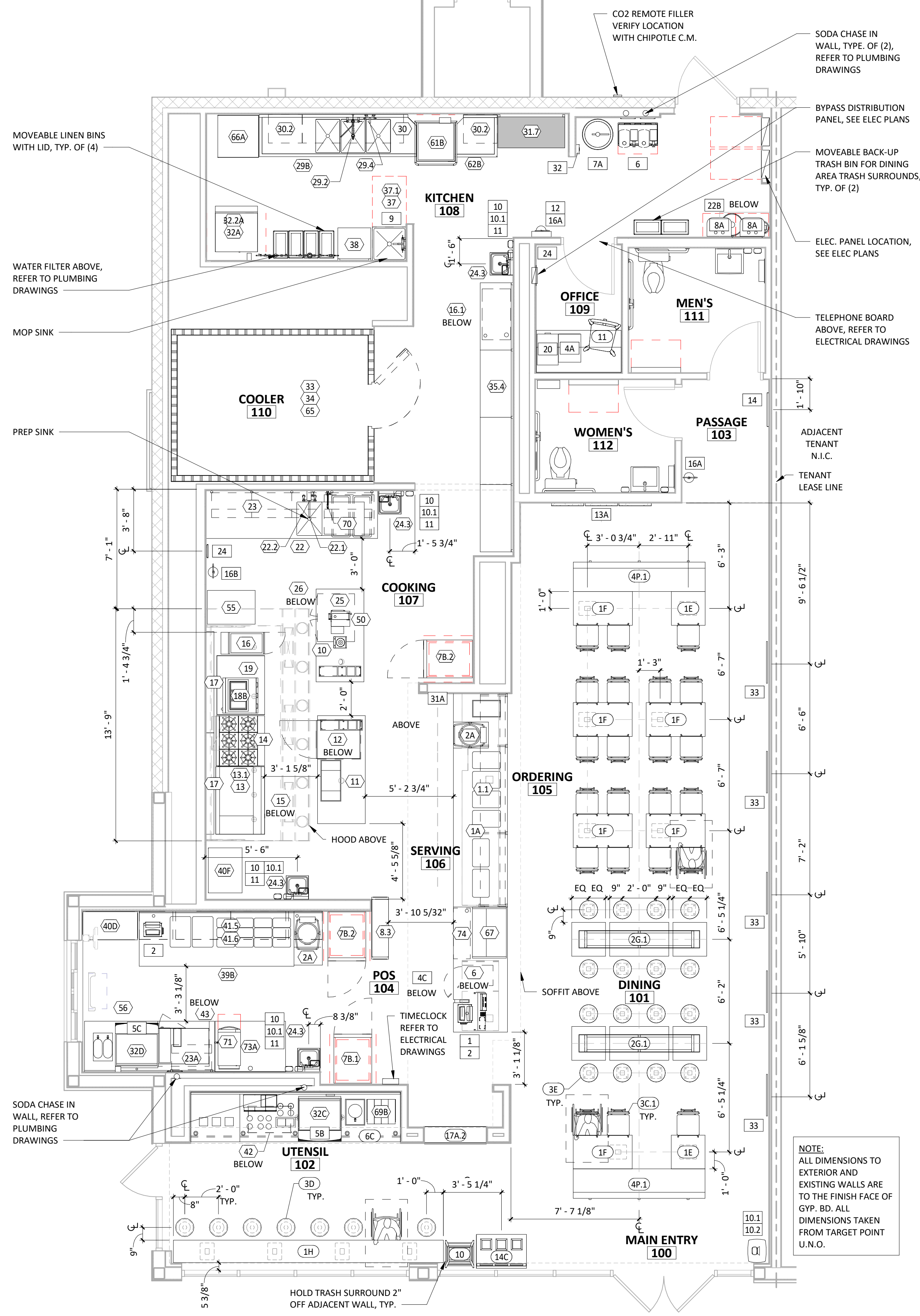
DETAIL @ SERVE LINE SNEEZE GUARD
4 A130 1 1/2" = 1'-0"



DETAIL @ ACCESSIBLE TABLE
3 A130 3/4" = 1'-0"



FURNITURE, FIXTURE & EQUIPMENT PATIO PLAN
2 A130 1/4" = 1'-0"



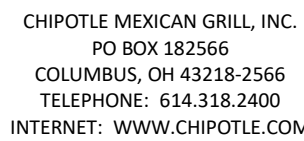
FURNITURE, FIXTURE & EQUIPMENT PLAN
1 A130 1/4" = 1'-0"

ITEM #	DESCRIPTION	MANUFACTURER	MODEL NO.	QTY	SUPPLIED BY	INSTALLED BY	UTILITY				REMARKS
							ELEC	GAS	WATER	SEWER	
1.1	Sneeze Guard Serve Line 12 Pan (Right)	BSI	Custom-R	1	TMS	TMS/GC					
1A	Front Serve Line - 12 Pan - RTD - POS Right	Delfield	12 Pan Serve Line POS RTD_ 241x38.5in (Right)	1	KES	KES; GC	●			●	Installed On Concrete Curb
2A	Tortilla Warmer	Caliente Industries	A2	2	KES	KES	●				GC To Store In Walk-In Cooler Until Final Installation
6	Cup Dispenser	Dispense-Rite	CHIP-ECL-3B	1	KES	KES; GC					Installed At POS Counter
7B.1	Upright Beverage Cooler, Single Door, Hinge Left	Varies	Varies - Solid Door	1	KES	KES	●				
7B.2	Upright Beverage Cooler, Single Door, Hinge Right	Varies	Varies - Solid Door	2	KES	KES	●				
8.3	M4.5 Chip Shelf	Trimark	Custom	1	KES	KES					
10	Blender	Vitamix	748	1	KES	KES	●				GC To Store In Walk-In Cooler Until Final Installation
11	Carving Station - 77x34in - Horizontal Well - Right	Delfield	77x34in Carving Station-RT	1	KES	KES	●				
12	Undercounter Refrigerator	Varies	Varies	1	KES	KES	●				
13	Grill 48in - Natural Gas - Divider Left	Woodstone	WS-PL-48-36-4-CT-Left	1	KES	KES	●	●			
13.1	Woodstone Grease Splash Guard	Nationwide Fab; Mario Mfg	CHP-GCG-GSG	1	KES	KES					Verify If Required
14	Range 6 Burner - Natural Gas	Garland	U36-6S	1	KES	KES		●			
15	Woodstone Grill Stand 48x31in - Divider Left	Woodstone	000-PL-STAND-CASTER	1	KES	KES					
16	Fryer - Gas - Standard Efficiency	Varies	Varies	1	KES	KES	●	●			Mounted On Legs, G.C. To Pin Front Legs To Floor
16.1	Grease Caddy	Varies	Chipotle Grease Caddy - RH	1	KES	KES					
17	Cook Line Stand Off - 72x6	Nationwide Fab; Mario Mfg	CHP-72WS-6	2	KES	KES					Mount Top of Flat Surface at 33" AFF, Install Screws at Each Stud Location, Provide Blocking To Mount To Wall
18B	Gas Rice Cooker	Woodstone	WS-GRC-60	1	KES	GC	●	●			Final Connection by GC. RE:Mechanical Drawings
19	Rice Cooker Stand - Left	Nationwide Fab; Mario Mfg	CHP-RCS-42ES-34	1	KES	KES					
22	Prep Sink - Corner - Left	Trimark	S1-122x34-US-FF-L	1	KES	GC				●	
22.1	Prep Sink Faucet Big Flow Faucet	T&S	B-0293-01	1	KES	GC			●		
22.2	Prep Sink Vegetable Wash Faucet	T&S	B-0730	1	KES	GC			●		GC To Provide Connection For Chemical Dispensing Equipment
22.3	Prep Sink Drain Assembly	T&S	B-3950	1	KES	KES; GC				●	
23	4 Shelves - 120in Prep Sink	Amco	CHPPS120	1	KES	KES					Mount Bottom Of Standard At 50" AFF. Provide Plywood Blocking To Mount To Wall.
23A	2 Shelves - 30in	Amco	Custom	1	KES	KES					Mount Bottom Of Standard At 50" AFF. Provide Plywood Blocking To Mount To Wall.
24.3	Hand Sink Wall Mounted - Splash Both	Universal Stainless	EHS-1RL-NF	4	KES	GC				●	Provided with B-0199-06-F10, 1.0 GPM Aerator, Provide Plywood Blocking To Mount To Wall
24.5	Kitchen Hand Sink Faucet Splash Mount	T&S	B-1146-04	4	KES	GC			●		
25	Rice Prep Table Island 66x34	Nationwide Fabrication; Marlo Mfg	Custom Table 66x34in	1	KES	KES					
26	Hot Holding Cabinet - Double Door (Rice)	Food Warming Equipment (FWE)	HLC-1220-8-8-CHP	1	KES	KES	●				
29.2	Dish Sink Add-A-Faucet w/ Pre-Rinse	T&S	B-1033-12CRBJSK Substitute Sprayer B-0107-J-SWV	1	KES	GC			●		
29.3	Dish Sink Drain Assembly	T&S	B-3950	3	KES	KES; GC				●	
29.4	Dish Sink Chemical Faucet	T&S	B-2345-01-XX	1	KES	GC			●		GC To Provide Connection For Chemical Dispensing Equipment
29B	3 Comp Sink - 18x24in Bowls - 111 3/4in	Nationwide Fabrication; Marlo Mfg	S3-30x111.75x36.5-FF	1	KES	GC				●	
30	Shelving System - 3 Comp Sink	Amco	WST1879S	1	KES	KES					Mount bottom of Standard At 56" AFF. Provide Plywood Blocking
30.2	Shelving System - Dish Table	Amco	WST1879S	2	KES	KES					Mount bottom of Standard At 56" AFF. Provide Plywood Blocking. Mount Tight To Dish Machine
31.7	Drying Racks 23x48x85in - With Vented Aluminum Covers	Varies	Custom	1	KES	KES					Mount Bottom Of Standard At 12" AFF. Provide Plywood Blocking To Mount To Wall
32.1A	Ice Maker - Remote Condenser	Hoshizaki	URC-5FZ	1	KES	KES	●				Condensing Units To Be Secured To The Roof Per Code By GC
32.1B	Ice Maker - Remote Condenser	Hoshizaki	URC-9FZ	1	KES	KES	●				Condensing Units To Be Secured To The Roof Per Code By GC
32.2A	Ice Maker - Storage Bin	Hoshizaki	BS005F	1	KES	KES				●	
32.3	Icemaker- Filter	Cuno	Bev 190	3	KES	KES			●		
32.4	Ice Maker - Scale Inhibitor	Cuno	CFS440-HT	3	KES	KES			●		
32A	Ice Maker For B.O.H. Ice Bin (Shorter)	Hoshizaki	KML-700MRJZ	1	KES	KES	●		●		Drain Ice Maker to Floor Sink, RE: Mech. Refrigeration By Tenant.
32C	Ice Maker Mounted On Soda Machine - Air Cooled	Hoshisaki	KMD-530MAJZ	1	KES	KES	●				

R/A

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Project No.
CMG1187

A131

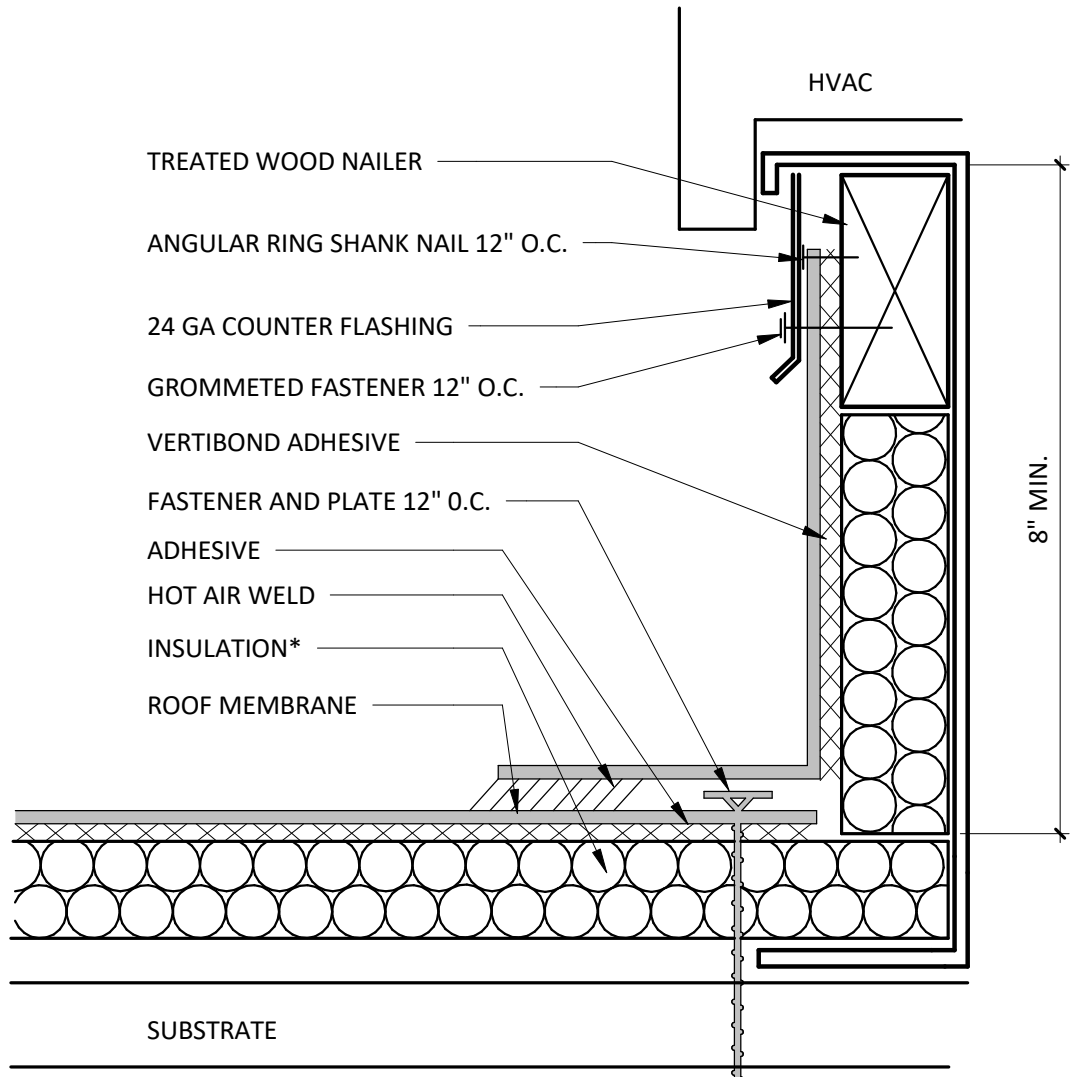
HVAC EQUIPMENT

NOTE: UTILITIES BY GC, REFER TO MECHANICAL DRAWINGS.

DESCRIPTION	SUPPLIED BY	INSTALLED BY	UTILITY				REMARKS
			ELEC	GAS	WATER	SEWER	
EXHAUST FANS & CURBS	HS	GC					CURB FURNISHED BY HS, INSTALLED BY GC
MAKE UP AIR UNIT & CURBS	HS	GC					CURB FURNISHED BY HS, INSTALLED BY GC
ROOF TOP UNITS & CURBS	HES	GC					CURB FURNISHED BY HS, INSTALLED BY GC
TEST & BALANCE SYSTEM	TAB	-					FURNISH HVAC TEST & BALANCE PER TENANT'S NATIONAL ACCOUNT PROGRAM.

GENERAL NOTES

- SEE STRUCTURAL DRAWINGS FOR LOCATIONS AND SIZE OF STRUCTURAL ROOF REINFORCEMENTS.
- SEE MECHANICAL PLANS FOR ROOF TOP EQUIPMENT.
- COORDINATE ALL ROOF PENETRATIONS, FLASHING, AND REPAIR W/ TENANT ROOF TOP EQUIPMENT PRIOR TO COMMENCEMENT OF WORK.
- DIMENSIONS FOR ROOF TOP EQUIPMENT WITH CURBS IS TO THE OUTSIDE FACE OF THE CURB. DIMENSIONS FOR EQUIPMENT WITHOUT CURBS ARE TO THE CENTER OF THE UNIT. ALL DIMENSIONS ARE FOR REFERENCE ONLY. ROOFING CONTRACTOR TO ADJUST AS NECESSARY IN FIELD. CONTACT ENGINEERING CONSULTANTS FOR ANY MAJOR MODIFICATIONS TO LAYOUT.
- JOISTS FOR SHELL BUILDING ARE TO BE DESIGNED FOR THE RTU WEIGHTS AND PLACEMENT EXHIBITED. IF LOCATION OR ORIENTATION OF A UNIT MUST CHANGE, NOTIFY ARCHITECT IMMEDIATELY.
- SEE M700 FOR PENETRATION DETAILS AT RTUS AND THE EXHAUST FAN.
- PROVIDE INSULATED CURBS FOR ALL EQUIPMENT IN EXPOSED DECK AREA ONLY.
- PROVIDE TAPERED INSULATION CRICKET AT ALL EQUIPMENT CURBS.
- LOCATE ALL UNITS SO DUCT DROPS BETWEEN TRUSS JOISTS. NOTIFY ARCHITECT IMMEDIATELY IF ANY UNITS NEED TO SHIFT FROM PLAN LOCATION SHOWN.

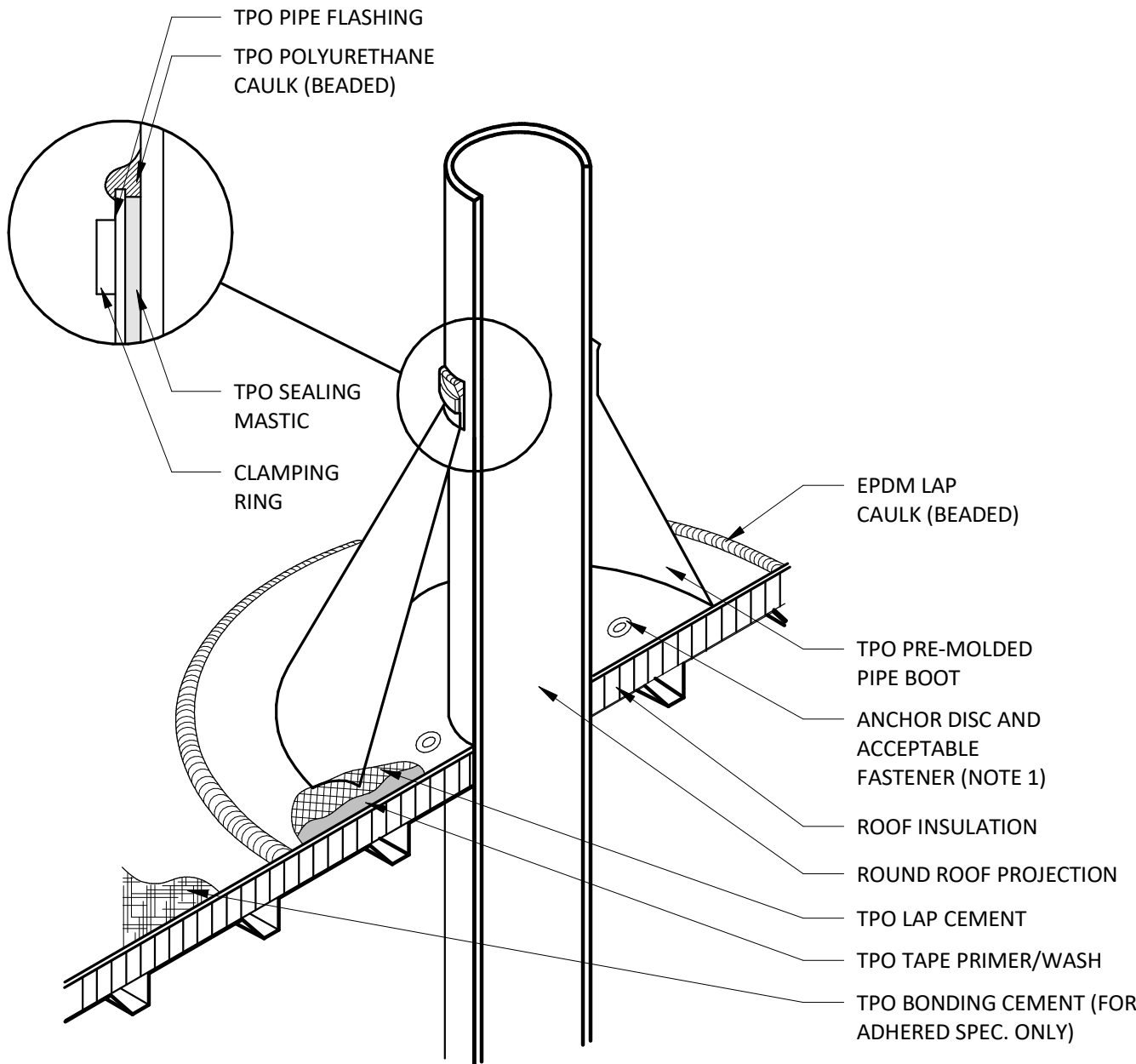


NOTES:

- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- DO NOT SCALE DRAWINGS.
- USE PREFABRICATED OUTSIDE CORNERS.
- INSULATION MUST BE SECURELY FASTENED.
- *GLASS - FACED POLYISO INSULATION IS OPTIONAL AND MAY NOT BE REQUIRED ON EVERY PROJECT. IF INSULATION IS NOT REQUIRED, THE MEMBRANE MUST BE ADHERED TO AN APPROVED SURFACE.

CURB FLASHING

1/2" = 1'-0"

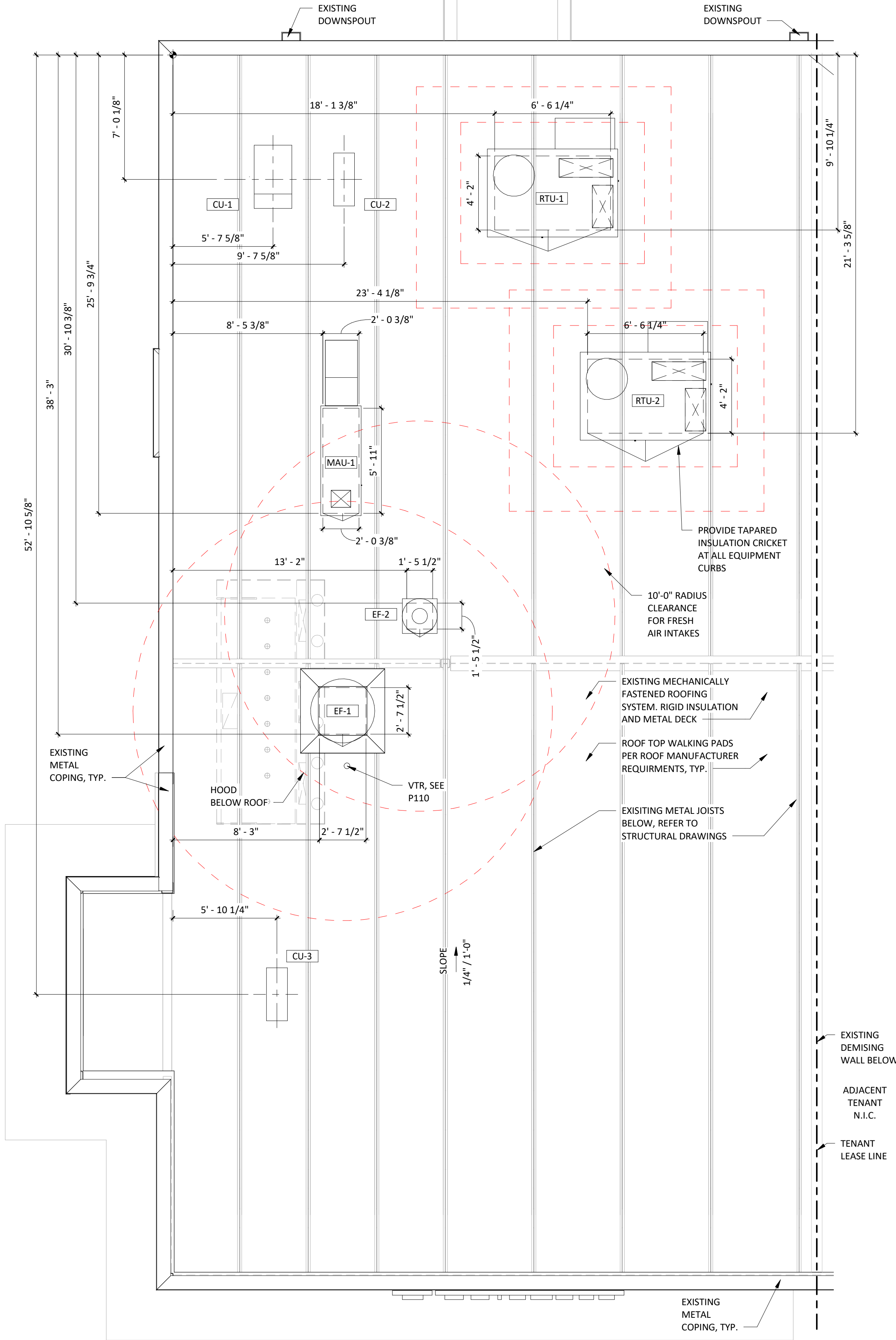


NOTE:

- WITH MECHANICALLY FASTENED OR BALLASTED SPECIFICATIONS, MEMBRANE MUST BE MECHANICALLY ATTACHED WITH 2" (50 mm) ANCHOR DISC AND ACCEPTABLE FASTENERS (MINIMUM OF 4 PER PIPE).
- DO NOT OVERLAP THE FLANGES FROM ADJACENT PIPE FLASHINGS.
- ANY SEAM UNDER BOOT FLANGE TO BE TREATED AS T-JOINT.
- BOTH SURFACES TO BE MATED MUST BE CLEANED WITH TAPE PRIMER/WASH. EPDM TAPE PRIMER/WASH MUST BE COMPLETELY DRY AND TACK FREE BEFORE APPLYING EPDM LAP CEMENT.

BOOT DETAIL

1/2" = 1'-0"



ROOF PLAN

1/4" = 1'-0"

Consultant:

R/A

Red Architecture

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Drawn: JOM
Checked: CS, DF

Project No.

CMG1187

Contents:

ARCHITECTURAL
ROOF PLAN

A140

GENERAL NOTES

- ALL INTERIOR LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER.
- ALL INTERIOR LIGHT FIXTURES AND LAMPS INSTALLED BY GC. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- KITCHEN EXHAUST HOOD PROVIDED BY HS AND INSTALLED BY GC. GC TO COORDINATE PRESSURE TEST AND VIRO GUARD WITH ENVIROMATIC, INC.
- ANSUL BOX & FIRE SUPPRESSION SYSTEM PROVIDED BY AND INSTALLED BY HS. HOOD INTERLOCK BY GC. ELECTRICAL CONNECTION BY GC, RE: ELEC.
- MENU BOARD ASSEMBLY PROVIDED BY TMB, INSTALLED BY G.C.
- PROVIDE BLOCKING ABOVE MENU BOARD ASSEMBLY FOR INSTALLATION.
- REFER TO "09900 PAINTING - GENERAL" IN SPECIFICATIONS FOR FINISHES AT EXPOSED CEILING AREAS IN ADDITION TO NOTES LISTED ON THIS SHEET AND A120.
- UNISTRUT TO BE LEFT UNPAINTED. PROVIDE MATCHING CLOSER STRIPS AND END CAPS. CLOSER STRIP TO BE APPLIED TO THE UNDERSIDE OF THE UNISTRUT.
- ALL HEIGHTS ARE TO BOTTOM OF FIXTURE UNLESS NOTED OTHERWISE.
- LIGHT DETAILS ARE LOCATED ON SHEET A210. FIXTURE AND LAMP SPECIFICATIONS ARE LOCATED ON E100.
- ALL UNISTRUT SUPPORTING CEILING ELEMENTS AND/OR DUCT WORK SHALL NOT CONTAIN ANY ELECTRICAL CONDUIT. ALL ELECTRICAL CONDUIT MUST RUN IN SEPARATE UNISTRUT.
- ALL UNISTRUT, CONDUIT, SPRINKLER & WATER LINES SHALL BE INSTALLED TIGHT TO THE BOTTOM OF THE DECK OR AS SHOWN IN DETAILS AND LEFT UNPAINTED
- ALL WATER LINES AND EXPOSED PVC SHALL BE INSTALLED IN TRUSS SPACE AND PAINTED VICTORIAN PEWTER.
- ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
- SEE ELECTRICAL DRAWINGS FOR SHATTER RESISTANT LAMP LOCATIONS.
- ALL EMERGENCY FIXTURES, LIGHTS AND STROBES SHALL BE ALIGNED OR CENTERED ON WALLS.
- FULL CERAMIC TILE COURSING SHALL TAKE PRECEDENT OVER ANY CEILING/HEADER DIMENSION INDICATED IN THE PLAN, REFER TO A120.
- ALL CONDUIT AND PIPE PENETRATIONS OF THE SERVING LINE SOFFIT ARE TO BE HELD TIGHT TO THE DECK. PLEASE CONSULT WITH THE CHIPOTLE CM SHOULD ANY CONFLICTS ARISE.
- BATT INSULATION TO BE INSTALLED ABOVE THE RESTROOM CEILING.
- ALL LAY-IN CEILING PENETRATIONS TO BE HELD TIGHT TO WALLS. REFER TO 4/A210 AND PLUMBING DRAWINGS FOR DETAILS.
- REFER TO STRUCTURAL DRAWINGS FOR HOOD SUSPENSION DETAILS.
- ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS PROVIDED BY TENANT'S LIGHT/LAMP SUPPLIER, U.N.O.
- ALL EXTERIOR PARKING LOT LIGHT FIXTURES AND LAMPS PROVIDED BY AND INSTALLED BY G.C. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS INSTALLED BY G.C. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- SECURITY CAMERA LOCATIONS ARE ONLY APPROXIMATE LOCATIONS. FOR GUIDANCE ON THE SPECIFIC LOCATION/ORIENTATION OF THESE CAMERAS, REFER TO THE ENVYSION INSTALLATION GUIDE
- REFER TO A120 FOR FINISH SCHEDULE

NOTE:
ALL DIMENSIONS TO EXTERIOR
AND EXISTING WALLS ARE TO
THE FINISH FACE OF EXISTING
GYP. BD. ALL DIMENSIONS
TAKEN FROM TARGET POINT U.N.O.

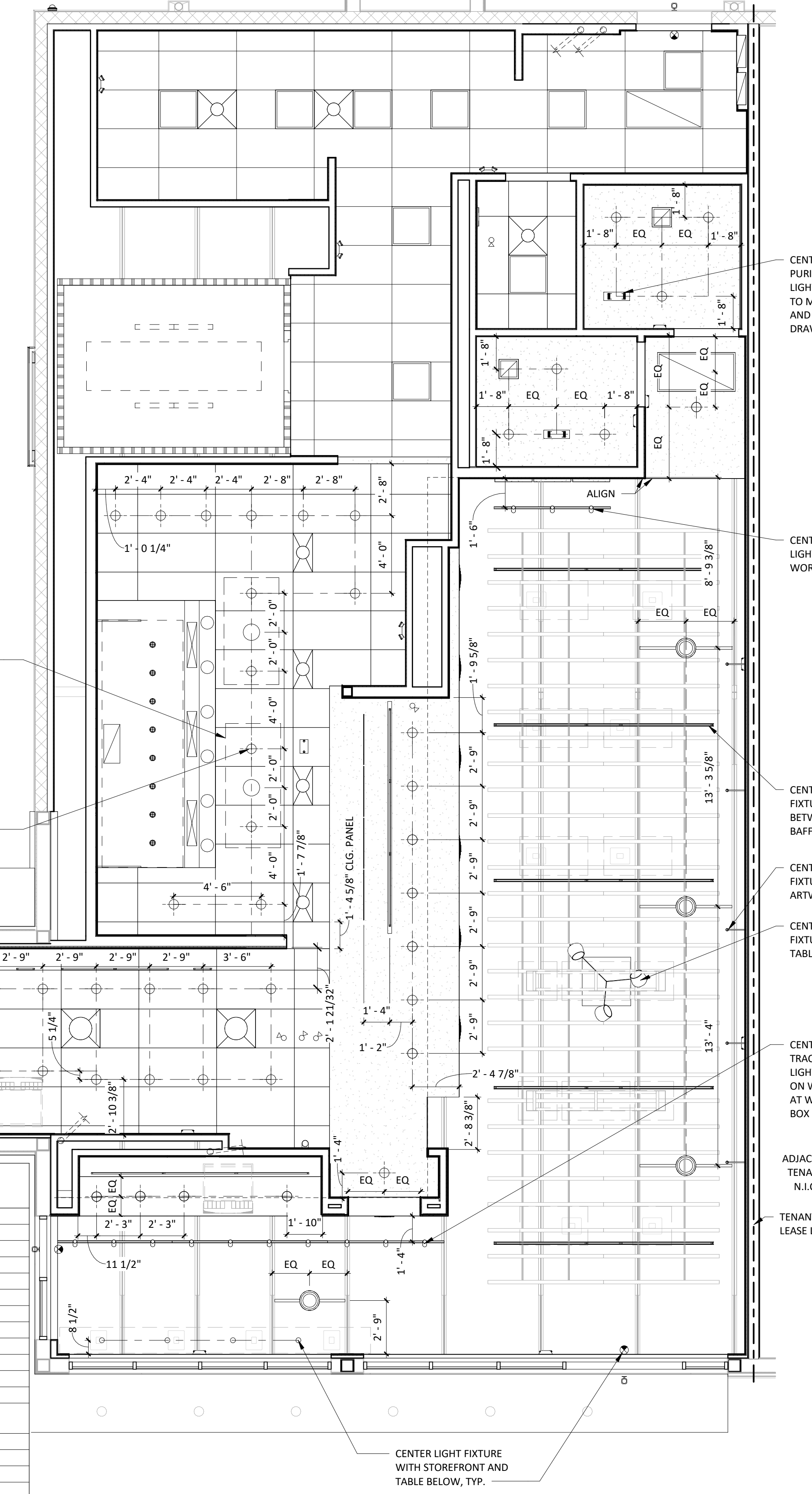
LIGHT FIXTURE SCHEDULE

ITEM #	QTY	MOUNT	DESCRIPTION	REMARKS
A1	9	LAY-IN	2x2 LENSED TROFFER	SEE SHEET E100
B1	7	CEILING	RECESSED 6IN CAN LIGHT	SEE SHEET E100
B2	33	CEILING	RECESSED 6IN CAN LIGHT	SEE SHEET E100
B3	4	CEILING	M4.0 - RECESSED 6IN CAN LIGHT (BLACK)	SEE SHEET E100
C0	2	SURFACE	LOW PROFILE LED 1FT	SEE SHEET E100
C1	5	SURFACE	LOW PROFILE LED 2FT	SEE SHEET E100
C2	2	SURFACE	LOW PROFILE LED 3FT	SEE SHEET E100
C3	6	SURFACE	LOW PROFILE LED 4FT	SEE SHEET E100
C4	10	SURFACE	LOW PROFILE LED 5FT	SEE SHEET E100
E1	4	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
E2	3	VARIOUS	EXISTING EMERGENCY LIGHT - SINGLE HEAD	SEE SHEET E100
E4	3	VARIOUS	EXISTING WHITE EXIT LIGHT - STANDARD RED LETTERS	SEE SHEET E100
E7	9	VARIOUS	EMERGENCY LIGHT - DUAL HEAD	SEE SHEET E100
G4	1	FLOOR	PATIO LIGHT POLE	SEE SHEET E100
H1	8	SURFACE	VAPOR PROOF HOOD LIGHT	SEE SHEET E100
J4	2	PENDANT	M4.0 - PENDANT LIGHT	SEE SHEET E100
P3	5	WALL	ACCENT LIGHT - ARTWORK LIGHT FIXTURE	SEE SHEET E100
P5	4	PENDANT	M4.0 - PENDANT LIGHT	SEE SHEET E100
P6	1	PENDANT	M4.0 - MULTI-PENDANT LIGHT	SEE SHEET E100 & A201
T1	13	TRACK	TRACK LIGHTING HEAD	SEE SHEET E100
T-6	3	SUSPENDED	M4.0 - TRACK 6'	SEE SHEET E100
T-8	1	SUSPENDED	M4.0 - TRACK 8'	SEE SHEET E100

SECURITY SYSTEM

*REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

DESCRIPTION	QTY	SUPPLIED BY	INSTALLED BY	ELEC	GAS	SEWER	WATER	REMARKS
SECURITY MONITOR	1	SSS	SSS	•				
SECURITY ALARM - MOTION DETECTORS	1	T.B.D.	T.B.D.	•				GC RESPONSIBLE FOR COORDINATING SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES)
72 HR SECURITY DVR	1	SSS	SSS	•				
CLOSED CIRCUIT T.V. CAMERA - OUTDOOR	2	SSS	SSS	•				INSTALL AT 9'-6" U.N.O.
CLOSED CIRCUIT T.V. CAMERA - INDOOR	6	SSS	SSS	•				



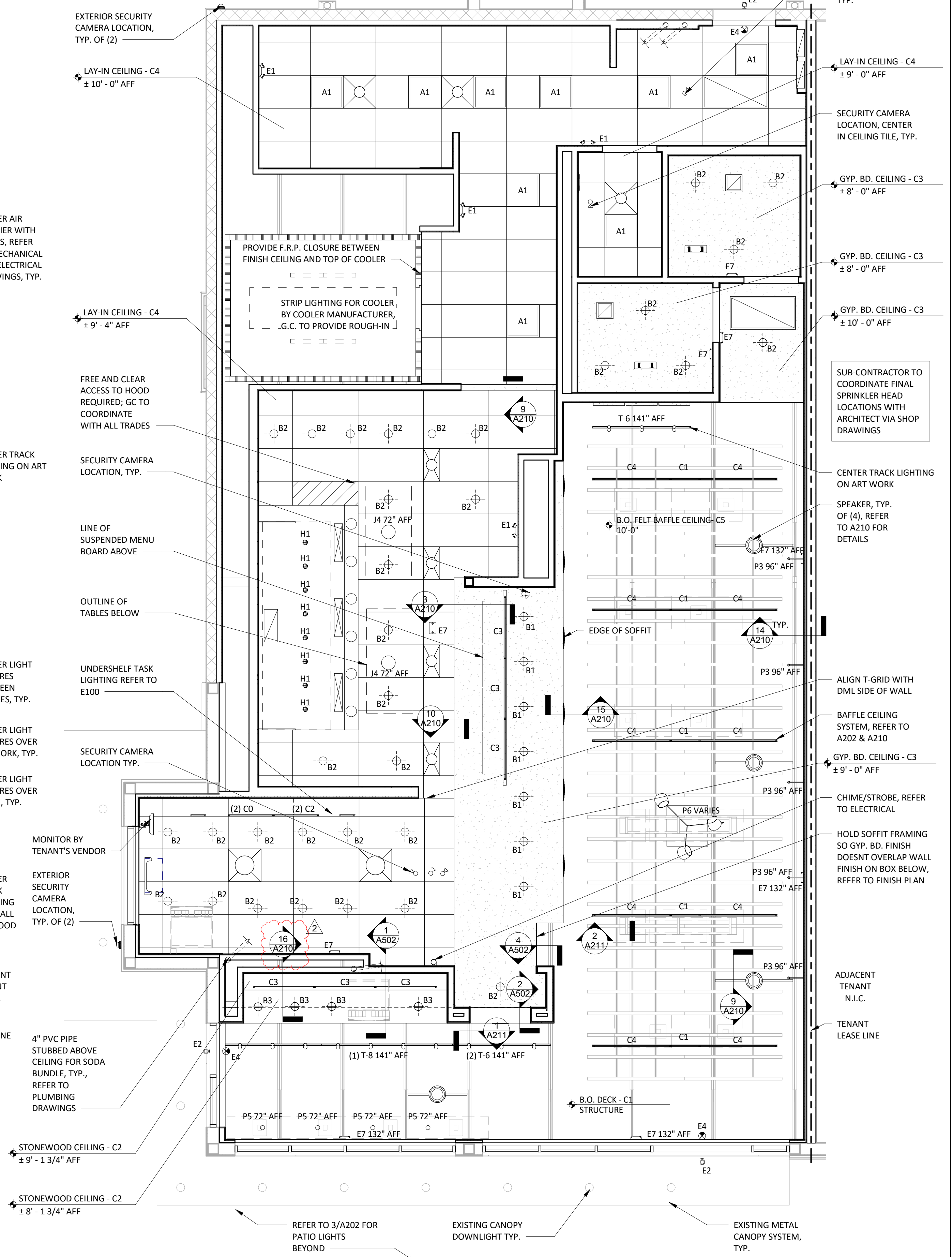
2 A201 1/4" = 1'-0" DIMENSIONED REFLECTED CEILING PLAN

CONDUIT GUIDELINES

SEE ELECTRICAL DRAWINGS FOR CONDUIT REQUIREMENTS. METAL CLAD CABLE AND FLEXIBLE METAL CONDUIT SHALL NOT BE INSTALLED IN AREAS EXPOSED TO VIEW UNLESS SPECIFICALLY NOTED OTHERWISE.

SPEAKER SCHEDULE

ITEM #	QTY	DESCRIPTION	COLOR/FINISH	MOUNT	REMARKS
SP1	4	DINING ROOM SPEAKER	BLACK	SUSPENDED	REFER TO A201 & E110 FOR DETAILS



1 A201 1/4" = 1'-0" REFLECTED CEILING PLAN

Consultant:
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Red Architecture
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2 06/05/2024	LANDLORD COMMENTS

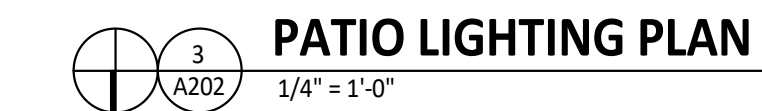
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Project No.
CMG1187

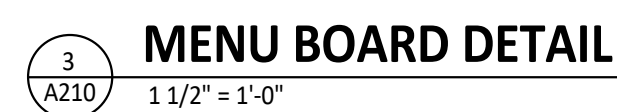
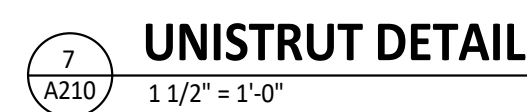
Contents:

REFLECTED CEILING PLAN

A201



A202



GENERAL NOTES

1. REFER TO EXTERIOR ELEVATIONS THIS SHEET FOR EXTERIOR SIGNAGE LOCATIONS, SIZES & DESCRIPTIONS.
2. EXTERIOR SIGNAGE PROVIDED BY TSV AND INSTALLED BY TSV. GC TO MAKE FINAL CONNECTION.

Consultant:

R/A

RedArchitecture

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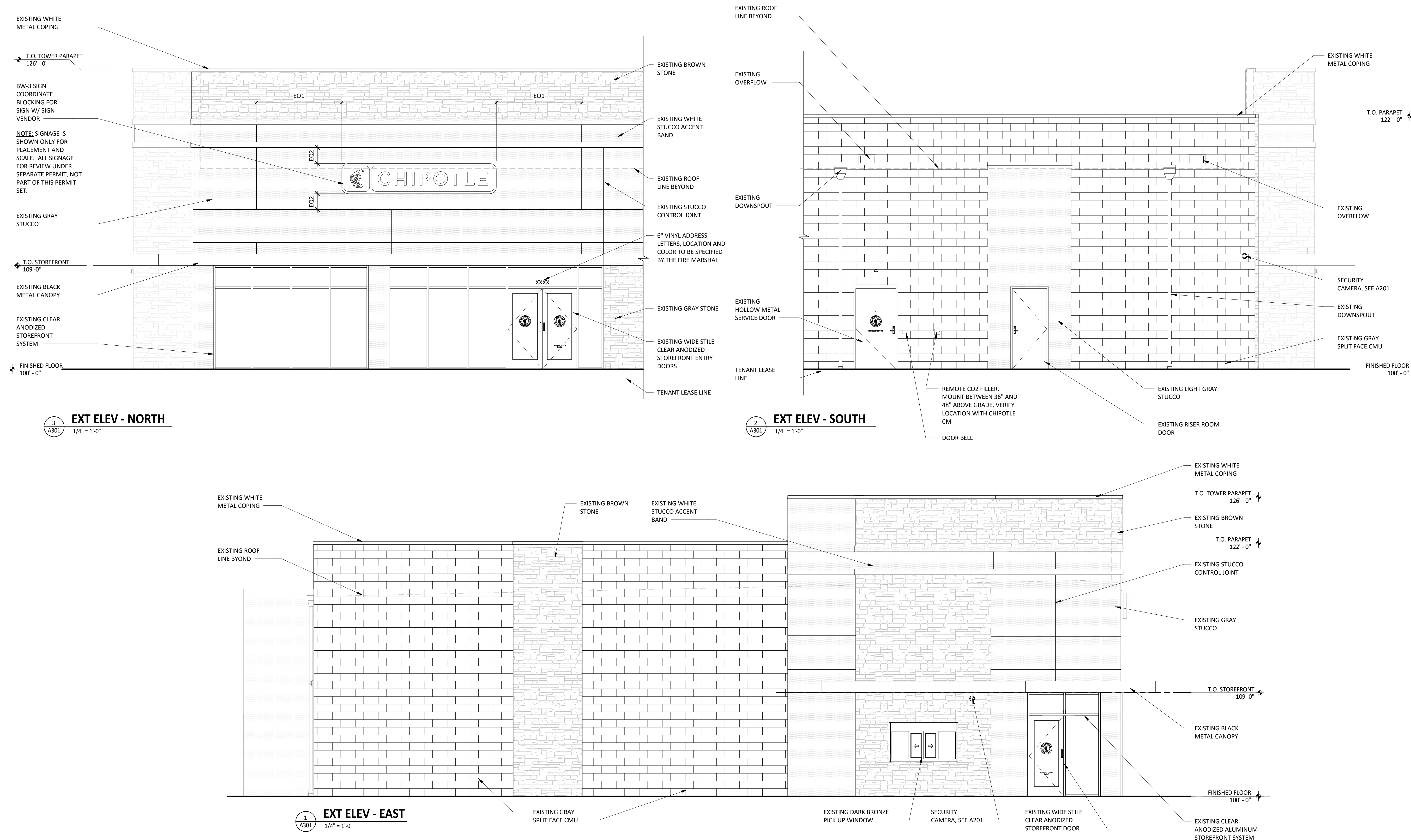
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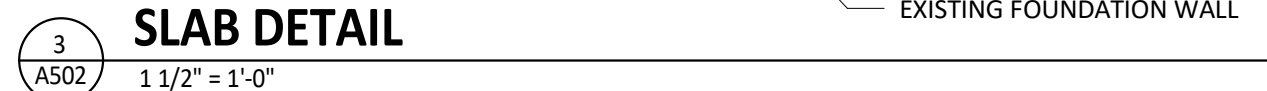
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Contents:

**EXTERIOR
ELEVATIONS**

A301





AG	ROOM	DOOR STATUS *	FRAME STATUS	DOOR DESCRIPTION	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR DOOR TYPE	DOOR DOOR FINISH	FRAME FRAME TYPE	FRAME MATERIAL	FRAME STILE	FRAME HARDWARE SET	FRAME STATUS*	FRAME FIRE RATING	FRAME REMARKS
	MAIN ENTRY	EXISTING	EXISTING	DOUBLE STOREFRONT (WIDE STILE, NON-OFFSET, PANIC)	6' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	1A	EXISTING		1,2,4,5
	UTILITY	EXISTING	EXISTING	SINGLE STOREFRONT (WIDE STILE, NON-OFFSET, PANIC)	3' - 0"	7' - 0"	0' - 1 3/4"	A	SEE A301	STOREFRONT	ALUM	WIDE (5")	2A	EXISTING		1,3,4,5
	KITCHEN	EXISTING	EXISTING	HM REAR KITCHEN (MASONRY)	3' - 6"	7' - 0"	0' - 1 3/4"	D	D2 (SEE A120)	2	H.M.	-	3	EXISTING		1,4,6
	OFFICE	NEW	NEW	MANAGER'S OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	C	D1 (SEE A120)	1	H.M.	-	4	NEW		
	MEN'S	NEW	NEW	MEN'S RESTROOM (SINGLE-OCCUPANT, STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	B	D1 (SEE A120)	1	H.M.	-	5	NEW		
	WOMEN'S	NEW	NEW	WOMEN'S RESTROOM (SINGLE-OCCUPANT, STANDARD)	3' - 0"	7' - 0"	0' - 1 3/4"	B	D1 (SEE A120)	1	H.M.	-	6	NEW		

1.	DOORS WITH REMARK #1 TO BE KEYPED THE SAME
2.	EXIT INDICATOR ARRIVES WITH SIGNS STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" AND "THIS DOOR TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED". VERIFY REQUIRED SIGN WORDING WITH LOCAL JURISDICTION PRIOR TO INSTALLATION. ONE SIGN IS TO BE PLACED IN A VISIBLE LOCATION ABOVE THE DOORS.
3.	THERE IS TO BE NO EXTERIOR HOLE OR CYLINDER
4.	USE NON-SHRINK STRUCTURAL GROUT BED UNDER THRESHOLD
5.	BLACK DOOR SWEPT TO BE USED WITH CHARCOAL, BLACK OR BRONZE STOREFRONT. LIGHT GRAY DOOR SWEPT TO BE USED WITH CLEAR ANODIZED ALUMINUM STOREFRONT
6.	REAR KITCHEN DOOR TO BE PAINTED 'BLACK' ON INTERIOR AND 'KNIGHT'S ARMOR' ON EXTERIOR U.N.O.
*IF STATUS IS "EXISTING" G.C TO DETERMINE CONDITION OF EXISTING HARDWARE. IF HARDWARE IS IN POOR CONDITION, PROVIDE HARDWARE IN HARDWARE SCHEDULE. CONFIRM REPLACEMENT WITH CHIPOTLE CM.	

12" PEPPER DISC LOGO IN HIGH PERFORMANCE, CAST VINYL COLOR: 'WHITE'

CYLINDER WITH CONCEALED RODS, REFER TO DOOR HARDWARE

HOURS OF OPERATION 1.125" FONT: GOTHAM MEDIUM COLOR: 'WHITE'

TEMPER INSULATED GLASS

TYP. DOORS, REFER TO DOOR SCHEDULE FOR STILE

4' - 2"

EQ

EQ

EQ

EQ

10:45 AM - 11:00 PM DAILY

2' - 0"

MAIN/SINGLE ENTRY DOOR

12" PEPPER DISC LOGO IN HIGH PERFORMANCE CAST VINYL COLOR: 'WHITE' OR 'BLACK' CONFIRM PRIOR TO ORDERING

SERVICE ENTRANCE 1.125" FONT: GOTHAM MEDIUM COLOR: 'WHITE'

SERVICE ENTRANCE

4' - 2"

EQ

EQ

3' - 4"

TYP. METAL SERVICE DOOR

SERVICE DOOR

SET 1A - MAIN ENTRY - PAIR - NON-OFFSET - PANIC HARDWARE		
(2)	HINGE	HAGER, MODEL 780-224HD-83" CLR
(1)	MORTISE CYLINDER	SCHLAGE, MODEL 80-103, BRUSHED CHROME; C.O. CYLINDER AT 34" MIN. FROM BOTTOM OF DOOR
(1)	TEMP CORE	SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE, (BRUSHED CHROME)
(2)	PUSH HARDWARE	ADAMS RITE, MODEL 8611-36 (ALUMINUM FINISH, 36" DOOR); C.O. EXIT DEVICE AT 38" FROM BOTTOM OF DOOR
(2)	PULL HARDWARE	HAGER, MODEL 4G US32D (8" CTC), CENTER ON DOOR STILE
(2)	CLOSER	DORMA, MODEL 8916-AF89P-689 (TOP JAMB), (ALUMINUM)
(2)	DOOR STOP	IVES, MODEL FS185 (ALUMINUM)
(2)	OVERHEAD STOP	GLYNN-JOHNSON, MODEL 4545-SP28 (ALUMINUM)
(2)	CLOSER BACK PLATE	DORMA, MODEL BP89, ALUMINUM
(1)	THRESHOLD	REESE, MODEL 5424A-72 (SIZE 72")
(1)	SMOKE SEAL	REESE, MODEL 797B-21
(2)	DOOR SWEEP	PEMKO, MODEL SFS5-200-36 (36" DOOR), OWNER FURNISHED

(1)	HINGE	HAGER, MODEL 780-224HD-83 "CLR
(1)	PUSH HARDWARE	ADAMS RITE, MODEL 8801-36-628 (ALUMINUM FINISH, 36" DOOR); C.O. EXIT DEVICE AT 38" FROM BOTTOM OF DOOR
(1)	PULL HARDWARE	ADAMS RITE, MODEL 46 US32D, 18" CTC.; CENTER ON DOOR STYLE
(1)	CLOSER	ADAMS RITE, MODEL 9915-AT89D-689 (TOP JAMB), (ALUMINUM)
(1)	CLOSER BACK PLATE	DORMA, MODEL BP89, ALUMINUM
(1)	OVERHEAD STOP	GLYNN-JOHNSON, MODEL 4545-US32D (ALUMINUM)
(1)	THRESHOLD	REESE, MODEL 5424A-36 (SIZE 36")
(1)	SMOKE SEAL	REESE, MODEL 797B-21
(1)	DOOR SWEEP	PEMKO, MODEL SF5C-200-36 (36" DOOR), OWNER FURNISHED
(1)	DOOR STOP	IVES, MODEL FS185 (ALUMINUM)

(1)	HINGE	HAGER, MODEL 780-224HD-83"-CLR
(1)	PUSH HARDWARE	FALCON, MODEL 25-R-EO-4"-US28 (SIZE 42")
(1)	PULL HARDWARE	FALCON, MODEL 510L-DANE-LHR-US26D, ALUMINUM (EXTERIOR SIDE)
(1)	RIM CYLINDER	GLS, MODEL R1C-7-LZ-626
(1)	TEMP CORE	SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (FINISH: BRUSHED CHROME)
(1)	CLOSER	DORMA, MODEL 8916-4BP89-68B (TOP JAMB), ALUMINUM
(1)	CLOSER BACK PLATE	DORMA, MODEL BP89, ALUMINUM
(1)	THRESHOLD	REESE, MODEL S239A-42, (SIZE 42")
(1)	WEATHERSTRIP	REESE, MODEL D575C-4070
(1)	DOOR SWEEP	PEMKO, MODEL SF5C-200-42 (42" DOOR) (BLACK) OWNER FURNISHED
(1)	DOOR VIEWER	IVES, MODEL U698H26D, C.O. VIEWER AT 60° FROM BOTTOM OF DOOR
(1)	DOOR SILENCERS	IVES, MODEL SR64
(1)	DOOR BUZZER	TRINE, MODEL 240
(1)	KICKPLATE	HIAWATHA, MODEL KP834-US32D

(3)	HINGE	STANLEY, MODEL FBB179-4.5-US26 (06-8438)
(1)	LOCKSET	SCHLAGE, MODEL 19453L-06A-626
(1)	TEMP CORE	SCHLAGE, MODEL 80-035 INTERCHANGEABLE CORE (FINISH: BRUSHED CHROME)
(1)	KICKPLATE	HIAWATHA, MODEL KP834-32D
(1)	DOOR STOP	DON-JO, MODEL 1407-630, STAINLESS STEEL
(3)	DOOR SILENCERS	IVES, MODEL SR64
(1)	SECURITY WINDOW	AIR LOUVERS, MODEL VSL1212TEMPKAC SLIMLINE 12" x 12" x 1/4" LITE KIT (10" x 10" GLASS VISIBLE)

(3)	HINGE	STANLEY, MODEL FBB179-4.5-U526 (06-8438)
(1)	CLOSER	FALCON, MODEL: SC61RW/PxwALU
(1)	LOCKSET	SCHLAGE, MODEL AL40S-NEP-626
(1)	DOOR STOP	DON-JO, 1407-630
(3)	DOOR SILENCERS	IVES, MODEL SR64
(2)	KICKPLATE	HIAWATHA, MODEL KP834-32D
(1)	COAT HOOK	MILLS, MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" AFF

(3)	HINGE	STANLEY, MODEL FBB179-4.5-US26 (06-8438)
(1)	CLOSER	FALCON, MODEL SC61RW/PAXALU
(1)	LOCKSET	SCHLAGE, MODEL AL40S-NEP-626
(1)	DOOR STOP	DON-JO, 1407-630
(3)	DOOR SILENCERS	IVES, MODEL SR64
(2)	KICKPLATE	HIAWATHA, MODEL KP834-32D
(1)	COAT HOOK	MILLS, MODEL FT6519, SUPPLIED BY WASHROOM ACCESSORIES VENDOR, MOUNT T.O. HOOK AT 47 1/2" AFF

1. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
2. LATCHES, HANDLES, PANIC BARS AND ALL DOOR HARDWARE WILL COMPLY WITH SECTION 7.2 OF NFPA 101 PER THE SPECIFICATIONS.
3. THE MANAGER HAS A KEY TO UNLOCK RESTROOM DOORS, FROM THE OUTSIDE IN CASE OF AN EMERGENCY.
4. ALL DOORS TO REMAIN UNLOCKED DURING BUSINESS HOURS.
5. SEE THIS SHEET FOR EXTERIOR DOOR SIGNAGE INFO.
6. MAXIMUM EFFORT TO OPERATE EXTERIOR OR INTERIOR DOORS WITH CLOSERS SHALL NOT EXCEED 5 POUNDS. THIS MAY BE INCREASED TO 15 POUNDS FOR FIRE-RATED DOORS.
7. ALL FRAMES, DOORS AND HARDWARE TO BE FURNISHED BY TENANT HARDWARE SUPPLIER AND INSTALLED BY TENANT G.C. CALL PETE KULMEK WITH TWIN CITY HARDWARE AT 763-535-4660 TO ARRANGE DELIVERY. STOREFRONT DOORS ARE TO BE PROVIDED BY LANDLORD. STOREFRONT HARDWARE PROVIDED BY LANDLORD.
8. THE BOTTOM 10 INCHES OF ALL DOORS SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
9. ALL SUPPORT SIGNAGE PROVIDED BY TENANT'S SUPPORT SIGNAGE SUPPLIER.
10. ALL SUPPORT SIGNAGE INSTALLED BY G.C.
11. ALL HARDWARE SHALL MATCH STOREFRONT, VERIFY WITH ARCHITECT PRIOR TO ORDERING

[illegible]

Diagram illustrating the TOP JAMB MOUNT INSTALLATION for a door closer. The diagram shows the door closer assembly mounted to the top of the door jamb. Labels include:

- STOREFRONT
- INSTALL CLOSER ONTO HEAD JAMB AS SHOWN - INSTALL W/ OPTIONAL BACK PLATE WHERE HEAD JAMB DIMENSION IS LESS THAN 3"
- DOOR CLOSER
- DOOR - REFER TO SCHEDULE

TOP JAMB MOUNT INSTALLATION. (NOTE THAT BACKPLATE IS MISSING IN THIS INSTALLATION BECAUSE HEAD JAMB IS OF ADEQUATE HEIGHT TO RECEIVE ALL MOUNTING SCREWS WITHOUT IT.) WHEN IN DOUBT ABOUT THE HEAD JAMB DIMENSION OR STABILITY, ORDER THE BACKPLATE.

A601

 DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.

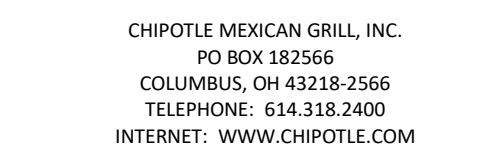
1. REFER TO SHEET A131 AND A132 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.

- | | |
|----|--|
| 2. | REFER TO A120 FOR FINISH SCHEDULE. |
| 3. | REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT
FIXTURE SCHEDULE. |

R/A

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COLUMBUS, OHIO 43215 (614) 487-8770

BOA



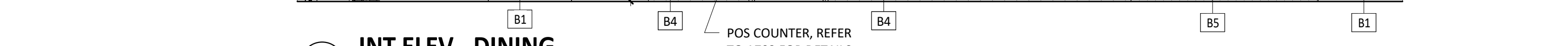
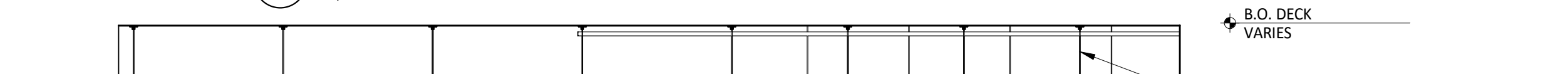
Issue Record:

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Project No. _____

Contents:

A 701



 DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.

 DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.

1.	REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
2.	PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
3.	REFER TO A120 FOR FINISH SCHEDULE
4.	REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

1.	REFER TO SHEET A131 FOR EQUIPMENT LIST AND FURNITURE SCHEDULE.
2.	PROVIDE FULL HEIGHT BLOCKING IN WALL FOR ALL SHELVING, TYP.
3.	REFER TO A120 FOR FINISH SCHEDULE
4.	REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

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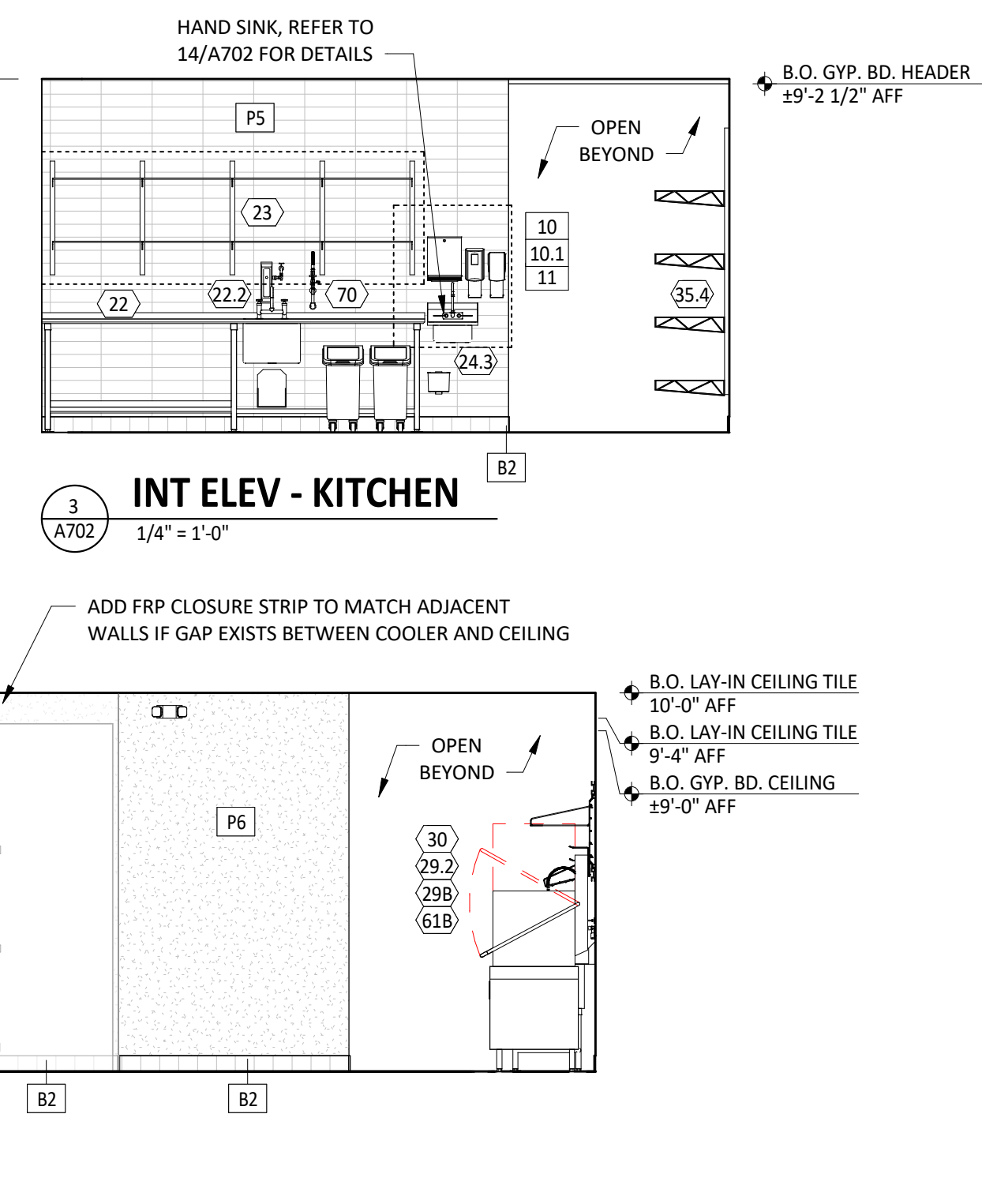
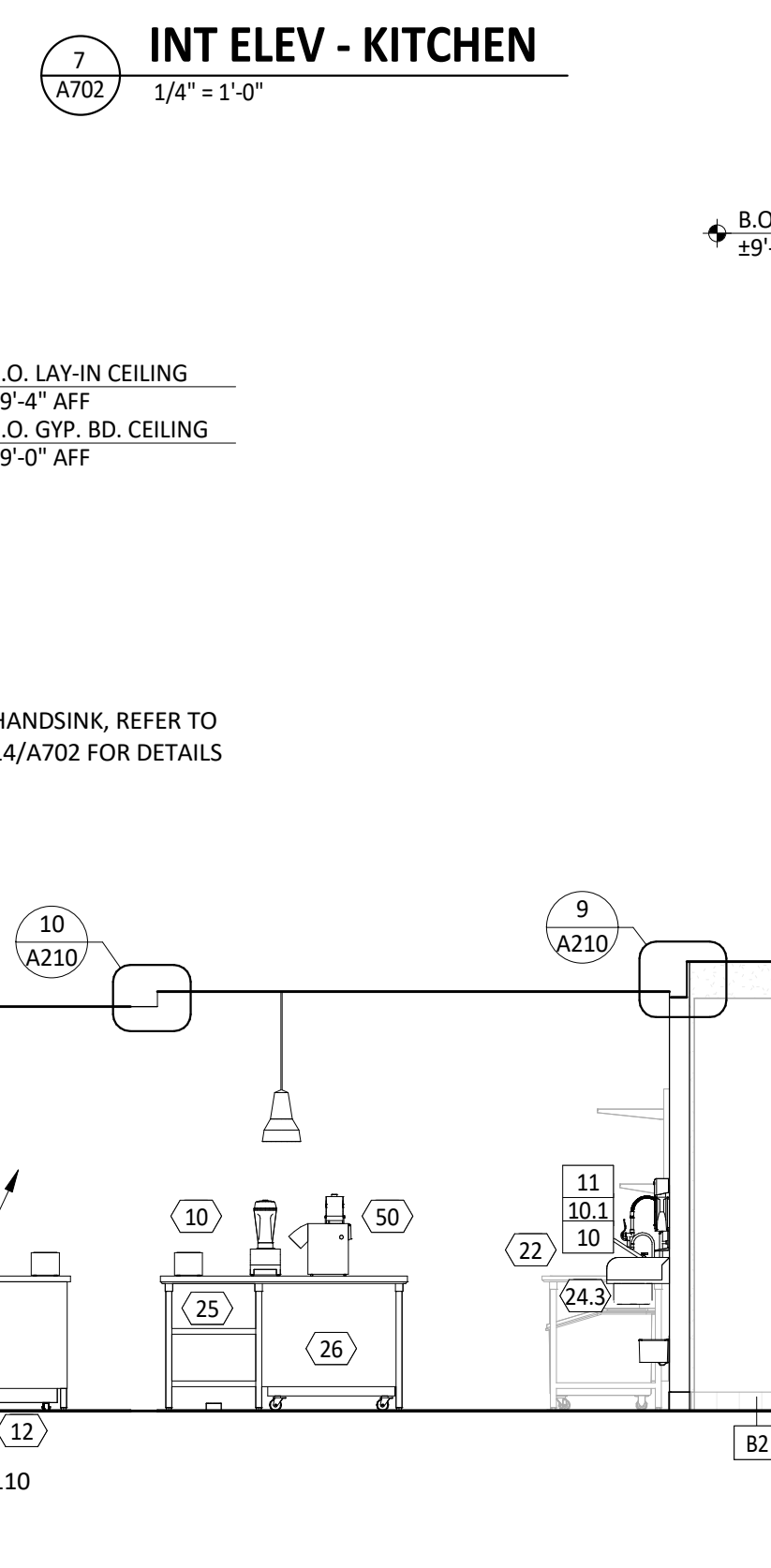
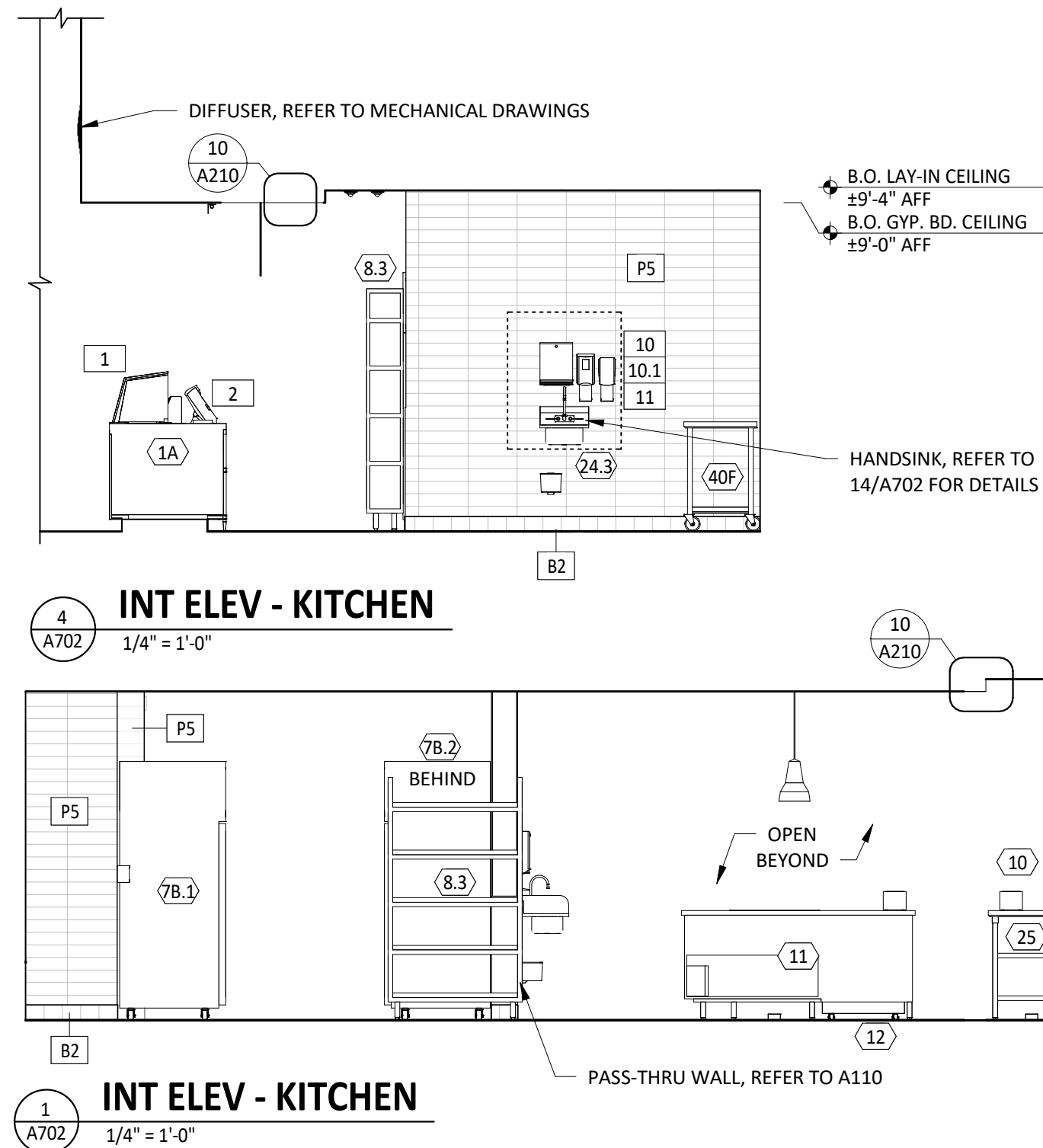
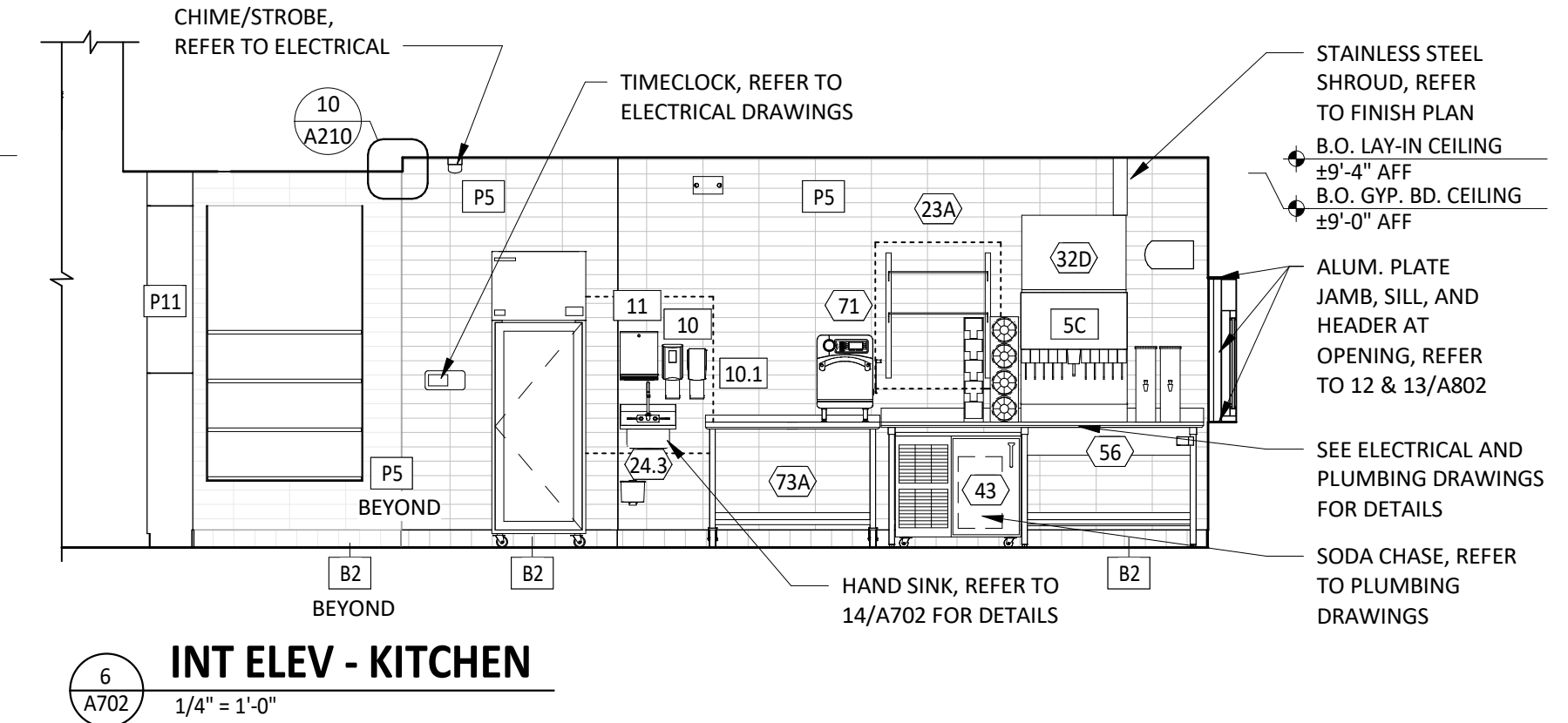
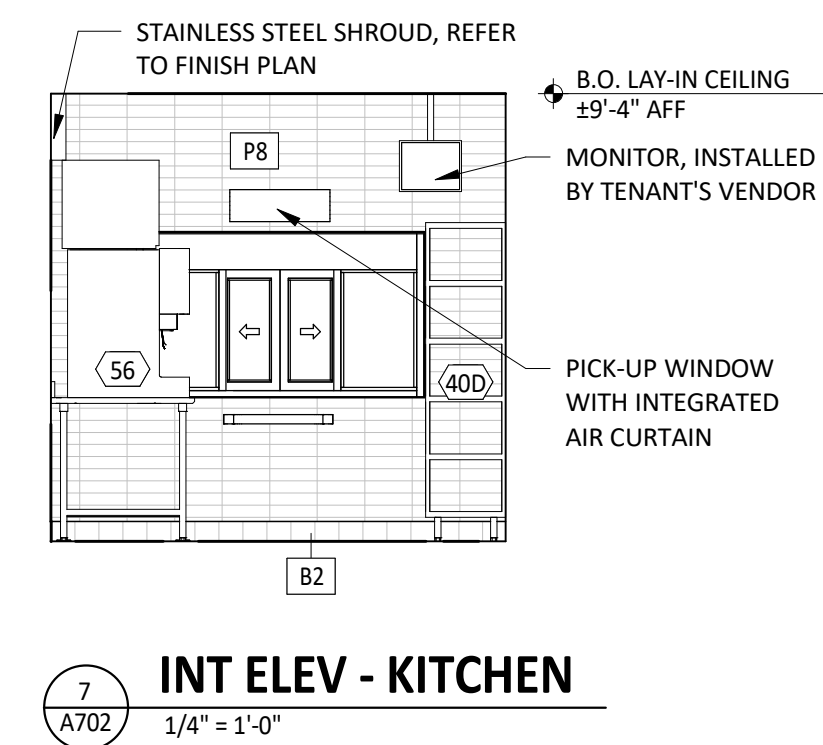
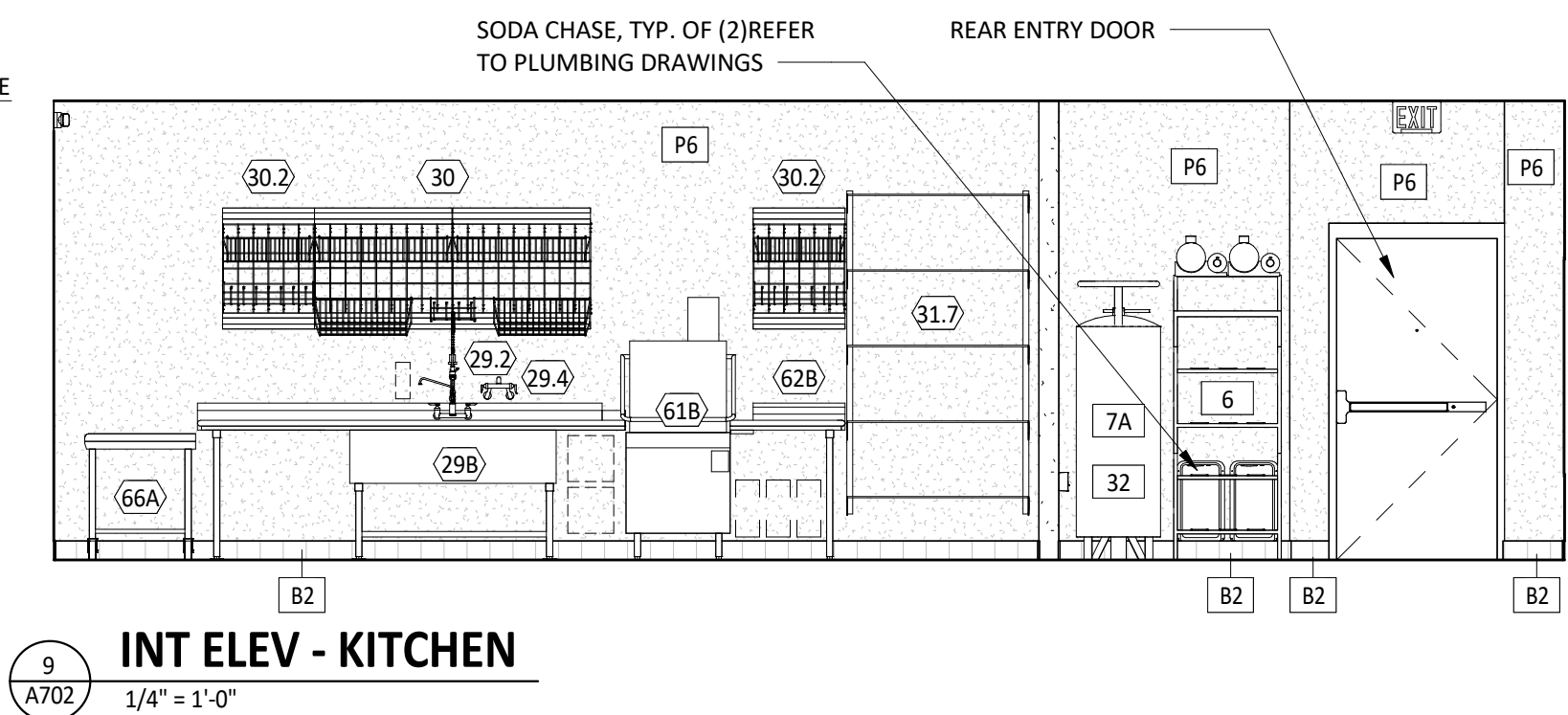
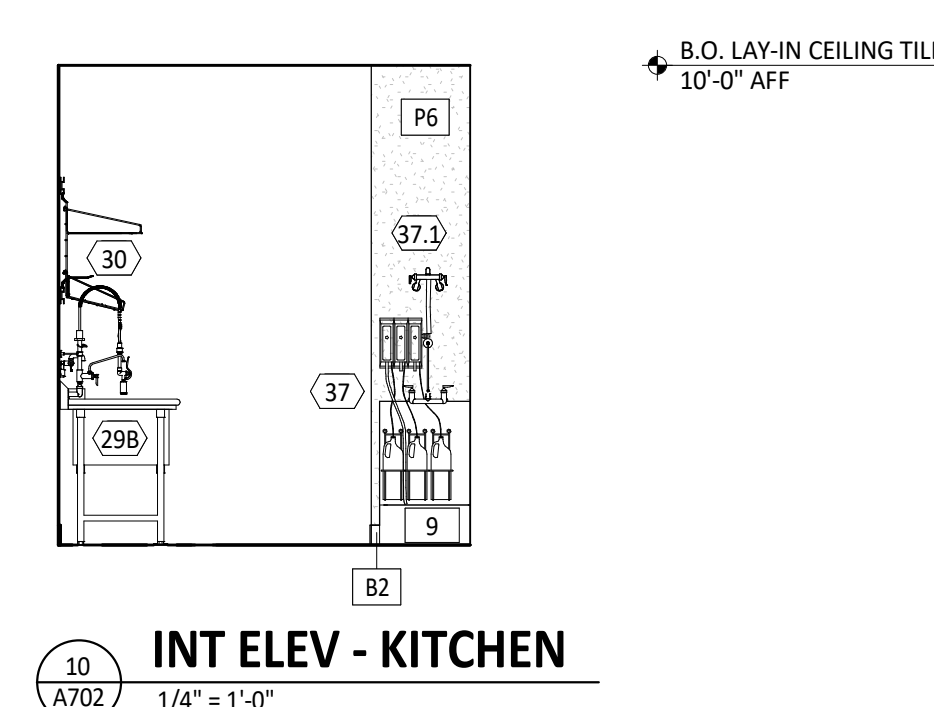
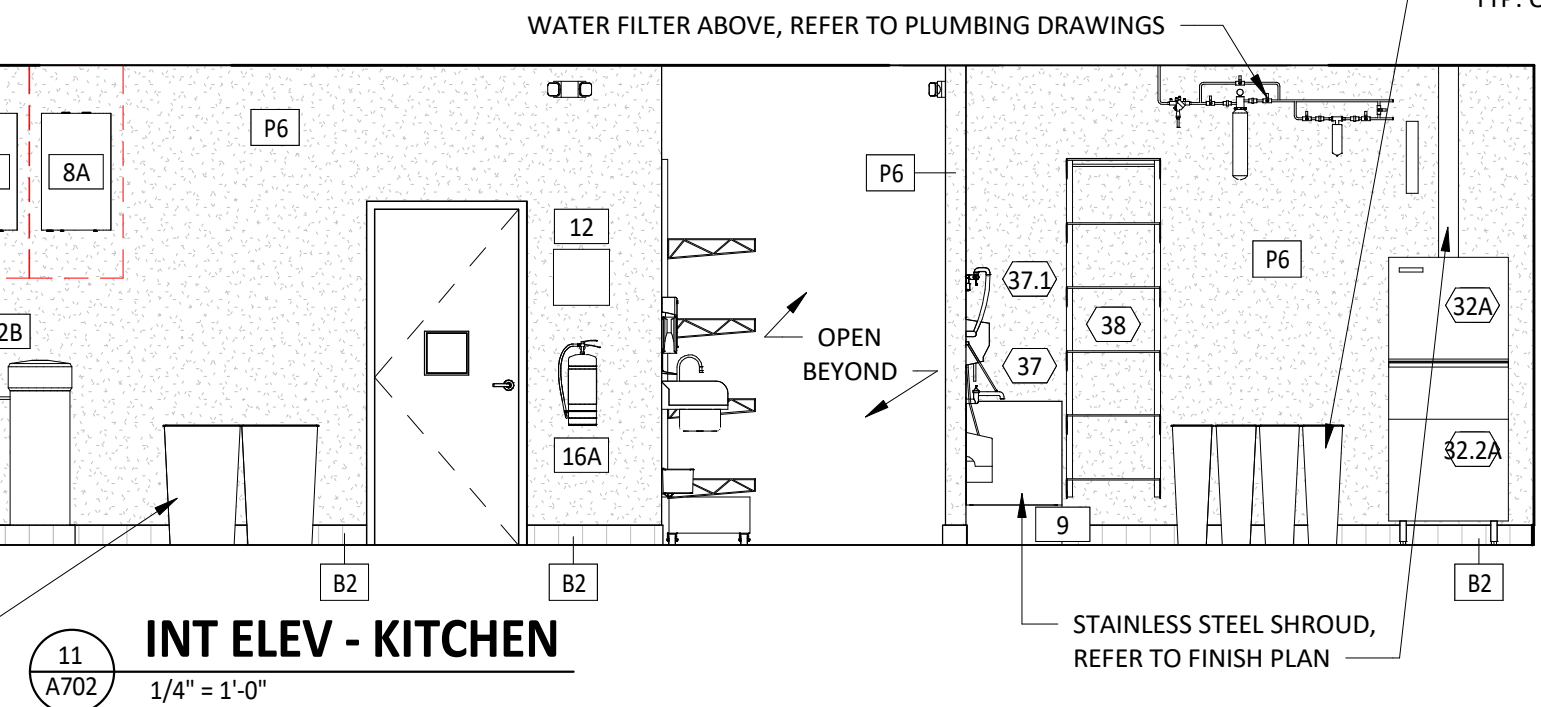
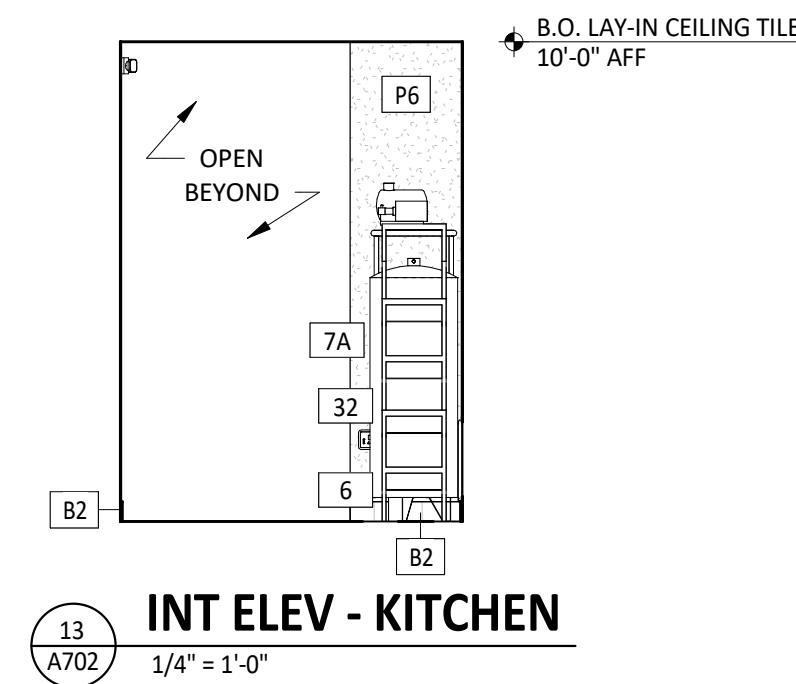
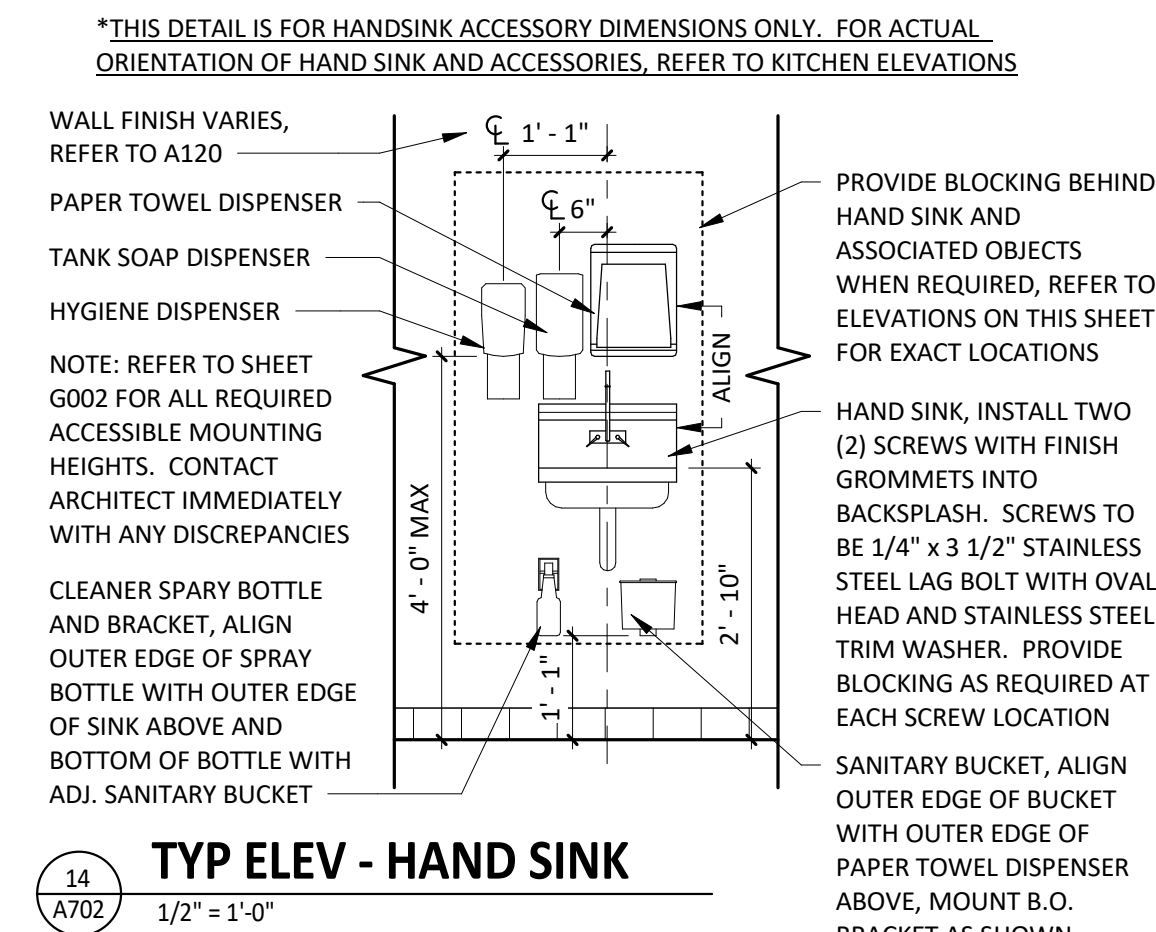
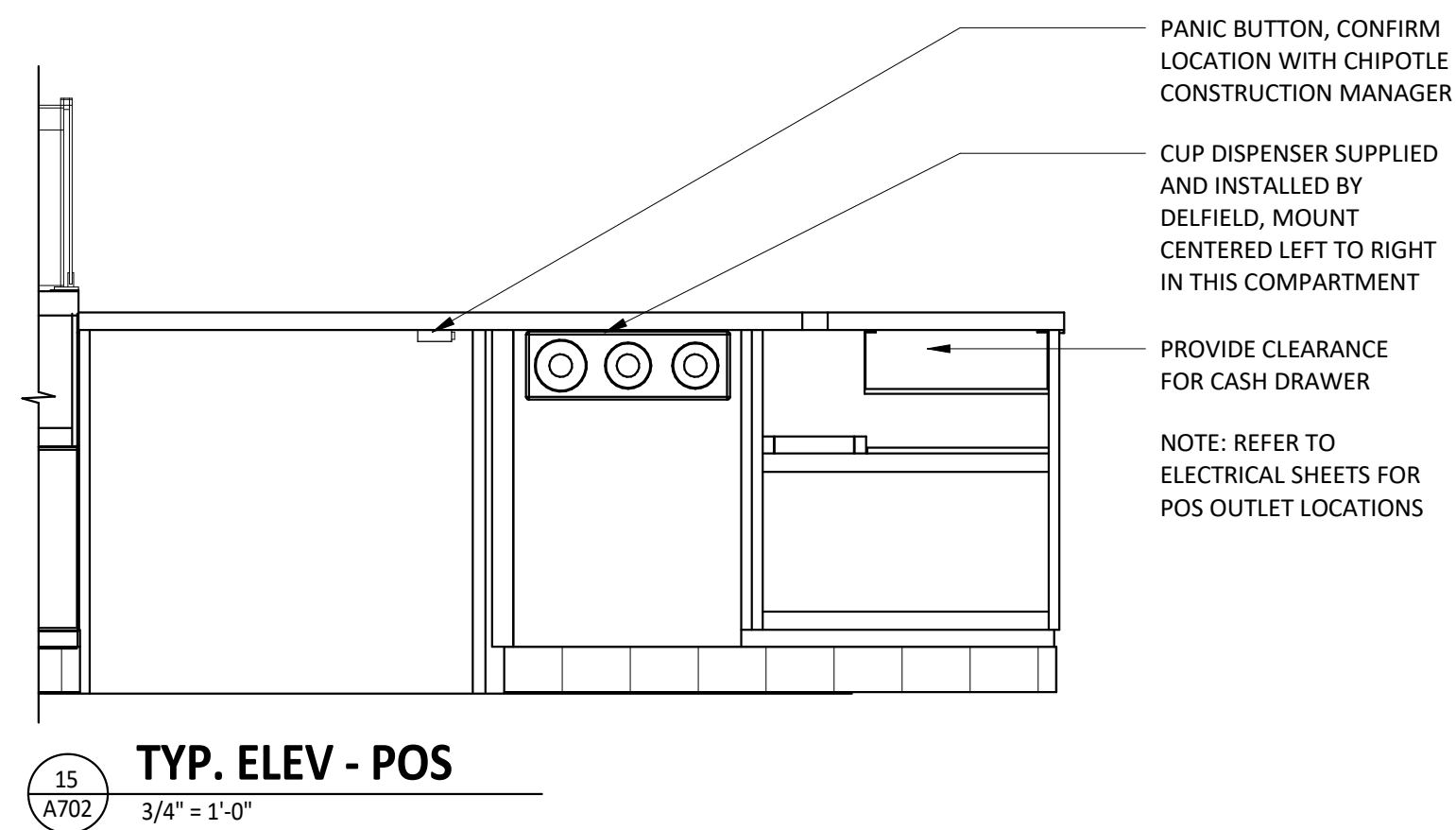
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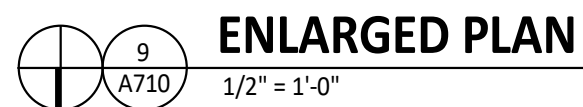
A702



ITEM #	DESCRIPTION	MANUF	MODEL	QTY	PROVIDED BY	INSTALLED BY	UTILITY				MOUNTING HEIGHT	REMARKS
							ELEC	GAS	WATER	SEWER		
1A	Grab Bar - 36in	ASI	3501-36	2	WA	GC					36" AFF to Top of Grasping Surface	Provide Plywood Blocking to Mount to Wall
1C	Grab Bar - 18in	ASI	3501-18	2	WA	GC					40" AFF to Centerline of Bottom Return	Provide Plywood Blocking to Mount to Wall
1D	Grab Bar - 48in	ASI	3501-48	2	WA	GC					36" AFF to Top of Grasping Surface	Provide Plywood Blocking to Mount to Wall
3A	Vandal Proof Mirror	Sentry Mirror	20" x 30" Vandal Proof Mirror	2	TS	GC					Bottom Edge of Reflecting Surface at 40" AFF	Provide Plywood Blocking to Mount to Wall
5	Touch-Free Soap Dispenser	Purell	CS8	2	WA	GC					47 1/2" AFF to Top of Unit	
7	Recessed Toilet Paper Dispenser	ASI	0031	2	WA	GC					29" AFF to Top of Unit	Recess Mounted in Wall - Rough Opening: 6 1/4"W X 12 1/4"H X 3 3/8"D Top of Rough Opening: 29 1/4" AFF
8	Utility Shelf	ASI	0692	1	WA	GC					46" AFF To Top Of Shelf	Provide Toggle Bolts to Mount to Wall
9	Recessed Convertible Paper Towel Dispenser and Waste Receptacle, Recess Mounted in Wall	Bobrick	B-3944	2	WA	GC					Bottom of Unit at Top of Base, Bottom of Dispenser to be at 40" AFF, Recess Mounting In Wall	Rough Opening: 16"W x 54 3/4"H x 4" D. Provide Plywood Blocking to Mount to Wall
12	Napkin Disposal - Recessed	ASI	0473	1	WA	GC					Top of Rough Opening @ 29" AFF	Recess Mounted in Wall - Rough Opening: 11 1/4"W X 15 3/4"H X 4"D
14	Restroom Hand Sink	SEE MEP	SEE MEP	2	GC	GC				●	Mount Bottom of Front Edge Of The Sink At Exactly 29" AFF	
14.1	Restroom Hand Sink Faucet	T&S	EC-3102-TMV-LF-05	2	KES	GC				●		To Be Furnished With .5 GPM Aerator Installed. Thermostatic mixing valve is also included.
15	Hand Sanitizer Dispenser	Purell	ES8	2	WA	GC					Align T.O. Unit With T.O. Soap Dispenser	
16A	Surface Mounted Horizontal Baby Changing Station	Koala Care	KB200-05	2	WA	GC					Mount Bottom of Open Changing Bed at Exactly 27" AFF	GC to Provide adequate blocking to support the baby changing equipment. Blocking shall be installed in such a manner to not damage or compromise the rated assembly of the existing wall construction

1.	ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTES.
2.	REFER TO A802 FOR TILE NOTES.
3.	ALL ACCESSORIES SHALL BE AS MANUFACTURED BY AMERICAN SPECIALTIES INC OR TENANT APPROVED EQUIVALENT UNLESS DESIGNATED OTHERWISE. PROVIDE SOLID FRT WOOD BLOCKING AS NECESSARY FOR INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS. SEE SHEET G002 FOR ACCESSIBILITY GUIDELINES & MOUNTING HEIGHT REQUIREMENTS.
4.	REFER TO A120 FOR FINISH SCHEDULE.
5.	REFER TO A201 AND ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.

 DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.



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OCOEE, FL 32703

Issue Record:	
03/20/2024	PERMIT SET
06/05/2024	BID SET
Revisions:	
Drawn:	Checked:
JOM	CS, DF
Project No.	
CMG1187	
Contents:	

RESTROOM DETAILS

A710

NOTE: ALL CONCEALED
WOOD TO BE FRT RATED

Consultant:

R/A

Red Architecture

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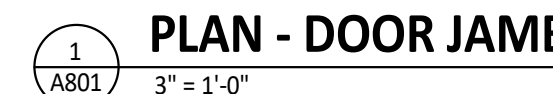
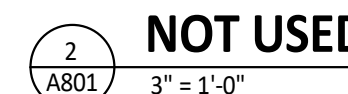
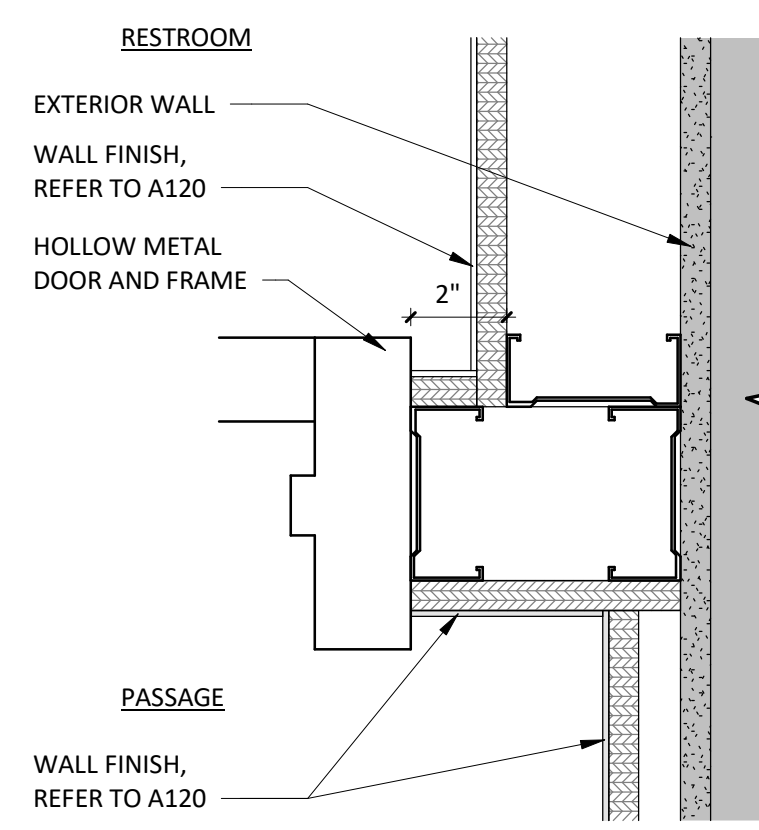
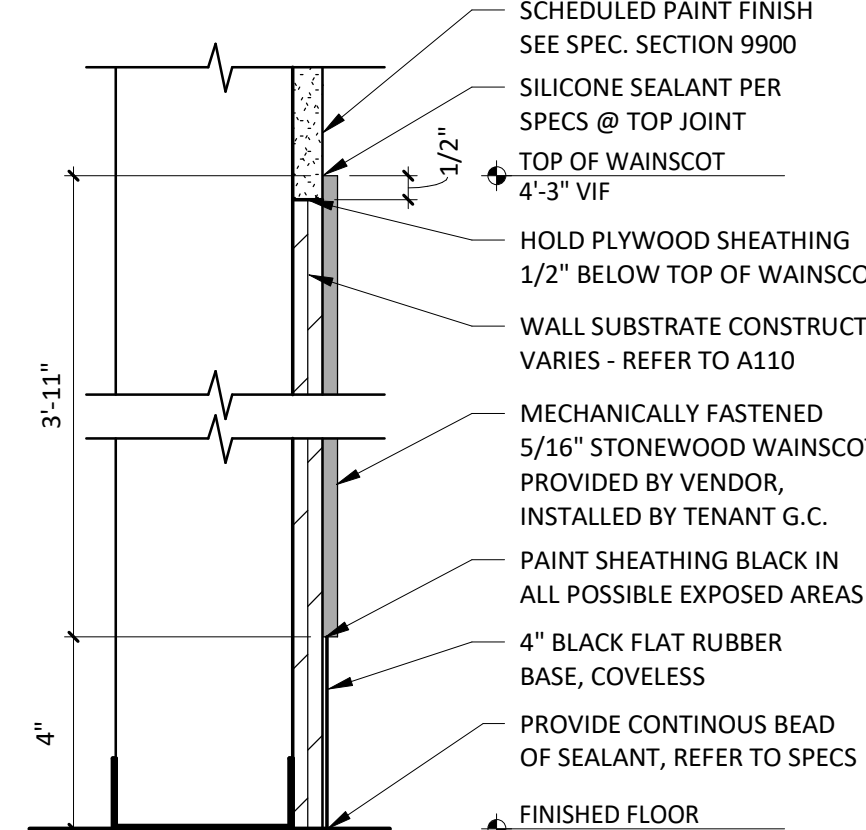
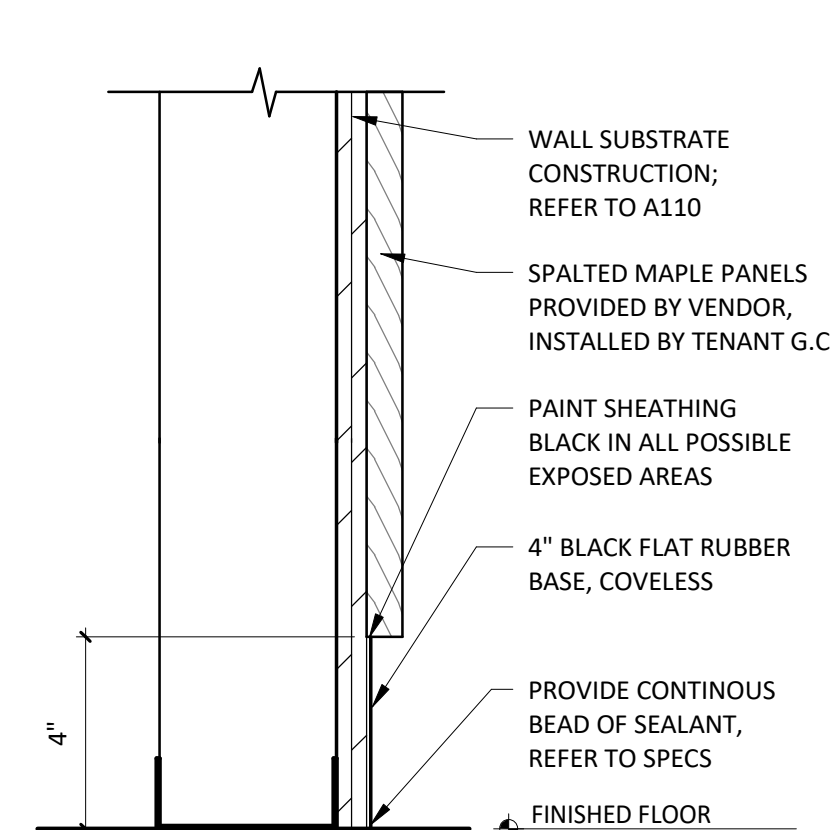
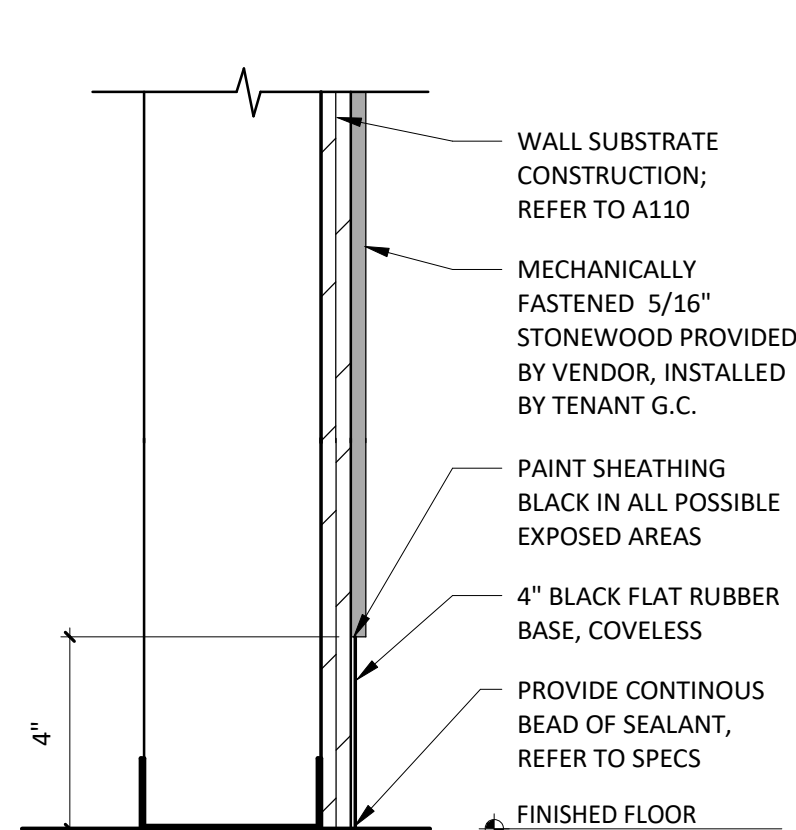
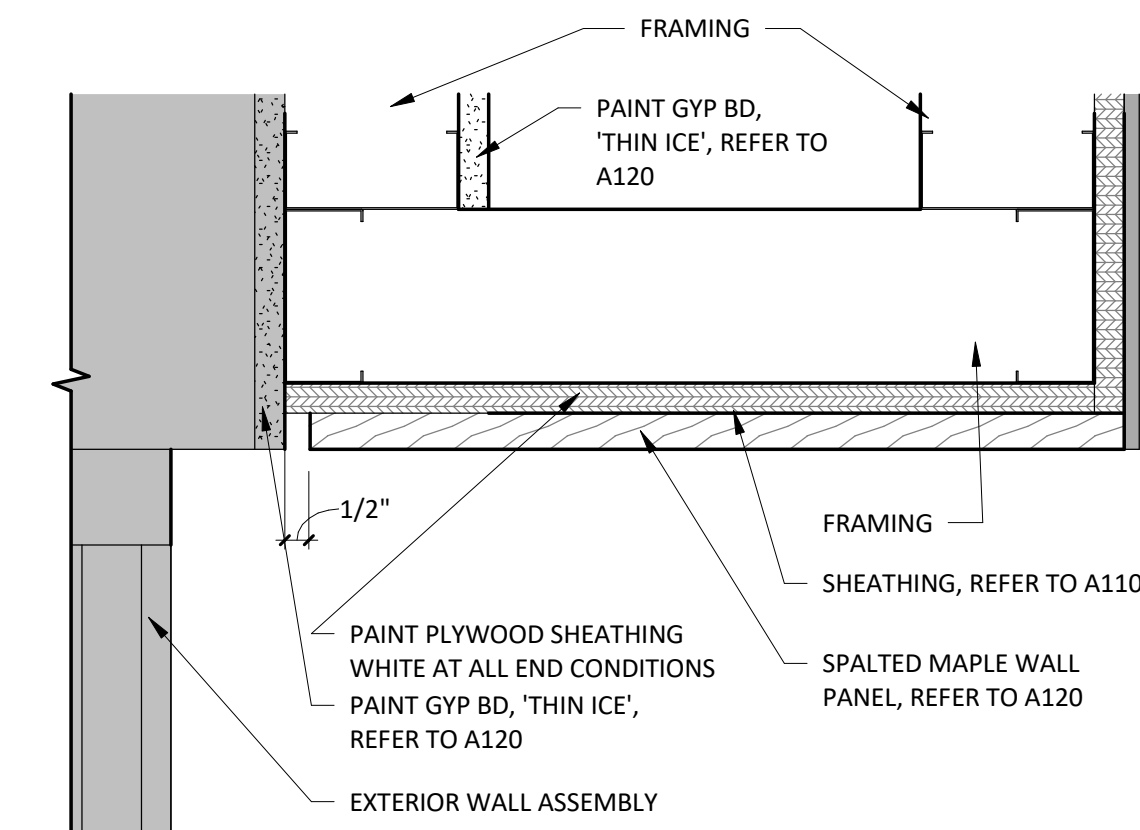
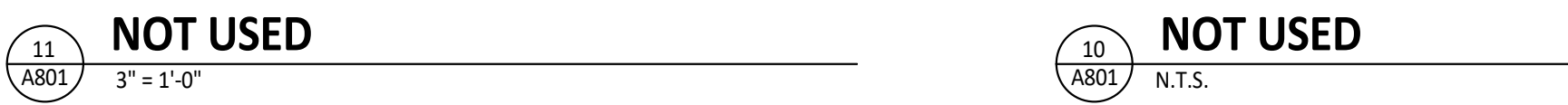
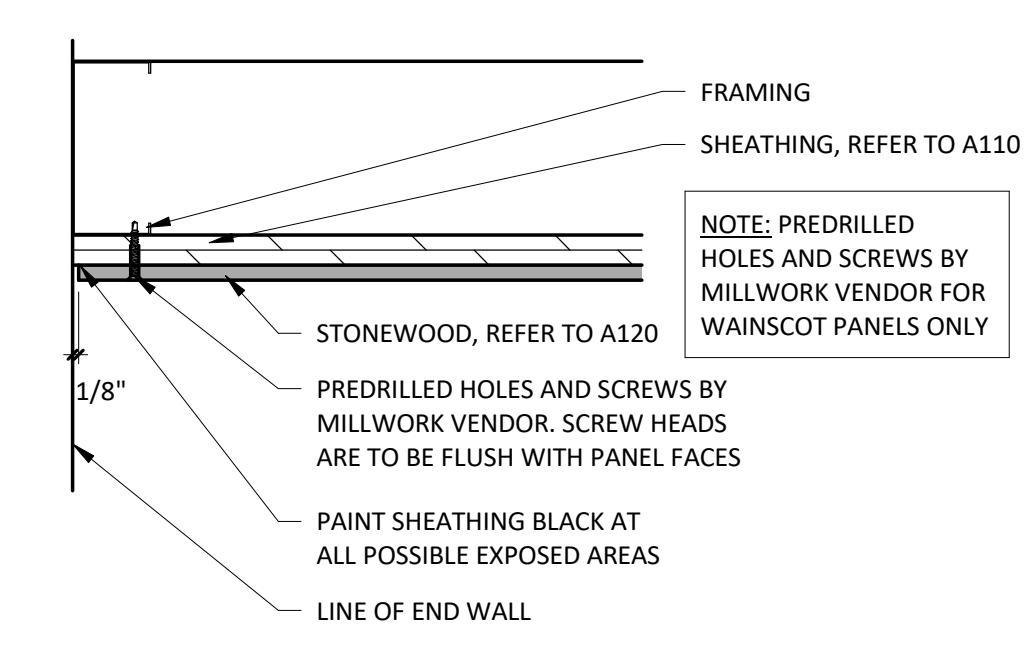
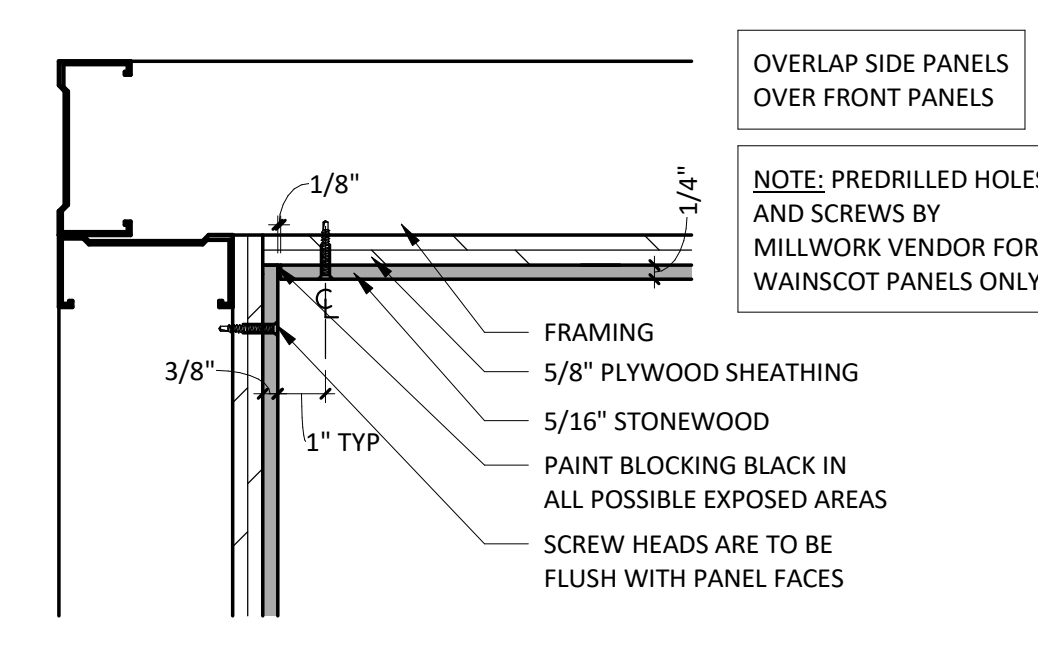
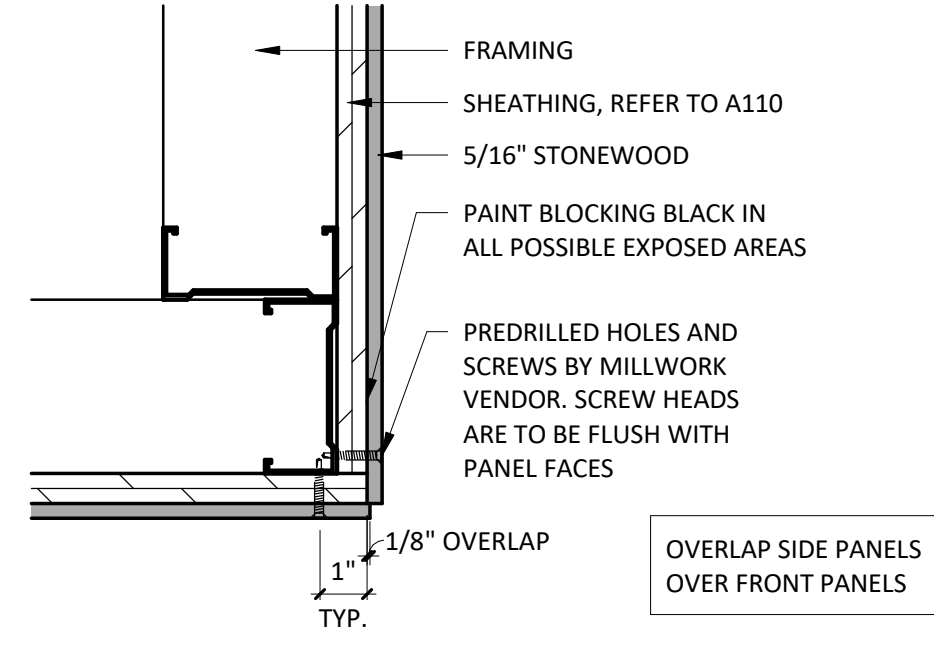
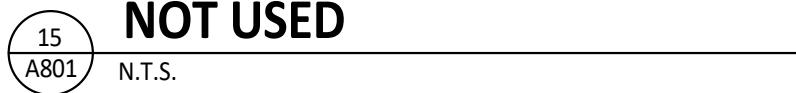
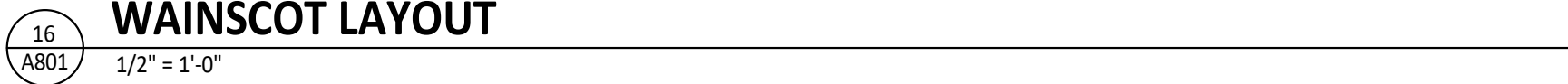
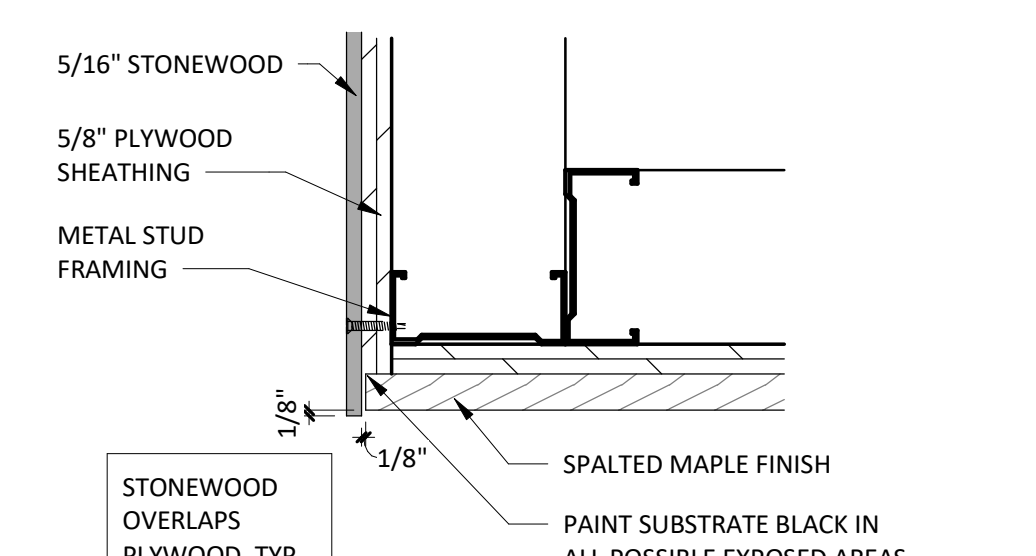
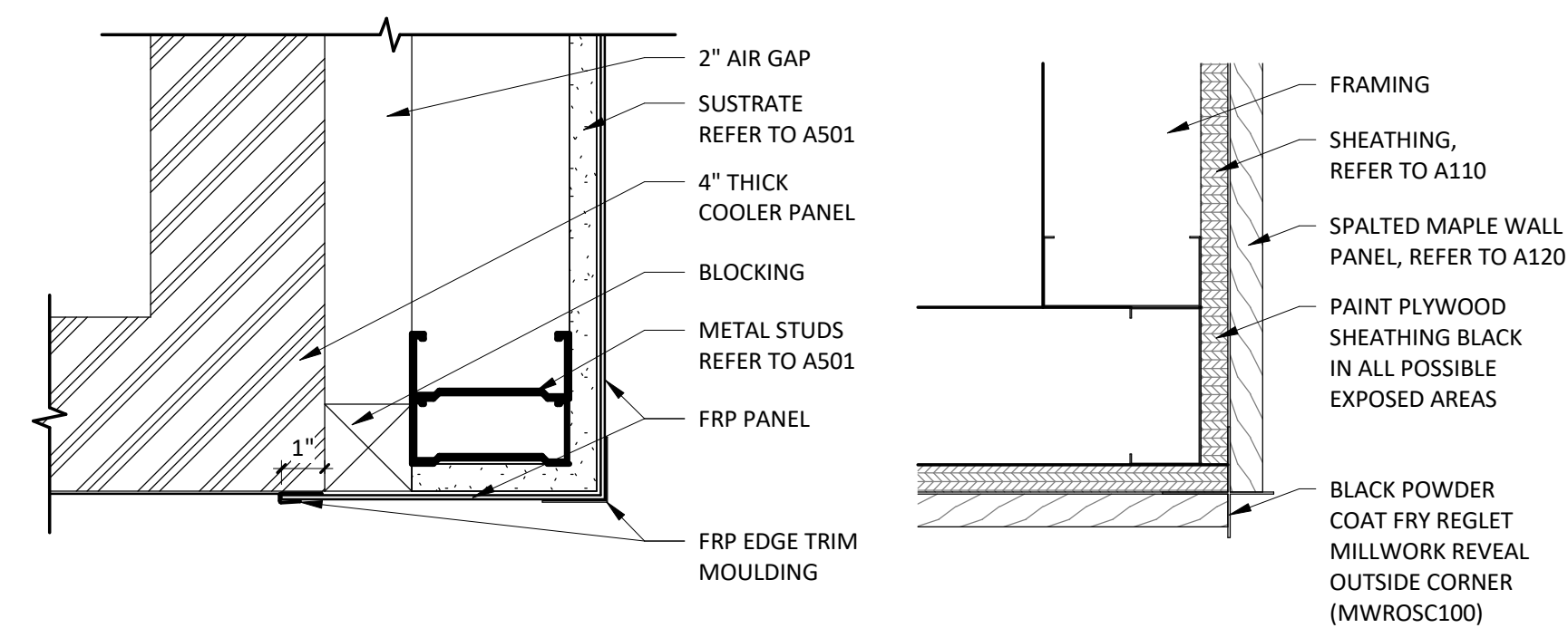
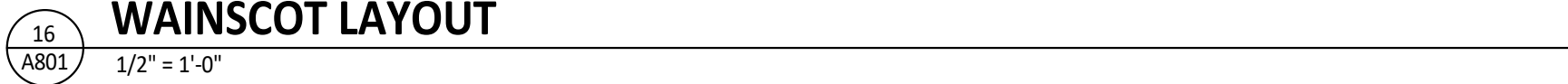
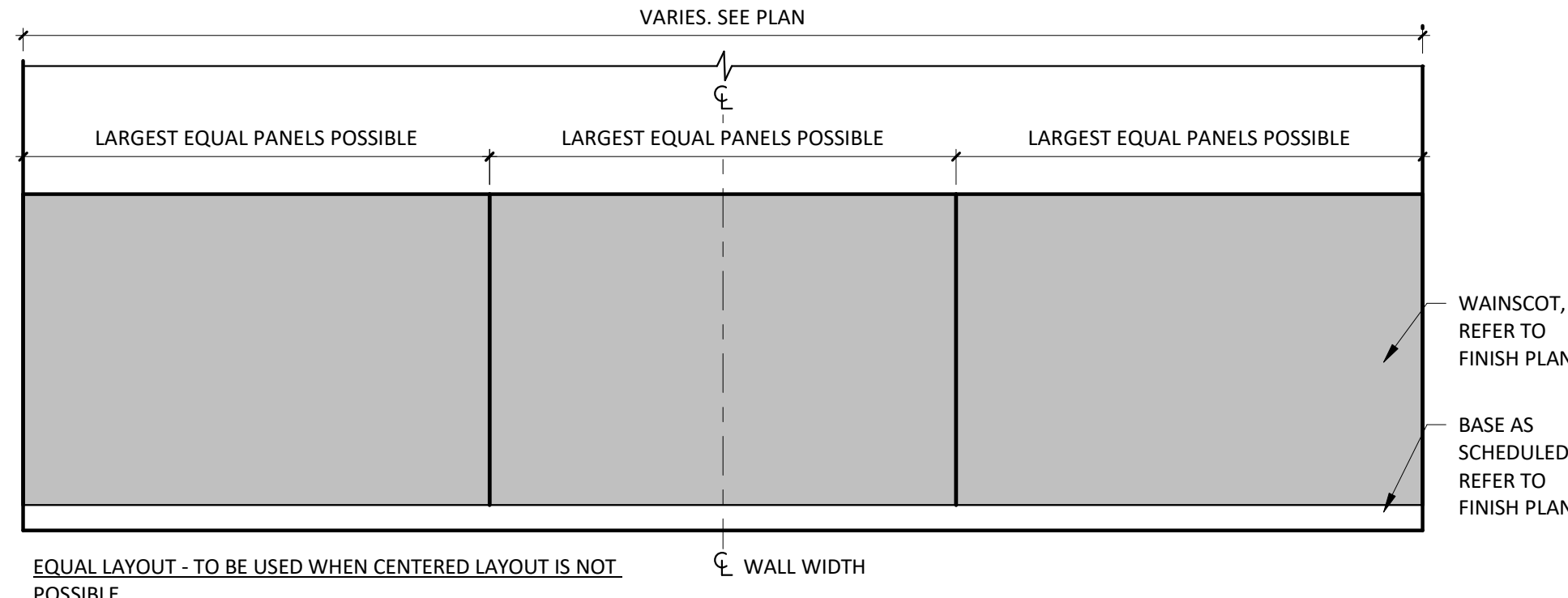
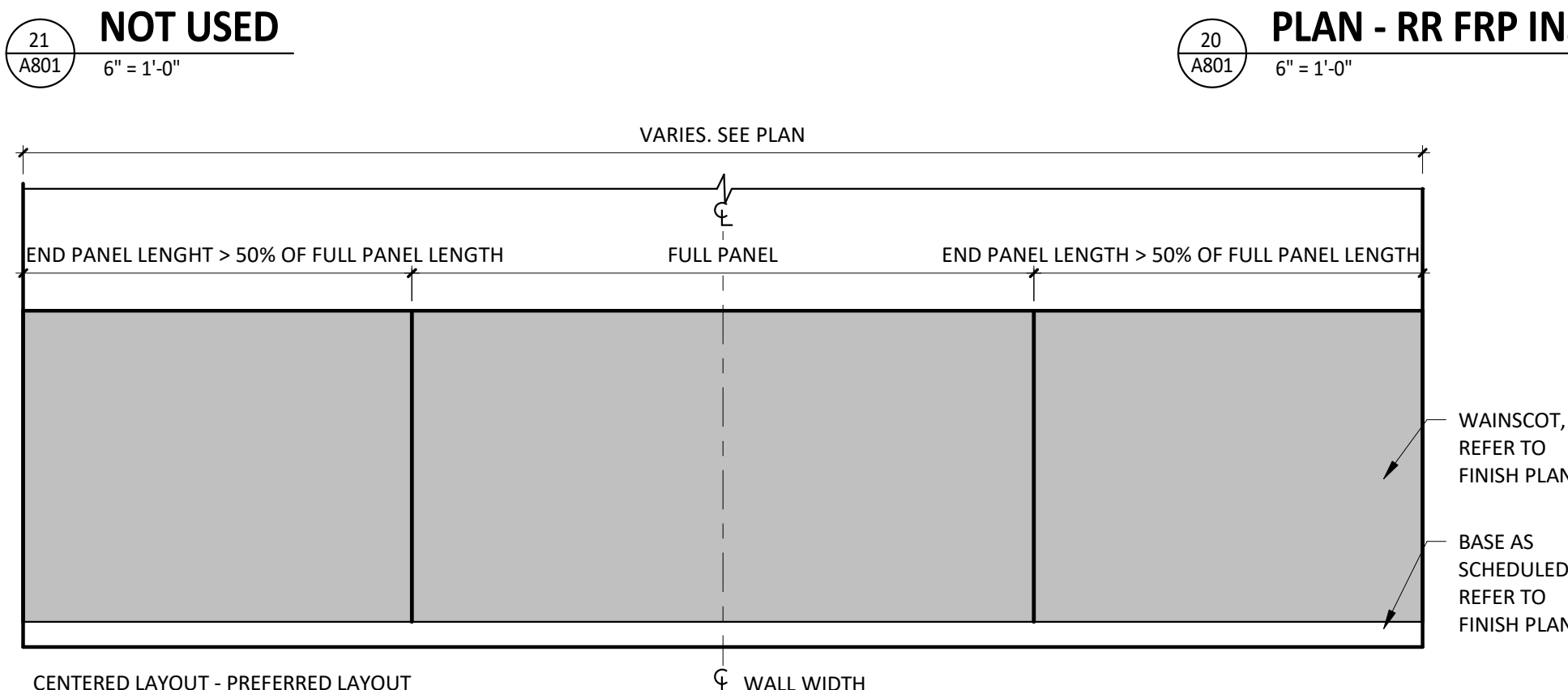
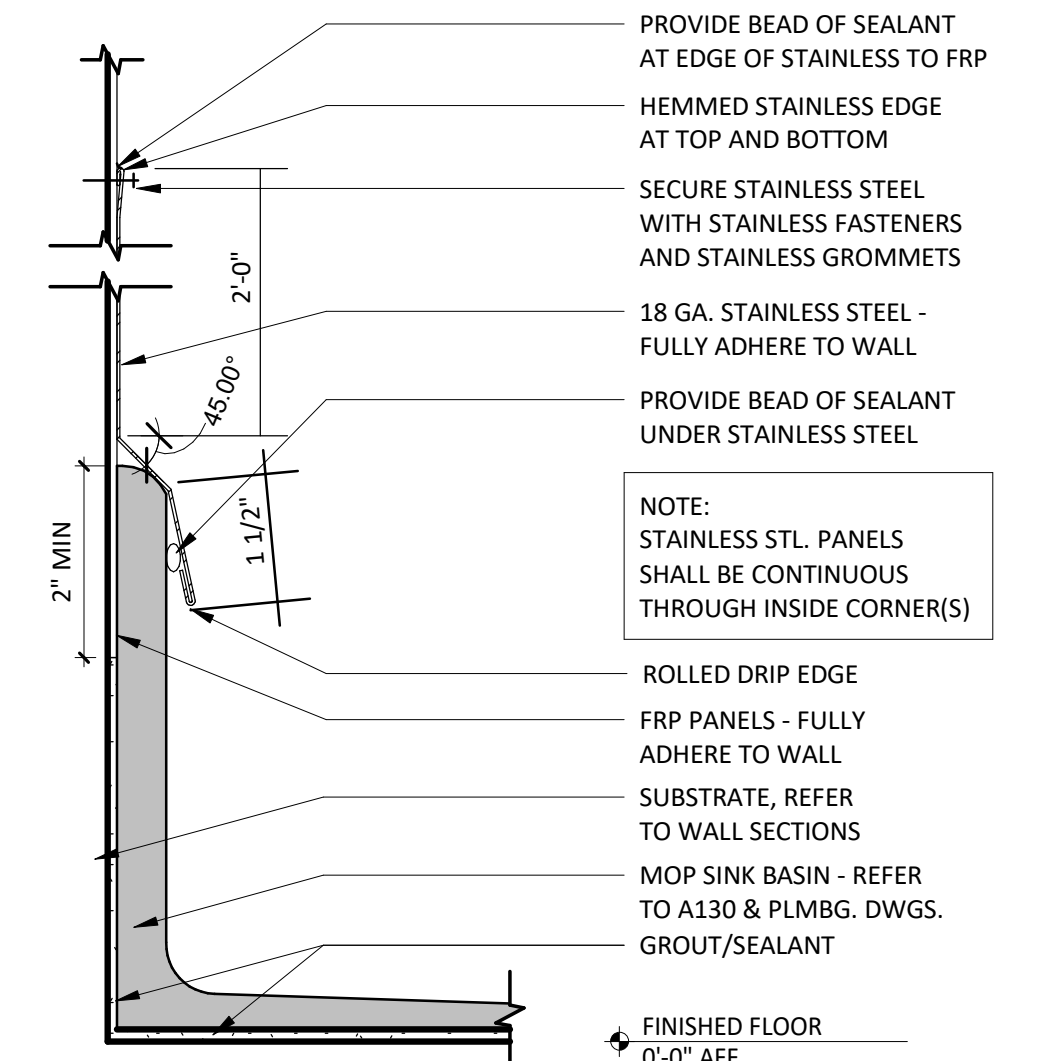
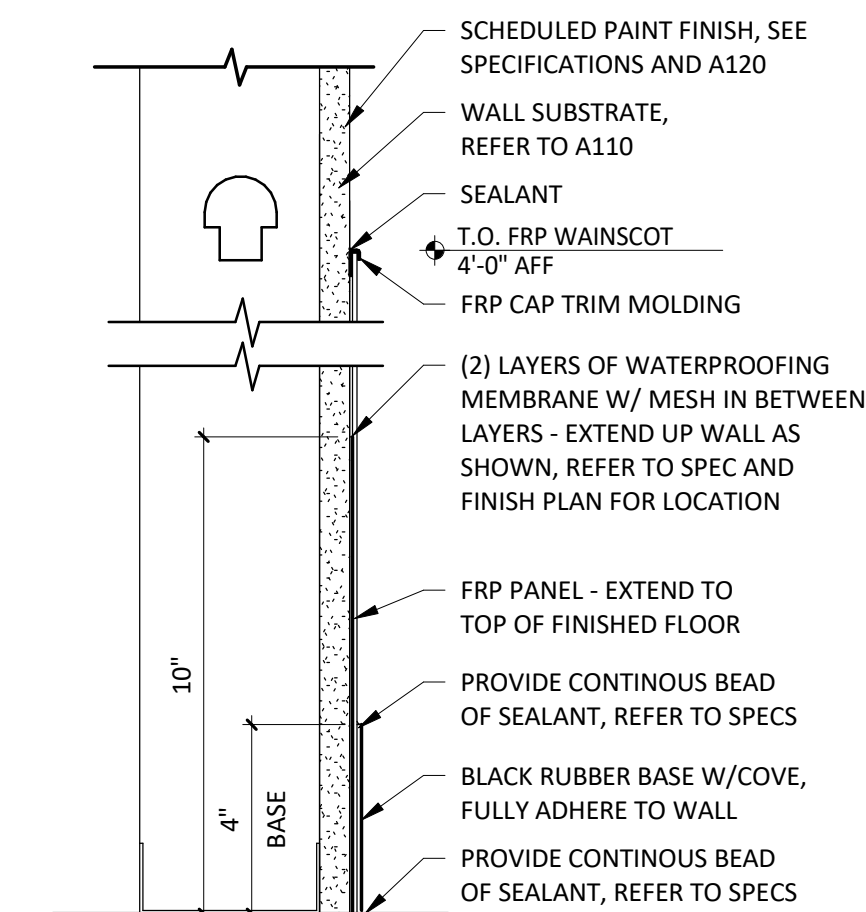
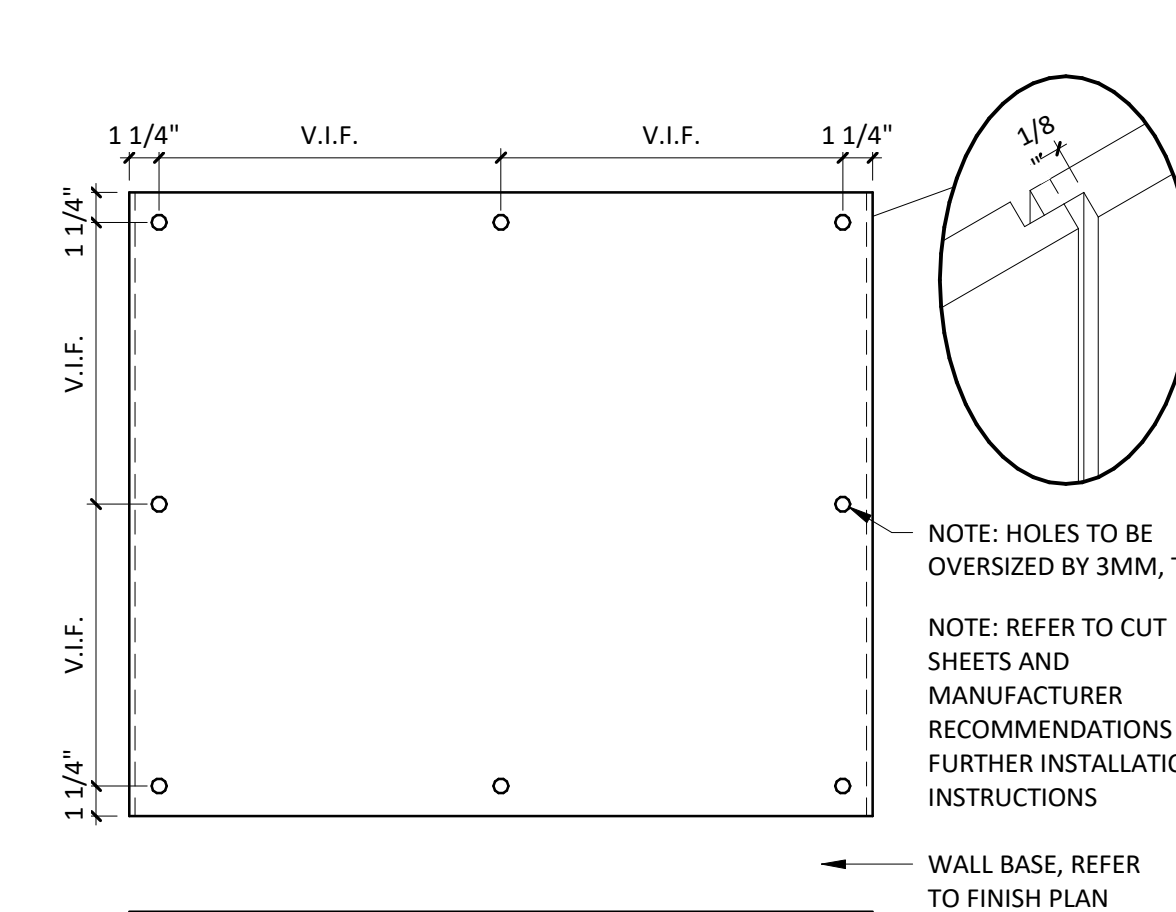
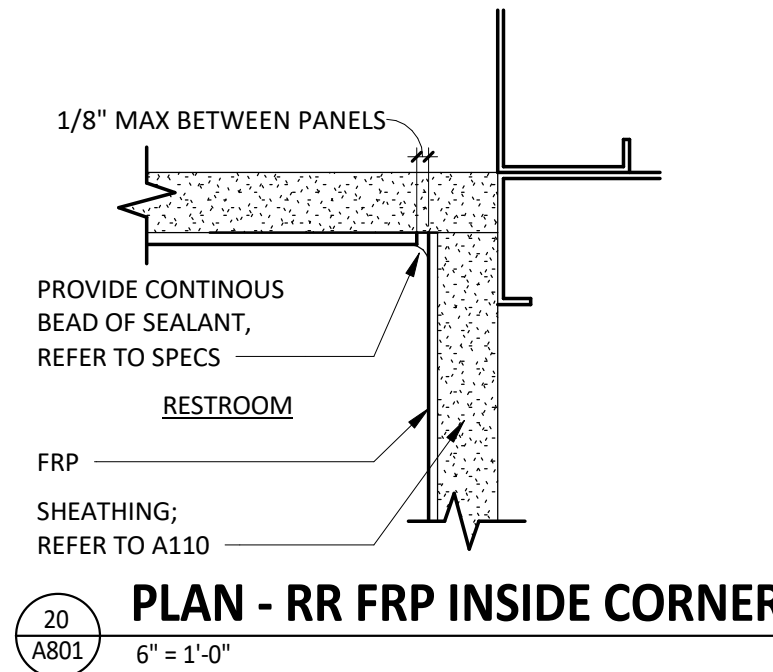


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[illegible]

FINISH DETAILS

A801



GENERAL NOTES

1. TILE INSTALLER SHALL COORDINATE WITH GENERAL CONTRACTOR AND PROVIDE LAYOUT OF ALL WALL TILE PRIOR TO INSTALLATION. GENERAL CONTRACTOR SHALL PREPARE WALLS AS TO NOT HAVE ANY CUT TILES IN EITHER DIRECTION (HORIZONTALLY OR VERTICALLY) ON ANY WALLS. LAYOUT SHALL BE APPROVED BY CHIPOTLE CM PRIOR TO INSTALLATION. CONTRACTOR SHALL CONTACT ARCHITECT OF ANY DISCREPANCIES IN DIMENSIONS FOR DIRECTION PRIOR TO INSTALLATION. FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDIATION REQUIRED TO MEET DESIGN INTENT WILL BE AT CONTRACTOR'S COST.
2. IF REQUIRED TO CUT TILES, CONTRACTOR TO MEASURE OVERALL WALL WIDTH AND DETERMINE WHICH SOLUTION WILL ALLOW FOR THE GREATER THAN 25% TILE WIDTH AT WALL TERMINATIONS.
3. UNLESS OTHERWISE NOTED, ALL WALL TILES SHOULD BE CENTERED ON THE WIDTH OF THE WALL PER DETAIL 1 OR 2.
4. THERE SHOULD NEVER BE ANY CUT TILES VERTICALLY BETWEEN THE BASE AND THE CEILING. REFER TO A120 AND A201.

Consultant:

R/A

Red Architecture

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JOM CS, DF

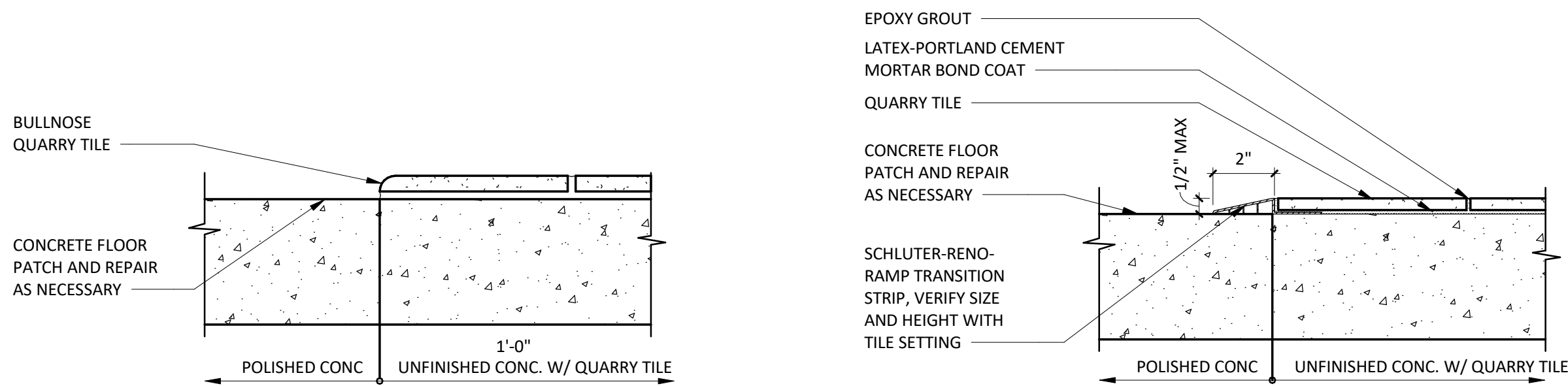
Project No.

CMG1187

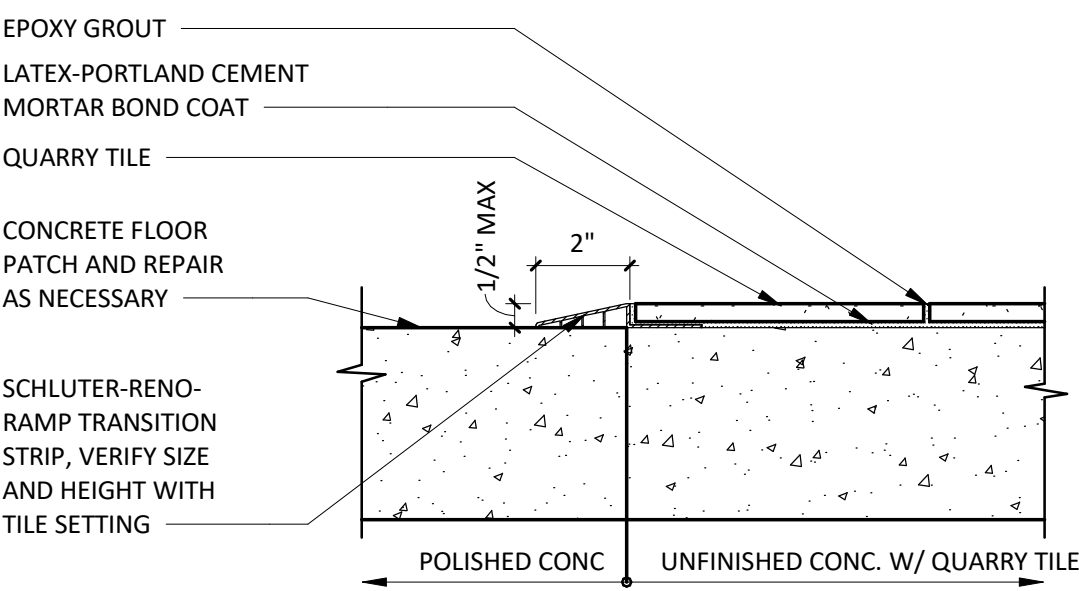
Contents:

TILE DETAILS

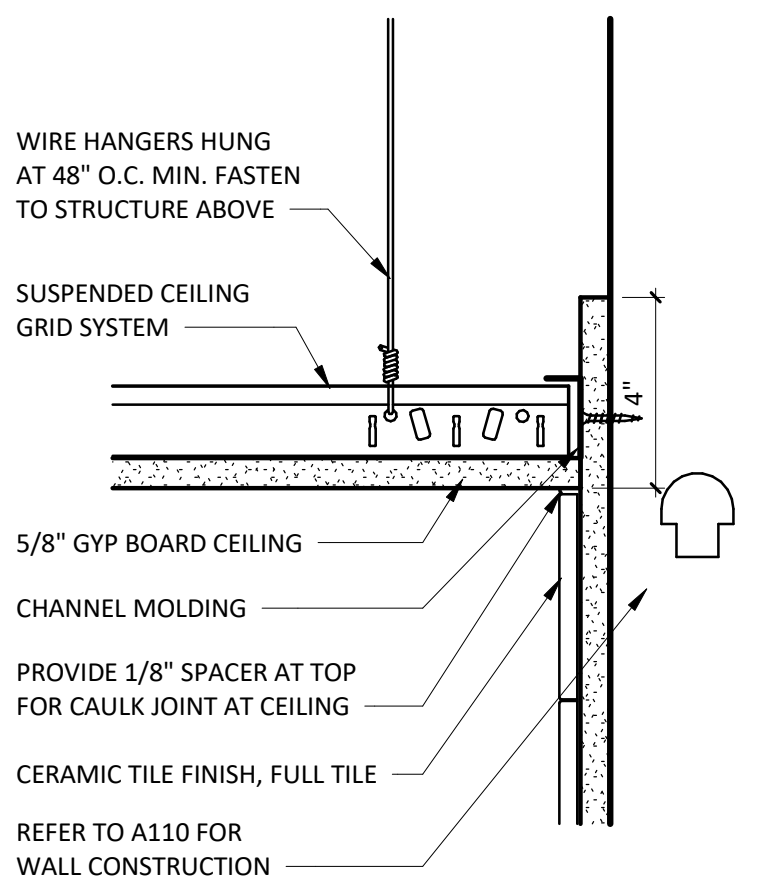
A802



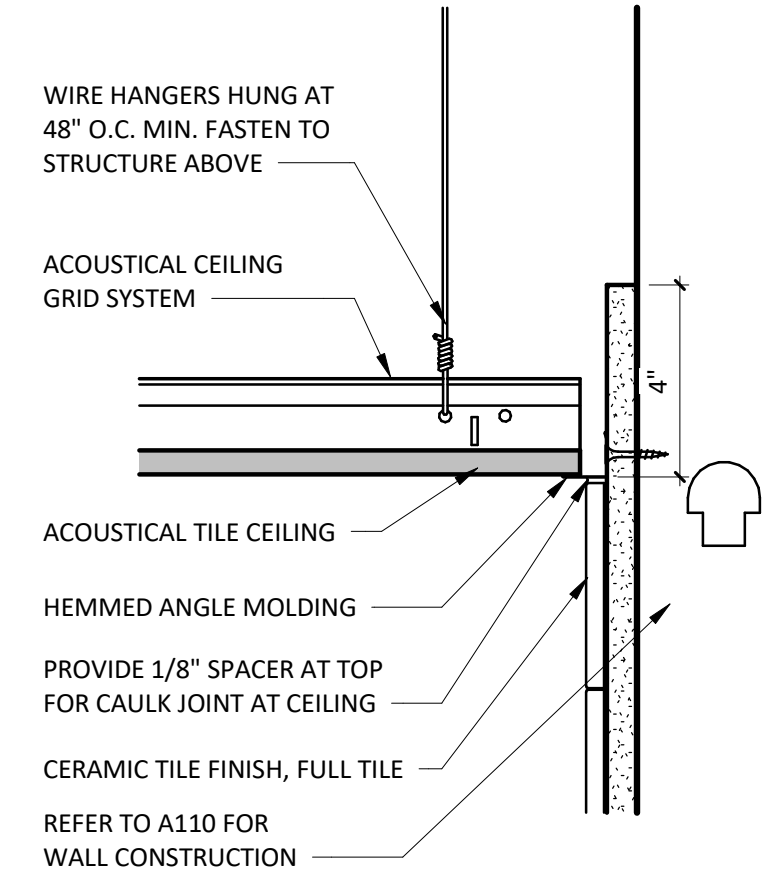
23 FLOOR TRANSITION @ READY TO DRINK
A802 3" = 1'-0"



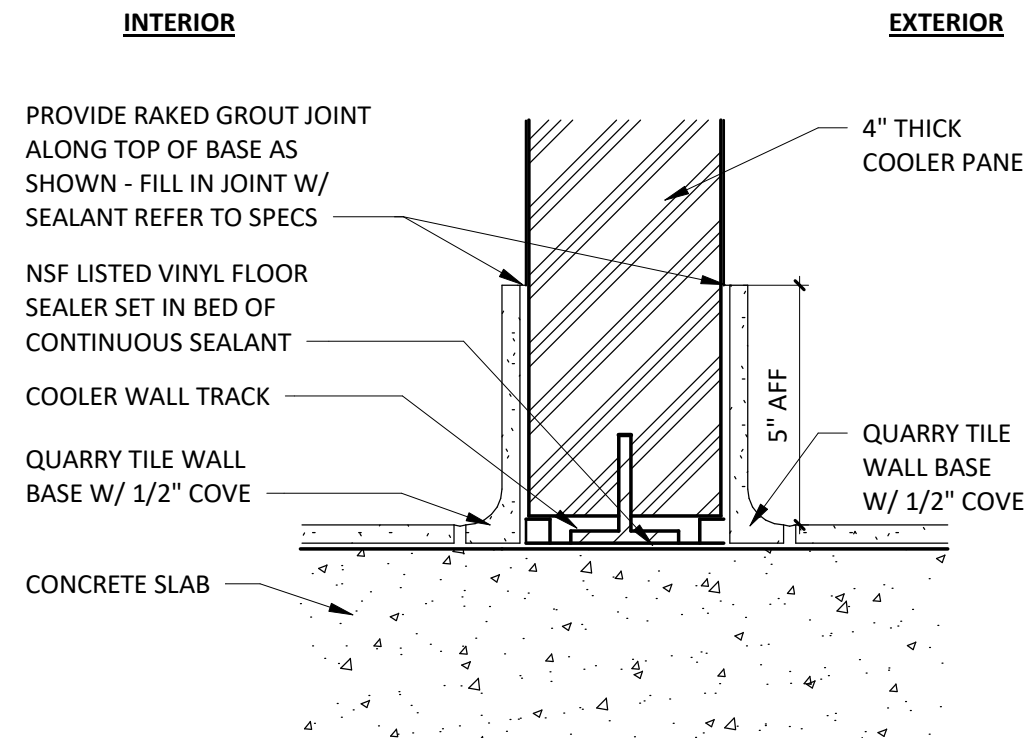
22 FLOOR TRANSITION W/ RAMP
A802 3" = 1'-0"



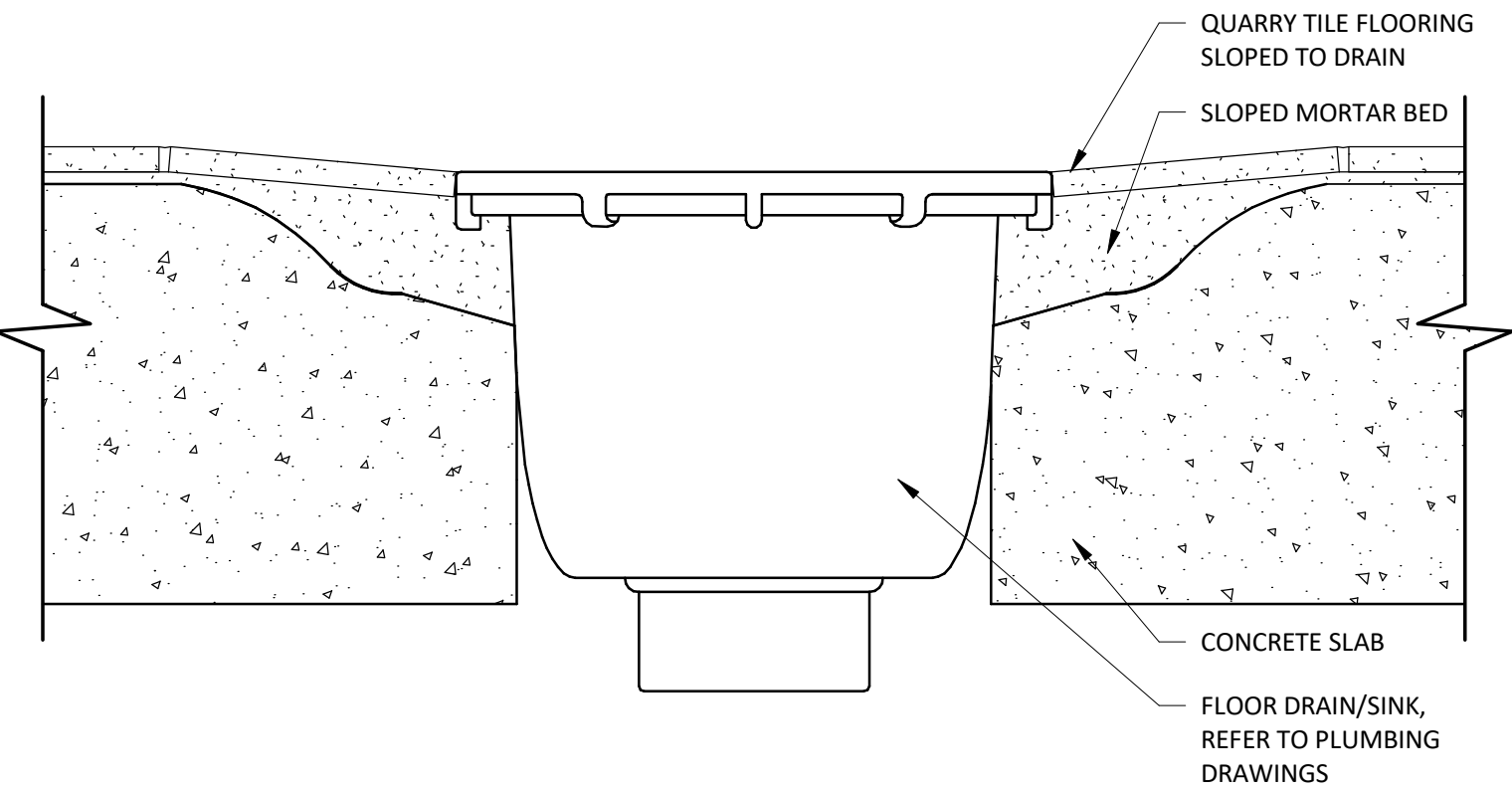
21 TILE DETAIL @ GYP BD CEILING
A802 3" = 1'-0"



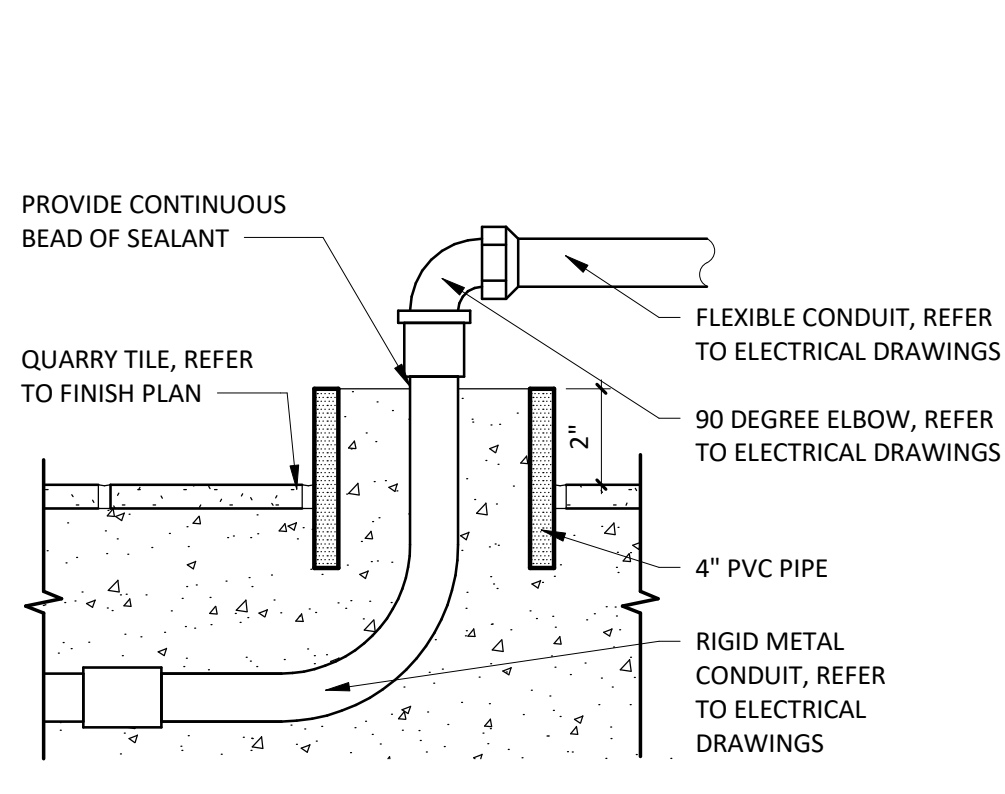
20 TILE DETAIL @ SUSPENDED CEILING
A802 3" = 1'-0"



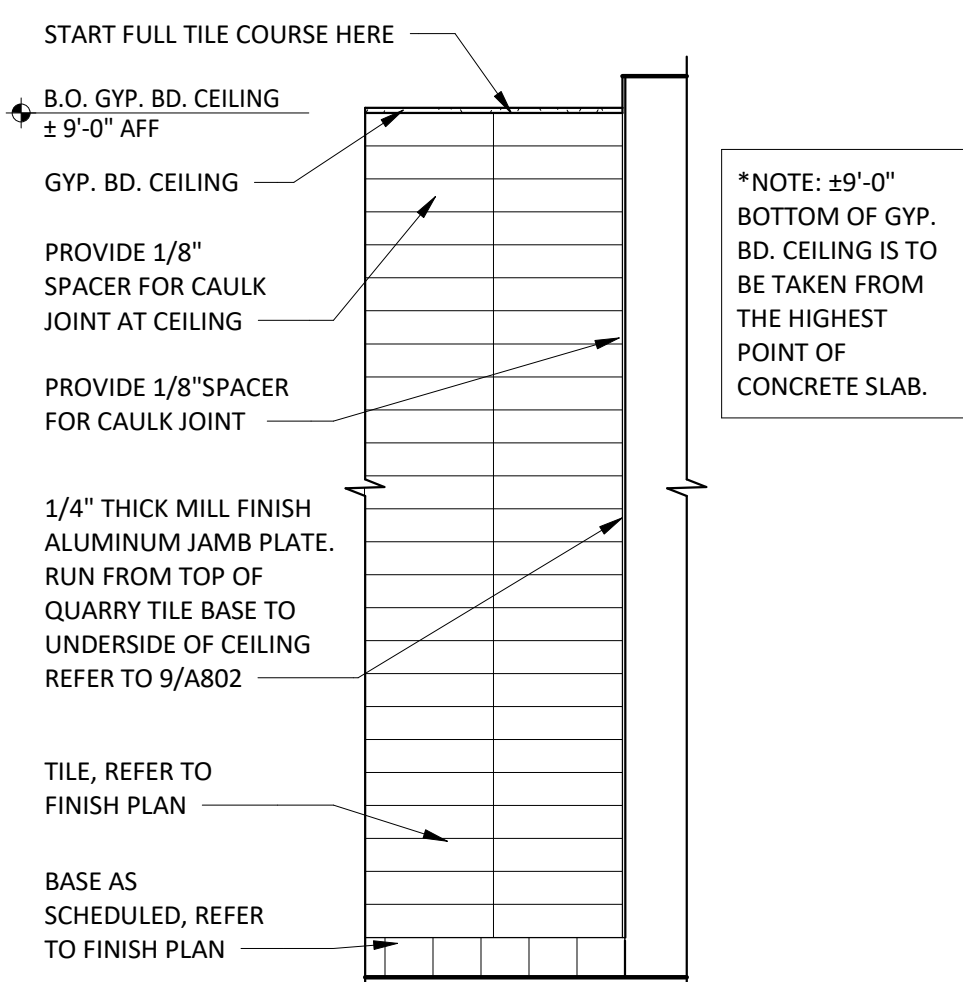
19 COOLER WALL @ QT
A802 3" = 1'-0"



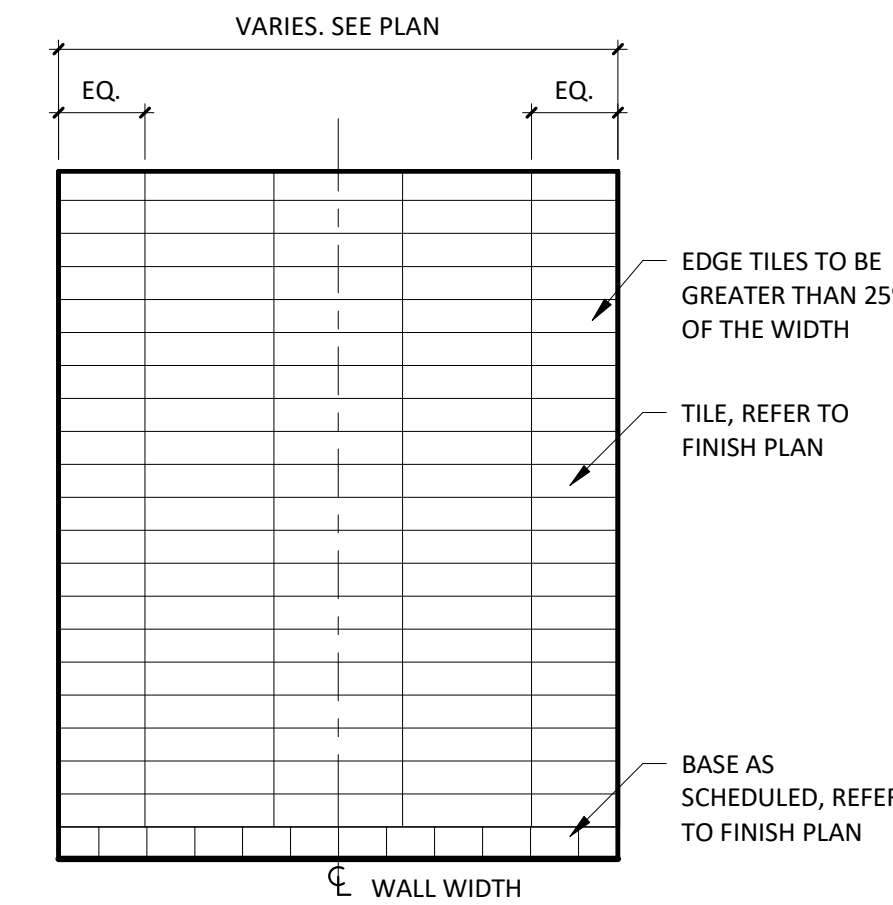
18 TYPICAL QT FLOOR DRAIN/SINK DETAIL
A802 3" = 1'-0"



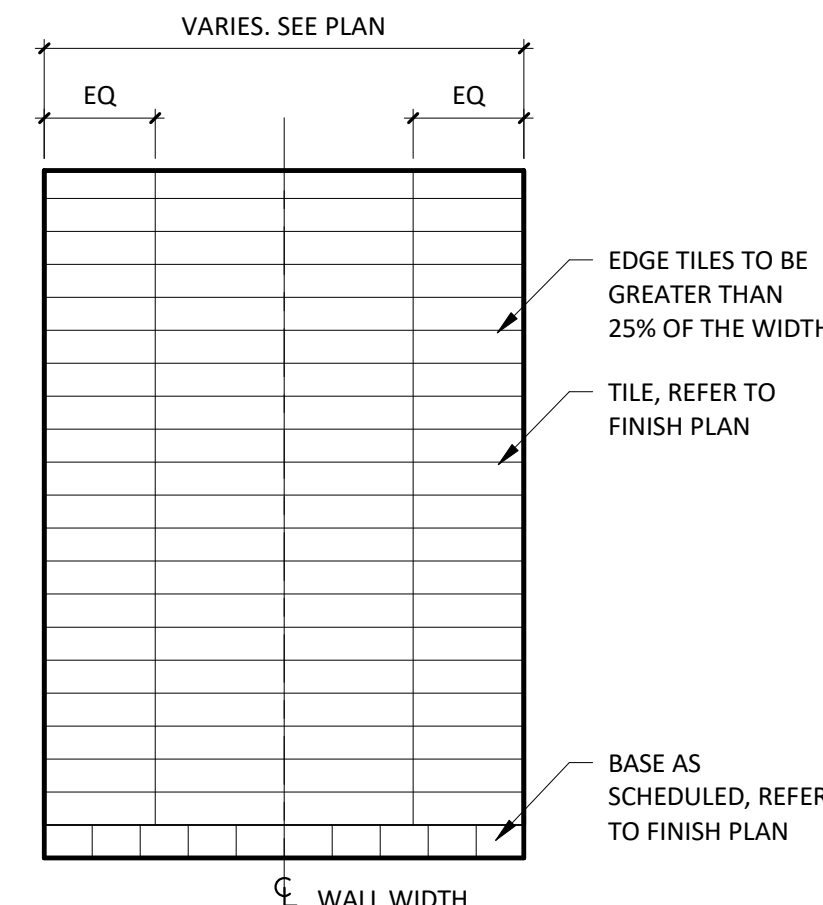
17 STUB SECTION DETAIL UNDER TABLES
A802 3" = 1'-0"



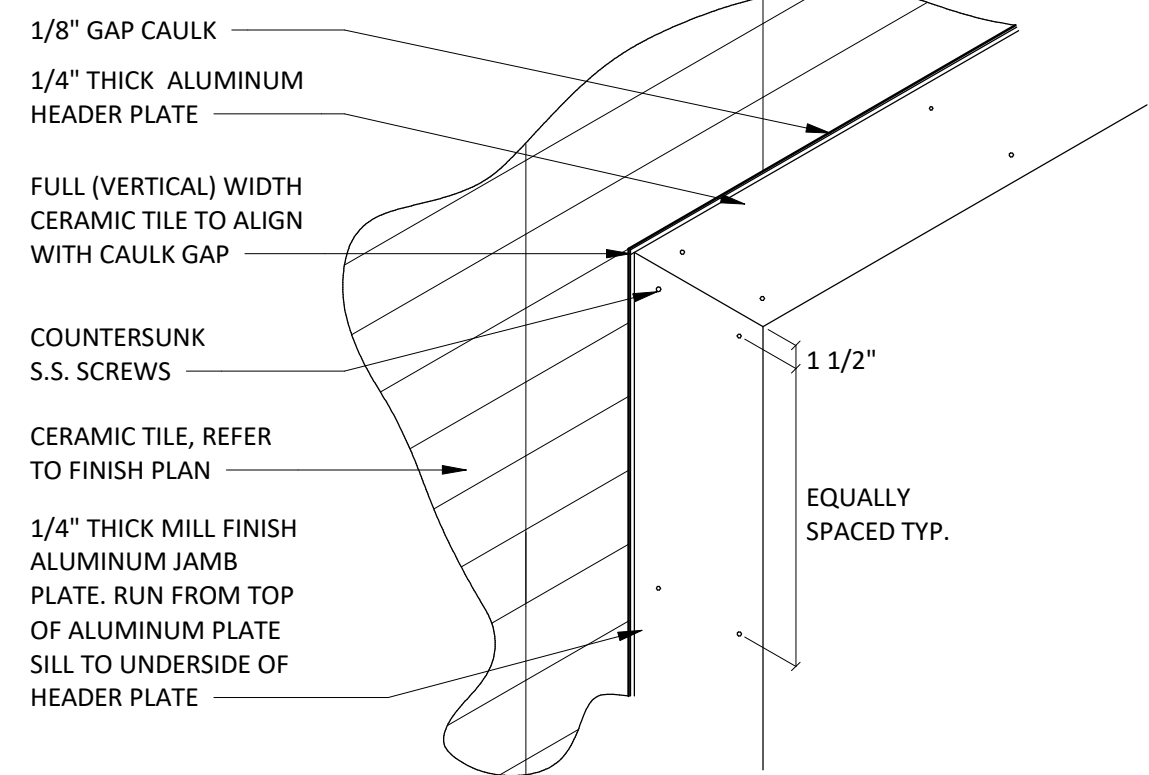
16 KITCHEN WALL ENDCAP TILE LAYOUT
A802 1/2" = 1'-0"



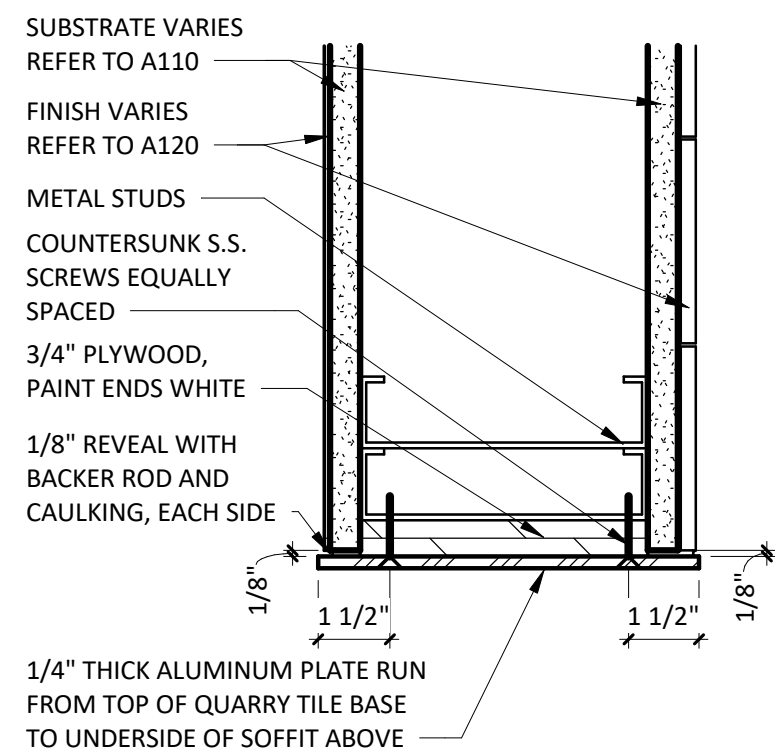
15 TILE CENTERED LAYOUT
A802 1/2" = 1'-0"



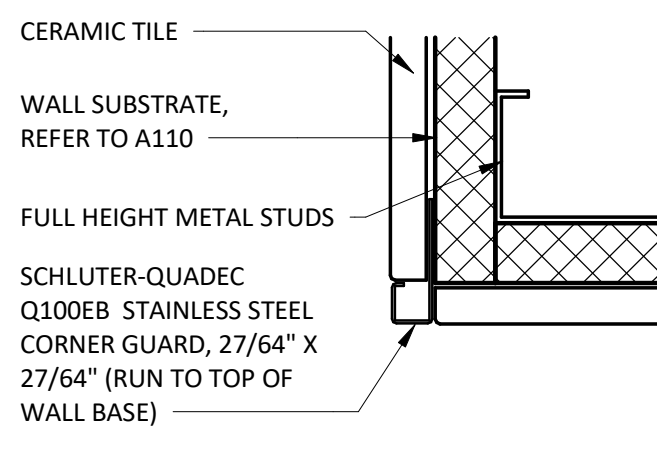
14 JOINT CENTERED LAYOUT
A802 1/2" = 1'-0"



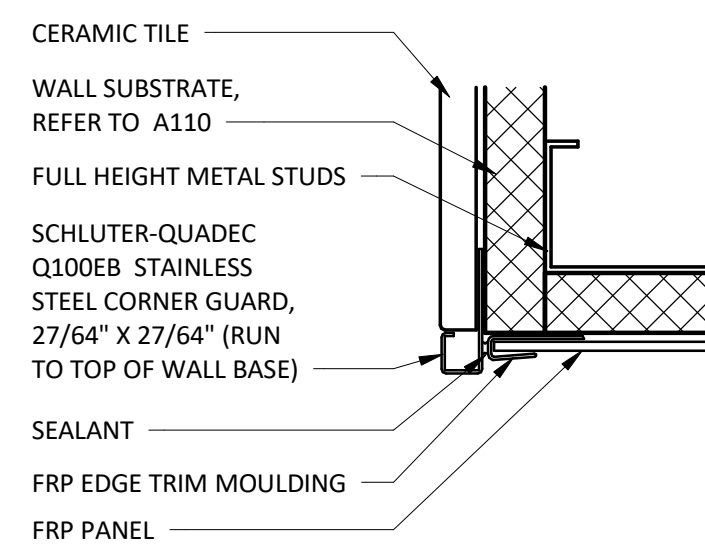
13 TILE DETAIL @ ALUMINUM PLATE HEADER
A802 1" = 1'-0"



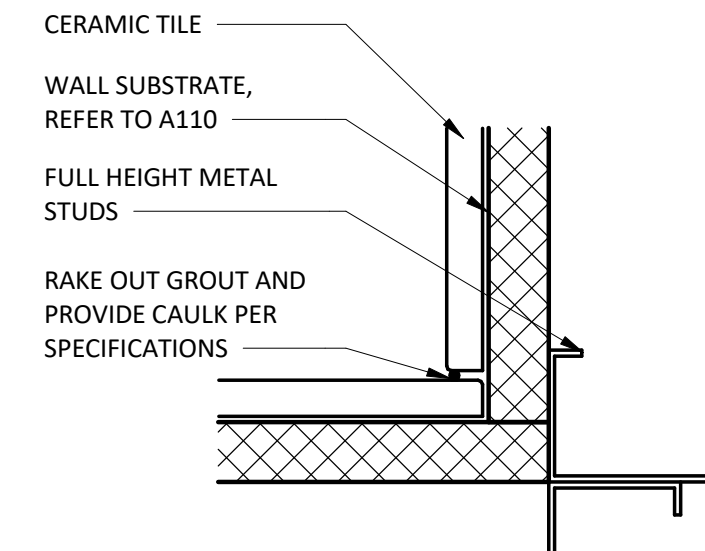
12 ALUMINUM PLATE @ JAMB/HEAD/SILL
A802 3" = 1'-0"



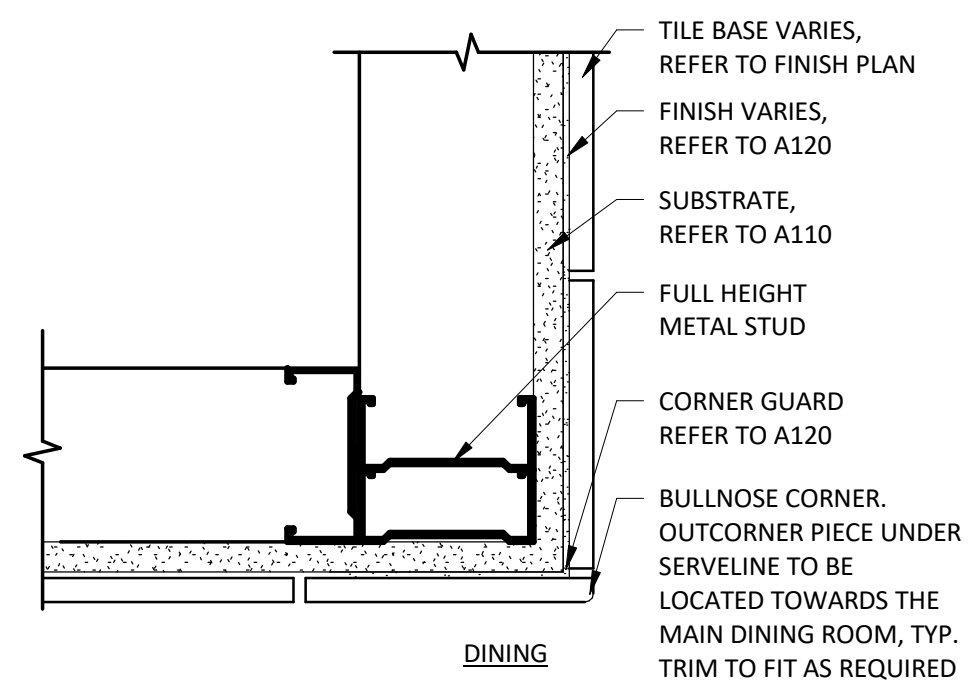
11 TILE TO TILE OUTSIDE CORNER
A802 6" = 1'-0"



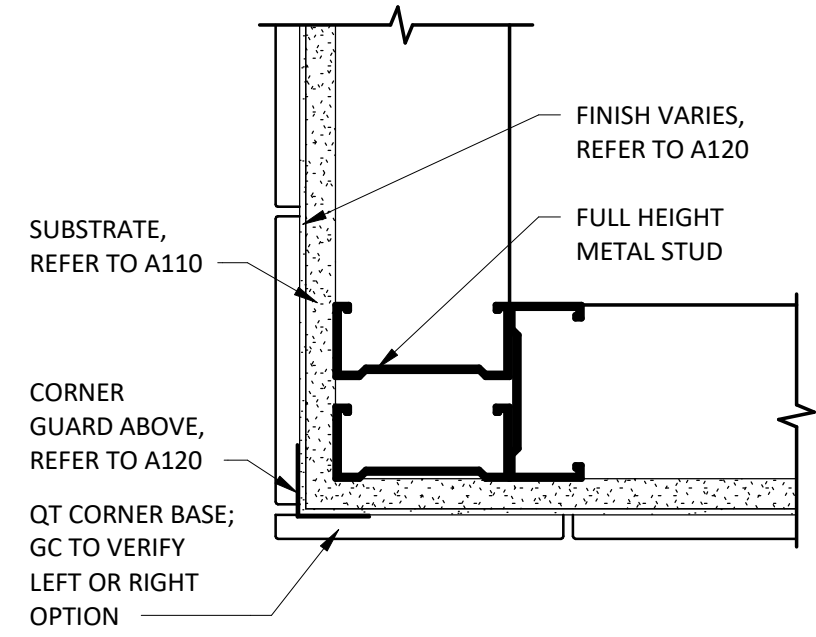
10 TILE TO FRP OUTSIDE CORNER
A802 6" = 1'-0"



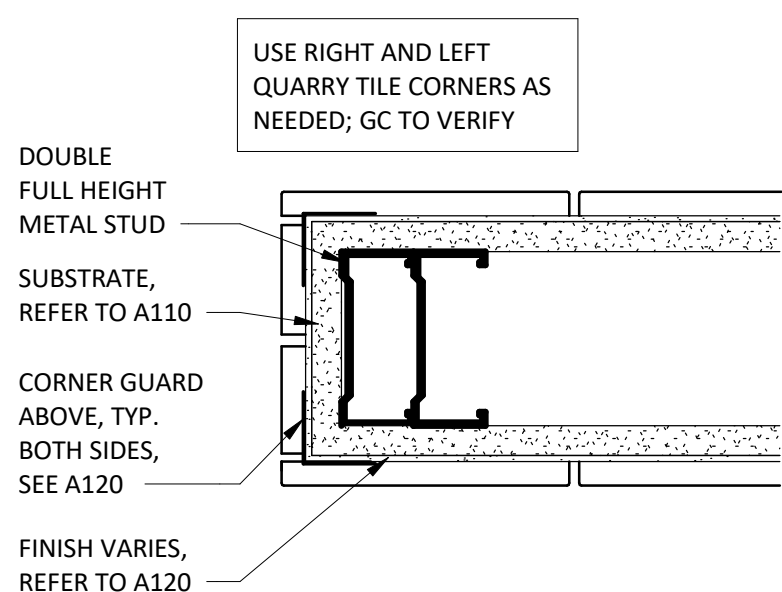
9 TILE TO TILE INSIDE CORNER
A802 6" = 1'-0"



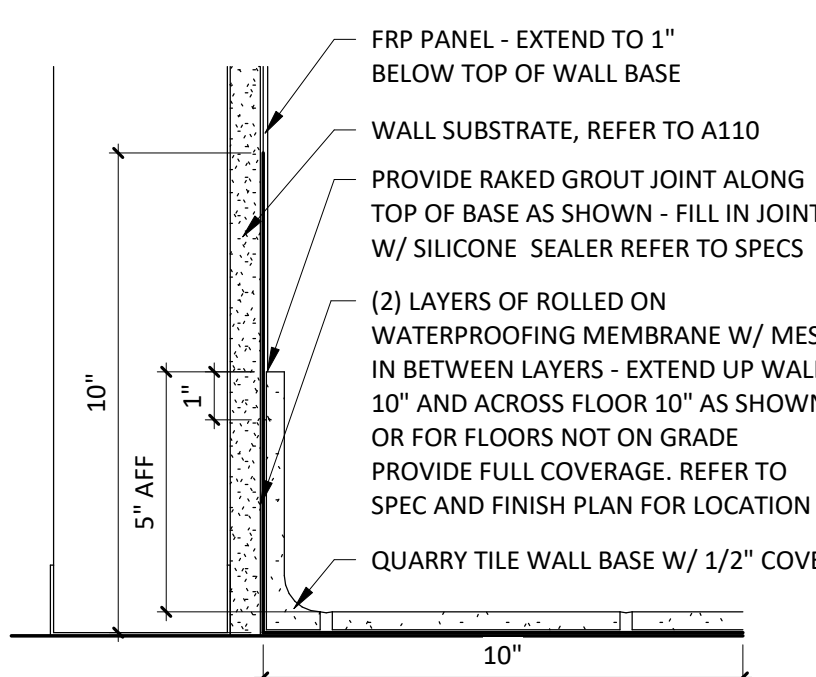
8 TILE BASE - OUTSIDE CORNER (DINING)
A802 3" = 1'-0"



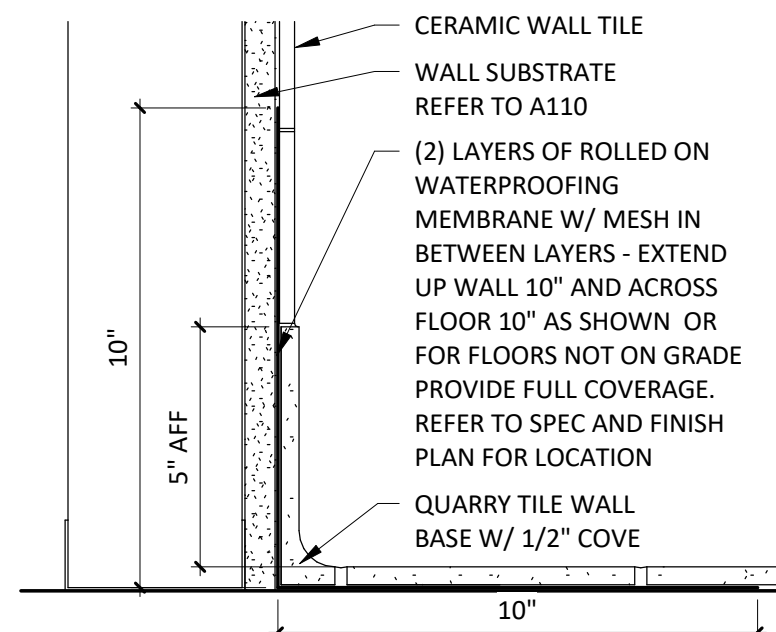
7 QT BASE - OUTSIDE CORNER (KITCHEN)
A802 3" = 1'-0"



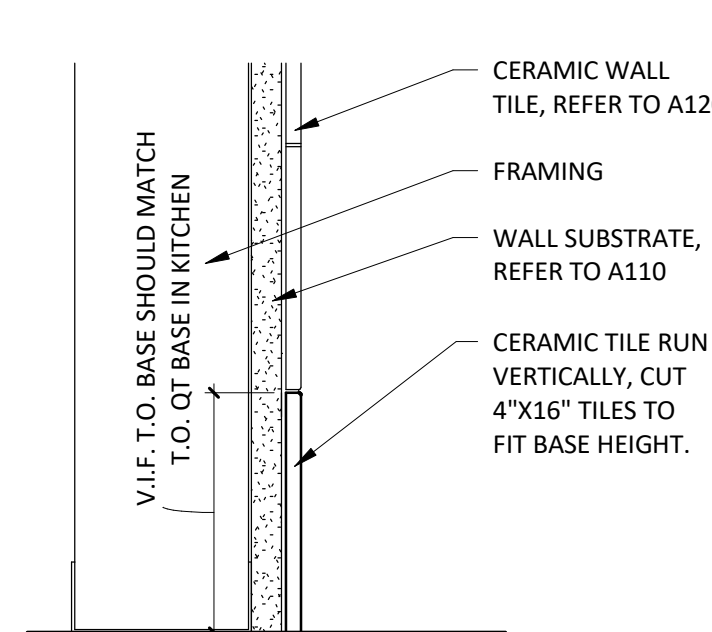
6 QT BASE - ENDCAP
A802 3" = 1'-0"



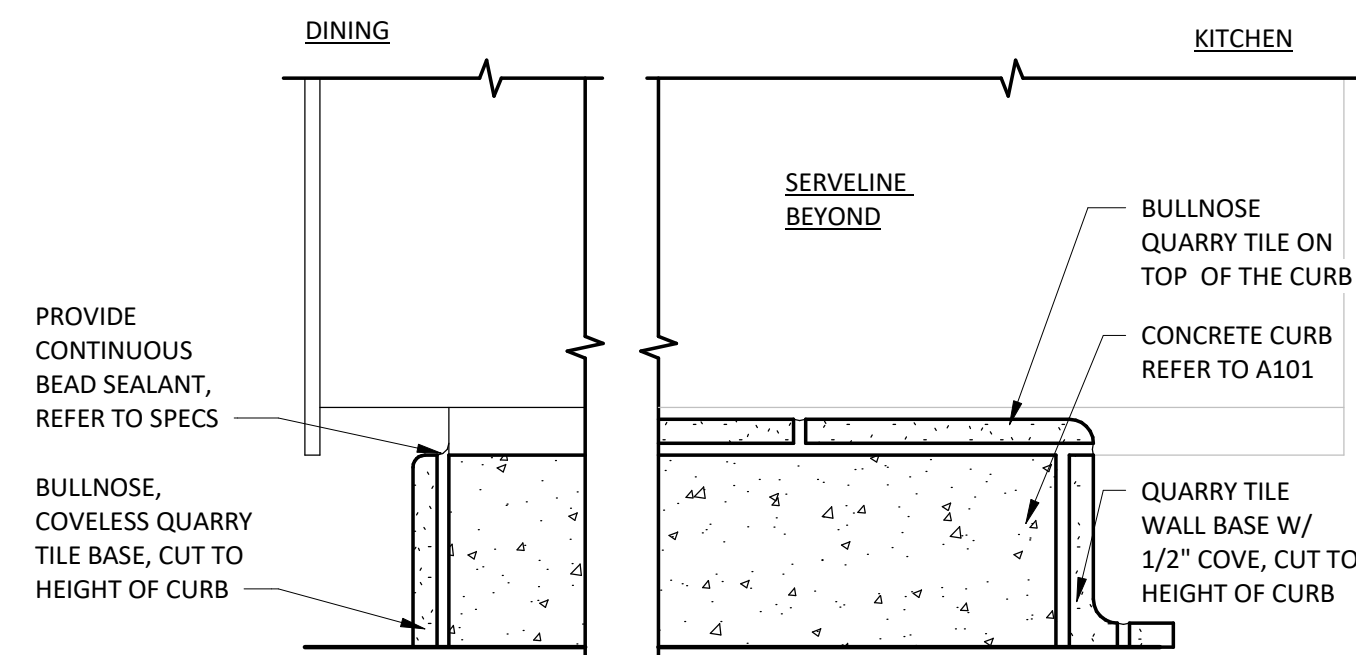
5 QT BASE @ FRP
A802 3" = 1'-0"



4 QT BASE @ CERAMIC TILE
A802 3" = 1'-0"

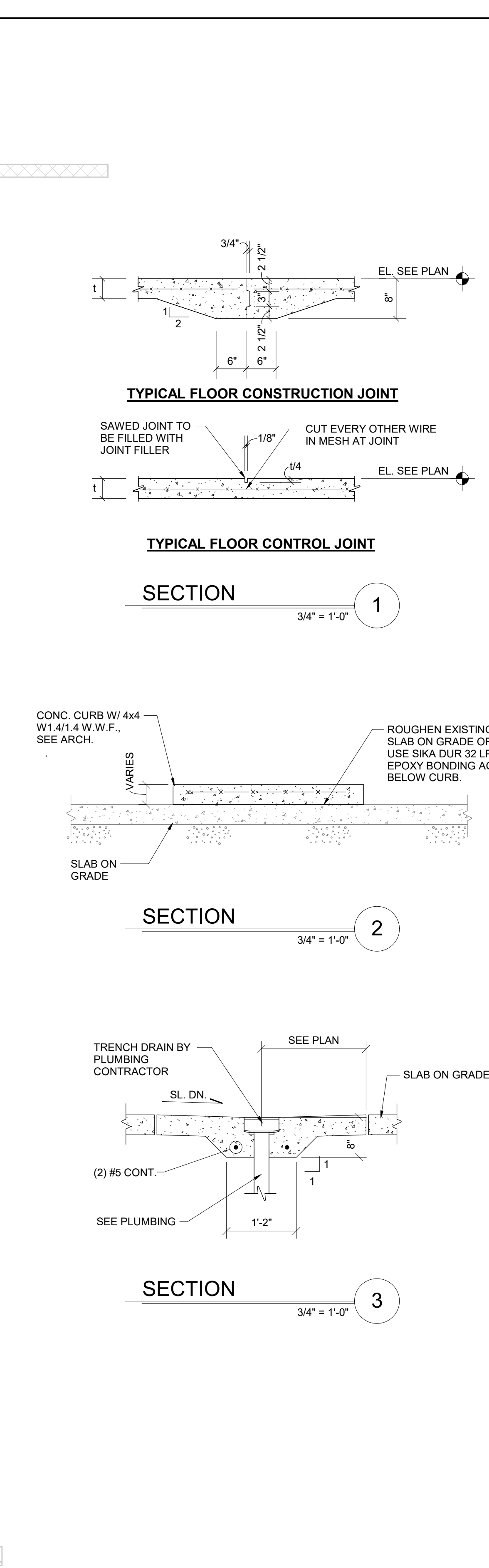


3 CERAMIC TILE BASE
A802 3" = 1'-0"



2 QT @ CURB
A802 3" = 1'-0"

1 QT @ CURB
A802 3" = 1'-0"



3.1 PART 3 - EXECUTION

3.1.1 SURFACE CONDITIONS

A. VERIFY THAT EXCAVATIONS ARE FREE OF WATER AND ICE. AFR OF THE REQUIRED DIMENSIONS, AND HAVE BEEN APPROVED BY THE SOLE'S ENGINEER, PRIOR TO PLACING CONCRETE.

B. DETERMINE FIELD CONDITIONS AND DRAINAGE PATTERNS. PROVIDE DRAINAGE TO THE EXTERIOR.

C. NOTIFY ARCHITECT NOT LESS THAN 24 HOURS IN ADVANCE OF PLACING CONCRETE. PLACE CONCRETE ONLY WHEN CONSTRUCTION MANAGER IS PRESENT. UNLESS THIS REQUIREMENT IS SPECIFICALLY WAIVED.

3.2 FORMWORK

A. ALL FORMWORK SHALL FOLLOW THE GUIDELINES OF ACR 308 RESULTING IN FIRM FORMED SURFACES WITHIN THE TOLERANCES OF ACR 117.

3.3 EMBEDDED ITEMS

A. PLACE AND SECURE ANCHORAGE DEVICES AND OTHER EMBEDDED ITEMS REQUIRED FOR ADJOINING WORK THAT IS ATTACHED TO OR SUPPORTED BY CAST-IN-PLACE CONCRETE. USE SETTING DRAWINGS, TEMPLATES, DIAGRAMS, INSTRUCTIONS, AND DIRECTIONS FURNISHED WITH ITEMS TO BE EMBEDDED.

1. INSTALL REBAR FOR MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS.

B. ALUMINUM CLEVELT SHALL NOT BE INSTALLED IN CONCRETE.

3.4 DELIVERY AND PLACEMENT

A. PREPARATION BEFORE PLACING

1. STANDING WATER SHALL BE REMOVED FROM A PLACE OF DEPOSIT BEFORE CONCRETE IS PLACED.

2. DO NOT USE ACCELERATORS OR SALTS TO REMOVE ICE. NON-CHLORIDE DEICERS MAY BE USED.

3. IN COLD WEATHER, COMPLY WITH 3000 MINIMUM TEMPERATURE OF FORMS AND REINFORCING WITHIN A RANGE OF 50° TO 90° DEGREES F.

4. IN HOT WEATHER, COMPLY WITH 3000.

B. DELIVERY IS TO CONFORM TO ASTM C4.

1. DELIVERY TRUCKS TO CONTACT THE FOLLOWING, IN ADDITION TO THE INFORMATION REQUIRED BY ASTM C4.

a. READING OF RECEIPTS CONTAINED IN FIRST ADDITION OF 50% WATER.

b. TYPE AND BRAND OF CEMENT AND SUPPLEMENTARY CEMENTITIOUS MATERIALS.

c. CEMENTITIOUS CONTENT.

d. TOTAL WATER CONTENT BY PRODUCE.

e. MAXIMUM SIZE OF AGGREGATE.

2. SECURE ARCHITECT'S WRITTEN APPROVAL. IF NON-ASTM TYPE EQUIPMENT IS TO BE USED FOR TRANSPORTATION.

3. ASTM C4 REQUIREMENTS DISOCCUR WITHIN 1.12 HOURS OR 300 REVOLUTIONS, WHICHEVER COMES FIRST. AFTER INTRODUCING CONCRETE TO THE PLACEMENT LOCATION, THE OWNER OR THE INTRODUCTION OF CEMENT TO THE AGGREGATES. SUCH MOVING MAY REQUIRE AN EARLIER DISCHARGE DURING HOT WEATHER, OR WHEN HIGH-EARLY STRENGTH CEMENT IS BEING USED.

C. WATER ADDED AT THE SITE WILL NOT BE PERMITTED, EXCEPT WHEN THE APPROVED MIX DESIGN HAS BEEN FORMULATED TO ALLOW FOR SUCH ADJUSTMENTS. WATER ADDED ONLY BE REQUIRED BY PERSONNEL AUTHORIZED BY THE ARCHITECT/ENGINEER AND CONCRETE PRODUCER.

1. MEASURING, KEEP RECORD OF ANY SUCH ADJUSTMENTS TO BUCKETS OR RUNWAYS, DO NOT ALLOW THEM TO BEAR ON REINFORCING OR UNCURED CONCRETE.

E. PLACEMENT

1. PLACE WITHIN 3 FEET OF PLACEMENT, SPREADING WITH VIBRATORS IS PROHIBITED FOR ARCHITECTURAL CONCRETE.

2. MAXIMUM FREE FALL WITHOUT CHUTES OR ELEPHANT TUNNELS TO BE 3 FEET (1 FEET FOR ARCHITECTURAL CONCRETE).

3. PLACE CONCRETE CONTINUOUSLY TO A DESIGN JOINT SUCH THAT THE CONCRETE WILL BE PLACED ON CONCRETE WHICH HAS HARDENED SUFFICIENTLY TO CAUSE THE FORMATION OF COLD JOINTS OR PLANES OF WEAK.

4. CONCRETE SHALL BE CONSOLIDATED PER GUIDELINES IN ACR 309.

F. RECORDS. KEEP A COMPLETE RECORD OF THE FOLLOWING INFORMATION: LOCATION, QUANTITY, WEATHER, AND IDENTIFICATION OF TEST CYLINDERS FOR EACH POUR.

3.5 INFORMATION

INTERIOR SLABS ON GRADE

1. LOCATE CONTROL, CONTRACTION JOINTS AS SHOWN ON THE DRAWINGS. IN THE PERFORMED OF INFORMATION ON DRAWINGS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: TYPE AND ANCHORING, THE MAXIMUM SPACING OF CONTRACTION JOINTS, FOR REINFORCED AND UNREINFORCED AREAS, IS 10 FEET 11 INCHES. THE SQUARE ROOT OF THE SLAB THICKNESS (I.E. FOR A 4-INCH SLAB, THE SQUARE ROOT OF 16 IS 4). CUT JOINTS: THE SLAB THICKNESS. THE SOFT-CUT SHALL BE MADE IMMEDIATELY AFTER PLACING AND FINISHING. A CONCRETE FINISHING MACHINE SHALL BE USED AS SOON AS POSSIBLE WITHOUT DISSENTING AGGREGATE. SCHEDULE SLAB POURS AND SAW-CUTTING OPERATIONS SUCH THAT DRAWING IS COMPLETED PRIOR TO ONSET OF SHRINKAGE CRACKING.

B. EXTERIOR SLABS ON GRADE. LOCATE JOINTS AS SHOWN ON DRAWINGS. IN THE PERFORMED OF INFORMATION ON DRAWINGS, PROVIDE THE FOLLOWING FOR SIDEWALKS ONLY:

1. EXPANSION JOINTS. MINIMUM LOCATIONS SHALL BE 10 FEET, 10 FEET, AND 10 FEET FROM SURFACES AT INTERSECTIONS OF SIDEWALKS. AT 40' SPACING BETWEEN IN-WITH, AND AT A SPACING NOT EXCEEDING 30'.

2. CONTROL JOINTS. 12" DEPTH, 1 INCH DEPTH, 4" TO 6" ON CENTER BETWEEN EXPANSION JOINTS.

3.6 FINISHES

A. SCHEDULE OF FINISHES ON FLOORWORK PER ACI 301. SECTION 5 IS AS FOLLOWS:

1. TYPICAL INTERIOR FLOOR AREAS TO RECEIVE CARPET, RESILIENT FLOOR COVERING, OR TO REMAIN EXPOSED. FLOORED FINISH.

2. INTERIOR FLOOR AREAS TO RECEIVE TERRAZZO, QUARRY TILE, OR CERAMIC TILE. FLOATED FINISH.

3. EXTERIOR SLABS FINISH. BROOK FINISH.

B. SURFACES OF FLOOR SLABS SHALL BE PREPARED TO THE FOLLOWING TOLERANCES, PER ACI 117:

1. MINIMUM FLATNESS OF FF 30, AND A MINIMUM LEVELNESS OF FL 1.29. ARE REQUIRED FOR ALL FLOOR AREAS ON GRADE. PRECEDING VALUES ARE AVERAGE VALUES TO BE OBTAINED OVER A GIVEN AREA. MINIMUM LOCAL VALUES (ONE-FOOT HAT) OF FF 25 AND FL 0.99 SHALL BE OBTAINED.

C. DETERMINATION OF FLATNESS AND LEVELNESS OF A CONCRETE SLAB SHALL BE MADE ON THE DAY FOLLOWING PLACEMENT OF THE FIRST CONCRETE POUR. TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM E115. AFTER IT IS ESTABLISHED THAT PROPER PROCEDURES ARE BEING USED TO OBTAIN THE DESIRED RESULTS, THE RESPONSIBILITY SHALL BE ASSIGNED TO ONLY AS DIRECTED BY THE OWNER.

1. ANY DAY NOT CONTINUING TO OBTAIN ABOVE FLATNESS AND LEVELNESS REQUIREMENTS IS SUBJECT TO REPAIR, OR REMOVAL, REPLACEMENT, AND RETESTING, AT THE EXPENSE TO THE OWNER.

2. "NUMBERS" SHALL BE SUBMITTED TO THE OWNER AND ARCHITECT IMMEDIATELY AFTER THEY ARE DETERMINED BY THE TESTING AGENCY.

3.7 CURING AND PROTECTION

A. CURING

1. INTERIOR SLAB AREAS THAT WILL RECEIVE NON-MOISTURE RESISTANT TERRAZZO, CERAMIC TILE, QUARRY TILE, OR A LIQUID SEALENT/SEALER, ARE TO BE MOIST, CURED FOR A MINIMUM OF 7 DAYS.

2. INTERIOR SLAB ON GRADE AREAS THAT WILL RECEIVE MOISTURE RESISTANT FLOOR COVERINGS ARE TO BE CURED FOR A MINIMUM OF 14 DAYS. FOR EXTERIOR SLABS, FOR 1 DAYS. EDGES AND JOINTS ARE TO BE SEALED. RETRYING OF THE SLAB AT ANY TIME DURING CONSTRUCTION SHOULD BE AVOIDED.

3. ALL OTHER SLAB AREAS WHICH WILL RECEIVE MOISTURE RESISTANT FLOOR COVERINGS MAY BE EITHER MOIST, CURED OR BE GIVEN AN APPLICATION OF CURING COMPOUND, EXCEPT THAT WHEN CONCRETE ABOVE GRADE IS PLACED IN THE OPEN, AND THE AIR TEMPERATURE EXCEEDS 60° F, THE CONCRETE IS TO BE MOIST, CURED FOR THE FIRST 24 HOURS.

4. WHICHEVER CURING METHOD IS USED, IT IS TO COMMENCE IMMEDIATELY AFTER PLACEMENT. DO NOT ALLOW CURING TO BE DELAYED OVERNIGHT.

5. PREVENT EXCESSIVE MOISTURE LOSS FROM THE CONCRETE SURFACES. IF FORMS ARE REMOVED BEFORE 7 DAYS HAVE ELAPSED, CURE THE FORMED SURFACES BY MOIST, CURING OR APPLICATION OF CURING COMPOUND FOR THE REMAINDER OF THE CURING PERIOD.

B. PROTECTION

1. WHEN AIR TEMPERATURE DURING PLACEMENT IS LESS THAN 40° F, OR WILL BE WITHIN 24 HOURS, TEMPERATURE OF CONCRETE IS PLACED TO BE BETWEEN 50° F AND 90° F, AND 90° F FOR SECTIONS LESS THAN 12 INCHES THICK AND A NON-CHLORIDE ACCELERATOR SHALL BE USED. MAINTAIN CONCRETE TEMPERATURE WITHIN THESE LIMITS FOR THE FULL CURING PERIOD OF 7 DAYS.

2. WHEN AIR TEMPERATURE DURING PLACEMENT IS GREATER THAN 40 DEGREES, A WATER-REDUCING RETARDER, SUCH AS CALCEM, MAY BE USED TO MAINTAIN TEMPERATURE BELOW 90° F AT TIME OF PLACEMENT. CHILLED MIXING WATER OR CHILLED ICE MAY BE USED TO REDUCE TEMPERATURE. PROTECT CONCRETE FROM EXCESSIVE DRYING BY CALCULATING TO TOTAL AMOUNT OF MIXING WATER, USING LIQUID NITROGEN TO COOL CONCRETE IS NOT PERMITTED.

3. CONTRACTORS' OBLIGATION

1. WHEN ANY SLAB THAT IS NOT MEETING THE FINISH REQUIREMENTS, THE ARCHITECT WILL DETERMINE THE REQUIRED REPAIR OR CORRECTION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH REPAIRS THAT ARE NOT DUSTING, OR SHOWING OTHER FORMS OF IMPROPER CURING, ANY CORRECTIVE MEASURES ATTEMPTED WILL BE SUBJECT TO APPROVAL OF THE ARCHITECT AND WILL BE PERFORMED BY THE CONTRACTOR'S PERSONNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEALENDERS/SEALER OR GRINDING, OR COVERING WITH SPECIFIED REPAIR TOPPING. IMMEDIATELY PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL PROTECT ALL INTERIOR SURFACES THAT ARE EXPOSED TO VIEW ANY STAIN-PRODUCING ELEMENTS, SUCH AS FRUIT, MALL, WINE, REMOVING SODAS, AND FORMS.

2. REMOVE ALL STAINABLE REMAINS OF WEAK AREAS OR PATTERNED CEMENTS IS ACCEPTABLE, BUT SURFACE IS TO BE COMPLETELY NEUTRALIZED AFTER USE.

3. REPAIRS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: REPAIR THE SPECIFIED BONDING COMPOUNDS, CEMENTITIOUS, OR EPOXY REPAIR MATERIALS MUST BE USED. REPAIR PROCEDURES MUST BE SUBMITTED AND REVIEWED BY THE ENGINEER OF RECORD.

4. CAST FORMED FINISHES SHALL COMPLY WITH THE FOLLOWING:

1. CONCRETE SURFACES EXPOSED TO VIEW (SURFACE TOLERANCE CLASS C PER ACI 117)

a. PATCHES OVER 10" SQUARE SHALL BE 1/2" DEEP.

b. REMOVE PROJECTIONS LARGER THAN 1/4".

2. CONCRETE SURFACES EXPOSED TO VIEW (SURFACE TOLERANCE CLASS C PER ACI 117)

a. PATCHES OVER 10" SQUARE SHALL BE 1/2" DEEP.

b. REMOVE PROJECTIONS LARGER THAN 1/4".

c. PATCHES OVER 10" SQUARE SHALL BE 1/2" DEEP.

5. FAILURE OF CONCRETE TOPPING TO BOND TO SUBSTRATE (AS EVIDENCED BY A HOLLOW SOUND WHEN TAPPED), OR CONSOLIDATION OR OTHER FAILURE OF TOPPING TO PERFORM AS A FLOOR FINISH WILL BE CONSIDERED FAILURE OF THE MIX AND OF THE FORMWORK. REPAIR OR REPLACE TOPPING IN AREAS OF SUCH FAILURES, AS DIRECTED.

3.8 ACCEPTANCE

A. CONCRETE WORK WITH SERIOUS HOMEOWNING, FORM MISALIGNMENT, OR OTHER DEVIATION FROM CONTRACT REQUIREMENTS IS SUBJECT TO REJECTION PER ACI 301, SECTION 1.

1. WHEN OBSERVATIONS OR TESTS INDICATE THAT THE CONTRACT REQUIREMENTS HAVE NOT BEEN MET, THE CONTRACTOR IS TO BEAR THE COSTS OF ANY ADDITIONAL TESTS AND ANALYSIS TO DETERMINE ACCEPTABILITY OF THE WORK OR THE COST OF REMOVAL AND REPLACEMENT, IF SUCH IS REQUIRED PER ACI 301, SECTION 1.

3.9 FIELD QUALITY CONTROL

1. INSPECTOR AND TESTING SHALL BE IN ACCORDANCE WITH SPECIAL INSPECTIONS DESIGNATED FOR THIS PROJECT AS APPROVED BY THE BUILDING OFFICIAL. SPECIAL INSPECTIONS MUST BE DOCUMENTED WITH ALL CORRECTIVE MEASURES AND REPAIRS TO SATISFY COMMISSIONING CERTIFICATES AS DEMAND NECESSARY BY THE JURISDICTION.

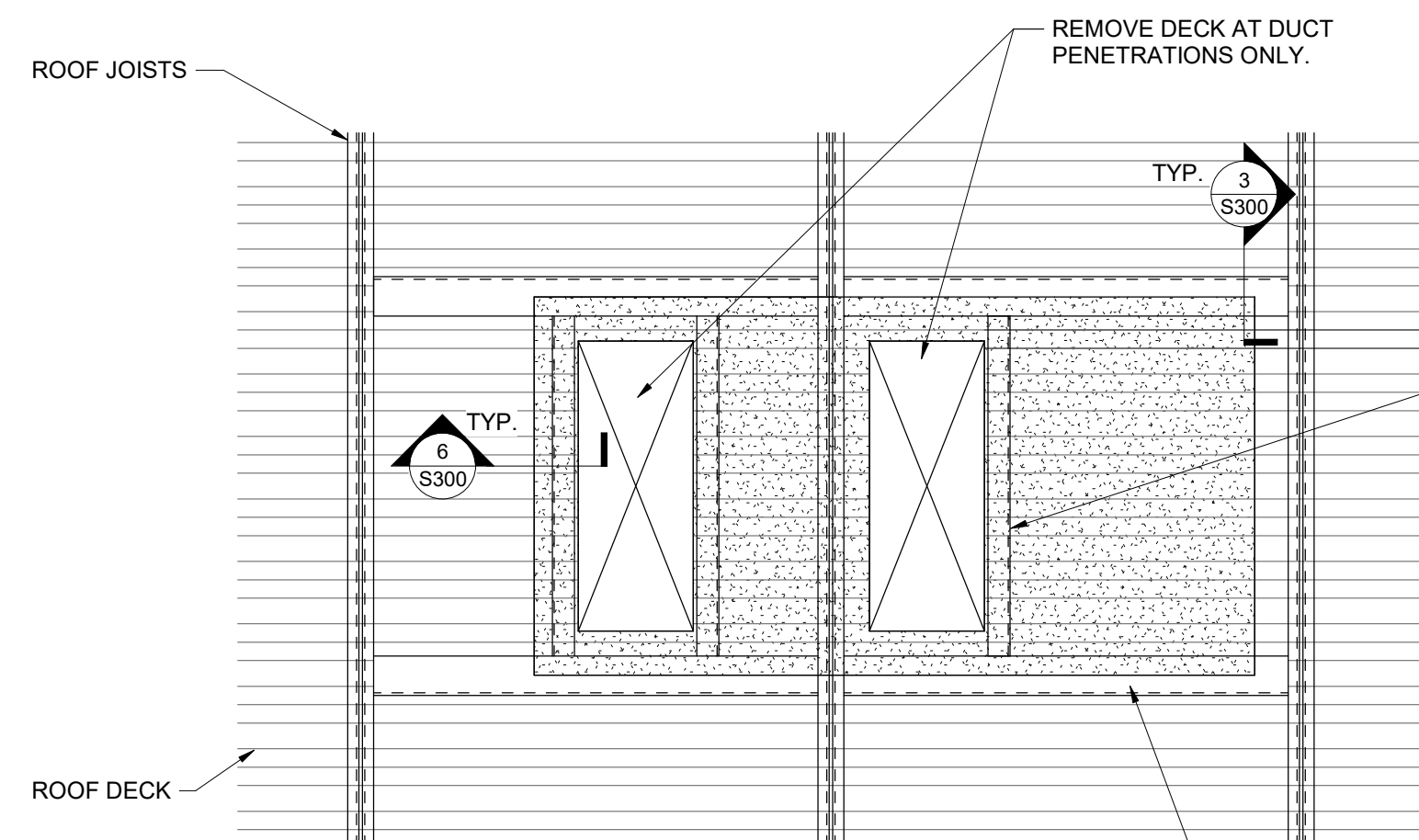
B. ALL TESTS AND INSPECTION SHALL BE PER ACI 301, SECTION 1.6



S105

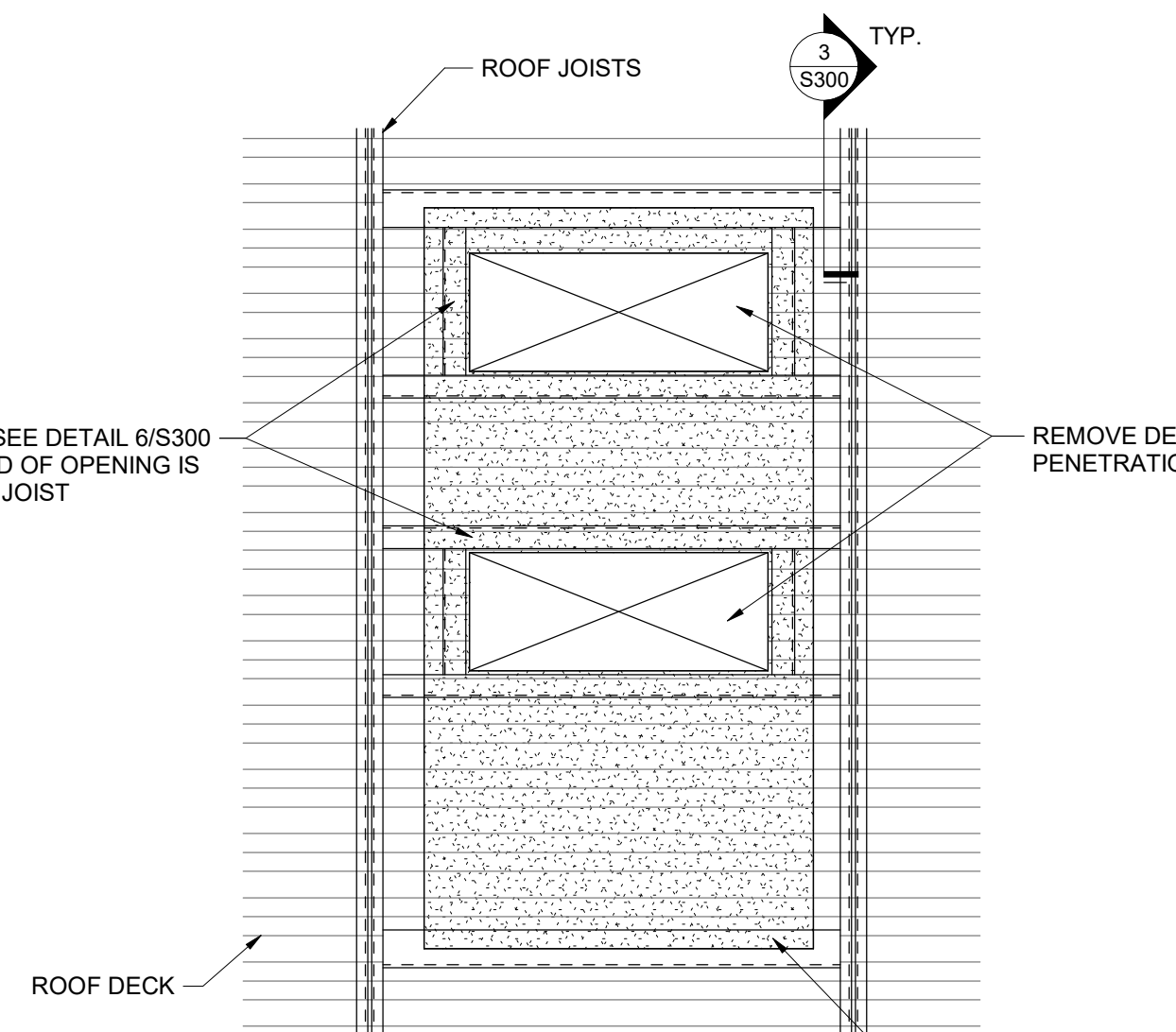
- ROOF TOP UNIT SUPPORT NOTES:

1. INSTALL 1.5x5x5/16 UNDER DECK
2. POSITION CURB OVER ANGLES AND LOCATE REQUIRED DUCT PENETRATIONS THRU ROOF. REFERENCE MECHANICAL DRAWINGS FOR EXACT SIZES.
3. REMOVE DECK AT DUCT PENETRATION LOCATIONS AS REQUIRED. FIELD WELD NEW DECK SUPPORT ANGLES BETWEEN CHANNELS. DECK SUPPORT ANGLE MAY BE OMITTED IF EDGE OF PENETRATION IS WITHIN 6" OF AN EDGE OF JOIST.
4. SCREW EXISTING DECK EDGE TO DECK SUPPORT ANGLES W/ #12 SELF-DRILLING SCREWS IN 3/64 PATTERN.



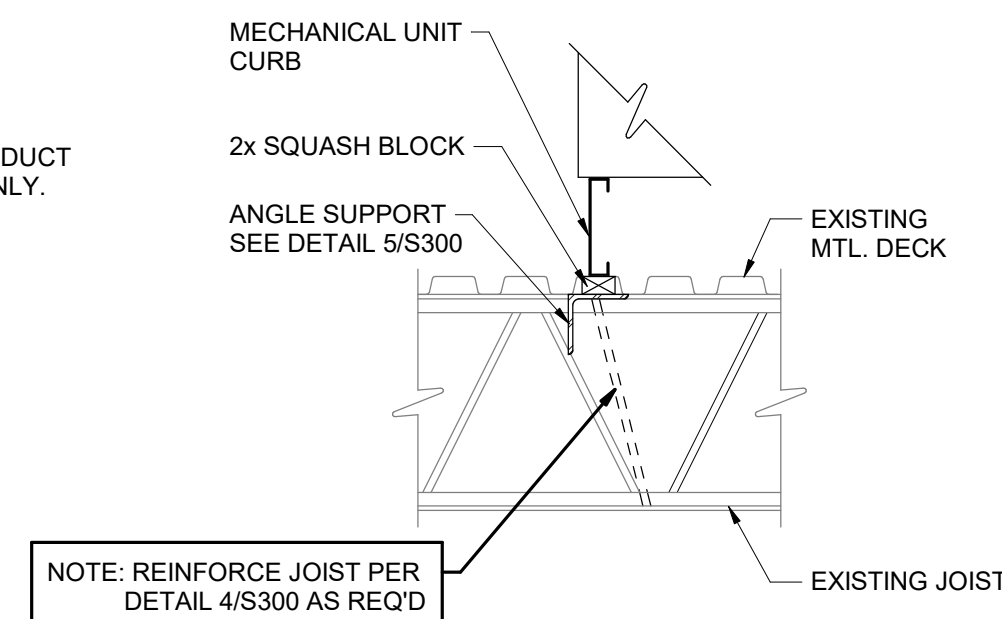
LONG DIMENSION OF UNIT PERPENDICULAR TO JOISTS

RTU FRAMING PLAN



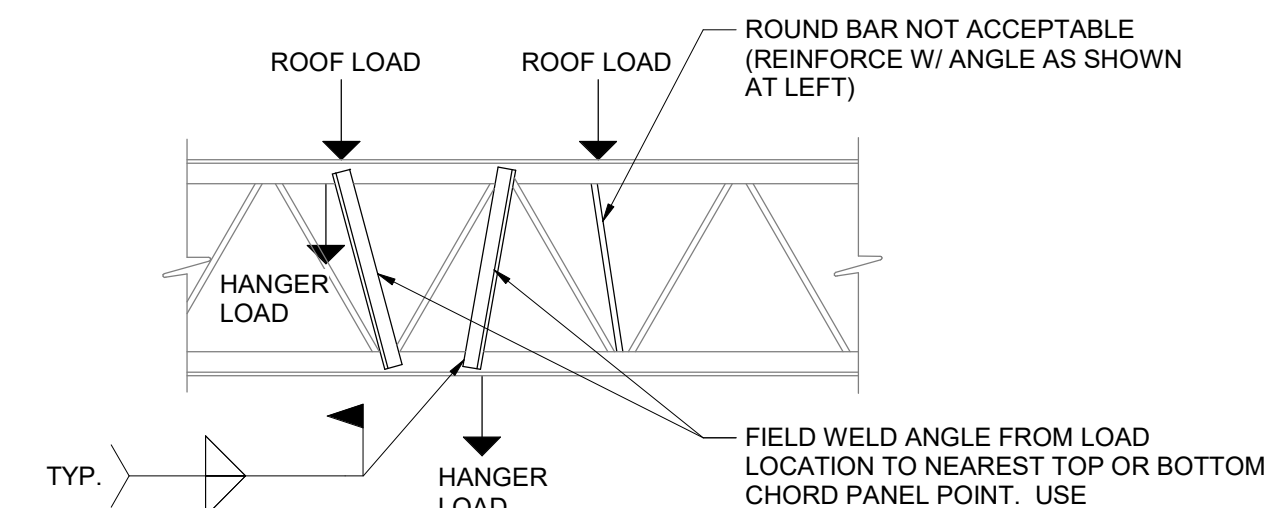
LONG DIMENSION OF UNIT PARALLEL TO JOISTS

RTU FRAMING PLAN

$$1/2'' = 1'-0''$$


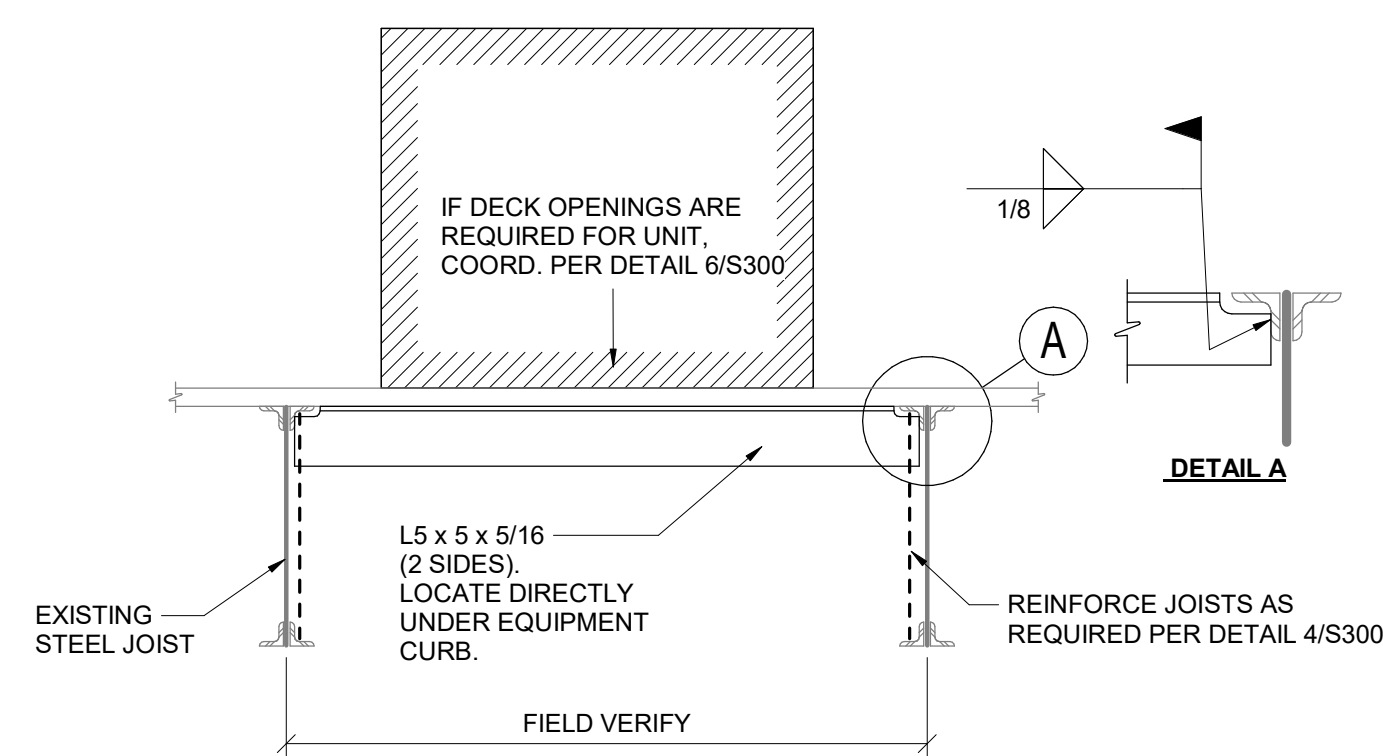
(TYP. @ ALL MECH. UNITS)

SECTION 3

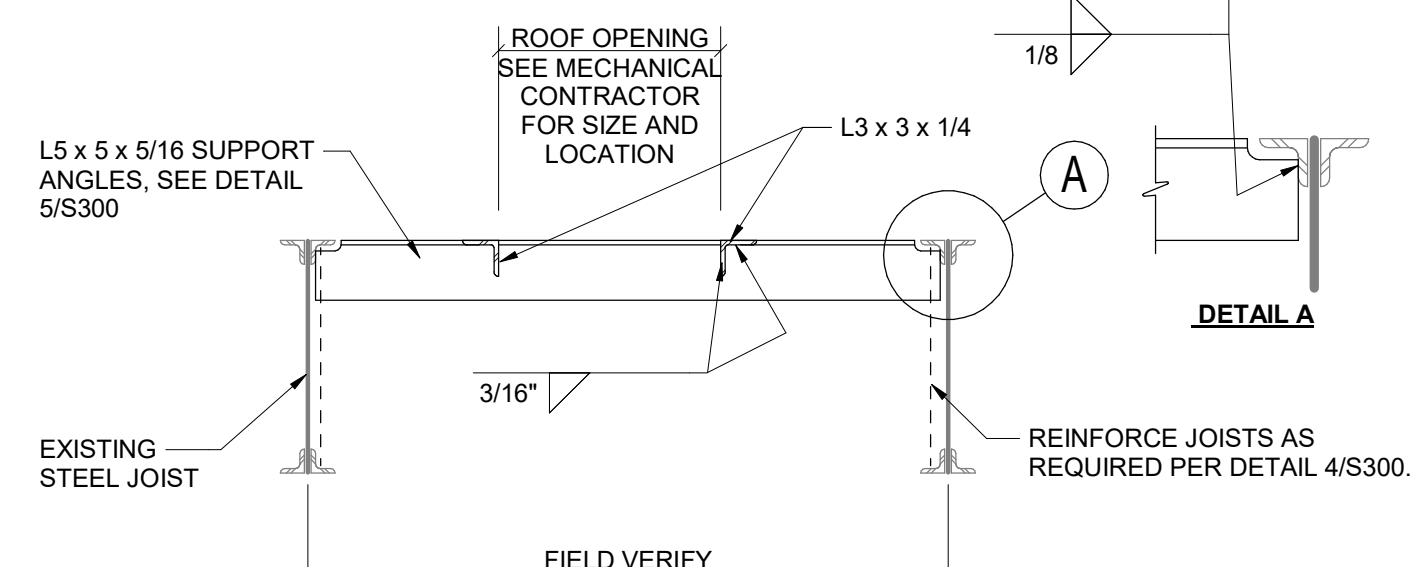
$$3/4'' = 1'-0''$$


MODIFICATION IS TYP. FOR ALL JOISTS
SUPPORTING LOAD FROM TOP OR BOTTOM
CHORD BETWEEN PANEL PTS. VERIFY LOC.
& NO. OF LOADS W/ ARCH., MECH., PLUMB.,
& ELEC. DWGS.

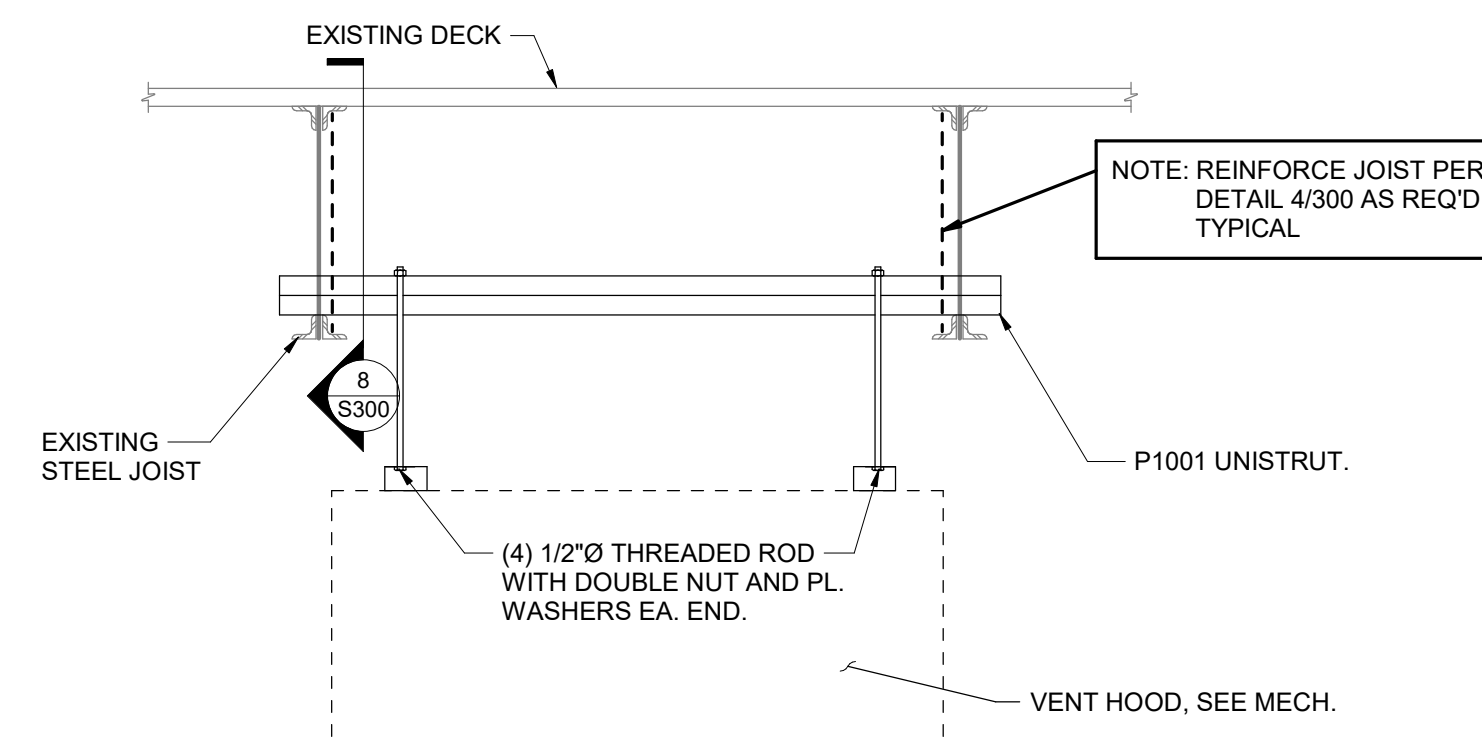
JOIST REINF. DETAIL

$$\frac{3}{4}'' = 1'-0''$$


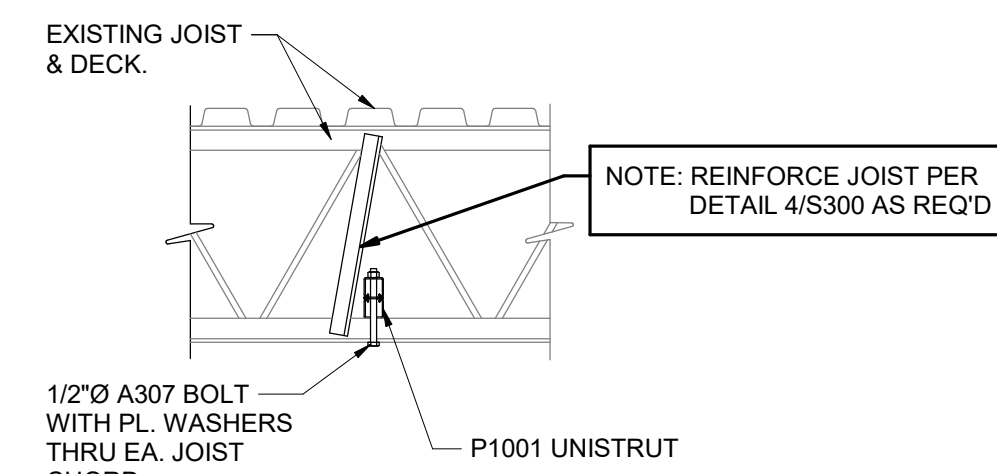
SECTION 5
 $3/4" = 1'-0"$

$$\frac{3}{4}'' = 1'-0''$$


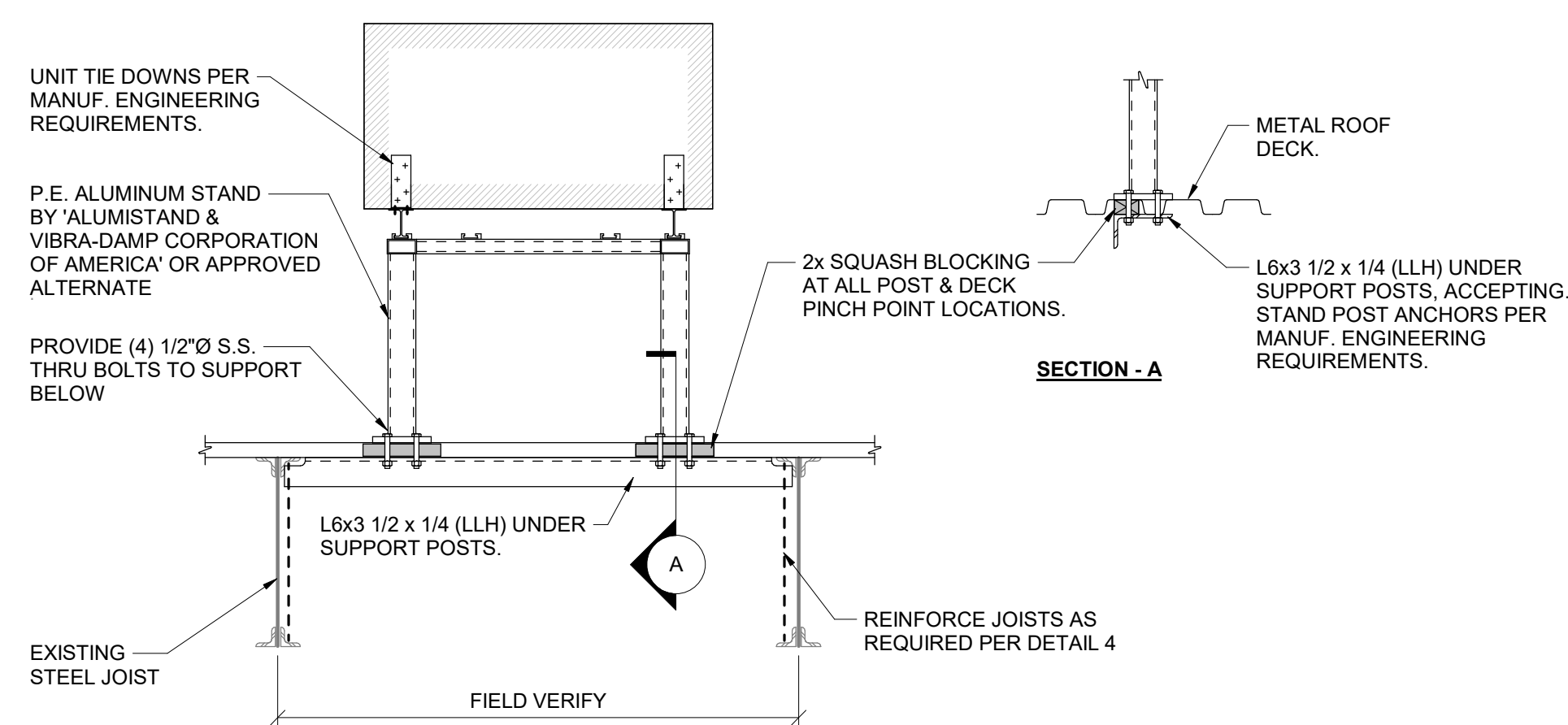
SECTION 6

$$\frac{3}{4}'' = 1'-0''$$


VENT HOOD SECTION 7

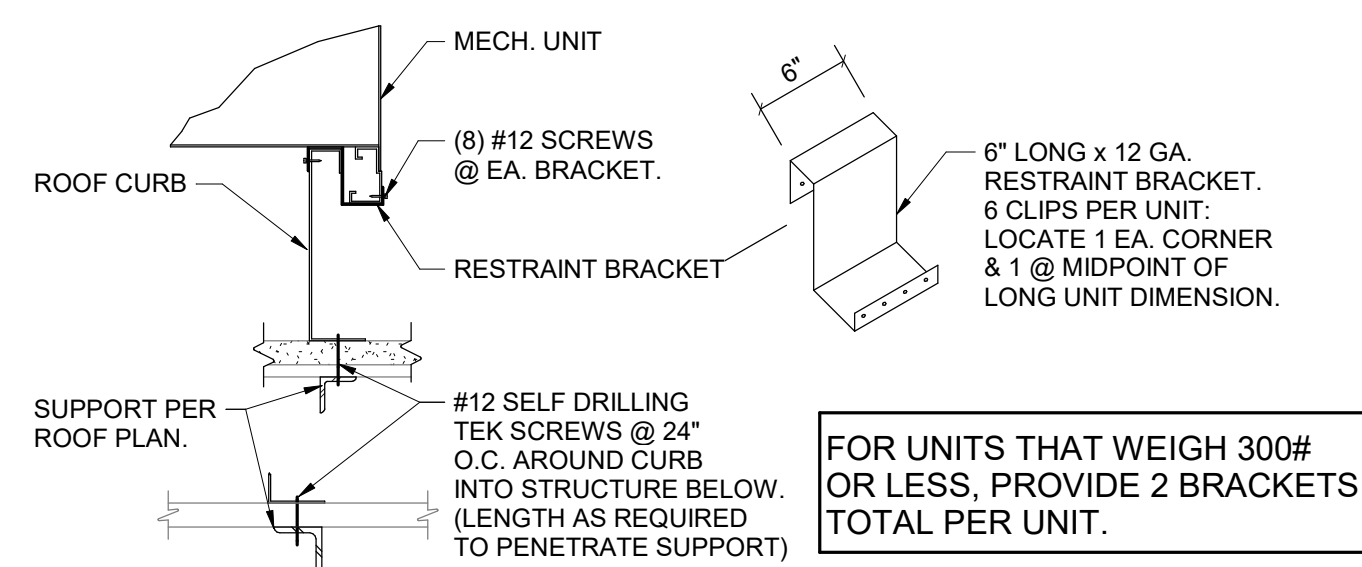
$$\frac{3}{4}'' = 1'-0''$$


SECTION 8
3/4" = 1'-0"

$$3/4'' = 1'-0''$$


SECTION 9

$\frac{3}{4}'' = 1'-0''$



FOR UNITS THAT WEIGH 300#
OR LESS, PROVIDE 2 BRACKETS
TOTAL PER UNIT.

SECTION 10
3/4" = 1'-0"

$$\frac{3}{4}'' = 1'-0''$$

FIRE PROTECTION MATERIAL SCHEDULE		
CATEGORY	APPLICATION	ALLOWABLE MATERIAL
SPRINKLER HEAD	EXPOSED STRUCTURE CEILING	BRASS OR CHROME UPRIGHT
	GYPSUM BOARD CEILING	CHROME RECESSED PENDANT WITH CHROME ESCUTCHEON
	STONEWOOD	CONCEALED PENDENT WITH BLACK COVER PLATE
	LAY-IN CEILING	CHROME RECESSED PENDANT WITH CHROME ESCUTCHEON
	WALK-IN COOLER	FREEZE-PROOF PENDANT

FIRE PROTECTION SCHEDULE				
ROOM NUM.	DESCRIPTION	CEILING	HEIGHT	HAZARD
100	MAIN ENTRY	EXPOSED STRUCTURE	VARIES	LIGHT
101	DINING	EXPOSED STRUCTURE	VARIES	LIGHT
102	UTENSIL	STONEWOOD	8'-3"	LIGHT
103	PASSAGE	GYPSUM BOARD	9'-0"	LIGHT
104	POS	GYPSUM BOARD	9'-0"	ORD. HAZ. 1
105	ORDERING	EXPOSED STRUCTURE	VARIES	LIGHT
106	SERVING	GYPSUM BOARD	9'-0"	ORD. HAZ. 1
107	COOKING	LAY-IN	10'-0"	ORD. HAZ. 1
108	KITCHEN	LAY-IN	10'-0"	ORD. HAZ. 1
109	OFFICE	LAY-IN	9'-0"	LIGHT
110	COOLER	INTEGRAL	9'-4"	ORD. HAZ. 1
111	UNISEX 1	GYPSUM BOARD	8'-0"	LIGHT
112	UNISEX 2	GYPSUM BOARD	8'-0"	LIGHT

FIRE PROTECTION SCHEDULE NOTES

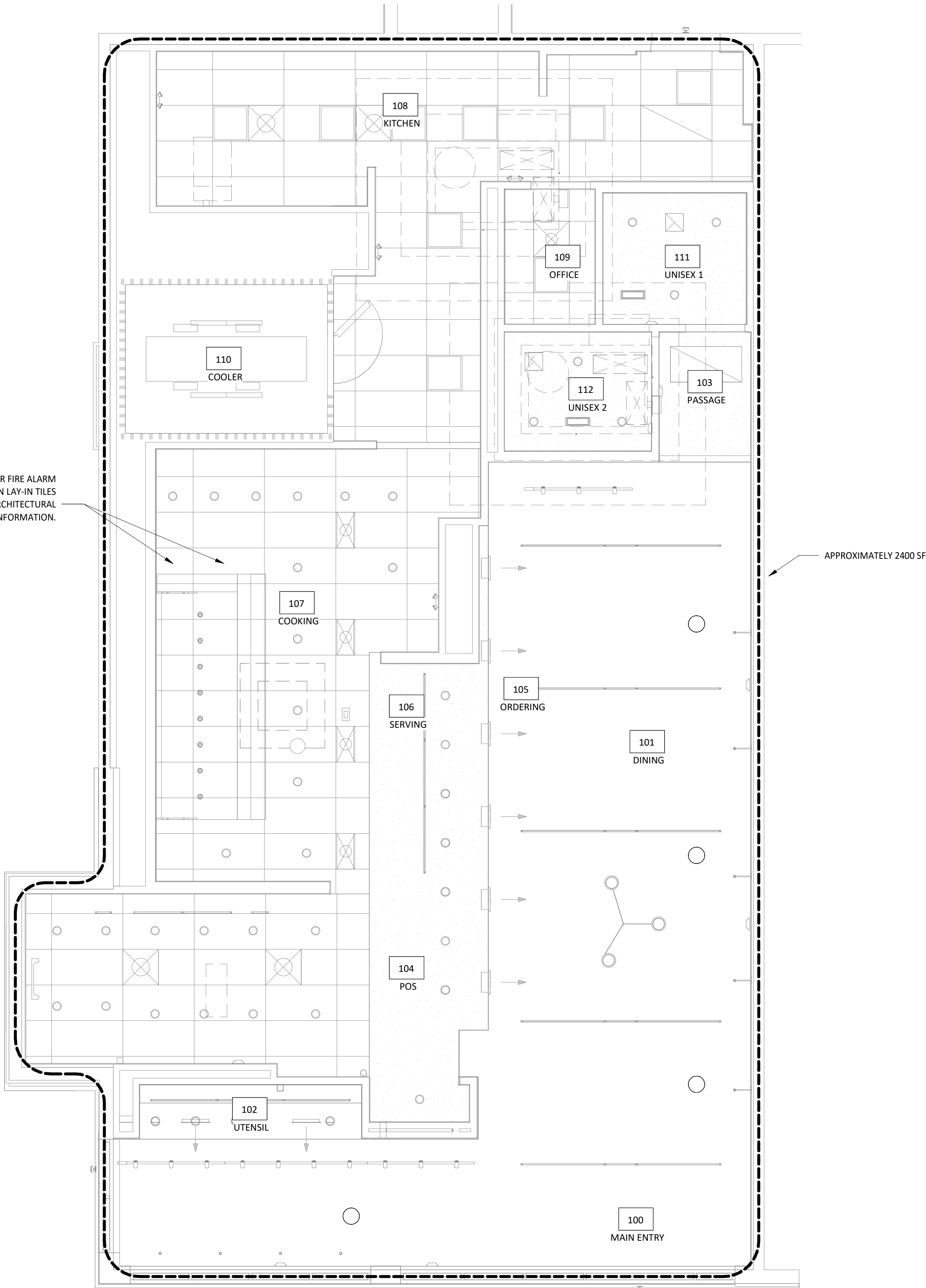
A CEILING HEIGHT SHOWN IS APPROXIMATE. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT CEILING HEIGHT.

FIRE PROTECTION GENERAL NOTES

- A FIRE PROTECTION WORK SHALL BE DONE IN ACCORDANCE WITH THE BUILDING CODE, NFPA, LOCAL FIRE DEPARTMENT STANDARDS, AND THE AUTHORITY HAVING JURISDICTION. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.
- B EXISTING FIRE PROTECTION SYSTEM: EXISTING WET PIPE SPRINKLER SYSTEM WITH DISTRIBUTION THROUGHOUT SPACE AND HEADS TURNED UP TO DECK.
- C FIRE PROTECTION SCOPE OF WORK: MODIFY THE EXISTING HEAD LAYOUT IN THE SPACES SHOWN TO SUIT THE NEW FLOOR PLAN. PROVIDE NEW HEADS AND PIPING AS NECESSARY FOR A COMPLETE SYSTEM. PROVIDE HYDRAULIC CALCULATIONS FOR REVISED FIRE PROTECTION SYSTEM.
- D EXISTING FIRE ALARM SYSTEM: EXISTING ADDRESSABLE FIRE ALARM SYSTEM WITH FACP IN BASE BUILDING RISER ROOM, NOTIFICATION APPLIANCE IN SPACE, AND PULL STATIONS AT EXITS.
- E FIRE ALARM SCOPE OF WORK: MODIFY THE EXISTING FIRE ALARM SYSTEM IN THE SPACES SHOWN TO SUIT THE NEW FLOOR PLAN. PROVIDE NEW DEVICES AS NECESSARY FOR A COMPLETE SYSTEM.
- F COORDINATE HEAD AND DEVICE LAYOUT WITH EXPOSED DUCTWORK, LIGHT FIXTURES, HVAC EQUIPMENT, ARCHITECTURAL CEILING ELEMENTS, AND WALL-MOUNTED EQUIPMENT. SEE ARCHITECTURAL, HVAC, PLUMBING, AND ELECTRICAL PLANS FOR LOCATIONS. PROVIDE HEADS AND DEVICES IN LAY-IN CEILINGS AT QUARTER POINTS ALONG LONG AXIS OF CEILING TILES.
- G SUBMIT FIRE PROTECTION AND FIRE ALARM SHOP DRAWINGS SHOWING HEAD AND DEVICE LAYOUTS TO ARCHITECT PRIOR TO SUBMITTING FOR PERMIT APPROVAL.
- H OBTAIN PERMITS, APPROVALS, AND INSPECTIONS FOR REVISED FIRE PROTECTION AND ALARM SYSTEMS.
- I CEILING HEIGHTS AND CEILING FIXTURE PLACEMENTS SHOWN ARE APPROXIMATE. SEE ARCHITECTURAL RCP FOR EXACT CEILING HEIGHTS AND CEILING FIXTURE DIMENSIONS.
- J IF A SLAT CEILING SYSTEM IS INSTALLED IN THE DINING ROOM WHERE IT WILL INTERFERE WITH THE PATTERN DEVELOPMENT OF SPRINKLER HEADS ABOVE THE SLAT CEILING (WITHIN 18" BELOW SPRINKLER HEADS) THEN PROVIDE INTERMEDIATE LEVEL IN-RACK PENDANT SPRINKLER HEADS IN SLAT CEILING SYSTEM PER THE ARCHITECTURAL DETAILS.
- K THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

FOR REFERENCE ONLY:
FIRE PROTECTION AND ALARM
SYSTEMS ARE TO BE DESIGNED
BY THE GENERAL CONTRACTOR

NO SPRINKLER HEADS OR FIRE ALARM DEVICES SHALL BE PLACED IN LAY-IN TILES USED FOR HOOD ACCESS. SEE ARCHITECTURAL RCP FOR MORE INFORMATION.



FIRE PROTECTION PLAN
1
F100
1/4" = 1'-0"

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Contents:
FIRE PROTECTION
PLAN

F100

SECTION 15732 - PACKAGED ROOFTOP AIR-CONDITIONING UNITS
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: Product Data and Shop Drawings.
B. Comply with ASHRAE 15.
C. EER: Equal to or greater than prescribed by the energy code adopted by the Authority Having Jurisdiction.
D. Warranties: Submit a written warranty, signed by the manufacturer, agreeing to the repair or replacement of components that fail within 5 years of Substantial Completion.
PART 2 - PRODUCTS
2.1 PACKAGED UNITS, 5 TO 20 TONS
A. Factory assembled and tested, consisting of compressors, condensers, evaporator coils, condenser and evaporator fans, refrigeration and temperature controls, filters, and dampers.
1. Refer to Rooftop Heating/Cooling Unit Schedule on drawing M600 for capacities, and manufacturers.
2. Evaporator Fans: Belt or direct driven, forward curved centrifugal.
3. Exhaust/Relief Fans: Direct drive, forward curved centrifugal or propeller.
4. Condenser Fans: Direct drive propeller.
5. Refrigerant Coils: Aluminum fins and copper coil.
6. Compressors: Serviceable hermetic or fully hermetic, with safety controls, hot gas bypass, and timed off controls.
7. Heat Exchangers: Gas fired, with gas controls, electronic ignition, high limit cutout, and forced draft proving switch.
8. Economizer controls (Comparative Enthalpy, 100% capacity).
9. Smoke Detectors: Photoelectric in supply and/or return as called for in schedule on sheet M600.
10. Operating Controls: Two stage heating and two stage cooling on units 7-1/2 tons and over.
11. Roof curb.
12. Control Wiring from T-stat to rooftop unit: Shall be 18ga / 7 conductor, rated for plenum applications.
13. Control Wiring from T-stat to remote sensor: Shall be a separate 18ga / 2 conductor shielded, rated for plenum applications.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Install units level and plumb and firmly anchored.
B. Connect gas piping to burner with pipe same size as gas train inlet, and provide union with sufficient clearance for burner removal and service.
C. Install ducts to termination in roof mounting frames. Terminate ducts through roof structure.
D. Connect units to wiring systems and to ground.
END OF SECTION 15732

SECTION 15810 - DUCTS AND ACCESSORIES
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: Product Data for fire and smoke dampers.
B. Comply with NFPA 90A for systems serving spaces more than 25,000 cu. ft. in volume or building Types II, IV, and V construction more than 3 stories in height.
C. Comply with NFPA 90B for systems serving spaces in 1 or 2 family dwellings or serving spaces less than 25,000 cu. ft..
D. Comply with NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations," for kitchen hood ducts.
E. Comply with UL 181 and UL 181A for ducts and closures.
F. Testing, Adjusting, and Balancing Agency Qualifications: AABC certified (to be furnished by Tenant).
PART 2 - PRODUCTS
2.1 DUCTS
A. Spiral Duct: Spiral Lock Seam, without insulation, G90 galvanized finish, ASTM A-653/924
1. Basis of Design Manufacturers: Lindab SPIROsafe, alternates to the basis of design must be submitted for review.
2. Fittings: Factory produced standing seam construction with internal sealing. Fittings with a major axis of 36" or smaller shall be 20 gauge. Fittings with a major axis of 37"-48" shall be 18 gauge.
B. Galvanized Steel Sheet: Forming steel, ASTM A 653/653M, G90 coating designation.
C. Duct Liner: ASTM C 1071, Type II, with an airstream surface coated with a temperature resistant coating. Thickness: 1-1/2 inch. R-value : 8.
1. Adhesive: ASTM C 916, Type I.
2. Mechanical Fasteners: Galvanized steel pin, length as required to penetrate liner plus a 1/8 inch projection maximum into the airstream.
D. Joint and Seam Tape: Comply with UL 181A.
E. Joint and Seam Sealant: Comply with UL 181A.
F. Rectangular Metal Duct Fabrication: Comply with SMACNA's "HVAC Duct Construction Standard" for metal thickness, reinforcing types and intervals, tie rod applications, and joint types and intervals.
2.2 ACCESSORIES
A. Volume-Control Dampers: Factory fabricated volume control dampers, complete with required hardware and accessories. Single blade and multiple opposed blade, standard leakage rating, and suitable for horizontal or vertical applications.
B. Fire Dampers: Factory-fabricated fire dampers, complete with required hardware and accessories. UL labeled according to UL 555, "Fire Dampers".
C. Flexible Connectors: Flame retardant or noncombustible fabrics, coatings, and adhesives complying with UL 181, Class 1.
D. Flexible Ducts: Factory fabricated, insulated, round duct, with an outer jacket enclosing 2 inch thick, glass fiber insulation, R-value: 6.0, around a continuous inner liner.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Duct System Pressure Class: Construct and install each duct system with 2 inch positive and negative duct pressure classifications.
B. Conceal ducts from view in finished and occupied spaces. Except where noted as exposed.
C. Avoid passing through electrical equipment spaces and enclosures.
D. Support and connect metal ducts according to SMACNA's "HVAC Duct Construction Standard".
E. Install duct accessories according to applicable portions of details of construction as shown in SMACNA standards.
F. Install liner and/or insulation on ductwork per the material schedule on sheet M010.
G. Install volume control dampers in lined duct with methods to avoid damage to liner and to avoid erosion of duct liner.
H. Install fire and smoke dampers according to manufacturer's UL approved written instructions.
I. Install fusible links in fire dampers.
J. Provide saddle taps at tees for exposed ductwork.
3.2 TESTING, ADJUSTING, AND BALANCING
A. The Tenant will supply an independent balance agent to to balance and adjust the HVAC installation. The balance agent will be responsible for any pulley or belt changes required.
B. The GC is to have trained staffed available during the balancing to correct issues noted by the balance agent.
C. The balance agent is to balance airflow within distribution systems, including submains, branches, and terminals to indicated quantities +/- 10%. The hood exhaust system shall be balanced to a tolerance of -0+10% and the make-up air system to a tolerance of -10+0%.
D. The balance agent is to supply a copy of the balance report to the Tenant, engineer and general contractor for review.
END OF SECTION 15810

SECTION 15855 - DIFFUSERS, REGISTERS, AND GRILLES
PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: None.
PART 2 - PRODUCTS
2.1 OUTLETS AND INLETS
A. All air terminal devices:
1. Refer to Grills, Registers, and Diffusers Schedule for equipment schedule
2. Manufacturer: As scheduled (NO SUBSTITUTIONS)
3. Material: As scheduled.
4. Finish: As scheduled.
5. Mounting: As scheduled.
PART 3 - EXECUTION
3.1 INSTALLATION
A. Coordinate location and installation with duct installation and installation of other ceiling and wall mounted items.
B. Locate ceiling diffusers, registers, and grilles, as indicated on the architectural "reflected ceiling plans." Unless otherwise indicated, locate units in center of acoustical ceiling panels.
END OF SECTION 15855

HVAC MATERIAL SCHEDULE		
CATEGORY	APPLICATION	ALLOWABLE MATERIAL
DUCT	EXPOSED SUPPLY	RECT. LINED OR ROUND AS SHOWN, NO EXPOSED DUCT-SEALING MASTIC
	EXPOSED RETURN	RECTANGULAR, NO EXPOSED DUCT-SEALING MASTIC
	EXPOSED GEN. EXHAUST	RECTANGULAR OR ROUND AS SHOWN, NO EXPOSED DUCT-SEALING MASTIC
	CONCEALED, SUPPLY	RECT. OR ROUND AS SHOWN, LINED OR INSULATED
	CONCEALED, RETURN	RECT. OR ROUND AS SHOWN, LINED OR INSULATED
	CONCEALED, GEN. EXHAUST	RECT. OR ROUND AS SHOWN
	CONCEALED, TYPE I HOOD EXHAUST	RECTANGULAR 16 GA. BLACK IRON W/ WRAP OR UL 1978 FACTORY-MANUFACTURED DUCT W/ WRAP (SUBMIT SHOP DRAWINGS FOR FACTORY-MANUFACTURED DUCT PRIOR TO ORDERING FOR APPROVAL)

HVAC GENERAL NOTES

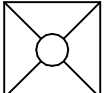
- A GENERAL NOTES APPLY TO HVAC SHEETS.
B WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION, INCLUDING APPLICABLE SECTIONS OF NFPA, THE MECHANICAL CODE, AND ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE PERMITS ASSOCIATED WITH THE WORK. OBTAIN INSPECTIONS REQUIRED BY CODE. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.
C CONTRACTOR AND SUBCONTRACTORS SHALL REVIEW A COMPLETE SET OF THE CONSTRUCTION DOCUMENTS.
D COORDINATE WORK WITH THE WORK OF OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND OF THE EXISTING CONDITIONS AT THE PROJECT SITE.
E DRAWINGS FOR THE MECHANICAL WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWING SHALL NOT BE SCALED FOR EXACT MEASUREMENTS; REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, OFFSETS, ACCESSORIES, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
F DUCT DIMENSIONS ON PLANS INDICATE DIMENSIONS OF INTERNAL FREE AREA.
G PERFORATED CEILING DIFFUSERS SHALL BE 4-WAY UNLESS NOTED OTHERWISE.
H COORDINATE ROOF WORK WITH THE OWNER'S CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
I UNLESS NOTED OTHERWISE RECTANGULAR DUCT ELBOWS GREATER THAN 45° SHALL BE MITERED ELBOWS WITH DOUBLE-THICKNESS TURNING VANES AND RECTANGULAR DUCT ELBOWS 45° OR LESS SHALL BE RADIUSED ELBOWS WITH AN INSIDE RADIUS OF AT LEAST 1/2 THE WIDTH OF THE DUCT.
J REPLACE AIR FILTERS WITH NEW, CLEAN MERV 8 AIR FILTERS AT TURNOVER.
K THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
L INSTALL LABELING CALLED FOR IN THE MECHANICAL DRAWINGS USING ENGRAVED PHENOLIC PLATES (WHITE WITH BLACK LETTERING).
M PROVIDE P3000 12 GA. UNISTRUT WITH PG FINISH FOR DUCT SUPPORTS AND OTHER UNISTRUT IN AREAS EXPOSED TO VIEW. SLOTTED UNISTRUT AND OTHER UNISTRUT WITH HOLES IS NOT ACCEPTABLE.

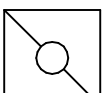
HVAC ABBREVIATIONS

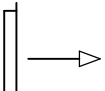
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
CD CEILING DIFFUSER
CU CONDENSING UNIT
(E) EXISTING
EF EXHAUST FAN
ER EXHAUST REGISTER
EXT'G EXISTING
HD HOOD
MUA MAKEUP AIR UNIT
OBD BLADE DAMPER
RG RETURN GRILLE
RTU ROOFTOP UNIT
SR SUPPLY REGISTER
VSC VARIABLE SPEED CONTROL

COZAS TENANT'S CO2 ALARM SUPPLIER
GC GENERAL CONTRACTOR
HES TENANT'S HVAC EQUIPMENT SUPPLIER
HS TENANT'S HOOD SUPPLIER
KES TENANT'S KITCHEN EQUIPMENT SUPPLIER
TAB TENANT'S TEST AND BALANCE VENDOR
TCC TENANT'S CABLING CONTRACTOR
TDC TENANT'S DUCT CLEANER
TEMS TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
TLS TENANT'S LIGHT/LAMP SUPPLIER
TMB TENANT'S MENU BOARD SUPPLIER
TMS TENANT'S MILLWORK SUPPLIER
TP TENANT'S PHONE SUPPLIER
TPS TENANT'S PANELBOARD SUPPLIER
TRS TENANT'S RAILING SUPPLIER
TSV TENANT'S SIGN VENDOR
TUV TENANT'S UV SANITIZER SUPPLIER
WCS TENANT'S WALK-IN COOLER SUPPLIER
WHS TENANT'S WATER HEATER SUPPLIER

HVAC SYMBOLS

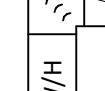
 CEILING DIFFUSER

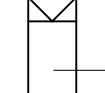
 CEILING-MOUNTED RETURN OR EXHAUST REGISTER

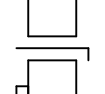
 SUPPLY REGISTER

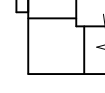
 RETURN GRILLE

 FLEXIBLE DUCT

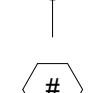
 MITERED CORNER WITH TURNING VANES

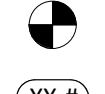
 DUCTWORK INTERNAL FREE DIMENSIONS (WIDTH/HEIGHT) RECTANGULAR TO ROUND DUCT TRANSITION

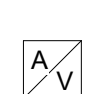
 DUCT-MOUNTED SMOKE DETECTOR

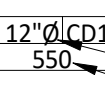
 MOTOR-OPERATED DAMPER

 MANUAL VOLUME DAMPER

 GREASE DUCT CLEANOUT

 MITERED CORNER WITHOUT TURNING VANES

 GRIDPOINT THERMOSTAT

 GRIDPOINT ZONE SENSOR MODULE

 GRIDPOINT SUPPLY PROBE

 PLAN NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING

 CONNECT TO EXISTING

 EQUIPMENT TAG: SEE EQUIPMENT SCHEDULE ON SHEET M600 FOR EQUIPMENT INFORMATION

 AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET

 GRILL, REGISTER, OR DIFFUSER TAG: TAG NECK SIZE AIRFLOW [CFM]

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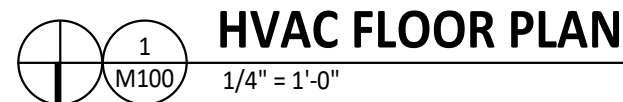
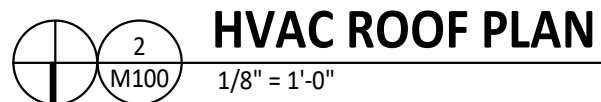
Project No.
2301190

Contents:

HVAC SPECIFICATIONS

M010

PART ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.
 PAINT DUCTWORK VISIBLE THROUGH DINING ROOM SUPPLY REGISTERS AND RETURN GRILL BLACK. TYPICAL.
 ADJUST SUPPLY REGISTERS SO THAT SUPPLY AIR HITS WALL ON OPPOSITE SIDE OF ROOM AT APPROXIMATELY 7' AFF WITH NO DRAFTS FELT IN THE DINING ROOM.
 24/18 DUCT UP FOR TRANSITION TO RTU-1 RETURN CONNECTION IN ROOF CURB.
 25/18 DUCT UP FOR TRANSITION TO RTU-2 RETURN CONNECTION IN ROOF CURB.
 24/18 DUCT UP FROM BUILDING SUPPLY THROUGH ROOF. TRANSITION TO RTU-1 SUPPLY CONNECTION IN ROOF CURB. RTU-1 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE SUPPLY AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-1 OPERATION.
 25/18 DUCT UP FROM BUILDING SUPPLY TO RTU-2 SUPPLY CONNECTION. TRANSITION IN ROOF CURB. RTU-2 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE SUPPLY AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-2 OPERATION.
 14/14 DUCT UP THROUGH ROOF. TRANSITION TO MAU-1 SUPPLY CONNECTION IN ROOF CURB.
 16/16 DUCT UP FROM HOOD THROUGH ROOF TO EF-1 COMPLIANT WITH NFPA 96. PROVIDE RADIUS'D ELBOWS WITH AN INSIDE RADIUS OF 0.5W AT ELBOWS IN GREASE DUCT.
 8/8 DUCT UP THROUGH ROOF TO EF-2.
 28/6 DUCT DOWN TO MAKEUP AIR PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL FOR 3.
 8" DIA. DUCT DOWN TO CAP VSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL. CAP UNUSED DUCT CONNECTIONS.
 INSTALL SINGLE GANG VERTICAL J-BOX GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU-2 AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THIS AREA. PROVIDE WIRING AS SHOWN IN DETAIL 8/7/10.
 INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-1 AT THIS LOCATION 72" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/7/10.
 INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-2 AT THIS LOCATION 66" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/7/10.
 INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-1 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/7/10.
 INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-2 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/7/10.
 INSTALL REMOTE TEMPERATURE SENSOR FOR HOOD HD-1 AT THIS LOCATION 72" AFF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE (2) #18 G. THERMISTOR CABLE FROM TEMPERATURE SENSOR TO HOOD CONTROL PANEL.
 INSTALL KITCHEN HOOD, HD-1. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL HOOD ACCORDING TO THE REQUIREMENTS OF ITS LISTING, IN COMPLIANCE WITH NFPA 96, THE BUILDING CODE, AND AUTHORITIES HAVING JURISDICTION. HOOD SHALL HAVE AN INTEGRAL DUCT COLLAR TEMPERATURE SENSOR TO AUTOMATICALLY ENERGIZE THE EXHAUST AND MAKEUP AIR FANS IF COOKING TEMPERATURES ARE DETECTED. EXHAUST DUCT SYSTEM TO BE WELDED OR FACTORY-MANUFACTURED WATER AND A TIGHT. INSTALL CLEANOUTS PER CODE AND AS SHOWN. INSTALL HOOD PER DETAILS 2, 4, AND 9/M700. CHIPPOTLE WILL PROVIDE AN INDEPENDENT TESTING AGENCY FOR TESTING THE INTEGRITY OF THE GREASE DUCT SYSTEM.
 INSTALL REMOTE CONDENSING UNIT FOR WALK-IN COOLER ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS.
 INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE CONDENSING UNIT. CUT 2-1/2" HCHL IN WALK-IN COOLER ROOF FOR REFRIGERANT LINE SET AND SEAL PER THE COOLER MANUFACTURER'S INSTALLATION INSTRUCTIONS AFTER LINE SET IS INSTALLED.
 INSTALL REMOTE CONDENSER FOR ICE MACHINE ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. SEAL PIPING PENETRATIONS THROUGH ROOF. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE REMOTE CONDENSER. IF REFRIGERANT PIPING TO ICE MAKER IS EXPOSED TO PUBLIC VIEW CONCEAL WITHIN A STAINLESS STEEL SHROUD AS SHOWN IN THE ARCHITECTURAL DRAWINGS.
 INSTALL ROOFTOP EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 INSTALL EXHAUST FAN EF-1 PER DETAIL 5/M700 AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL GREASE VIROGUARD SYSTEM FURNISHED BY CHIPPOTLE ON EXHAUST FAN, EF-1.
 PROVIDE SUPPLY DIFFUSER CONNECTION TO SUPPLY SYSTEM PER DETAIL 1/M700. TYPICAL.
 PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR MOUNT UNIT 60" AFF. TYPICAL.
 INSTALL REME HALO AIR PURIFIER FURNISHED BY TUV IN RTU PER DETAIL 6/M700. SEE ELECTRICAL DRAWINGS FOR POWER CONNECTION INFORMATION. INSTALL IF WARNING STICKERS ON FACE OF ENCLOSURE PER DETAIL AND ON ANY RTU ACCESS DOOR(S) THROUGH WHICH THE REME HALO WOULD BE VISIBLE UP OPENED.
 MAINTAIN 10' CLEARANCE BETWEEN WATER HEATER FLUE TERMINATION AND OUTSIDE AIR INTAKES. MAINTAIN 10' CLEARANCE BETWEEN WATER HEATER COMBUSTION AIR INTAKE AND EXHAUST FAN EF-1 DISCHARGE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION ON WATER HEATER FLUE AND COMBUSTION AIR TERMINATIONS.
 REFER TO ARCHITECTURAL SHEETS FOR SUPPLY REGISTER ELEVATIONS AND LOCATIONS.



M100

GRILLS, REGISTERS, AND DIFFUSERS SCHEDULE

TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		NOTES
								MANUFACTURER	MODEL	
CD1	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE INTEGRAL OBD
CD3	PERFORATED CEILING DIFFUSER	24" X 12"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE INTEGRAL OBD, REMOVE 4-WAY DEFLECTOR
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	GYP CEILING	GC	GC	NAILOR	4330R TYPE S	PROVIDE INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L	
RG2	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	GYP CEILING	GC	GC	NAILOR	4330R TYPE S	
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	AIR CONCEPTS	ANR-14	PROVIDE FACE-ACCESSIBLE OBD
SR2	SINGLE DEFLECTION SUPPLY REGISTER	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	NAILOR	51SH	PROVIDE INTEGRAL OBD

SANITIZING EQUIPMENT SCHEDULE

TAG	COUNT	DESCRIPTION	FURNISH ED BY	INSTALLE D BY	BASIS FOR DESIGN		REMARKS
					MANUFACTURER	MODEL	
SB-1	2	BATHROOM AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTING INFORMATION.
SH-1	2	HVAC AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	REME-HALO	SEE DETAIL 6/7/700 FOR INSTALLATION INFORMATION.
SI-1	3	ICE MACHINE TREATMENT SYSTEM	TUV	GC	RGF ENVIRONMENTAL GROUP	IMS-8-GA	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

VIROGUARD SCHEDULE

TAG	QUANTITY	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN MANUFACTURER
VG-1	1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16" X 16"	CAPTIVE-AIRE DU180HFA	TDC	GC	ENVIROMATIC

FAN SCHEDULE

TAG	DRIVE TYPE	EXHAUST FLOW [CFM]	E.S.P. [in W.C.]	WEIGHT [lbs]	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
					MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
EF-1	DIRECT	2550 CFM	1.20 in-wg	400	2	208/3/60	HS	GC	CAPTIVE-AIRE	DUI80HFA	FURNISHED WITH DISCONNECT AND VENTED ROOF CURB
EF-2	DIRECT	150 CFM	0.60 in-wg	100	0.18 HP	120/1/60	HS	GC	CAPTIVE-AIRE	DR12HFA	FURNISHED WITH DISCONNECT, VARIABLE SPEED CONTROLLER, BACKDRAFT DAMPER AND ROOF CURB

MAKEUP AIR UNIT SCHEDULE

TAG	DESCRIPTION	AIRFLOW		HEATING CAPACITY				APPROXIMATE WEIGHT [lbs]	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
		SUPPLY FLOW [CFM]	E.S.P. [in. W.C.]	INPUT [MBH]	OUTPUT [MBH]	MAXIMUM TURNDOWN	EAT		MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
MAU-1	MAKEUP AIR UNIT	1300	0.80	225	220	12.5:1	37 °F	650	1 HP	208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-15D	FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS

CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY [TONS]	NUMBER OF COMPRESSORS	NUMBER OF CIRCUITS	REFRIGERANT TYPE	REFRIGERANT CHARGE	WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
								MOCP	FLA	V/P/H			MANUFACTURER	MODEL	
CU-1	WALK-IN COOLER REMOTE CONDENSING UNIT	--	1	1	R-404A		200	15 A	6.5 A	208/3/60	WCS	GC	HARFORD	PCL99MOP-3	FURNISHED WITH WALK-IN COOLER
CU-2	ICE MAKER - REMOTE CONDENSER	--	0	1	R-404A	11 lbs 7.4 oz	100			120/1/60	KES	GC	-	-	FURNISHED WITH ICE MAKER
CU-3	ICE MAKER - REMOTE CONDENSER	--	0	1	R-404A	11 lbs 7.4 oz	100			120/1/60	KES	GC	-	-	FURNISHED WITH ICE MAKER

KITCHEN HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP.	EXHAUST PLENUM							PERFORATED SUPPLY PLENUMS									NUMBER OF LIGHT FIXTURES	APPROXIMATE WEIGHT [lbs]	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS	
			AIRFLOW [CFM]	SP [in. W.C.]	DUCT COLLARS		LENGTH	WIDTH	SP [in. W.C.]	SUPPLY PLENUM LENGTH	SUPPLY PLENUM WIDTH	MAU PLENUM			AC PLENUM											
					NO.	WIDTH						LENGTH	AIRFLOW [CFM]	DUCT COLLARS												
														NO.	DIA METER											
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600°F	2550	0.97	1	10"	24"	12' - 9"	4' - 3"	0.1	13' - 9"	19"	1300	3	6"	28"	700	6	8"	8	1100	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPSP-F	MAT'L: 18 GA. TYPE 430 SS. PROVIDE WITH VERTICAL END PANELS, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, KITCHEN EXHAUST SUPPRESSION SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

ROOFTOP UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY [TONS]	EER	AIRFLOW			NET COOLING CAPACITY						HEATING CAPACITY			# OF COMPRESSORS	# OF CIRCUITS	REFRIG. TYPE	REFRIG. CHARGE	APPROX. WEIGHT [lbs]	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
				TOTAL [CFM]	OA [CFM]	ESP [IN. W.C.]	TOTAL [MBH]	SENSIBLE [MBH]	EAT [DEG. F]		COND. EAT [DEG. F]	INPUT [MBH]	OUTPUT [MBH]	EAT [DEG. F]	MOCP						FLA	V/P/H	MANUFACTURER			MODEL		
									DB	WB																		
RTU-1	KITCHEN ROOFTOP UNIT	10	12	3500	500	0.8	115	70	77	67	98	180	148	64	2	2	R-410A	25.6	1500	60 A	49.0 A	208/3/60	HES	GC	CARRIER	48FC_M12	FURNISHED WITH HINGED ACCESS PANELS, STANDARD ECONOMIZER W/ DUAL ENTHALPY CONTROLS, BAROMETRIC RELIEF, SUP. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, MERV-8 FILTERS, CURB, HAIL GUARD, DISCONNECT, & UNIT-MOUNTED NON-POWERED CONVENIENCE RECEPTACLE	
RTU-2	DINING ROOM ROOFTOP UNIT	10	12	3750	1000	0.8	121	69	79	69	98	180	146	59	2	2	R-410A	25.6	1500	60 A	49.0 A	208/3/60	HES	GC	CARRIER	48FC_M12	FURNISHED WITH HINGED ACCESS PANELS, STANDARD ECONOMIZER W/ DUAL ENTHALPY CONTROLS, BAROMETRIC RELIEF, SUP. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, MERV-8 FILTERS, CURB, HAIL GUARD, DISCONNECT, & UNIT-MOUNTED NON-POWERED CONVENIENCE RECEPTACLE	

AIR BALANCE SCHEDULE

Tag	Supply Flow [CFM]	Return Flow [CFM]	Exhaust Flow [CFM]	Subtotal [CFM]
EF-1	0	0	2550	-2550
EF-2	0	0	150	-150
MAU-1	1300	0	0	1300
RTU-1	3500	3000	0	500
RTU-2	3750	2750	0	1000
Net Pressurization [CFM]				100

CONTROL FUNCTIONS

- A. THE MAIN COOKING EXHAUST FAN AND MAKE-UP AIR UNIT SHALL BE INTERLOCKED TO OPERATE TOGETHER. THIS CONTROL CIRCUIT IS ACTIVATED BY A SWITCH AND INCLUDES A FIRE PROTECTION OVERRIDE.
- B. THE TEMPERATURE IN EACH ZONE IS CONTROLLED BY SPACE TEMPERATURE SENSORS CONNECTED TO THE THERMOSTATS LOCATED IN THE OFFICE. ALL ZONES SHALL OPERATE WITH CONTINUOUS FAN OPERATION DURING OCCUPIED TIMES AND INTERMITTENTLY AS NEEDED TO MAINTAIN SET POINTS DURING UNOCCUPIED TIMES. OUTSIDE AIR DAMPERS SHALL BE OPEN CONTINUOUSLY WHEN EITHER IN OCCUPIED MODE OR WHEN THE HOOD SYSTEM IS ON AND SHALL BE CLOSED DURING UNOCCUPIED PERIODS.
- C. THE THERMOSTATS SHALL DETERMINE OCCUPYED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.

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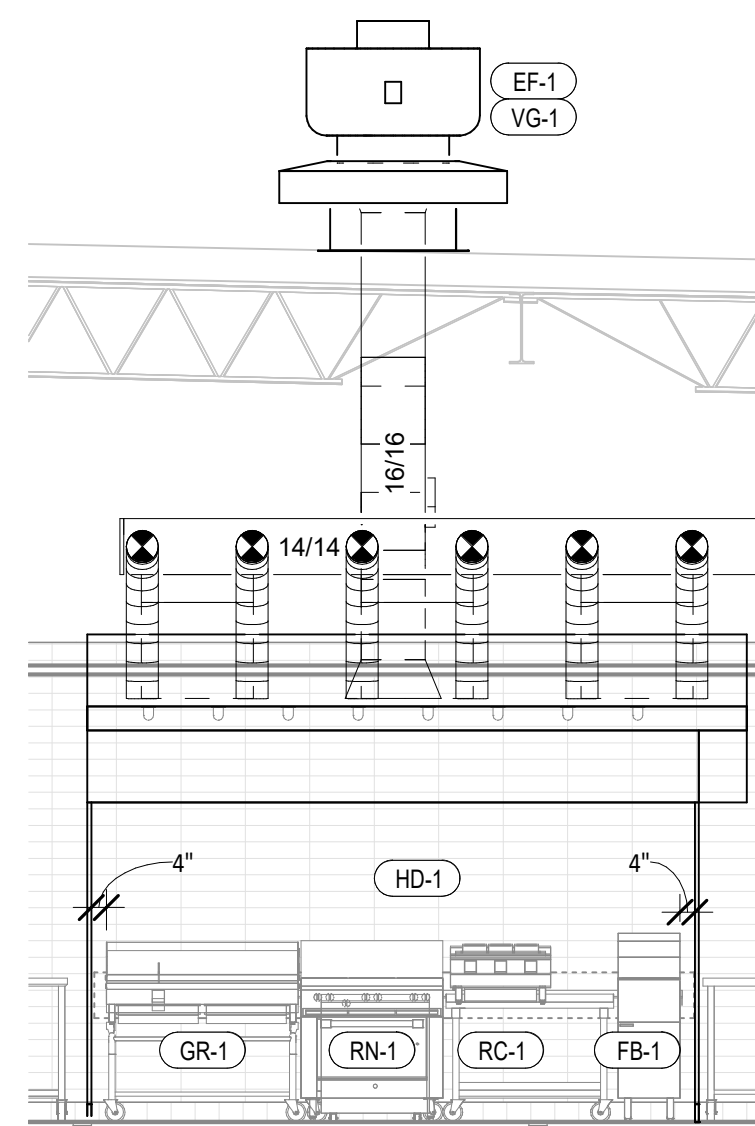
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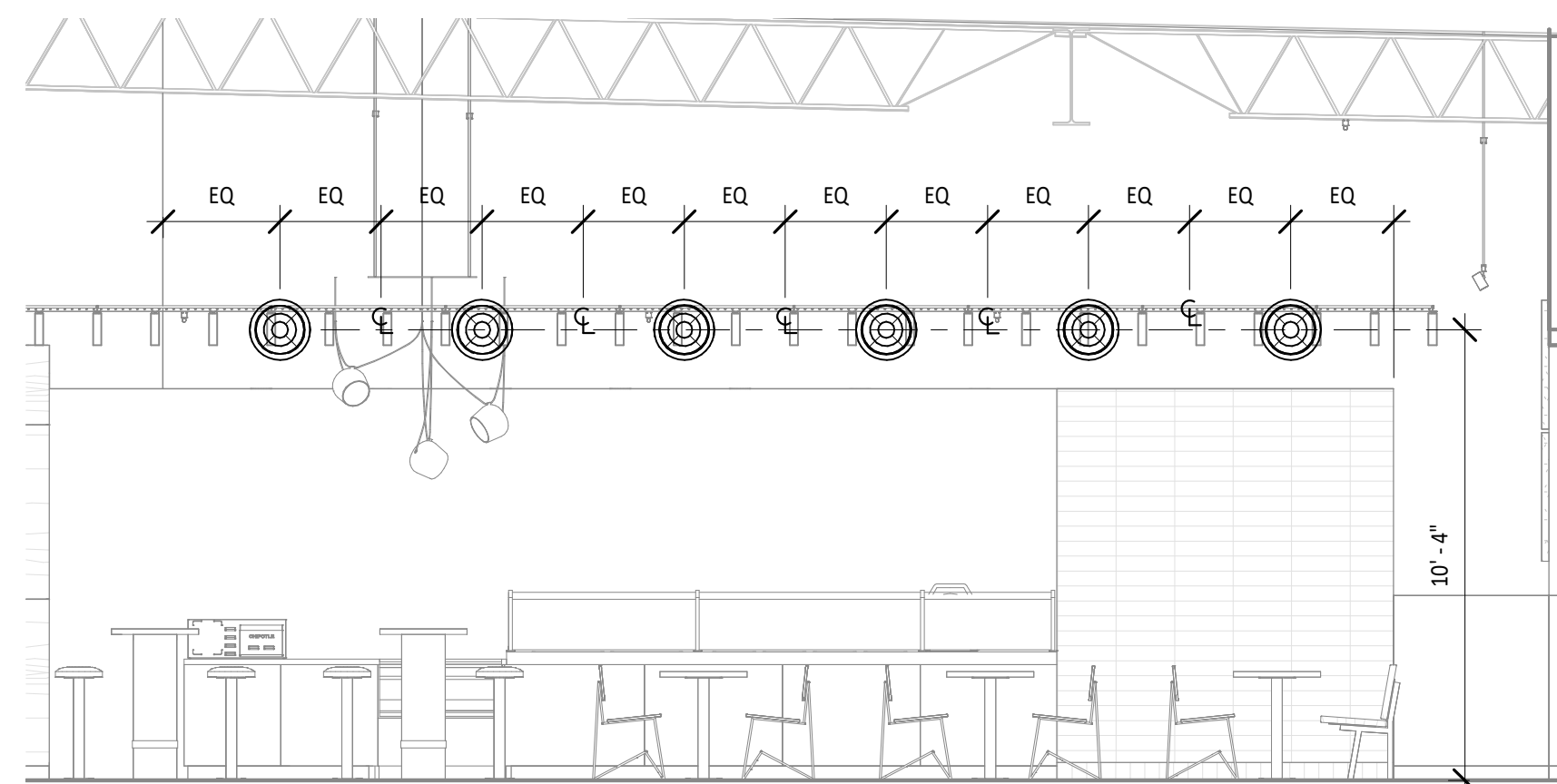
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HVAC SCHEDULES

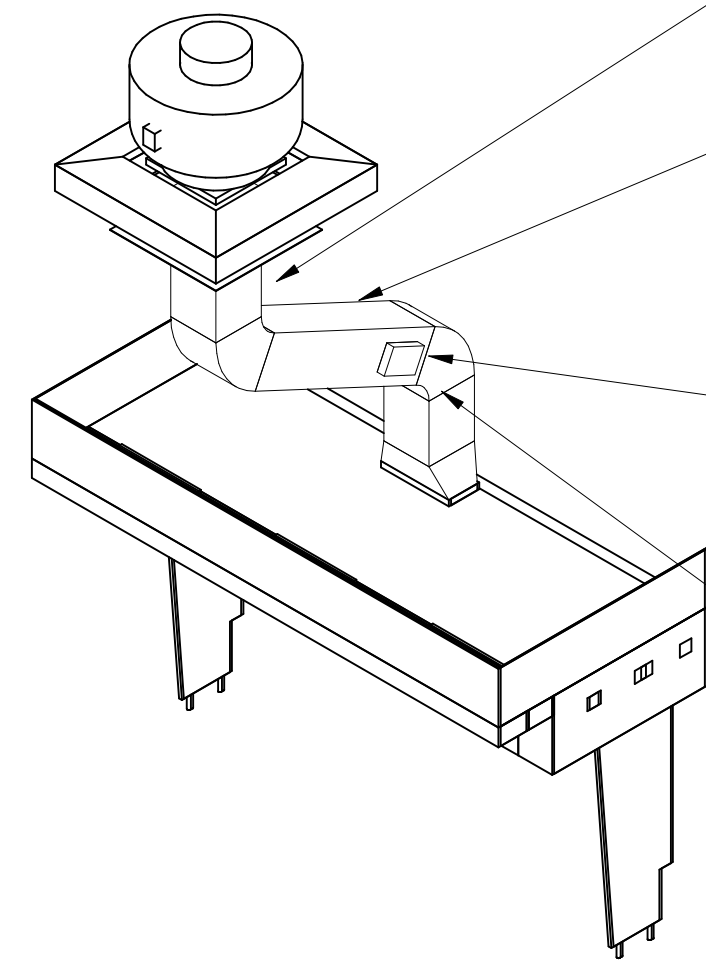
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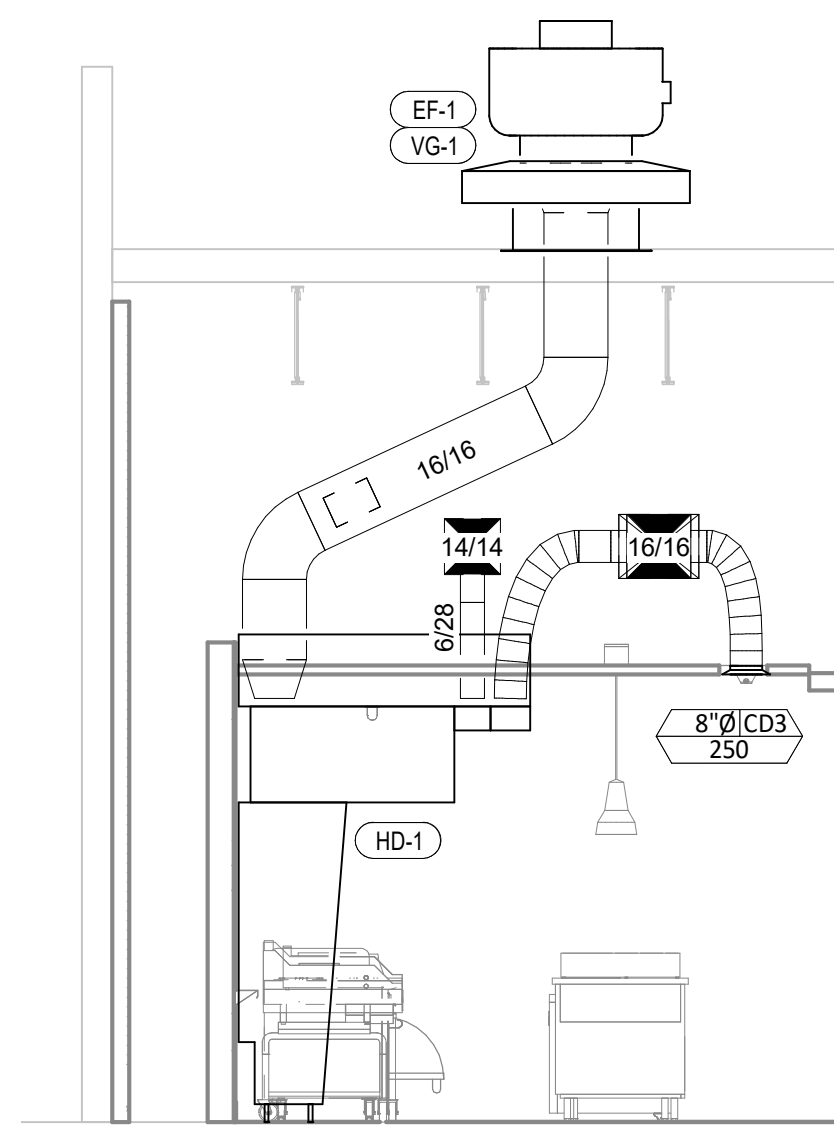
10
M700
HOOD ELEVATION
1/4" = 1'-0"



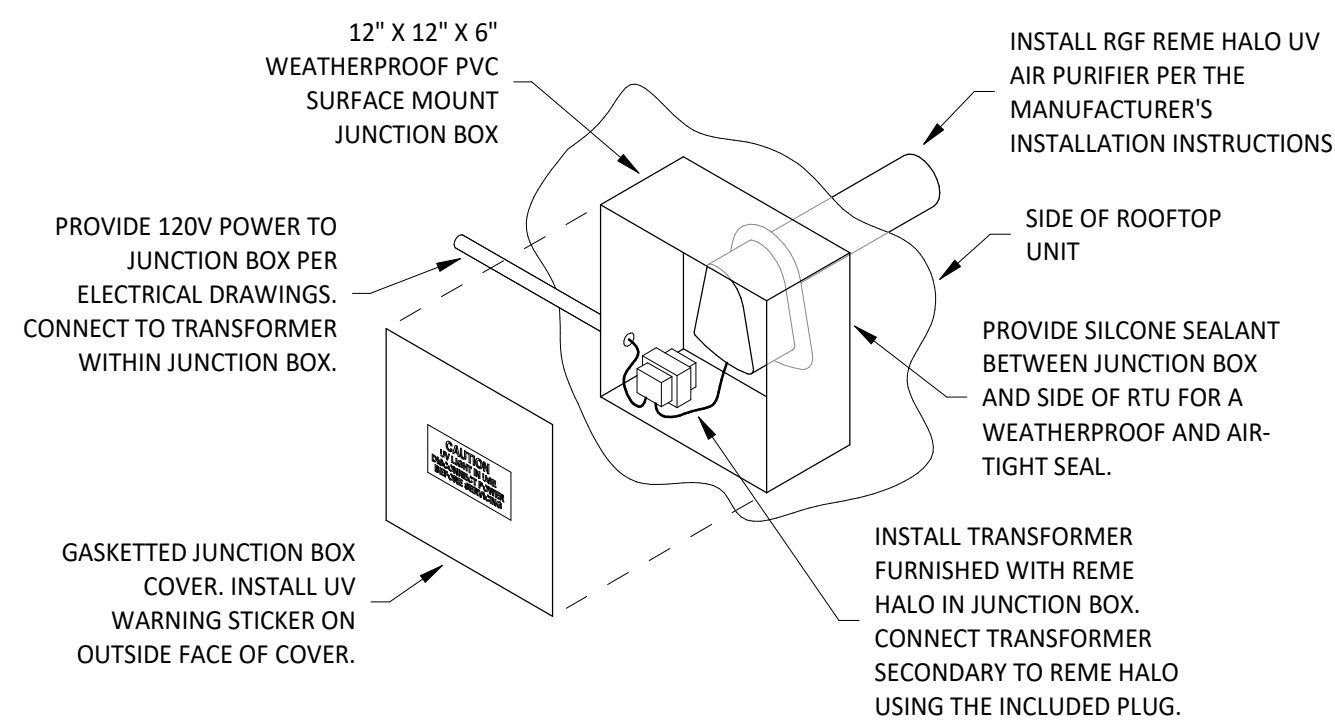
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M700
HVAC DINING ROOM SECTION
1/4" = 1'-0"



8
M700
HOOD EXHAUST ISOMETRIC
N.T.S.

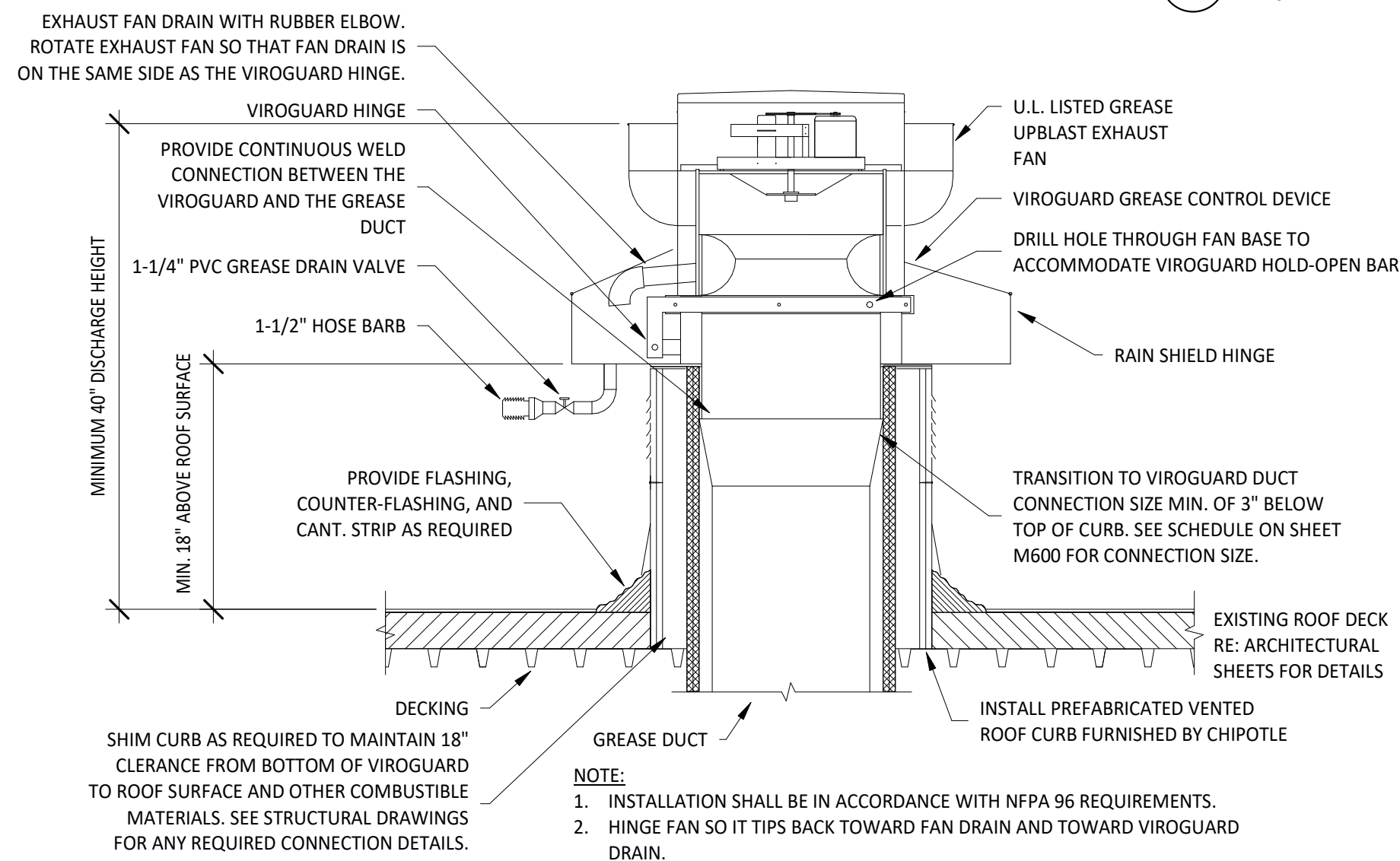


7
M700
DUCT SECTION AT HOOD
1/4" = 1'-0"

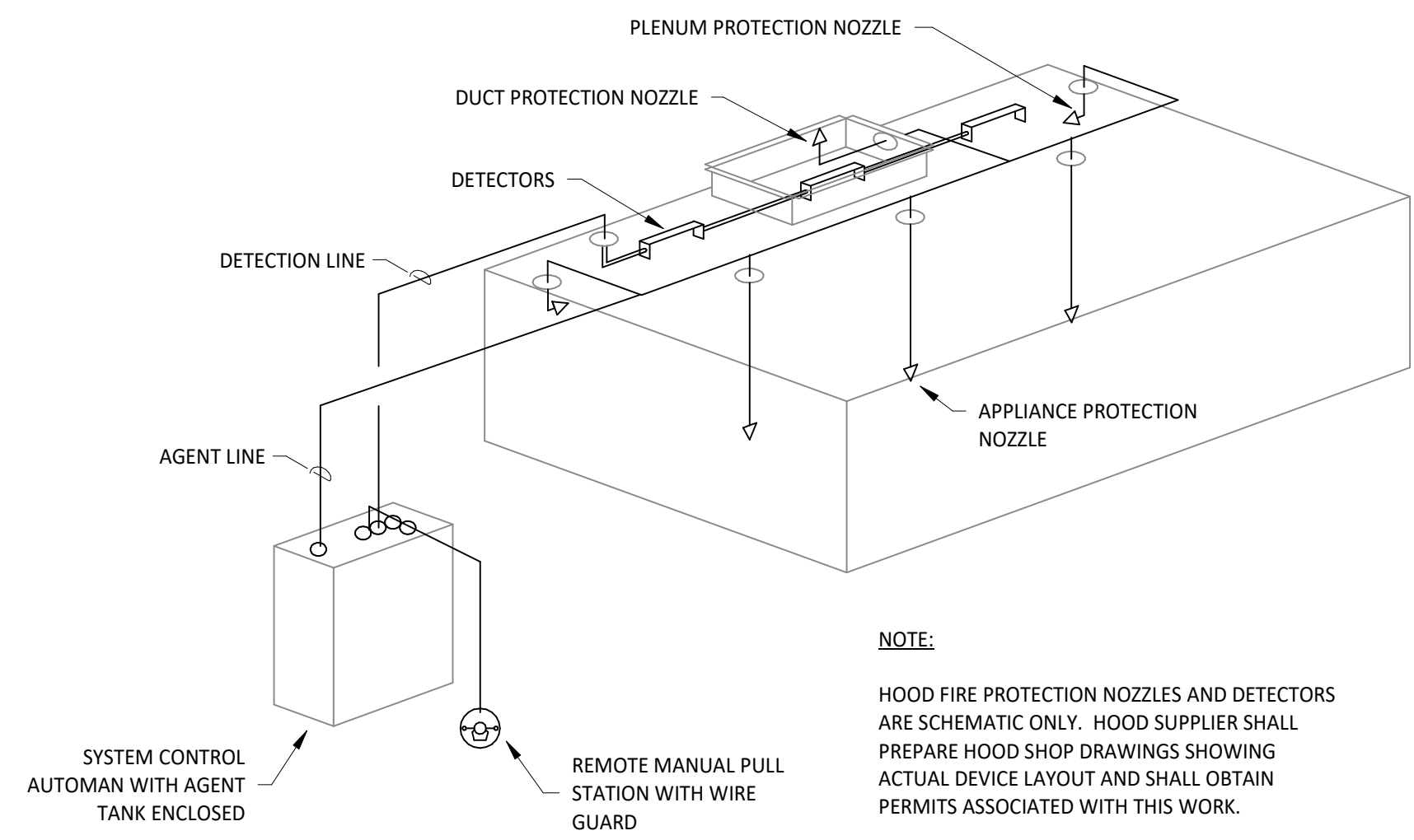


INSTALLATION LOCATION
INSTALL AIR PURIFIER WITH JUNCTION BOX ON OUTSIDE FACE OF ROOFTOP UNIT AND WITH UV LAMP TUBE EXTENDING INTO THE INTERIOR OF THE ROOFTOP UNIT. FIELD VERIFY EXACT LOCATION TO AVOID DAMAGING, TOUCHING, OR INTERFERING WITH ANY RTU INTERIOR COMPONENTS. INSTALLATION LOCATION SHALL BE AS FOLLOWS:
TRAME: INSTALL INTO THE SUPPLY AIR STREAM THROUGH THE REMOVABLE PANEL COVERING THE HORIZONTAL DISCHARGE SUPPLY AIR OPENING.
YORK: INSTALL INTO THE SUPPLY AIR PLENUM FROM THE BACK SIDE OF THE UNIT JUST ABOVE THE HEAT EXCHANGER.

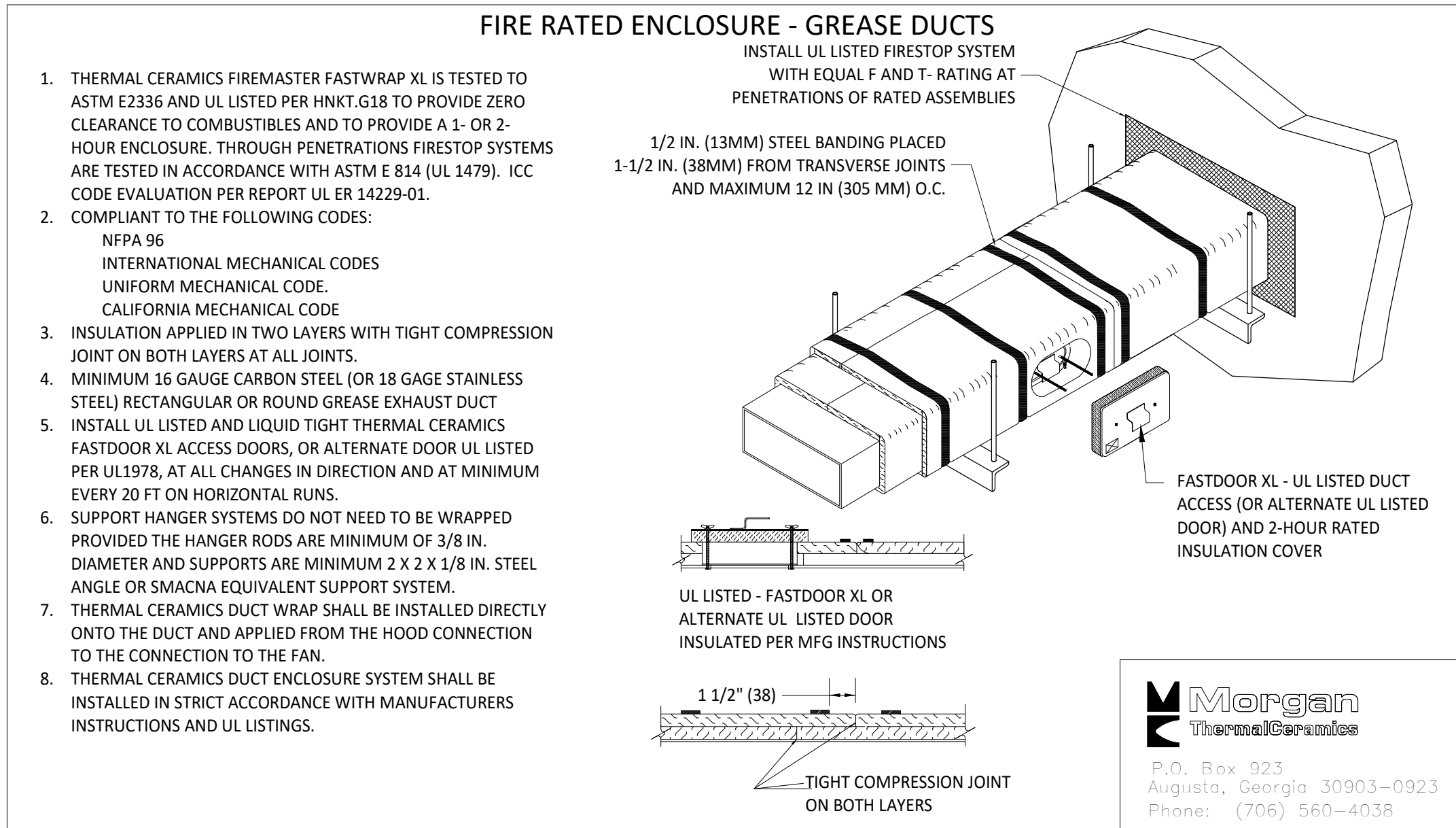
6
M700
UV AIR PURIFIER INSTALLATION
N.T.S.



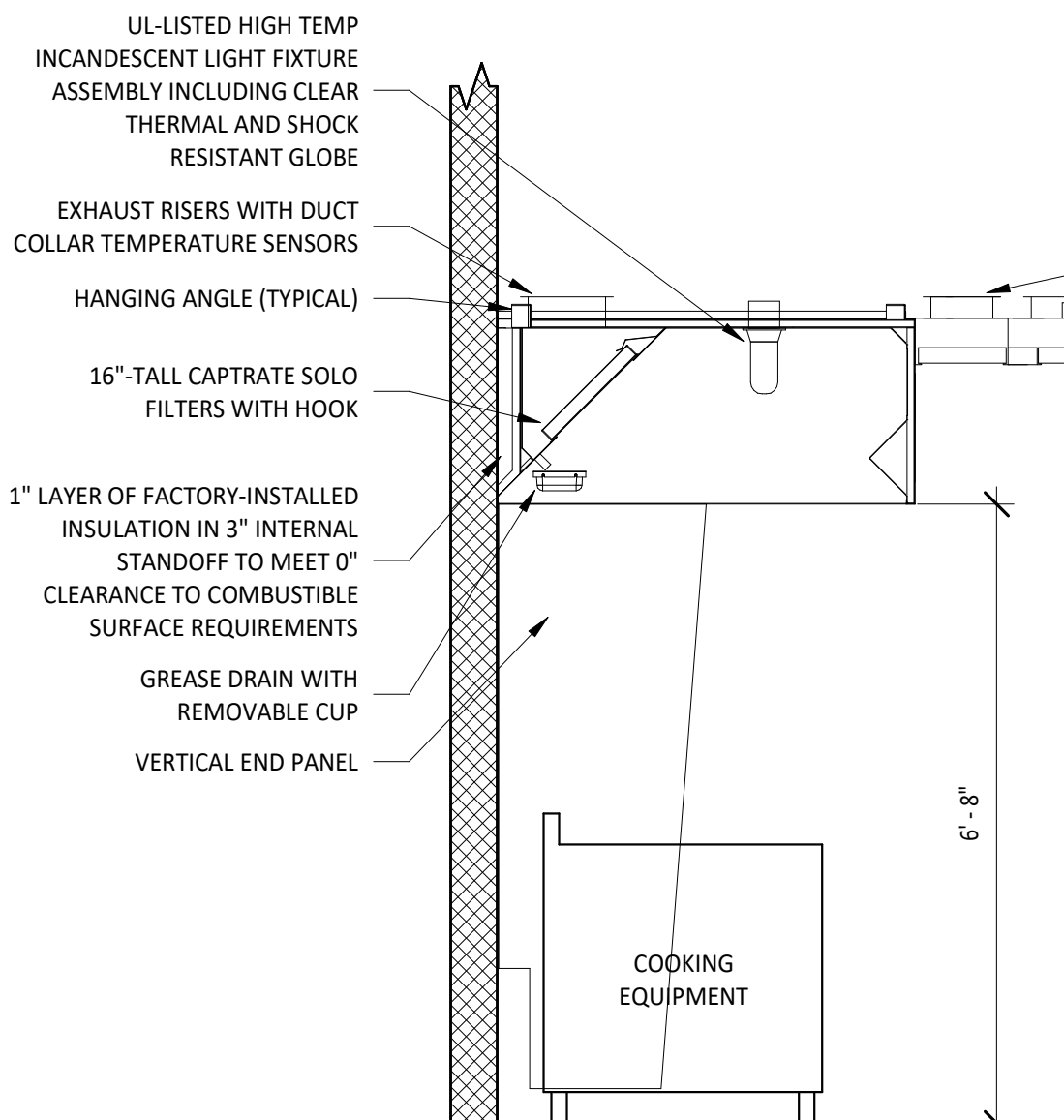
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M700
GREASE EXHAUST FAN
N.T.S.



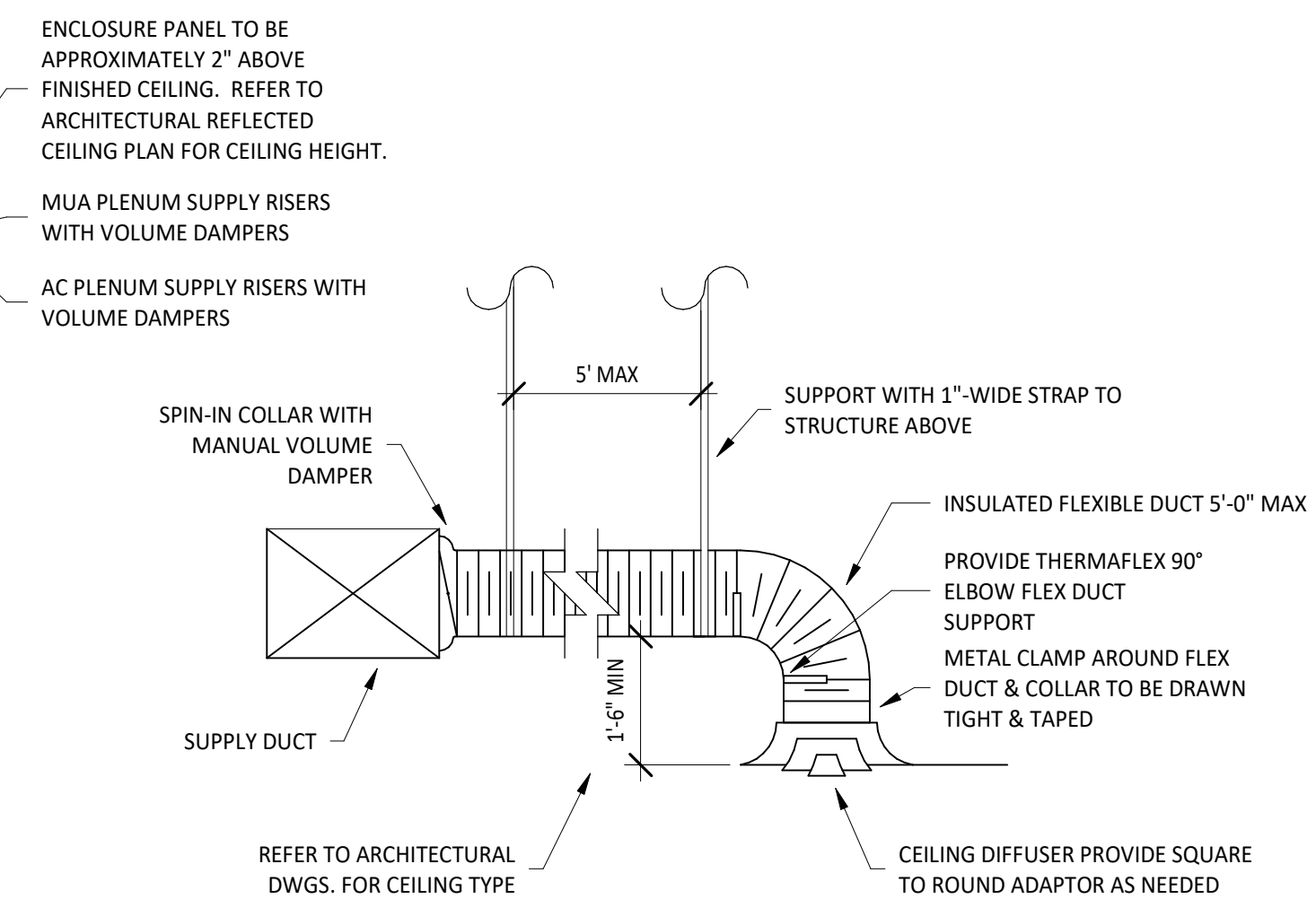
4
M700
FIRE SUPPRESSION SYSTEM SCHEMATIC
N.T.S.



3
M700
FIREMASTER DUCT WRAP - UL HNKT-G18
N.T.S.



2
M700
HOOD SECTION VIEW
N.T.S.



1
M700
DIFFUSER CONNECTION
N.T.S.

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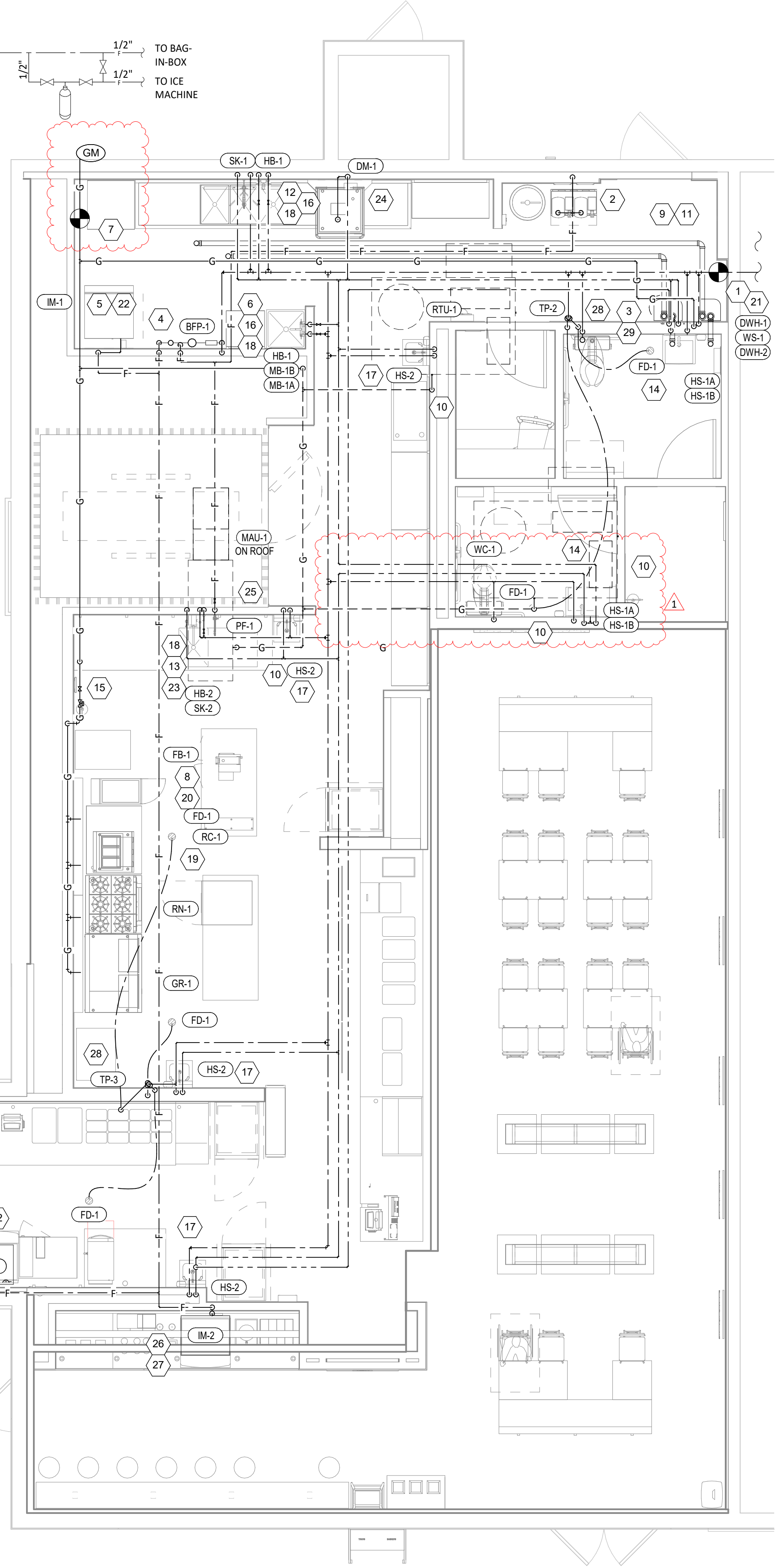
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Checked: AJJ

Project No:
2301190

Contents:

HVAC DETAILS

M700



PLUMBING SUPPLY DIAGRAM

PLUMBING SUPPLY PLAN NOTES

1. CONNECT TO THE EXISTING 2" DOMESTIC WATER SERVICE.
2. PROVIDE 1/2" FILTERED WATER TO THE BAG-IN-BOX SODA CARBONATOR AT 102" AFF. SODA CARBONATOR SHALL HAVE AN INTEGRAL ASSE 1022-RATED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE.
3. PROVIDE WATER HEATERS DWH-1 AND DWH-2 PER DETAIL 1/P700.
4. PROVIDE WATER FILTERS MOUNTED TO WALL PER DETAIL 11/P700. PROVIDE 1/2" SUPPLY PIPES FROM FILTERS TO ICE MAKER AND SODA CARBONATOR AS SHOWN.
5. PROVIDE 1/2" FILTERED WATER ROUGH-INS TO THE ICE MAKER AT 56" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCAFT S112-72WA/F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
6. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE MOP BASIN FAUCET AT 36" AFF. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 46" AFF DIRECTLY ABOVE THE MOP BASIN FAUCET. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
7. CONNECT TO THE EXISTING GAS LINE WITH UPSTREAM PRESSURE REGULATOR AND GAS METER.
8. PROVIDE GAS CONNECTIONS TO THE COOKING EQUIPMENT PER DETAIL 7/P700.
9. SUPPORT THE GAS PIPE ON THE ROOF PER DETAIL 5/P700. WOOD BLOCKING IS NOT AN ACCEPTABLE METHOD OF SUPPORTING THE GAS PIPE.
10. PROVIDE ACCESSIBLE LINE-SIZED GAS VALVE, DIRT LEG, AND UNION AT GAS CONNECTION TO THE EQUIPMENT.
11. REFER TO ARCHITECTURAL DRAWINGS FOR PAINTING OF INTERIOR AND EXTERIOR EXPOSED GAS PIPE.
12. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
13. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE VICTORY WASH DISPENSER FAUCET (HB-2) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
14. PROVIDE ROUGH-INS TO RESTROOM HAND SINKS AS SHOWN IN DETAIL 14/P700. HOT WATER STOP VALVE TO BE NO MORE THAN 6 INCHES FROM HOT WATER MAIN PER ENERGY CONSERVATION CODE.
15. PROVIDE KITCHEN EQUIPMENT GAS SHUTOFF 6" BELOW THE CEILING PER DETAIL 4/P700.
16. CONNECT CHEMICAL DISPENSER TO HB-1. CHEMICAL DISPENSER HAS AN INTEGRAL AIR GAP AS IS SHOWN IN DETAIL 10/P700.
17. PROVIDE ASSE 1016/1070 POINT-OF-USE THERMOSTATIC MIXING VALVE, WATTS LUSG-8, ON WATER SUPPLY TO KITCHEN HAND SINKS. PROVIDE ANGLE STOP BELOW SINK, FASTEN MIXING VALVE TO WALL, AND MAKE FINAL CONNECTION FROM ANGLE STOPS TO MIXING VALVE AND FROM MIXING VALVE TO FAUCET USING BRAIDED STAINLESS STEEL HOSE. ADJUST MIXING VALVE FOR A DISCHARGE TEMPERATURE OF APPROXIMATELY 110° F.
18. PROVIDE ACCESSIBLE VALVE IN WATER SUPPLY TO FIXTURE AS SHOWN.
19. PROVIDE GAS CONNECTION TO THE RICE COOKER PER DETAIL 6/P700.
20. PROVIDE GAS ROUGH-IN TO FRYER BEHIND RICE COOKER TABLE SO THAT VALVES AND DIRT LEG ARE ACCESSIBLE ONCE FRYER IS SECURED INTO PLACE.
21. PROVIDE AN ACCESSIBLE MAIN DOMESTIC WATER SHUTOFF VALVE ABOVE LAY-IN CEILING AS SHOWN. VALVE SHALL BE 12" ABOVE THE TOP OF THE LAY-IN CEILING. PERMANENTLY INSTALL THE "WATER SHUTOFF" SIGN TO THE CEILING GRID BELOW THE VALVE.
22. INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CIPITOLE'S INSTALLATION INSTRUCTIONS.
23. PROVIDE 3/4" DOMESTIC HOT AND COLD WATER ROUGH-INS FOR THE PREP SINK (SK-2) FAUCET AT 24" AFF TO ALLOW FOR THE VICTORY WASH CHEMICAL DOCK TO BE INSTALLED DIRECTLY BELOW THE PREP SINK BASIN. MAKE FINAL CONNECTION TO PREP SINK FAUCET USING 3/4" BRAIDED STAINLESS STEEL WATER HEATER CONNECTOR HOSE.
24. PROVIDE 3/4" HOT WATER TO THE DISH MACHINE, MAKING FINAL CONNECTION USING CONNECTION HOSE FURNISHED WITH DISH MACHINE. PROVIDE WATER HAMMER ARRESTOR ON HOT WATER LINE. PROVIDE AN ACCESSIBLE SHUTOFF VALVE BELOW THE DISH MACHINE AND INSTALL THE STRAINER FURNISHED WITH THE DISH MACHINE IN AN ACCESSIBLE LOCATION AT THE CONNECTION TO THE UNIT.
25. PROVIDE FILTERED DOMESTIC WATER ROUGH-INS FOR THE SPEED FIL POT FILLER FAUCET (PF-J1) AT 40" AFF. SEE ARCHITECTURAL ELEVATION FOR DETAIL.
26. PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 24" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCAFT S112-72WA/F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
27. INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CIPITOLE'S INSTALLATION INSTRUCTIONS. LOCATE IMSB BELOW UTENSIL COUNTER IN A LOCATION THAT DOES NOT INTERFERE WITH THE ROLLING RACK BELOW THE UTENSIL COUNTER.
28. PROVIDE ACCESSIBLE TRAP PRIMER ABOVE LAY-IN CEILING AS SHOWN. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH A SERVICE VALVE AT THE TRAP PRIMER INLET. PROVIDE 1/2" DISTRIBUTION PIPE(S) TO FLOOR DRAIN TRAP PRIMER CONNECTION(S) AS SHOWN. HORIZONTAL DISTRIBUTION PIPING SHALL HAVE CONTINUOUS SLOPE TO THE FLOOR DRAIN(S).
29. PROVIDE WATER SOFTENER AS SHOWN IN DETAIL 16/P700.

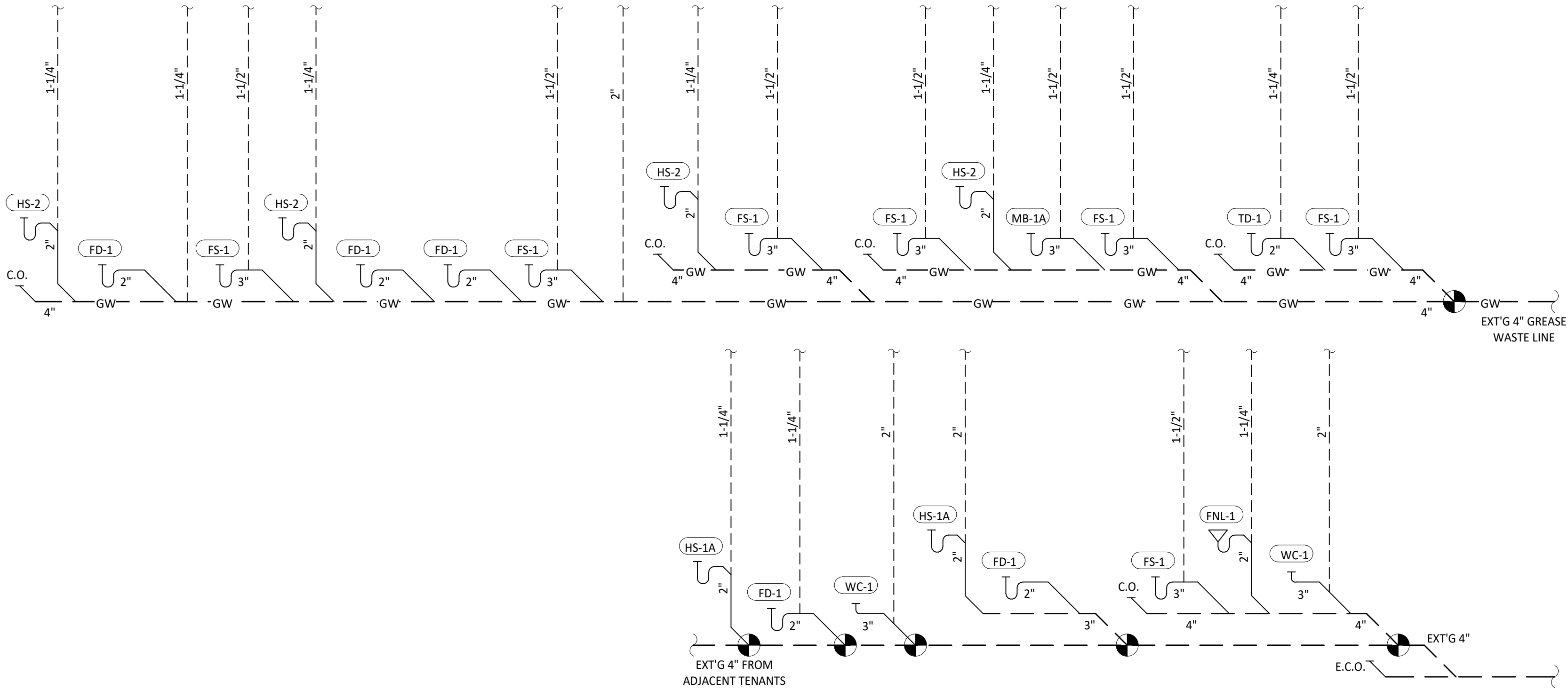
GAS DISTRIBUTION DIAGRAM

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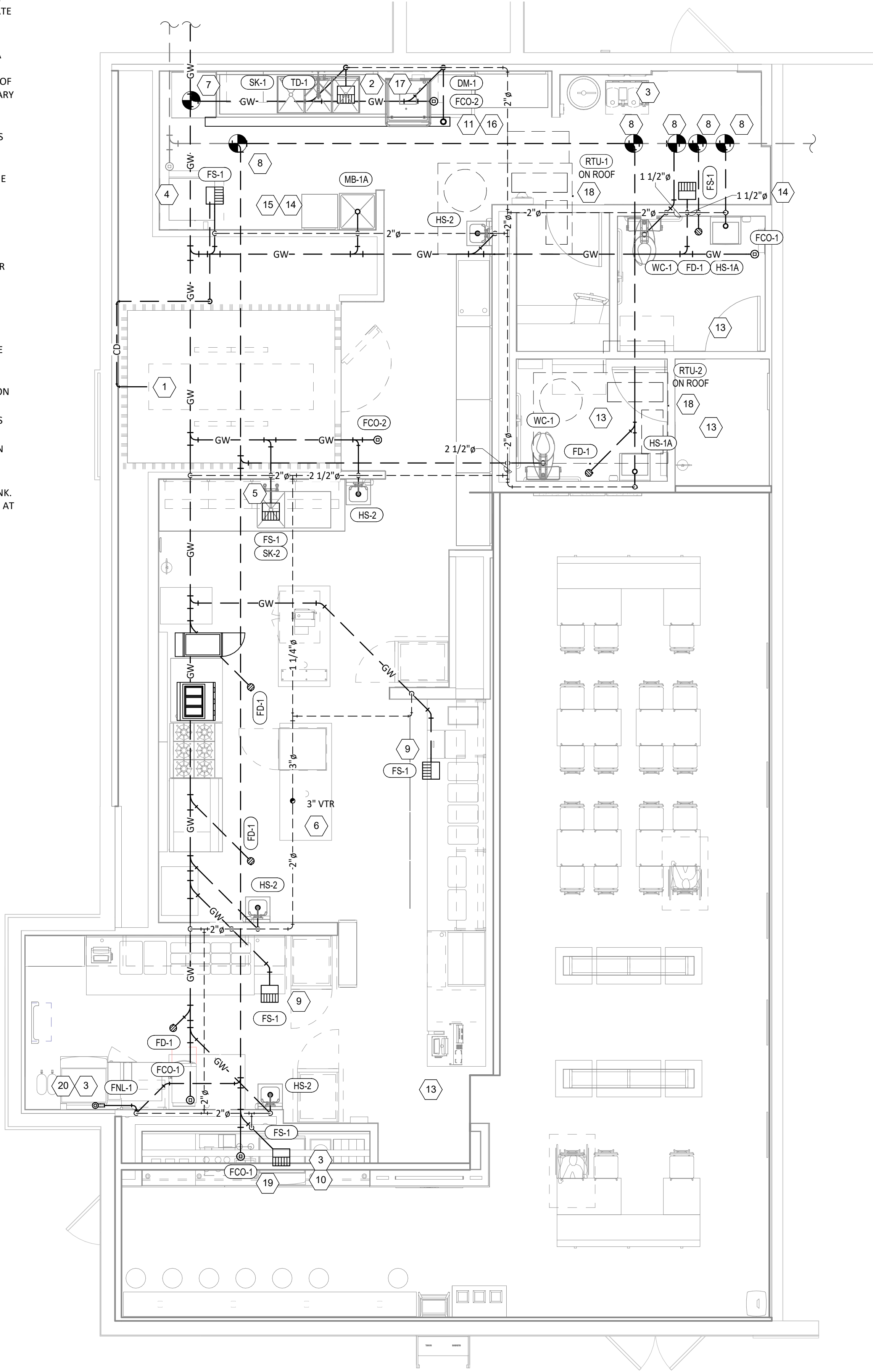
 PLUMBING SUPPLY PLAN
1/4" = 1'-0"

PLUMBING WASTE AND VENT PLAN NOTES

- 1 PROVIDE 3/4" CONDENSATE DRAIN FROM THE WALK-IN COOLER EVAPORATOR TO THE FLOOR SINK BELOW THE ICE MAKER AS SHOWN. SLOPE CONDENSATE DRAIN A MINIMUM OF 1" PER FOOT. HOLD EXPOSED CONDENSATE DRAIN IN WALK-IN COOLER AS HIGH AS POSSIBLE. CONCEAL DRAIN PIPING WITHIN FRAMED WALLS AS SHOWN. DISCHARGE THROUGH AN AIR GAP. MAKE FINAL CONNECTION TO EVAPORATOR INSIDE WALK-IN COOLER USING A UNION. CONDENSATE DRAIN SHOULD PENETRATE WALL BEHIND ICE MAKER AT 8" AFF AND BE SECURED TO FLOOR UNDER ICE MAKER.
- 2 PROVIDE DRAIN CONNECTIONS TO THE THREE COMPARTMENT SINK PER DETAIL 2/P700.
- 3 COORDINATE ROUTING OF SODA BUNDLES WITH COCA-COLA TECHNICIAN FROM BAG-IN-BOX AREA TO EACH SODA FOUNTAIN. OTHER THAN WITHIN THE WALLS DOWN TO THE DRYER BOX THE SODA BUNDLE SHALL BE ROUTED OVERHEAD WITHOUT CONDUIT. COORDINATE SUPPORT AND ROUTING OF THE SODA LINE BUNDLES WITH COCA-COLA TECHNICIAN DURING ROUGH IN AND PROVIDE NECESSARY SUPPORTS. SEE ARCHITECTURAL DRAWINGS FOR SODA BUNDLE TERMINATION LOCATION AND PROVIDE TERMINATION PER DETAIL 12/P700.
- 4 PROVIDE PVC DRAIN PIPES FROM THE ICE MACHINE TO THE FLOOR SINK PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE A CODE-APPROVED AIR GAP AT THE DISCHARGE TO THE FLOOR SINK. SECURE ICE MAKER DRAIN PIPES TO THE BOTTOM OF THE ICE MAKER.
- 5 PROVIDE DRAIN LINES FROM THE FOOD PREP SINK TO THE FLOOR SINK. PROVIDE AN AIR GAP AT THE DISCHARGE TO THE FLOOR SINK.
- 6 PROVIDE A 3" VENT THROUGH THE ROOF PER DETAIL 3/P700.
- 7 CONNECT TO EXISTING 4" GREASE WASTE LINE LEADING TO EXISTING SCHIER GB250 HYDROMECHANICAL GREASE INTERCEPTOR.
- 8 CONNECT TO EXISTING 4" SANITARY SEWER.
- 9 PROVIDE 3/4" VALVED DRAIN FROM HOT FOOD TABLE TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP.
- 10 PROVIDE INSULATED COPPER DRAIN LINES FROM THE TEA TRAY DRAIN AND THE SODA MACHINE DRAIN TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP. HOLD TEA TRAY DRAIN AS HIGH AS POSSIBLE AND SECURE TO STRUCTURE BELOW THE UTENSIL COUNTER.
- 11 TRIM TRENCH DRAIN ENDS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION SO THAT GRATE FITS WITHOUT GAPS. INSTALL TRENCH DRAIN WITH SLIGHT POSITIVE SLOPE TOWARD THE DRAIN CONNECTION TO AVOID STANDING WATER IN TRENCH DRAIN.
- 13 DO NOT PROVIDE WALL CLEANOUTS ON TILE OR PUBLICLY-VISIBLE WALLS. IF A WALL CLEANOUT IS REQUIRED ON THESE SURFACE COORDINATE THE EXACT LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
- 14 PROVIDE INDIRECT WASTE AND CONDENSATE DRAINS FROM FIXTURES OTHER THAN KITCHEN SINKS CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
- 15 PROVIDE DRAIN FROM WATER FILTER BFP TO FLOOR DRAIN CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
- 16 PROVIDE TRENCH DRAIN AS SHOWN IN DETAIL 15/P700.
- 17 INSTALL DRAIN HOSE FURNISHED WITH DISH MACHINE FROM DISH MACHINE OUTLET TO FLOOR SINK. HOLD DRAIN HOSE TIGHT TO WALL AND SECURE TO 3-COMP SINK DRAIN TO MAINTAIN AN AIR GAP AT THE FLOOR SINK.
- 18 PROVIDE CONDENSATE TRAP ON RTU PER DETAIL 13/P700.
- 19 PROVIDE 3/4" PVC DRAIN PIPE FROM THE ICE MACHINE TO THE FLOOR SINK PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE A CODE-APPROVED AIR GAP AT THE DISCHARGE TO THE FLOOR SINK.
- 20 SEE DETAIL 18/P700 FOR DRAINS FROM TEA TRAY, ICE MAKER, AND SODA MACHINE TO FUNNEL DRAIN.



2 P110 N.T.S. SANITARY WASTE & VENT DIAGRAM



1 P110 1/4" = 1'-0" SANITARY WASTE & VENT PLAN

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AJJ AJJ

Project No.

2301190

Contents:

PLUMBING PLAN
WASTE & VENT

P110

PLUMBING FIXTURE SCHEDULE																		
TAG	FIXTURE	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	DESCRIPTION	QUANTITY	CONNECTION SIZES			FIXTURE UNITS (EACH)				FIXTURE UNITS (TOTAL)			
								CW	HW	WASTE	CW	HW	TOTAL	SAN	CW	HW	TOTAL	SAN
BFP-1	RPZ BACKFLOW PREVENTER	GC	GC	CONBRACO	4ALF-203-T2F	LEAD FREE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AUTOMATIC DIFFERENTIAL RELIEF VALVE	1	1/2"			1		1		1	0	1	0
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	KES	GC	FURNISHED BY KES	--	CHEMICAL SANITIZING DISH MACHINE WITH INTEGRAL ELECTRIC BOOSTER HEATER AND PUMPED OUTLET	1		3/4"	3/4"	0	1	1	0	0	1	1	0
ET-1	EXPANSION TANK	GC	GC	AMTROL	ST-5	2 GALLON CAPACITY	1	3/4"			0	0	0	0	0	0	0	0
FCO-1	FLOOR CLEANOUT (4")	GC	GC	SIOUX CHIEF	852-4PNR	ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG)	4			4"				0	0	0	0	0
FCO-2	FLOOR CLEANOUT (3")	GC	GC	SIOUX CHIEF	852-3PNR	ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG)	2			3"				0	0	0	0	0
FD-1	FLOOR DRAIN	GC	GC	SIOUX CHIEF	842-2-PNR	ADJUSTABLE FLOOR DRAIN, ROUND POLISHED METAL RING AND STRAINER	5			2"			0	2	0	0	0	10
FNL-1	FUNNEL DRAIN	GC	GC	JAY R. SMITH	3832T	FUNNEL DRAIN WITH CAST BRONZE BODY AND THREADED OUTLET	1			2"	0	0		2	0	0	0	2
FS-1	FLOOR SINK	GC	GC	SIOUX CHIEF	861-3PU2	HEAVY DUTY PVC FLOOR SINK WITH ALUMINUM DOME BOTTOM STRAINER AND OPEN HALF PVC GRATE	7			3"			0	5	0	0	0	35
HB-1	HOSE BIBB	KES	GC	T&S	B-2345-01-XX	COMMERCIAL QUALITY HOT & COLD MIXING WALL HYDRANT. SUPPLY ARMS SHALL HAVE INTEGRAL SHUT-OFF STOP AND CHECK VALVE.	2	1/2"	1/2"		1.5	1.5	2	0	3	3	4	0
HB-2	HOSE BIBB	KES	GC	T&S	B-0730	SILL FAUCET WITH 1/2" NPT FEMALE INLET AND 3/4" GARDEN HOSE THREADED OUTLET.	1	1/2"			1.5	0	1.5	0	1.5	0	1.5	0
HS-1A	RESTROOM HAND SINK	GC	GC	AMERICAN STANDARD	9024.001EC	ADA-ACCESSIBLE, WALL-MOUNTED, PORCELAIN LAVATORY. PROVIDE ZURN Z1231 (Z1231-D FOR BACK-TO-BACK APPLICATIONS) CONCEALED ARM CARRIER IN WALL. APPROVED ALTERNATE: KOHLER K-2084	2	0"	0"	2"	0	0	0	1	0	0	0	2
HS-1B	RESTROOM HAND SINK FAUCET	KES	GC	FURNISHED BY KES	--	PLUG-IN AUTOMATIC FAUCET WITH 0.5 GPM AERATOR AND THERMOSTATIC MIXING VALVE. ADJUST FAUCET CONTROLS FOR 10 SECOND SHUTOFF DELAY AND 30 SECOND TIME-OUT DELAY.	2	1/2"	1/2"	0"	1.5	1.5	2	0	3	3	4	0
HS-2	KITCHEN HAND SINK	KES	GC	FURNISHED BY KES	--	STAINLESS STEEL SINK WITH WALL MOUNTING BRACKET AND BACKSPASH MOUNTED FAUCET WITH SWIVEL GOOSENECK	4	1/2"	1/2"	2"	1.5	1.5	2	1	6	6	8	4
IM-1	ICE MAKER - BOH	KES	GC	SEE ARCH	--	BACK OF HOUSE ICE MAKER WITH BIN (STANDARD CAPACITY REMOTE AIR COOLED)	1	1/2"			1	0	1	0	1	0	1	0
IM-2	ICE MAKER - SODA	KES	KES	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MAKER (INTEGRAL AIR COOLED)	1	1/2"			1		1		1	0	1	0
IM-3	ICE MAKER - SODA	KES	KES	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MAKER (REMOTE AIR COOLED)	1	1/2"			1		1		1	0	1	0
MB-1A	MOP BASIN	GC	GC	FIAT	MSB2424	PROVIDE 24"x24"x10" MOLDED-STONE MOP BASIN. INSTALL MOP BASIN IN A BED OF GROUT SO THERE ARE NO VOIDS BETWEEN THE MOP BASIN AND THE SLAB.	1	0"	0"	3"	0	0	0	3	0	0	0	3
MB-1B	MOP BASIN FAUCET	KES	GC	FURNISHED BY KES	--	SERVICE SINK FAUCET WITH BUILT IN STOPS, LEVER HANDLES, AND WALL BRACE.	1	1/2"	1/2"	0"	2.25	2.25	3	0	2.25	2.25	3	0
PF-1	POT FILLER	KES	GC	FURNISHED BY KES	--	WALL-MOUNTED POT FILLER W/ SELF-CLOSING FILLER VALVE AND 3/8" NPT FEMALE INLET	1	1/2"			1.5	0	1.5		1.5	0	1.5	0
SK-1	THREE COMPARTMENT SINK	KES	GC	FURNISHED BY KES	--	THREE-COMPARTMENT WARE-WASHING SINK FURNISHED WITH (1) PRE-RINSE UNIT WITH ADD-ON FAUCET	1	1/2"	1/2"	2"	4	4	4	5	4	4	4	5
SK-2	PREP SINK	KES	GC	FURNISHED BY KES	--	STAINLESS STEEL PREP TABLE WITH INTEGRAL PREP SINK. FURNISHED WITH "BIG FLO" FAUCET	1	3/4"	3/4"	2"	3	3	4	0	3	3	4	0
TD-1	TRENCH DRAIN	GC	GC	ZURN	Z886 8601 8602	6" X 160" HDPE TRENCH DRAIN (SLOPED FROM 3.50" TO 4.70") WITH (2) CLOSED END CAPS, (1) 4" NO-HUB BOTTOM OUTLET, AND CLASS-A HEEL-PROOF POLYETHYLENE GRATES. SEE DETAIL 12/P700 FOR REDUCTION TO 2" DRAIN CONNECTION.	1			2"	0	0	0	2	0	0	0	2
TP-2	TRAP PRIMER (TWO FLOOR DRAINS)	GC	GC	PRECISION PLUMBING PRODUCTS	P2-500 W/ DU-U	TRAP PRIMER WITH INTEGRAL VACUUM BREAKER AND DISTRIBUTION UNIT. CAP UNUSED DISTRIBUTION UNIT OUTLETS.	1	1/2"			0		0		0	0	0	0
TP-3	TRAP PRIMER (THREE-FOUR FLOOR DRAINS)	GC	GC	PRECISION PLUMBING PRODUCTS	P1-500 W/ DU-U	TRAP PRIMER WITH INTEGRAL VACUUM BREAKER AND DISTRIBUTION UNIT. CAP UNUSED DISTRIBUTION UNIT OUTLETS.	1	1/2"			0		0		0	0	0	0
WC-1	WATER CLOSET	GC	GC	KOHLER	K-3519 W/ SEAT K-4666-C	WHITE HIGHLINE 1.0 GPF, 17-1/8"-HIGH, ADA ACCESSIBLE, PRESSURE ASSIST WATER CLOSET WITH OPEN-FRONT SEAT. INSTALL TRIP LEVER ON THE TANK TO THE OPEN SIDE OF THE STALL (ADD -RA TO THE MODEL # FOR RIGHT HAND TRIP LEVER).	2	1/2"		3"	5	0	5	4	10	0	10	8
WS-1	WATER SOFTENER	KES	GC	CUNO	CFSM1254E	POINT OF ENTRY HIGH CAPACITY WATER TREATMENT SYSTEM	1	1"			0	0	0	0	0	0	0	0
							47								38.25	22.25	45	71

WATER HEATER SCHEDULE - INSTANTANEOUS									
TAG	DESCRIPTION	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	INPUT MBH	DELIVERY	NOTES	
DWH-1	DIRECT VENT GAS-FIRED INSTANTANEOUS WATER HEATER	GC	GC	NAVIENT	NPE-240A2	199	354 GPH @ 65" RISE	RATED FLOW RATE: 5.6 GPM @ 67°F RISE THERMAL EFFICIENCY: 96% PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET". GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIENT AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIENT.COM TO LOCATE AUTHORIZED DISTRIBUTOR)	
DWH-2	DIRECT VENT GAS-FIRED INSTANTANEOUS WATER HEATER	GC	GC	NAVIENT	NPE-240A2	199	354 GPH @ 65" RISE	RATED FLOW RATE: 5.6 GPM @ 67°F RISE THERMAL EFFICIENCY: 96% PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET". GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIENT AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIENT.COM TO LOCATE AUTHORIZED DISTRIBUTOR)	

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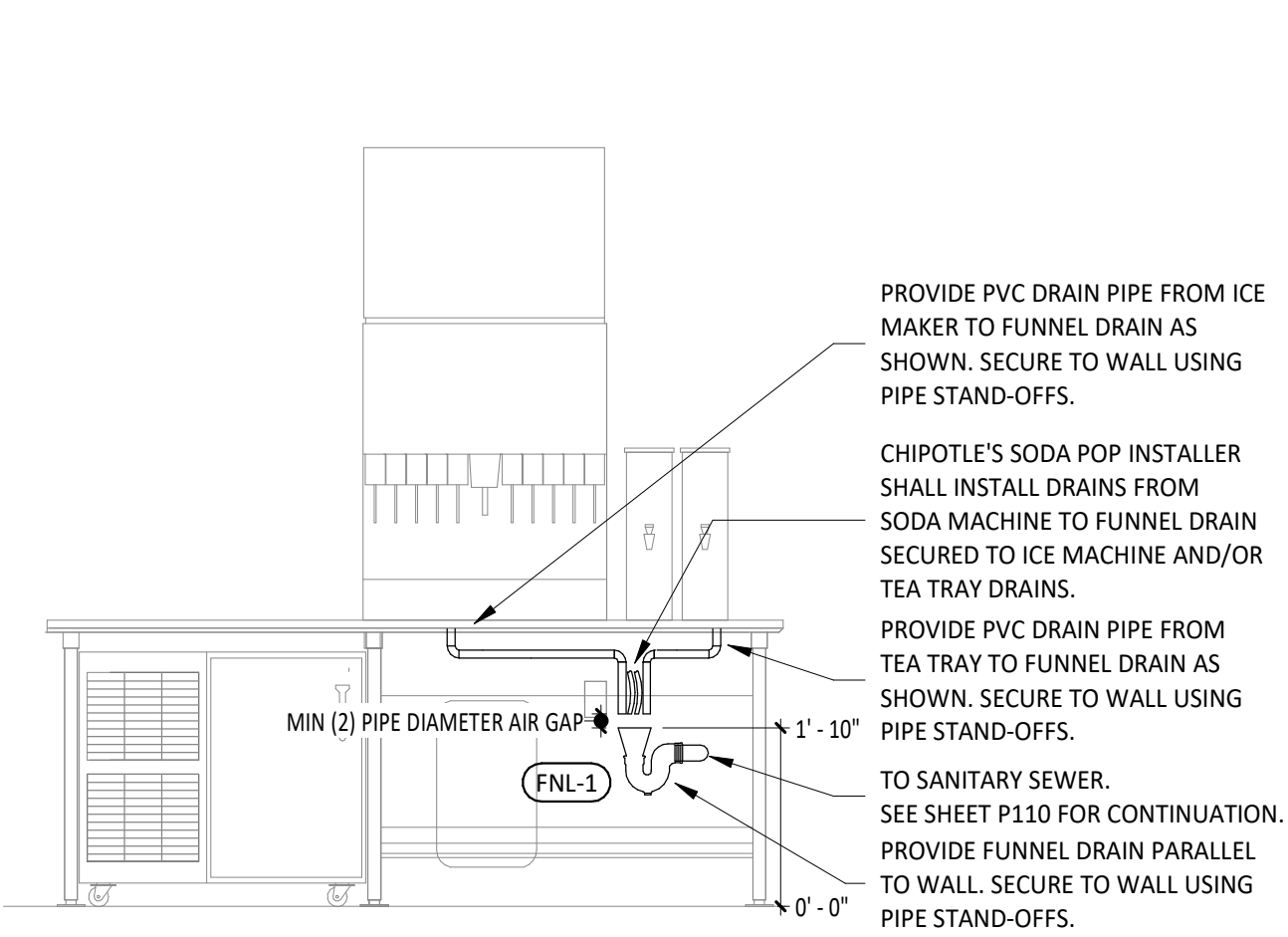
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AJJ	AJJ

Project No.
2301190

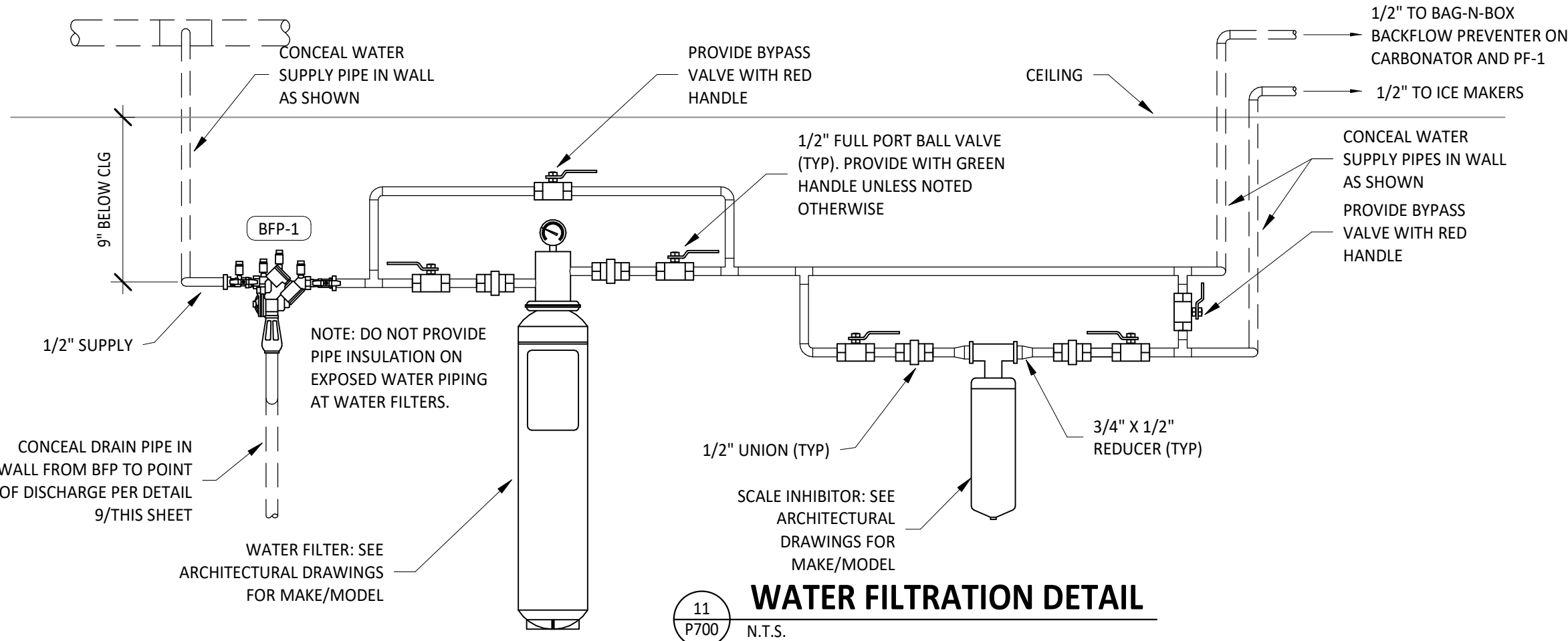
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PLUMBING
SCHEDULES

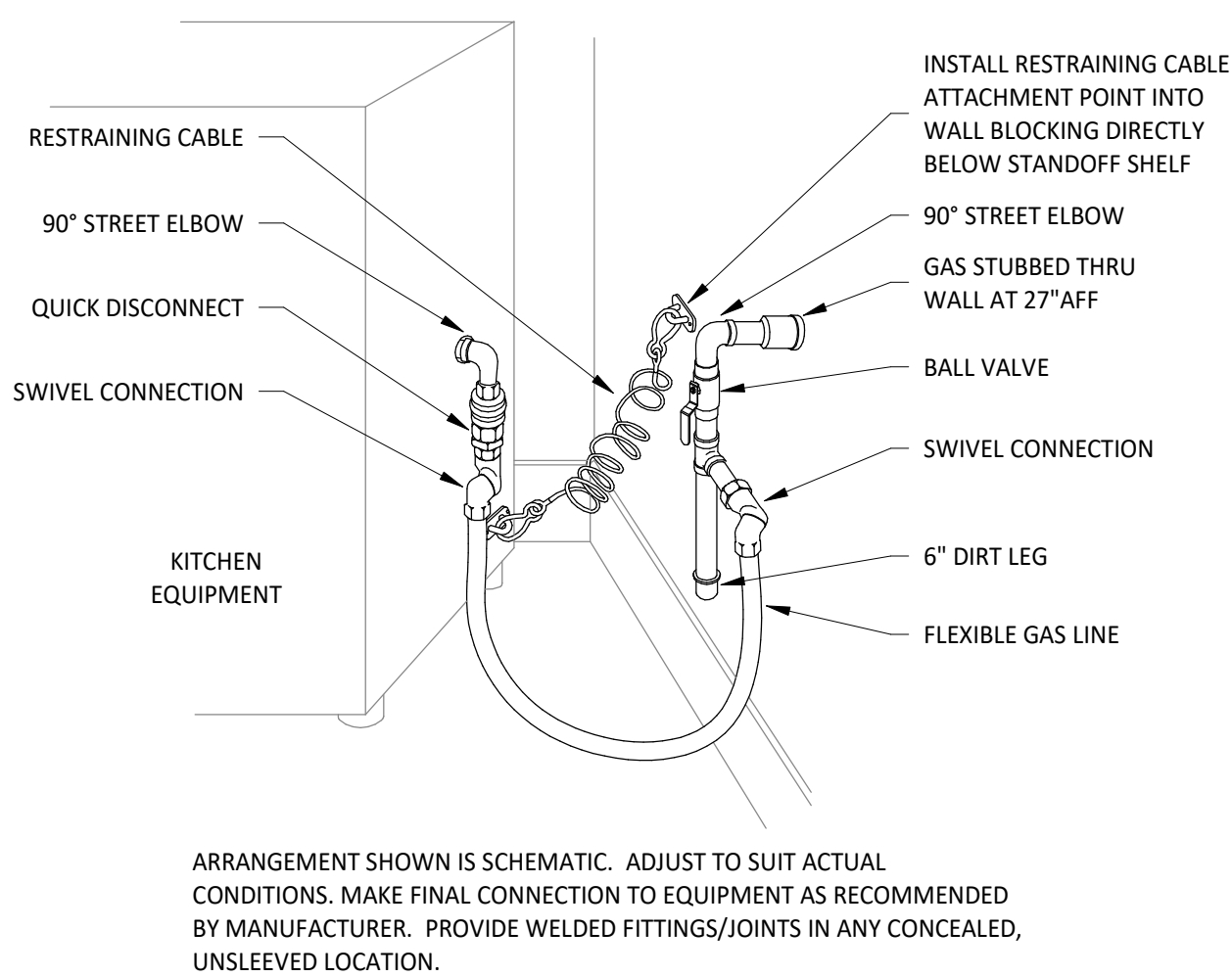
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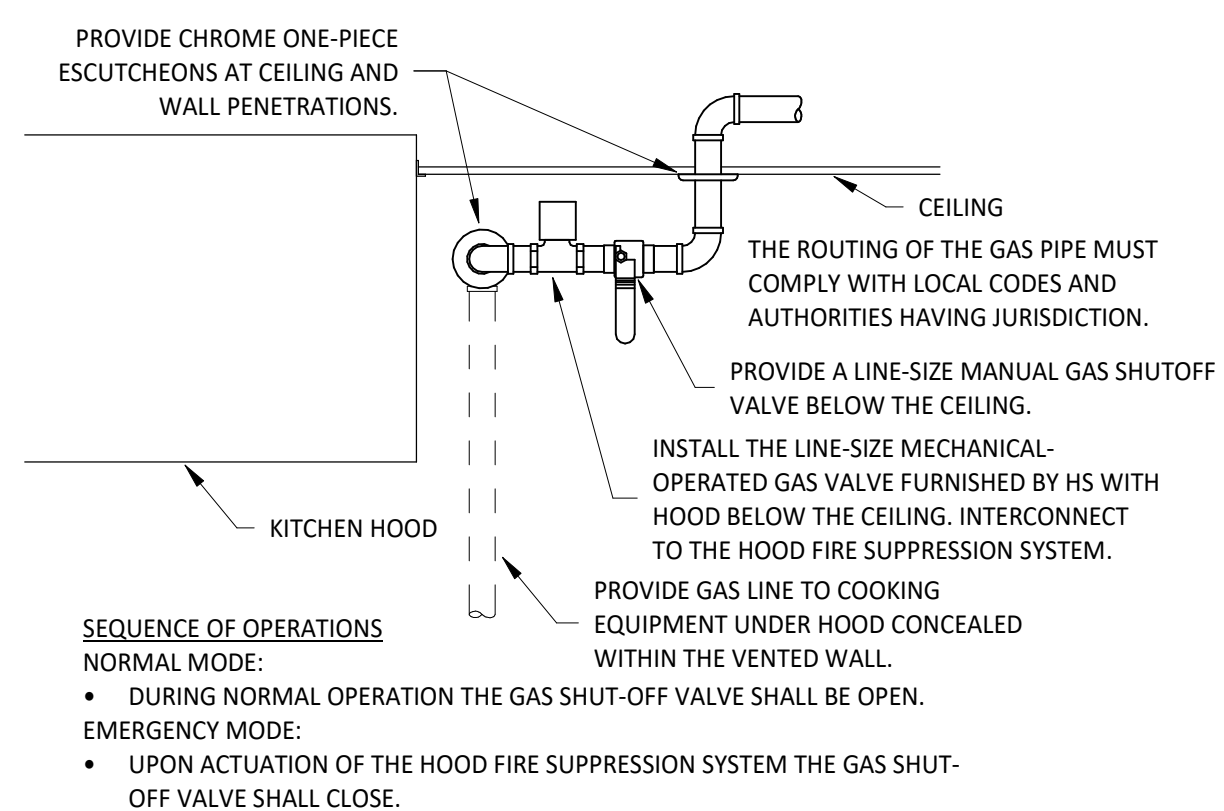
18 P700 N.T.S. PUW FUNNEL DRAIN DETAIL



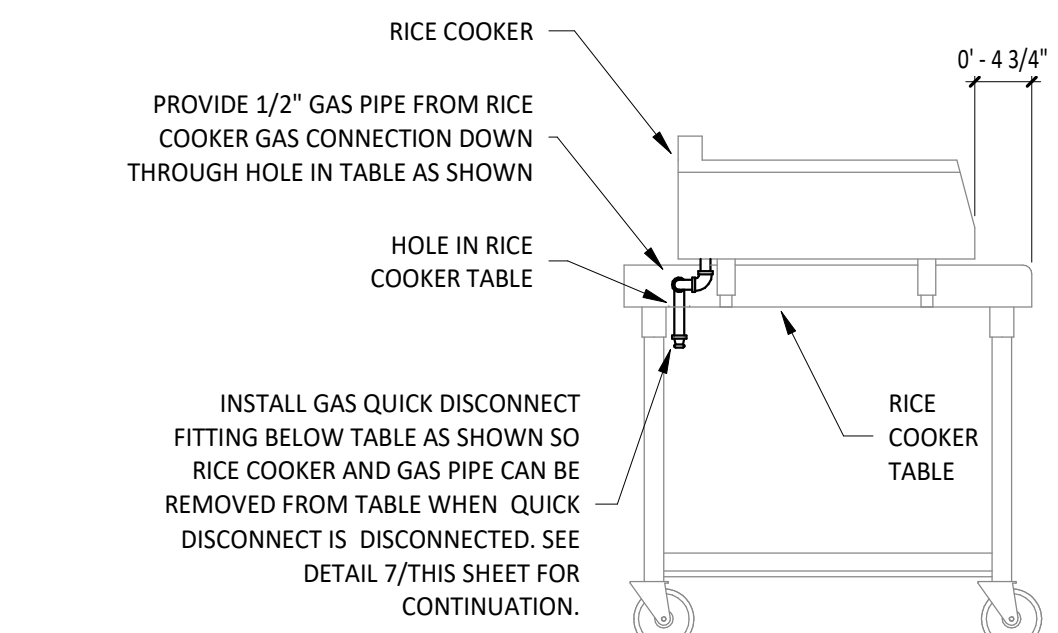
11 P700 N.T.S. WATER FILTRATION DETAIL



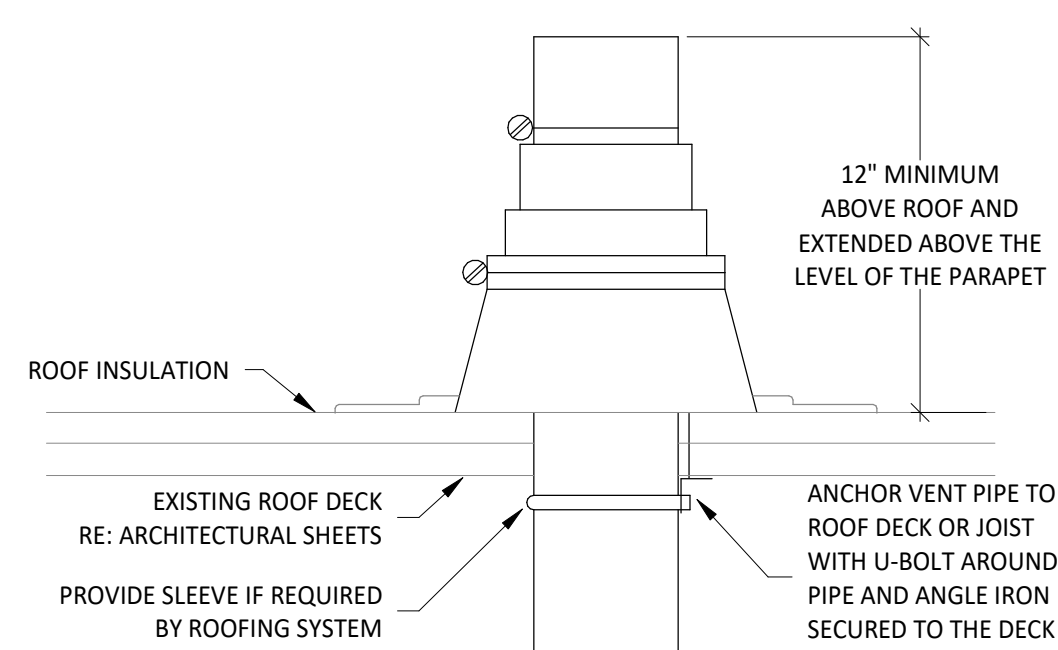
7 P700 N.T.S. KITCHEN GAS EQUIPMENT DETAIL



2 P700 N.T.S. KITCHEN GAS SHUTOFF DETAIL

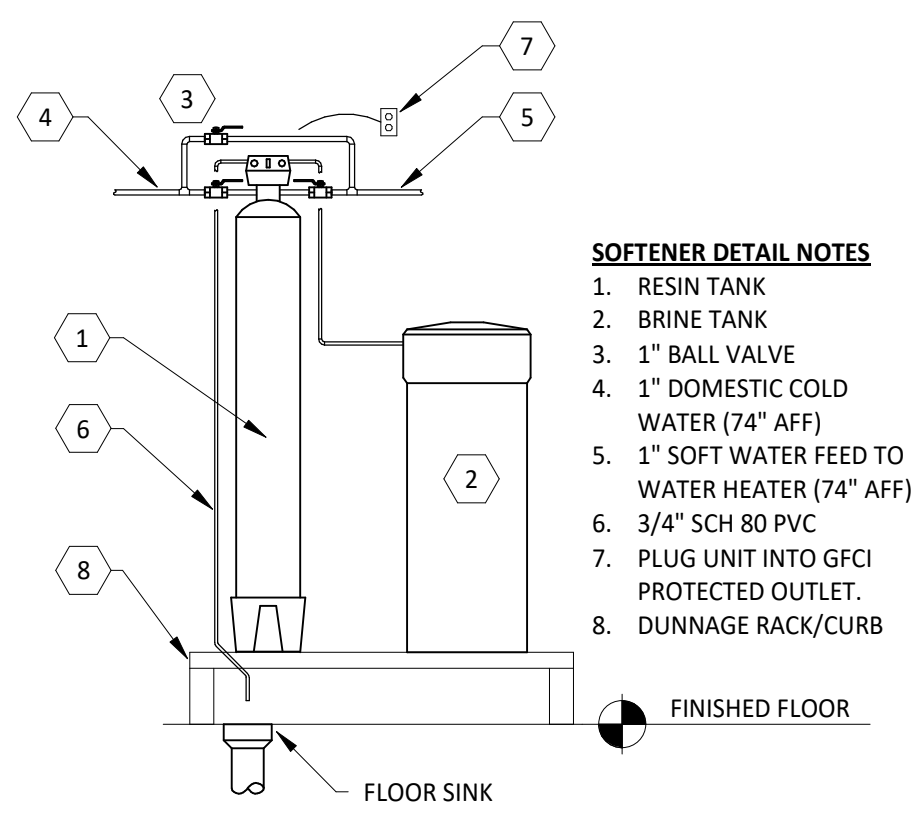


6 P700 N.T.S. RICE COOKER GAS CONNECTION DETAIL

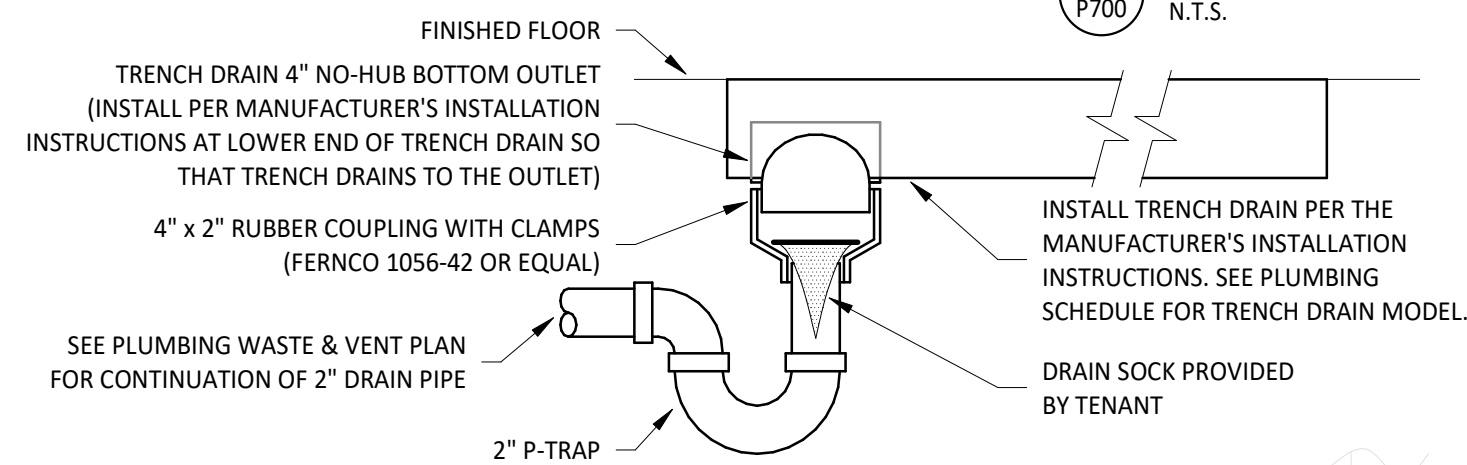


REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. FLASHING AND COUNTER FLASHING ARE TO BE COMPATIBLE WITH THE ROOFING SYSTEM.

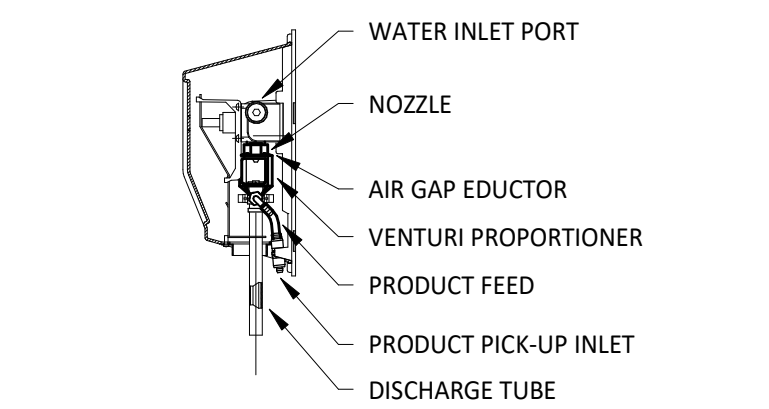
3 P700 N.T.S. VENT THROUGH ROOF



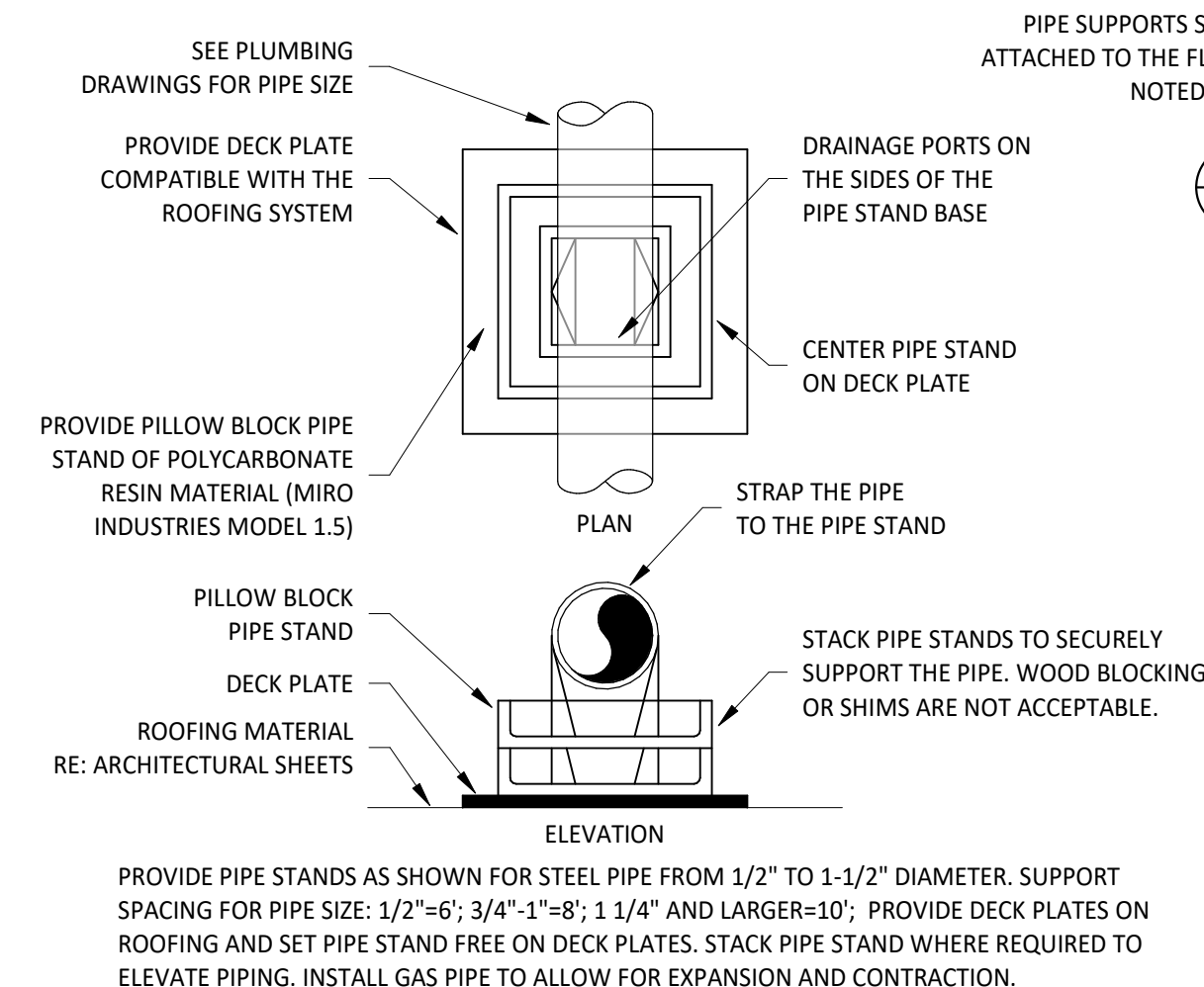
16 P700 N.T.S. WATER SOFTENER DETAIL



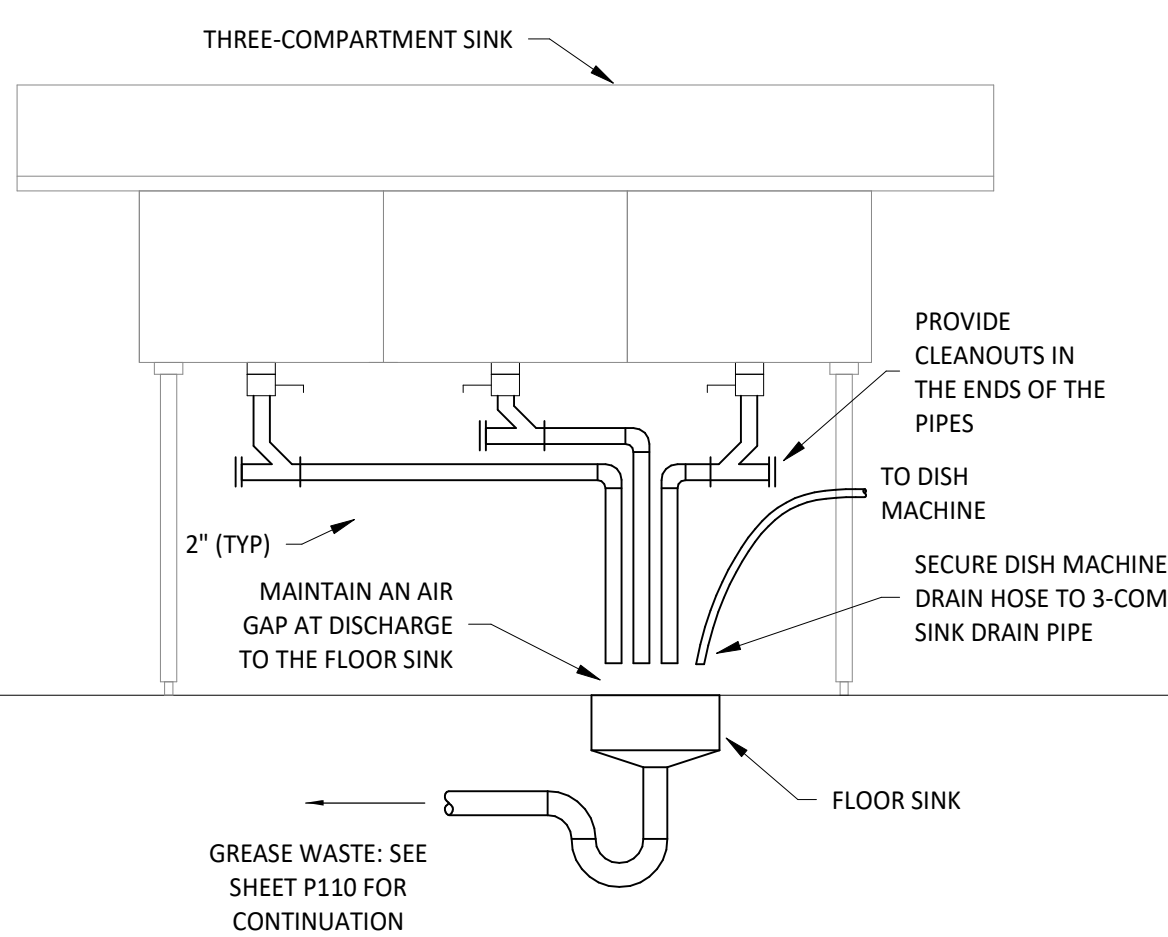
15 P700 N.T.S. TRENCH DRAIN DETAIL



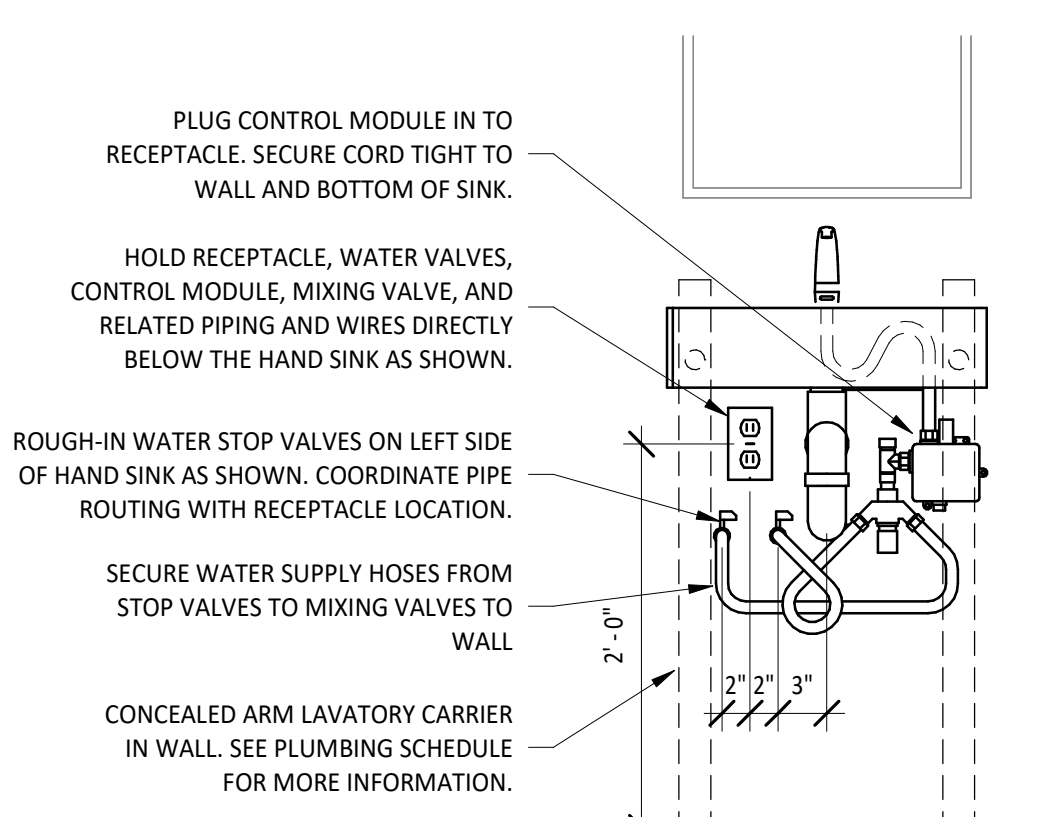
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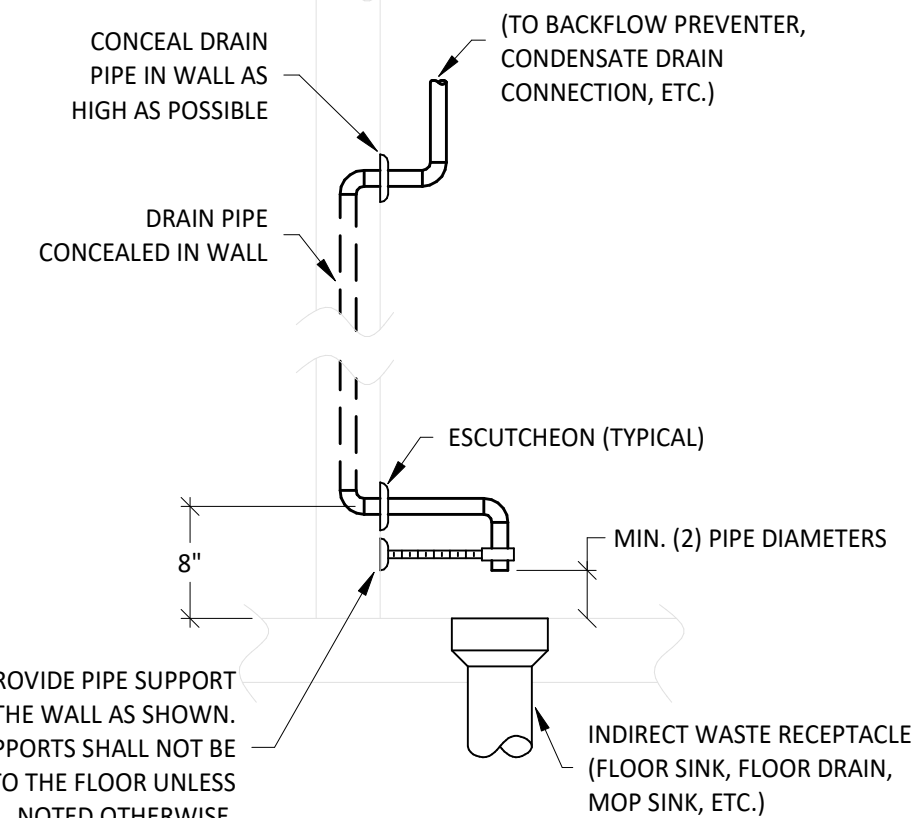
5 P700 N.T.S. ROOF TOP PIPING SUPPORT



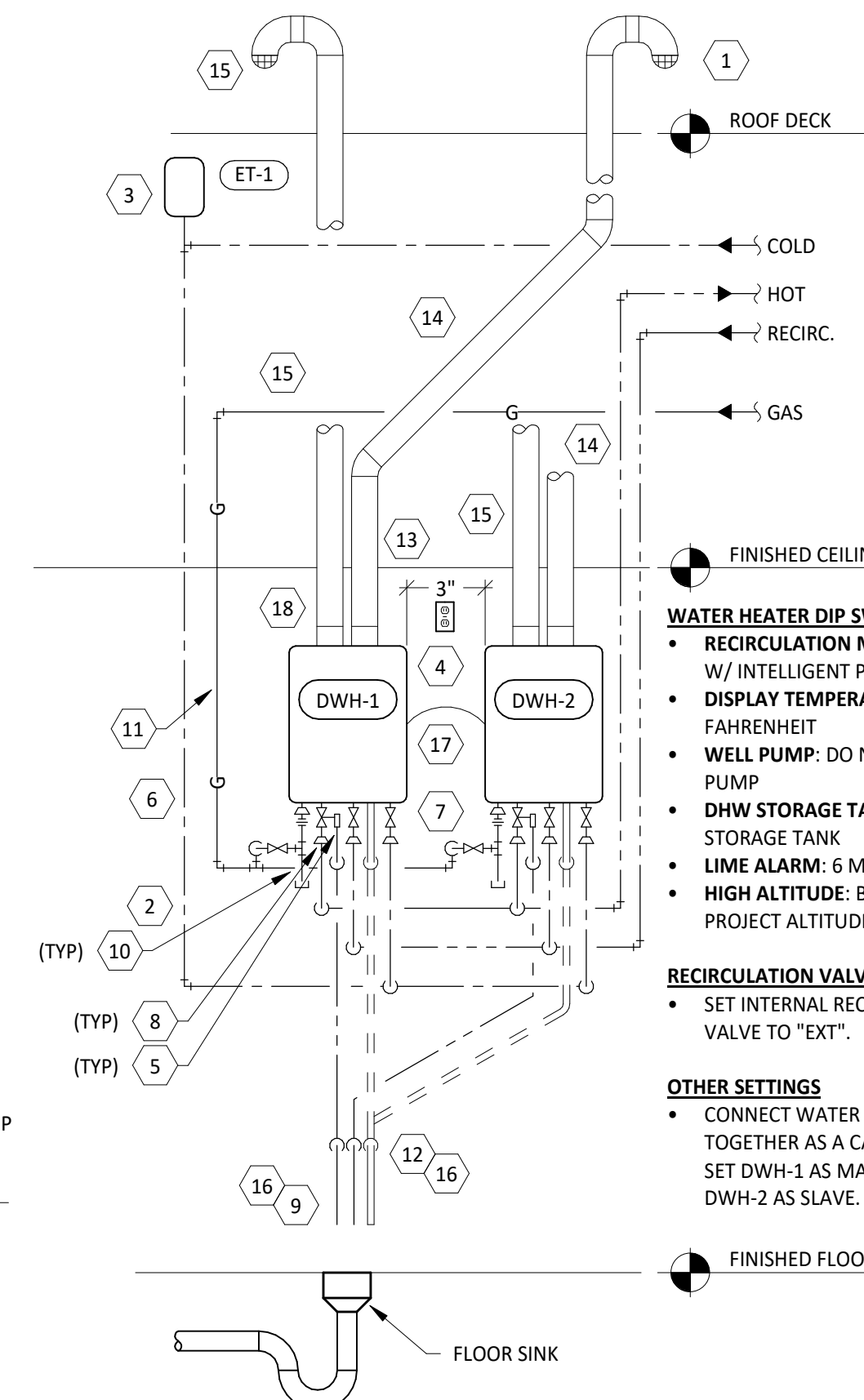
2 P700 N.T.S. WARE-WASHING SINK DETAIL



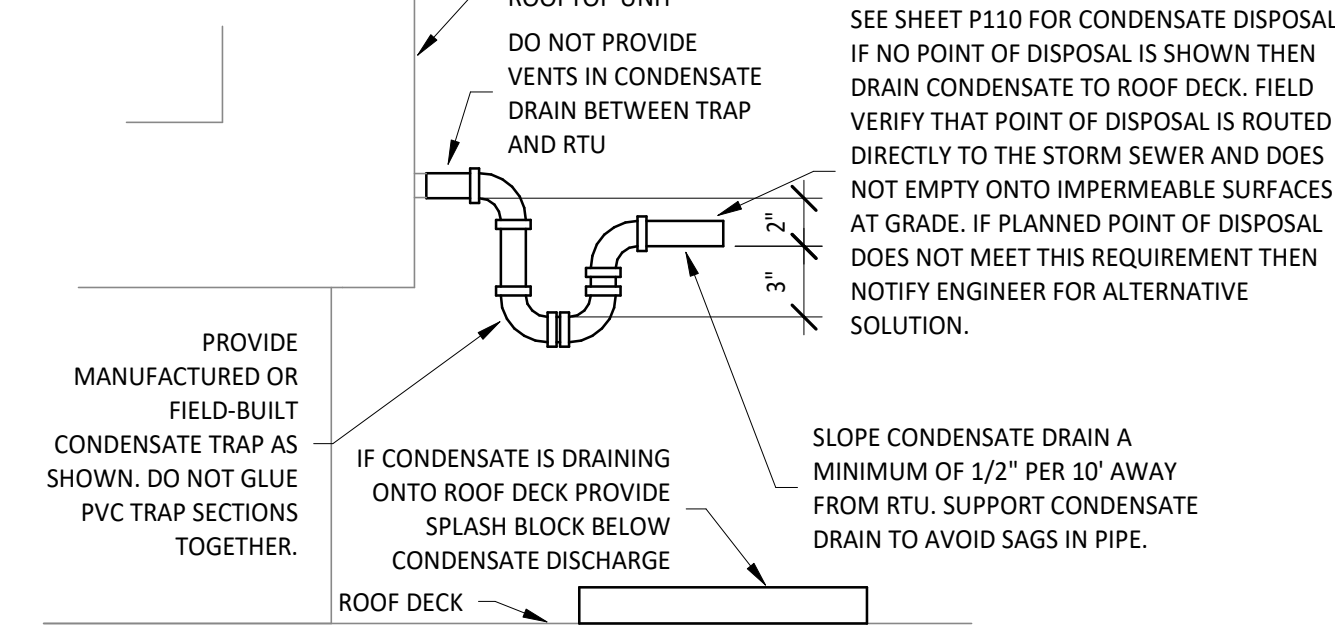
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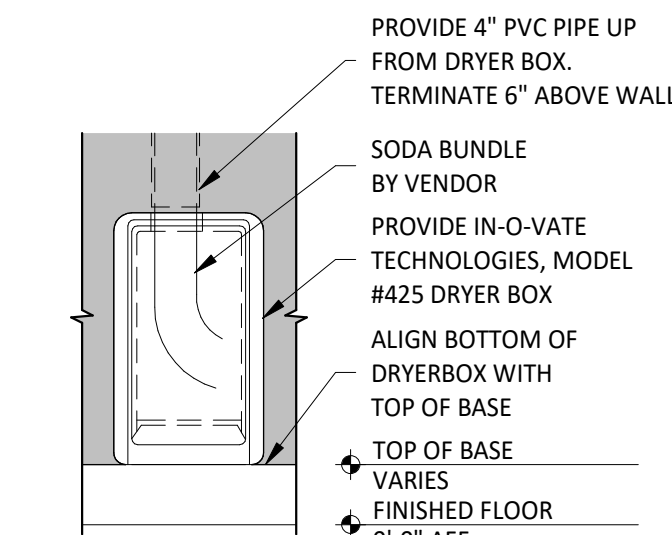
9 P700 N.T.S. INDIRECT WASTE PIPING DETAIL



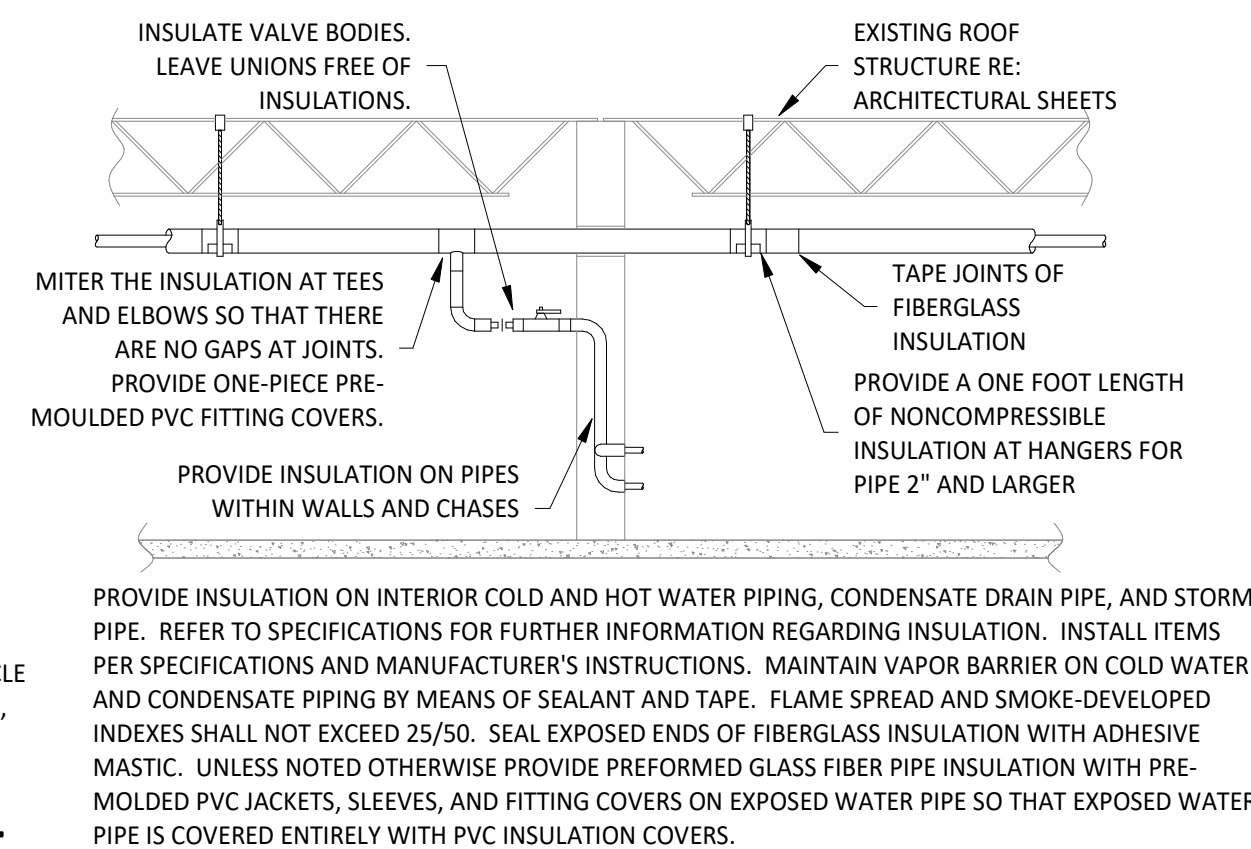
1 P700 N.T.S. WATER HEATER DETAIL



13 P700 N.T.S. RTU CONDENSATE TRAP DETAIL



12 P700 N.T.S. SODA TERMINATION DETAIL



8 P700 N.T.S. PIPE INSULATION DETAIL

WATER HEATER DETAIL NOTES

1. PROVIDE TWO 90° ELBOWS AND A SCREEN FOR THE FLUE TERMINATION THROUGH THE ROOF PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ROUGH-IN COLD, HOT, AND RECIRC PIPES AT 64" AND GAS PIPE AT 61" BELOW THE FINISHED CEILING.
3. PROVIDE EXPANSION TANK ET-1 AS SHOWN. SUPPORT TANK FROM WALL OR STRUCTURE ABOVE.
4. PROVIDE WATER HEATER RECEPTACLE WITHIN 12" OF THE FINISHED CEILING. FASTEN CORD TIGHT TO THE WALL.
5. PROVIDE PRESSURE RELIEF VALVE. PIPE PRESSURE RELIEF VALVE TO POINT OF DISCHARGE.
6. CONCEAL WATER PIPING WITHIN THE WALL AS SHOWN. INSULATE CONCEALED WATER PIPING. DO NOT PROVIDE INSULATION ON EXPOSED WATER PIPING AT WATER HEATER.
7. INTALL "PLUMB EASY VALVE SET" EXPOSED AT THE COLD AND HOT WATER CONNECTIONS TO THE WATER HEATER AS SHOWN.
8. IF THE PIPE SIZES AS SHOWN ON THE PLUMBING PLANS IS LARGER THAN THE WATER HEATER CONNECTIONS SIZES, PROVIDE REDUCERS WITHIN 6" OF THE WATER HEATER.
9. PIPE PRESSURE RELIEF VALVE DISCHARGE AND FLUE CONDENSATE DRAIN TO THE POINT OF DISCHARGE. DRAIN THROUGH AN AIR GAP.
10. PROVIDE AN EXPOSED DRIP LEG AND LINE-SIZE GAS VALVE ON THE GAS SERVICE TO THE WATER HEATER.
11. CONCEAL GAS PIPING IN THE WALL AS SHOWN.
12. PROVIDE 1/2" PVC PIPE FROM THE FLUE CONDENSATE CONNECTION TO THE FLOOR DRAIN OR MOP BASIN. DRAIN THROUGH AN AIR GAP.
13. INSTALL THE TANKLESS WATER HEATER WITH THE TOP OF THE WATER HEATER BETWEEN 9" & 12" OF THE FINISHED CEILING.
14. PROVIDE A 2"Ø PVC PIPE FROM THE TANKLESS WATER HEATER TO THE POINT OF DISCHARGE. SLOPE HORIZONTAL SECTION OF THE FLUE 1/4" PER FOOT TOWARDS THE WATER HEATER.
15. PROVIDE A SCREENED AIR INTAKE WITH TWO 90° ELBOWS ABOVE THE ROOF PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
16. CONCEAL DRAIN LINES IN WALL PER DETAIL 9/THIS SHEET.
17. PROVIDE COMMUNICATION CABLE CONCEALED IN WALL BETWEEN WATER HEATERS.
18. IF WATER HEATERS ARE INSTALLED WITH A COMMON VENT SYSTEM THEN PROVIDE THE NAVIEN COMMON VENT COLLAR KIT WITH BACK-DRAFT DAMPER PER THE MANUFACTURER'S INSTALLATION MANUAL.

WATER HEATER GENERAL NOTES

- A. CLEAN INLET STRAINERS AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO TURNOVER OF THE BUILDING TO THE TENANT.
- B. INSTALL PIPING WITH AS FEW ELBOWS AS POSSIBLE.
- C. MAINTAIN REQUIRED CLEARANCE TO COMBUSTIBLE MATERIALS.
- D. ADJUST WATER HEATER TO A SETPOINT OF 120° F.

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PLUMBING DETAILS

P700

LIGHTING CONTROL PANEL SCHEDULE: LCP							
RELAY	PANEL	CIRCUIT	AREA SERVED	CONTROL	TIME ON	TIME OFF	NOTES
R1	A	32	KITCHEN A	TIMECLOCK	7:00:00 AM	12:00:00 AM	SINGLE POLE (NC)
R2	A	32	KITCHEN B	TIMECLOCK	7:00:00 AM	12:00:00 AM	SINGLE POLE (NC)
R3			SPARE	-	-	-	SINGLE POLE (NC)
R4	A	30	DINING ROOM A	TIMECLOCK	10:00:00 AM	12:00:00 AM	SINGLE POLE (NC)
R5	A	30	DINING ROOM B	TIMECLOCK	10:00:00 AM	12:00:00 AM	SINGLE POLE (NC)
R6			SPARE	-	-	-	SINGLE POLE (NC)
R7	A	28	RESTROOM EXHAUST FAN	TIMECLOCK	7:00:00 AM	12:00:00 AM	SINGLE POLE (NC)
R8	A	42	EXT. LIGHTING/SIGNAGE	TIMECLOCK	SUNSET - 1 HR	12:00:00 AM	SINGLE POLE (NC)

LIGHTING CONTROL COMPONENTS SCHEDULE							
	DESCRIPTION	QUANTITY	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	REMARKS
LCP	8 RELAY LIGHTING CONTROL PANEL	1	TLS	GC	ACUITY	ARP INTENC08 NLT 8FCR MVOLT HLK FM DTC CPTLE1	8 RELAY PANEL FOR DIMMING CONTROL WITH FLUSH MOUNT ENCLOSURE, AND DIGITAL TIME CLOCK
\$C	WALL-MOUNTED OVERRIDE SWITCH (4 CHANNEL)	1	TLS	GC	ACUITY	nPODMA 4P WH	SEE LIGHTING CONTROL DIAGRAM FOR SWITCH CONFIGURATION
\$D	WALL-MOUNTED DIMMER SWITCH	2	TLS	GC	COOPER	SAL06P-W	SLIDE DIMMER COMPATIBLE WITH UP TO 300W LED LIGHTING. SET AT 50%. IF DINING ROOM LIGHTS FLICKER AT THIS DIMMER SETTING THEN GC SHALL PROVIDE LUTRON DVCL-253P DIMMER AS REPLACEMENT.
\$OC	WALL-MOUNTED LINE VOLTAGE OCCUPANCY SENSOR	3	TLS	GC	HUBBELL	LHMTS 1-N-WH	WHITE DUAL TECHNOLOGY SINGLE RELAY WITH 1 BUTTON AND NEUTRAL WIRING

LIGHTING FIXTURE SCHEDULE

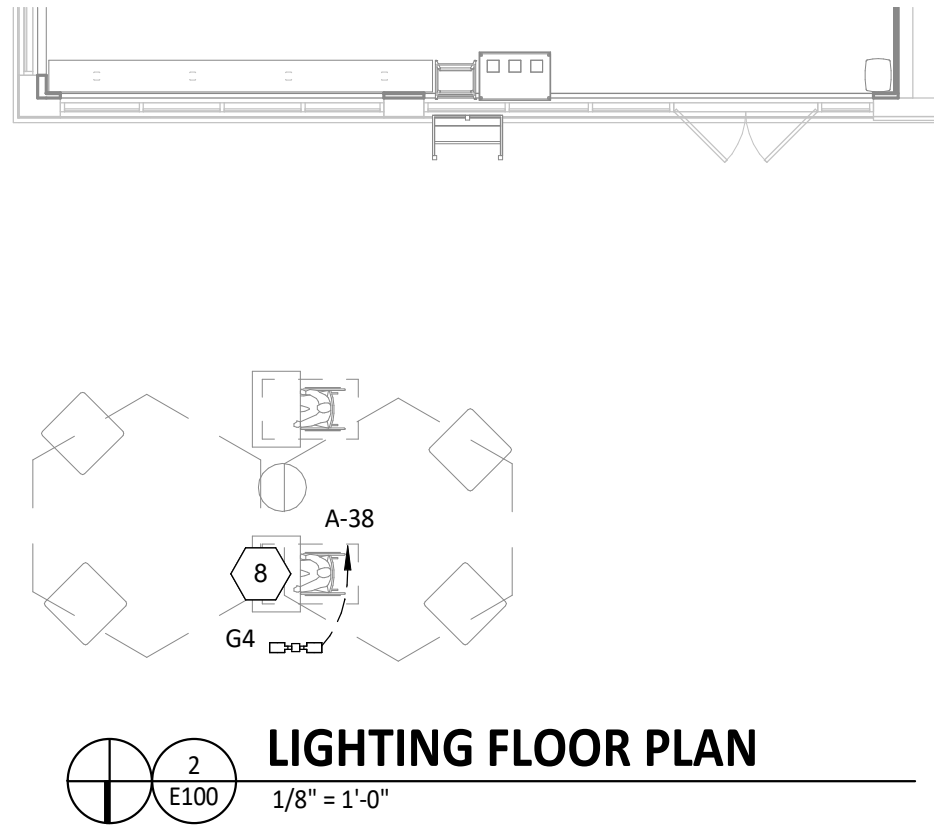
TAG	QUANTITY	TYPE	MOUNT	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	LAMP(S)	VOLTS	WATTS	SPECIAL REQUIREMENTS
A1	9	2x2 LED LENSED TROFFER	LAY-IN	TLS	GC	NORA LIGHTING	NPDBL-E22/334 W	(1) 3000K LED	120	30	COMPATIBLE WITH 0-10V DIMMING, FACTORY LOCKED TO 3000K
B1	7	RECESSED 6IN CAN LIGHT	CEILING	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL WITH NTM-57W/M1 Trim	(1) 17W ECOSTORY ECO-PAR38C-17-GU24-27K-25D LED (25"-2700K) W/ GU 24 BASE	120	17	
B2	33	RECESSED 6IN CAN LIGHT W/ LED TRIM	CEILING	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL WITH NLCBC-65130WW LED TRIM	INTEGRAL 3000K LED	120	17	LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER
B3	4	RECESSED 6IN CAN LIGHT W/ BLACK LED TRIM	CEILING	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL WITH NLCBC2-65127BB LED TRIM	INTEGRAL 3000K LED	120	12	BLACK LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER
C0	2	LOW PROFILE LED - 1 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/12/WW	INTEGRAL 3000K LED	120	5	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C1	5	LOW PROFILE LED - 2 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/22/WW	INTEGRAL 3000K LED	120	9	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C2	2	LOW PROFILE LED - 3 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/34/WW	INTEGRAL 3000K LED	120	12	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C3	6	LOW PROFILE LED - 4 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/46/WW	INTEGRAL 3000K LED	120	15	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C4	10	LOW PROFILE LED - 5 FT	SURFACE	TLS	GC	HERA LIGHTING	EL/LED/59/WW	INTEGRAL 3000K LED	120	18	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
E1	4	EMERGENCY LIGHT - DUAL HEAD	VARIOUS	TLS	GC	EXITRONIX	LED-90	(2) SPECIAL LED	120	2	90 MINUTE BATTERY BACKUP
E2	3	EXTERIOR REMOTE EMERGENCY LIGHT	VARIOUS	TLS	GC	EXITRONIX	MLED1-B-WP	(1) SPECIAL LED	4	1	LOW VOLTAGE REMOTE EMERGENCY LIGHT POWERED BY REMOTE-CAPABLE EXIT SIGN WITH MOUNTING PLATE
E4	3	WHITE EXIT SIGN WITH EMERGENCY LIGHT - STANDARD RED LETTERS	VARIOUS	TLS	GC	EXITRONIX	CLED-U-WH	(1) SPECIAL LED	120	2	90 MINUTE BATTERY BACKUP WITH INTEGRAL EMERGENCY LIGHT, REMOTE HEAD CAPABLE
E7	9	EMERGENCY LIGHT	VARIOUS	TLS	GC	DUAL-LITE	EV2	(2) 1W INTEGRAL LED	120	1	90 MINUTE BATTERY BACKUP
G4	1	PATIO LIGHT POLE	POLE	TLS	GC	RAB Lighting	ALED10Y W/ PS4-11-10D2 POLE	INTEGRAL LED	120	20	SEE PLAN FOR LAMP HEAD CONFIGURATION. REFER TO ARCHITECTURAL SHEETS FOR FINISH AND INSTALLATION DETAIL
H1	8	HOOD LIGHT	SURFACE	THS/TLS	THS	VAPOR PROOF LIGHT FIXTURE FURNISHED WITH HOOD	FURNISHED WITH HOOD	(1) TCP L16A19N1527K	120	23	INSTALL LAMP FURNISHED SEPARATELY BY LIGHTING SUPPLIER
J4	2	DECORATIVE PENDANT	SURFACE	TLS	GC	BARNLIGHT	BLE-C-CPT10-ASH-100-SBK-100-CAW	GREEN CREATIVE 9A19DIM/927/GU24/R	120	9	WITH BLACK LAMPSHADE, BLACK CORD, AND OAK LAMPHOLDER
P3	5	ACCENT LIGHT - ARTWORK LIGHT FIXTURE	WALL	TLS	GC	HI-LITE	H-CW2700-B	(1) 12W ECOSTORY PAR30 LED (30"-2750K) W/ GU 24 BASE	120	12	
P5	4	PENDANT	SURFACE	TLS	GC	HI-LITE MFG	H-LC-91/CB12-91/20W LBL	TCP FG25D4027CCQ	120	5	ADJUST CORD LENGTH FOR MOUNTING HEIGHT CALLED FOR IN ARCHITECTURAL DRAWINGS
P6	1	DECORATIVE DINING ROOM PENDANT	SURFACE	TLS	GC	BARN LIGHT	BLE-C-JGT-133-35630-3	INTEGRAL LED	120	30	HARDWIRED SET OF (3) HEADS WITH UNIVERSAL CANOPY AND STANDARD BLACK CABLES
S1	1	DRIVE-UP PICK-UP WINDOW CHIME/STROBE	WALL	TLS	GC	FEDERAL SIGNAL	SLMS00B W/ SLMBW-012-024	INTEGRAL	16	0	SET SWITCH A TO "CHIME 1 SINGLE" (11011) AND SWITCH B TO "CHIME 2 SINGLE" (00111)
T1	13	TRACK HEAD	TRACK	TLS	GC	JUNO	R605L 30K 90CRI PDIM WFL BL	INTEGRAL LED	120	10	BLACK CYLINDER TRACK HEAD W/ UNIVERSAL 120V TRAC ADAPTER AND WIDE FLOOD BEAM
T-6	3	TRACK (6 FEET)	SURFACE	TLS	GC	JUNO	T 6FT BK	N/A	120	0	SINGLE CIRCUIT, BLACK FINISH
T-8	1	TRACK (8 FEET)	SURFACE	TLS	GC	JUNO	T 8FT BK	N/A	120	0	SINGLE CIRCUIT, BLACK FINISH
TCL-0.5	1	CURRENT LIMITER (60W)	SURFACE	TLS	GC	JUNO	TCLFM11 BL W/ TCLCB 0.5A BLCK	N/A	120	0	BLACK CURRENT LIMITING END FEED
TCL-2	1	CURRENT LIMITER (240W)	SURFACE	TLS	GC	JUNO	TCLFM11 BL W/ TCLCB 2A BLCK	N/A	120	0	BLACK CURRENT LIMITING END FEED
W1	4	WIC LED FIXTURE	SURFACE	WCS	GC	FURNISHED WITH WIC	FURNISHED WITH WIC	INTEGRAL LED	120	29	WET-RATED COOLER FIXTURE

LIGHTING FIXTURE SCHEDULE NOTES

- A. FLUORESCENT LAMPS NOT INCLUDED WITH THE FIXTURE AREA TO BE MANUFACTURED BY SYLVANIA UNLESS OTHERWISE NOTED. PHILIPS FLUORESCENT LAMPS WILL BE AN ACCEPTABLE ALTERNATE.
B. SEE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHT LOCATIONS.
C. SEE THE ARCHITECTURAL LIGHTING DETAILS FOR FIXTURE CONSTRUCTION DETAILS.

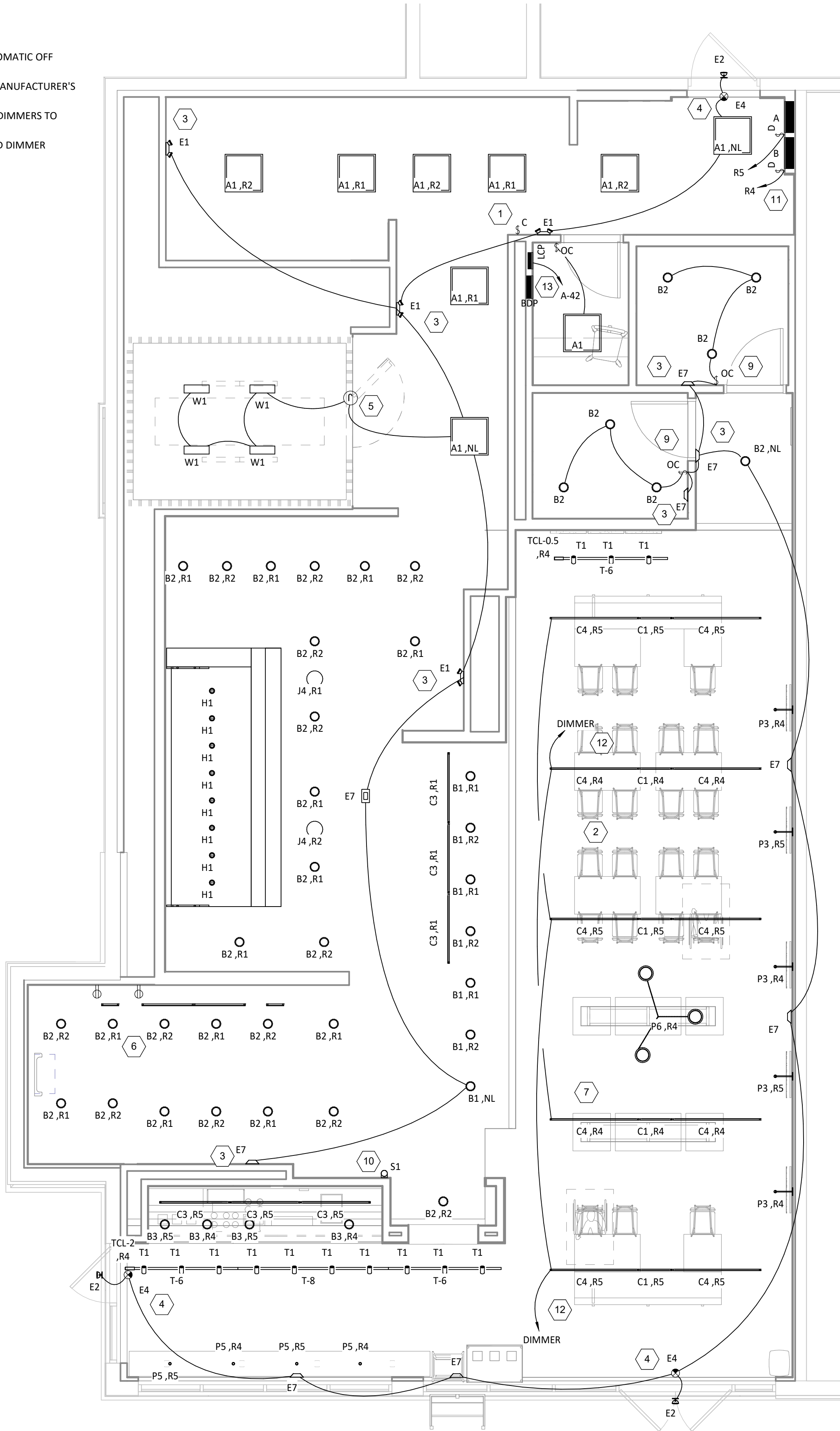
ELECTRICAL LIGHTING PLAN NOTES

- INSTALL WALL-MOUNTED LIGHTING OVERRIDE SWITCH AND CONNECT TO LCP AS SHOWN IN DETAIL 6/E710
- FOR UNCIRCUITED LIGHT FIXTURES, CONNECT TO RELAY CIRCUIT INDICATED NEXT TO THE FIXTURE TAG THROUGH THE LIGHTING CONTROL PANEL (LCP) UNLESS NOTED OTHERWISE.
- WALL MOUNT THE EMERGENCY LIGHT FIXTURE AT 6" BELOW THE CEILING UNLESS NOTED OTHERWISE
- VERIFY MOUNTING HEIGHT OF EXIT SIGN PRIOR TO ROUGH IN. EXIT SIGN MUST BE VISIBLE FROM AREA SERVED AFTER BUILDING SYSTEMS HAVE BEEN INSTALLED. SEE ARCHITECTURAL ELEVATIONS FOR FURTHER INFORMATION.
- INSTALL LIGHT FIXTURES FURNISHED WITH THE WALK-IN COOLER, PROVIDE UNSWITCHED CONDUCTOR FROM LIGHTING CIRCUIT TO WALK-IN COOLER LIGHTING J-BOX AND FROM J-BOX TO LIGHT FIXTURES AS SHOWN. CONDUIT BETWEEN LIGHT FIXTURES SHALL BE ROUTED ON THE INTERIOR OF THE WALK-IN COOLER. SEAL INTERIOR AND EXTERIOR OF CONDUITS WHERE THEY PASS THROUGH THE WALK-IN COOLER ENVELOPE PER THE NEC.
- PROVIDE (2) GFCI RECEPTACLES FOR UNDERSHELF LIGHTING AS SHOWN. CONNECT TO SWITCHED LEG OF THE KITCHEN LIGHTING CIRCUIT. SEE ELEVATIONS ON SHEET E700 FOR RECEPTACLE LOCATIONS, HEIGHTS, AND CIRCUITING. INSTALL RECEPTACLES IN A HORIZONTAL ORIENTATION.
- PROVIDE UNISTRUT AS SHOWN ON THE ARCHITECTURAL RCP PER THE ARCHITECTURAL UNISTRUT DETAIL, TYPICAL.
- CONNECT EXTERIOR LIGHTING CIRCUIT TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL PER DETAIL 6/E710.
- INSTALL WALL-MOUNTED OCCUPANCY SENSOR FURNISHED BY LIGHTING SUPPLIER AT 42" AFF. ADJUST OCCUPANCY SENSOR TO PROVIDE AUTOMATIC ON/AUTOMATIC OFF OPERATION WITH A FIXED TIMER OF 30 MINUTES AND WITH BOTH THE PASSIVE INFRARED AND ULTRASONIC SENSORS ENABLED.
- INSTALL CHIME/STROBE FURNISHED WITH VEHICLE DETECTION SYSTEM ON WALL 12" BELOW CEILING AND CONNECT TO VEHICLE DETECTOR SYSTEM PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL WALL-MOUNTED DIMMERS ABOVE PANELBOARDS 6" ABOVE LAY-IN CEILING FOR CONTROL OF DINING ROOM OVERHEAD STRIP LED LIGHTS. CONNECT DIMMERS TO RELAYS SHOWN THROUGH THE LIGHTING CONTROL PANEL. SET DIMMERS AT 50%.
- CONNECT DINING ROOM (RELAY CIRCUITS R4 AND R5) OVERHEAD STRIP LED LIGHTS TO THE RELAY INDICATED THROUGH THE CORRESPONDING WALL-MOUNTED DIMMER INSTALLED ABOVE THE PANELBOARDS.
- INSTALL LIGHTING CONTROL SYSTEM PER DETAIL 6/E710.



LIGHTING FLOOR PLAN

1/8" = 1'-0"



LIGHTING FLOOR PLAN

1/4" = 1'-0"

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ELECTRICAL
LIGHTING PLAN

E100

SHOW ROOM WINDOW RECEPTACLE. COORDINATE EXACT RECEPTACLE MOUNTING HEIGHT IN THE FIELD. LOCATION SHALL BE THE DRYWALL IMMEDIATELY ABOVE THE MAIN STORE-FRONT WINDOW AND AS SHOWN IN THE DINING ROOM ELECTRICAL ELEVATIONS ON SHEET E700.

2 ICE MACHINE ELECTRICAL TIE-IN. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN. PROVIDE L5-20P FLANGED INLET WIRED TO THE REMOTE CONDENSER. PROVIDE 48" CORDS, ONE WITH 5-20P END AND ONE WITH L5-20R END, FROM ICE MAKER TO RECEPTACLE AND FLANGED INLET.

3 CONNECT RECEPTABLES SERVING EQUIPMENT BELOW THE KITCHEN HOOD TO THE CIRCUITS SHOWN THROUGH THE CONTACTOR INTEGRAL TO THE HOOD CONTROL PANEL. INTEGRAL CONTACTOR SHALL BE INTERLOCKED TO HOOD FIRE PROTECTION SYSTEM, SO THAT RECEPTABLES ARE DE-ENERGIZED UPON ACTIVATION OF HOOD FIRE PROTECTION SYSTEM.

4 JUNCTION BOX FOR EXTERIOR SIGN LIGHTING. COORDINATE EXACT LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER AND THE SIGN INSTALLER PRIOR TO ROUGH-IN. CONNECT TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL E6710.

5 PROVIDE 4" OCTAGONAL JUNCTION BOX WITH SCREW THREADS SET AT THE 2 & 8 O'CLOCK POSITIONS FOR THE KITCHEN EXHAUST SUPPRESSION SYSTEM PULL STATION. PROVIDE A 1/2" CONDUIT FROM THE J-BOX TO 6" ABOVE THE CEILING AND TERMINATE WITH A CONDUIT BUSHING. COORDINATE EXACT LOCATION WITH THE KITCHEN EXHAUST SUPPRESSION SYSTEM INSTALLER AND THE FIRE MARSHAL PRIOR TO ROUGH-IN.

6 HOOD CONTROL PANEL AND KITCHEN EXHAUST SUPPRESSION SYSTEM CABINET SHALL BE LOCATED WITHIN THE INTEGRAL HOOD UTILITY CABINET. PROVIDE FINAL ELECTRICAL CONNECTIONS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.

8 PROVIDE AN EMPTY SINGLE GANG J-BOX FOR VOLUME CONTROLS. INSTALL 16/2 SPEAKER WIRE FURNISHED BY MSS FROM THE J-BOX TO THE AMPLIFIER IN THE OFFICE WITH 3 FEET OF SLACK AT EACH END.

9 COORDINATE DATA/POWER RECEPTACLE MOUNTING REQUIREMENTS WITH THE CASE WORK INSTALLER PRIOR TO ROUGH-IN. PROVIDE ROUGH-IN FOR LAUNCHPORT AS NOTED. LAUNCHPORT WILL BE FURNISHED AND INSTALLED BY CHIPOTLE WITH THE WALLSTATION AT 62" AFF. PROVIDE A 4" X 2-1/8" DEEP OCTAGON J-BOX WITH 1-1/2" EXTENSION RING AT 62" AFF FOR THE WALLSTATION INSTALLATION WITH A 1" CONDUIT WITH PULL STRING FROM THE J-BOX TO ABOVE THE OFFICE CEILING.

11 PROVIDE (2) EMPTY 2" CONDUITS WITH PULL STRINGS FROM THE BASE BUILDING'S TELEPHONE AND DATA SERVICE ENTRANCE LOCATIONS TO THE SPACE ABOVE THE OFFICE CEILING. TERMINATE WITH CONDUIT BUSHING.

12 PROVIDE A SUITABLE LENGTH OF LIQUID-TIGHT CONDUIT TO THE EXHAUST FAN EF-1 TO ALLOW THE EXHAUST FAN TO HINGE COMPLETELY OPEN WHEN THE VIROGUARD SYSTEM IS INSTALLED.

13 AFTER THE FAX LINE, POS, AND OFFICE EQUIPMENT IS INSTALLED PROVIDE CHILDPROOF RECEPTACLE COVERS ON UNUSED IG RECEPTABLES AT THE FAX LINE, POS, AND OFFICE.

14 PROVIDE ONE PHASE, ONE NEUTRAL, AND ONE GROUND CONDUCTOR FROM THE ICE MAKER TO THE REMOTE CONDENSING UNIT.

15 UNIT SHALL HAVE AN INTEGRAL NON-FUSED DISCONNECT SWITCH.

16 PROVIDE 3" CONDUIT (EMT, IMC, OR RMC) THROUGH ROOF. TERMINATE WITH WEATHERHEAD 12" ABOVE ROOF FOR FUTURE CELL BOOSTER.

17 INSTALL THE BYPASS DISTRIBUTION PANEL (BDP) FURNISHED BY THE TENANT. INSTALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 3P710.

18 ROUGH-INS TO SERVE LINE AND POS EQUIPMENT ARE UNDERGROUND. COORDINATE ROUGH-IN REQUIREMENTS AND LOCATIONS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.

19 ROOFTOP UNIT SHALL HAVE AN INTEGRAL UNIT-MOUNTED GFCI RECEPTACLE. PROVIDE CONNECTION TO CIRCUIT SHOWN.

20 ICE MAKER RECEPTABLES SHALL BE CONCEALED BEHIND THE ICE MAKER. COORDINATE LOCATION WITH ACTUAL WIDTH OF ICE MAKER.

21 PROVIDE VERTICAL METAL DIE CAST WEATHERPROOF WHILE IN USE OUTLET COVER ON RECEPTABLES AT COOK LINE. COVER SHALL BE INTERMATIC WP1010MXD FOR SINGLE GANG BOXES AND WP1030MXD FOR DOUBLE GANG BOXES. NO SUBSTITUTIONS SHALL BE ACCEPTED.

22 LABEL BATTERY-PROTECTED RECEPTABLES "BATTERY-PROTECTED: DISCONNECT AT PANEL BDP".

23 LABEL MAIN DISCONNECT SWITCH AND PANEL A "WARNING: BATTERY-PROTECTED RECEPTABLES IN USE. DISCONNECT AT PANEL BDP."

24 PROVIDE A NEMA 5-20P FLANGED INLET (LEVITON MODEL #15378-C) AND A SINGLE NEMA 5-20R RECEPTACLE IN OFFICE FOR CONNECTION TO A CENTRAL UPS SYSTEM. CONNECT THE FLANGED INLET AND THE SINGLE RECEPTACLE TO THE TERMINAL BLOCK IN THE BDP PER THE MANUFACTURER'S INSTRUCTIONS. PROVIDE FINAL CONNECTION FROM FLANGED INLET TO THE OUTPUT OF THE UPS USING A 2" LONG 20A EXTENSION CORD. PLUG THE UPS INTO THE SINGLE RECEPTACLE.

25x CONNECT RESTROOM EXHAUST FAN TO CIRCUIT SHOWN THROUGH THE LIGHTING CONTROL PANEL (LCP).

26 INSTALL 16/2 SPEAKER WIRE FURNISHED BY MSS. INSTALL SPEAKER WIRE BETWEEN SPEAKERS IN THE DINING ROOM AS SHOWN TO THE VOLUME CONTROL IN THE KITCHEN WITH 3 FEET OF SLACK AT EACH END. SEE ARCHITECTURAL PLANS FOR SPEAKER LOCATIONS. ADJUST EACH SPEAKER 70V TAP SETTING TO BE 15 WATTS.

27 PROVIDE POWER CONNECTIONS TO ISLAND PREP TABLE PER DETAIL 2E710. PROVIDE GFCI DUPLEX RECEPTABLES IN THREE J-BOXES INTEGRAL TO PREP TABLES (FOR UNDERCOUNTER REFRIGERATOR, HOT HOLDING CABINET, AND GENERAL RECEPTABLE).

28 PROVIDE GFCI RECEPTACLE AND J-BOX AND INSTALL CO2 ALARM FURNISHED BY COZAS AS SHOWN IN DETAIL 4E710.

29 PROVIDE J-BOX AND INSTALL CO2 ALARM REMOTE DISPLAY UNIT FURNISHED BY COZAS AS SHOWN IN DETAIL 4E710.

30 INSTALL WALK-IN-COOLER EXTERNAL REMOTE THERMOMETER REMOTE PROBE ON WALL OPPOSITE FROM DOOR AS SHOWN. ROUTE TEMPERATURE PROBE WIRE ABOVE WALK-IN COOLER CEILING PANELS, SEAL PENETRATIONS THROUGH THE CEILING PANELS, AND SECURE VERTICAL PROBE WIRE TIGHT TO WALLS. NO EXCESS PROBE WIRE SHALL BE WITHIN THE WALK-IN COOLER.

31 PROVIDE RECEPTACLE FOR RESTROOM HAND SINK FAUCET AS SHOWN IN DETAIL 14P700.

33 PROVIDE 1" CONDUITS FROM LOW-VOLTAGE J-BOXES AT POS COUNTER CONCEALED WITHIN THE SERVE LINE WIRING CHASE TO THE WALL, THEN CONCEALED WITHIN THE WALL AND ABOVE THE CEILING TO ABOVE THE OFFICE CEILING.

37 LABEL RECEPTACLE "UV INSECT TRAP".

38 INSTALL TRANSFORMER FURNISHED BY TUV WITH THE REME HALO AIR PURIFIER IN THE JUNCTION BOX ON THE EXTERIOR OF THE RTU PER DETAIL 6P700. CONNECT LINE SIDE OF THE TRANSFORMER TO THE RTU SERVICE RECEPTACLE CIRCUIT SO THAT REME HALO RUNS CONTINUOUSLY. CONNECT THE LOW VOLTAGE SIDE OF THE TRANSFORMER TO THE REME HALO USING THE INCLUDED BARREL PLUG.

39 PROVIDE (2) 10"x10"x4" JUNCTION BOXES (J-BOX #1/J-BOX #2) ON THE WALL ABOVE PANELBOARDS 6" BELOW THE LAY-IN CEILING AND MOUNTED ADJACENT TO EACH. PROVIDE CONDUITS AND WIRING SHOWN IN DETAIL 8E710. TEMS SHALL PROVIDE GRIDPOINT 3 PHASE METER AND TRANSFORMER WITHIN J-BOX #1 AND GRIDPOINT IOM/HUB WITHIN J-BOX #2. SEE GRIDPOINT INSTALLATION SHEET FOR DETAILS.

40 PROVIDE HORIZONTAL SINGLE-GANG J-BOX BELOW FUTURE GRIDPOINT CONTROLLER LOCATION. PROVIDE CONDUITS AND WIRING AS SHOWN IN DETAIL 8E710.

41 INSTALL WIRED DOOR BUZZER AT 96" AFF. SEE ARCHITECTURAL DOOR EQUIPMENT FOR EQUIPMENT INFORMATION. CONNECT TO CIRCUIT SHOWN THROUGH THE TRANSFORMER FURNISHED WITH THE DOOR BUZZER. PROVIDE WIRING TO A BUTTON ADJACENT TO THE SERVICE DOOR AND CONNECT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

42 CONNECT BATHROOM SANITIZER TO CIRCUIT SHOWN SO THAT IT IS ENERGIZED AT ALL TIMES.

43 PROVIDE POWER AND LOW VOLTAGE CONNECTIONS TO DISH SANITIZING MACHINE PER DETAIL 7E710. CONNECT THE DETERGENT DISPENSER TO THE DISH MACHINE USING THE INCLUDED WIRING HARNESS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

44 PROVIDE RECEPTACLE FOR 2-DOOR AND/OR 1-DOOR REFRIGERATOR WITH GROUND PINS TOWARDS THE BOTTOM OF THE RECEPTACLE.

46 PROVIDE ISLAND PREP TABLE FOOD WARMER RECEPTACLE WITH GROUND PIN TOWARDS THE BOTTOM OF THE RECEPTACLE.

46 SEAL INTERIOR AND EXTERIOR OF CONDUITS THAT PASS THROUGH THE WALK-IN COOLER ENVELOPE PER THE NEC.

47 INSTALL VEHICLE DETECTOR SYSTEM FURNISHED BY TLS SURFACE-MOUNTED ON WALL IN ACCESSIBLE LOCATION ABOVE CEILING AND CONNECT TO STROBE/CHEME AND DETECTOR LOOP PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. MAKE FINAL ADJUSTMENTS TO LOOP SENSITIVITY PER THE MANUFACTURER'S INSTRUCTIONS. ONCE ALL COMPONENTS ARE INSTALLED AND OPERATIONAL THE CHIME/STROBE LIGHT SHOULD STAY ILLUMINATED AND THERE SHOULD BE A SINGLE CHIME WHEN A VEHICLE DRIVES OVER OR STOPS ON LOOP.

49 PROVIDE 4" SQUARE J-BOX ON EXTERIOR WALL FOR MOUNTING OF EXTERIOR CAMERA. SEE ARCHITECTURAL ELEVATION FOR EXACT HEIGHT AND LOCATION. PROVIDE 3/4" CONDUIT WITH PULLSTRING FROM J-BOX TO ABOVE LAY-IN CEILING AREA IN KITCHEN. J-BOX SHALL NOT BE SURFACE MOUNTED. BASE OF CAMERA SHALL BE MOUNTED FLUSH TO EXTERIOR WALL FINISH.

50 PROVIDE CORD AND NEMA 5-20P PLUG FROM UTENSIL COUNTER ICE MAKER, THROUGH UTENSIL COUNTER, TO ICE MAKER RECEPTACLE.

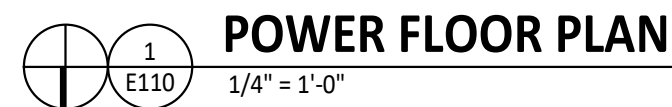
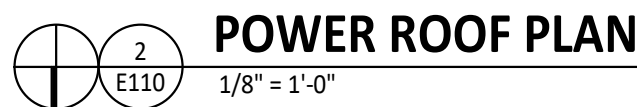
51 LABEL UTENSIL COUNTER RECEPTABLES "TRACTOR BEVERAGE", "ICE MAKER/IMSB", AND "SODA FOUNTAIN".

52 IF NEUTRAL CONDUCTOR IS NOT NEEDED FOR SERVE LINE HOT FOOD SERVICE TERMINATE NEUTRAL IN JUNCTION BOX.

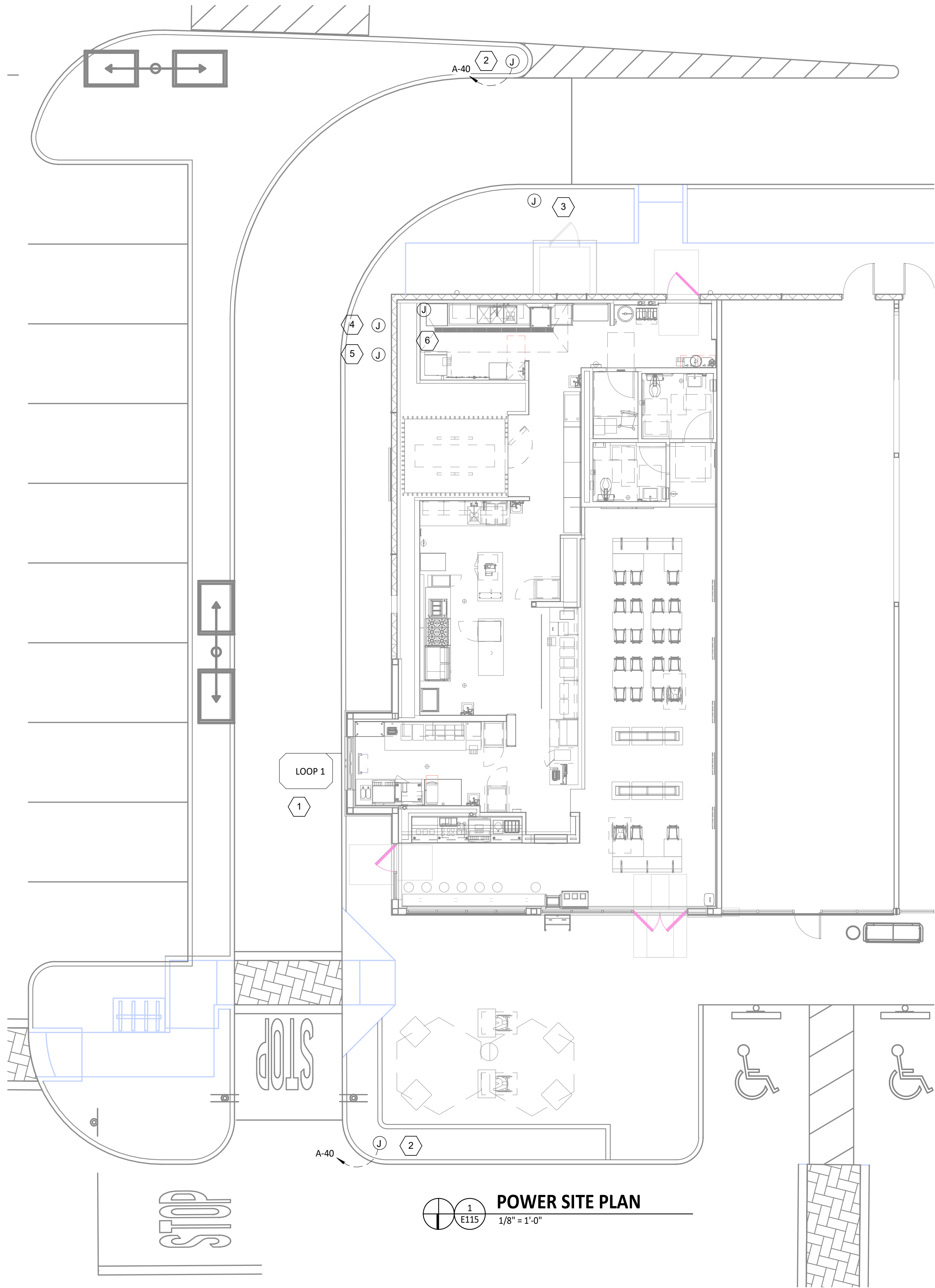
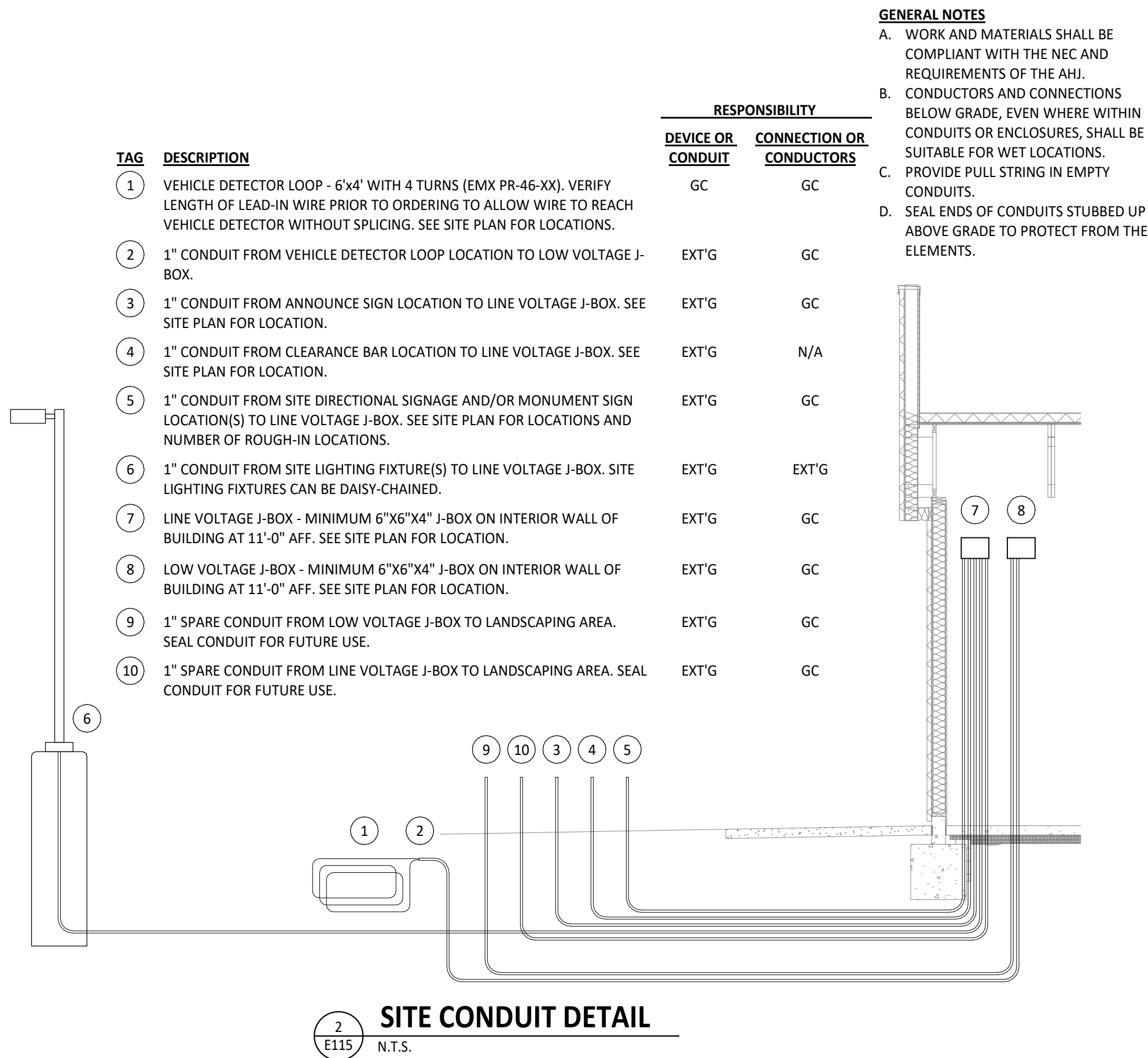
54 PROVIDE A TWO-CONDUCTOR LOW VOLTAGE WIRE IN 3/4" C. AND (4) #12, #12 N., #12 G. IN 3" C. FROM MAU-1 TO THE HOOD CONTROL PANEL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

55 PROVIDE SINGLE-GANG J-BOX FOR DATA JACK AS SHOWN FOR KRONOS TIME CLOCK.

57 PROVIDE A RECESSED J-BOX AT 48" AFF FOR THE INSTALLATION OF THE SECURITY SYSTEM KEYPAD WITH A 3/4" CONDUIT TO ABOVE THE DROP TILE CEILING IN THE OFFICE AREA. TERMINATE CONDUIT WITH A CONDUIT BUSHING.



E110



STORE NO.: 5130
North Ocoee
10700 CLARCONA OCOEE RD
SUITE 100
OCOOE, FL 34761

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3.20.2024	PERMIT SET
6.5.2024	BID SET

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Drawn:	Checked:
AJJ	AJJ

Project No.
2301190

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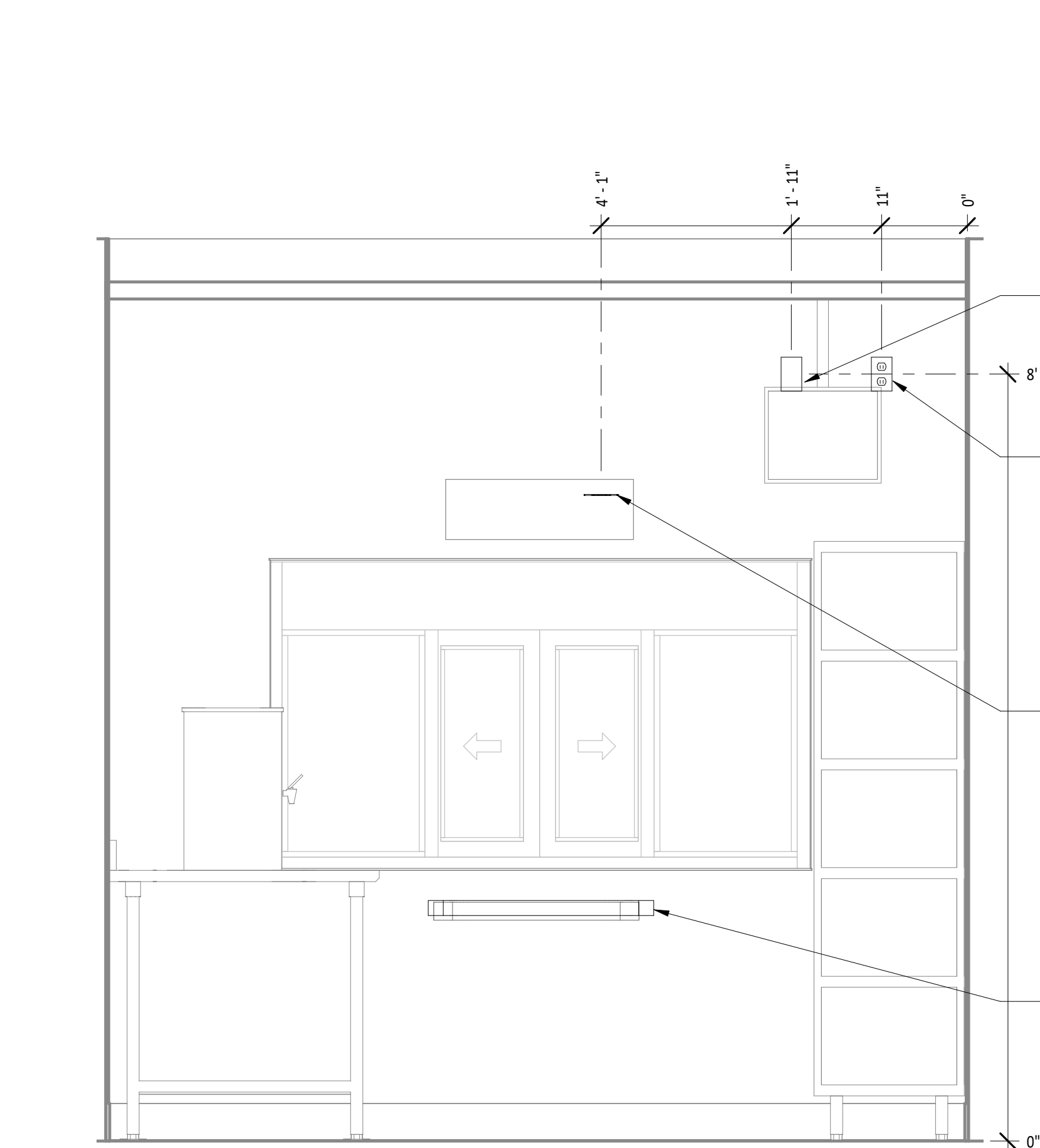
**ELECTRICAL SITE
POWER PLAN**

	CONDUIT CONCEALED ABOVE THE CEILING, IN A WALL, OR IN A RACEWAY
	CONDUIT CONCEALED BELOW THE SLAB
	PLANE RUN TO PANELBOARD AND CIRCUIT NUMBER SHOWN
	HOME NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
	DISCONNECT SWITCH: X = SWITCH RATING Y = FUSE SIZE (NF = NON-FUSED) Z = NUMBER OF POLES
	JUNCTION BOX
	ELECTRIC PANELBOARD
	GENERAL PURPOSE 1-POLE SWITCH
	MANUAL STARTER WITH PILOT LIGHT
	OCCUPANCY SENSOR ACTIVATED WALL SWITCH (MANUFACTURER: WATTS/TOPPER)
	NEMA 5-20R DUPLEX RECEPTACLE
	SECURITY CAMERA



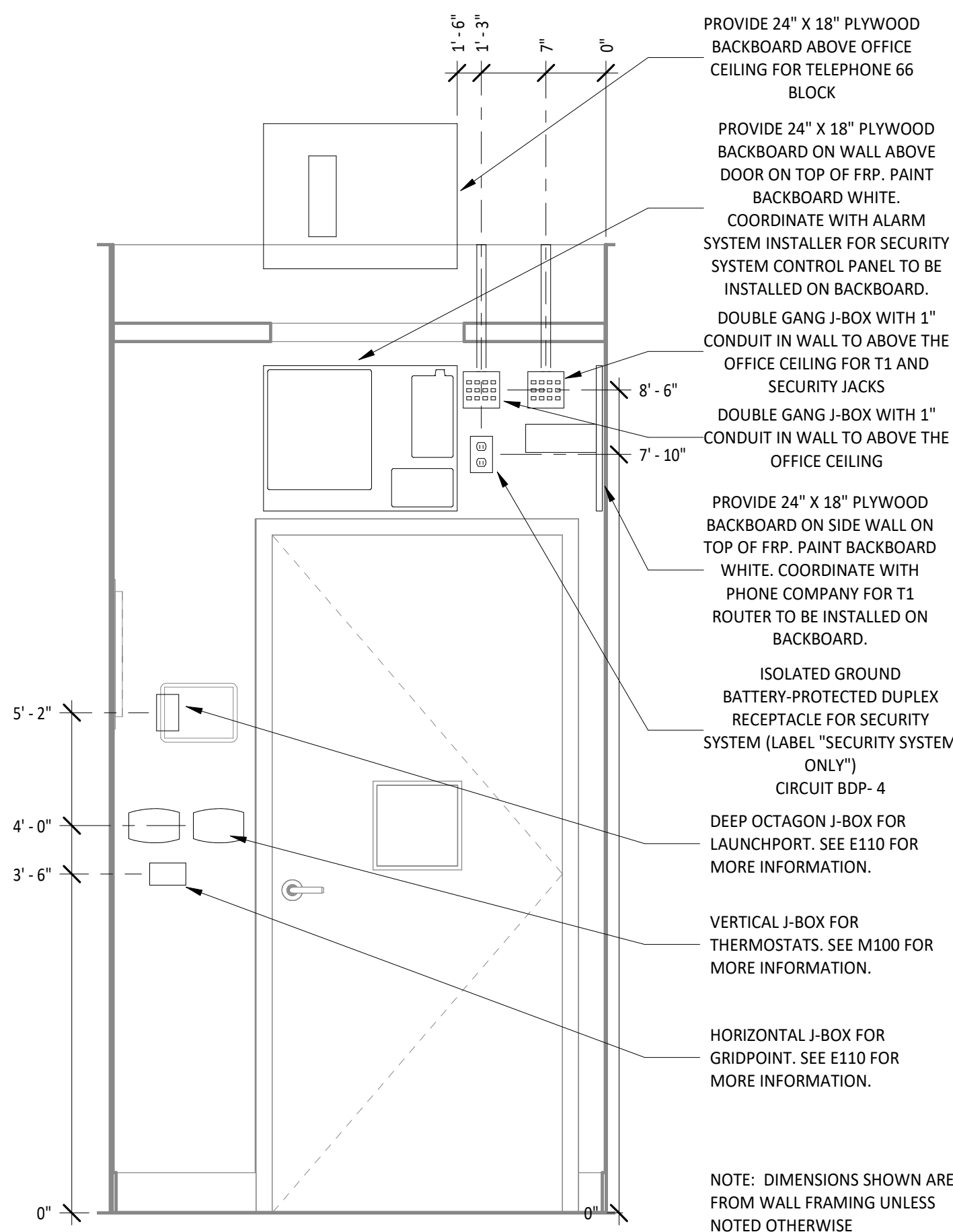
SECURITY
 1
 E120
 $1/4" = 1'-0"$

E120



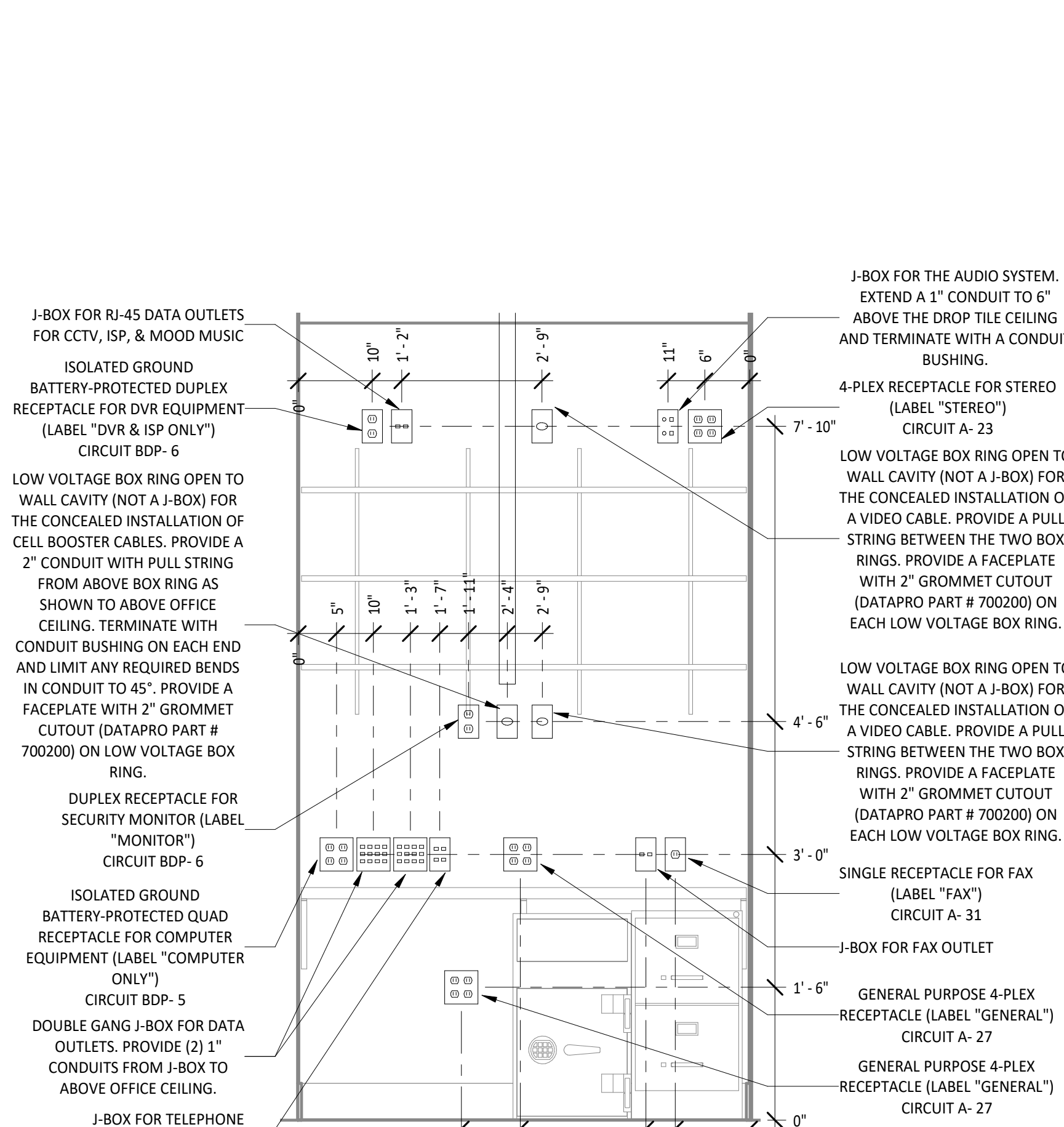
PICK UP WINDOW ELEVATION

8
E700
3/4" = 1'-0"



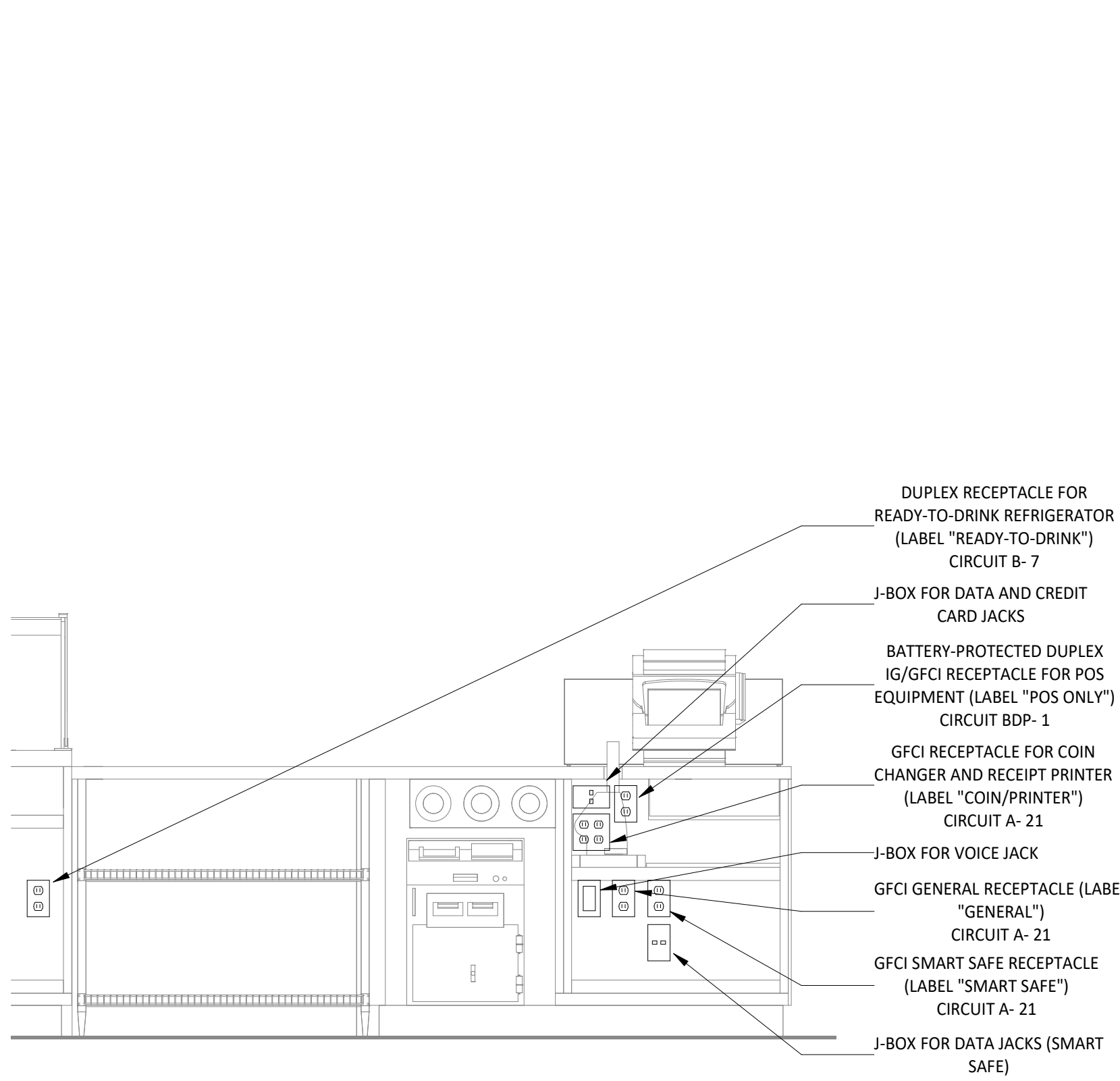
OFFICE DOOR ELECTRICAL ELEVATION

5
E700
3/4" = 1'-0"



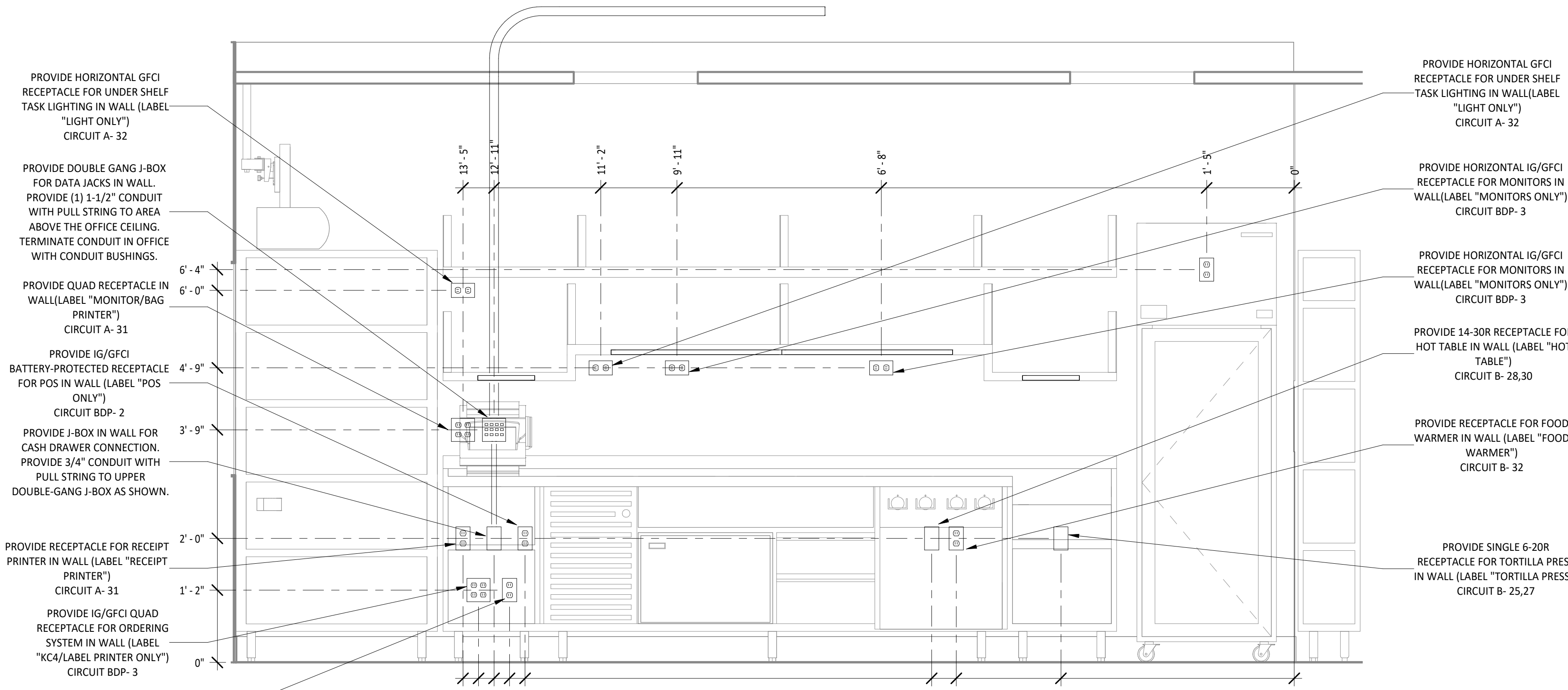
OFFICE DESK ELECTRICAL ELEVATION

4
E700
3/4" = 1'-0"



POS COUNTER ELECTRICAL ELEVATION

3
E700
3/4" = 1'-0"



SML ELECTRICAL ELEVATION

1
E700
3/4" = 1'-0"

Consultant:



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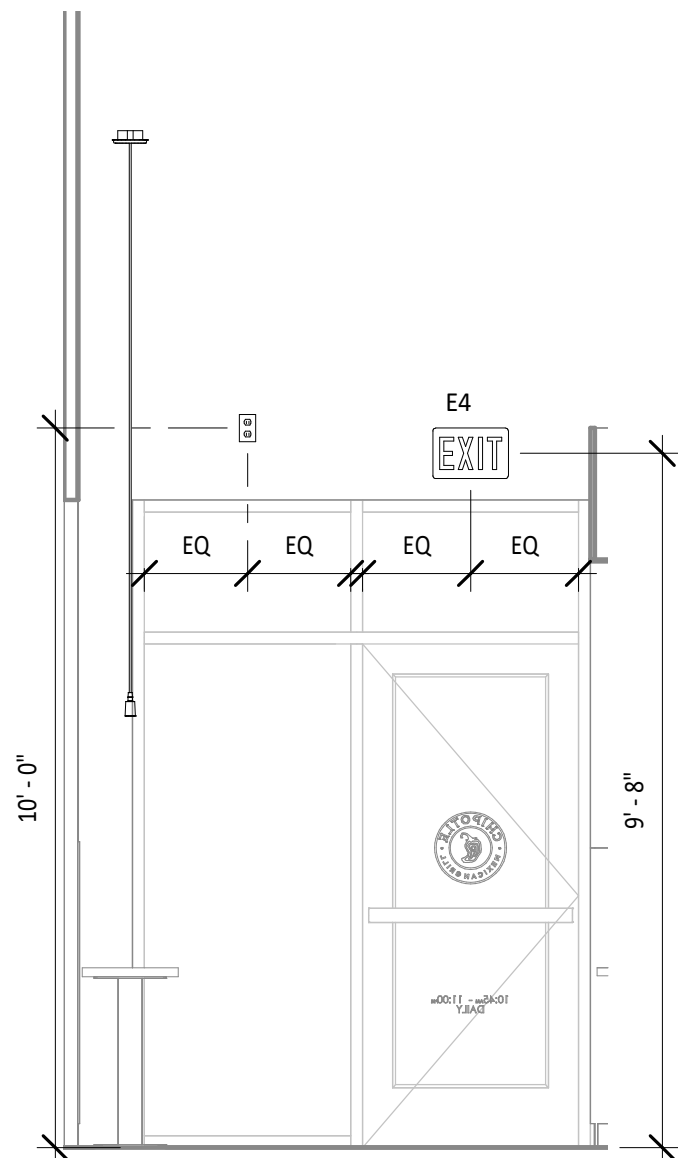
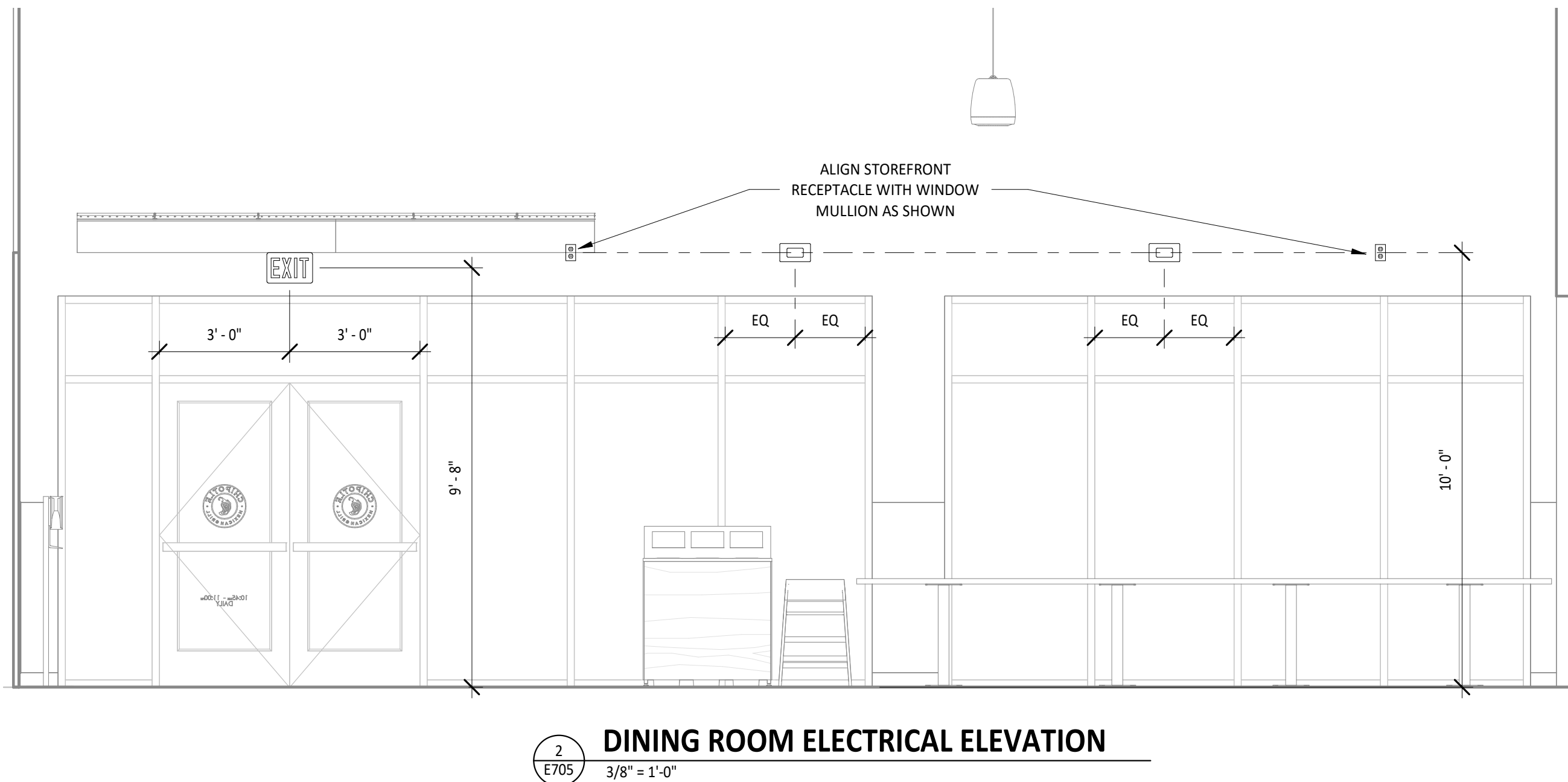
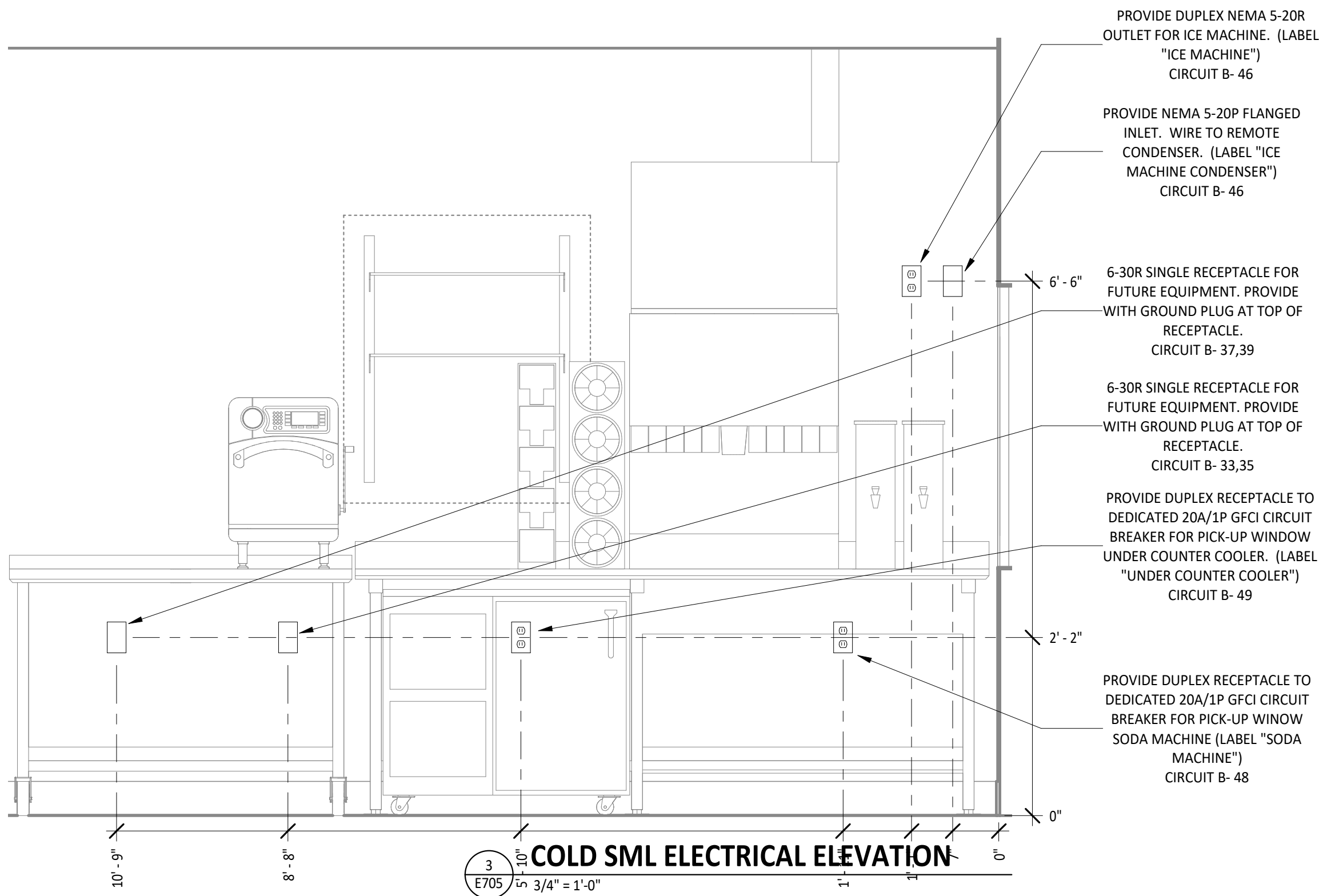
Drawn: AJJ
Checked: AJJ

Project No.
2301190

Contents:

ELECTRICAL INTERIOR
ELEVATIONS

E700



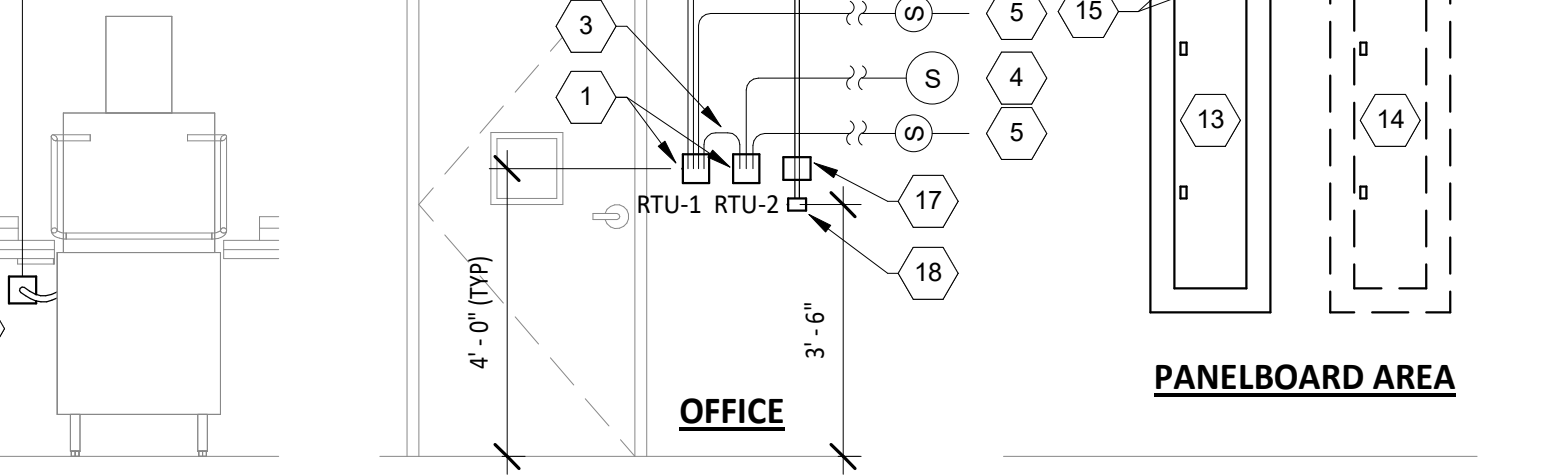
GRIDPOINT DIAGRAM NOTES

1. INSTALL GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU- 2. PROVIDE THERMOSTAT WIRING FROM EACH THERMOSTAT TO THE CORRESPONDING ROOFTOP UNIT.
2. PROVIDE CATSE CABLE FROM RTU-1 THERMOSTAT TO J-BOX #2 ABOVE ELECTRICAL PANELS (LEAVE 16" OF CABLE COILED UP INSIDE OF J-BOX #2 AND 16" BEHIND WALL OF THERMOSTAT FOR FINAL CONNECTION TO THE EMS SYSTEM BY THE TEMS) AND LABEL BOTH ENDS OF CABLE "TSTATS".
3. PROVIDE CATSE CABLE(S) BETWEEN THERMOSTATS (LEAVE 16" OF CABLE BEHIND WALL OF EACH THERMOSTAT FOR FINAL CONNECTION BY THE TEMS) AND LABEL BOTH ENDS OF CABLE "TSTAT JUMPER". SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
4. INSTALL GRIDPOINT ZONE SENSOR MODULES FURNISHED BY TEMS AS SHOWN ON HVAC FLOOR PLAN. PROVIDE 18G-24G SHIELDED TWISTED PAIR FROM ZSM TO CORRESPONDING THERMOSTAT T1 TERMINALS. SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
5. INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS AS SHOWN ON HVAC FLOOR PLAN. PROVIDE 18G-24G SHIELDED TWISTED PAIR FROM SUPPLY PROBE TO CORRESPONDING THERMOSTAT T2 TERMINALS. SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
6. PROVIDE 3/4" LIQUIDTIGHT CONDUIT FROM DISH SANITIZING MACHINE TO LOW-VOLTAGE JUNCTION BOX OR TRIM RING FLUSH MOUNTED TO WALL. PROVIDE CONTINUOUS (NOT SPLICED) CATSE CABLE FROM DISH SANITIZING MACHINE TO OFFICE (ABOVE LAY-IN CEILING) WITH 54" SLACK WITHIN THE DISH MACHINE AND 10' SLACK ABOVE THE LAY-IN CEILING. PROVIDE RJ-12 PLUG ON CABLE AT DISH MACHINE END WITH BLUE WIRE CONNECTED TO PIN 3 AND BLUE/WHITE WIRE CONNECTED TO PIN 4. LABEL CABLE ON BOTH ENDS WITH "DISHWASHER".
7. PROVIDE CATS CABLE FROM J-BOX #2 TO OFFICE ABOVE LAY-IN CEILING AND LABEL "RS-485 COMMS" ON BOTH ENDS OF THE CABLE. LEAVE 10' OF SLACK CABLE ABOVE OFFICE CEILING AND 16" OF SLACK CABLE INSIDE OF J-BOX #2.
8. PROVIDE CABLE (18-24AWG SHIELDED TWISTED PAIR) FROM J-BOX #2 TO OFFICE ABOVE LAY-IN CEILING AND LABEL "EMS POWER" ON BOTH ENDS OF THE CABLE. LEAVE 10' OF SLACK CABLE ABOVE OFFICE CEILING AND 16" OF SLACK CABLE INSIDE OF J-BOX #2.
9. PROVIDE SURFACE MOUNT 10" X 10" X 4" NEMA 1 ENCLOSURES ABOVE PANELBOARDS AND 6" BELOW CEILING.
10. PROVIDE 3/4" CONDUIT WITH INSULATING BUSHING ON END CONCEALED IN WALL FROM J-BOX #2 TO 6" ABOVE LAY-IN CEILING.
11. PROVIDE 3/4" CONDUIT(S) FROM J-BOX #1 TO J-BOX #2.
12. PROVIDE EMPTY 1" CONDUIT(S) FROM PANELBOARD(S) TO J-BOX #1 FOR FUTURE CT WIRING BY TEMS.
13. FIRST PANELBOARD FED FROM ELECTRICAL SERVICE. PROVIDE WITH (1) 20A/3-POLE CIRCUIT BREAKER (FOR GRIDPOINT 3 PHASE METER). IF PANELBOARD HAS 120V CIRCUITS AVAILABLE THEN ALSO PROVIDE (1) 20/1-POLE CIRCUIT BREAKER (FOR GRIDPOINT TRANSFORMER).
14. IF SPACE HAS MULTIPLE ELECTRICAL SERVICES THEN PROVIDE A "J-BOX #1" AND ASSOCIATED BREAKERS, CONDUITS, AND CONDUCTORS ON THE FIRST PANELBOARD FED FROM EACH ELECTRICAL SERVICE.
15. FOR EACH ELECTRICAL SERVICE PROVIDE (1) SET OF [(4) #12, #12 G.] FROM 3-POLE GRIDPOINT CIRCUIT BREAKER AND, IF THE PANELBOARD HAS 120V CIRCUITS AVAILABLE, (1) SET OF [(2) #12, #12 G.] FROM 1-POLE GRIDPOINT CIRCUIT BREAKER IN 3/4" CONDUIT CONCEALED IN WALL TO J-BOX #1. TERMINATE IN J-BOX #1 WITH 16" SLACK FOR FINAL CONNECTION BY TEMS.
16. IF THE PANELBOARD DOES NOT HAVE 120V CIRCUITS AVAILABLE PROVIDE A 1-POLE 120V 20A CIRCUIT BREAKER IN A PANEL WITH A 120V CIRCUIT AVAILABLE. PROVIDE (1) SET OF [(2) #12, #12 G.] FROM THE GRIDPOINT CIRCUIT BREAKER IN 3/4" CONDUIT CONCEALED IN WALL TO J-BOX #1. TERMINATE IN J-BOX #1 WITH 16" SLACK FOR FINAL CONNECTION BY TEMS.
17. GRIDPOINT CONTROLLER PROVIDED BY TEMS
18. PROVIDE HORIZONTAL SINGLE-GANG J-BOX BELOW FUTURE GRIDPOINT CONTROLLER LOCATION AS SHOWN. PROVIDE 3/4" CONDUIT WITH PULL STRING AND INSULATING BUSHING FROM J-BOX TO 6" ABOVE OFFICE LAY-IN CEILING.

NOTE:

ARRANGEMENT SHOWN IS
DIAGRAMMATIC - SEE PLANS FOR ACTUAL
DEVICE LOCATIONS.

WARE WASHING



PANELBOARD AREA

GRIDPOINT WIRING DIAGRAM

8
E710 N.T.S.

SEQUENCE OF OPERATIONS

- A. EMERGENCY LIGHT FIXTURES, EXIT SIGNS, LOCALLY-SWITCHED FIXTURES, AND FIXTURES DESIGNATED AS NIGHT LIGHTS ARE NOT CONTROLLED THROUGH THE RELAY PANEL.
- B. ALL TIMES NOTED SHALL BE LOCAL TIME AND SHALL AUTOMATICALLY ADJUST FOR DAYLIGHT SAVINGS TIME, IF APPLICABLE.
- C. ALL KITCHEN LIGHTING CIRCUITS AND RESTROOM EXHAUST FAN CIRCUIT (R1, R2, R7) SHALL BE ENERGIZED AT FULL POWER FROM 7:00AM UNTIL MIDNIGHT AND SHALL BE DE-ENERGIZED AT OTHER TIMES.
- D. ALL DINING ROOM LIGHTING CIRCUITS (R4, R5, R6) SHALL BE ENERGIZED FROM 10:00AM UNTIL MIDNIGHT AND SHALL BE DE-ENERGIZED AT OTHER TIMES.
- E. EXTERIOR LIGHTING/SIGNAGE RELAY (R8) SHALL BE ENERGIZED FROM ONE HOUR BEFORE SUNSET UNTIL ONE HOUR AFTER CLOSING AND SHALL BE DE-ENERGIZED AT OTHER TIMES.
- F. OVERRIDES: WHEN ONE OF THE OVERRIDE BUTTONS IS PRESSED THE SYSTEM WILL GO INTO OVERRIDE MODE FOR THE DURATION NOTED BELOW OR UNTIL THE NEXT SCHEDULED EVENT. FOLLOWING THIS PERIOD THE RELAYS WILL RETURN TO THE CURRENT SCHEDULED CONDITION. DURING THIS OVERRIDE TIME THE CORRESPONDING LAMP WILL ILLUMINATE ON THE OVERRIDE BUTTON.
- G. INTERIOR (CHANNEL 1): WHEN THE INTERIOR OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 1) RELAYS R1, R2, R4, R5, R6, AND R7 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- H. KITCHEN DIMMING (CHANNEL 2): WHEN THE KITCHEN NORMAL/DIM OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 2) RELAY R2 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- I. DINING DIMMING (CHANNEL 3): WHEN THE DINING NORMAL/DIM OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 3) RELAYS R5 AND R6 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- J. EXTERIOR (CHANNEL 4): WHEN THE EXTERIOR OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 4) RELAY R8 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- K. VERIFY THAT TIME, TIME ZONE, AND LONGITUDE/LATITUDE ARE SET CORRECTLY ON LCP. VERIFY WITH STORE OPERATIONS THAT THE ON/OFF TIMES ARE COMPATIBLE WITH THE STORE OPERATING HOURS PRIOR TO TURNOVER.

CO2 ALARM OPTIONS	
CO2 DETECTOR	X
CO2 REMOTE DISPLAY UNIT	X
REMOTE STROBE	
RELAY	

INSTALL STROBE WITH WIRING TO CO2 DETECTOR SEU OR RDU (FURNISHED BY CO2AS) (IF REQUIRED). PROVIDE 3/4" CONDUIT IN WALL FROM STROBE LOCATION TO ABOVE CEILING TO CONCEAL WIRING.

CO2 TANK (BULK TANK OR CANISTERS)
PROVIDE GFCI RECEPTACLE J-BOX ADJACENT TO THE CO2 TANK/BAG-IN-BOX AS SHOWN ON THE ELECTRICAL POWER PLAN.

RECEPTACLE
27" AFF
CO2 DETECTOR/J-BOX
18" AFF

INSTALL CO2METER RAD-0102-06 CARBON DIOXIDE STORAGE SAFETY ALARM SEU (FURNISHED BY CO2AS) ADJACENT TO THE CO2 TANK/BAG-IN-BOX AS SHOWN.

CONNECT THE SYSTEM POWER TO THE RECEPTACLE AS SHOWN. INSTALL CABLE TO MINIMIZE SLACK AT CO2 DETECTOR. SECURE CABLE TO WALL.

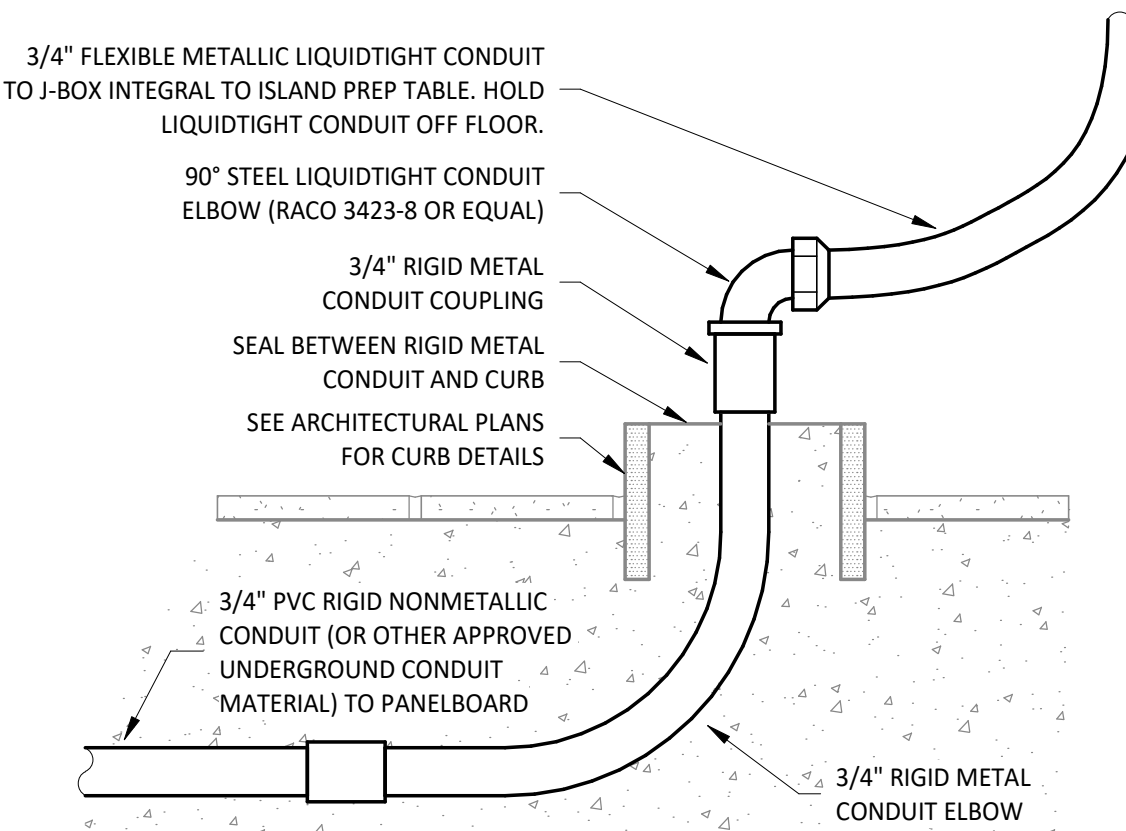
AT SEU J-BOX, INSTALL MOUNTING PLATE TO TOP SCREW HOLE OF J-BOX WITH THE MOUNTING PLATE EXTENDING UP ABOVE THE TOP OF THE J-BOX IN THE ORIENTATION SHOWN.

CO2 ALARM DETAIL

4
E710 N.T.S.

AVAILABLE FAULT CURRENT CALCULATIONS

POINT	VOLTAGE	PHASES	CONDUCTOR					F VALUE	M VALUE	AVAILABLE FAULT CURRENT
			LENGTH	# SETS	SIZE	CONDUIT TYPE	C VALUE			
A	208 V	3								23,800 A
B	208 V	3	85 FT	6	400 KCMIL CU	PVC	24,297	0.116	0.896	21,335 A
C	208 V	3	25 FT	1	600 KCMIL CU	PVC	28,033	0.158	0.863	18,417 A



PEDESTAL OUTLET DETAIL

2
E710 N.T.S.

ELECTRICAL CONNECTIONS SHALL BE ON THE OPPOSITE SIDE OF THE DISH MACHINE FROM THE 3-COMP SINK. IF THIS IS ON THE LEFT SIDE OF THE DISH MACHINE THEN LIQUID TIGHT CONDUIT SHALL BE ROUTED BEHIND THE DISH MACHINE TO THE ELECTRICAL CONNECTIONS ON THE RIGHT SIDE OF THE DISH MACHINE..

POWER FOR DISH SANITIZING MACHINE SHALL BE FED FROM A DEDICATED 2-POLE LOCKABLE CIRCUIT BREAKER. PROVIDE FINAL CONNECTION FROM J-BOX IN WALL TO DISH SANITIZING MACHINE USING LIQUIDTIGHT FLEXIBLE METAL CONDUIT.

PROVIDE CONDUITS AND WIRING FOR GRIDPOINT CONNECTION TO DSM AS SHOWN IN DETAIL 8/E710.

DISH SANITIZING MACHINE ELECTRICAL DETAIL

7
E710 N.T.S.

NOTE: EQUIPMENT SHOWN IS TYPICAL. SEE PLAN FOR ACTUAL EQUIPMENT AND LOCATIONS.

TERMINATE CONDUITS ABOVE CEILING WITH CONDUIT BUSHINGS. TYPICAL.

PROVIDE CONTINUOUS CATS CABLE WITH RJ45 CONNECTOR ON EACH END FROM THE SEU TO THE RDU AND FROM EACH STROBE TO A SEU/RDU (IF REQUIRED). CATS CABLES SHALL NOT BE SPLICED.

PROVIDE 1" CONDUITS CONCEALED IN WALL FROM SEU AND RDU J-BOX TO ABOVE THE LAY-IN CEILING. ALL CO2 MONITOR CABLING (OTHER THAN THE SEU POWER CABLE) SHALL BE CONCEALED WITHIN CONDUITS.

INSTALL CO2 ALARM RDU (FURNISHED BY CO2AS) AT ENTRANCE TO THE CO2 STORAGE AREA AS SHOWN.

CO2 REMOTE DISPLAY UNIT/J-BOX
48" AFF

PROVIDE JUNCTION BOX AT ENTRANCE TO THE CO2 STORAGE AREA AS SHOWN ON THE ELECTRICAL POWER PLAN.

AT RDU J-BOX, INSTALL MOUNTING PLATE TO TOP SCREW HOLE OF J-BOX WITH THE MOUNTING PLATE EXTENDING DOWN BELOW THE TOP OF THE J-BOX IN THE ORIENTATION SHOWN.

RDU J-BOX

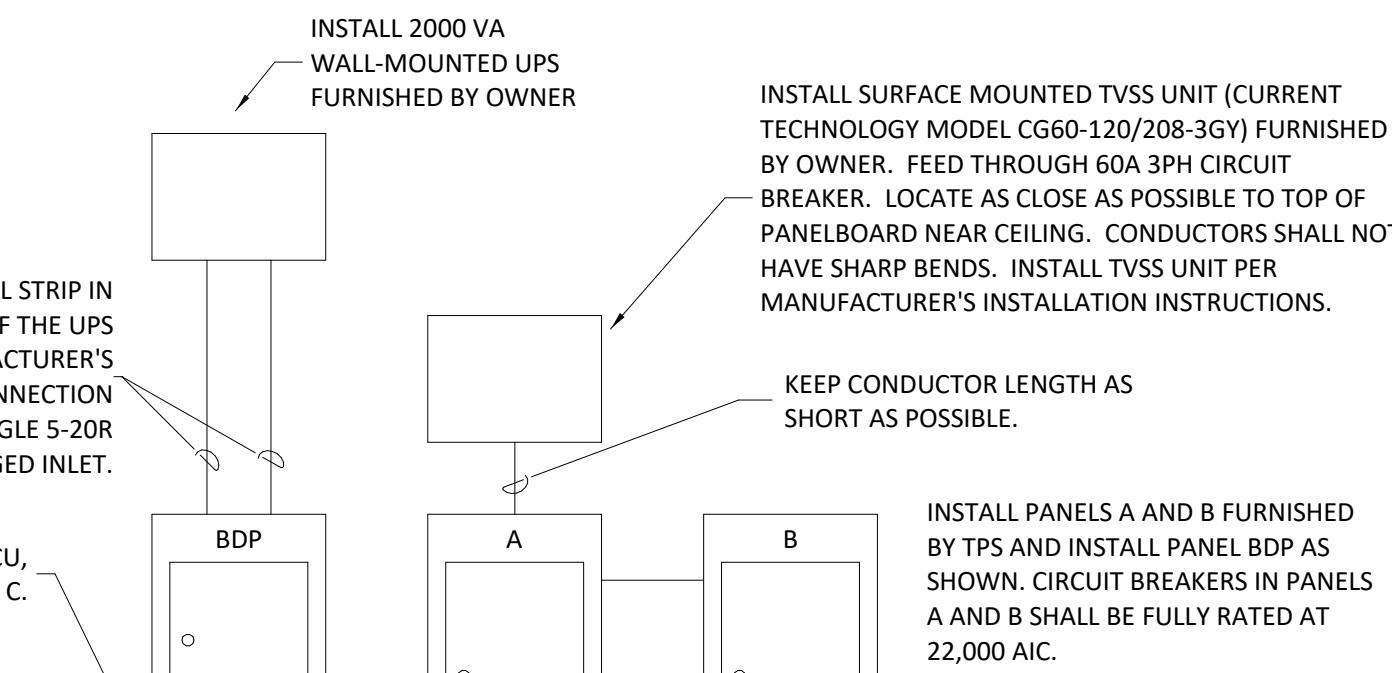
LEGEND

PREWIRED CONDUCTOR
FIELD-WIRED CONDUCTOR

NOTE
REVIEW BDP PANEL INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.

BYPASS DISTRIBUTION PANEL WIRING DIAGRAM

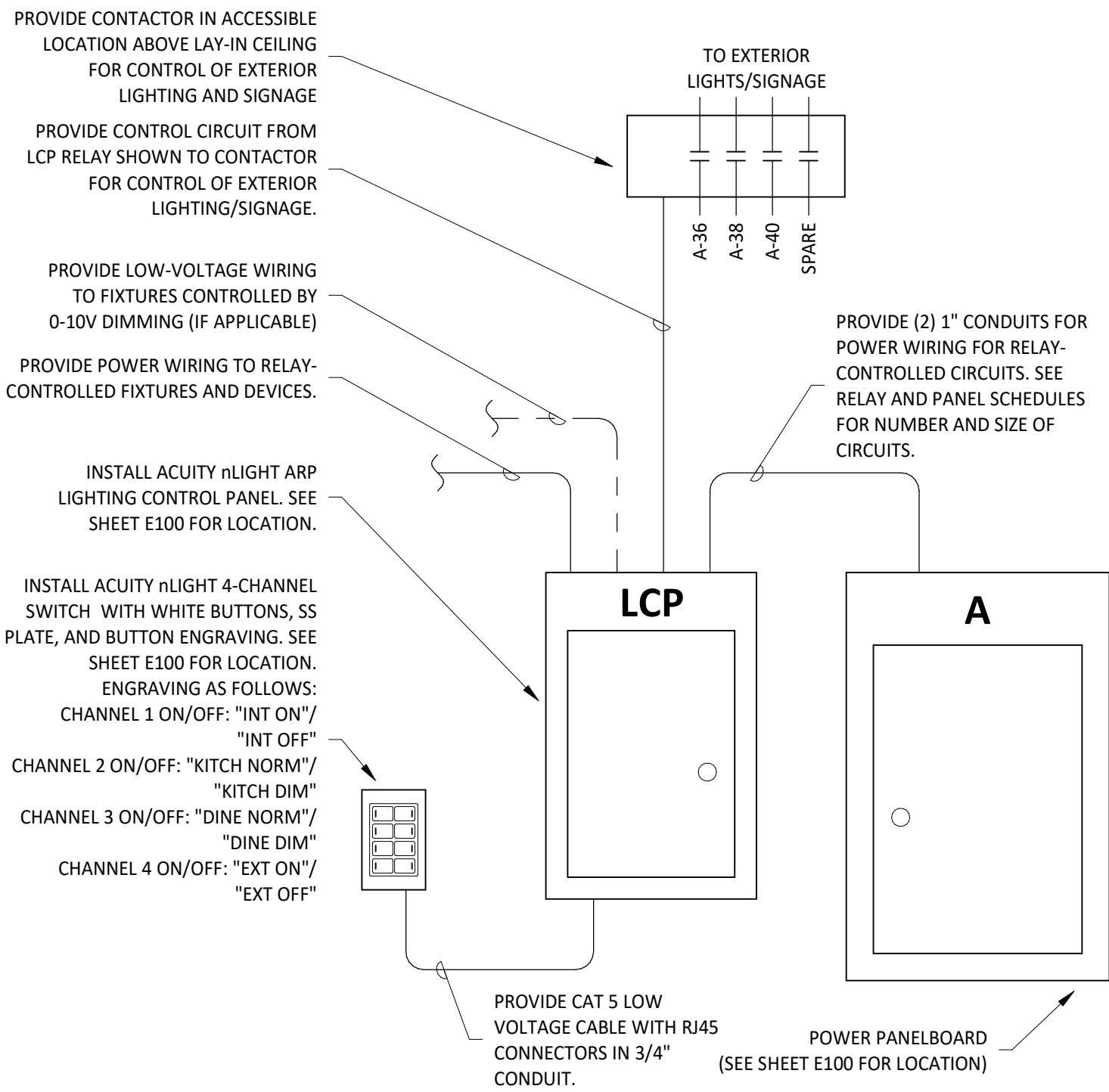
3
E710 N.T.S.



INSTALL SURFACE MOUNTED TVSS UNIT (CURRENT TECHNOLOGY MODEL CG60-120/208-3GY) FURNISHED BY OWNER. FEED THROUGH 60A 3PH CIRCUIT BREAKER. LOCATE AS CLOSE AS POSSIBLE TO TOP OF PANELBOARD NEAR CEILING. CONDUCTORS SHALL NOT HAVE SHARP BENDS. INSTALL TVSS UNIT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

KEEP CONDUCTOR LENGTH AS SHORT AS POSSIBLE.

INSTALL PANELS A AND B FURNISHED BY TPS AND INSTALL PANEL BDP AS SHOWN. CIRCUIT BREAKERS IN PANELS A AND B SHALL BE FULLY RATED AT 22,000 AIC.



INTERIOR LIGHTING CONTROL DIAGRAM

6
E710 N.T.S.

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ELECTRICAL DETAILS

E710