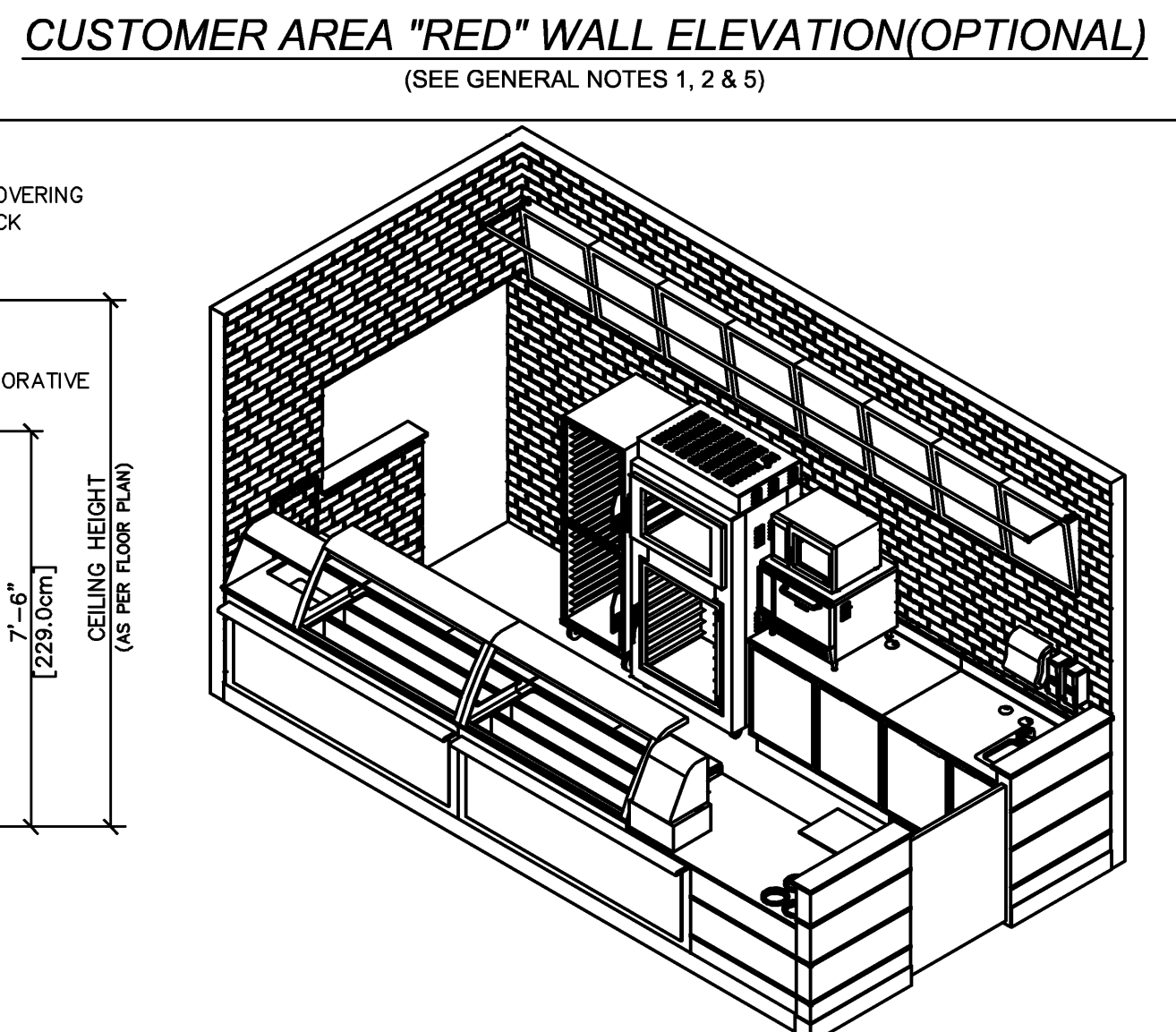
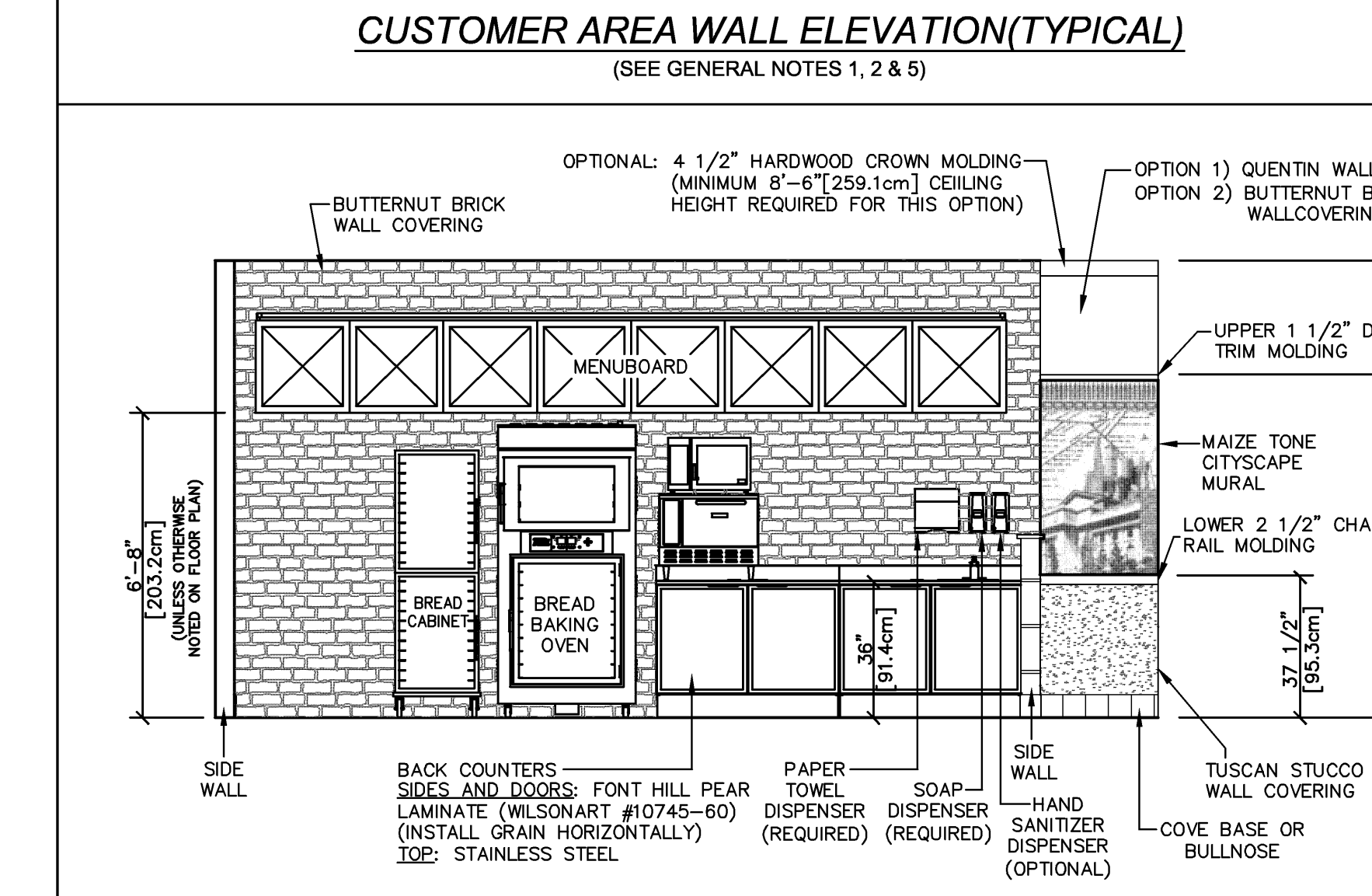


**VERTICAL WALL ART NOTES:**

- EIGHT DIFFERENT PRINTS AVAILABLE (SHOWN LEFT), CAN BE ORDERED INDIVIDUALLY OR IN SETS.
- GRAPHICS PRINTED ONTO STYRENE FACED FOAM BOARD.
- BLACK ALUMINUM FRAME.
- MOUNTED TO WALL USING HANGING/SECURITY HARDWARE (SUPPLIED WITH EACH WALL ART PIECE).
- DIM. 22 3/4"W x 49 3/4"H x 1" DEEP.
- HUNG ON WALL BETWEEN UPPER AND LOWER CHAIR RAIL MOLDING. TYPICAL MOUNTING SHOWN BELOW. REFER TO FLOOR PLAN FOR EXACT PLACEMENT.

NOTE: CAN NOT BE USED ABOVE BANQUETTE WALL BENCH SEATING.



**WALL ART - SQUARE**

NOTE: EIGHT DIFFERENT PRINTS AVAILABLE (SHOWN ABOVE). CAN BE ORDERED INDIVIDUALLY OR IN SETS.

- COLOR PHOTOGRAPHS DOUBLE MATTED.
- BLACK WOODEN FRAME WITH PLEXIGLAS.
- MOUNTED TO WALL USING HANGING/SECURITY HARDWARE (SUPPLIED WITH EACH WALL ART PIECE).
- DIM. 26"W x 26"H x 1" DEEP
- RED WALL COVERING: HUNG ON THE WALL BETWEEN UPPER MOLDING AND THE CEILING. REFER TO FLOOR PLAN FOR EXACT PLACEMENT.
- CITYSCAPE MURAL: HUNG ON THE WALL BETWEEN UPPER AND LOWER CHAIR RAIL MOLDING. REFER TO FLOOR PLAN FOR EXACT PLACEMENT.
- MOUNTED FROM 13" [33cm] - 15" [38.1cm] FROM THE TOP OF THE CHAIR RAIL MOLDING TO THE BOTTOM OF THE FRAMED PRINT.

**WALL ART - VERTICAL**

UPPER DECORATIVE TRIM 12" [30.5cm] TYPICAL

WALL PLANT MOUNTING BRACKET TO BE MOUNTED 15" [38.1cm] BELOW THE TOP OF THE UPPER DECORATIVE TRIM. TYPICAL

6" (MINIMUM) [152.9cm]

WALL ART PRINT

WALL ART PRINT

WALL ART PRINT

CITYSCAPE MURAL

LOWER CHAIR RAIL MOLDING

GROUPS OF THREE PRINTS

6" (MINIMUM) [152.9cm]

WALL PLANT MOUNTING BRACKET TO BE MOUNTED 15" [38.1cm] BELOW THE TOP OF THE UPPER DECORATIVE TRIM. TYPICAL

WALL ART PRINT

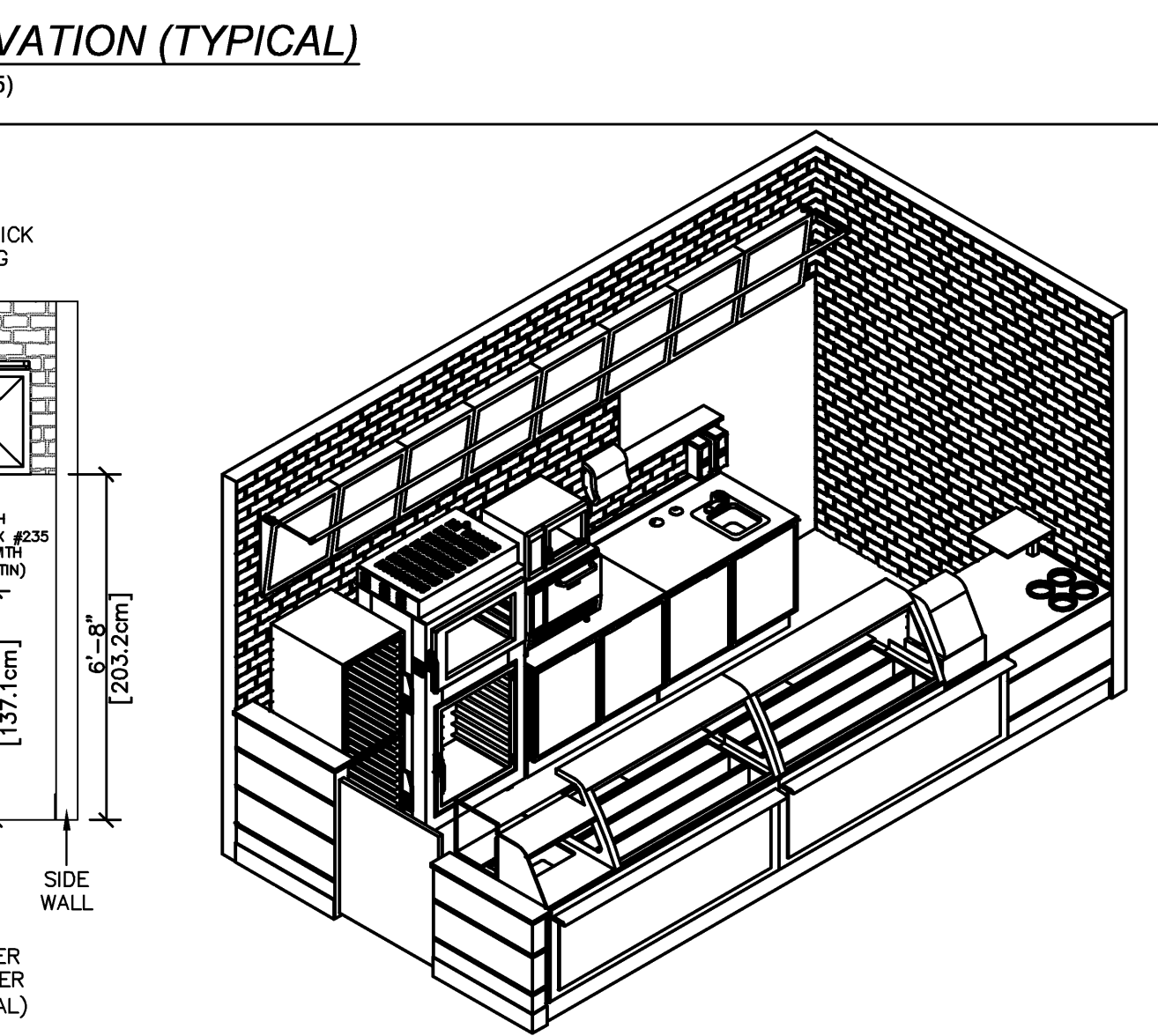
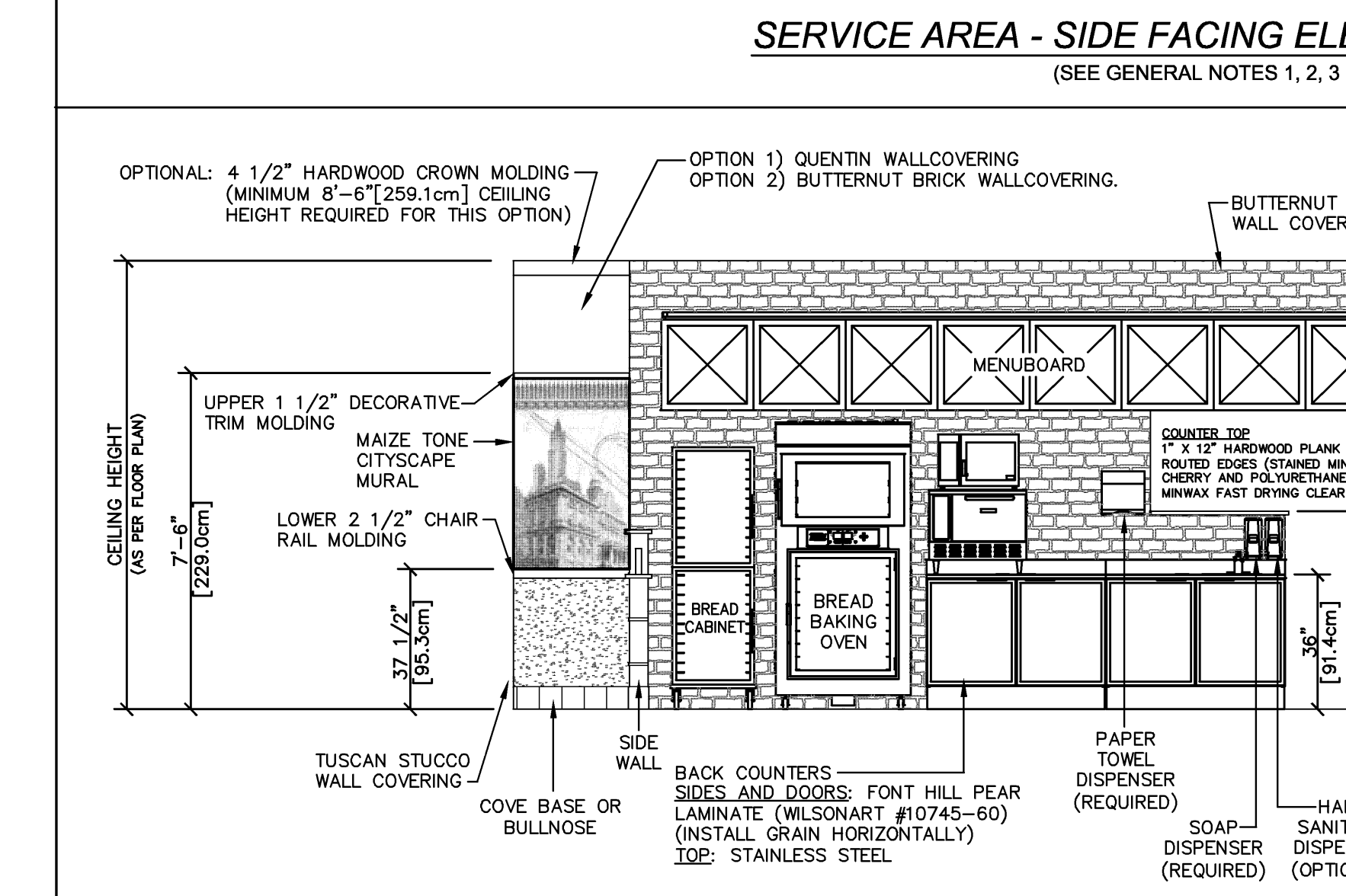
WALL ART PRINT

WALL ART PRINT

CITYSCAPE MURAL

LOWER CHAIR RAIL MOLDING

GROUPS OF TWO PRINTS



**MOLDINGS (OPTIONAL)**

SUPPLIER - CHICAGO METALLIC FINISH - COPPER

3 1/2" PROJECTION CONVEX FACE #63.40.035

2 7/8"

3 1/2"

4 1/2"

HARDWOOD CROWN MOLDING

COPPER CORNICE TRIM

**MOLDINGS (REQUIRED)**

SUPPLIER - HOUSE OF FARA

TYPE - HARDWOOD

FINISH - STAINED MINWAX #235 CHERRY AND POLYURETHANED WITH MINWAX FAST DRYING CLEAR SATIN.

3/4"

2 1/2"

3/4"

1 1/2"

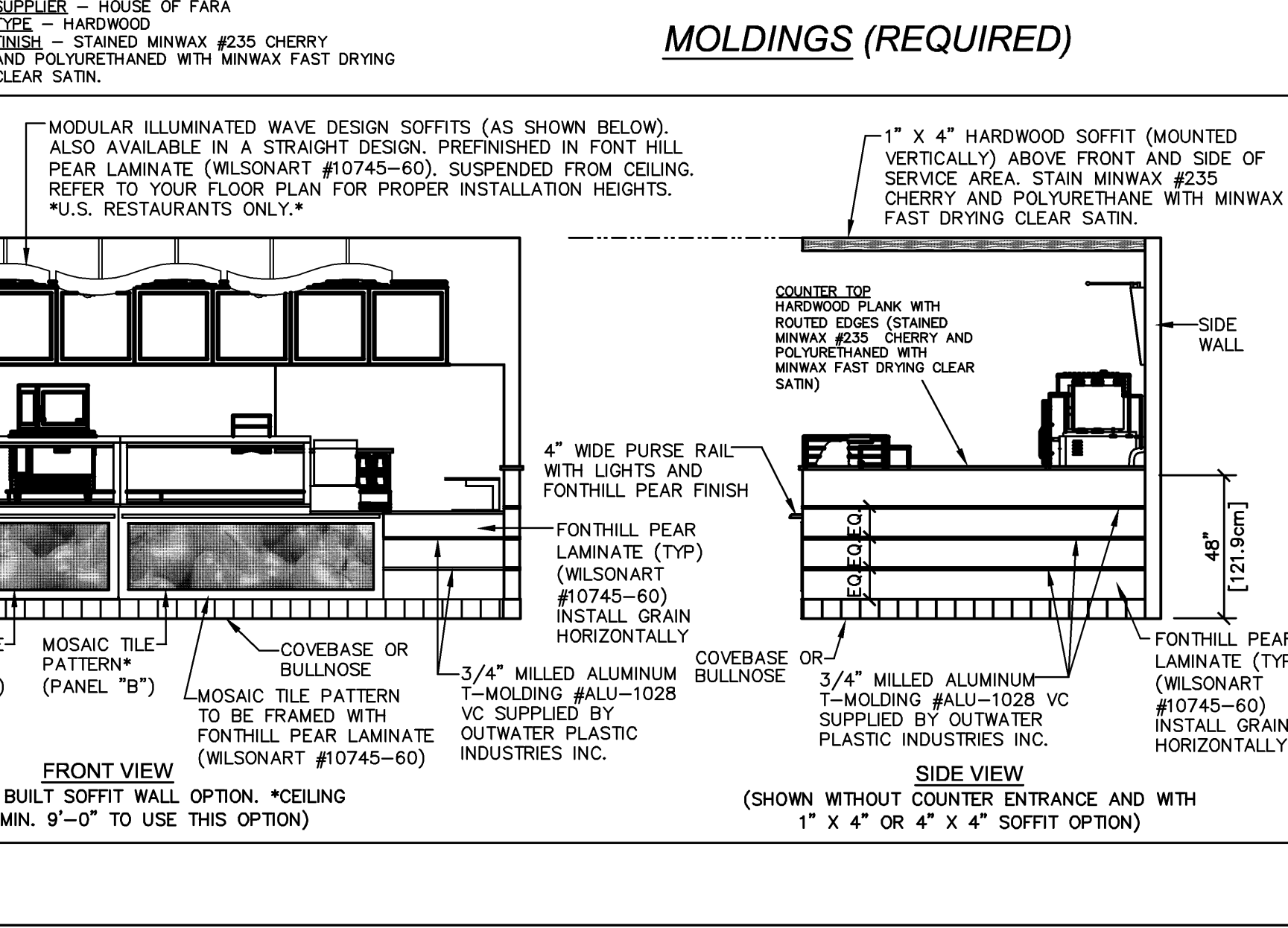
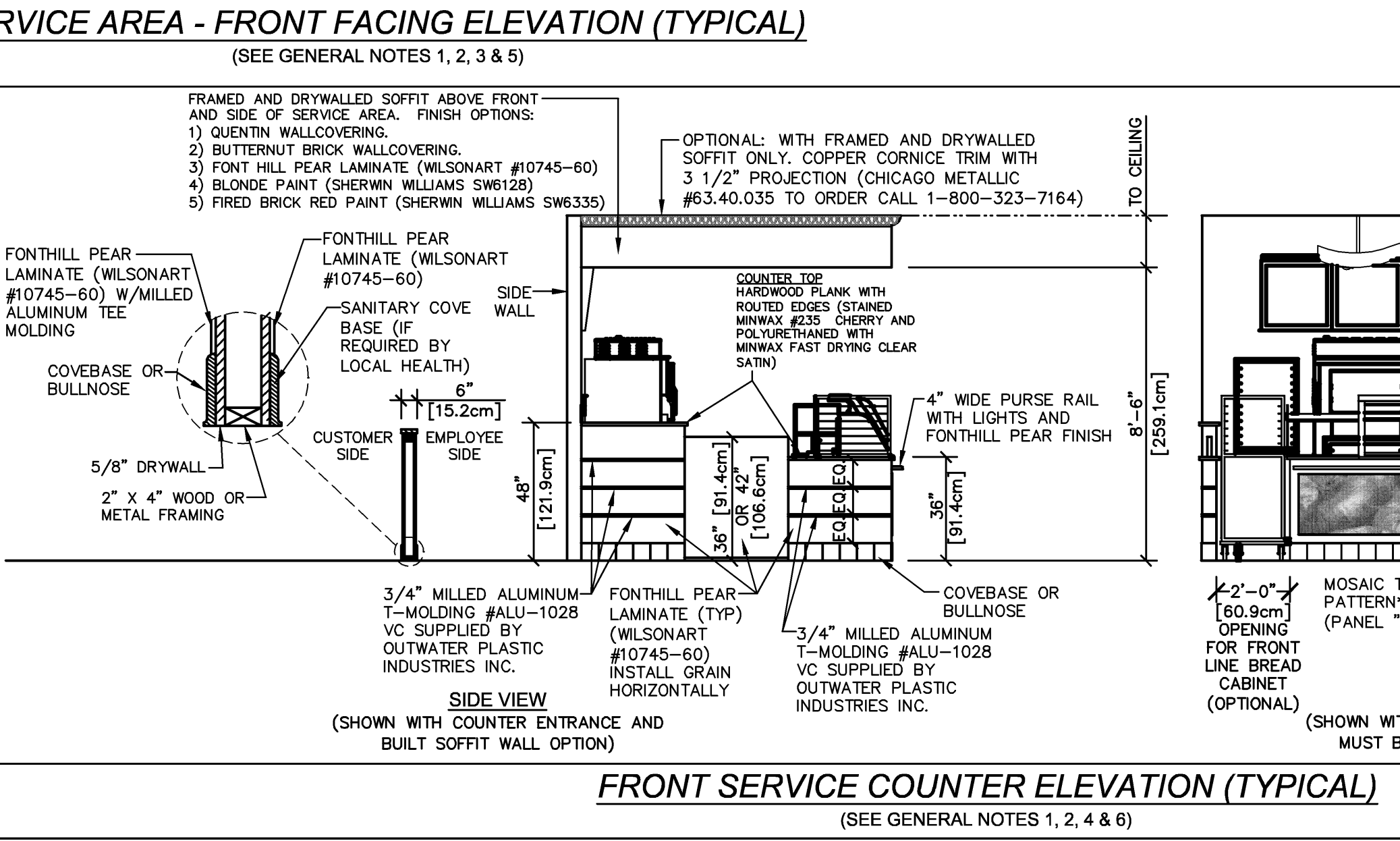
LOWER CHAIR RAIL MOLDING

UPPER DECORATIVE TRIM MOLDING

**COUNTER ENTRANCE FINISH OPTIONS:**

OPTION #1 (PREFERRED) PREFINISHED & PREFRAMED COUNTER ENTRANCE GATE AVAILABLE THROUGH PLYWOOD AND DUKE MANUFACTURING.

OPTION #2 GLUE TOGETHER 2 PIECES OF 5/8" PARTICLE BOARD AND FINISH WITH WILSONART #10745-60 FONTHILL PEAR LAMINATE. EDGE WITH 1 1/2" HARDWOOD MOLDING (STAINED WITH MINWAX #235 CHERRY AND POLYURETHANED WITH MINWAX FAST DRYING CLEAR SATIN). SECURE WITH HEAVY DUTY HINGES AND INSTALL A BAR LATCH ON THE EMPLOYEE SIDE.



**FIRE RATINGS**

	DRYWALL	UNBONDED	WOOD PARTICLE BOARD
SINGLO CITYSCAPE MURAL			
FLAME SPREAD INDEX	10		
FUEL CONTRIBUTED VALUE	0		
SMOKE DEVELOPED VALUE	5		
SINGLO TUSCAN STUCCO WALL COVERING			
FLAME SPREAD INDEX	15		
FUEL CONTRIBUTED VALUE	0		
SMOKE DEVELOPED VALUE	10		
SINGLO BUTTERNUT BRICK WALL COVERING			
FLAME SPREAD INDEX	15		
FUEL CONTRIBUTED VALUE	5		
SMOKE DEVELOPED VALUE	20		
SINGLO QUENTIN WALL COVERING			
FLAME SPREAD INDEX	10		
FUEL CONTRIBUTED VALUE	0		
SMOKE DEVELOPED VALUE	5		
SINGLO RED WALL COVERING			
FLAME SPREAD INDEX	15		
FUEL CONTRIBUTED VALUE	0		
SMOKE DEVELOPED VALUE	20		
WILSONART LAMINATE (G.P.)			
FLAME SPREAD INDEX	55	TYPE 102	TYPE 335
FUEL CONTRIBUTED VALUE	0	0	0
SMOKE DEVELOPED VALUE	30	95	135-105
MARITIME FIBERGLASS REINFORCED PANELS			
FLAME SPREAD INDEX	200		
FUEL CONTRIBUTED VALUE	0		
SMOKE DEVELOPED VALUE	450		
VACUFORM MOSAIC TILE:			
PHYSICAL PROPERTY	TEST METHOD	UNITS	TYPICAL VALUES
HEAT DEFLECTION TEMP (ANNEALED) @264 PSI STRESS	ASTM D-648	DEGREES F	155
FLAMMABILITY RATING UNDERWRITERS LAB	UL 94 V-0		PASSES
FIRE AND EXPLOSION HAZARD DATA	FLASH POINT: 425 °F, 218 °C (COOL) IGNITION TEMPERATURE: NO DATA FLAMMABLE LIMITS: 5/10 (L)		

STORE MUST BE CONSTRUCTED AS DESIGNED IN THESE FLOOR PLANS SUBJECT TO FEDERAL, STATE AND LOCAL LAWS. RECIPIENT IS RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL LAWS. IF MODIFICATIONS ARE NECESSARY, PLEASE CONTACT THE FWH STORE DESIGN DEPARTMENT FOR WRITTEN APPROVAL OF THE REQUIRED CHANGES.

THIS DRAWING IS FURNISHED BY FWH ON BEHALF OF SUBWAY STORE ASSOCIATES INC. (D/PTA/D/BA. SUBWAY RECIPIENT MUST DETERMINE IF THIS DRAWING MUST BE SUBMITTED TO A LICENSED ARCHITECT OR SIMILAR PROFESSIONAL UNDER FEDERAL, STATE OR LOCAL LAWS. ANY CHANGES MUST BE APPROVED BY DAI.

DO NOT SCALE DRAWING. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DIMENSIONS SHALL BE VERIFIED BY THE FIELD BY THE GENERAL CONTRACTOR AND/OR FRANCHISEE/OWNER. ANY DISCREPANCY IN DIMENSIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF DATA AREA DEVELOPMENT AGENT OR DESIGNATED FIELD REPRESENTATIVE.

THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR SHALL MAKE HIS OWN INSPECTIONS AND MEASUREMENTS. FWH AND DAI SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF DIMENSIONS AND FOR ERRORS AND OMISSIONS IN THE DRAWINGS IF WRITTEN CONFIRMATION HAD NOT BEEN RECEIVED BY THE FWH STORE DESIGN DEPARTMENT.

THIS DRAWING AND THE INFORMATIONAL CONTENT HEREOF IS THE CONFIDENTIAL PROPERTY OF AND IS PROVIDED SOLELY FOR THE USE OF AUTHORIZED FRANCHISEES, THEIR AGENTS AND CONTRACTORS. RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DRAWING AND/OR ITS INFORMATIONAL CONTENT IN WHOLE OR IN PART, OR TO ALLOW SUCH TO BE REPRODUCED OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DAI OR FWH. ACTING AS AGENT OF DAI. RECIPIENT FURTHER AGREES TO SURRENDER THIS DRAWING AND ANY REPRODUCED COPIES HEREOF UPON DEMAND.

**WORLD HEADQUARTERS**  
203 877-4281  
(800) 888-4848

**TUSCANY II DECOR BACK-UP SHEET**  
325 BIC DRIVE  
MILFORD, CT 06461

REVISION:	BY	DATE
54" SLICING PIT WALL & ADDED SOAP DISPENSERS	PMR	11/20/08
RED WALLCOVERING MOUNTING	PMR	3/4/09
ADDED MODULAR SOFFITS	PMR	11/18/09
SQUARE WALL ART NOTES	PMR	11/18/09
SQUARE WALL ART NOTES "REVISED"	PMR	3/22/10

DATE: 10-31-08

DESIGNED BY: PATRICK ROSE

DRAWN BY: PMR

REVIEWED BY: PMR

SCALE: NOT TO SCALE

SHEET #: 1 of 4

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## TUSCANY II DECOR CALCULATIONS

NOTE: THE SUBWAY STORE DESIGN DEPARTMENT WILL NOT ACCEPT RESPONSIBILITY FOR ANY INACCURACIES. THE CALCULATIONS PROVIDED BELOW MUST BE VERIFIED BY THE G.C. AND FRANCHISE OWNER BEFORE ANY ORDER FOR THESE MATERIALS IS ACCEPTED AND PLACED.

QUANTITIES	CALCULATION WORKSHEET
<b>CUSTOMER AREA</b>	
1) 229 YARDS CITYSCAPE MURAL	1) Q/M/TS OR B/M/TS + S/M + 10% DIVIDED BY 3.
2) 238 YARDS OF TUSCAN STUCCO WALL COVERING	2) Q/M/TS OR B/M/TS + T/S + R/TS 10% DIVIDED BY 3
3) 884 FEET OF UPPER DECORATIVE MOLDING	3) Q/M/TS OR B/M/TS + S/M + 10%
4) 882 FEET OF LOWER CHAIR RAIL MOLDING	4) Q/M/TS OR B/M/TS + T/S + R/TS 10%
5) (-) YARDS OF QUENTIN WALL COVERING (NON-TEARABLE) ABOVE CITYSCAPE MURAL AND SOFFIT.	5) CEILING HEIGHT - 7'-6" X (Q/M/TS + S/M + (Q/W/C CUSTOMER AREA & SOFFIT ONLY)) + 5% DIVIDED BY 12
6) 20 YARDS OF BUTTERNUT BRICK WALL COVERING ABOVE CITYSCAPE MURAL AND SOFFIT.	6) CEILING HEIGHT - 7'-6" X (B/M/TS + S/M + (B/T IN CUSTOMER AREA & SOFFIT ONLY)) + 5% DIVIDED BY 12
7) 136 FEET OF HARDWOOD CROWN MOLDING (AT CORNER WHERE WALL AND CEILING MEET)	7) Q/M/TS OR B/M/TS + S/M + R/TS (+ W/TS IF WINDOWS NOT TO CEILING) + 10%
8) 80 FEET OF HARDWOOD CROWN MOLDING (FINISH CAP ON STRIP LIGHTING SHELF)	8) TOTAL LENGTH OF WALLS WHERE FLUORESCENT STRIP LIGHTING TO BE INSTALLED + 10%
9) 16 YARDS OF RED WALL COVERING	9) HEIGHT FROM TOP OF TUSCAN STUCCO WALL COVERING TO CEILING (36" AFF) X R/TS + 5% DIVIDED BY 12
10) (-) YARDS OF QUENTIN WALLCOVERING (WITH TEAR COATING)	10) Q/W/C + 10% DIVIDED BY 3. (CUSTOMER AREA ONLY)
<b>SERVICE AREA</b>	
11) 2 4' X 12' SHEETS FONT-HILL PEAR LAMINATE IF PERMITTED BY HEALTH/BUILDING CODE.	11) FP/L + 5% DIVIDED BY 12
12) 4 4' X 12' T-MOLDING STRIPS	12) FP/L ON 36" HIGH WALLS X 2) + (FP/L ON 48" HIGH WALLS X 3) + 5% DIVIDED BY 12
13) 4 YARDS OF BUTTERNUT BRICK TEXTURED WALL COVERING (WALLS ONLY)	13) CEILING HEIGHT X B/T + 5% DIVIDED BY 12
14) 4 YARDS OF QUENTIN WALL COVERING (WITH TEAR COATING) (WALLS ONLY)	14) CEILING HEIGHT X Q/W/C + 5% DIVIDED BY 12
15) 1 RIGHT (1) LEFT VEGETABLE MOSAIC TILE	15) TOTAL LENGTH OF CUSTOMER SIDE OF HEADERWALL(S) OVER SERVICE AREA + 5%
16) 4 4' X 12' SHEETS OF COPPER CORNICE TRIM (OPTIONAL; FOR SOFFIT APPLICATION)	
17) 5 4' X 12' SHEETS FONT-HILL PEAR LAMINATE (OPTIONAL; FOR SOFFIT APPLICATION)	
<b>BACKROOM</b>	
18) 14 MARLITE F.R.P. WHITE (ALMOND OPTIONAL)	18) W/R + 5% DIVIDED BY 4
19) 13 PVC DIVISION MOLDING	19) PANEL COUNT FROM #18 LESS 1
20) 6 PVC INSIDE CORNER	20) COUNT ALL INSIDE CORNERS WHERE W/R MEET
21) 2 PVC OUTSIDE CORNER	21) COUNT ALL OUTSIDE CORNERS WHERE W/R MEET
22) 6 PVC CAP MOLDING	22) COUNT ALL EDGES WHERE W/R BEGINS & ENDS & DOORWAYS.

\* CALCULATIONS ARE FOR FONT-HILL PEAR LAMINATE AND ALUMINUM T-MOLDING APPLIED TO 36" AND 48" HIGH WALLS. LAMINATE AND T-MOLDING, WHEN AFFIXED DIRECTLY TO DUKE FRONT COUNTER, IS SHIPPED READY TO INSTALL BY DUKE MANUFACTURING.

NOTE: THESE CALCULATIONS DO NOT INCLUDE THE MATERIALS NEEDED TO DECOR THE AREA ABOVE OR BELOW THE WINDOWS.

### WALL FINISH LEGEND (TUSCANY II DECOR)

\*SEE TUSCANY II BACK-UP SHEET 1 OF 4 AND 2 OF 4 FOR PROPER INSTALLATION OF WALLFINISHES IN CUSTOMER AND SERVICE AREAS. (SEE TUSCANY SUPPLEMENTAL TILE BACK-UP SHEET WHEN APPLICABLE)

SYMBOL	DESCRIPTION	MANUFACTURER/SUPPLY	INST.	NOTES
(B)	BUTTERNUT BRICK WALLCOVERING	SINGL FABRICS	D.A.I.	G.C. VINYL WALLCOVERING
(S)	SUBWAY MURAL WALL COVERING	SINGL FABRICS	D.A.I.	G.C. VINYL WALLCOVERING WITH UPPER DECORATIVE TRIM MOLDING AS REQUIRED
(T)	TUSCAN STUCCO WALLCOVERING	SINGL FABRICS	D.A.I.	G.C. VINYL WALLCOVERING WITH LOWER CHAIR RAIL MOLDING AS REQUIRED
(B)	BUTTERNUT BRICK WALLCOVERING	SINGL FABRICS	D.A.I.	G.C. VINYL WALLCOVERING
(W)	WINDOW FRAME		G.C.	G.C. PAINT SHERWIN WILLIAMS #S6356 COPPER MOUNTAIN (WITH CITYSCAPE MURAL & UPPER DECORATIVE TRIM MOLDING AS REQUIRED)
(S)	TUSCAN STUCCO WALLCOVERING	SINGL FABRICS	D.A.I.	G.C. VINYL WALLCOVERING WITH LOWER CHAIR RAIL MOLDING AS REQUIRED
(R)	RED WALL COVERING	SINGL FABRICS	D.A.I.	G.C. VINYL WALLCOVERING
(T)	TUSCAN STUCCO WALLCOVERING	SINGL FABRICS	D.A.I.	G.C. VINYL WALLCOVERING WITH LOWER CHAIR RAIL MOLDING
(F)	CABINET/WALL LAMINATE	WILSONART	G.C.	G.C. FONT-HILL PEAR (#10745-60) - INSTALL GRAIN HORIZONTALLY
(M)	MOSAIC TILE (RIGHT)	VACUFORM/WILSONART	D.A.I.	G.C. GRAPHIC IMAGES (SEE TUSCANY II BACK-UP SHEET FOR DETAILS AND OPTIONS) WITH WILSONART #10745-60 FONT-HILL PEAR BORDER AND 4" LIGHTED PURSE RAIL
(M)	MOSAIC TILE (LEFT)	VACUFORM/WILSONART	D.A.I.	G.C. GRAPHIC IMAGES (SEE TUSCANY II BACK-UP SHEET FOR DETAILS AND OPTIONS) WITH WILSONART #10745-60 FONT-HILL PEAR BORDER AND 4" LIGHTED PURSE RAIL
(P)	WALL CAPS	G.C.	G.C.	G.C. HARDWOOD PLANK (STAINED) MINWAX #235 CHERRY AND POLYURETHANE W/ MINWAX FAST DRYING CLEAR SATIN
(P)	FRP OR PAINTED WALLS	MARLITE/GC	DAI/GC	G.C. WHITE FRP PANELS OR OFF-WHITE SEMI-GLOSS PAINT
(R)	FIBERGLASS REINFORCED POLYESTER PANELS (FRP)	MARLITE	D.A.I.	G.C. FRP PANELS - WATER RESISTANT COVERING. WHITE OR ALMOND (ALMOND OPTION ONLY IF PERMITTED BY HEALTH/BUILDING CODE)
(T)	RESTROOM: TILED WALLS	CROSSVILLE/DAL-TILE	G.C.	G.C. OPTION 1: COLORBLOX STONE FLOOR TILE MOUNTED FLOOR TO CEILING CHOOSE 1 OR MORE OF THE FOLLOWING A153 CLAY, A154 GREEN, A156 WHEAT. OPTION 2: DAL-TILE KIES ALMOND 4 1/4" X 4 1/4" CERAMIC TILE FLOOR TO CEILING
(T)	GRIMALDI CERAMIC TILE RESTROOM/SERVICE AREAS	ASSOCIATED AC/INTERNATIONAL LIT	G.C.	G.C. 8" X 8" CERAMIC TILE. COLOR: CURRY (YELLOW), ITEM# C212005051. 8" X 8" CERAMIC TILE. COLOR: MUSGO (GREEN), ITEM# C212005051. GROUT COLOR: #17 BUTTER CREAM NON SANDED.

NOTE: ALL WOOD INTERIOR DOORS, UPPER & LOWER MOLDING & CROWN MOLDING TO BE STAINED W/ MINWAX #235 CHERRY AND POLYURETHANE W/ MINWAX FAST DRYING CLEAR SATIN.

NOTE: PREFINISHED AND PREFRAMED COUNTER ENTRANCE IS AVAILABLE THROUGH PLYMOLD OR GLUE 2 PIECES OF 5/8" PARTICLE BOARD TOGETHER. SEE TUSCANY II BACK-UP SHEET #1 FOR FINISH OPTIONS.

NOTE: F.R.P. SHOULD BE TO CEILING HEIGHT IN BACKROOM, BUT MUST BE A MINIMUM OF 8'-0" ABOVE FINISHED FLOOR. F.R.P. IN RESTROOMS MUST BE FLOOR TO CEILING.

TILE	NO.	AREA OF STORE	MANUFACTURER	SUPPLIER	INST.	SQ. FT.	DESCRIPTION
(A)		CUSTOMER AREA	CROSSVILLE	G.C.	G.C.	580	COLORBLOX STONE SERIES: 12" X 12" A156 WHEAT COLORBLOX STONE SERIES: 12" X 12" A154 GREEN COLORBLOX STONE SERIES: 12" X 12" A153 CLAY WHEN INSTALLING THE RANDOM PATTERN, THE PERCENTAGES OF THE ABOVE COLORS ARE AS FOLLOWS: WHEAT - 80% GREEN - 10% CLAY - 10%. THE GREEN AND CLAY SHOULD BE DISTRIBUTED EVENLY, BUT RANDOMLY THROUGHOUT AS NOT TO REPRESENT A NOTICEABLE PATTERN. USE DARK GREY OR DARK BROWN GROUT THROUGHOUT ENTIRE CUSTOMER AREA
(A)		PUBLIC ACCESSIBLE RESTROOM	CROSSVILLE	G.C.	G.C.	56	COLORBLOX STONE SERIES: 12" X 12" A156 WHEAT WITH DARK GREY OR DARK BROWN GROUT.
(A)		SERVICE/BACKROOM AREA	CROSSVILLE	G.C.	G.C.	440	OPTION #1: COLORBLOX STONE SERIES: 12" X 12" A156 WHEAT WITH DARK GREY OR DARK BROWN GROUT. OPTION #2: DAL-TILE KIES ALMOND 4 1/4" X 4 1/4" VINYL COMPOSITE TILE CONTINUED THROUGHOUT THE BACKROOM.
<b>WALL BASES</b> NEED WALL BASE. OPTION MUST MATCH FLOOR OPTION LISTED ABOVE IN ALL AREAS OF STORE							
		ALL AREAS	CROSSVILLE	G.C.	G.C.		6" X 12" CONV. BASE OR 4" X 12" BULLNESE. COLORBLOX STONE SERIES A156 WHEAT WITH DARK GREY OR DARK BROWN GROUT.
		SERVICE/BACKROOM AREA	ARMSTRONG	G.C.	G.C.		6" BLACK VINYL CONV. BASE. (USED WITH VINYL COMPOSITE FLOOR TILE ONLY)
<b>ADDITIONAL COMMENTS:</b> 1) FLOORING CONTRACTOR IS RESPONSIBLE FOR DOW DETERMINATIONS ON SUBFLOOR REQUIREMENTS AND TO INSTALL IN ACCORDANCE WITH CODE REQUIREMENTS AND TO INDUSTRY AND MANUFACTURER SPECIFICATIONS. 2) THE SQUARE FOOTAGE CALCULATIONS OF THE FLOORING MUST BE VERIFIED BY THE G.C. AND FRANCHISE OWNER. SUBWAY STORE DESIGN DEPARTMENT WILL NOT ACCEPT RESPONSIBILITY FOR ANY INACCURACIES. 3) BULLNESE WALL BASE IS TO BE INSTALLED ON TOP OF THE TUSCAN STUCCO WALL COVERING. 1"-3" OF TUSCAN STUCCO WALL COVERING IS RECOMMENDED TO BE COVERED TO PROVIDE A TIGHT FIT.							
<b>FLOOR TILE KEY</b>							
[Symbol] COLORBLOX SERIES: 12" X 12" A156 WHEAT							
[Symbol] COLORBLOX SERIES: 12" X 12" A154 GREEN							
[Symbol] COLORBLOX SERIES: 12" X 12" A153 CLAY							
RANDOM FLOOR TILE PLACEMENT EXAMPLE							

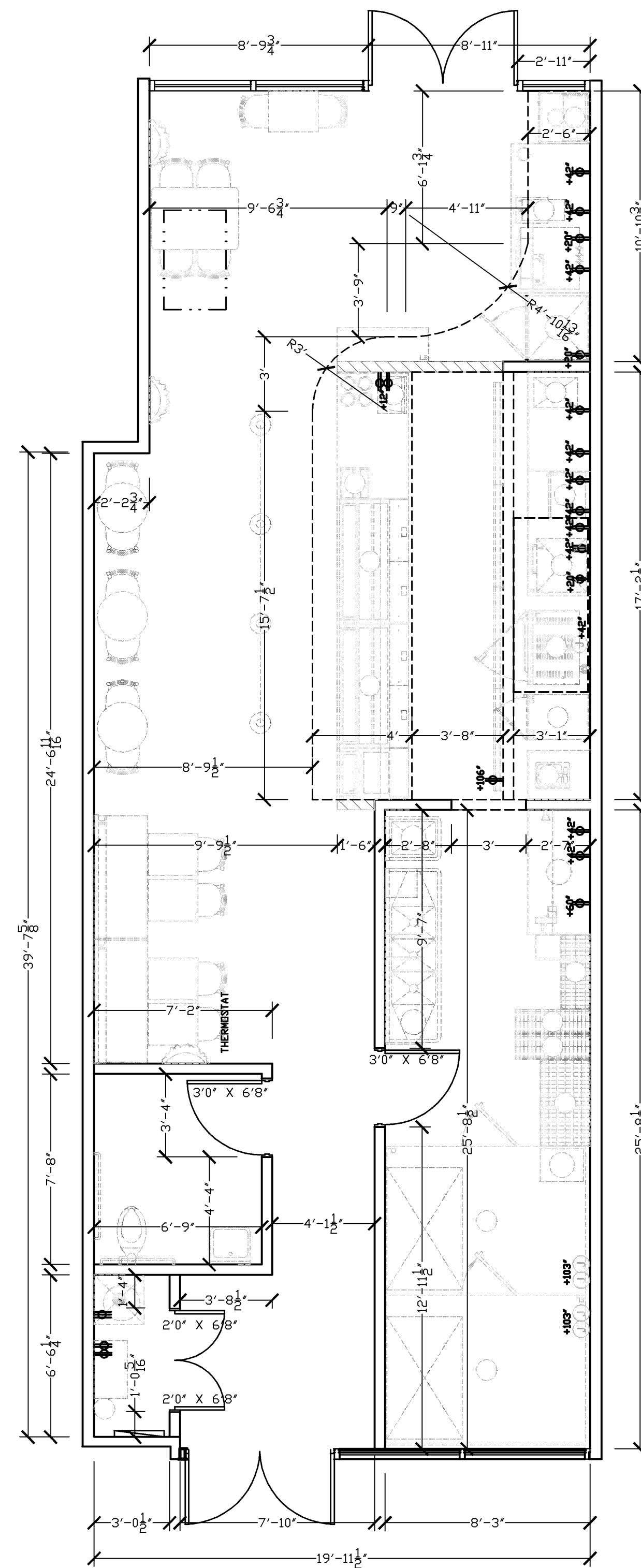
### SYMBOL LEGEND

(O)	120V DUPLEX OUTLET
(S)	220V SINGLE OUTLET
(J)	PHONE JACK
(C)	JUNCTION BOX
(T)	THERMOSTAT
(E)	ELECTRIC PANEL
(F.M.)	FLOOR MOUNTED
(C.M.)	CEILING MOUNTED
(D)	FLOOR DRAIN
(S)	FLOOR SINK

## RELOCATION

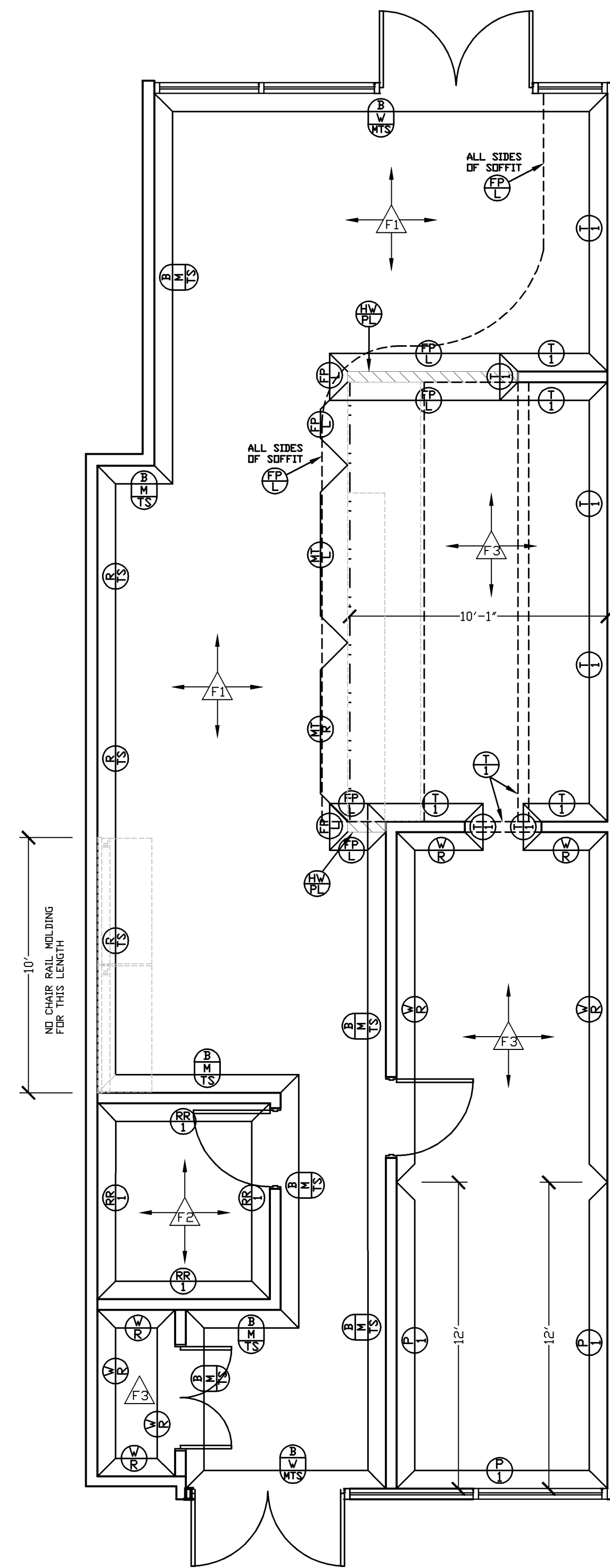
### GENERAL NOTES:

- CEILING HEIGHT IS 10'-0"
- ELECTRICAL OUTLET HEIGHTS MEASURED TO BOTTOM OF BOX.
- ONE ELECTRICAL JUNCTION BOX TO BE LOCATED IN CEILING ABOVE EACH WINDOW.
- COND. MODEL SW-3 PLUS WATER FILTRATION SYSTEM IS REQUIRED IN ALL NEW STORES THAT DISPENSE BEVERAGES. THE RECOMMENDED PLACEMENT FOR INSTALLATION IS MOUNTED TO SODA SYRUP RACK BY COCA-COLA. SECONDARY PLACEMENT OPTION IS MOUNTED ON THE BACKROOM WALL. THIRD INSTALLATION OPTION IS MOUNTING INSIDE THE FRONT BEVERAGE COUNTER WHEN SPACE LIMITATIONS OCCUR. REQUIRED: 1/2" INCOMING WATER LINE FEED WITH 1/2" BALL VALVE SHUTOFF AND 1/2" FPT CONNECTION. MINIMUM 110 VOLT, 20 AMP ELECTRICAL SERVICE TO SUPPORT THE CARBONATOR AND WATER BOOSTER (MUST BE DEDICATED CIRCUIT).
- SMARTCURVE STAND (MFR. DISPLAY-BOX) REQUIRED IN CUSTOMER AREA AT POINT OF ORDER (PREFERRED PLACEMENT).
- 21 3/4" X 13 1/8" BASE, 56" (WITHOUT HEADER) OVERALL HEIGHT.
- SECONDARY CHIP RACK IS REQUIRED IN THE CUSTOMER AREA. THE TWO AVAILABLE OPTIONS ARE: BASKET STYLE CHIP RACK AT THE POINT OF ORDER (PREFERRED PLACEMENT) OR PURSE RAIL MOUNTED CHIP RACK (MOUNTED ON TOP OF THE PURSE RAIL).
- EXIT LIGHTS INSTALLED BY G.C. PER LOCAL CODE.
- EMERGENCY LIGHTS INSTALLED BY G.C. PER LOCAL CODE.
- EXTINGUISHERS, SMOKE AND FIRE DETECTION SYSTEMS INSTALLED BY G.C. PER LOCAL CODE.
- LABOR & MATERIAL SUPPLIED BY G.C. UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS TO BE VERIFIED BY G.C. ON SITE.
- DECOR SPECIFICATIONS ARE TO BE SUBWAY'S 'TUSCANY II' SCHEME.
- REFRIGERATOR AND FREEZER MUST BE ADEQUATELY VENTILATED. REFER TO MANUFACTURER FOR DETAILS.



## 3 ELECTRIC AND DIMENSION PLAN

SCALE: 1/4" = 1'



## 4 FLOOR AND WALL FINISH PLAN

SCALE: 1/4" = 1'

REVISION: BY DATE

STORE MUST BE CONSTRUCTED AS DESIGNED IN THESE FLOOR PLANS SUBJECT TO FEDERAL, STATE AND LOCAL LAWS. RECIPIENT IS RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL LAWS. IF MODIFICATIONS ARE NECESSARY, PLEASE CONTACT DATA STORE DESIGN DEPARTMENT FOR WRITTEN APPROVAL OF THE REQUIRED CHANGES.

THIS DRAWING IS FURNISHED BY DOCTORS ASSOCIATES INC. (DAI) DBA SUBWAY. RECIPIENT MUST DETERMINE IF THIS DRAWING MUST BE SUBMITTED TO A LICENSED ARCHITECT OR SIMILAR PROFESSIONAL UNDER FEDERAL, STATE OR LOCAL LAW. ANY CHANGES MUST BE APPROVED BY DAI.

DO NOT SCALE DRAWING. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR AND/OR FRANCHISEE/OWNER. ANY DISCREPANCY IN DIMENSIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF DAI'S AREA DEVELOPMENT AGENT OR DESIGNATED FIELD REPRESENTATIVE.

THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR SHALL MAKE HIS OWN INSPECTIONS AND MEASUREMENTS ON AND SUBWAY SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF DIMENSIONS AND FOR ERRORS AND OMISSIONS IN THE DRAWINGS IF WRITTEN CONFIRMATION HAS NOT BEEN RECEIVED BY DAI'S STORE DESIGN DEPARTMENT.

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(800) 888-4848  
325 BIC DRIVE  
MILFORD, CT 06461

LOCATION:  
**STORE # 12710**  
8254 FIRESTONE BLVD  
DOWNEY, CA

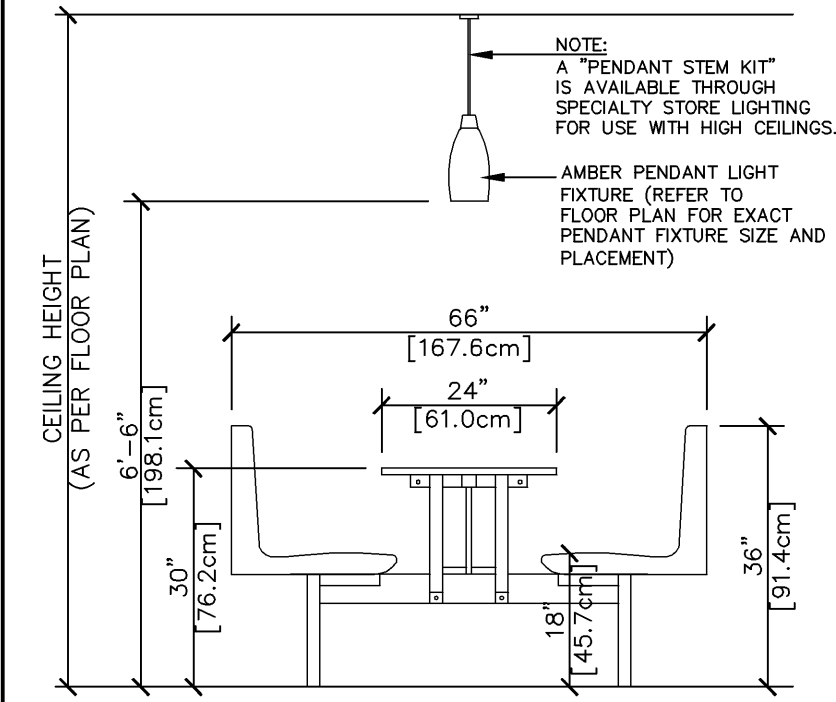
FRANCHISEE:  
**MARWAHA**  
DEVELOPMENT AGENT:  
**GREWAL**

DATE:  
JULY 12, 2011  
DESIGNED BY:  
KATHERINE MILLER  
DRAWN BY: KTM REVIEWED BY: BWB

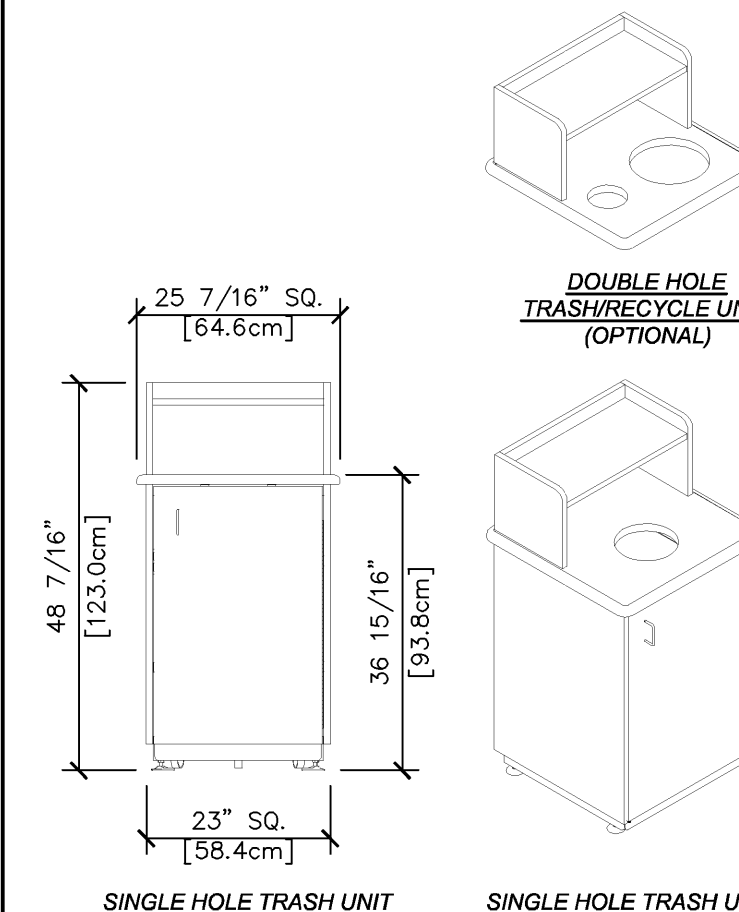
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SHEET #:  
**2 OF 2**

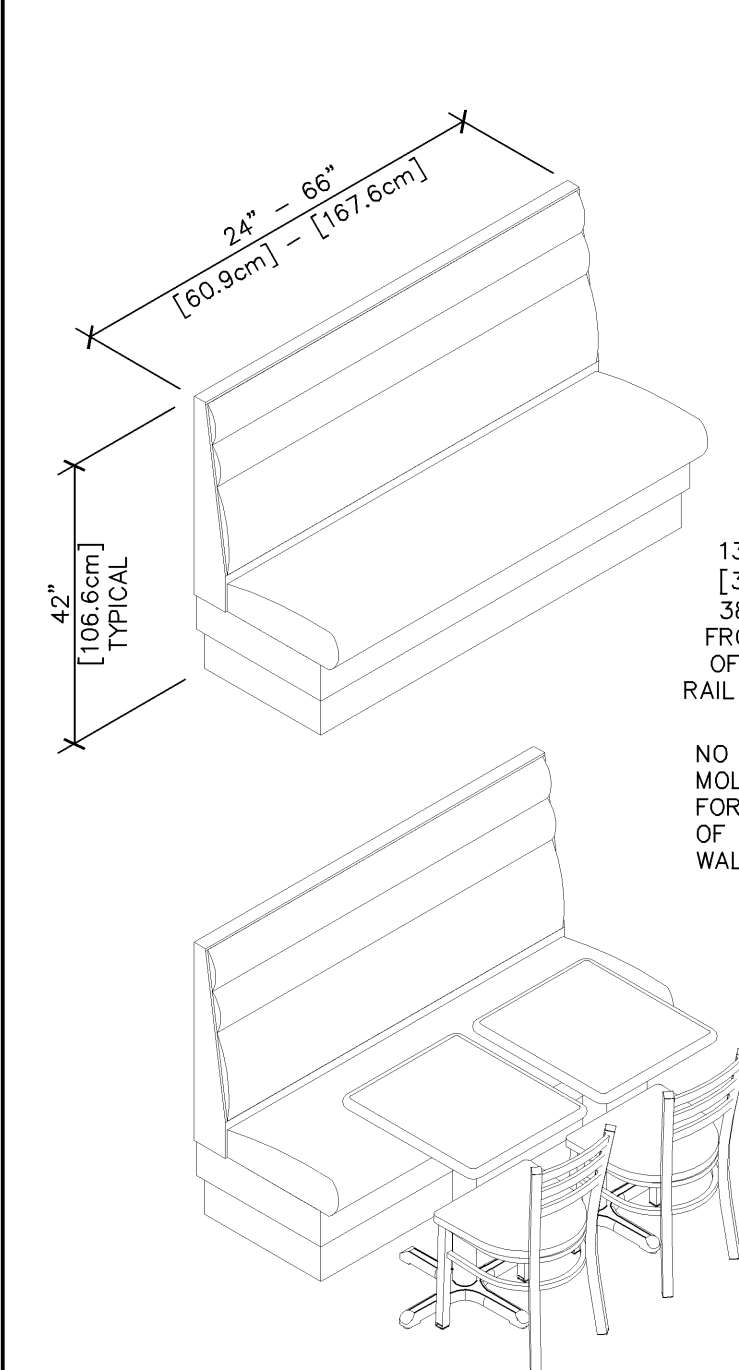
**TYPICAL PENDANT FIXTURE INSTALLATION**



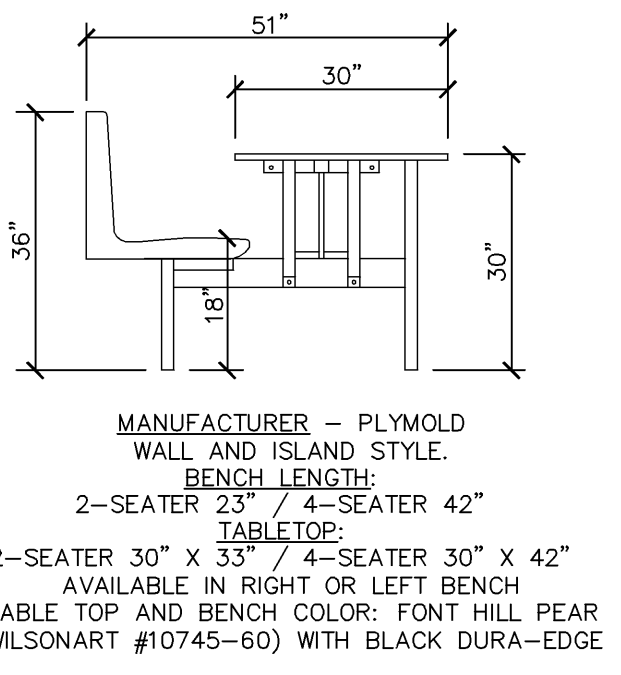
**COLORCOURT BOOTH (INCLUDING TYPICAL INSTALLATION OF PENDANT LIGHT)**



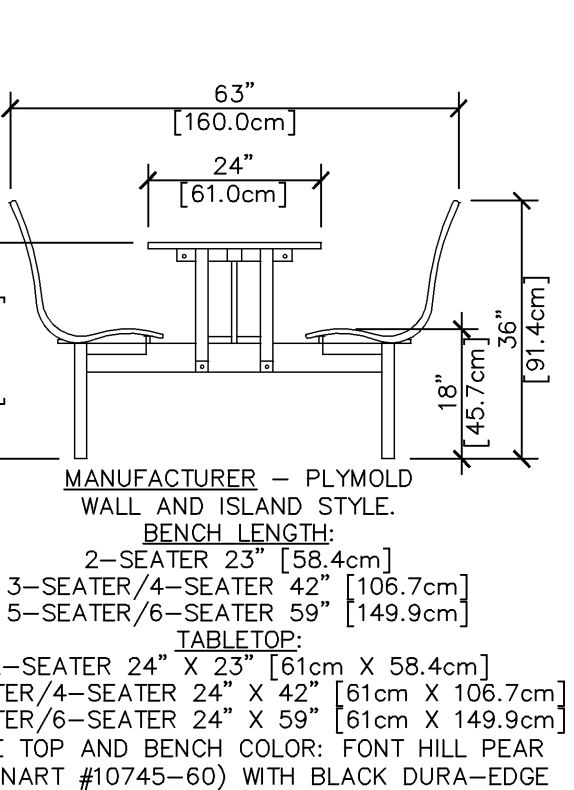
**PLYMOLD TRASH UNITS**



**NOTE:** HANDICAPPED BOOTHS MUST BE SECURED TO THE FLOOR.

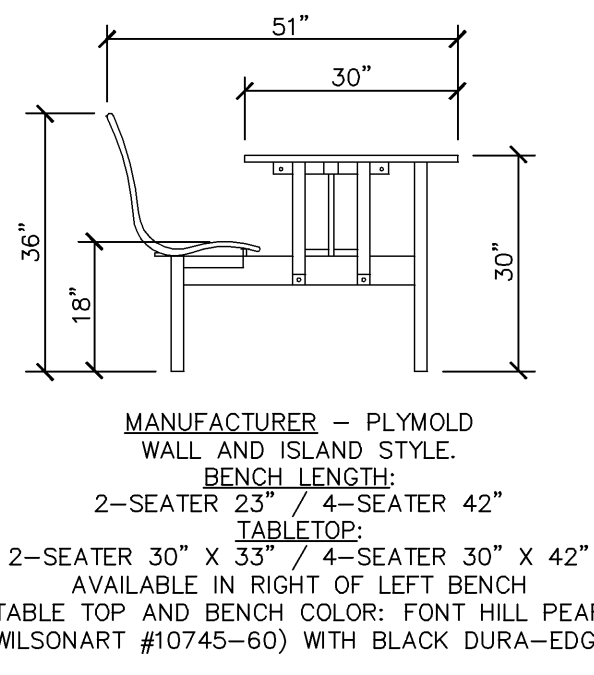


**COLORCOURT HANDICAP BOOTH**

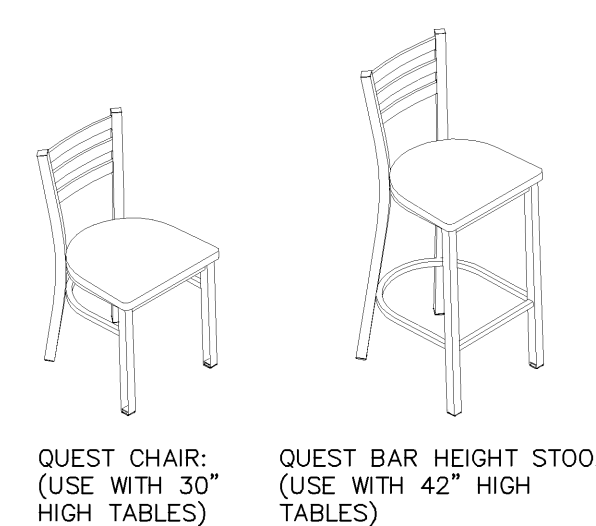


**CONTOUR BOOTH**

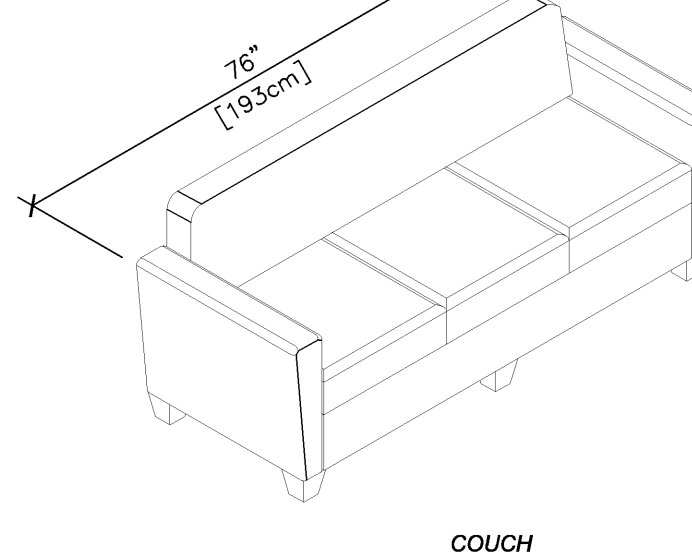
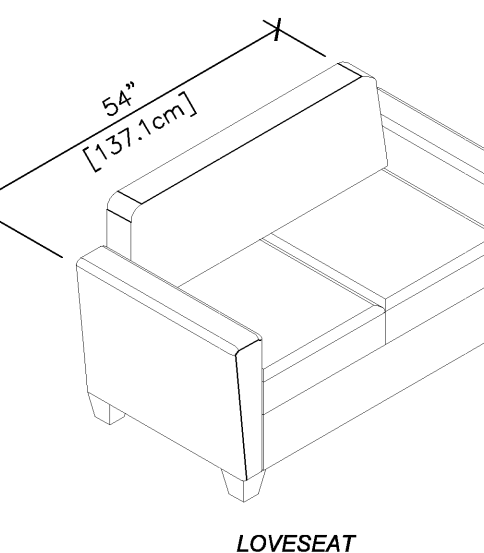
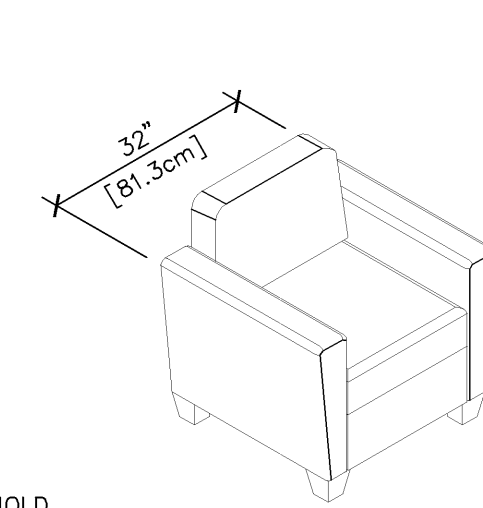
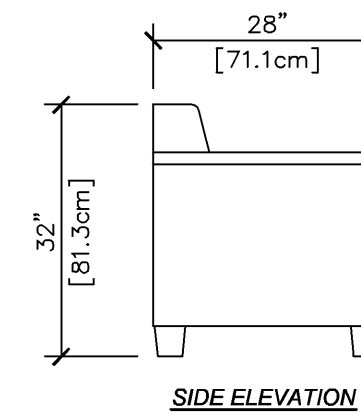
**NOTE:** HANDICAPPED BOOTHS MUST BE SECURED TO THE FLOOR.



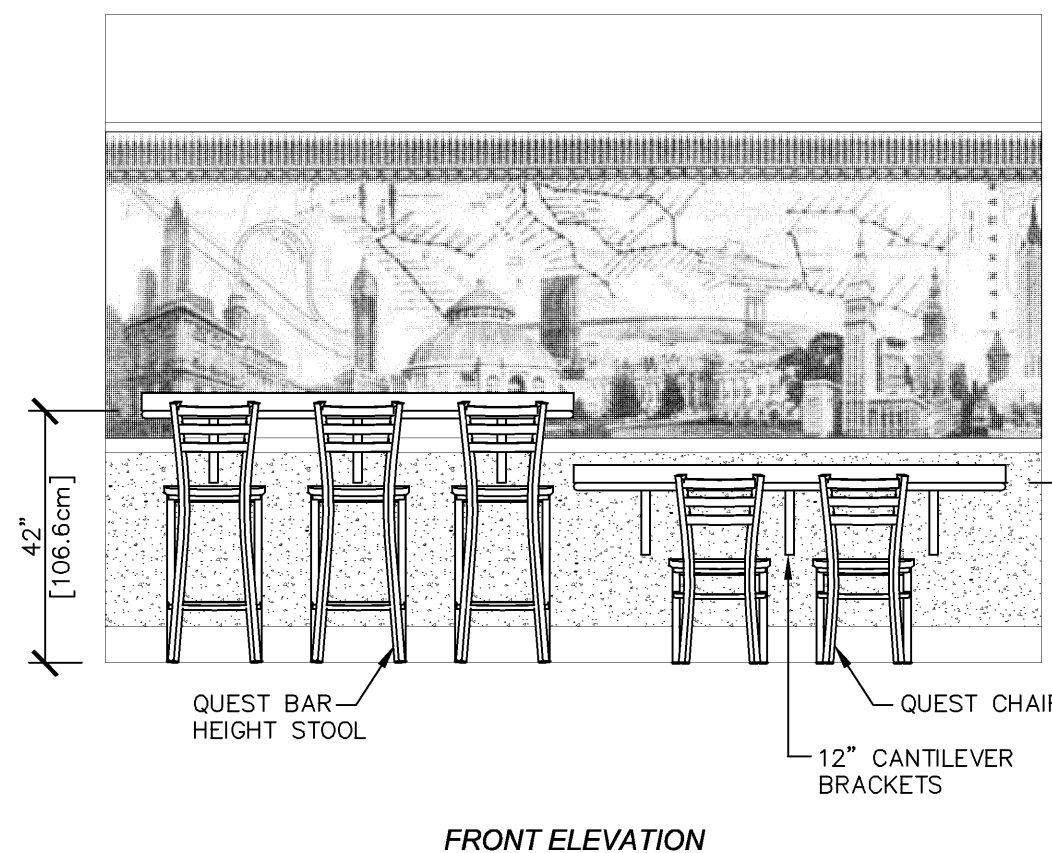
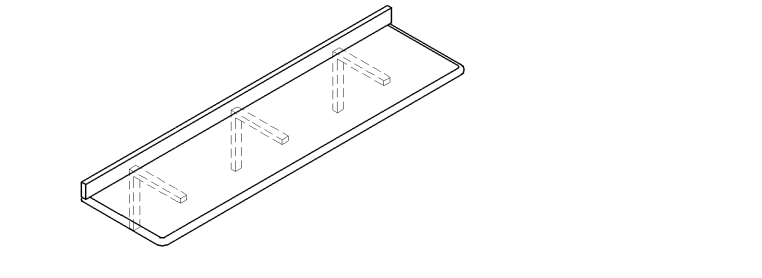
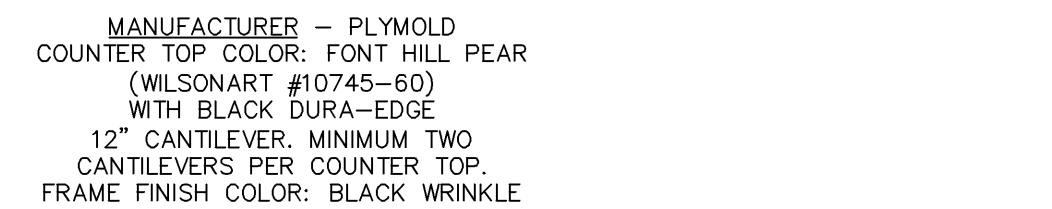
**CONTOUR HANDICAP BOOTH**



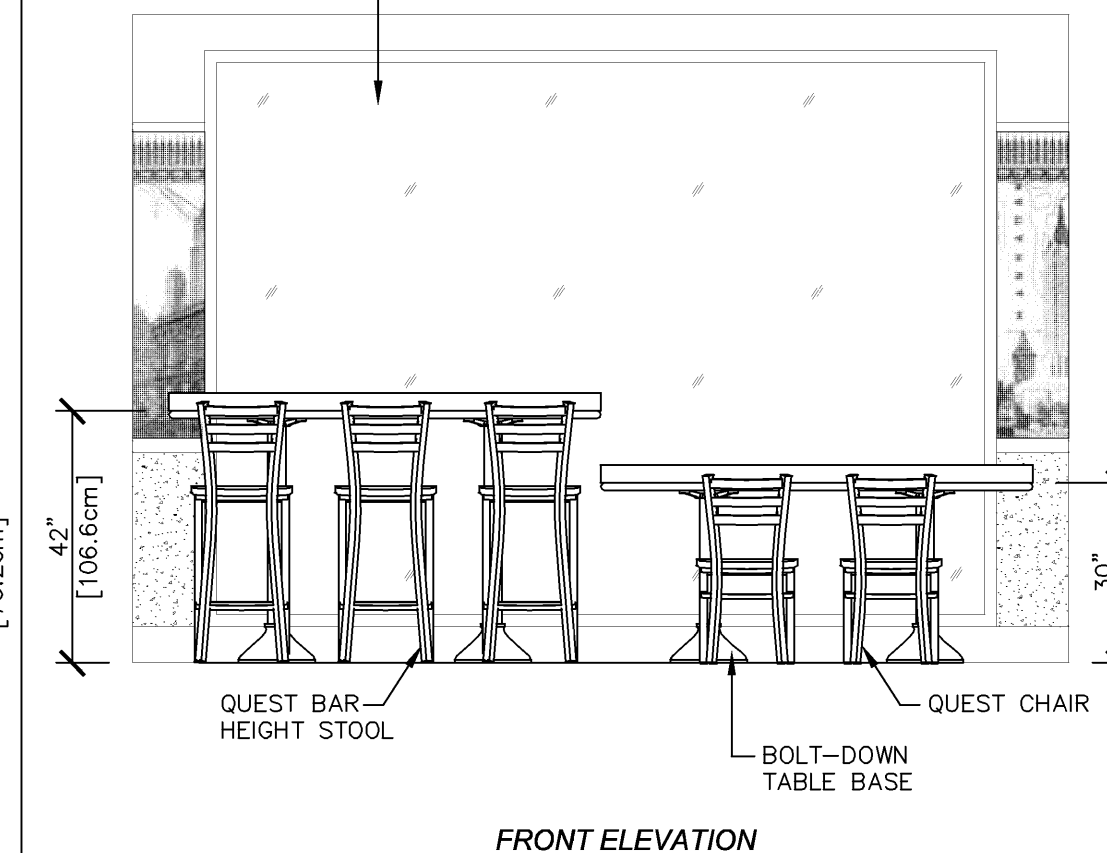
**QUEST CHAIR AND STOOL**



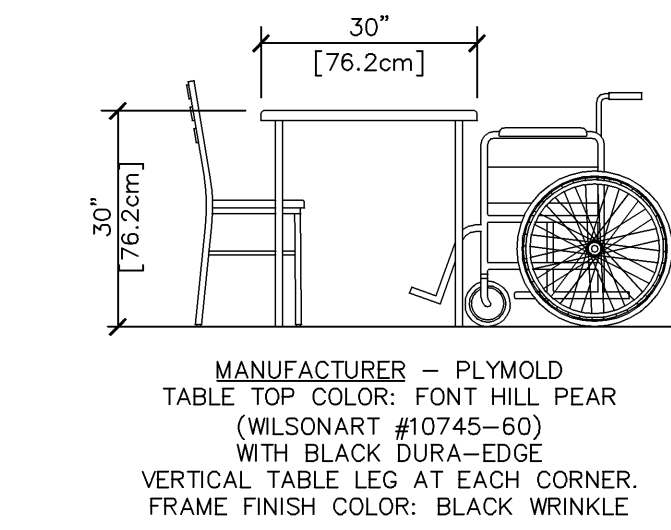
**UPHOLSTERED FURNITURE**



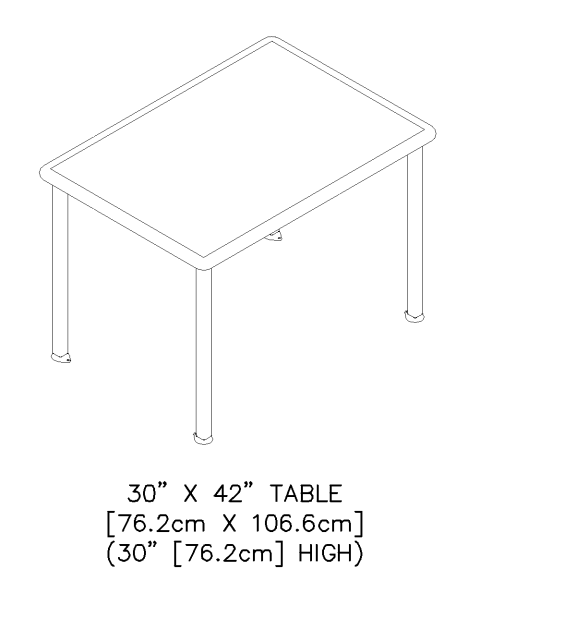
**COUNTER TOP SEATING**



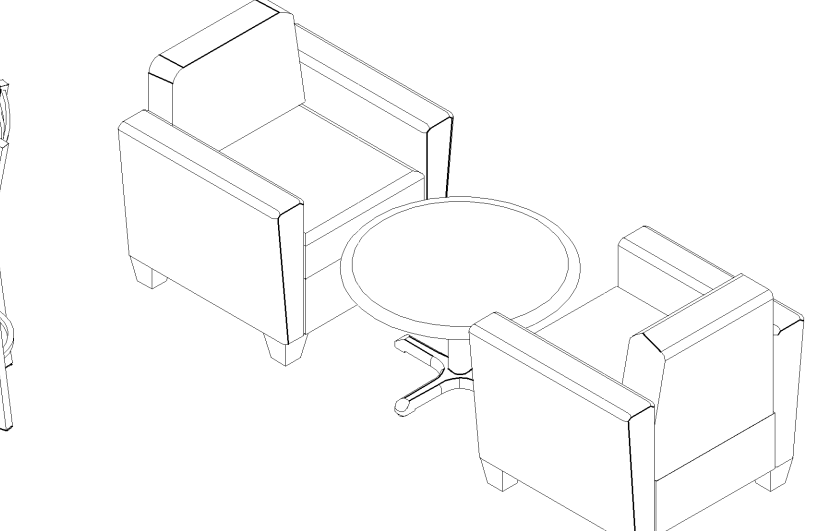
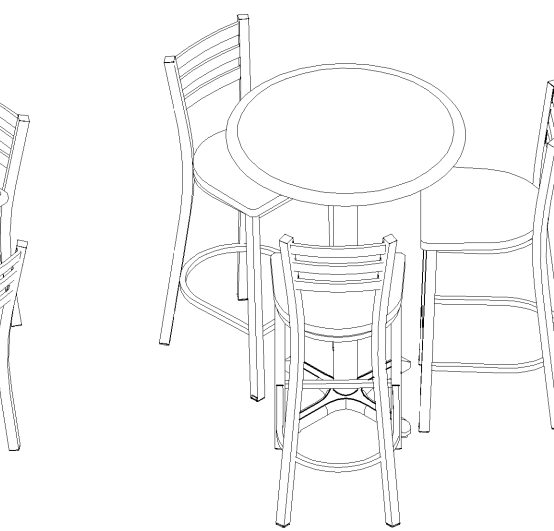
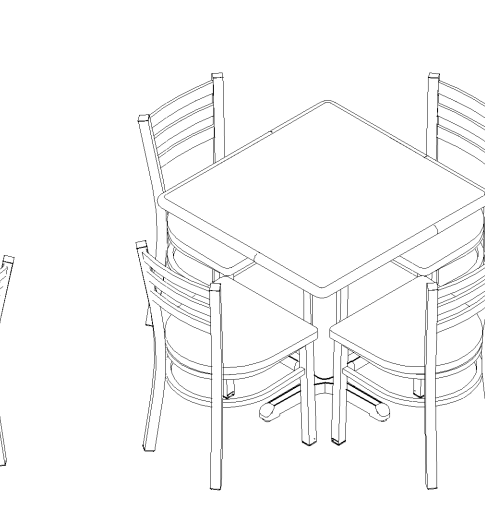
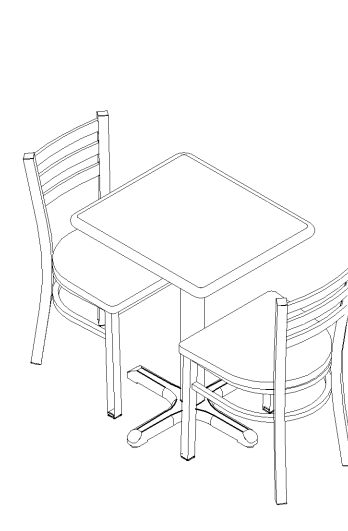
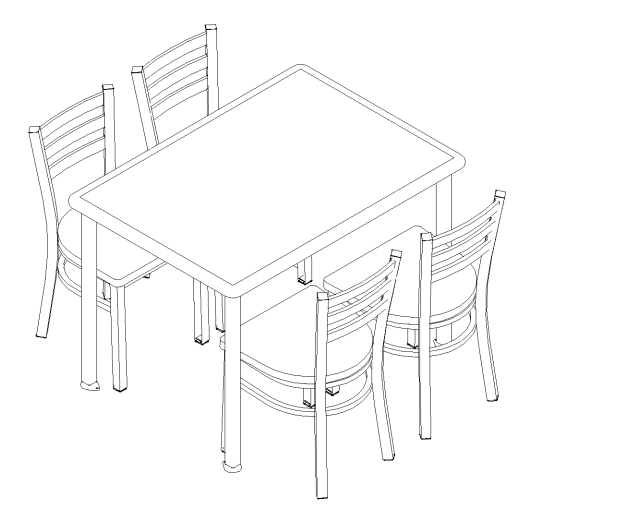
**COUNTER TOP SEATING**



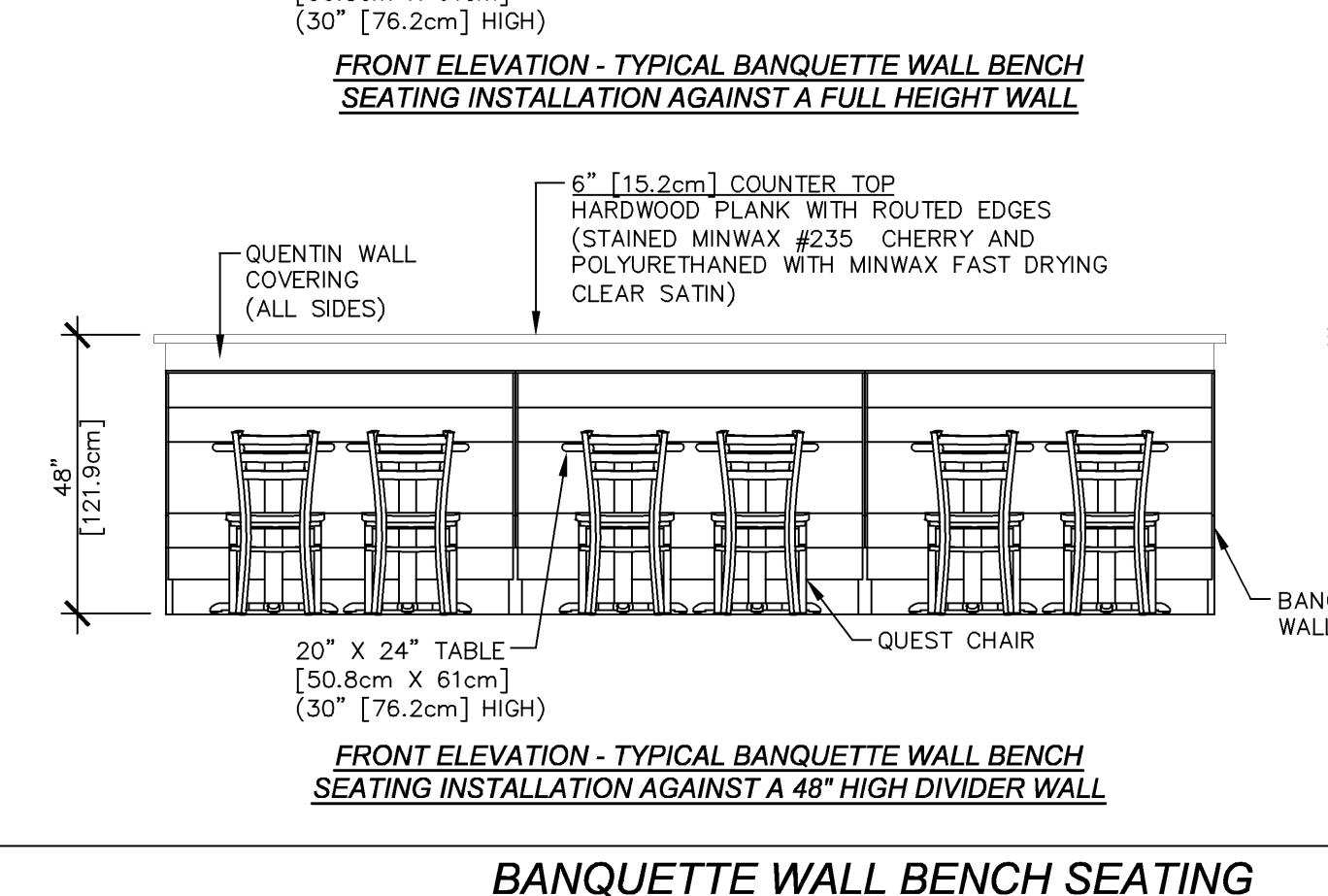
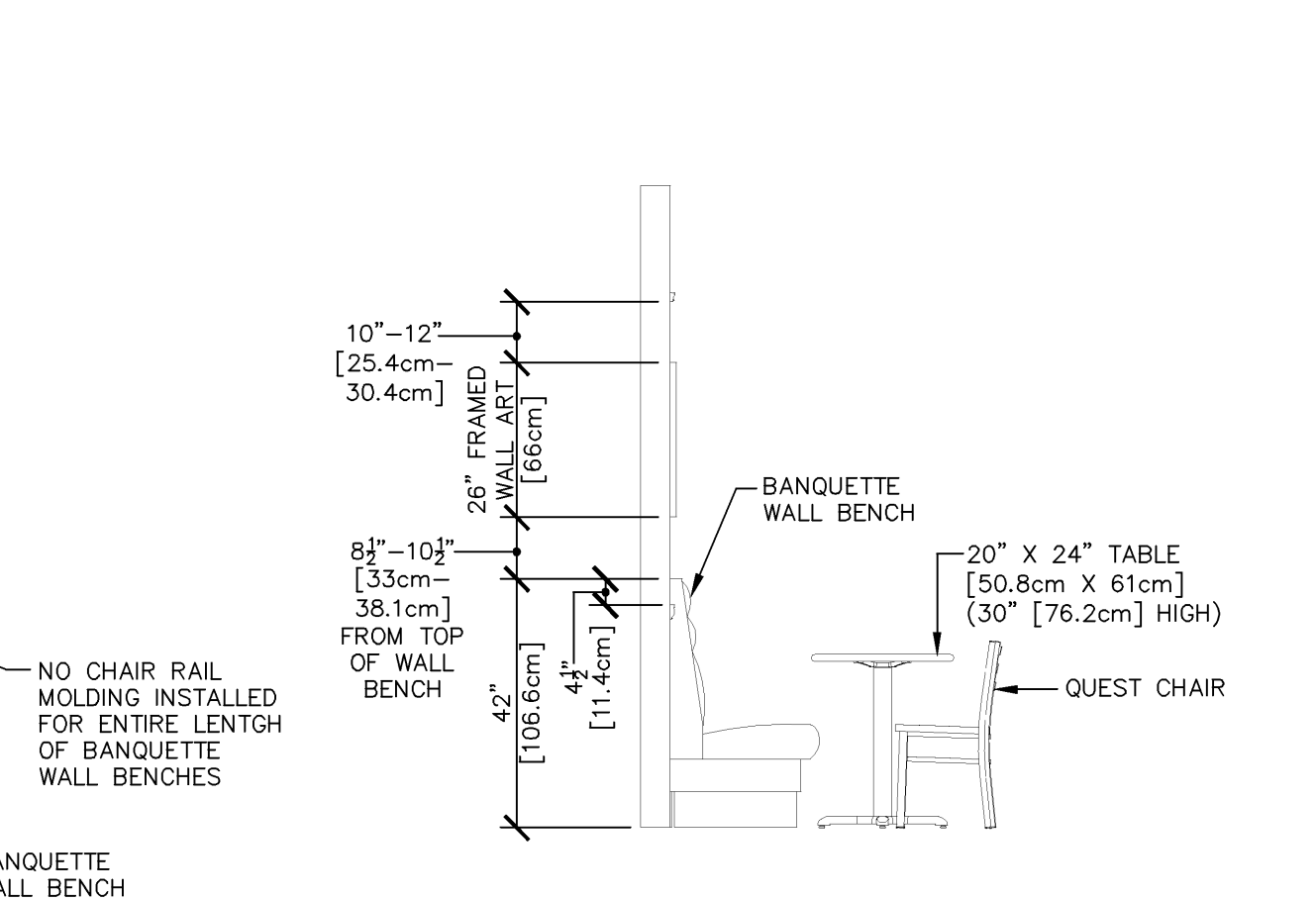
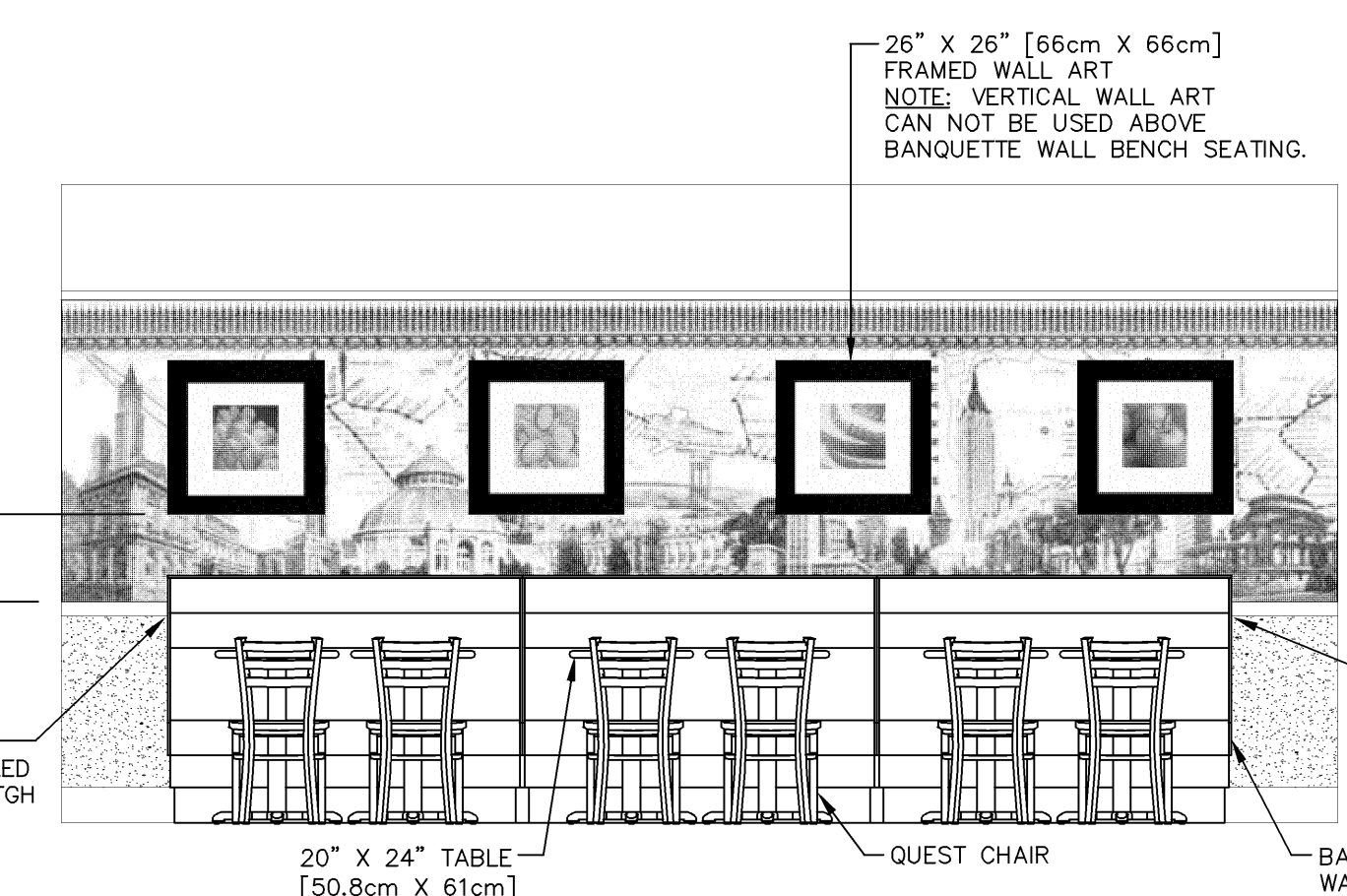
**FREE STANDING HANDICAP TABLE**



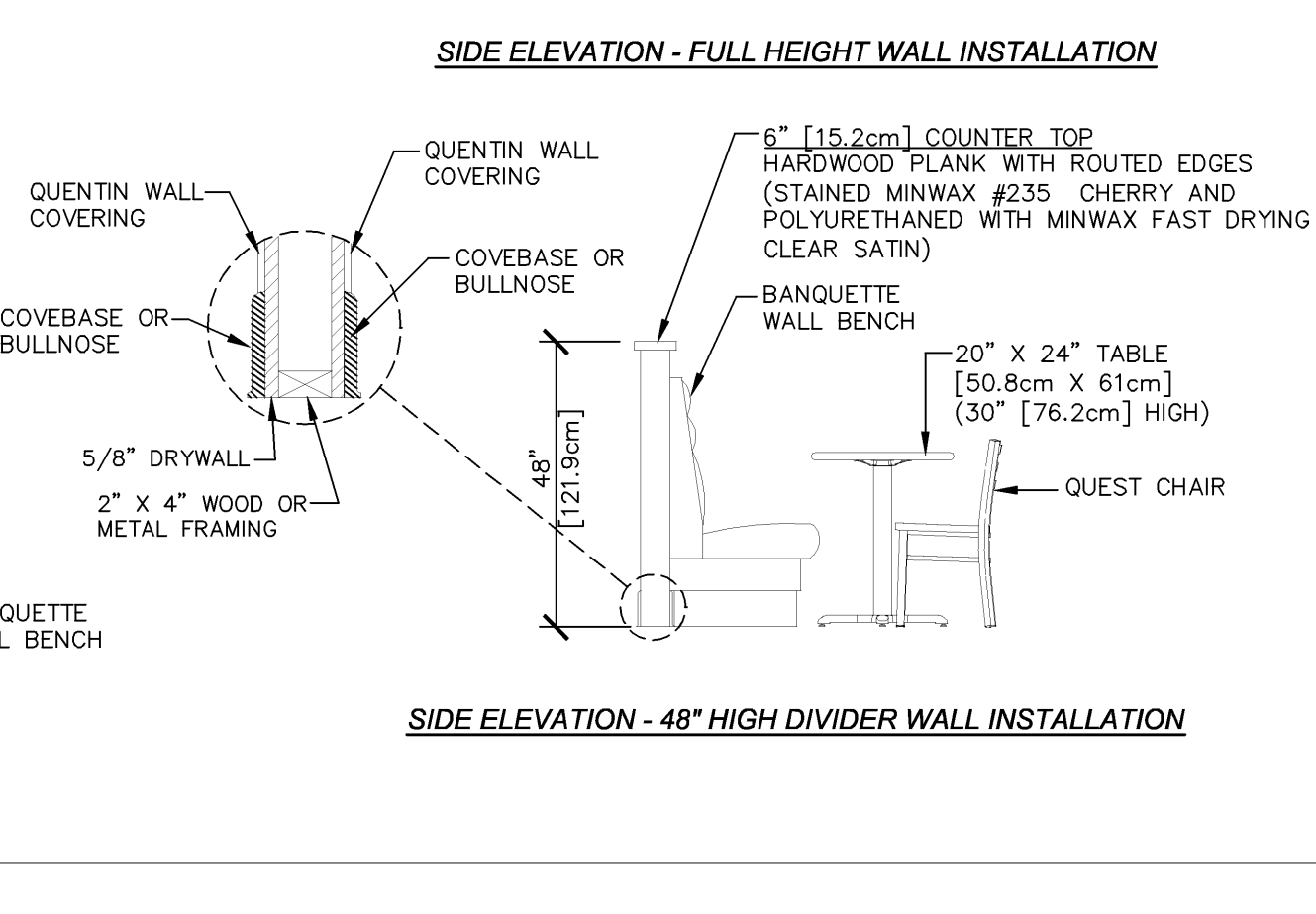
**FREE STANDING TABLES**



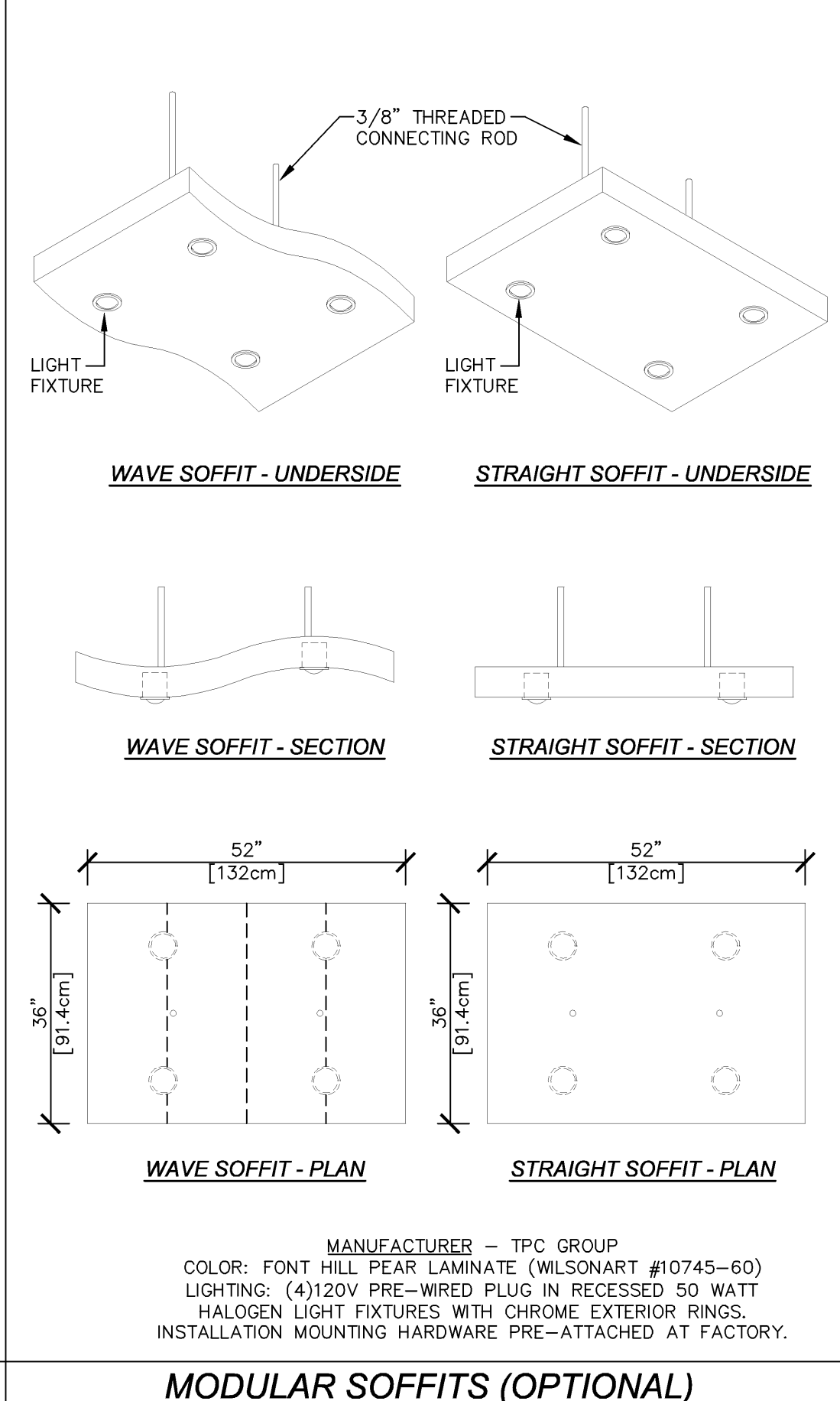
**TYPICAL SEATING ARRANGEMENTS**



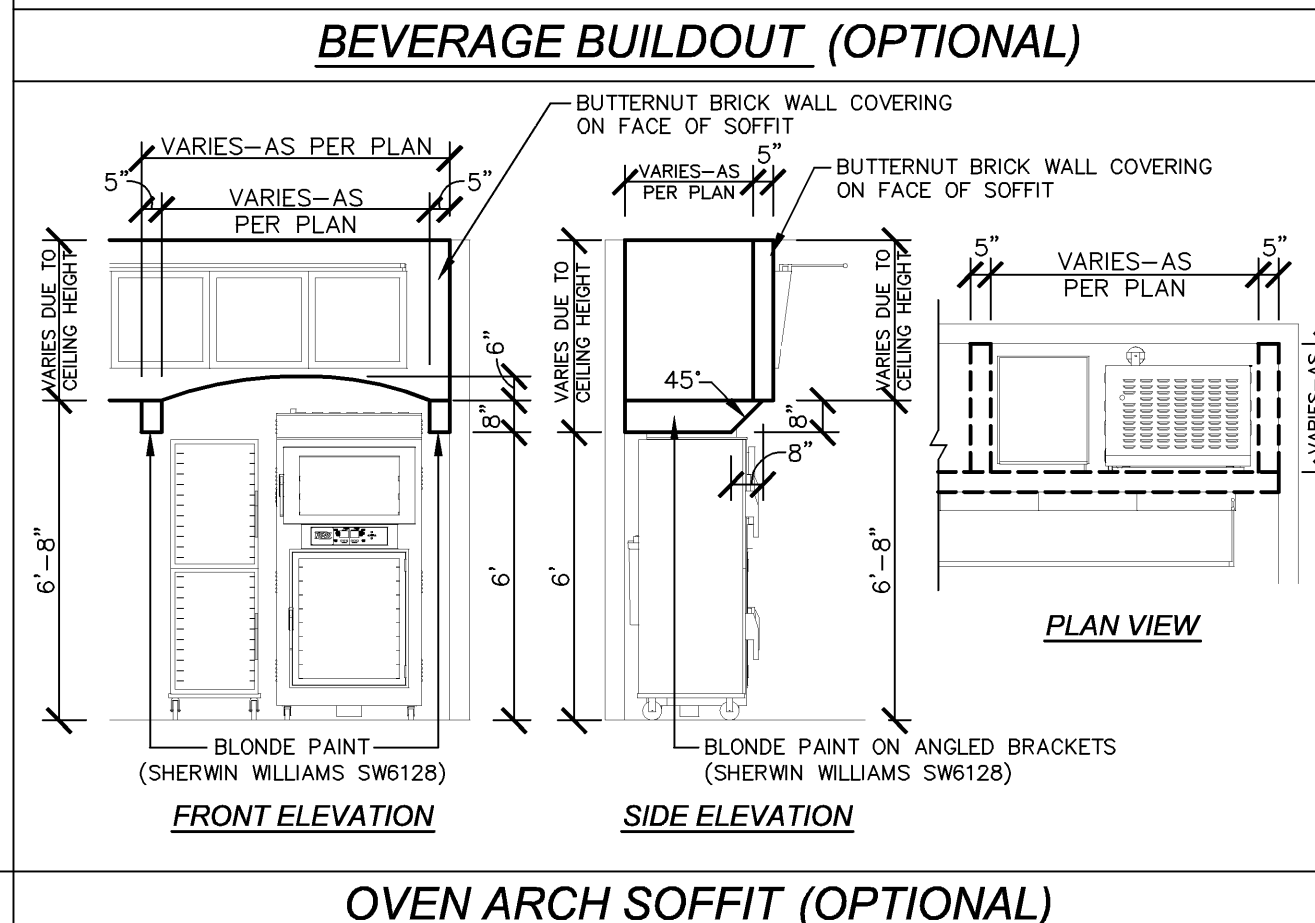
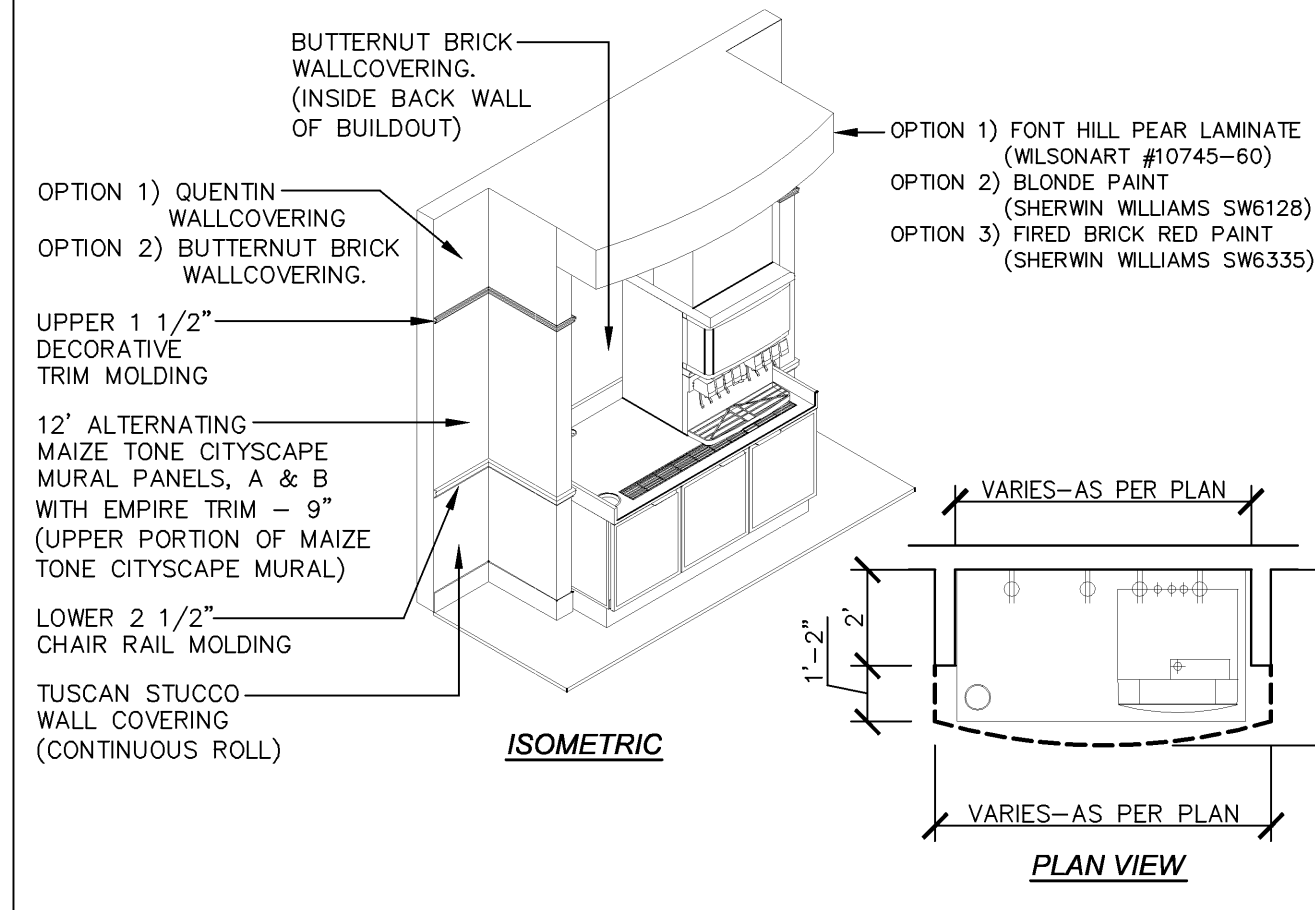
**BANQUETTE WALL BENCH SEATING**



**SIDE ELEVATION - 48" HIGH DIVIDER WALL INSTALLATION**



**MODULAR SOFFITS (OPTIONAL)**



**OVEN ARCH SOFFIT (OPTIONAL)**

STORE MUST BE CONSTRUCTED AS DESIGNED IN THESE FLOOR PLANS SUBJECT TO FEDERAL, STATE AND LOCAL LAWS. RECIPIENT IS RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL LAWS. IF MODIFICATIONS ARE NECESSARY, PLEASE CONTACT THE FWH STORE DESIGN DEPARTMENT FOR WRITTEN APPROVAL OF THE REQUIRED CHANGES.

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MILLFORD, CT 06461

**TUSCANY II DECOR BACK-UP SHEET**

REVISION:	BY	DATE
FRAMED PRINTS MOUNTING	PMR	3/4/09
BEVERAGE BUILDOUT DETAILS	PMR	4/1/09
ADDED MODULAR SOFFITS	PMR	6/16/09
SQUARE WALL ART NOTES	PMR	9/22/10

DATE: 10-31-08  
DESIGNED BY: PATRICK ROSE  
DRAWN BY: PMR  
REVIEWED BY: PMR

SCALE: NOT TO SCALE

SHEET #: 2 of 4

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STORE MUST BE CONSTRUCTED AS DESIGNED IN THESE FLOOR PLANS SUBJECT TO FEDERAL, STATE AND LOCAL LAWS. RECIPIENT IS RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL LAWS. IF MODIFICATIONS ARE NECESSARY, PLEASE CONTACT THE FWH STORE DESIGN DEPARTMENT FOR WRITTEN APPROVAL OF THE REQUIRED CHANGES.

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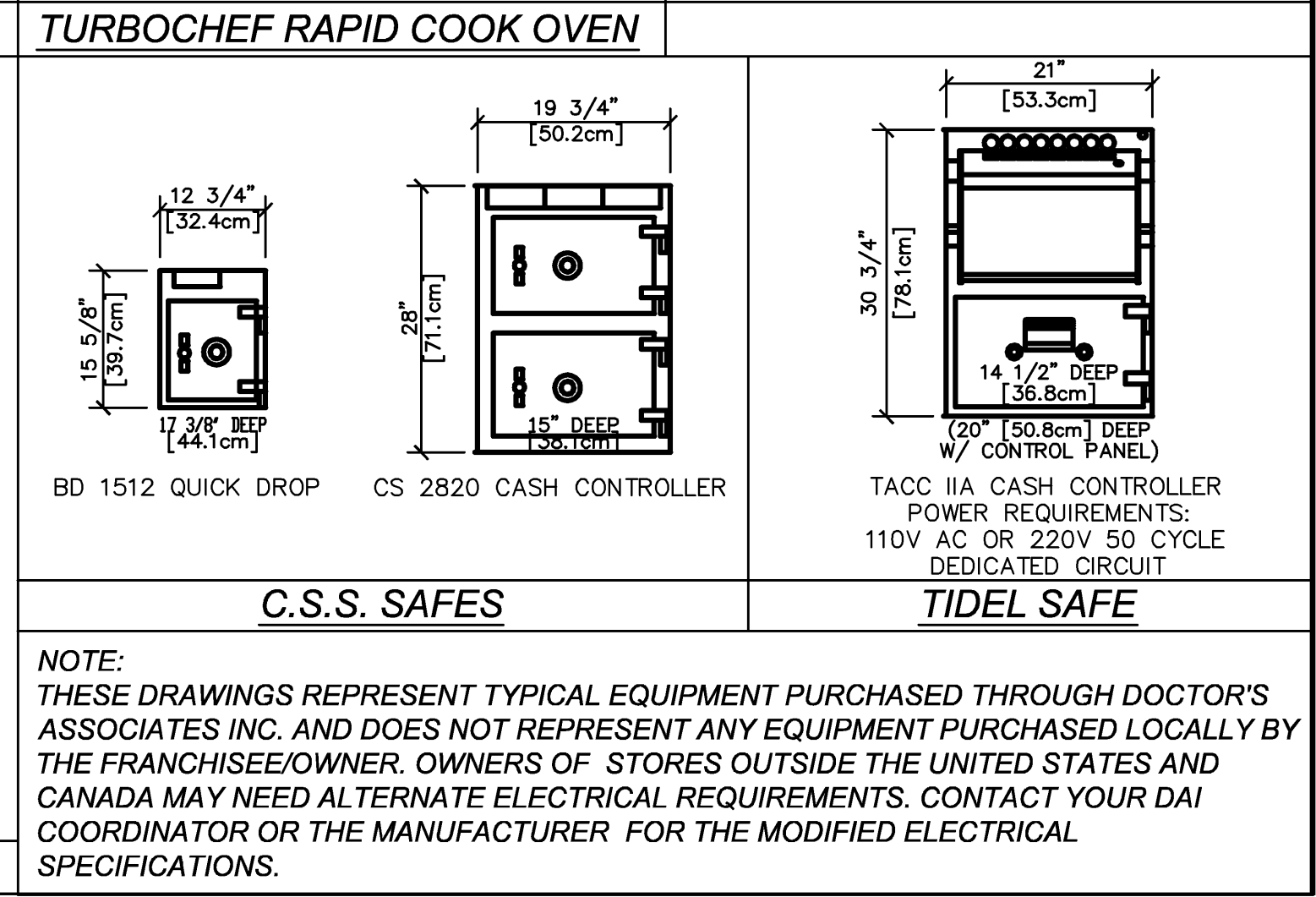
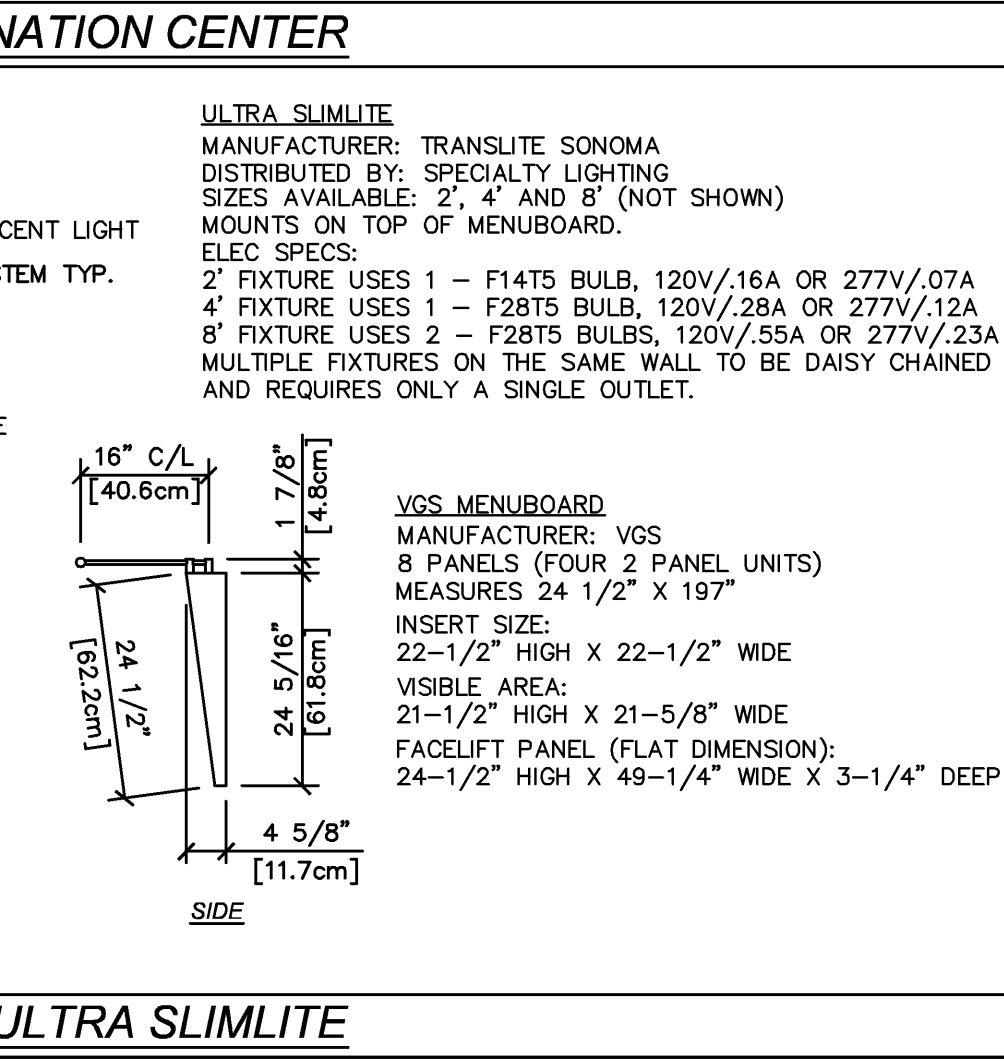
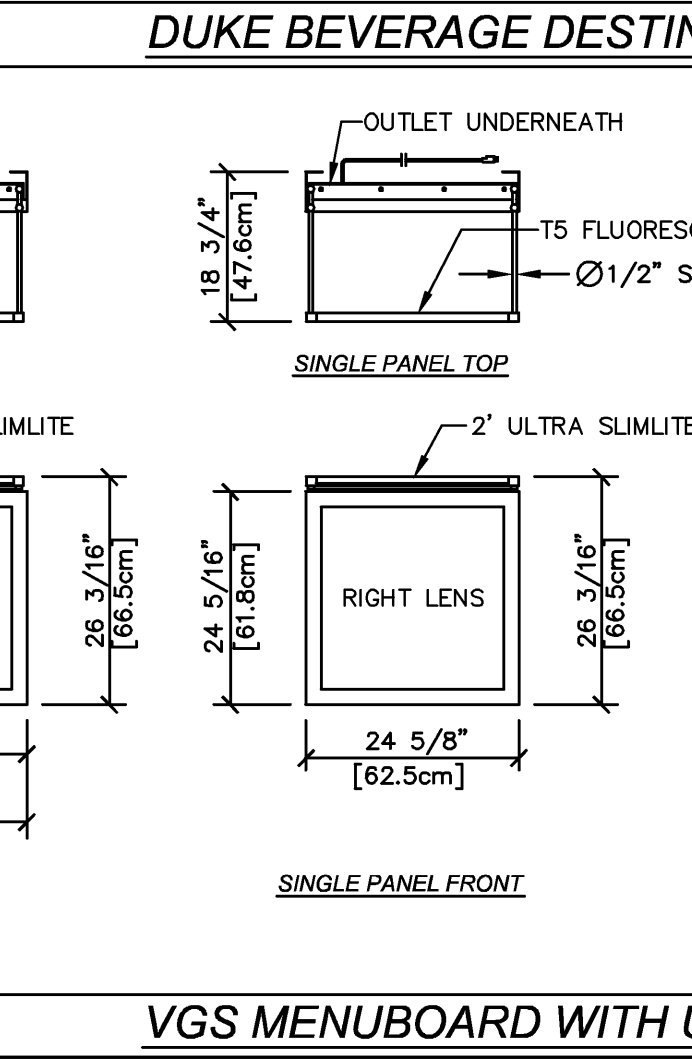
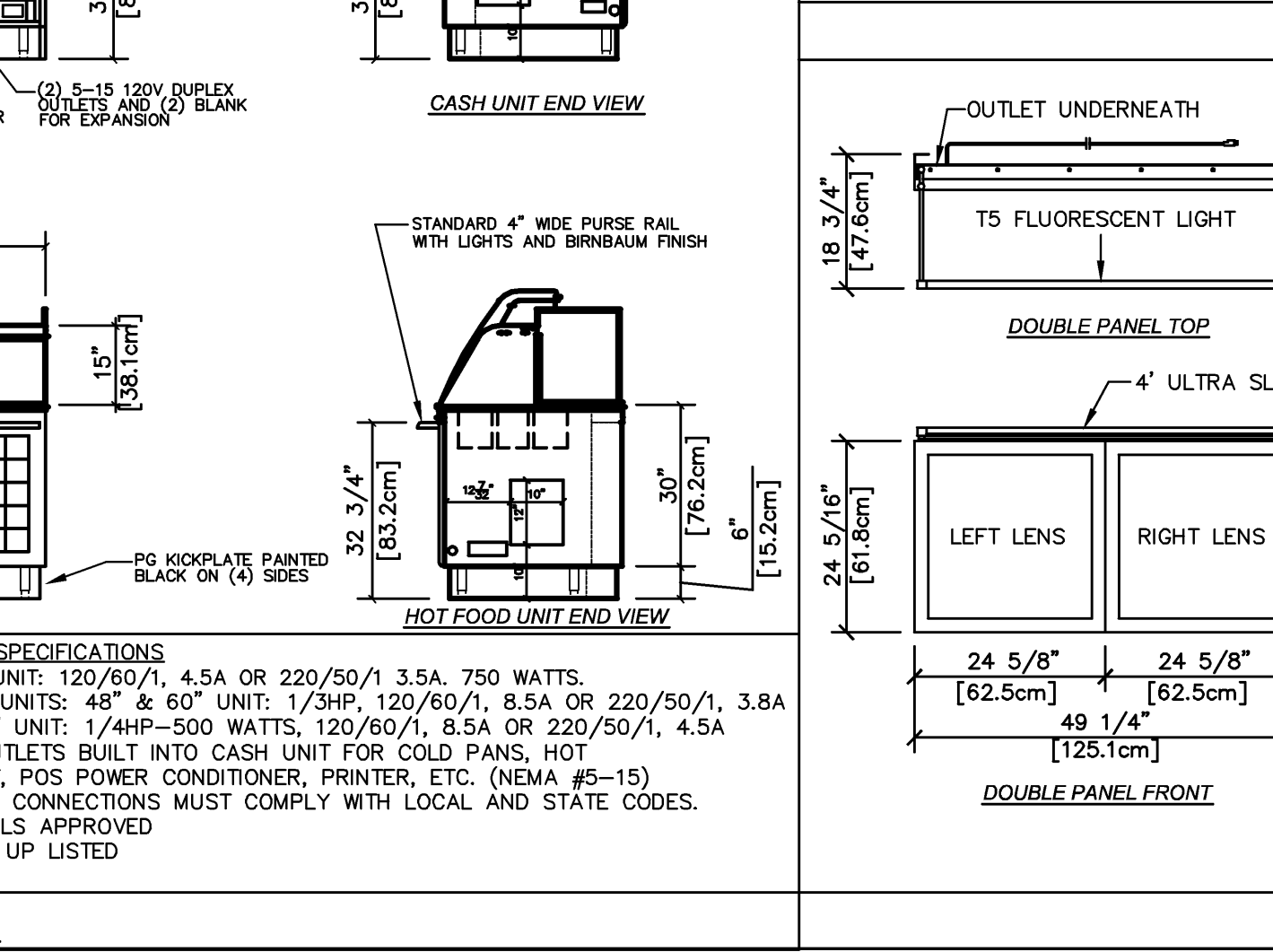
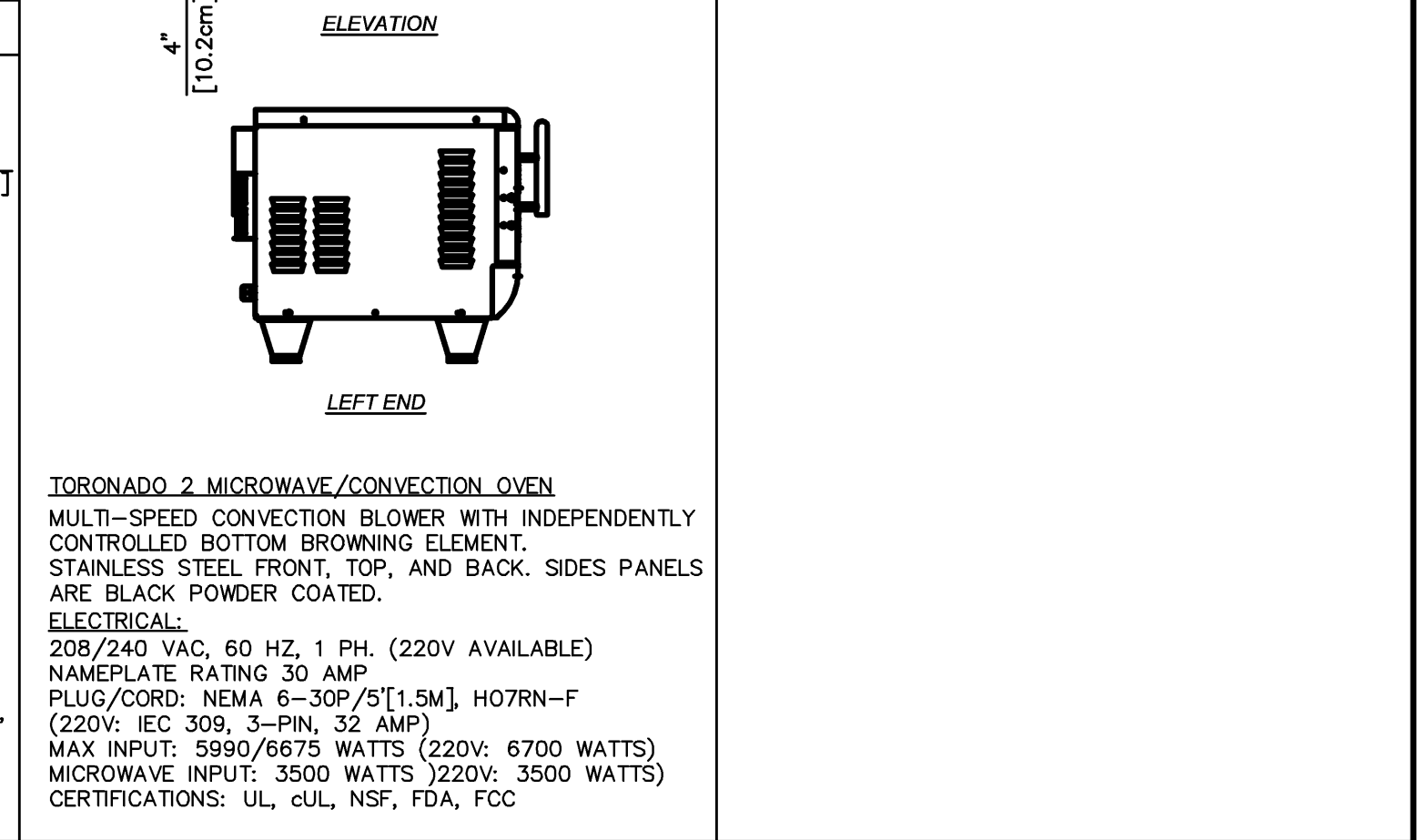
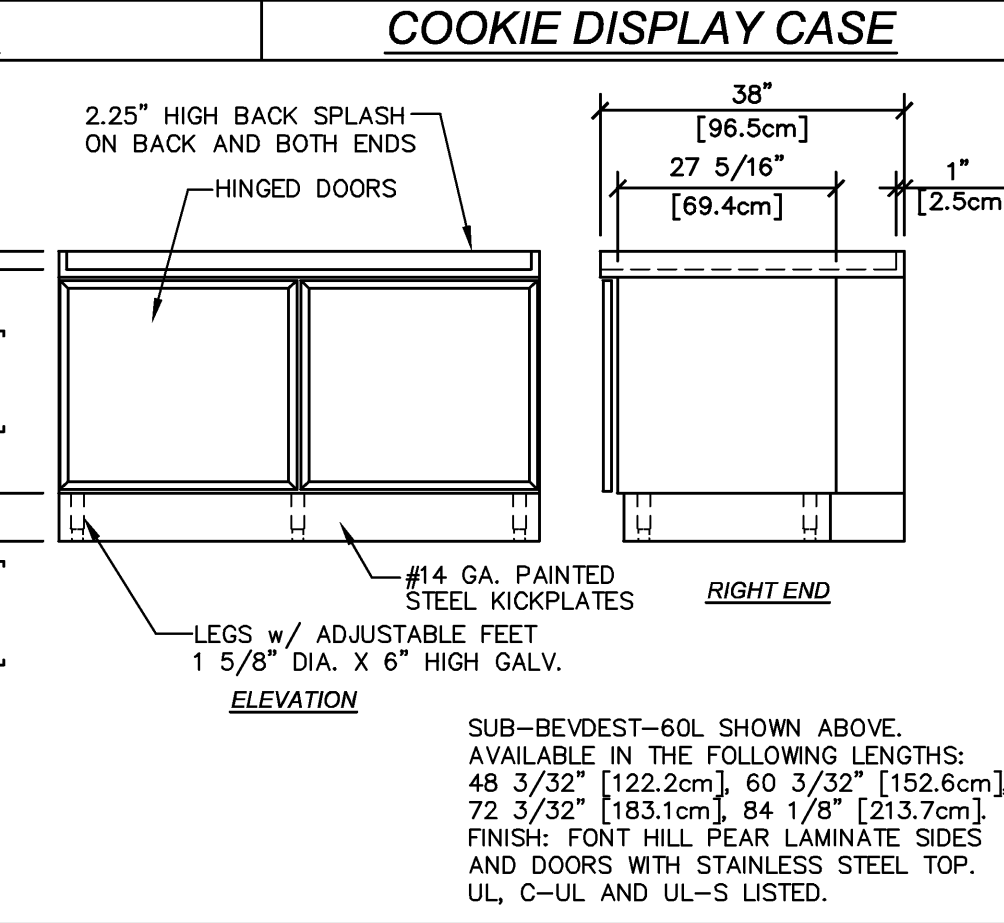
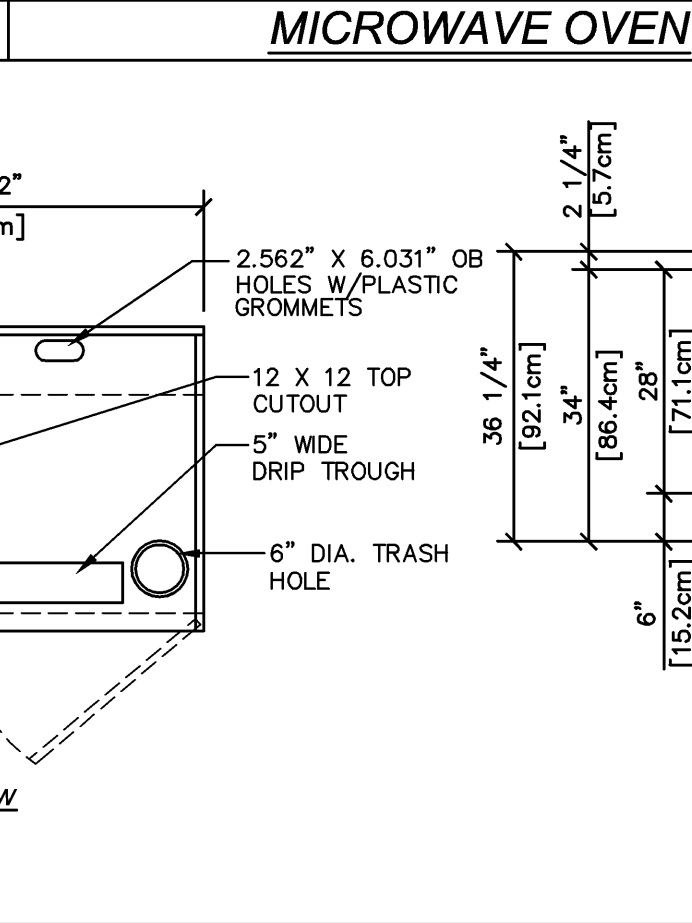
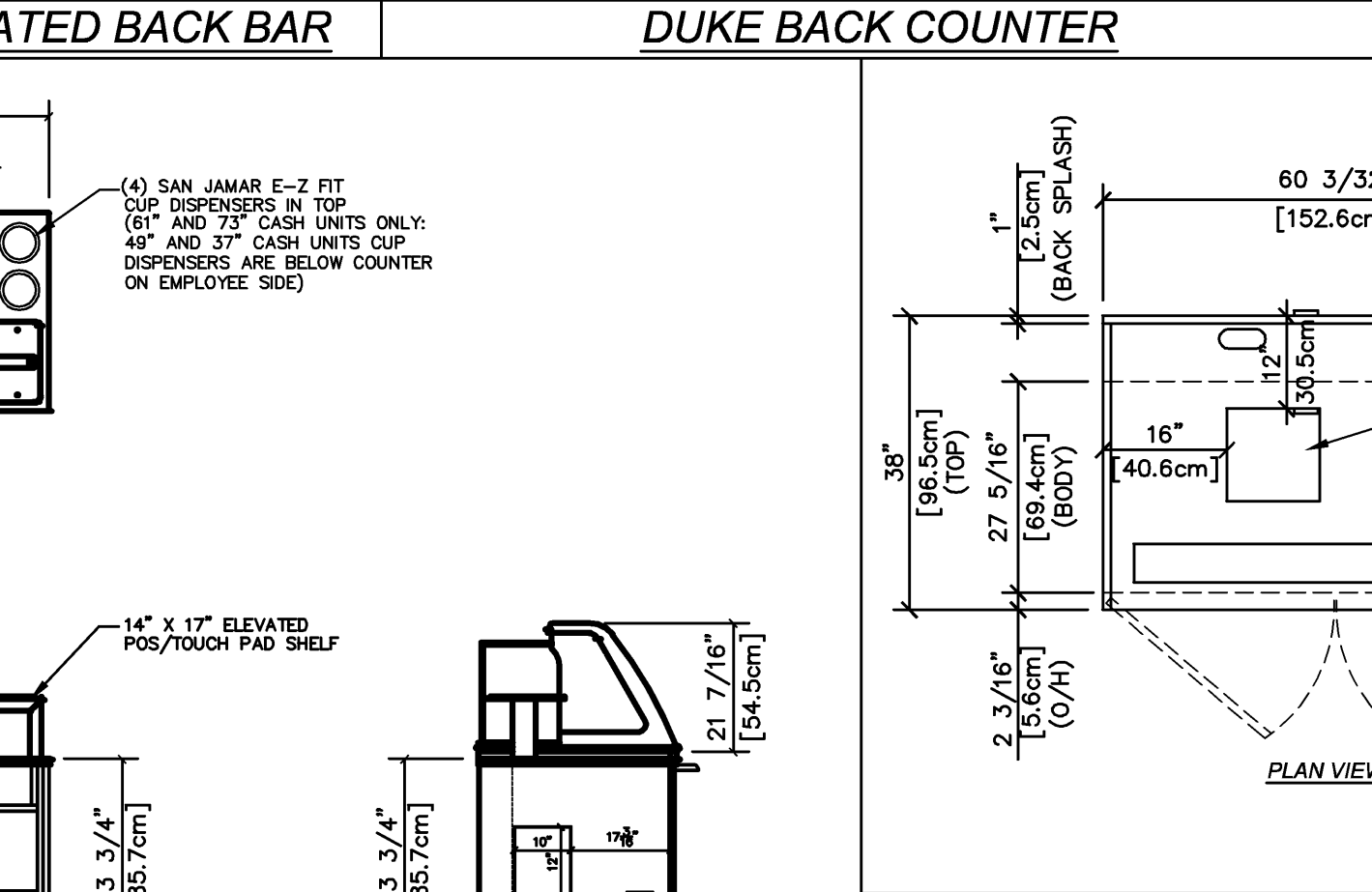
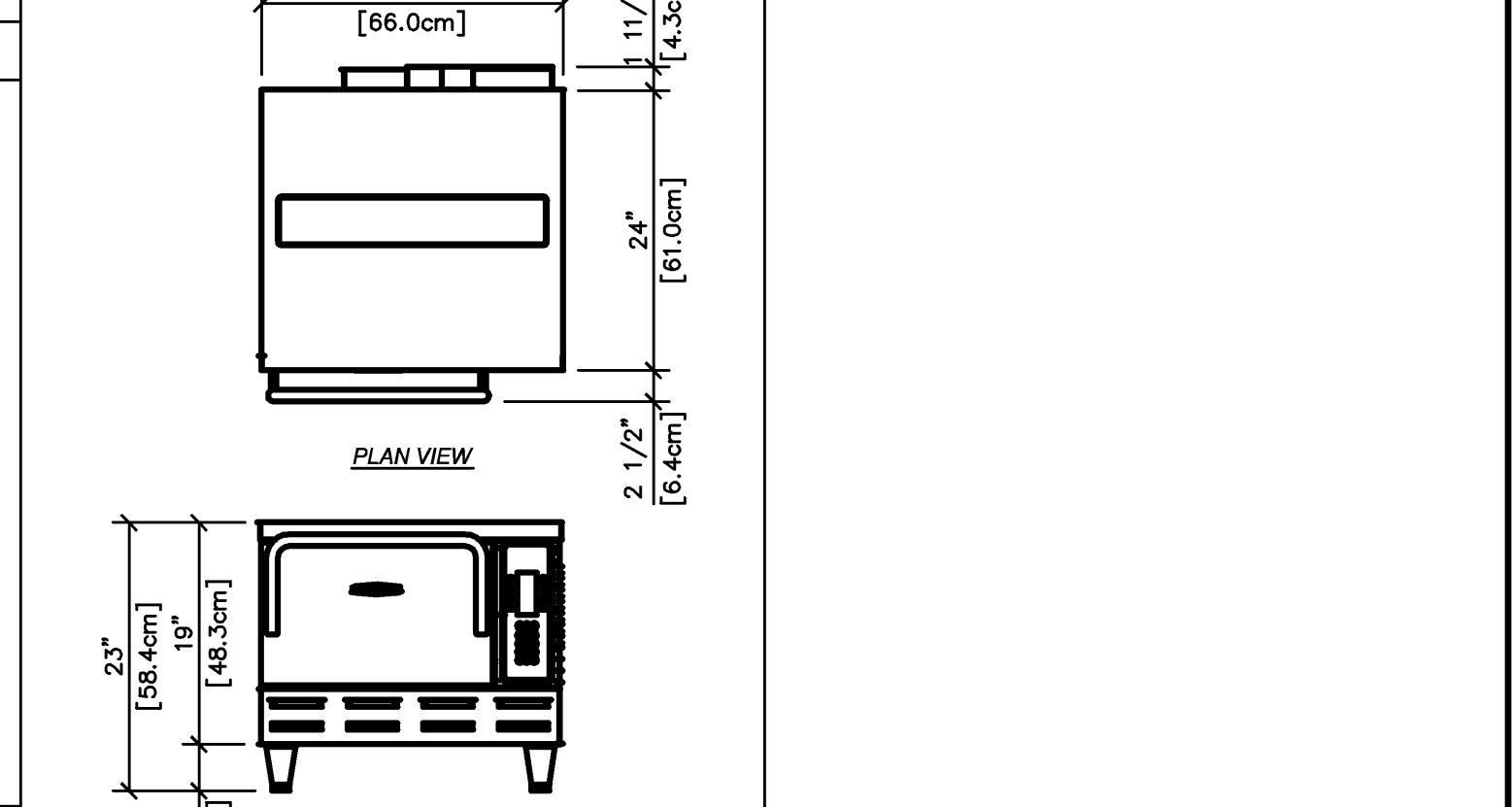
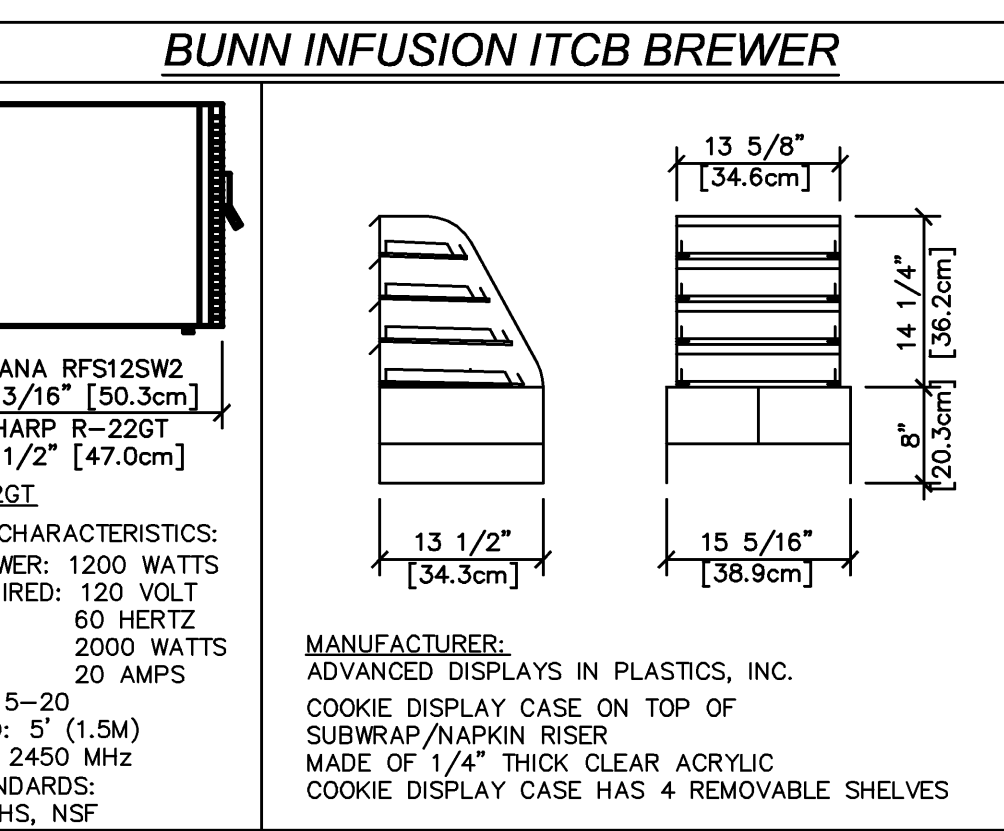
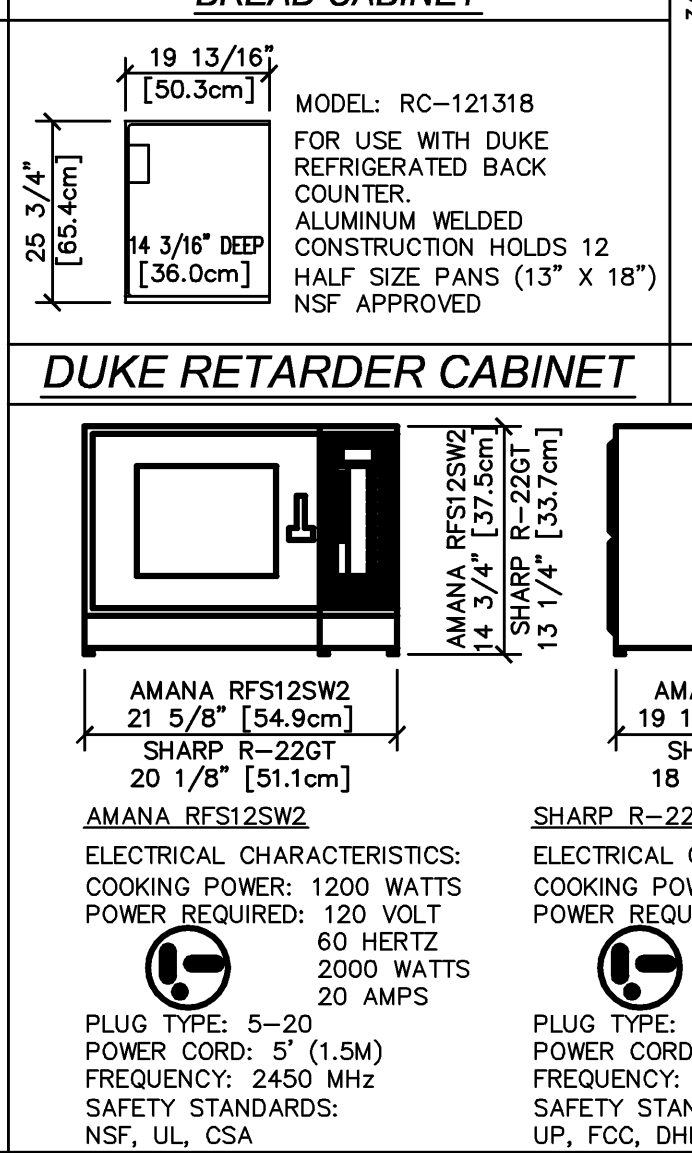
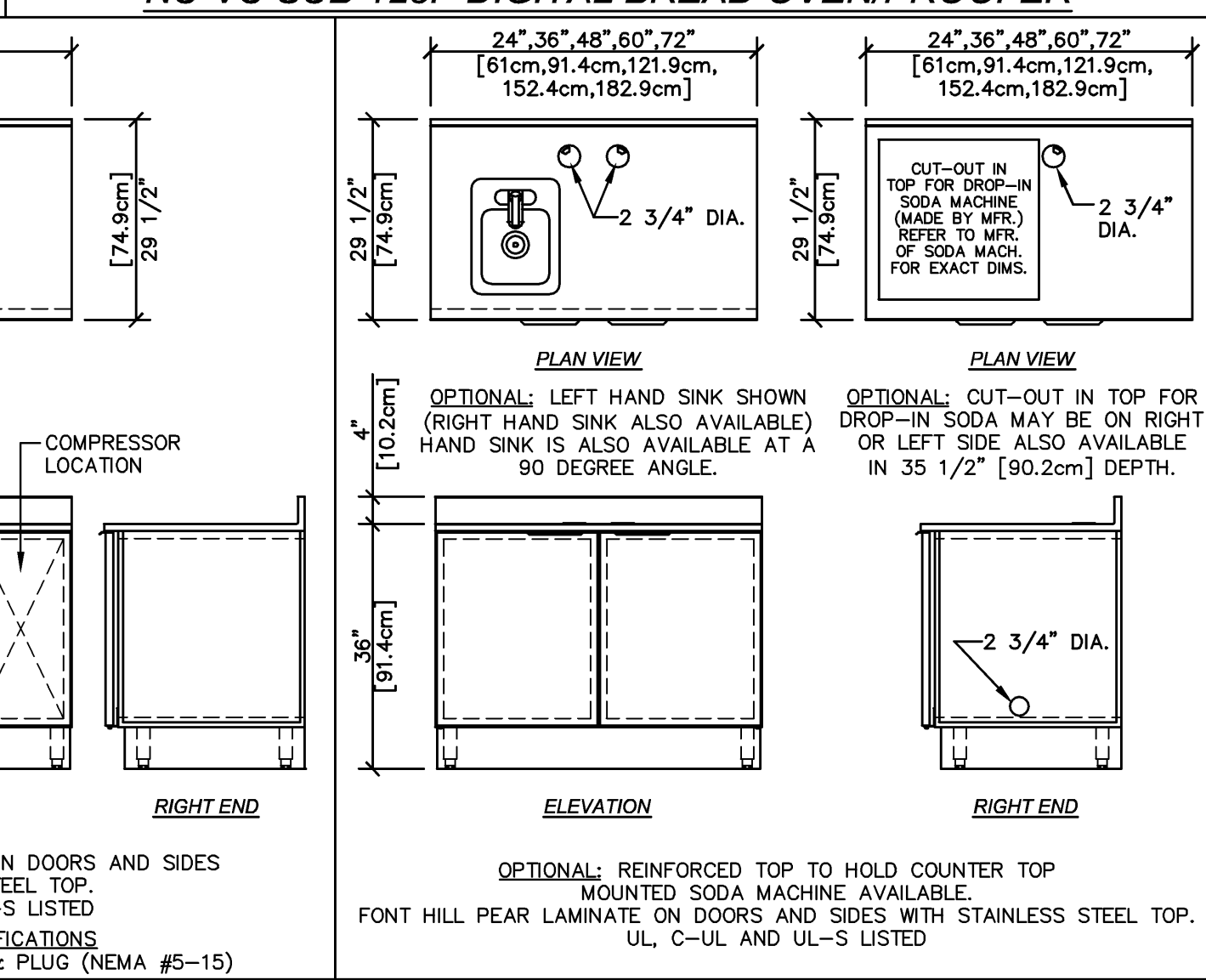
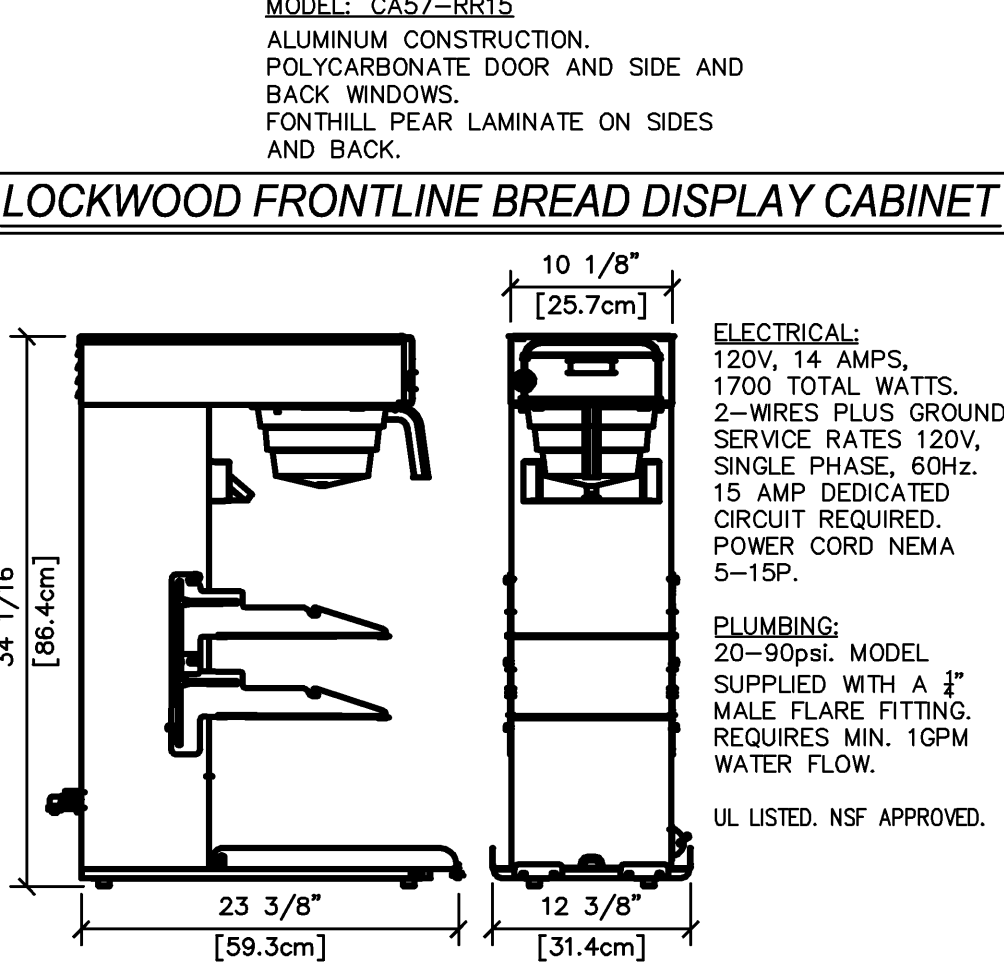
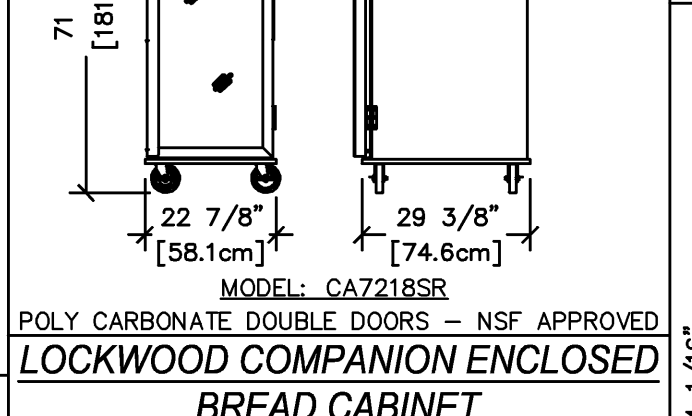
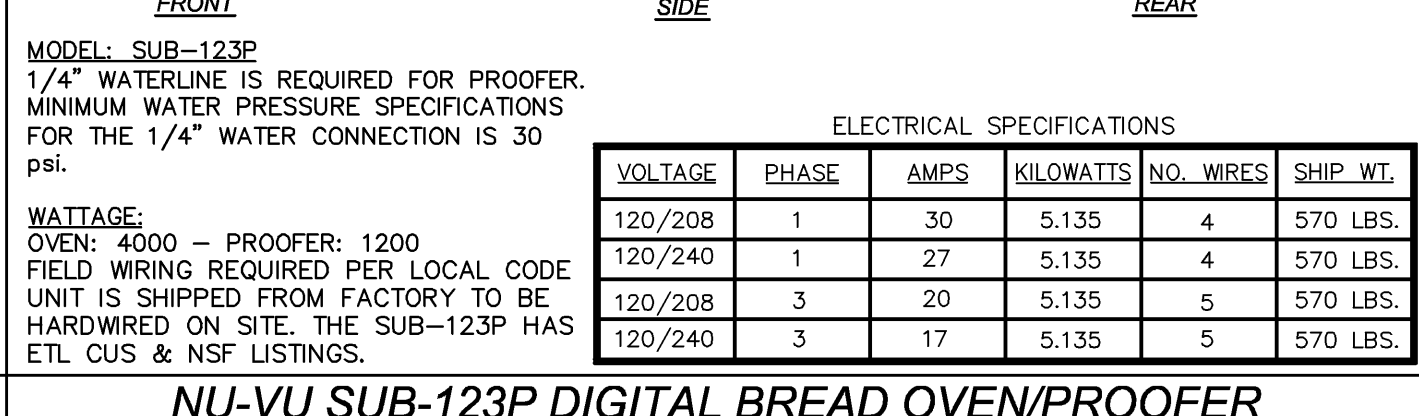
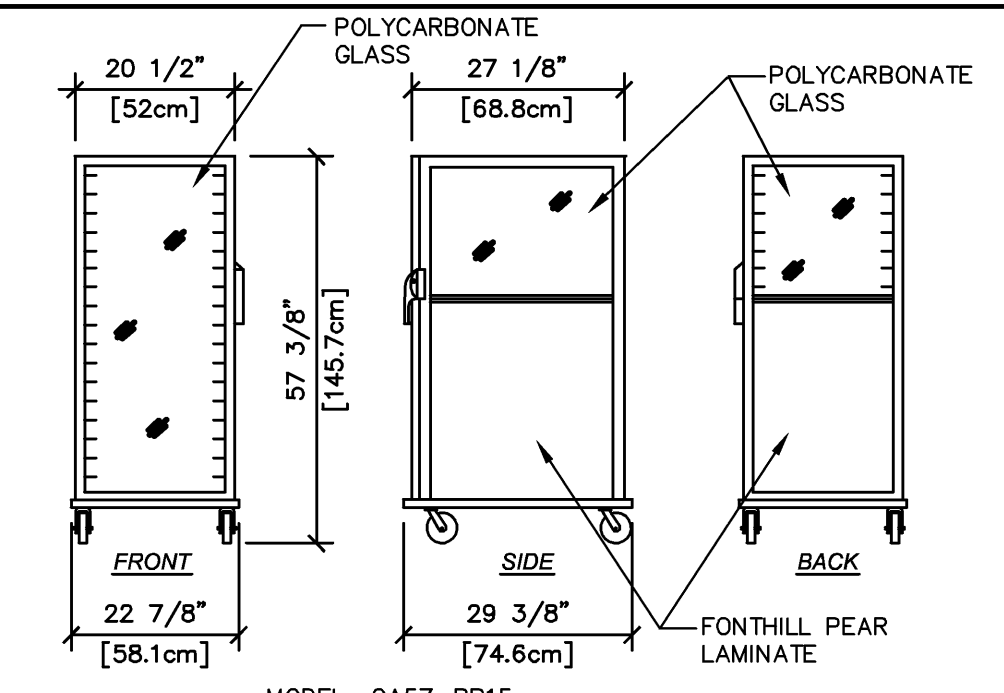
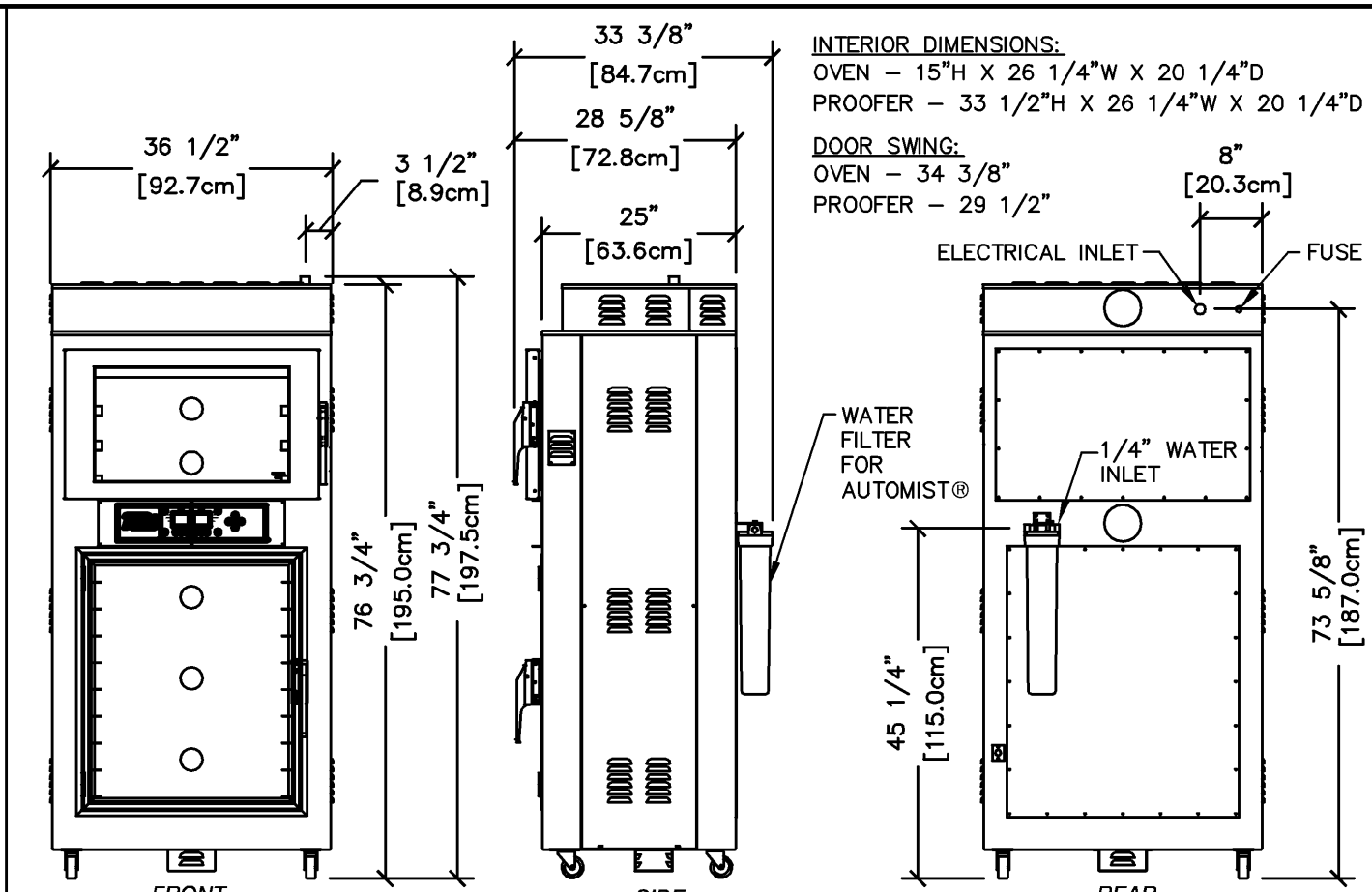
**SUBWAY**  
WORLD HEADQUARTERS  
325 BIC DRIVE  
MILLFORD, CT 06461  
(203) 877-4281  
(800) 888-4848

**TUSCANY II DECOR**  
BACK-UP SHEET

REVISION:	BY	DATE
ADDED DUKE DIGITAL BREAD OVEN/PROOFER	PMR	2/2/09
UPDATED ELECTRICAL FRONT COUNTER INFO	PMR	4/15/09
ADDED BREAK RACK OPTIONS	PMR	11/17/09
ADDED BUNN TEA & COFFEE BREWER	PMR	6-28-09 5/11/09

DATE: 10-31-08  
DESIGNED BY: PATRICK ROSE  
DRAWN BY: PMR  
REVIEWED BY: PMR

SCALE: NOT TO SCALE  
SHEET #: 4 of 4



NOTE: THESE DRAWINGS REPRESENT TYPICAL EQUIPMENT PURCHASED THROUGH DOCTOR'S ASSOCIATES INC. AND DOES NOT REPRESENT ANY EQUIPMENT PURCHASED LOCALLY BY THE FRANCHISEE/OWNER. OWNERS OF STORES OUTSIDE THE UNITED STATES AND CANADA MAY NEED ALTERNATE ELECTRICAL REQUIREMENTS. CONTACT YOUR DAI COORDINATOR OR THE MANUFACTURER FOR THE MODIFIED ELECTRICAL SPECIFICATIONS.







# PANEL A (EXISTING)

PANEL 3 $\phi$  4 WIRE TYPE NEMA 1 LOC. KITCHEN EXIT MTG. FLUSH MAIN M.L.O.

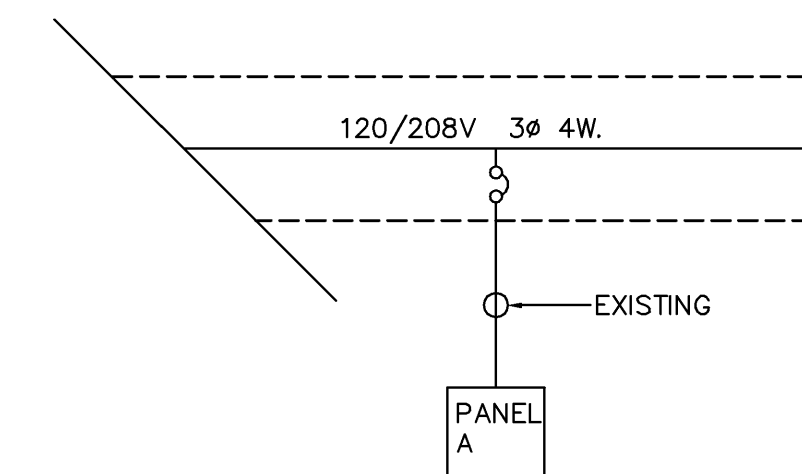
BUS: AMP 200 VOLTS 120/208 FEEDER EXISTING AT

DESCRIPTION	WATTAGE			OUTLETS			BKR			WATTAGE			DESCRIPTION			
	A	B	C	L	R	C	P	A	B	C	A	B		C		
AC	2640						50	3	1	2	1	20		500	POS	
AC		2640					3	5	2	4	1	20		1080	DELI 1	
AC			2640				5	2	8	1	20		1320	1080	DELI 2	
BREAD	2750						30	3	7	10	1	20		1500	HOT WELL	
BREAD		2750					11	12	12	1	20				MICRO 1	
BREAD			2750				13	14	14	1	20				MICRO 2	
TOAST 1	2500						15	16	16	1	20		1200	1500	REF BACK COUNTER	
TOAST 2		2500					17	18	18	1	20		450	950	FRNT GF1	
W/C	1440						19	20	20	1	20		960	950	PREP GF1	
W/F		1850					21	22	22	1	20		400	960	DRINKS COOLER	
W/F			1850				23	24	24	1	20				SODA	
AIR CURTAIN	480						25	26	26	1	20		1320	960	TEA	
SODA BAG		540					27	28	28	1	20		850		ICE	
SIGN			360				29	30	30	1	20		480	480	HOOD	
EXT LIGHTS	300						31	32	32	1	20		1140		MENU	
ROOF GF1		300					33	34	34	1	20		960	960	LIGHTS	
H2O		2760					35	36	36	1	20			750	LIGHTS	
H2O			2760				37	38	38	1	20				EVAP. COOLER	
H2O			2760				39	40	40	1	20					
H2O			2760				41	42	42	1	20					
CONNECTED LOAD	2,870	3,340	11,800										6,440	5,240	5,720	CONNECTED LOAD
# A LOAD	19,310															
# B LOAD	18,560															
# C LOAD	17,520															
TOTAL LOAD	55,410															

55.4 KW+LCL 0.5 KW= 55.9 KW AT 208 VOLTS 3 $\phi$  155.3 AMPS

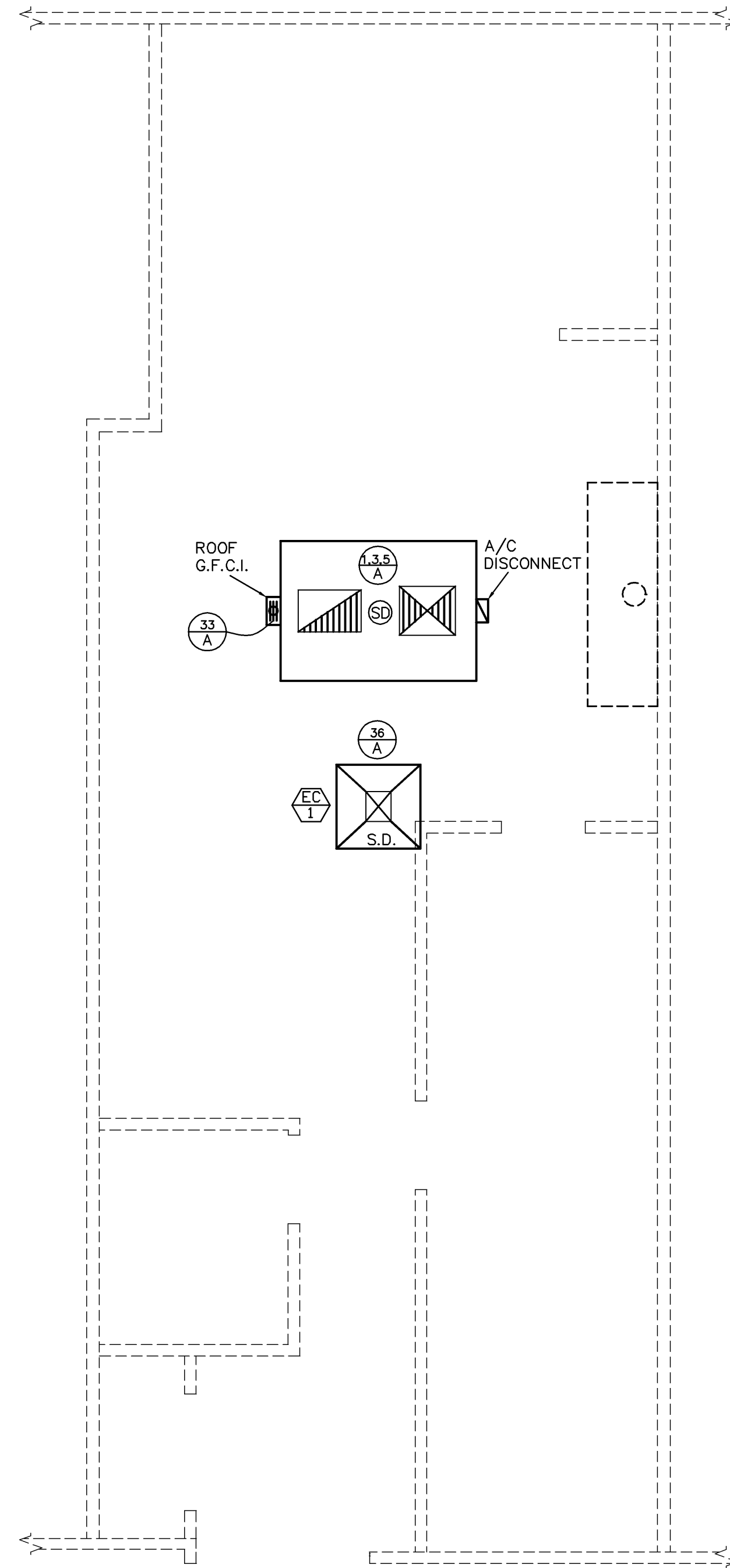
## FIXTURE SCHEDULE

- 2X2 ACRYLIC FLOURESCENT LIGHT  
7-T5 60 WATTS
- 2X2 PARABOLIC FLOURESCENT LIGHT  
8-T5 60 WATT
- INCANDESCENT CAN LIGHTS  
7- 45 WATTS
- INCANDESCENT CAN LIGHTS  
10- 45 WATTS
- G.F.C.I.



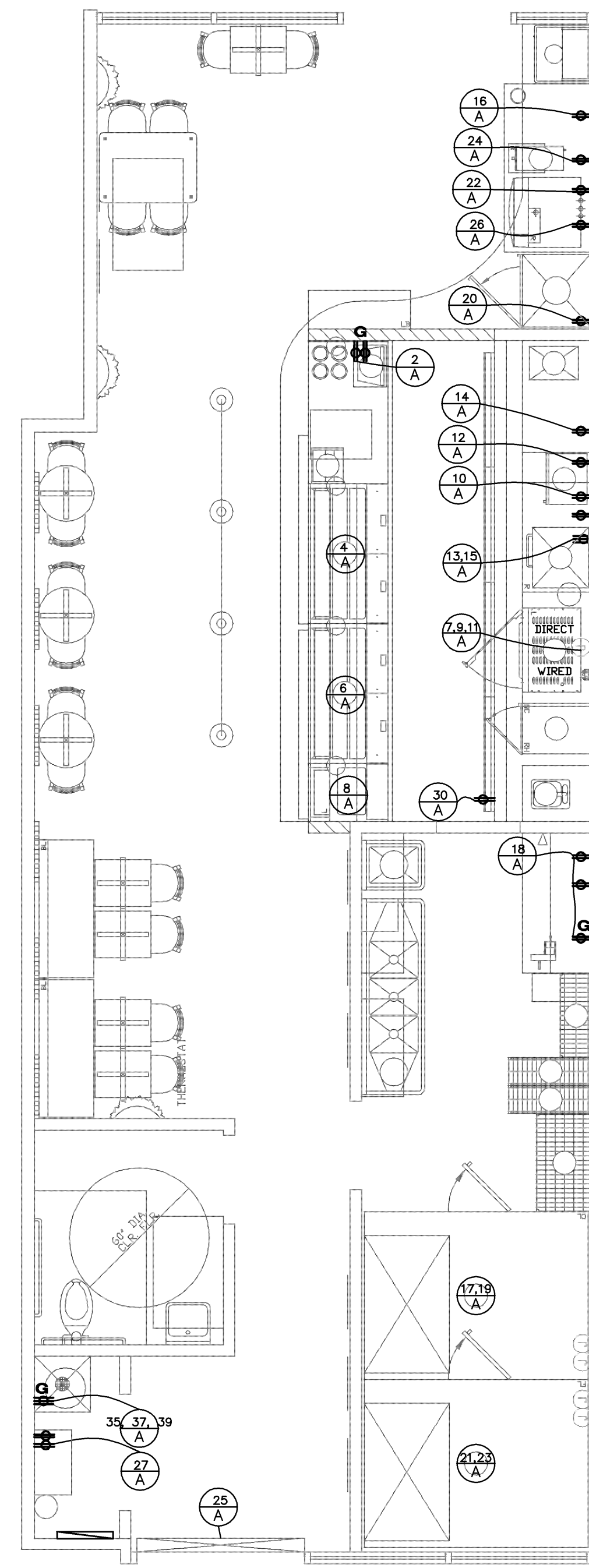
## SINGLE LINE DIAGRAM

ALL ITEMS ARE EXISTING



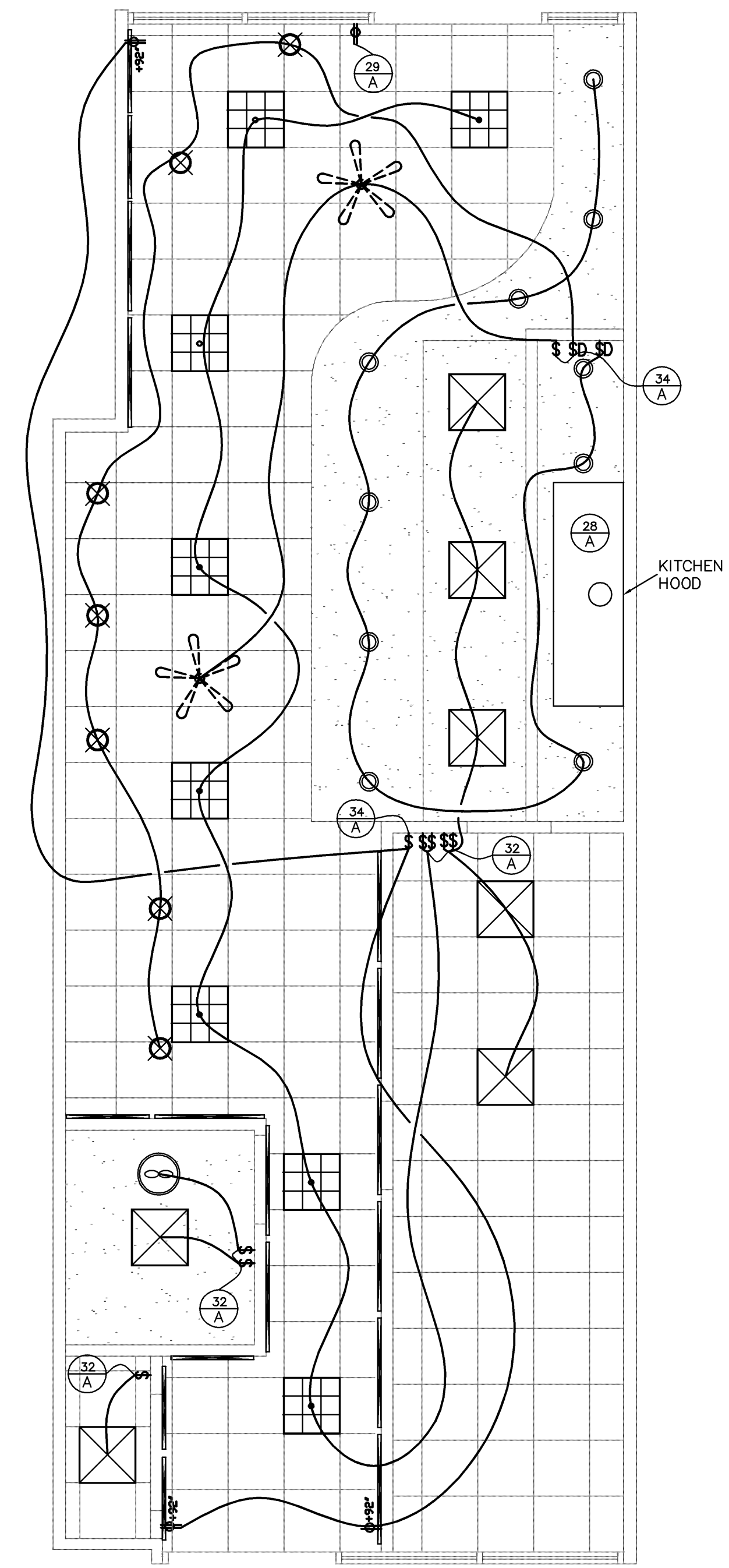
## ELECTRICAL ROOF PLAN

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



## ELECTRICAL PLAN

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



## ELECTRICAL LIGHTING PLAN

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

**PASQUINI ENGINEERING INCORPORATED**  
 Telephone: (651) 328-8600  
 Fax: (651) 328-8600  
 603 H Street Suite 200  
 Bakerfield, CA 93304

NO.	DATE

**SUBWAY**  
**STORE 12710**  
 8254 FIRESTONE BLVD.  
 DOWNEY, CA 90241

THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS A "WET STAMP & SIGNATURE" FROM BOTH THE ENGINEER OF RECORD AND A APPROVAL STAMP WITH A "WET STAMP & SIGNATURE" FROM THE LOCAL GOVERNING AGENCY ARE PRESENT.

DWG. BY	J.P.
CHK'D BY	
DATE	6/13/2011
JOB NO.	6364
FILE NO.	636422

EXP. 12/31/12

SHEET  
**E-2**  
 OF SHEET



MECHANICAL ABBREVIATIONS

Table of mechanical abbreviations including terms like AND ANGLE, AIR CONDITIONING, BALANCING DAMPER, COMBUSTION AIR, CONDENSATE DRAIN, etc.

SYMBOLS

Table of symbols for various mechanical components such as AIR CONDITION UNIT, SUPPLY AIR CEILING DIFFUSER, DUCTWORK, etc.

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1.8 BALANCING AND TESTING

PASQUINI ENGINEERING INCORPORATED logo and contact information: 9303 H Street Suite 200, Bakersfield, CA 93304

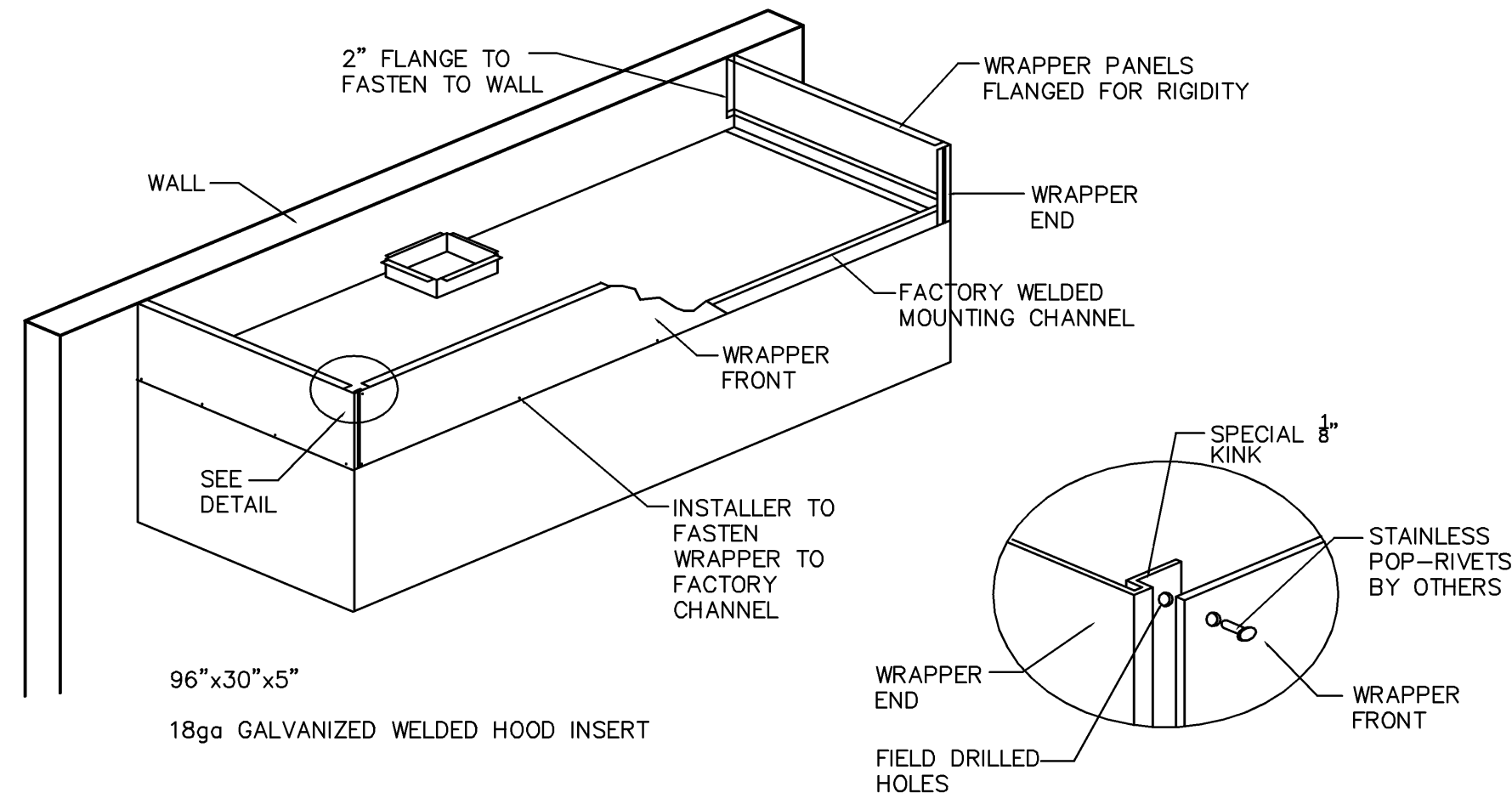
Table with columns NO. and DATE

Subway Store 12710 Downey, CA 90241 logo

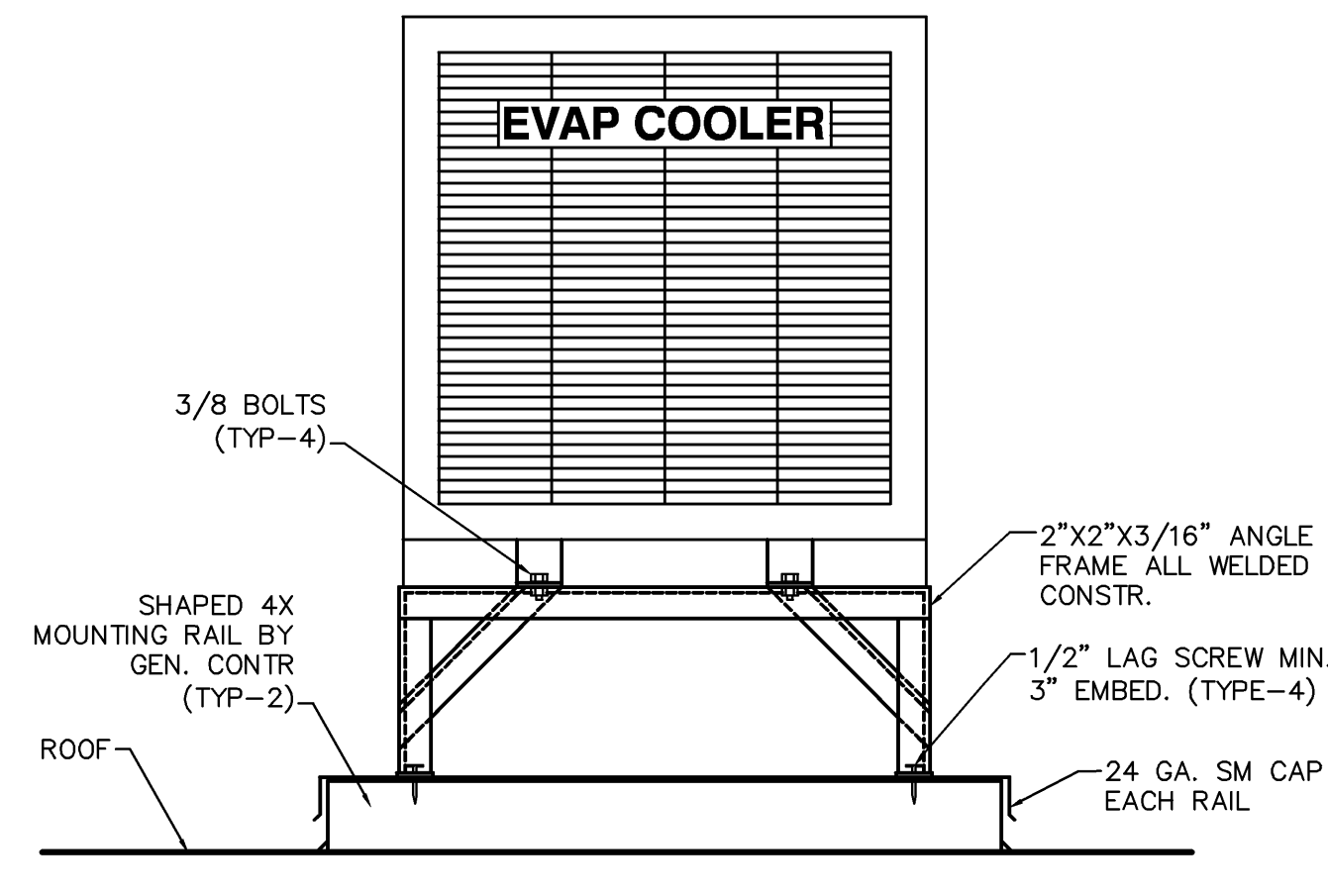
THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS A "WET STAMP & SIGNATURE" FROM BOTH THE ENGINEER OF RECORD AND A APPROVAL STAMP WITH A "WET STAMP & SIGNATURE" FROM THE LOCAL GOVERNING AGENCY ARE PRESENT.

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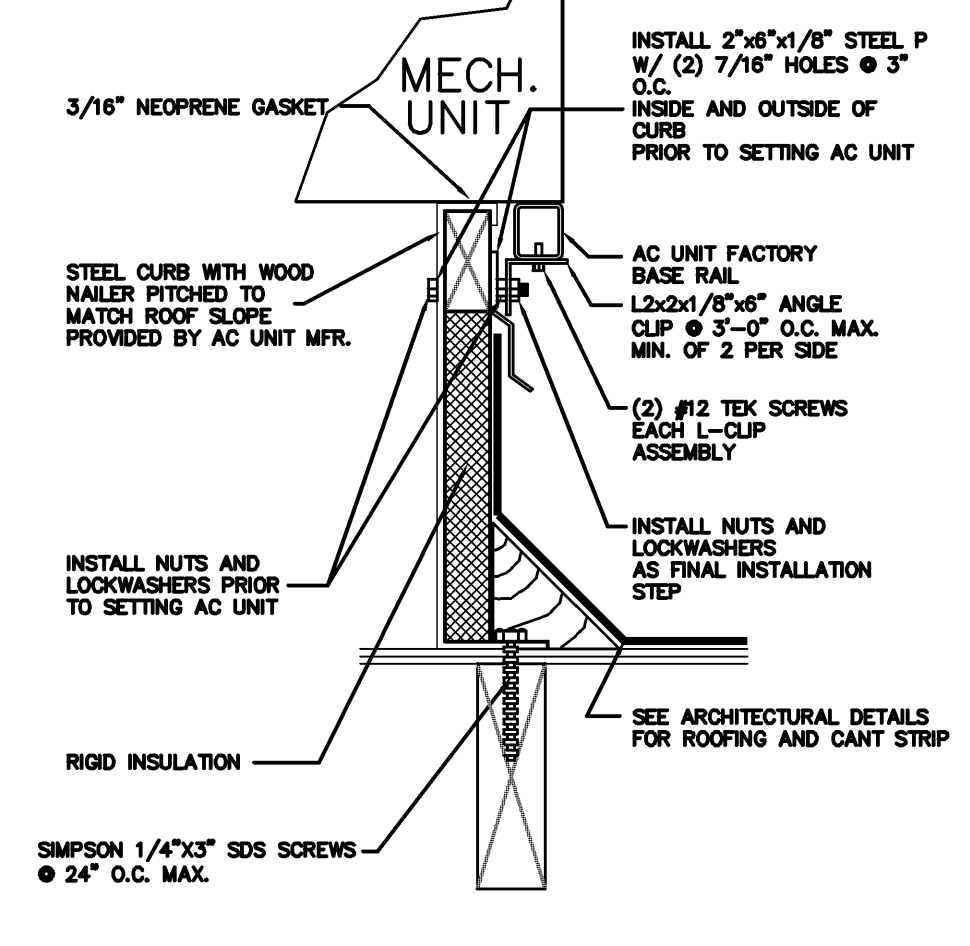
Sheet information: SHEET M-1 OF SHEET, EXP. 12/31/12



**2 TYPE II HOOD DTL**



**6 EVAP. COOLER MOUNTING DETAIL**



**5 MECH. CURB DETAIL**

AC 1 YORK 5 TON A/C UNIT MODEL # ZH061  
72,000 COOLING BTU, 3 PHASE 208-230, 2000 CFM

EF 1 96"x30" TYPE II HOOD LOW TEMP. HOOD AS PER 2010 CMC 508.4.1.5

EC 1 MAKE UP AIR COOLER - CHAMPION MODEL # N31D  
1000 CFM @ .5 STATIC PRESSURE  
MOTOR 3/4 HP 115 VOLTS 1725 RPM

**MAKE UP AIR CALCS.  
AIR BALANCE**

EF-1 = -1000 CFM  
MUA = +1000 CFM  
TOTAL = 0 NEUTRAL AIR BALANCE

EQUIPMENT SERVICED BY HOOD	
TURBO CHEF RAPID COOK OVEN	
NU-VU BREAD OVEN/PROOFER	

0-90 CFM	600 FPM	.08 LOSS PER 100FT	6" DIAMETER
90-200 CFM	600 FPM	.08 LOSS PER 100FT	8" DIAMETER
200-375 CFM	700 FPM	.08 LOSS PER 100FT	10" DIAMETER
375-600 CFM	800 FPM	.08 LOSS PER 100FT	12" DIAMETER
600-900 CFM	875 FPM	.08 LOSS PER 100FT	14" DIAMETER
900-1200 CFM	900 FPM	.08 LOSS PER 100FT	16" DIAMETER
1200-1600 CFM	900 FPM	.08 LOSS PER 100FT	18" DIAMETER
1600-2000 CFM	900 FPM	.08 LOSS PER 100FT	20" DIAMETER
2000-2400 CFM	900 FPM	.08 LOSS PER 100FT	22" DIAMETER

NOTES:  
1. ALL ELBOWS TO BE SMOOTH RADIUS  
2. ALL FITTINGS TO BE OF INDUSTRY STANDARD TYPE WITH COEFFICIENTS PUBLISHED IN MANUAL Q

**1 DUCT SIZING REQUIREMENTS**  
PER CHAPTER 6 C.M.C.

HOOD FAN TO DISCHARGE MINIMUM OF 10' FROM OUTLET TO ADJACENT BUILDING OR AIR INTAKES AND HOOD DISCHARGE TO BE A MINIMUM OF 40" ABOVE ROOF.

REGISTERS TO BE ANEMOSTAT OR EQUAL SUPPLY T-BAR CEILING-#RMD-FP  
SUPPLY HARD SURFACE-#RMD-S  
SUPPLY SIDE WALL-#S2HO  
RETURN/EXHAUST T-BAR CEILING-#GC50L  
RETURN/EXHAUST HARD SURFACE-#GC50  
RETURN/EXHAUST SIDE WALL-#S3HOD  
LINEAR DIFFUSER-#ALD-4

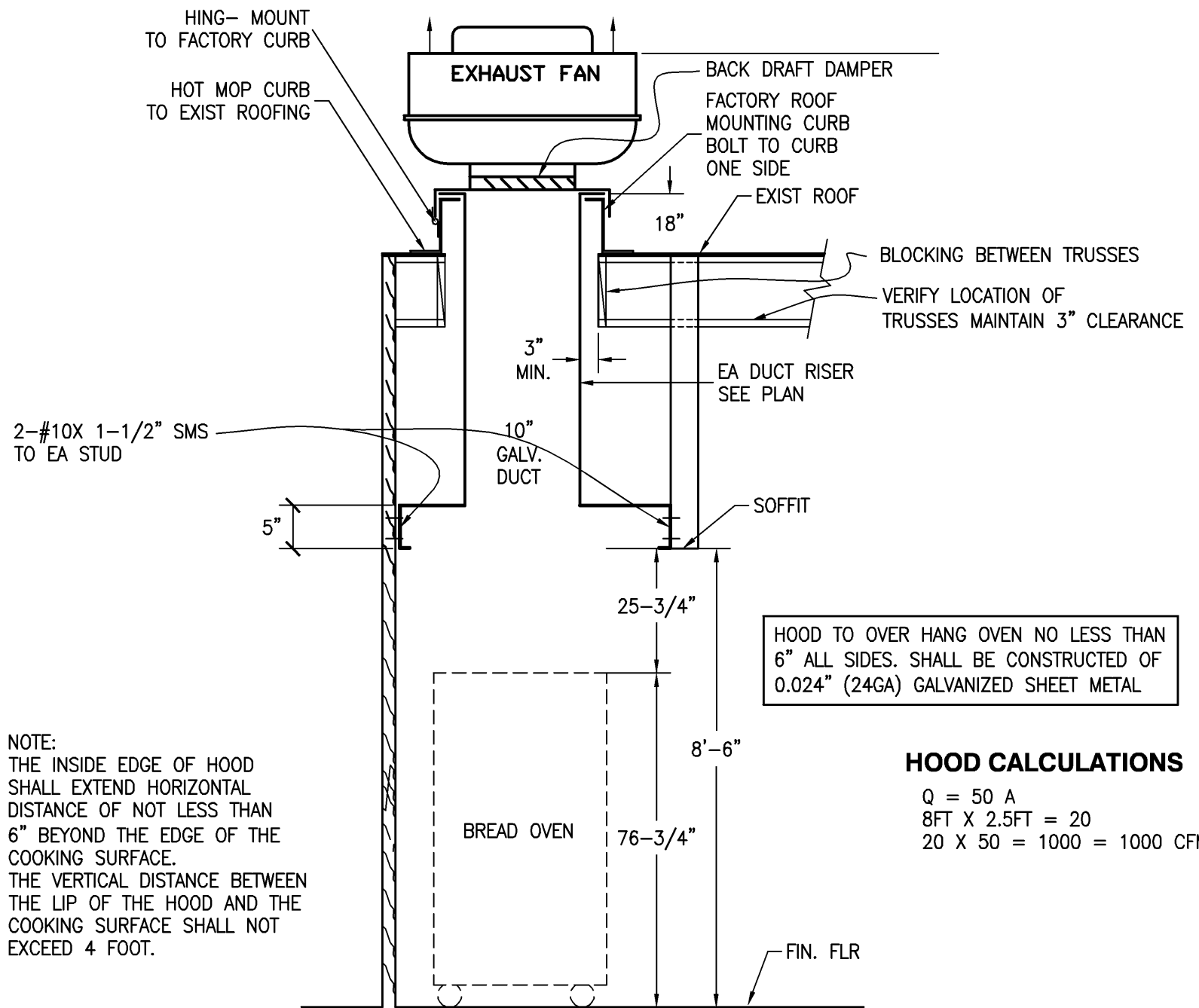
1. SEE PLAN FOR THROW AND SIZES.
2. COORDINATE REGISTER LOCATIONS w/LIGHTING AND ALL OTHER TRADES.
3. ALL REGISTERS TO HAVE OBD's.

**REGISTER LEGEND**

- SIZE CFM SAD - SUPPLY AIR DIFFUSER
- SIZE CFM RAG - RETURN AIR REGISTER
- SIZE CFM EAG - EXHAUST AIR REGISTER

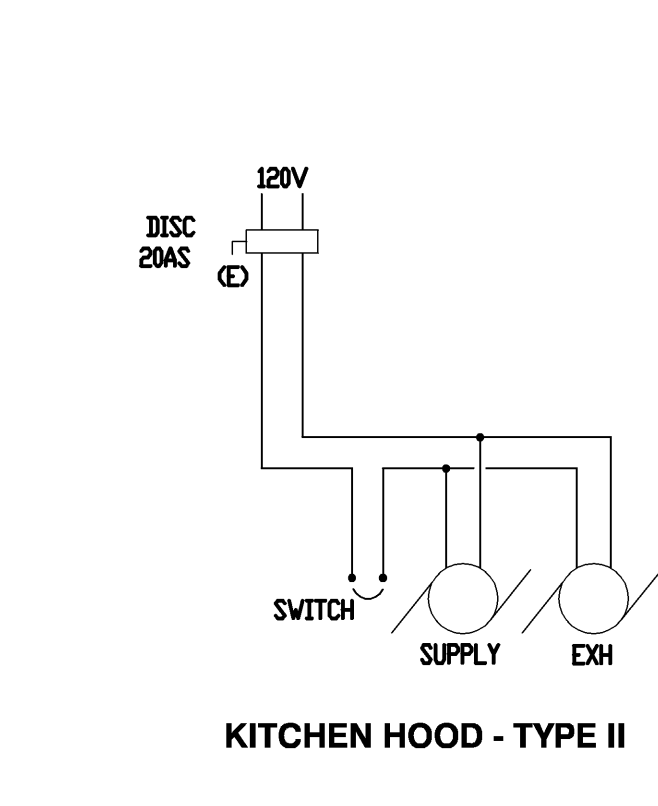
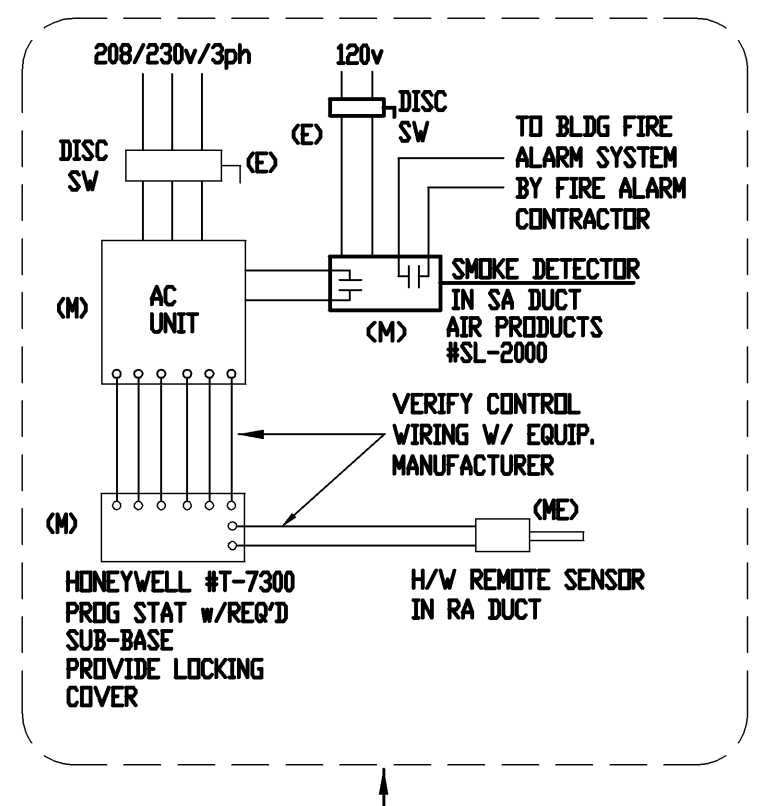
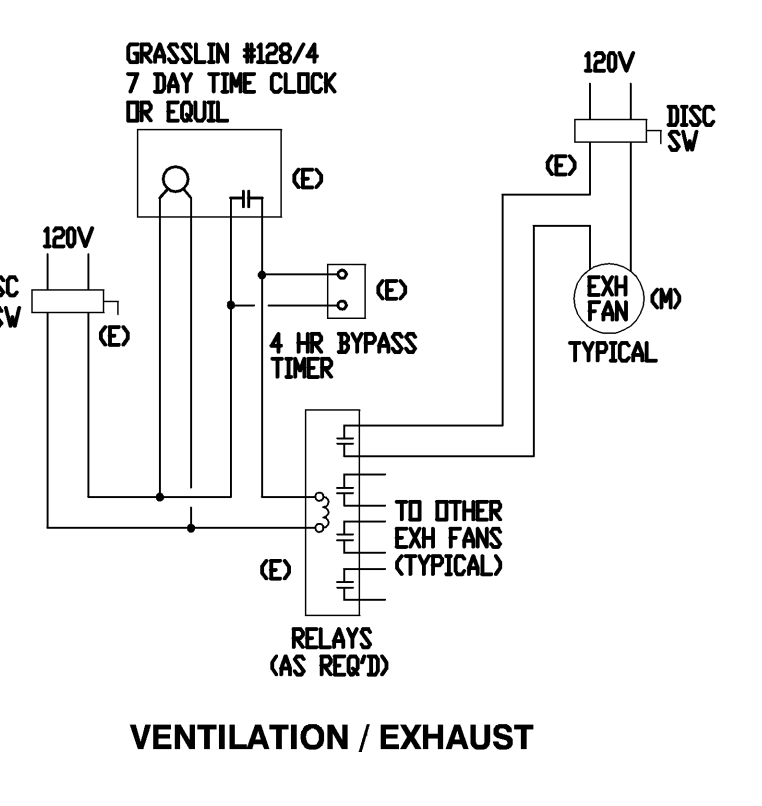
**MECHANICAL NOTES**

1. ALL GRILLES TO BE ANEMOSTAT RMD-FP GC50L
2. ALL DUCT WORK TO BE RIGID METAL IN EXPOSED CEILING AREAS
3. ALL DUCT WORK TO BE FLEX IN T-BAR AREAS
4. SEAL ALL JOINTS W/ HIGH PRESSURE DUCT SEALANT
5. INSULATE ALL DUCT WORK W/ 2" FOIL FACE FIBERGLAS
6. ALL HAND SINKS TO HAVE TEMPRING VALVE SET @ 110°F



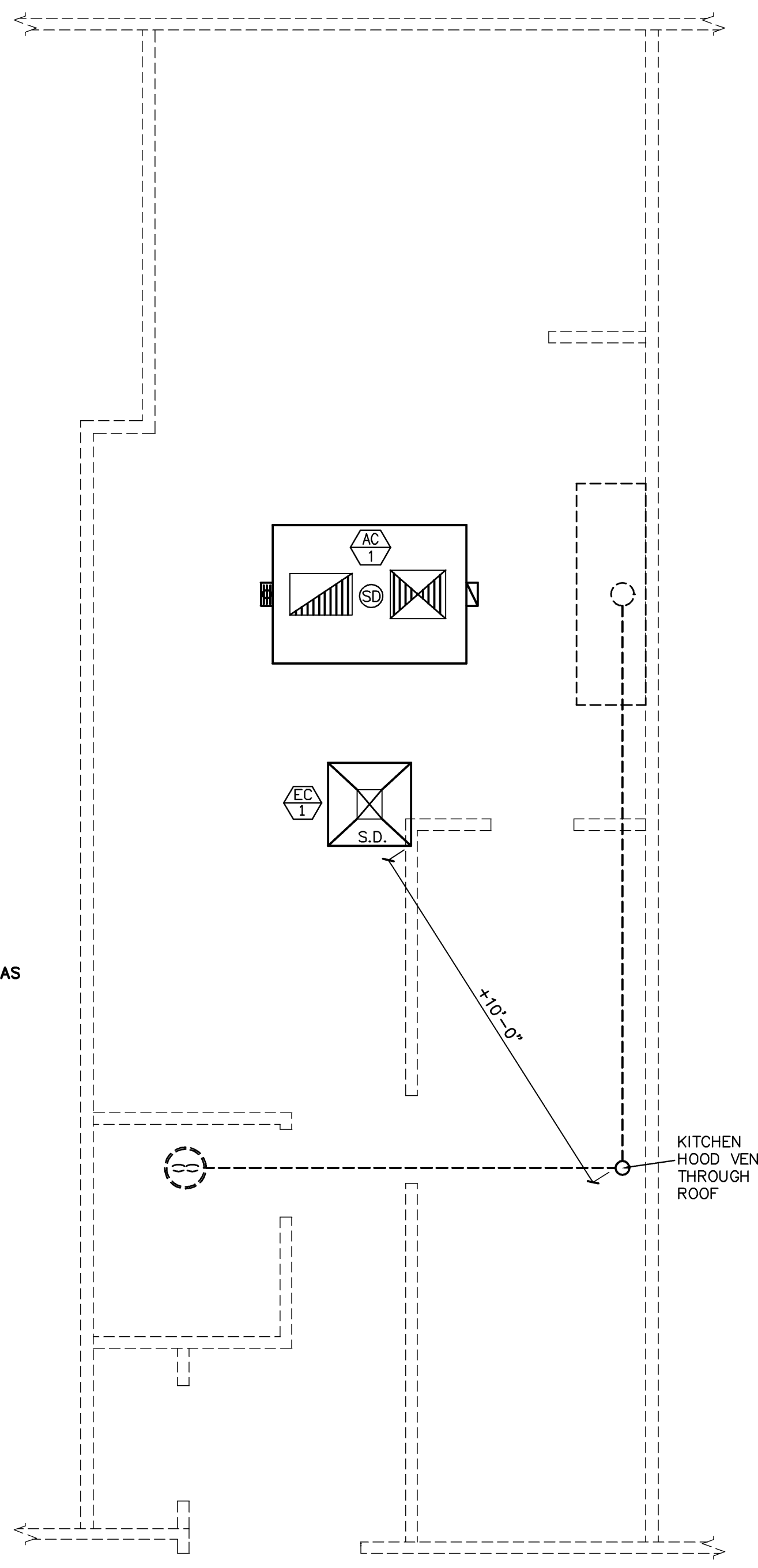
**4 KITCHEN HOOD - TYPE II** N.T.S.  
HOOD AT QSR-2 SIMILAR EXCEPT HOOD IS 24" FROM TOP OF OVEN

- NOTE:
1. SUPPLY AIR FAN TO BE WIRED TO RUN CONTINUOUS DURING OCCUPIED HOURS
  2. INTERLOCK RELATED EXHAUST FAN TO RUN AT THE SAME TIME AS THE UNIT SUPPLY FAN
  3. ALL CONTROL WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE DISC SW FURNISHED & INSTALLED BY MECHANICAL CONTRACTOR
  4. ALL POWER WIRING & CONDUIT INCLUDING LINE & LOW VOLTAGE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR
- LEGEND:
- E FURNISHED, INSTALLED, & WIRED BY ELECTRICAL CONTRACTOR
  - M FURNISHED, INSTALLED, & WIRED BY MECHANICAL CONTRACTOR
  - ME FURNISHED & INSTALLED BY MECHANICAL & WIRED BY ELECTRICAL



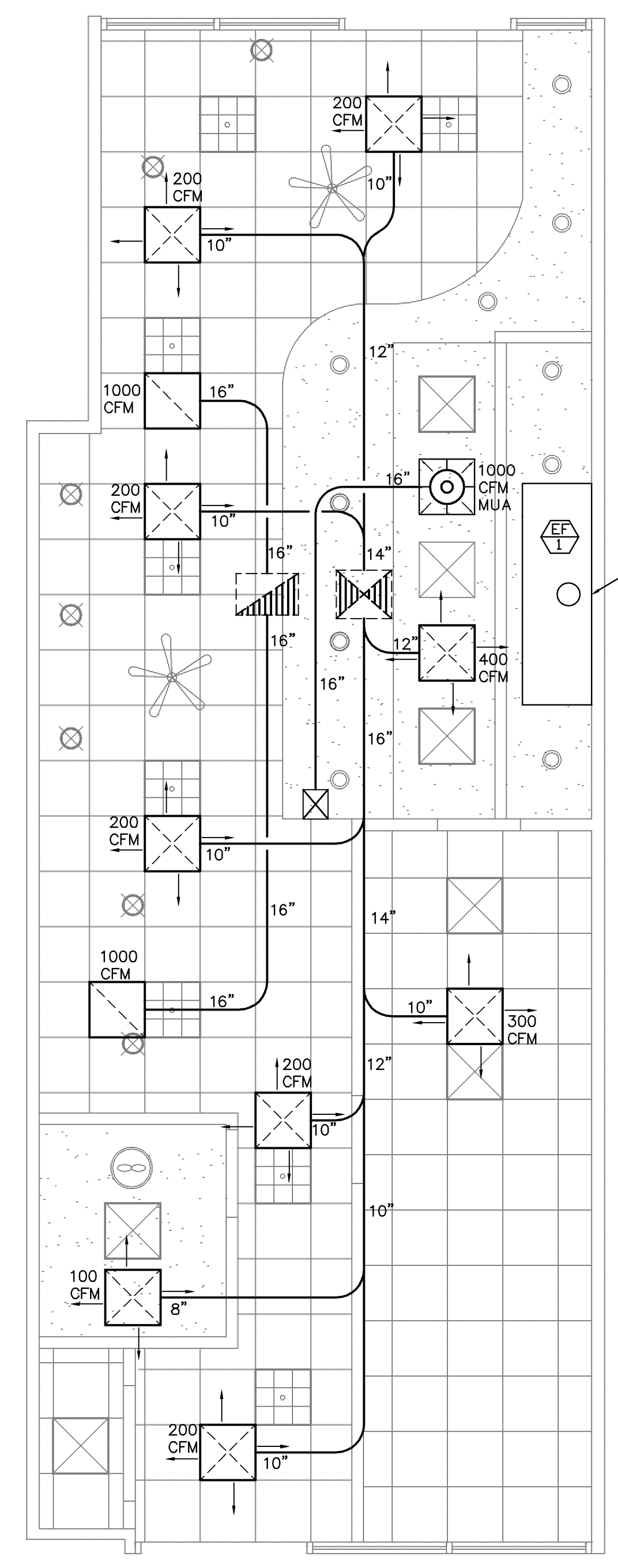
**3 CONTROL DIAGRAMS - TYP.**

N.T.S.



**MECHANICAL ROOF PLAN**

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



**MECHANICAL PLAN**

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

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DWG. BY	J.P.
CHK'D BY	
DATE	6/13/2011
JOB NO.	6384
FILE NO.	638422

EXP. 12/31/12

SHEET  
**M-2**  
OF SHEET

PLUMBING ABBREVIATIONS

Table of plumbing abbreviations including terms like AND ANGLE, CENTER LINE, AIR CONDITIONING, BOARD, BOARD FINISH FLOOR, BOARD FINISH GRADE, BUILDING BLOCKING, BEAM, BOTTOM BALL VALVE, BOARD, BOARD FINISH FLOOR, BOARD FINISH GRADE, BUILDING BLOCKING, BEAM, BOTTOM BALL VALVE, etc.

SYMBOLS

Table of plumbing symbols with columns for SYMBOL and DESCRIPTION, including BALL VALVE, BRANCH TOP CONNECTION, BRANCH BOTTOM CONNECTION, CAPPED PIPE, CHECK VALVE, CLEANOUT, CLEANOUT TO GRADE, CIRCULATING PUMP, CONDENSATE DRAIN, CONDENSATE "P" TRAP, DOMESTIC COLD WATER, DOMESTIC HOT WATER, DOMESTIC HOT WATER RETURN, EXISTING WASTE OR SOIL & WASTE, FIRE HYDRANT, FLOOR CLEANOUT, FLOOR SINK, GAS, GAS COCK, GAS PRESSURE REGULATOR, GATE VALVE, HOSE BIBB, PIPE RISER (ELBOW), PIPE DROP (ELBOW), PIPE DROP OR RISER, POINT OF CONNECTION, PROCESS WASTE, SHUT-OFF VALVE, SHUT-OFF VALVE IN YARDBOX, SOIL & WASTE, TRAP PRIMER, VENT, VENT OFFSET, VENT THRU ROOF, WALL CLEANOUT, WASTE, WATER HAMMER, etc.

GENERAL PLUMBING NOTES

SECTION 1 BASIC MECHANICAL MATERIALS AND METHODS PART 1 - GENERAL 1.1 SUMMARY A. LABOR, MATERIALS, TOOLS, AND SERVICES FOR A COMPLETE INSTALLATION OF EQUIPMENT AND SYSTEM CONTAINED IN THE CONTRACT DOCUMENTS. B. PRINCIPAL FEATURES OF THE WORK INCLUDED ARE: 1. PLUMBING SYSTEM AND RELATED PIPING INSULATION. 2. DOMESTIC WATER PIPING, VALVES, CONNECTIONS AND RELATED PIPING INSULATION. 3. LIMITED AREA FIRE PROTECTION (SPRINKLER SYSTEMS) 4. EXCAVATING AND BACKFILLING FOR MECHANICAL WORK, COORDINATE WITH APPROPRIATE TRADE. 5. ANCHOR BOLTS, SLEEVES, SUPPORTS AND SIMILAR ITEMS TO BE BUILT INTO CONCRETE OR MASONRY. 6. PREPARATION AND SUBMITTAL OF SHOP DRAWING AND PRODUCT DATA. 7. MAINTAINING A RECORD SET OF BLUE LINE PRINTS AND MAKING THEM TO INDICATE LOCATIONS OF CONCEALED ITEMS, AND DEVIATIONS MADE TO SUIT CONDITIONS AND PRODUCTION OF MECHANICAL AS-BUILT (RECORD) DRAWINGS. 1.2 JOB CONDITIONS A. SUBMITTAL OF BID IMPLIES BIDDER HAS READ APPLICABLE PARAGRAPHS OF THE SPECIFICATIONS AND WILL BE BOUND BY THEIR CONDITIONS. 1.3 LOCAL CONDITIONS A. CONFORM WITH LOCAL CONDITIONS. COORDINATE WITH LOCAL UTILITIES ON SIZE OF UTILITY SERVICE. 1.4 INTENT A. THE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) DESCRIBE THE PLUMBING WORK OF THIS PROJECT ANY ITEMS MENTIONED IN ONE PART SHALL BE AS BINDING AS THOUGH MENTIONED IN BOTH. B. THE CONTRACT DOCUMENTS FORM A GUIDE FOR A COMPLETE PLUMBING INSTALLATION. WHERE AN ITEM IS REASONABLY NECESSARY BUT NOT SPECIFICALLY MENTIONED, SUCH AS PIPING OFFSETS, DRAINS, ETC., FOR A COMPLETE SYSTEM, PROVIDE SAME. C. PLUMBING LAYOUTS INDICATED ON DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS OF PIPES, AND EQUIPMENT SHALL BE GOVERNED BY THE DRAWINGS OF RELATED TRADES. 1.5 DEVIATIONS A. NO DEVIATIONS FROM SPECIFICATIONS AND DRAWINGS SHALL BE MADE WITHOUT FULL KNOWLEDGE AND WRITTEN CONSENT OF CONSTRUCTION MANAGER. B. SHOULD CONTRACTOR FIND, DURING PROGRESS OF WORK, CONDITIONS WHICH DICTATE A MODIFICATION OF ANY PARTICULAR REQUIREMENTS, REPORT SUCH ITEM PROMPTLY FOR DECISION OF INSTRUCTIONS. 1.6 QUALITY ASSURANCE A. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES. B. COMPLY WITH APPLICABLE REQUIREMENTS OF RECOGNIZED INDUSTRY ASSOCIATIONS WITH PROMULGATE STANDARDS FOR THE VARIOUS TRADES. ( SEE INDIVIDUAL SECTIONS OF DIVISION 15 ) C. EMPLOY ONLY QUALIFIED JOURNEMEN FOR THIS WORK. EMPLOY COMPETENT, QUALIFIED PLUMBERS TO SUPERVISE THE WORK. 1.7 CODES AND STANDARDS A. PERFORM WORK SPECIFIED IN DIVISION 15 IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS LISTED BELOW, AND SUCH STANDARDS THAT MAY BE SPECIFIED IN OTHER SECTIONS. WHEN THESE SPECIFICATIONS ARE MORE STRINGENT, THEY TAKE PRECEDENCE. IN CASE OF CONFLICT, OBTAIN A DECISION FROM THE PLUMBING ENGINEER. 1. NFPA 54: NATIONAL FUEL AND GAS CODE. 2. NFPA 101: LIFE SAFETY CODE. 3. APPLICABLE STATE BUILDING CODE. 4. NATIONAL STANDARD PLUMBING CODE ( OR APPLICABLE STATE PLUMBING CODE). 5. HANDICAPPED CODE ANSI A117.1 AND ADA 6. APPLICABLE STATE ENERGY CODE. 7. AGA: AMERICAN GAS ASSOCIATION. 8. ANSI: AMERICAN NATIONAL STANDARDS INSTITUTE. 9. ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS. 10. MSS: MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTING INDUSTRY. 11. NEMA: NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION 12. NFPA: NATIONAL FIRE PROTECTION ASSOCIATION. 13. UL: UNDERWRITERS LABORATORIES, INC. 1.8 COORDINATION A. CAREFULLY EXAMINE SPECIFICATIONS AND DRAWINGS TO BE THOROUGHLY FAMILIAR WITH ITEMS WHICH REQUIRE PLUMBING AND COORDINATION. B. COORDINATE WITH OTHER DIVISIONS TO LEAVE PROPER CHASES AND OPENINGS. PLACE OUTLETS, ANCHORS, SLEEVES, AND SUPPORTS PRIOR TO POURING CONCRETE OF INSTALLATION OF MASONRY WORK. 1.9 SUBMITTALS A. SUBMITTALS ARE ONLY REQUIRED FOR SPECIFIC ITEMS OF EQUIPMENT OR MATERIAL LISTED IN INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. B. WITHIN 15 DAYS AFTER AWARD OF CONTRACT FOR THIS WORK, SUBMIT A LIST OF PROPOSED MANUFACTURERS (OF EQUIPMENT OR MATERIAL TO BE USED) FOR APPROVAL. SUBMIT THIS LIST BEFORE SUBMITTAL OF SHOP DRAWINGS AND PRODUCT DATA, AND OBTAIN APPROVAL BEFORE SUBMITTING REQUIRED ITEMS. C. SHOP DRAWINGS (NOT REQUIRED FOR OWNER FURNISHED EQUIPMENT). 1.10 DELIVERY AND STORAGE A. INSOFAR AS POSSIBLE, DELIVER ITEMS IN MANUFACTURER'S ORIGINAL UNOPENED PACKAGING. WHERE THAT IS NOT PRACTICAL, COVER ITEMS WITH PROTECTIVE MATERIALS TO KEEP THEM FROM BEING DAMAGED. USE CARE IN LOADING, TRANSPORT, UNLOADING, AND STORAGE TO KEEP ITEMS FROM BEING DAMAGED. 1.11 FIRE RATINGS A. MATERIALS USED ANYWHERE IN THE WORK MUST HAVE NFPA RATINGS AS FOLLOWING: 1. FLAME SPREAD - NOT OVER 25 2. SMOKE DEVELOPED - NOT OVER 50 3. FUEL CONTRIBUTED - NOT OVER 25 B. MATERIALS SHALL BE "SELF EXTINGUISHING". PART 2 - PRODUCTS 2.1 DESCRIPTION A. SOIL, WASTE, AND VENT PIPING BELOW FLOOR TO 5'-0" OUTSIDE BUILDING; STANDARD WEIGHT COATED CAST IRON SOIL PIPE AND CAST IRON/ NEOPRENE GASKET FITTINGS. YARD PIPING, PIPE AND FITTINGS. A.B.S. OR P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE INSTALLED, AS APPROVED BY LOCAL AUTHORITY IN CONCEALED LOCATIONS ONLY. EXCEPTION: ALL SOIL, WASTE & VENTS LOCATED WITHIN A FIRE RATED WALL SHALL BE METALLIC(STEEL, CAST IRON ETC., NOT PVC) IT SHALL BE THE RESPONSIBILITY OF THE PLUMBER TO VERIFY ALL FIRE RATED WALLS & CONSTRUCTION AS SHOWN ON THE ARCHITECTURAL DRAWINGS & COORDINATE WITH THE GENERAL CONTRACTOR B. SOIL, WASTE AND VENT PIPING ABOVE FLOOR; STANDARD WEIGHT COATED CAST IRON PIPE AND STAINLESS STEEL/ NEOPRENE GASKET FITTING, OR A.B.S. OR P.V.C. SCHEDULE 40, AS APPROVED BY LOCAL AUTHORITY IN CONCEALED LOCATIONS. C. HOT & COLD WATER PIPING ABOVE FLOOR; TYPE "L" COPPER, HARD DRAWN. BELOW GROUND OUTSIDE OF BUILDING; TYPE "K" SOFT DRAWN COPPER TUBING WITH OUT JOINTS. D. CONDENSATE DRAIN PIPING; TYPE "M" COPPER WITH 95-5 TIN ANTIMONY SOLDER AND WROUGH COPPER FITTINGS OR P.V.C. SCHEDULE 40, AS APPROVED BY LOCAL AUTHORITY. E. INDIRECT WASTE PIPING; TYPE "M" COPPER WITH 95-5 TIN ANTIMONY SOLDER AND WROUGHT COPPER FITTINGS OR P.V.C. SCHEDULE 40, AS APPROVED BY LOCAL AUTHORITY. F. UNDERGROUND GAS PIPING; SCHEDULE 40 BLACK STEEL PIPE WITH LONG RADIUS STEEL WELDING FITTINGS INCLUDING CATHOLIC PROTECTION OR POLYETHYLENE AS APPROVED BY LOCAL GAS COMPANY AND AUTHORITY HAVING JURISDICTION. INSTALLATION OF GAS SERVICE PIPING IN VENTED CONDUIT AND MEETING WITH THE LOCAL GAS COMPANY'S APPROVAL. G. GAS PIPING ABOVE GROUND; SCHEDULE 40 BLACK STEEL WITH 125 POUND BLACK MALLEABLE IRON SCREWED FITTINGS. GAS PIPING COMPOUND AT JOINTS IN COMPLIANCE WITH NFPA BULLEIN #45 AND LOCAL APPLICABLE CODES AND SUITABLE FOR NATURAL GAS SERVICE. INSTALL MOISTURE TRAPS ON HVAC UNITS, WATER HEATERS, AND KITCHEN EQUIPMENT H. STORM PIPING BELOW GROUND; STANDARD WEIGHT COATED CAST IRON PIPE AND STAINLESS STEEL/ NEOPRENE GASKET FITTING, OR A.B.S. OR P.V.C. SCHEDULE 40, AS APPROVED BY LOCAL AUTHORITY. I. STORM PIPING ABOVE GROUND; STANDARD WEIGHT COATED CAST IRON PIPE AND STAINLESS STEEL/ NEOPRENE GASKET FITTING, OR A.B.S. OR P.V.C. SCHEDULE 40, AS APPROVED BY LOCAL AUTHORITY. J. TRAPS AND VENTS FOR SERVICE SINK; A.B.S. OR P.V.C. SCHEDULE 40, AS APPROVED BY LOCAL AUTHORITY. K. INSULATE ALL HOT AND COLD WATER COPPER PIPING WITH AT LEAST 1/2" THICK FOAM RUBBER OR FOAM PLASTIC TYPE PIPE INSULATION L. ALL FIXTURES; AS INDICATED ON DRAWINGS WITH EQUAL PRODUCTS FURNISHED BY AMERICAN STANDARD, KOHLER, ELJER OR EQUAL. M. CLEANOUTS, FLOOR DRAINS, FLOOR SINKS, AND ROOF DRAINS. N. ALL ACCESSORIES, AS INDICATED ON DRAWING WITH EQUAL PRODUCTS FURNISHED BY WADE, JOSAM, OR ZURN BEING ACCEPTABLE. O. SHUTOFF VALVES UNDERNEATH LAVATORIES, TANK TYPE WATER CLOSETS, AND KITCHEN EQUIPMENT WITH CHROME PLATED ANGLE STOP VALVES WITH CHROME PLATED ESCUTCHEON PLATES. P. HOSE BIBBS - AS SCHEDULED ON DRAWINGS. Q. VACUUM BREAKERS - AS SCHEDULED ON DRAWINGS. R. BACKFLOW PREVENTERS - AS SCHEDULED ON DRAWINGS. S. GAS COCK - PLUG VALVE IRON BODY, BRONZE TAPERED PLUG, LUBRICATED, THREADED ENDS. RATED FOR 200 CWP, AGA AND UL LISTED. T. REPAIR OR REPLACE ROUTINE DAMAGE CAUSED BY CUTTING IN PERFORMANCE OF CONTRACT. U. PERFORM REPAIRS WITH MATERIALS WHICH MATCH EXISTING AND INSTALL IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THESE SPECIFICATIONS OR THE BEST STANDARDS OF THE INDUSTRY. V. CONNECT OR INSTALL EQUIPMENT SHOWN ON MECHANICAL DRAWINGS THAT REQUIRE PLUMBING W. ROUGH - IN PIPING AND CONNECT EQUIPMENT X. PROVIDE PIPING, SHUTOFF VALVES, AND UNIONS REQUIRED FOR A COMPLETE INSTALLATION. Y. EMPLOY COMPETENT, QUALIFIED PERSONNEL IN OPERATION OF THE EQUIPMENT. Z. PROVIDE FOR PROPER OPERATION AND CLEANLINESS. END OF SECTION SECTION 2 PLUMBING PART 1 - GENERAL 1.1 SCOPE OF WORK A. FURNISHING OF ALL LABOR, MATERIALS, TOOLS, TRANSPORTATION, SERVICE, AND RELATED ITEMS NECESSARY TO COMPLETE THE INSTALLATION OF THE PLUMBING SYSTEM AS ILLUSTRATED ON THE DRAWING AND AS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: 1. HOT & COLD WATER SYSTEM WITH COMPLETE CONNECTIONS FROM METER TO ALL PLUMBING FIXTURES & EQUIPMENT REQUIRING WATER CONNECTIONS 2. SOIL, WASTE, VENT AND CONDENSATE SYSTEM LINES INSIDE AND OUTSIDE THE BUILDING. 3. TRENCHING AND BACKFILLING. 4. FINAL PLUMBING CONNECTIONS TO HEATING AND AIR CONDITIONING EQUIPMENT. 5. GAS PIPING TO HEATING, WATER HEATERS AND ALL OTHER GAS BURNING EQUIPMENT. PART 2 - PRODUCTS 2.1 DESCRIPTION A. SOIL, WASTE, AND VENT PIPING BELOW FLOOR TO 5'-0" OUTSIDE BUILDING; STANDARD WEIGHT COATED CAST IRON SOIL PIPE AND CAST IRON/ NEOPRENE GASKET FITTINGS. YARD PIPING, PIPE AND FITTINGS. A.B.S. OR P.V.C. 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STORM PIPING ABOVE GROUND; STANDARD WEIGHT COATED CAST IRON PIPE AND STAINLESS STEEL/ NEOPRENE GASKET FITTING, OR A.B.S. OR P.V.C. SCHEDULE 40, AS APPROVED BY LOCAL AUTHORITY. J. TRAPS AND VENTS FOR SERVICE SINK; A.B.S. OR P.V.C. SCHEDULE 40, AS APPROVED BY LOCAL AUTHORITY. K. INSULATE ALL HOT AND COLD WATER COPPER PIPING WITH AT LEAST 1/2" THICK FOAM RUBBER OR FOAM PLASTIC TYPE PIPE INSULATION L. ALL FIXTURES; AS INDICATED ON DRAWINGS WITH EQUAL PRODUCTS FURNISHED BY AMERICAN STANDARD, KOHLER, ELJER OR EQUAL. M. CLEANOUTS, FLOOR DRAINS, FLOOR SINKS, AND ROOF DRAINS. N. ALL ACCESSORIES, AS INDICATED ON DRAWING WITH EQUAL PRODUCTS FURNISHED BY WADE, JOSAM, OR ZURN BEING ACCEPTABLE. O. SHUTOFF VALVES UNDERNEATH LAVATORIES, TANK TYPE WATER CLOSETS, AND KITCHEN EQUIPMENT WITH CHROME PLATED ANGLE STOP VALVES WITH CHROME PLATED ESCUTCHEON PLATES. P. HOSE BIBBS - AS SCHEDULED ON DRAWINGS. Q. VACUUM BREAKERS - AS SCHEDULED ON DRAWINGS. R. BACKFLOW PREVENTERS - AS SCHEDULED ON DRAWINGS. S. GAS COCK - PLUG VALVE IRON BODY, BRONZE TAPERED PLUG, LUBRICATED, THREADED ENDS. RATED FOR 200 CWP, AGA AND UL LISTED. T. REPAIR OR REPLACE ROUTINE DAMAGE CAUSED BY CUTTING IN PERFORMANCE OF CONTRACT. U. PERFORM REPAIRS WITH MATERIALS WHICH MATCH EXISTING AND INSTALL IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THESE SPECIFICATIONS OR THE BEST STANDARDS OF THE INDUSTRY. V. CONNECT OR INSTALL EQUIPMENT SHOWN ON MECHANICAL DRAWINGS THAT REQUIRE PLUMBING W. ROUGH - IN PIPING AND CONNECT EQUIPMENT X. PROVIDE PIPING, SHUTOFF VALVES, AND UNIONS REQUIRED FOR A COMPLETE INSTALLATION. Y. EMPLOY COMPETENT, QUALIFIED PERSONNEL IN OPERATION OF THE EQUIPMENT. Z. PROVIDE FOR PROPER OPERATION AND CLEANLINESS. END OF SECTION

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Table with columns NO. and DATE

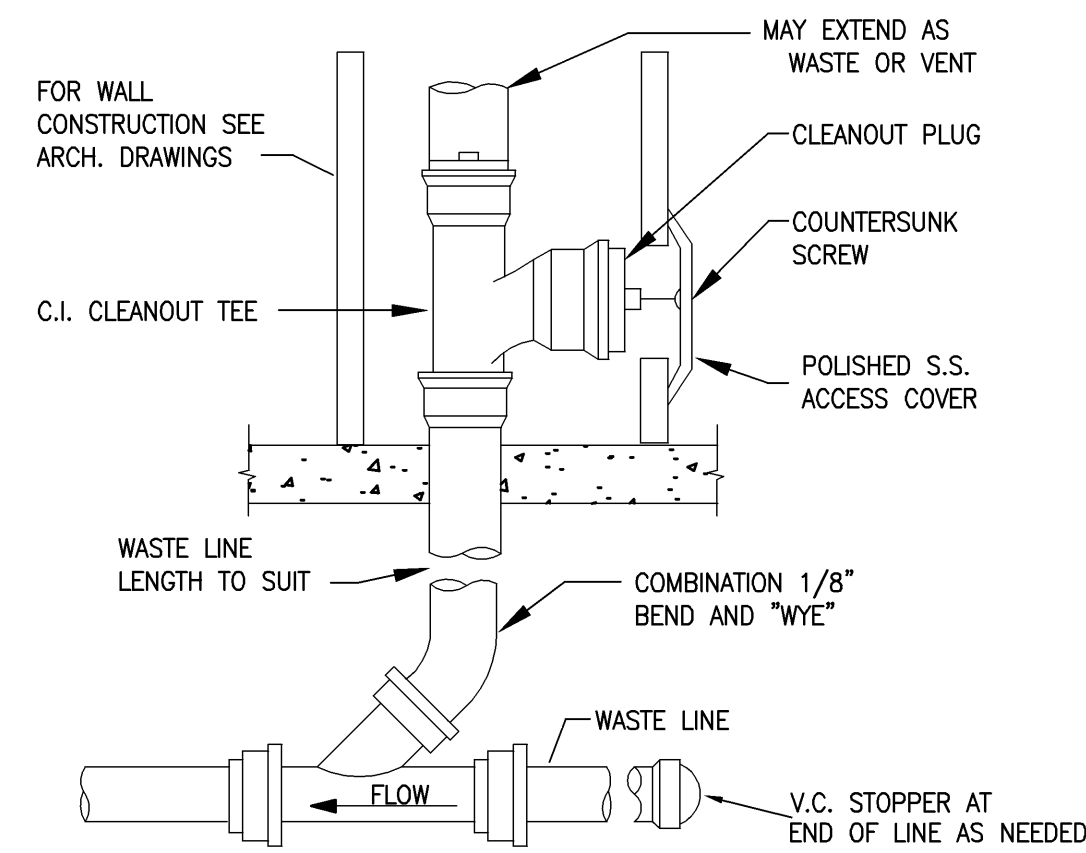
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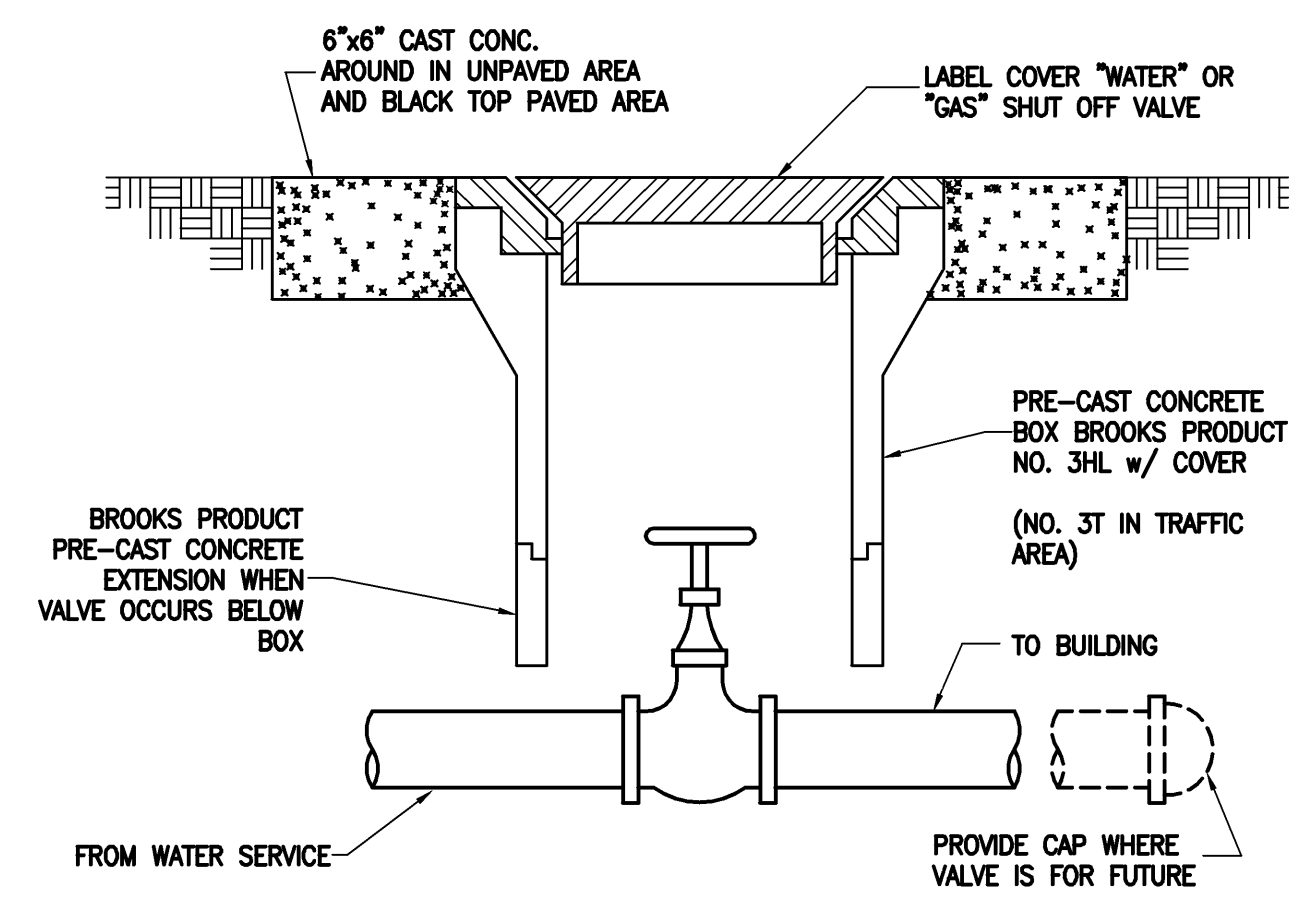
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**8 WALL CLEANOUT TYPICAL**



**5 SHUT-OFF VALVE IN YARDBOX**

**REDUCER SCHEDULE**

REDUCER SIZE	AREA REQ'D	THRUST BLOCK SIZE
12X10	3.5 s.f.	1.9'x1.9'
12X8	6.3 s.f.	2.5'x2.5'
12X6	8.5 s.f.	2.9'x2.9'
10X8	2.8 s.f.	1.8'x1.7'
10X6	5.0 s.f.	2.2'x2.2'
8X6	2.2 s.f.	1.5'x1.5'

**VALVE ANCHOR SCHEDULE**

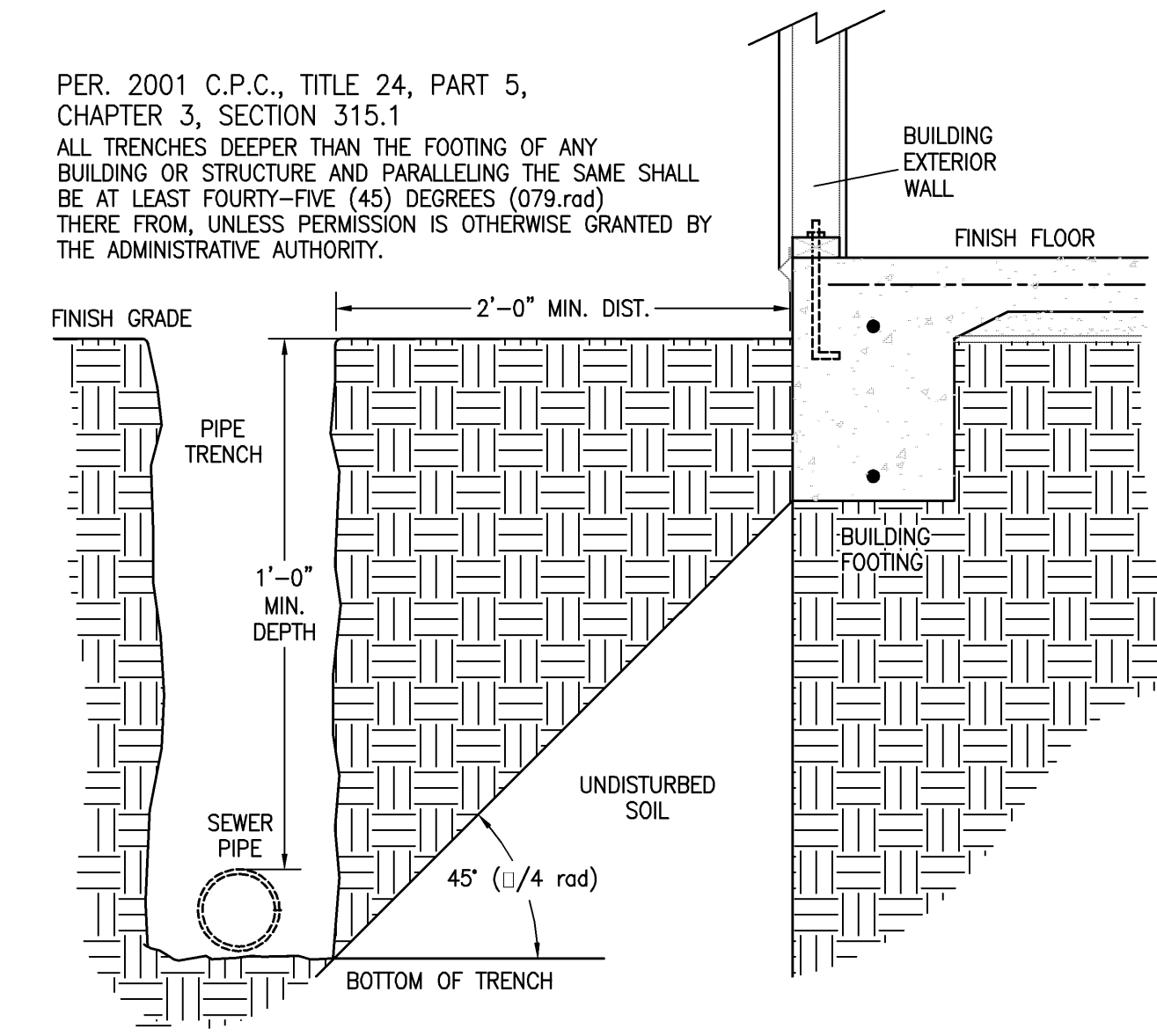
VALVE SIZE	AREA REQ'D	THRUST BLOCK SIZE
12	11.3 s.f.	3.4'x3.4'
10	7.9 s.f.	2.8'x2.8'
8	5.0 s.f.	2.2'x2.2'
6	2.8 s.f.	1.7'x1.7'

**THRUST BLOCK SCHEDULE**

PIPE SIZE	BEARING AREA IN SQ. FT.			
	TEE OR PLUG	90° ELL OR HYDRANT	45° ELL	22-1/2° ELL
4"	2	2	2	1
6"	3	4	2	2
8"	5	7	4	2
10"	8	11	6	3
12"	11	16	8	4

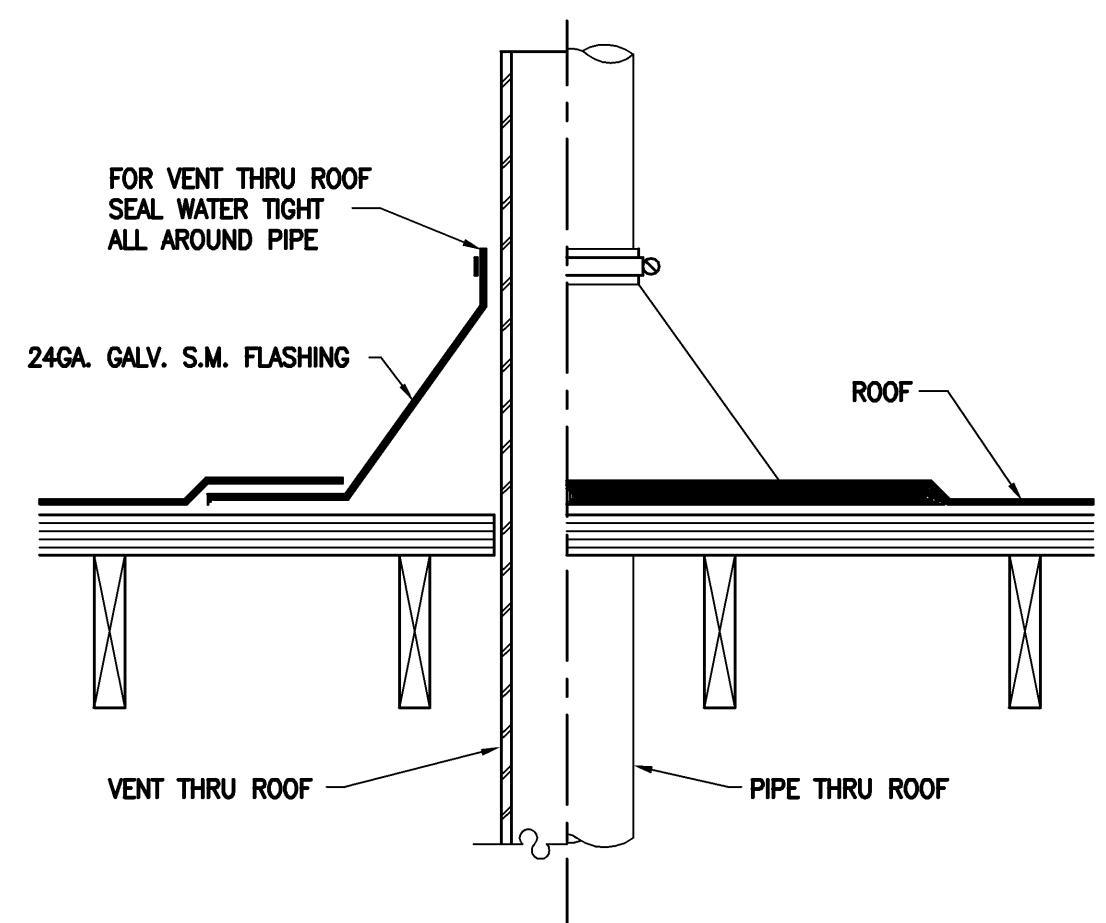
NOTES:  
 ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL. CONCRETE SHALL BE PLACED BEHIND BELLS OF FITTINGS.  
 BEARING AREAS SHOWN IN TABLE ARE BASED ON ALLOWABLE SOIL PRESSURE OF 1500 P.S.F. KEEP CONCRETE AWAY FROM BELLS.

**3 THRUST BLOCK LOCATIONS**

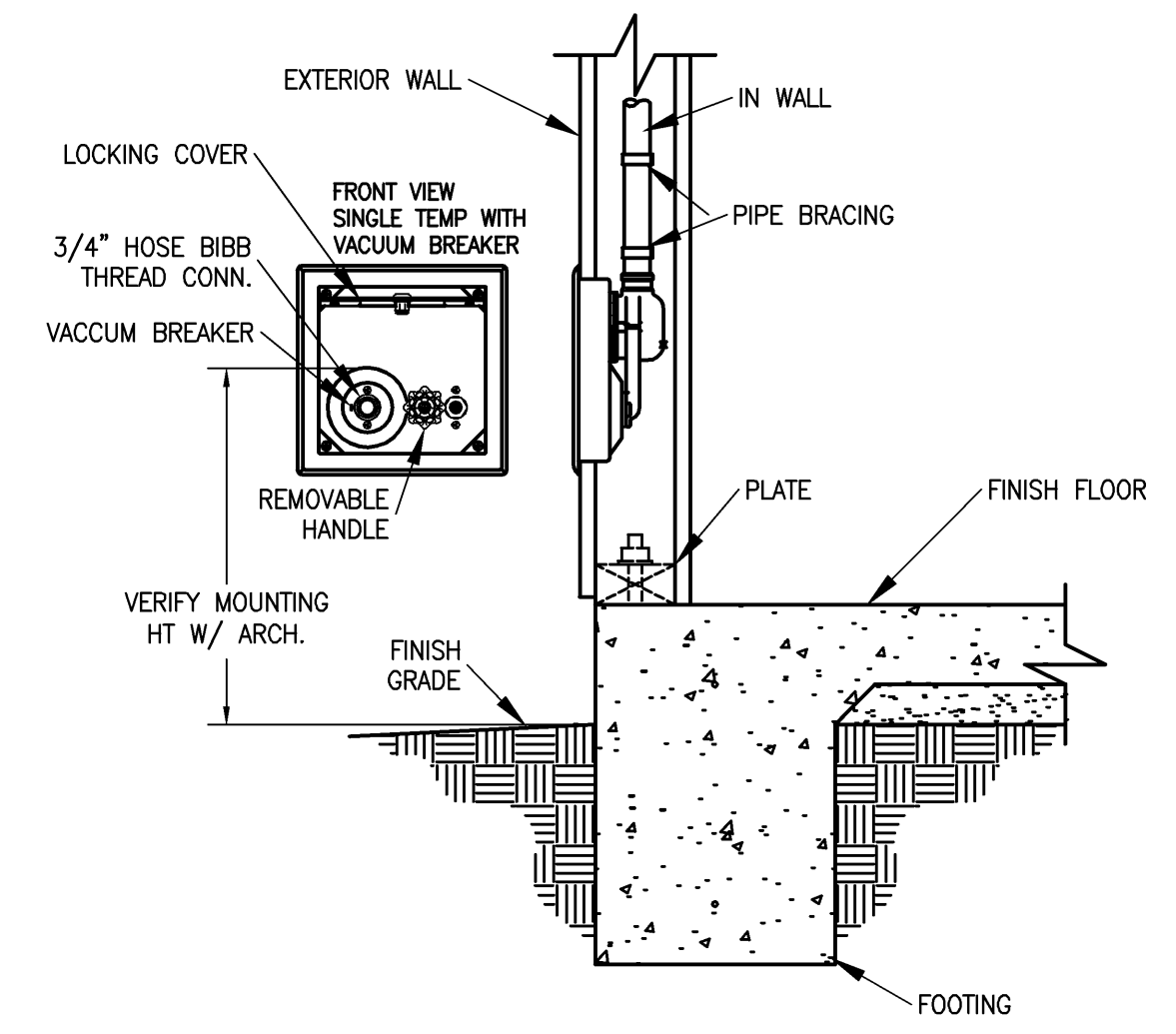


**4 LOCATION OF PIPING TRENCH**

VENT THRU ROOF TO TERMINATE NOT LESS THAN (10) FEET FROM OR AT LEAST (3) FEET ABOVE ANY WINDOW, DOOR, OPENING, AIR-INTAKE OR VENT SHAFT, NOR LESS THAN (3) FEET IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY AND STREET EXCEPTED.

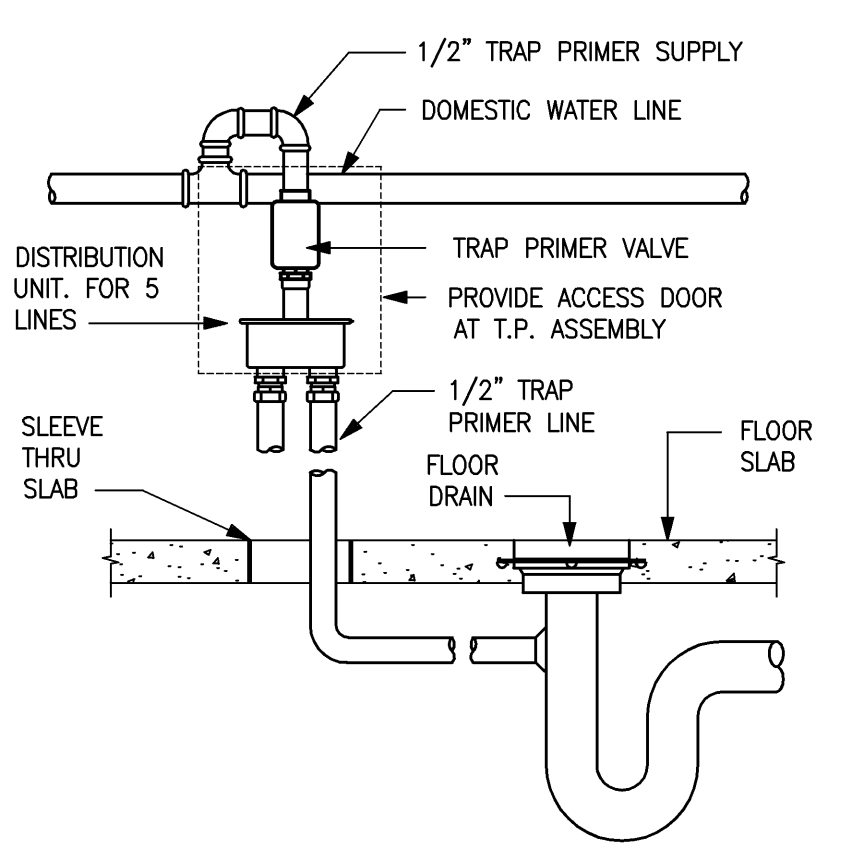


**9 VENT/PIPE THRU ROOF - TYP**

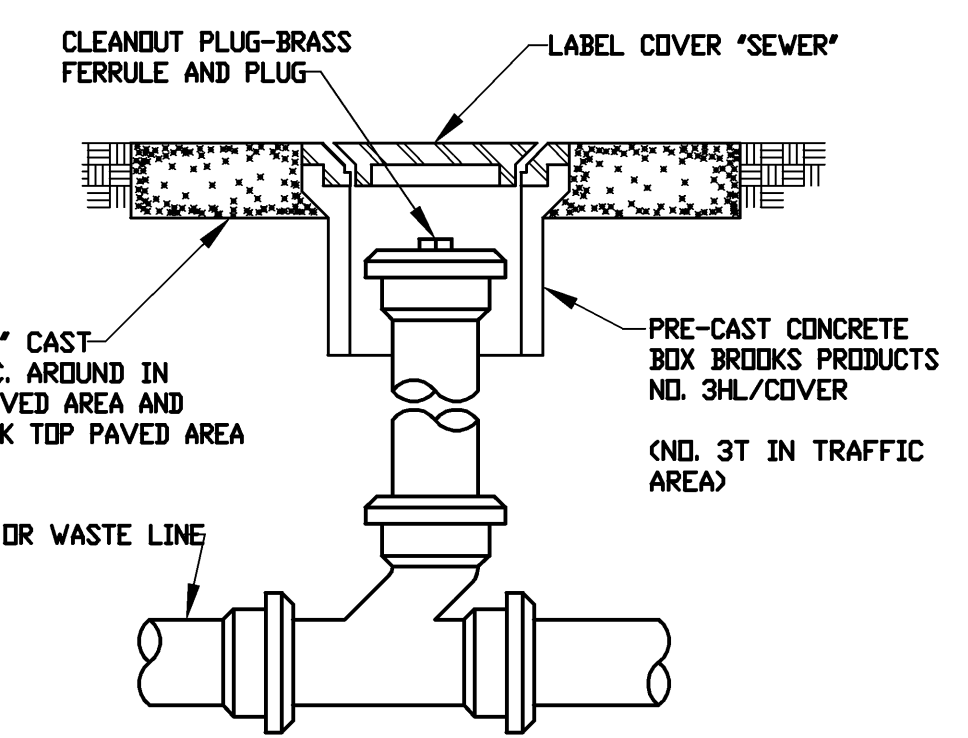


**6 EXTERIOR HOSE BIBB - TYP.**

NOTE:  
 1. FITTINGS FOR CLEANOUT SHALL BE SUITABLE FOR PIPE MATERIALS USED  
 2. 2-WAY COTG IS SIMILAR INSTALL 2 GOTG IN OPPOSING FLOW DIRECTIONS - TYP.

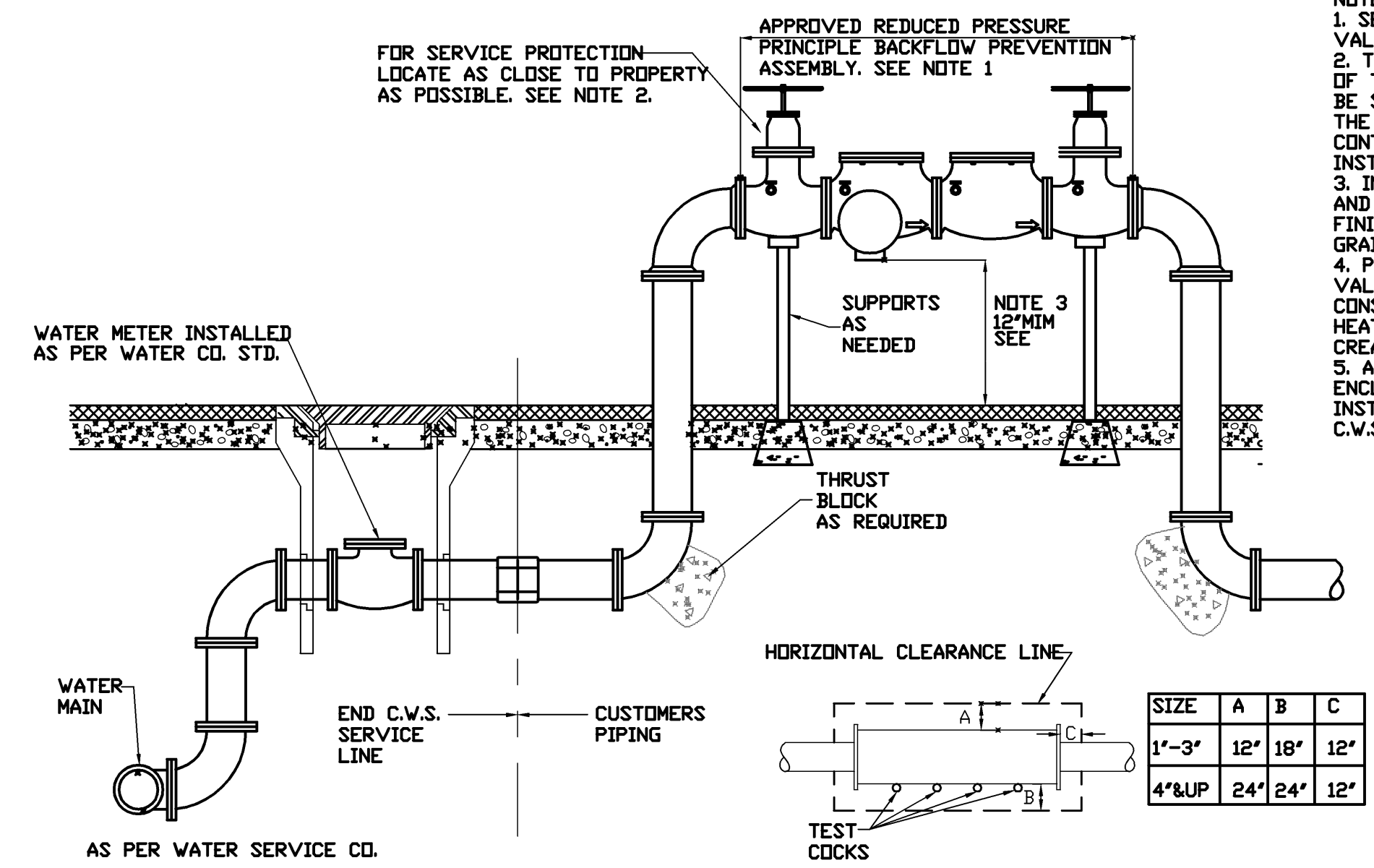


**10 TRAP PRIMER SCHEMATIC**



**7 CLEAN-OUT TO GRADE**

NOTES:  
 1. SEE C.V.S. APPROVED LIST OF VALVES.  
 2. THE LOCATION AND INSTALLATION OF THE APPROVED ASSEMBLY SHALL BE SUBJECT TO THE APPROVAL OF THE DISTRICT CROSS-CONNECTION CONTROL SUPERVISOR PRIOR TO INSTALLATION.  
 3. INSTALL UNIT A MINIMUM OF 12" AND A MAXIMUM OF 36" ABOVE FINISHED GRADE OF THE SURROUNDING GRADE NOT SUBJECT TO FLOODING.  
 4. PRESSURE/TEMPERATURE RELIEF VALVE INSTALLATION SHOULD BE CONSIDERED WHERE HOT WATER HEATING SYSTEMS OR EQUIPMENT MAY CREATE EXCESSIVE WATER PRESSURE.  
 5. APPROVED PROTECTIVE ENCLOSURES WHERE REQUIRED MAY BE INSTALLED IN ACCORDANCE WITH C.V.S. REQUIREMENTS.



**1 BACKFLOW PREVENTER & WATER METER**

SIZE	A	B	C
1'-3"	12"	18"	12"
4" & UP	24"	24"	12"

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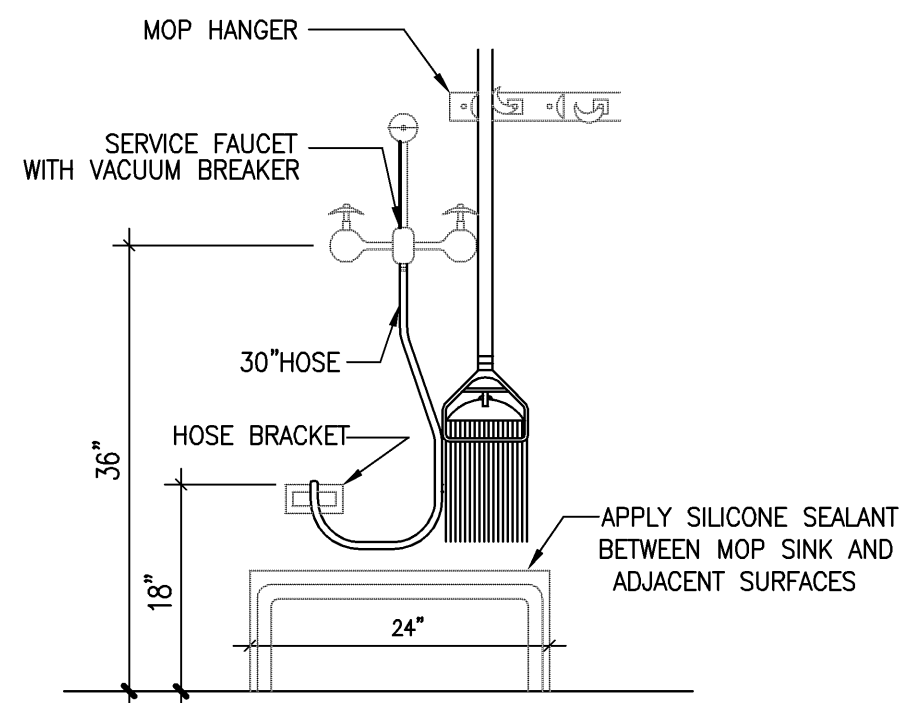
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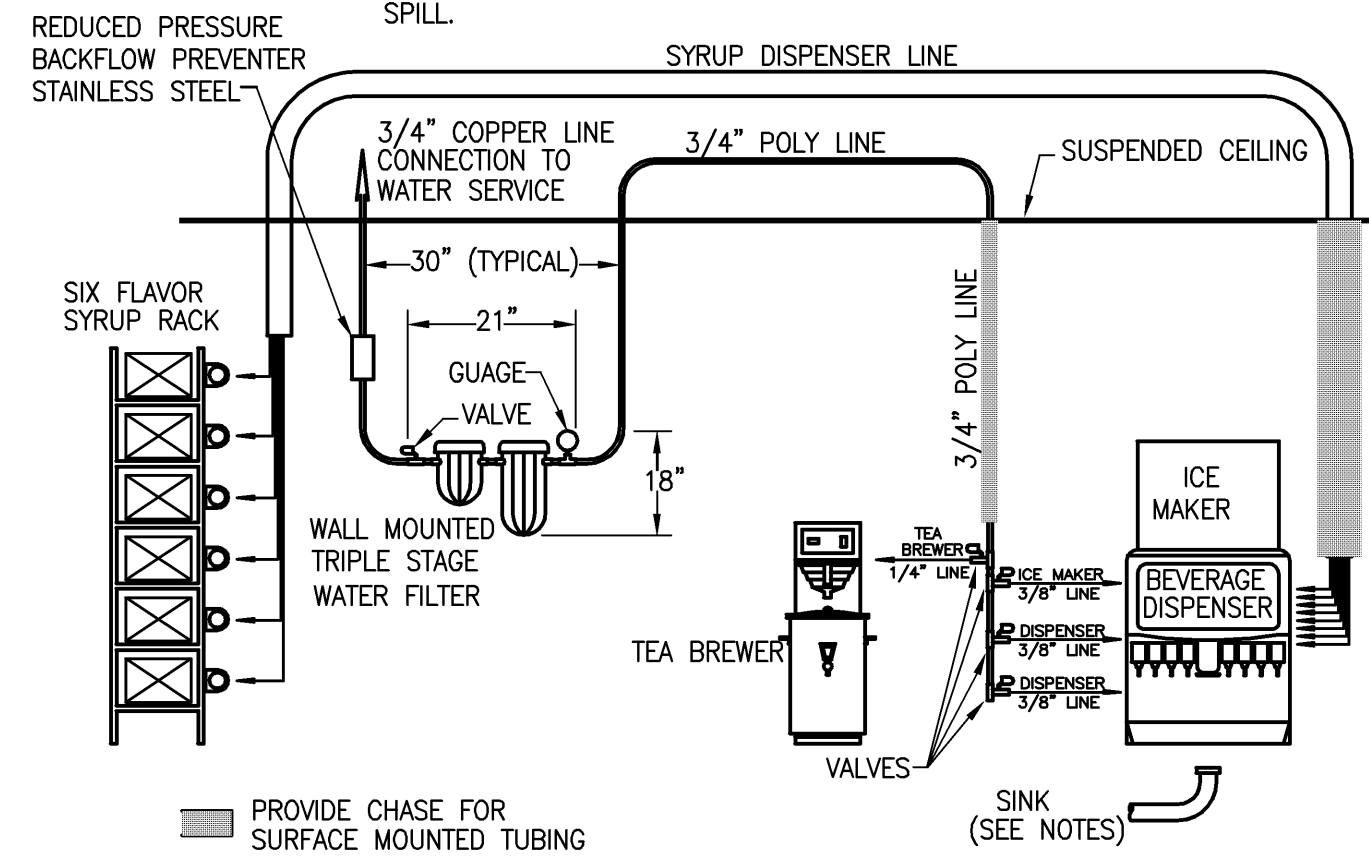
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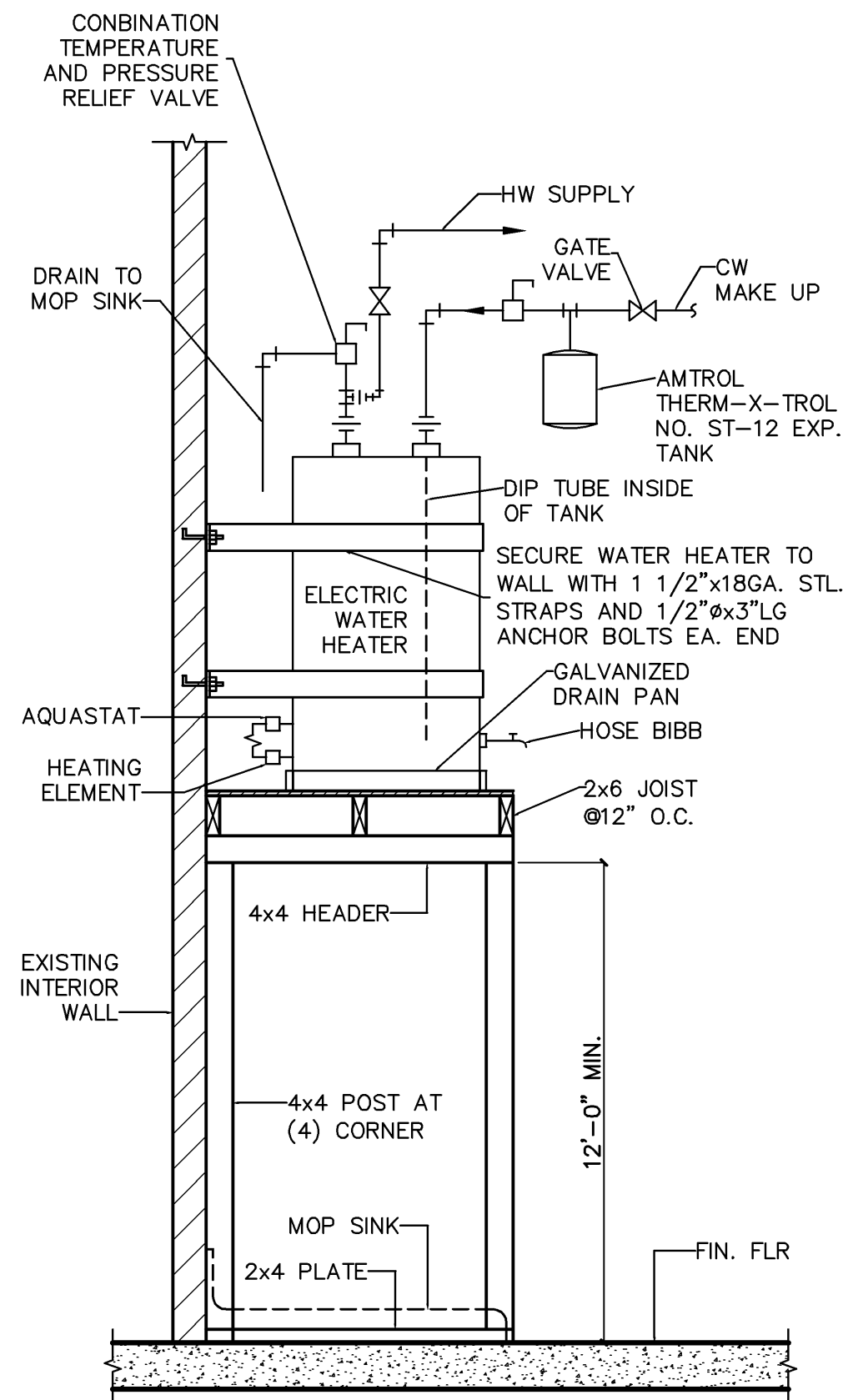
**2 MOP SINK DETAIL**

**PLUMBING REQUIREMENTS:**

- ONE 3/4 INCH POLY LINE WITH THREE SEPARATE 3/8 INCH STOP VALVE CONNECTIONS AND ONE 1/4 INCH STOP VALVE CONNECTION. THESE CONNECTIONS TO BE LOCATED AT BEVERAGE DISPENSER, NO HIGHER THAN 32" ABOVE FLOOR.
- 3/4 INCH SUPPLY LINE REQUIRES A DUAL STAGE FILTER (FURNISHED BY BEVERAGE SERVICE PROVIDER) TO BE WALL MOUNTED IN SERVICE AREA.
- ONE 2 INCH (MINIMUM) FLOOR SINK TO BE PROVIDED FOR BEVERAGE DISPENSER TO ACCOMMODATE SODA AND ICE MAKER OVER SPILL.

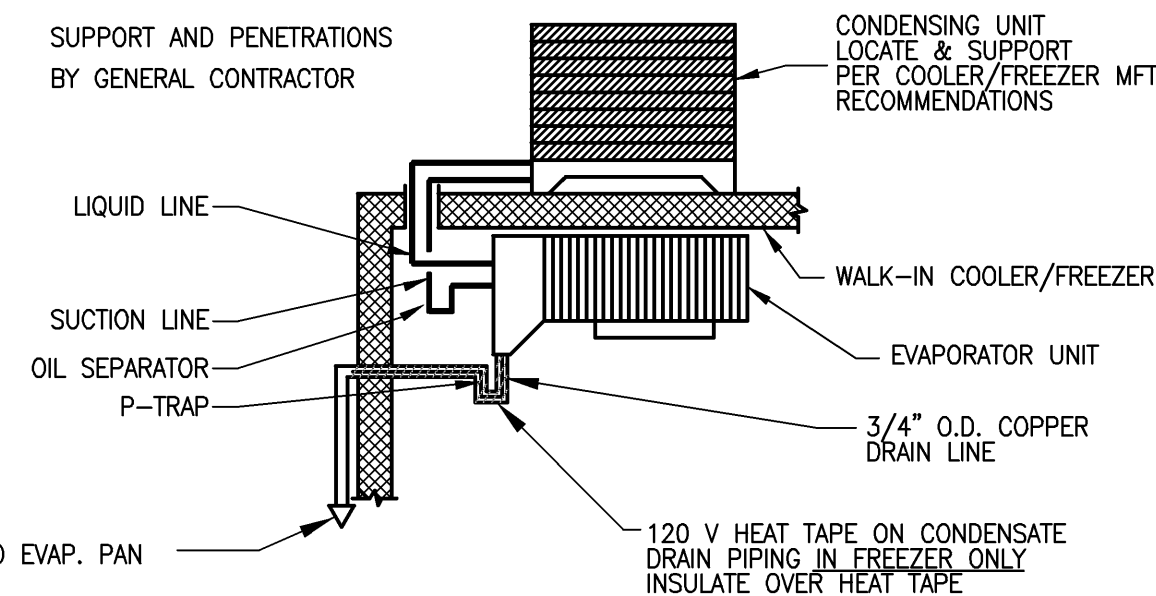


**5 BASIC BEVERAGE DISPENSER**



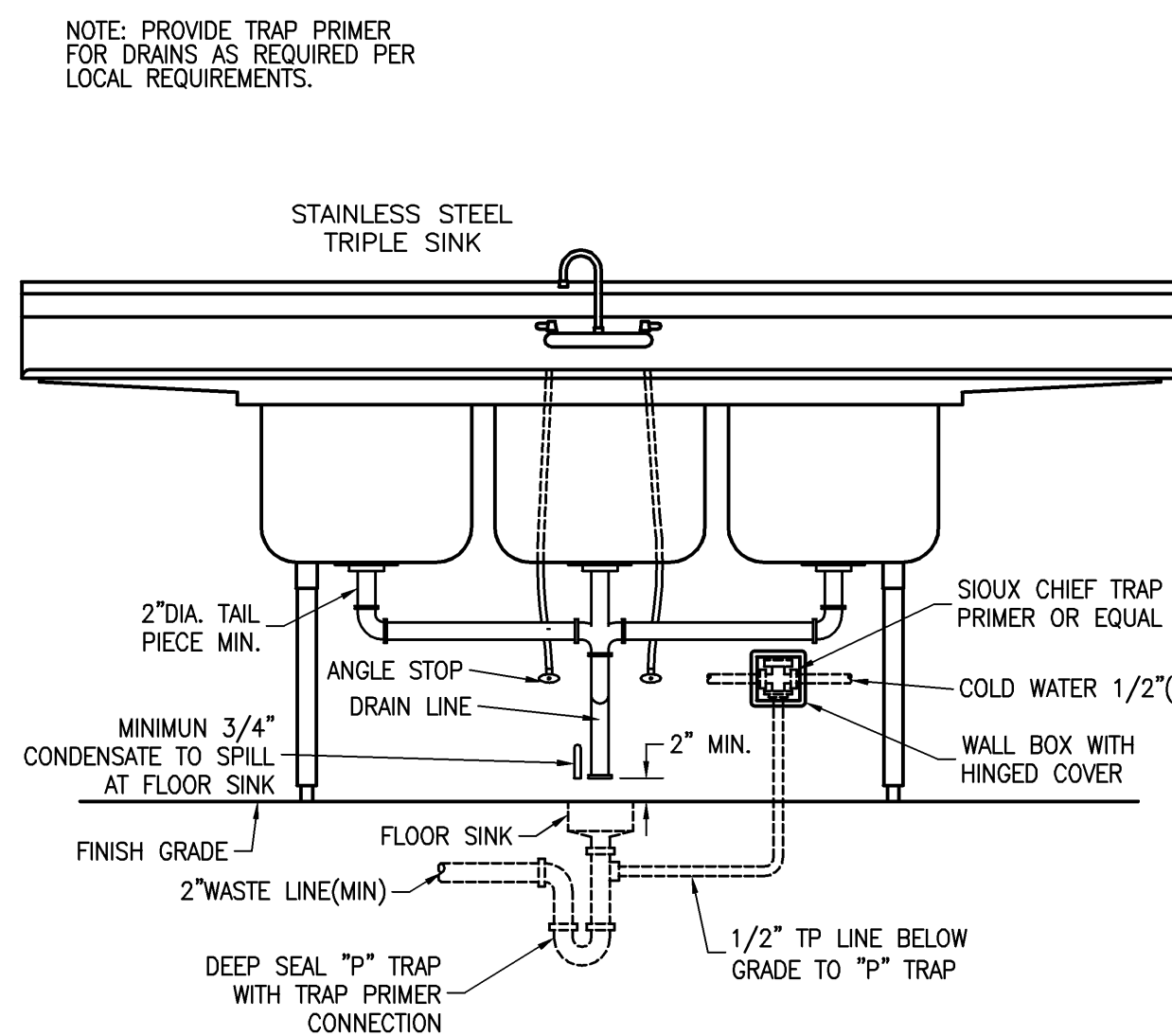
**2 WATER HEATER MOUNTING DTL 1/2"**

D1940



**6 COOLER/FREEZER PIPING**

- NOTES:**  
 SUCTION LINE & CONDENSATE DRAIN LINE TO INCLUDE 3/4" ARMAFLEX INSULATION BY THE MECHANICAL CONTRACTOR.  
 VERIFY ALL LINE SIZES WITH THE COOLER/FREEZER MANUFACTURER FOR THE MAKE AND MODEL TO BE USED AT THE STORE.



**1 INDIRECT WASTE CONNECTION**

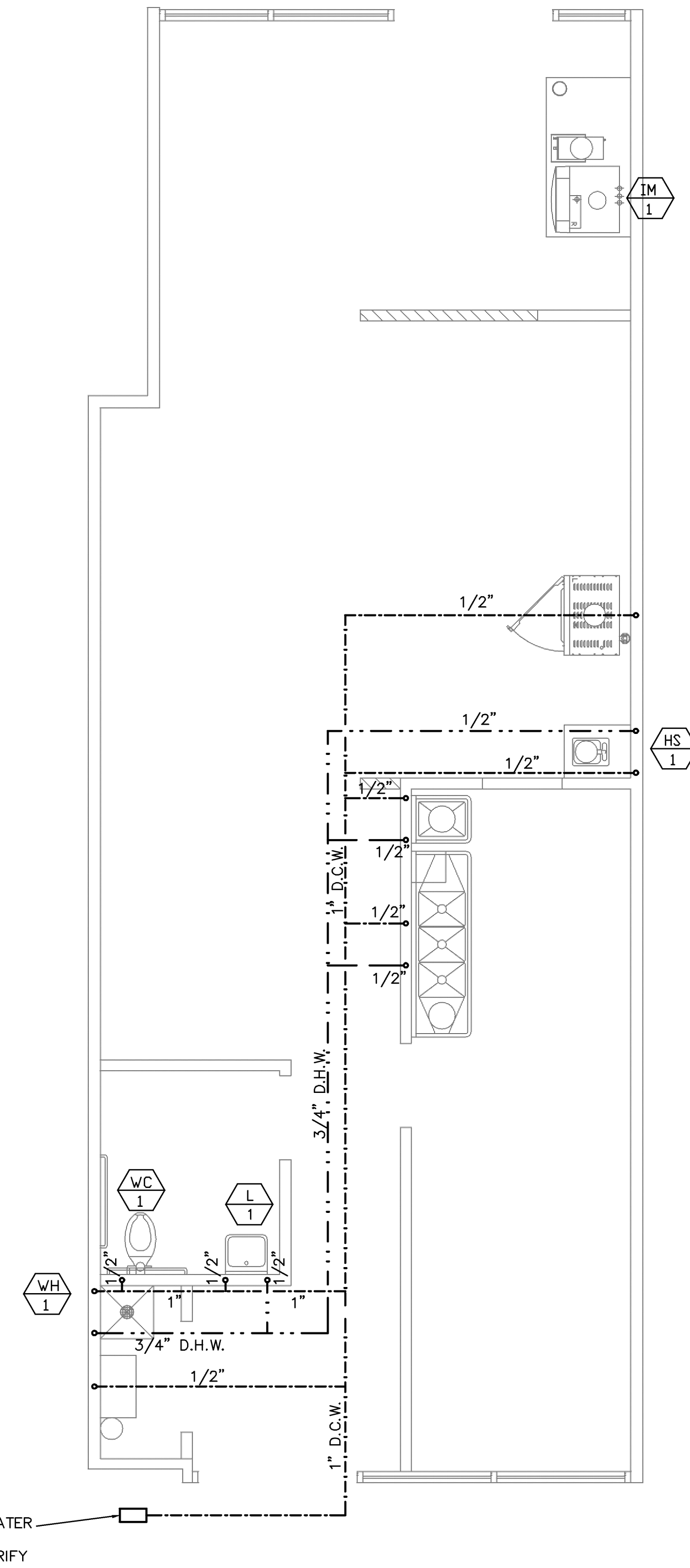
**GENERAL PLUMBING NOTES**

- DRAINAGE, WASTE, AND VENT PIPING TO BE PVC-DWV
- HOT AND COLD WATER PIPING TO BE TYPE "M" COPPER
- CONDENSATE DRAIN PIPING TO BE TYPE "M" COPPER
- SECONDARY DRAIN PIPING TO BE TYPE "M" COPPER
- GAS PIPING TO BE SCHEDULE 40 BLACK STEEL W/MALLEABLE FITTINGS
- SELF CLOSING/ METERING VALVES ON ALL LAVS EXCEPT FOR PRIVATE OFFICES
- PROVIDE CLEAN OUTS EVERY 100 FEET
- STAINLESS STEEL REDUCED PRESSURE, BACKFLOW PREVENTER SHALL BE USED IN THE POTABLE WATER SUPPLY TO CARBONATORS.
- NO WATER LINES TO BE RAN UNDER CONCRETE BUILDING SLAB
- EXISTING ROOF DRAINS ON SHELL BUILDING

WALK IN COOLER AND FREEZER TO BE FITTED WITH SELF EVAPORATING DRIP PAN FROM MANUFACTURER.  
 3 COMPARTMENT SINK AND PREP SINK TO DRAIN INDIRECTLY TO FLOOR SINK WITH 1" AIR GAP.  
 ALL PIPING TO BE PVC.

WATER CLOSET BOWLS SHALL BE OF THE ELONGATED TYPE AND SEAT SHALL BE EITHER OF THE OPEN FRONT TYPE OR HAVE AN AUTOMATIC SEAT COVER DISPENSER

HOT WATER DELIVERED PUBLIC USE LAVATORIES SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 120 DEGREES. THE WATER HEATER THERMOSTAT SHALL NOT BE CONSIDERED A CONTROL FOR MEETING THIS PROVISION.



**PLUMBING PLAN**

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

PLUMBING FIXTURE SCHEDULE	
MARK	DESCRIPTION
HS 1	PROVIDED BY OWNER 1/2" D.H.W. & D.C.W., 2"W., 1 1/2"V., 2" W.C.O.
FS 1	FLOOR SINK "CECO" 906-2C 2"W., 1 1/2"V.
FD 1	CAST IRON FLOOR DRAIN W/ TAP PRIMER 2" W., 1 1/2" V.
MS 1	FLOOR MOUNTED MOP SINK, "FLOORSTONE" MODEL #FMSR2424-2 "CHICAGO FAUCET" #897-CP FAUCET W/ VACUUM BREAKER AND TOP BRACE. 1/2"H.W./C.W., 2"W., 1 1/2"V.
WH 1	BRADFORD WHITE ELECTRIC WATER HEATER, MODEL #LD5053-3 3/4"H.W./C.W., T&P TO MS-1 12 KW RATING. 50 GAL. RECOVERY RATE 61.6 GPH
IM 1	ICE MAKER BOX W/HAMMER ARRESTER "SPECIALTY PRODUCTS" 1/2"D.C.W.
TP 1	TRAP PRIMER SIOUX CHIEF
GT 1	ZURN Z1170-800 50 GPM 100 POUND CAPACITY SEE DETAIL ON SHEET 3 OF 4 FOR MANUFACTURER SPECIFICATIONS
WC 1	FLOOR MOUNTED A.D.A. WATER CLOSET, "PRO FLO" PF 1600, 17" RIM HEIGHT "BEMIS" #1955C OPEN FRONT WHITE SEAT, BOLT CAPS, (1.0 GALLON/FLUSH) 1/2"C.W., 3"S&W, 2"V
L 1	WALL HUNG A.D.A. LAVATORY, "PRO FLO" #PF5504 (20"x18 3/4") "CHICAGO FAUCETS #3300" SELF CLOSING 1/2"H.W./C.W., 2"W., 1 1/2"V.O., 2"W.C.O.

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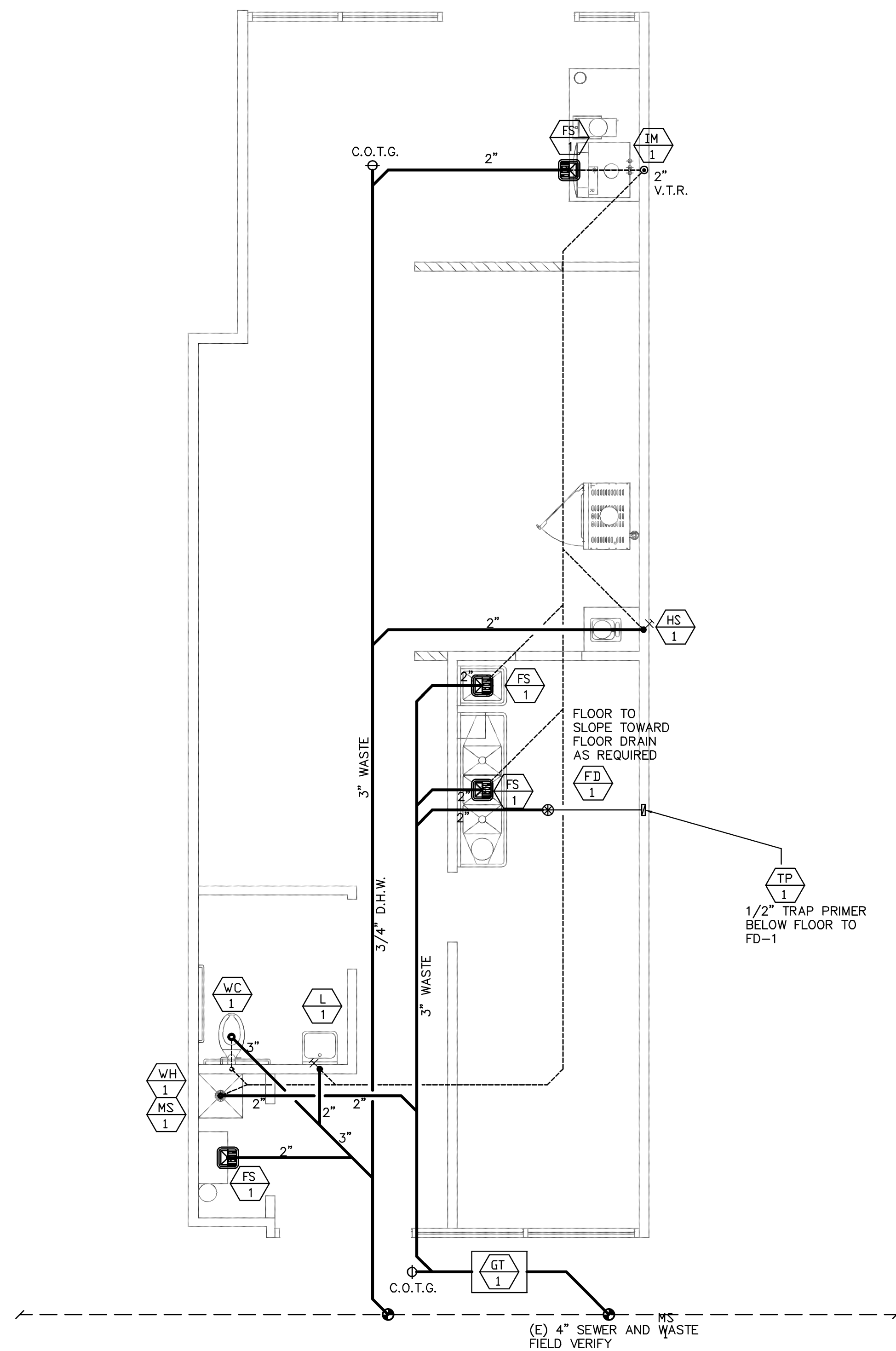
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SHEET **P-3** OF SHEET



**PLUMBING PLAN**

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

PLUMBING FIXTURE SCHEDULE	
MARK	DESCRIPTION
HS 1	PROVIDED BY OWNER 1/2" D.H.W. & D.C.W., 2"W., 1 1/2"V., 2" W.C.O.
FS 1	FLOOR SINK "CECO" 906-2C 2"W., 1 1/2"V.
FD 1	CAST IRON FLOOR DRAIN W/ TAP PRIMER 2" W., 1 1/2" V.
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WH 1	BRADFORD WHITE ELECTRIC WATER HEATER, MODEL #LD5053-3 3/4"H.W./C.W., T&P TO MS-1 12 KW RATING. 50 GAL. RECOVERY RATE 61.6 GPH
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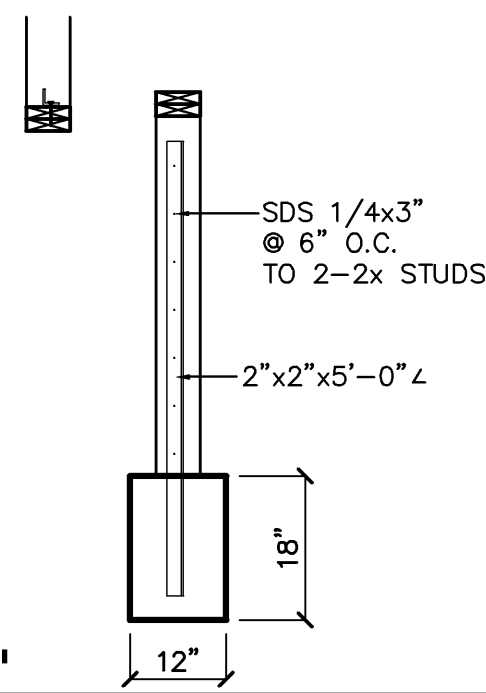
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OF SHEET

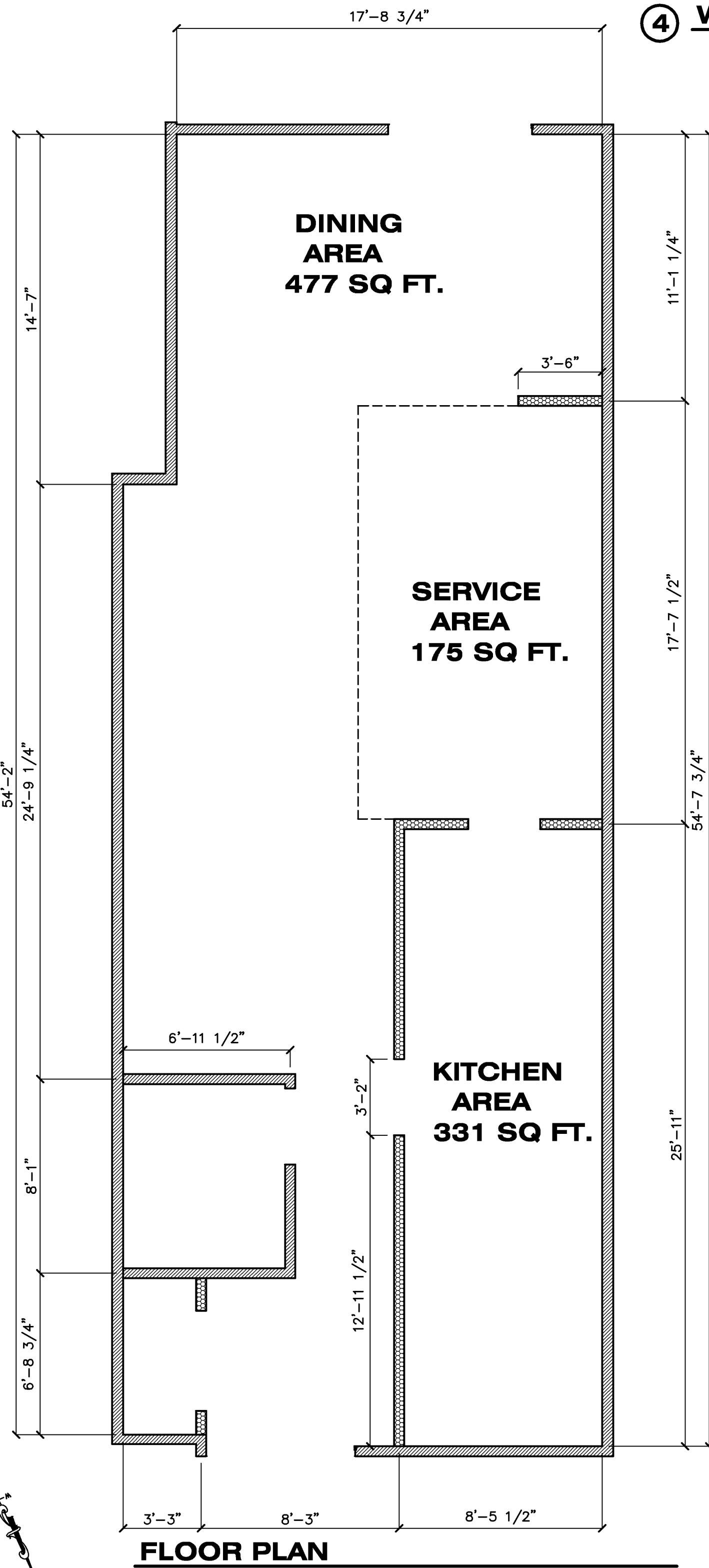
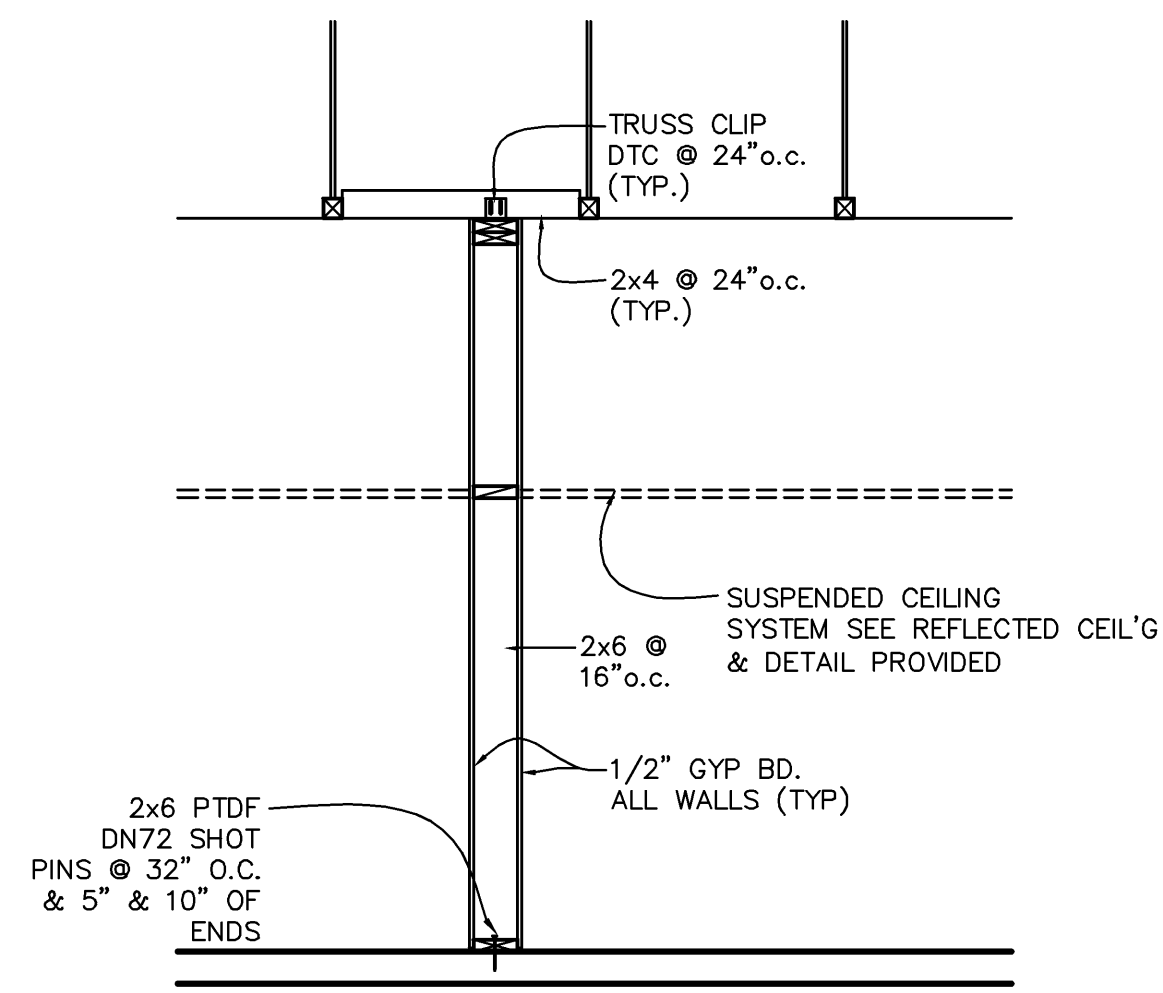




**5 WALL SECTION "B"**  
SCALE: 1/2" = 1'-0"



**4 WALL SECTION "A"**  
SCALE: 1/2" = 1'-0"



NEW WALLS  
EXISTING WALLS

PENETRATIONS OF FIRE-RESISTIVE WALLS, FLOOR-CEILINGS AND ROOF-CEILINGS SHALL BE PROTECTED AS REQUIRED IN CBC SECTIONS 713.3 & 713.4

**DOOR NOTES**

- LOCKSET, PRIVACY & LATCH SETS SHALL BE SCHLAGE, RUSWIN FALCON, OR EQUAL BRUSHED ALUM. FINISH "D" SERIES EXTERIOR ALUM. FINISH "A" SERIES INTERIOR.
- \* SEE DETAIL 21/HC2 FOR DOOR SIZES HARDWARE AND CLEARANCES
- DOORS IN THE MEANS OF EGRESS SYSTEM TO BE OPENABLE FROM THE INSIDE WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. CBC 1008.1.8
- ROOF ACCESS LADDER SHALL COMPLY WITH SECTION 904.10 CMC

**NOTES**

- ALL EXTERIOR AND RESTROOM DOORS ARE SELF-CLOSING
- ALL WINDOWS ARE FIXED
- SAFE TO BE PROVIDED ON 6" HIGH LEGS OR 4" COVED CONCRETE CURB
- ALL LIGHTING ABOVE FOOD OR UTENSILS SHALL BE SHATTERPROOF
- VENTILATION IS LIGHT SWITCH ACTIVAIED IN RESTROOM
- CEILIN SOFFIT IS SMOOTH, WASHABLE, AND FLUSH WITH CEILING
- LAMINATE (FPL) IS ONLY APPROVED AT THE FRONT FACE. UNDERSIDE ABOVE FOOD AREA MUST BE LIGHT COLORED, SEMI GLOSS PAINT
- EMPLOYEE LOCKERS TO BE ON 6" HIGH LEGS OR WALL MOUNTED

**SEISMIC DESIGN CATEGORIES D,E, AND F**

CATEGORY D,E AND F CEILINGS ARE TO BE DESIGNED AND INSTALLED ACCORDING TO CISCA 3-4, AND EIGHT ADDITIONAL REQUIREMENTS LISTED IN SECTION 13.5.6.2.2 IN ASCE 7-05

CEILING AREAS OF 144 SQUARE FEET OR LESS ARE EXEMPTED FROM LATERAL LOAD DESIGN REQUIREMENTS. [SOURCE CISCA 3-4, PAGE 1, SECTION 2, #2]

CEILINGS CONSTRUCTED OF LATH AND PLASTER OR SCREW-APPLIED GYPSUM BOARDS ARE EXEMPT FROM LATERAL LOAD DESIGN REQUIREMENTS. [SOURCE: CISCA 3-4, PAGE 1, SECTION 2, #2] THIS PRACTICE CREATES A RESTRAINED CEILING.

THE FOLLOWING IS A COMBINATION OF THE REQUIREMENTS SPELLED OUT IN THE TWO REFERENCED DOCUMENTS.

**WALL MOLDING** [SOURCE: ASCE 7-05 13.5.6.2.2b] MOLDINGS MUST HAVE A HORIZONTAL FLANGE OF AT LEAST 2" THE CEILING GRID MUST BE ATTACHED TO THE MOLDING AT TWO ADJACENT WALLS. UNATTACHED ENDS OF THE GRID SYSTEM MUST HAVE 1/2" CLEARANCE FROM THE WALL, AND MUST REST UPON AND BE FREE TO SLIDE FROM THE MOLDING.

**HANGERS** [SOURCE: CISCA 3-4, PAGE 1, SECTION 4, #1] SUSPENSION WIRES MUST BE A MINIMUM 12-GAUGE WHEN SPACED AT 4' CENTERS, OR 10-GAUGE AT 5'. HANGER WIRE ATTACHMENT DEVICES MUST BE CAPABLE OF SUPPORTING 100 POUNDS. CONNECTIONS AT MAIN BEAM AND AT STRUCTURE SHALL BE SECURED WITH A MINIMUM OF THREE COMPLETE TURNS.

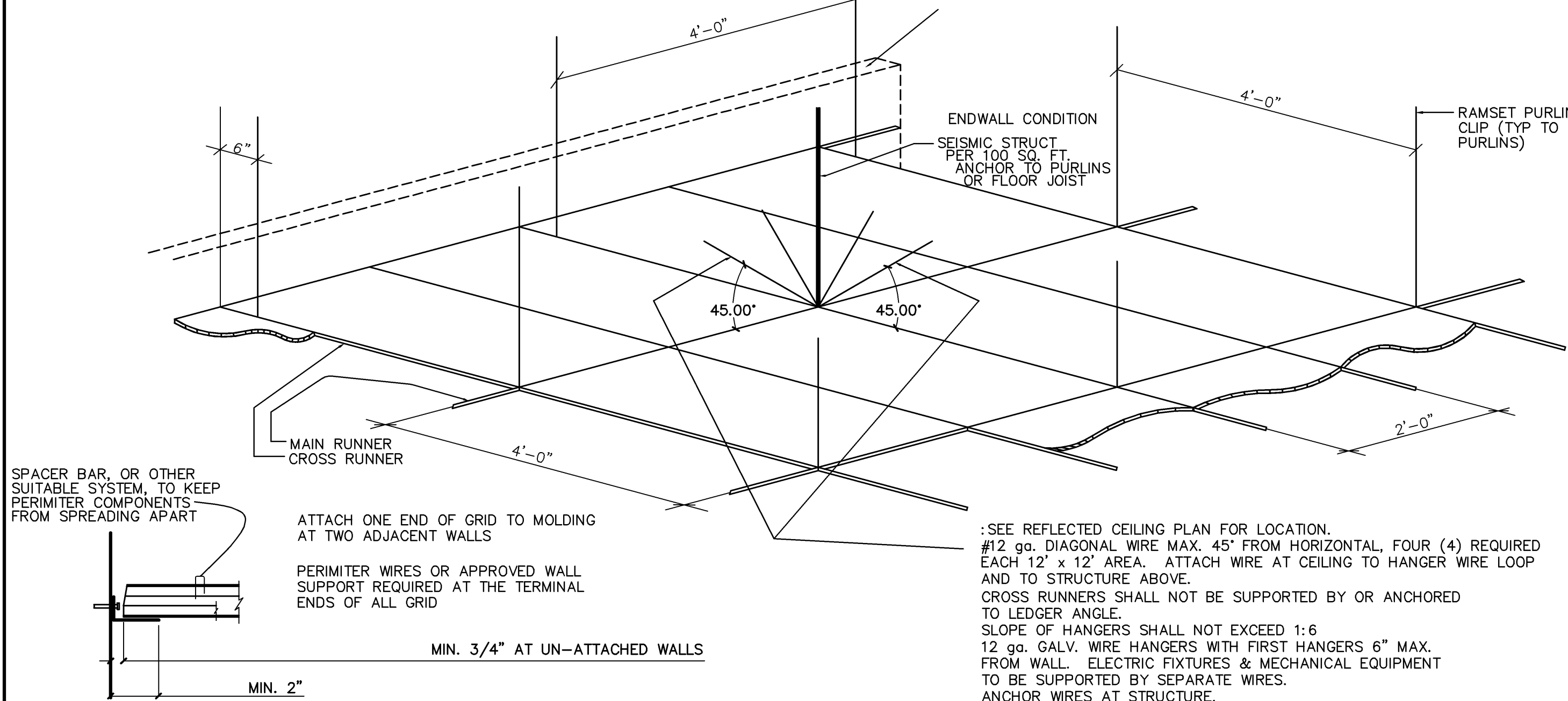
**PERIMETER SUPPORT** [SOURCE: CISCA 3-4, PAGE 2, SECTION 1, #2] TERMINAL ENDS OF EACH MAIN BEAM AND CROSS TEE MUST BE SUPPORTED WITHIN 8" OF EACH WALL OR CEILING DISCONTINUITY, WITH 12-GAUGE WIRE OR APPROVED WALL SUPPORT. THESE WIRES MUST BE PLUMB TO WITHIN ONE IN SIX, AND MAY ATTACH TO THE ADJACENT WALL OR TO THE STRUCTURE ABOVE.

**PERIMETER SPACERS** [SOURCE: CISCA 3-4, PAGE 2, SECTION 1, #4] ENDS OF MAIN RUNNERS AND CROSS TEES SHALL BE TIED TOGETHER TO PREVENT THEIR SPREADING.

**SUSPENSION SYSTEM** MAIN BEAMS MUST BE HEAVY DUTY. [SOURCE: ASCE 7-05 13.5.6.2.2a] MAIN BEAM AND CROSS TEE INTERSECTIONS AND SPLICES MUST HAVE CONNECTION STRENGTHS OF AT LEAST 180 POUNDS IN COMPRESSION AND IN TENSION. [SOURCE: CISCA 3-4, PAGE 1, SECTION 3, #2] CROSS TEES SUPPORTING LIGHT FIXTURES MUST HAVE THE SAME LOAD-CARRYING CAPACITY AS THE MAIN BEAMS, OR BE FITTED WITH SUPPLEMENTAL HANGERS. [SOURCE: CISCA 3-4, PAGE 2, SECTION 2] CROSS TEES SUPPORTING MECHANICAL SERVICES MUST HAVE THE SAME LOAD-CARRYING CAPACITY AS THE MAIN BEAM. [SOURCE: CISCA 3-4, PAGE 2, SECTION 3]

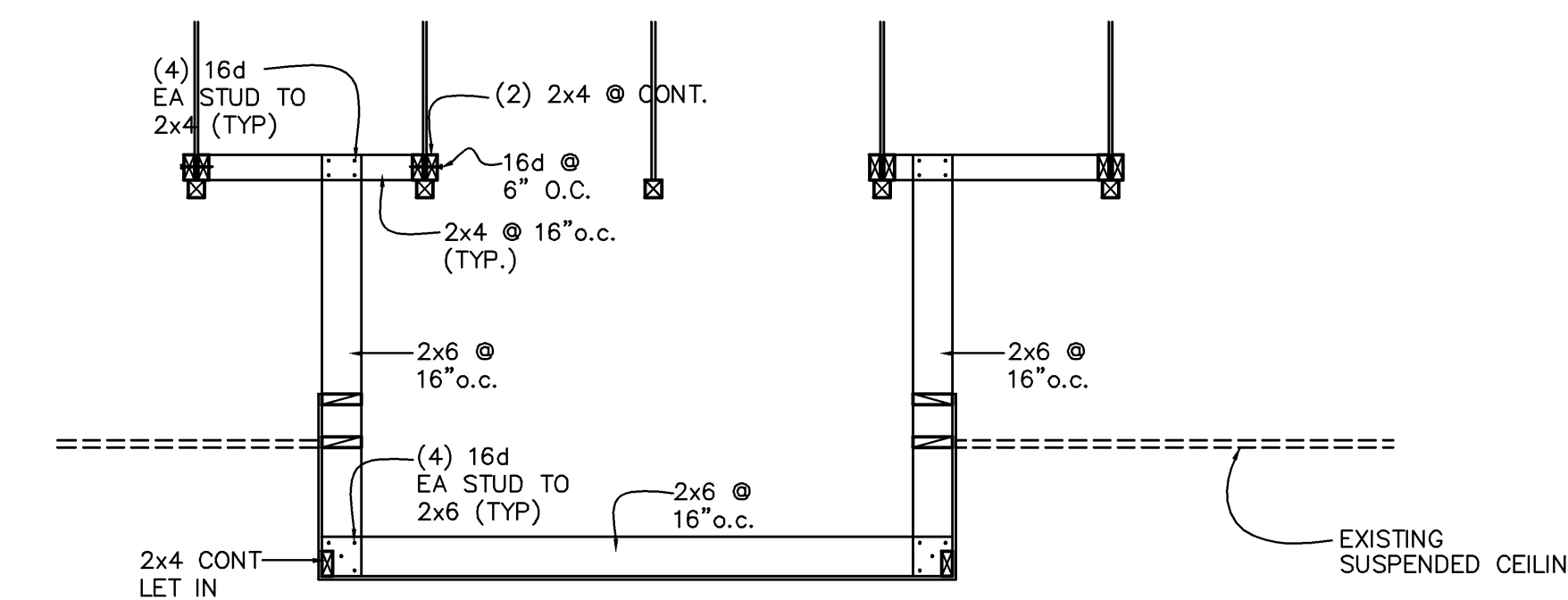
**CABLE TRAYS** [SOURCE: ASCE 7-05 13.5.6.2.2g] CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE INDEPENDENTLY SUPPORTED AND BRACED INDEPENDENTLY OF THE CEILING.

**SPECIAL INSPECTION** [SOURCE: ASCE 7-05 13.5.6.2.2h] SUSPENDED CEILINGS ARE SUBJECT TO SPECIAL INSPECTION AS DESCRIBED IN SECTION 1704 OF THE 2000 CODE, SECTION A.9.3.3.9 IN ASCE 7-02, AND SECTION 11A.1.3.9 IN ASCE 7-05. THIS INSPECTION ENTAILS MANUFACTURER CERTIFICATION OF COMPONENT PERFORMANCE AND PERIODIC INSPECTION OF THE SUSPENDED CEILING ANCHORAGE SYSTEM.



**1 SUSPENDED "T" GRID CEILING SYSTEM**

**N.T.S.**



**3 TYPICAL SOFFIT DETAIL**

SCALE: 1/2" = 1'-0"

LATERAL FORCE BRACING [SOURCE: CISCA 3-4 AND IBC 1621.2.5.2.2] CEILING AREAS GREATER THAN 1000 SQUARE FEET MUST HAVE LATERAL FORCE BRACING. [SOURCE: ASCE 7-05 13.5.6.2.2c]

RIGID BRACING MAY BE USED INSTEAD OF DIAGONAL SPLAY WIRES. BRACING MUST LIMIT CEILING MOVEMENT TO LESS THAN 1/4" AT THE POINT OF ATTACHMENT. [SOURCE: ASCE 7-05 13.5.6.2.2c]

SPLAY WIRE BRACING SHALL BE CLUSTERS OF FOUR 12-GAUGE WIRES ATTACHED TO THE MAIN BEAM WITHIN 2" OF THE CROSS TEE INTERSECTION. WIRES ARE ARRAYED 90° FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING. [SOURCE: CISCA 3-4, PAGE 2, SECTION 1, #3] A STRUT, WITH STIFFNESS ADEQUATE TO RESIST THE VERTICAL LOADS IMPOSED, SHALL BE ATTACHED TO THE SUSPENSION SYSTEM, AND TO THE STRUCTURE ABOVE AT EACH BRACING LOCATION. [SOURCE: CISCA 3-4, PAGE 2, SECTION 1, #3]

HORIZONTAL RESTRAINT POINTS SHALL BE NO MORE THAN 12' ON CENTER IN EACH DIRECTION, AND THE FIRST POINT SHALL BE WITHIN 6' OF EACH WALL. [SOURCE: CISCA 3-4, PAGE 2, SECTION 1, #3] ATTACHMENT OF THE BRACING WIRES TO THE MAIN BEAM AND TO THE STRUCTURE SHALL BE CAPABLE OF SUPPORTING THE GREATER OF 200 POUNDS OR THE ACTUAL DESIGN LOAD WITH A SAFETY FACTOR OF 2. [SOURCE: CISCA 3-4, PAGE 2, SECTION 1, #3]

**LIGHT FIXTURES** [SOURCE: CISCA 3-4, PAGE 2, SECTION 2] ALL FIXTURES MUST BE POSITIVELY ATTACHED TO THE SUSPENSION SYSTEM. THE ATTACHMENT DEVICE MUST BE ABLE TO WITHSTAND 100% OF THE WEIGHT OF THE FIXTURE ACTING IN ANY DIRECTION. FIXTURES WEIGHING 10 POUNDS OR LESS MUST HAVE ONE 12-GAUGE WIRE ATTACHED TO THE HOUSING. FIXTURES WEIGHING MORE THAN 10 POUNDS TO 56 POUNDS MUST HAVE TWO 12-GAUGE WIRES ATTACHED TO DIAGONAL CORNERS, AND THESE WIRES MUST BE SLACK. FIXTURES WEIGHING IN EXCESS OF 56 POUNDS MUST BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE. PENDANT-MOUNTED FIXTURES MUST BE SUPPORTED DIRECTLY FROM THE STRUCTURE, USING 9-GAUGE WIRE. THEY MAY NOT USE THE CEILING SUSPENSION SYSTEM FOR SUPPORT.

**MECHANICAL SERVICES** [SOURCE: ASCE 7-05 13.5.8.1] MUST BE POSITIVELY ATTACHED TO THE SUSPENSION SYSTEM MAIN BEAMS, OR TO CROSS TEES WITH THE SAME LOAD CARRYING CAPACITY. TERMINALS OR SERVICES WEIGHING 20 POUNDS TO 56 POUNDS MUST HAVE TWO 12-GAUGE WIRES CONNECTING THEM TO THE CEILING SYSTEM HANGERS, OR TO THE STRUCTURE ABOVE. TERMINALS OR SERVICES WEIGHING MORE THAN 56 POUNDS MUST BE INDEPENDENTLY SUPPORTED.

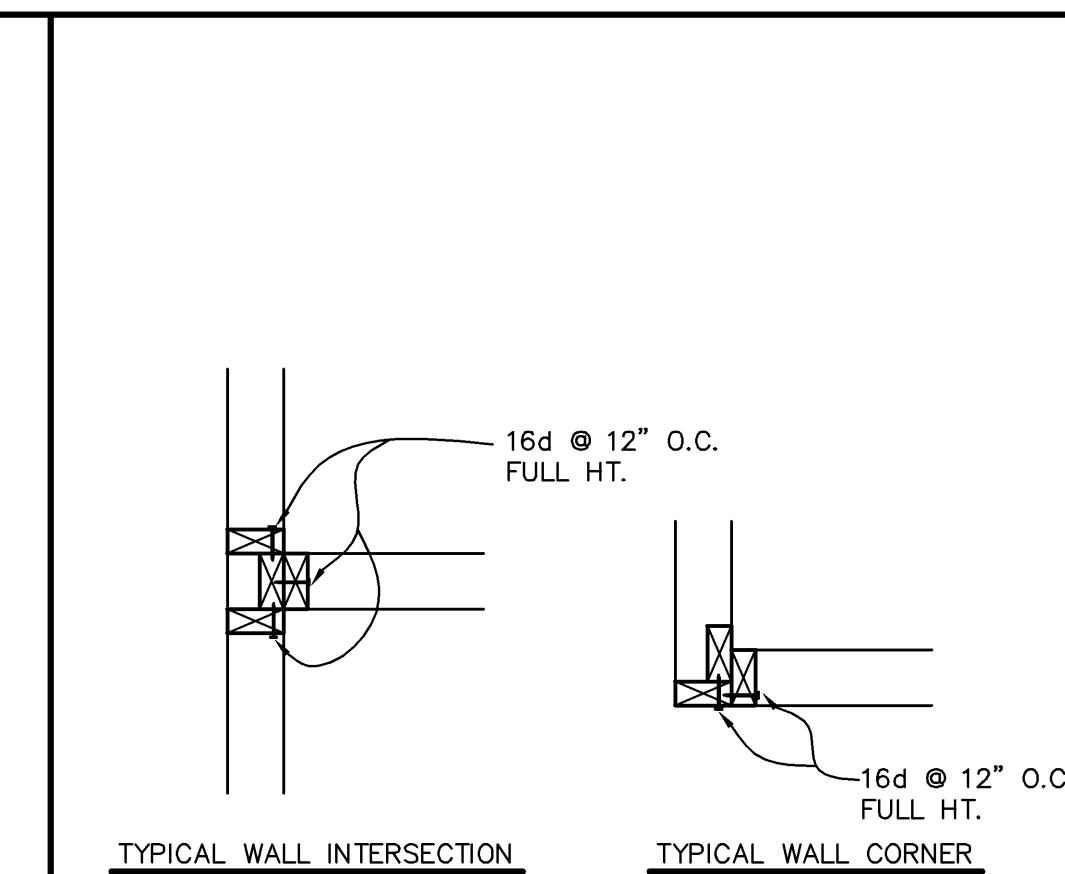
**PARTITION ATTACHMENT** [SOURCE: ASCE 7-05, 5.6.2.2e] PARTITIONS ATTACHED TO THE CEILING SUSPENSION SYSTEM SHALL BE LATERALLY BRACED TO THE BUILDING STRUCTURE. THIS BRACING IS TO BE INDEPENDENT OF ANY CEILINGS SPLAY WIRE BRACING. EXCEPTION: PARTITIONS NOT TALLER THAN 9' AS LONG AS THE HORIZONTAL SEISMIC LOAD DOES NOT EXCEED 5 PSF.

**PENETRATIONS** [SOURCE: ASCE 7-05 13.5.6.2.2e] EXCEPT WHEN RIGID BRACING IS USED, SPRINKLER HEADS AND OTHER PENETRATIONS MUST HAVE 2" OVERSIZED TRIM TO ALLOW 1" HORIZONTAL MOVEMENT IN ALL HORIZONTAL DIRECTIONS.

**SEISMIC SEPARATION JOINTS** [SOURCE: ASCE 7-05 13.5.6.2.2g] CEILING AREAS GREATER THAN 2500 SQUARE FEET MUST HAVE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS UNLESS ANALYSES ARE PERFORMED TO DEMONSTRATE THAT THE CLOSURE TRIMS AND ANGLES PROVIDE ENOUGH CLEARANCE TO ACCOMMODATE THE ADDITIONAL CEILING MOVEMENT.

**HEIGHT TRANSITIONS** [SOURCE: ASCE 7-05 13.5.6.2.2f] CHANGES IN CEILING PLANE ELEVATION MUST HAVE POSITIVE BRACING.

SEE REFLECTED CEILING PLAN FOR LOCATION. #12 GA. DIAGONAL WIRE MAX. 45' FROM HORIZONTAL, FOUR (4) REQUIRED EACH 12' x 12' AREA. ATTACH WIRE AT CEILING TO HANGER WIRE LOOP AND TO STRUCTURE ABOVE. CROSS RUNNERS SHALL NOT BE SUPPORTED BY OR ANCHORED TO LEDGER ANGLE. SLOPE OF HANGERS SHALL NOT EXCEED 1:6. 12 GA. GALV. WIRE HANGERS WITH FIRST HANGERS 6" MAX. FROM WALL. ELECTRIC FIXTURES & MECHANICAL EQUIPMENT TO BE SUPPORTED BY SEPARATE WIRES. ANCHOR WIRES AT STRUCTURE.



**2**

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**SUBWAY STORE 12710**  
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THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS A "WET STAMP & SIGNATURE" FROM BOTH THE ENGINEER OF RECORD AND A APPROVAL STAMP WITH A "WET STAMP & SIGNATURE" FROM THE LOCAL GOVERNING AGENCY ARE PRESENT.

DWG. BY	J.P.
CHK'D BY	
DATE	6/13/2011
JOB NO.	6384
FILE NO.	638422

EXP. 12/31/12

SHEET **S-2** OF SHEET

ABBREVIATIONS

Table listing abbreviations for various materials and components such as AND ANGLE, FLOOR FLASHING, PLATE, and many others.

LEGENDS

Table showing legends for different materials and finishes, including EARTH, ROCK FILL, SAND/MORTAR/PLASTER, CONCRETE, BRICK, CONCRETE BLOCK, etc.

SCOPE OF WORK

- List of 13 items describing the scope of work, including AC and Plenum Existing, Electrical Panel Existing, Water and Sewer connection Existing, etc.

OWNER INFO

RAGHU MARWAHA
MARWAHA GROUP
21700 OXNARD STREET STE. 550
WOODLAND HILLS, CA 91367
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SYMBOLS

Table defining symbols used on drawings, such as COLUMN LINE, DOOR SYMBOL, WINDOW TYPE, LOUVER TYPE, REVISION, MATCH LINE, SECTION, DETAIL, INTERIOR ELEVATION(S), and ROOM IDENTIFICATION.

SHEET INDEX

Table listing sheet titles and indices, including TS = TITLE SHEET (THIS SHEET), A0.0 SITE PLAN, and various detail sheets.

AREA ANALYSIS (TYPE V B)

Table for area analysis showing basic allowable, actual square footage, and unity equation.

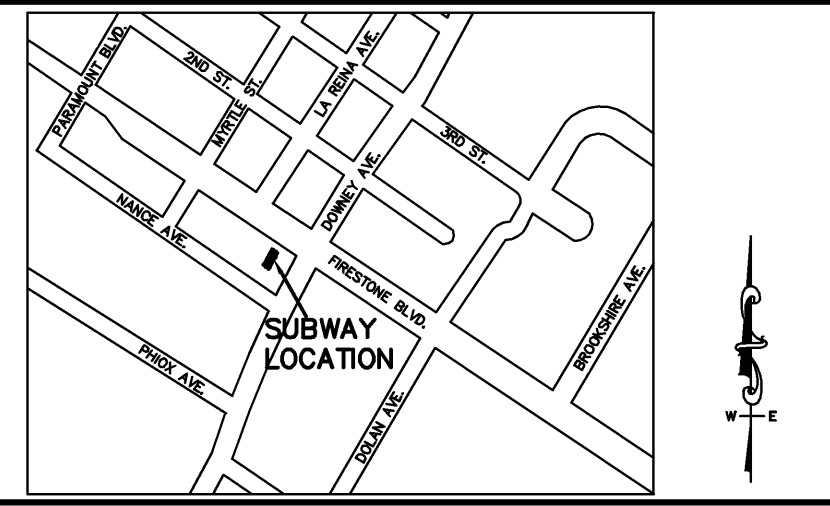
EXITING ANALYSIS

Table for exiting analysis showing area, sq. ftge., occup. load, and req. num. of exits.

GENERAL NOTES

- General notes 1-7 covering work requirements, door specifications, ceiling requirements, partitioning, and exit door details.

VICINITY MAP



BUILDING DATA

Table providing building codes, occupancy type (B, 5B), and legal description for the new building.

CONSULTANTS

BUILDING DESIGN / STRUCTURAL
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903 "H" STREET, SUITE 300
BAKERSFIELD, CA. 93304
(661) 328-9600

MECHANICAL / PLUMBING

ELECTRICAL

SOILS BY OTHERS

PASQUINI ENGINEERING logo and contact information: 903 H Street Suite 300 Bakersfield, CA 93304. Telephone: (661) 328-9600 Fax: (661) 328-9090

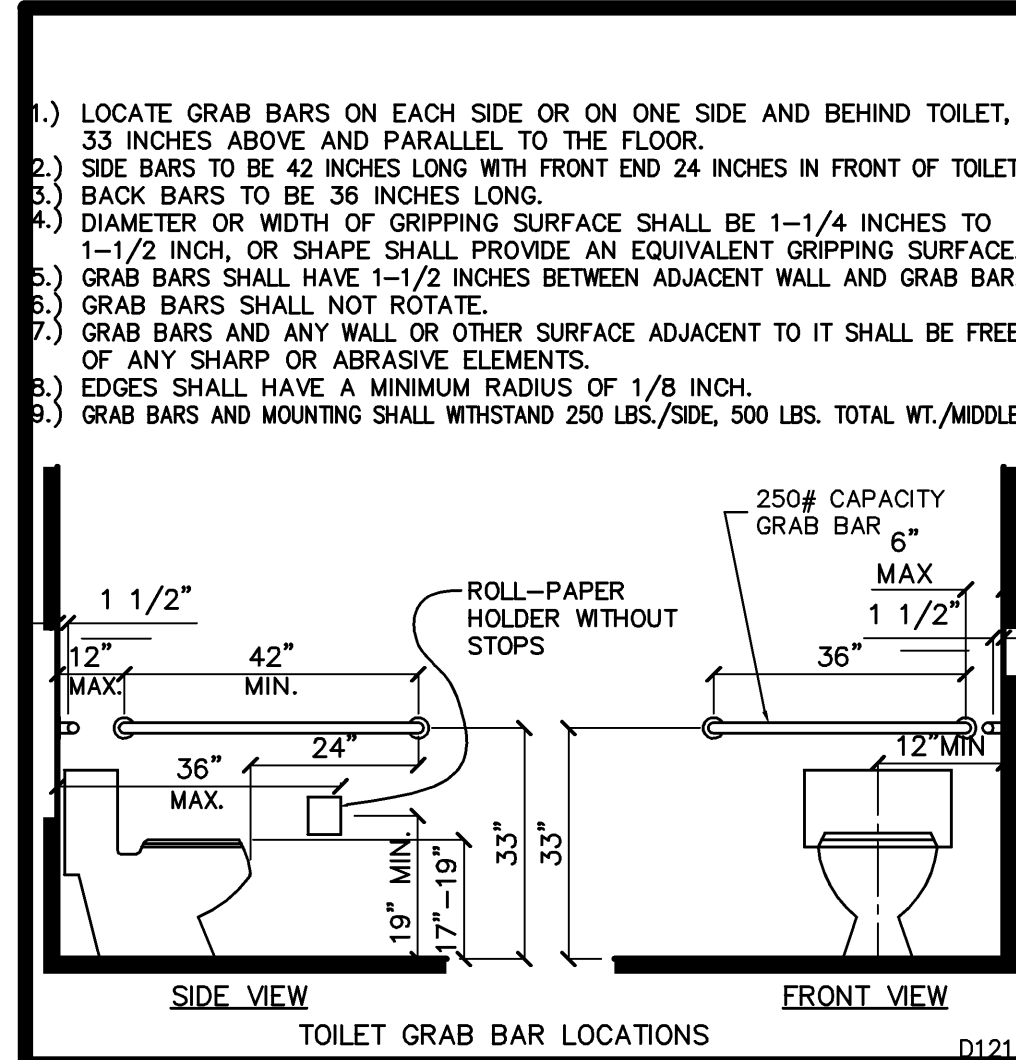
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Table with project details: DWG. BY J.P., CHK'D BY, DATE 6/13/2011, JOB NO. 6364, FILE NO. 636422.

EXP. 12/31/12

SHEET OF TS SHEET

FIRE SPRINKLERS WILL BE A DEFERRED SUBMITTAL UNDER A SEPARATE PERMIT ONE UNISEX ADA COMPLIANT RESTROOM IS PROVIDED FOR CUSTOMER USE PROVIDE ILLUMINATED EXITS SIGNS PER CODE REQUIREMENTS



WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MINIMUM 48 INCHES IN WIDTH. SURFACES SHALL BE AS SLIP-RESISTANT AS DESCRIBED AS A MEDIUM SALTED FINISH. SURFACE WITH A SLOPE OF 6 PERCENT GRADIENT OR GREATER SHALL BE SLIP-RESISTANT. SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT EXCEPT WHEN THE ENFORCING AGENCY FINDS THAT DUE TO LOCAL CONDITIONS IT CREATES AN UNREASONABLE HARDSHIP, THE CROSS SLOPE SHALL BE INCREASED TO A MAXIMUM 1/2 INCH PER FOOT FOR DISTANCES NOT TO EXCEED 20 FEET.

**EXCEPTION:** WHEN BECAUSE OF RIGHT-OF-WAY RESTRICTIONS, NATURAL BARRIERS, OR OTHER EXISTING CONDITIONS, THE ENFORCING AGENCY DETERMINES THAT COMPLIANCE WITH THE 48 INCH, CLEAR SIDEWALK WIDTH WOULD CREATE AN UNREASONABLE HARDSHIP, THE CLEAR WIDTH MAY BE REDUCED TO 36 INCHES.

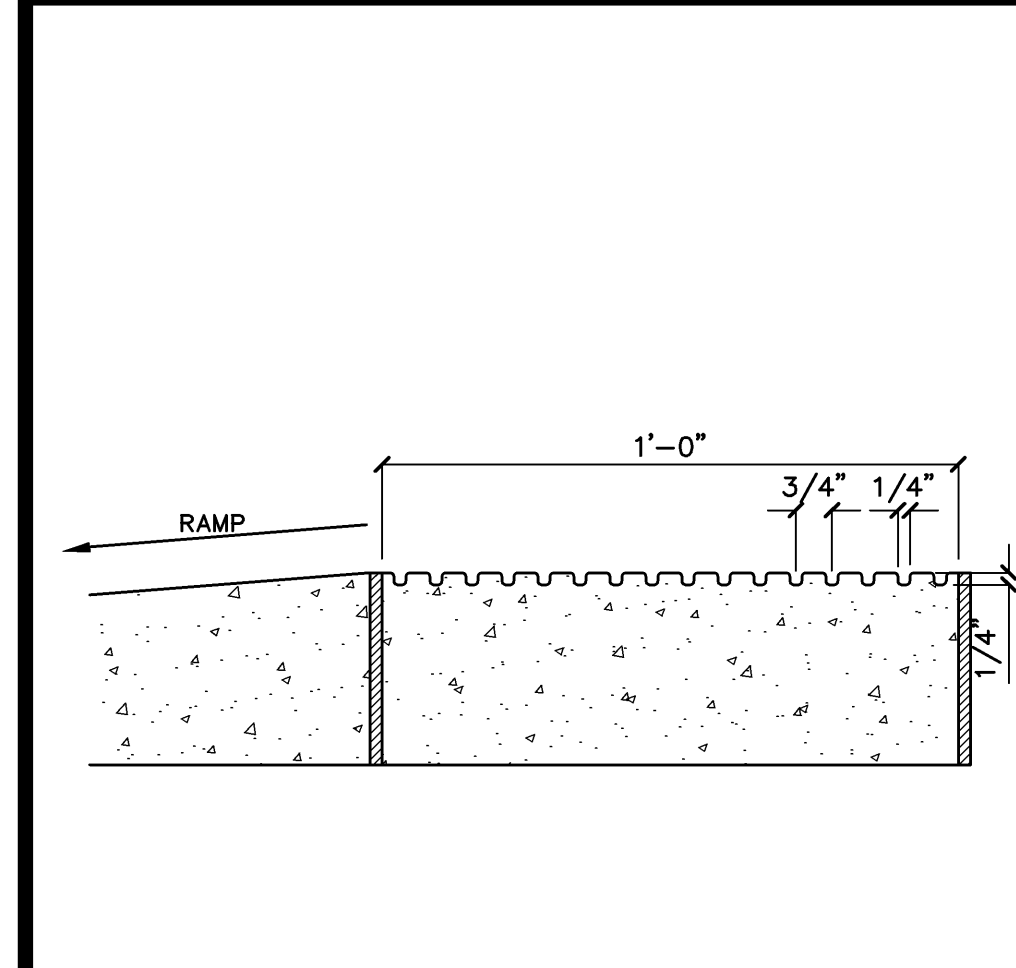
GRATINGS: WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS SHALL BE LIMITED TO 1/2 INCH IN THE DIRECTION OF TRAFFIC. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 2 HORIZONTAL (5 PERCENT GRADIENT) IT SHALL COMPLY WITH THE REQUIREMENTS OF PEDESTRIAN RAMPS. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH, WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS. (SEE DETAIL 8/HC-1)

LEVEL AREAS: WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60 INCHES AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN THE REQUIREMENTS FOR PUSH SIDE APPROACH (SEE DETAIL 18/HC-2) WALKS WITH CONTINUOUS GRADIENTS: ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET, IF CARPET OR CARPET TILE IS USED ON A GROUND OR FLOOR SURFACE, THEN IT SHALL BE SECURELY ATTACHED; HAVE A FIRM CUSHION, PAD, OR BACKING, OR NO CUSHION OR PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURED. THE MAXIMUM PILE THICKNESS SHALL BE 1/2 INCH. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO THE FLOOR SURFACE AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET TRIM SHALL COMPLY WITH THE REQUIREMENTS FOR ABRUPT CHANGES IN LEVEL AS PREVIOUSLY DESCRIBED.

**WARNING CURBS:** ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNTAINS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS, OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY CURBS AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 3 INCHES PLUS OR MINUS ONE INCH ABOVE THE SURFACE OF THE WALK OR SIDEWALK, THE WALK IS 5 PERCENT OR LESS GRADIENT OR NO ADJACENT HAZARDS EXIST.

**13) TOILET GRAB BAR REQUIREMENTS**

**10) GROUND AND FLOOR SURFACE**



ACCESSIBLE TOILET FACILITIES SHALL BE ON AN ACCESSIBLE ROUTE. THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30 INCHES WIDE BY 48 INCHES LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. ALL DOORS TO ACCESSIBLE TOILET FACILITIES SHALL COMPLY WITH THE A.D.A.A.G. AND TITLE-24 REQUIREMENTS. (SEE DETAIL 13/HC-2)

NO DOOR SHALL ENROACH INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE. THE LAVATORY SHALL BE CENTER 18 INCHES FROM THE ADJACENT WALL. CLEAR FLOOR SPACE REQUIRED FOR LAVATORIES AND URINALS: (SEE DETAILS 6M-1 & 7M-1)

WATER CLOSETS: MULTIPLE ACCOMMODATION TOILET FACILITIES: AT LEAST ONE SHALL BE ACCESSIBLE; WHERE 6 OR MORE ARE PROVIDED, IN ADDITION TO THE ACCESSIBLE STALL, AT LEAST ONE STALL SHALL BE 36 INCHES WIDE WITH AN OUTWARD SWINGING SELF-CLOSING DOOR AND PARALLEL GRAB BARS. (SEE DETAILS 13/HC-1 & 'A-A')

THE WATER CLOSET SHALL BE CENTER 18 INCHES FROM THE ADJACENT WALL. THE WATER CLOSET SHALL BE CENTERED IN A SPACE WHICH PROVIDES A MINIMUM 28 INCHES WIDE CLEAR FROM A FIXTURE OR A MINIMUM 42 INCHES CENTERED FROM THE WATER CLOSET. THERE SHALL BE A MINIMUM 48 INCHES CLEAR FROM THE FRONT EDGE OF THE WATER CLOSET. HEIGHT: TOILET HEIGHT SHALL BE 17 INCHES TO 19 INCHES MEASURED TO THE TOP OF THE TOILET SEAT ABOVE FINISH FLOOR.

TOILET SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44 INCHES ABOVE FINISH FLOOR. GRAB BARS: (SEE DETAIL 13/HC-1)

SIZE AND ARRANGEMENT: SEE DETAILS

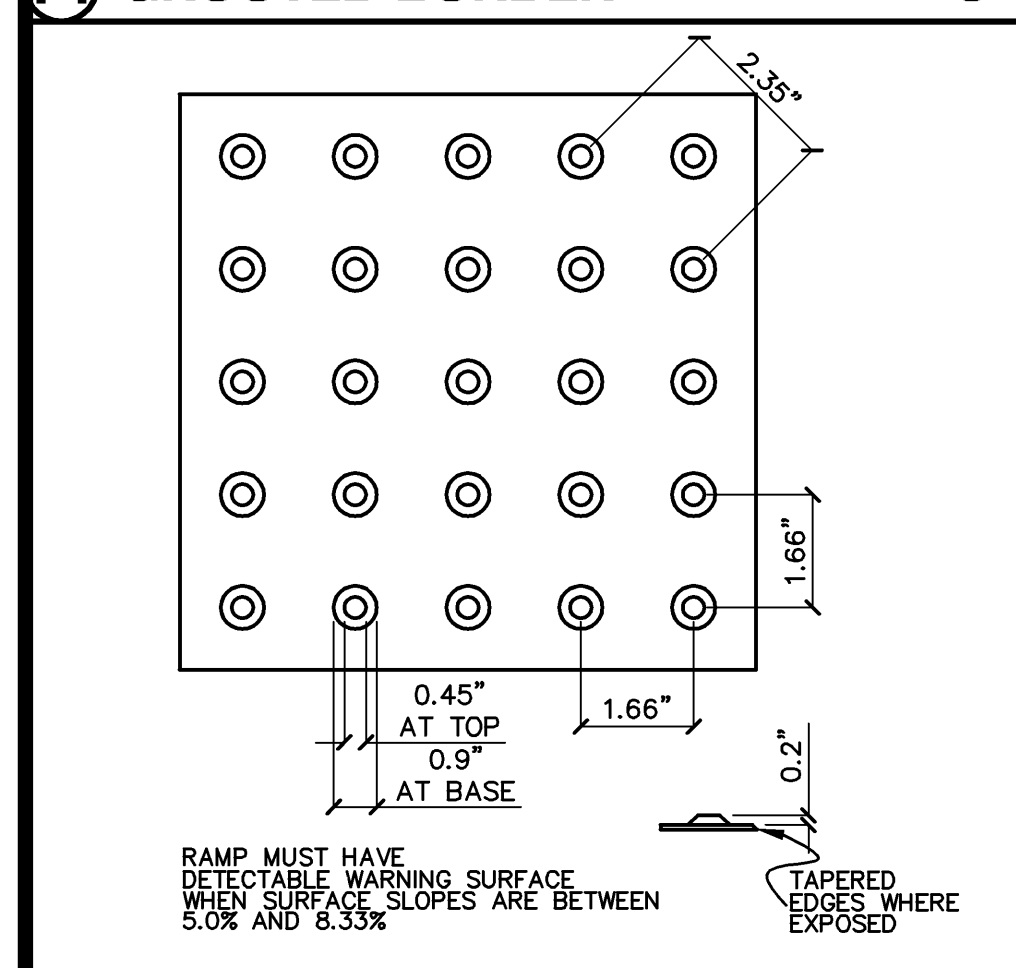
TOE CLEARANCES: IN ACCESSIBLE STALLS, THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF AT LEAST 6 INCHES ABOVE FINISH FLOOR. IF THE DEPTH OF THE STALL IS GREATER THAN 60 INCHES, THEN NO TOE CLEARANCE IS REQUIRED.

IDENTIFICATION: (SEE DETAIL 9-HC-1)

WATER CLOSET BOWLS USED FOR PUBLIC USE SHALL BE ELONGATED IN DESIGN AND EQUIPPED WITH AN OPEN FRONT.

**14) GROOVED BORDER**

**7) TOILET ROOM ACCESSORIES**



1. WHERE TOWEL, SANITARY NAPKIN, AND WASTE RECEPTACLES AND SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS AND SOAP DISPENSERS, WITHIN 40 INCHES FROM THE FINISH FLOOR.

2. URINALS SHALL BE WALL HUNG WITH AN ELONGATED RIM PROJECTING 14 INCHES FROM THE WALL AND AT A MAXIMUM OF 17 INCHES ABOVE THE FINISH FLOOR.

3. CLEAR FLOOR SPACE SHALL BE 30 INCHES BY 48 INCHES.

4. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. CONTROLS SHALL BE MOUNTED NO GREATER THAN 44 INCHES ABOVE FINISH FLOOR.

**15) TRUNCATED DOMES**

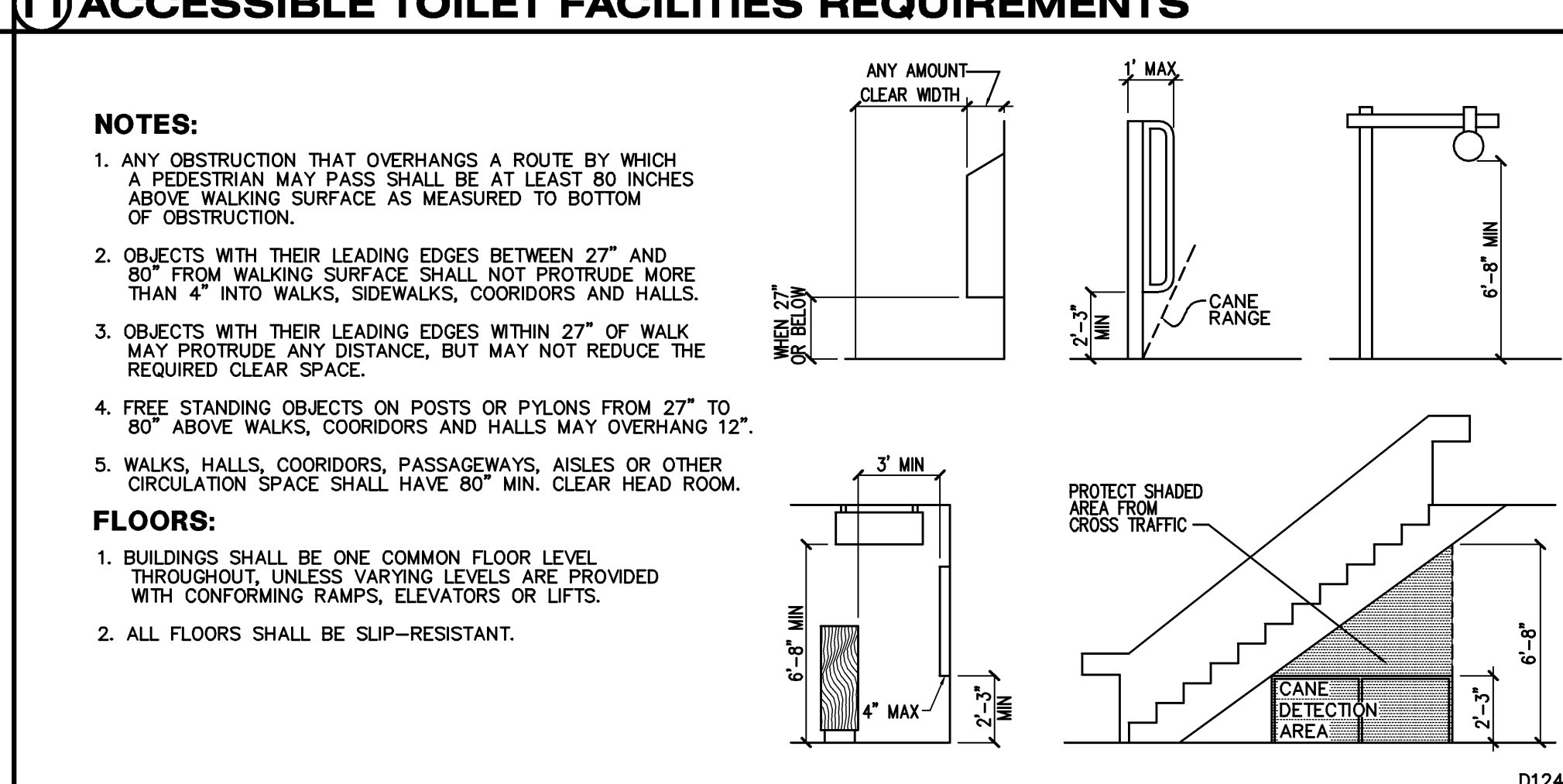
**8) ACCESSIBLE PARKING STALL/SPACE REQUIREMENTS**

**NOTES:**

- ANY OBSTRUCTION THAT OVERHANGS A ROUTE BY WHICH A PEDESTRIAN MAY PASS SHALL BE AT LEAST 80 INCHES ABOVE WALKING SURFACE AS MEASURED TO BOTTOM OF OBSTRUCTION.
- OBJECTS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" FROM WALKING SURFACE SHALL NOT PROTRUDE MORE THAN 4" INTO WALKS, SIDEWALKS, COORIDORS AND HALLS.
- OBJECTS WITH THEIR LEADING EDGES WITHIN 27" OF WALK MAY PROTRUDE ANY DISTANCE, BUT MAY NOT REDUCE THE REQUIRED CLEAR SPACE.
- FREE STANDING OBJECTS ON POSTS OR PYLONS FROM 27" TO 80" ABOVE WALKS, COORIDORS AND HALLS MAY OVERHANG 12".

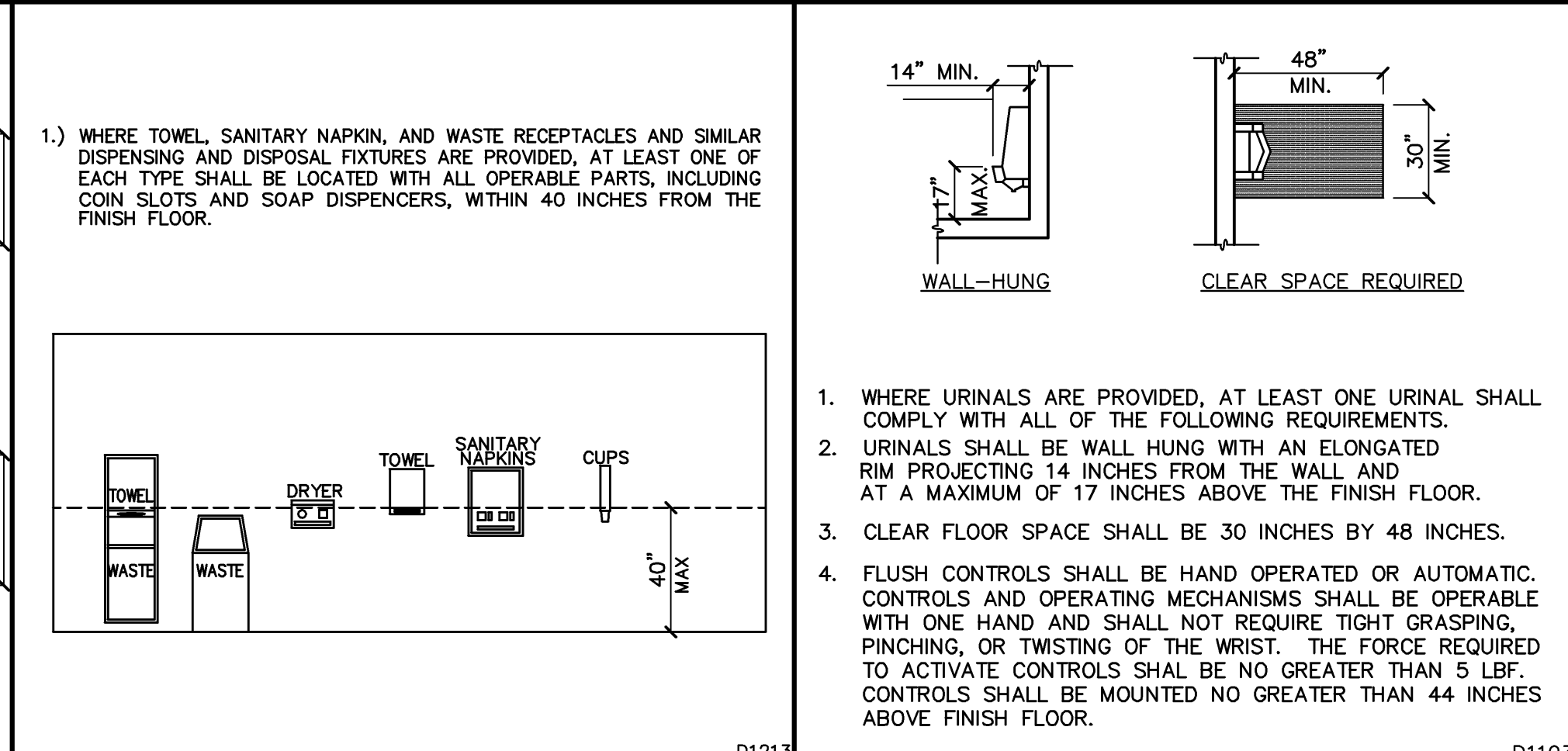
**FLOORS:**

- BUILDINGS SHALL BE ONE COMMON FLOOR LEVEL THROUGHOUT, UNLESS VARYING LEVELS ARE PROVIDED WITH CONFORMING RAMPS, ELEVATORS OR LIFTS.
- ALL FLOORS SHALL BE SLIP-RESISTANT.

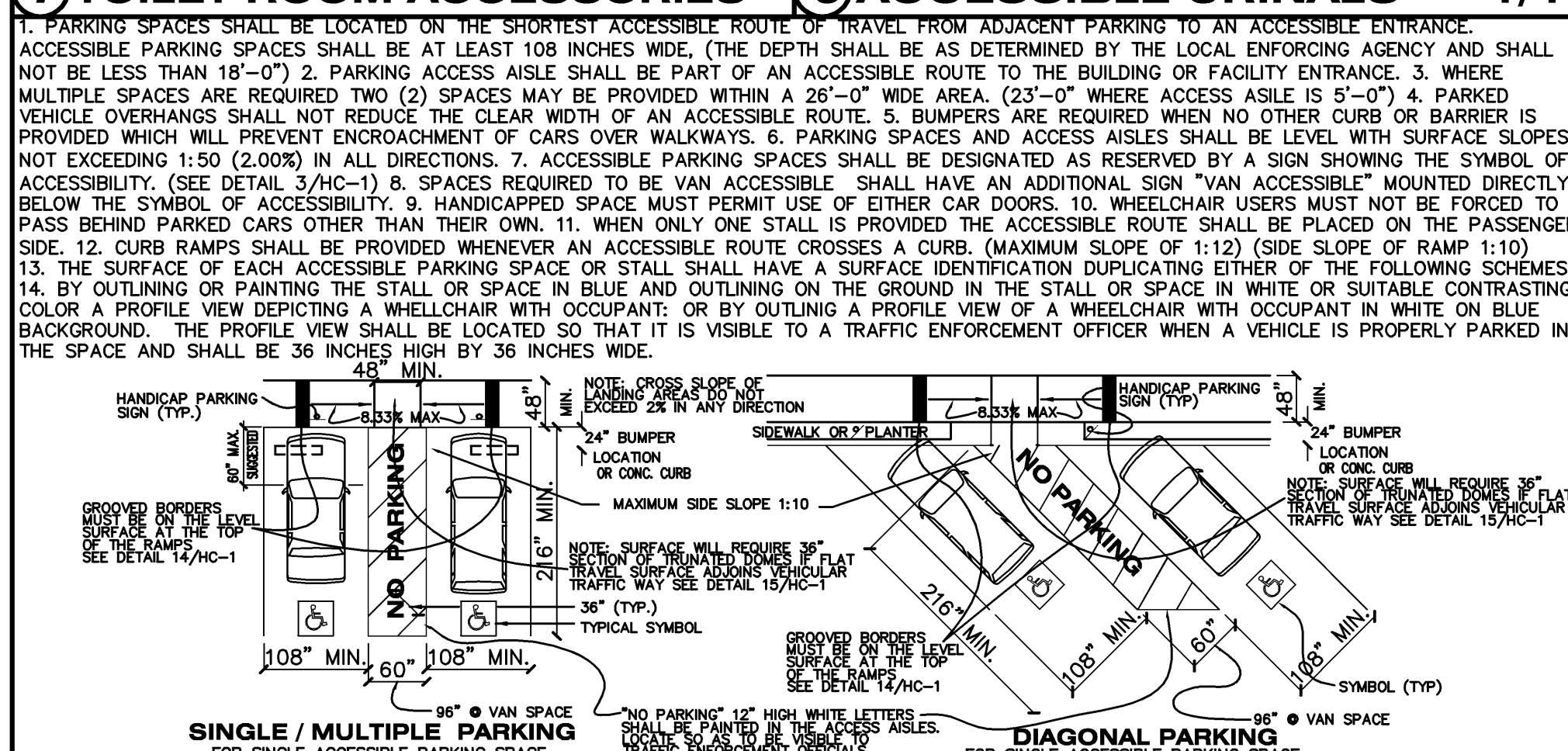


**12) HAZARDS / PROTRUDING OBJECTS / HEAD ROOM**

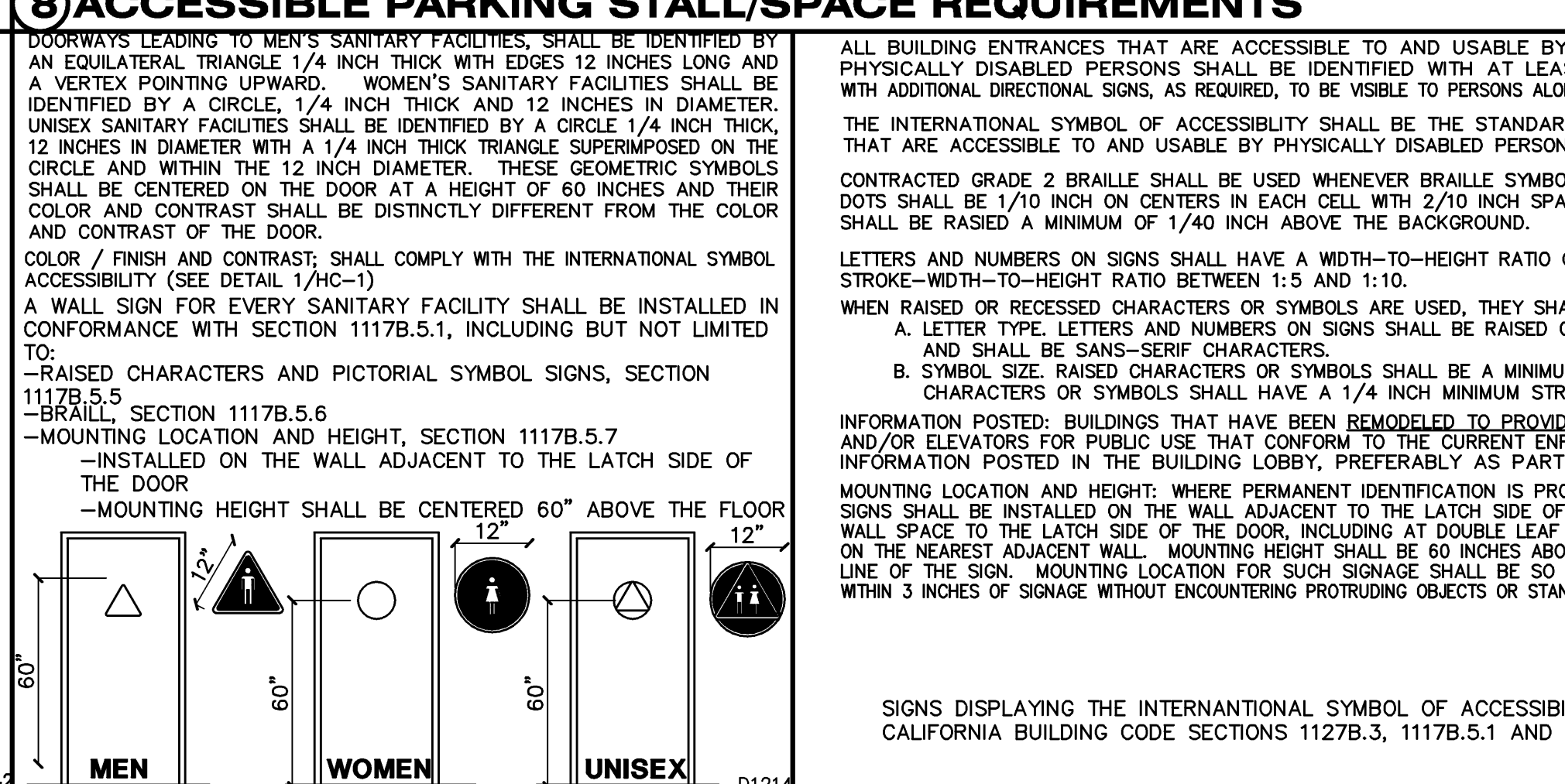
**5) LAVATORIES AND MIRRORS**



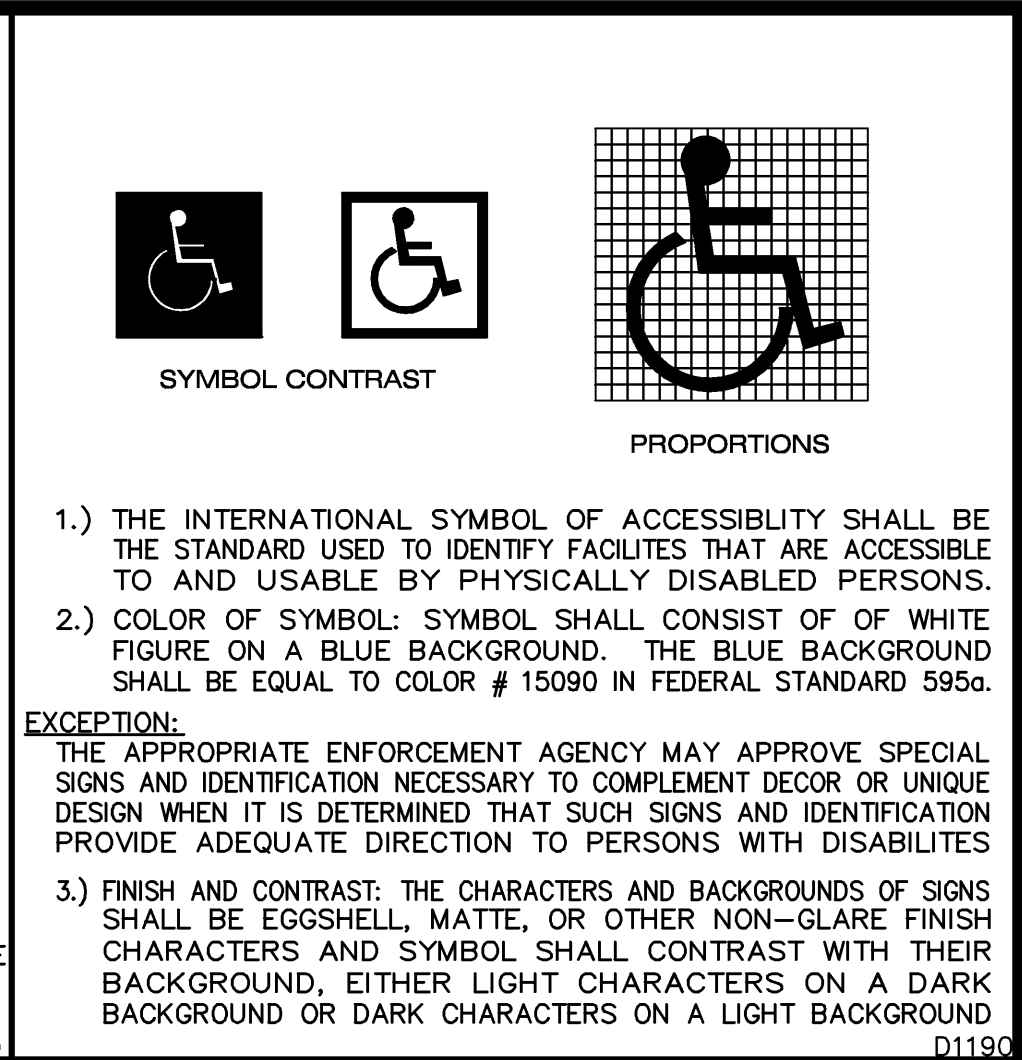
**6) ACCESSIBLE URINALS**



**3) ACCESSIBLE PARKING STALL SIGN**



**9) ACCESSIBLE TOILET FACILITY SIGNAGE**



**1) INTERNATIONAL SYMBOL OF ACCESSIBILITY**

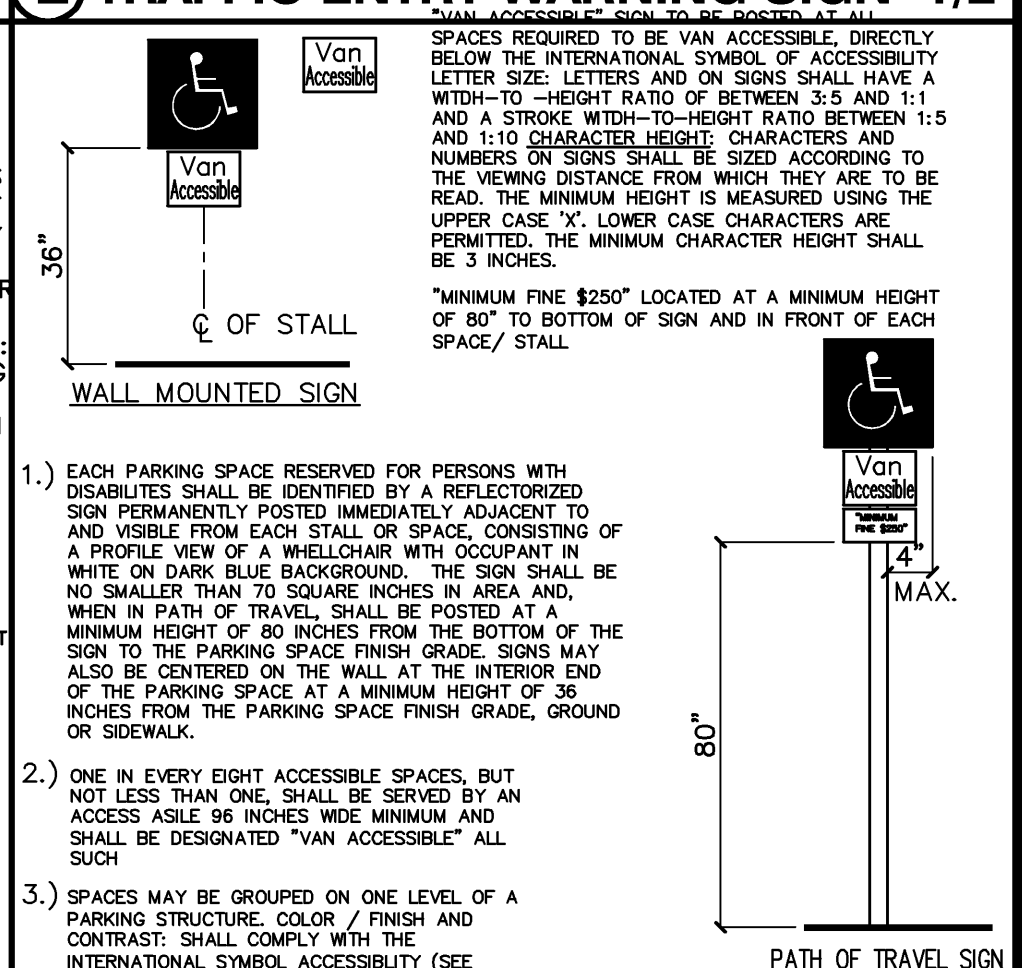
1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS.

2. COLOR OF SYMBOL: SYMBOL SHALL CONSIST OF WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE BACKGROUND SHALL BE EQUAL TO COLOR # 15090 IN FEDERAL STANDARD 595a.

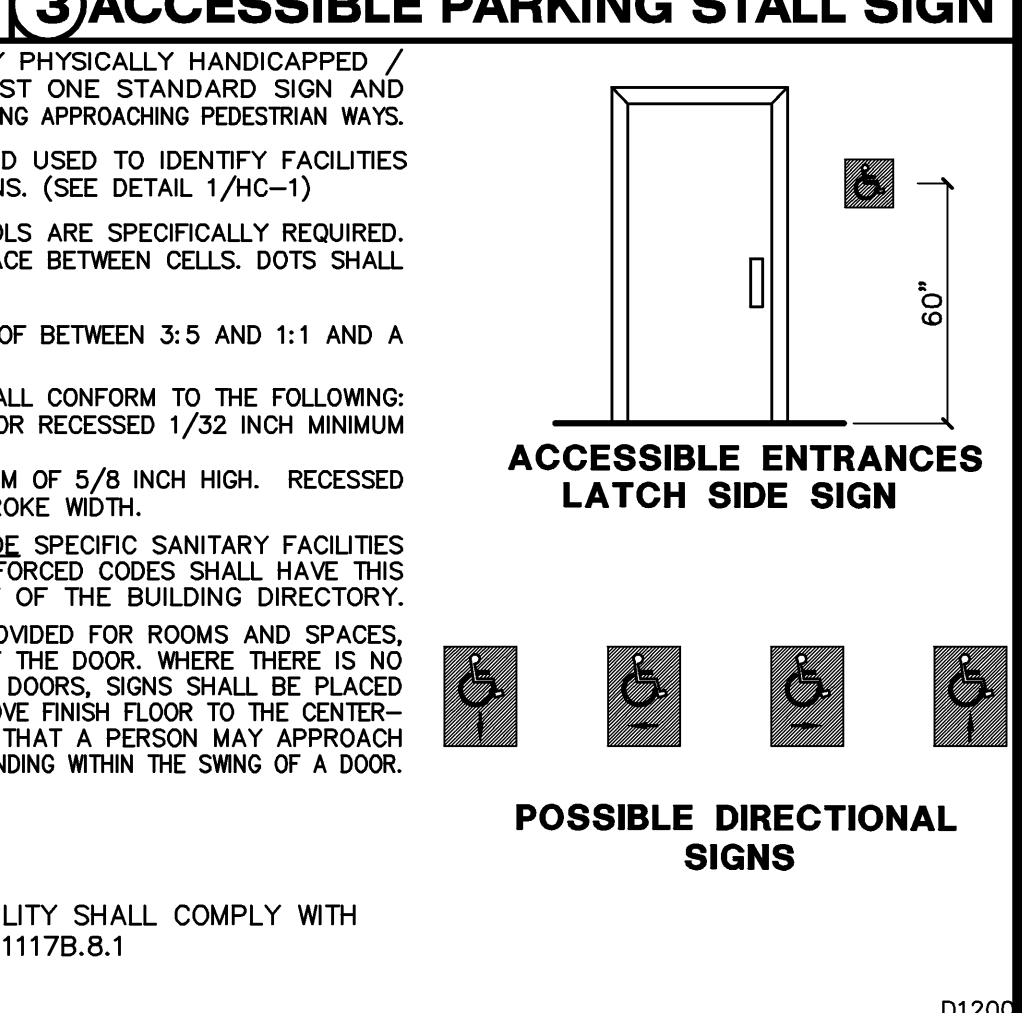
**EXCEPTION:** THE APPROPRIATE ENFORCEMENT AGENCY MAY APPROVE SPECIAL SIGNS AND IDENTIFICATION NECESSARY TO COMPLEMENT DECOR OR UNIQUE DESIGN WHEN IT IS DETERMINED THAT SUCH SIGNS AND IDENTIFICATION PROVIDE ADEQUATE DIRECTION TO PERSONS WITH DISABILITIES

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

**2) TRAFFIC ENTRY WARNING SIGN**



**4) ENTRANCE SIGNS AND DIRECTIONAL SIGNS**



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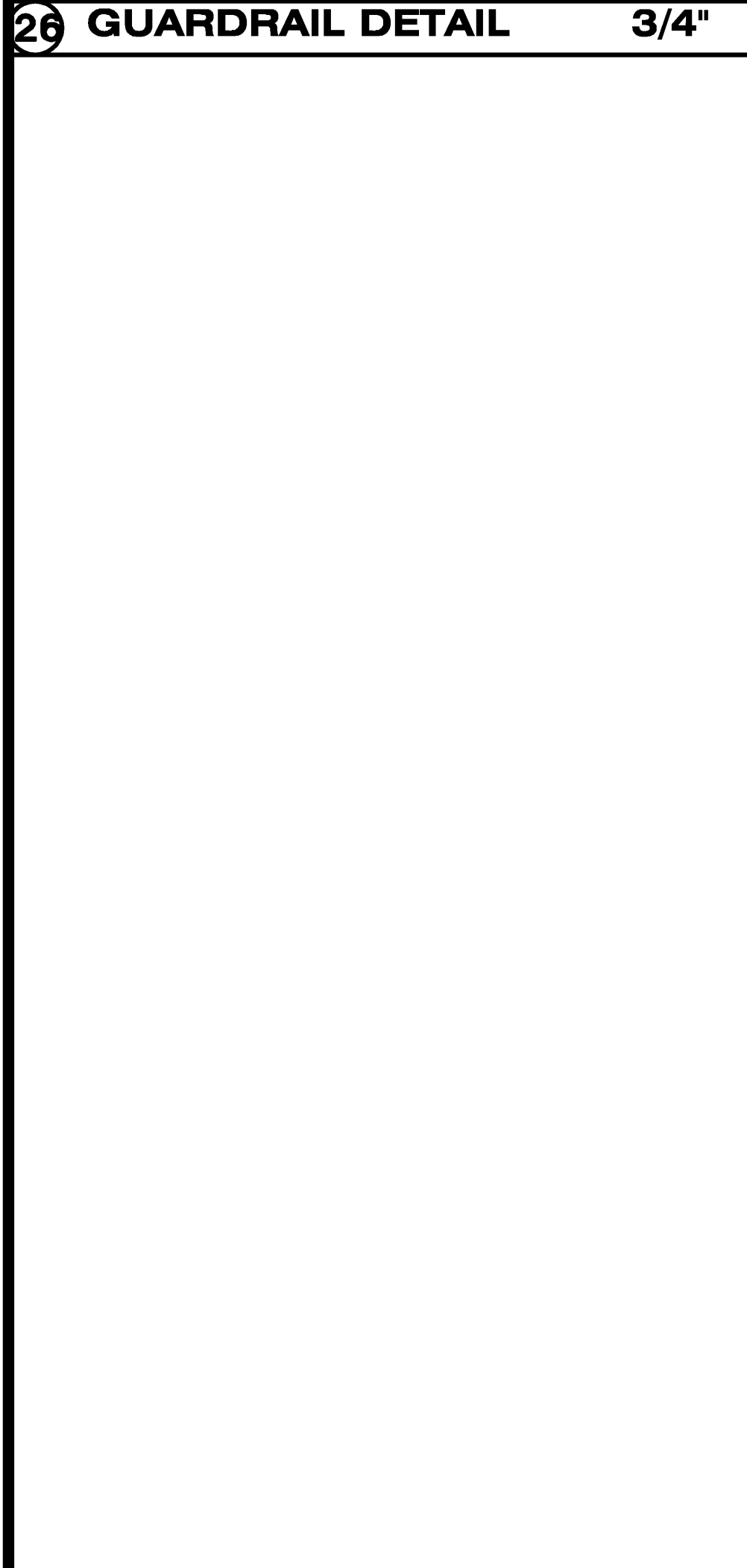
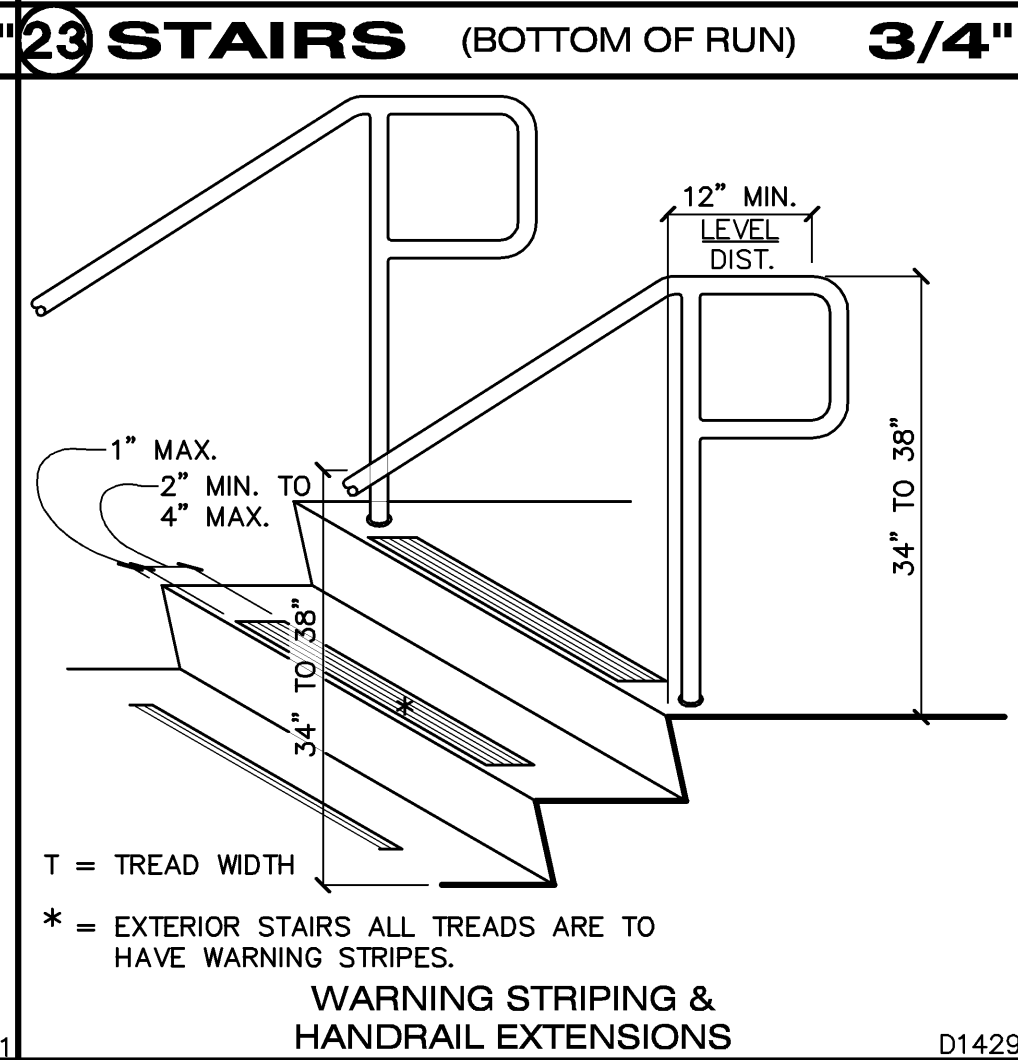
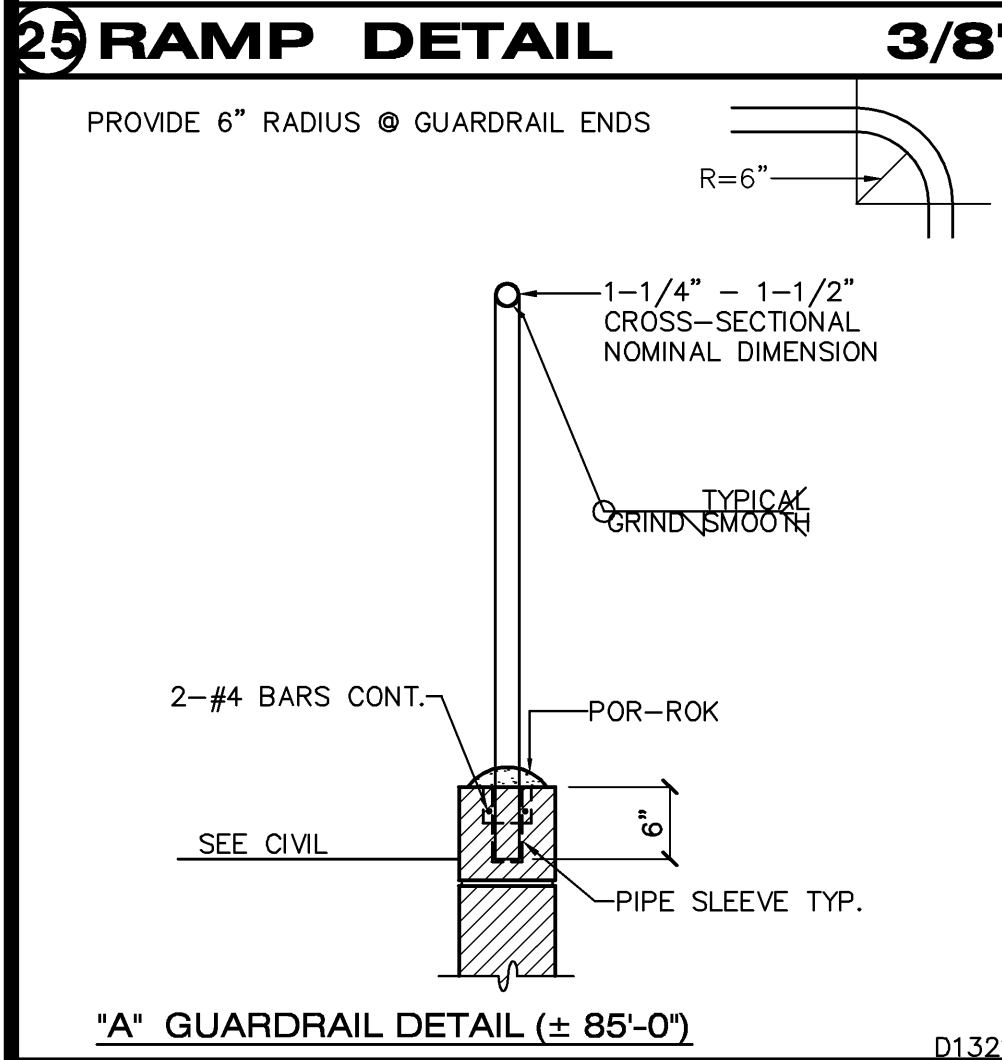
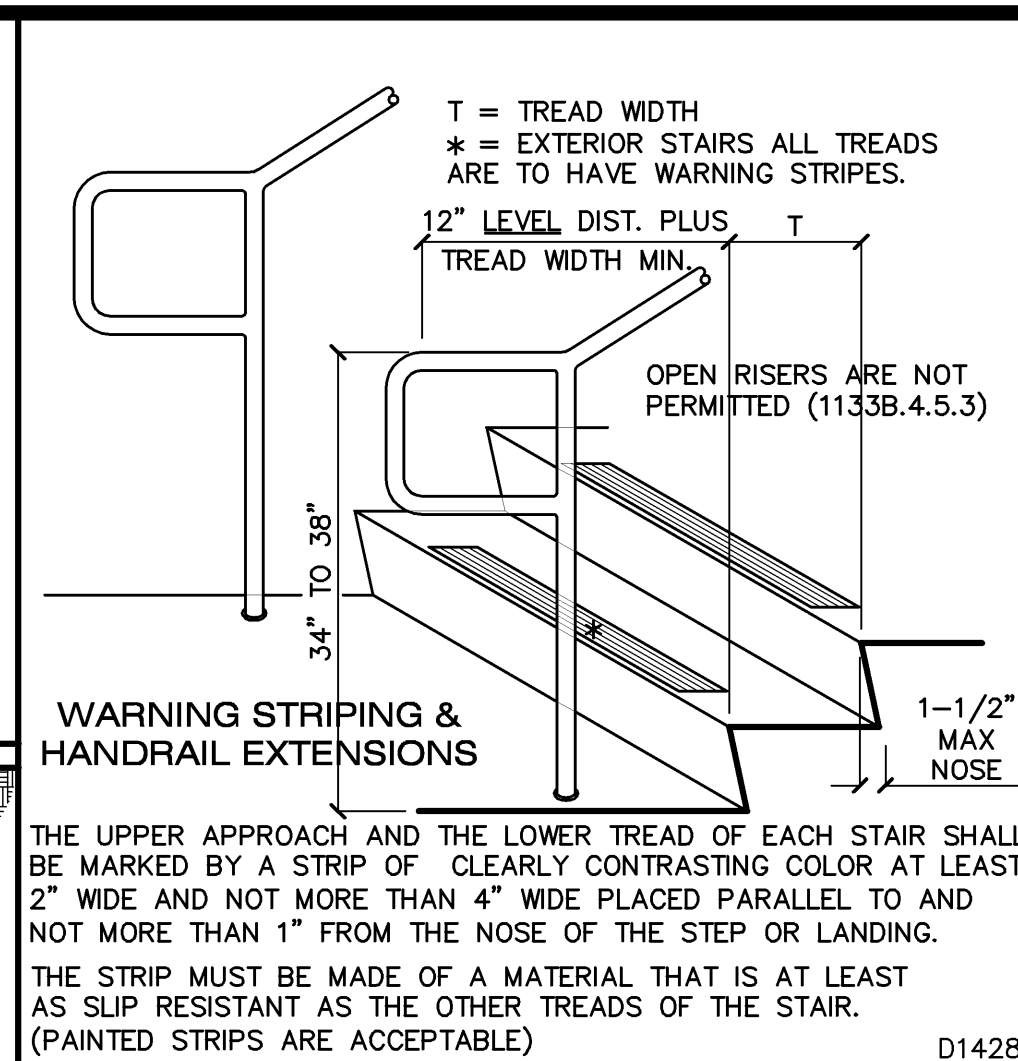
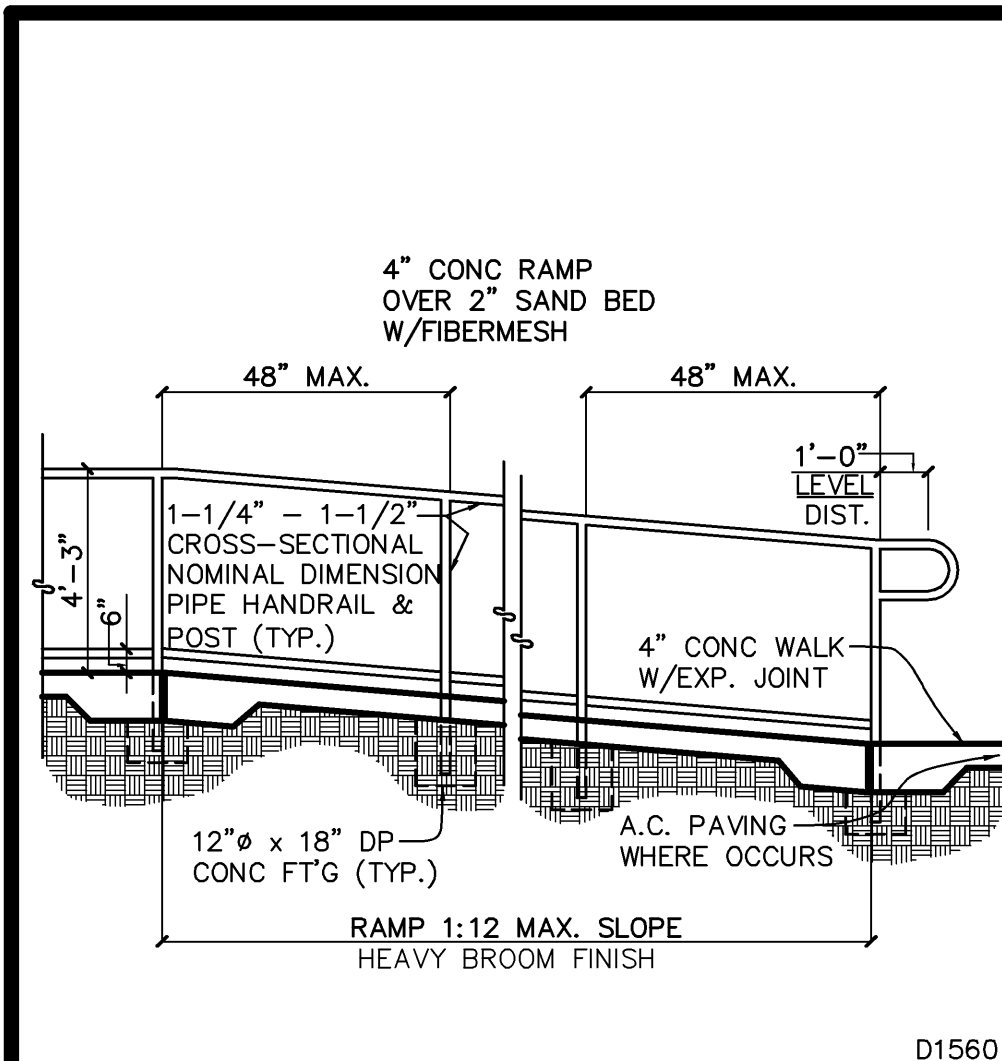
NO.	DATE

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EXP. 12/31/21

DWG. BY L.H.  
CHK'D BY  
DATE 10-18-10  
JOB NO.  
FILE NO.

SHEET **HC-1** OF SHEET



**DOORS:**

- EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR OTHER SPECIAL KNOWLEDGE OR EFFORT.
- EVERY REQUIRED EXIT DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 36" IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. WHEN INSTALLED IN EXIT DOORWAYS, EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE EXIT IS NOT LESS THAN 32". IN COMPUTING THE EXIT WIDTH REQUIRED BY SUBSECTION 3303(b), THE NET DIMENSION OF THE EXIT SHALL BE USED.
- FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- WHERE A PAIR OF DOORS IS UTILIZED AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- WHEN AN AUTOMATIC DOOR OPERATOR IS UTILIZED TO OPERATE A PAIR OF DOORS, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
- REVOLVING DOORS SHALL NOT BE USED AS A REQUIRED ENTRANCE FOR THE PHYSICALLY HANDICAPPED/PEOPLE WITH PHYSICAL DISABILITIES.

**TURNSTILES:**

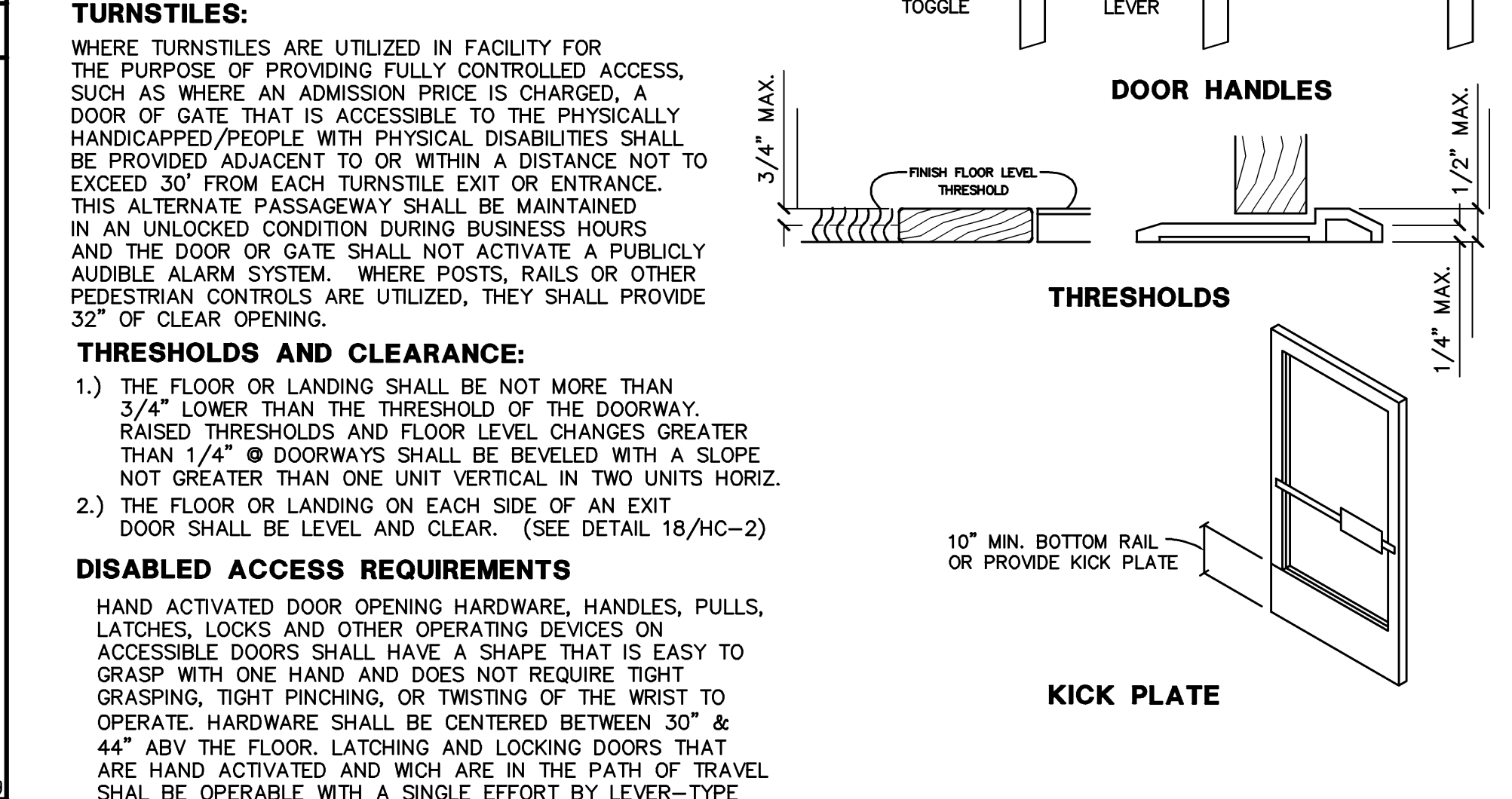
WHERE TURNSTILES ARE UTILIZED IN FACILITY FOR THE PURPOSE OF PROVIDING FULLY CONTROLLED ACCESS, SUCH AS WHERE AN ADMISSION PRICE IS CHARGED, A DOOR OF GATE THAT IS ACCESSIBLE TO THE PHYSICALLY HANDICAPPED/PEOPLE WITH PHYSICAL DISABILITIES SHALL BE PROVIDED ADJACENT TO OR WITHIN A DISTANCE NOT TO EXCEED 30' FROM EACH TURNSTILE EXIT OR ENTRANCE. THIS ALTERNATE PASSAGEWAY SHALL BE MAINTAINED IN AN UNLOCKED CONDITION DURING BUSINESS HOURS AND THE DOOR OR GATE SHALL NOT ACTIVATE A PUBLICLY AUDIBLE ALARM SYSTEM. WHERE POSTS, RAILS OR OTHER PEDESTRIAN CONTROLS ARE UTILIZED, THEY SHALL PROVIDE 32" OF CLEAR OPENING.

**THRESHOLDS AND CLEARANCE:**

- THE FLOOR OR LANDING SHALL BE NOT MORE THAN 3/4" LOWER THAN THE THRESHOLD OF THE DOORWAY. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES GREATER THAN 1/4" @ DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZ.
- THE FLOOR OR LANDING ON EACH SIDE OF AN EXIT DOOR SHALL BE LEVEL AND CLEAR. (SEE DETAIL 18/HC-2)

**DISABLED ACCESS REQUIREMENTS**

HAND ACTIVATED DOOR OPENING 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. HARDWARE SHALL BE CENTERED BETWEEN 30" & 44" ABV THE FLOOR. LATCHING AND LOCKING DEVICES THAT ARE HAND ACTIVATED AND WHICH ARE IN THE PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE. LOCKED EXIT DOORS SHALL OPERATE AS ABV IN EGRESS DIRECTION.

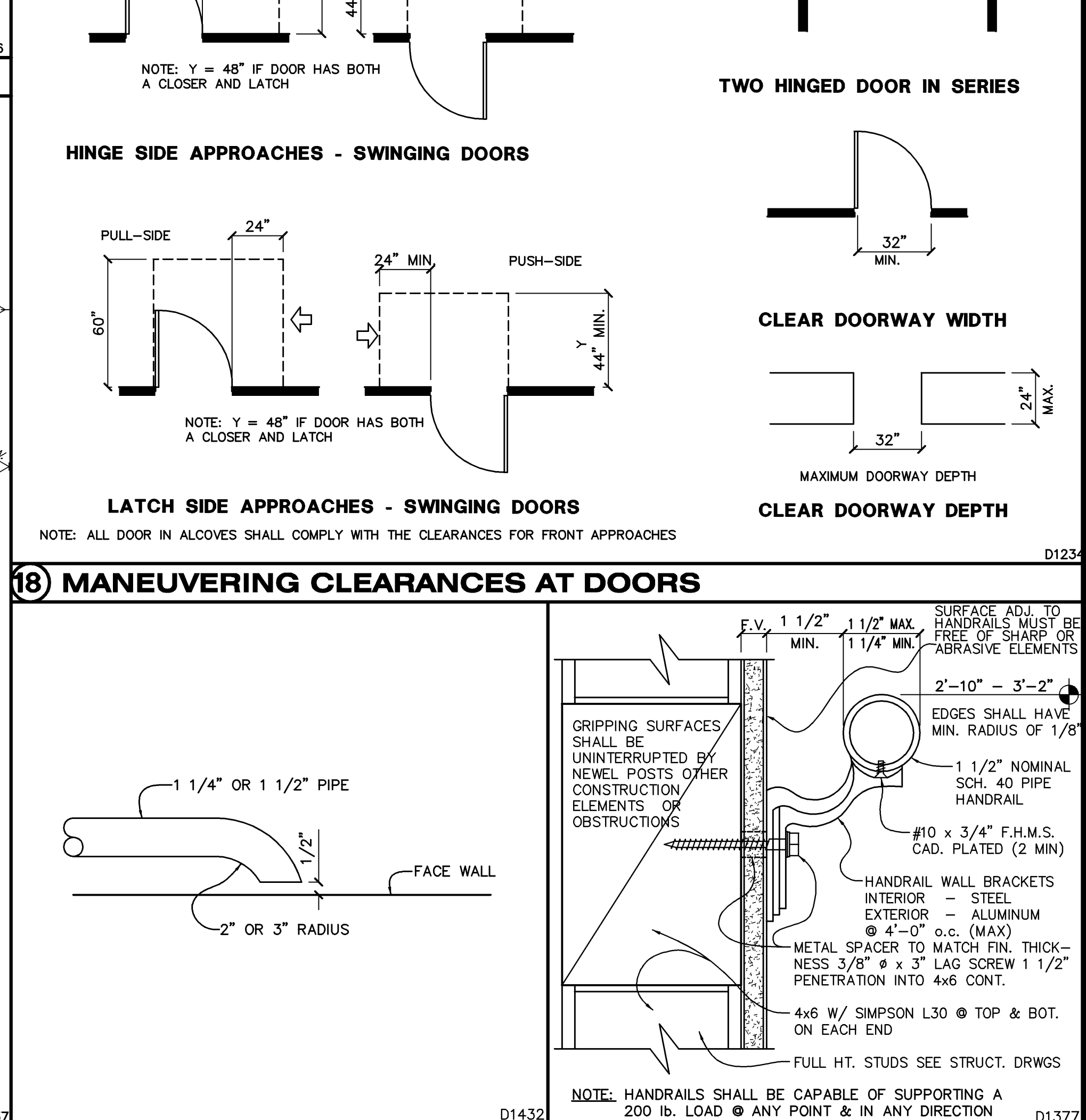
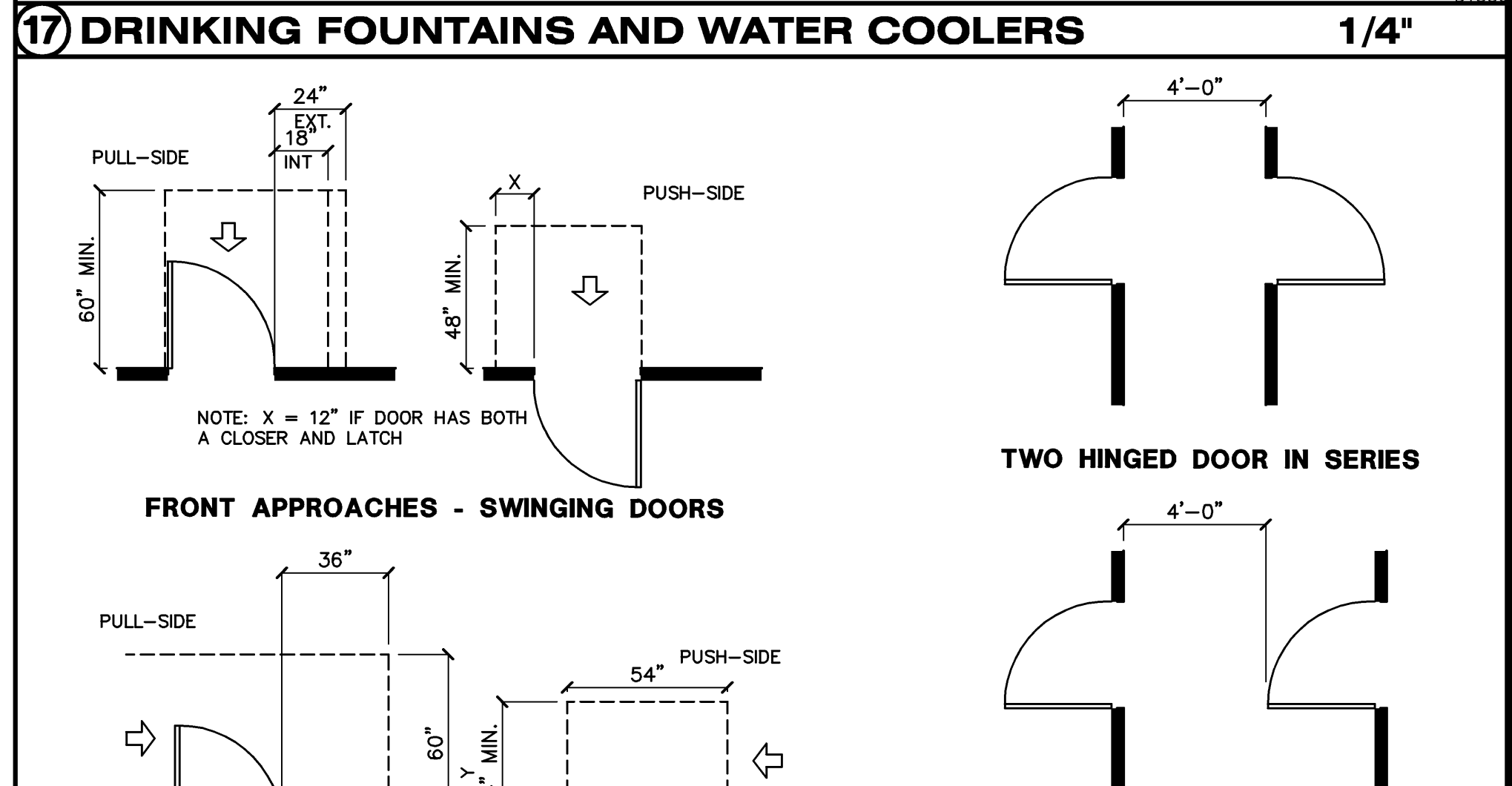
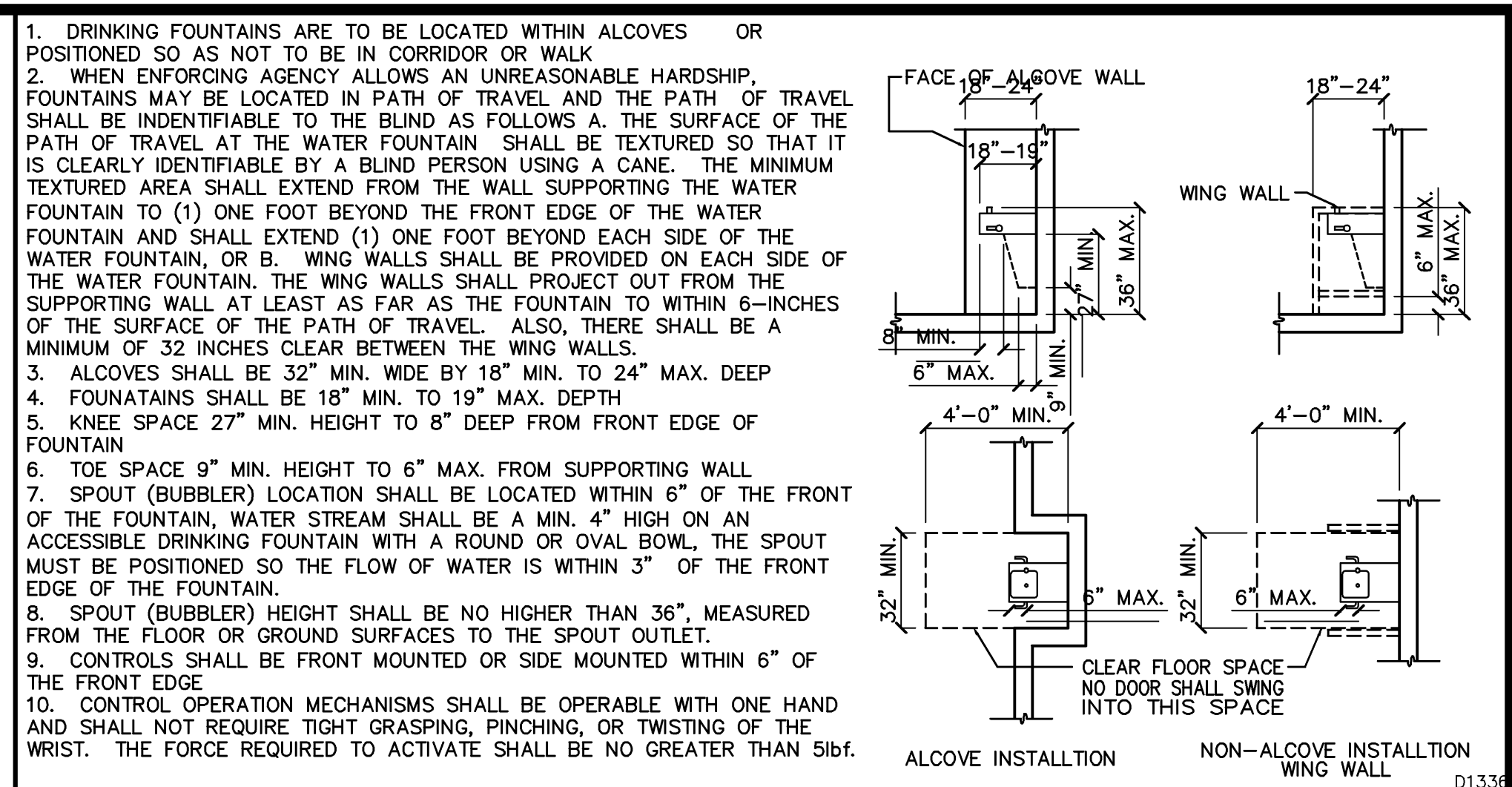


**RAMP NOTES:**

- MAXIMUM ALLOWABLE SLOPE OF A RAMP IS 1:12
- LANDINGS ARE REQUIRED AT TOP AND BOTTOM OF EVERY RAMP
- PEDESTRIAN RAMPS SERVING PRIMARY ENTRANCES TO BUILDINGS WITH AN OCCUPANCY LOAD OF 300 OR MORE WILL REQUIRE 60" CLEAR WIDTH
- RAMPS WITH OCCUPANCY LOAD OF LESS THAN 300 MAY BE 36" WIDE (HOTELS, APARTMENT HOUSES, CONVENTS, MONASTERIES, DWELLINGS)
- INTERMEDIATE LANDINGS ARE REQUIRED TO BE 60" LONG IN DIRECTION OF TRAVEL
- HANDRAILS ARE REQUIRED ON EACH SIDE OF RAMP, CONTINUOUS FOR FULL LENGTH OF RAMP. (SLOPES EXCEEDING 1:20) UNLESS THE RAMP IS AT AN EXTERIOR DOOR LANDING AND DOES NOT EXCEED 6' IN LENGTH OR 6" IN HEIGHT.
- RAMPS WITH SLOPES OF 1:16 OR GREATER ARE REQUIRED TO BE SLIP RESISTANT FINISH

**EXTERIOR HAZARDS:**

- WARNING CURBS: ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND ADJACENT STREET OR DRIVEWAYS, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNTAINS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS, OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY CURBS PROJECTING AT LEAST 8 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 3 INCHES PLUS OR MINUS ONE INCH ABOVE THE SURFACE OF THE WALK OR SIDEWALK, THE WALK IS 5 PERCENT OR LESS GRADIENT OR NO ADJACENT HAZARDS EXIST. 1133B.8.J



**PASQUINI ENGINEERING INCORPORATED**  
 Telephone: (651) 298-8600  
 Fax: (651) 292-9000  
 603 H Street Suite 200  
 Bakerfield, CA 93304

NO.	DATE

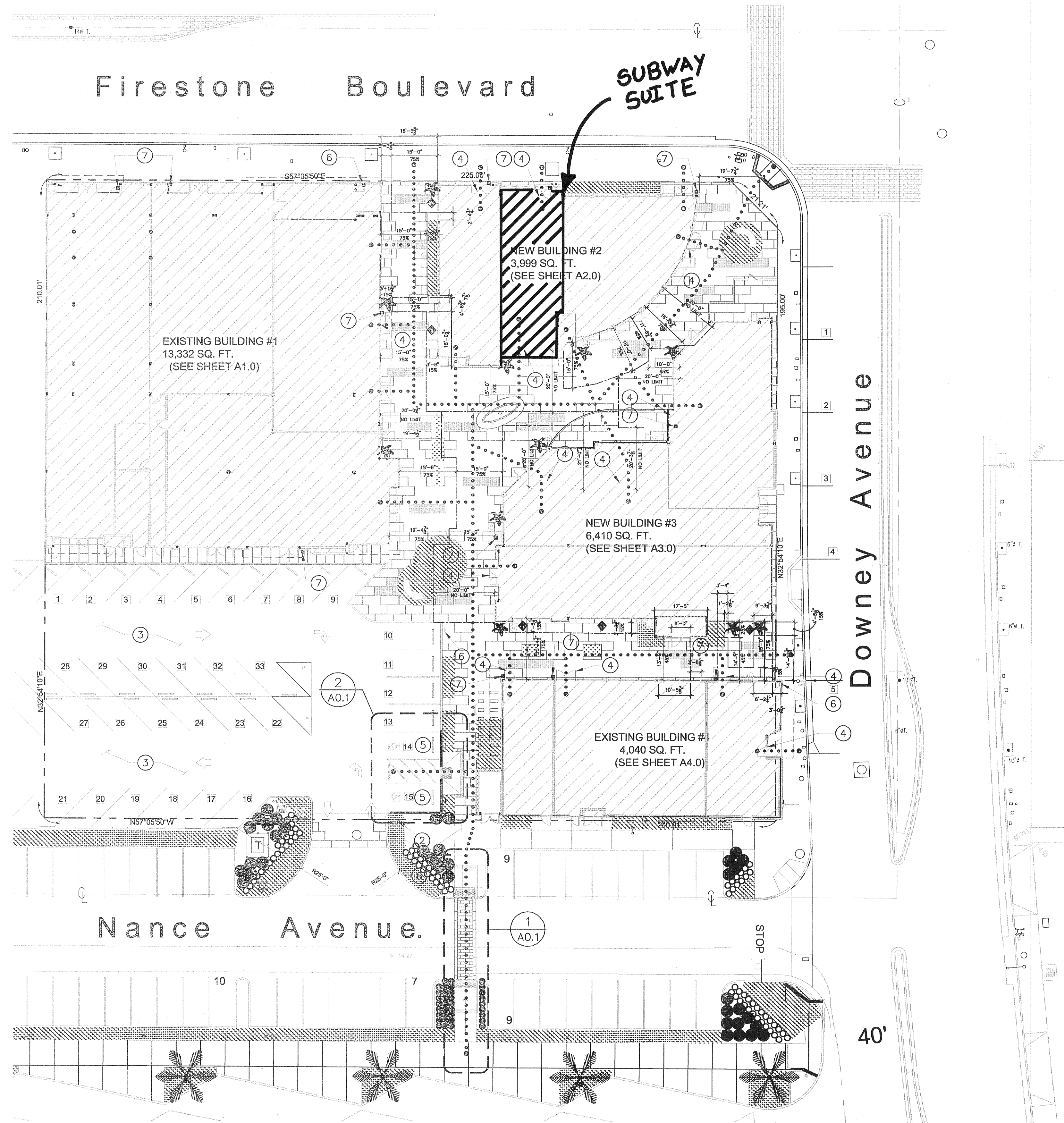
THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS A "WET STAMP & SIGNATURE" FROM BOTH THE ENGINEER OF RECORD AND A APPROVAL STAMP WITH A "WET STAMP & SIGNATURE" FROM THE LOCAL GOVERNING AGENCY ARE PRESENT.

DWG. BY	CHK'D BY	DATE	JOB NO.	FILE NO.
		10-18-10		

EXP. 12/31/12

**HC-2**

SHEET OF SHEET



PARKING COUNT	
STANDARD STALLS:	31
ACCESSIBLE STALLS:	2
TOTAL:	33
REQUIRED:	2 ADA

LEGENDS	
---	PROPERTY LINE
●●●●●●●●	PATH OF TRAVEL
---	ASSUMED IMAGINARY LINE PER CBC 705.3
◆	PER CBC SEC 705.8.2 PROTECTED EXTERIOR OPENINGS Y A WATER CURTAIN IN ACCORDANCE WITH SEC. 903.3.1.1 NFPA 13 SYSTEM
KB	FIRE KNOX-BOX MOUNTED 8'-0" TO 10'-0" ABOVE FINISH FLOOR. APPROVED BY DOWNEY FIRE DEPT. SEE DETAIL AND SPECIFICATIONS

KEY NOTES	
① (N)	CONCRETE STAMP PATTERN (N)
②	HANDICAP SITE ENTRANCE SIGNAGE, SEE DETAIL (17 AD.6)
③ (N)	TYPICAL SURFACE MARKINGS, SEE DETAILS (10 AD.6)
④ (N)	EXTERIOR & EXIT DOOR TACTILE EGRESS SIGNS, SEE DETAIL (1-D AD.6)
⑤ (N)	ACCESSIBLE PARKING STALLS TO MEET ADA REQUIREMENTS.
⑥ (N)	ADA PATH ACCESS PATH SIGNS SEE DETAIL (18 AD.6)
⑦ (N)	KNOX-BOX

Westland Real Estate Group  
 Architectural Division  
 6665 Long Beach Blvd., L.B., CA 90805  
 (310) 639-7130 Fax (310) 635-7608

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SIGNATURE DATE:

PROJECT

OWNER  
**AMUSEMENT INDUSTRY COMMERCIAL PROPERTIES PARTNERSHIP #2**  
 6665 Long Beach Blvd.  
 Long Beach, CA 90805  
 (310) 639-7130  
 (310) 635-7608 fax

PROJECT  
**DOWNEY GATEWAY**  
 8236-8274 FIRESTONE BOULEVARD,  
 DOWNEY, CA 90241

Submittals:  
 Bldg. Submittal 4-08-11

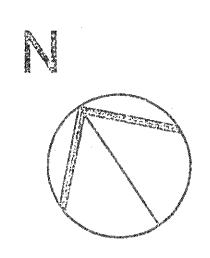
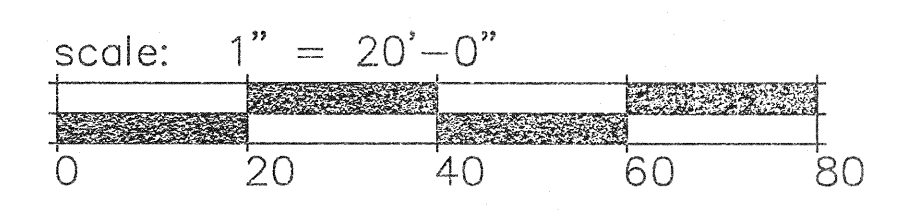
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Drawn By:	MM, BC & TT
Reviewed By:	GM
Scale:	NTS
Date:	4-08-11
Filename:	
Sheet Title:	

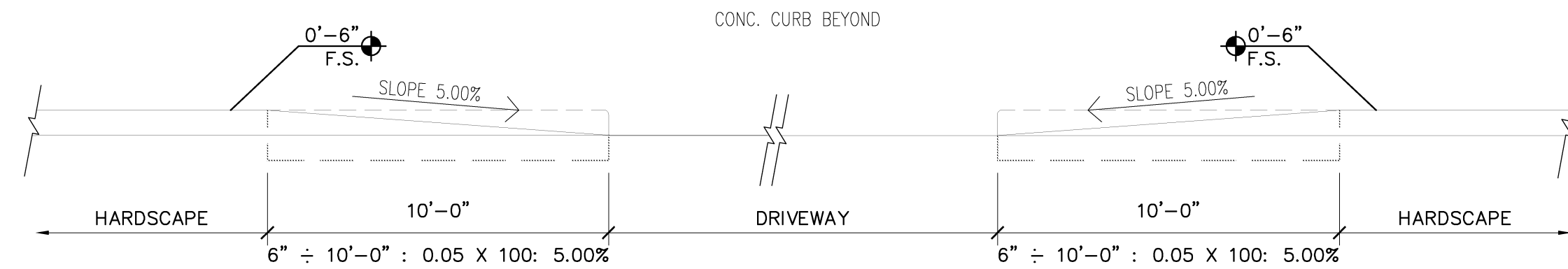
ADA PATH OF TRAVEL PLAN

Sheet #:

**A0.0**

Not for construction until reviewed, signed, and dated.

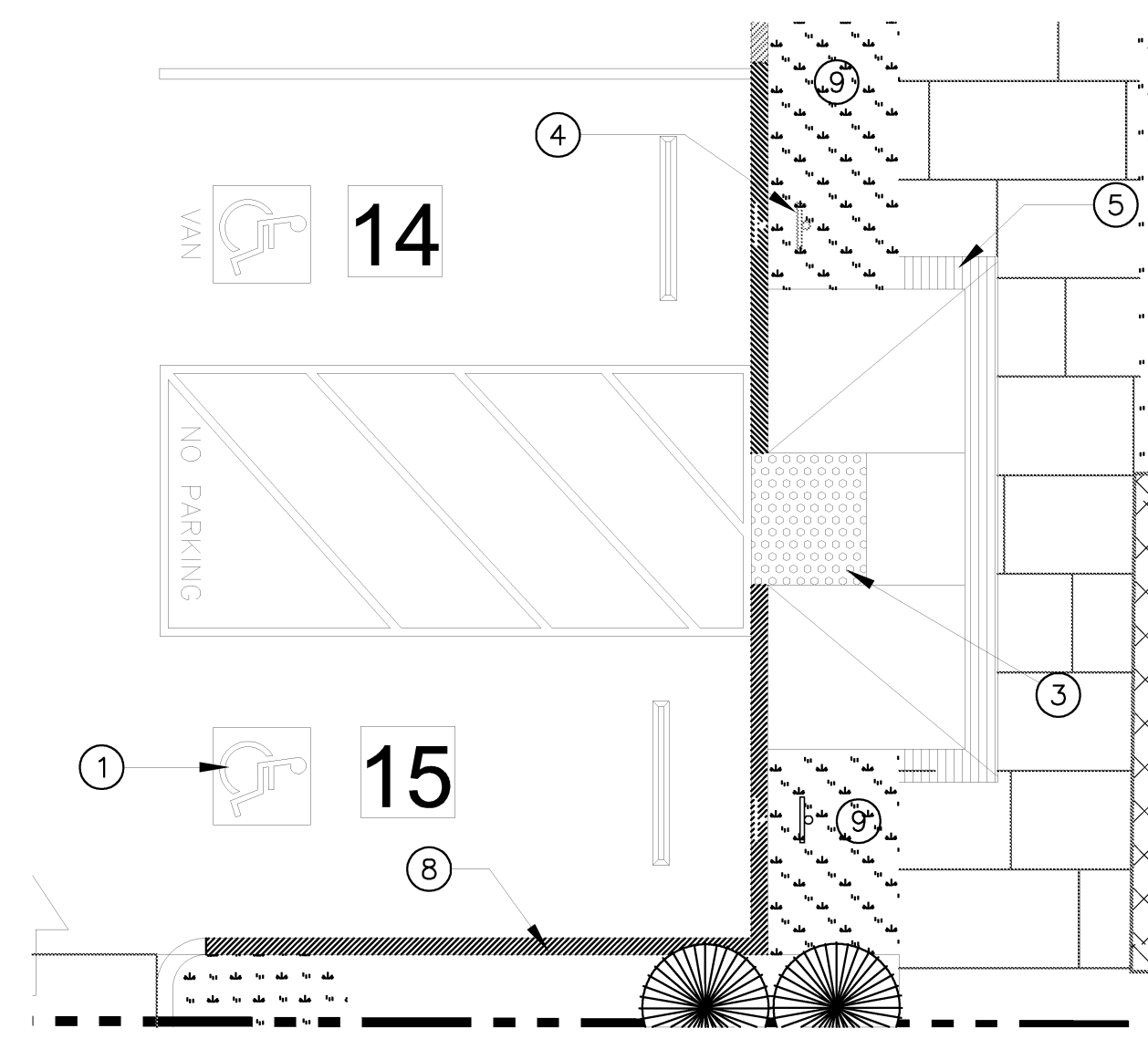




SECTION

SCALE: 3/8"= 1'- 0"

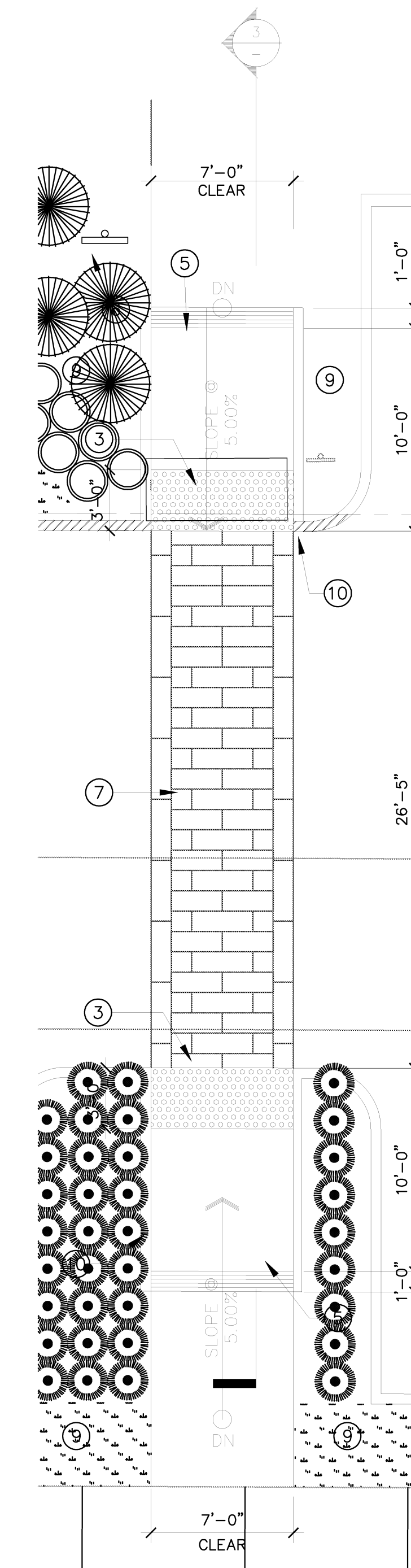
3



ENLARGED HC PARKING

SCALE: 3/16"= 1'- 0"

2



ENLARGED PLAN

SCALE: 3/16"= 1'- 0"

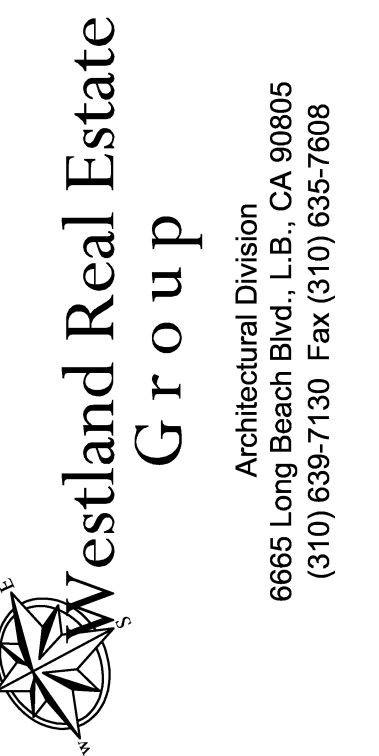
1

KEYNOTES

- ① (N) FEDERAL STANDARD SYMBOL OF ACCESSIBILITY SIGN, SEE DETAIL:
- ② (N) CONCRETE WHEEL STOP, SEE DETAIL:
- ③ (N) TRUNCATED DOMES, 3"-0" MIN. WIDTH X LENGTH, SEE DETAIL:
- ④ (N) HANDICAP PARKING SIGN, SEE DETAILS:
- ⑤ (N) GROOVED WARNING BORDER, SEE DETAIL:
- ⑥ (N) ADA PATH ACCESS PATH SIGNS SEE DETAIL:
- ⑦ (N) CONCRETE STAMP PATTERN
- ⑧ (N) BLUE PAINTED CURB AT HANDICAPPED STALL ONLY, TYP.
- ⑨ (N) PLANTER AREA
- ⑩ (N) 6" CONC. CURB

NOTES

- 1. SURFACES SLOPES OF PARKING SPACES SHALL NOT EXCEED 1/4" PER FOOT IN ANY DIRECTION.
- 2. PAINT 12" HIGH, 1" WIDE STENCIL LETTER TO READ " NO PARKING" WITH HIGHWAY WHITE PAINT OVER YELLOW HIGHWAY PAINT (2 COATS), TYP.



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SIGNATURE DATE:

PROJECT

DOWNNEY GATEWAY  
8236- 8274 FIBERSTONE BOULEVARD,  
DOWNNEY, CA 90241

OWNER

AMUSEMENT INDUSTRY  
COMMERCIAL PROPERTIES  
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6665 Long Beach Blvd  
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(310) 639-7130  
(310) 635-7608 fax

Submittals:

Bldg. Submittal 4-08-11

No. Description

Project No.: 2337

Drawn By: MM, BC & TT

Reviewed By: GM

Scale: NTS

Date: 4-08-11

Filename:

Sheet Title:

ENLARGED PLAN,  
SECTION AND  
DETAILS

Sheet #:

A0.0.1

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