

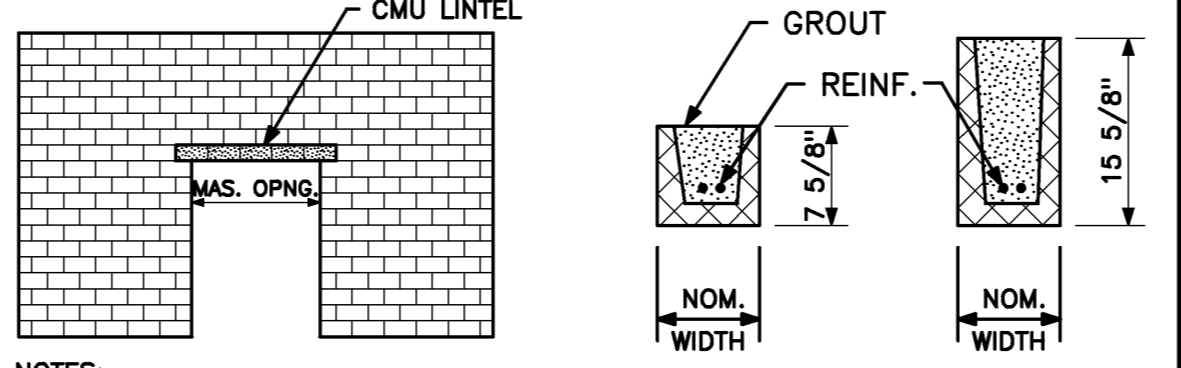
SECTION D3
3/4" = 1'-0" REF: S30.1

CONCRETE MASONRY LINTEL SCHEDULE		
MASONRY OPENING	SIZE	BEARING
4'-10" OR LESS	L4x3 1/2x5/16 (LLV)	8" MIN. ON SGMU
4'-10" TO 7'-0"	L5x3 1/2x5/16 (LLV)	8" MIN. ON SGMU
7'-0" TO 9'-0"	L6x3 1/2x3/8 (LLV)	8" MIN. ON SGMU

- NOTES:
 1. ONE ANGLE REQUIRED FOR EVERY 4" OF MASONRY.
 2. MULTIPLE ANGLES SHALL BE WELDED BACK TO BACK.
 3. "SGMU" INDICATES SOLID GROUTED MASONRY UNIT.

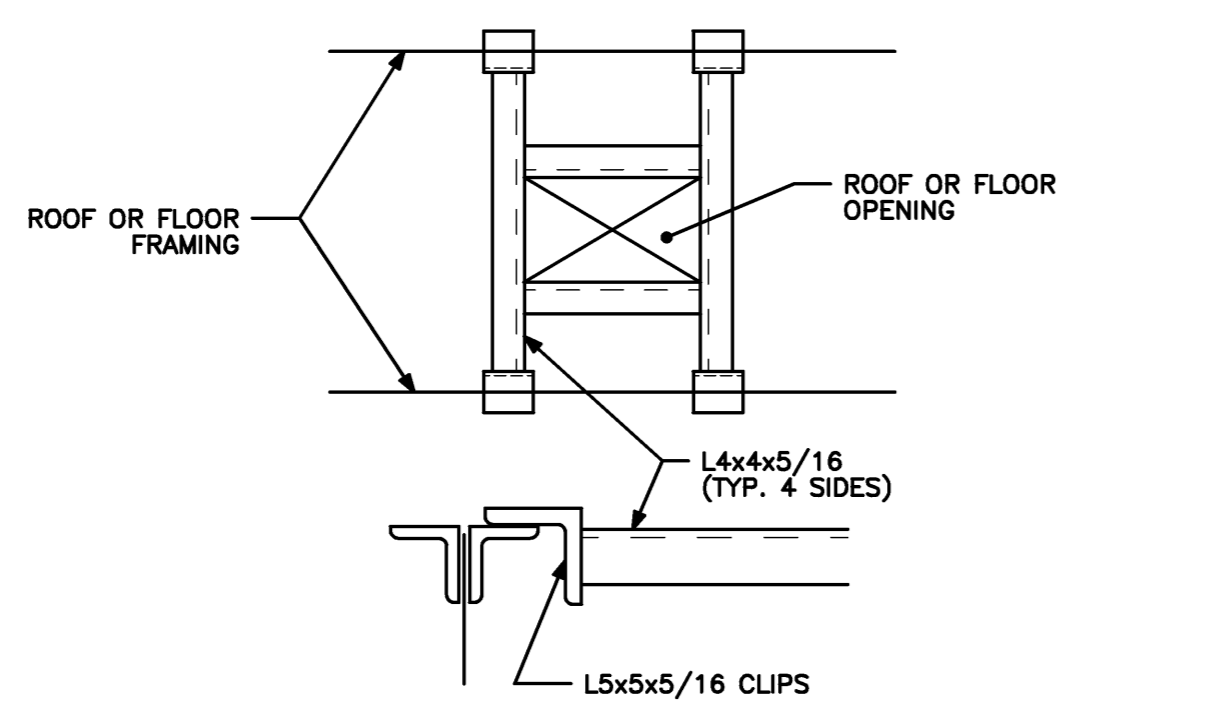
CONCRETE MASONRY LINTEL SCHEDULE

NOM. BLOCK WIDTH	NOM. BLOCK HEIGHT	REINFORCING	MASONRY OPENING
6"	8"	(1) #5	6'-0" OR LESS
8"	8"	(2) #5	7'-0" OR LESS
8"	16"	(2) #5	7'-0" TO 12'-10"
12"	8"	(2) #5	7'-0" OR LESS
12"	16"	(2) #5	7'-0" TO 12'-10"



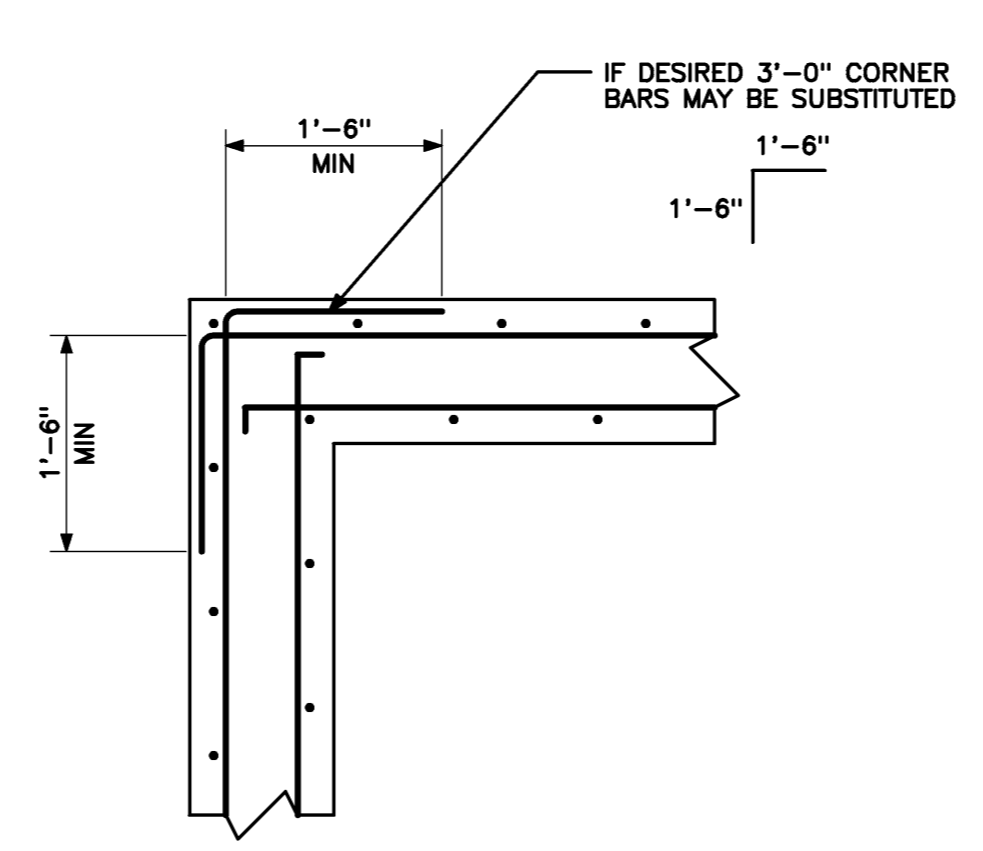
- NOTES:
 1. LINTEL SCHEDULE BASED ON F'm = 1,500 PSI
 2. LINTEL UNITS MUST BE SHORED (MIN 3 DAYS)
 3. MIN. BEARING AT EACH END = 8"
 4. USE OF MORTAR TO FILL LINTELS IS NOT PERMITTED.
 5. SEE ARCHITECTURAL DWGS. FOR ALL WALL OPENINGS.

STEEL LINTEL SCHEDULE C4
NO SCALE REF: S30.1

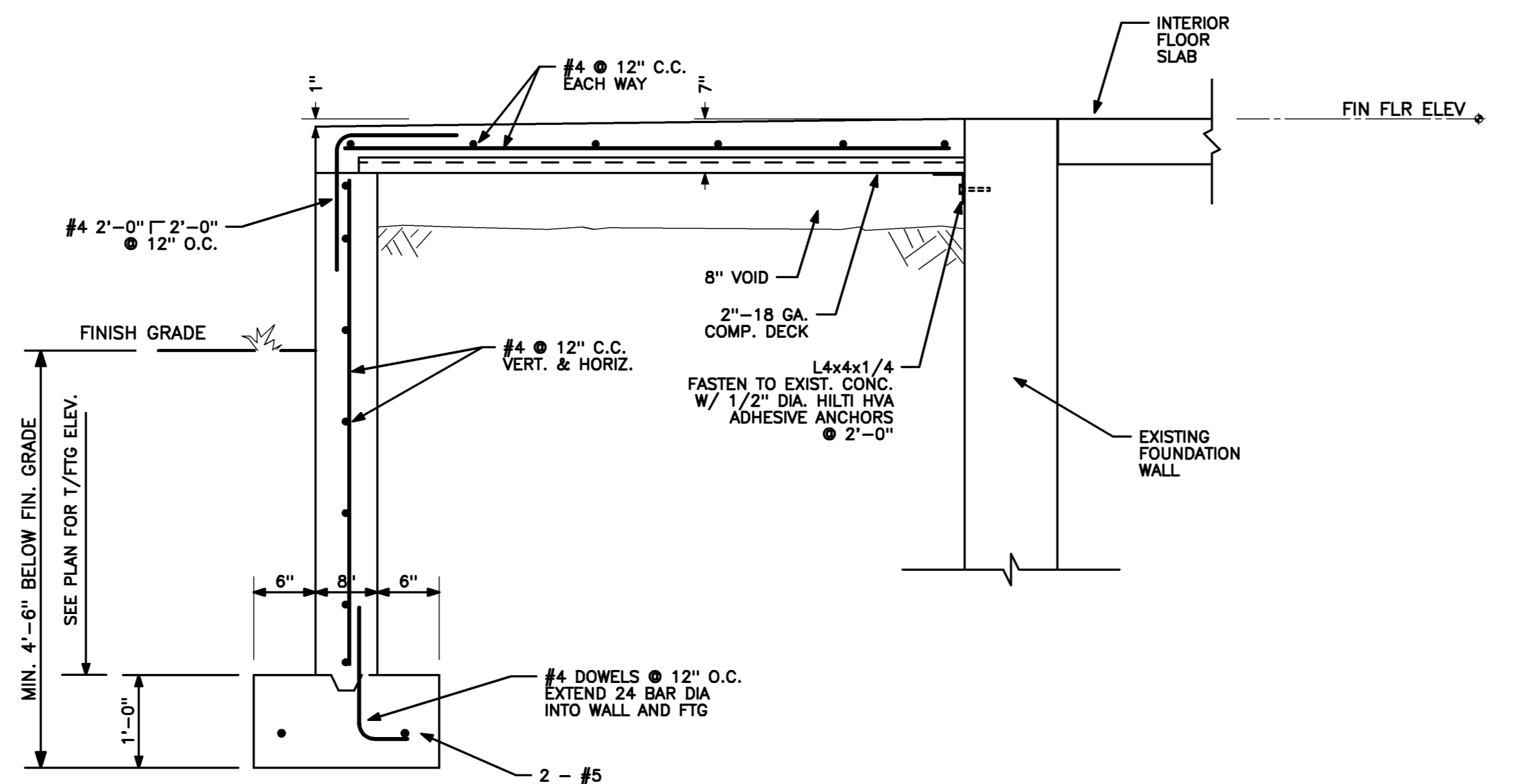


- NOTES:
 1. PROVIDE AT ALL OPENINGS LARGER THAN 12".
 2. FOR OPENINGS UP TO 6" - NO REINFORCING REQUIRED.
 3. FOR OPENINGS FROM 6" TO 12" - USE 24"x24" 16GA COVER PL SCREWED TO DECK W/ #10 TEK SCREWS AT 8" O.C. MAX ALL AROUND
 4. ALL FRAME CONNECTIONS TO BE WELDED
 5. COORDINATE SIZE AND LOCATION OF ALL OPENINGS WITH M,E,&P TRADES

CONCRETE MASONRY LINTEL SCHEDULE C3
NO SCALE REF: S30.1



TYPICAL FRAME AT ROOF B4
NO SCALE REF: S30.1



SECTION A3
3/4" = 1'-0" REF: S30.1

TYPICAL CORNER REINFORCING DETAIL B3
NO SCALE REF: S30.1

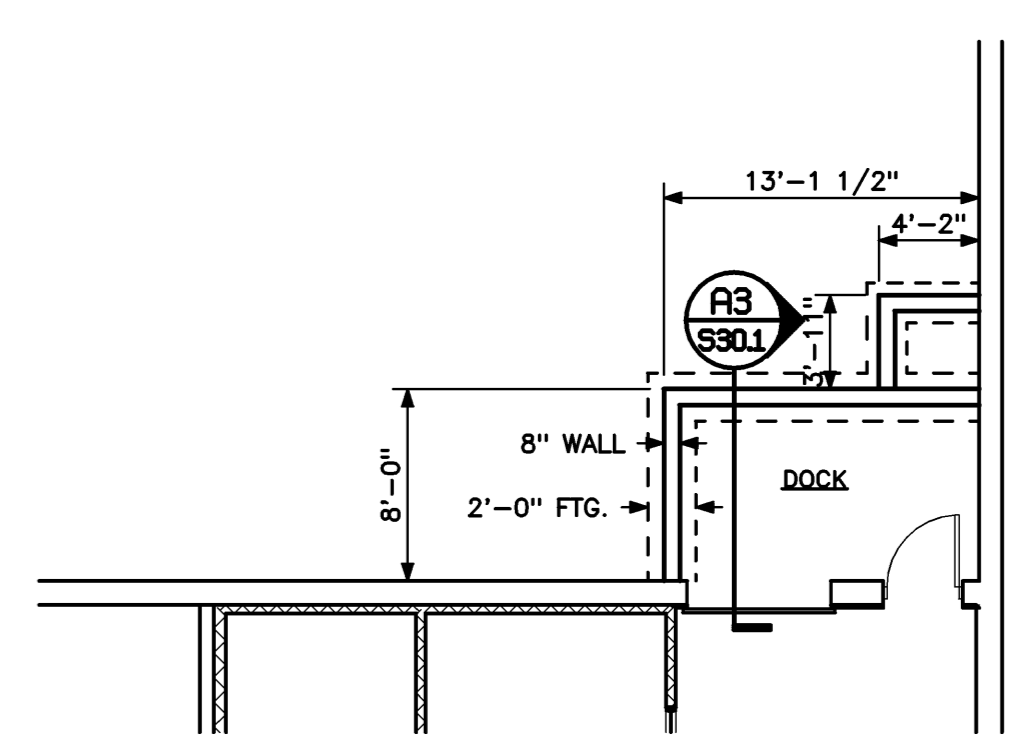
- SOIL BEARING**
 1. WALL AND COLUMN FOOTINGS DESIGNED FOR AN ASSUMED SOIL BEARING OF 3000 PSF.
 2. IF ADEQUATE SOIL BEARING IS NOT ENCOUNTERED AT THE INDICATED BOTTOM OF FOOTING LOCATION, CONTRACTOR IS TO REPORT TO THE ARCHITECT BEFORE PROCEEDING WITH THAT PART OF THE WORK.
 3. ALL EXCAVATIONS FOR THE FOUNDATION SHALL BE APPROVED BY THE ARCHITECT BEFORE PLACING ANY CONCRETE FOOTING.

- CONCRETE**
 1. STRENGTH OF CONCRETE AT 28 DAYS TO BE 3000 PSI, EXCEPT FOR: SLABS, BEAMS AND COLUMNS TO BE 3000 PSI AND EXTERIOR SLABS TO BE 4000 PSI.
 2. ALL EXTERIOR FOOTINGS TO BE MIN. 4'-6" BELOW FINISH GRADE.
 3. TOP OF ALL FOOTINGS TO BE MIN. 7" BELOW BOTTOM OF FLOOR SLAB UNLESS INDICATED OTHERWISE.

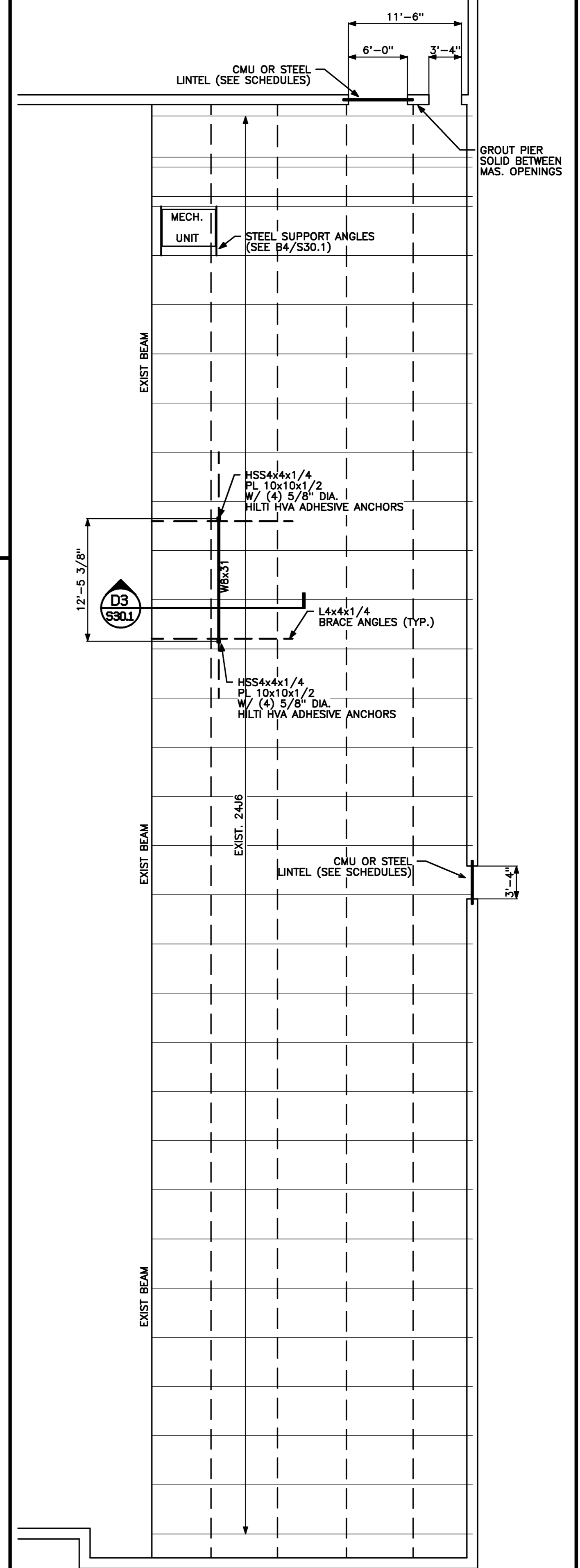
4. BOTTOM OF ALL FOOTINGS TO BE ON ADEQUATE SOIL BEARING.
 5. ALL SLABS ON FILL TO BE 5" THICK UNLESS SHOWN OTHERWISE.
 6. SLABS AND BEAMS UNDER CONCRETE WALLS SHALL BE ADEQUATELY SHORED UNTIL WALLS ARE SET.
 7. IF BASEMENT AND FIRST FLOOR SLABS ARE NOT POURED BEFORE BACKFILLING, FOUNDATION WALLS TO BE ADEQUATELY BRACED BEFORE BACKFILLING AND UNTIL ABOVE SLABS ARE PLACED AND SET.
 8. SEE SPECIFICATIONS FOR SPECIAL REQUIREMENTS FOR ARCHITECTURAL EXPOSED CONCRETE ANCHORING OF MASONRY TO CONCRETE WALLS AND COLUMNS AND CHAMFER OF EXTERNAL CORNERS OF CONCRETE BEAMS, GIRDERS, COLUMNS, ETC.
 9. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR SIZE AND LOCATION OF DOOR FRAMES, THRESHOLDS, ETC., AND CONCRETE PADS, PIERS, PIPE SLEEVES, ETC.
 10. ALL WOOD NAILERS ON CONCRETE OR MASONRY, TO BE ANCHORED WITH 1/2" DIA. ANCHOR BOLTS SPACED AT 2'-8" O.C., AND EXTENDED 1'-0" INTO CONCRETE OR MASONRY.
 11. CONCRETE FILL FOR BEAM LINTEL BLOCKS, BOND BEAMS AND CONCRETE BLOCKS USED AS SOLID MASONRY UNITS TO BE CONCRETE TESTING 3,000 PSI AT 28 DAYS.

- CONCRETE REINFORCING**
 1. ALL REINFORCING STEEL TO BE ASTM-A615 GRADE 60, DETAILED AND FABRICATED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE" (ACI-318-LATEST).
 2. REINFORCEMENT TO HAVE MIN. CONCRETE COVER AS FOLLOWS:
 A. CONCRETE DEPOSITED AGAINST GROUND, INCLUDING FOOTINGS-----3"
 B. CONCRETE EXPOSED TO EARTH OR WEATHER, INCLUDING WALLS, PIERS, WALLS, COLUMNS AND EXTERIOR SLABS-----2"
 C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND-----1-1/2"
 I. SLABS, WALLS AND JOISTS-----3/4"
 II. BEAMS AND COLUMNS, TIES, STIRRUPS, REINFORCEMENT-----1-1/2"
 3. PROVIDE ADEQUATE KEYS AND DOWELS AT ALL WALL INTERSECTIONS AND CONSTRUCTION JOINTS.
 4. LAP ALL REINFORCEMENT 36 BAR DIAMETERS @ SPLICES, AND 12" MIN. AT CORNERS UNLESS SHOWN OTHERWISE.
 5. AT ALL OPENINGS IN STRUCTURAL SLABS, PROVIDE ONE HALF THE NUMBER OF INTERRUPTED BARS PLACED ON EACH SIDE OF THE OPENING AND STAGGERED WITH OTHER SLAB BARS. PROVIDE #4 X 5'-0" LONG DIAGONAL BAR TOP AND BOTTOM AT EACH CORNER OF OPENING, UNLESS OTHERWISE SHOWN.
 6. PROVIDE DOWELS IN WALLS AND COLUMN FOOTINGS EQUIVALENT IN SIZE AND NUMBER TO VERTICAL STEEL EXTENDING 24 BAR DIA. INTO FOOTING AND INTO WALL OR COLUMN UNLESS SHOWN OTHERWISE. LOWER END OF DOWELS SHALL HAVE 90° BEND WITH 4" MIN. HORIZONTAL DIMENSION AND ALL DOWELS SHALL BE SET IN PLACE BEFORE CONCRETE IS PLACED.
 7. DISCONTINUOUS ENDS OF ALL TOP REINFORCING BARS TO BE HOOKED.
 8. ALL CONCRETE WALLS ON LEDGE TO HAVE #8 DOWELS X 3'-0" LONG, GROUTED 1'-6" INTO LEDGE AND SPACED @ 3'-0" + o.c.
 9. ALL CONCRETE PIERS ON LEDGE TO HAVE 2 - #8 DOWELS X 3'-0" LONG, GROUTED 1'-6" INTO LEDGE.
 10. ALL 4" THICK CONCRETE SLABS ON FILL TO BE REINFORCED WITH FIBER REINFORCING, UNLESS SHOWN OTHERWISE.
 11. ALL CONCRETE SLABS, PADS, BEAMS AND PIERS SHALL HAVE REINFORCEMENT THAT WILL HAVE A MIN. RATIO OF REINFORCEMENT AREA TO GROSS CONCRETE AREA OF 0.0033

GENERAL FOUNDATION NOTES A2
NO SCALE REF: NA



FOUNDATION PLAN D1
1/8" = 1'-0" REF: NA



FRAMING PLAN A1
1/8" = 1'-0" REF: NA

Project Title
WESTGATE SHOPPING CENTER SHAW'S MAINTENANCE
 PORTLAND, ME

HA Project No. **07182**
 Key Plan

- NOTES:
 1. WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A992 (Fy = 50 KSI)
 2. HSS TUBING SHALL COMPLY WITH ASTM A500 - GR. B (Fy = 48 KSI)
 3. GC TO VERIFY LOCATION OF ALL EXISTING FRAMING PRIOR TO STEEL FABRICATION.
 4. GC TO VERIFY ALL EXISTING DIMENSIONS AND TO REPORT ANY DISCREPANCIES.

Mark	Date	Description
05-16-08		ISSUED FOR BID

Drawing Status

Drawing Title
FRAMING AND FOUNDATION PLANS AND DETAILS

PA / PE: **BKB** Drawn By: **BMB**
 Drawing Number

S30.1