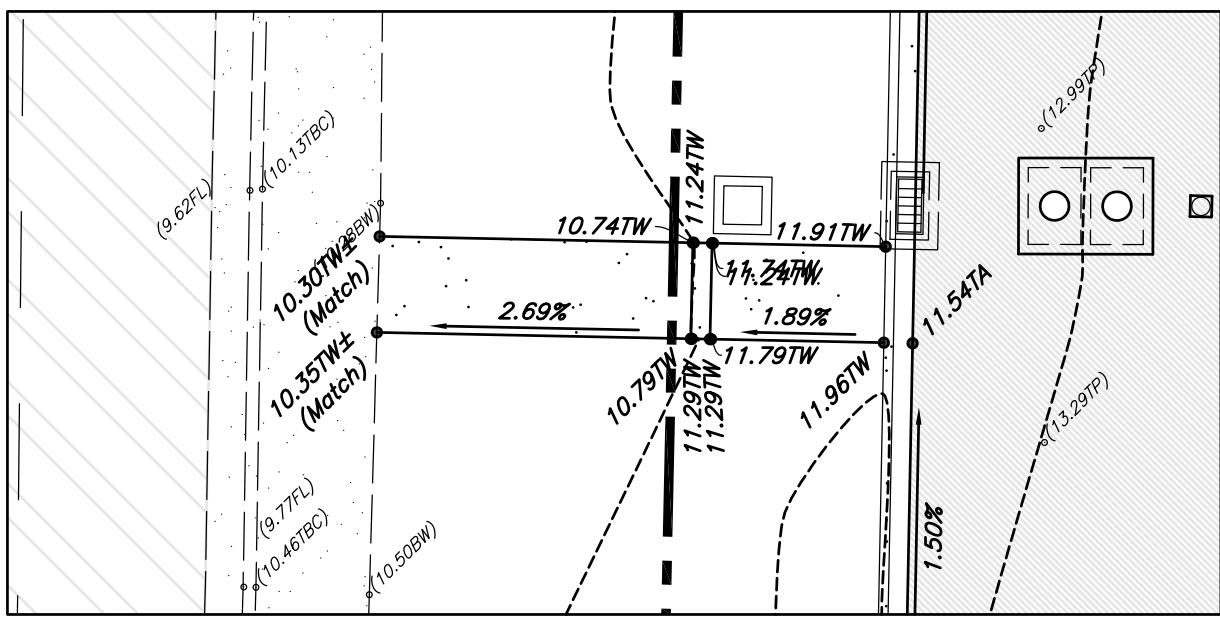
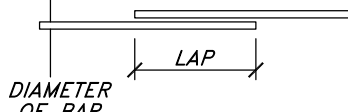


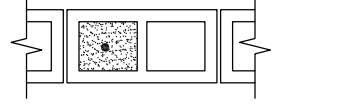


23 *South Sidewalk w/ Steps*
Scale: 1" = 10'

2009 IBC REBAR LAP SPLICE SCHEDULE FOR CONCRETE APPLICATIONS (ACI 318 - 05)					
					
BAR SIZE NO. DIA.	f'c = 3000 PSI				TOP BAR SPLICES
	TYP. SPLICES	CLASS 'A'	CLASS 'B'	CLASS 'A'	CLASS 'B'
4	0.500	22"	29"	29"	38"
5	0.625	28"	36"	36"	47"
6	0.750	33"	43"	43"	56"

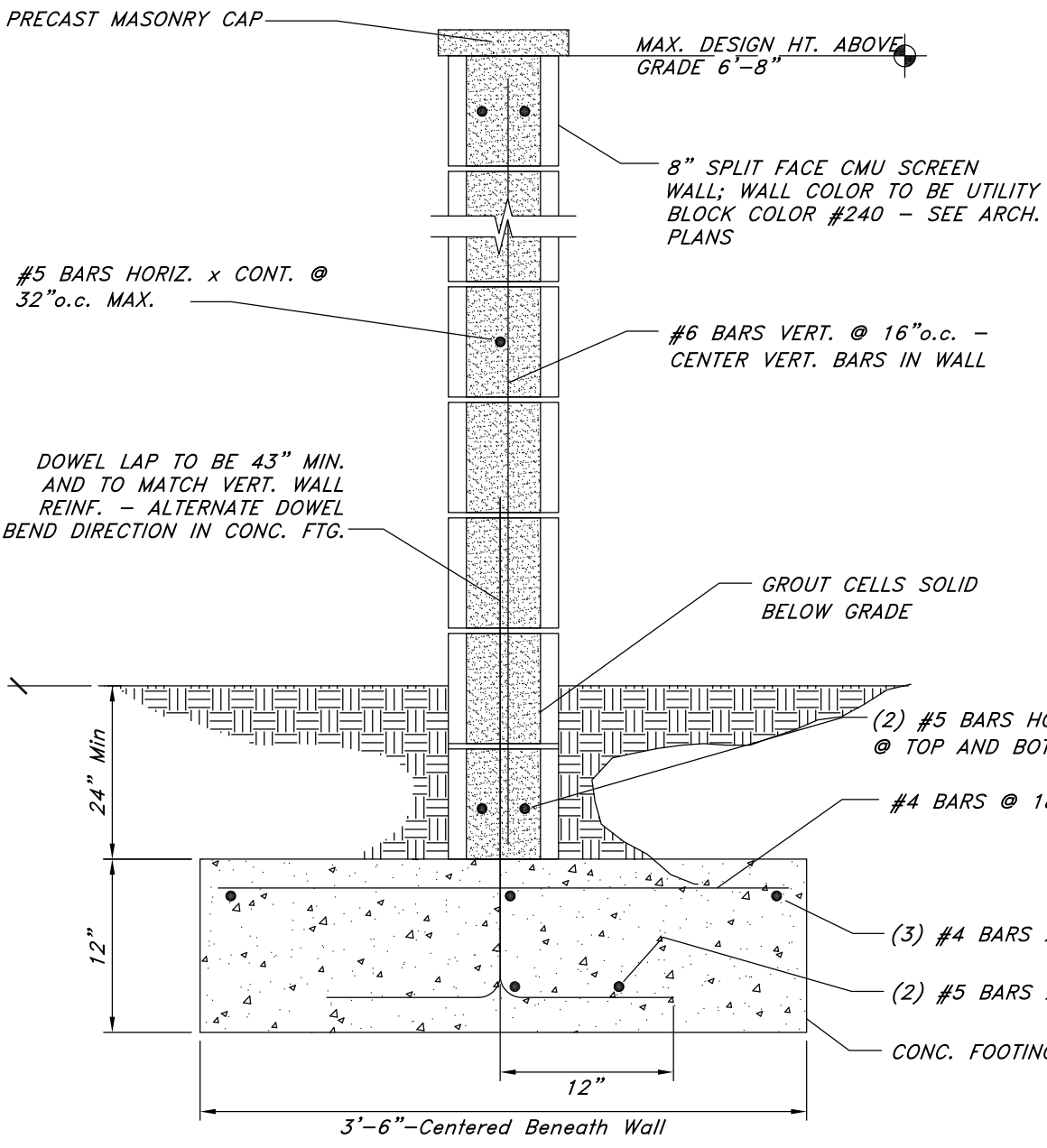
NOTES:
1. ALL LAP SPLICE LENGTHS ARE CLASS 'A' UNLESS NOTED OTHERWISE.
2. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24".
3. CONCRETE LAP LENGTHS SHALL BE INCREASED BY 20% WHERE EPOXY COATING IS USED.
4. TOP BAR IS ANY HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW IT.

SCHEDULE

2009 IBC REBAR LAP SPLICE SCHEDULE FOR MASONRY APPLICATIONS (ACI 530 - 05) (USING f'm = 1500 PSI)					
					
(1) BAR AT C OF WALL (VERT. OR HORIZ.)			BARS AT EACH FACE OF WALL (VERTICAL OR HORIZONTAL)		
BAR SIZE NO. DIA.			BAR SIZE NO. DIA.		
8" WALL			8" WALL		
4	0.500	20"	4	0.500	29"
5	0.625	25"	5	0.625	45"
6	0.750	43"	6	0.750	54"

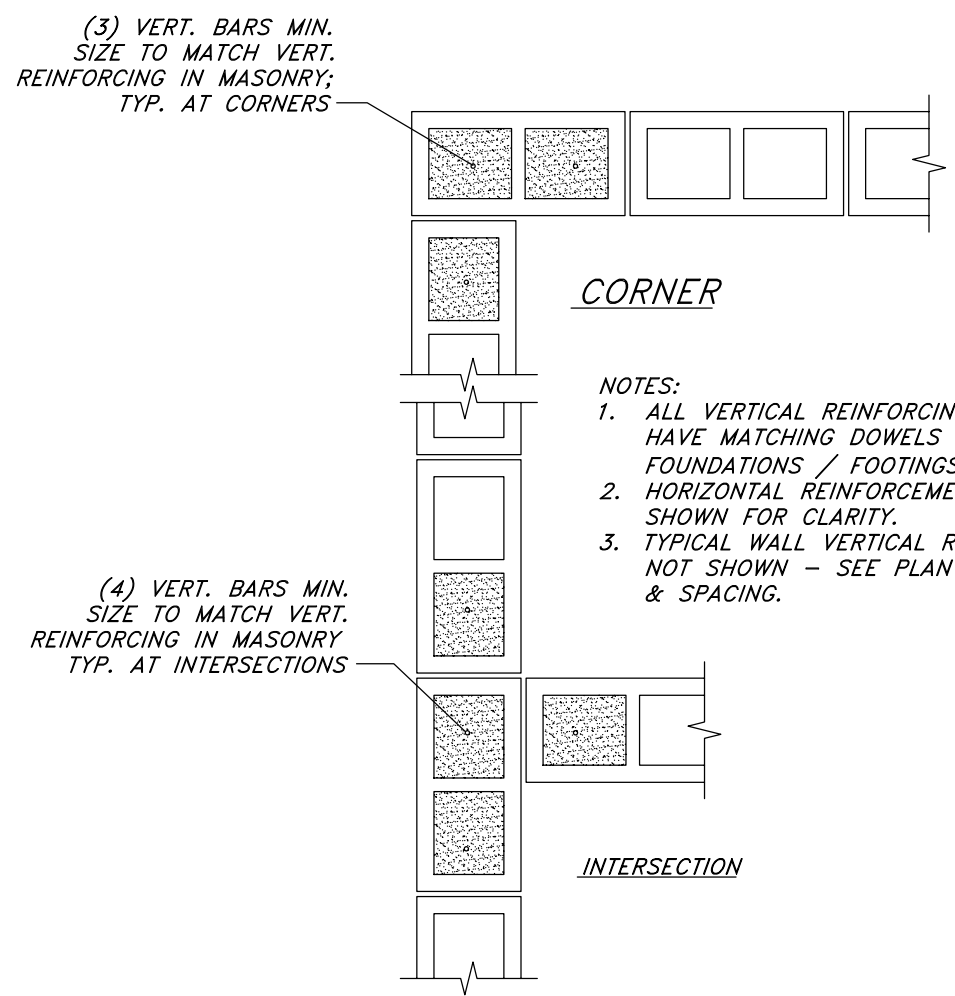
NOTES:
1. MECHANICAL COUPLERS ARE REQUIRED FOR BARS IN MASONRY AS NOTED IN THE SCHEDULE.
2. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN IN SCHEDULE.
3. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITIES.

SCHEDULE



CMU RETAINING WALL NOTES:

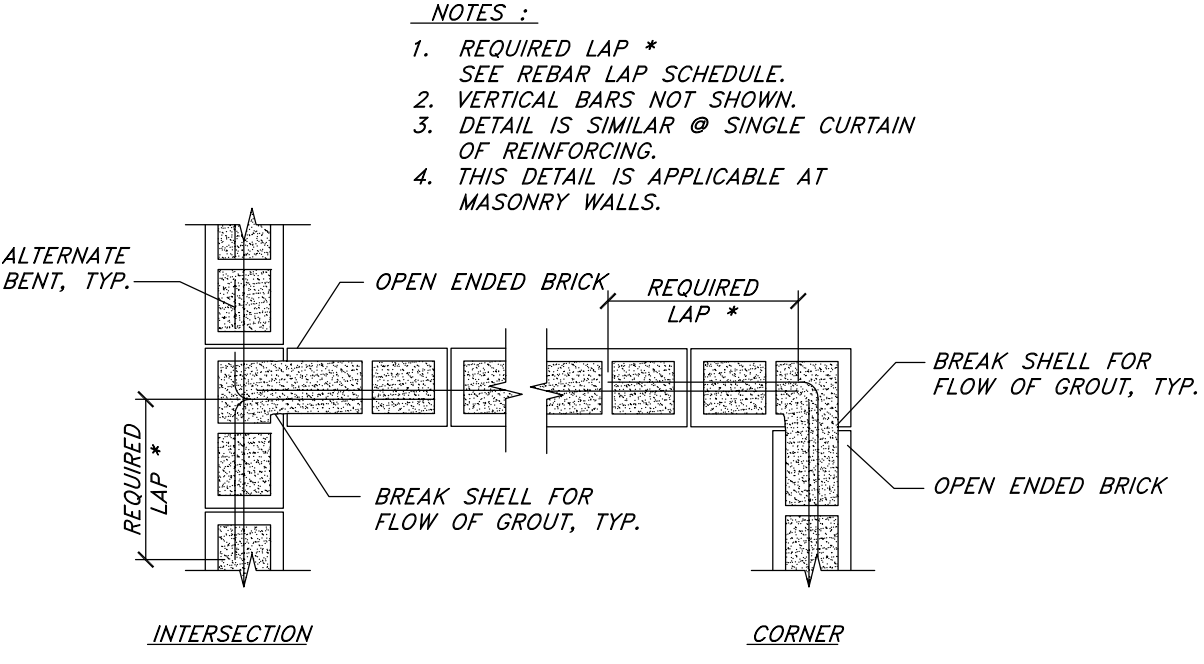
- f'm = 1500 psi - USE TYPE 'S' MORTAR
- Fy = 60 ksi
- Fc = 3000 psi
- ALLOWABLE SOIL BEARING PRESSURE = 1500 psf (MIN.) - SEE SOILS REPORT
- MAX FROST DEPTH = 30" TO BOTTOM OF FOOTING - SEE SOILS REPORT FOR MORE INFO.
- MINIMUM COVER OVER TOP OF FOOTING = 24"
- MAXIMUM DESIGN CRITERIA FOR WIND SPEED = 110 mph EXPOSURE C
- MAXIMUM SDS FOR WALL DESIGN = 1.20
- ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED PER THE SOILS REPORT.
- ALL DOWELS AND REINFORCEMENT SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND / OR GROUT PLACEMENT.
- SEE TYPICAL DETAIL FOR STEPS IN THE SCREEN WALL.
- ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 109 AND CHAPTER 17 OF THE IBC.
- ALL VERTICAL BARS TO BE CENTERED IN CELLS.
- NOTE: HAVING A SITE SPECIFIC SOILS REPORT AND REDUCING THE WIND SPEEDS TO MEET LOCAL CODE REQUIREMENTS MAY RESULT IN REDUCED FOOTING SIZES.



CORNER

- NOTES:
1. ALL VERTICAL REINFORCING SHALL HAVE MATCHING DOWELS CAST INTO FOUNDATIONS / FOOTINGS.
2. HORIZONTAL REINFORCEMENT NOT SHOWN FOR CLARITY.
3. TYPICAL WALL VERTICAL REINFORCING NOT SHOWN - SEE PLAN FOR SIZE & SPACING.

INTERSECTION



NOTES:

- REQUIRED LAP * SEE REBAR LAP SCHEDULE.
- VERTICAL BARS NOT SHOWN. DETAIL IS SIMILAR @ SINGLE CURTAIN OF REINFORCING.
- THIS DETAIL IS APPLICABLE AT MASONRY WALLS.

TYPICAL REINFORCEMENT @ INTERSECTION OF CMU

TYPICAL VERTICAL REINFORCING

Screen & Dumpster Wall

Not to Scale