

1 PLAN VIEW
SCALE 3/32" = 1'-0"
NORTH

RETAINING GENERAL NOTES

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
2. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
3. LAP ALL REINFORCING SPLICES 40 BAR DIAMETERS AND A MINIMUM OF 24 INCHES UNLESS NOTED OTHERWISE.
4. ALL REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL.
5. RETAINING WALL FOOTINGS ARE DESIGNED BASED ON A MAXIMUM ALLOWABLE TOP PRESSURE OF 1500 PSF.
6. TOP ALL FOOTINGS SHALL BE FOUNDED A MINIMUM OF 1'-4" FEET BELOW GROUND SURFACE.
7. PROVIDE CONTROL JOINTS AT 40'-0" MAX O.C.
8. THE FOOTING EXCAVATIONS SHALL BE MADE TO NEAT LINES AND SHALL BE FREE OF LOOSE OR WET MATERIAL.
9. ALL COMPACTED FILL AND ALL BACK FILL MATERIALS TO BE IN ACCORDANCE WITH SOILS ENGINEER RECOMMENDATIONS.
10. G.C. TO VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION.

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DATE: 3/29/2023
JOB NO: 23-218
DRAWN: DH
CHECKED: TRS

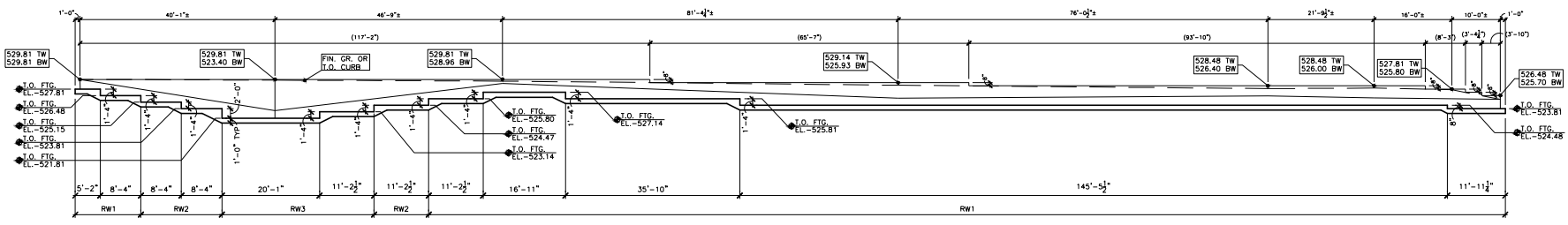
RAY ARCHITECTS, INC.
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dunkin'
brand+
2335 S. GOLIAD STREET
PC #363143
ROCKWALL, TEXAS 75032

04/05/2023
THOMAS R. SADLER
45440
THOMAS R. Sadler

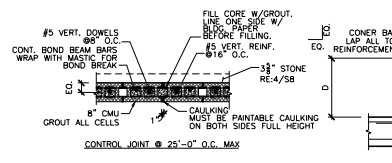
REVISIONS
1A - 11/21/2022 ISSUED FOR OWNER'S REVIEW
0 - 12/12/2022 ISSUED FOR PERMIT & CONST.
1 - 04/08/2023 ISSUED RETAINING WALL DESIGN

SHEET NUMBER
S7
RETAINING WALL PLAN

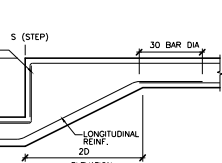


1 ELEVATION VIEW
SCALE 3/32" = 1'-0"

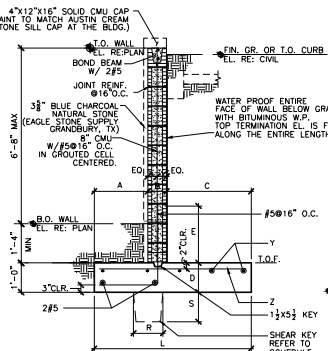
8" CMU RETAINING WALL SCHEDULE										
HEIGHT	LENGTH	THK	WALL	REINFC	FOOTING	LAP	VERT. REINFC	STEP	KEY	REMARKS
ft	ft	A	B	C	D	E	F	G	H	I
2'-0" to 4'-0"	2'-10"	12"	8"	2'-2"	1'-0"	2'-0"	0"	0"	0"	0000 0000
4'-1" to 8'-0"	4'-0"	14"	8"	2'-2"	1'-0"	2'-0"	10"	8"	0000 0000	
8'-1" to 8'-0"	5'-0"	1'-0"	8"	2'-2"	1'-0"	2'-0"	10"	12"	0000 0000	



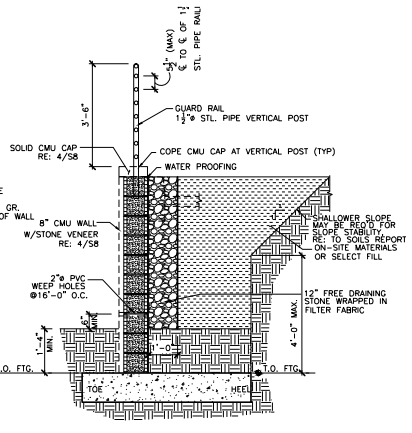
2 TYP. DETAIL
NOT TO SCALE



3 STEP IN FOOTING
NOT TO SCALE



4 SECTION
NOT TO SCALE



5 SECTION
NOT TO SCALE

MASONRY WALL GENERAL NOTES

- CONCRETE MASONRY UNITS SHALL BE: ASTM C 90, GRADE N-1 FOR LOAD BEARING UNITS; ASTM C 128, TYPE 1 FOR NON-LOAD BEARING UNITS. PROVIDE HOLLOW UNITS MADE FROM PORTLAND CEMENT AND LIGHTWEIGHT AGGREGATE.
- MORTAR SHALL BE TYPE M OR S.
- SPECIFIED MINIMUM COMPRESSIVE STRENGTH OF MASONRY SHALL BE 2,500 PSI AT 28 DAYS.
- BOND SHALL BE PROVIDED BY LAPPING UNITS IN SUCCESSIVE VERTICAL COURSES.
- VERTICAL CELLS TO BE FILLED SHALL HAVE CLEAR, UNOBSTRUCTED VERTICAL CELL OF 2"x3" MINIMUM.
- CELLS TO BE GROUTED SHALL BE FILLED SOLID. GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
- GROUT POURS SHALL NOT EXCEED 4 FEET IN HEIGHT EXCEPT WHERE CLEAN OUTS ARE PROVIDED IN THE BOTTOM COURSE OF THE CELL TO BE GROUTED.
- VERTICAL REINFORCING BARS SHALL BE HELD IN POSITION UNTIL GROUT IS SET. PLACE VERTICAL REINFORCEMENT BETWEEN ENDS OF WALLS AT SCHEDULED SPACING. REINFORCE THE FIRST CELL AT THE CORNERS AND ENDS OF WALLS AND GROUTED SOLID.
- WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL TO SIX VERTICAL. THE DOWEL SHALL BE GROUTED INTO A CELL IN VERTICAL ALIGNMENT EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCEMENT.
- LAP VERTICAL REINFORCING BARS 48 BAR DIAMETERS.
- SUBMIT SHOP DRAWINGS INDICATING METHOD OF CONSTRUCTION WALLS (LOW LIFT VS. HIGH LIFT), LOCATION OF SPLICES, BAR LAYOUT, AND ANY OTHER PERTINENT INFORMATION.

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Thomas R. Sadler

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SHEET NUMBER
S8
RETAINING WALL DETAILS