

GENERAL NOTES - STRUCTURAL

GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONVENIENCES.
2. DO NOT SCALE THE DRAWING.
3. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 1988 EDITION OF THE UNIFORM BUILDING CODES, AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK.
5. ALL REFERENCED CODES, MANUALS, STANDARDS, ETC. SHALL BE THE LATEST APPROVED EDITION.
6. THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION (AND OBTAIN PERMITS IF REQUIRED). OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF SUCH MEASURES. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENING ETC., NOT SHOWN ON STRUCTURAL DRAWINGS BUT LOCATED IN STRUCTURAL MEMBERS.

FOUNDATION

1. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL PRESSURE OF 1500 PSF.
2. THE CONTRACTOR SHALL INVESTIGATE SITE DURING CLEANING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES. IF ANY SUCH ITEMS ARE FOUND, NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY. VARIATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
3. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CHIRRING, SHEATHING AND SHORING REQUIRED TO SAFELY AND ADEQUATELY RETAIN THE EARTH BANKS.
4. EXCAVATIONS, BACKFILLS, COMPACTION, ETC. SHALL BE APPROVED BY THE SOILS ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. CONTRACTOR TO NOTIFY SOILS ENGINEER WHEN INSPECTION OF THESE ITEMS ARE READY. CONTRACTOR TO INSURE THAT THE SOILS ENGINEER'S REPORT OF COMPLIANCE IS SUBMITTED TO THE OWNER.
5. FOUNDATIONS SHALL BE ESTIMATED AND PLACED ACCORDING TO DEPTHS SHOWN ON THE DRAWINGS.
6. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED.

REINFORCING STEEL (FOR CONCRETE AND MASONRY)

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) AND THE "MANUAL OR STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION" BY THE CRSI AND WORSI.
2. SCHEDULE OF REINFORCING STEEL:

-MASONRY	ASTM	A-615, GRADE 40
-STIRRUPS AND TIES	ASTM	A-615, GRADE 40
-SLAB ON GRADE: W. W. F.	ASTM	A-185
-ALL OTHERS REINFORCING STEEL	ASTM	A-615, GRADE 60
3. REINFORCEMENT SHALL BE WELDED WITH LOW HYDROGEN ELECTRODES IN CONFORMANCE WITH "RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL" - AWS - D1.4.
4. ALL REINFORCING STEEL SHALL BE COLD BENT.
5. DOWELS BETWEEN FOUNDATIONS AND WALLS OR COLUMNS SHALL BE THE SAME SIZE, AND SPACING OR NUMBER AS THE VERTICAL REINFORCEMENT.

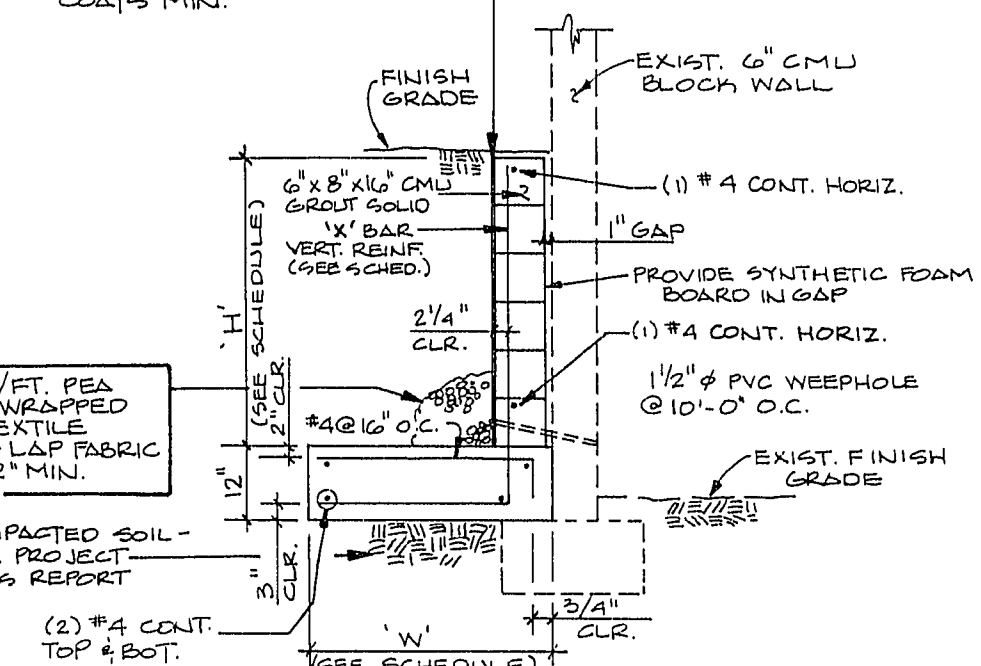
MASONRY (CONCRETE BLOCK)

1. CONCRETE BLOCK SHALL BE HOLLOW LOAD BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90-75, $F_m = 1500$ PSI.
2. CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.
3. REINFORCING BARS - SEE "REINFORCING STEEL NOTES"
4. MORTAR MIX SHALL CONFORM TO THE REQUIREMENTS OF UBC TABLE 24-A, TYPE 5 MORTAR. MORTAR SHALL ATTAIN A 28-DAYS COMPRESSIVE STRENGTH OF 1800 PSI.
5. GROUT SHALL CONFORM TO REQUIREMENTS OF UBC 2403 FOR COARSE GROUT. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. GROUT SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
6. PROVIDE A MINIMUM OF 1/2 INCH GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
7. FOR LOW OR HIGH LIFT GROUT CONSTRUCTION REFER TO UBC 2404(f).
8. ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT. USE BOND BEAM UNITS AT HORIZONTAL REINFORCING.
9. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CURES CONTAINING REINFORCING STEEL.

RETAINING WALL & FOUNDATION SCHEDULE

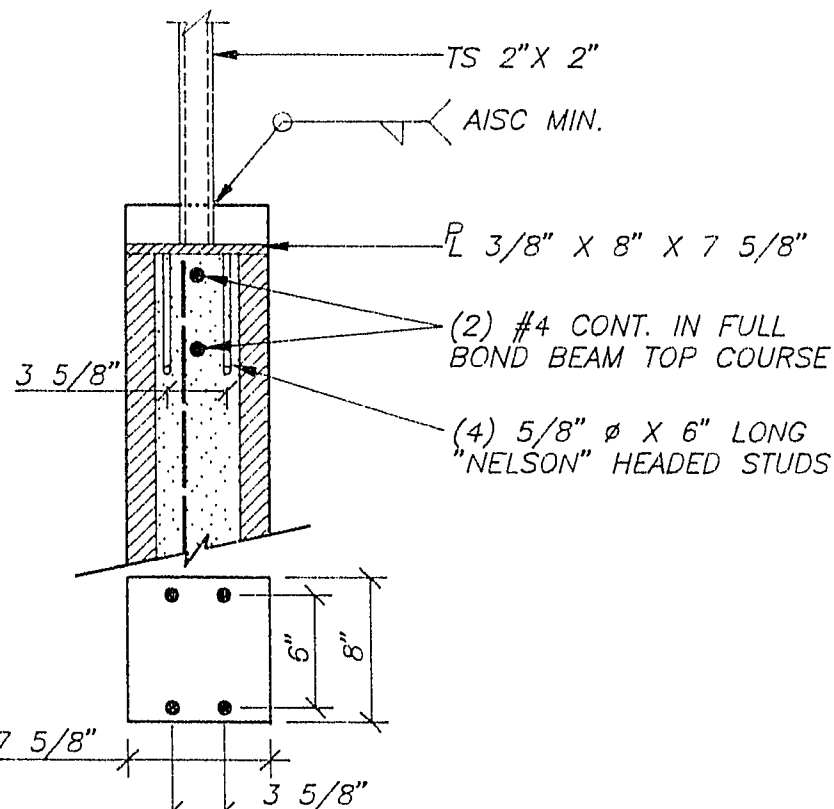
H	W	'X' BARS
2'-0"	1'-0"	#4 @ 32"
2'-0"	2'-0"	#4 @ 32"
2'-0"	2'-0"	#4 @ 16"

ASPHALT EMULSION WATERPROOFING - 2 COATS MIN.



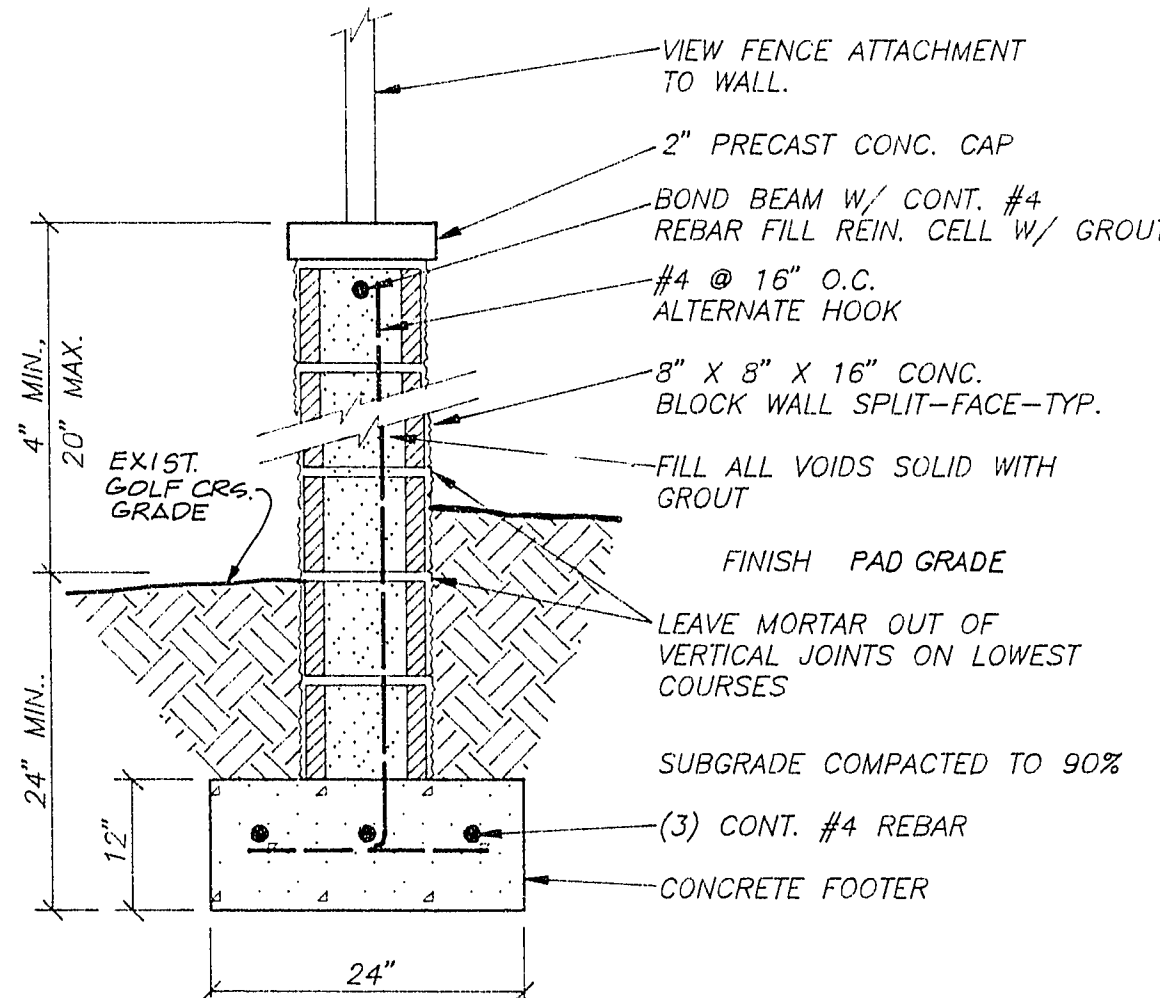
TYPICAL VILLAGE WALL SECTION WHERE PAD IS HIGHER THAN ONE FOOT ABOVE EXIST. LANDSCAPE AREA

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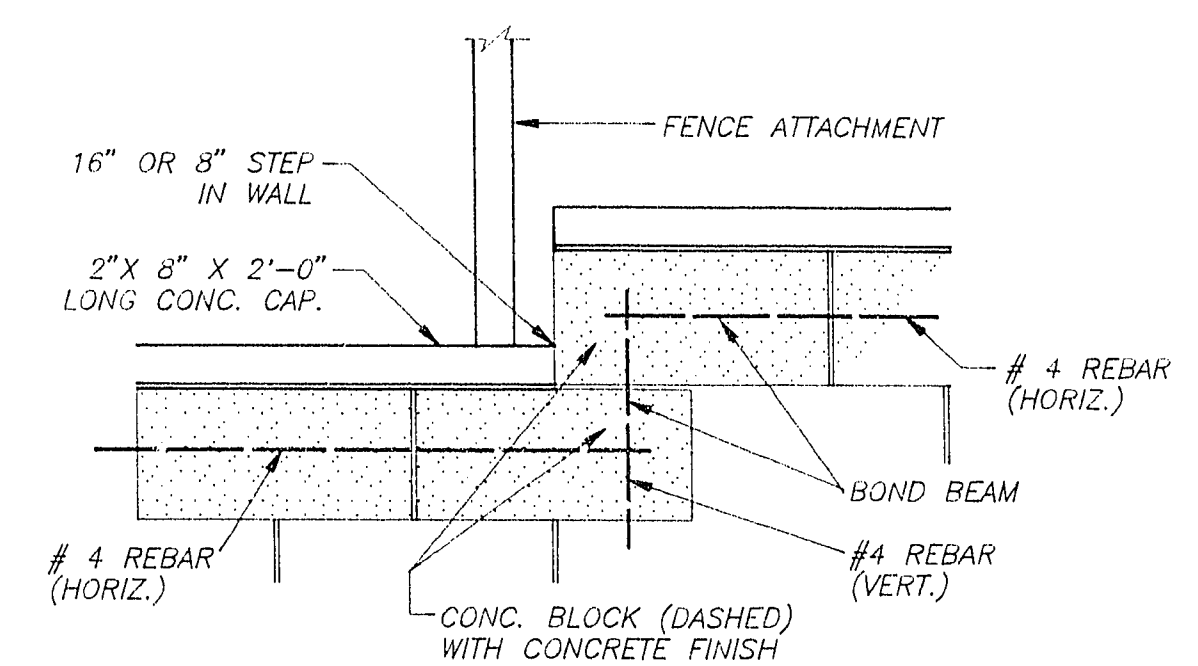
FENCE POST FOUNDATION
SCALE: N.T.S.

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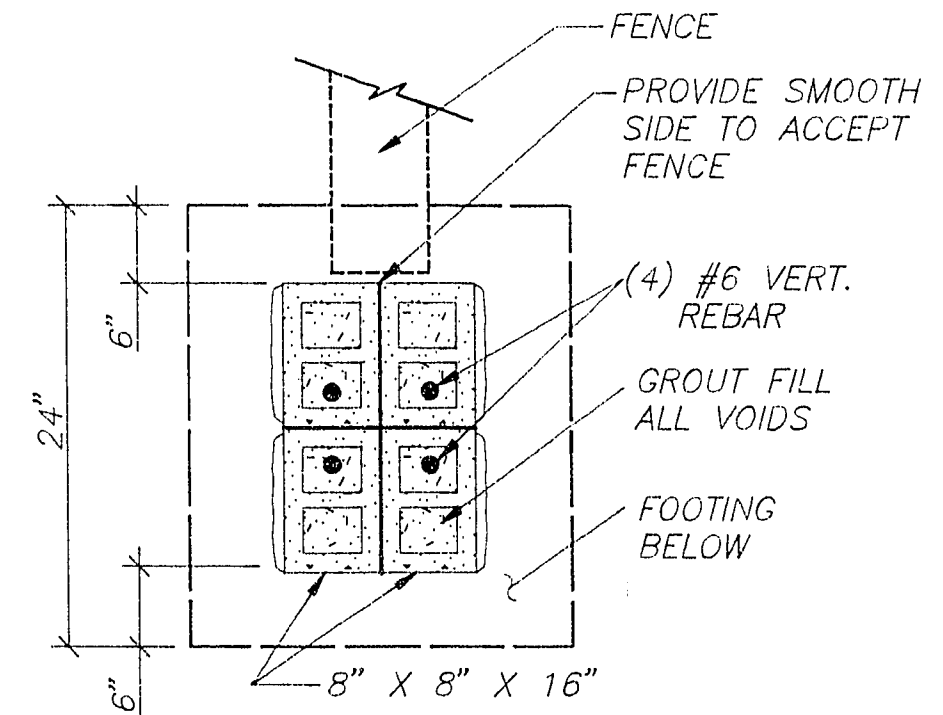
VIEW FENCE WALL
SCALE: N.T.S.

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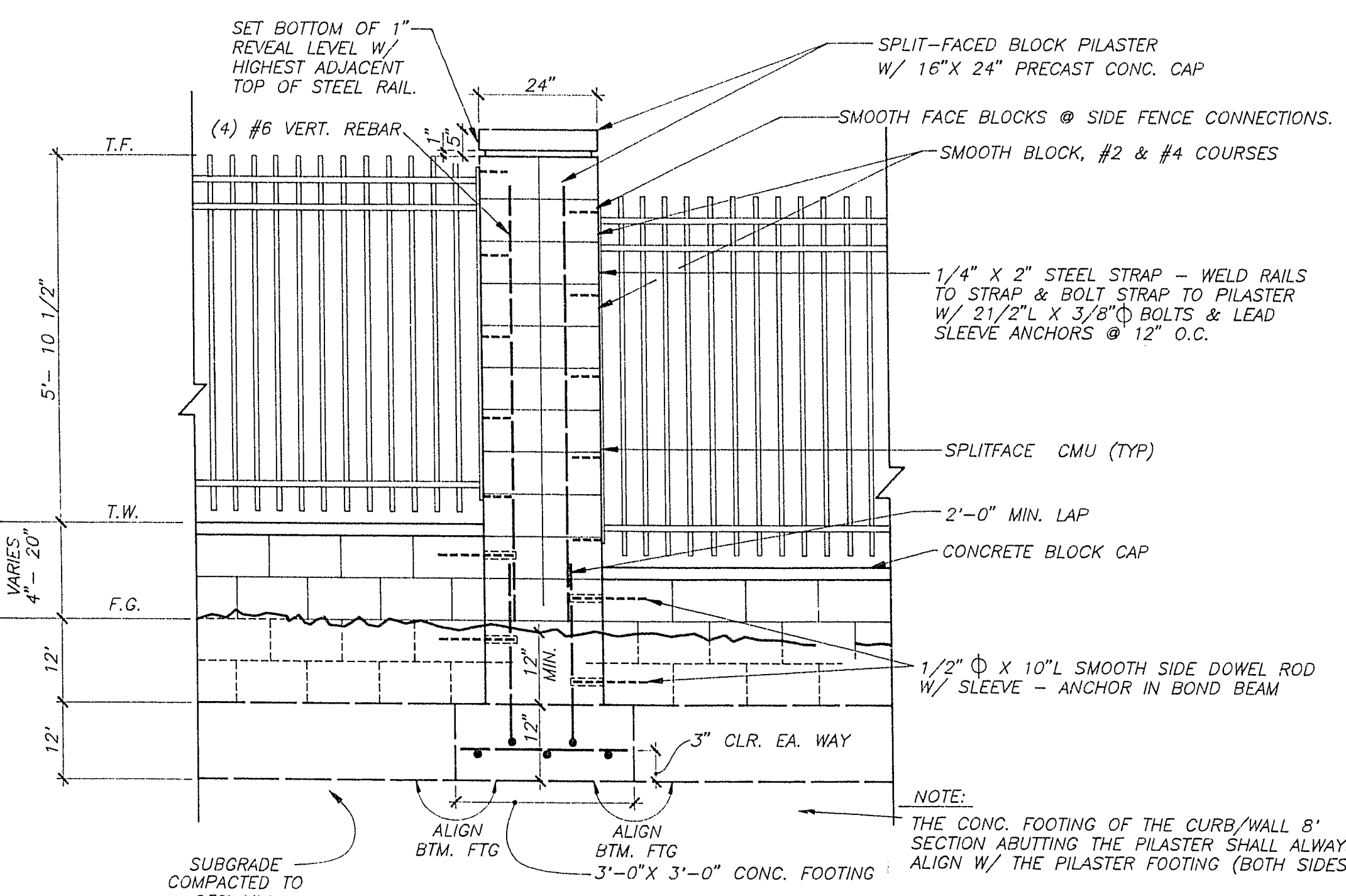
WALL REINFORCING AT STEP IN TOP OF WALL
SCALE: N.T.S.

3
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SECTION
SCALE: N.T.S.

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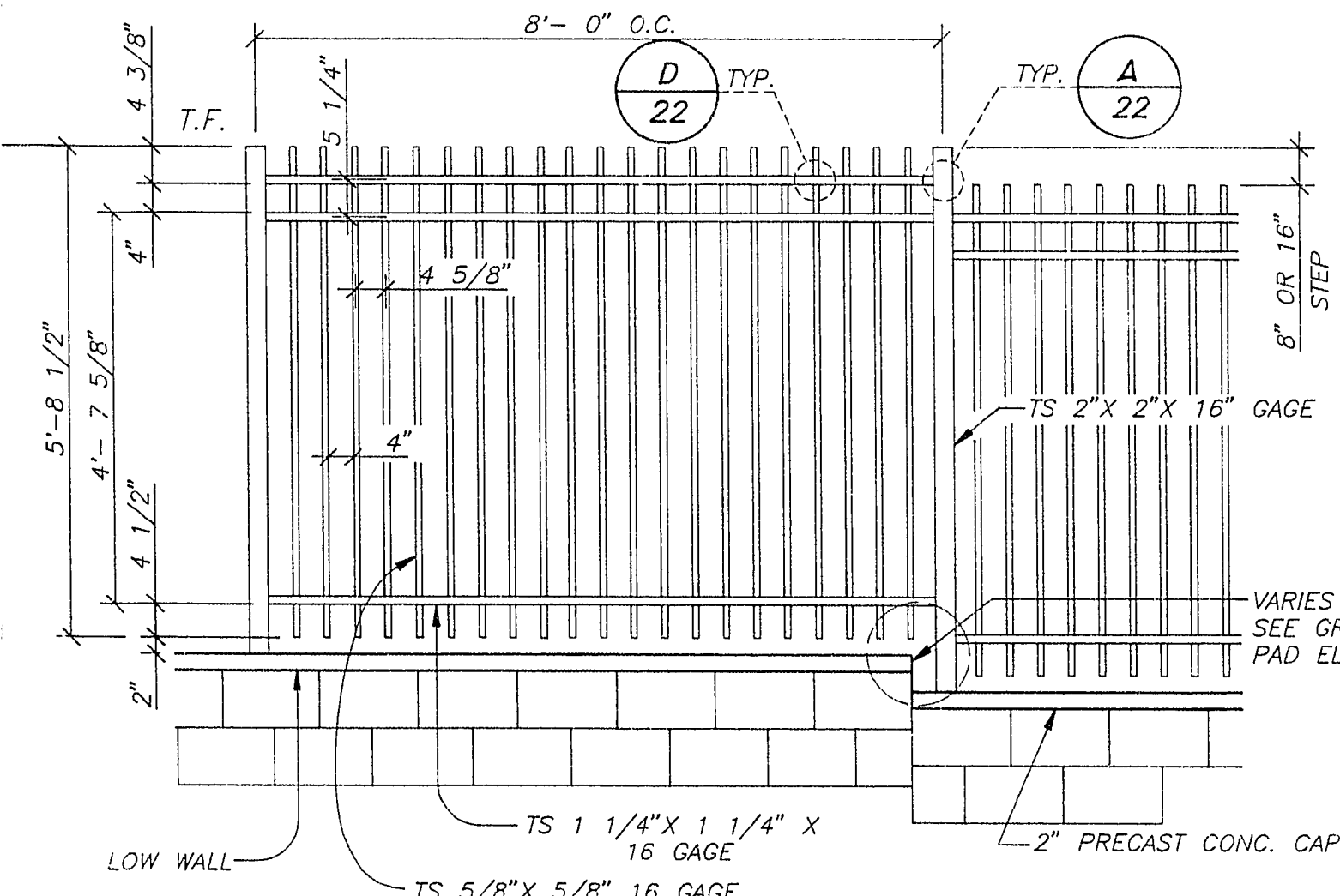


ELEVATION

PILASTER CONNECTION
SCALE: N.T.S.

NOTE: PILASTERS TO BE LOCATED AT ANGLE POINTS AND PROPERTY LINE INTERSECTIONS.

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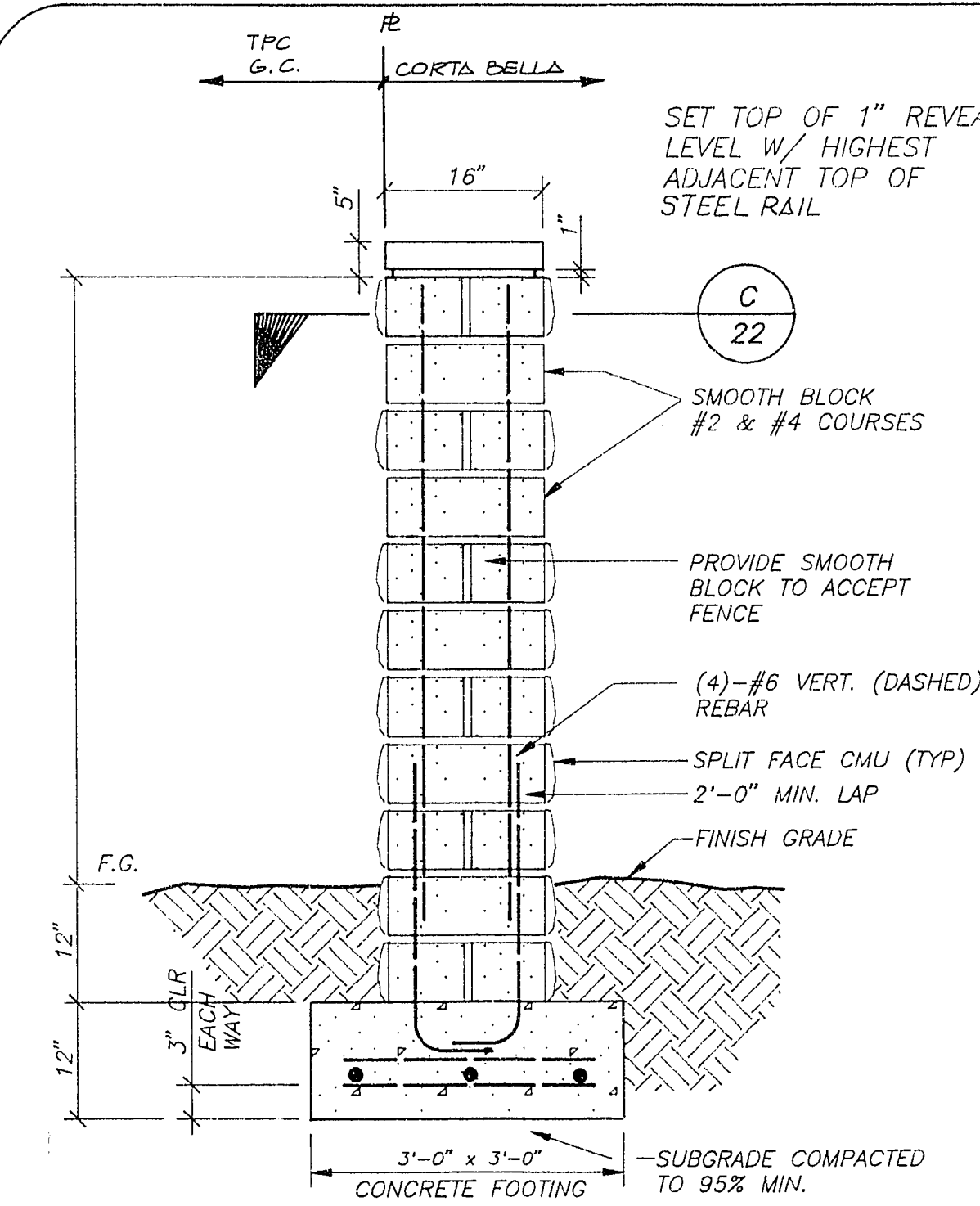
FENCE NOTES

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO DEVELOPER FOR REVIEW PRIOR TO FABRICATION.
2. FENCE SHALL BE STEPPED AT POSTS (TS 2" X 2" X 16 GAGE) ONLY AS SHOWN ON FENCE DETAIL.
3. FENCING IS SPACED AT 8'-0" ON CENTER. POST TYPICAL REFER TO PLANS FOR LAYOUT OF FENCING THAT VARIES FROM THIS TYPICAL DIMENSION.
4. MAINTAIN LEVEL RAILS AND VERTICAL POSTS AND PICKETS.

ELEVATION

VIEW FENCE DETAILS
SCALE: N.T.S.

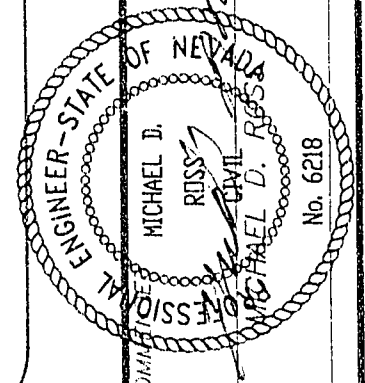
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SECTION

TYPICAL PILASTER DETAILS
SCALE: N.T.S.

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COLEMAN HOMES
CORTA BELLA AT SUMMERLIN
VIEW FENCE AND WALL DETAILS

SHEET

22

OF 24 SHEETS

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