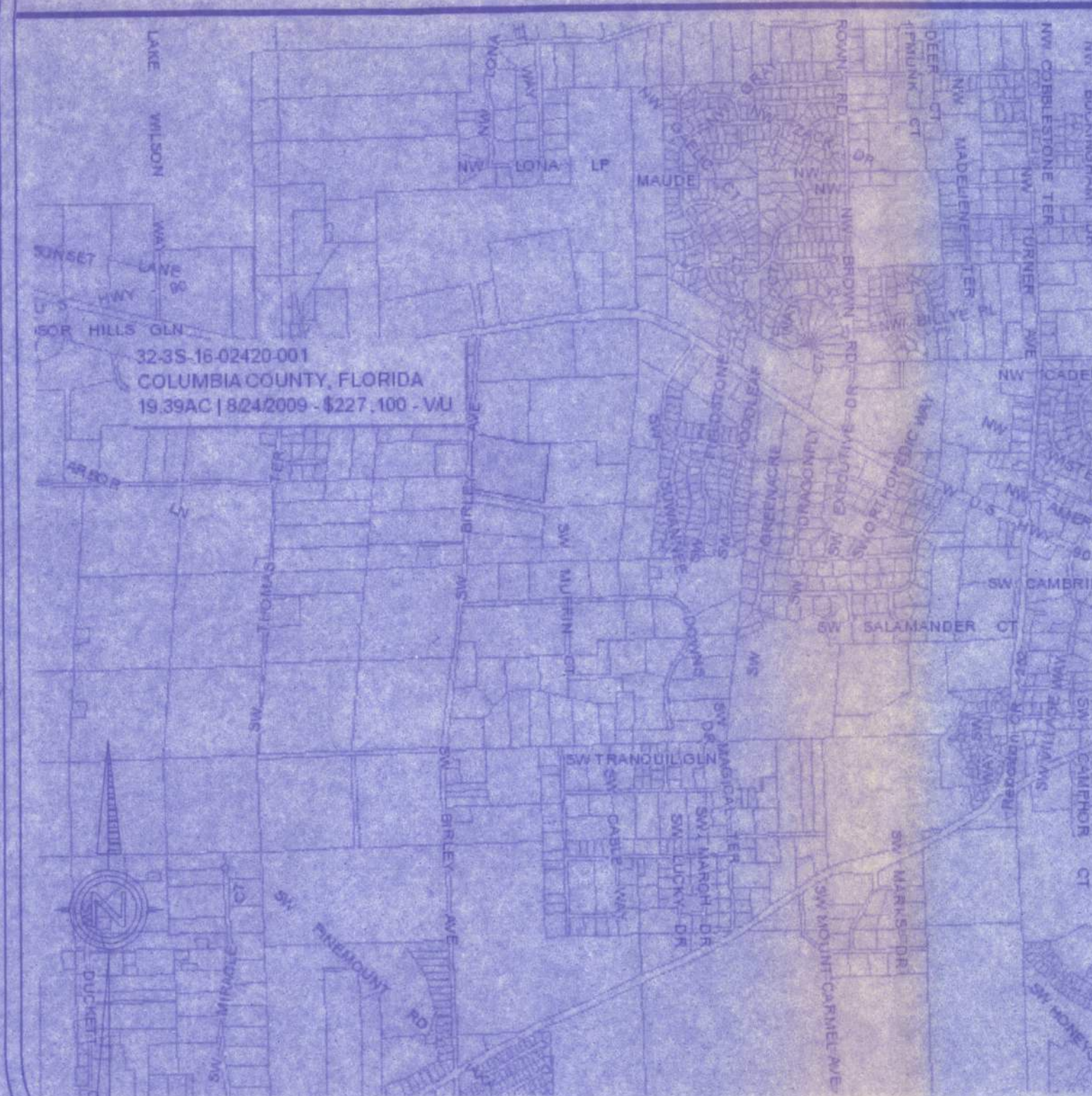


ABBREVIATIONS

A.B.	Anchor Bolt	F.B.C.	Florida Bldg. Code	Opt'g.	Opening
Abv.	Above	Fin. Flr.	Finished Floor	Opt.	Optional
A/C	Air-Conditioner	F.G.	Fixed Glass	P.	Piece
Adj.	Adjustable	Flr.	Floor	Ped.	Pedestal
A.F.F.	Above Finished Floor	Fdn.	Foundation	P.L.	Paralam
A.H.U.	Air Handler Unit	Flr. Sys.	Floor System	PLF	Pounds per linear foot
ALT.	Alternate	F.Pl.	Fireplace	Plt. Ht.	Plate Height
B.C.	Base Cabinet	Fl.	Foot / Feet	Plt. Sh.	Plant Shelf
B.F.	Bifold Door	Fig.	Footing	PSF	Pounds per square foot
Bk Sh.	Book Shelf	FX	Fixed	P.T.	Pressure Treated
Bm.	Beam	Galv.	Galvanized	Pwd.	Powder Room
BOT.	Bottom	G.C.	General Contractor	Rad.	Radius
B.P.	Bypass door	G.F.I.	Ground Fault Interrupter	Ref.	Refrigerator
Brg.	Bearing	G.T.	Girder Truss	Req'd.	Required
Clr.	Circle	Hdr.	Header	Rm.	Room
Clg.	Ceiling	Hgt.	Height	Rnd.	Round
Col.	Column	HB.	Hose Bibb	R/SH	Rod and Shelf
Comp.	A/C Compressor	Int.	Interior	SD.	Smoke Detector
C.T.	Ceramic Tile	K/Wall	Kneewall	S.F.	Square Ft.
D.	Dryer	K.S.	Knee Space	Sh.	Shelves
Dec.	Decorative	Laun.	Laundry	SHT	Sheet
Dev.	Dedicated Outlet	Lav.	Lavatory	S.L.	Side Lights
Dbt.	Double	L.F.	Linear Ft.	S.P.F.	Spruce Pine Fir
Dia.	Diameter	L.T.	Laundry Tub	Sq.	Square
Disp.	Disposal	Mas.	Masonry	S.Y.P.	Southern Yellow Pine
Dist.	Distance	Max.	Maximum	Temp.	Tempered
D.S.	Drawer Stack	M.C.	Medicine Cabinet	Thick'n.	Thicken
D.V.	Dryer Vent	MDP	Master Distribution Panel	T.O.B.	Top of Block
D.W.	Dishwasher	Mfr.	Manufacturer	T.O.M.	Top of Masonry
Ea.	Each	Micro.	Microwave	T.O.P.	Top of Plate
Ea. Way	Each Way	Min.	Minimum	Trans.	Transom Window
Elev.	Elevation	Mir.	Mirror	Typ.	Typical
Eleg.	Electrical	M.L.	Microfilm	UCL	Under Cabinet Lighting
Ext.	Exterior	Mono.	Monolithic	U.N.O.	Unless Noted Otherwise
Exp.	Expansion	N.T.S.	Not to Scale	VB	Vanity Base

SYMBOLS LEGEND

	section number	SECTION MARK
	detail number	DETAIL MARK
	interior elevation number	INTERIOR ELEVATION MARK
	room number	DOOR MARK
	door identification	ROOM NUMBER



LOCATION MAP

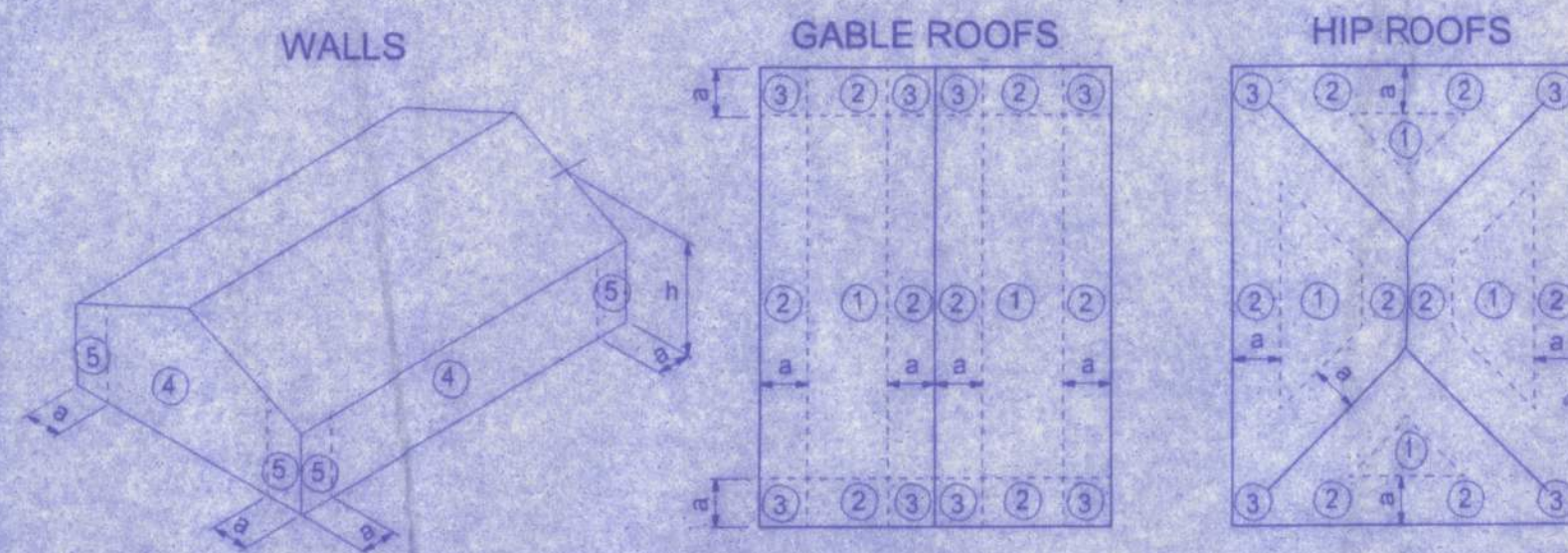
STRUCTURAL DESIGN CRITERIA

CODES:	FLORIDA BUILDING CODE, 2007 EDITION WITH 2009 REVISIONS BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05) SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-05) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05) NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2001 EDITION APA PLYWOOD DESIGN SPECIFICATION	
LIVE LOADS:	ROOF ASSEMBLY STORAGE	20 PSF (REDUCIBLE) 100 PSF 120 PSF
CONCRETE STRENGTH @ 28 DAYS	ALL CONCRETE UNLESS OTHERWISE INDICATED PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY (DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS)	2500 PSI 3000 PSI
REINFORCING:	WELDED WIRE FABRIC SHALL CONFORM TO ALL REINFORCING BARS ALL STIRRUPS AND TIES	ASTM A185 ASTM A615-60 60,000 PSI ASTM A615-60 60,000 PSI
CONCRETE MASONRY UNITS:	ASTM C90-99B, STANDARD WEIGHT UNITS, fm=1500 PSI MORTAR TYPE "S" 1300 PSI CONCRETE GROUT 3000 PSI CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION	
STRUCTURAL STEEL:	ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O. SHOP AND FIELD WELDS: E70XX ELECTRODES ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307	
WOOD FRAMING:	BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O. NO. 2 SOUTHERN YELLOW PINE (19% M.C.) ROOF DECK: PLYWOOD C-C/D, EXTERIOR, OR OSB FLOOR SHEATHING: T&G A-C GROUP 1 APA RATED (48/24) WALL SHEATHING: PLYWOOD C-C/D, EXTERIOR OR OSB VERSA LAM BEAM Pb = 2900 PSI (2.0E) WOOD COLS. PARALLAM 2.0E U.N.O.	
WOOD ROOF TRUSSES:	TOP CHORD LIVE AND DEAD LOAD: BOTTOM CHORD DEAD LOAD: TOTAL:	30 PSF 10 PSF 40 PSF

SEE DRAWINGS FOR SPECIAL CONCENTRATED LOADS. DESIGN FOR NEW WIND UPLIFT AS PER SPECIFIED CODES, DEDUCTING A MAXIMUM OF 5 P.S.F. DEAD LOAD, BUT NOT EXCEEDING ACTUAL DEAD LOAD.

SOIL BEARING VALUE: ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 1500 PSF
SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS
IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY
THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007.		
BASIC WIND SPEED	110 MPH	
IMPORTANCE FACTOR	1.00	
BUILDING CATEGORY	II	
EXPOSURE	B	
INTERNAL PRESSURE COEFFICIENT	+/- 0.18	
TYPE OF STRUCTURE	ENCLOSED	
MWFRS PER ASCE 7	Zone 1 - Windward Wall	18.2 psf
DESIGN WIND PRESSURES WORST CASE	Zone 2 and 3 - Windward and Leeward Roof	-27.3 psf
	Zone 2 - Sloped Windward Roof	+4.9 psf, -11.7 psf
	Zone 3 - Leeward Roof	-14.6 psf
	Zone 4 - Leeward Wall	-12.8 psf
	Zone 5 & 6 Sidewalls	-16.4 psf
	Zone 7 - Overhang	14.4 psf
COMPONENTS AND CLADDING PER ASCE 7	Wall	Zone 4 25.0 psf, Zone 5 25.0 psf
DESIGN WIND PRESSURES WORST CASE	Roof	Zone 1 14.4 psf, Zone 2 14.4 psf, Zone 3 14.4 psf



a: 10% of least horizontal dim. or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft.
h: mean roof height, in feet

COMPONENTS AND CLADDING

BUILDING USE, CLASSIFICATION & OCCUPANCY AS PER TABLES 503 & 1004.1.1, FLORIDA BUILDING CODE, 2007 ED.

BUILDING GROUP OCCUPANCY	GROUP A-3/S-2
TABLE 503 TYPE OF CONSTRUCTION	TYPE V-B unspinkled
TABLE 503 AREA/HEIGHT LIMITATIONS	10.5 KSF/1 STORY
OCCUPANCY	
LOAD CAPACITY:	assembly 15 net = 288 people storage 300 gross = 3 people office = 100 gross = 3 people
	294 OCCUPANTS

MEANS OF EGRESS FBC CHAPTER 10		
OCCUPANCY CLASSIFICATION	UNSPRINKLERED & UNPROTECTED	
GROUP A-3 - Community Center	REQUIRED	PROVIDED
MAX. TRAVEL DIST. (TABLE 1016.1)	200 FT	115 FT
MAX. DEAD-END CORRIDOR (FBC 1017.3)	20 FT	20 FT
TOTAL # OF EXITS (TABLE 1019.1)	2	3
EGRESS WIDTH PER PERSON (LEVEL) (TABLE 1005.1)	0.2 292 x 0.2 = 58.4"	34"/142 = 0.23
MINIMUM CORRIDOR AISLE WIDTH (FBC 1017.2)	44"	50"
MIN. CLEAR OPENING OF EXIT DOORS (FBC 1008.1.1)	32"	34"

MINIMUM NUMBER OF PLUMBING FACILITIES:
TABLES 403.1 FLORIDA PLUMBING CODE, 2007 ED.

294 OCCUPANTS = 147 MEN & 147 WOMEN					
OCCUPANCY	WATER CLOSETS		LAVS		SERVICE SINKS
	M	F	M	F	
A-3	1 per 125	1 per 65	1 per 200	1 per 500	1 service sink
	= 2	= 3	= 2	= 1	
PROVIDED	7	8	5	6	1

REQUIRED OUTDOOR VENTILATION AIR (NEW CONSTRUCTION ONLY)
TABLES 403.3, FLORIDA MECHANICAL CODE, 2007 ED.

BUILDING GROUP OCCUPANCY	OCCUPANT LOAD	OUTDOOR AIR (CFM)
Community Center		
Assembly Space	120/1,000 sf	15 cfm/person
kitchen exhaust/domestic restroom		100 cfm
restroom		50 cfm per water closet or urinal
		50 cfm per shower
	3,900 sf/1000 * 120 * 15 = 7,020 cfm	

AREA MODIFICATIONS

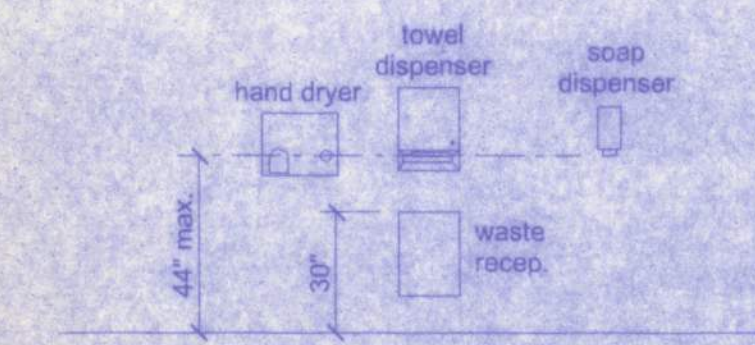
$$A_e = A_i + A_i \cdot I_e$$

$$I_e = \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$$

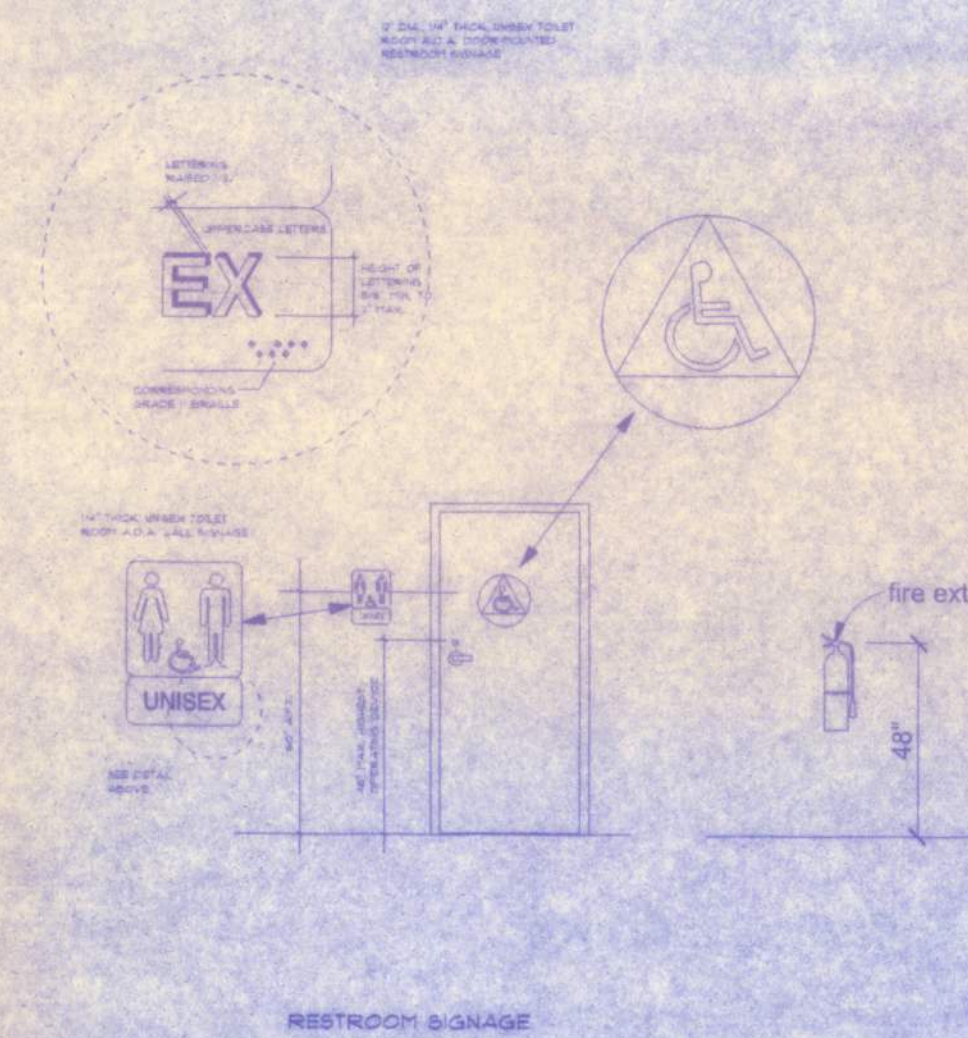
F = building perimeter on public way = 340'
P = building perimeter = 340'
W = Width of public way or open space = 30'

$$I_e = \left[\frac{340}{340} - 0.25 \right] \frac{30}{30} = 0.75$$

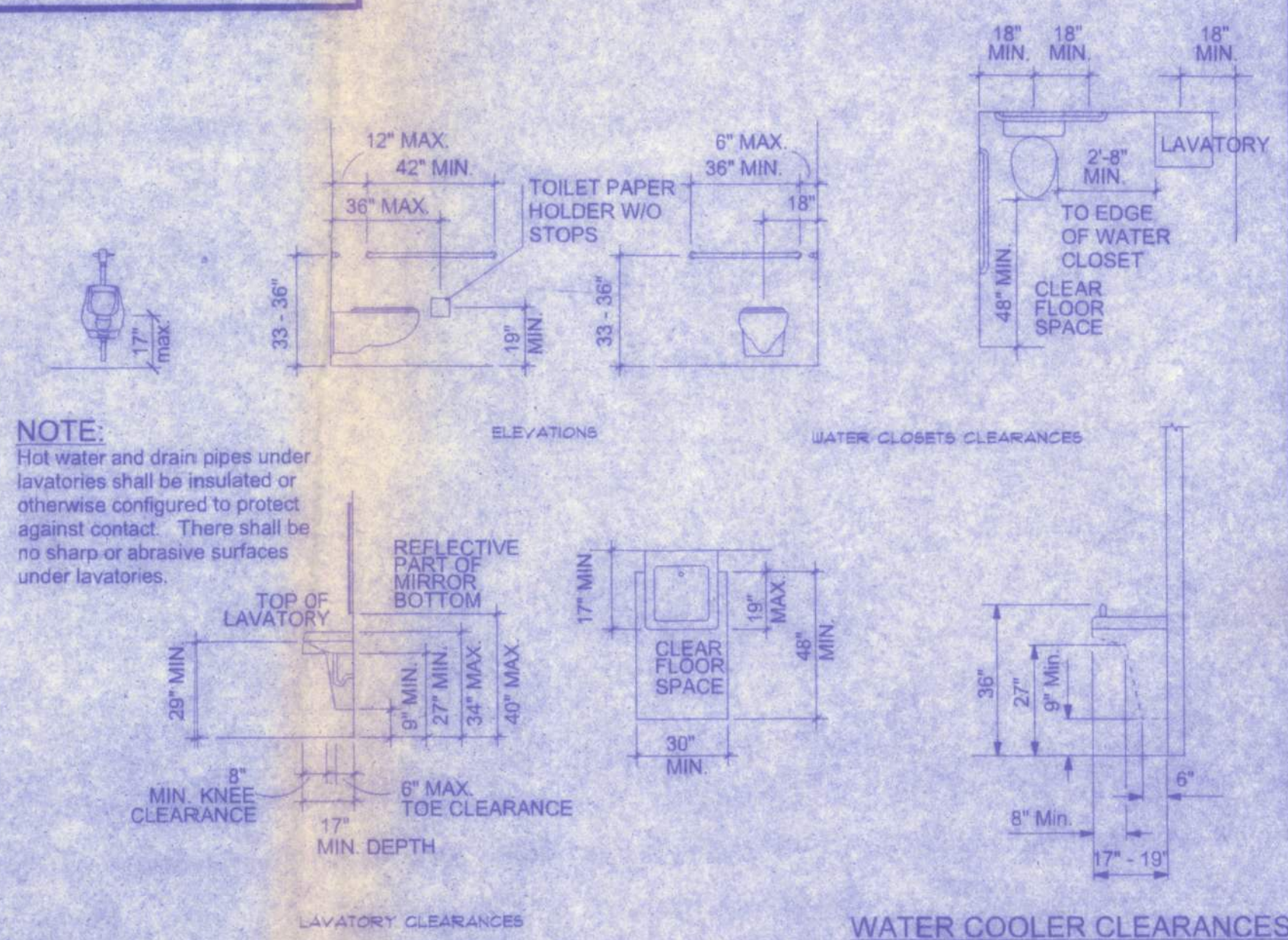
$$A_e = 6,000 + 6,000(0.75) = 10,500 \text{ sq. ft.}$$



TOILET AND BATH ACCESSORIES



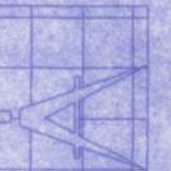
RESTROOM SIGNAGE



NOTE: Hot water and drain pipes under lavatories shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories.

WEST SIDE COMMUNITY CENTER

128 SW NASSAU STREET
LAKE CITY, FL 32025
(386) 758-4209



Freeman
Design Group Inc.

DATE
11/5/10

DRAWN BY
W.H.F.

APPROVED
W.H.F.

REVISIONS

SHEET
A-1

OF
11

PROJECT NO.
08.0037

CERTIFICATE OF AUTHORIZATION # 00008701