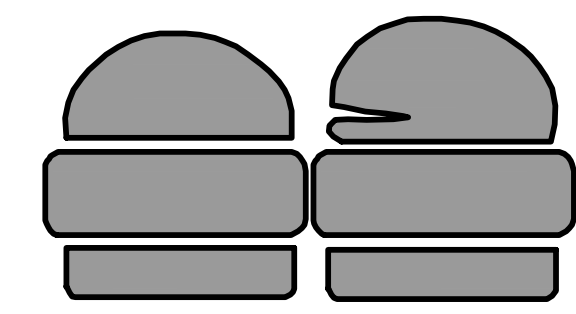


Abbreviations

A	AMPERES	JB	JUNCTION BOX
ACP	ACOUSTICAL CEILING PANEL	JT	JOINT
ADD'L	ADDITIONAL	LAV	LAVATORY
AFF	ABOVE FINISH FLOOR	LIN	LINEAR
ASF	ABOVE SUB FLOOR	LP	LOW POINT
ATS	ABOVE TOP OF SLAB	LT	LIGHT
ALT	ALTERNATE	LTG	LIGHTING
ALUM	ALUMINUM	LVL	LAMINATED VENEER LUMBER
APPROX	APPROXIMATE	MAX	MAXIMUM
BD	BOARD	MC	MECH. CONTRACTOR
BLDG	BUILDING	MCB	MAIN CIRCUIT BREAKER
BLK	BLOCK	MECH	MECHANICAL
BLKG	BLOCKING	MFR	MANUFACTURE (R) (ING)
BM	BEAM	MIN	MINIMUM
B.O.	BOTTOM OF	MISC	MISCELLANEOUS
BRG	BEARING	MLO	MAIN LUGS ONLY
B'	BOTTOM OF	MO	MASONRY OPENING
C	CONDUIT	MT	MOUNT
CB	CIRCUIT BREAKER	MTD	MOUNTED
C/C	CENTER TO CENTER	MTGHT	MOUNTING HEIGHT
CJ	CONSTRUCTION JOINT	MTL	METAL
CKT	CIRCUIT	N	NORTH OR NEUTRAL
CLG	CEILING	NEC	NATIONAL ELECTRIC CODE
CLR	CLEAR	NIC	NOT IN CONTRACT
CNTR	CENTER	NO or #	NUMBER
CMU	CONCRETE MASONRY UNIT	NOM	NOMINAL
CO	CLEAN OUT	NTS	NOT TO SCALE
COL	COLUMN	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONSTR	CONSTRUCTION	OPNG	OPENING
CONTR	CONTRACTOR	OPP	OPPOSITE HAND
CONT	CONTINUOUS	PC	PLUMB. CONTRACTOR
DET	DETAIL	PLMB	PLUMBING
DIA	DIAMETER	PLYWD	PLYWOOD
DIM	DIMENSION	PNL	PANEL
DN	DOWN	PNLBD	PANEL BOARD
DS	DOWNSPOUT	PREFAB	PREFABRICATED
DW	DRY WALL	PROJ	PROJECT
DWG	DRAWING	PVC	POLYVINYL CHLORIDE
EA	EACH	R	RADIUS
EAC	ELEC. CONTRACTOR	R	RISER
EF	EXHAUST FAN	RD	ROOF DRAIN
EL	ELEVATION	RECEPT	RECEPTACLE
ELEC	ELECTRIC (AL)	REINF	REINFORCING
ELEV	ELEVATOR	REQ'D	REQUIRED
EM	EMERGENCY	RES	RESILIENT
EPS	EXPANDED POLYSTYRENE	REV	REVISION
EQUIP	EQUIPMENT	RM	ROOM
EW	EACH WAY	RO	ROUGH OPENING
EWG	ELECTRIC WATER COOLER	RTU	ROOF TOP UNIT
EWH	ELECTRIC WATER HEATER	SECT	SECTION
FA	FIRE ALARM	SHT	SHEET
FD	FLOOR DRAIN	SIM	SIMILAR
FFE	FINISH FLOOR ELEVATION	SPEC	SPECIFICATIONS
FIN	FINISH	STL	STEEL
FLR	FLOOR	STRUCT	STRUCTURAL
FT	FEET	STRL	STRUCTURAL
FTG	FOOTING	TEL	TELEPHONE
GALV	GALVANIZED	T & B	TOP AND BOTTOM
GC	GENERAL CONTRACTOR	T & G	TONGUE AND GROOVE
GFI	GROUND FAULT INTERRUPTER	T	TREAD
GND	GROUND	T.O.	TOP OF
GWB	GYPSTUM WALLBOARD	TYP	TYPICAL
HDW	HARDWARE	UON	UNLESS OTHERWISE NOTED
HM	HOLLOW METAL	V	VOLTS
HORIZ	HORIZONTAL	VCT	VINYL COMPOSITION TILE
HP	HIGH POINT OR HORSE POWER	VERT	VERTICAL
HT	HEIGHT	VWC	VINYL WALL COVERING
HVAC	HEATING/VENTILATION/AIR CONDITIONING	WC	WATER CLOSET
ID	INSIDE DIAMETER	WD	WOOD
IN	INCH	WH	WATER HEATER
INFO	INFORMATION	WP	WATER PROOF
INSUL	INSULATION	WR	WATER RESISTANT
INT	INTERIOR	W/	WITH
INV	INVERT	W/O	WITHOUT
		WWF	WELDED WIRE FABRIC

CONTRACTOR NOTE:

- ARCHITECT IS NOT RESPONSIBLE FOR ANY BIDDING OR AWARDED OF CONTRACTS, ALL INQUIRES ARE TO BE DIRECTED TO THE PROJECT OWNER.
- THESE PLANS ARE FORBIDDEN ON ALL PLAN ROOM WEBSITES
- IF A CONTRACTOR FINDS ANY CONFLICTING INFORMATION WITHIN THESE DOCUMENTS DURING THE BIDDING PROCESS A WRITTEN REQUEST FOR INFORMATION (RFI) MUST BE SENT TO THE ARCHITECT AT THE EMAIL ON THESE PLANS; IF NOT, THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE WORST CASE SCENARIO.



Burgerim

ALWAYS MORE THAN ONE

BURGERIM

Toco Hills Shopping Center

Sheet Index

T101	TITLE SHEET
LS1	LIFE SAFETY PLAN
A101	ARCHITECTURAL FLOOR PLAN
A102	EXTERIOR ELEVATIONS
A201	EQUIPMENT PLAN & SCHEDULE
A301	FINISH SCHEDULE
A401	INTERIOR FINISH ELEVATIONS
A402	TYP. RESTROOM PLAN & DETAILS
A403	ARCHITECTURAL DETAILS
M101	MECHANICAL AIR DISTRIBUTION PLAN
M102	HOOD PLAN AND DETAILS
M103	HOOD & EXHAUST DETAILS
M104	HOOD & EXHAUST DETAILS
E101	ELECTRICAL LIGHTING & POWER PLAN
E102	ELECTRICAL SPECIFICATIONS
P101	PLUMBING PLAN
P102	PLUMBING DETAILS

Code Review Summary

Building Codes:

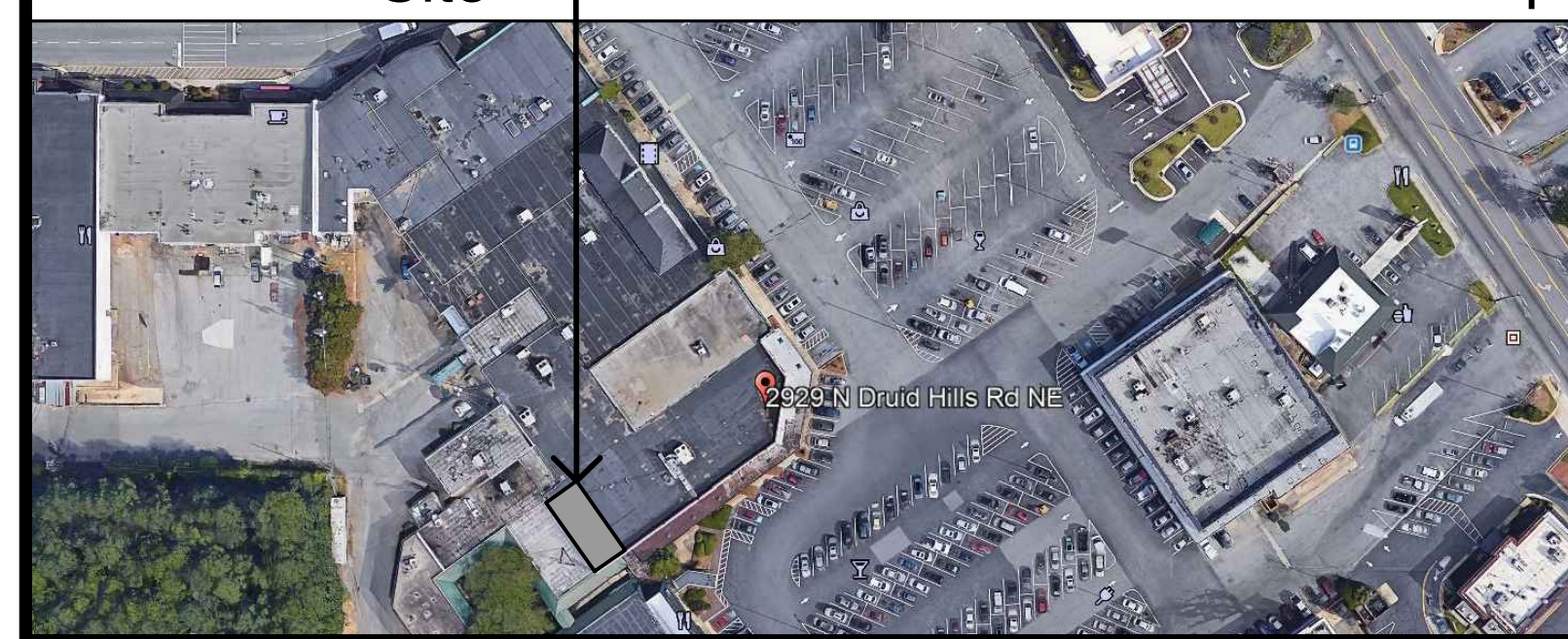
- ICC International Building Code (IBC), 2012 Edition, with Georgia Amendments (2014) (2015) (2017) (2018)
- ICC International Energy Conservation Code (IECC), 2009 Edition, with Georgia Supplements and Amendments (2011) (2012)
- ICC International Fire Code (IFC), 2012 Edition, with Georgia Amendments (2014)
- ICC International Fuel Gas Code (IFGC), 2012 Edition, with Georgia Amendments (2014) (2015)
- ICC International Mechanical Code (IMC), 2012 Edition, with Georgia Amendments (2014) (2015)
- ICC International Plumbing Code (IPC), 2012 Edition, with Georgia Amendments (2014) (2015)
- ICC International Residential Code for One- and Two- Family Dwellings (IRC), 2012 Edition, with Georgia Amendments (2014) (2015) (2018)
- National Electrical Code, 2017 Edition (No Georgia Amendments)

TYPE OF CONSTRUCTION: TYPE -3B- (UNPROTECTED)
 BURGERIM: 1,476 SF. Leasible: 1,382 SF gross occupiable
 USE GROUP: B-Business (A-2 under 50 people)
 KITCHEN OCCUPANCY LOAD: 672/200 SFPP = 4 people
 SEATING OCCUPANCY LOAD: 505/15 = 33 people
 OCCUPANCY LOAD TOTAL = 37 people

G.C. NOTE:

GENERAL CONTRACTOR IS TO HIRE A PROFESSIONAL LICENSED SPRINKLER CONTRACTOR TO PROVIDE ALL MODIFICATIONS, DRAWINGS AND CALCULATIONS NECESSARY FOR THE NEW CONSTRUCTION. V.I.F. FOR EXISTING CONDITIONS.

Site Location Map



Project General Notes

- ALL WORK SHALL CONFORM TO THE CODES LISTED HEREIN, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY.
- IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. 1997 EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO SUBMISSION OF BID IN THE FORM OF A "REQUEST FOR INFORMATION". FAILURE TO DO SO WILL BE AT THE EXPENSE OF THE CONTRACTOR
- ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION
- G.C. IS RESPONSIBLE FOR SUBMITTAL, PAYING FEES AND OBTAINING ALL PERMITS ASSOCIATED WITH THE PROJECT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, ENCROACHMENT PERMIT, ETC. G.C. REQUIRED TO PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THESE PLANS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO SUBMISSION OF BID. A SUBMISSION OF BID SHALL IMPLY THAT THE CONTRACTOR HAS ACCEPTED THE DRAWINGS AND EXISTING CONDITIONS HAVING BEEN FIELD VERIFIED BY SAME.
- NOTE TO BIDDERS, PLANS WITH THE LAST DATE STATING PERMITS ARE TO BE CONSIDERED FOR BIDDING PURPOSES AND ADDITIONAL INFORMATION FROM THE MUNICIPALITIES MAY BE ADDED TO THE PLANS PRIOR TO THEM BEING ISSUED FOR CONSTRUCTION. SUCCESSFUL BIDDER IS RESPONSIBLE TO CONTACT THE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION TO OBTAIN THE APPROVED SET OF PLANS.
- SITE SUPERINTENDENT MUST BE PRESENT THE FIRST DAY ANY SUBCONTRACTOR IS ONSITE TO ENSURE SCOPE OF WORK IS UNDERSTOOD AND FOLLOWED.



7580 48th Street, S.E.
Grand Rapids, MI, 49512
P. 616.634.2253
Glenn@rdc-llc.com

BURGERIM
TOCO HILLS SHOPPING CENTER
2929 N. Druid Hills Rd., Suite F,
Atlanta, GA 30329

DATE	ISSUED FOR:
07/03/2019	REVIEW
07/23/2019	Construction
09/26/2019	HVAC



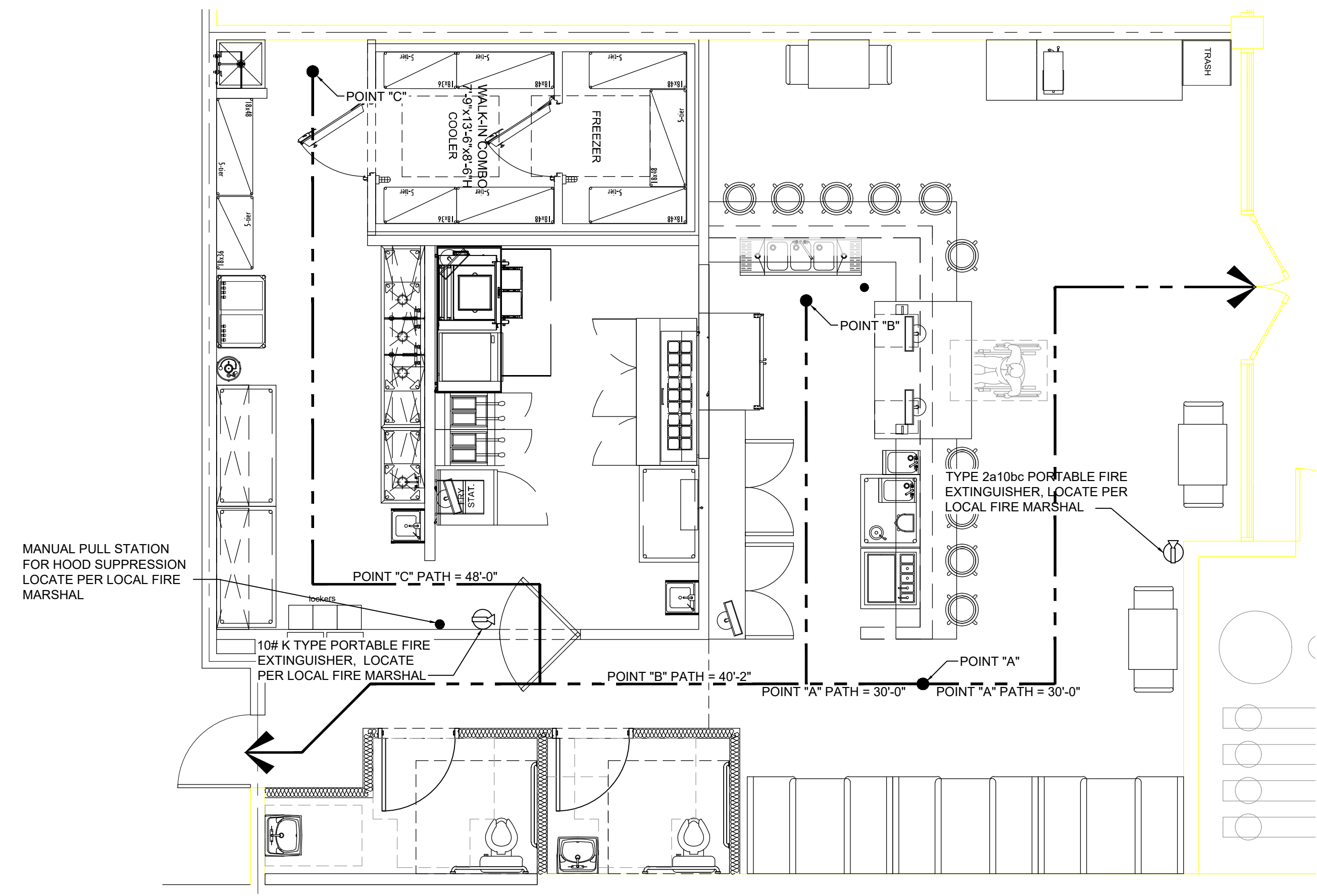
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T101

DATE	ISSUED FOR:
07/03/2019	REVIEW
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1 LIFE SAFETY PLAN
LS1 SCALE: 1/4" = 1'-0"

FIRE DEPARTMENT NOTES

- 1. ADDRESS NUMBERS:** APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION SHALL BE PLACED IN A POSITION THAT IS PLAINLY LEGIBLE AND VISIBLE FROM THE STREET, ROAD, ALLEY, AND WALKWAYS GIVING ACCESS TO AND WITHIN THE PROPERTY. THESE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS. NUMBERS SHALL BE A MINIMUM OF SIX (6) INCHES (152 MM) HIGH WITH A MINIMUM STROKE WIDTH OF 0.5 INCH (12.7 MM) AND SHALL BE ILLUMINATED IN AN APPROVED MANNER (IF NUMBERS ARE ON THE EXTERIOR), NUMBER HEIGHT AND STROKE WIDTH SHALL BE INCREASED AS NEEDED FOR LEGIBILITY BASED ON VISIBILITY DISTANCE.
- 2. KNOX BOX:** MOUNTING HEIGHT FOR THE KNOX BOX AND/OR KEY SWITCH SHALL NOT EXCEED SIX (6) FEET ABOVE THE FINISHED FLOOR (ELEVATED OFF CABINET FLOOR). THREE (3) SETS OF KEYS (WITH PERMANENT ENGRAVED IDENTIFICATION) FOR ALL EXTERIOR DOORS, GATES, FIRE ALARM PANEL, AND OTHERS AS DIRECTED BY THE FIRE INSPECTOR.
- 3. FIRE EXTINGUISHERS:** PROVIDE A FIRE EXTINGUISHER (MINIMUM 2A-10BC) WITHIN A RECESSED OR SEMI-RECESSED CABINET WITHIN 75 FEET TRAVEL DISTANCE FROM ALL POINTS IN THE OCCUPANCY. THE EXTINGUISHER SHALL BE MOUNTED ON A HOOK WITHIN THE CABINET (ELEVATED OFF CABINET FLOOR). THE TOP OF THE EXTINGUISHER SHALL BE NO HIGHER THAN 48 INCHES (1219 MM) ABOVE THE FLOOR. EXTINGUISHER SHALL BE PLACED IN A EASILY ACCESSIBLE LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE.
- 4. FIRE SPRINKLERS:**
 - EXISTING SYSTEM:** FOR TENANT IMPROVEMENT PROJECTS, EXTEND/MODIFY THE EXISTING BUILDING'S AUTOMATIC FIRE SPRINKLER SYSTEM TO PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT THE ADDITION OR REMODELED AREA OF WORK. ALTERATIONS TO THE FIRE SPRINKLER SYSTEM SHALL BE APPROVED UNDER SEPARATE PERMIT. PLANS AND PERMIT APPLICATION SHALL BE SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THE BUILDING PERMIT.
 - NEW SYSTEM:** A COMPLETE AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT THE STRUCTURE IN ACCORDANCE WITH THE RECOMMENDATIONS OF NFPA 13 AND THE REQUIREMENTS OF THE GLENDALE FIRE DEPARTMENT. PLANS AND PERMIT APPLICATION SHALL BE SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THE BUILDING PERMIT. RISER AND ALL SPRINKLER PIPING SHALL BE CONCEALED; NO EXPOSED PIPING ON EXTERIOR PERMITTED. QUICK RESPONSE SPRINKLER HEADS ARE REQUIRED THROUGHOUT THE STRUCTURE UNLESS CONTRA-INDICATED. FLAT CONCEALED SPRINKLER HEADS ARE REQUIRED IN ALL HABITABLE AREAS.
- 5. FIRE ALARM:**
 - EXISTING SYSTEMS:** EXTEND/MODIFY THE EXISTING BUILDING'S FIRE ALARM SYSTEM TO PROVIDE COMPLETE PROTECTION THROUGHOUT THE ADDITION OR REMODELED AREA OF WORK. ALTERATIONS TO THE FIRE ALARM SYSTEM SHALL BE APPROVED UNDER SEPARATE PERMIT. FIRE ALARM PLANS SHALL BE SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THE BUILDING PERMIT BY THE CONTRACTOR IN POSSESSION OF THE UNDERWRITERS LABORATORIES CERTIFICATE FOR THE BUILDING.
 - NEW SYSTEMS:** PROVIDE A FIRE ALARM SYSTEM CAPABLE OF NOTIFYING THE OCCUPANTS, AUDIBLY AND VISUALLY, UPON ACTIVATION OF THE AUTOMATIC FIRE SPRINKLER SYSTEM. THE FIRE ALARM SYSTEM SHALL BE INSTALLED BY A UNDERWRITERS LABORATORIES (UL) LISTED FIRE ALARM INSTALLATION COMPANY. UPON COMPLETION OF THE INSTALLATION A SERIALIZED CERTIFICATE SHALL BE ISSUED IN ACCORDANCE WITH THE LISTING AGREEMENT BETWEEN THE INSTALLER AND UNDERWRITERS LABORATORIES. PLANS AND PERMIT APPLICATION SHALL BE SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THE BUILDING PERMIT. WORK ON THE FIRE ALARM SYSTEM SHALL BE DONE ONLY BY A QUALIFIED UL LISTED FORM ALARM CONTRACTOR WHO WILL PROVIDE THE GLENDALE FIRE DEPARTMENT WITH A COPY OF A UL CERTIFICATE CERTIFYING PROPER INSTALLATION OF THE SYSTEM AND MINIMUM ONE (1) YEAR TESTING AND MAINTENANCE AGREEMENT PRIOR TO FINAL INSPECTION. SUCH SYSTEM SHALL BE MONITORED BY A UL LISTED CENTRAL STATION IN ACCORDANCE WITH CURRENT CFC CHAPTER 9. (AS APPLICABLE.)

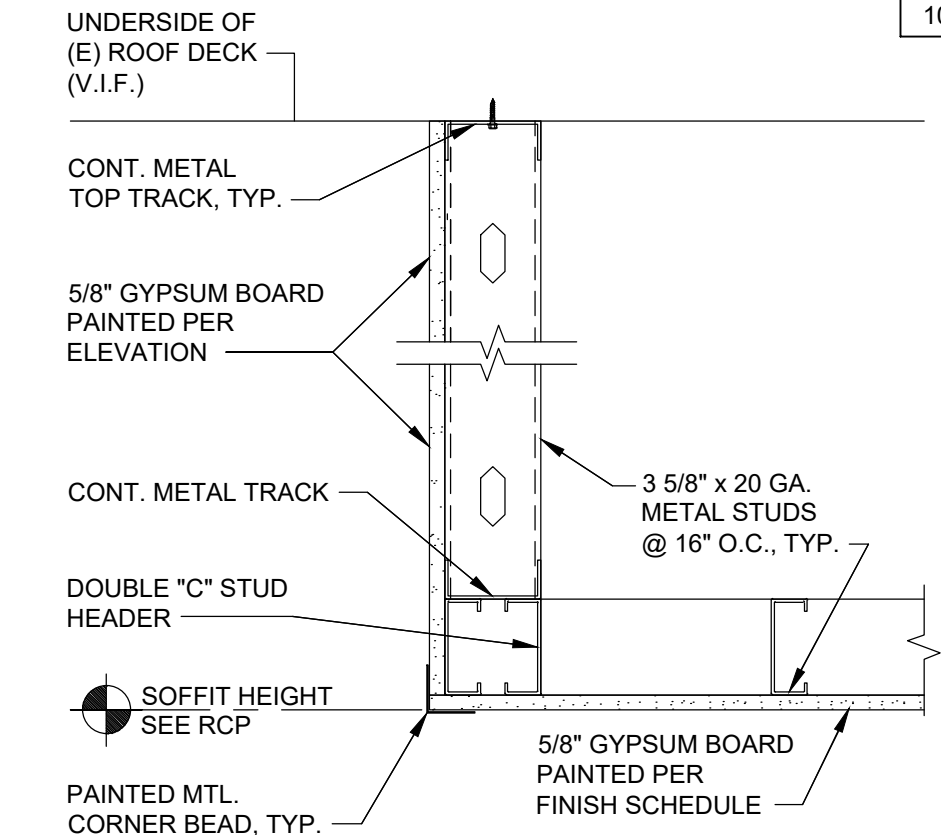
- 6. EMERGENCY LIGHTING:** EMERGENCY LIGHTING SHALL COMPLY WITH THE PROVISIONS OF CURRENT IBC 1009. THE MEANS OF EGRESS ILLUMINATION SHALL NOT BE LESS THAN ONE (1) FOOT-CANDLE AT THE WALKING SURFACE LEVEL. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE ALL AREAS PER CODE.
- 7. EXIT SIGNS:** EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. BE ILLUMINATED AT ALL TIMES AND COMPLY WITH PROVISIONS OF THE CURRENT IBC 1013.
- 8. DOOR OPERATIONS:** ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT KEY, SPECIAL KNOWLEDGE, OR EFFORT. THE UNLATCHING OF ANY EXIT DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.
- 9. LOCKS AND LATCHES:** THE LOCKING DEVICE FOR THE MAIN EXTERIOR EXIT DOOR(S) SHALL BE READILY DISTINGUISHABLE AS LOCKED. DOOR SHALL ALSO HAVE A VISIBLE DURABLE SIGN STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN LETTERS ONE INCH HIGH ON CONTRASTING BACKGROUND (ABOVE THE DOOR); POSTED ON THE EGRESS SIDE OR ADJACENT TO THE DOOR. (AS APPLICABLE.)
- INSTALLATION OF HOOD FIRE SUPPRESSION SYSTEMS SHALL BE APPROVED UNDER SEPARATE PERMIT.
- ADDITIONAL PERMITS: PRIOR TO FINAL INSPECTION, THE FOLLOWING ANNUAL PERMITS ARE REQUIRED FROM THE FIRE DEPARTMENT:
 - HAZARDOUS MATERIALS
 - KITCHEN HOOD EXTINGUISHING SYSTEM
 - HAZARDOUS MATERIALS

EGRESS NOTES

- EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.
- EXIT SIGNS ILLUMINATED BY AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES (54 LUX).
- INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURE'S INSTRUCTIONS AND SECTION 2702.
- EXIT SIGN SHALL BE ILLUMINATED AT ALL TIMES.(1013.5)
- EXITS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS (1013.6.3)
- EGRESS DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. SEE 1010.1.9 FOR EXCEPTIONS.
- DOOR HANDLES, LOCK AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MIN. 34" AND MAX 48" ABOVE THE FINISHED FLOOR.
- THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED.
- ALL EGRESS DOOR OPERATION SHALL ALSO COMPLY WITH SECTION 1010.
- THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS OCCUPIED.
- THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT WALKING SURFACE.
- THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES' ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:
 - ASILES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS.
 - CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.;
 - EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS
 - INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1028.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
 - EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1010.1.6, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
- THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 2702.
- EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE (11 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOT-CANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 FOOT-CANDLE (6 LUX) AVERAGE AND A MINIMUM AT ANY POINT OF 0.06 FOOT-CANDLE (0.6 LUX) AT THE END OF THE EMERGENCY LIGHTING TIME DURATION. A MAXIMUM-TO MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED.

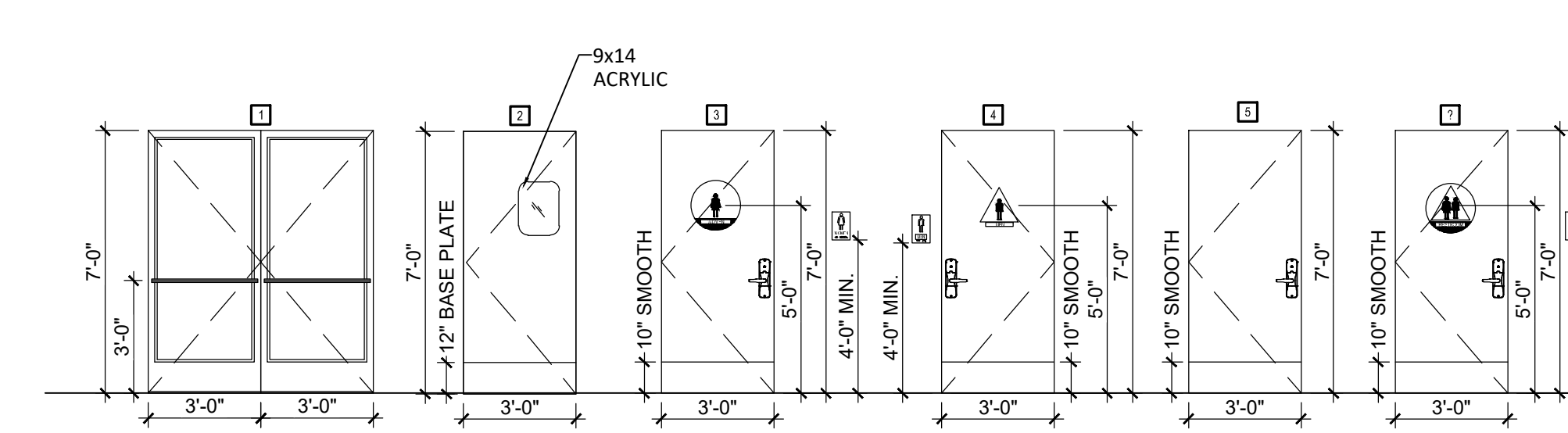
DOOR NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE WORKING DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE DESIGNER OF ANY DISCREPANCIES PRIOR TO COMMENCEMENTS OF ANY WORK IN THE EVENT OF FAILURE TO DO SO THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERROR.
- PROVIDE HARDWARE AND ACCESSORIES AS REQUIRED FOR RATED AND MINERAL CORE DOORS.
- CHECK DOOR SCHEDULE FOR DOOR THICKNESS, DETAILS OF TRIM CLEARANCES FOR HINGES, STRIKES, CLOSERS, FASTENER REQUIREMENTS, AND FIRE RATING REQUIREMENTS.
- ALL NEW DOORS SHALL RECEIVE LEVER HARDWARE (SEE HARDWARE SCHEDULE) UNLESS NOTED OTHERWISE. HARDWARE SHALL BE IN COMPLIANCE WITH CALIFORNIA STATE HANDICAPPED REGULATIONS TITLE 24.
- MAXIMUM ALLOWABLE DOOR CLOSER PRESSURE:
 - INTERIOR DOORS: 5 POUNDS
 - EXTERIOR DOORS: 5 POUNDS
 - FIRE DOORS: 15 POUNDS
- ALL LABELED DOORS SHALL BE TIGHT-FITTING WITH A GASKET SO INSTALLED AS TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP.
- GENERAL CONTRACTOR SHALL PROVIDE MANUFACTURERS' CERTIFICATION THAT GLAZING ON DOORS AND WITHIN 4'-0" OF DOORS SHALL COMPLY WITH APPLICABLE CONSUMER PRODUCT SAFETY STANDARDS.
- THE CONTRACTOR SHALL DEVELOP AND SUBMIT TO THE DESIGNER FOR APPROVAL AND COMPLETE SCHEDULE OF FINISH HARDWARE, INDICATING THE QUANTITY, PART NUMBER, INSTALLATION, LOCATION AND FINISH OF EACH ITEM AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION. BID PRICE SHALL BE BASED ON THE HARDWARE SCHEDULE.
- HARDWARE SCHEDULE SHALL INCLUDE BUT NOT NECESSARILY BE LIMITED TO: BUTTS, LOCKSETS, LATCHSETS, CLOSERS, WEATHERSTRIPPING, PANIC HARDWARE, FLOOR HINGES, PIVOTS, KICKPLATES, PULLS, STOPS, ANCHORS, WALL BUMPERS, THRESHOLDS, DOOR SHOES AND MUTES.
- ALL DOORS TO HAVE INDIVIDUAL KEYS, STAMPED WITH ROOM NUMBER WITH ONE MASTER KEY. CONTRACTOR TO SUBMIT 4 SETS OF EACH PRIVATE OFFICE DOOR AND 6 SETS OF KEYS FROM EACH AUXILIARY ROOM.
- PROVIDE TENANT AN INDIVIDUAL KEY FOR ROOMS WITH "T" STAMPED ON THE KEY.
- ALL LOCKS MUST BE KEYED TO A MASTER KEY WHICH IS TO BE STAMPED K1 QUANTITY OF 10 MASTER KEYS ARE REQUIRED.
- CONTRACTOR TO PREP AND REWORK AND DRILL EXISTING DOORS AS WELL AS NEW DOORS TO RECEIVE SECURITY HARDWARE WHEN APPLICABLE.
- EXTERIOR HINGED DOORS AND FOLDING DOORS SHALL REQUIRE NOT MORE THAN 5 POUNDS FORCE TO OPEN. (11B-404.2.9 CBC)



5 TYP. GWB CLG./ SOFFIT
A101 SCALE: 3' = 1'-0"

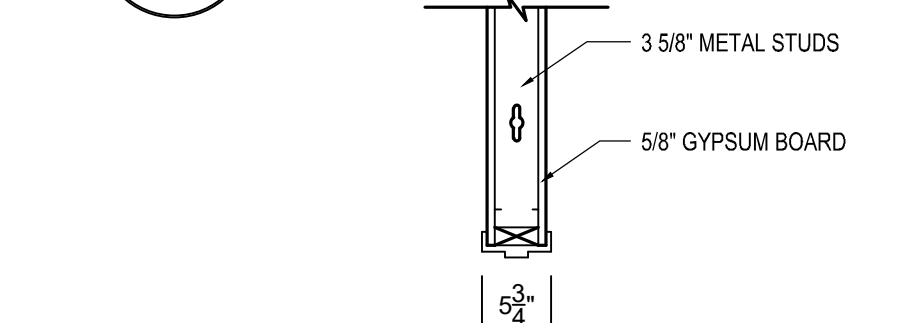
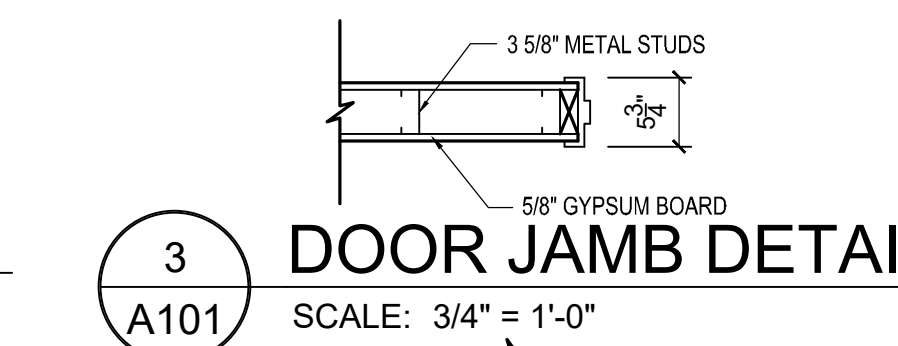
MARK	SIZE	DOOR SCHEDULE													REMARKS											
		DOOR		FRAME		HARDWARE					JAMB	HEAD														
		MATERIAL	FINISH	MATERIAL	FINISH	HINGES	LATCHES	MISC.																		
		DOOR TYPE DETAIL	ALUM./GLASS	HOLLOW METAL	ALUM.	PANT-BLACK SEMI-GLOSS	PANT-BLACK-MATTE	ALUM.	HOLLOW METAL	STAINLESS STEEL	ALUM.	BLACK PAINT	BUTT	KEYED LOCK SET	EXIT/PANIC DEVICE	PRIVACY SET	DOORSTOP THRESHOLD	WEATHERSTRIPPING	CLOSER	DOOR BUZZER	KICKPLATE	HARDWARE BY MANUF.	JAMB DETAIL ON A101	HEAD DETAIL ON A101		
101	VARIES																								EXISTING TO REMAIN	
102	3'-0" x 7'-0" X 1 3/4"	2																								KITCHEN
103	3'-0" x 7'-0" X 1 3/4"	6																								OFFICE / CORRIDOR
104	3'-0" x 7'-0" X 1 3/4"	3																								WOMENS
105	3'-0" x 7'-0" X 1 3/4"	4																								MENS



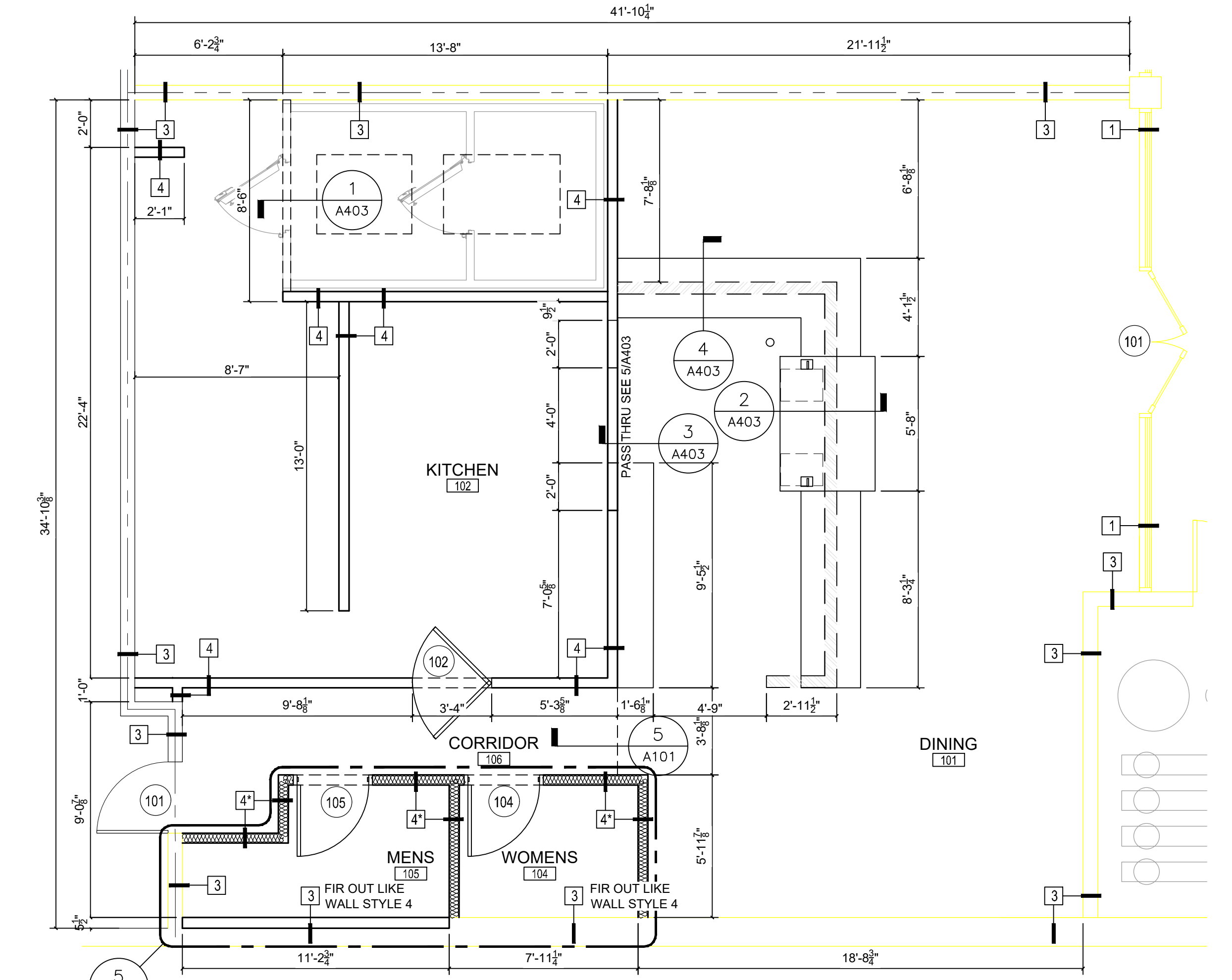
4 DOOR TYPES
A101 SCALE: N.T.S.

Wall Types	
1	LANDLORD PROVIDED EXTERIOR WALL / AND OR STORE FRONT TO REMAIN. PATCH / REPAIR AS REQ'D & PREP FOR FINISHES AS INDICATED. (REMOVE EXISTING GYP. BD. AS NECESSARY)
2	NOT USED
3	LANDLORD PROVIDED INTERIOR WALL TO REMAIN. PATCH / REPAIR AS REQ'D.
4	3 5/8" (or 6") WHERE INDICATED) METAL (20 GA.) @ 16" O.C. FULL HEIGHT w/5/8" GYP. BD. FROM F.F. TO BTM. OF STRUCTURE ABOVE (NOTE: 4) ADD SOUND ATTENUATING INSULATION).

*** SEE SHEET A301 FOR FINISH SCHEDULE & A401 FOR INTERIOR ELEVATIONS ***



2 DOOR HEAD DETAIL
A101 SCALE: 3/4" = 1'-0"



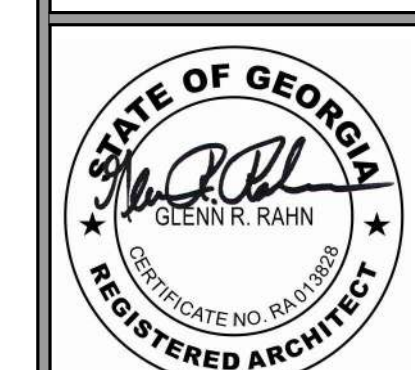
1 ARCHITECTURAL FLOOR PLAN
A101 SCALE: 1/4" = 1'-0"



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DATE	ISSUED FOR:
07/03/2019	REVIEW
07/23/2019	Construction
09/26/2019	HVAC

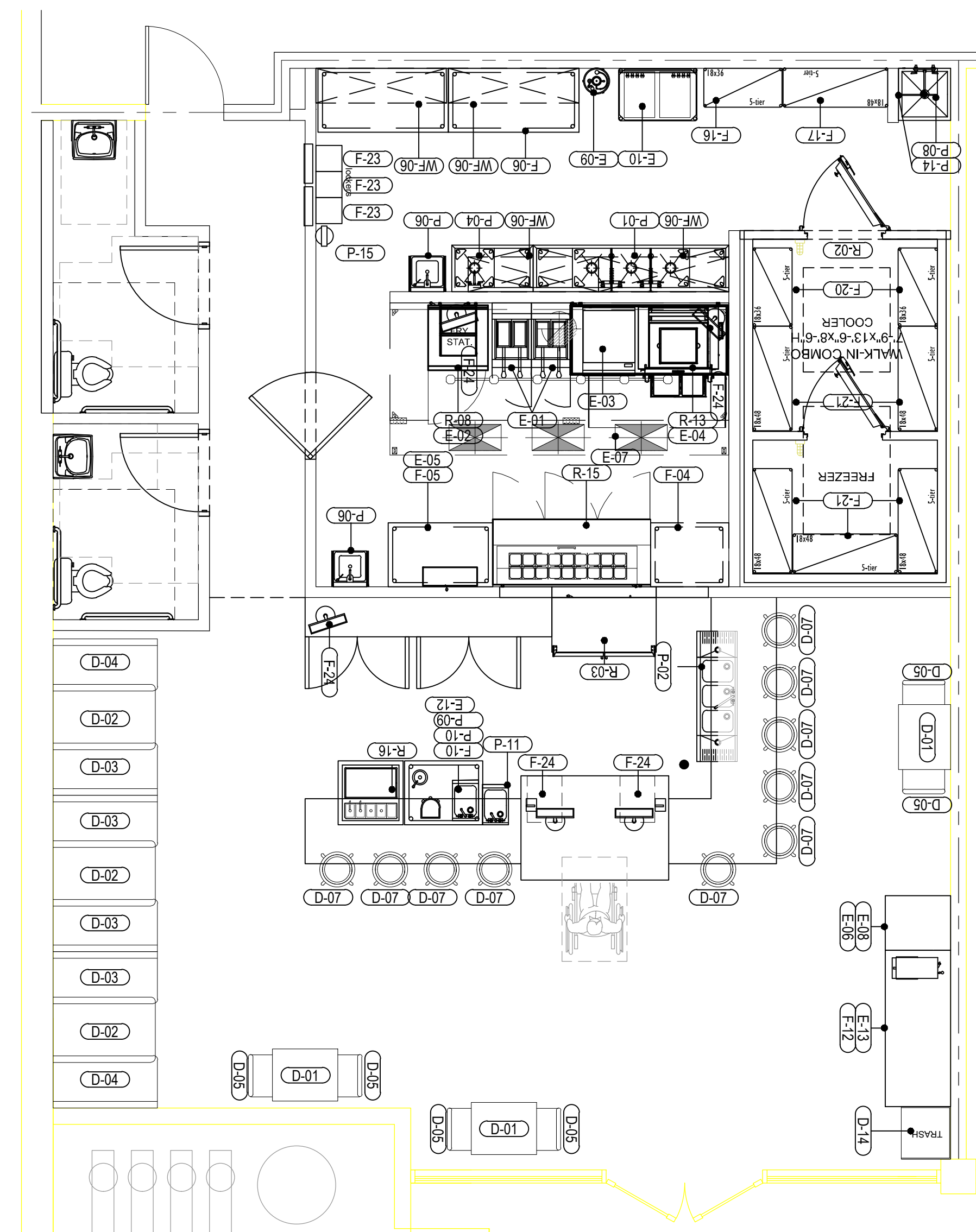


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A101

EQUIPMENT / FIXTURE SCHEDULE											
REF	DESCRIPTION	QTY	SIZE	MANUFACTURER	MODEL NUMBER	PLUMBING	ELECTRICAL	REMARKS	NSF	UL	
REFRIGERATOR/ FREEZER											
R-01	CUSTOM WALK-IN FREEZER	0	PER PLAN	NORLAKE	FINELINE			DRAIN TO F.S./F.D.	Y	Y	
R-02	CUSTOM WALK-IN COMBO	1	PER PLAN	NORLAKE	FINELINE			DRAIN TO F.S./F.D.	Y	Y	
R-03	2 DR. UNDERBAR REF. W/ CASTERS	1	58 7/8"L x 27 3/4"D x 37"H	TRUE	TBB-2-HC		115V / 60 / 1 2.8A	SELF EVAP.	Y	Y	
R-04	3 DR. UNDERBAR REFRIGERATOR	0	90 3/8"L x 27 3/4"D x 37"H	TRUE	TBB-4-HC		115V / 60 / 1 2.8A	SELF EVAP.	Y	Y	
R-05	2 DR. UNDERBAR REF. BEER DISPENSER W/ CASTERS	0	58 7/8"L x 27 1/8"D x 37"H	TRUE	TDD-2		115V / 60 / 1 2.8A	DRAIN TO F.S.	Y	Y	
R-06	3 DR. UNDERBAR REF. BEER DISPENSER	0	90 3/8"L x 27 1/8"D x 37"H	TRUE	TDD-4		115V / 60 / 1 2.8A	DRAIN TO F.S.	Y	Y	
R-07	1 DR UNDERCOUNTER REFRIGERATOR W/ CASTERS	0	27 5/8"L x 30 1/8"D x 29 3/4"H	TRUE	TUC - 27 - ADA -HC		115V / 60 / 1 2.0A	SELF EVAP.	Y	Y	
R-08	1 DR WKTOP REF. W/ CASTERS	1	27 5/8" x 30 1/8" x 33 3/8"	TRUE	TWT-27-HC		115V / 60 / 1 2.0A	SELF EVAP.	Y	Y	
R-09	1 DR U/C FREEZER	0	7 5/8"L x 30 1/8"D x 29 3/4"H	TRUE	TUC - 27F -HC		115V / 60 / 1 5.0A		Y	Y	
R-10	1 DR. SOLID SWING DOOR FREEZER	0	27" x 24 1/2" x 75 1/4"	TRUE	T-19FZ-HC		115V / 60 / 1 3.7A	SELF EVAP.	Y	Y	
R-11	3 DR. SOLID SWING DOOR FREEZER	0	78 1/8" x 29 1/2" x 78 3/8"	TRUE	T-72F-HC		115V / 60 / 1 6.9A	SELF EVAP.	Y	Y	
R-12	3 DR. REFRIGERATOR	0	78 1/8" x 29 1/2" x 78 3/8"	TRUE	T-72-HC		115V / 60 / 1 6.9A		Y	Y	
R-13	4 DRW REFRIGERATED CHEF BASE	1	72 3/8"L x 32 1/8"D x 20 3/8"H	TRUE	TRCB-72		115V / 60 / 1 9.9A		Y	Y	
R-14	4 DRW REFRIGERATED CHEF BASE	0	95 1/2"L x 32 1/8"D x 20 3/8"H	TRUE	TRCB-96		115V / 60 / 1 10.4A		Y	Y	
R-15	72" SANDWICH REFRIGERATED PREP TABLE	1	72.7"L x 30"D x 43.7"H	SUPERA	SSPT3R-1		115V/60/10.3A	SELF EVAP.	Y	Y	
R-16	FLAVORRAIL DIPPING CABINET W/CASTERS	1	30 1/4"L x 30 1/4"D x 32 3/4"H	NELSON	BDF4		115V / 8.0A	DRAIN TO F.S.	Y	Y	
R-17	FLAVORRAIL DIPPING CABINET	0	38 5/8"L x 30 1/8"D x 32 5/8"H	MASTER-BILT	FIR-60		115V / 7.5A	DRAIN TO F.S.	Y	Y	
FIXTURE											
F-01	STAINLESS STEEL TABLE 4" REAR	0	12"L x 30"D x 35"H	GSW	WT-PB3012				Y	Y	
F-02	STAINLESS STEEL TABLE 4" REAR	0	18"L x 30"D x 35"H	GSW	WT-PB3018				Y	Y	
F-03	STAINLESS STEEL TABLE 4" REAR	0	30"L x 30"D x 35"H	GSW	WT-PB3030				Y	Y	
F-04	STAINLESS STEEL TABLE 4" REAR	1	36"L x 30"D x 35"H	GSW	WT-PB3036				Y	Y	
F-05	STAINLESS STEEL TABLE 4" REAR	1	48"L x 30"D x 35"H	GSW	WT-PB3048				Y	Y	
F-06	STAINLESS STEEL TABLE 4" REAR	2	60"L x 30"D x 35"H	GSW	WT-PB3060				Y	Y	
F-07	STAINLESS STEEL TABLE 4" REAR	0	72"L x 30"D x 35"H	GSW	WT-PB3072				Y	Y	
F-08	STAINLESS STEEL TABLE 4" REAR	0	84"L x 30"D x 35"H	GSW	WT-PB3084				Y	Y	
F-09	STAINLESS STEEL TABLE 4" REAR	0	96"L x 30"D x 35"H	GSW	WT-PB3096				Y	Y	
F-10	STAINLESS STEEL MIXER CABINET	1	36"L x 30"D x 34"H		CUSTOM				Y	Y	
F-11	STAINLESS STEEL CABINET w/ SLIDE DR	0	30"L x 48"D x 35"H	GSW	CTD-P3048S				Y	Y	
F-12	STAINLESS STEEL CABINET w/ HINGED DR	1	48"L x 30"D x 35"H	GSW	CTD-P3048H				Y	Y	
F-13	STAINLESS STEEL CABINET w/ HINGED DR	1	60"L x 30"D x 35"H	GSW	CTD-P3060H				Y	Y	
F-14	STAINLESS STEEL CABINET w/ HINGED DR	0	72"L x 30"D x 35"H	GSW	CTD-P3072H				Y	Y	
F-15	5 TIER WIRE SHELVING w/ CASTERS	0	24" x 18" x 74"	METRO				DRY STORAGE	Y	Y	
F-16	5 TIER WIRE SHELVING w/ CASTERS	1	36" x 18" x 74"	METRO				DRY STORAGE	Y	Y	
F-17	5 TIER WIRE SHELVING w/ CASTERS	1	48" x 18" x 74"	METRO				DRY STORAGE	Y	Y	
F-18	5 TIER WIRE SHELVING w/ CASTERS	0	60" x 18" x 74"	METRO				DRY STORAGE	Y	Y	
F-19	5 TIER WIRE SHELVING w/ CASTERS	0	24" x 18" x 74"	METRO				EPOXY COATED	Y	Y	
F-20	5 TIER WIRE SHELVING w/ CASTERS	2	36" x 18" x 74"	METRO				EPOXY COATED	Y	Y	
F-21	5 TIER WIRE SHELVING w/ CASTERS	5	48" x 18" x 74"	METRO				EPOXY COATED	Y	Y	
F-22	5 TIER WIRE SHELVING w/ CASTERS	0	60" x 18" x 74"	METRO				EPOXY COATED	Y	Y	
F-23	EMPLOYEE LOCKERS	3	PER PLAN	SALABURI INDUSTRIES	70000 SERIES			VENTED	Y	Y	
F-24	ADA CASHIER COUNTER POS	3	VARIES, DIM. PER PLAN	CUSTOM	3054RC			BLACK LAMINATE	Y	Y	
WALL FIXTURE											
WF-01	STAINLESS STEEL WALL MOUNT SHELF	0	24" x 14" x 10 7/8"	GSW	WS-W1424				Y	Y	
WF-02	STAINLESS STEEL WALL MOUNT SHELF	0	36" x 14" x 10 7/8"	GSW	WS-W1436				Y	Y	
WF-03	STAINLESS STEEL WALL MOUNT SHELF	0	48" x 14" x 10 7/8"	GSW	WS-W1448				Y	Y	
WF-04	STAINLESS STEEL WALL MOUNT SHELF	0	60" x 14" x 10 7/8"	GSW	WS-W1460				Y	Y	
WF-05	STAINLESS STEEL WALL MOUNT SHELF	0	72" x 14" x 10 7/8"	GSW	WS-W1472				Y	Y	
WF-06	WALL MOUNTED WIRE SHELF	4	36" x 18"	METRO				SUPER-ERECTA-MET ROSEAL-3	Y	Y	
WF-07	WALL MOUNTED WIRE SHELF	0	42" x 18"	METRO				SUPER-ERECTA-MET ROSEAL-3	Y	Y	
WF-08	WALL MOUNTED WIRE SHELF	0	48" x 18"	METRO				SUPER-ERECTA-MET ROSEAL-3	Y	Y	
WF-09	WALL MOUNTED WIRE SHELF	0	60" x 18"	METRO				SUPER-ERECTA-MET ROSEAL-3	Y	Y	
WF-10	MOP RACK & CHEMICAL SHELF	0	34" x 8" x 13"	BOBRICK	B-239				Y	Y	
WF-11	CHEMICAL SHELF	0							Y	Y	
EQUIPMENT											
E-01	DEEP FRYER	2	19.6"W x 34"D x 34"H	PITCO	VF65	3/4" NPT GAS IN		70K or 95K BTU	Y	Y	
E-02	FRY HOLDING STATION	1	21.37"W x 27.58"D x 22.75"H	HATCO	GRFHS-21		120V/1090W/ 9.1A		Y	Y	
E-03	24" FLAT GRIDDLE	1	24"W x 33"D x 15.5"H	SUPERA	LCG-24-1	3/4" NPT GAS IN		60K BTU	Y	Y	
E-04	CHARBROILER w/ 4" LEGS	1	36.67"W x 39.34"D x 34.24"H	NIECO	JF63-2GR	3/4" NPT GAS IN	208V/ 9A	58K BTU	Y	Y	
E-05	CONVEYOR TOASTER	1	25"W x 8 1/4"D x 26 3/8"H	PRINCE CASTLE	297-T20FCE		230V / 60 / 1 7.4A		Y	Y	
E-06	ICE MAKER (COMPACTIBLE w/FREESTYLE COCA COLA MACHINE)	1	22"L x 27 5/8"D x 37 7/16"H	HOSHIKAZI	KM-600MAH	3/8" O.D WATER-IN 3/4" FTP WATER OUT	115-120V / 60 / 1 15A max.	DRAIN TO F.S.	Y	Y	
E-07	GREASE HOOD	1	10'L x 4'D	CAPTIVEVAIRE					Y	Y	
E-08	SODA DISPENSER	1		COCA COLA					Y	Y	
E-09	CO2 TANK - 50 lbs	1		COCA COLA					Y	Y	
E-10	SYRUP RACK	1	18"L x 16"D x 77.1"H	COCA COLA					Y	Y	
E-11	AIR CURTAIN	1	36"L	MARS	LPN2 36		115V/ 2 AA		Y	Y	
E-12	TRIPLE MIXER	1		HAMILTON BEACH	HMD-400		120V/ 60/ 900W		Y	Y	
E-13	3 GALLON TEA BREWER	1	11.5"L x 22"D x 34"H	BUNN	TB3Q		120V/ 60/ 14.4A		Y	Y	
PLUMBING FIXTURE											
P-01	3 COMPARTMENT SINK (B.O.H)	1	18" BOWL	GSW	SE18183D	1/2" CW -1/2" HW		DIRECT TO F.S.	Y	Y	
P-02	3 COMPARTMENT SINK (UNDERBAR)	1	60" x 19" x 36"	KROWNE	CS-1860	1/2" CW -1/2" HW		DIRECT TO F.S.	Y	Y	
P-03	3 COMPARTMENT CORNER SINK	0	57 1/2"L x 57 1/2"W x 45"H	GSW	SE18183C	1/2" CW -1/2" HW		DIRECT TO F.S.	Y	Y	
P-04	1 COMPARTMENT SINK (LEFT DRAIN BD)	1	39 1/8"L x 24"D x 45"H	GSW	SE18181L	1/2" CW -1/2" HW		DIRECT TO F.S.	Y	Y	
P-05	1 COMPARTMENT SINK (RIGHT DRAIN BD)	0	39 1/8"L x 24"D x 45"H	GSW	SE18181R	1/2" CW -1/2" HW		DIRECT TO F.S.	Y	Y	
P-06	HAND SINK W/ SPLASH GUARDS	2	12 1/2"L x 17 7/8"D x 5 5/8"H	GSW	HS-12175	1/2" CW -1/2" HW		DIRECT TO F.S.	Y	Y	
P-07	SPLASH GUARD INSERT TYPE	0	21 15/16"L x 11"H	GSW	SP-SH1810			FIELD VERIFY L/R	Y	Y	
P-08	MOP SINK w/ BACK FLOW PREVENTER DEVICE	1	24"L x 24"D x 13"H	GSW	SE2424FM	1/2" CW -1/2" HW		DIRECT TO DRAIN	Y	Y	
P-09	DROP IN/ DUMP SINK	1	13"L x 19"D x 10"H	ADVANCE TABCO	DI-1-10	1/2" CW -1/2" HW		DRAIN TO F.S.	Y	Y	
P-10	DIPPER WEL	1	6 DIA.	KROWNE	16-150	1/2" CW		DRAIN TO F.S.	Y	Y	
P-11	UNDERBAR HAND SINK	1	10" x 14" x 6" D BOWL	KROWNE	18-12DST	1/2" CW -1/2" HW		DRAIN TO F.S.	Y	Y	
P-12	TANK WATER HEATER 75 GAL	0	15-23" DIA.	AMERICAN	CG32-7517-3-4HV	3/4" GAS		75K BTU/ 75 GAL	Y	Y	
P-13	TANK WATER HEATER 180 GAL	0	15-25" DIA.	AMERICAN	CG32-1807-7-4NOV	3/4" GAS		199K BTU / SEE PLUMBING SCHEDULE P101	Y	Y	
P-14	TANKLESS WATER HEATER - NATURAL GAS	1	18.3" L x 10.1"D x 25.7"H	RINNAI				199K BTU / SEE PLUMBING SCHEDULE P101	Y	Y	
DINING											
D-01	TABLE - INTERIOR	3	24 x 24 TOP	AMKO	T64			BASE TABLE #0B2222			
D-02	TABLE - INTERIOR	3	48 x 30 TOP	AMKO	T64			BASE: #522 (BOOTH); BASE: #0B2222, B243L (TABLE)			
D-03	BOOTH - DOUBLE	6		COSCO RF							
D-04	BOOTH - END CAP	2	48" x 24" x 42"H	COSCO RF							
D-05	CHAIR - LOW	6		AMKO	M7771						
D-06	CHAIR - HIGH	0		AMKO							
D-07	BARSTOOL	10		AMKO	M2920BS						
D-08	TABLE - EXTERIOR	0	24 x 24 or 30 x 48	AMKO	T66			CHAIR: D-12			
D-09	TABLE - EXTERIOR (SQ. w/ UMBRELLA)	0	27 X 27					CHAIR: D-11			
D-10	TABLE - EXTERIOR (RND. w/ UMBRELLA)	0	27"R					CHAIR: D-11			
D-11	CHAIR - EXTERIOR	0		AMKO	M7105			(Mesh)			
D-12	CHAIR - EXTERIOR	0		AMKO	55385G						
D-13	FOOTRAIL	0	2" O.D. BRASS TUBING					SEE PLAN			
D-14	TRASH BIN	1									

EQUIPMENT IS OWNER SUPPLIED AND CONTRACTOR INSTALLED



1 EQUIPMENT PLAN
A201 SCALE: 1/4" = 1'-0"



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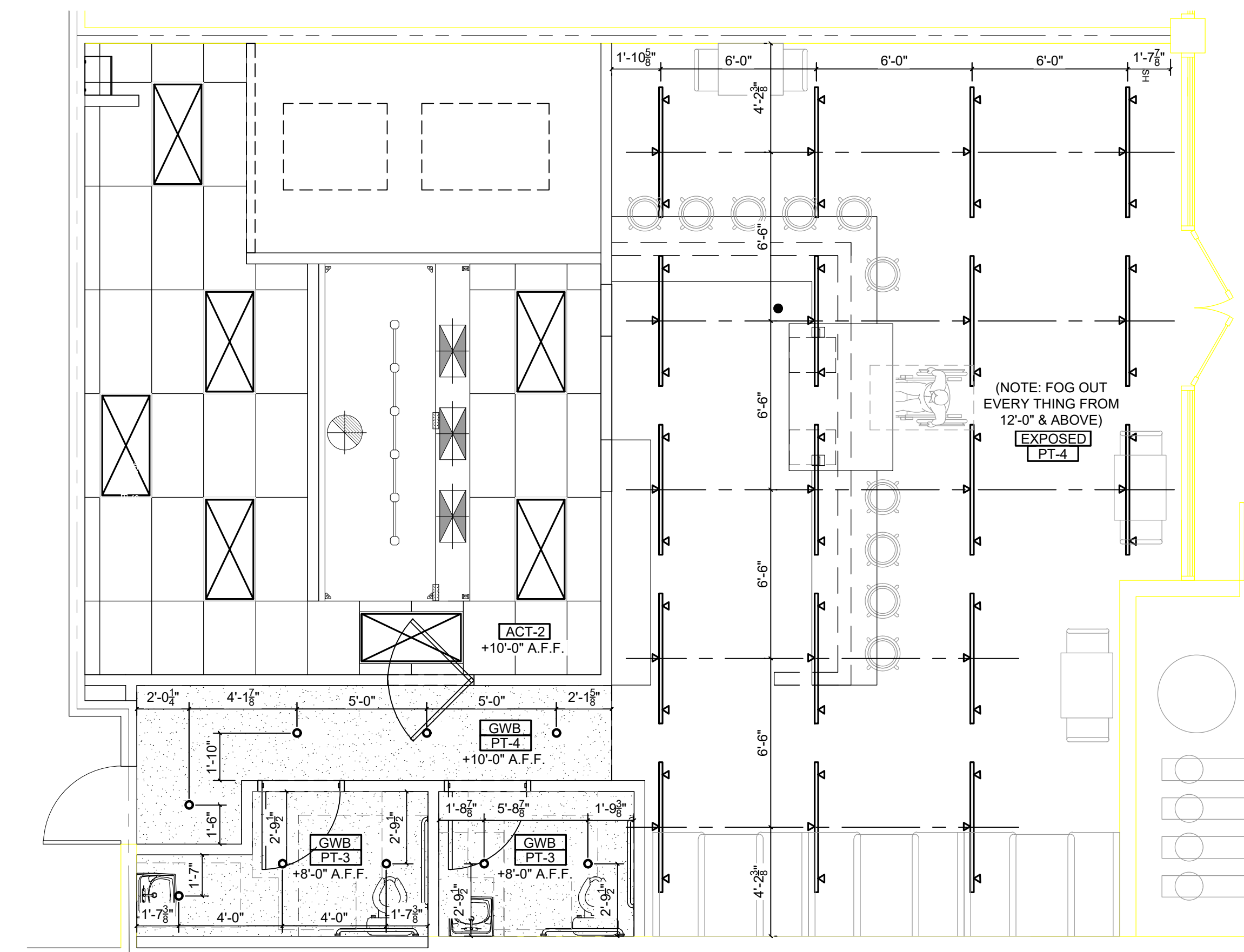
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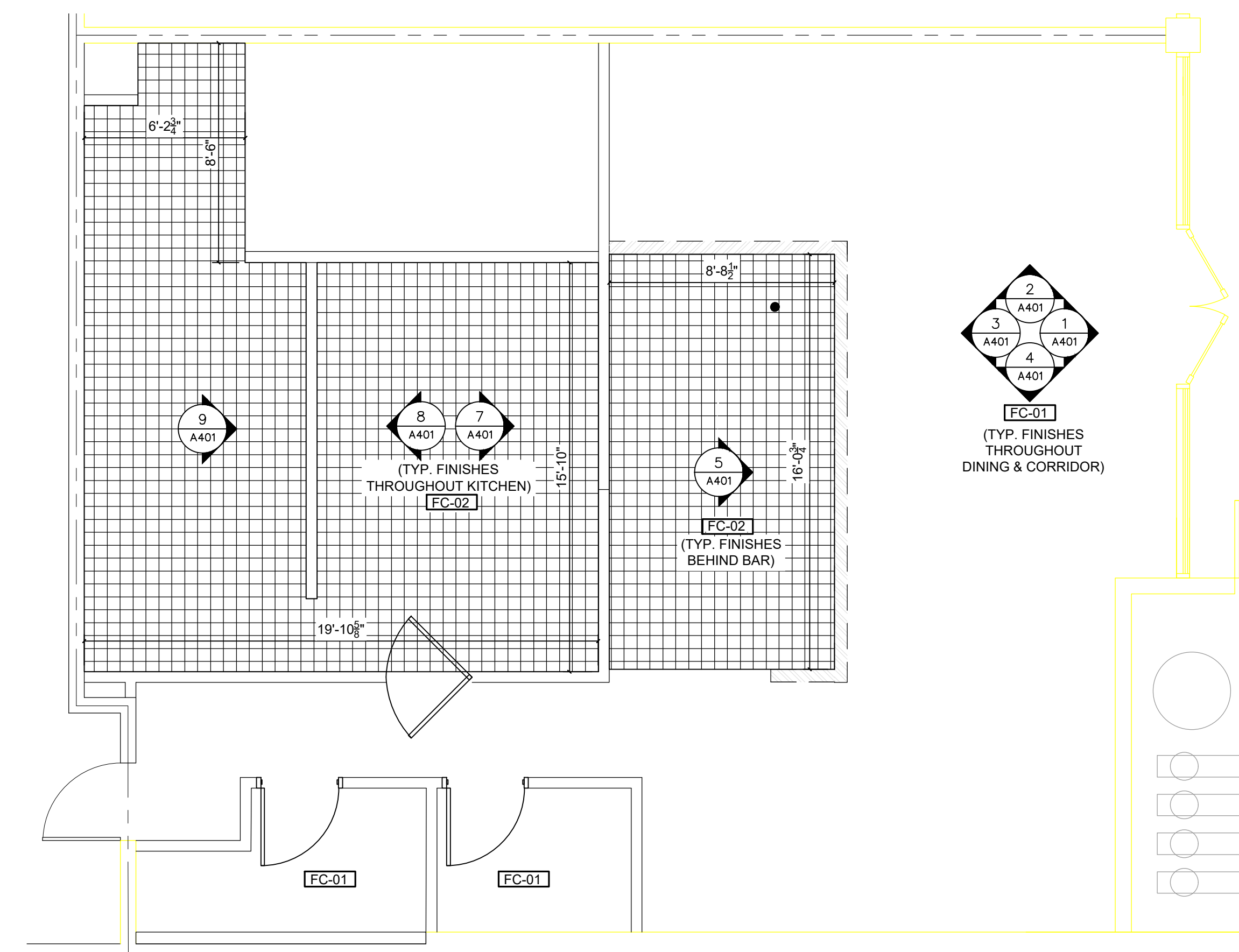
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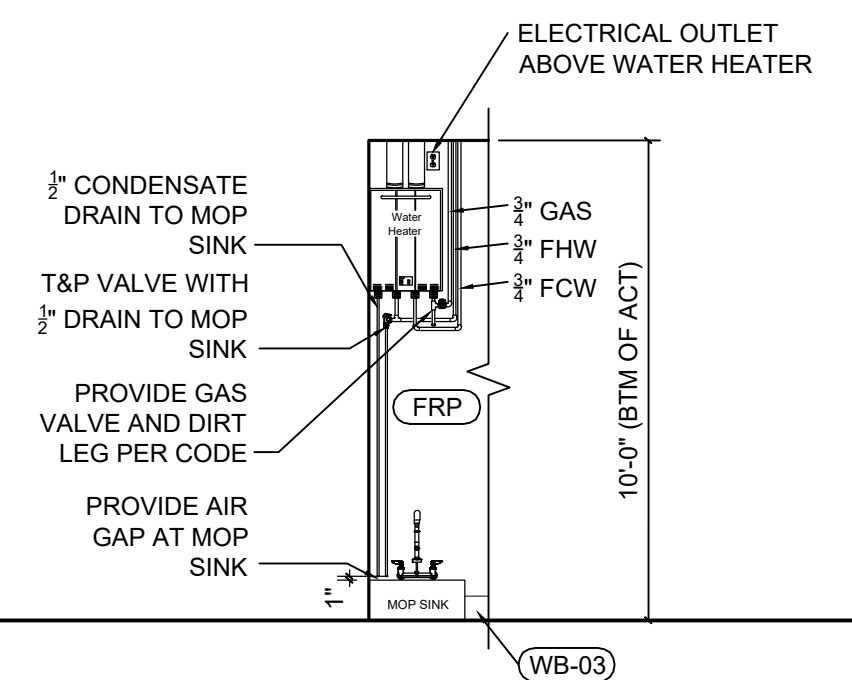
FINISH SCHEDULE						
NUMBER	MATERIAL	MANUFACTURER	MODEL	COLOR	FINISH	COMMENT
CEILING						
ACT-01	2'x4' CEILING TILE	USG CEILING OR EQUAL		BLACK		BAR / DINING
ACT-02	2'x4' SCRUBBLE CEILING TILE	USG CEILING OR EQUAL	CLIMAPLUS SHEET ROCK CEILING PANEL #3260 SQUARE EDGE	WHITE	VINYL	PRODUCTION AREA
GWB	GYPSUM WALL BOARD					
PT-03	PAINT	BEHR	ULTRA	WHITE	SEMI GLOSS	
PT-04	PAINT	BEHR	ULTRA	BLACK	SEMI GLOSS	
FLOOR COVERING						
FC-01	POLISHED CONCRETE					
FC-02	6"x6" QUARRY TILE SMOOTH	DALTILE		GREY		ALLOWED IN EXISTING SPACES, IN COOKLINE, PREP., AND STORAGE AREAS
WALL BASE						
WB-01	RUBBER BASE	FLEXCO	BASE 2000	BLACK		STRAIGHT 6" WALL BASE
WB-02	6"x6" CERAMIC TILE	DALTILE	SLIMFOOT S3619TN	WHITE: 0100		w/ 3/8" RADIUS (GROUT COLOR TO MATCH)
WB-03	6"x6" CERAMIC TILE	DALTILE	COVERED BASE	ASHEN GRAY: OT03		w/ 3/8" RADIUS (SMOOTH & SEALED) (GROUT COLOR TO MATCH)
WALLS						
PT-01	PAINT	BEHR	ULTRA	FIESTA ORANGE 68YR28/701	SEMI GLOSS	
PT-02	PAINT	BEHR	ULTRA	BURNISHED CLAY PPU18-09	SEMI GLOSS	
PT-05	PAINT	BEHR	ULTRA	WHITE-BLACK	SEMI GLOSS	
PT-06	PAINT	BEHR	ULTRA	WHITE	SEMI GLOSS	
WC-01	BRIGHT CORRUGATED METAL					WAINSCOT
FRP	WHITE FRP. WALL PANEL	MARLITE	S-100 SMOOTH SURFACE	WHITE	SMOOTH	BOH OUT OF VIEW 4' A.F.F. MIN. @ RESTROOMS
SS-1	STAINLESS STEEL		GC PROCURED			HOOD & ALL COOKLINE WALLS FLR. TO CLG. / & ANGLE GUARD AS REQ'D
CG-01	STAINLESS STEEL	MARLITE	F 560SS S.S. CORNER GURNARD	WHITE		ALL EXTERIOR CORNERS IN KITCHEN
CP-01	STAINLESS STEEL COVER PLATE					
MILLWORK						
PL-01	PLASTIC LAMINATE	WILSONART	CHEMSURF	BLACK 1595	MATTE	STANDARD HPL FINISH
B-01	LAMINATE TOP	WILSONART	7973K-12	OLD MILL OAK		BAR, BACK OF BAR, & PASS THRU COUNTER TOPS
B-02	LAMINATE TOP	WILSONART	1595	BLACK		FRONT & REAR OF BAR, BACK OF BAR, PASS THRU & SIDES



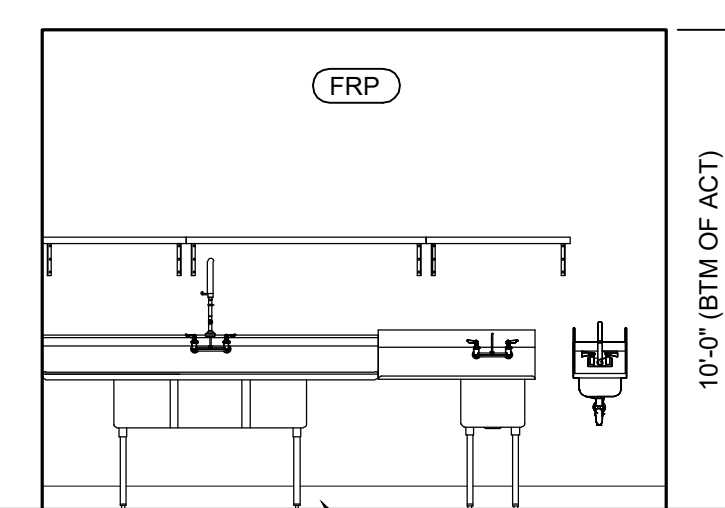
2 REFLECTED CEILING PLAN
A301 SCALE: 1/4" = 1'-0"



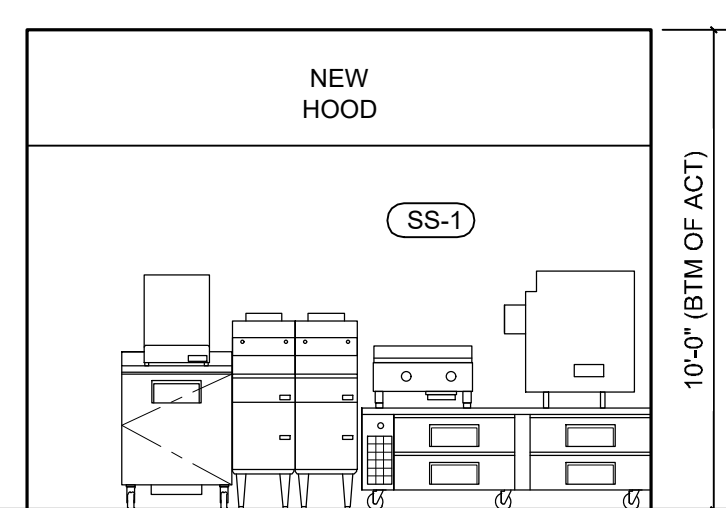
1 FLOOR FINISH PLAN
A301 SCALE: 1/4" = 1'-0"



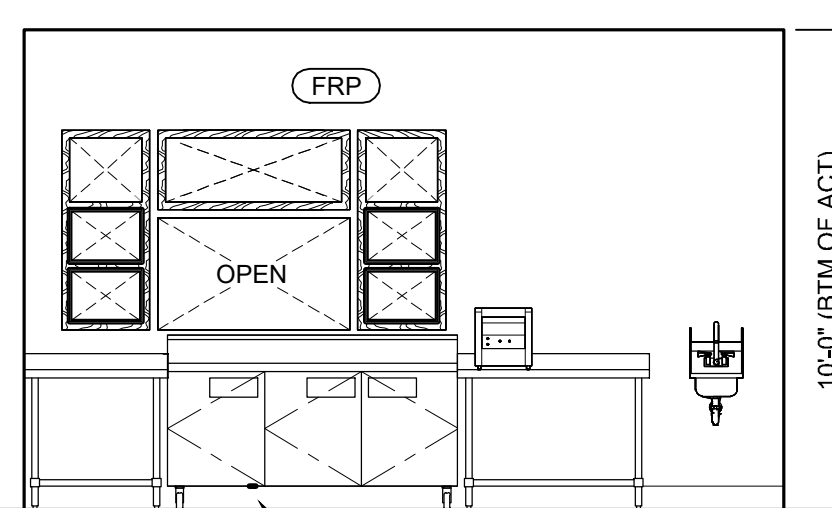
10 TYP.P-08 & WH-1 ELEVATION
A401 SCALE: 1/4" = 1'-0"



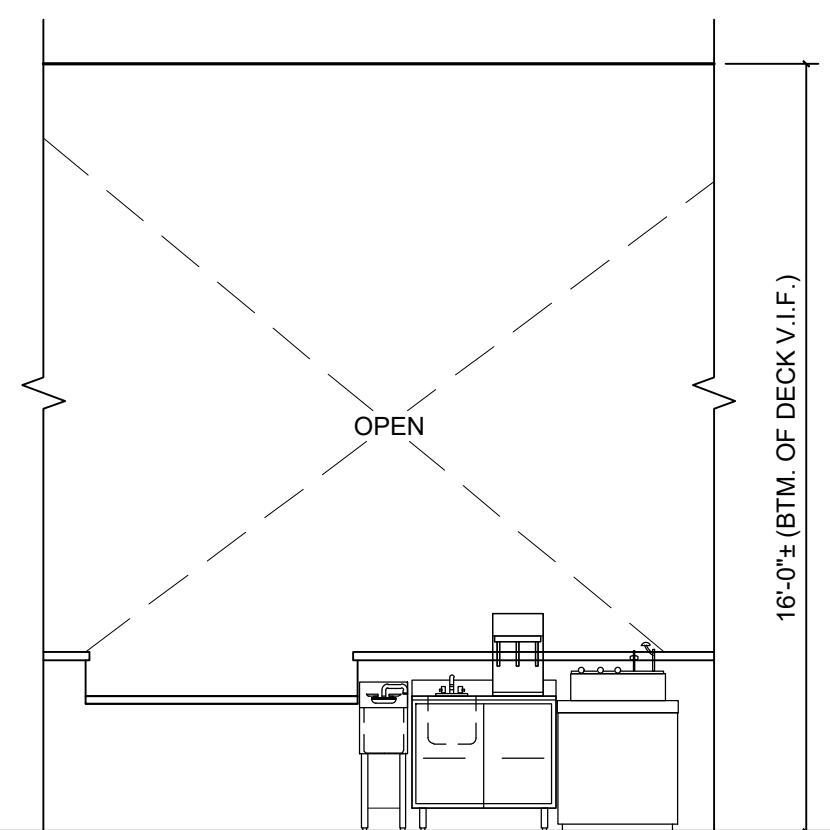
9 KITCHEN ELEV.
A401 SCALE: 1/4" = 1'-0"



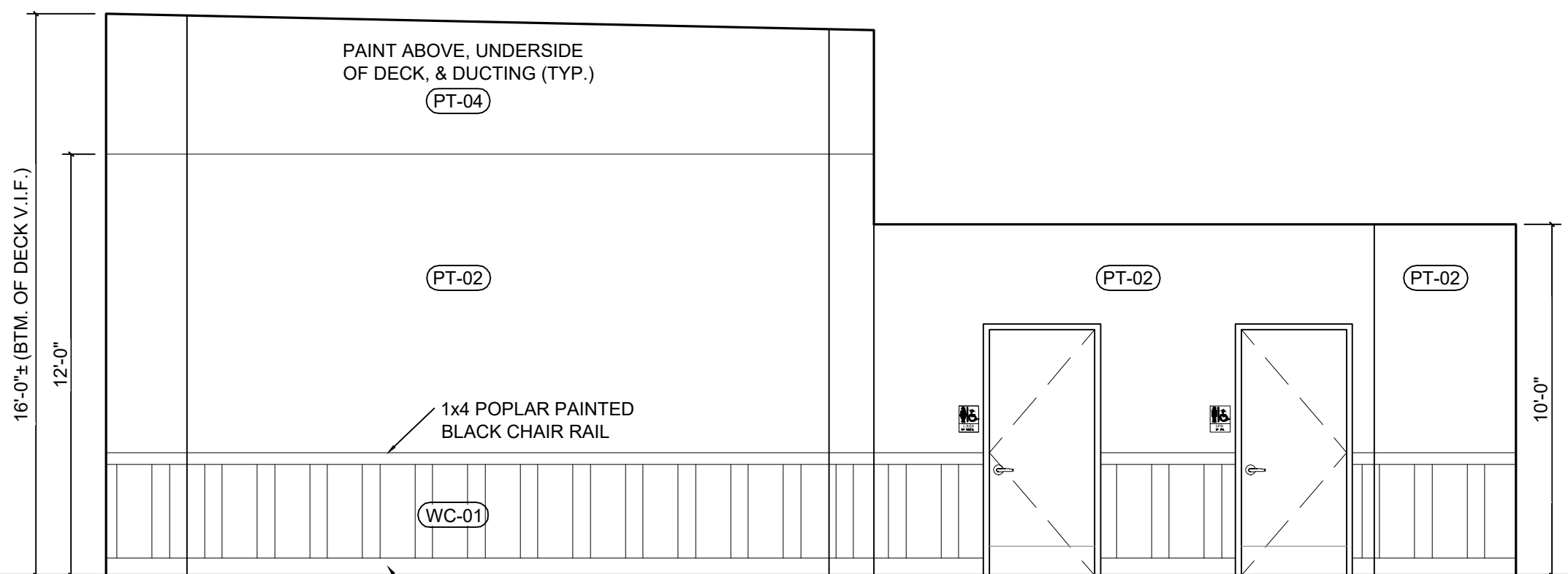
8 KITCHEN ELEV.
A401 SCALE: 1/4" = 1'-0"



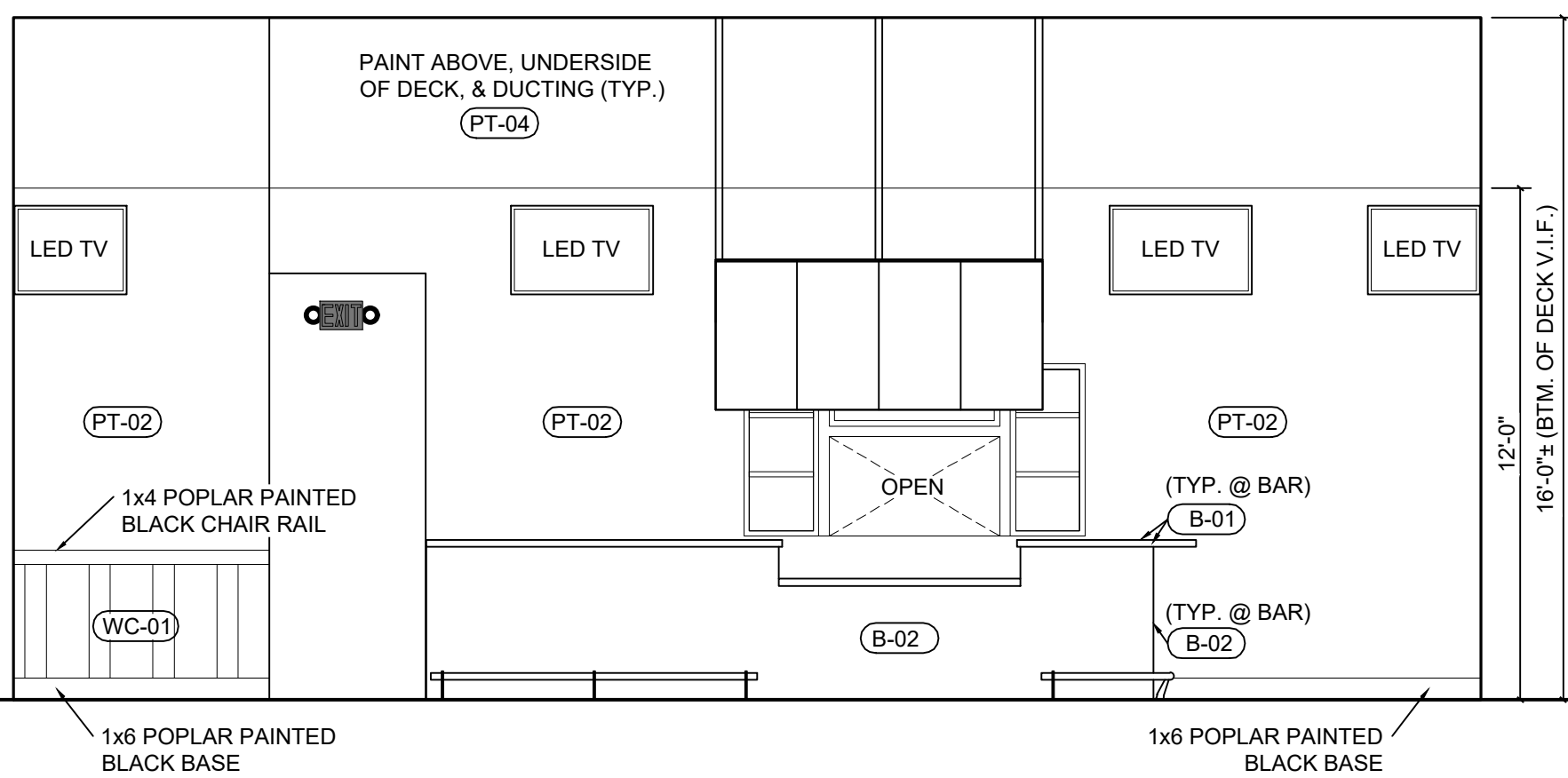
7 KITCHEN ELEV.
A401 SCALE: 1/4" = 1'-0"



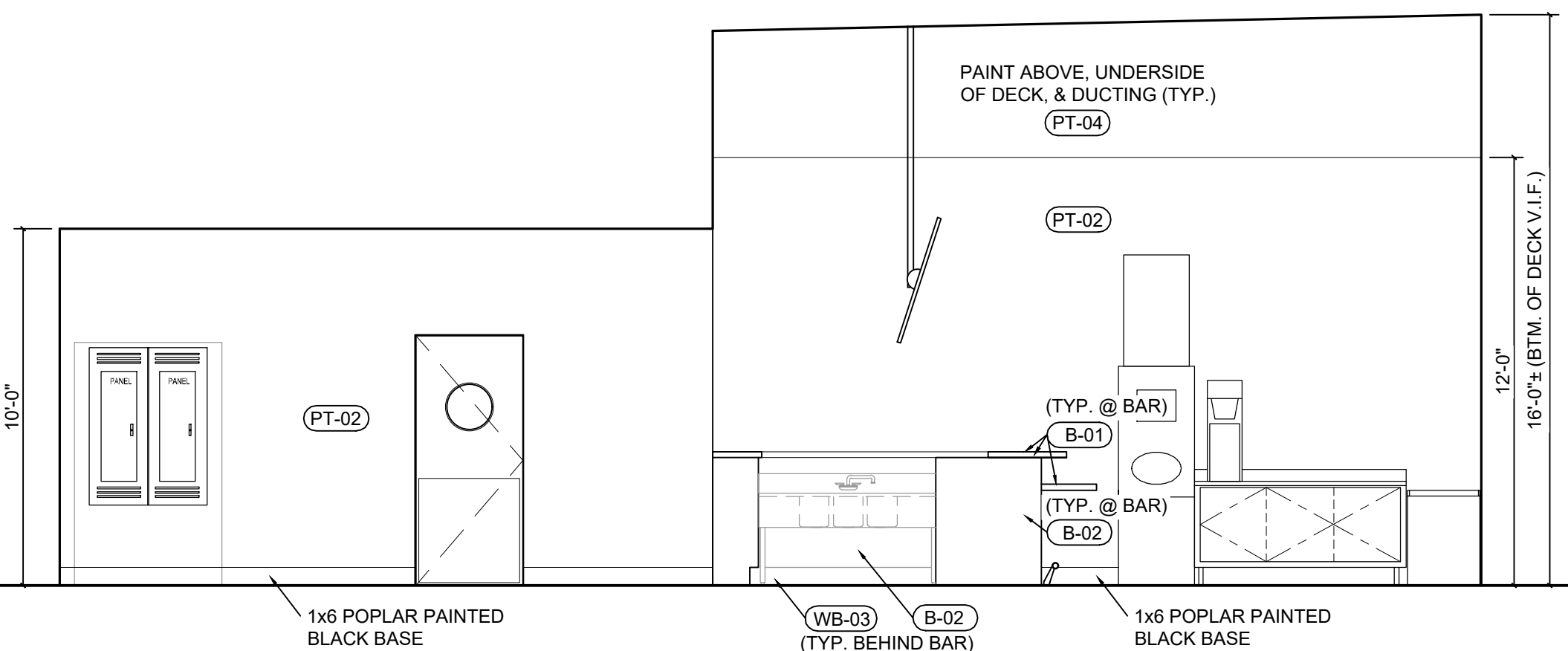
5 BEHIND COUNTER ELEV.
A401 SCALE: 1/4" = 1'-0"



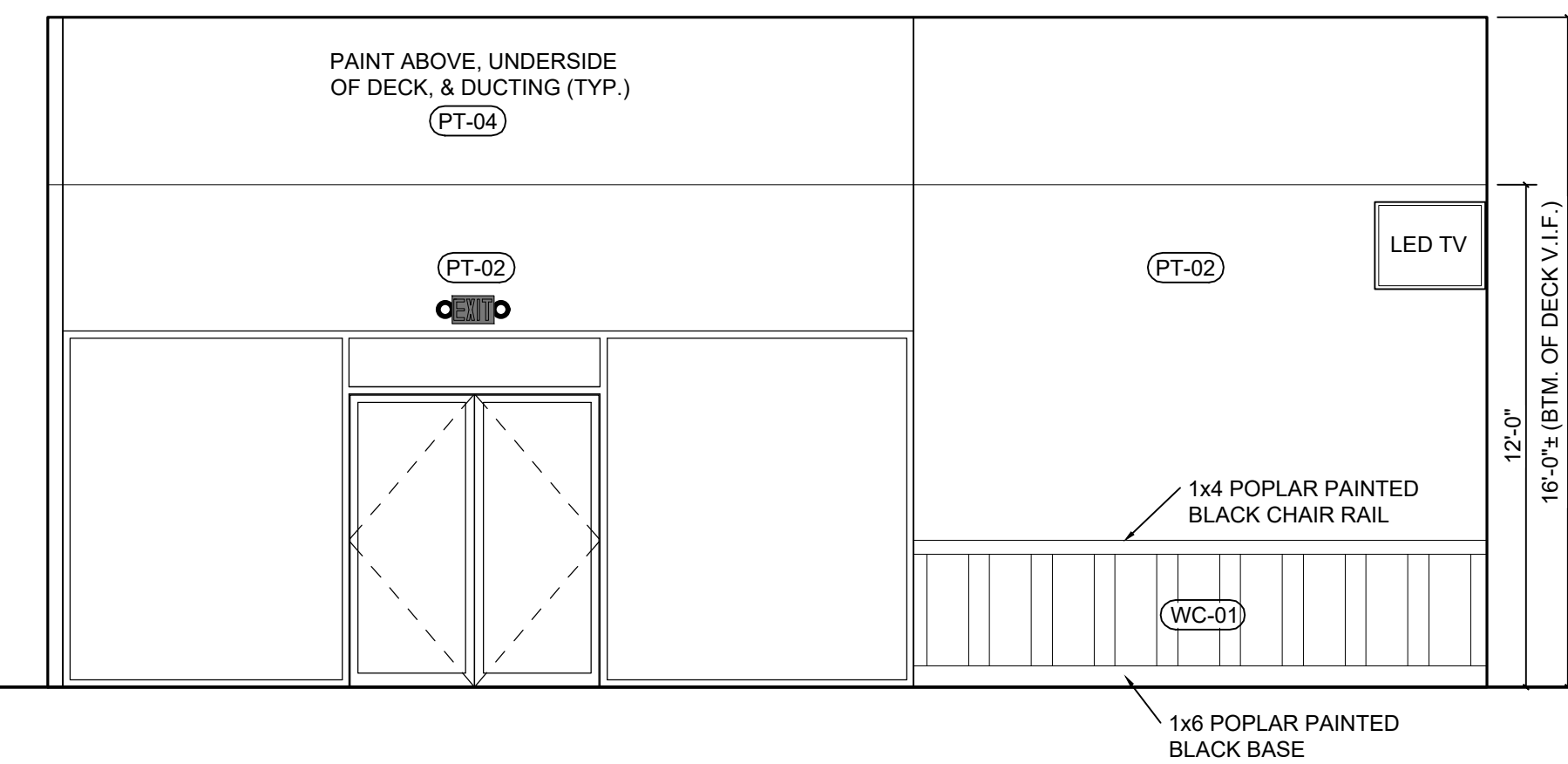
4 LOBBY ELEV.
A401 SCALE: 1/4" = 1'-0"



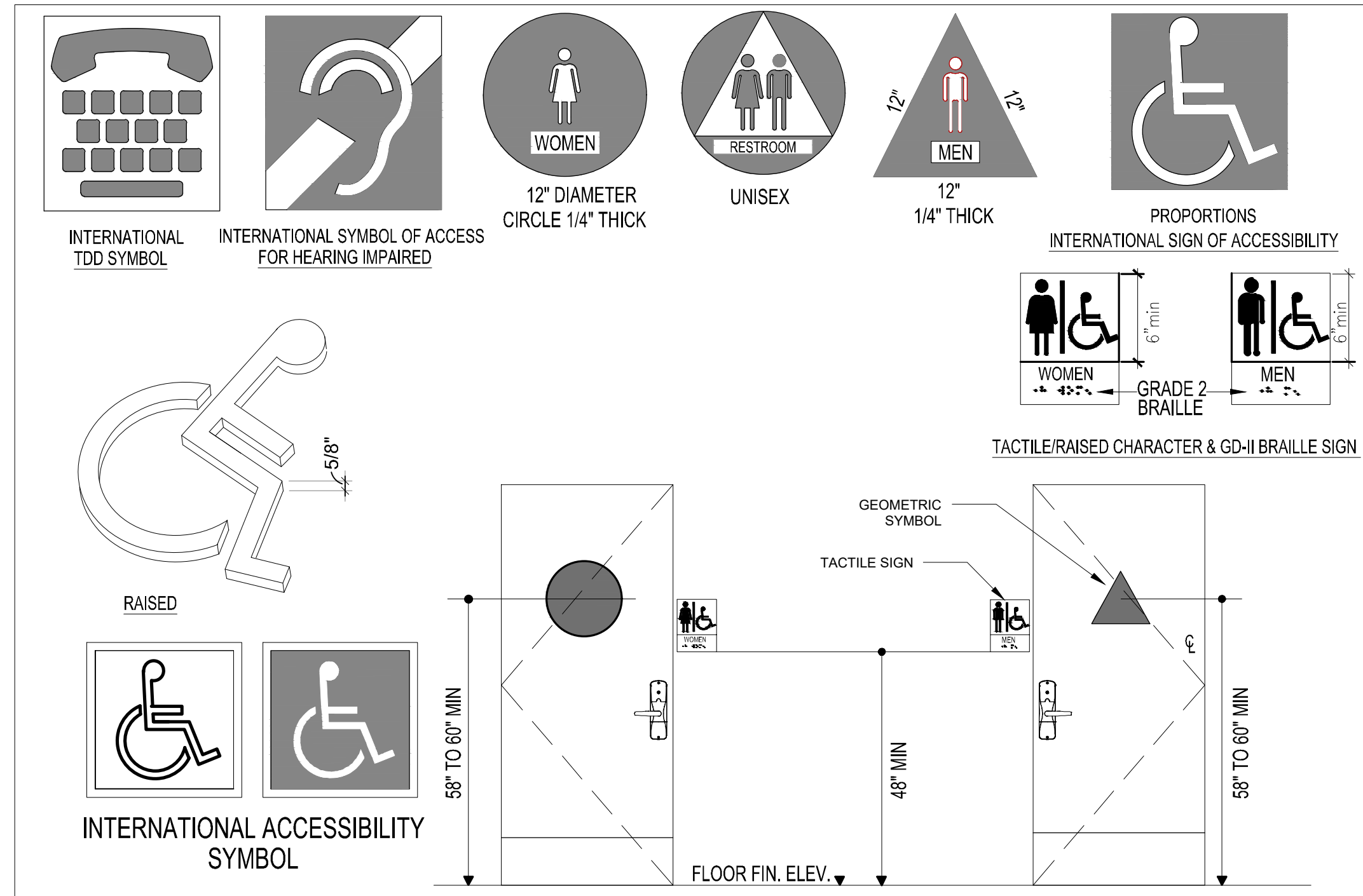
3 LOBBY ELEV.
A401 SCALE: 1/4" = 1'-0"



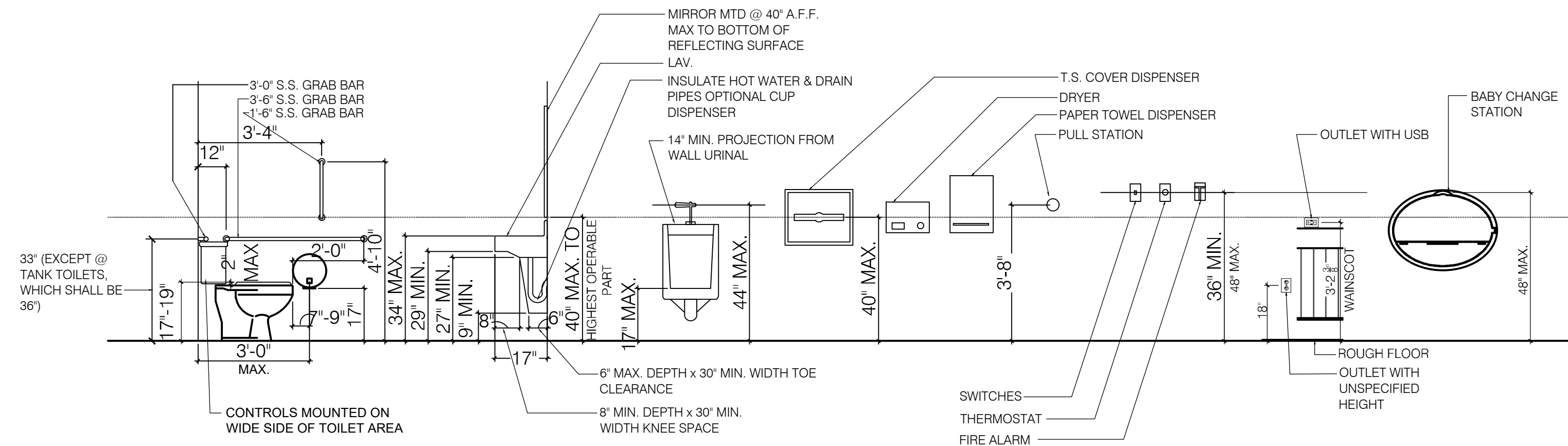
2 LOBBY ELEV.
A401 SCALE: 1/4" = 1'-0"



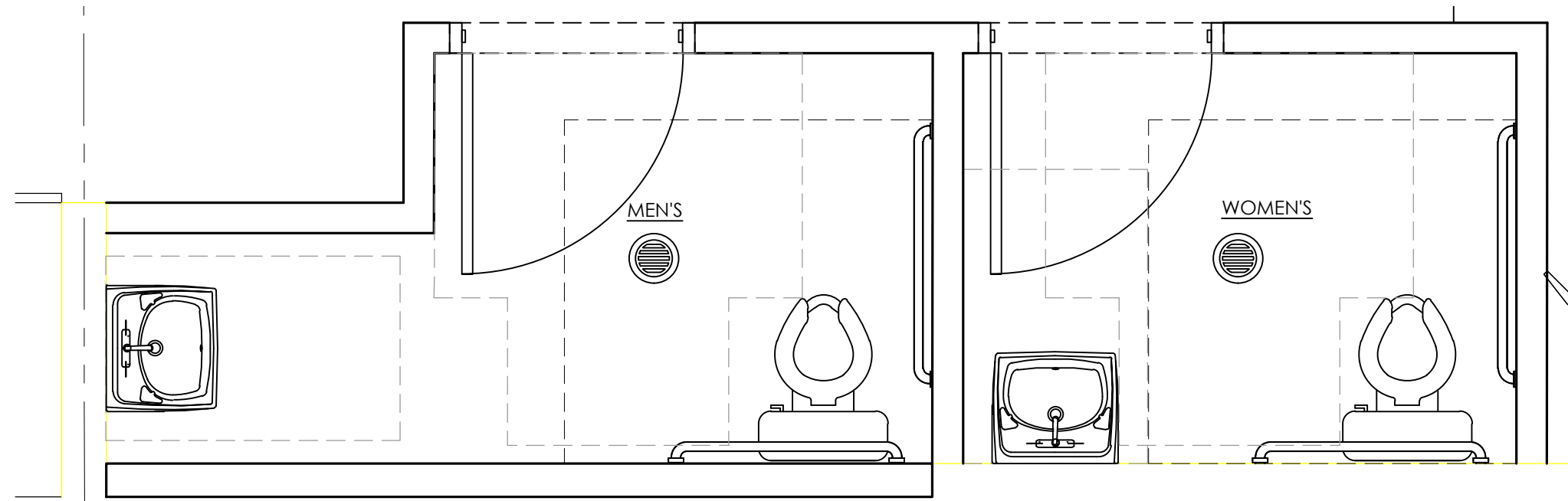
1 LOBBY ELEV.
A401 SCALE: 1/4" = 1'-0"



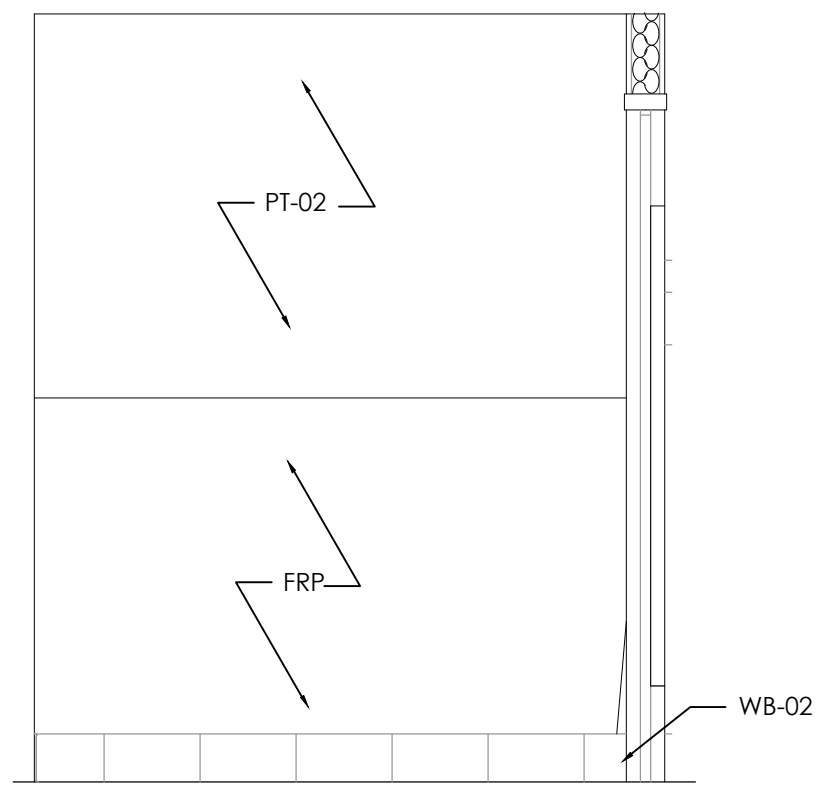
7 SIGNAGE DETAILS
SCALE: NONE



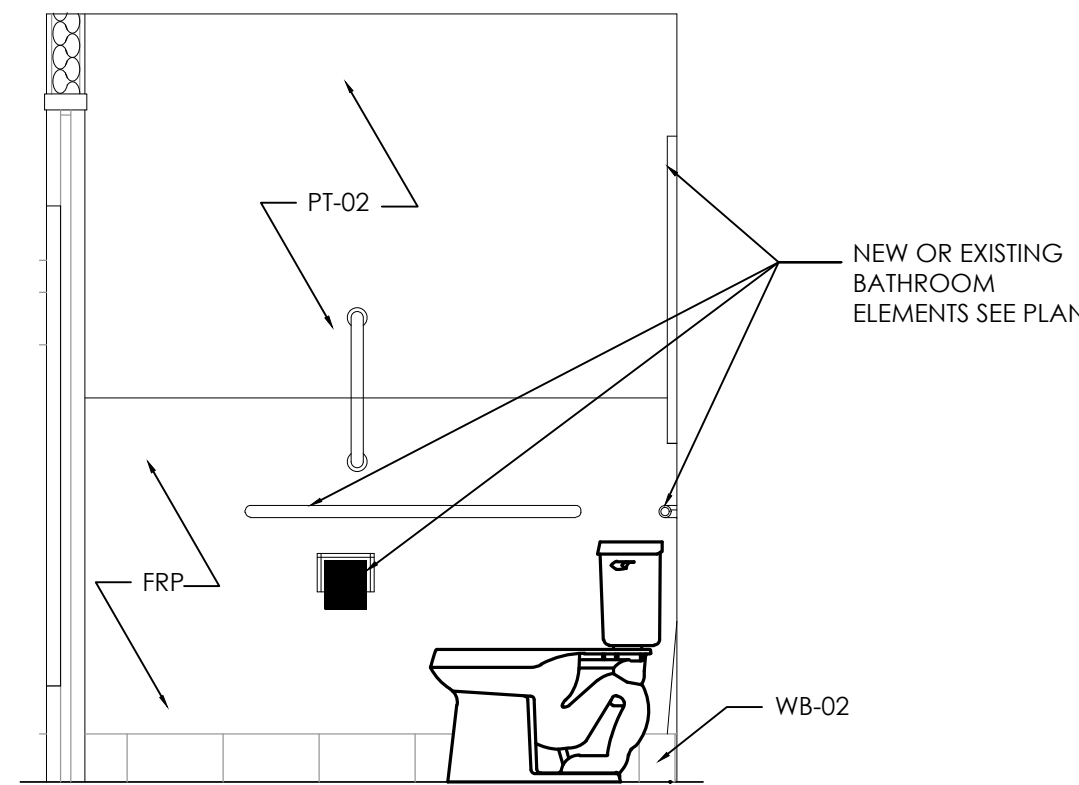
6 TYPICAL FIXTURE MOUNTING HEIGHTS
SCALE: NONE



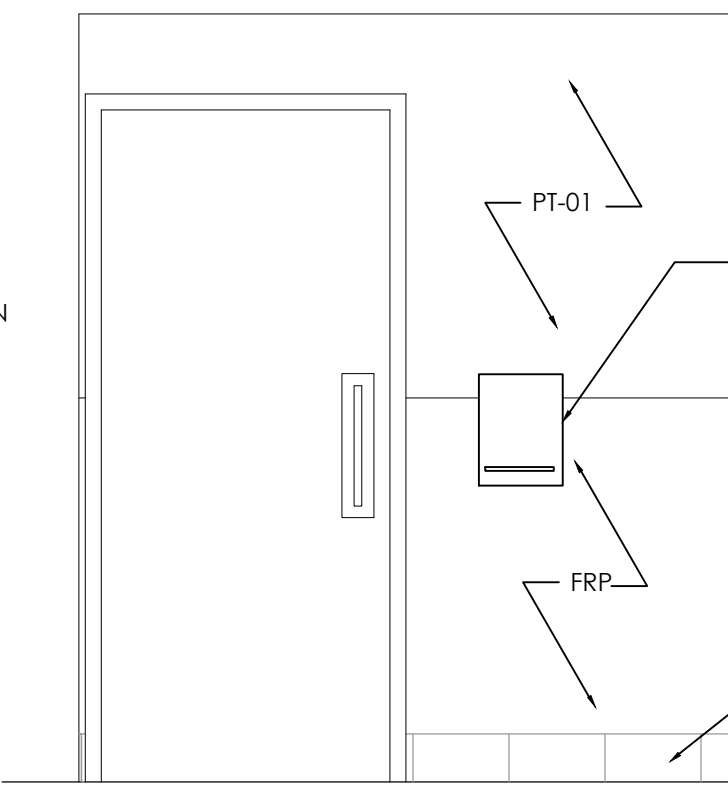
5 RESTROOM PLAN
SCALE: 1/2" = 1'-0"



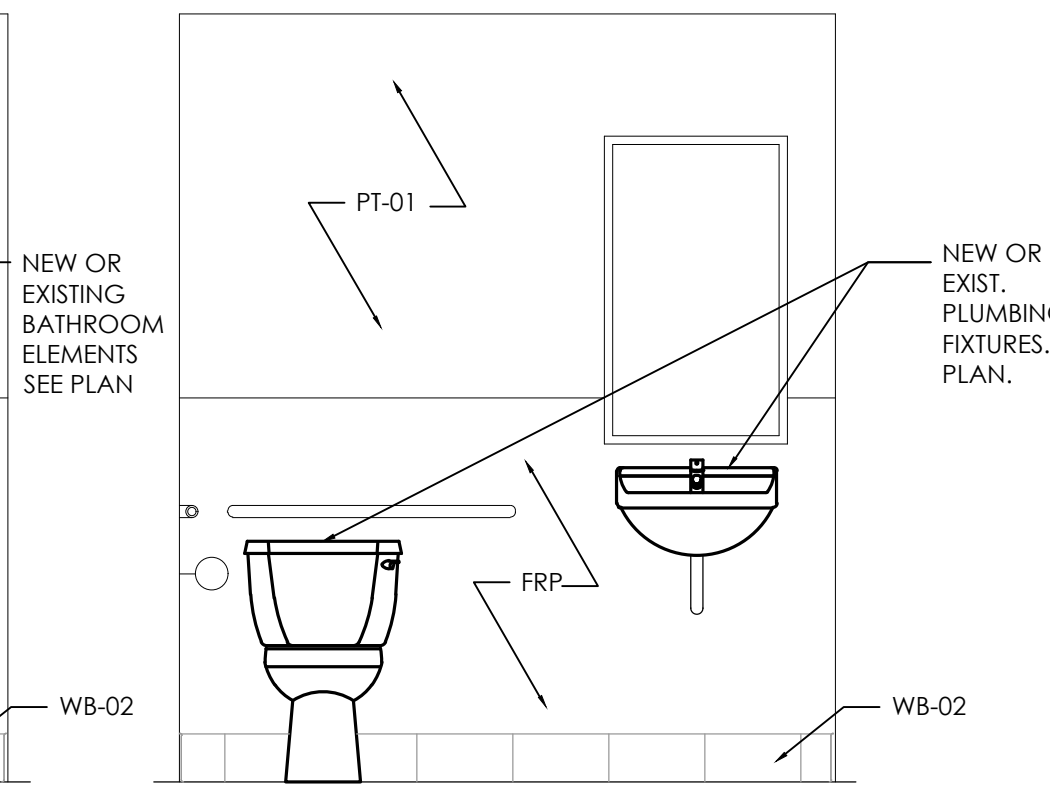
4 TYP. RESTROOM PLAN
SCALE: 1/2" = 1'-0"



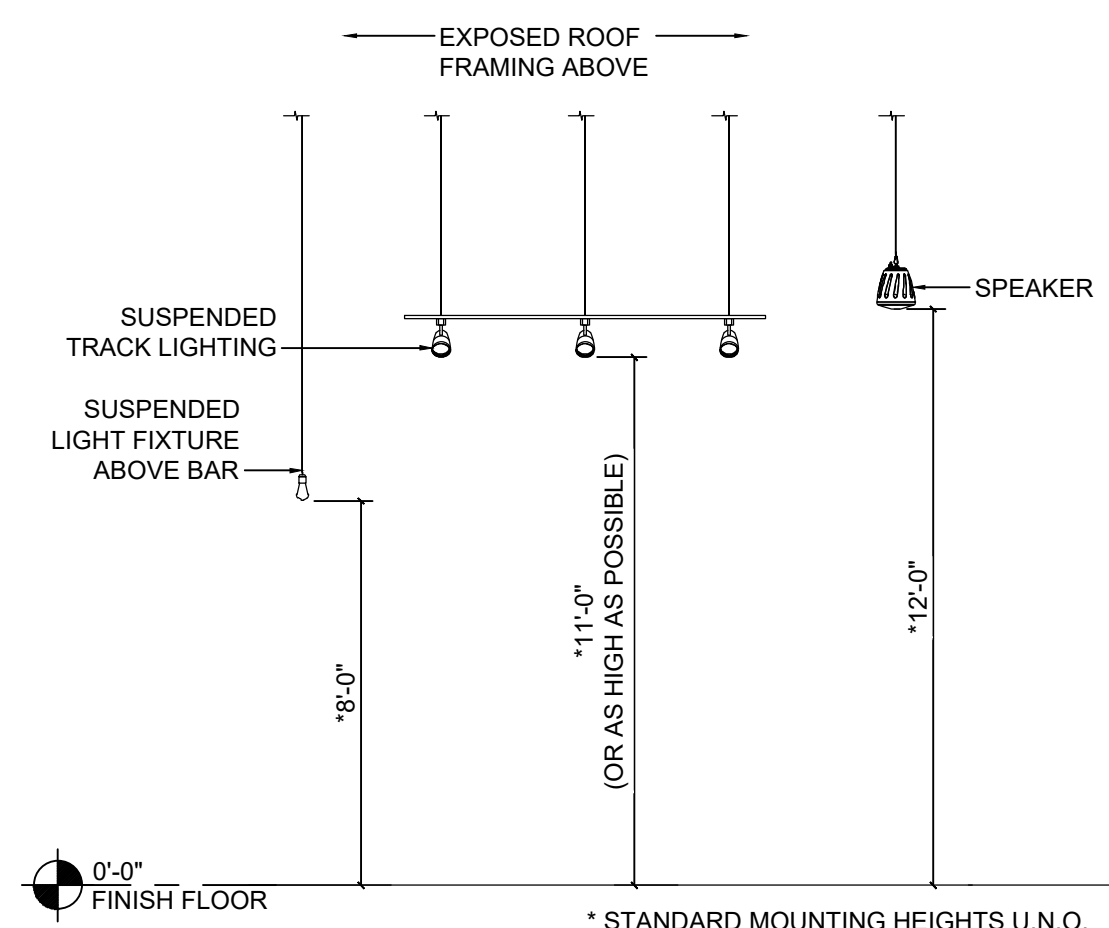
3 TYP. RESTROOM ELEV.
SCALE: 1/2" = 1'-0"



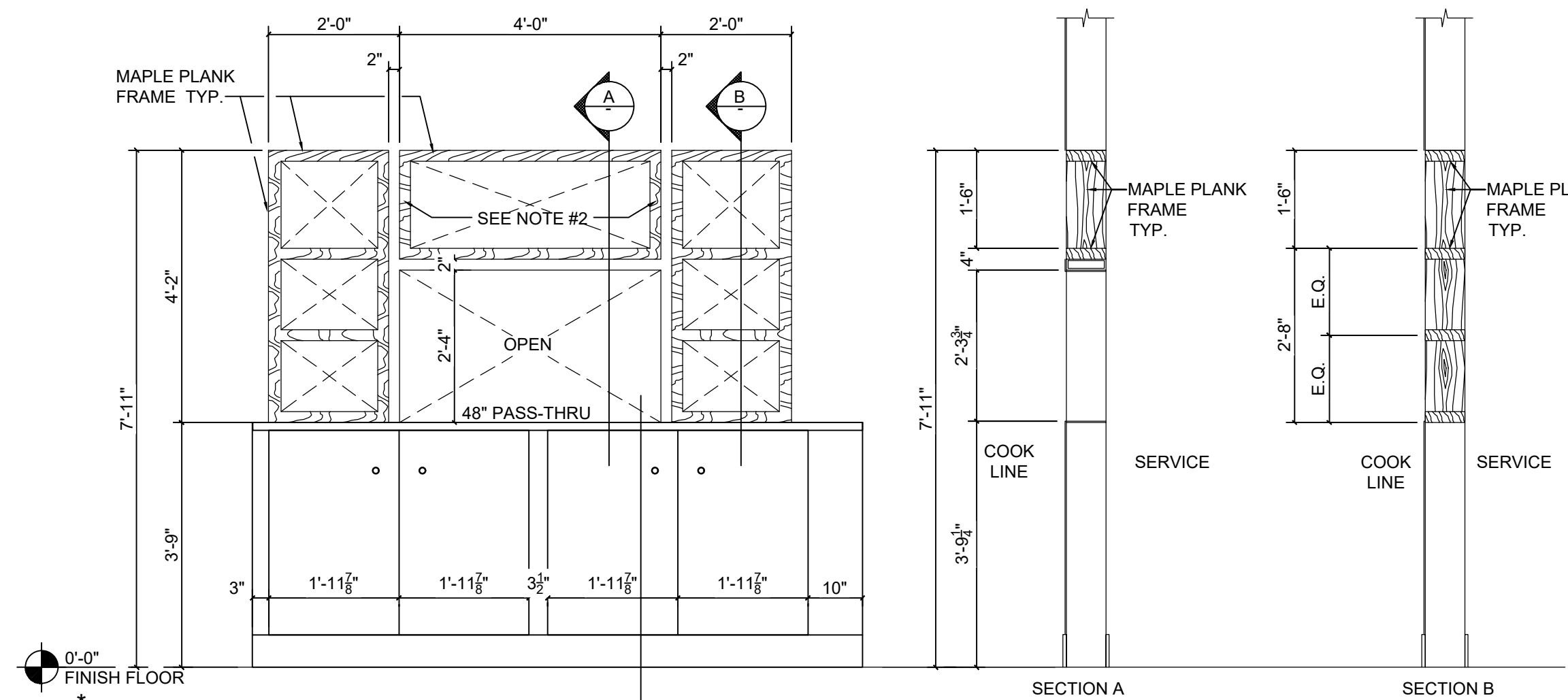
2 TYP. RESTROOM ELEV.
SCALE: 1/2" = 1'-0"



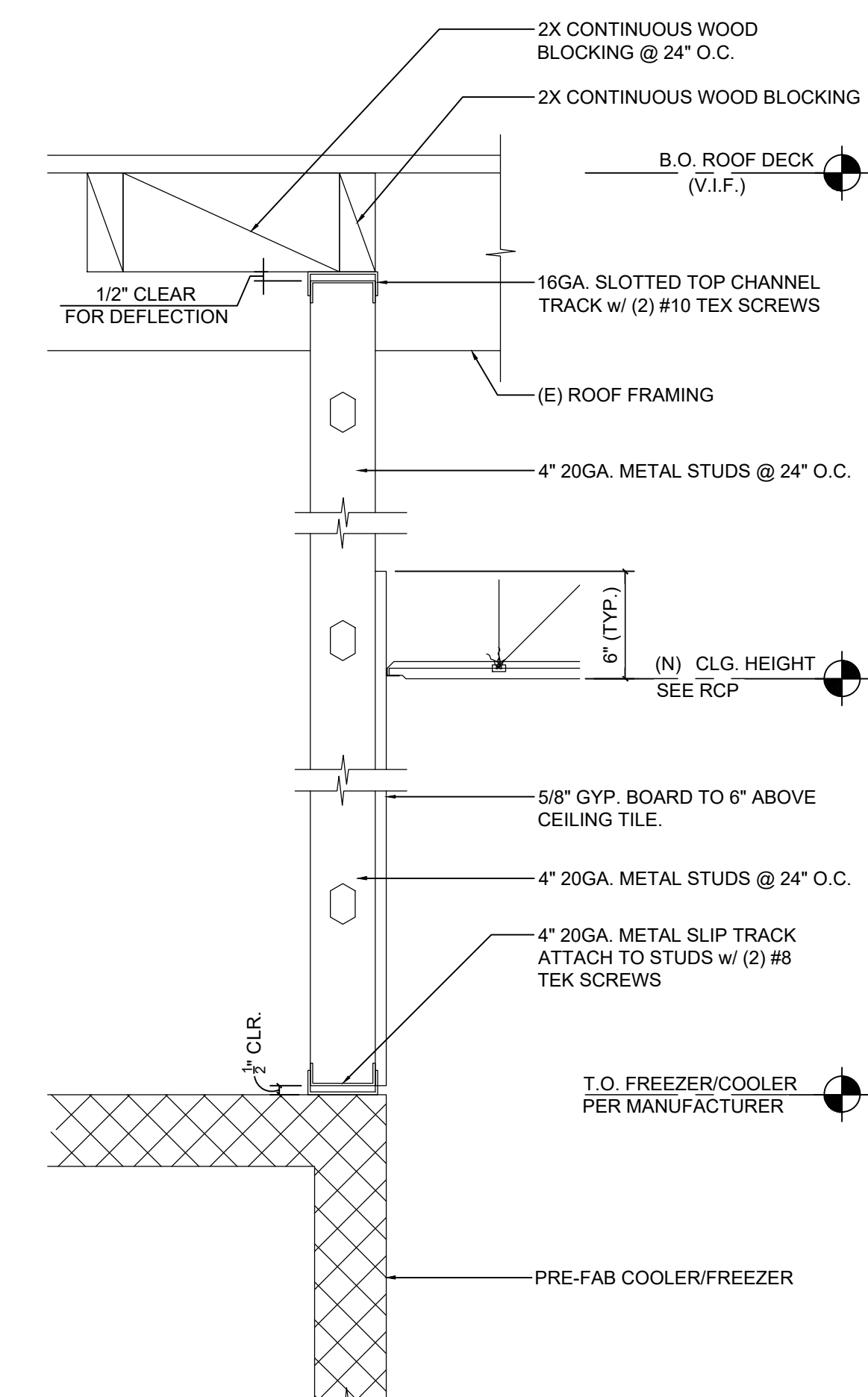
1 TYP. RESTROOM ELEV.
SCALE: 1/2" = 1'-0"



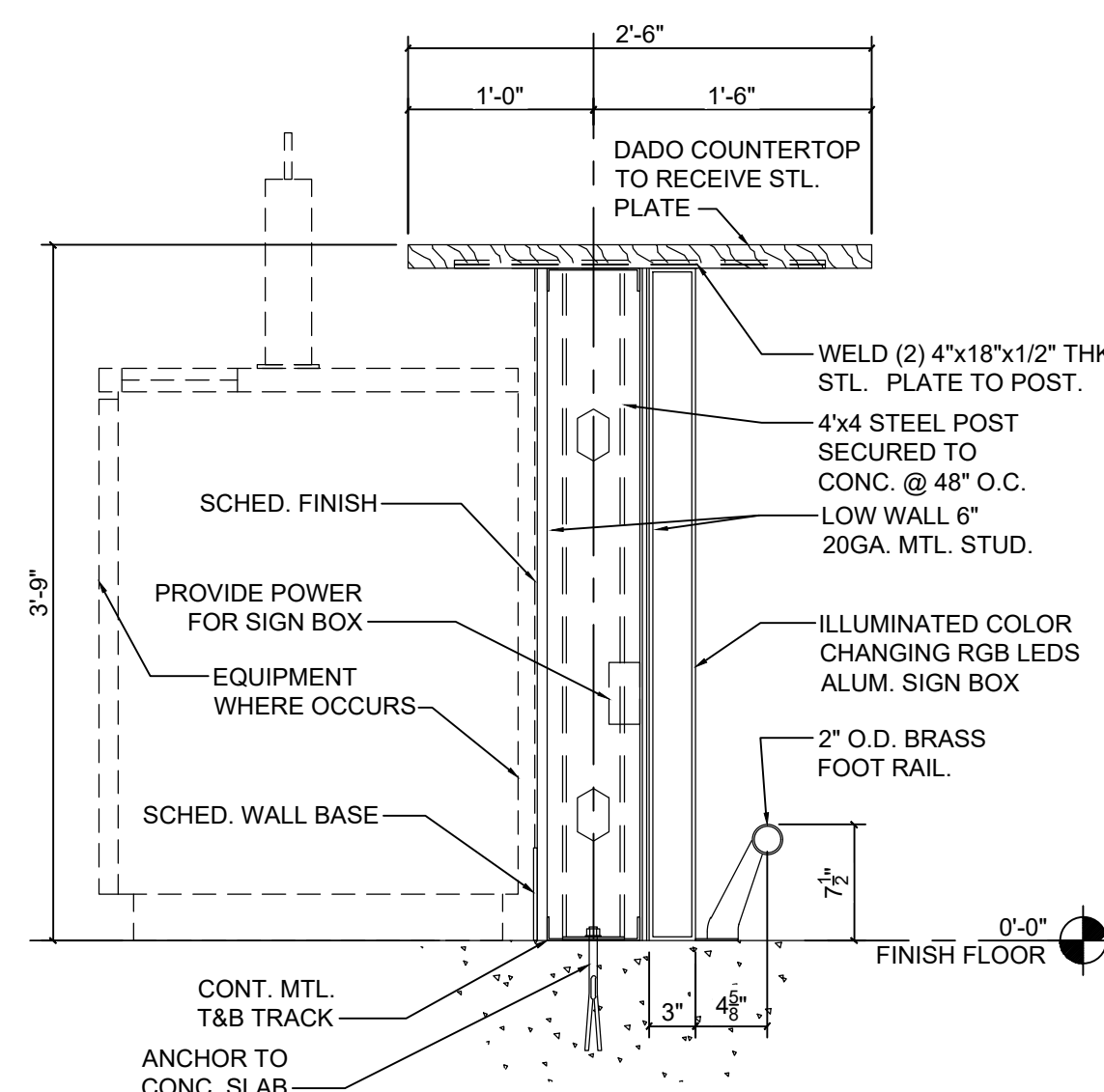
6 TYP. CEILING FIXTURE HEIGHTS
A403 SCALE: 1/4" = 1'-0"



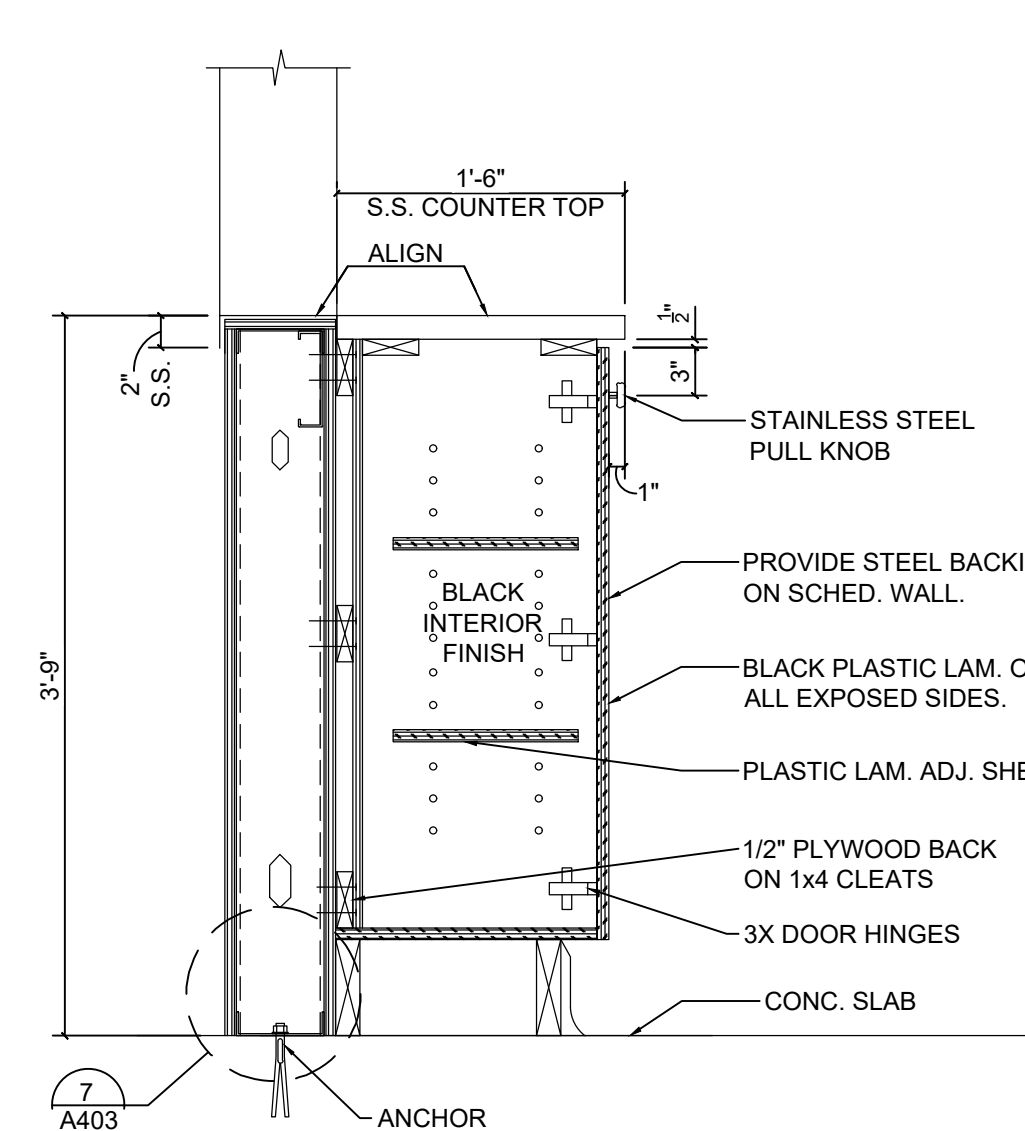
5 PASS THRU SECTION
A403 SCALE: 1/2" = 1'-0"



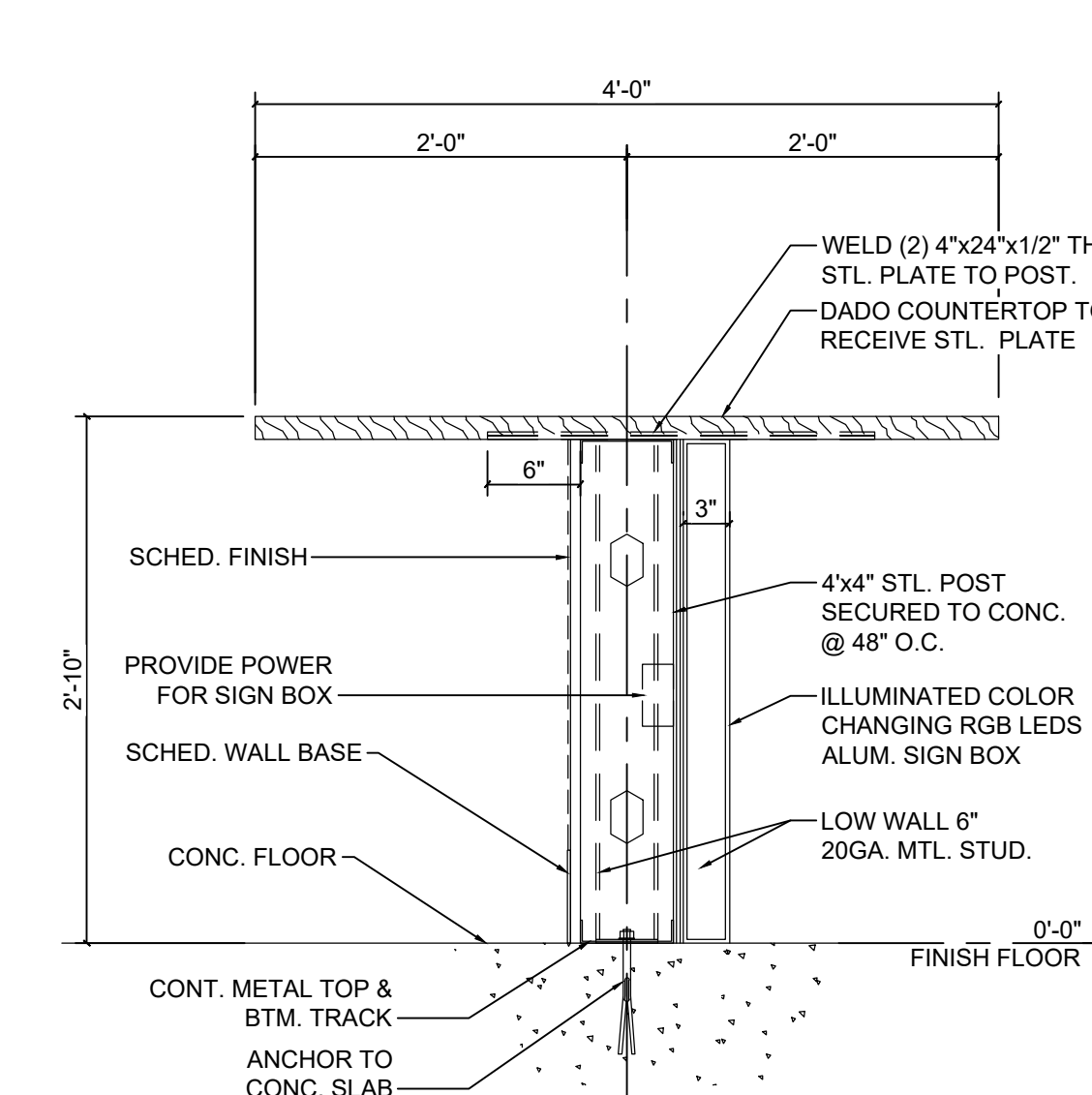
1 FREEZER BULKHEAD
A403 SCALE: 1-1/2" = 1'-0"



7 TYP. BOTTOM TRACK
A403 SCALE: 1" = 1'-0"



3 CABINET AT PASS-THRU DTL.
A403 SCALE: 1" = 1'-0"

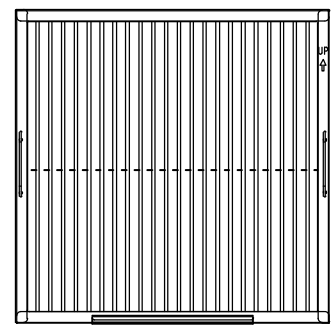


2 ACCESS. COUNTER DTL.
A403 SCALE: 1" = 1'-0"

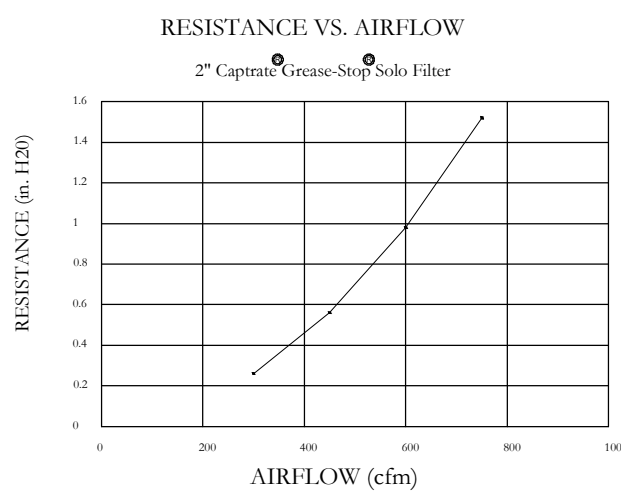
NOTE: GENERAL CONTRACTOR TO COORDINATE W/ OWNER FOR LED REQUIREMENTS

NOTE: GC TO COORDINATE W/ OWNER FOR LED REQUIREMENTS

4 COUNTER DTL.
A403 SCALE: 1" = 1'-0"



Caprate Grease-Stop Solo Filter



Filter Detail CAPRATE

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)
 SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED
 TOTAL DUCT AREA=144 X $\frac{CFM}{FPM(*)}$
 DUCT LENGTH= $\frac{TOTAL DUCT AREA}{DUCT DEPTH}$
 GREASE-STOP SOLO FILTER IS ETL LISTED UNDER FILE NUMBER 3064494-001 AND COMPLES WITH UL1046 STANDARD, NSF STANDARD #2, NFPA 96 AND IBC. CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1600-1800 FPM AND A SUPPLY VELOCITY OF 1000 FPM. PLEASE CONSULT FACTORY FOR MAXIMUM ALLOWABLE DUCT SIZES.

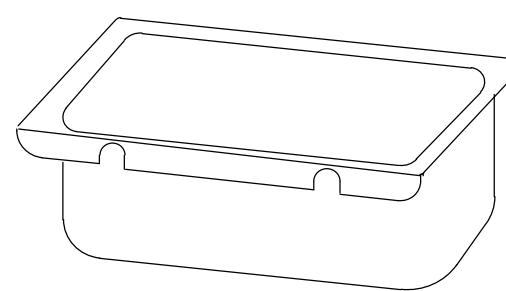
CALCULATIONS UTILIZED

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

- NFPA #96
- B.O.C.A. #93-16
- LCB.O. 34416
- SBCD1 P&T & ESI NO. 93137
- E.T.L. LISTED 3054804-001
- LOS ANGELES RR#8080
- ETL IS LISTED TO ULC STANDARDS

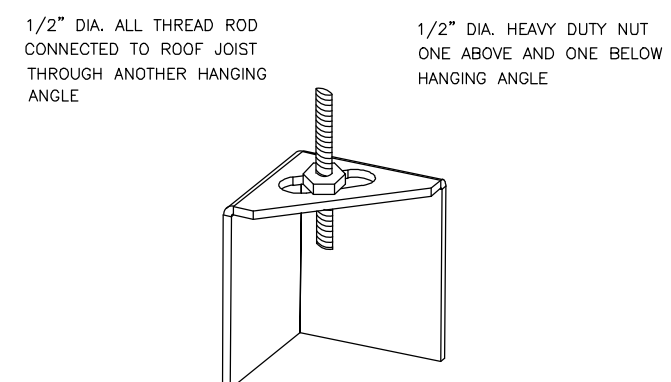


BUILDING CODES



GREASE CUP WILL BE SUPPORTED BY TWO STUDS ON THE INSIDE WALL OF THE HOOD. THE GREASE WILL DRAIN THROUGH A CONCEALED GREASE TROUGH AND INTO THIS REMOVABLE/CLEANABLE CUP.

1/2 Pint Grease Cup Detail



* ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR. HANGING ANGLE IS PRE-PUNCHED AT FACTORY.

ND-2 HANGING ANGLE DETAIL

HANGING ANGLES WILL BE LOCATED IN THE FOLLOWING LOCATIONS FOR WALL CANOPIES

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24" High Hood)	DIM FROM FRONT (30" High Hood)
Wall Exhaust Only	4.166"	2.25"	2.25"
Wall Exhaust With MUA		2.25"	2.25"
Back Shelf Exhaust Only	4.166"	2.25"	2.25"
Back Shelf Exhaust With MUA		2.25"	2.25"
Condensate	2.25"	2.25"	

HANGING ANGLE LOCATIONS

HOOD INFORMATION - Job#3883542

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)				TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.				
						WIDTH	LENG.	HEIGHT	DIA.			CFM	VEL.	S.P.	END TO END	ROW
1		5430 ND-2-PSP-F	12' 0"	600 Deg.	3000			4"	18"	3000	1698	-0.951"	2550	430 SS Where Exposed	ALONE	ALONE

HOOD INFORMATION

HOOD NO.	TAG	TYPE	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WGT	
			QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #			SWITCHES QUANTITY
1		Caprate Solo Filter	9	20"	16"	85% See Filter Spec.	4	L55 Series E26	NO	Wall Mnt	12"x48"x24"	Ansul R102	3.0/3.0	SC-31110FP	1 Light 1 Fan	YES	702 LBS

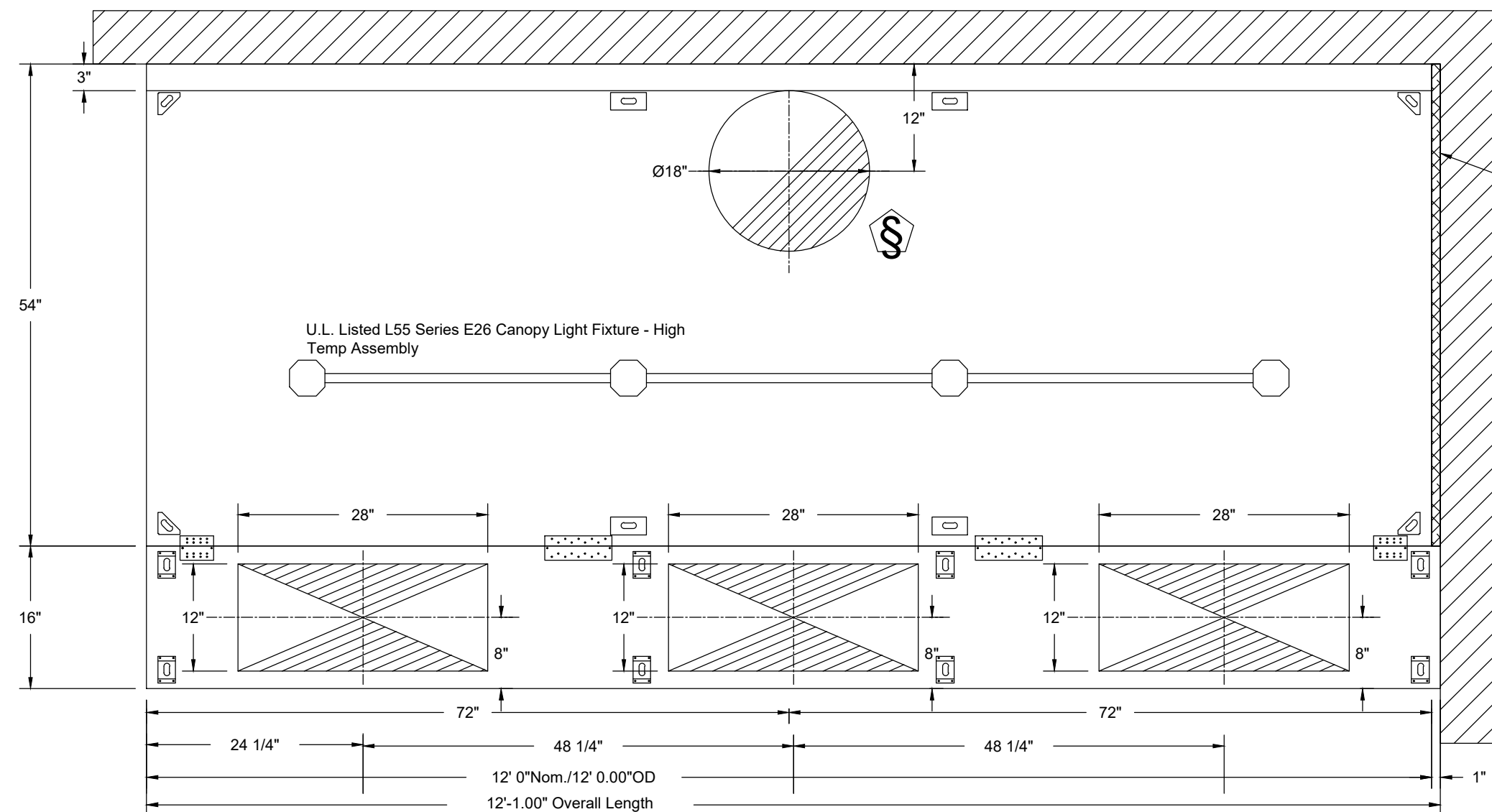
HOOD OPTIONS

HOOD NO.	TAG	OPTION
1		FIELD WRAPPER 3.00" High Front, Left, Right
		RIGHT END STANDOFF (FINISHED) 1" Wide 54" Long Insulated
		STRUCTURAL FRONT PANEL

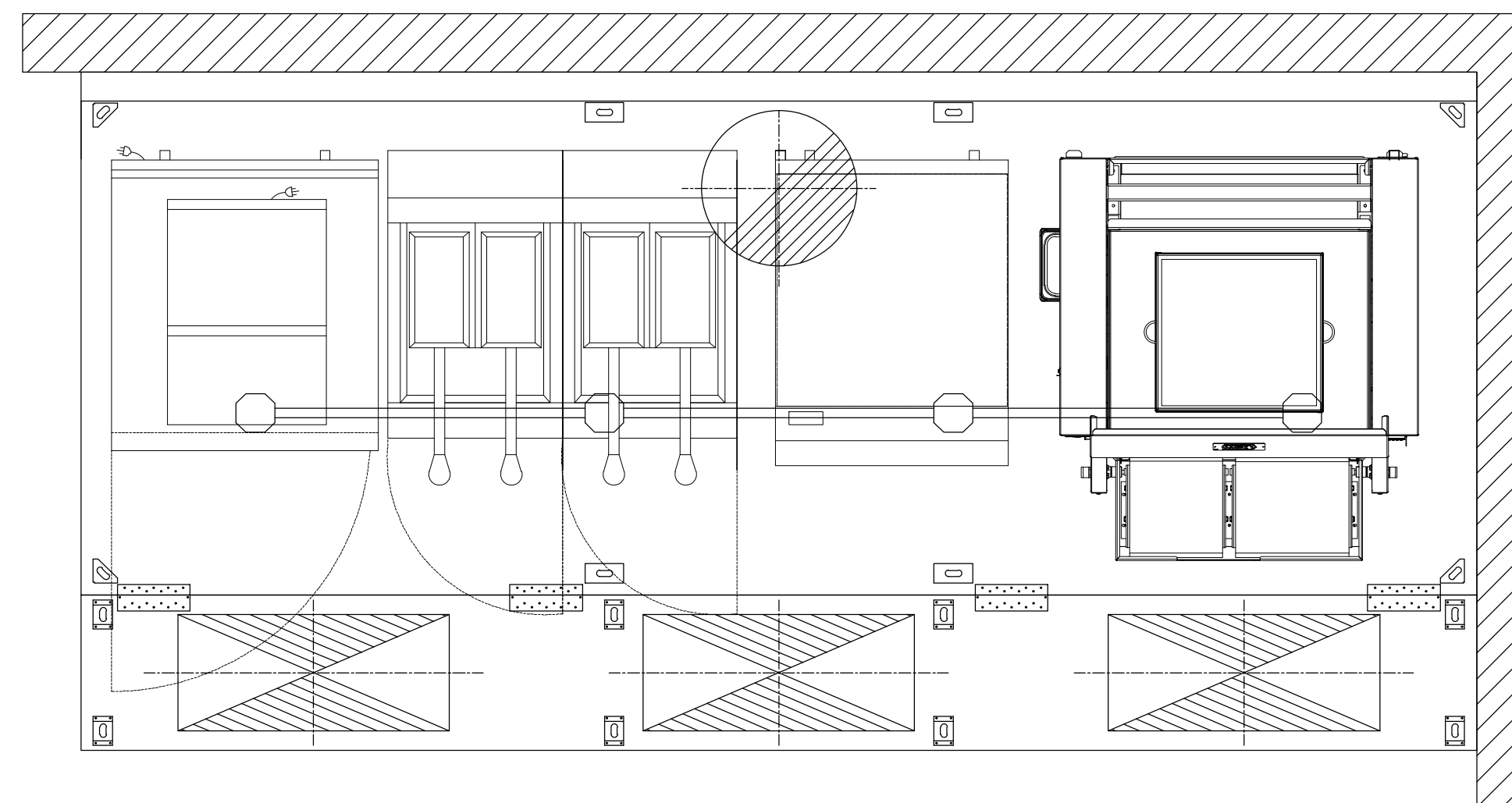
PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
1		Front	145"	16"	6"	MUA	12"	28"		849	0.266"
						MUA	12"	28"		849	0.266"
						MUA	12"	28"		849	0.266"

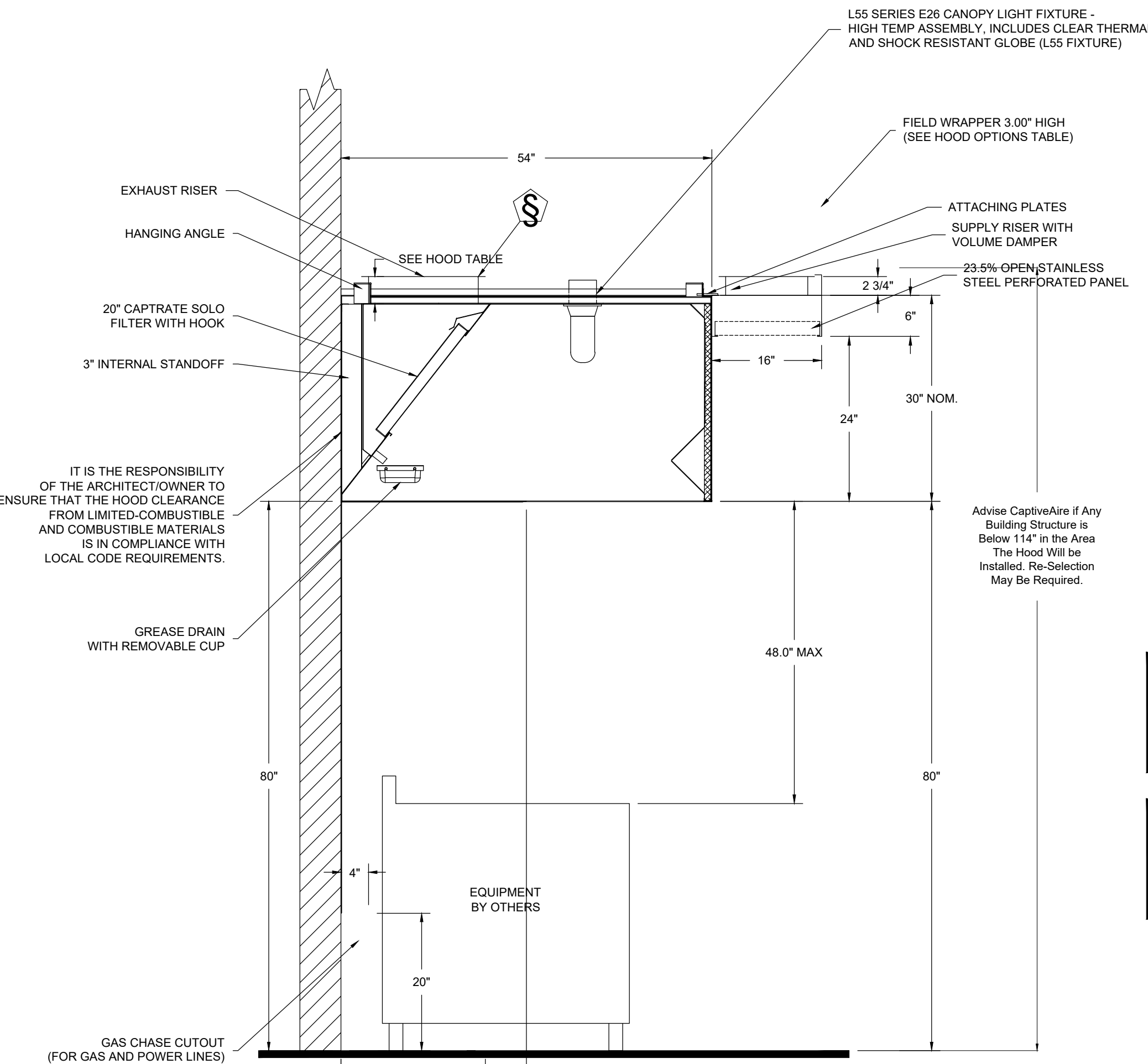
CONTRACTOR TO VERIFY HOOD LOCATION MEETS OVERHANG REQUIREMENTS DETAILED HERE BEFORE INSTALLATION. CONTACT CAPTIVE-AIRE WITH QUESTIONS.



PLAN VIEW - Hood #1
 12' 0.00" LONG 5430ND-2-PSP-F
 NOTE: Additional hanging angles provided for hoods 12' and longer.



PLAN VIEW - Hood #1 Appliance Overhang Detail



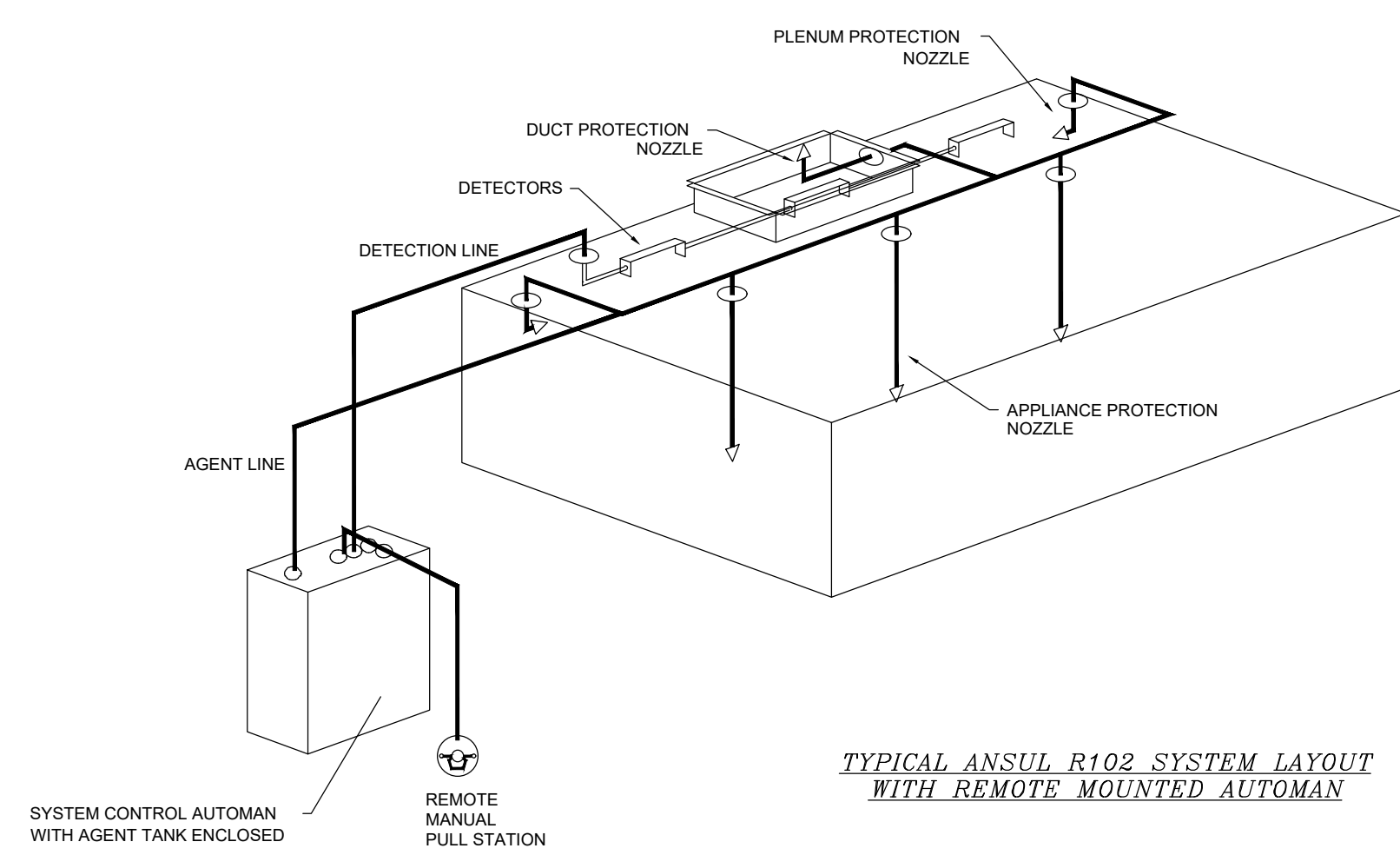
SECTION VIEW - MODEL 5430ND-2-PSP-F HOOD - #1

1" LAYER OF INSULATION FACTORY INSTALLED IN 1.00" END STANDOFF MEETS 0" REQUIREMENTS CLEARANCE TO COMBUSTIBLE SURFACES.

FOR REFERENCE ONLY - TO BE PROVIDED BY OWNER

All Hoods, Exhaust Fans, Tempered/Untempered Make-Up Air Units and Electrical Package to be Start-up and Commissioned by Factory Field Service Technician. Start-Up Report to be Sent to Engineer by Manufacturer When Complete.

FOR QUESTIONS CALL:
 RYAN CHURCH
 LOS ANGELES SALES OFFICE
 REFERENCE JOB NUMBER
 PHONE: 310.876.8505 REG81@CAPTIVEAIRE.COM



TYPICAL ANSUL R102 SYSTEM LAYOUT WITH REMOTE MOUNTED AUTOMAN

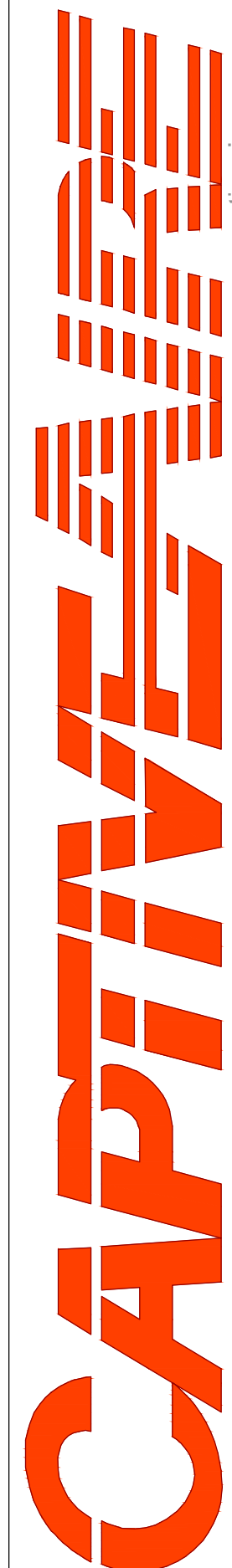
Fire System Information - Job#3883542

FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0/3.0	10	Wall Utility Cabinet Right	N/A

GAS VALVE(S)

FIRE SYSTEM NO.	TAG	TYPE	SIZE	SUPPLIED BY
1		Mechanical	2.000	CaptiveAire Systems

REVISIONS	
DESCRIPTION	DATE



Los Angeles Office

www.captiveaire.com

1810 14th St Suite 214, Santa Monica, CA 90404 PHONE: (310) 876-8505 FAX: (919) 747-5638 EMAIL: reg81@captiveaire.com

BURGERIM
 Atlanta (Druid), GA

DATE: 6/26/2019

DWG.#: 3883542

DRAWN BY: RJC-81

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

Specifcaiton

SHEET NO. 1 of 3



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BURGERIM
 TOCO HILLS SHOPPING CENTER
 2929 N. Druid Hills Rd., Suite F,
 Atlanta, GA 30329

DATE	ISSUED FOR:
07/03/2019	REVIEW
07/23/2019	Construction
09/26/2019	HVAC



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M102

EXHAUST FAN INFORMATION - Job#3883542

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1	EF-1	DU180HFA	3000	1.500	1315	2.000	1.2080	3	208	6.1	693 FPM	161	19.2

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTUs	OUTPUT BTUs	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
2	MUA-1	140858	129405	48 deg F	7 in. w.c. - 14 in. w.c.	Natural

FOR REFERENCE ONLY - TO BE PROVIDED BY OWNER

CONDENSER DETAILS

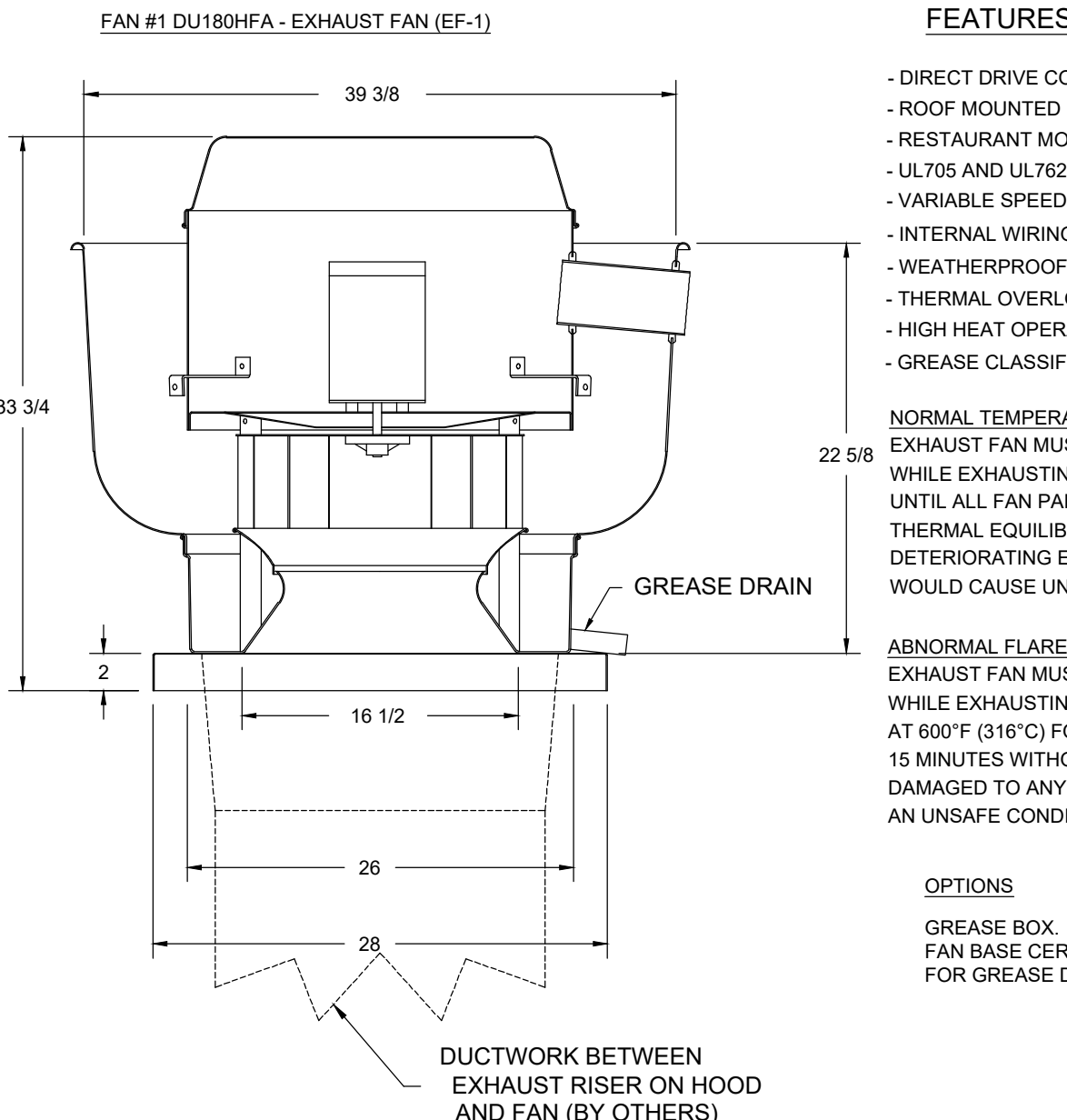
FAN UNIT NO.	TAG	FAN UNIT MODEL #	CONDENSER NO.	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX. FUSE SIZE	MIN. WIRE SIZE	SEER
2	MUA-1	A2-D.250-20D-MPU	1	5	208-230	3 PHASE	60 Hz	21.4 Amps	17.4 Amps	30 Amps	10 AWG	14

MUA FAN INFORMATION - Job#3883542

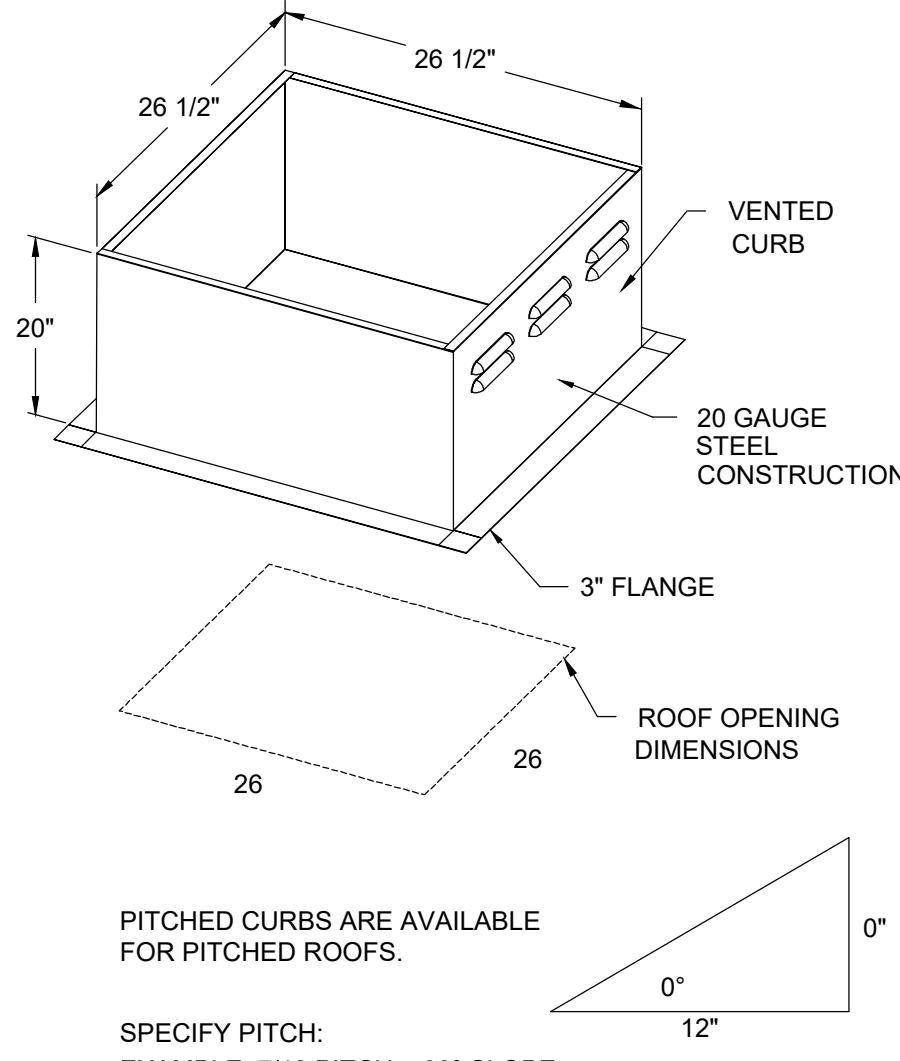
FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	COOLING COIL ENTERING DB TEMP.	COOLING COIL ENTERING WB TEMP.	COOLING COIL LEAVING DB TEMP.	COOLING COIL LEAVING WB TEMP.	COOLING COIL TOTAL CAPACITY	COOLING COIL SENSIBLE CAPACITY	COOLING COIL LATENT CAPACITY	WEIGHT (LBS.)	SONES	BURNER EFFICIENCY(%)
2	MUA-1	A2-D.250-20D-MPU	20MF-2-MOD	A2-D.250	2000	2550	0.500	1192	2.000	0.9240	3	208	6.1	91.0°F	74.0°F	77.8°F	68.4°F	52.1 MBH	35.1 MBH	17.0 MBH	1476	10.1	92

FAN OPTIONS

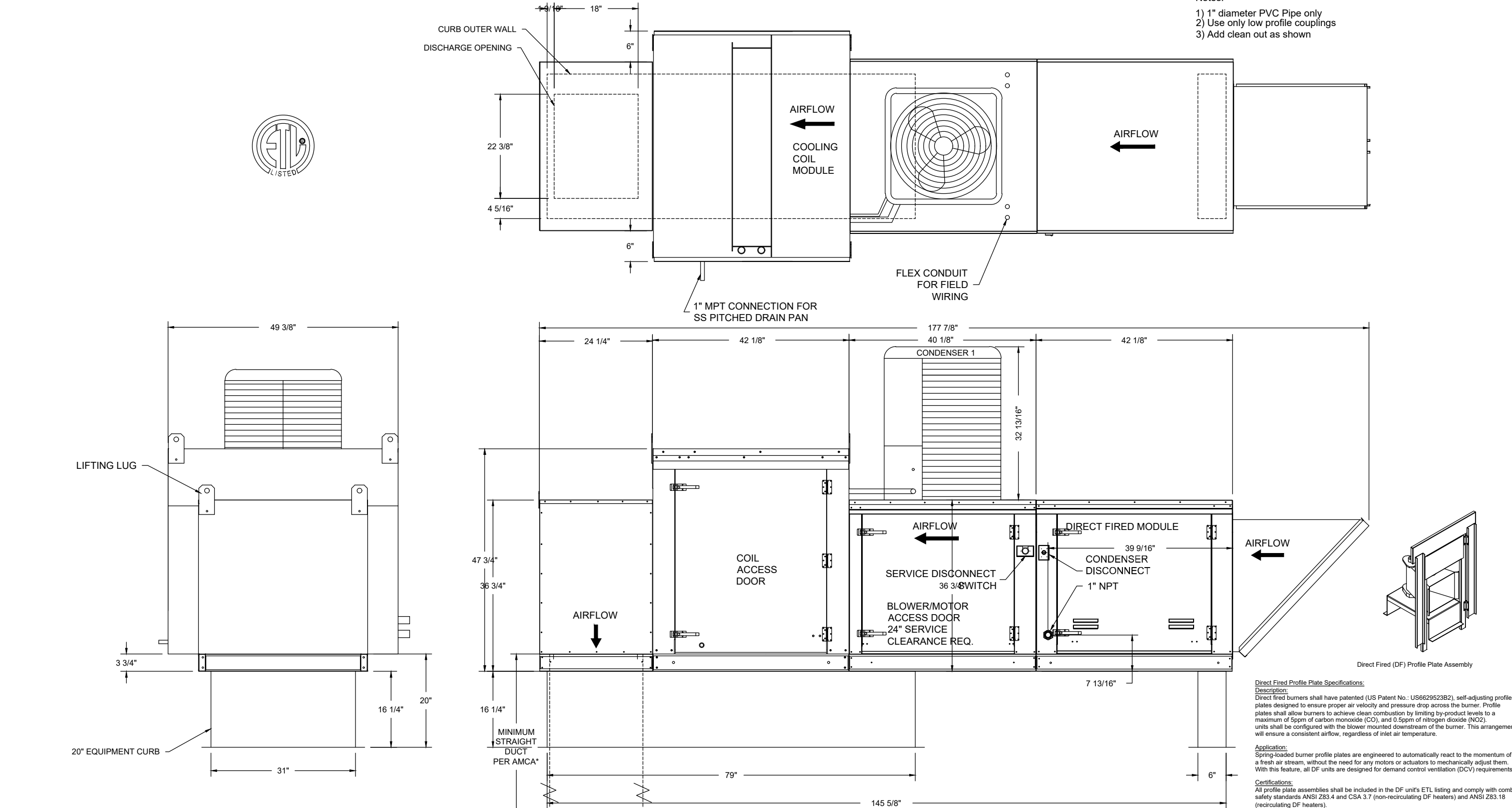
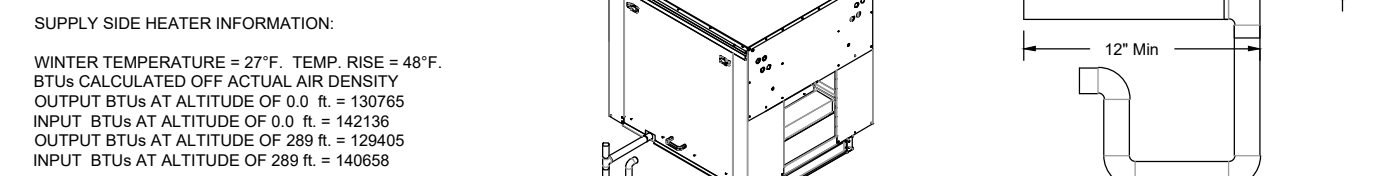
FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1	EF-1	1 - Grease Box 1 - Fan Base Ceramic Seal - Ship Loose - For Grease Ducts 1 - Motorized Backdraft Damper for A2-D Housing 1 - Low Fire Start 1 - Inlet Pressure Gauge, 0-35" 1 - Manifold Pressure Gauge, -5 to 15" wc 1 - Freezestat (10)
2	MUA-1	1 - 5 Ton Single Circuit Modular Packaged Cooling Option for Size 2 MUA (2,000 to 3,000 cfm), 208V/200V, 3 phase, Cooling Thermostat or Programmable Stat Required for Proper Operation. 1 - Downturn Plenum for Size 2 DX Coil Module 1 - Cooling Thermostat and Relay (Not req for evap) 1 - Separate 120V Wiring Package (Required and used only for DCV or Prewire with VFD) - Three Phase Only 1 - Size 2 Direct Fired Heater Low CFM Profile Package. Used on Heaters under 2500 cfm.



- FEATURES:**
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
 - ROOF MOUNTED FANS
 - RESTAURANT MODEL
 - UL705 AND UL762 AND ULC-S645
 - VARIABLE SPEED CONTROL
 - INTERNAL WIRING
 - WEATHERPROOF DISCONNECT
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
 - HIGH HEAT OPERATION 300°F (149°C)
 - GREASE CLASSIFICATION TESTING
- NORMAL TEMPERATURE TEST**
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.
- ABNORMAL FLARE-UP TEST**
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

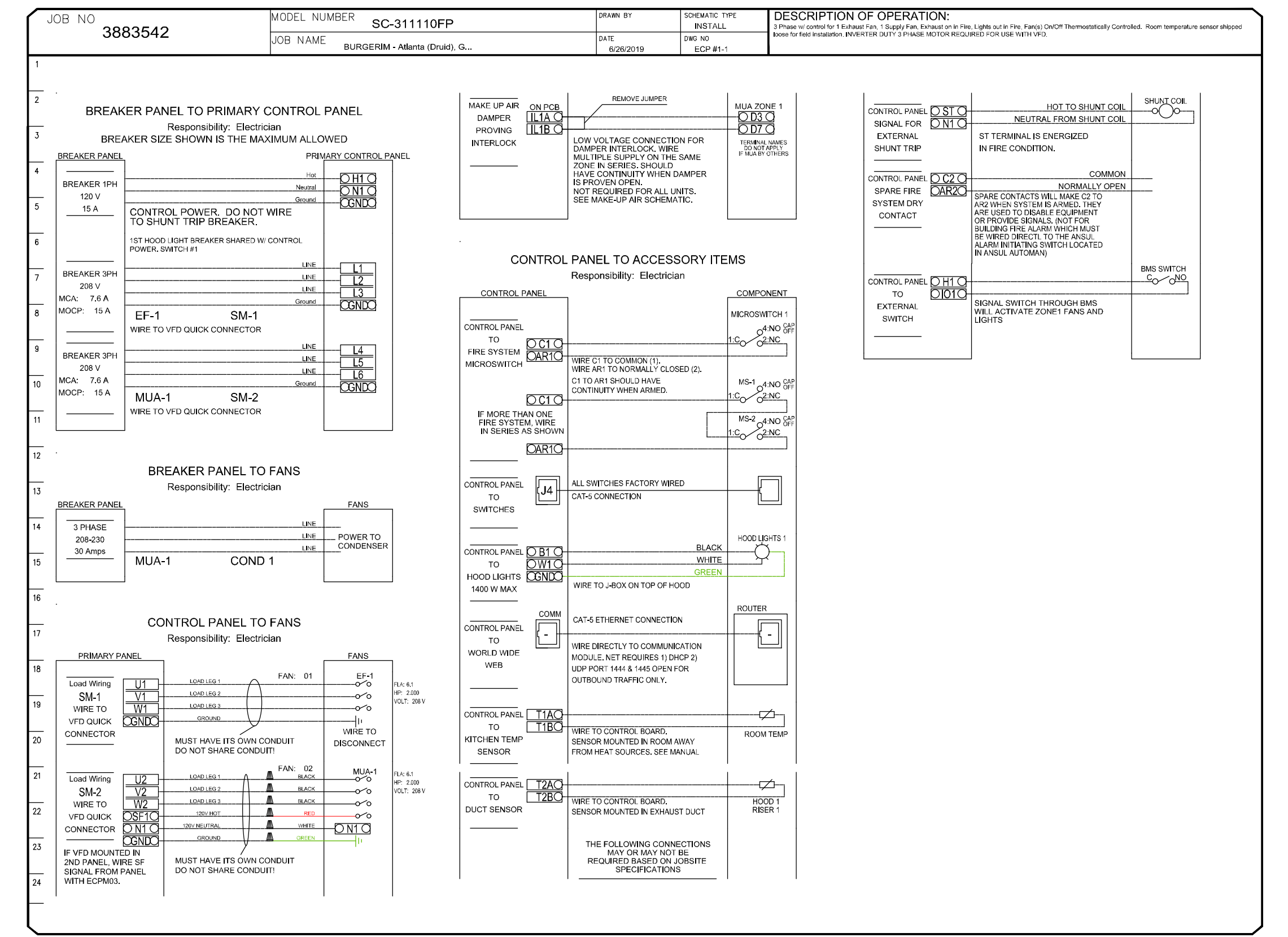
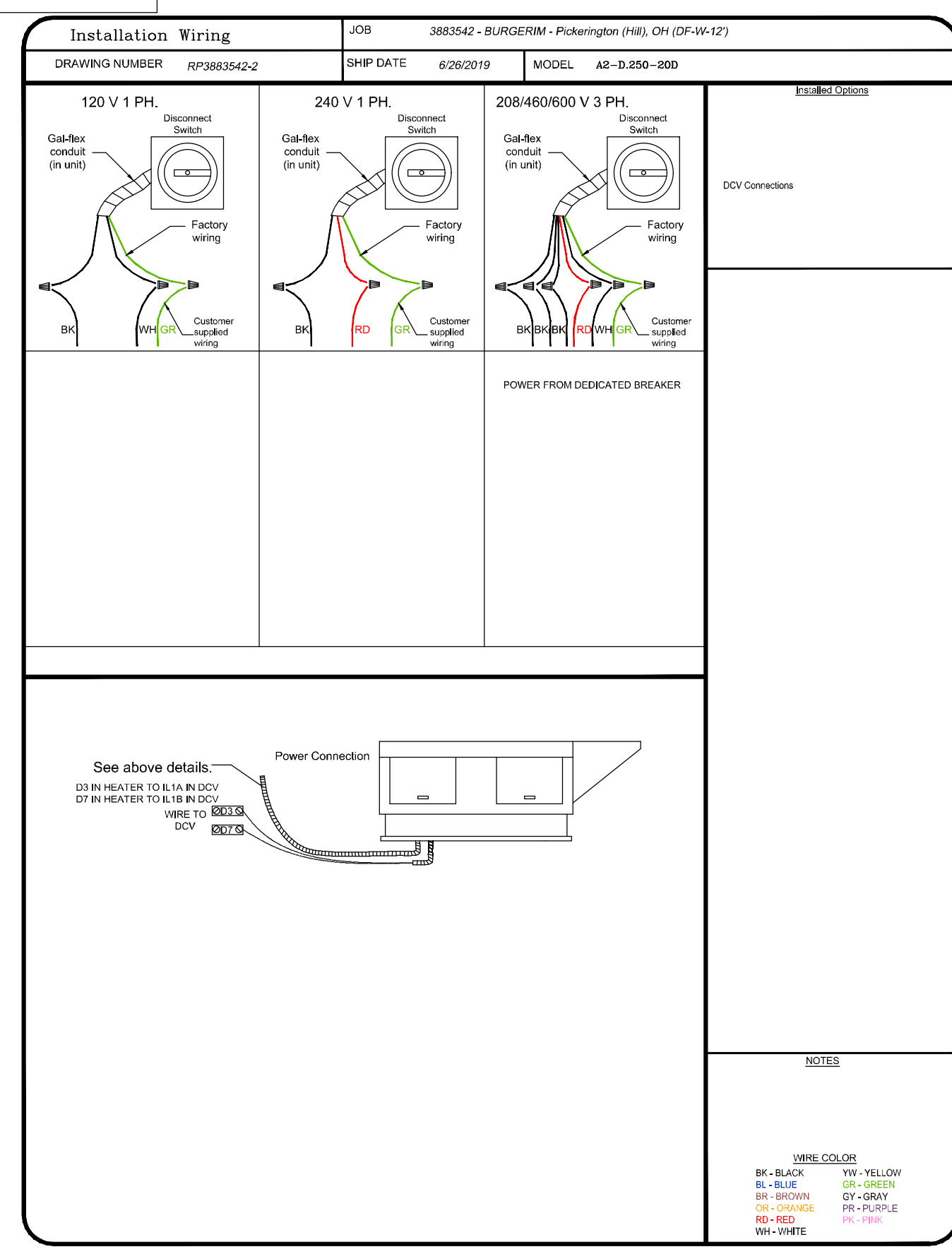


- FAN #2 A2-D.250-20D-MPU - HEATER (MUA-1)
- DIRECT GAS FIRED HEATED MAKE-UP AIR UNIT WITH 20" DIRECT DRIVE FAN
 - INTAKE HOOD WITH EZ FILTERS-LOW CFM
 - DOWN DISCHARGE - AIR FLOW RIGHT - LEFT
 - MOTORIZED BACK DRAFT DAMPER 22 7/8" X 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, 1 1/2" TONNAGE ACTUATOR INCLUDED
 - LOW FIRE START - ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
 - GAS PRESSURE GAUGE, 5/32" x 2 1/2" DIAMETER, 1/4" THREAD SIZE
 - FREEZESTAT WITH 10 SENSOR, FACTORY SET AT 35°F AND 10 MINUTES
 - 5 TON, SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 2 MODULAR PACKAGED UNIT, INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING (2,000 TO 3,000 CFM), NOT BUILT WITH OPPOSITE SIDE CONTROLS OR OPPOSITE AIRFLOW DIRECTION. CONDENSERS REQUIRE SEPARATE 200V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION. COIL = 3E2100R
 - DOWNTURN PLENUM FOR SIZE 2 COOLING COIL MODULE - REQUIRED FOR DOWN DISCHARGE COOLING COIL APPLICATIONS
 - DX COOLING INTAKE AIR THERMOSTAT AND RELAYS MOUNTED IN UNIT - SET POINT FOR THERMOSTAT SHOULD BE 85°F
 - SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.
 - PROFILE PLATE CONFIGURATION FOR SIZE 2 DIRECT FIRED UNIT FOR LOW CFM APPLICATIONS.
- *NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN SMACNA PUBLICATION 011. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" X 20"



ELECTRICAL PACKAGE - Job#3883542

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	Ø	H.P.	VOLT	FLA
1		SC-31110FP	Wall Utility Cabinet Right	13 - Wall Utility Cab: on Right End Hood # 1	1 Light	Smart Controls Thermostatic Control	EF-1	Exhaust	3	2,000	208	6.1
							MUA-1	Supply	3	2,000	208	6.1



REVISIONS	
DESCRIPTION	DATE

CAPTIVE

Los Angeles Office

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BURGERIM

Atlanta (Druid), GA

DATE: 6/26/2019

DWG.#: 3883542

DRAWN BY: RJC - 81

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

Specifcaiton

SHEET NO. 2 of 3

BURGERIM

TOCO HILLS SHOPPING CENTER
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Atlanta, GA 30329

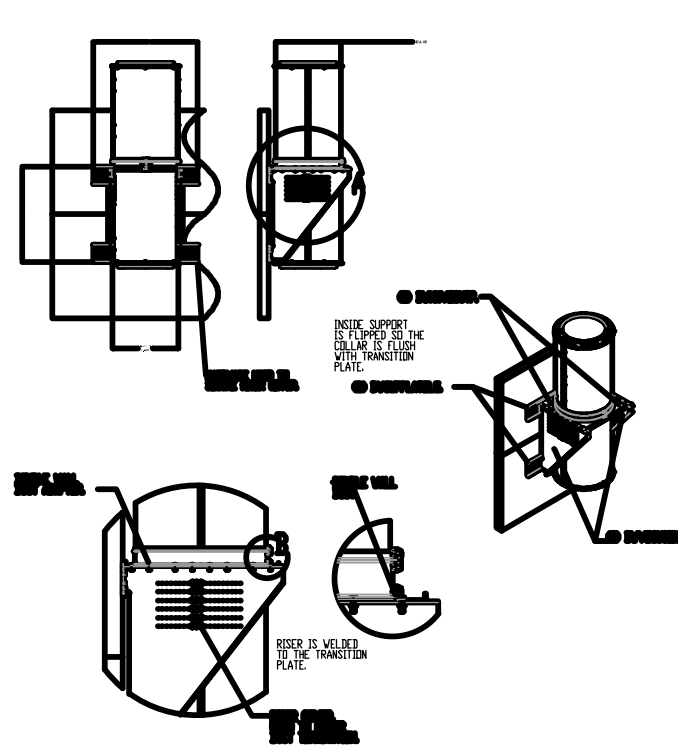
DATE ISSUED FOR: 07/03/2019 REVIEW
07/23/2019 Construction
09/26/2019 HVAC

STATE OF GEORGIA REGISTERED ARCHITECT

GLENN R. RAHN

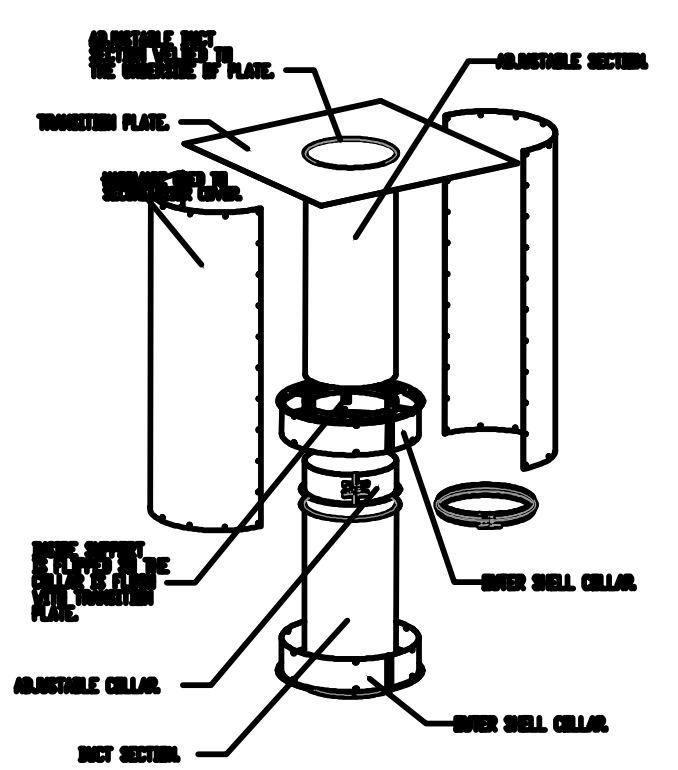
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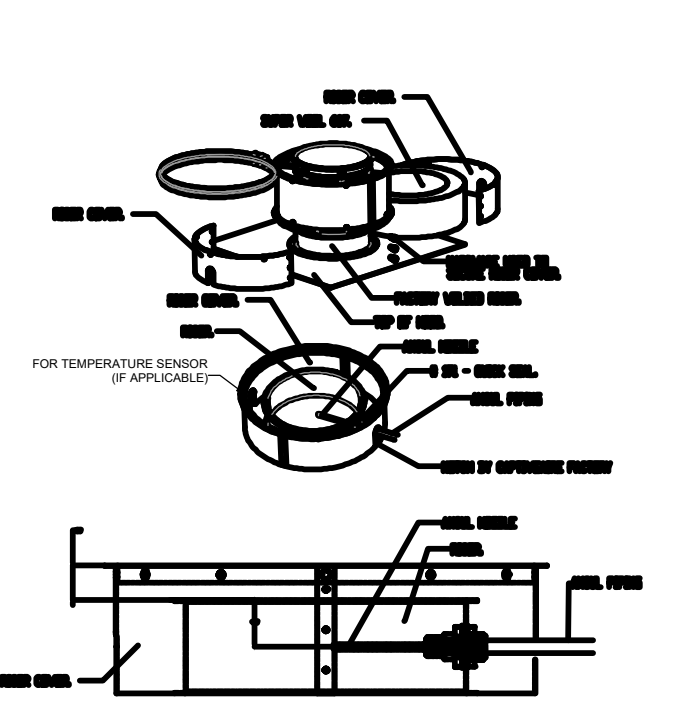


DUCT DIAMETER	MAXIMUM SPACING (FT)
8"	10'
10"	10'
12"	10'
14"	10'
16"	10'
18"	10'
20"	10'
24"	10'

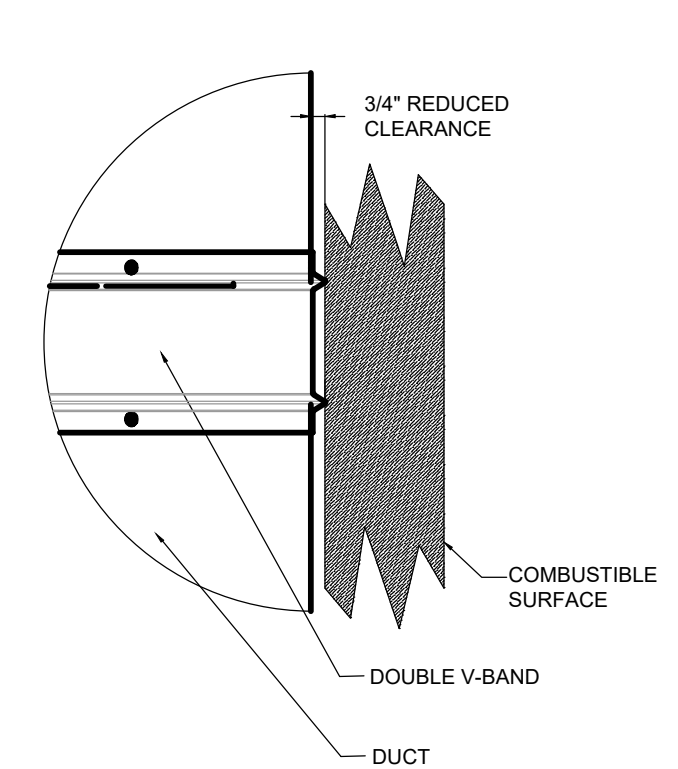
DUCT SUPPORT ASSEMBLY



TRANSITION PLATE DETAIL



OUTER DUCT BAND DETAIL

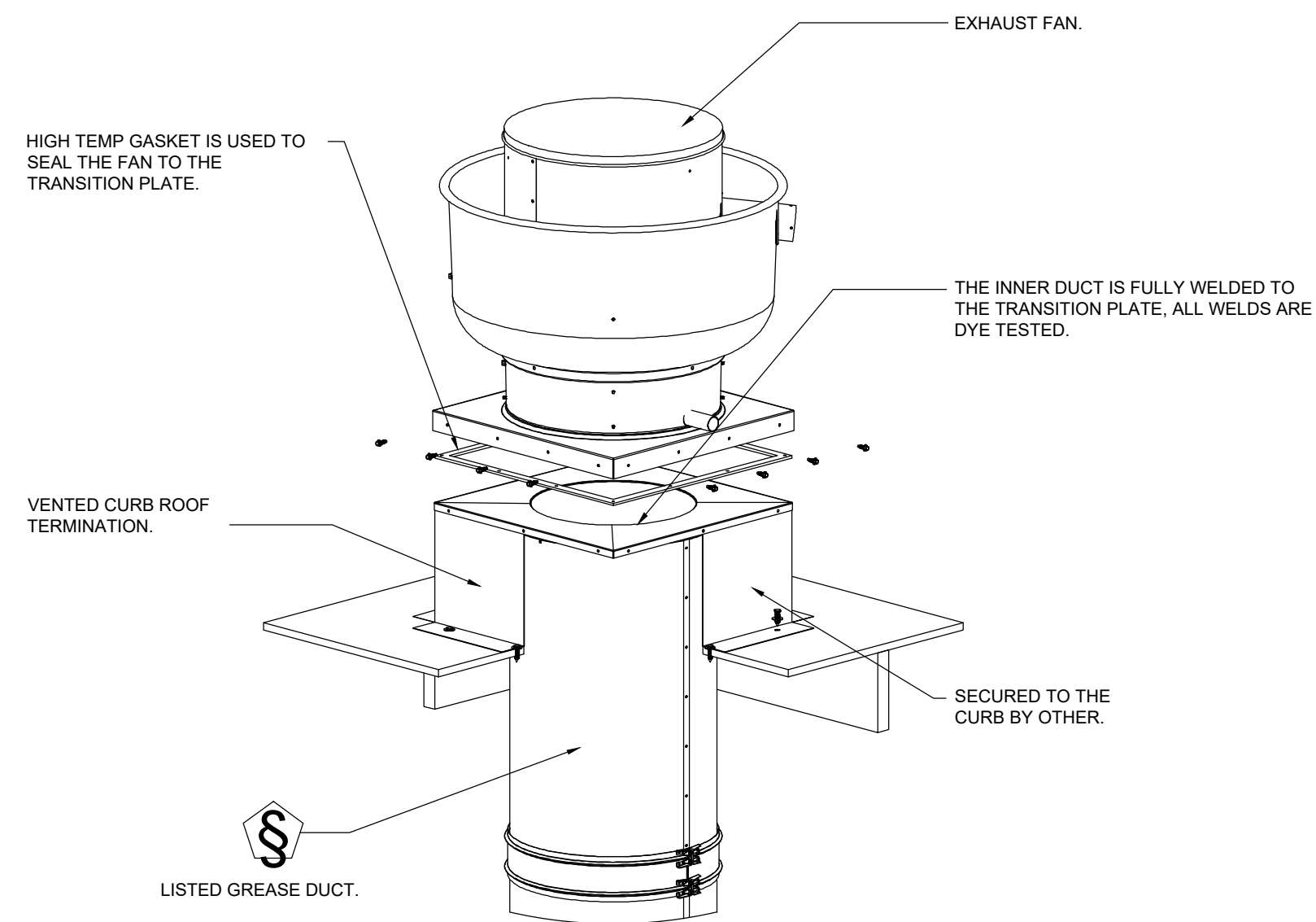


REDUCED CLEARANCE DETAIL

- DUCT RUN TO BE FIELD VERIFIED, PARTS SUBJECT TO CHANGE
- DUCT RUNS TO HAVE CLEANOUTS EVERY 10', AND EVERY CHANGE OF DIRECTION UNLESS SPECIFIED OTHERWISE.
- VERTICAL HANGING SUPPORTS TO BE EVERY 10', HORIZONTAL SUPPORTS TO BE EVERY 7' FOR INNER DUCT DIA 8" TO 16" AND EVERY 5' FOR INNER DUCT DIA 18" TO 24".
- ADJUSTABLE DUCT OVERLAP TO BE NO LESS THAN 6", UNLESS INNER DIAMETER IS 8" (4" OVERLAP) OR 10" (5" OVERLAP).
- 3/4" CLEARANCE TO COMBUSTIBLES IS FROM OUTER SHELL, V-BAND IS LISTED TO BE AGAINST SURFACE.

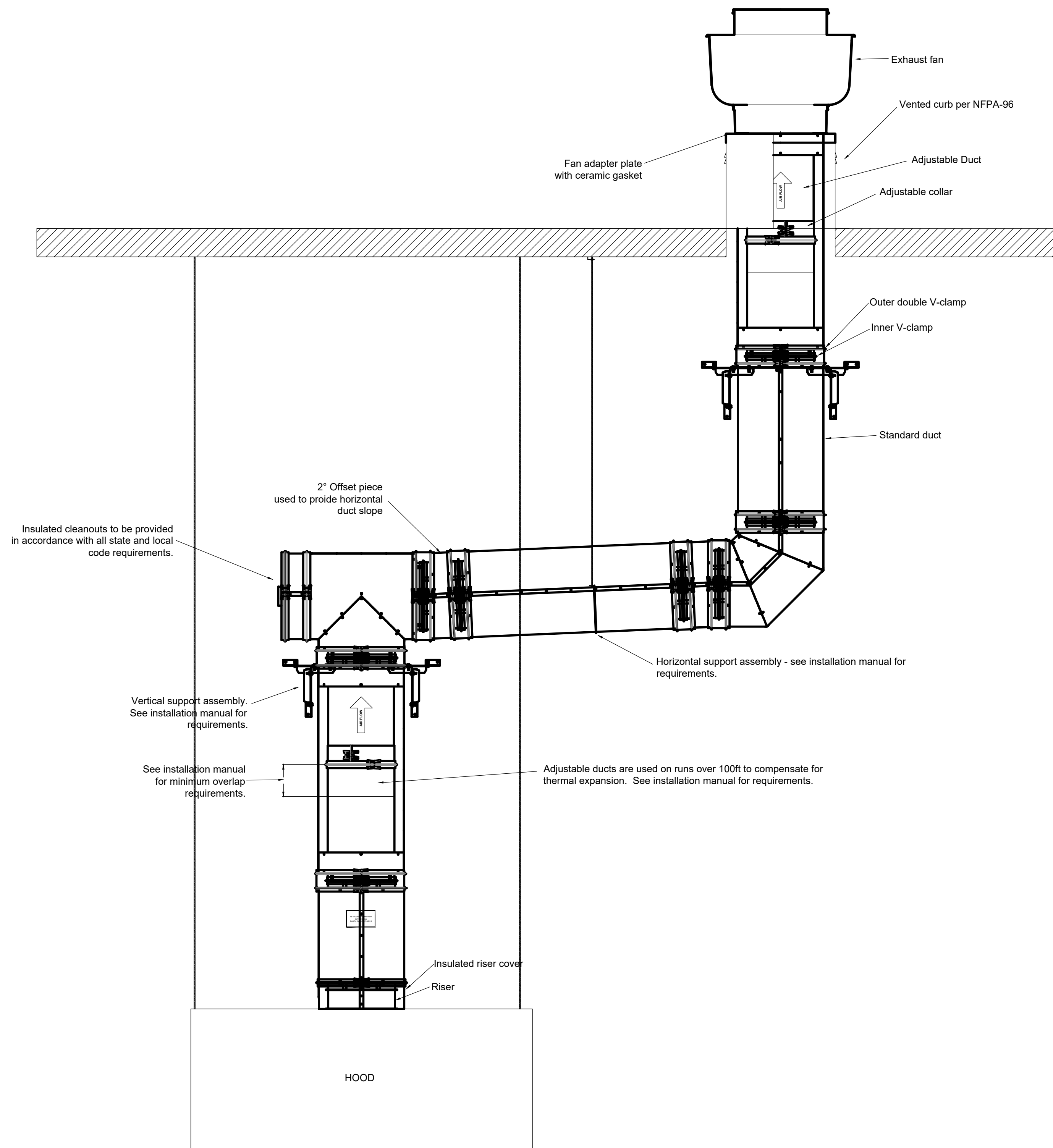
DUCTWORK NOTES

GREASE DUCT IS NOT IN OWNER'S PACKAGE. PROVIDED BY GC



Duct run shown is for example purposes only. See mechanical plans for additional information.

Additional information including installation manual available at www.captiveaire.com.



Furnish double wall, factory built grease duct for use with Type I kitchen hoods, which conforms to the requirements of NFPA-96. Products shall be ETL listed to UL-1978 and UL-2221 for venting air and grease vapors from commercial cooking operation. Models DW-2R, 3R and 3Z are used for grease duct applications when installed in accordance with these instructions and National Fire Protection Association "NFPA 96"; Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations. Double wall grease ducts are listed for a continuous internal temperature of 500 degrees F and intermittent temperatures of 3000 degrees F.

The duct sections shall be constructed of an inner duct wall and an outer wall with insulation in between. The inner duct wall shall be constructed of .036 inch thick, 430 type stainless steel and be available in diameters 8" through 24". The outer wall shall be constructed of stainless steel at a minimum of .024 inch thickness. The duct, based on model number, shall include layers of Super Wool 607 Plus insulation between the inner and outer wall. Grease duct joints shall be held together by means of formed V clamps and sealed with 3M Fire Barrier 2000+. The duct wall assembly shall be tested and listed at 3/4" or zero inch clearance, according to classifications.

Classifications and Clearances

UL 2221: Standard for Fire Resistive Grease Duct Enclosure Assemblies. Chapter 7 of this standard references a test labeled Internal Fire Test. Section 7.1.1 references two installation conditions, Condition A and Condition B. Condition A represents all installation condition except for installation within non-ventilated combustibile enclosures. Condition B represents installation within a non-ventilated combustibile enclosure.

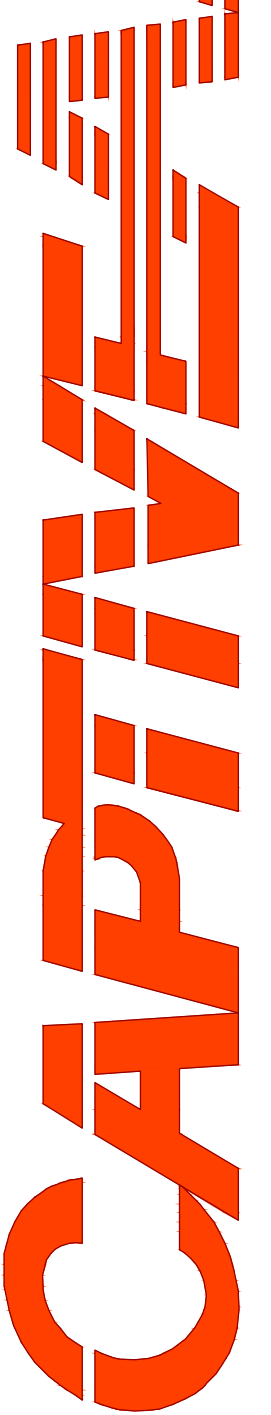
Model DW-3Z is classified under UL2221 (Test of Fire Resistive Duct Enclosure Assemblies) as an alternate to 2-Hr. fire resistive shaft enclosures with a minimum zero clearance to combustibles (sizes 8" to 24" diameter). Model 3Z is listed in accordance with the requirements for duct enclosure Condition A and B.

Model DW-3R is classified under UL2221 (Test of Fire Resistive Duct Enclosure Assemblies) as an alternate to 2-Hr. fire resistive shaft enclosures with a reduced clearance to combustibles (sizes 8" to 24" diameter). Model 3R is listed in accordance with the requirements for duct enclosure Condition B.

Model DW-2R is classified under UL2221 (Test of Fire Resistive Duct Enclosure Assemblies) as an alternate to 2-Hr. fire resistive shaft enclosures with a reduced clearance to combustibles (sizes 8" to 16" diameter). Model 2R is listed in accordance with the requirements for duct enclosure Condition B.

REVISIONS

DESCRIPTION	DATE



BURGERIM
Atlanta (Druid), GA

DATE: 6/26/2019

DWG.#: 3883542

DRAWN BY: RJC - 81

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

Specification

SHEET NO. 3 of 3



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BURGERIM
TOCO HILLS SHOPPING CENTER
2929 N. Druid Hills Rd., Suite F,
Atlanta, GA 30329

DATE	ISSUED FOR:
07/03/2019	REVIEW
07/23/2019	Construction
09/26/2019	HVAC



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M104

Electrical Symbol Legend

	SINGLE POLE SWITCH 20A-120V M.H. 4'-0" A.F.F.
	DUPLEX RECEPTACLE 20A-120V - M.H. NO LESS THAN 15" A.F.F. UNLESS NOTED OTHERWISE LUTRON CAR-15-GFTRH-WH GROUND FAULT INTERRUPTER OR EQUAL WITH LED INDICATOR.
	DUPLEX RECEPTACLE 15A-120V - M.H. NO LESS THAN 15" A.F.F. UNLESS NOTED OTHERWISE LEVITON R02-T5632-0B-WH WITH 3.6A USB CHARGER OR EQUAL.
	DUPLEX RECEPTACLE W/ COVER
	QUAD PLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER
	208/230V CONNECTION - SEE EQUIPMENT FOR EXACT CONNECTION
	JUNCTION BOX
	FUSED DISCONNECT SWITCH, SIZE OF SWITCH AND FUSE AS INDICATED ON PLAN
	MOTOR FRACTIONAL HP UNLESS INDICATED ON PLAN
	SPEAKER

- ### Electrical Key Notes
- PROVIDE POWER TO TANKLESS WATER HEATERS. REFER TO PLUMBING SCHEDULES FOR MORE INFORMATION. COORDINATE HEIGHT AND EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
 - NOT USED
 - PROVIDE CABLE TV RG-6 OUTLET AND RUN BACK TO (TELEPHONE BACKBOARD TBB-1 SEE NOTE 14). MOUNT ADJACENT TO RECEPTACLE. (LOW VOLTAGE CONTRACTOR SUPPLIED AND INSTALLED)
 - PROVIDE POWER FOR FIRE SUPPRESSION SYSTEM. COORDINATE WITH HOOD INSTALLATION FOR EXACT LOCATION PRIOR TO ROUGH IN.
 - PROVIDE POWER TO WALK-IN COOLER & FREEZER. CONTRACTOR TO VERIFY AMPERAGE OF EQUIPMENT AND PROVIDE THE CORRECT CONDUCTOR, CONDUIT AND BREAKER SIZE. INSTALL PER MANUFACTURER RECOMMENDATION.
 - QUAD RECEPTACLE IN CEILING FOR TV / LCD MENU COORDINATE LOCATION PRIOR TO ROUGH IN
 - ROUTE CAT 5 CABLES BACK TO TBB-1. (LOW VOLTAGE CONTRACTOR SUPPLIED AND INSTALLED) VERIFY EXACT LOCATION IN MOUNT ADJACENT TO RECEPTACLES. VERIFY EXACT HEIGHT AND LOCATION OF KITCHEN MONITOR AND LABEL PRINTER IN FIELD AND MOUNT DATA PORT ADJACENT TO RECEPTACLE.
 - VERIFY EXACT HEIGHT AND LOCATION OF KITCHEN MONITOR AND LABEL PRINTER IN FIELD AND MOUNT DATA PORT ADJACENT TO RECEPTACLE.
 - VERIFY EXACT HEIGHT AND LOCATION OF BROILER AND FRY MONITOR IN FIELD AND MOUNT DATA PORT ADJACENT TO RECEPTACLE.
 - VERIFY POWER REQUIREMENTS IN FIELD & LOCATION OF UNIT CONDENSER w/ LANDLORD.
 - PROVIDE POWER TO WALK-IN COMBO CONDENSER. CONTRACTOR TO VERIFY AMPERAGE OF EQUIPMENT AND PROVIDE THE CORRECT CONDUCTORS, CONDUIT AND BREAKER SIZE. INSTALL PER MANUFACTURER RECOMMENDATION. VERIFY CONDENSER LOCATION w/ LANDLORD.
 - NOT USED
 - MOUNT UNDER STRUCTURE ABOVE RECEPTACLES FOR SHOW WINDOWS. MOUNT WITHIN 18" OF THE TOP OF THE WINDOW
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF (TBB-1) TELEPHONE BACKBOARD WITH OWNER PRIOR TO ROUGH-IN. (ELECTRICAL CONTRACTOR TO SUPPLY CAT5 PULLED IN CONDUIT w/ 5' PIG TAILS)

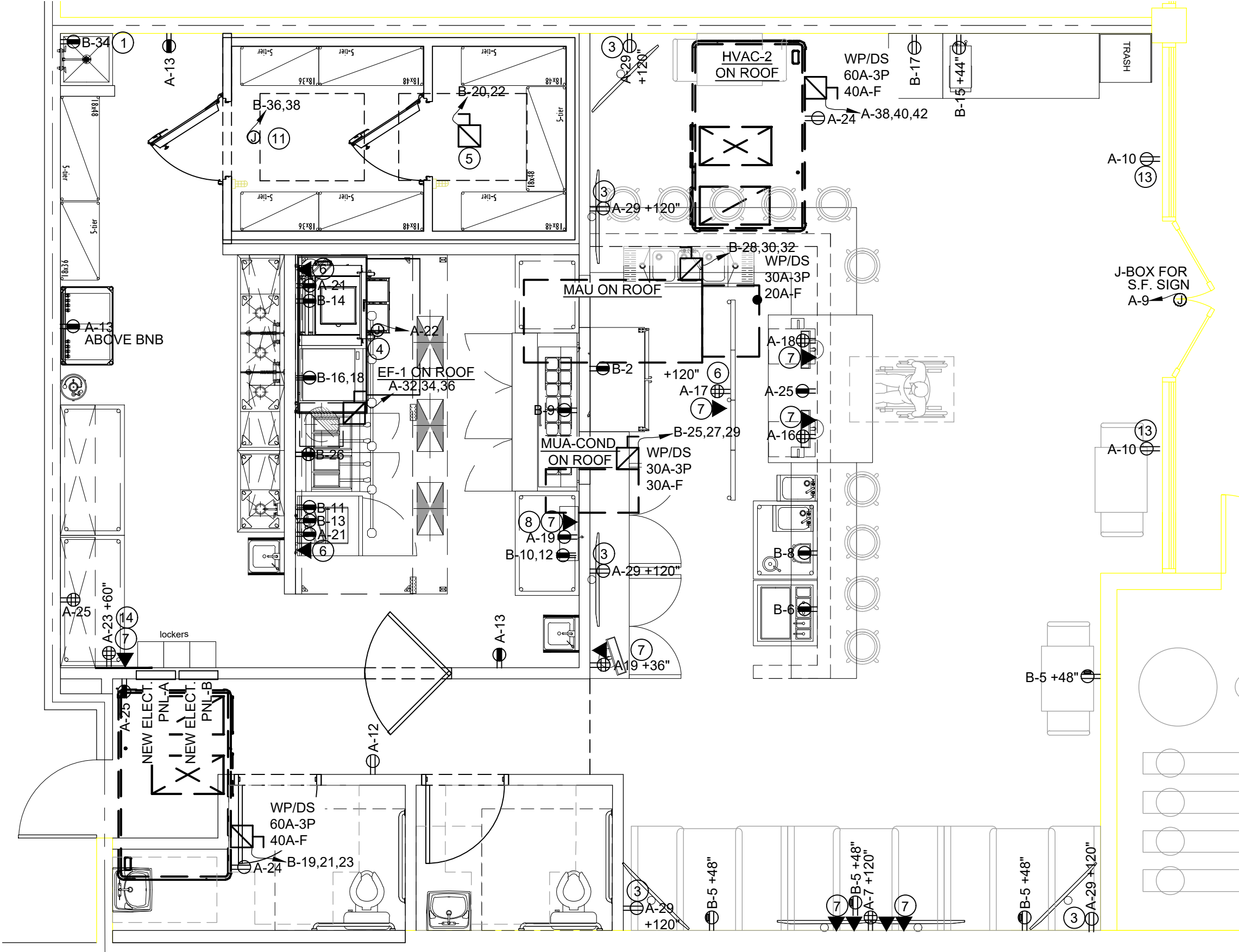
Luminaire Schedule Date: August 13th, 2018 **BURGER IM - BURLINGTON, MA**

Contact Mike Herrell with Commercial Lighting Industries, 800-755-0155 x124, MHerrell@Commercial-Lighting.net for pricing

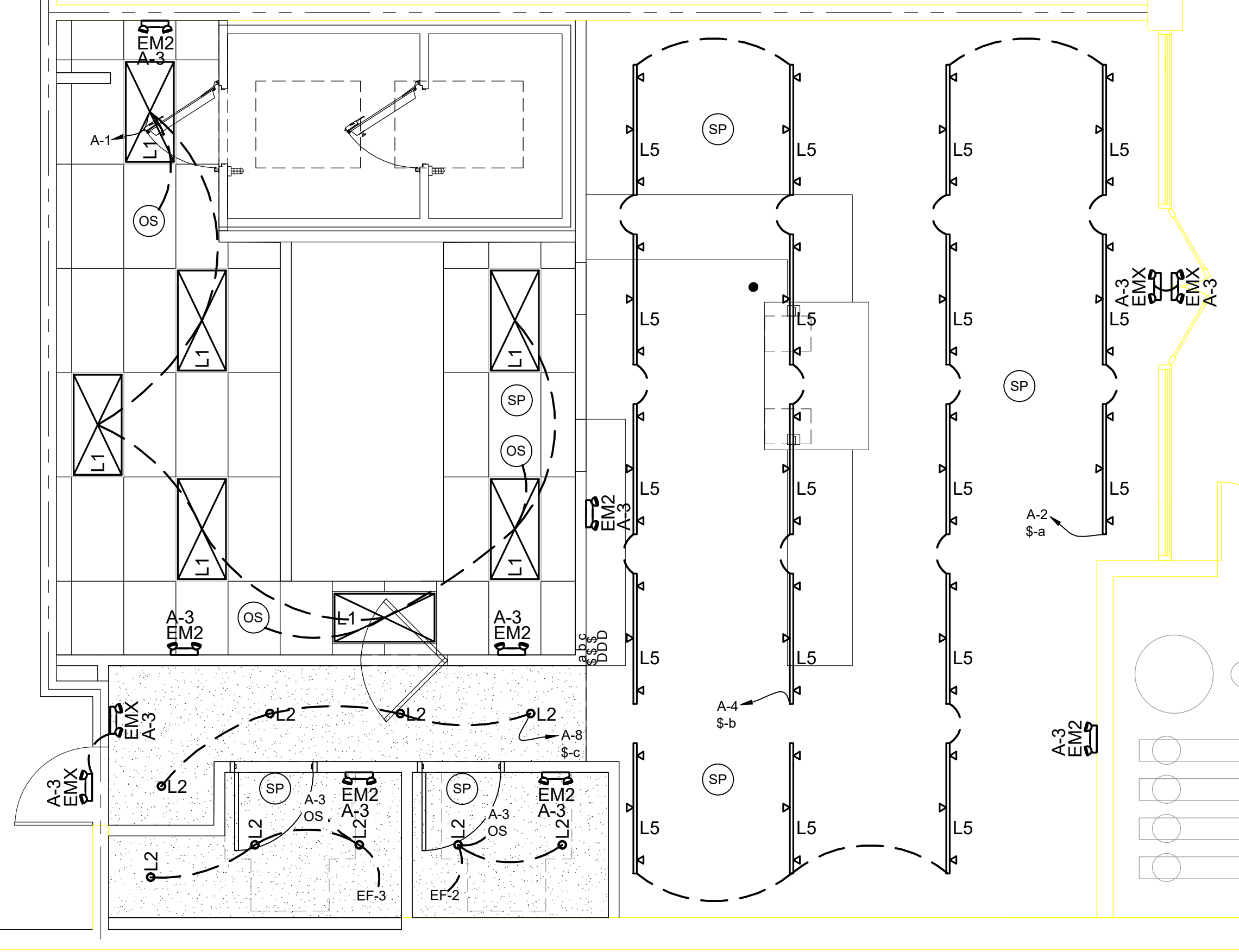
Type	Description	Product ID#	Volt	Watts	Mounting, Where used, Verifications, Other Notes
L1	Recessed 2x4 LED edge Lit flat panel	CLI-NABIMCL1	120/277	40	4220 lm, 35000K, 80CRI
L2	4 inch recessed LED downlight with new construction housing and retrofit trim	CLI-NABIMCL2	120/277	14	900 lm, 3500K, 85 CRI
L3	4 inch recessed LED downlight wet rated with shatter proof, sand blasted lens	CLI-NABIMCL3	120/277	16	
L4	Decorative lamp holder pendant with LED Edison bulb and 96" cable drop	CLI-NABIMCL4	120	40	Vintage LED Edison lamp, 150 lm, 2400K, 90 CRI
L5	LED Track Head with Flood Distribution, mounted on 4' suspended track	CLI-NABIMCL5	120	10	track suspended 12'-0" above finish floor, (16) 4'-0" single circuit track, black
EX	Exit, Sngl/Dbl Red letters, universal, Self Powered, black housing, Remote capable	CLI-NABIMLKEX	DV	2	New Universal. Finish color to be verified by Architect.
EMX	Exit/2 Hd Emerg Combo, black	CLI-NABIMLKEMX	DV	6	(EXISTING TO REMAIN NOTED *) NEW / Wall Mount. Finish color to be verified by Architect.
EM2	Emergency Light, universal mount, black	CLI-NABIMLKEM2	DV	2	Universal Wall or Ceiling. Mounted at 7'-6" AFF. Mounting height and finish color to be verified by Architect.

LTG SPEC VERIFICATION: Purchaser assumes responsibility for, and must verify with CLI the following prior to purchasing: Voltage, Specific mounting details (including recessed downlight hanger bars if non-standard from the Mfg), NYC or Chicago codes, IC Rating, wind/gust pole factors, integral luminaire wiring gauge, custom reflector reflectances and distribution. The above catalog #s may not be completely solidified at time of drawing issuance for construction.

ENERGY COMPLIANCE: The purchasing party is responsible for solidifying the lighting package in compliance with the State Energy Code, both with respect to load Power Density (LPD) and the use of mandated controls (dimmers, photocells, occupancy sensors, etc.).



2 POWER PLAN
E101 SCALE: 1/4" = 1'-0"



1 LIGHTING PLAN
E101 SCALE: 1/4" = 1'-0"



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E101

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL REQUIREMENTS

1.1 DESCRIPTION

- A. SCOPE: THE ELECTRICAL WORK CONSISTS OF FURNISHING EVERYTHING NECESSARY FOR AND INCIDENTAL TO THE EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK INDICATED ON THE DRAWINGS AND SPECIFIED BELOW INCLUDING BUT NOT LIMITED TO:
- LIGHTING FIXTURES AS INDICATED AND SPECIFIED ON THE PLANS.
 - ELECTRICAL PANELS, CONTROLS SERVICE, DISCONNECTS, CONDUITS, WIRING, ETC. FOR ALL OUTLETS AND EQUIPMENT.
 - TELEPHONE OUTLETS AND CONDUIT AS INDICATED.
 - CONDUIT AND OUTLETS FOR ALARM, COMPUTER, CCTV, AND SECURITY SYSTEM AS INDICATED.
 - CONTROL WIRING FOR ELECTRICAL AND HVAC SYSTEMS.
 - TELEPHONE CONDUIT SYSTEM TO POINT OF CONNECTION WITH TELEPHONE COMPANY.

- B. THE DRAWINGS ARE DIAGRAMMATIC UNLESS INDICATED OTHERWISE. THE DRAWINGS REFLECT CIRCUITING ONLY AND ARE NOT DEPICTING EXACT CONDUIT ROUTING UNLESS SPECIFICALLY NOTED OTHERWISE.
- DATA PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC. TO SUIT FIELD CONDITIONS IS REQUIRED. REVIEW ALL CIVIL, ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE DATE OF BID OPENING. IF DISCREPANCIES ARE NOT REPORTED, THE CONTRACTOR SHALL BID THE GREATER QUANTITY OR BETTER QUALITY, AND APPROPRIATE ADJUSTMENTS WILL BE MADE AFTER CONTRACT AWARD. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE AND CONFIRM MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT WITH RESPECT TO COUNTERTOPS, ETC. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS. USE ACTUAL BUILDING DIMENSIONS.
 - IN ALL CASES SWITCHES CONTROLLING LIGHTING ARE TO BE LOCATED ON THE STRIKE SIDE OF DOORS. LOCATION INDICATED FOR SWITCHES AND OUTLETS ARE APPROXIMATE. OWNER MAY MAKE MINOR RELOCATIONS AT NO ADDITIONAL CHARGE.

- C. EXAMINE ALL DRAWINGS FOR WORK REQUIRED BY THIS SUBCONTRACTOR.

1.2 CODES

- A. ALL WORK SHALL BE IN ACCORDANCE WITH NEC AND LOCAL GOVERNING CODES.
- ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE SERVING POWER AND TELEPHONE COMPANIES.
 - ALL OFF SITE WORK SHALL BE IN ACCORDANCE WITH THE UNIFORM STANDARD DRAWINGS FOR CLARK COUNTY AREA.
 - ALL FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH STATE FIRE MARSHALL, NFPA AND NFC.

- B. ALL DATA/ TELECOMMUNICATIONS WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE TIA/EIA BUILDING TELECOMMUNICATIONS WIRING STANDARDS.

1.3 SUBSTITUTIONS

- A. CONTRACTOR'S BID PRICE SHALL REFLECT THE COSTS OF ALL MATERIALS AS SPECIFIED. NO PRIOR APPROVAL OF MATERIALS WILL BE GIVEN PRIOR TO AWARD OF BID. ALL SWITCHGEAR AND PANELBOARDS SHALL BE FURNISHED BY A SINGLE MANUFACTURER.

- B. SUBSTITUTIONS OF EQUAL QUALITY, COST AND OF BENEFIT TO THE OWNER WILL BE EVALUATED AT THE CONTRACTOR'S REQUEST. ANY ADDITIONAL COST TO THE OWNER FOR REVIEW OF SUBSTITUTIONS WILL BE AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO PROVIDE ALL NECESSARY PHOTOMETRIC POINT BY POINT LAYOUT FOR ALL SUBSTITUTED FIXTURES.

- C. AFTER REVIEW OF SUBSTITUTIONS, THE DECISION OF THE ENGINEER IN DETERMINING EQUAL MATERIALS WILL BE FINAL.

1.4 SUBMITTALS

- A. PROVIDE SUBMITTALS FOR THE FOLLOWING EQUIPMENT:

- PANELBOARDS
- WIRING DEVICES AND DIMMERS
- MOTOR STARTERS
- DISCONNECTS
- CIRCUIT BREAKERS
- LIGHTING FIXTURES
- WIRES

- B. SHOP DRAWINGS AND APPROVALS

- THE CONTRACTOR SHALL SUBMIT SIX (6) IDENTICALLY BOUND SETS OF SHOP DRAWINGS ON THE FOLLOWING ITEMS:
 - OUTLINE DRAWINGS AND DATA SHEETS OF EACH CIRCUIT BREAKER, DISCONNECT, TRANSFER SWITCH, GENERATOR, TRANSFORMER, AND PANELBOARD.
 - HIGHLIGHT SERVICE CONDITIONS OF EQUIPMENT AND THE APPROPRIATE DERATING TO MEET 2.1.B.
 - DATA SHEETS OF ALL WIRING DEVICES, LIGHTING FIXTURES, AND FUSES.

1.5 QUALITY ASSURANCE

- A. ALL WORK SHALL BE COMPLETED IN A NEAT AND WORKMANLIKE MANNER AND IN ACCORDANCE WITH NECA STANDARDS.

- B. ALL WORK SHALL BE SUBJECT TO INSPECTION AND POSSIBLE REJECTION IF NOT IN ACCORDANCE WITH THESE SPECIFICATIONS, THE DRAWINGS, AND INSTALLED IN NEAT AND WORKMANLIKE MANNER.

- C. ANY REJECTED WORK SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

PART 2 - PRODUCTS

2.1 MATERIAL AND EQUIPMENT

- A. MATERIAL AND EQUIPMENT SHALL BE NEW AND OF CURRENT PRODUCTION BY MANUFACTURERS REGULARLY ENGAGED IN THE MANUFACTURE OF SUCH ITEMS. ELECTRICAL SWITCHGEAR AND COMPONENTS SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER. ALL MATERIAL SHALL BE U.L. LISTED.

- B. SERVICE CONDITIONS

- ALTITUDE 2100 FEET
- TEMPERATURE
 - INDOOR - 40 DEGREE C (100 DEGREE F)
 - OUTDOOR - 60 DEGREE C (140 DEGREE F)

C. CONDUITS

- INTERIOR CONDUIT SHALL BE EMT WITH COMPRESSION OR SET SCREW FITTINGS.
- EXTERIOR CONDUIT EXPOSED TO DAMAGE SHALL BE TYPE RGS.
- EXTERIOR BURIED CONDUIT SHALL BE SCHEDULE 40 PVC WITH PVC COATED RGS BENDS WHEN PENETRATING THROUGH FLOOR SLABS.
- FMC SHALL BE USED FOR FINAL CONNECTION TO LIGHTING FIXTURES NOT TO EXCEED 72 INCHES.
 - FNC OR ALUMINUM FMC SHALL NOT BE USED.
 - FMC SHALL NOT BE USED EXCEPT AS NOTED ABOVE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- LIQUID-TITE FMC SHALL BE USED FOR FINAL CONNECTION TO MOTORS.
- MC CABLE MAY BE USED FOR WIRING BETWEEN DEVICES IN WALLS. DO NOT USE FOR HOMERUNS. (KEEP FOR PRIVATE PROJECTS UNLESS CLIENT REQUEST OTHERWISE.)
- CONDUIT FITTINGS SHALL BE STEEL OR MALLEABLE IRON TYPE.

D. CABLE

- CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEGREE WIRE.
 - ALL UNDERGROUND CONDUCTORS SHALL BE TYPE THW.
- CONDUCTORS SHALL BE COPPER.
 - EQUIVALENT ALUMINUM WIRE (8000 ALLOY) MAY BE USED IN LIEU OF COPPER FOR SIZES #10 AND LARGER. USE COMPRESSION FITTINGS ON ALL CONNECTIONS AND RESIZE CONDUIT AS REQUIRED. SUBMIT SIZING AND VOLTAGE DROP CALCULATIONS TO ENGINEER FOR REVIEW.
- MINIMUM WIRE SIZE SHALL BE #12 AWG.
 - 120V BRANCH CIRCUITS OVER 65 FEET IN LENGTH FROM THE CENTER OF THE LOAD TO THE PANEL SHALL BE #10 AWG AND BRANCH CIRCUITS OVER 130 FEET SHALL BE #8 AWG. INCREASE CONDUIT AND WIRE SIZES AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- UNLESS OTHERWISE REQUIRED BY LOCAL ORDINANCES GROUND WIRES SHALL BE GREEN, NEUTRAL WIRES SHALL BE WHITE (120V).

E. WIRING DEVICES

- WIRING DEVICES SHALL BE AS FOLLOWS:
 - RECEPTACLES - 120V, 20A NEMA 5-20R, SPECIFICATION GRADE, SIDE AND BACK WIRED WITH CLAMP TYPE TERMINALS, NYLON, WHITE, 2 POLE, 3 WIRE GROUNDING.
 - PROVIDE GRAY COLOR FOR COMPUTER OUTLETS.
 - SWITCHES AND DIMMERS AS NOTED ON DRAWINGS.
 - ISOLATED GROUND RECEPTACLES SHALL BE EQUAL TO PASS & SEYMOUR, CAT. #IG9300-HG, COLOR ORANGE.
- DEVICE PLATES SHALL BE NYLON, COLOR SHALL MATCH DEVICE WITH MATCHING SCREWS.
 - RECEPTACLE IN WET LOCATIONS SHALL BE INSTALLED WITH A HINGED OUTLET COVER/ENCLOSURE CLEARLY MARKED SUITABLE FOR WET LOCATIONS WHILE IN USE AND UL LISTED EQUAL TO:
 - TAY MAC - ML400G AND SINGLE GANG 5881-0.
 - INERMATIC - WP1000RC.
 - PASS & SEYMOUR - WIUFC10S

3. LIGHTING CONTROL

- FURNISH AND INSTALL TIME SWITCHES, PHOTOCELLS AND CONTACTORS REQUIRED FOR LIGHTING CONTROL AS INDICATED ON THE DRAWINGS.
- CONTACTORS SHALL BE ELECTRICALLY OPERATED AND HELD IN NEMA TYPE 1 ENCLOSURE HAVING AMPERAGE CAPACITY AND NUMBER POLES AND VOLTAGE CLASS INDICATED ON DRAWINGS.

G. PANELBOARDS

- SHALL BE GE "A" SERIES WITH BOLT ON BREAKERS:
 - APPROVED SUBSTITUTE MANUFACTURERS ARE SQUARE D, EATON AND ITE.
- SHALL BE DEAD FRONT TYPE ONLY.
- GUTTER SPACE SHALL MEET APPLICABLE NEC REQUIREMENTS.
- SHALL BE SPLIT BUSSED WHERE SPACE IS NOTED.
- WIRE TERMINATION FOR PANELBOARDS AND CIRCUIT BREAKERS SHALL BE LISTED AS SUITABLE FOR 75 DEGREE C.
- BUS BARS SHALL BE ALUMINUM.
- DO NOT USED LOAD CENTERS.

- H. SAFETY SWITCHES SHALL BE GENERAL DUTY TYPE, NEMA 1 INDOOR AND NEMA 3R OUTDOOR.

I. OVERCURRENT PROTECTION DEVICES:

- CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURERS AS PANELBOARDS AND SWITCHBOARDS. PROVIDE BREAKERS AS NOTED ON THE SCHEDULE.
- FUSES USED TO PROTECT MOTORS SHALL BE BUSSMAN TYPE FRN-R. ALL FUSES INSTALLED IN FUSED DISCONNECTS SHALL BE CLASS R UNLESS NOTED OTHERWISE.
- PROVIDE HACR RATED BREAKERS FOR MECHANICAL EQUIPMENT.

- J. PROVIDE GROUNDING FOR ALL BRANCH CIRCUITS. CONDUIT, LISTED FOR USE, MAY BE USED FOR GROUNDING FOR 20A BRANCH CIRCUITS ONLY WHEN APPROVED FOR SUCH USE. ALL FMC AND NON-METALLIC CONDUIT SHALL HAVE A SEPARATE GROUND WIRE.

K. LIGHTING FIXTURES AND ACCESSORIES:

- LIGHTING FIXTURES SHALL BE SHOWN ON THE LIGHTING FIXTURE SCHEDULE.
 - VERIFY CEILING CONSTRUCTION BEFORE ORDERING RECESSED UNITS.
 - PROVIDE PLASTER FRAMES AND HANGERS AS REQUIRED.
- PROVIDE LAMPS FOR ALL FIXTURES.
 - LAMPS SHALL BE GUARANTEED AS FOLLOWS:
 - LED - 12 MONTHS FROM BENEFICIAL OCCUPANCY.
 - ELECTRONIC BALLASTS SHALL HAVE .95 POWER FACTOR, .875 BALLAST FACTOR AND LESS THAN 15% TOTAL HARMONIC DISTORTIONS.

L. OUTLET, PULL AND JUNCTION BOXES

- EACH SWITCH, LIGHT, RECEPTACLE OR OTHER OUTLET SHALL BE PROVIDED WITH A CODE GAUGE. GALVANIZED STEEL OUTLET BOX, JUNCTION AND PULLBOXES SHALL BE CODE GAUGE, GALVANIZED STEEL. OUTLET BOXES SHALL BE OF THE ONE PIECE, KNOCKOUT TYPE, IN GENERAL 4" SQUARE WITH PLASTER RING. PLASTER RINGS SHALL BE SET TO PROVIDE NOT MORE THAN 1/8" FROM WALL SURFACE TO RING. IN NO CASE SHALL PLASTER RING PROJECT BEYOND SURFACE OR WALL. SINGLE GANG RINGS SIMILAR TO STEEL CITY 52-C-50 SHALL BE USED FOR 4" BOXES IN UNFINISHED BRICK. RACO 3180 BOXES MAY BE USED FOR UNFINISHED MASONRY FLUSH WALL OUTLETS. CENTER ALL OUTLET BOXES IN BLOCK AT OUTLET LOCATIONS.
- BOXES INSTALLED FOR TELEPHONE, ALARM, COMPUTER AND SECURITY SYSTEMS SHALL BE PROVIDED WITH APPROPRIATE COVERPLATES.

M. TEMPERATURE CONTROL

- UNLESS OTHERWISE INDICATED ON THE PLANS ALL WIRING, ETC. SHALL BE FURNISHED AND INSTALLED BY THE TEMPERATURE CONTROL CONTRACTOR. PROVIDE CONDUIT FROM TEMPERATURE CONTROL DEVICES SHOWN ON MECHANICAL PLANS TO HVAC UNITS.

PART 3 - EXECUTION

3.1 INSTALLATION

- N. EQUIPMENT LOCATIONS SHALL BE AS CLOSE AS PRACTICAL TO LOCATIONS SHOWN ON THE PLAN DRAWINGS AND SUBJECT TO SUCH APPROVED REVISIONS AT NO COST TO THE OWNER AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME WORK IS INSTALLED.

- O. CLOSE ALL OPENINGS IN WALLS, FLOORS, AND ROOFS TO THE APPROVAL OF THE ARCHITECT.

- P. PAINT ALL CONDUITS AND BOXES THAT ARE REQUIRED TO BE EXPOSED TO MATCH BUILDING SURFACES. RUN ALL EXPOSED CONDUIT PARALLEL TO BUILDING LINES

- Q. PROVIDE ENGRAVED PHENOLIC NAMEPLATES ON ALL EQUIPMENT AND INSTALL TYPED DIRECTORY IN PANELBOARDS. FASTEN NAMEPLATES WITH SCREWS OR RIVETS, DO NOT USE ADHESIVE.

- R. COORDINATE THE WORK WITH OTHER TRADES.

- S. MEGGER TEST ALL FEEDER CIRCUITS AFTER INSTALLATION.

- T. INSTALL 200 POUND TEST PULL NYLON PULL CORD IN ALL SIGNAL AND COMMUNICATION CONDUITS.

- U. INSTALL SWITCHES AT 48" AFF AND RECEPTACLES AT 18" AFF UNLESS NOTED OTHERWISE.

- V. PANELBOARDS SHALL BE INSTALLED WITH THE TOP OF THE CABINET 6'-0" AFF.

- W. LIGHTING FIXTURES SHALL BE FASTENED TO THE STRUCTURE INDEPENDENT OF THE CEILING SYSTEM.

- X. CONDUITS AND OUTLETS SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE, EXCEPT THAT CERTAIN MOTOR AND LIGHTING FEEDER CONDUITS MAY BE RUN EXPOSED IN CERTAIN AREAS AS INDICATED ON THE DRAWINGS. CONDUIT AND OUTLETS SHOWN TO BE INSTALLED IN CABINETS, COUNTERTOPS, AND CASEWORK SHALL BE RUN OR INSTALLED AS DIRECTED BY THE ARCHITECT.

- Y. FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A 4" HIGH HOUSEKEEPING PAD EXTENDING 6" BEYOND EQUIPMENT.

- Z. PATCH AND REPAIR AREA WHERE ITEMS HAVE BEEN DEMOLISHED OR DAMAGED DURING CONSTRUCTION TO MATCH ADJACENT SURFACES TO OWNER'S APPROVAL.

- O. INSTALL PULLBOXES SUCH THAT THEY ARE LOCATED AT THE HIGH POINT OF THE CONDUITS WITH 24" OF PEA GRAVEL INSTALLED BELOW.

- P. CONDUITS PENETRATING FLOOR SLABS SHALL BE INSTALLED A MINIMUM OF 2" AFF.

- Q. LABEL ALL SPARE CONDUITS/PULLSTRINGS AT BOTH ENDS WITH IDENTIFICATION OF LOCATION AT THE OPPOSITE END.

- R. A COMPLETELY AND THOROUGHLY SWAB RACEWAY BEFORE INSTALLING WIRE.

- S. REQUEST INSPECTIONS FROM LOCAL GOVERNING AUTHORITIES.

3.2 PROJECT COMPLETION

- A. REMOVE ALL DISCARDED MATERIALS FROM DEMOLITION AND INSTALLATION FROM THE JOB SITE.

- B. PROVIDE REPRODUCIBLE RECORD DRAWINGS OF ALL COMPLETED WORK.

- C. GUARANTEE ALL MATERIAL FURNISHED AND ALL WORKMANSHIP PERFORMED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD, TRACEABLE TO MATERIAL FURNISHED AS A PART OF THIS SECTION OR WORKMANSHIP PERFORMED HEREUNDER, SHALL BE MADE GOOD AT NO ADDITIONAL EXPENSE TO THE OWNER.

3Ø Electrical Panel Schedule

Project Name: Burgerim
 RDC Project No.: #68-031 Date: 07/03/2019 Feeder: 4-300_#6G
 Panel: B Fed From: PNL_A Conduit: 2"

Voltage & Phase		Mounting		MLO or Main Breaker:	
<input type="checkbox"/> 120/208Y-3Ø	<input type="checkbox"/> 208Y-3Ø	<input type="checkbox"/> 277/480Y-3Ø	<input type="checkbox"/> Surface	<input type="checkbox"/> A.C. Rating: 200A	<input type="checkbox"/>
<input type="checkbox"/> 120/240L-3Ø	<input type="checkbox"/> 240L-3Ø	<input type="checkbox"/> 480Y-3Ø	<input type="checkbox"/> Flush	<input type="checkbox"/> Sub Feed Lugs	<input type="checkbox"/> Top Feed
			<input type="checkbox"/> Semi	<input type="checkbox"/> Feed Thru Lugs	<input type="checkbox"/> Bottom Feed

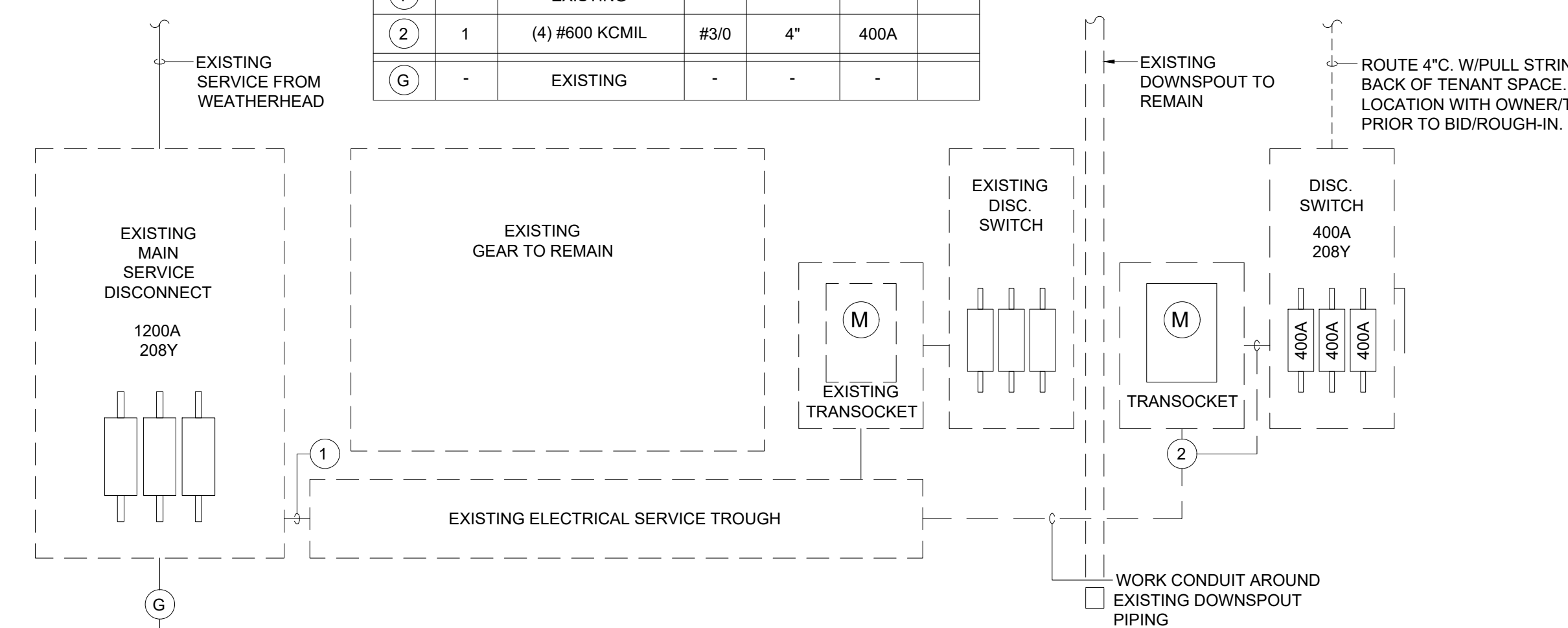
Code	VA	Description	Brk	Phase	Brk	Description	VA	Code	
R	200	AR CURTAIN	201	1	A 2	(2) DR UNDERBAR REFRIGERATOR	340	K	
R	720	USBOUTLETS	201	1	C 6	DIPPING CABINET	960	K	
R	900	USBOUTLETS	201	7	A 8	TRIPLE MIXER	900	K	
K	1240	REFRIGERATED PREP	201	9	B 10	CONVEYOR TOASTER	850	K	
K	450	WORKTOP REFRIGERATOR	201	11	C 12	CONVEYOR TOASTER	850	K	
K	1100	FRY HOLDING STATION	201	13	A 14	(4) DRAWER REFRIGERATOR	1200	C	
R	1730	TEA BREWER	201	15	B 16	CHARBROILER	960	K	
R	1900	ICE MAKER	201	17	C 18	CHARBROILER	960	K	
C	3288	HVAC-1	403	19	A 20	WALK-IN COMBO FREEZER	1978	K	
C	3288	HVAC-1	403	21	B 22	WALK-IN COMBO FREEZER	1978	K	
C	2568	MUA-COND.	303	25	A 26	DEEP FRYSERS	360	K	
C	2568	MUA-COND.	303	27	B 28	MAU	456	K	
C	2568	MUA-COND.	303	29	C 30	MAU	456	K	
					31	A 32	MAU	456	K
					33	B 34	WATER HEATER	960	K
					35	C 36	WALK-IN COMBO COOLER	1242	K
					37	A 38	WALK-IN COMBO COOLER	1242	K
					39	B 40			
					41	C 42			

Load Codes	VA Load per Phase		Calculations	
	A	B	Total VA (Multiplier)	VA Load
C = Cooling Only	3288	3288	3288	9864
E = Existing Load	0	0	0	0
H = Heating Only	0	0	0	0
K = Kitchen	1440	0	300	1740
L = Lighting	2320	2720	500	5540
M = Motors	468	468	2289	3204
O = Other Load	14622	14622	13324	41976
R = Receptacles	1080	1260	2100	4440
Load Totals	23218	21766	21780	66764
Total VA Loads	23254	22440	21875	67675
Load Balance	104.4%	99.1%	95.3%	
Total VA of Largest Motor on this Panel				0
VA Load This Panel				67675
Amperage This Panel Per Largest Phase VA				197.1

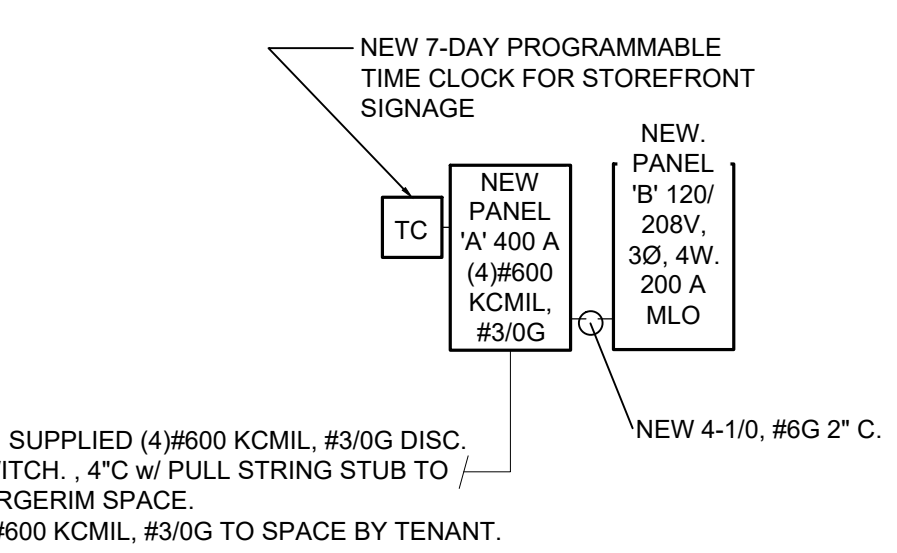
Load Codes	VA Load per Phase		Calculations	
	A	B	Total VA (Multiplier)	VA Load
C = Cooling Only	7056	3056	3006	16768
E = Existing Load	0	0	0	0
H = Heating Only	0	0	0	0
K = Kitchen	6376	6444	4968	17788
L = Lighting	0	0	0	0
M = Motors	0	0	0	0
O = Other Load	0	0	0	0
R = Receptacles	1180	1730	2920	5440
Load Totals	14622	14030	13324	41976
Total VA Loads	12960	11778	11962	36797
Load Balance	104.0%	99.8%	97.2%	
Total VA of Largest Motor on this Panel				0
VA Load This Panel				36797
Amperage This Panel Per Largest Phase VA				102.3

FEEDER SCHEDULE

TAG SETS	FEEDER	GND	CONDUIT	AMPS	NOTE
1	-	-	-	-	
2	1	(4) #600 KCMIL	#3/0	4"	400A
G	-	-	-	-	



2 E102 L.L. PROVIDED ELECTRICAL SERVICE SCALE: NO SCALE



1 E102 ELECTRICAL SERVICE SCALE: NO SCALE



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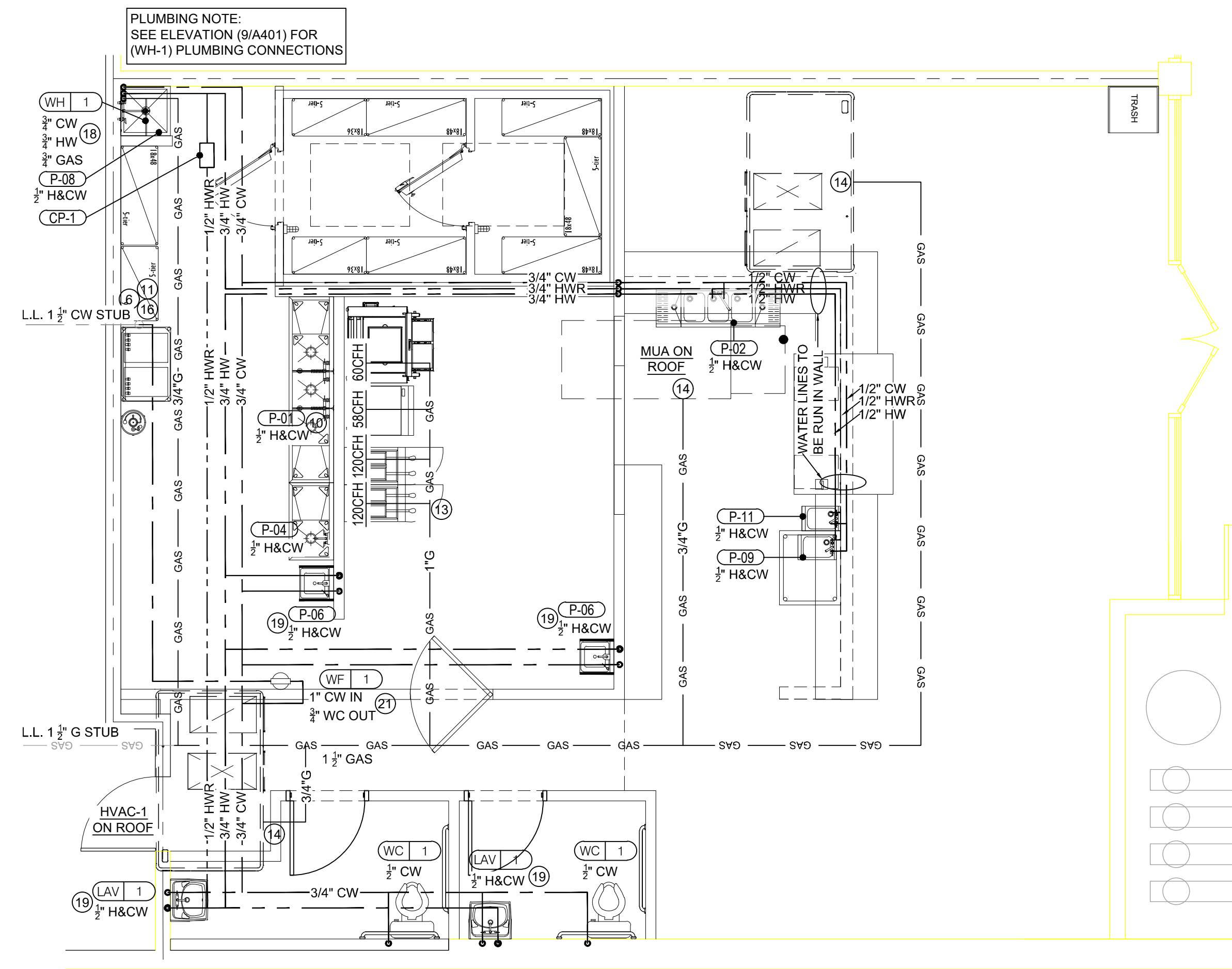
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DATE	ISSUED FOR:
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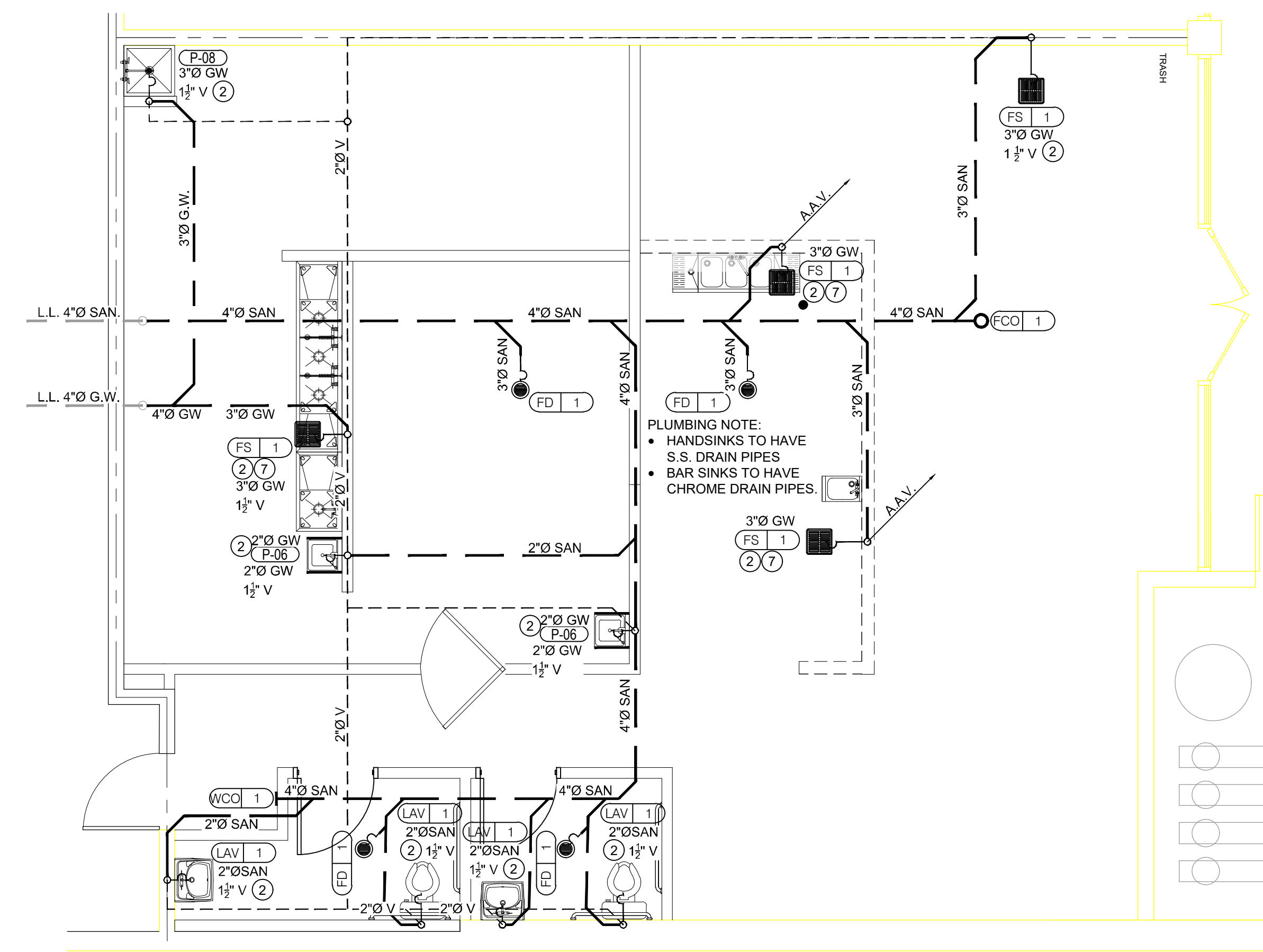


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E102



2 WATER AND GAS PIPING PLAN
 P101 SCALE: 1/4" = 1'-0"



1 UNDERFLOOR PLUMBING PLAN
 P101 SCALE: 1/4" = 1'-0"

Pipe Legend

---	COLD WATER LINE
---	SANITARY SEWER (UNDERGROUND U.N.O.)
---	VENT
---	HOT WATER RETURN LINE
---	HOT WATER LINE

- ### Plumbing Notes
- RUN WATER AND VENT LINES BELOW BOTTOM OF EXISTING ROOF STRUCTURE.
 - PLUMBING CONTRACTOR SHALL COORDINATE HIS CONTRACTED WORK WITH THE GENERAL, MECHANICAL, AND ELECTRICAL CONTRACTORS.

PLUMBING FIXTURE SCHEDULE

MARK	ITEM	DESCRIPTION	CONNECTIONS				MODEL
			COLD	HOT	WASTE	VENT	
WC-1	WATER CLOSET	ADA, 1.28 GPF, FLOOR MOUNTED, FLUSHOMETER TANK, ELONGATED BOWL, PROVIDE WITH AMERICAN STANDARD 5801, 10065 ELONGATED HEAVY DUTY OPEN FRONT SEAT WITH SELF-SUSTAINING HINGES.	1/2"	4"	2"		AMERICAN STANDARD CADET 215DA-104
LAV-1	LAVATORY	ADA, WALL MOUNT, PROVIDE WITH AMERICAN STANDARD RESISTANT 3 7865-003 0.4 GPM RESTRICTOR AND GRID DRAIN, PROVIDE WITH BRADLEY NAVIGATOR 559-4000 MIXING THERMOSTATIC MIXING VALVE SET AT 110°F.	1/2"	1/2"	2"	1-1/2"	AMERICAN STANDARD WHEELCHAIR 8141.011
GT-1	GREASE TRAP	IN FLOOR 75 GPM, 150 LB CAPACITY GREASE TRAP - not used			4"		SCHER - G9-75
GT-2	GREASE TRAP	LANDLORD PROVIDED VERIFY W/ LANDLORD FOR SIZE & LOCATION			4"		
FS-1	FLOOR SINK	12"x12"x8" WITH NICKEL BRASS GRATE AS REQUIRED, PROVIDE TRAP PRIMER CONNECTION	1/2"	2"	1-1/2"		ZURN Z1751
FD-1	FLOOR DRAIN	ADJUSTABLE COLLAR, VANDAL PROOF SCREWS, PROVIDE TRAP PRIMER CONNECTION, COORDINATE FINISH AND STYLE WITH ARCHITECTURAL.	1/2"	2"	1-1/2"		ZURN Z415-VP
TP-1	TRAP PRIMER	AUTOMATIC PRESSURE DROP ACTIVATED VALVE, ACTIVATES AT 10 PSI, PROVIDE WITH ACCESS PANEL, COORDINATE LOCATIONS WITH ARCHITECTURAL.	1/2"				PPP PRIMER RTE
ET-1	EXPANSION TANK	VOLUME 2.0 GALLONS, MAX ACCEPTANCE VOLUME 0.9, PROVIDE WITH WH-1	3/4"				ST-5
GV-1	GAS VALVE	EMERGENCY SHUT-OFF VALVE, PROVIDED BY GAS FIRE SUPPRESSION CONTRACTOR, INSTALLED BY PLUMBER.					
WCO	WALL CLEANOUT	DURA-COATED CAST IRON BODY, GAS AND WATER TIGHT, VANDAL PROOF SCREWS, COORDINATE FINAL LOCATIONS AND FINISH WITH ARCHITECTURAL.				SEE PLANS	ZURN Z1441-VP
FCD	FLOOR CLEANOUT	ADJUSTABLE LEVELING, GAS AND WATER TIGHT, VANDAL PROOF SCREWS, COORDINATE FINISH AND TOP STYLE WITH ARCHITECTURAL.				SEE PLANS	ZURN Z3400-VP
WH-1	WATER HEATER	CONCENTRIC DIRECT VENT, SEALED COMBUSTION, 22,500 BTUH MIN, 195,000 BTUH MAX, GAS INPUT: 5 GPM DELIVERY @ 75°F RISE, SET UNIT @ 120°F, MAY SUBSTITUTE WITH NAVIEN NP-240 OR NORITZ MCC1991 (110V/1/2" ELEC 220V/90W/125W)	3/4"	3/4"			RINNAI RUC69
OP-1	PUMP	866838 WATER RECIRCULATION PUMP 3/8" W/ 811-OF HEAD	1/2"				LR-16
WF-1	WATER FILTER	PROVIDED BY OWNER INSTALLED BY PLUMBER	3/4"				3M / OFS-22
P-01	3-COMP. SINK	65W-18" BOWL	1/2"	1/2"	IND.		SE181830
P-06	HANDSINK	12 1/2"x17 1/2"x17 7/8" Dkx 5/8"H	1/2"	1/2"	2"	1 1/2"	HS-12115
P-08	MOP SINK	24"x24"x13" W/ BACKFLOW PREVENTER	1/2"	1/2"	2"	1 1/2"	GSWS2424PM

- ### Key Notes
- DRAIN BAR SINKS TO FS-1.
 - PLUMBING CONTRACTOR SHALL PROVIDE (2) TIMES THE DIAMETER OF THE DISCHARGE PIPE OR A 2" MINIMUM AIR GAP ON ALL LINES DISCHARGING TO FLOOR SINK.
 - PLUMBING CONTRACTOR TO RUN NEW COLD WATER SUPPLY, SANITARY SEWER, AND GREASE (WHERE APPLICABLE) AND CONNECT TO NEAREST EXISTING (V.I.F.). PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, FOUNDATIONS, INVERT & FLOW DIRECTION OF EXISTING SEWER PRIOR TO EXCAVATING FOR NEW SANITARY.
 - 1 1/2" INDIRECT WASTE MANIFOLDED BY PLUMBING CONTRACTOR TO FLOOR SINK.
 - WHEN EXISTING UTILITIES ARE BEING USED, PLUMBING CONTRACTOR TO SCOUT EXISTING GAS METER / LINES IN FIELD AND RELOCATE AS NECESSARY FOR NEW CONSTRUCTION (EX: NEW EMERGENCY EXIT DOORS). WHEN CONNECTING TO EXISTING UNDERFLOOR PIPING, PLUMBING CONTRACTOR SHALL SCOPE THE SYSTEM PRIOR TO CUTTING THE FLOOR TO ENSURE THAT ASSUMED LOCATIONS OF EXISTING SANITARY AND/OR GREASE PIPING ARE AS INDICATED ON THE PLANS. CONTACT ARCHITECT IF ANY VARIANCE IS FOUND. THE PLUMBING CONTRACTOR ASSUMES THE RISK OF ANY ADDED EXPENSE IF PROCEEDING WITHOUT SCOPING THE EXISTING PIPING FIRST.
 - CONNECT WATER FILTER SYSTEM TO EXISTING WATER MAIN AHEAD OF ALL PIPING / FIXTURES TO PROVIDE FILTERED WATER TO ENTIRE SPACE AS SHOWN IN PLAN. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT FILTER SYSTEM, PLUMBING CONTRACTOR TO RUN 3/4" HW FROM HW. SEE WATER PIPING PLAN AND ISOMETRIC FOR REMAINDER OF PIPING.
 - 1 1/2" INDIRECT WASTE ON FS-1 EXTEND BAR SINKS TO FS-1 AS REQUIRED.
 - CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE NEW GAS PIPING AND METER INSTALLATION WITH LOCAL UTILITY. PROVIDE GAS LINE TO GAS FIRED EQUIPMENT AS NECESSARY. CONTRACTOR SHALL INCLUDE ALL FEES ASSOCIATED WITH NEW GAS PIPING.
 - NOT USED
 - 1/2" HW & CW DOWN TO "PRE-RINSE ASSEMBLY" FOR 3 COMPARTMENT SINK.
 - WATER SERVICE (IF NOT EXISTING) CONNECT EXISTING CW SERVICE WITH SHUT-OFF VALVE, CONTRACTOR TO VERIFY LOCATION AND SIZE OF EXISTING WATER SERVICE, CONFIRM METERING REQUIREMENTS WITH BUILDING AND UTILITY AND PROVIDE AND INSTALL APPROVED SUB-METER IF REQUIRED. COORDINATE BACKFLOW PREVENTION REQUIREMENTS WITH LOCAL AUTHORITY AND PROVIDE AND INSTALL APPROVED BFP AS REQUIRED.
 - CONNECT TO EXISTING PLUMBING IN WALL.
 - AUTOMATIC GAS SHUT-OFF VALVE PROVIDED AND INSTALLED BY P.C. INSTALL BELOW CEILING PER LOCAL FIRE MARSHAL REQUIREMENTS.
 - PROVIDE GAS COCK, DIRT LEG ASSEMBLY, UNION AND GAS PRESSURE REGULATOR IF REQUIRED.
 - PLUMBING CONTRACTOR TO VERIFY METER BANK LOCATION, GAS PIPE SIZE BASED ON THE FUEL GAS CODE LISTED ON THE COVER OF THESE DRAWINGS. USE TABLE 402.4(2), SCHEDULE 40 METALLIC PIPE, LESS THAN 2 PSI SYSTEM PRESSURE, 0.5" W.C. PRESSURE DROP.
 - 1" CW DOWN TO WATER FILTER SYSTEM PROVIDED BY OWNER (CONNECT ALL PIPING / FIXTURES AFTER WATER FILTER SYSTEM TO PROVIDE FILTERED WATER TO ENTIRE SPACE AS SHOWN IN PLAN). PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT FILTER SYSTEM. PLUMBING CONTRACTOR TO RUN 3/4" HW FROM HW. SEE WATER PIPING PLAN AND REMAINDER OF PIPING.
 - SCOUT EXISTING 4" SANITARY MAIN PLUMBER TO VERIFY EXACT LOCATION AND FLOW DIRECTION BEFORE BIDDING.
 - CONTRACTOR SHALL EXTEND WATER HEATER FLUE VENT CONDENSATE TO MOP SINK. FURNISH AND INSTALL NEW TEMPERING VALVE BELOW SINK (IF NOT EXISTING). SEE DETAIL ON P102.
 - DIRECT WASTE FOR MOP SINK
 - CO2 TANK & LINE TO BE RUN BY LOCAL SERVICE REPRESENTATIVE. PLACEMENT MUST BE ACCESSIBLE FOR SERVICE.

GAS LOAD CALCULATIONS

DESCRIPTION	QTY	CFH	TOTAL CFH
HVAC-1	1	120	120
MUA	1	140	140
TANKLESS WATER HEATER	1	190	190
DEEP FRYER	3	120	360
FLAT GRIDDLE	1	60	60
CHARBROILER	1	58	58
		TOTAL	937

HOT WATER LOAD CALCULATION

DESCRIPTION	QTY	GPM	TOTAL GPM
3-COMPARTMENT SINK (U.B.)	1	2	2
3-COMP SINK (B O H)	1	2	2
1-COMPARTMENT SINK	1	2	2
HAND SINK	2	0.5	1
MOP SINK	1	2	2
HAND SINK (UNDERBAR)	1	0.5	0.5
LAVATORY	2	0.5	1
		TOTAL POSSIBLE LOAD	10.5
		LOAD FACTOR	0.5
		TOTAL HOT WATER LOAD @ 100°F RISE	5.25

- ### General Notes
- CONTRACTORS ARE TO REVIEW DRAWINGS, VISIT SITE TO DETERMINE EXTENT OF WORK INVOLVED, ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCY BEFORE BIDDING THIS PROJECT.
 - MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A WORKING SYSTEM, COMPLETE AND DEMONSTRATE TO THE OWNER THE WORKING SYSTEMS OF THE SYSTEMS. COMPLETION OF THE JOB WILL INCLUDE CLEAN UP OF ALL WORK PERFORMED BY THIS CONTRACTOR BEFORE FINAL PAYMENT FOR WORK COMPLETED IS PAID.
 - ALL WORK IS TO COMPLY WITH ALL LOCAL AND STATE BUILDING CODES, N.E.C., PRESSURE PIPING, SMACNA, AND ASHRAE STANDARDS.
 - DRAWINGS ARE TO SCALE AS INDICATED AND REPRESENTS A DIAGRAMMATIC OUTLINE OF WORK TO BE PERFORMED, BUT DO NOT REFLECT ALL INTERFERENCES THAT MAY ARISE IN CONCEALED AREAS THAT COULD NOT BE DETECTED DURING DESIGN OF THESE DOCUMENTS. CONTRACTORS ARE TO INCLUDE THESE CHANGES AS PART OF THEIR BID AND WILL NOT BE PAID ANY EXTRAS UNLESS TO DETERMINED TO BE A SIGNIFICANT CHANGE TO WARRANT A CHANGE ORDER AS DETERMINED BY THE ARCHITECT/ENGINEER.
 - ALL WORK PERFORMED WILL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER WITH ANY ADDITIONAL WORK TO BE AT NO COST TO THE OWNER. ALL EQUIPMENT SHALL BE AS SPECIFIED.

- ### Plumbing Notes
- ALL WATER PIPING SHALL BE TYPE "L" COPPER ASTM B-88 HARD W/ ANSI B16.22 WROUGHT COPPER FITTINGS AND NONLEAD SOLDERED JOINTS. UNDERGROUND PIPING SHALL BE TYPE "K" SOFT ASTM B-88 W/ NO JOINTS AND ROLLED RADIUS TURNS UNKINKED. PEX PIPING WITH ASSOCIATED FITTINGS IS THE PREFERRED PIPING TO BE USED WHERE ALLOWED BY STATE AND LOCAL CODE. VERIFY BEFORE PURCHASING OR INSTALLING.
 - ALL GAS, VACUUM, AND COMPRESSED AIR PIPING SHALL BE SCHEDULE 40 ASTM A-120/53 W/ MALLEABLE IRON 125 LB. FITTINGS. ALL JOINTS SHALL BE TEFLON TAPE AND PIPING CAULKED.
 - ALL GAS PIPING TO BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR, COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR.
 - ALL SANITARY SEWER SHALL BE CAST IRON SCHEDULED 40 HUBLESS CISPI STANDARD 301-78. ANY PIPING LOCATED EXPOSED OR IN A RETURN AIR FLENUM SPACE SHALL BE CAST IRON. VENT PIPING SHALL BE THE SAME MATERIAL AS SANITARY SEWER. SCHEDULE 40 PVC MAY BE USED WHERE ALLOWABLE BY STATE AND LOCAL CODE. VERIFY BEFORE PURCHASING OR INSTALLING. ALL INDIRECT WASTE MUST DISCHARGE THROUGH AN AIR GAP AT LEAST TWICE THE DIAMETER OF THE INDIRECT WASTE PIPE PER THE PLUMBING CODE.
 - VALVES SHALL BE OF THE TYPE AND DESIGN FOR SERVICES BEING USED.
 - BALL - BRONZE BODY 125 LB. WOG NIBCO T OR S-580Y.
 - GATE - " S-111.
 - GLOBE - " S-211.
 - CHECK - " S-413.B.
 - GAS COCKS - " NORDSTROM 142.
 - OTHER APPROVED MANUFACTURERS ARE APOLLO, STICKHAM, GRINNELL, HAMMOND, WALWORTH, LUNKENHEIMER, CRANE OR MILWAUKEE. (OR EQUAL)
 - INSULATION FOR PIPING SYSTEMS SHALL BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS AND RECOMMENDED INSTALLATION PROCEDURES.
 - WATER LINES - 1/2" CLOSED CELLED FOAM BY HALLSTEAD OR ARMAFLEX FRUL. OPTIONAL 1/2" FIBERGLASS ASTM C-547 W/ ASJ JACKET AND PRE MOLDED PVC FRUL. FITTINGS BY KNAUF, OCF OR SCHUELLER. (OR EQUAL.)
 - STORM SEWER - SAME AS ABOVE.
 - CONDENSATE SHALL BE 3/4" FIBERGLASS OR PVC AND TO BE SUPPLIED AND INSTALLED BY PLUMBER - SAME AS ABOVE.
 - A: INSULATE ALL WATER LINES, COLD AND HOT, AND ALL HORIZONTAL STORM SEWER PIPING. B: ALL INSULATION SHALL HAVE A GALVANIZED SLEEVE WHEN RESTING ON THE INSULATION.
 - ANY EXPOSED PIPING SHALL HAVE A CHROME ESCUTCHEON PLATE WHEN EXPOSED IN FINISH ROOMS. NO EXPOSED PVC TRAPS OR TAILS ARE ALLOWED. USE STAINLESS STEEL OR COPPER IN THE KITCHEN AND CHROMED BRASS OR PVC IN THE TOILET ROOM. ALL PIPES THAT PASS THROUGH A FIRE WALL SHALL BE CALKED AROUND PENETRATION W/ A FLAME RETARDANT UL SEALANT TO MAINTAIN RATINGS ON WALL. SILICONE CAULK ALL FIXTURES AROUND PERIMETER AFTER FINAL PAINTING OF WALLS.
 - ALL PIPING SYSTEMS SHALL BE PRESSURE TESTED FOR 24 HOURS BEFORE FINAL CONNECTION TO EXISTING IN ACCORDANCE W/ CODES.
 - ALL FIXTURES SHALL BE AS SHOWN ON THE DRAWINGS AS TO TYPE AND MATERIALS BY ELJER, KOHLER, CRANE, AMERICAN STANDARD, ZURN, WADE, JOSAM, DELANY, SLOAN, PRICE, MOEN, POWERS, SPEAKMAN, CHICAGO FAUCET, BEMIS, OLSONITE, FIAT. (OR APPROVED EQUAL.)
- ### GAS PIPING:
- ALL GAS PIPING SHALL BE RUN STRAIGHT AND TRUE AND BE INSTALLED IN A QUALITY WORKMANLIKE FASHION PROVIDED AND INSTALLED BY THE PLUMBER, COORDINATE WITH HVAC CONTRACTOR.
 - GAS PIPING SHALL CONFORM TO ALL STATE AND LOCAL CODES, AS WELL AS NATIONAL FUEL GAS CODE RECOMMENDATIONS.
 - PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL SCHEDULE 40 STEEL GAS PIPING AND FITTINGS. HVAC CONTRACTOR SHALL INSTALL ALL NECESSARY VALVES, FITTINGS, REGULATORS, AND SAFETY AND OPERATING DEVICES.



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P101

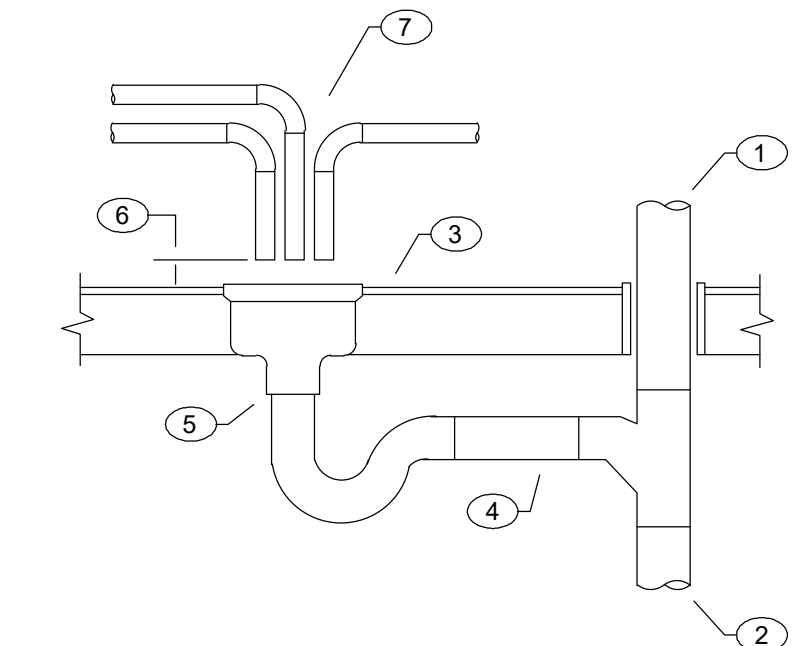
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DIAGRAM KEY NOTES #

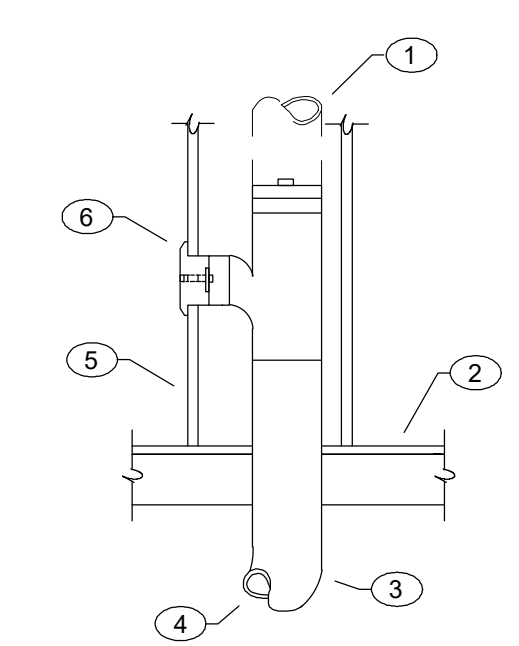
1. VENT. SEE PLANS FOR ROUTING.
2. WASTE. SEE PLANS FOR ROUTING.
3. FLOOR.
4. TRAP ARM.
5. INDIRECT WASTE RECEPTOR PER PLANS.
6. AIR GAP PER CODE.
7. INDIRECT DRAINS. CLUSTER CLOSELY TOGETHER, AND SUPPORT PER CODE.



8
P102 **INDIRECT WASTE DETAIL**
SCALE: NO SCALE

DIAGRAM KEY NOTES #

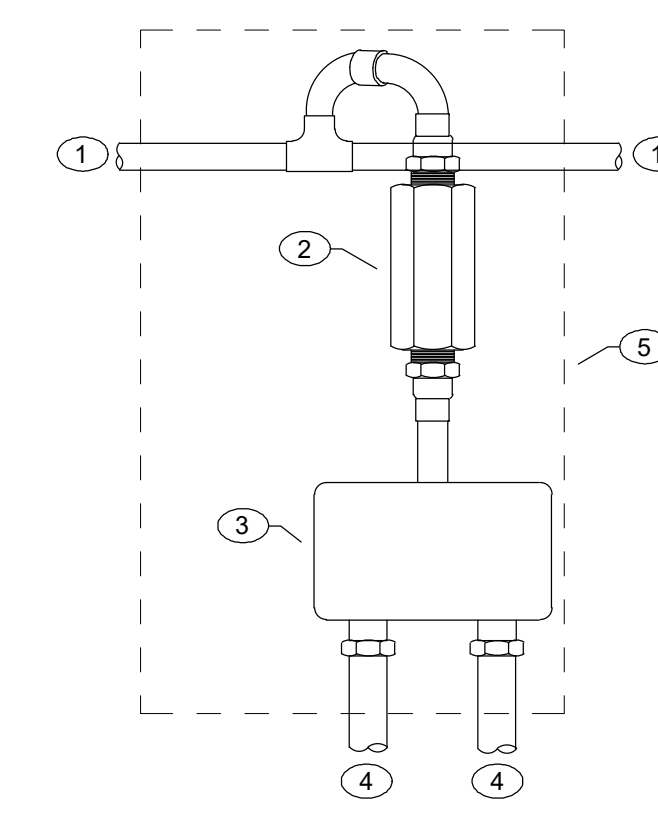
1. MAY EXTEND AS WASTE OR VENT.
2. FLOOR LINE.
3. 1/8 BEND.
4. SEE PLANS FOR CONTINUATION.
5. WALL.
6. WALL COVER AND SCREW. COORDINATE HEIGHT AND FINISH WITH ARCHITECTURAL.



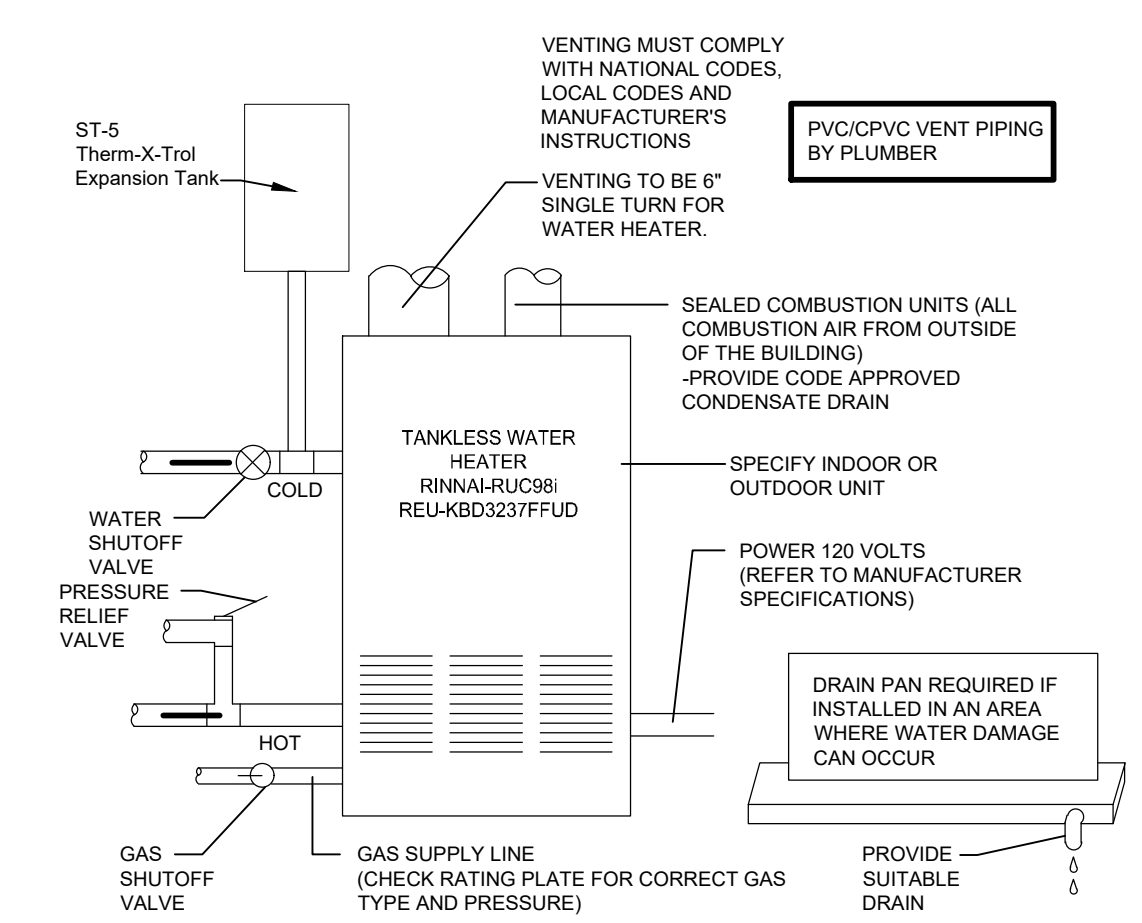
7
P102 **WALL CLEANOUT DETAIL**
SCALE: NO SCALE

DIAGRAM KEY NOTES #

1. COLD WATER. REFER TO PLANS FOR CONTINUATION.
2. TRAP PRIMER VALVE LOCATED MINIMUM 1'-0" ABOVE FINISHED FLOOR. MOUNT AND SECURE PIPING AND TRAP PRIMER TO WALL WITH UNISTRUT OR EQUAL.
3. PROVIDE DISTRIBUTION UNIT WHERE REQUIRED.
4. TRAP PRIMER LINE TO DRAIN.
5. ACCESS PANEL. COORDINATE LOCATION WITH ARCHITECTURAL.



6
P102 **TRAP PRIMER DETAIL**
SCALE: NO SCALE

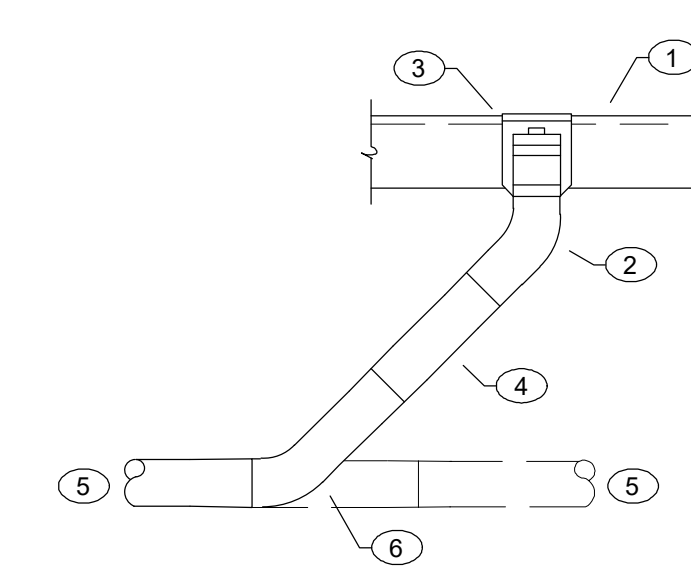


NOTES:
-WATER HEATER MUST BE INSTALLED TO CONFORM WITH CURRENT NATIONAL ELECTRIC CODE, NATIONAL FUEL GAS CODE, AND ANY APPLICABLE LOCAL PLUMBING, ELECTRICAL, HEATING AND AIR CONDITIONING CODES, AND MANUFACTURER INSTALLATION INSTRUCTIONS
-PROTECT HEATER FROM FREEZING
-SPECIFY NATURAL GAS OR PROPANE

10
P102 **TANKLESS WATER HEATER DETAIL**
SCALE: NONE

DIAGRAM KEY NOTES #

1. FLOOR LINE.
2. 1/8 BEND.
3. CLEANOUT AND ACCESS COVER. TOP OF COVER TO BE FLUSH WITH TOP OF FLOOR.
4. WASTE LINE LENGTH TO SUIT.
5. WASTE PIPING. SEE PLANS FOR SIZE AND ROUTING.
6. 1/8 BEND IF CLEANOUT OCCURS AT END OF LINE.



9
P102 **FLOOR CLEANOUT DETAIL**
SCALE: NO SCALE