

AB	ANCHOR BOLT
ABC	AGGREGATE BASE COMPOUND
ABS	Acrylonitrile-butadiene-styrene
ADDL	ADDITIONAL
AFF	ABOUT FINISHED FLOOR
APA	ASPA PLYWOOD ASSOCIATION
ALT	ALTERNATE
BLDG	BUILDING
BLK	BLOCKING
BM	BEAM
BN	BOUNDARY NAILING
BOT	BOTTOM
BTWN	BETWEEN
BRD	BOARD
BRDR	BOARDER
BTU	BRITISH THERMAL UNIT
BWP	BRACED WALL PANEL
CALCS	CALCULATIONS
C.J.	CONTROL JOINT
C	CEILING
C.G.	CORNER GUARD
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONT.	CONTINUOUS
DBL	DOUBLE
DEV. LEN=	DEVELOPED LENGTH
D.H.W.	DOUBLE HUNG WINDOW
D.L.	DEAD LOAD
DR.	DOOR
DYWL	DRYWALL
DWG	DRAWING
DWL	DRYWALL
DWV	DRAINAGE WASTE VENT
EA	EACH
E.B.	EYEBROW
EFC	EACH FACE
ELEC.	ELECTRICAL
EL. ELEV.	ELEVATION
EXT.	EACH WAY
EXT.	EXTERIOR
F.F.	FINISH ELEVATION
F.F.E.	FINISH FLOOR ELEVATION
F.G.	FINISH GRADE
FIN.	FINISHED
F.N.	FIELD NAILING
FIND.	FOUND
F.O.	FACE OF
F.R.	FIRE RESISTANT
FRMG.	FRAMING
FS	FLOOR SINK
FTG	FOOTING
FRP	FIBERGLASS REINFORCED PANEL
GA	GAUGE
GLB	GLUE LAMINATED BEAM
GALV.	GALVANIZED
GRD.	GRADE
GWB	GYPSUM WALL BOARD
GYP. BD.	GYP. BOARD
H.C.	HOLLOW CORE
HDR.	HEADER
HGT.	HEIGHT
HORIZ.	HORIZONTAL
HR.	HOUR
H.S.	HORIZONTAL SLIDER
HVAC	HEATING, VENTILATION AND AIR- CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
IDB	INSIDE DIAMETER
IRC	INTERNATIONAL RESIDENTIAL CODE
INSUL.	INSULATION
J.C.	JANITORS CLOSET
K.	THOUSAND
LAV.	LAVATORY
LDGR.	LEDGER
LIN.	LINEN
L.L.	LIVE LOAD
L.M.	MAXIMUM
M.C.	MEDICINE CABINET
MANFG.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MULDG.	MISCELLANEOUS
M.T.	METAL THRESHOLD
MTL.	METAL
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NPW	NON-POTABLE WATER
N.T.S.	NOT TO SCALE
O.H.D.	OVERHEAD
O.C. O/C	ON CENTER
(O.C.)	OWNER FURNISHED
	CONTRACTOR INSTALLED
(O.O.)	OWNER FURNISHED
	OWNER INSTALLED
OD	OUTSIDE DIAMETER
OSB	ORIENTED STRAND BOARD
P.B.	PARTICLE BOARD
PLT.	PLATE
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PR.	PRESSURE TREATED
QTY.	QUANTITY
R	RADIUS
REINF.	REINFORCEMENT
REQ'D.	REQUIRED
REV.	REVERSE(D)
RF.	ROOF
RO	ROUGH OPENING
R.P.B.P	REDUCED PRESSURE PRINCIPLE BACK-FLOW PREVENTION
R&S	ROD & SHELF
S.C.	SOLID CORE
S.D.	SMOKE DETECTOR
S.G.D.	SLIDING GLASS DOOR
SHLF.	SHELF
SIM.	SIMILAR
S.& S.	SHIRT & SKIRT
SH.& PL.	SHELF & POLE
STL.	STEEL
STND.	STANDARD
STO.	STORAGE
SUSP.	SUSPENDED
T/O	TOP OF
TYP.	TYPICAL
T.W.	TREATED WOOD
V.T.R.	VENT THRU ROOF
W/	WITH
W.R.	WATER RESISTANT
W.T.	WOOD THRESHOLD

WINDOW SCHEDULE

WINDOWS TO BE DUEL PANE
VERIFY ROUGH OPENINGS FOR SELECTED UNITS



MARK	QUANTITY	SIZE	TYPE	REMARKS
A	1	2 ⁰ × 10 ⁰	FIXED PANE	KAWNEER STOREFRONT WINDOW: (SEE WINDOW NOTES)
B	1	3 ⁰ × 3 ⁰	SLIDER	DRIVE-THROUGH CASHIERS WINDOW.
C	1	5 ⁰ × 10 ⁰	FIXED PANE	KAWNEER STOREFRONT WINDOW: (SEE WINDOW NOTES)
D	2	6 ⁰ × 10 ⁰	FIXED PANE	KAWNEER STOREFRONT WINDOW: (SEE WINDOW NOTES)
E	1	3 ⁰ × 7 ⁰	KAWNEER GLASS EXIT DOOR, w/ 3 ⁰ × 7 ⁰ TRANSOM NEXT TO A 3 ⁰ × 10 ⁰ KAWNEER STOREFRONT WINDOW: (SEE WINDOW NOTES)	
F	11	3 ⁰ × 4 ⁰	FIXED PANE	INTRIOR OBSERVATION WINDOWS BETWEEN DINING ROOM AND KITCHEN.

WINDOW NOTES:

- Storefront Layouts and details are based on Kawneer Trifab 450 storefront windows as design intent.
- Sizing:
Contractor to verify window model selections, and dimensions with manufacturers data. Substitutions to be approved by owner prior to beginning construction.
- Glazing Notes:
 - Code Safety:
All storefront, full height glazing must be tempered safety glass.
 - Energy & Comfort:
Glazing to be insulated glass (double-pane) featuring a Low-E performance tint to help with indoor climate control and energy efficiency.
- Dining Side Door Note:
 - 36-inch required egress door with a side window and a full-height transom.
 - Use Kawneer storefront model (such as 190 Narrow Stile or 350 Medium Stile), or equal - to match the style, frames, and look of the front elevation.
 - Builder to coordinate with the supplier to get the official Kawneer manufacturer installation instructions and drawings to ensure proper anchoring and weather sealing during installation.
 - Door #11, and transom frames are commercial-grade extruded aluminum.Sizing: Standard window mullions have 2" front face and 4 1/2" depth using the Kawneer Trifab VG 450 series.

DOOR SCHEDULE

VERIFY LOCKSETS WITH OWNER PRIOR TO INSTALLATION

MARK	QTY.	WIDTH	HEIGHT	THK.	MATERIAL	UL	HRDWR	REMARKS	SIGN
01	1	3'-0"	7'-0"	---	ALUM	---	A	KAWNEER ENTRY DOOR	A
02	1	3'-0"	7'-0"	---	ALUM	---	A	KAWNEER ENTRY DOOR	A
03	1	3'-0"	7'-0"	---	ALUM	---	A	KAWNEER GLASS DOOR - ANTE-ROOM INTO DINING	-
04	1	2'-8"	7'-0"	1 3/8"	WOOD	---	B	MEN'S ROOM DOOR	-
05	1	3'-0"	7'-0"	1 3/8"	WOOD	---	B	JANITORS CLOSET	-
06	1	2'-8"	7'-0"	1 3/8"	WOOD	---	A	WOMEN'S TOILET ROOM DOOR	-
07	1	3'-0"	7'-0"	1 3/8"	WOOD	---	B	MECHANICAL ROOM DOOR	-
08	1	3'-0"	7'-0"	1 3/8"	WOOD	---	B	ELECTRICAL ROOM DOOR	-
09	PAIR	1'-6"	7'-0"	1 3/8"	WOOD	---	B	KITCHEN 'SALOON' DOORS (SEE DOOR NOTE 9).	-
10	1	3'-0"	7'-0"	---	ALUM	---	A	KAWNEER GLASS EXIT DOOR, w/ 3'0" x 7'0" TRANSOM NEXT TO A 3'0" x 10'0" KAWNEER STOREFRONT WINDOW: (SEE WINDOW NOTES)	A
11	1	4'-0"	7'-0"	1 1/2"	STEEL	---	A	KITCHEN SIDE DELIVERY DOOR	-
12	1	3'-0"	7'-0"	1 3/8"	WOOD	---	B	JANITORS CLOSET	-
13	1	3'-0"	7'-0"	1 3/8"	WOOD	---	B	OFFICE DOOR	-
14	1	3'-0"	7'-0"	1 1/2"	STEEL	---	A	SIDE ENTRY DOOR	A

HARDWARE GROUP

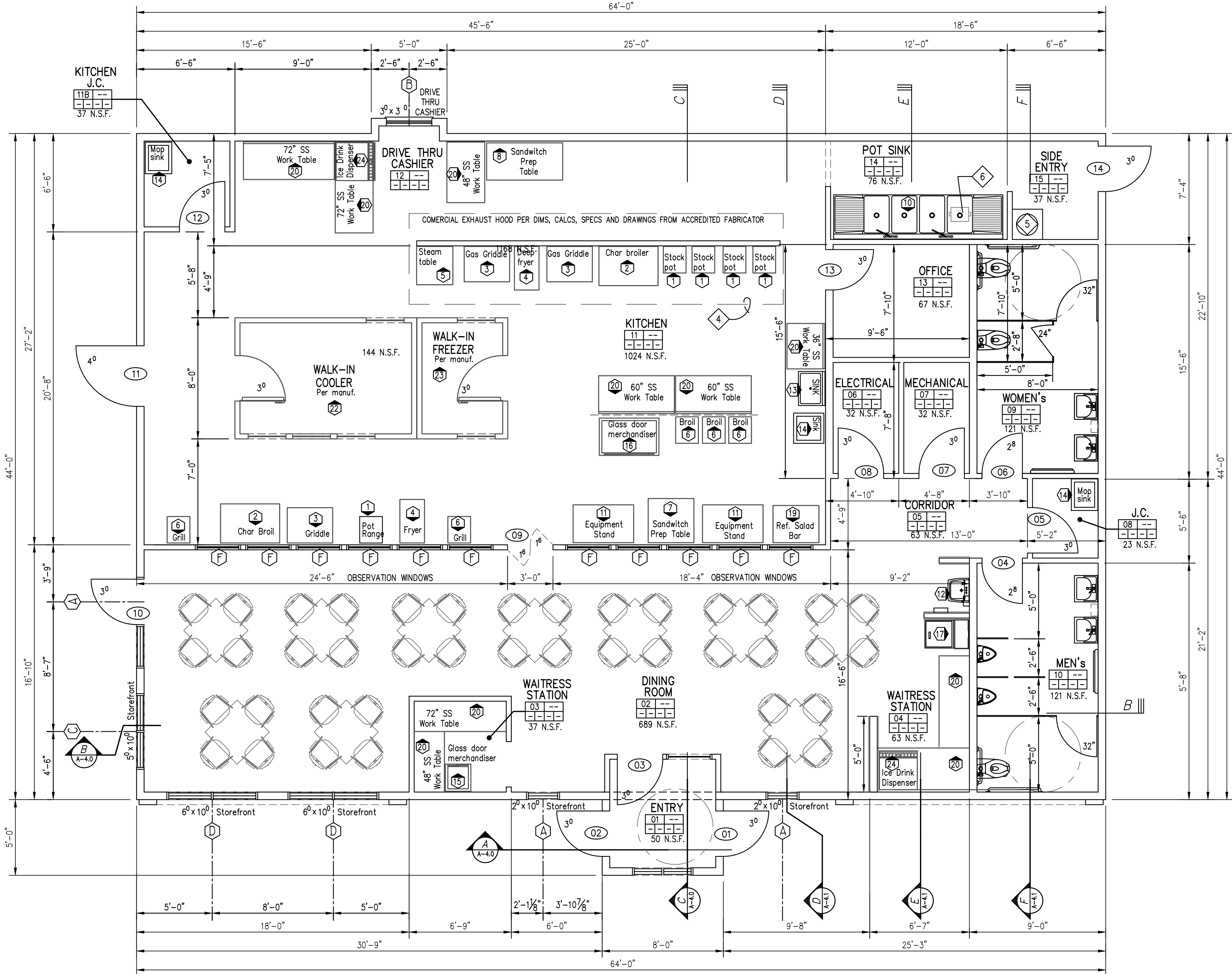
- A** 3 Butt Hinges
Keyed Lockset
Lever Handles
Door Stop
- B** 3 Butt Hinges
Passage Lockset
Lever Handles
Door Stop
- C** 3 Butt Hinges
Privacy Lockset
Lever Handles
Door Stop
- C** per fabricator's
Recommendations

SIGNAGE

- A.** This door to remain unlocked when building is occupied.
B. Emergency exit only.

DOOR NOTES:

- (ADAAG 4.13.5) Clear Width. Doorways shall have a minimum clear opening of 32 in with the door open 90 degrees, measured between the face of the door and the opposite stop (see ADAG Fig. 24(a), (b), (c), and (d)). Openings more than 24 in in depth shall comply with 4.2.1 and 4.3.3 (see ADAAG Fig. 24(e)).
EXCEPTION: Doors not requiring full user passage, such as shallow closets, may have the clear opening reduced to 20 in (510 mm) minimum.
- (ADAAG 4.13.6) Maneuvering Clearances at Doors. Minimum maneuvering clearances at doors that are not automatic or power-assisted shall be as shown in Fig. 25. The floor or ground area within the required clearances shall be level and clear.
- (ADAG 4.13.8) Thresholds at Doorways. Thresholds at doorways shall not exceed 3/4 in in height for exterior sliding doors or 1/2 in for other types of doors. Raised thresholds and floor level changes at accessible doorways shall be beveled with a slope no greater than 1:2 (see ADAG Section 4.5.2).
(ADAAG 4.5.2) Changes in Level. Changes in level up to 1/4 in may be vertical and without edge treatment (see ADAG Fig. 7(c)). Changes in level between 1/4 in and 1/2 in shall be beveled with a slope no greater than 1:2 (see ADAG Fig. 7(d)). Changes in level greater than 1/2 in shall be accomplished by means of a ramp that complies with ADAAG Sections 4.7 or 4.8.
- (ADAG 4.13.9) Door Hardware. 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. When sliding doors are fully open, operating hardware shall be exposed and usable from both sides. Hardware required for accessible door passage shall be mounted no higher than 48 in above finished floor (Also see Sheet Note 6).
- (ADAG 4.13.10) Door Closers. If a door has a closer, then the sweep period of the closer shall be adjusted so that from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 in from the latch, measured to the leading edge of the door.
- (ADAG 4.13.11(2)(a) Door Opening Force. The maximum force for pushing or pulling open an interior hinged door shall be no greater than 5 lbf.
- A tactile sign stating EXIT and complying with ICC A117.1 shall be provided adjacent to each door to an egress stairway, an exit passageway and the exit discharge. (ref. IBC 1011.3)
- Tempered glass: all glazed doors, any glazed panel adjacent to any door & any glazed panel which meets all of the following conditions shall all be tempered:
 - Exposed area of an individual pane greater than 9 s.f.
 - Exposed bottom edge less than 18" a.f.f.
 - Exposed top edge greater than 36" a.f.f.
 - One or more walking surface(s) within 36" horizontally of the plane of the glazing.
- Door #09: 42 inch-high double action (saloon style) doors. Install the double-action Gravity Hinges so the bottom of the doors sits 18" A.F.F. and the top edge is 60" high. Gravity Hinges glide back to center gently and quietly, and have a built-in "hold-open" feature if you push them past 90 degrees.



Floor Plan

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

GENERAL NOTES

- DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE (U.N.O.).
- CONSULT OWNER AND INSTALLATION CONTRACTOR FOR DATA OUTLETS, SPEAKERS AND OTHER LOW VOLTAGE WIRING, INCLUDING "TUSH-LIGHTS" IN PUBLIC RESTROOMS.
- SEE STRUCTURAL ENGINEERS DRAWINGS FOR FOUNDATION AND BEAMS.
- 1108.2.9.1 Dining surfaces. Where dining surfaces for the consumption of food or drink are provided, at least 5 percent, but not less than one, of the dining surfaces for the seating and standing spaces shall be accessible and be distributed throughout the facility and located on a level accessed by an accessible route.
- INSTA-HOT (Consult owner for locations).
- FDC ON WALL EXTERIOR @ 3'-0" AFF
VERIFY LOCATION WITH FIRE DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION.
- SECTION 906
PORTABLE FIRE EXTINGUISHERS
906.1 WHERE REQUIRED, PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN ALL OF THE FOLLOWING LOCATIONS:
 - IN GROUP A, B, E, F, H, I, M, R-1, R-2, R-4 AND S OCCUPANCIES.906.3.1 CLASS A FIRE HAZARDS: THE MINIMUM SIZES AND DISTRIBUTION OF PORTABLE FIRE EXTINGUISHERS FOR OCCUPANCIES THAT INVOLVE PRIMARILY CLASS A FIRE HAZARDS SHALL COMPLY WITH TABLE 906.3(1).

SHEET KEY NOTES

- BABY CHANGING STATION.
- 110V FLOOR OUTLETS (PROVIDE SWEEPS FOR GFCI FLOOR BOX) WHERE OCCURS. CONSULT OWNER PRIOR TO BEGINNING CONSTRUCTION.
- FLOOR SINK-INDIRECT RECEPTOR
- COMMERCIAL EXHAUST HOOD PER DIMS, CALCS, SPECS AND DRAWINGS FROM ACCREDITED FABRICATOR
- 60 GALLON WATER HEATER (VERIFY).
- GREASE TRAP.

ROOM FINISH SCHEDULE

SPACE No.	FINISH CEILING HEIGHT (FEET)
01	9 ft. flat, Unless Noted Otherwise
FLOOR	CEILING CONDITION & LIGHTING
BASE (Finish schedule to be completed by Owner)	BASE
FLOOR	FLOOR
1. CARPET	1. RESILIENT
2. VINYL TILE	2. WOOD
3. CERAMIC TILE	3. NONE
4. CONCRETE	
5. WOOD FLOORING	CEILING CONDITION
1. DRYWALL	1. DRYWALL PAINTED
2. W.R. DRYWALL PAINTED	2. LAY-IN (DROP) PANELS
3. CERAMIC TILE	3. EXPOSED STRUCTURE
4. EXPOSED STRUCTURE	4. 5/8" TYPE-X GYP.
5. 5/8" TYPE-X GYP. BD.	5. PER FABRICATOR
6. FRP OVER	

FINISH SCHEDULE TO BE COMPLETED BY OWNER/BUILDER PRIOR TO BEGINNING CONSTRUCTION.

PANCHO VILLA TACOS

ROOM BY ROOM NET SQUARE FOOTAGE:

SPACE NUMBER	SPACE NAME	N.S.F.
01	ENTRY ATRIUM	50
02	DINING ROOM	689
03	WAITRESS STATION	37
04	WAITRESS STATION	63
05	CORRIDOR	63
05A	CIRCULATION	39
06	ELECTRICAL ROOM	32
07	MECHANICAL ROOM	32
08	JANITORS CLOSET (JC)	23
09	WOMENS TOILET ROOM	121
10	MENS TOILET ROOM	121
11	KITCHEN	1024
11A	COOLER & FREEZER FOOTPRINT	144
11B	KITCHEN JANITORS CLOSET (JC)	37
12	CASHIER INCLUDED IN KITCHEN AREA	
13	OFFICE	67
14	4-COMP. POT SINK AREA	76
15	DELIVERY ENTRY	37

SYMBOL LEGEND

SPACE NAME	SEE ROOM FINISH SCHEDULE ON THIS SHEET.
NUM. 11-11-11	
A	WINDOW MARK: SEE WINDOW SCHEDULE ON SHEET A-1.2.
01	DOOR NUMBER: SEE DOOR SCHEDULE ON SHEET A-1.2.
A-12	BUILDING SECTION: MARK/ A / SHEET
X DI	DETAIL NUMBER/SHEET
01	INTERIOR ELEVATION - SEE SHEET A-1.2
RO	R.O. WATER LOCATION (ALSO SEE A-1.1).
DI	TELEPHONE OUTLET (VERIFY WITH OWNER PRIOR TO INSTALLATION).
DI	EQUIPMENT SCHEDULE NUMBER. SEE SCHEDULE ON SHEET A-1.2

CLEAR SPACE AT FIXTURES

- WATER CLOSETS:** 48 IN. x 66 IN. (ADAAG 4.16. SEE FIG. 28)
- LAVATORIES:** 30 IN. x 48 IN.-EXTEND MAX 19 IN. UNDER FIXTURE. (ADAAG 4.19.3 SEE FIG. 32)
- URINALS:** 48 IN. x 66 IN. (ADAAG 4.16. SEE FIG. 28)

PREPARE BY:

SUNLAND AND ASSOCIATES LLC.

CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING • STRUCTURAL DESIGN
2169 Swanson Avenue, Suite 10 Phone (928) 328-8799
Lake Havasu City, Az. 86403 maggie@sunlandengineering.net
hugo@sunlandengineering.net

CLIENT:

DESIGNED BY:

H.A.

DRAWN BY:

SRT

CHECKED BY:

JTS

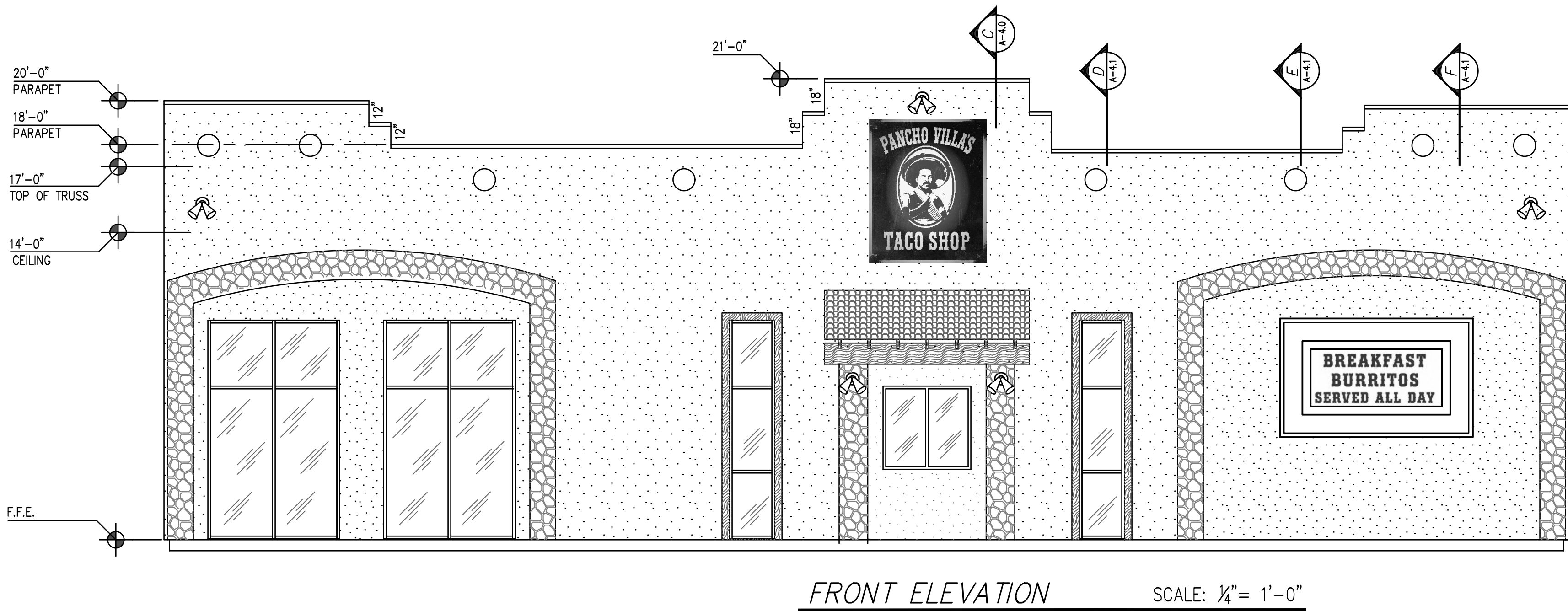
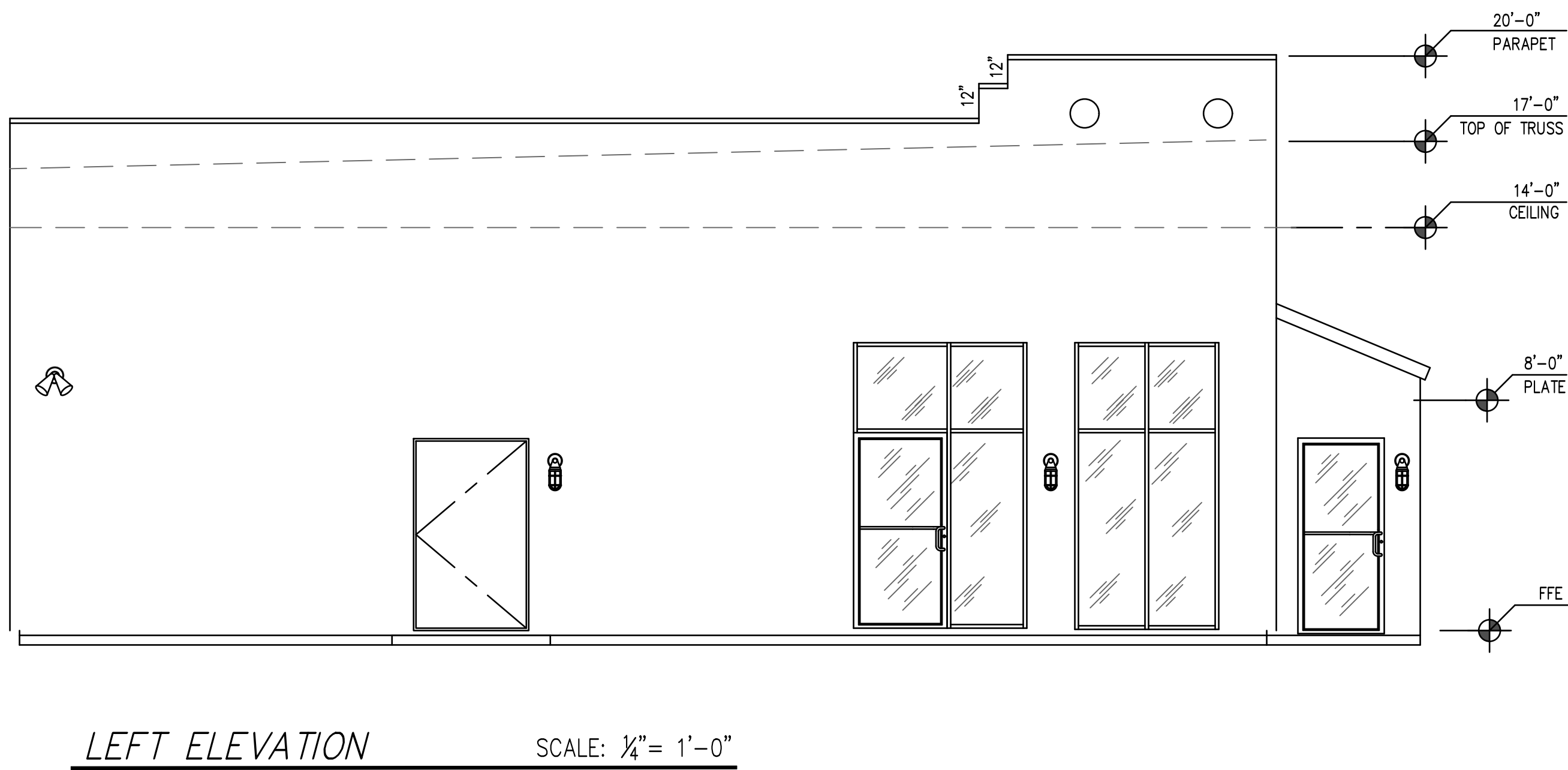
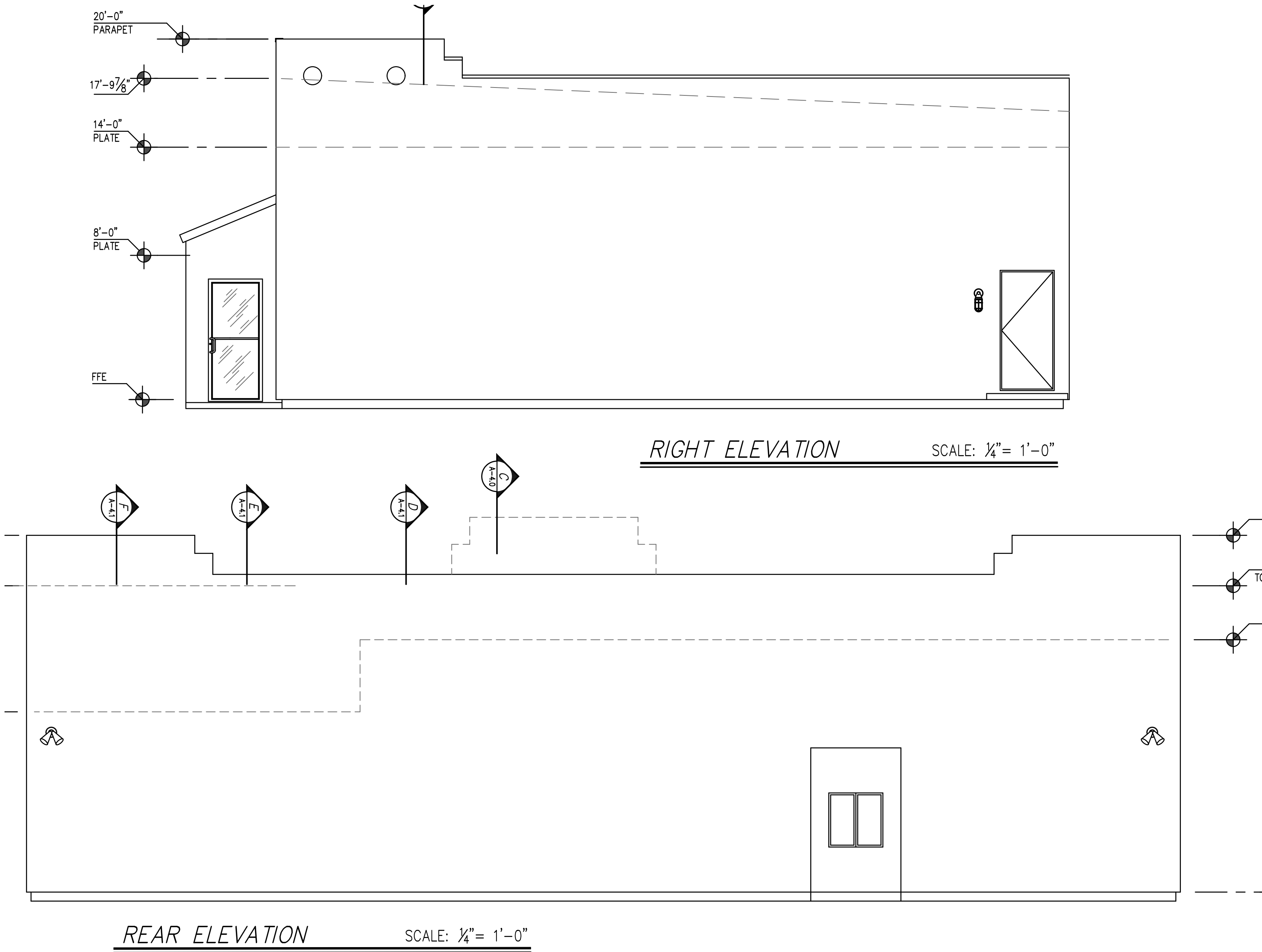
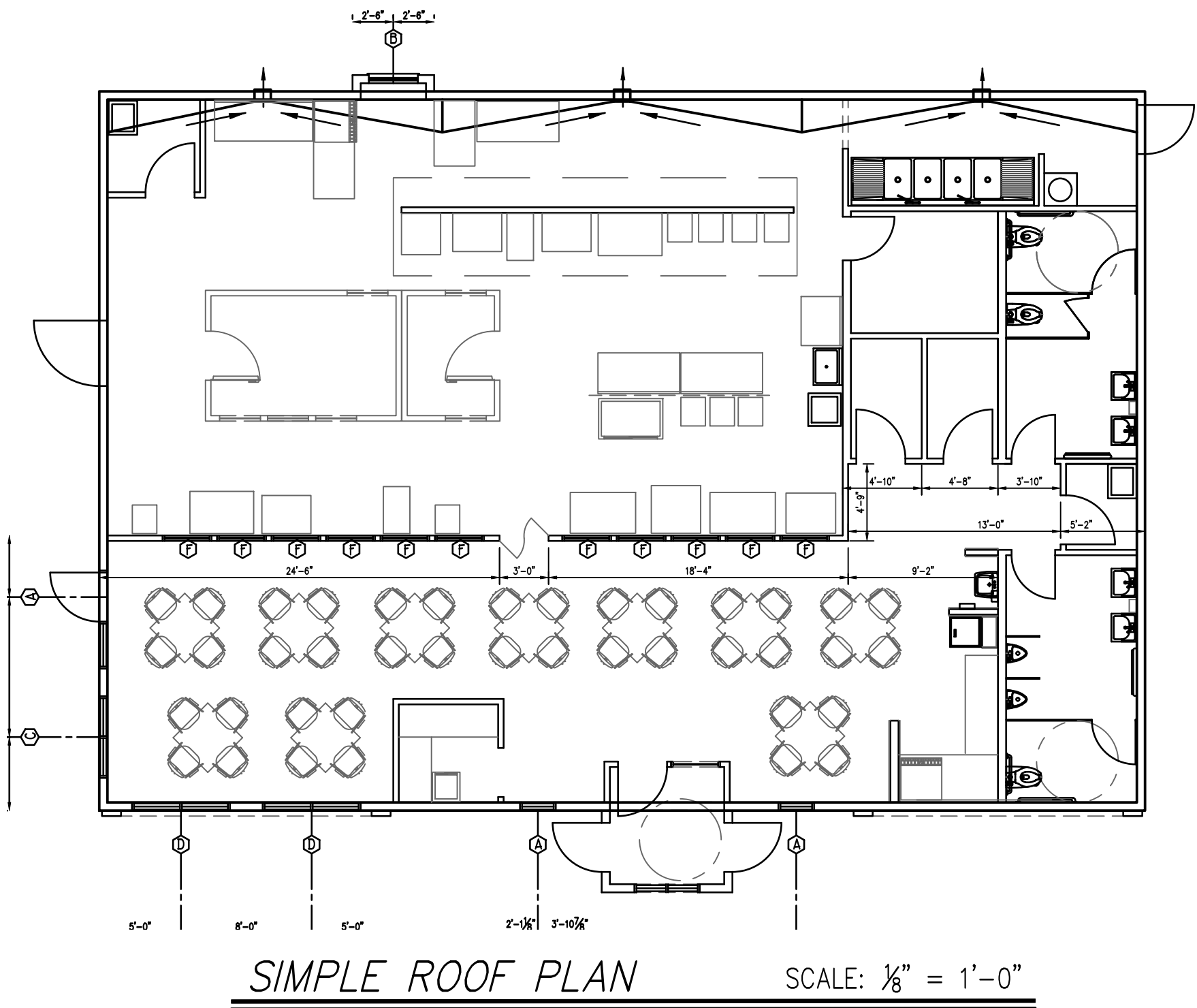
SCALE
AS NOTED

SHEET 3 OF 17

SHEET NUMBER
A-1.0

ROOF DRAINAGE & SCUPPER SIZING CALCULATION COMPLIANCE SHEET
Project Type: Small Commercial Restaurant
Location: Mohave County, Arizona
Applicable Codes: 2018 IBC (Section 1611) & 2018 IPC (Chapter 11)

1. PROJECT DESIGN BASIS:
- Total Roof Area: 2,709 Sq. Ft.
 - Roof Slope: 1/2" per foot
 - Geometry: 64 ft. Wide x 44 ft. Deep (in direction of slope)
 - Drainage Layout: 3 Primary Drainage Points (via roof crickets)
 - Tributary Area per Point: 903 Sq. Ft. (2,709 / 3)
 - Local Design Rainfall Intensity: 4 inches per hour (Mohave County, AZ)
2. PRIMARY SCUPPER SPECIFICATIONS (Per 2018 IPC Section 1106.5):
- Equivalent Code Drain: 3-inch standard vertical roof drain
 - Minimum Width Criteria: Equal to equivalent pipe circumference ($3" \times \pi = 9.42"$)
 - Absolute Minimum Height: 4 inches
 - REQUIRED MINIMUM DIMENSION: 4" High x 10" Wide (Net Open Area)
 - Pitch: Sleeves through parapet must slope outward at min. 1/4" per foot.
3. SECONDARY OVERFLOW SCUPPER SPECIFICATIONS (Per 2018 IBC Section 1611.1):
- Location: Positioned directly adjacent to/above each primary location.
 - Invert Elevation: Bottom must be set exactly 2" above finished roof membrane.
 - Design Flow Capacity: 37.56 GPM per scupper (independent weir calculation)
 - REQUIRED MINIMUM DIMENSION: 4" High x 5" Wide
 - Note: Sizing up to a uniform 4" x 10" opening to match primary scuppers is recommended for architectural uniformity.
4. EXTERIOR DOWNSPOUT SIZING (Per 2018 IPC Table 1106.2(2)):
- Round Option: Minimum 3-inch diameter vertical pipe.
 - Rectangular Option: Minimum 2" x 3" open face pipe.
 - Recommended Commercial Practice: 3" x 4" corrugated or smooth rectangular downspouts tied into exterior collector heads for debris protection.
5. GENERAL DISCHARGING CODE REQUIREMENTS:
- Primary scuppers must pipe directly to approved drainage paths/gutters.
 - Secondary overflow scuppers must splash freely to daylight to serve as a visual alert to facility management that the primary line is blocked.



				PREPARE BY:		 SUNLAND AND ASSOCIATES LLC. CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING • STRUCTURAL DESIGN 2169 Swanson Avenue, Suite 10 Phone (928) 328-8799 Lake Havasu City, Az. 86403 maggie@sunlandengineering.net hugo@sunlandengineering.net			EXTERIOR ELEVATIONS SIMPLE ROOF PLAN			SCALE		
				AS NOTED										
				CLIENT:					SHEET 7 OF 17					
				DESIGNED BY: H.A.					DRAWN BY: SRT		CHECKED BY: JTS		SHEET NUMBER A-2.0	
REV.	DESCRIPTION			DATE	BY									



 BUILDING SECTION SCALE: $\frac{1}{4}" = 1'-0"$



				PREPARE BY:	 SUNLAND AND ASSOCIATES LLC. CIVIL · ENGINEERING · LAND PLANNING · LAND SURVEYING · STRUCTURAL DESIGN 2169 Swanson Avenue, Suite 10 Phone (928) 328-8799 Lake Havasu City, Az. 86403 maggie@sunlandengineering.net hugo@sunlandengineering.net	BUILDING SECTIONS & DETAILS			SCALE AS NOTED		
				SHEET 10 OF 17							
						CLIENT:	SHEET NUMBER A-4.1				
							DESIGNED BY: H.A.	DRAWN BY: SRT	CHECKED BY: JTS		
REV.	DESCRIPTION	DATE	BY								

PLOT STYLE: PROJECT LOCATION & NAME: D:\Draw\Draw_2026\Sunland\Mex-Restaurant\Production\MexRestaurant-01.dwg PLOT TIME: Saturday, July 25, 2026 20:43:11 LAYOUT: 10-A-4.1

SECTION 1016
EXIT ACCESS
1016.1 GENERAL. THE EXIT ACCESS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTIONS 1003 THROUGH 1015. EXIT ACCESS ARRANGEMENT SHALL COMPLY WITH SECTIONS 1016 THROUGH 1021.

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE		
OCCUPANCY	WITHOUT SPRINKLER SYSTEM (FEET)	WITH SPRINKLER SYSTEM (FEET)
A, E, F-1, M, R, S-1	200 ^a	250 ^a
I-1	Not Permitted	250 ^a
A, E, F-1, M, R, S-1	200	300 ^a
A, E, F-1, M, R, S-1	300	400 ^a
A, E, F-1, M, R, S-1	Not Permitted	75 ^d
A, E, F-1, M, R, S-1	Not Permitted	100 ^d
A, E, F-1, M, R, S-1	Not Permitted	150 ^d
A, E, F-1, M, R, S-1	Not Permitted	175 ^d
A, E, F-1, M, R, S-1	Not Permitted	200 ^c
I-2, I-3	Not Permitted	200 ^c
I-4	150	200 ^c

For SI: 1 foot = 304.8 mm.

- a. See the following sections for modifications to exit access travel distance requirements:
- Section 402.8: For the distance limitation in malls.
- Section 404.9: distance limitation through an atrium space.
- Section 407.4: For the distance limitation in Group I-2.
- Sections 408.6.1 and 408.8.1: Distance limitations in Group I-3.
- Section 411.3: For the distance limitation in special amusement buildings.
- Section 412.6: For the distance limitations in aircraft manufacturing facilities.
- Section 1006.2.2.2: For the distance limitation in refrigeration machinery rooms.
- Section 1006.2.2.3: For the distance limitation in refrigerated rooms and spaces.
- Section 1006.3.3: For buildings with one exit.
- Section 1017.2.2: For increased distance limitation in Groups F-1 and S-1.
- Section 1029.7: For increased limitation in assembly seating.

2018 IBC® CODE AND COMMENTARY
SECTION 107: SUBMITTAL DOCUMENTS

[A] 107.2.3 Means of egress. The construction documents shall show in sufficient detail the location, construction, size and character of all portions of the means of egress including the path of the exit discharge to the public way in compliance with the provisions of this code. In other than occupancies in Groups R-2, R-3, and I-1, the construction documents shall designate the number of occupants to be accommodated on every floor, and in all rooms and spaces.

1006.3.2 Egress based on occupant load. Each story and occupied roof shall have the minimum number of separate and distinct exits, or access to exits, as specified in Table 1006.3.2. A single exit or access to a single exit shall be permitted in accordance with Section 1006.3.3. The required number of exits, or exit access stairways or ramps providing access to exits, from any story or occupied roof shall be maintained until arrival at the exit discharge or a public way.

TABLE 1006.3.2 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY	
OCCUPANT LOAD PER STORY	MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS FROM STORY
1-500	2
501-1,000	3
More than 1,000	4

1108.2.3 Companion seats. At least one companion seat shall be provided for each wheelchair space required by Sections 1108.2.2.1 through 1108.2.2.3.

- OCCUPANT LOAD NARRATIVE -

THE TOTAL CALCULATED OCCUPANT LOAD EXCEEDS 50 PERSONS, THEREFORE IS CLASSIFIED UNDER ASSEMBLY GROUP A-2 (RATHER THAN BUSINESS GROUP B).

OCCUPANT LOAD BREAKDOWN

DINING ROOM (890 NSF): 59 PERSONS CALCULATED AT 15 NET SQ. FT. PER PERSON.

COMMERCIAL KITCHEN (1034 NSF): 5 PERSONS CALCULATED AT 200 GROSS SQ. FT. PER PERSON.

SUPPORT AREAS (OFFICE/STORAGE): 2 PERSONS ESTIMATED BASED ON STANDARD ACCESSORY LOAD FACTORS.

PLUMBING FIXTURES:
REQUIRES SEPARATE MALE AND FEMALE RESTROOMS FOR GROUP A-2.

EGRESS WIDTH:
MINIMUM WIDTH DEPENDS ON THE 64-PERSON TOTAL LOAD.

EXIT DOORS:
MAIN ENTRY DOORS MUST SWING OUTWARD IN THE DIRECTION OF EXIT TRAVEL.

PANIC HARDWARE:
NOT REQUIRED SINCE THE TOTAL LOAD IS UNDER 100 PERSONS.

SECTION 906
PORTABLE FIRE EXTINGUISHERS

906.1 WHERE REQUIRED. PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN ALL OF THE FOLLOWING LOCATIONS:

1. IN GROUP A, B, E, F, H, I, M, R-1, R-2, R-4 AND S OCCUPANCIES.

906.3.1 CLASS A FIRE HAZARDS: THE MINIMUM SIZES AND DISTRIBUTION OF PORTABLE FIRE EXTINGUISHERS FOR OCCUPANCIES THAT INVOLVE PRIMARILY CLASS A FIRE HAZARDS SHALL COMPLY WITH TABLE 906.3(1).

TABLE 906.3(1) FIRE EXTINGUISHER FOR CLASS A FIRE HAZARDS			
	LIGHT (Low) HAZARD OCCUPANCY	ORDINARY (Moderate) HAZARD OCCUPANCY	XTRA (High) HAZARD OCCUPANCY
Minimum-rated single extinguisher	2-A ^a	2-A	4-A ^a
Maximum floor area per unit of A	3,000 square feet	1,500 square feet	1,000 square feet
Maximum floor area per unit of A	11,250 square feet	11,250 square feet	11,250 square feet
Maximum floor area per extinguisher ^b	75 feet	75 feet	75 feet

906.4 COOKING EQUIPMENT FIRES. FIRE EXTINGUISHERS PROVIDED FOR THE PROTECTION OF COOKING EQUIPMENT SHALL BE OF AN APPROVED TYPE COMPATIBLE WITH THE AUTOMATIC FIRE-EXTINGUISHING SYSTEM AGENT. COOKING EQUIPMENT INVOLVING SOLID FUELS OR VEGETABLE OR ANIMAL OILS AND FATS SHALL BE PROTECTED BY A CLASS K-RATED PORTABLE EXTINGUISHER IN ACCORDANCE WITH SECTIONS 906.1, ITEM 2, 906.4.1 AND 906.4.2 OF THE INTERNATIONAL FIRE CODE, AS APPLICABLE

- OCCUPANT TABLE -

SPACE No.	SPACE NAME	AREA (SQ. FT.) ÷	LOAD FACTOR	LOAD (per Code)
01	ENTRY ATTRILUM	50	---	0 ^a .
02	DINING ROOM	689	15 =	59
03	WAITRESS STATION	37	---	1
04	WAITRESS STATION	63	---	1
05	CORRIDOR	63	---	0 ^a .
06	CIRCULATION	39	---	0 ^a .
07	ELECTRICAL ROOM	32	---	0 ^b .
08	MECHANICAL ROOM	32	---	0 ^b .
09	JANITORS CLOSET (JC)	23	---	0 ^a .
10	WOMENS TOILET ROOM	121	---	0 ^a .
11	MENS TOILET ROOM	121	---	0 ^a .
12	KITCHEN	1024	200	5
13	COOLER & FREEZER FOOTPRINT	144	---	0 ^a .
14	KITCHEN JANITORS CLOSET (JC)	37	---	0
15	DRIVE THROUGH CASHIER	---	---	1
16	OFFICE	67	---	1
17	4-COMP. POT SINK AREA	76	---	1
18	DELIVERY ENTRY	37	---	0 ^a .
TOTAL ASSEMBLY (A2) OCCUPANT LOAD:				69

a. Circulation area only. Anyone present here comes from some other area.

b. Area utilized for equipment, or storage only.

IBC REFERENCE: SECTION 1010.2.9 (PANIC AND FIRE EXIT HARDWARE).

THIS SECTION EXPLICITLY STATES THAT EACH DOOR PINNING OR LATCHING MECHANISM SERVING A GROUP A (ASSEMBLY) OR GROUP E (EDUCATIONAL) OCCUPANCY WITH AN OCCUPANT LOAD OF 50 OR MORE MUST BE EQUIPPED WITH APPROVED PANIC HARDWARE OR FIRE EXIT HARDWARE.

NFPA 101 REFERENCE: SECTION 12.2.2.2.3 (FOR NEW ASSEMBLY OCCUPANCIES)

NOTE THAT NFPA 101 SETS THE PANIC HARDWARE THRESHOLD AT AN OCCUPANT LOAD OF 100 OR MORE, BUT BECAUSE THE IBC ENFORCES THE STRICTER LIMIT OF 50, THESE PLANS DEFAULT TO THE IBC THRESHOLD.

IBC REFERENCE: SECTION 1010.2 (DOOR HARDWARE) AND SECTION 1010.2.1 (UNLATCHING).

THIS MANDATE DICTATES THAT EGRESS DOORS MUST BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, OR SPECIAL KNOWLEDGE OR EFFORT. IT SPECIFICALLY FORBIDS DOUBLE-CYLINDER DEADBOLTS, THUMB TURNS, PADLOCKS, OR ANY MECHANISM REQUIRING A SEPARATE SECONDARY ACTION TO RELEASE.

NFPA 101 REFERENCE: SECTION 7.2.1.5.3.

THIS SECTION DICTATES THAT LOCKS AND LATCHES MUST NOT REQUIRE THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE, OR EXTRAORDINARY EFFORT TO OPEN FROM THE INSIDE.

EMERGENCY LIGHTING (90-MINUTE BATTERY BACKUP)

IBC REFERENCE: SECTION 1008.3 (EMERGENCY POWER FOR ILLUMINATION) AND SUB-SECTIONS 1008.3.4 AND 1008.3.5. THIS SECTION MANDATES THAT THE EMERGENCY POWER SYSTEM MUST PROVIDE AUTOMATED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN THE EVENT OF A PRIMARY POWER SUPPLY FAILURE.

NFPA 101 REFERENCE: SECTION 7.9.2.1 (PERFORMANCE OF SYSTEM).

THIS SECTION STIPULATES THAT EMERGENCY LIGHTING MUST BE PROVIDED FOR A MINIMUM OF 1.5 HOURS (90 MINUTES) IN THE EVENT OF NORMAL LIGHTING FAILURE.

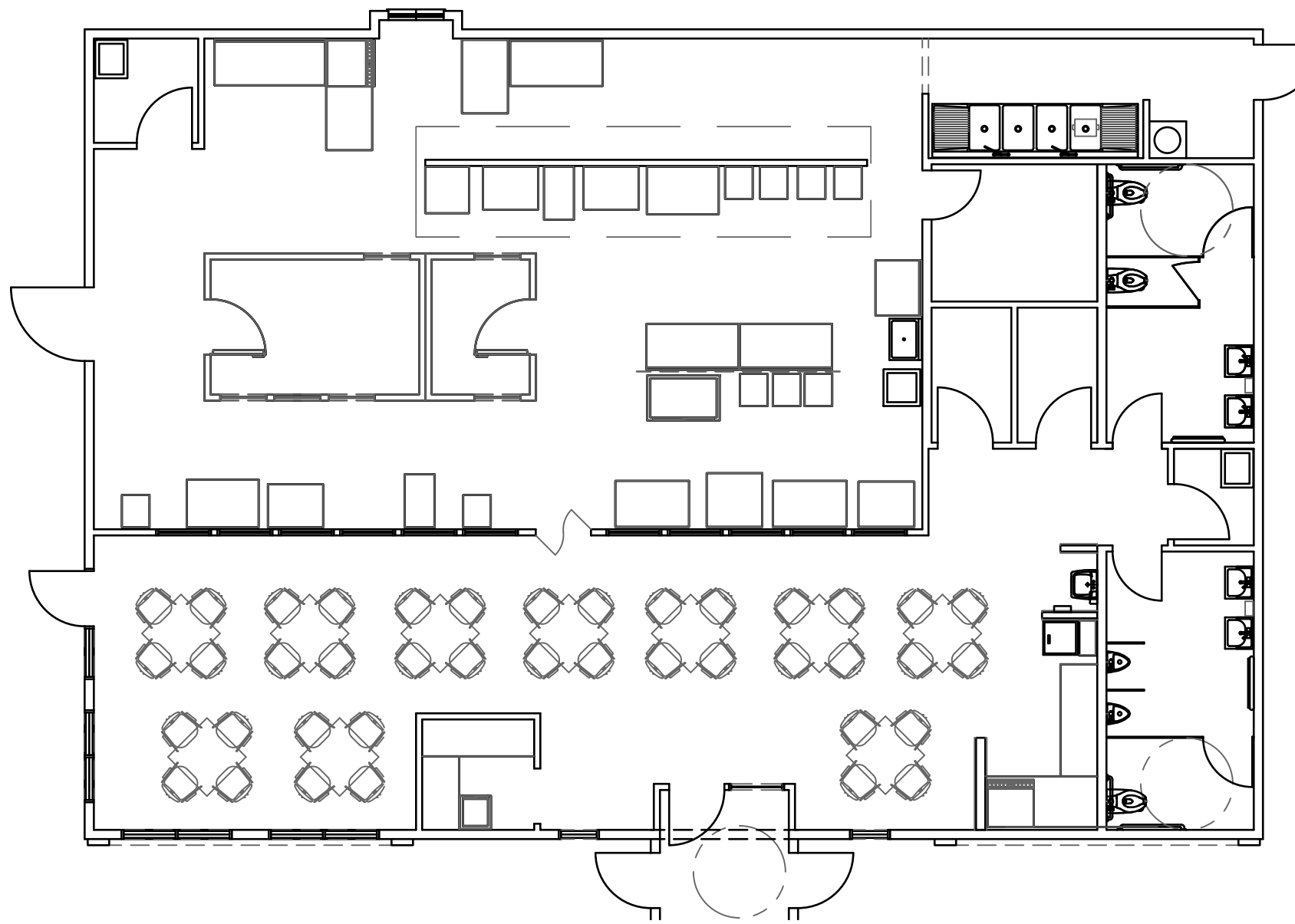
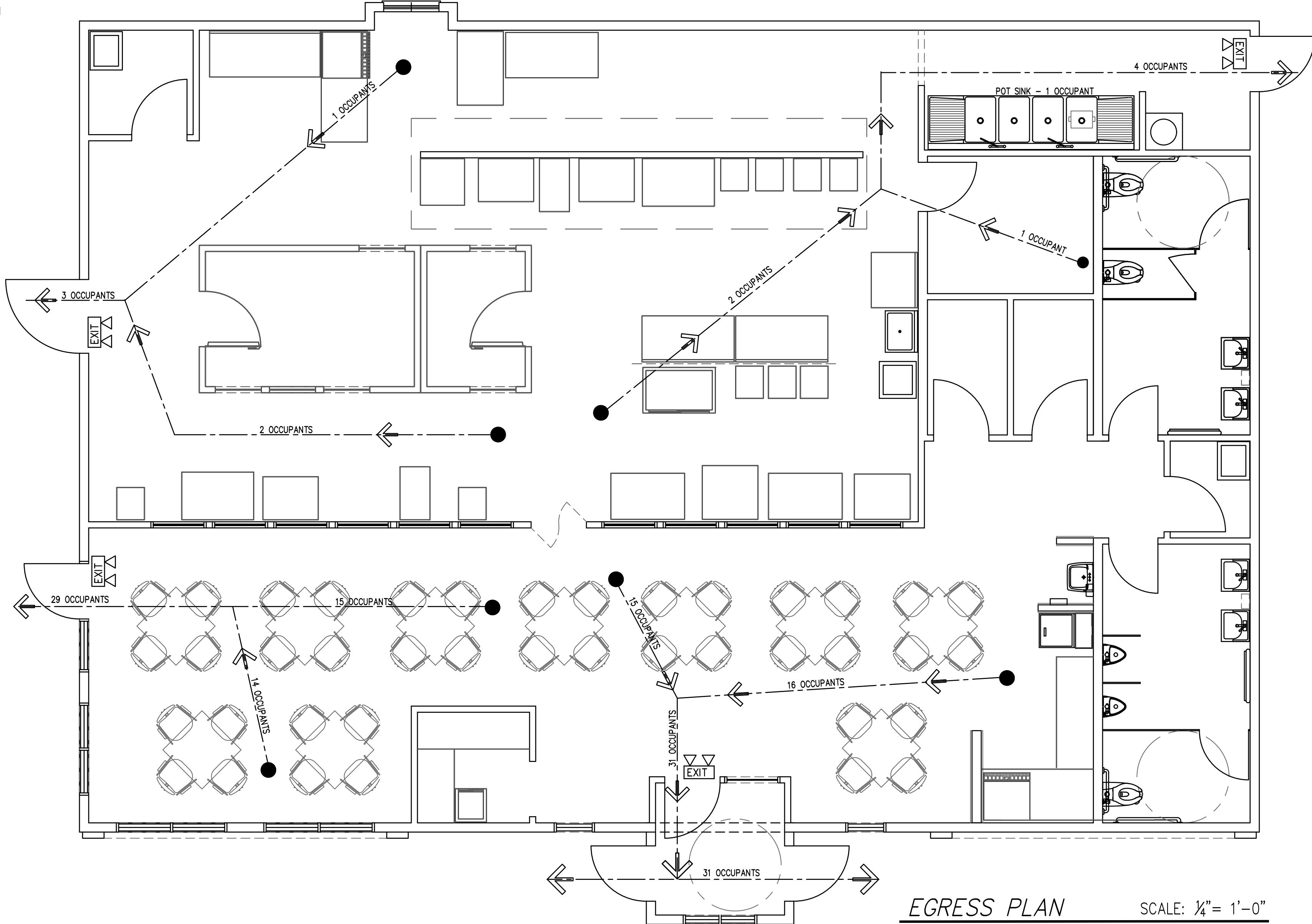


TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT	
FUNCTION OF SPACE	OCCUPANT LOAD FACTOR ^a
Accessory storage areas, mechanical equipment room	300 gross
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Exhibit gallery and museum	30 net
Assembly with fixed seats	See Section 1004.6
Assembly without fixed seats	
Concentrated	7 net
(chairs only - not fixed)	
Standing space	5 net
Unconcentrated (tables and chairs)	15 net
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	150 gross
Concentrated business use areas	See Section 1004.8
Courtrooms - other than fixed seating areas	40 net
Day care	35 net
Dormitories	50 gross
Educational	
Classroom area	20 net
Shops and other vocational room areas	50 net
Exercise rooms	50 gross
Group H-5 fabrication and manufacturing areas	200 gross
Industrial areas	100 gross
Institutional areas	
Inpatient treatment areas	240 gross
Outpatient areas	100 gross
Sleeping areas	120 gross
Kitchens, commercial	200 gross
Library	
Reading rooms	50 gross
Stack area	100 gross
Locker rooms	50 gross
Mail buildings-covered and open	See Section 402.8.2
Mercantile	60 gross
Storage, stock, shipping areas	300 gross
Parking garages	200 gross
Residential	200 gross
Skating rinks, swimming pools	
Rink and pool	50 gross
Decks	15 gross
Stages and platforms	15 net
Warehouses	500 gross

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m².
a. Floor area in square feet per occupant.

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1004.6 Fixed seating. For areas having fixed seats and aisles, the occupant load shall be determined by the number of fixed seats installed therein. The occupant load for areas in which fixed seating is not installed, such as waiting spaces, shall be determined in accordance with Section 1004.5 and added to the number of fixed seats.

For areas having fixed seating without dividing arms, the occupant load shall be not less than the number of seats based on one person for each 18 inches (457 mm) of seating length.

The occupant load of wheelchair spaces and the associated companion seat shall be based on one occupant for each wheelchair space and one occupant for the associated companion seat provided in accordance with Section 1108.2.3.

For areas having fixed seating without dividing arms, the occupant load shall be not less than the number of seats based on one person for each 18 inches (457 mm) of seating length.

The occupant load of seating booths shall be based on one person for each 24 inches (610 mm) of booth seat length measured at the backrest of the seating booth.

1004.8 Concentrated business use areas. The occupant load factor for concentrated business use shall be applied to telephone call centers, trading floors, electronic data processing centers and similar business use areas with a higher density of occupants than would normally be expected in a typical business occupancy environment. Where approved by the building official, the occupant load for concentrated business use areas shall be the actual occupant load, but not less than one occupant per 50 square feet (4.65 m²) of gross occupiable floor space.

1006.3.2 Egress based on occupant load. Each story and occupied roof shall have the minimum number of separate and distinct exits, or access to exits, as specified in Table 1006.3.2. A single exit or access to a single exit shall be permitted in accordance with Section 1006.3.3. The required number of exits, or exit access stairways or ramps providing access to exits, from any story or occupied roof shall be maintained until arrival at the exit discharge or a public way.

1108.2.3 Companion seats. At least one companion seat shall be provided for each wheelchair space required by Sections 1108.2.2.1 through 1108.2.2.3.

					PREPARE BY:	EGRESS PLAN			SCALE
					SUNLAND AND ASSOCIATES LLC. CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING • STRUCTURAL DESIGN 2169 Swanson Avenue, Suite 10 Phone (928) 328-8799 Lake Havasu City, Az. 86403 maggie@sunlandengineering.net hugo@sunlandengineering.net				CLIENT:
						DESIGNED BY:	DRAWN BY:	CHECKED BY:	SHEET 12 OF 17
						H.A.	SRT	JTS	SHEET NUMBER A-6.0
REV.	DESCRIPTION			DATE	BY				