

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-00M	2000	15	22

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE UNIFORM BUILDING CODE AS ADOPTED AND/OR AMENDED BY THE CITY AND COUNTY OF HONOLULU.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO START OF JOB AND PROVIDE WRITTEN NOTIFICATION OF ANY DISCREPANCY TO THE ARCHITECT FOR FURTHER DIRECTION.
- ALL CONCRETE WORK SHALL CONFORM TO ACI 318-95. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. MAXIMUM AGGREGATE SIZE SHALL BE 3/4 INCH WITH A MAXIMUM CONCRETE SLUMP OF FOUR (4) INCHES.
- ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE 60.
- ANCHOR BOLTS SHALL CONFORM TO ASTM A-307, GALVANIZED.
- EXPANSION BOLTS SHALL CONFORM TO AISI C-12L14, GALVANIZED.
- CEMENTITIOUS FILL SHALL BE NON-SHRINK AND SHALL ATTAIN A 6000psi MINIMUM 28 DAY COMPRESSIVE STRENGTH. APPLICATION SHALL BE IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATION.
- ALL LUMBER SHALL BE TERMITE AND ROT TREATED DOUGLAS FIR CONFORMING WITH THE STANDARD GRADING AND DRESSING RULES OF THE WEST COAST LUMBER INSPECTION BUREAU. LUMBER GRADE SHALL BE NO. 2 OR BETTER GRADE.
- LIGHT GAGE STEEL NOTES:
 - THE CONSTRUCTION AND DESIGNATIONS OF ALL LIGHT GAGE STEEL STRUCTURE SHALL CONFORM TO "SPECIFICATIONS FOR THE DESIGN OF LIGHT GAGE COLD FORMED STEEL STRUCTURAL MEMBERS" OF THE LATEST EDITION OF AISI.
 - ALL COLD-FORMED STEEL SHALL BE GALVANIZED AND CONFORM WITH ASTM A446. GALVANIZED COATING SHALL MEET THE REQUIREMENTS OF ASTM 525 AND SHALL HAVE A MINIMUM G-90 COATING.
 - EXCEPT AS OTHERWISE NOTED; TRACKS, CLIPS, WEB STIFFENERS, BLOCKINGS, AND OTHER ACCESSORIES SHALL BE PROVIDED BY THE MANUFACTURER FOR A COMPLETE AND PROPER INSTALLATION ENABLING THE STRUCTURE TO RESIST LOADS INDICATED IN THE GENERAL NOTES.
 - UNLESS INDICATED ON THE DRAWINGS, FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR WELDS OF SUFFICIENT SIZE AND NUMBER TO PROVIDE SHEAR AND TENSION CAPACITIES EQUAL TO THAT OF THE CONNECTING MEMBERS.
 - SCREWS SHALL HAVE A PROTECTIVE COATING EQUIVALENT TO CADMIUM PLATING (ASTM A 165 TYPE NS) FOR USE IN EXTERIOR ASSEMBLIES.
 - WELDS SHALL CONFORM TO AWS D1.1, AWS D1.3, AND AISI MANUAL SECTION 4.2, AND SHALL BE PERFORMED BY A LICENSED WELDER CERTIFIED TO PERFORM WELDING FOR LIGHT GAGE METAL STRUCTURES.
 - EFFECTIVE PROPERTIES FOR 12 THROUGH 16 GAGE SECTIONS SHALL COMPLY WITH $F_y = 50\text{ksi}$; 18 TO 20 GAGE SECTIONS SHALL COMPLY WITH $F_y = 33\text{ksi}$.

- DESIGN DATA:

SEISMIC ZONE	2A
WIND PRESSURE:	
WIND SPEED	80 MPH
EXPOSURE	C
IMPORTANCE FACTOR	1.0
SOIL BEARING PRESSURE	2,000 PSF

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STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

FLOOR PLANS, SECTIONS, AND

GENERAL NOTES

BUILDING RENOVATION - MISCELLANEOUS

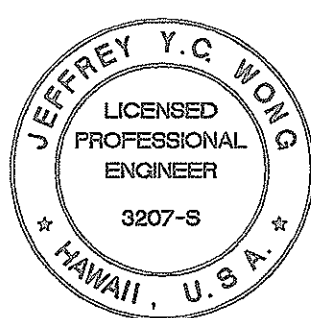
MATERIALS TESTING & RESEARCH BRANCH

Project No. HWY-0-02-00M

Scale: AS SHOWN Date: APRIL, 2000

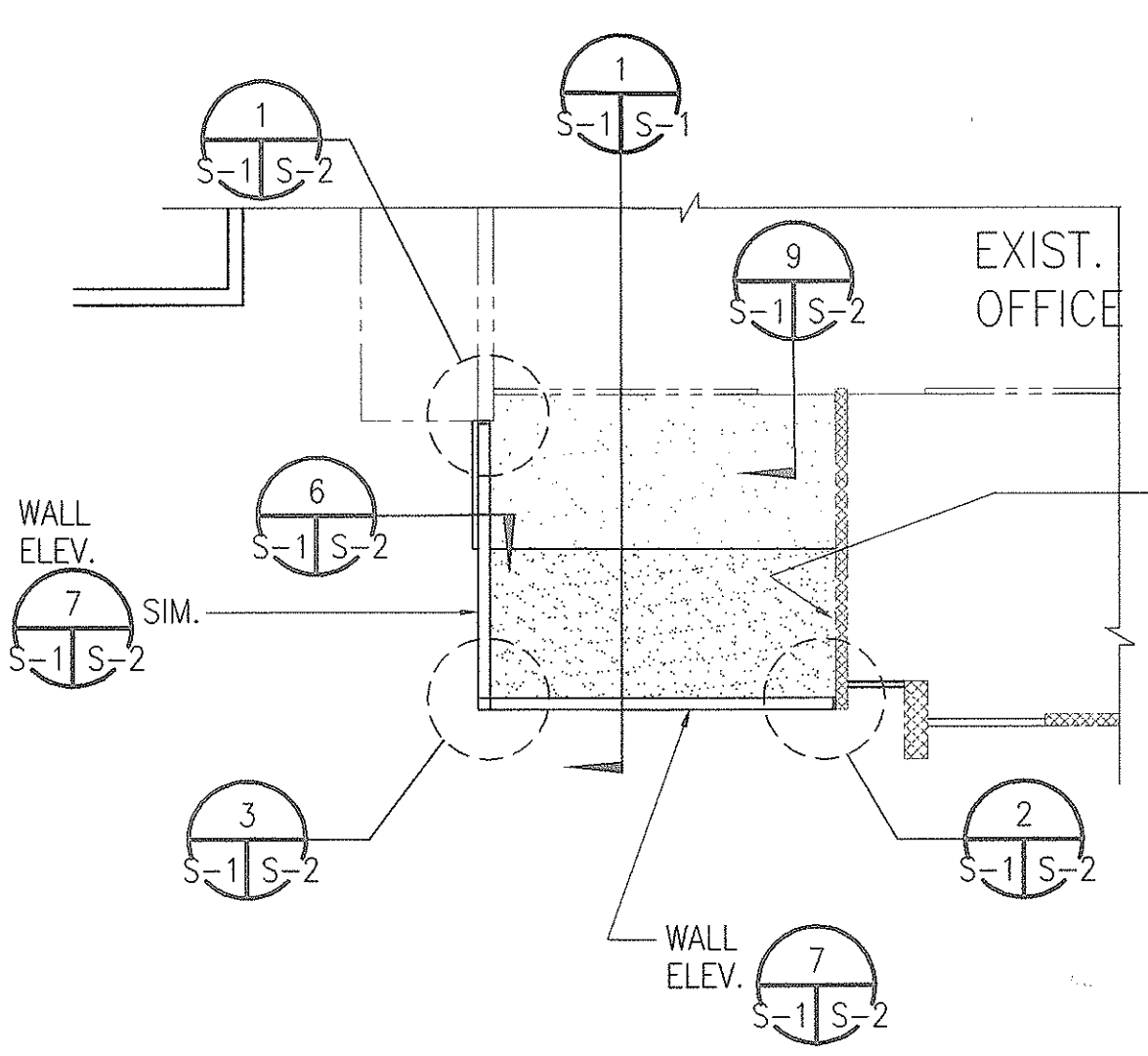
SHEET No. 15 OF 22

SHEETS

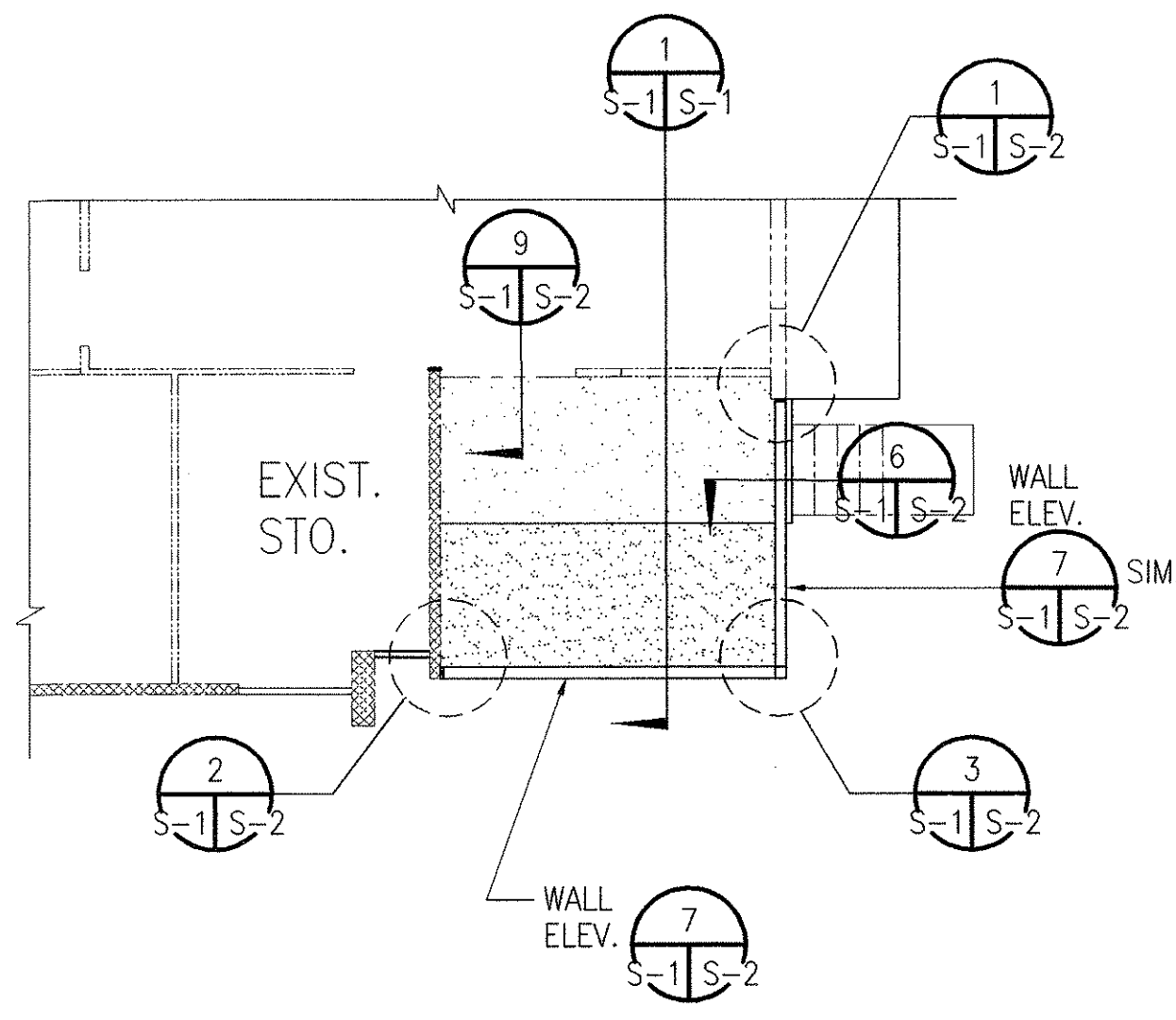


This work was prepared by me or under my supervision

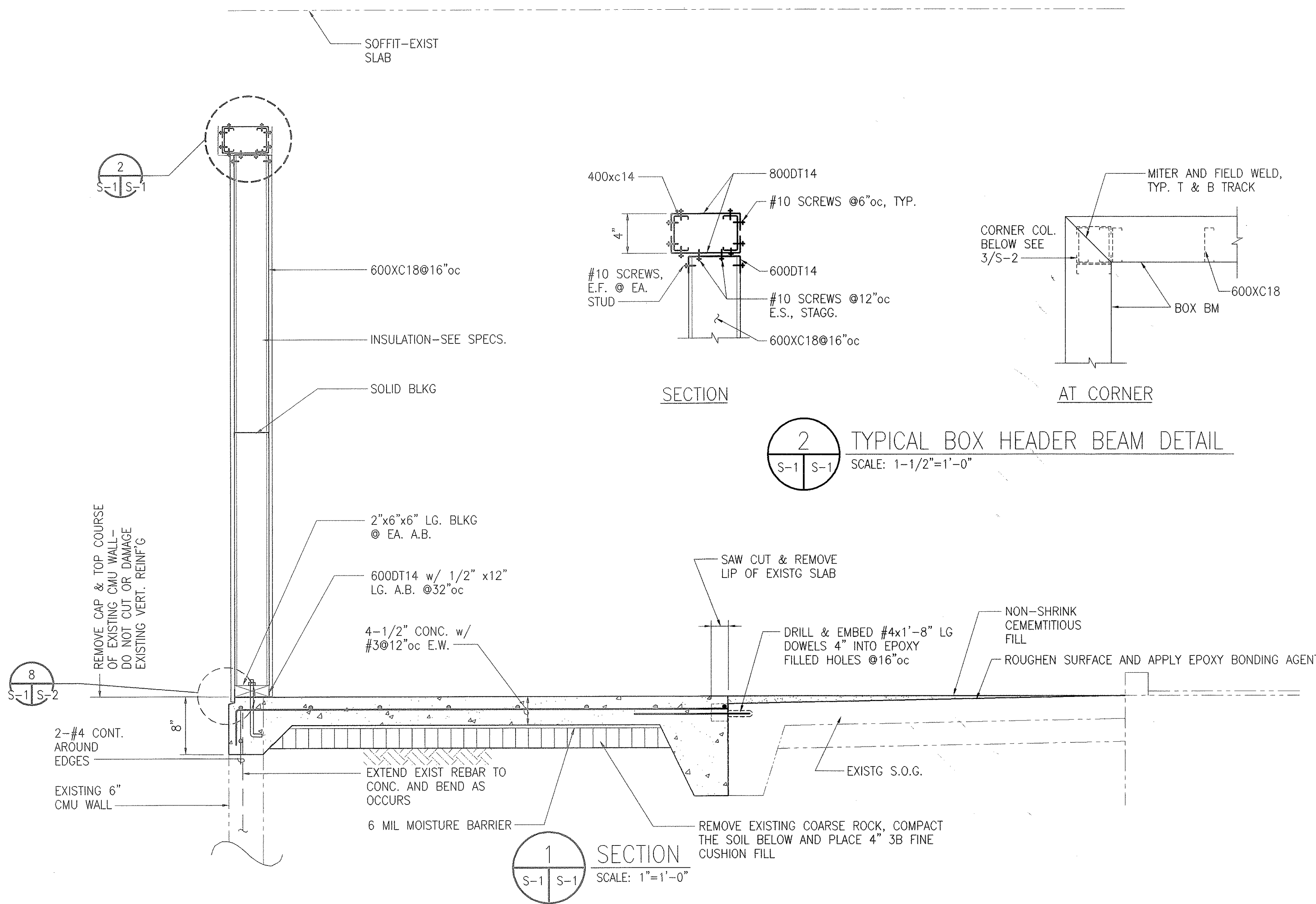
NTW ASSOCIATES, INC.
Structural Engineers



PARTIAL FLOOR PLAN
SCALE: 1/8"=1'-0"

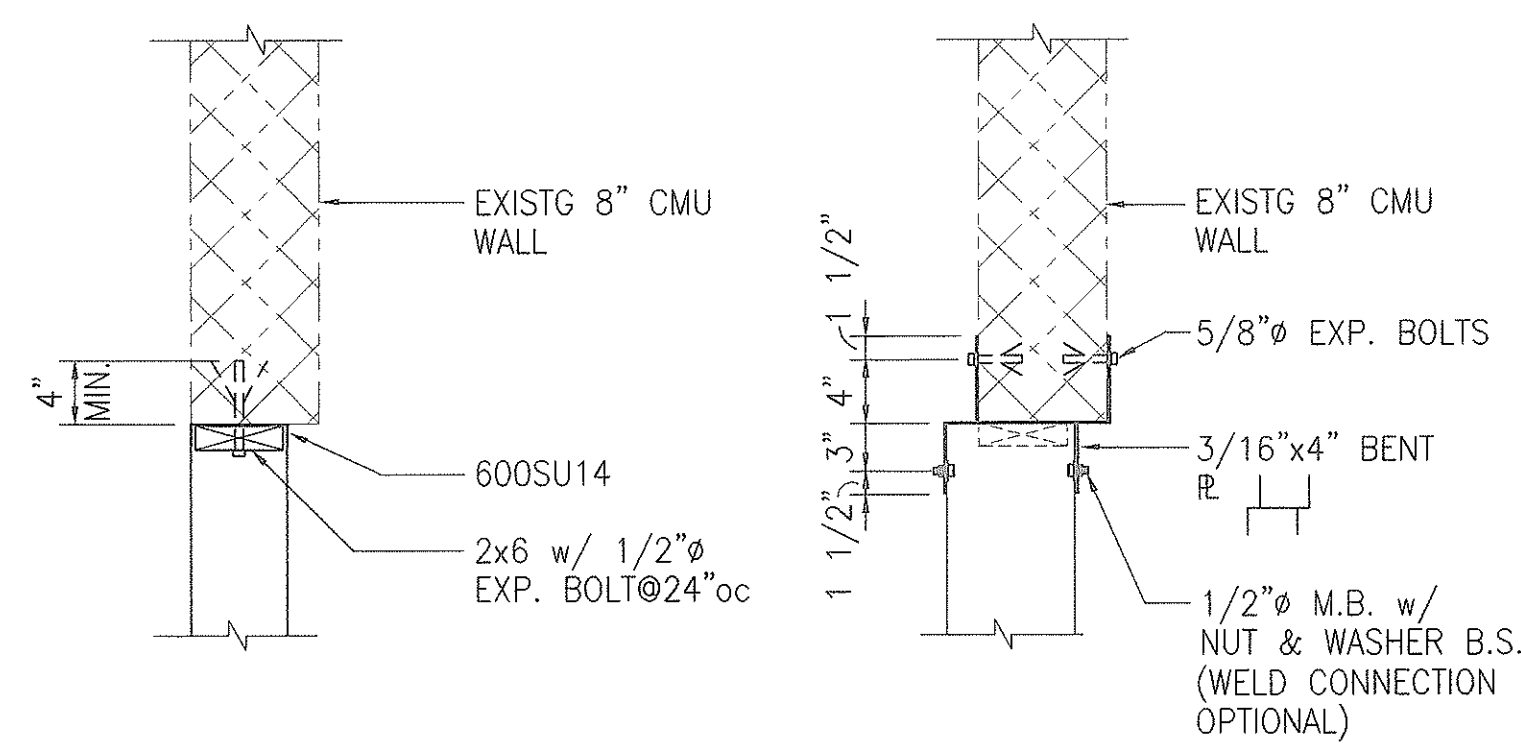


PARTIAL FLOOR PLAN
SCALE: 1/8"=1'-0"



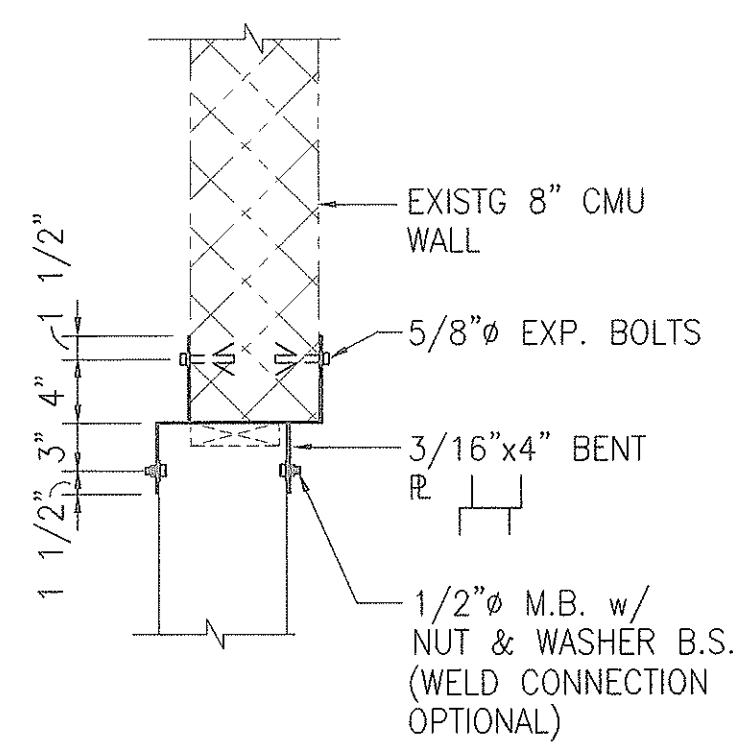
ORIGINAL SURVEY PLOTTED BY	DATE
DRAWN BY	4/20/00
DESIGNED BY	
NOTED BY	
CHECKED BY	
No.	

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-00M	2000	16	22

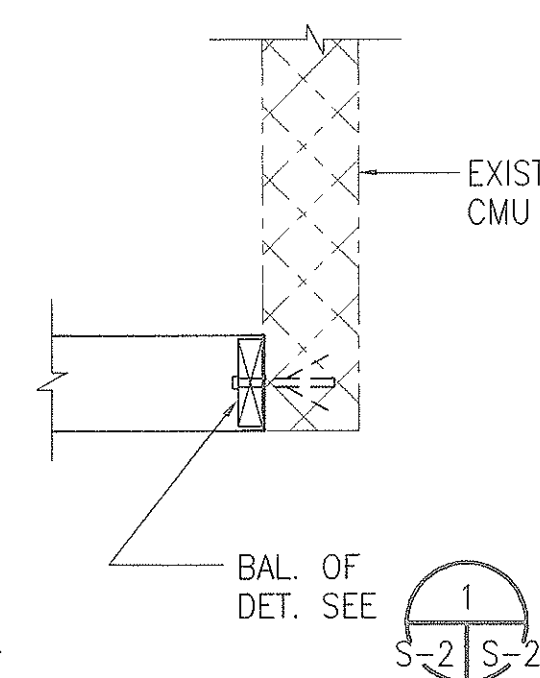


AT STUD

1 PLAN-SECTION
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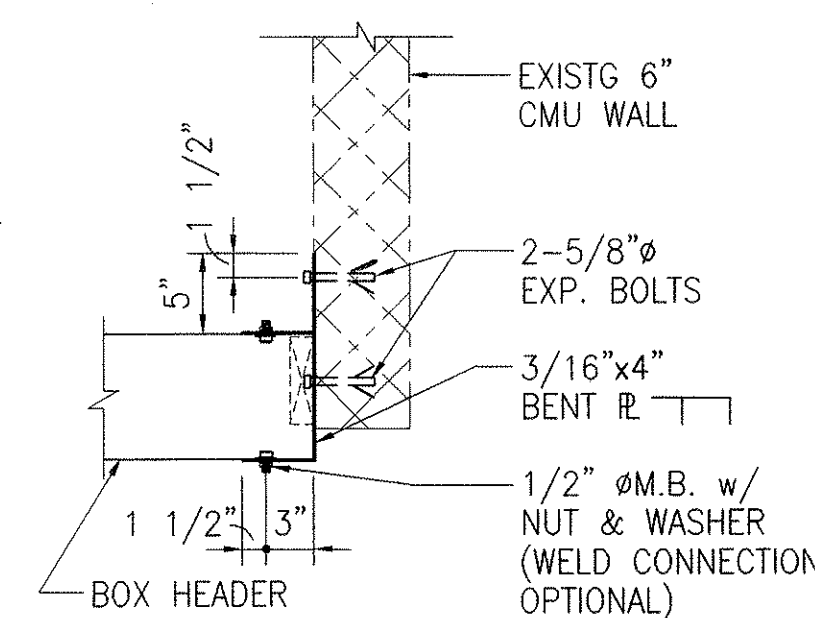


AT BOX BM

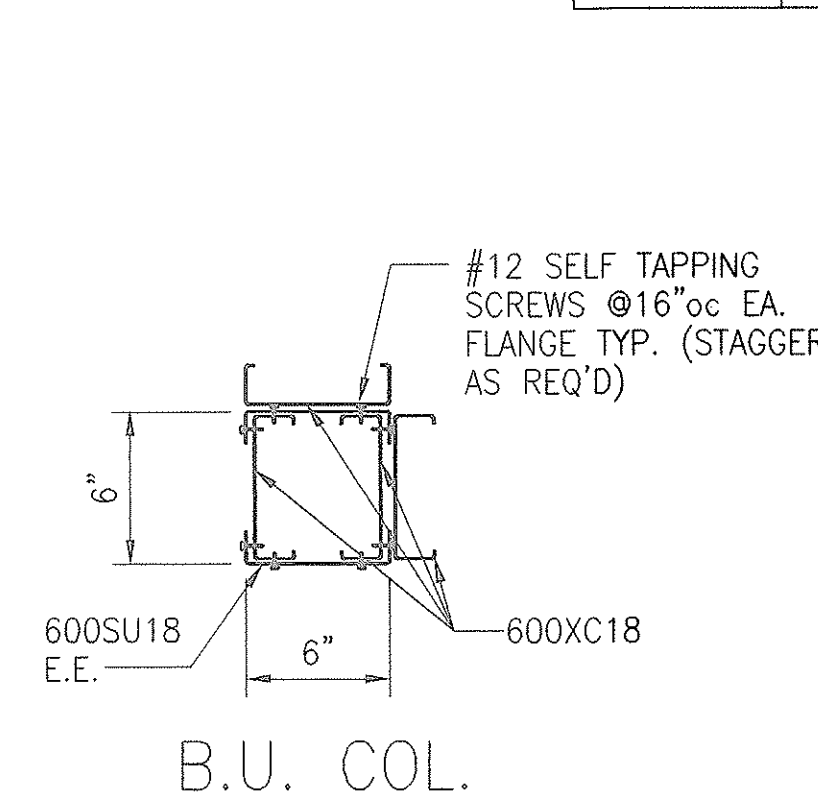
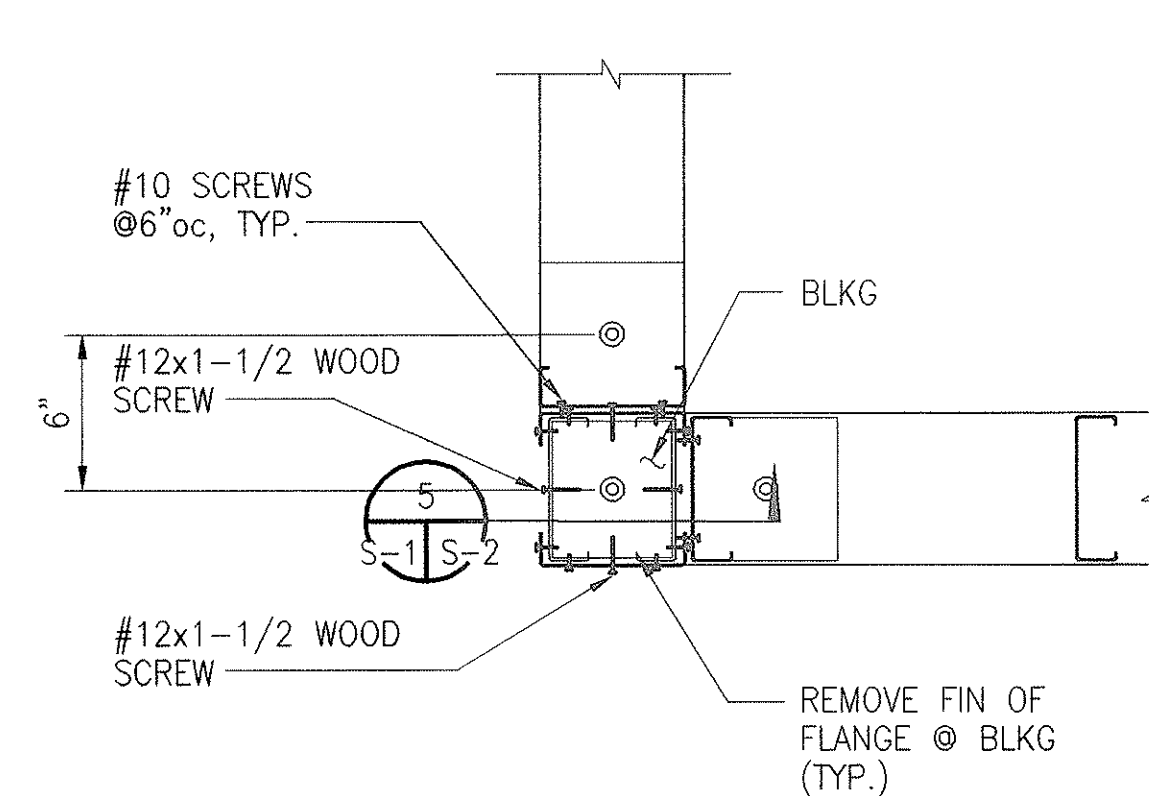


AT STUD

2 PLAN-SECTION
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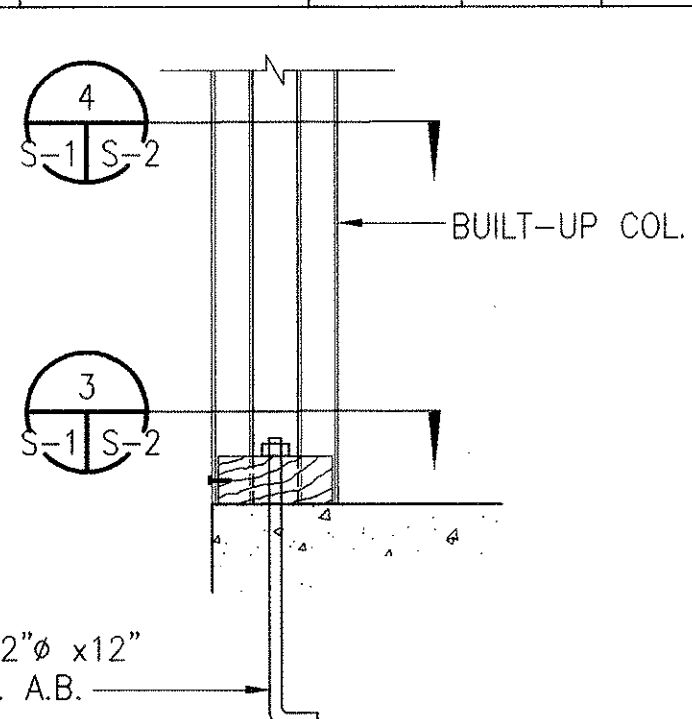


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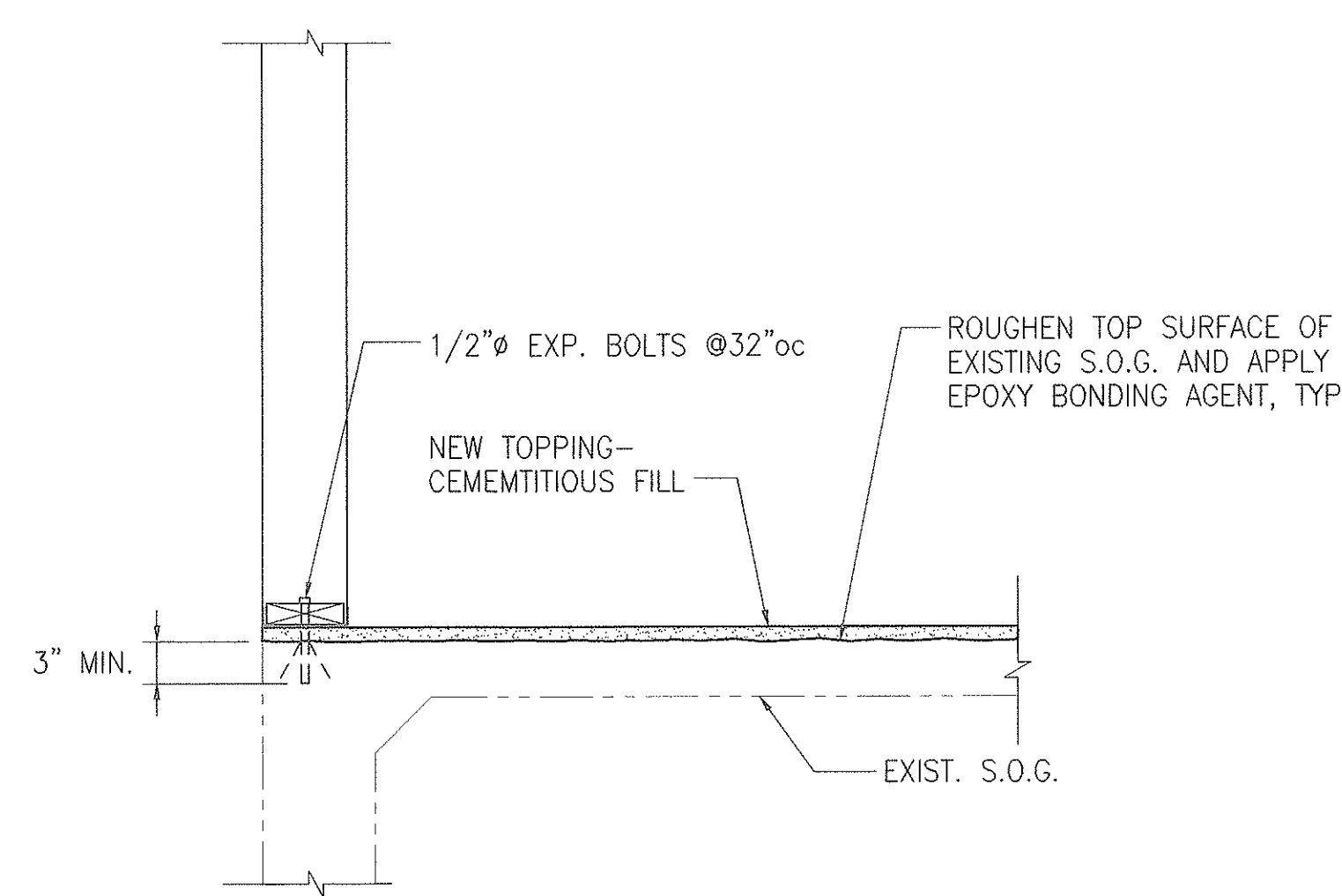


B.U. COL.

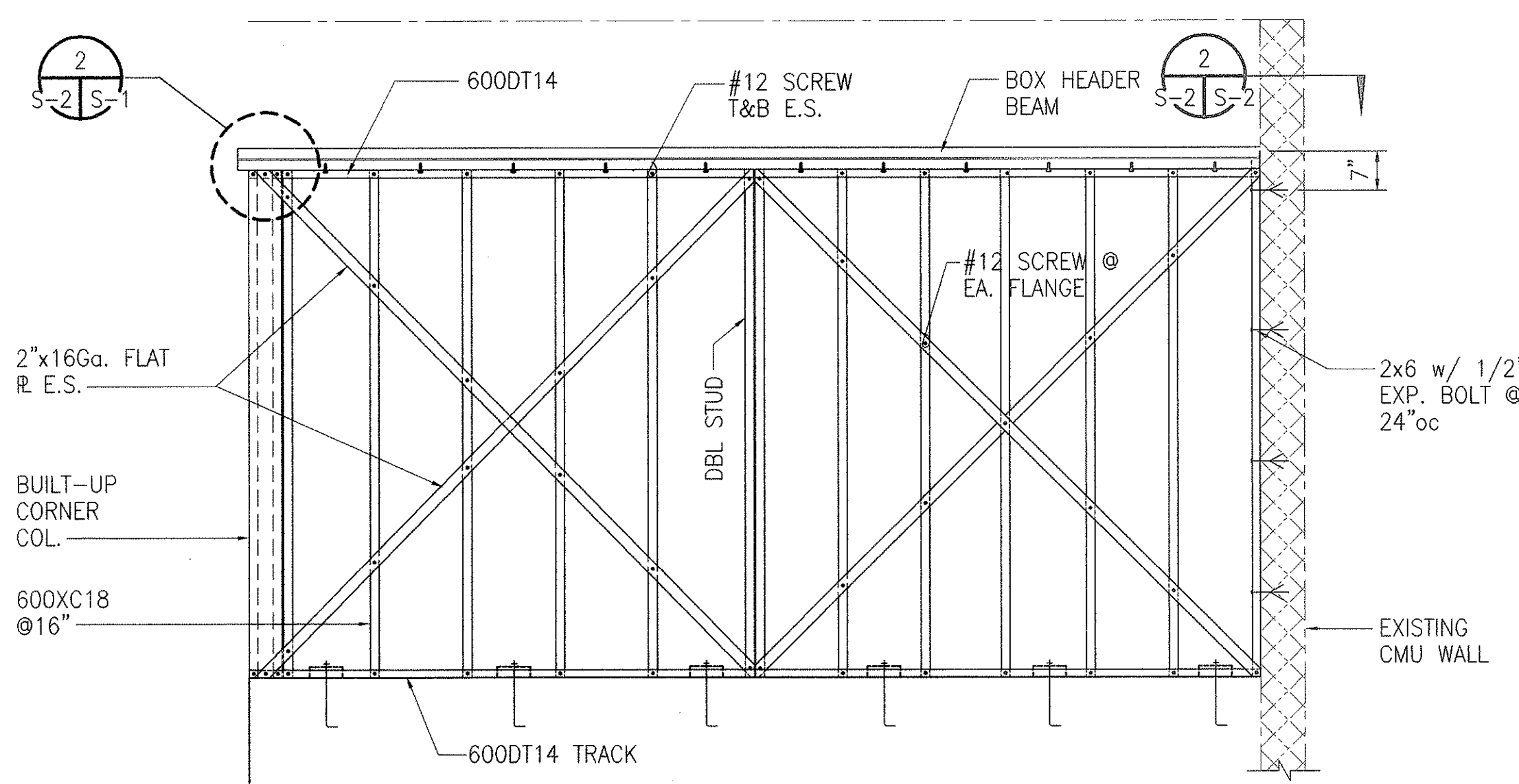
4 PLAN-SECTION
SCALE: 1-1/2"=1'-0"



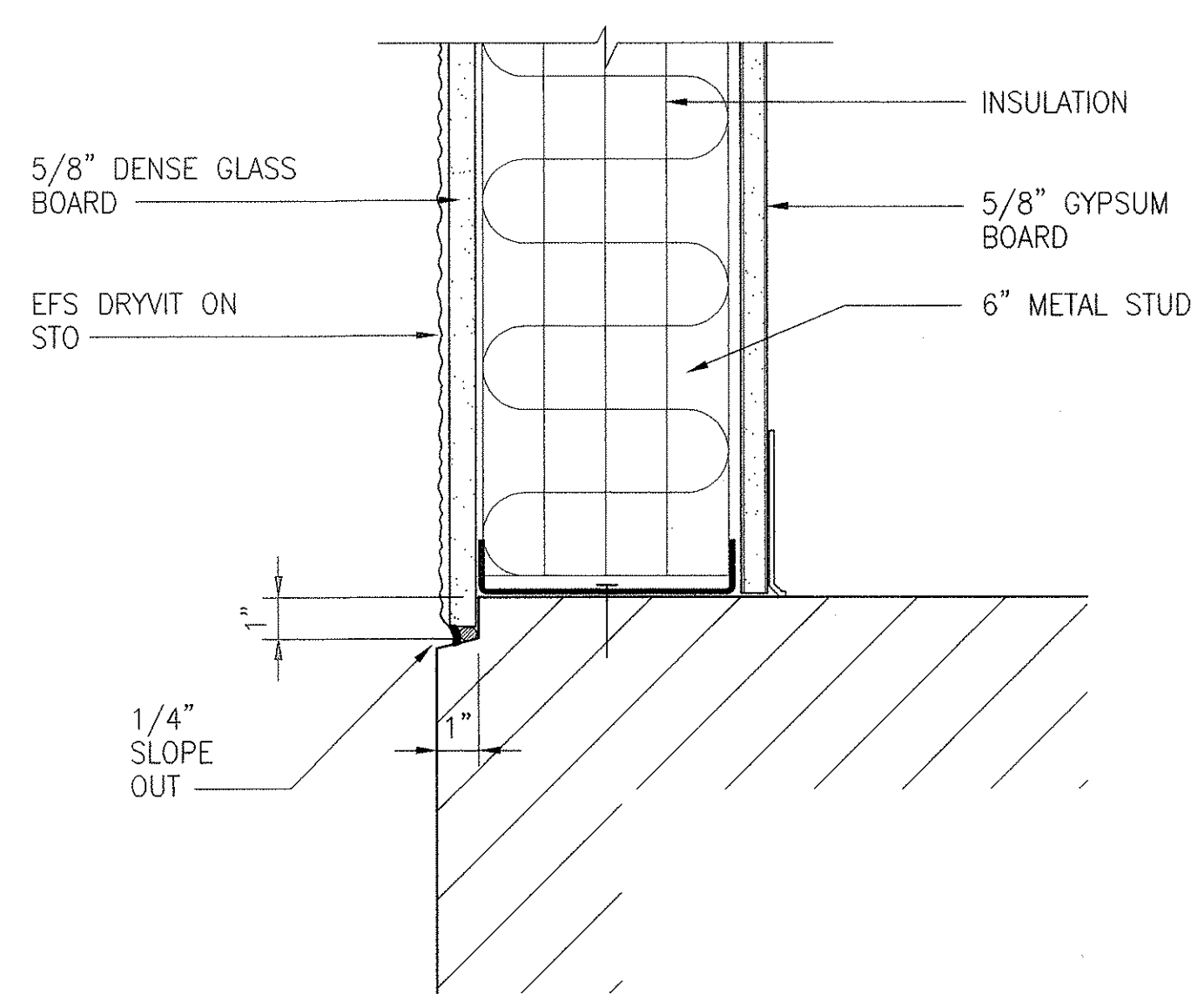
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SCALE: 1-1/2"=1'-0"



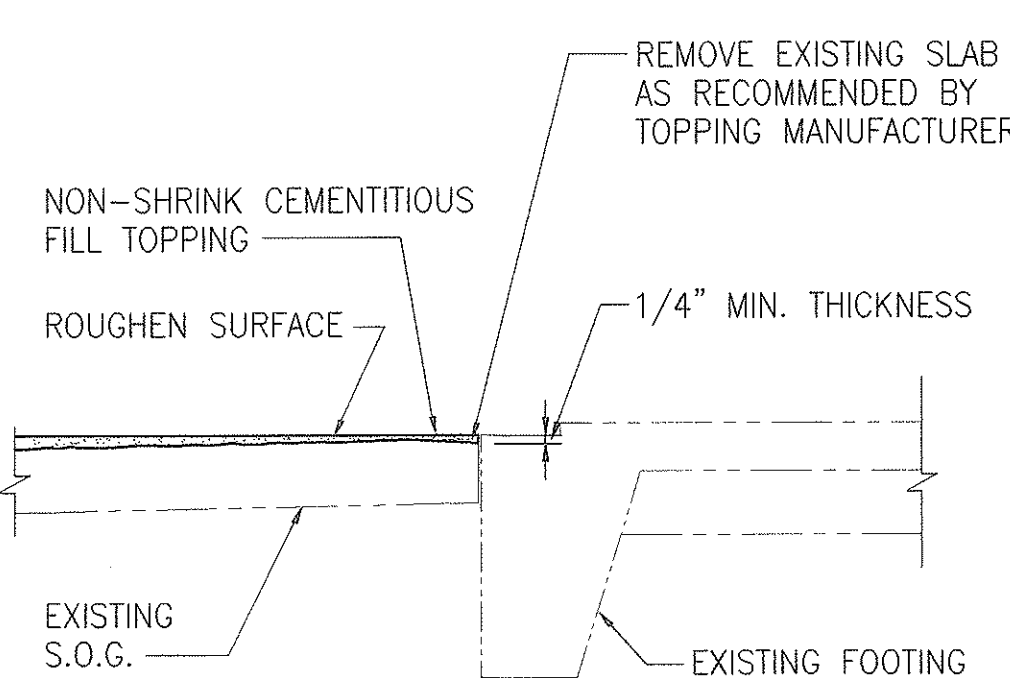
6 SECTION
SCALE: 1"=1'-0"



7 WALL ELEVATION
SCALE: 1/2"=1'-0"

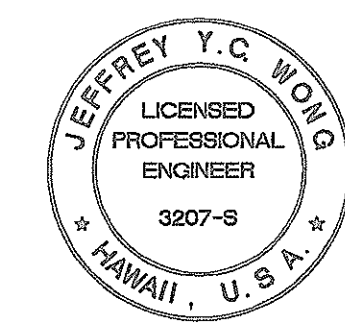


8 WALL DETAIL
SCALE: 3"=1'-0"



9 SECTION
SCALE: 1"=1'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	4/20/00
DESIGNED BY	DESIGNED BY	
QUANTITIES BY	QUANTITIES BY	
CHECKED BY	CHECKED BY	
No.	No.	



This work was prepared by me
under my supervision
NTW ASSOCIATES, INC.
Structural Engineers

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SECTIONS AND DETAILS

BUILDING RENOVATION - MISCELLANEOUS
MATERIALS TESTING & RESEARCH BRANCH
Project No. HWY-0-02-00M

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SHEET No. 16 OF 22 SHEETS