



RETAINING WALL NOTES:

- All cells shall be completely filled with concrete.
- All wall sections are designed based on special inspection per UBC.
- Contractor shall submit to Owner results of masonry test prisms built and tested per UBC STD 24-26, UBC SEC 2405.
- Footing subgrade and base shall be compacted to 95% modified proctor per ASTM D-1557.
- 1/2" felt expansion joints shall be installed at 30 feet on center and at section changes.
- All masonry shall be laid in running bond only.
- All masonry surfaces to be backfilled shall be coated with emulsified asphalt, or other moisture barrier as approved by the Engineer.
- All reinforced concrete and CMU walls are designed per the following:

$f'_c=4000$ psi, maximum aggregate size = 3/4"
 $f_y=60,000$ psi (ASTM A-615 GR 60)
 $f_m=1500$ psi
 Unit weight of backfill = 110 pcf
 Concrete/soil coeff of friction = 0.30
 Allowable soil bearing pressure = 1500 psf
 Acting pressure = 44 ps/ft
 Slope active pressure = 44 ps/ft
 Passive pressure = 360 ps/ft

REINFORCING SCHEDULE					
H	A	B	8" CMU	X	Y
6'-0"	3'-0"	1'-0"	9 COURSES	#5 @ 8"	#5 @ 16"
5'-4"	2'-8"	1'-0"	8 COURSES	#5 @ 8"	#5 @ 16"
4'-8"	2'-8"	1'-0"	7 COURSES	#5 @ 8"	#5 @ 16"
4'-0"	1'-8"	1'-0"	6 COURSES	#5 @ 16"	#5 @ 16"
3'-4"	1'-8"	1'-0"	5 COURSES	#5 @ 16"	#5 @ 16"
2'-8"	1'-8"	1'-0"	4 COURSES	#5 @ 16"	#5 @ 16"

RETAINING WALL DETAIL

11200 MENAUL NE
DETAILS

BRIS A. LORENZ
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12-15
PROFESSIONAL ENGINEER

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