

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE BUILDING CODE OF THE COUNTY OF KAUAI (LATEST).
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS.
3. THE GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY UNLESS OTHERWISE SHOWN.
4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
5. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW BY THE ENGINEER.

6. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE START OF THE JOB AND NOTIFY ALL DISCREPANCIES TO THE ARCHITECT.

7. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.

8. DURING THE CONSTRUCTION PERIOD THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING AND THE PROTECTION OF ADJACENT PROPERTIES, STRUCTURES, STREETS AND UTILITIES FROM DAMAGE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING AND GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY STANDARDS. ANY DEVIATION MUST BE APPROVED BY OSHA.

9. ALL ERECTION PROCEDURES SHALL CONFORM TO OSHA STANDARDS. ANY DEVIATION MUST BE APPROVED BY OSHA.

10. THE CONTRACTOR SHALL NOTIFY TANIMURA & ASSOCIATES (PH. 536-7692) TWO (2) WORKING DAYS PRIOR TO BEGINNING ANY WORK WHICH WILL CONCEAL STRUCTURAL ELEMENT SUCH AS POURING CONCRETE (CONCEALING REINFORCING) OR SHEATHING WALLS (CONCEALING HOLD DOWN ANCHORS).

CONCRETE MASONRY - CMU

1. CONCRETE BLOCK SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI.

2. MORTAR SHALL BE OF TYPE 'M' WITH ONE OF THE FOLLOWING, PREPARED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S

- 2 SACKS PORTLAND CEMENT
- 1 7-POUND BAG 'EASY SPREAD' BY AMERICAN COLLOID CO.
- 8 CUBIC FEET MORTAR AGGREGATE

- 1 SACK PORTLAND CEMENT
- 3 OUNCES 'MRF' BY GIBCO
- 2-3/4 CUBIC FEET MORTAR AGGREGATE

3. GROUT, CONFORMING TO ASTM C476-83, MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. MIX: 1 PART CEMENT, 3 PARTS SAND, 2 PARTS PEA GRAVEL, TO BE OF FLUID CONSISTENCY (9' MINIMUM SLUMP).

4. THE THICKNESS OF GROUT BETWEEN BLOCK UNITS AND REINFORCING STEEL SHALL BE NOT LESS THAN 1/2" BETWEEN PARALLEL REINFORCING BARS, NOT LESS THAN 3/4".

5. IF WORK IS STOPPED ONE (1) HOUR OR LONGER, PROVIDE HORIZONTAL CONSTRUCTION JOINTS BY STOPPING THE GROUT 1-1/2" BELOW THE TOP OF THE BLOCK.

6. ALL CELLS SHALL BE GROUTED SOLID. GROUT IN LIFTS NOT TO EXCEED 5'-0".

7. GROUT SHALL BE VIBRATED 3 TO 5 MINUTES AFTER POUR.

8. UNLESS NOTED OTHERWISE ALL WALLS SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND.

9. CONTRACTOR SHALL HIRE TESTING COMPANY AS REQUIRED TO TEST GROUT STRENGTH FOR PURPOSES OF REMOVING TEMPORARY SHORING

REINFORCING FOR CONCRETE MASONRY

1. ALL REINFORCING STEEL BARS (EXCEPT STIRRUPS AND TIES) SHALL CONFORM TO ASTM A615 GRADE 60. STIRRUPS AND TIES SHALL CONFORM TO ASTM A615 GRADE 40.

2. UNLESS OTHERWISE NOTED, SPLICES, LAPS, DOWEL EXTENSIONS AND EMBEDMENTS SHALL BE 45 BAR DIAMETERS, BUT NOT LESS THAN 2'-0".

3. AT ALL LINTELS, EXTEND HORIZONTAL BOTTOM REINFORCING 24" BEYOND OPENINGS. PROVIDE 2 - #5 BOTTOM BARS MINIMUM IN ALL LINTELS.

4. WHEREVER POSSIBLE, BOND BEAMS OF INTERSECTING WALLS SHALL BE CONSTRUCTED AT THE SAME ELEVATION. WHERE BOND BEAMS OF INTERSECTING WALLS DO NOT MATCH, BOND BEAM REINFORCING SHALL BE EMBEDDED INTO THE INTERSECTING WALL A MINIMUM OF 45 BAR DIAMETERS AND GROUTED.

DESIGN CRITERIA

1. CODES: 2006 INTERNATIONAL BUILDING CODE

2. FOUNDATION DESIGN CRITERIA
ALLOWABLE BEARING 5000 PSF

3. LATERAL FORCES

SEISMIC	
SEISMIC IMPORTANCE FACTOR	1.0
SEISMIC USE GROUP	II
MAPPED SPECTRAL RESPONSE	
Ss	0.243
Si	0.061
SITE CLASS	D
Sds	0.259
SD1	0.101
SEISMIC DESIGN CATEGORY	B

WIND

BASIC WIND SPEED (3 SECOND GUST)	105 MPH
WIND IMPORTANCE FACTOR Iw	1.0
WIND EXPOSURE	B
WIND DIRECTIONALITY FACTOR Kd	0.65
WIND TOPOGRAPHY FACTOR Kzt	0.9

4. LIVE LOADS

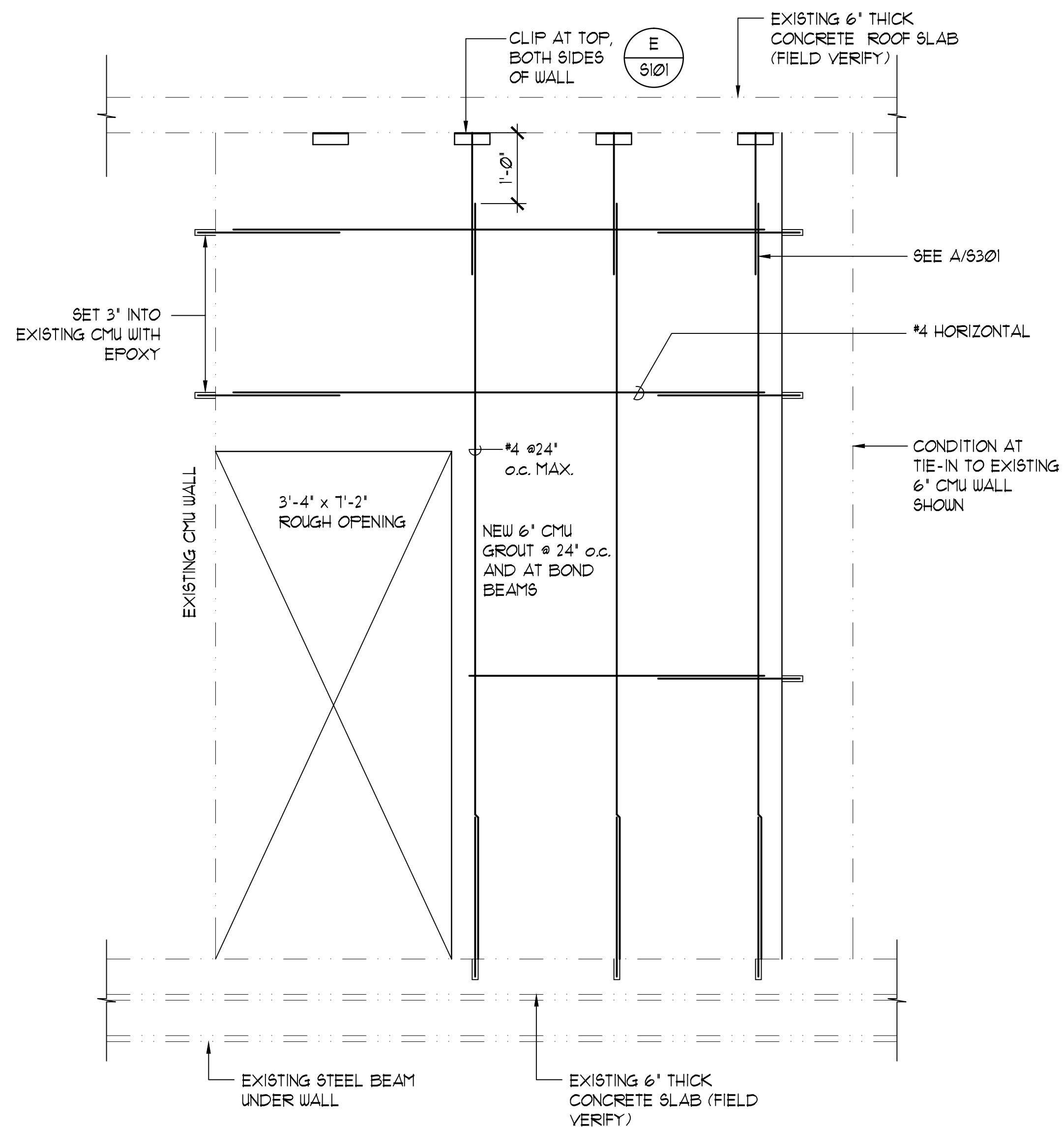
OFFICE	50 PSF
ROOF	20 PSF

SPECIAL INSPECTION

1. ITEMS REQUIRING SPECIAL INSPECTION:
REINFORCING STEEL
MASONRY (2006 IBC TABLE 1704.5.1)
EPOXY DOWELS (CONTINUOUS)

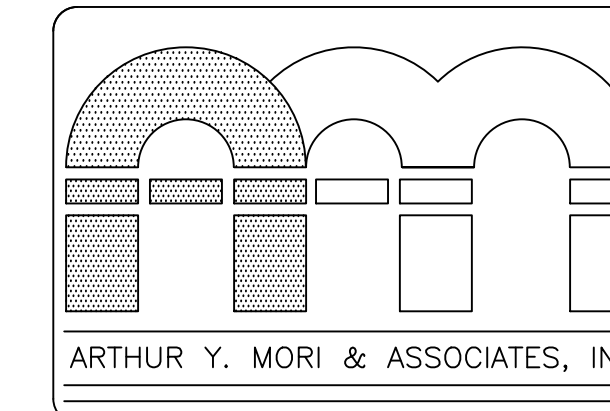
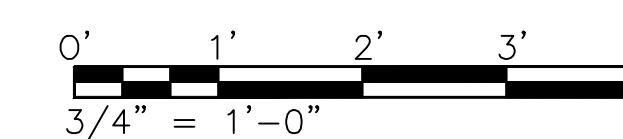
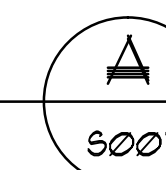
2. NOTIFY SPECIAL INSPECTOR 4 WORKING DAYS PRIOR TO NEED OF INSPECTION SERVICES.

3. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SPECIAL INSPECTION REQUIREMENTS INCLUDING THE IDENTITY AND CONTACT INFORMATION OF THE SPECIAL INSPECTOR RESPONSIBLE FOR EACH REQUIREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR IN A TIMELY MANNER IF SPECIAL INSPECTIONS ARE NOT DONE THE CERTIFICATE OF OCCUPANCY MAY NOT BE ISSUED BY THE COUNTY.



NEW 6" CMU WALL WITH LINTEL ELEVATION

SC: 3/4" = 1'-0"



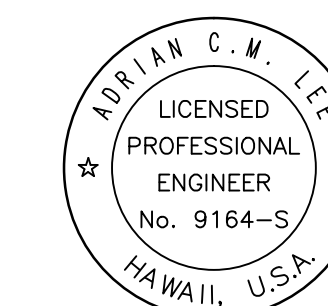
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1314 SOUTH KING / SUITE 955
HONOLULU, HAWAII 96814

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MAHELONA MEDICAL CENTER
4800 KAWAIHAU ROAD
KAPAA, HI 96746

TMK: 4-6-014-030

PERMIT SET

SHEET TITLE
GENERAL NOTES AND DETAIL



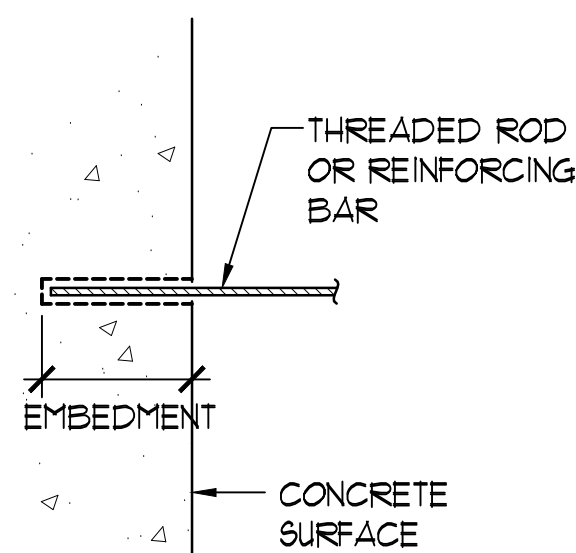
LICENSE EXPIRE: 4/30/20

This work was prepared by me or under my supervision and construction of this project will be under my observation (observation of construction as defined in Section 16-115 of the Hawaii Administrative Rules, Department of Commerce and Consumer Affairs entitled: Professional Engineers, Architects and Surveyors of the State of Hawaii).

Adrian Lee
SIGNATURE

NOTE:
Contractor to check and verify all dimensions at job before proceeding with work.

NO.	REVISION
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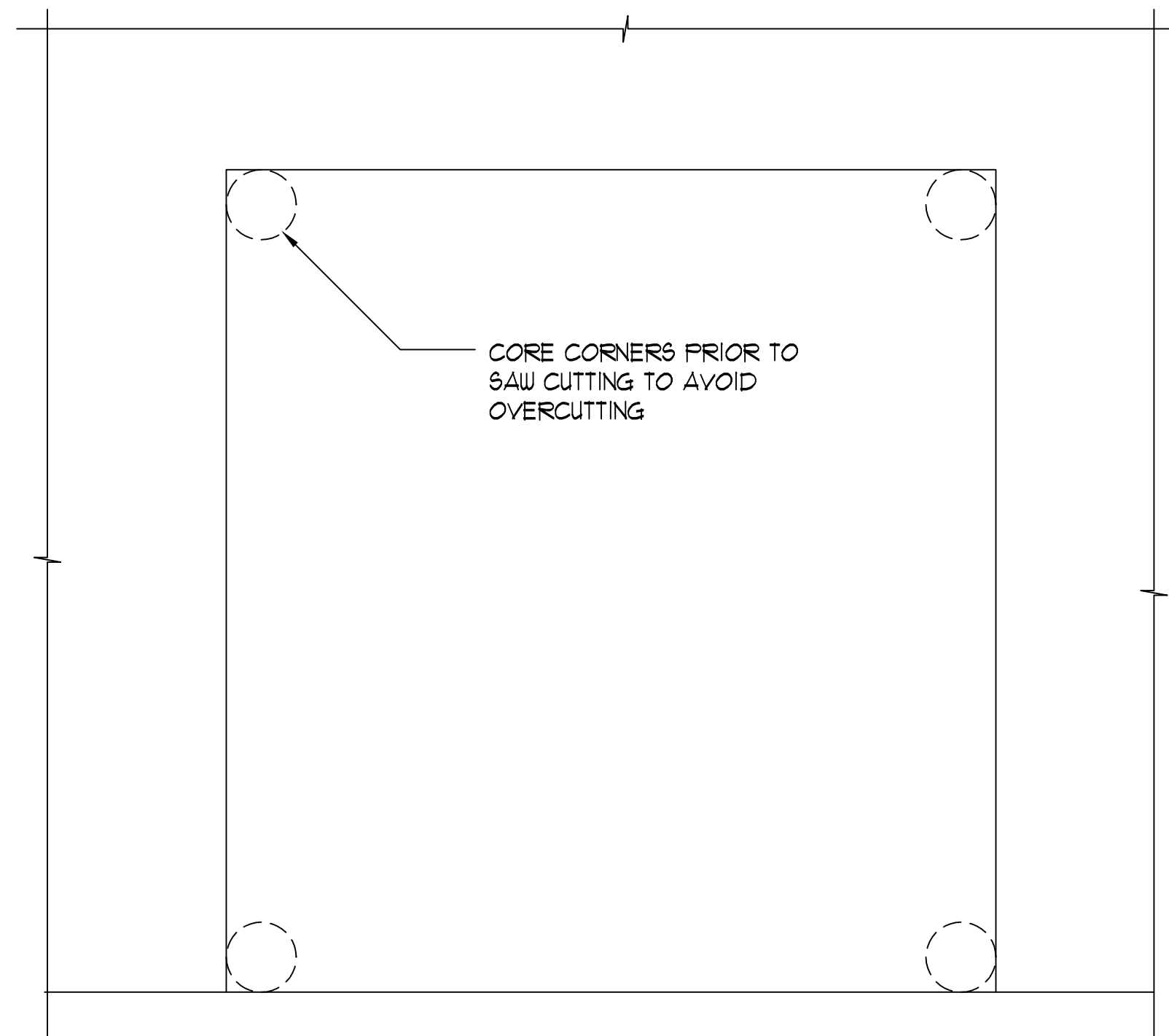
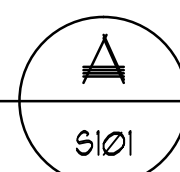


THREADED ROD (REBAR)	DRILL BIT DIAMETER	MINIMUM EMBEDMENT
1/2" (#4)	5/8"	4"
5/8" (#5)	3/4"	6"
3/4" (#6)	7/8"	7"
7/8" (#7)	1"	8"

- NOTES:
- PRE APPROVAL FOR SIMPSON STRONG TIE SET-XP EPOXY TIE ADHESIVE. ALL SUBSTITUTION REQUEST SHALL BE SUBMITTED WITH CURRENT ICC-ES REPORT TO ENGINEER FOR REVIEW AND APPROVAL.
 - ALL THREAD ROD SHALL BE CARBON STEEL CONFORMING TO ASTM F1554, GRADE 36 HOT DIP GALVANIZED. REINFORCING BAR SHALL BE ASTM A615 GRADE 60.
 - PRE DRILL HOLE WITH DRILL BIT COMPLYING WITH ANSI B212.15-1994.
 - CLEAN HOLE WITH OIL FREE COMPRESSED AIR (80 PSI MINIMUM) AND NYLON BRUSH.
 - FILL HOLE HALF TO TWO THIRDS FULL WITH ADHESIVE STARTING FROM BOTTOM, THEN INSERT ANCHOR TO BOTTOM OF HOLE AND TWIST CLOCKWISE TO ENSURE ADHESIVE COVERS THE ANCHOR SURFACE. ADHESIVE MUST BE LEVEL WITH CONCRETE SURFACE AFTER INSERTION OF ANCHOR.
 - ANCHOR INSTALLATION REQUIRES SPECIAL INSPECTION.

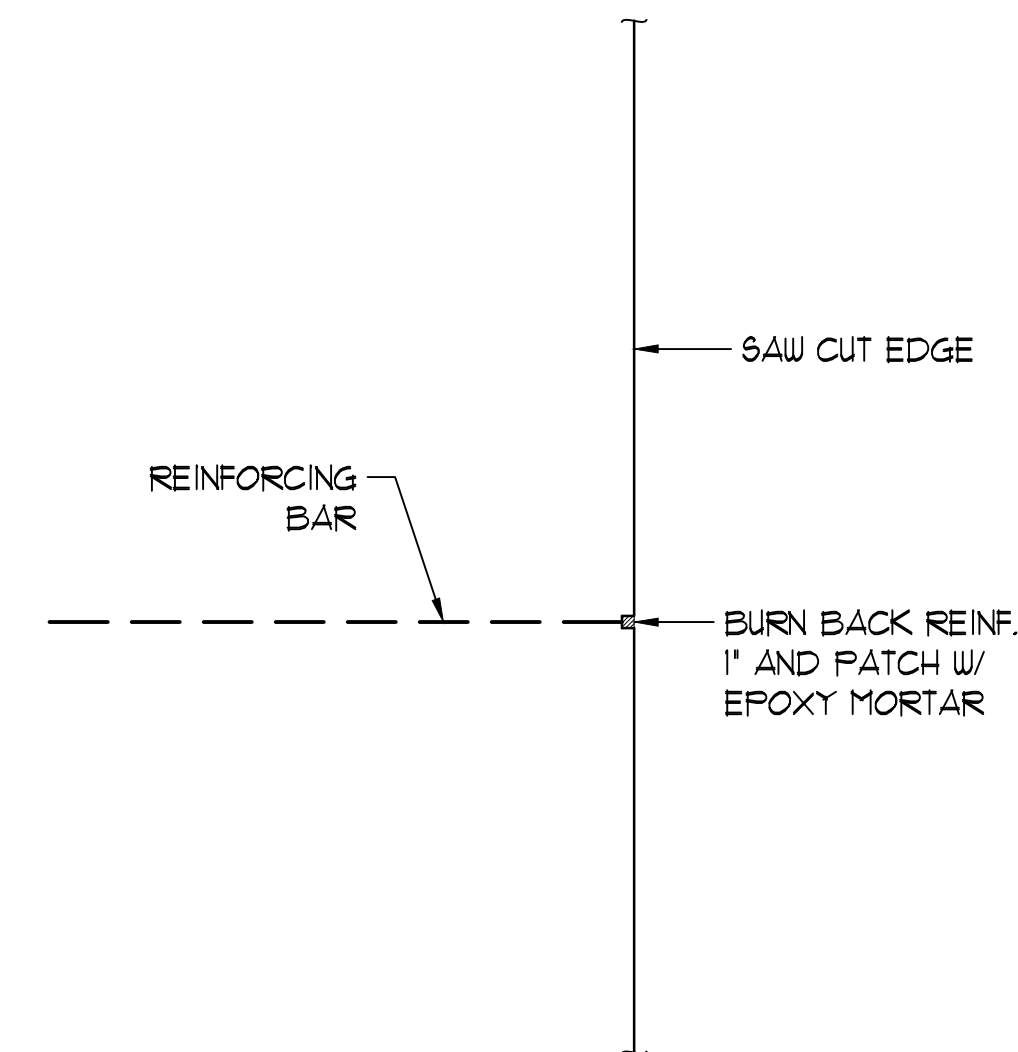
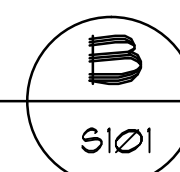
EPOXY ANCHOR DETAIL

NO SCALE



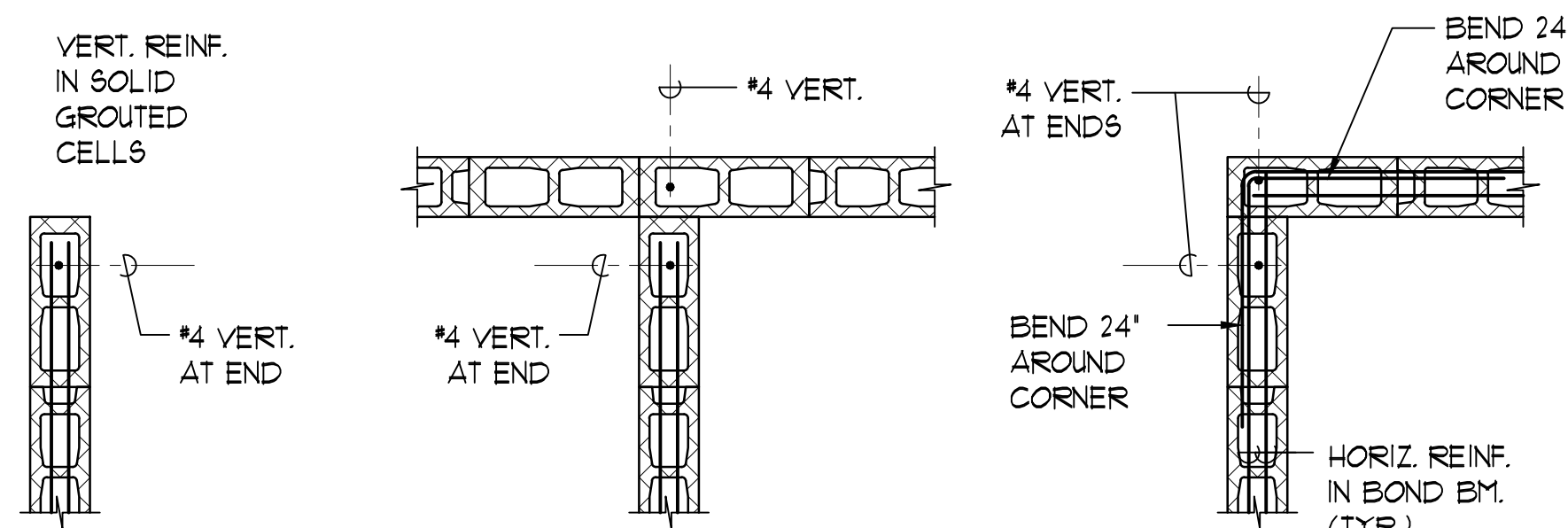
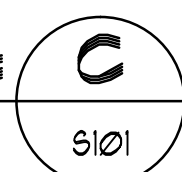
SAW-CUT OPENING DETAIL

NO SCALE



DETAIL PATCH AT SAWCUT REINFORCING

NO SCALE



COND. AT END

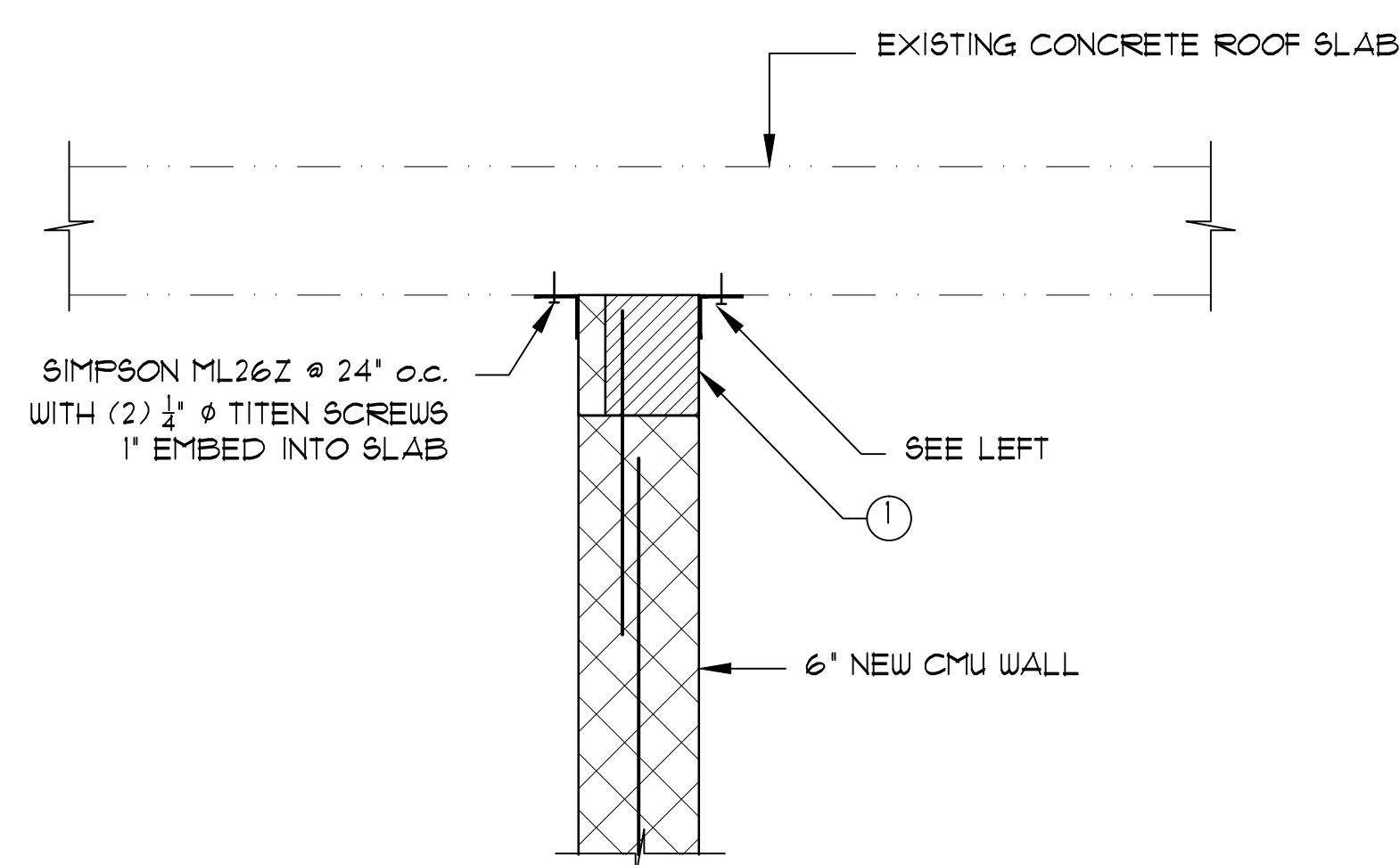
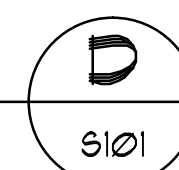
COND. AT INTERSECTION

COND. AT CORNER

- NOTES:
- PROVIDE BOND BEAM REINFORCING AT TOP OF WALLS #4 AT 4'-0" o.c. MAX.
 - AT INTERSECTING WALL, ALTERNATE DIRECTION OF HOOK.

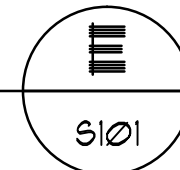
TYP. CMU WALL HORIZ. REINFORCING DET.

SC: 3/4" = 1'-0"

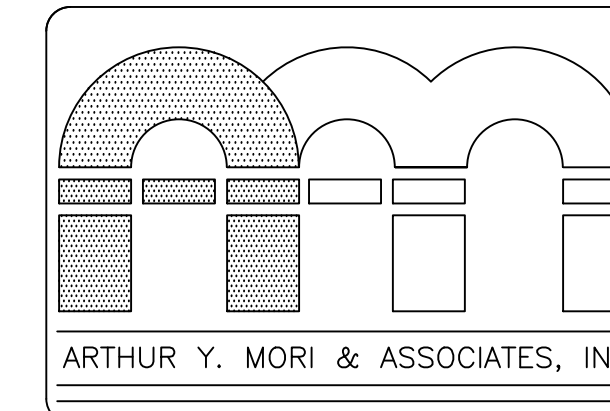


TOP OF NEW CMU WALL CONNECTION

SC: 1-1/2" = 1'-0"



- ① BREAK SIDE SHELL AT REBAR TO INSTALL TOP BLOCK. GROUT CELLS UP TOT ONE COURSE BELOW TOP. DRY PACK TOP COURSE.



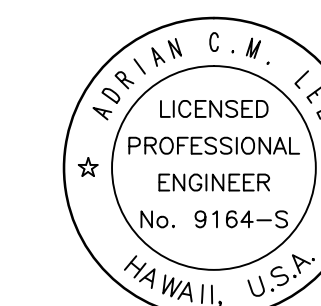
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KAPAA, HI 96746

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TYPICAL DETAILS

TMK: 4-6-014-030



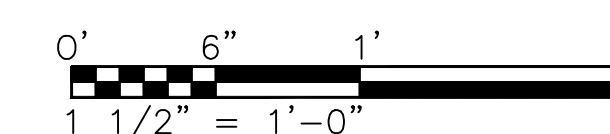
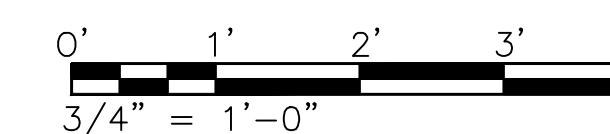
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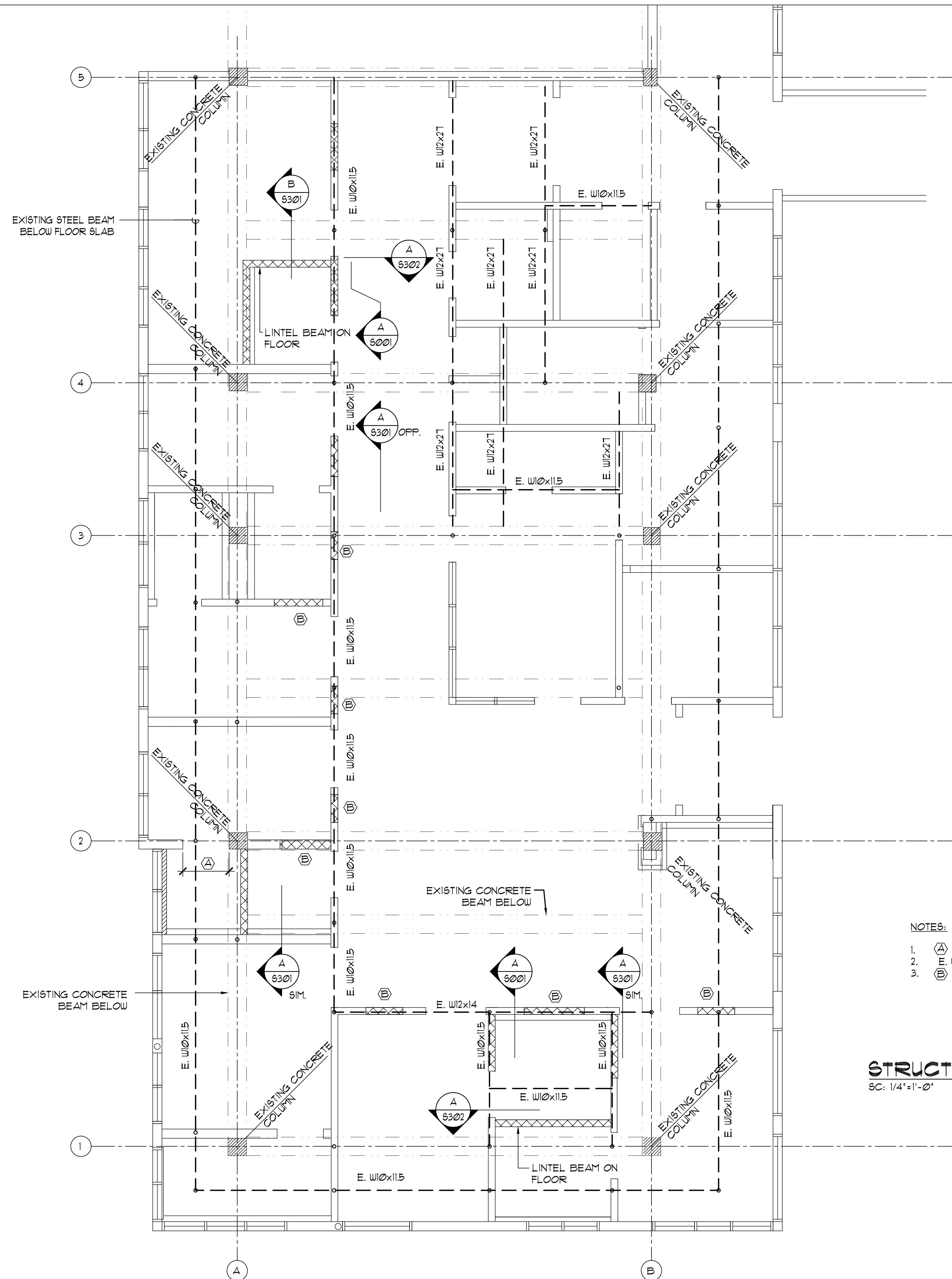
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DATE MARCH 28, 2018

12 OF 30 SHTS

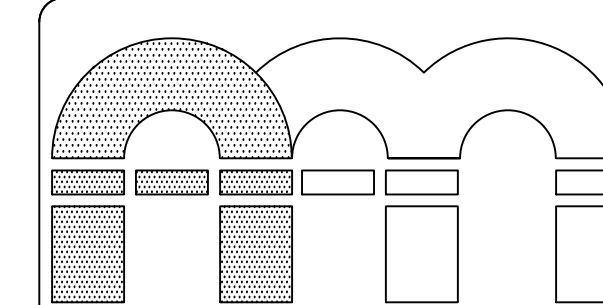
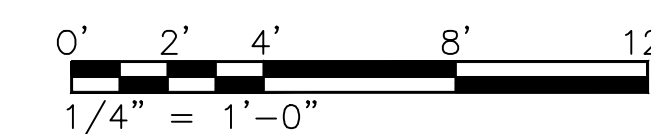


NOTES:

1. (A) INDICATES NEW OPENING IN EXISTING CONCRETE WALL, SEE DETAILS B/S101, C/S101
2. E. W10x11.5, E. W12x27 INDICATES EXISTING STEEL BEAM BELOW SLAB
3. (B) SEE ARCHITECTURAL DRAWING 1/A4.0 FOR CMU INFILL DETAIL

STRUCTURAL FLOOR PLAN

SC: 1/4"=1'-0"



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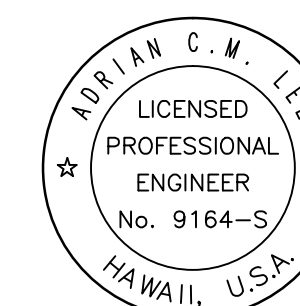
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STRUCTURAL FLOOR PLAN



LICENSE EXPIRE: 4/30/20

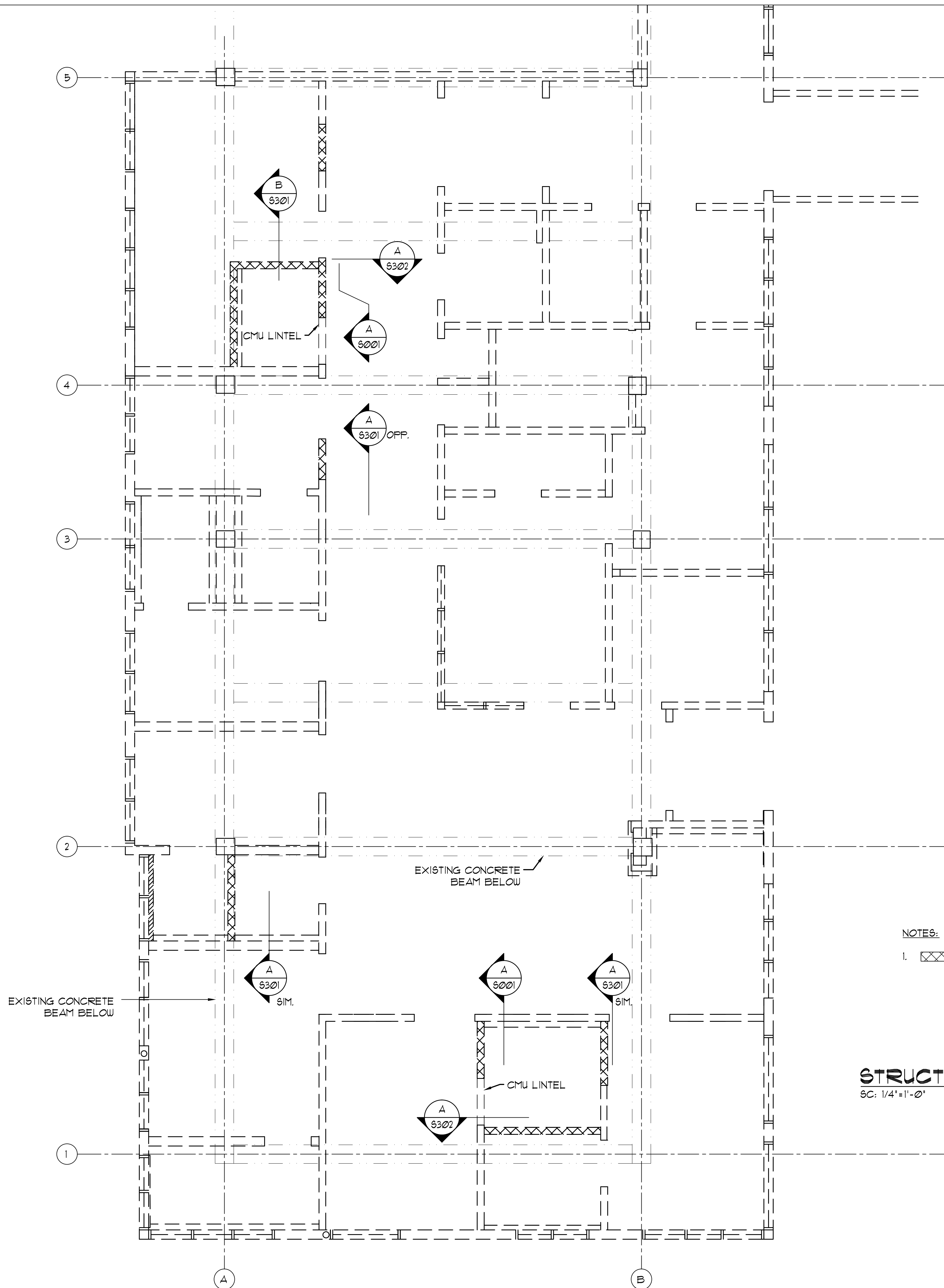
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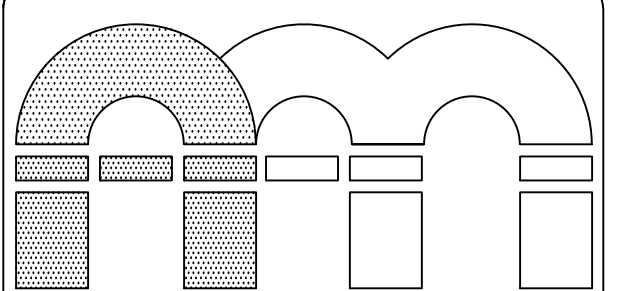
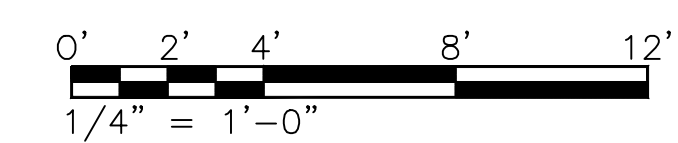
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13 OF 30 SHTS



NOTES:

- 1. INDICATES NEW 6" CMU BELOW

STRUCTURAL ROOF PLAN
 SC: 1/4"=1'-0"



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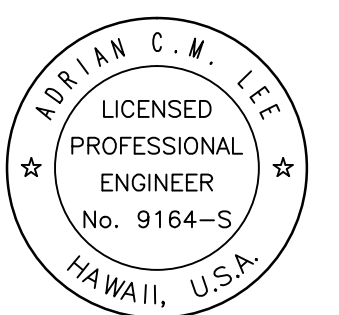
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 STRUCTURAL ROOF PLAN



LICENSE EXPIRE: 4/30/20

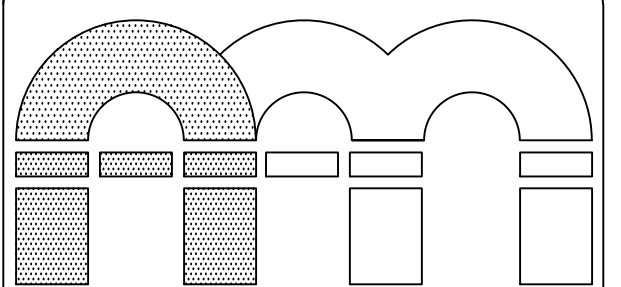
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Adrian Lee
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 14 OF 30 SHTS



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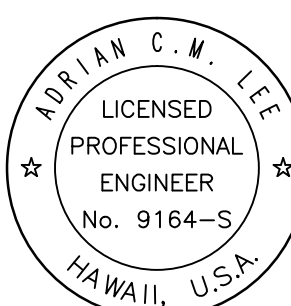
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SHEET TITLE
DETAILS



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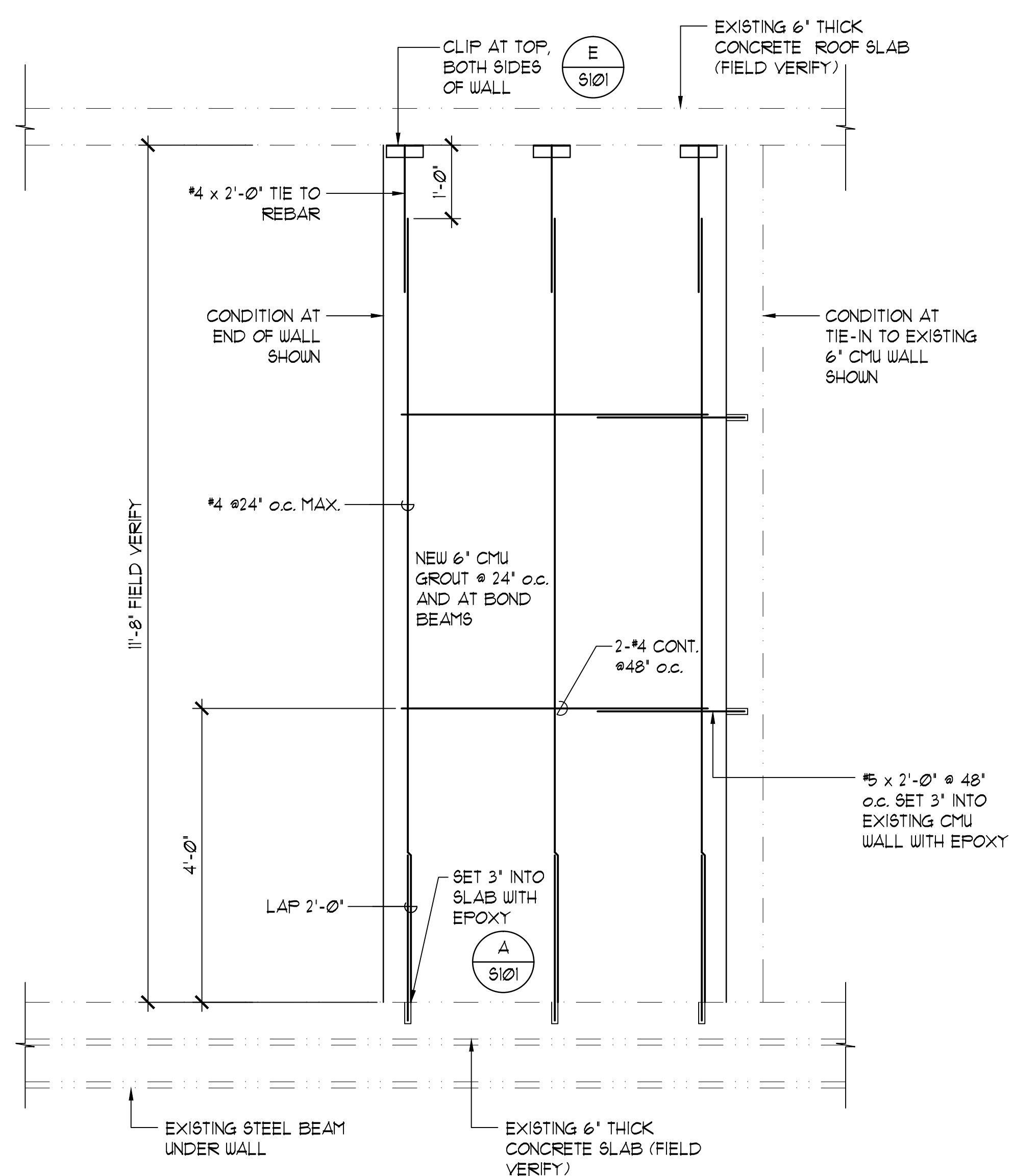
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6301

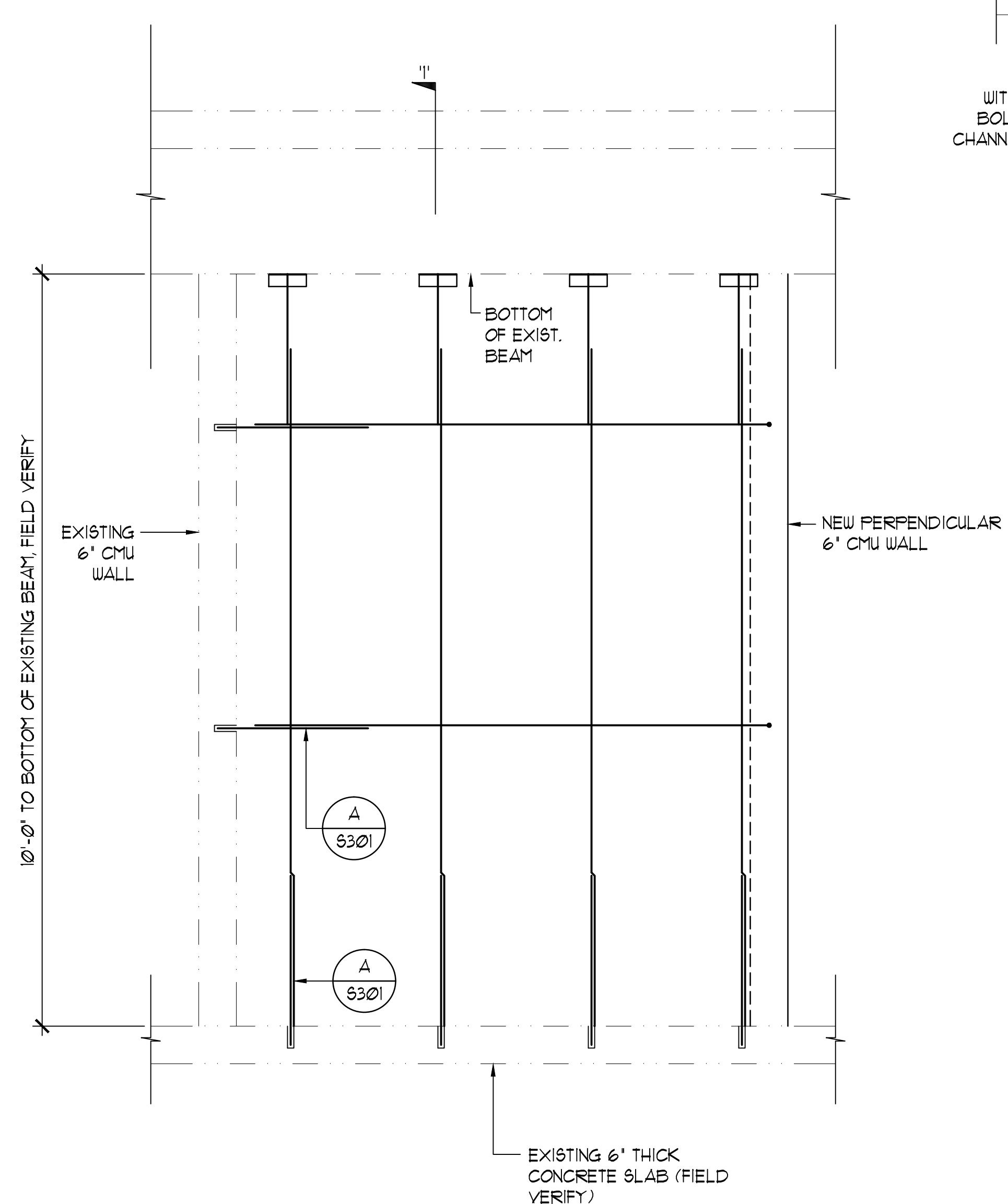
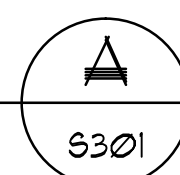
DATE MARCH 28, 2018

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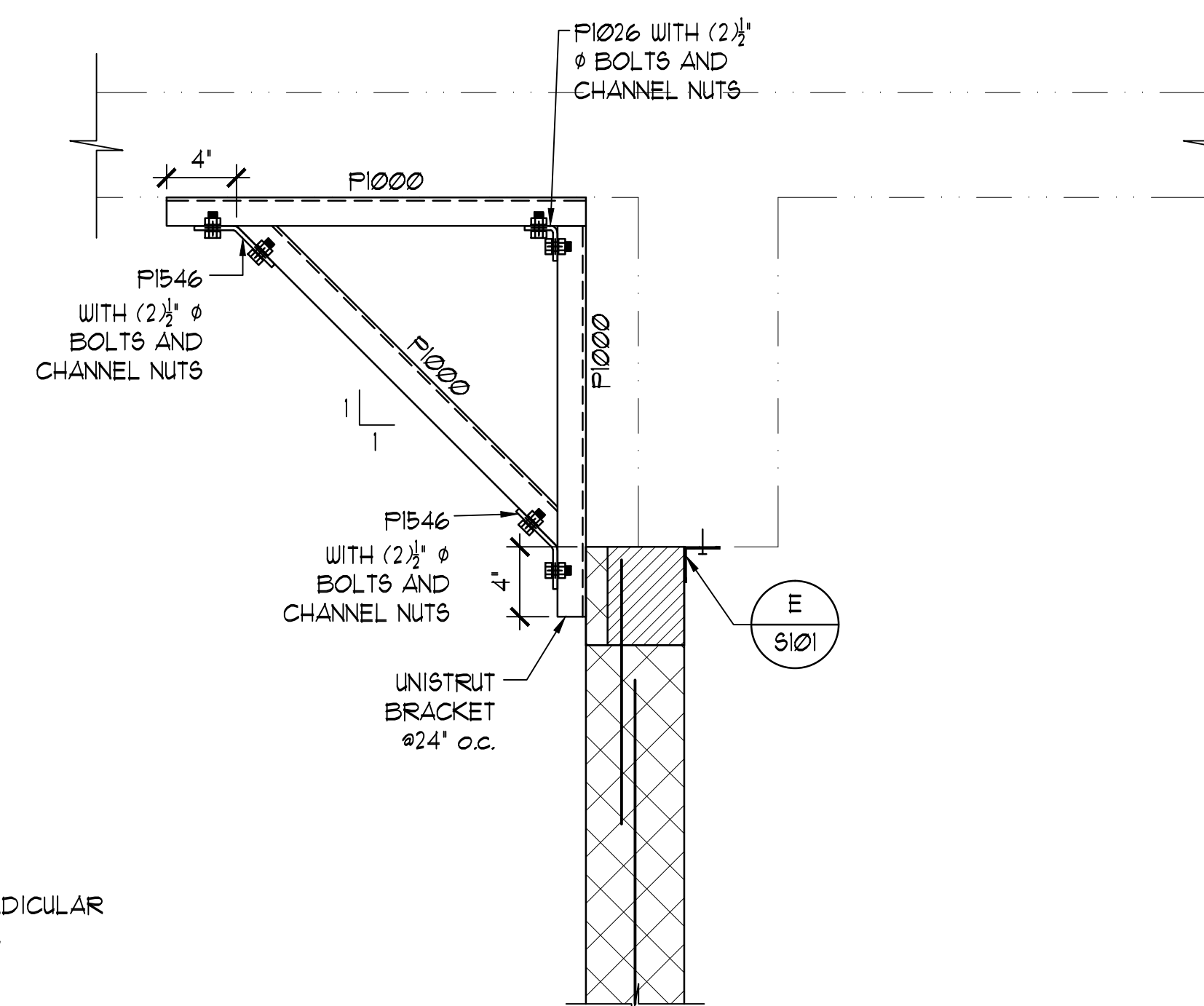
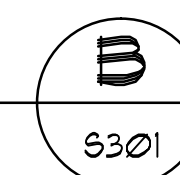
NEW 6" CMU WALL ELEVATION

SC: 3/4"=1'-0"



NEW 6" CMU WALL UNDER BEAM

SC: 3/4"=1'-0"

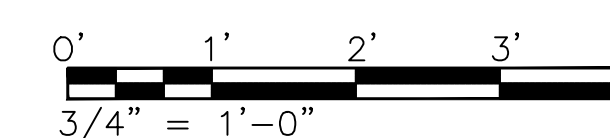


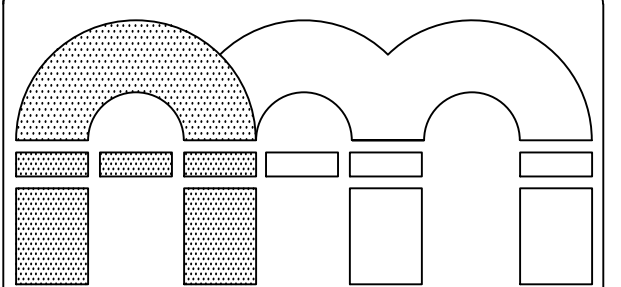
NOTE:

1. ALL UNISTRUT MEMBERS AND CONNECTIONS USE ELECTROPLATED ZINC COATING.

1" UNISTRUT BRACKET DETAIL

SC: 1 1/2"=1'-0"





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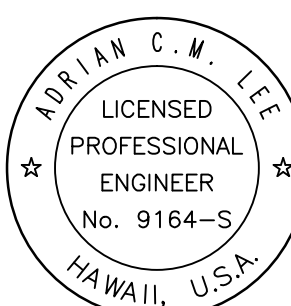
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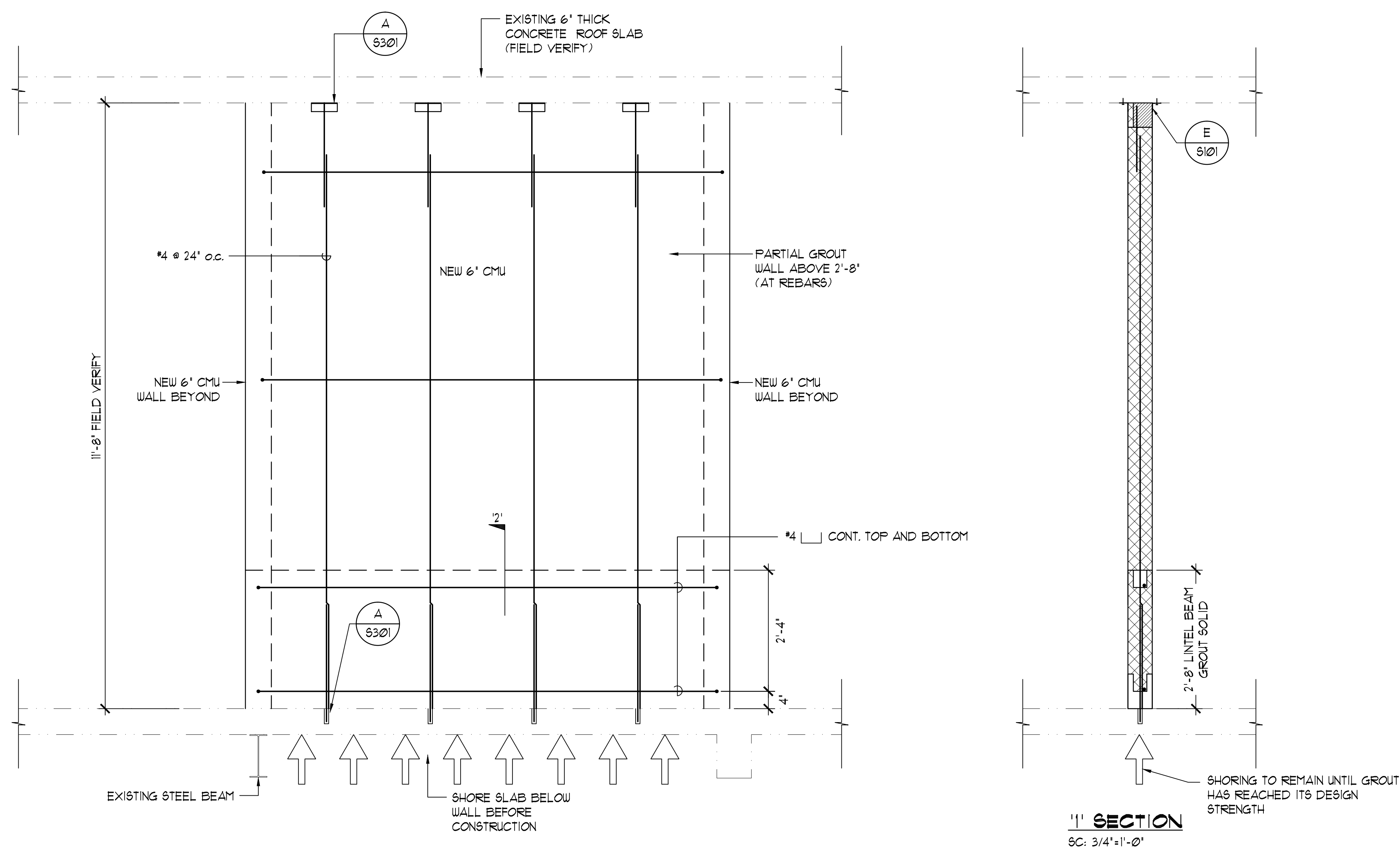
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DATE MARCH 28, 2018
16 OF 30 SHTS



LINTEL BEAM AT BOTTOM OF NEW WALL

SC: 3/4"=1'-0"

