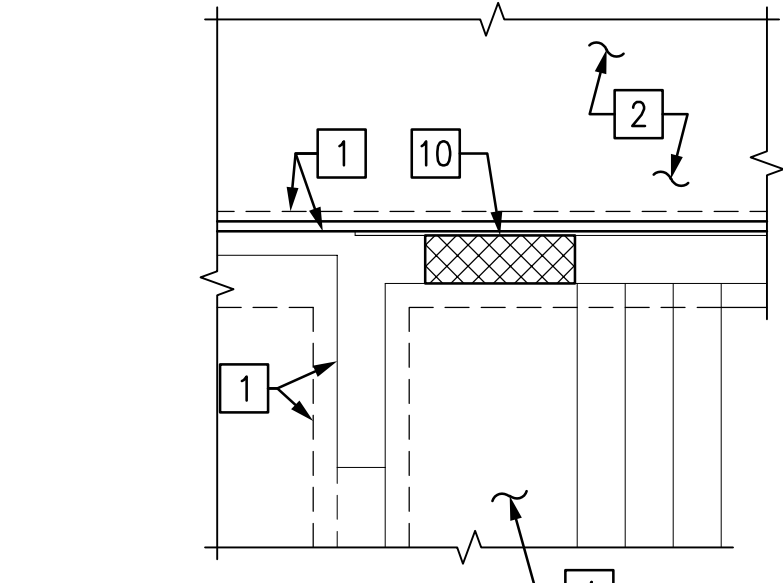


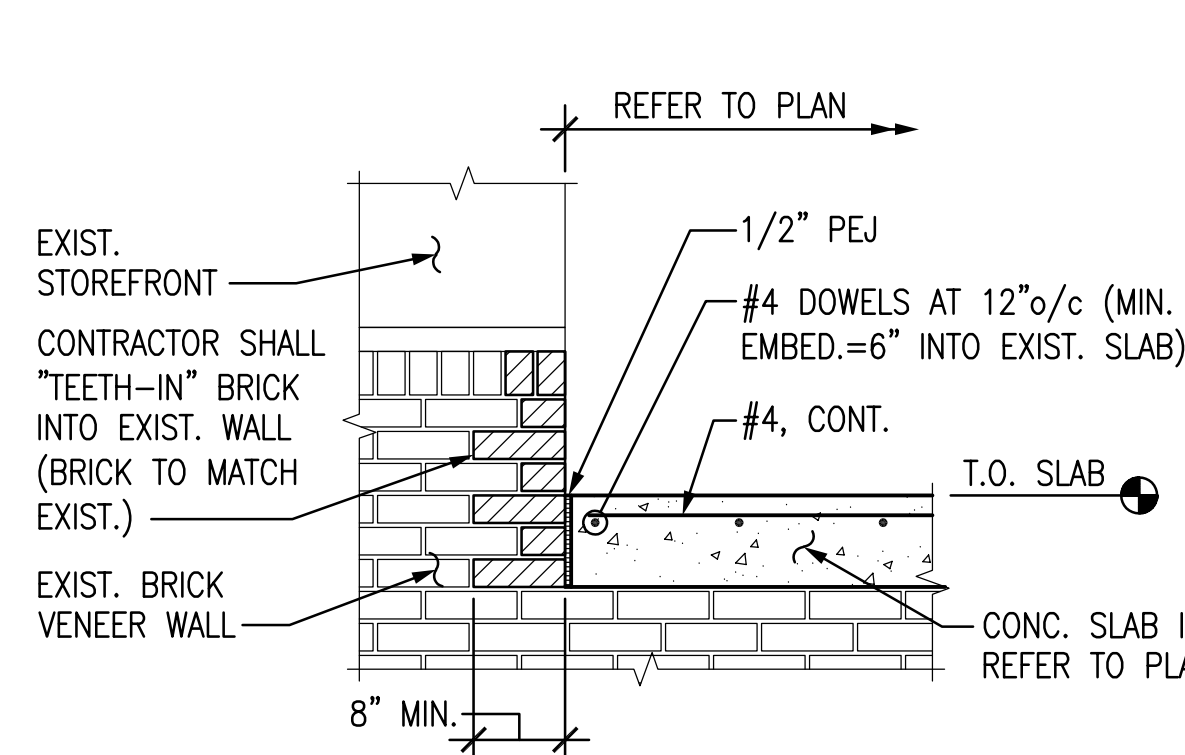
PARTIAL FOUNDATION PLAN

1/4" = 1'-0"



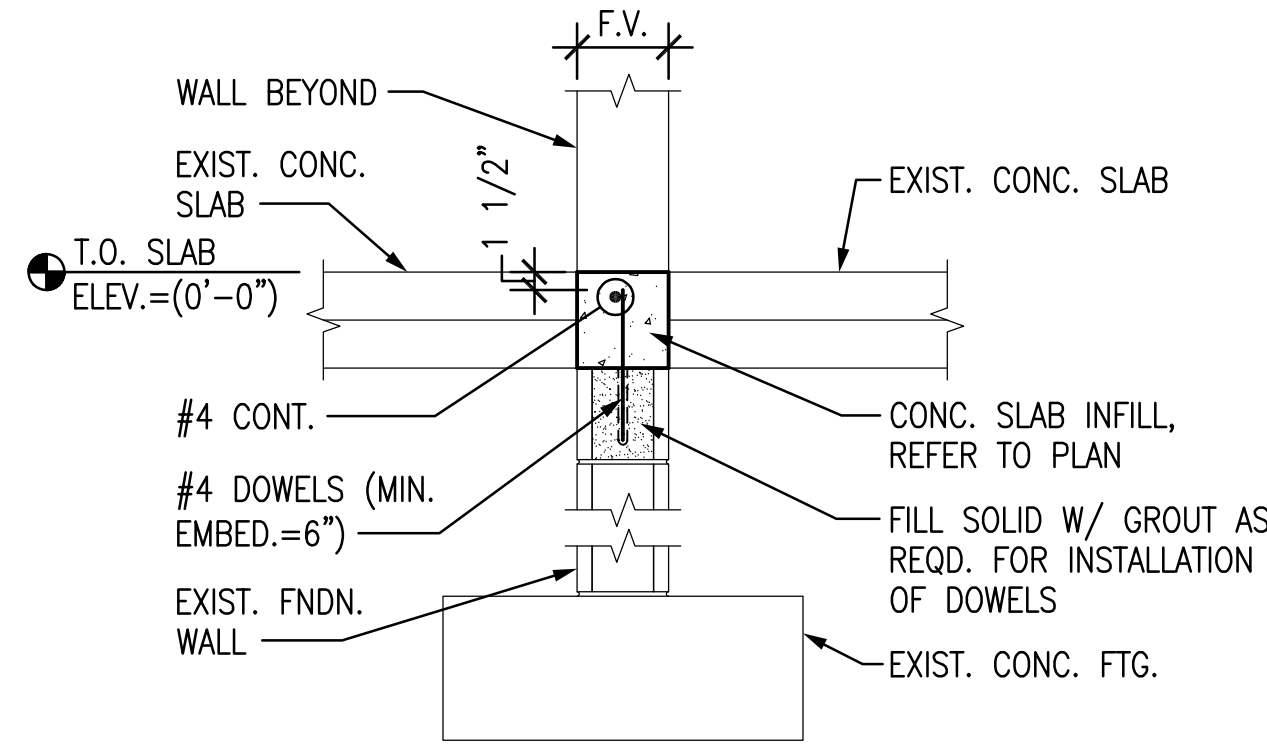
PARTIAL FOUNDATION PLAN

1/4" = 1'-0"



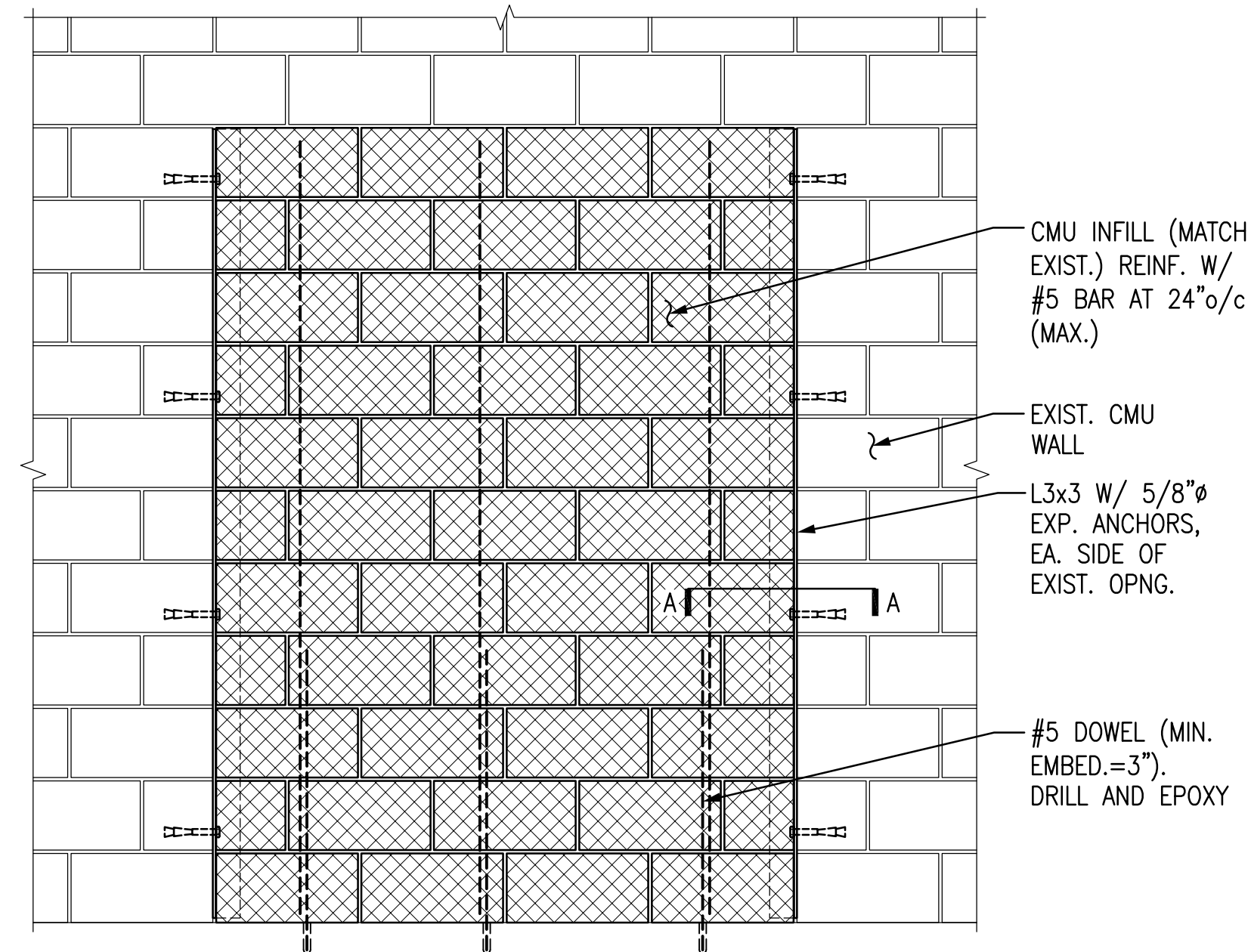
SECTION

3/4" = 1'-0"



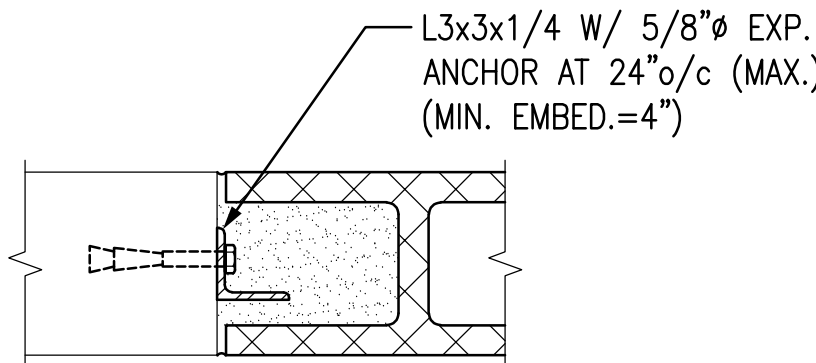
SECTION

3/4" = 1'-0"



TYPICAL MASONRY WALL INFILL ELEVATION

NOT TO SCALE



SECTION A-A

PLAN NOTES:

1. ALL WORK SHOWN IS NEW WORK UNLESS DENOTED AS EXISTING. ALL EXISTING ITEMS AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION.
2. TOP OF EXISTING INTERIOR SLAB ELEVATION EQUALS REFERENCE ELEVATION 0'-0". ALL ELEVATIONS ARE BASED UPON THIS REFERENCE ELEVATION.
3. REFER TO THE ARCHITECTURAL DRAWINGS FOR DEMOLITION NOT NOTED.
4. CONTRACTOR SHALL COORDINATE DIMENSIONS NOT NOTED WITH THE ARCHITECTURAL DRAWINGS.
5. CONTRACTOR SHALL IN NO WAY DAMAGE ANY BUILDING COMPONENT TO REMAIN. IF DAMAGE OCCURS, IT SHALL BE REPAIRED OR REPLACED (TO THE SATISFACTION OF THE OWNER) AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, GUYING, AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK HAS BEEN COMPLETED. THE DESIGN OF SHORING, GUYING, AND BRACING IS THE RESPONSIBILITY OF THE CONTRACTOR.

KEY NOTES:

- 1 EXISTING FOUNDATION AND FOUNDATION WALL.
- 2 EXISTING CONCRETE SLAB-ON-GRADE.
- 3 EXISTING CONCRETE SIDEWALK.
- 4 EXISTING CONCRETE LANDING AND STAIRS.
- 5 EXISTING COLUMN.
- 6 CONTRACTOR SHALL DEMOLISH EXISTING BRICK VENEER AND FOUNDATION WALL DENOTED ON PLAN (-0'-8") BELOW FINISHED FLOOR ELEVATION. PROVIDE NEW CONCRETE SLAB IN-FILL, 8" DEEP (MINIMUM) BY WIDTH OF WALL (FIELD VERIFY), REINFORCED AS SHOWN IN SECTION 2 ON THIS SHEET. REMOVE EXISTING SLAB AS REQUIRED TO REMOVE THE WALL.
- 7 PROVIDE BRICK VENEER TO MATCH EXISTING. "TEETH-IN" BRICK (8" MINIMUM) INTO EXISTING MASONRY WALL WHERE APPLICABLE.
- 8 PROVIDE CMU TO MATCH EXISTING. "TEETH-IN" CMU (16" MINIMUM) INTO EXISTING MASONRY WALL WHERE APPLICABLE. GROUT ALL CMU CELLS SOLID, UNLESS OTHERWISE NOTED.
- 9 W8x21 STEEL BEAM LINTEL ABOVE WITH 3/8" THICK x CONTINUOUS STEEL PLATE (PLATE WIDTH SHALL EQUAL WALL WIDTH, MINUS 1").
- 10 CMU INFILL AT EXISTING OPENING. REFER TO TYPICAL MASONRY WALL INFILL ELEVATION ON THIS SHEET.

GENERAL NOTES:

1. ALL ITEMS SHOWN ON THIS DRAWING ARE NEW CONSTRUCTION, UNLESS OTHERWISE NOTED AS EXISTING.
2. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION AND ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
3. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
4. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, ANCHORS, CHASES, INSERTS, HANGERS, HOLES, ETC. TO BE PLACED IN THE STRUCTURAL WORK.
5. THE STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. THE FOLLOWING LOADS IN ADDITION TO THE LOADS OF THE PERMANENT MATERIALS AND CONSTRUCTION, WERE USED:

GROUND SNOW LOAD : 30 PSF
ROOF LOAD : 20 PSF
GROUND FLOOR : 100 PSF
WIND SPEED : 114 MPH
RISK CATEGORY : II
EXPOSURE CATEGORY : B
FROST DEPTH : 48"

6. CONTRACTOR SHALL PROTECT EXISTING BUILDING ELEMENTS TO REMAIN. ANY DAMAGE DONE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

CAST IN PLACE CONCRETE NOTES:

1. CAST-IN-PLACE CONCRETE FOR THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE (ACI) : ACI 318 AND ACI 318R "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND COMMENTARY".
2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI. ALL FLOOR SLAB CONCRETE SHALL BE AIR ENTRAINED WITH 3.5% TO 6.5% AIR.
3. REINFORCING MATERIALS SHALL BE AS FOLLOWS:
A) REINFORCING BARS - ASTM A615, GRADE 60, DEFORMED.
B) WELDED WIRE REINFORCEMENT - ASTM A185, WELDED STEEL WIRE REINFORCEMENT. PROVIDE SHEET TYPE, ROLL TYPE NOT ACCEPTABLE.
4. ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR BOLTS AND WELD PLATES SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN AND ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.
5. MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS INDICATED ON THE DRAWINGS SHALL GOVERN WHEN IN CONFLICT WITH ACI 318.

MASONRY NOTES:

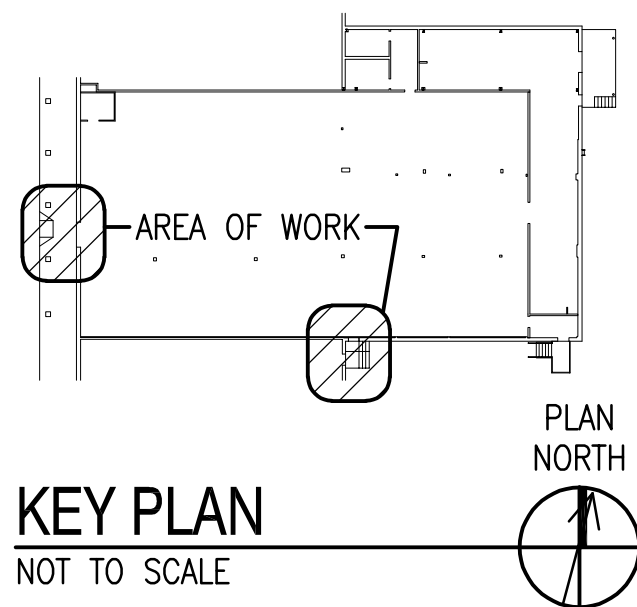
1. ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE (ACI) : ACI 530, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND ACI 530.1, "SPECIFICATIONS FOR MASONRY STRUCTURES."
2. ALL CONCRETE MASONRY UNITS SHALL BE IN ACCORDANCE WITH ASTM C-90 "SPECIFICATIONS FOR HOLLOW LOAD-BEARING UNITS" AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF F'M=1,500 PSI.
3. ALL MORTAR FOR USE IN ENGINEERED MASONRY BEARING WALLS SHALL BE IN ACCORDANCE WITH ASTM C-270 TYPE "S" MORTAR. ALL MASONRY GROUT SHALL BE IN ACCORDANCE WITH ASTM C476 AND SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
4. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60 DEFORMED BARS. CENTER REINFORCING BARS IN BLOCK CELLS UNLESS OTHERWISE NOTED.
5. THE MASONRY CONTRACTOR SHALL BUILD, REINFORCE, AND GROUT THE WALLS IN NO GREATER THAN 4'-0" LIFTS, VIBRATING GROUT IMMEDIATELY AFTER EACH LIFT.
6. PROVIDE GALVANIZED HORIZONTAL LADDER (EXTERIOR CONDITION)/TRUSS (INTERIOR CONDITION) TYPE JOINT REINFORCING WITH NO. 9 GAGE CROSS RODS AT 16" ON CENTER ON ALL WALLS.
7. DIMENSIONS SHOWN FOR CMU WALLS ARE NOMINAL BLOCK. HOLD DIMENSIONS TO OUTSIDE FACE OF CMU.

STRUCTURAL STEEL NOTES:

1. ALL STRUCTURAL WIDE FLANGE SHAPES SHALL BE IN ACCORDANCE WITH ASTM A992, GRADE 50 KSI SPECIFICATIONS. ALL STEEL ANGLES, PLATES AND MISCELLANEOUS MEMBERS SHALL BE IN ACCORDANCE WITH ASTM A36 GRADE 36 KSI SPECIFICATIONS. STRUCTURAL PIPING SHALL BE IN ACCORDANCE WITH ASTM A53, GRADE B.
2. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOURTEENTH EDITION OF THE MANUAL OF STEEL CONSTRUCTION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
3. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1.
4. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE PAINTED WITH TNE MEC HI-BUILD EPOXOLINE, SERIES 66, PRIME AND INTERMEDIATE COATS AND ENDURA-SHIELD II, SERIES 1074, FINISH COAT. TOTAL PAINT THICKNESS SHALL NOT BE LESS THAN 10 MILS. ALL PAINTING SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTION.

STRUCTURAL ABBREVIATIONS LIST

ADDIT.	ADDITION/ADDITIONAL	MECH.	MECHANICAL
ARCH.	ARCHITECTURAL	MPH	MILES PER HOUR
B.O.	BOTTOM OF	MTL	METAL
CMU	CONCRETE MASONRY UNIT	o/c	ON CENTER
CONC.	CONCRETE	O.H.	OPPOSITE HAND
CONT.	CONTINUE/CONTINUOUS	OPNG.	OPENING
COORD.	COORDINATE	OPP.	OPPOSITE
ø	DIAMETER	PEJ	PREMOLDED EXPANSION JOINT
DIAG.	DIAGONAL	PLF	POUNDS PER LINEAR FOOT
DWGS.	DRAWINGS	PSF	POUNDS PER SQUARE FOOT
EA.	EACH	PSI	POUNDS PER SQUARE INCH
ELEV.	ELEVATION	REINF.	REINFORCED/REINFORCING
EMBED.	EMBEDDED/EMBEDMENT	REQD.	REQUIRED
EQUIP.	EQUIPMENT	RTU	ROOT TOP UNIT
EXIST.	EXISTING	SIM.	SIMILAR
FNDN.	FOUNDATION	STL.	STEEL
FTG.	FOOTING	STRUCT.	STRUCTURE/STRUCTURAL
F.V.	FIELD VERIFY	THK.	THICK/THICKNESS
K	KIP (1,000 POUNDS)	T.O.	TOP OF
KSI	KIPS PER SQUARE INCH	TYP.	TYPICAL
LBS	POUND/POUNDS	U.O.N.	UNLESS OTHERWISE NOTED
LLV	LONG LEG VERTICAL	VERT.	VERTICAL
MAS.	MASONRY	W/	WITH
MAX.	MAXIMUM	WT.	WEIGHT
MIN.	MINIMUM		

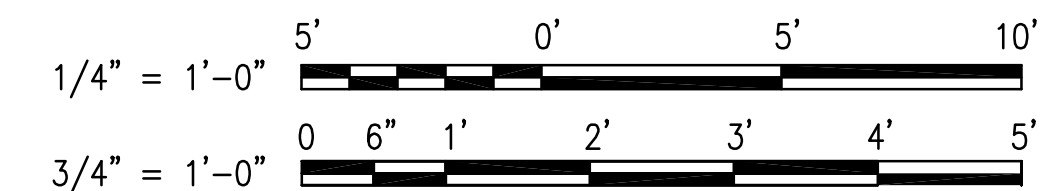


KEY PLAN

NOT TO SCALE

NOTE:
IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE
MUST BE USED.

GRAPHIC SCALE:



GABRIEL M. GORRING
STRUCTURAL ENGINEER
182 Ballard Court, Suite 102
Vero Beach, Florida 33462
Phone (787) 965-2500
Fax (787) 965-2001
email Goring@GoringDesignGroup.com

ALL PLANS, SPECIFICATIONS AND RECORDS TO WHICH THE SEAL OF AN ARCHITECT HAS BEEN APPLIED, THERE SHALL ALSO BE APPLIED A STAMP WITH APPROPRIATE WORKING WARNING THAT IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF AN ARCHITECT, TO MAKE ANY CHANGES, ALTERATIONS, OR ADDITIONS TO ANY OF THE ARCHITECT'S DRAWINGS, SPECIFICATIONS, OR RECORDS WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. THE VIOLATION SHALL BE FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

description
by
date
mark
revisions

08/15/2022
2022.27 D13216
date
project
designed
drawn
checked

Dean Associates
Architects Incorporated
Architecture & Interior Design
7 Kimball Lane Suite 16
Lynfield MA 01940
p: 781.397.8092 f: 781.397.8094
www.deanassoc.com



DOLLAR TREE
166 S. LIBERTY DRIVE - DEAL #13216 / STORE #2573
STONY POINT, NY 10980
PARTIAL FOUNDATION PLANS, NOTES, AND DETAILS

project
drawing

sheet

S1