



CITY OF COACHELLA
 DEVELOPMENT SERVICES DEPARTMENT
 53-990 ENTERPRISE WAY, COACHELLA, CA 92236

TEL: (760) 398-3002

buildingservices@coachella.org

**** INSPECTION DEADLINE IS 4:00PM NO EXCEPTIONS**
**** LLAME ANTES DE LAS 4:00PM PARA INSPECCIÓN NO HAY EXCEPCIONES**

BUILDING PERMIT APPLICATION

Project Address: _____

Dirección del Proyecto: _____

Applicant's Name: _____

Nombre del Solicitante: _____

Applicant's Phone Number/ Número de Teléfono del Solicitante: _____

Email/Correo Electrónico: _____

Owner's Name: _____

Nombre del Propietario: _____

Owner's Address: _____

Dirección del Propietario: _____

Contractor's Name: _____

Nombre del Contratista: _____

Contractor's Address: _____

Dirección del Contratista: _____

Bus Lic/Licencia: _____

Project Valuation: _____

Evaluación del Proyecto: _____

PARCEL #: _____

LOT # : _____

Phone Number: _____

Número de Teléfono: _____

Phone Number: _____

Número de Teléfono: _____

Fax: _____

State Lic/ Licencia de Estado: _____

Description of Work/ Descripción de Trabajo: _____

CERTIFICATION APPEARING ON APPLICATIONS

I HAVE CAREFULLY EXAMINED THE ABOVE COMPLETED "APPLICATION AND PERMIT" AND DO HEREBY CERTIFY THAT ALL INFORMATION HEREON IS TRUE AND CORRECT, AND I FURTHER CERTIFY AND AGREE, IF A PERMIT IS ISSUED, TO COMPLY WITH ALL CITY, COUNTY, AND STATE LAWS GOVERNING BUILDING CONSTRUCTION, WHETHER SPECIFIED HEREIN OR NOT, AND I HEREBY AGREE TO SAVE, INDEMNIFY AND KEEP HARMLESS THE CITY OF COACHELLA AGAINST LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTED OF THIS PERMIT

THE ISSUANCE OF THIS PERMIT IS BASED UPON PLANS AND SPECIFICATIONS FILED WITH THE CITY OF COACHELLA AND SHALL NOT PREVENT THE BUILDING OFFICIAL FROM THEREAFTER REQUIRING THE CORRECTION OF ERRORS IN SAID PLANS AND SPECIFICATIONS. EVERY PERMIT ISSUED BY THE BUILDING OFFICIAL UNDER THE PROVISIONS OF THIS CODE SHALL EXPIRE BY LIMITATION AND BECOME NULL AND VOID, IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS NOT COMMENCED WITHIN 180 DAYS FROM THE DATE OF SUCH PERMIT, OR IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED AT ANY TIME AFTER THE WORK IS COMMENCED FOR A PERIOD OF 180 DAYS.

 APPLICANT'S SIGNATURE

 OWNER'S SIGNATURE

 BUILDING

 PLANNING



CITY OF COACHELLA, CA
 53-990 ENTERPRISE WAY
 COACHELLA, CA 92236 (760) 398-3002

Building Address: _____

Applicant: _____

Mailing Address: _____

City: _____ Zip: _____ Tel: _____

Owner's Name: _____

Mailing Address: _____

City: _____ Zip: _____ Tel: _____

Contractor's Name: _____

Mailing Address: _____

City: _____ Zip: _____ Tel: _____

State Lic. & Class: _____ City License #: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provision of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class: _____ License #: _____

Date: _____ Contractor: _____

OWNER-BUILDER DECLARATION

I, hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 703.1.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt there from the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of providing that he or she did not build or improve for the purpose of sale.)

I, as the owner of the property, am exclusively contracting with licensed contractor's to construct the

project (Sec. 7044, Business and Professions Code: the Contractor's License Law does not apply to owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

I am exempt under Sec. _____ B & P C for this reason _____
 Date: _____ Owner: _____

WORKER'S COMPENSATION DECLARATION

I, hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier: _____ Policy #: _____
 (This section need not to be completed if the permit is for one hundred dollars (\$100) or less).

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: _____ Applicant: _____

WARNING: Failure to secure worker's compensation coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars (\$100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, Interest, and Attorney's fees.

CONSTRUCTION LENDING AGENCY

I, hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 3097, Civ. C).

Lenders Name: _____
 Address: _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date: _____ Applicant Signature: _____

Date: _____ Owner's Signature: _____



ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

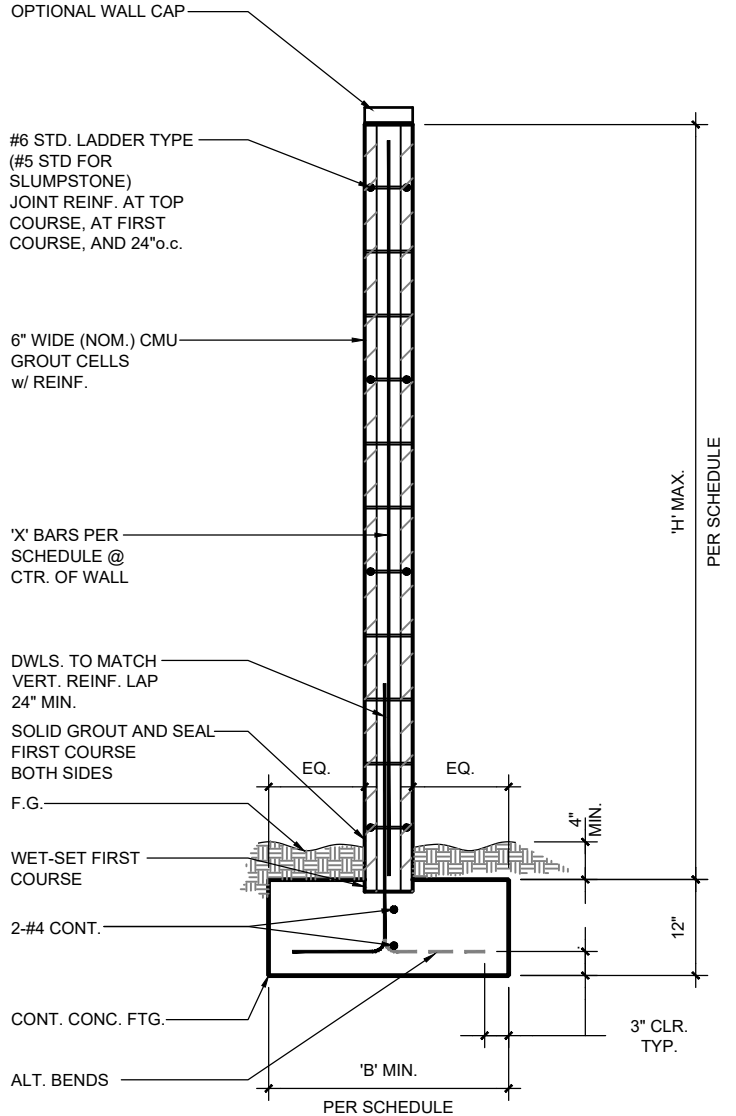
CITY OF COACHELLA, CA
6' to 8' High Site Wall
Concentric Spread Footing
C @ 123mph (ult.)
Risk Category I
6" Wide CMU

DESIGN CRITERIA:

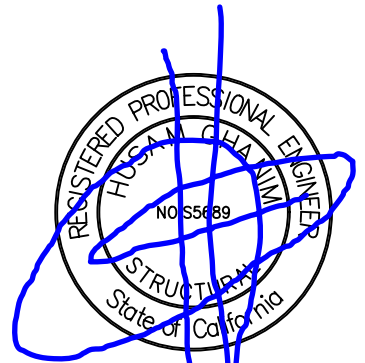
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- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY. USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
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NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- JOINT REINFORCEMENT ("LADDER" TYPE) SHALL BE COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A951. PROVIDE MINIMUM 6 INCH LAP SPLICES.
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
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- BACKFILL SHALL BE PROPERLY COMPACTED.



APPROVED
 Coachella Building Division.
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 By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.0
 #23-090

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
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'H' MAX.	DESIGN WIND EXP / mph	'X' BARS	'B' MIN.
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6'-8"	C @ 123	#4@32"o.c.	2'-5"
7'-4"	C @ 123	#4@24"o.c.	2'-8"
8'-0"	C @ 123	#4@24"o.c.	2'-10"





CITY OF COACHELLA, CA
6' to 8' High Site Wall
Eccentric Spread Footing
C @ 123mph (ult.)
Risk Category I
6" Wide CMU

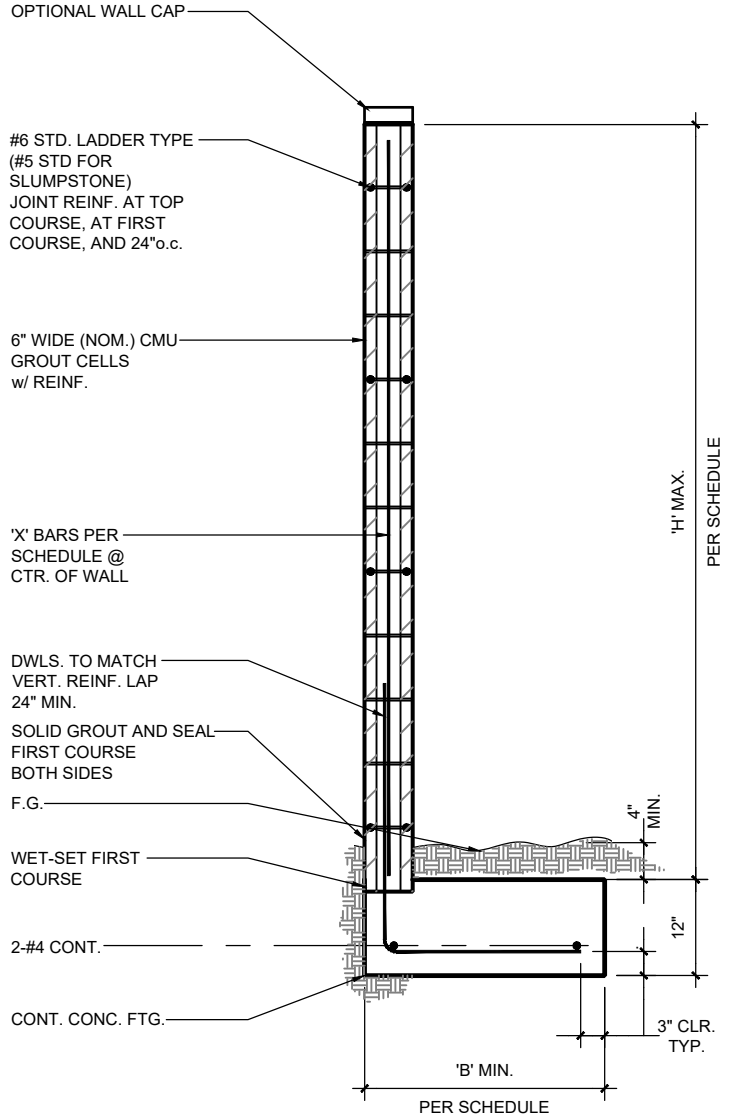
ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

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NOTES:

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By: L.Diaz DATE 08/01/2023



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S-1.1

#23-090

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7'-4"	C @ 123	#4@24"o.c.	3'-4"
8'-0"	C @ 123	#4@24"o.c.	3'-7"



CITY OF COACHELLA, CA
6' to 8' High Site Wall
Trench Footing
C @ 123mph (ult.)
Risk Category I
6" Wide CMU

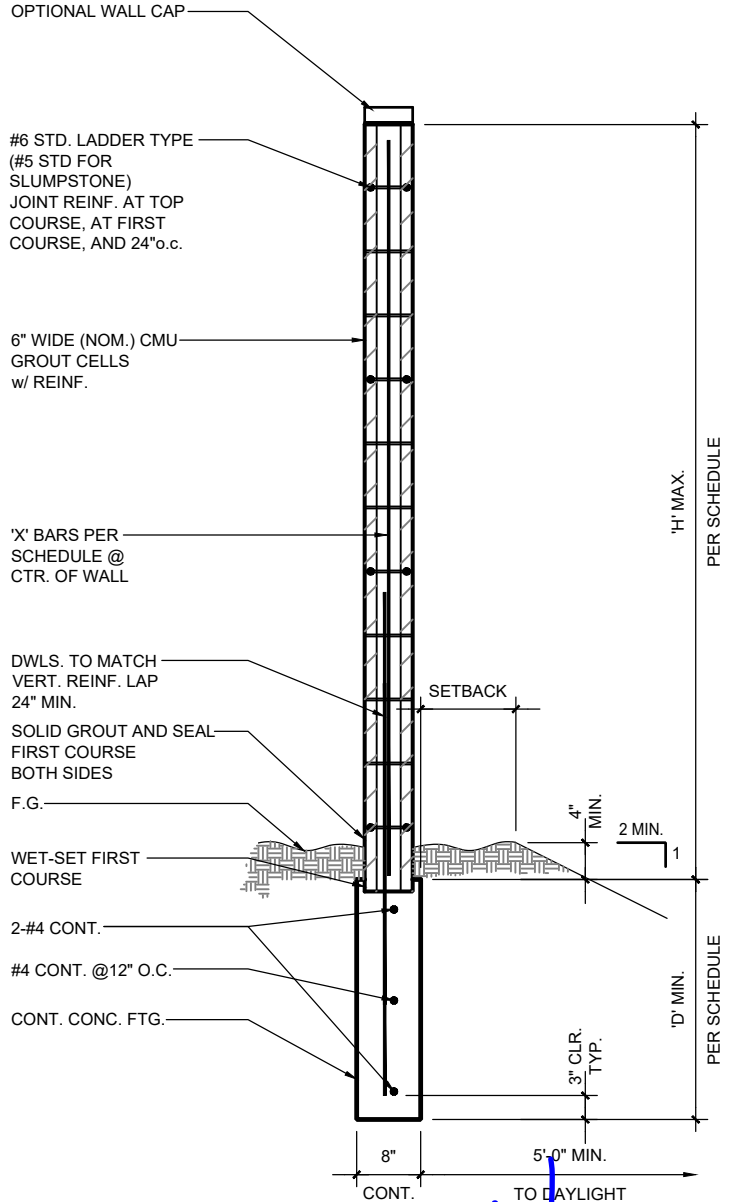
ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

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 By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.2

#23-090

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DESIGN IS ADEQUATE FOR 2:1 MIN. SLOPE WITH NO SETBACK



CITY OF COACHELLA, CA
6'-8" High Glass View Wall
Trench Footing
C @ 123mph (ult.)
Risk Category I
6" Wide CMU

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

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RIGIDLY ATTACHED GLASS PANEL FENCE BY OTHERS w/ MIN. 24" EMBEDMENT OR EQUAL AT VERTICAL SUPPORTS

OPTIONAL WALL CAP

6" WIDE (NOM.) CMU GROUT CELLS w/ REINF.

#6 STD. LADDER TYPE (#5 STD FOR SLUMPSTONE) JOINT REINF. AT TOP COURSE, AT FIRST COURSE, AND 24"o.c.

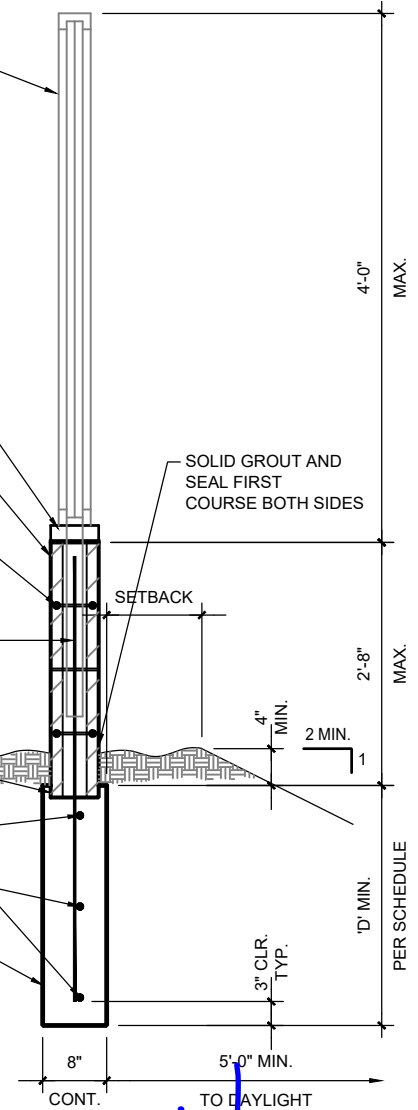
'X' BARS PER SCHEDULE @ CTR. OF WALL F.G.

WET-SET FIRST COURSE

2-#4 CONT.

#4 CONT. @12" O.C.

CONT. CONC. FTG.



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S-1.3
 #23-090

WIND LOAD CONVERSION TABLE					
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V _{asd}	78	85	93	96	101

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MASONRY FENCE WALL SCHEDULE		
DESIGN WIND EXP / mph	'X' BARS	'D' MIN.
C @ 123	#4@32"o.c.	2'-7"
WALL DESIGN IS ADEQUATE FOR 2:1 MIN. SLOPE WITH NO SETBACK		

This detail is designed exclusively for Angelus Block Co., Inc. concrete masonry units and E-Z Mix Inc. products as specified herein. No substitutions allowed.



ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

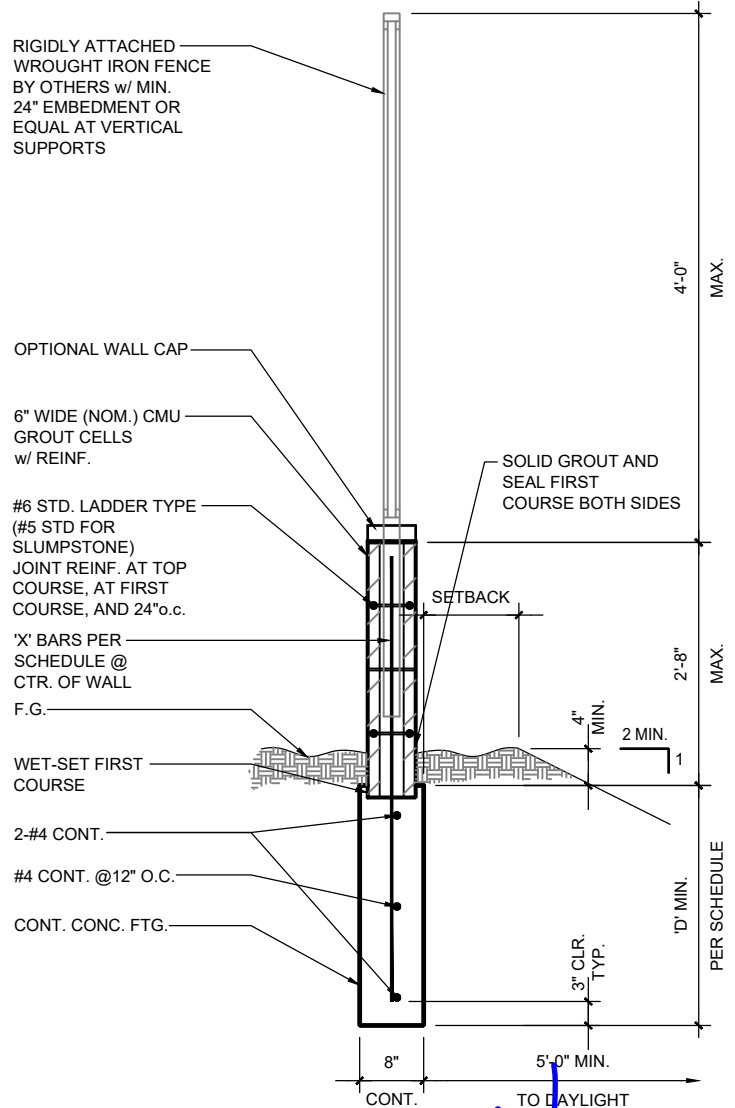
DESIGN CRITERIA:

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- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY.
- USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
- THIS DESIGN IS BASED ON SEISMIC PARAMETERS AS FOLLOWS:
 $S_s \leq 2.14g$ & $S_{DS} \leq 1.40g$
 SITE SPECIFIC PARAMETERS ARE TO BE INVESTIGATED PRIOR TO COMMENCEMENT OF WORK. FOR S_s & S_{DS} GREATER THAN WHAT IS SHOWN, THIS DESIGN SHALL REQUIRE FURTHER ENGINEERING.

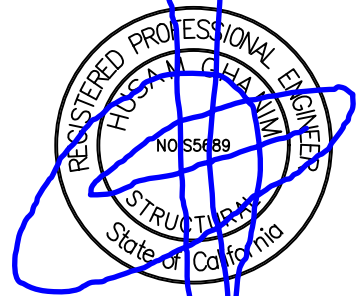
NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- JOINT REINFORCEMENT ("LADDER" TYPE) SHALL BE COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A951. PROVIDE MINIMUM 6 INCH LAP SPLICES.
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- CONCRETE BLOCK SHALL BE LAID IN RUNNING BOND PATTERN WITH VERTICAL CONTINUITY OF THE CELLS.
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0"o.c., OR 20'-0"o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
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- WALL SHALL BE FOUNDED ON PROPERLY COMPACTED SOIL.
- BACKFILL SHALL BE PROPERLY COMPACTED.

CITY OF COACHELLA, CA
6'-8" High Iron View Wall
Trench Footing
C @ 123mph (ult.)
Risk Category I
6" Wide CMU



APPROVED
 Coachella Building Division.
 Approval of these plans shall not be construed as a permit for, or approval of, any violation of any of the provisions of the state or local laws. One set of approved plans must be kept on the job site until completion.
 By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.4
 #23-090

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
 V_{ASD} = ALLOWABLE STRESS DESIGN WIND SPEED

DESIGN WIND EXP / mph	'X' BARS	'D' MIN.
C @ 123	#4@48"o.c.	1'-5"

WALL DESIGN IS ADEQUATE FOR 2:1 MIN. SLOPE WITH NO SETBACK





6' High Wall 2' to 4' Retaining Toe-out Footing C @ 123mph (ult.) Risk Category I 6"/8" Wide CMU

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY.
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 $S_s \leq 2.14g$ & $S_{DS} \leq 1.40g$
SITE SPECIFIC PARAMETERS ARE TO BE INVESTIGATED PRIOR TO COMMENCEMENT OF WORK. FOR S_s & S_{DS} GREATER THAN WHAT IS SHOWN, THIS DESIGN SHALL REQUIRE FURTHER ENGINEERING.

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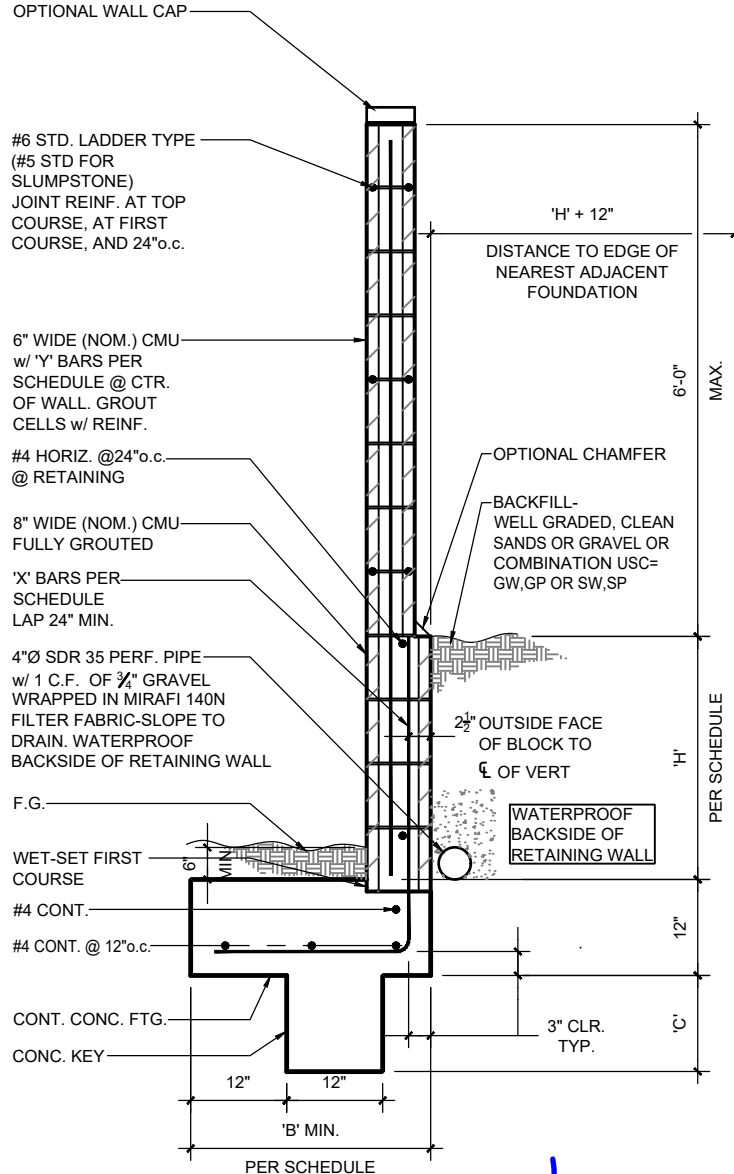
- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- JOINT REINFORCEMENT ("LADDER" TYPE) SHALL BE COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A951. PROVIDE MINIMUM 6 INCH LAP SPLICES.
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- CONCRETE BLOCK SHALL BE LAID IN RUNNING BOND PATTERN WITH VERTICAL CONTINUITY OF THE CELLS.
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0" o.c., OR 20'-0" o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
- GROUT ALL CELLS WITH REINFORCEMENT.
- INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
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LOADING:

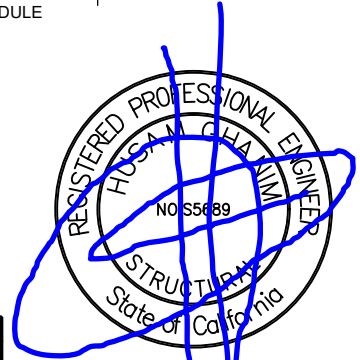
- SEISMIC, 5% DAMPING @ 1 SECOND ACCELERATION $C_s = 0.80W_t$.
- FOUNDATION SIZES BASED ON MAXIMUM WIND OR SEISMIC LOADING.

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
 V_{ASD} = ALLOWABLE STRESS DESIGN WIND SPEED



APPROVED
Coachella Building Division.
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By: L. Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.5
#23-090

'H'	DESIGN WIND EXP / mph	'X' BARS	'Y' BARS	'B' MIN.	'C' MIN.
2'-0"	C @ 123	#4@32"o.c.	#4@48"o.c.	2'-4"	0'-4"
2'-8"	C @ 123	#4@32"o.c.	#4@48"o.c.	2'-6"	0'-7"
3'-4"	C @ 123	#4@32"o.c.	#4@48"o.c.	2'-8"	0'-10"
4'-0"	C @ 123	#4@24"o.c.	#4@48"o.c.	2'-11"	1'-2"



6' High Wall 2' to 4' Retaining Heel-In Footing C @ 123mph (ult.) Risk Category I 6 7/8" Wide CMU

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
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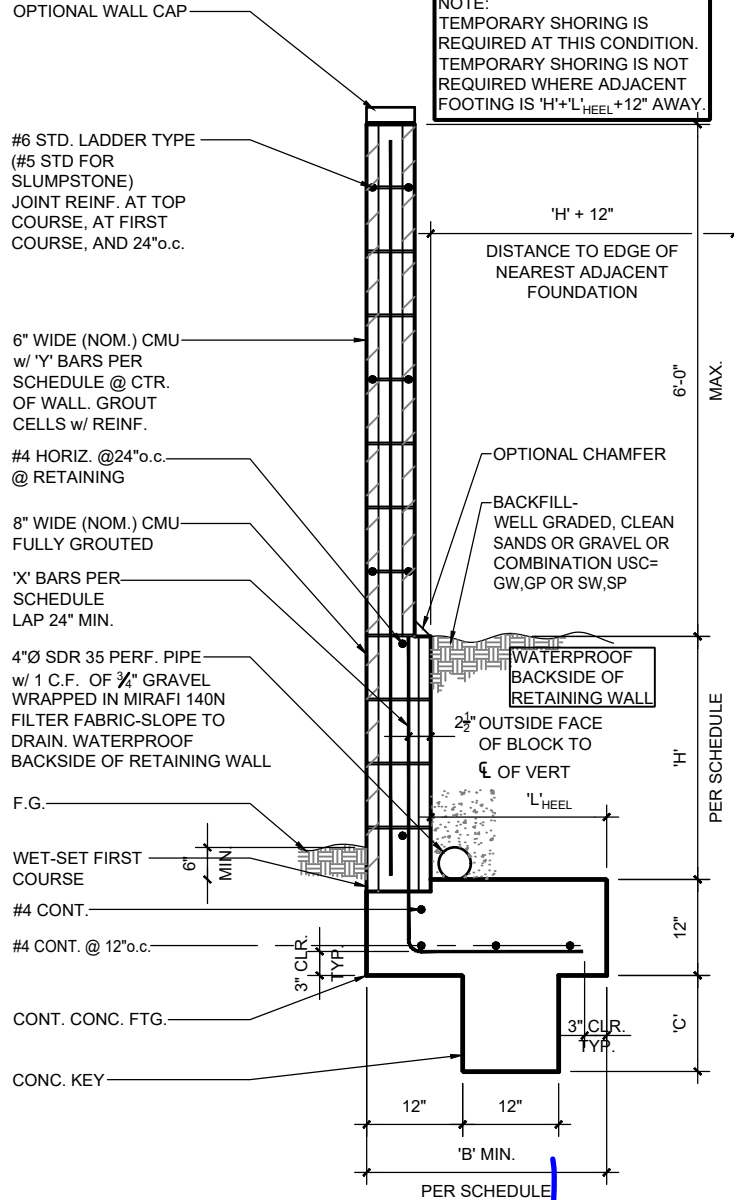
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- JOINT REINFORCEMENT ("LADDER" TYPE) SHALL BE COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A951. PROVIDE MINIMUM 6 INCH LAP SPLICES.
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
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- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
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LOADING:

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- FOUNDATION SIZES BASED ON MAXIMUM WIND OR SEISMIC LOADING.

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

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APPROVED

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By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.6

#23-090

'H'	DESIGN WIND EXP / mph	'X' BARS	'Y' BARS	'B' MIN.	'C' MIN.
2'-0"	C @ 123	#4@32"o.c.	#4@48"o.c.	2'-11"	N/A
2'-8"	C @ 123	#4@32"o.c.	#4@48"o.c.	3'-2"	N/A
3'-4"	C @ 123	#4@32"o.c.	#4@48"o.c.	3'-6"	N/A
4'-0"	C @ 123	#4@24"o.c.	#4@48"o.c.	3'-11"	0'-2"



CITY OF COACHELLA, CA

2' to 6' High Retaining Wall

Level Backfill

8" Wide CMU

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

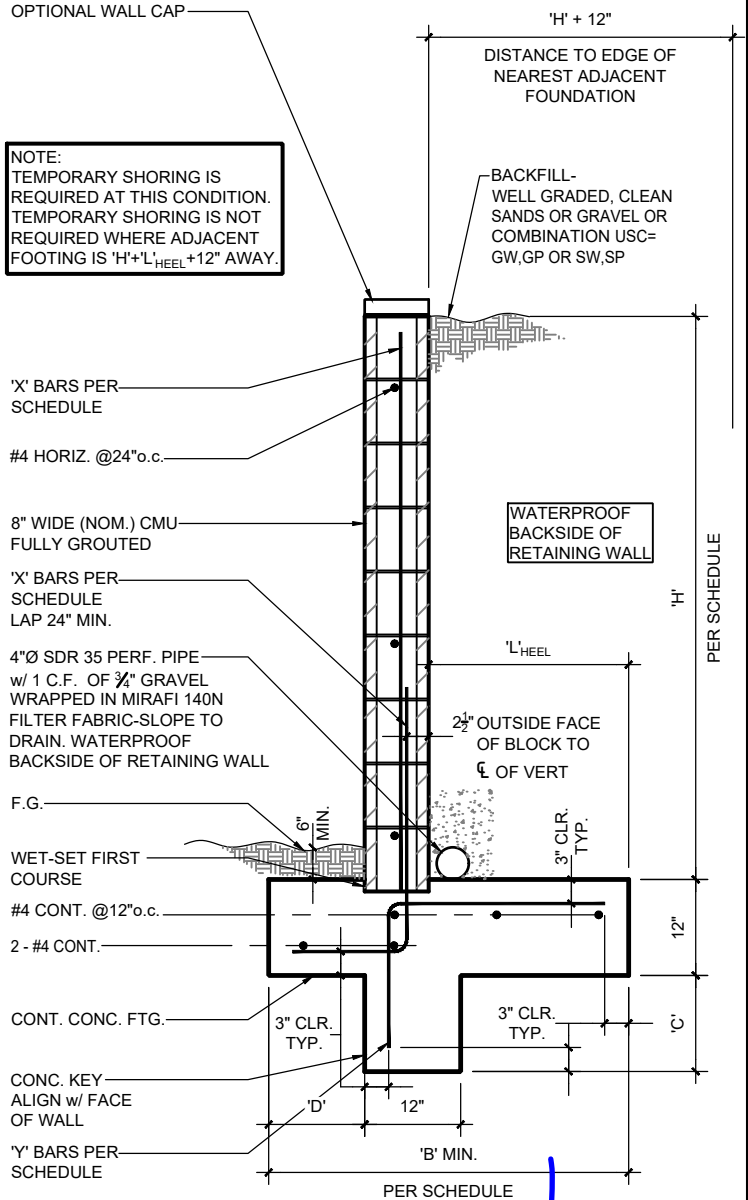
DESIGN CRITERIA:

- DESIGN CRITERIA PER 2022 CBC
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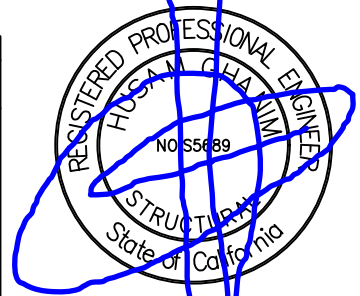
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- NOT USED
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
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- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
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 By: L.Diaz DATE 08/01/2023



NOTE:
 TEMPORARY SHORING IS REQUIRED AT THIS CONDITION. TEMPORARY SHORING IS NOT REQUIRED WHERE ADJACENT FOOTING IS 'H'+L_{HEEL}+12" AWAY.

MASONRY RETAINING WALL SCHEDULE					
'H'	'X' BARS	'Y' BARS	'B' MIN.	'C' MIN.	'D'
2'-0"	#4@32"o.c.	N/A	1'-5"	N/A	N/A
2'-8"	#4@32"o.c.	N/A	1'-10"	0'-3"	0'-6"
3'-4"	#4@32"o.c.	N/A	1'-11"	0'-6"	0'-9"
4'-0"	#4@32"o.c.	N/A	2'-5"	0'-8"	0'-9"
4'-8"	#4@32"o.c.	N/A	2'-11"	0'-9"	0'-9"
5'-4"	#4@24"o.c.	N/A	3'-3"	1'-1"	1'-0"
6'-0"	#4@16"o.c.	#4@8"o.c.	4'-0"	1'-3"	1'-0"



DATE SIGNED 07-12-2023

S-1.7
 #23-090





CITY OF COACHELLA, CA

2' to 6' High Retaining Wall

Toe-out Footing

Sloped Backfill

8" Wide CMU

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

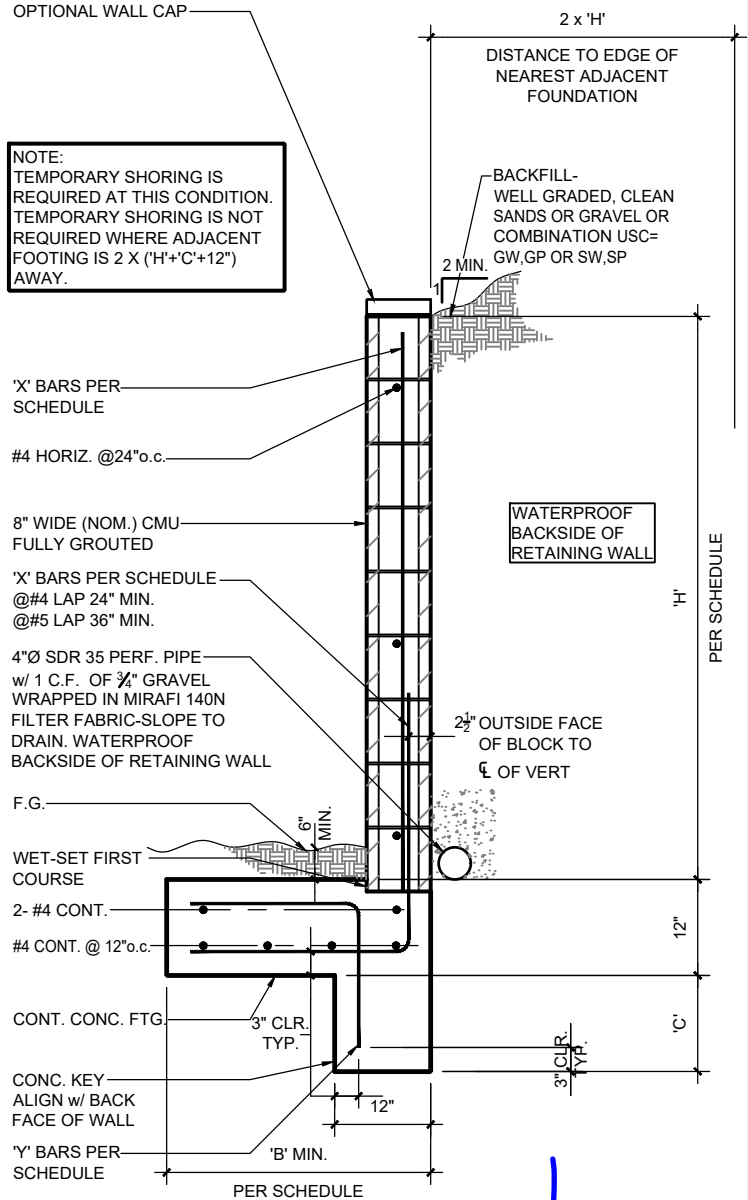
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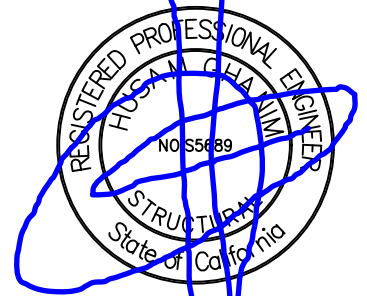
LOADING:

- SEISMIC, 5% DAMPING @ 1 SECOND ACCELERATION $C_s=0.80W_t$.



MASONRY RETAINING WALL SCHEDULE

'H'	'X' BARS	'Y' BARS	'B' MIN.	'C' MIN.
2'-0"	#4@32"o.c.	N/A	2'-1"	0'-8"
2'-8"	#4@32"o.c.	N/A	2'-6"	1'-1"
3'-4"	#4@32"o.c.	N/A	3'-0"	1'-4"
4'-0"	#4@16"o.c.	#4@8"o.c.	4'-0"	1'-11"
4'-8"	#4@8"o.c.	#4@8"o.c.	4'-3"	2'-6"
5'-4"	#4@8"o.c.	#4@8"o.c.	5'-0"	2'-11"
6'-0"	#5@8"o.c.	#4@8"o.c.	5'-5"	3'-5"



DATE SIGNED 07-12-2023

APPROVED S-1.8
 Coachella Building Division.

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By: L.Diaz DATE 08/01/2023



898 N. FAIR OAKS AVE., STE. F, PASADENA, CA 91103
 T: 626.407.2224 • www.ghanimSE.com

This detail is designed exclusively for Angelus Block Co., Inc. concrete masonry units and E-Z Mix Inc. products as specified herein. No substitutions allowed.



6'-8" to 8'-8" High Pilaster Spread Footing Seismic, 5% @ 1 second 16" or 24" CMU Pilaster

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

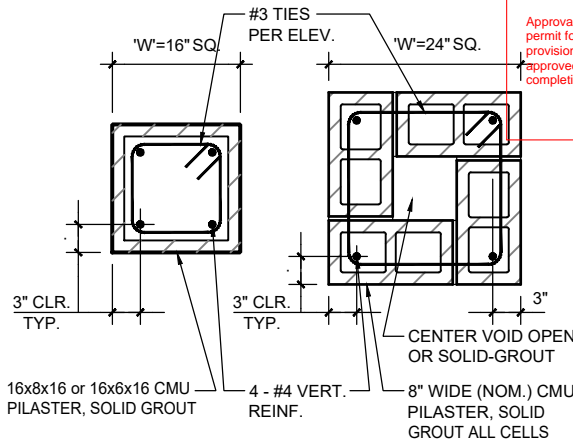
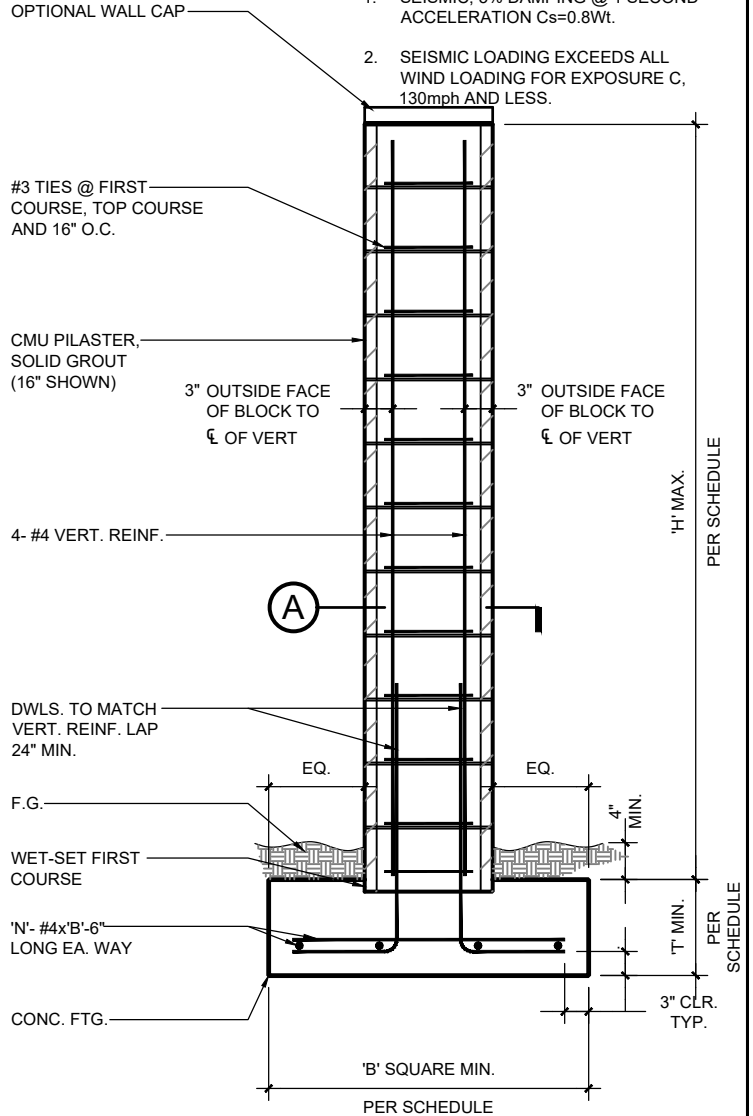
- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY.
- USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
- THIS DESIGN IS BASED ON SEISMIC PARAMETERS AS FOLLOWS:
 $S_s \leq 2.14g$ & $S_{DS} \leq 1.40g$
SITE SPECIFIC PARAMETERS ARE TO BE INVESTIGATED PRIOR TO COMMENCEMENT OF WORK. FOR S_s & S_{DS} GREATER THAN WHAT IS SHOWN, THIS DESIGN SHALL REQUIRE FURTHER ENGINEERING.

NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- NOT USED
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- NOT USED
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0" o.c., OR 20'-0" o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
- NOT USED
- INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
B. AFTER VERTICAL REINFORCEMENT IS IN PLACE AND CELLS ARE READY FOR GROUT.
- FOR TYPICAL FOOTING STEP AND DRAINAGE BLOCK-OUT DETAILS SEE DETAIL SHEET S-5.1.
- EXCAVATION FOR WALL/FOUNDATION SHALL NOT UNDERMINE ANY ADJACENT STRUCTURES. TEMPORARY SHORING AND STABILIZATION OF ADJACENT STRUCTURES SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED.
- THIS DESIGN IS NOT TO BE USED FOR GATE WALLS.
- WALL SHALL BE FOUNDED ON PROPERLY COMPACTED SOIL.
- BACKFILL SHALL BE PROPERLY COMPACTED.

LOADING:

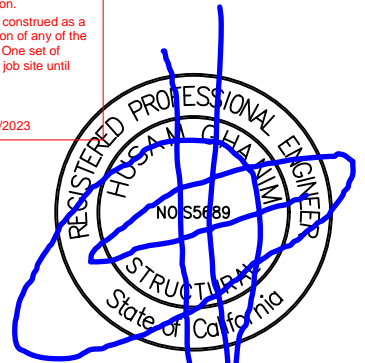
- SEISMIC, 5% DAMPING @ 1 SECOND ACCELERATION $C_s = 0.8W_t$.
- SEISMIC LOADING EXCEEDS ALL WIND LOADING FOR EXPOSURE C, 130mph AND LESS.



MASONRY PILASTER SCHEDULE				
'H'	'W' MAX.	'B'	'T'	'N'
6'-8"	16"	4'-1"	1'-0"	4
	24"	4'-10"	1'-6"	5
7'-4"	16"	4'-4"	1'-0"	4
	24"	5'-1"	1'-6"	5
8'-8"	16"	4'-9"	1'-0"	5
	24"	5'-7"	1'-6"	6

APPROVED
Coachella Building Division.
Approval of these plans shall not be construed as a permit for, or approval of, any violation of any of the provisions of the state or local laws. One set of approved plans must be kept on the job site until completion.

By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.9

#23-090



PILASTER SECTION

This detail is designed exclusively for Angelus Block Co., Inc. concrete masonry units and E-Z Mix Inc. products as specified herein. No substitutions allowed.



GHANIM STRUCTURAL ENGINEERING



6'-8" to 8'-8" High Pilaster Pole Footing

Seismic, 5% @ 1 second

16" or 24" CMU Pilaster

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000$ psi. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY.
- USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
- THIS DESIGN IS BASED ON SEISMIC PARAMETERS AS FOLLOWS:
 $S_s \leq 2.14g$ & $S_{DS} \leq 1.40g$
 SITE SPECIFIC PARAMETERS ARE TO BE INVESTIGATED PRIOR TO COMMENCEMENT OF WORK. FOR S_s & S_{DS} GREATER THAN WHAT IS SHOWN, THIS DESIGN SHALL REQUIRE FURTHER ENGINEERING.

NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- NOT USED
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- NOT USED
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0"o.c., OR 20'-0"o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
- NOT USED
- INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
 B. AFTER VERTICAL REINFORCEMENT IS IN PLACE AND CELLS ARE READY FOR GROUT.
- FOR TYPICAL FOOTING STEP AND DRAINAGE BLOCK-OUT DETAILS SEE DETAIL SHEET S-5.1.
- EXCAVATION FOR WALL/FOUNDATION SHALL NOT UNDERMINE ANY ADJACENT STRUCTURES. TEMPORARY SHORING AND STABILIZATION OF ADJACENT STRUCTURES SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED.
- THIS DESIGN IS NOT TO BE USED FOR GATE WALLS.
- WALL SHALL BE FOUNDED ON PROPERLY COMPACTED SOIL.
- BACKFILL SHALL BE PROPERLY COMPACTED.

LOADING:

- SEISMIC, 5% DAMPING @ 1 SECOND ACCELERATION $C_s=0.8W_t$.
- SEISMIC LOADING EXCEEDS ALL WIND LOADING FOR EXPOSURE C, 130mph AND LESS.

OPTIONAL WALL CAP
APPROVED
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 By: L.Diaz DATE:08/01/2023

#3 TIES AT FIRST COURSE, TOP COURSE AND @16" O.C.

CMU PILASTER, SOLID GROUT (16" SHOWN)

3" OUTSIDE FACE OF BLOCK TO ϕ OF VERT

3" OUTSIDE FACE OF BLOCK TO ϕ OF VERT

4- #4 VERT. REINF.



DWLS. TO MATCH VERT. REINF. LAP 24" MIN.

F.G.

WET-SET FIRST COURSE

3-#3 TIES @ TOP 5" OF FTG. & #3 TIES @ 12"o.c. MAX. REMAINDER

2- #4 U-DWLS.

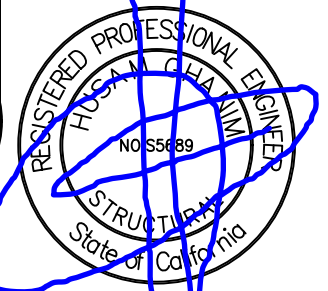
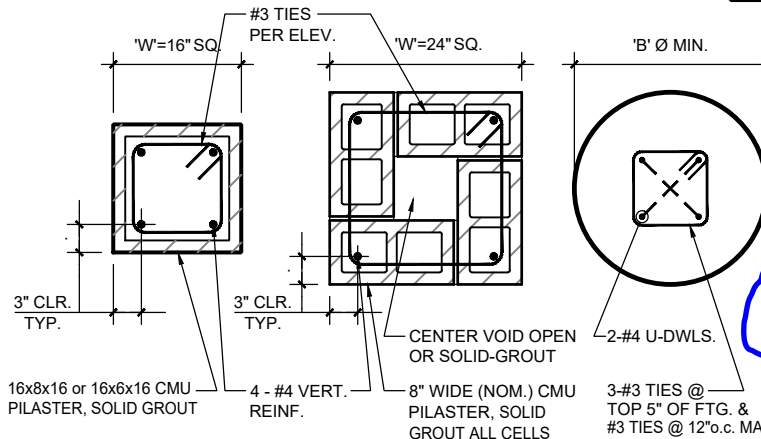
'B' ϕ MIN.

H' MAX.
PER SCHEDULE

D' MIN.
PER SCHEDULE

3" CLR. TYP.

MASONRY PILASTER SCHEDULE			
'H'	'W' MAX.	'B' MIN.	'D' MIN.
6'-8"	16"	24"	4'-4"
	24"	36"	5'-1"
7'-4"	16"	24"	4'-7"
	24"	36"	5'-4"
8'-8"	16"	24"	5'-2"
	24"	36"	5'-11"



DATE SIGNED 07-12-2023

S-1.10
#23-090



ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

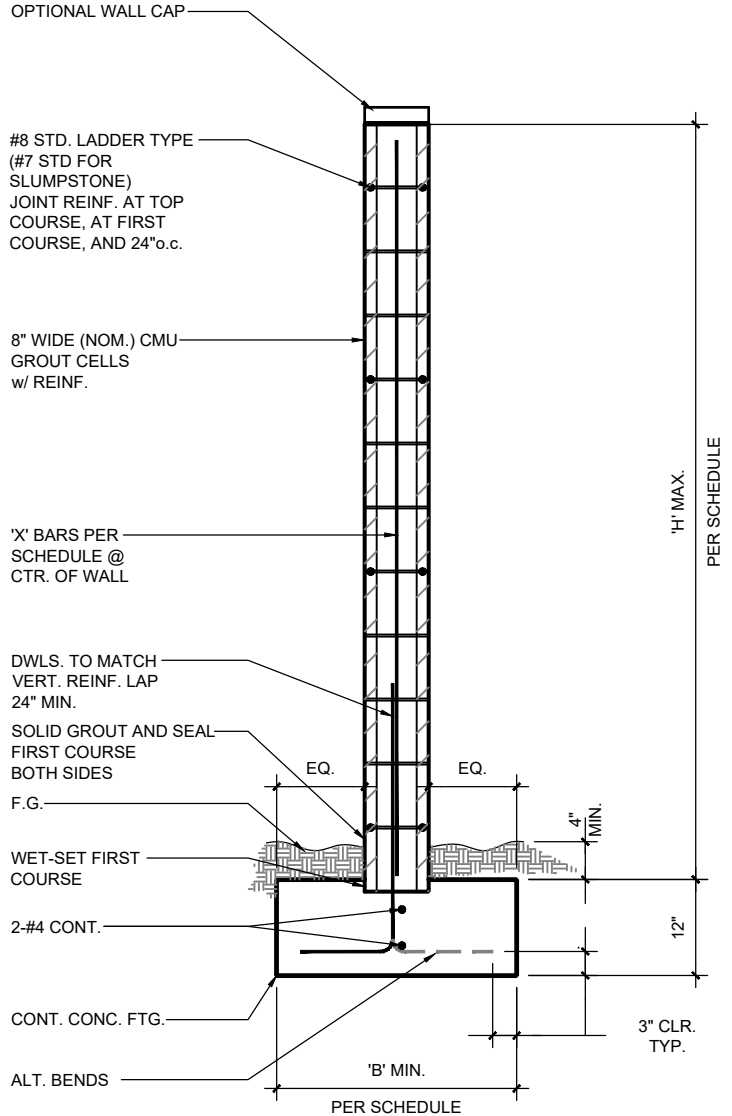
CITY OF COACHELLA, CA
6' to 8' High Site Wall
Concentric Spread Footing
C @ 123mph (ult.)
Risk Category I
8" Wide CMU

DESIGN CRITERIA:

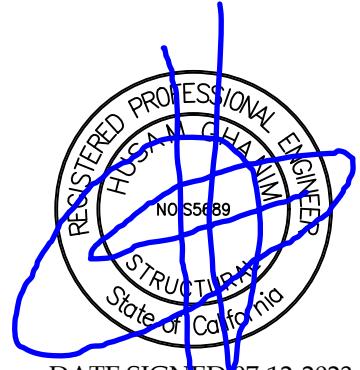
- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY. USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
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NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- JOINT REINFORCEMENT ("LADDER" TYPE) SHALL BE COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A951. PROVIDE MINIMUM 6 INCH LAP SPLICES.
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- CONCRETE BLOCK SHALL BE LAID IN RUNNING BOND PATTERN WITH VERTICAL CONTINUITY OF THE CELLS.
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0"o.c., OR 20'-0"o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
- GROUT ALL CELLS WITH REINFORCEMENT.
- INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
 B. AFTER VERTICAL REINFORCEMENT IS IN PLACE AND CELLS ARE READY FOR GROUT.
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- THIS DESIGN IS NOT TO BE USED FOR GATE WALLS.
- WALL SHALL BE FOUNDED ON PROPERLY COMPACTED SOIL.
- BACKFILL SHALL BE PROPERLY COMPACTED.



APPROVED
 Coachella Building Division.
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 By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.11
 #23-090

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
 V_{ASD} = ALLOWABLE STRESS DESIGN WIND SPEED

'H' MAX.	DESIGN WIND EXP / mph	'X' BARS	'B' MIN.
6'-0"	C @ 123	#4@48"o.c.	2'-4"
6'-8"	C @ 123	#4@40"o.c.	2'-8"
7'-4"	C @ 123	#4@32"o.c.	2'-11"
8'-0"	C @ 123	#4@24"o.c.	3'-5"





ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

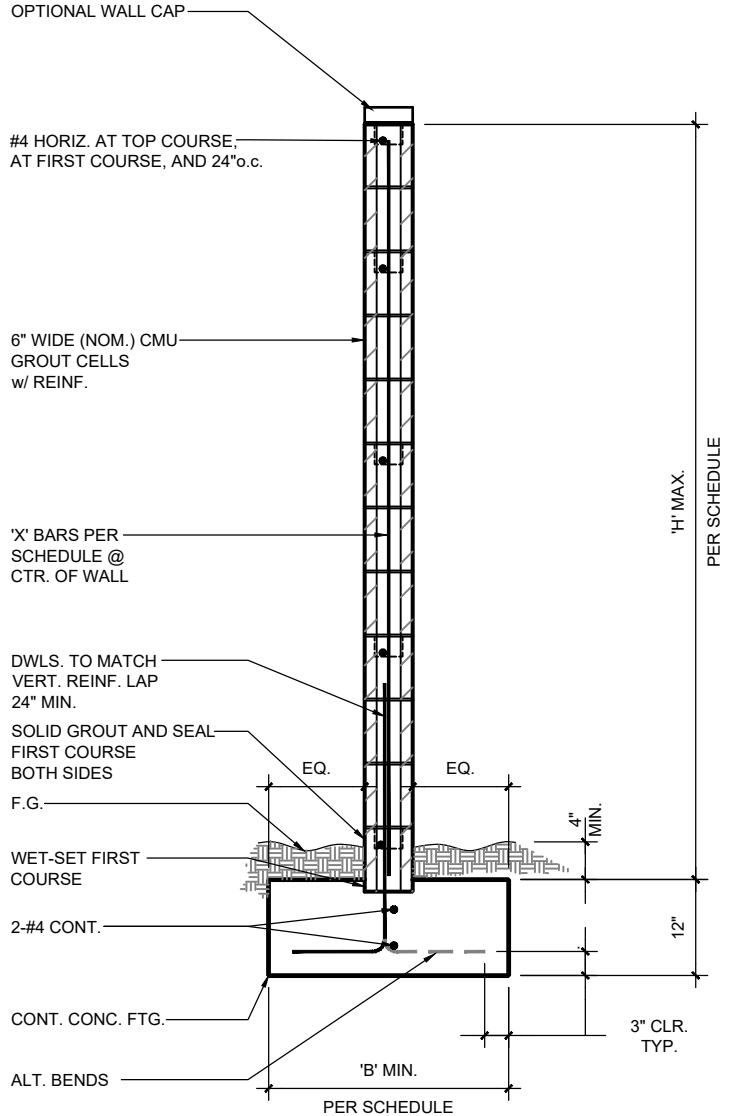
CITY OF COACHELLA, CA
6' to 8' High Site Wall
Concentric Spread Footing
C @ 123mph (ult.)
Risk Category I
6" Wide Stacked Bond CMU

DESIGN CRITERIA:

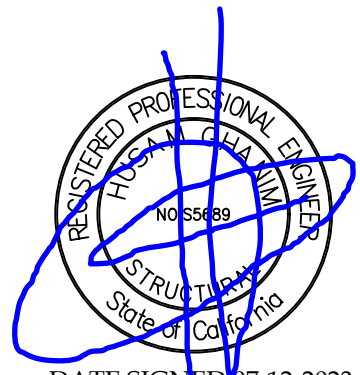
- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY. USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
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 $S_s \leq 2.14g$ & $S_{DS} \leq 1.40g$
 SITE SPECIFIC PARAMETERS ARE TO BE INVESTIGATED PRIOR TO COMMENCEMENT OF WORK. FOR S_s & S_{DS} GREATER THAN WHAT IS SHOWN, THIS DESIGN SHALL REQUIRE FURTHER ENGINEERING.

NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- NOT USED
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- CONCRETE BLOCK SHALL BE LAID IN STACKED BOND PATTERN WITH VERTICAL CONTINUITY OF THE CELLS.
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0"o.c., OR 20'-0"o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
- GROUT ALL CELLS WITH REINFORCEMENT.
- INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
 B. AFTER VERTICAL REINFORCEMENT IS IN PLACE AND CELLS ARE READY FOR GROUT.
- FOR TYPICAL FOOTING STEP AND DRAINAGE BLOCK-OUT DETAILS SEE DETAIL SHEET S-5.1.
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- THIS DESIGN IS NOT TO BE USED FOR GATE WALLS.
- WALL SHALL BE FOUNDED ON PROPERLY COMPACTED SOIL.
- BACKFILL SHALL BE PROPERLY COMPACTED.



APPROVED
 Coachella Building Division.
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 By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.12
 #23-090

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
 V_{ASD} = ALLOWABLE STRESS DESIGN WIND SPEED

'H' MAX.	DESIGN WIND EXP / mph	'X' BARS	'B' MIN.
6'-0"	C @ 123	#4@48"o.c.	2'-2"
6'-8"	C @ 123	#4@32"o.c.	2'-5"
7'-4"	C @ 123	#4@24"o.c.	2'-8"
8'-0"	C @ 123	#4@24"o.c.	2'-10"





ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

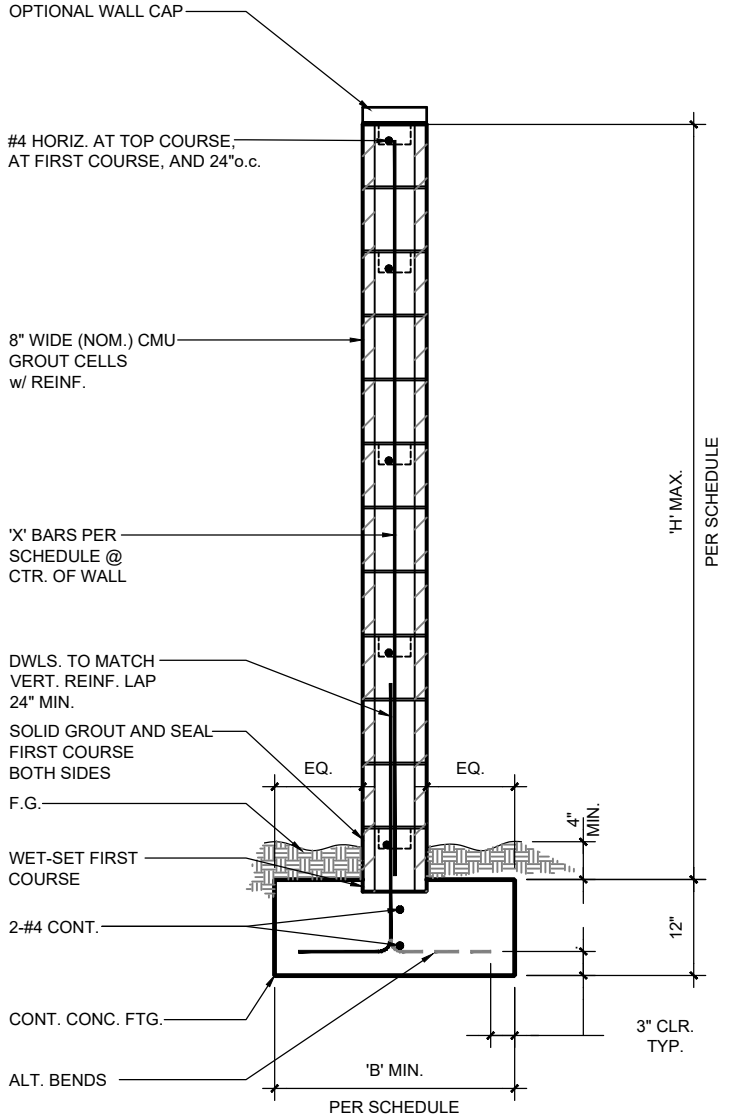
DESIGN CRITERIA:

- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY.
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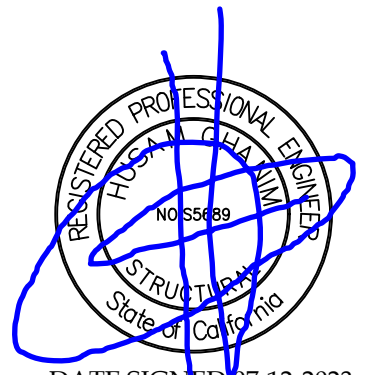
NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- NOT USED
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- CONCRETE BLOCK SHALL BE LAID IN STACKED BOND PATTERN WITH VERTICAL CONTINUITY OF THE CELLS.
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0"o.c., OR 20'-0"o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
- GROUT ALL CELLS WITH REINFORCEMENT.
- INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
 B. AFTER VERTICAL REINFORCEMENT IS IN PLACE AND CELLS ARE READY FOR GROUT.
- FOR TYPICAL FOOTING STEP AND DRAINAGE BLOCK-OUT DETAILS SEE DETAIL SHEET S-5.1.
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- THIS DESIGN IS NOT TO BE USED FOR GATE WALLS.
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- BACKFILL SHALL BE PROPERLY COMPACTED.

CITY OF COACHELLA, CA
6' to 8' High Site Wall
Concentric Spread Footing
C @ 123mph (ult.)
Risk Category I
8" Wide Stacked Bond CMU



APPROVED
 Coachella Building Division.
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 By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.13
 #23-090

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
 V_{ASD} = ALLOWABLE STRESS DESIGN WIND SPEED



'H' MAX.	DESIGN WIND EXP / mph	'X' BARS	'B' MIN.
6'-0"	C @ 123	#4@48"o.c.	2'-4"
6'-8"	C @ 123	#4@40"o.c.	2'-8"
7'-4"	C @ 123	#4@32"o.c.	2'-11"
8'-0"	C @ 123	#4@24"o.c.	3'-5"

This detail is designed exclusively for Angelus Block Co., Inc. concrete masonry units and E-Z Mix Inc. products as specified herein. No substitutions allowed.



CITY OF COACHELLA, CA

2' to 6' High Retaining Wall Sloped Backfill 8" Wide CMU

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

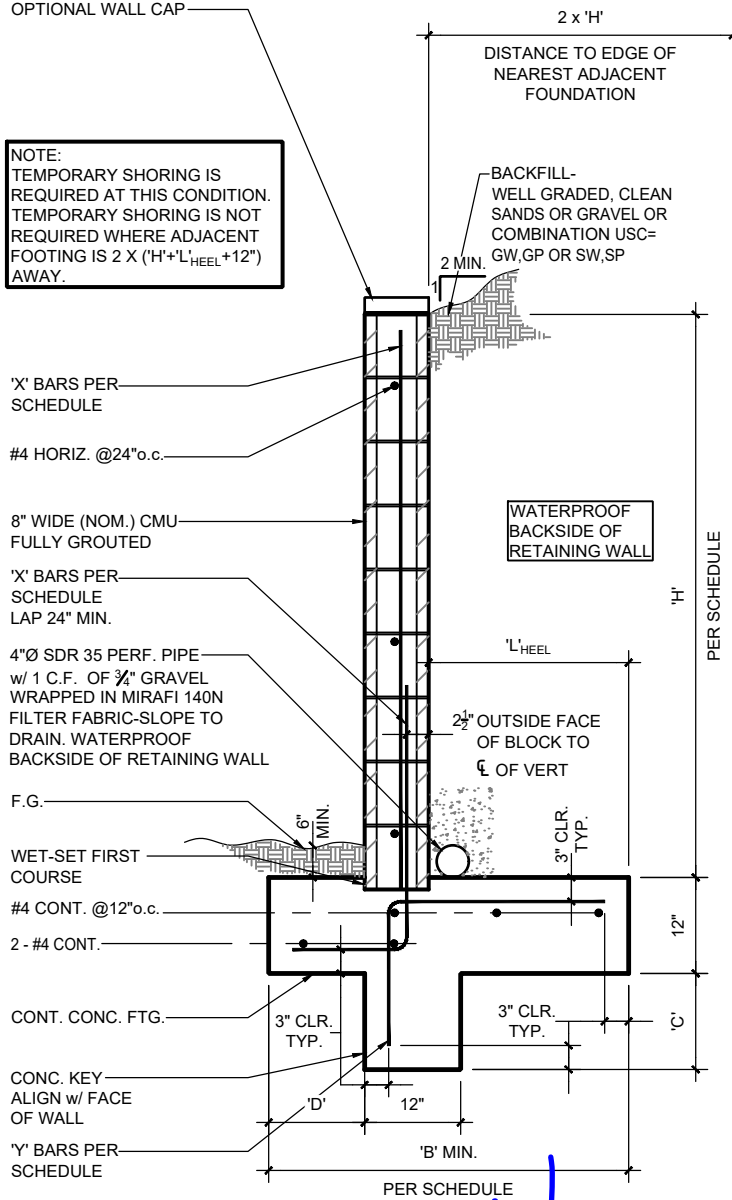
1. DESIGN CRITERIA PER 2022 CBC
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4. COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
5. CANTILEVER ACTIVE = 30pcf
6. MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY.
7. USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
8. THIS DESIGN IS BASED ON SEISMIC PARAMETERS AS FOLLOWS:
 $S_s \leq 2.14g$ & $S_{DS} \leq 1.40g$
 SITE SPECIFIC PARAMETERS ARE TO BE INVESTIGATED PRIOR TO COMMENCEMENT OF WORK. FOR S_s & S_{DS} GREATER THAN WHAT IS SHOWN, THIS DESIGN SHALL REQUIRE FURTHER ENGINEERING.

NOTES:

1. REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
2. NOT USED
3. STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
4. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
5. MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
6. GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
7. FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
8. CONCRETE BLOCK SHALL BE LAID IN RUNNING BOND PATTERN WITH VERTICAL CONTINUITY OF THE CELLS.
9. VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0"o.c., OR 20'-0"o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
10. NOT USED
11. INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
 B. AFTER VERTICAL REINFORCEMENT IS IN PLACE AND CELLS ARE READY FOR GROUT.
12. FOR TYPICAL FOOTING STEP AND DRAINAGE BLOCK-OUT DETAILS SEE DETAIL SHEET S-5.1.
13. EXCAVATION FOR WALL/FOUNDATION SHALL NOT UNDERMINE ANY ADJACENT STRUCTURES. TEMPORARY SHORING AND STABILIZATION OF ADJACENT STRUCTURES SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED.
14. THIS DESIGN IS NOT TO BE USED FOR GATE WALLS.
15. WALL SHALL BE FOUNDED ON PROPERLY COMPACTED SOIL.
16. BACKFILL SHALL BE PROPERLY COMPACTED.

LOADING:

1. SEISMIC, 5% DAMPING @ 1 SECOND ACCELERATION $C_s=0.80W_t$.



NOTE:
 TEMPORARY SHORING IS REQUIRED AT THIS CONDITION. TEMPORARY SHORING IS NOT REQUIRED WHERE ADJACENT FOOTING IS 2 X ('H'+L'_{HEEL}+12") AWAY.

APPROVED
 Coachella Building Division.
 Approval of these plans shall not be construed as a permit for, or approval of, any violation of any of the provisions of the state or local laws. One set of approved plans must be kept on the job site until completion.

By: L.Diaz DATE: 08/01/2023 MASONRY RETAINING WALL SCHEDULE					
'H'	'X' BARS	'Y' BARS	'B' MIN.	'C' MIN.	'D'
2'-0"	#4@32"o.c.	N/A	2'-3"	1'-0"	N/A
2'-8"	#4@32"o.c.	N/A	2'-3"	1'-4"	0'-6"
3'-4"	#4@32"o.c.	N/A	2'-6"	1'-7"	1'-0"
4'-0"	#4@16"o.c.	#4@8"o.c.	3'-6"	2'-4"	1'-0"
4'-8"	#4@8"o.c.	#4@8"o.c.	4'-3"	2'-11"	1'-0"
5'-4"	#4@8"o.c.	#4@8"o.c.	4'-3"	3'-0"	1'-0"
6'-0"	#5@8"o.c.	#4@8"o.c.	5'-0"	3'-8"	1'-6"



DATE SIGNED 07-12-2023

S-1.14

#23-090



CITY OF COACHELLA, CA

2' to 6' High Retaining Wall Toe-out Footing Level Backfill 8" Wide CMU

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

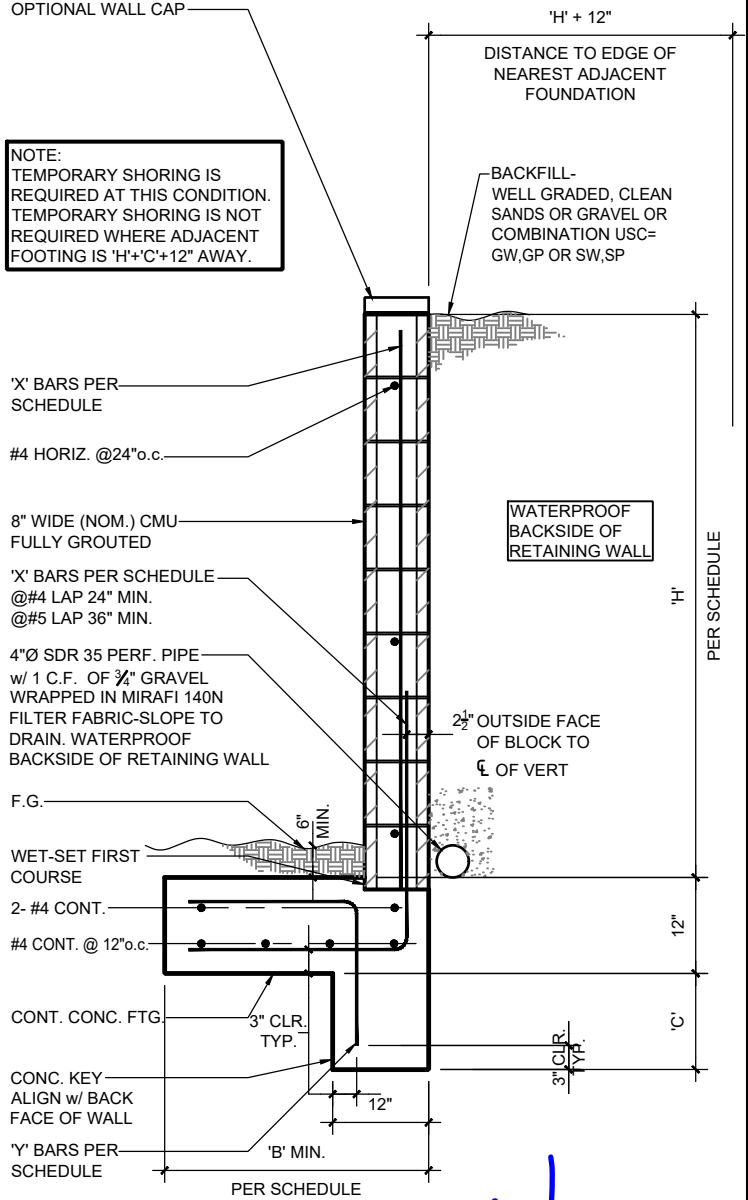
- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY.
- USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
- THIS DESIGN IS BASED ON SEISMIC PARAMETERS AS FOLLOWS:
 $S_s \leq 2.14g$ & $S_{DS} \leq 1.40g$
SITE SPECIFIC PARAMETERS ARE TO BE INVESTIGATED PRIOR TO COMMENCEMENT OF WORK. FOR S_s & S_{DS} GREATER THAN WHAT IS SHOWN, THIS DESIGN SHALL REQUIRE FURTHER ENGINEERING.

NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- NOT USED
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- CONCRETE BLOCK SHALL BE LAID IN RUNNING BOND PATTERN WITH VERTICAL CONTINUITY OF THE CELLS.
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0"o.c., OR 20'-0"o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
- NOT USED
- INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
B. AFTER VERTICAL REINFORCEMENT IS IN PLACE AND CELLS ARE READY FOR GROUT.
- FOR TYPICAL FOOTING STEP AND DRAINAGE BLOCK-OUT DETAILS SEE DETAIL SHEET S-5.1.
- EXCAVATION FOR WALL/FOUNDATION SHALL NOT UNDERMINE ANY ADJACENT STRUCTURES. TEMPORARY SHORING AND STABILIZATION OF ADJACENT STRUCTURES SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED.
- THIS DESIGN IS NOT TO BE USED FOR GATE WALLS.
- WALL SHALL BE FOUNDED ON PROPERLY COMPACTED SOIL.
- BACKFILL SHALL BE PROPERLY COMPACTED.

LOADING:

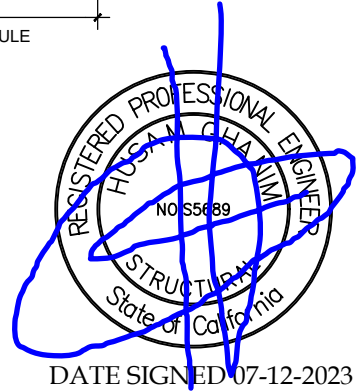
- SEISMIC, 5% DAMPING @ 1 SECOND ACCELERATION $C_s=0.80W_t$.



APPROVED
Coachella Building Division.
Approval of these plans shall not be construed as a permit for, or approval of, any violation of any of the provisions of the state or local laws. One set of approved plans must be kept on the job site until completion.

By: I Diaz DATE: 09/01/2023

MASONRY RETAINING WALL SCHEDULE				
'H'	'X' BARS	'Y' BARS	'B' MIN.	'C' MIN.
2'-0"	#4@32"o.c.	N/A	1'-5"	N/A
2'-8"	#4@32"o.c.	N/A	1'-8"	0'-4"
3'-4"	#4@32"o.c.	N/A	1'-10"	0'-7"
4'-0"	#4@32"o.c.	N/A	2'-2"	1'-2"
4'-8"	#4@32"o.c.	N/A	2'-6"	1'-3"
5'-4"	#4@16"o.c.	#4@16"o.c.	3'-0"	1'-6"
6'-0"	#4@8"o.c.	#4@8"o.c.	3'-4"	1'-10"



DATE SIGNED 07-12-2023

S-1.15
#23-090



CITY OF COACHELLA, CA
6' to 8' High Site Wall
Trench Footing
C @ 123mph (ult.)
Risk Category I
8" Wide CMU

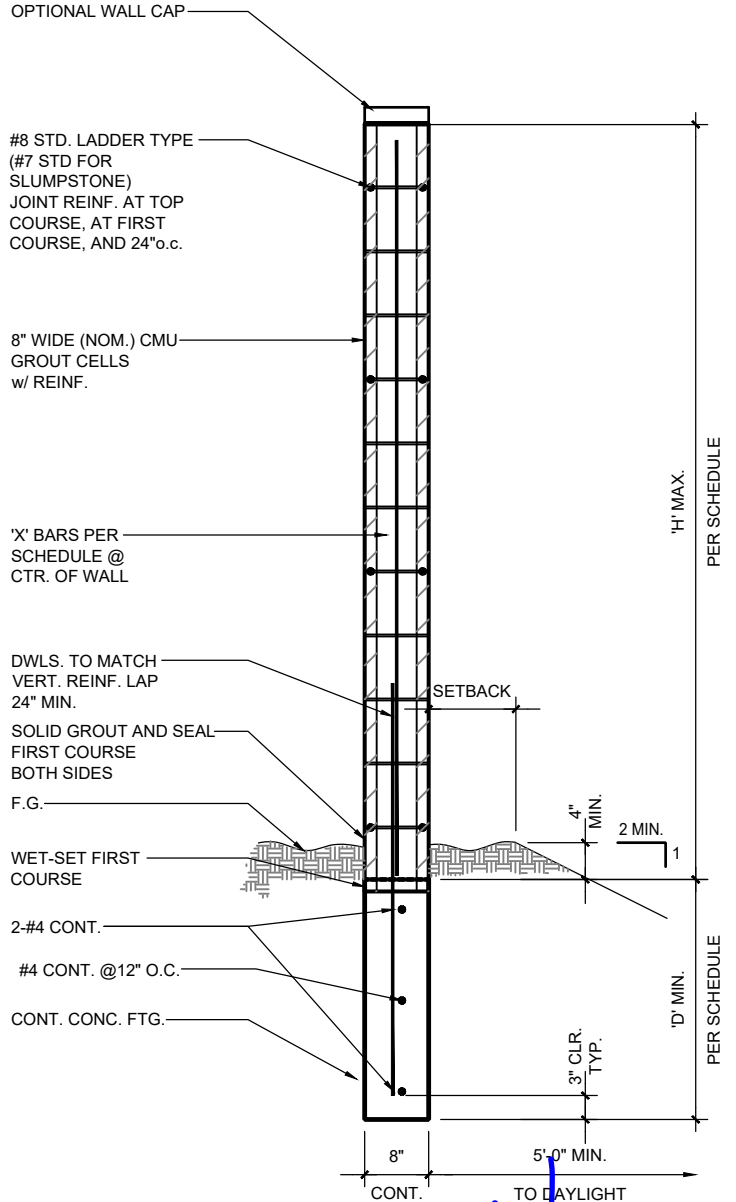
ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY.
- USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
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 $S_s \leq 2.14g$ & $S_{DS} \leq 1.40g$
 SITE SPECIFIC PARAMETERS ARE TO BE INVESTIGATED PRIOR TO COMMENCEMENT OF WORK. FOR S_s & S_{DS} GREATER THAN WHAT IS SHOWN, THIS DESIGN SHALL REQUIRE FURTHER ENGINEERING.

NOTES:

- REINFORCING STEEL SHALL BE DEFORMED AND CONFORM TO ASTM A615 GRADE 60. PROVIDE SPLICES (LAPS) OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER. CENTER VERTICAL BARS IN CELLS.
- JOINT REINFORCEMENT ("LADDER" TYPE) SHALL BE COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A951. PROVIDE MINIMUM 6 INCH LAP SPLICES.
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90. ANGELUS BLOCK PRECISION, SPLIT FACE, BURNISHED, OR SHOTBLAST, WITH OR WITHOUT MORTARLESS HEAD JOINTS (TONGUE-AND-GROOVE), OR ANGELUS BLOCK SLUMPSTONE SHALL BE USED. NO SUBSTITUTIONS.
- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
- CONCRETE BLOCK SHALL BE LAID IN RUNNING BOND PATTERN WITH VERTICAL CONTINUITY OF THE CELLS.
- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0" o.c., OR 20'-0" o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
- GROUT ALL CELLS WITH REINFORCEMENT.
- INSPECTIONS: A. AFTER FOOTING IS READY FOR CONCRETE AND ALL FOOTING REINFORCING IS TIED IN PLACE.
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- BACKFILL SHALL BE PROPERLY COMPACTED.



APPROVED
 Coachella Building Division.
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 By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.16
 #23-090

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
 V_{ASD} = ALLOWABLE STRESS DESIGN WIND SPEED

'H' MAX.	DESIGN WIND EXP / mph	'X' BARS	'D' MIN.
6'-0"	C @ 123	#4@48"o.c.	2'-11"
6'-8"	C @ 123	#4@40"o.c.	3'-4"
7'-4"	C @ 123	#4@32"o.c.	3'-7"
8'-0"	C @ 123	#4@24"o.c.	3'-10"

DESIGN IS ADEQUATE FOR 2:1 MIN. SLOPE WITH NO SETBACK



CITY OF COACHELLA, CA

6' to 8' High Site Wall Trench Footing C @ 123mph (ult.) Risk Category I 8" Wide Stacked Bond CMU

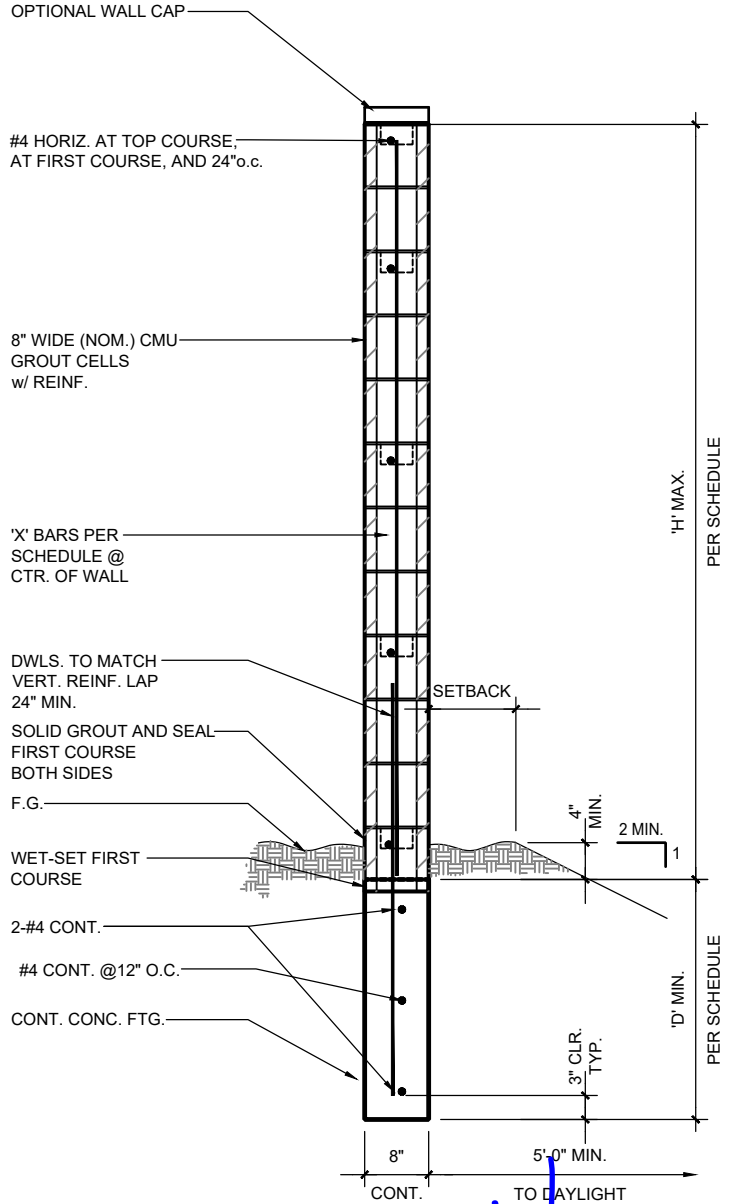
ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

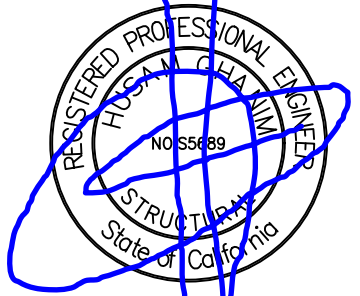
- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
- ALLOWABLE SOIL PASSIVE PRESSURE = 150pcf
- COEFFICIENT OF FRICTION = 0.25, COHESION = 0psf
- CANTILEVER ACTIVE = 30pcf
- MASONRY COMPRESSIVE STRENGTH, $f_m = 2000\text{psi}$. SPECIAL INSPECTION NOT REQUIRED PER CBC SECTION 1704.2, EXCEPTION 2, 'U' OCCUPANCY. USER TO VERIFY APPLICABILITY OF THE DEFINED DESIGN CRITERIA FOR THE PROJECT SPECIFIC SITE
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NOTES:

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- NOT USED
- STRENGTH OF CONCRETE FOR FOOTINGS = 4500psi @ 28 DAYS, UNLESS OTHERWISE REQUIRED BY SOILS REPORT.
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- MORTAR SHALL BE SPEC MIX TYPE S PREBLENDED MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO ASTM C270, OR SPEC MIX IWR MASONRY MORTAR AS MANUFACTURED BY E-Z MIX INC., CONFORMING TO PROPERTY REQUIREMENTS OF ASTM C270. NO SUBSTITUTIONS.
- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
- FIRST COURSE MAY BE WET-SET 1 1/2 INCHES MAX. WHILE CONCRETE IS PLASTIC.
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- VERTICAL CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 40'-0"o.c., OR 20'-0"o.c. IF WALL IS TO BE STUCCO COATED OR MORTAR WASHED
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APPROVED
Coachella Building Division.
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By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-1.17

#23-090

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
 V_{ASD} = ALLOWABLE STRESS DESIGN WIND SPEED

GSE
GHANIM STRUCTURAL
ENGINEERING

898 N. FAIR OAKS AVE., STE. F, PASADENA, CA 91103
T: 626.407.2224 • www.ghanimSE.com

'H' MAX.	DESIGN WIND EXP / mph	'X' BARS	'D' MIN.
6'-0"	C @ 123	#4@48"o.c.	2'-11"
6'-8"	C @ 123	#4@40"o.c.	3'-4"
7'-4"	C @ 123	#4@32"o.c.	3'-7"
8'-0"	C @ 123	#4@24"o.c.	3'-10"

DESIGN IS ADEQUATE FOR 2:1 MIN. SLOPE WITH NO SETBACK

This detail is designed exclusively for Angelus Block Co., Inc. concrete masonry units and E-Z Mix Inc. products as specified herein. No substitutions allowed.



ANGELUS
BLOCK CO., INC.
Since 1946

ANGELUS BLOCK MASONRY FENCE WALL SYSTEM

DESIGN CRITERIA:

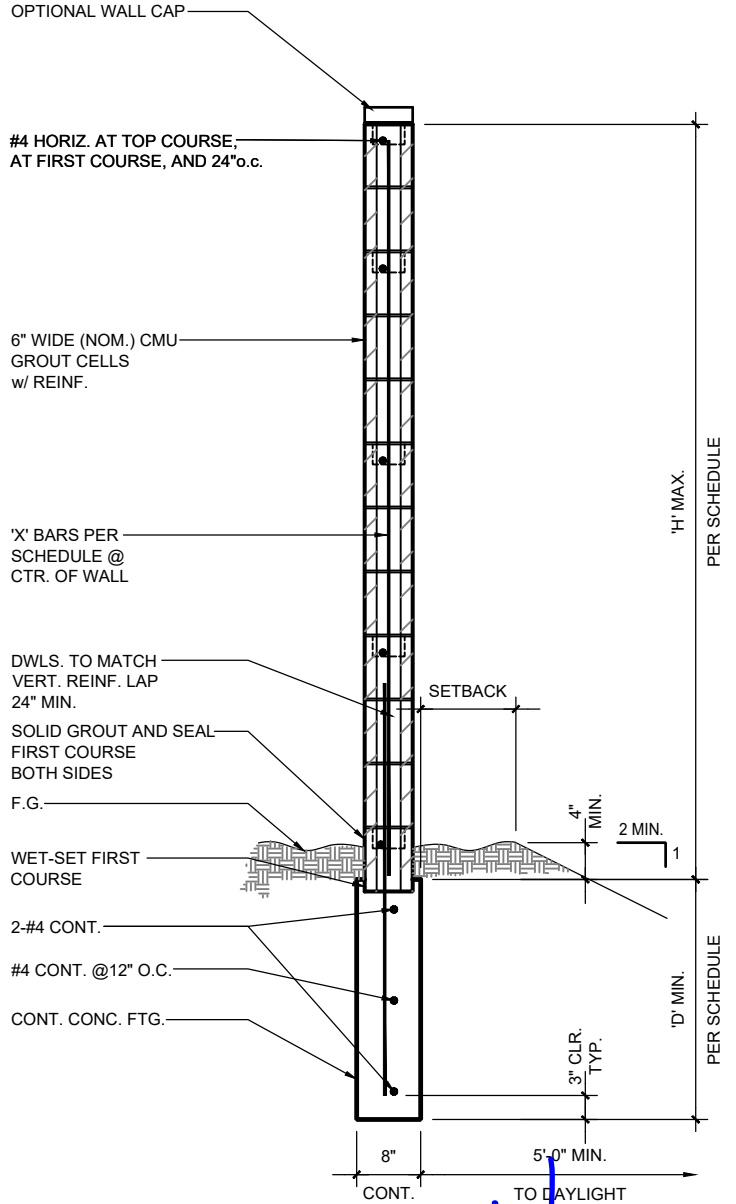
- DESIGN CRITERIA PER 2022 CBC
- ALLOWABLE SOIL BEARING PRESSURE = 1500psf
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- GROUT SHALL CONFORM TO ASTM C476, WITH AN 8-11 INCH SLUMP, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2000psi.
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- BACKFILL SHALL BE PROPERLY COMPACTED.

CITY OF COACHELLA, CA

**6' to 8' High Site Wall
Trench Footing
C @ 123mph (ult.)
Risk Category I
6" Wide Stacked Bond CMU**



APPROVED

Coachella Building Division.

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By: L.Diaz DATE 08/01/2023

V	100	110	120	123	130
V_{ASD}	78	85	93	96	101

V = BASIC DESIGN WIND SPEEDS
 V_{ASD} = ALLOWABLE STRESS DESIGN WIND SPEED



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'H' MAX.	DESIGN WIND EXP / mph	'X' BARS	'D' MIN.
6'-0"	C @ 123	#4@48"o.c.	2'-8"
6'-8"	C @ 123	#4@32"o.c.	2'-11"
7'-4"	C @ 123	#4@24"o.c.	3'-2"
8'-0"	C @ 123	#4@24"o.c.	3'-5"

DESIGN IS ADEQUATE FOR 2:1 MIN. SLOPE WITH NO SETBACK

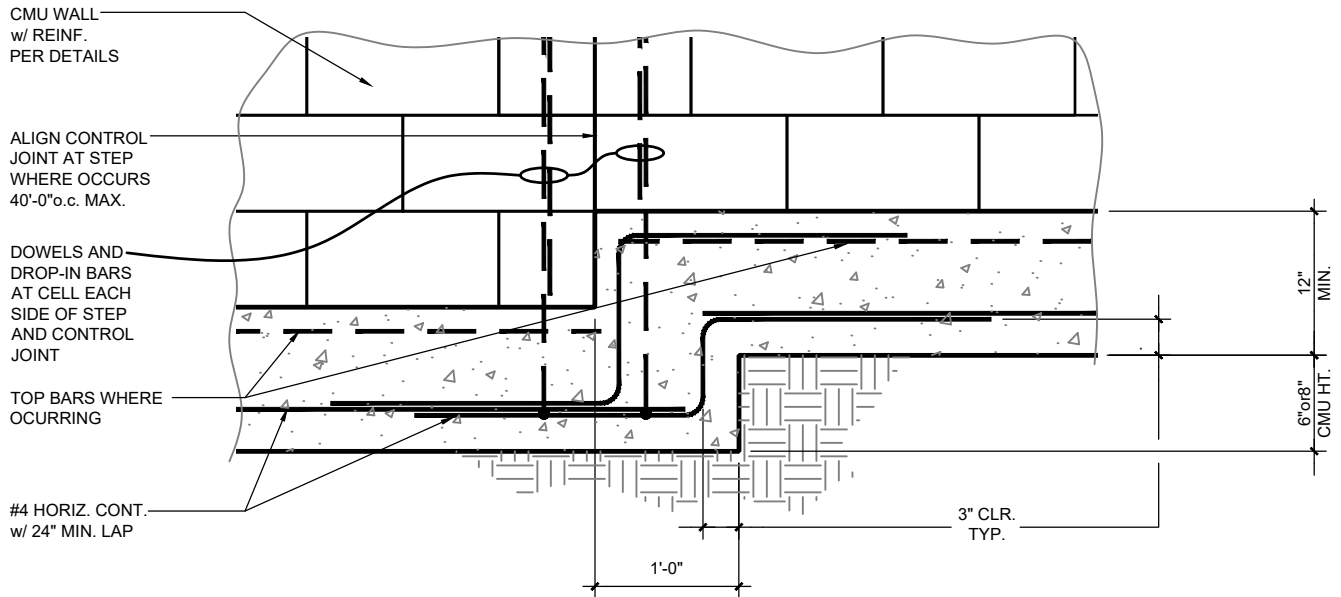
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DATE SIGNED 07-12-2023

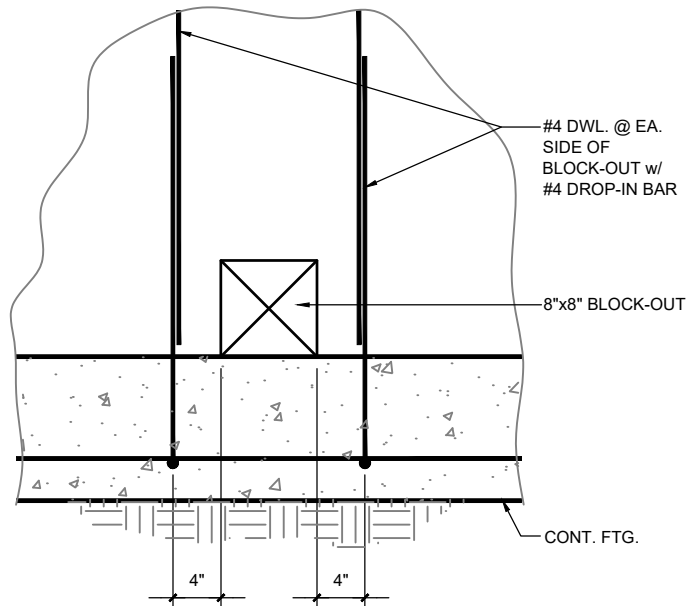
S-1.18

#23-090



FOOTING STEP DETAIL

NOTE:
FOR SIDEYARD RETURN WALLS
WHERE DRAINAGE SWALE OCCURS,
A 1/2 BLK. MAY BE LEFT OUT AT
SWALE GRADE. PROVIDE #4 DWL.
& #4 DROP-IN BAR ON EA. SIDE OF
THE 1/2 BLK. DRAIN AS SHOWN.



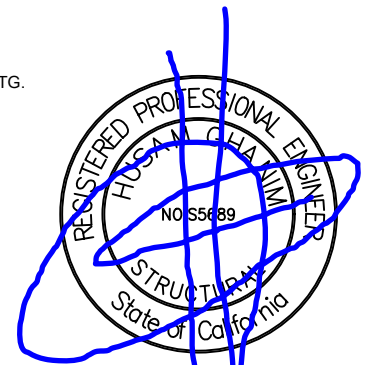
DRAINAGE BLOCK-OUT DETAIL

APPROVED

Coachella Building Division.

Approval of these plans shall not be construed as a permit for, or approval of, any violation of any of the provisions of the state or local laws. One set of approved plans must be kept on the job site until completion.

By: L.Diaz DATE 08/01/2023



DATE SIGNED 07-12-2023

S-5.1

#23-090