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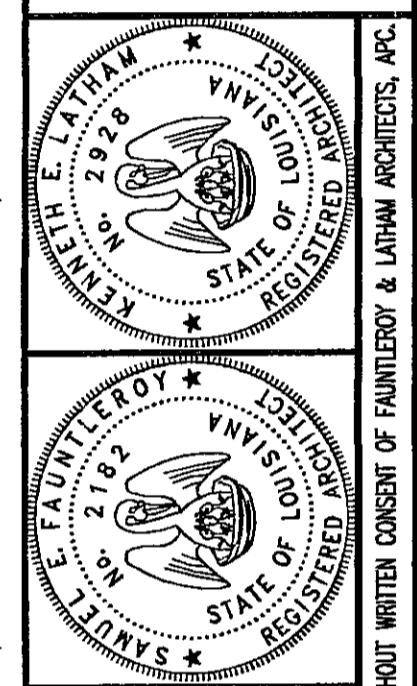
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ATHLETIC FIELDHOUSE EXPANSION AT
FONTAINEBLEAU HIGH SCHOOL
MANDEVILLE, LOUISIANA
ST. TAMMANY PARISH SCHOOL BOARD

PLAN & ELEVATIONS

Job No: 203066

Drawn by: MAH
Checked by: KPS
Date: 17 NOV 03
Revised:

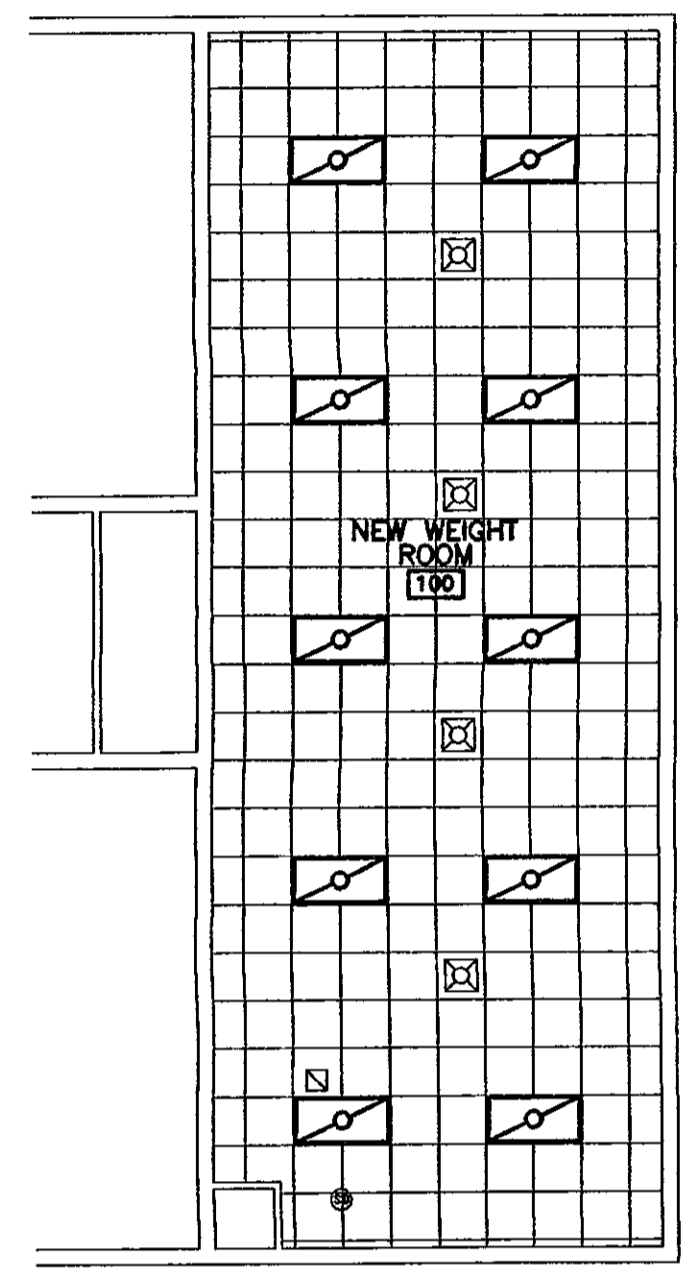
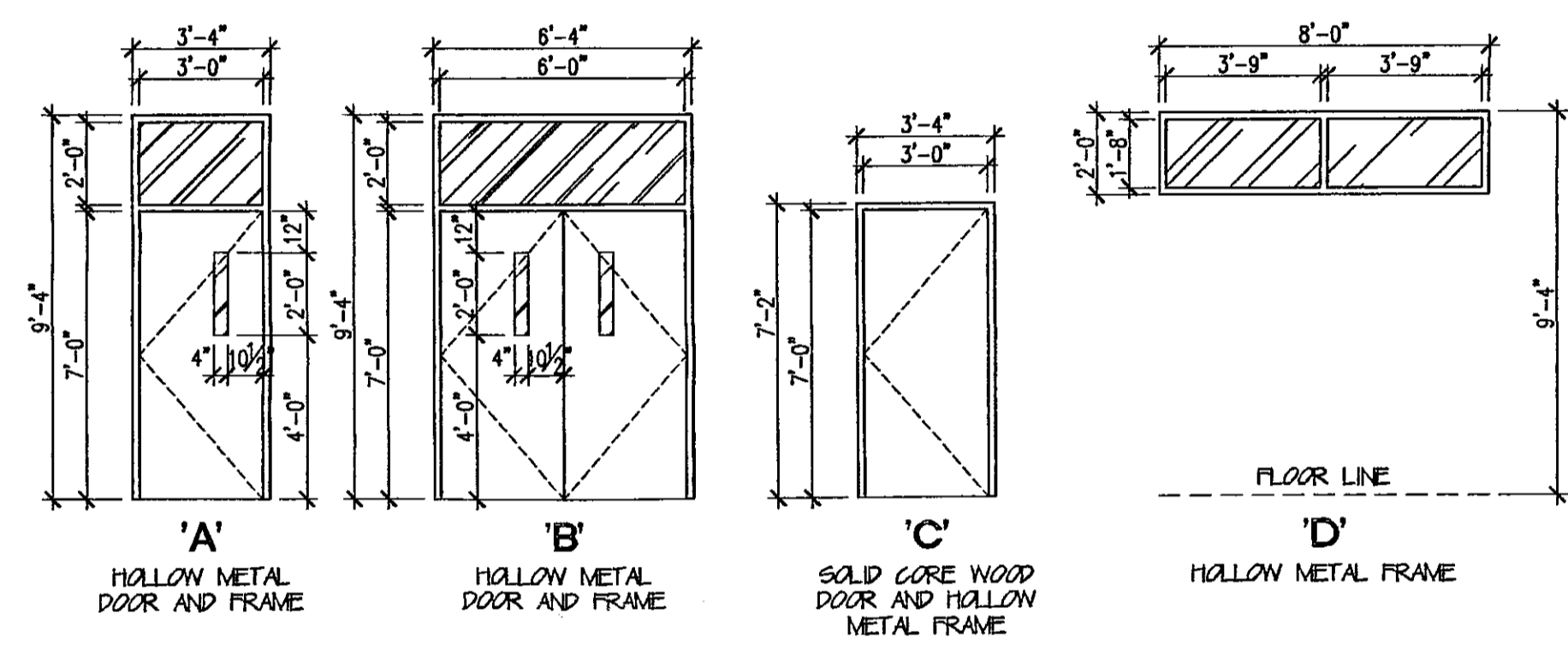
A2.1

ROOM FINISH SCHEDULE						
ROOM (AREA) NUMBER	ROOM NAME	FLOOR	BASE	WALLS	CEILING	C.H. REMARKS
100	NEW WEIGHT ROOM	CONCRETE	SEE NOTE	SEE NOTE PAINTED CMU	SEE NOTE SUSP. ACOUSTICAL	10'-0" 1
101	HVAC CLOSET		NONE			
1A	ATTIC - NO WORK					
1B	MECHANICAL					
1C	ATTIC					

1. PRESSURE CLEAN EXISTING CMU WALL

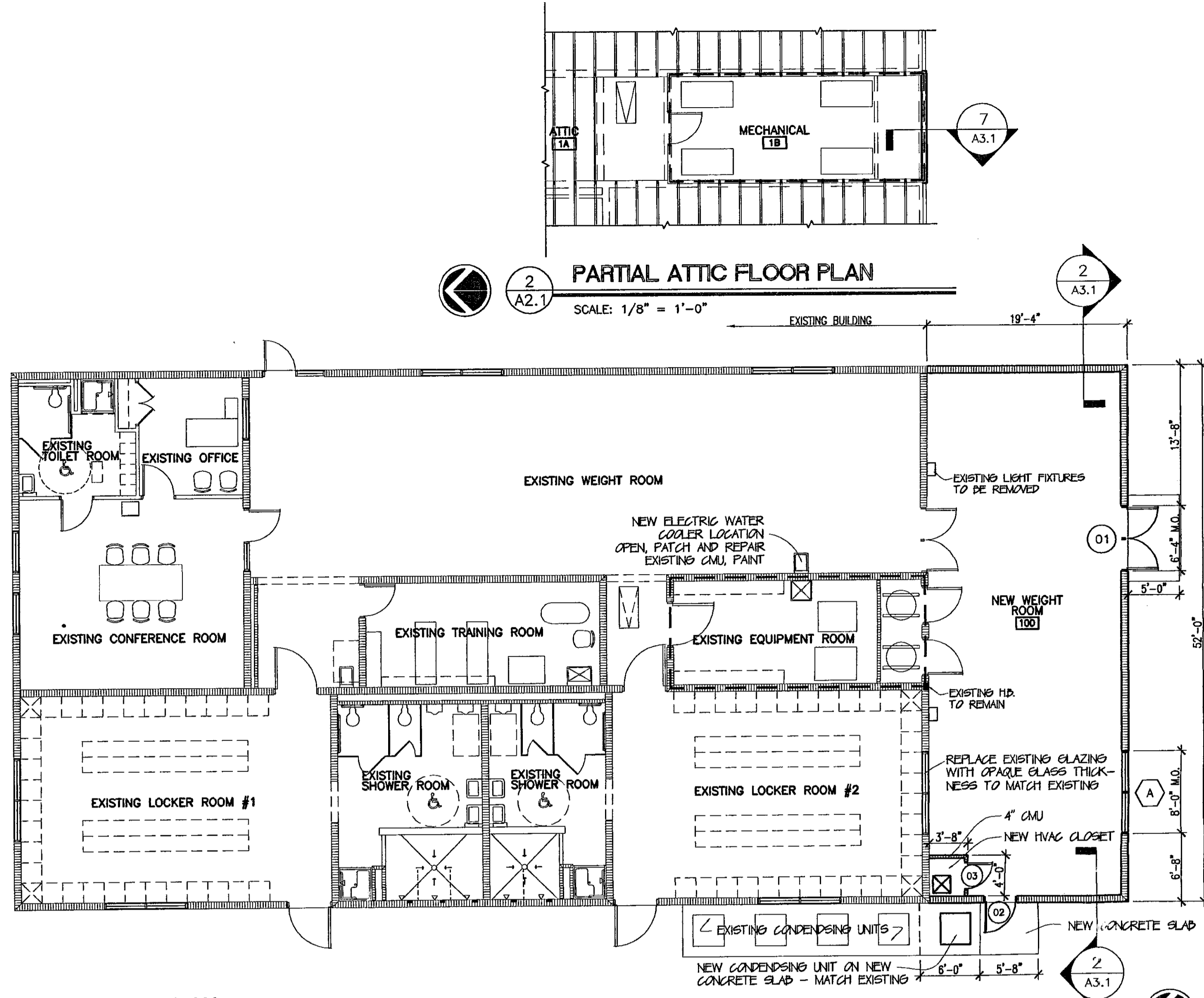
OPENING SCHEDULE						
DIMENSIONS ARE NOMINAL - VERIFY WITH MANUFACTURER						
MARK	TYPE	MATL	WIDTH	HEIGHT	REMARKS	
A	D	HM	8'-0"	2'-0"	1/4" TEMPERED GLASS MATCH EXISTING TINT	
01	B	HM	PAIR 3'-0"	7'-0"	1 3/4" THICK DOOR. SEE HEAD, JAMB, SILL DETAILS A3.2	
02	A	HM	3'-0"	7'-0"	1 3/4" THICK DOOR. SEE HEAD, JAMB, SILL DETAILS A3.2	
03	C	WD	3'-0"	7'-0"	1 3/4" THICK DOOR. SEE HEAD, JAMB, SILL DETAILS A3.2	

NOTE: ALUM. = ALUMINUM, MANF. = SEE MANUFACTURER

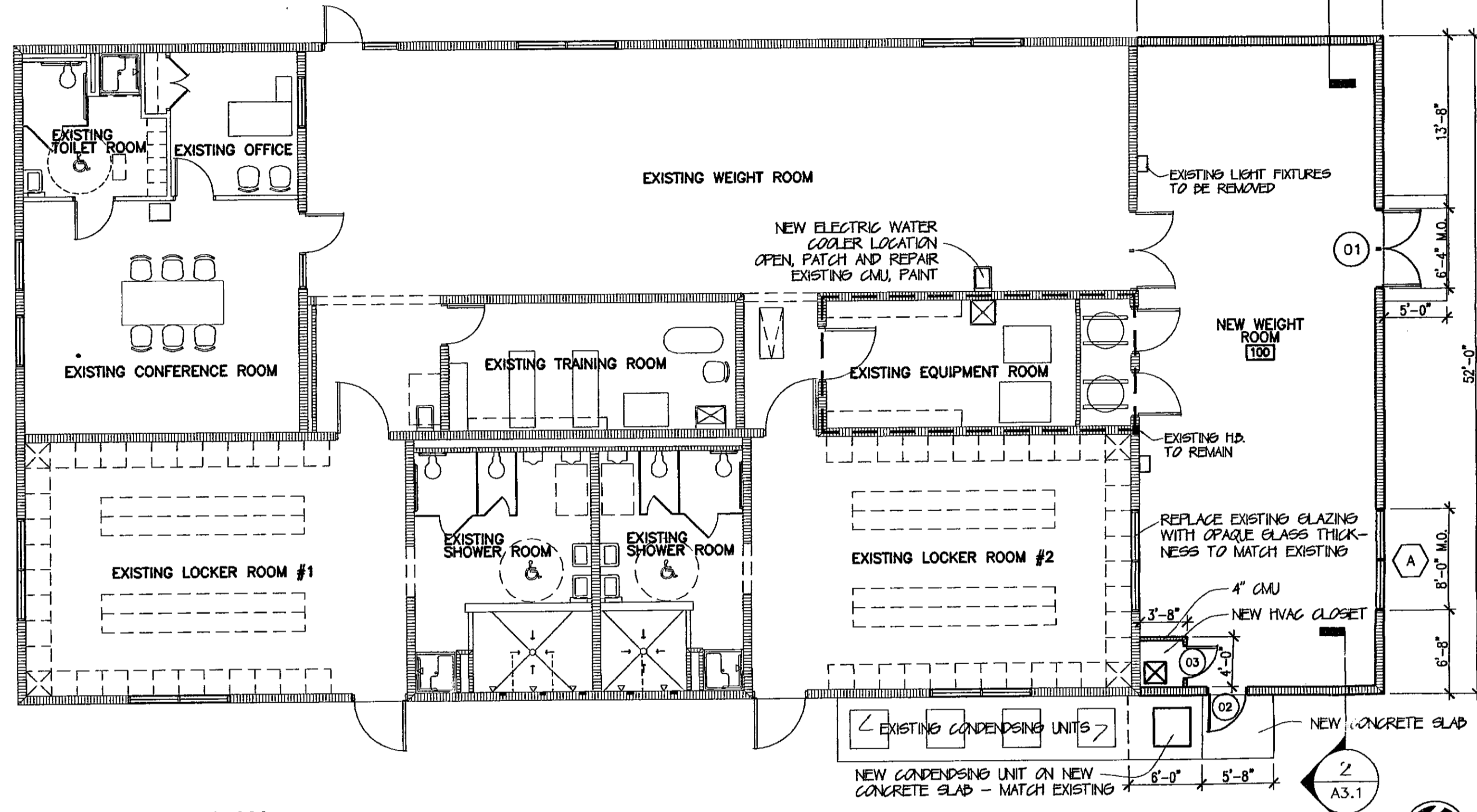


6 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

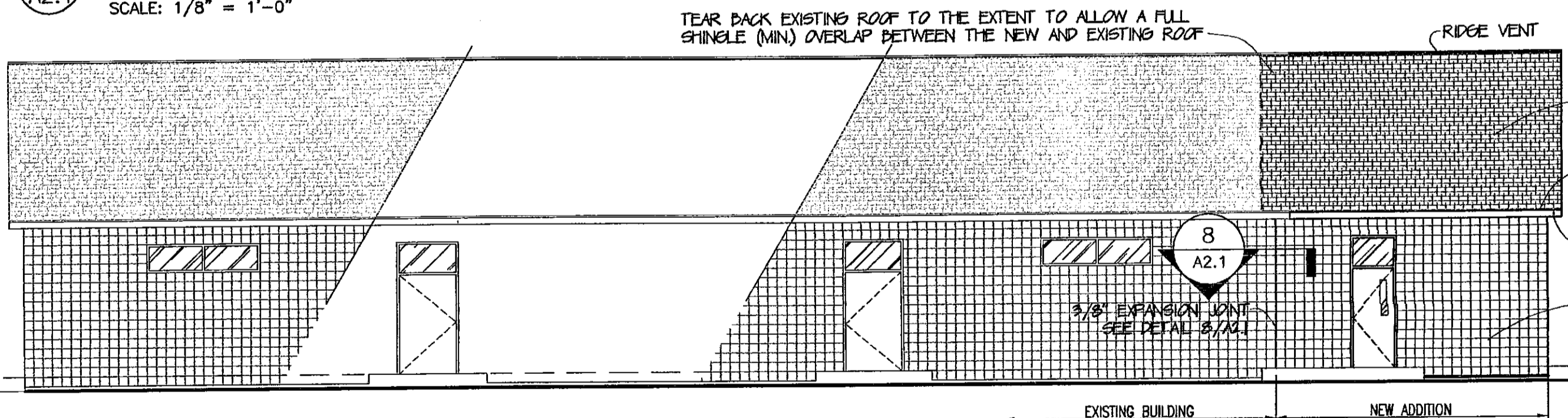
7 OPENING ELEVATIONS
SCALE: 1/4" = 1'-0"



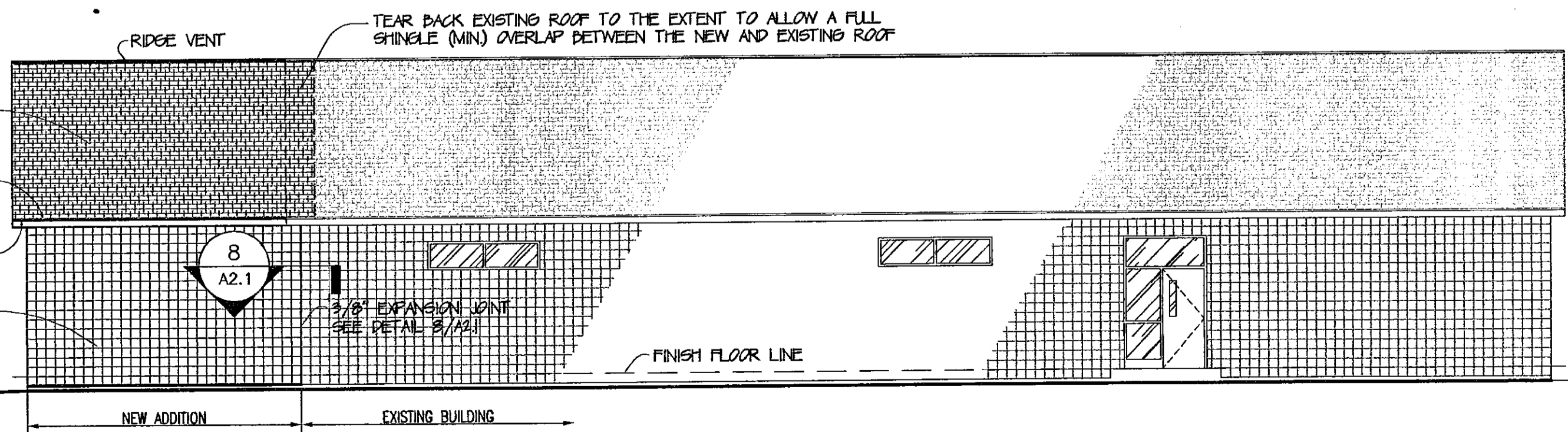
2 PARTIAL ATTIC FLOOR PLAN
SCALE: 1/8" = 1'-0"



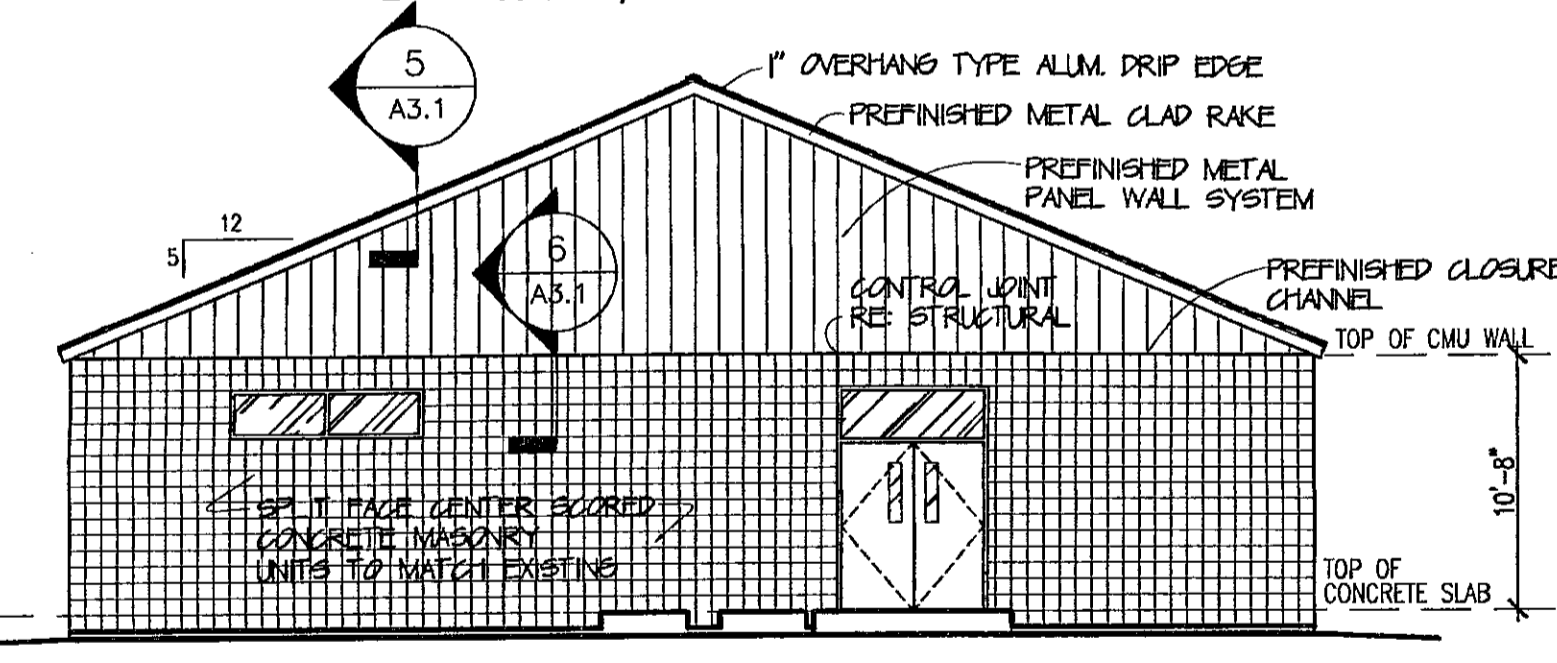
1 FLOOR PLAN
SCALE: 1/8" = 1'-0"



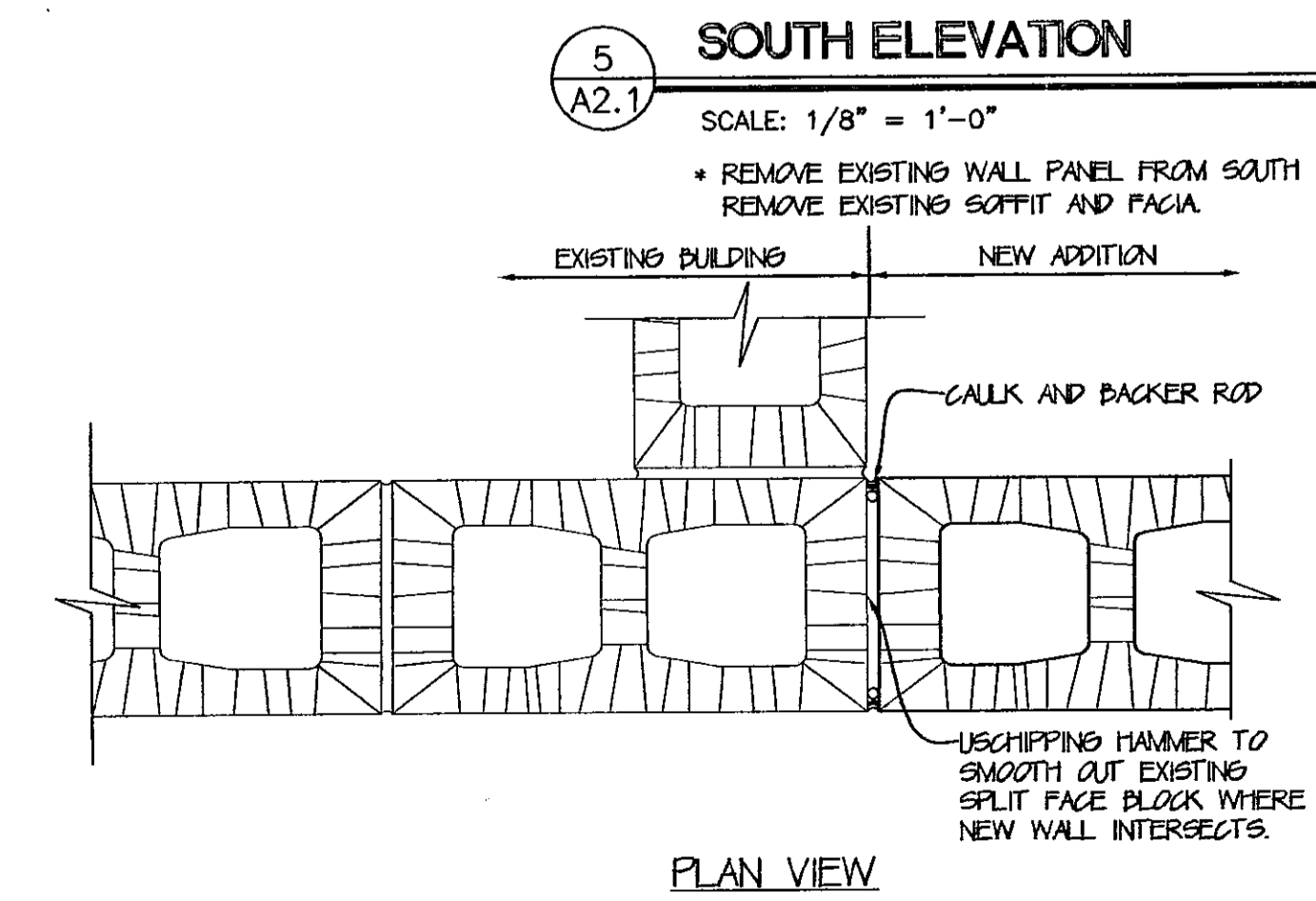
3 WEST ELEVATION
SCALE: 1/8" = 1'-0"



4 EAST ELEVATION
SCALE: 1/8" = 1'-0"



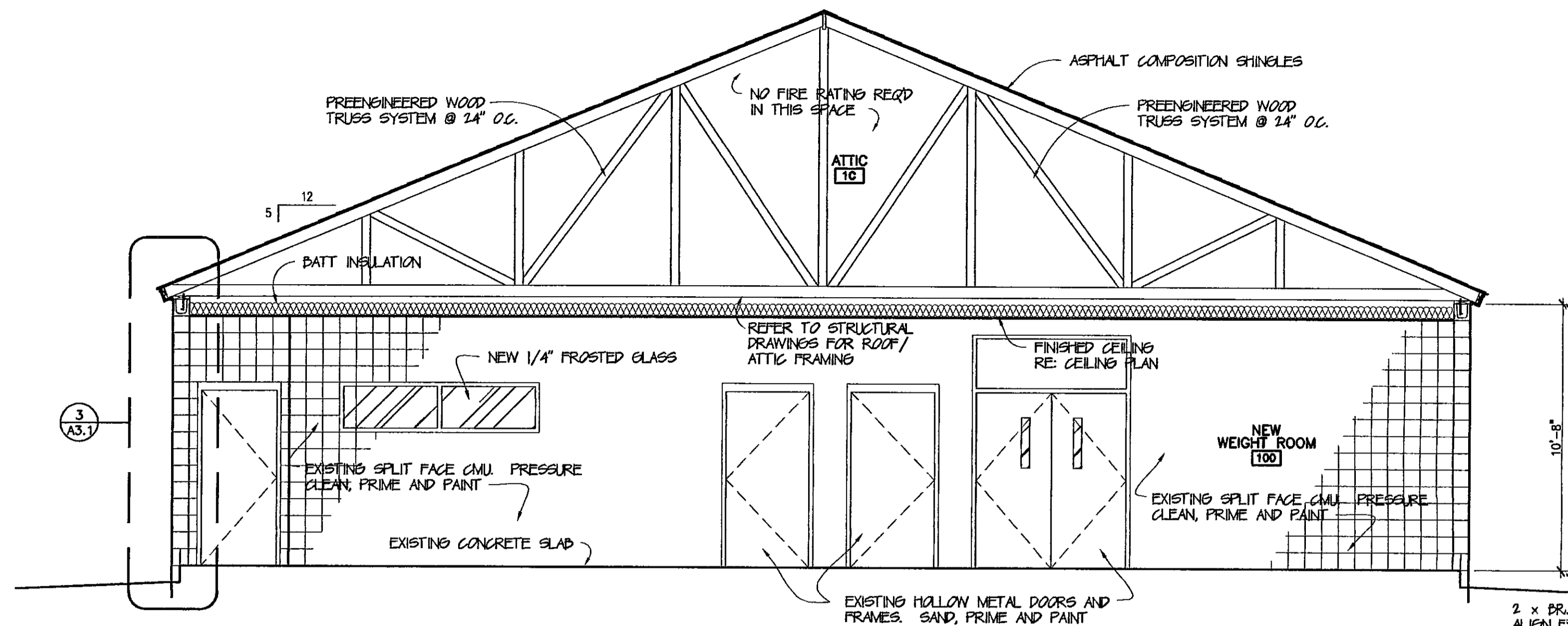
5 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



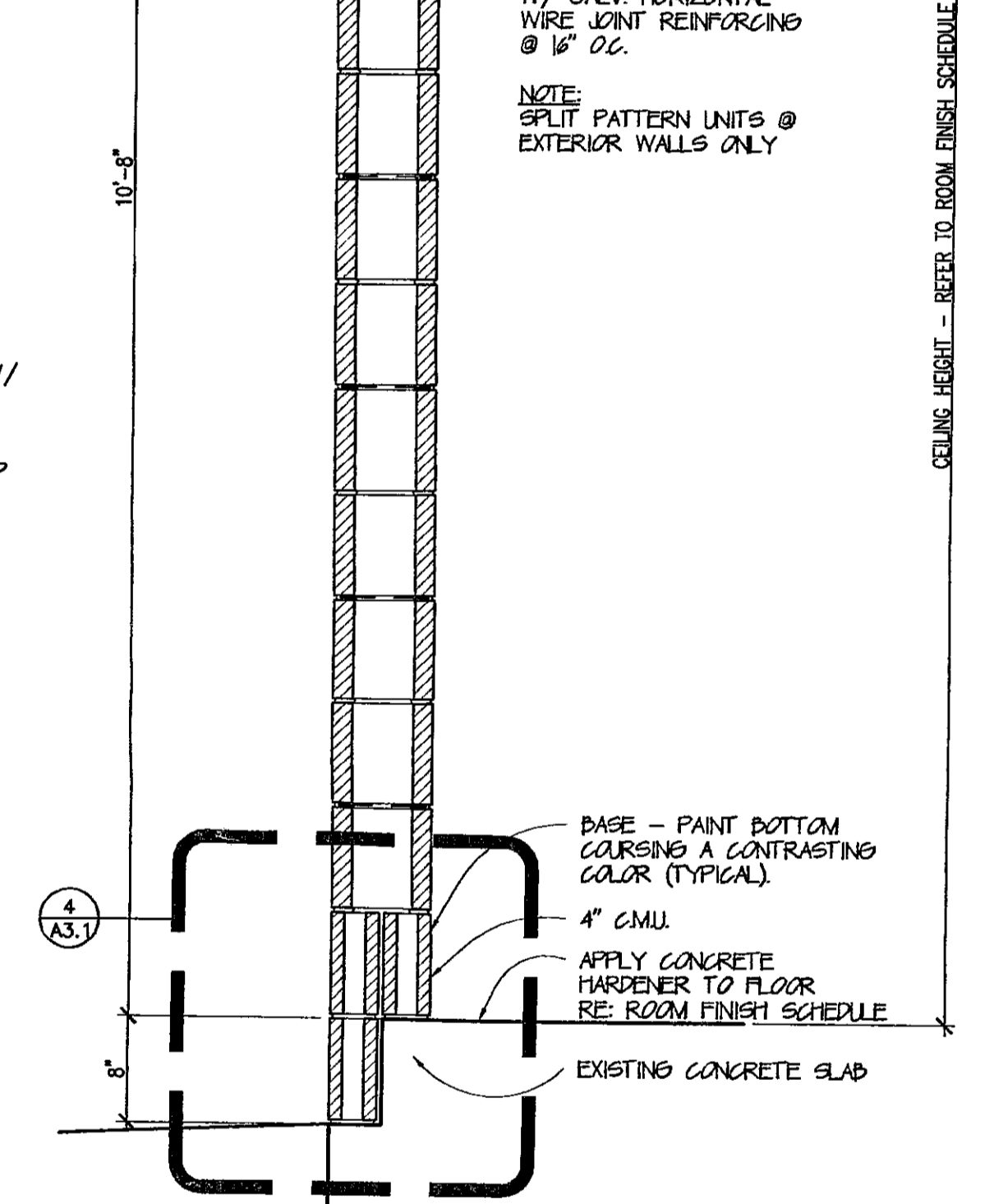
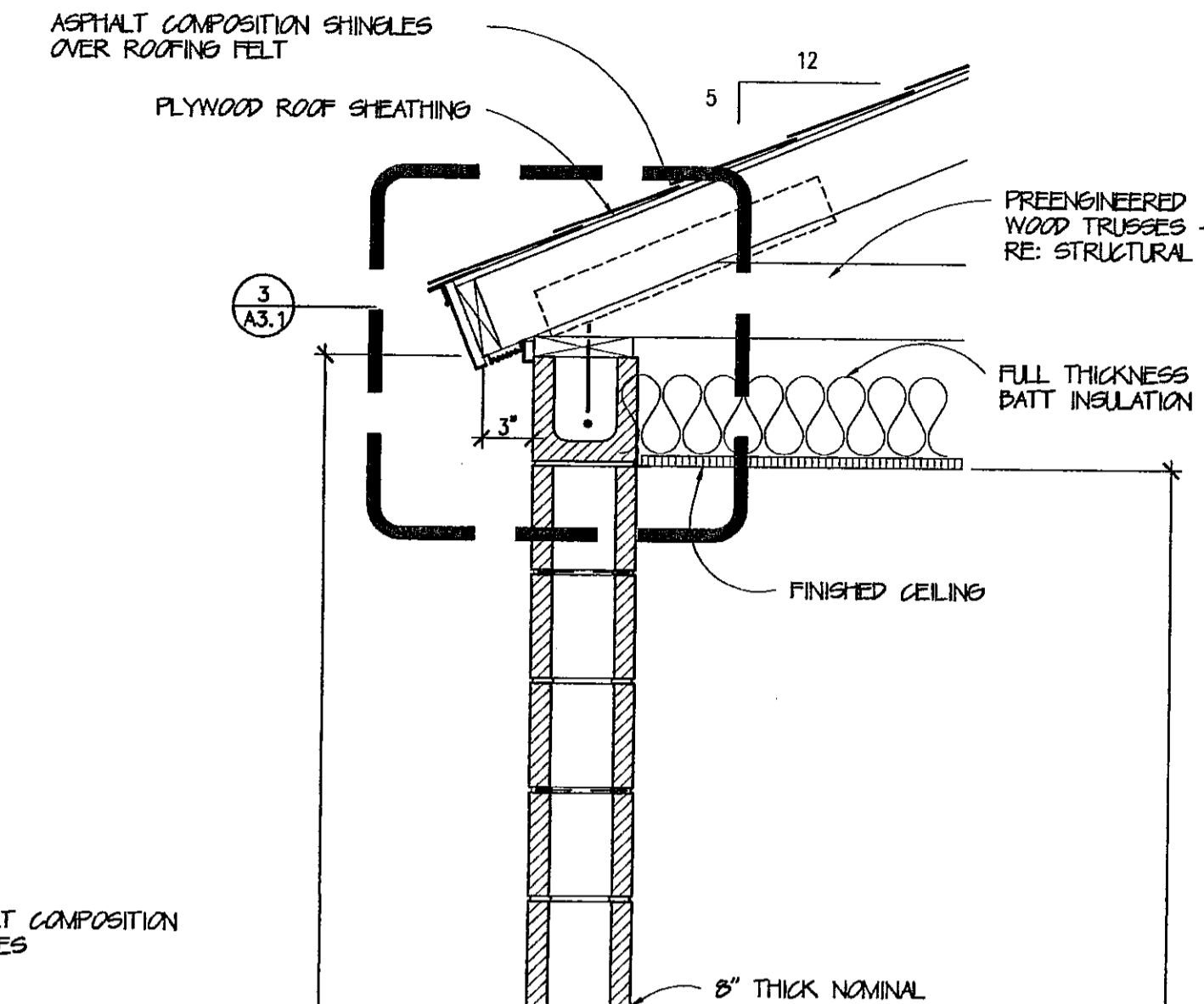
8 EXPANSION JOINT DETAIL
SCALE: N.T.S.

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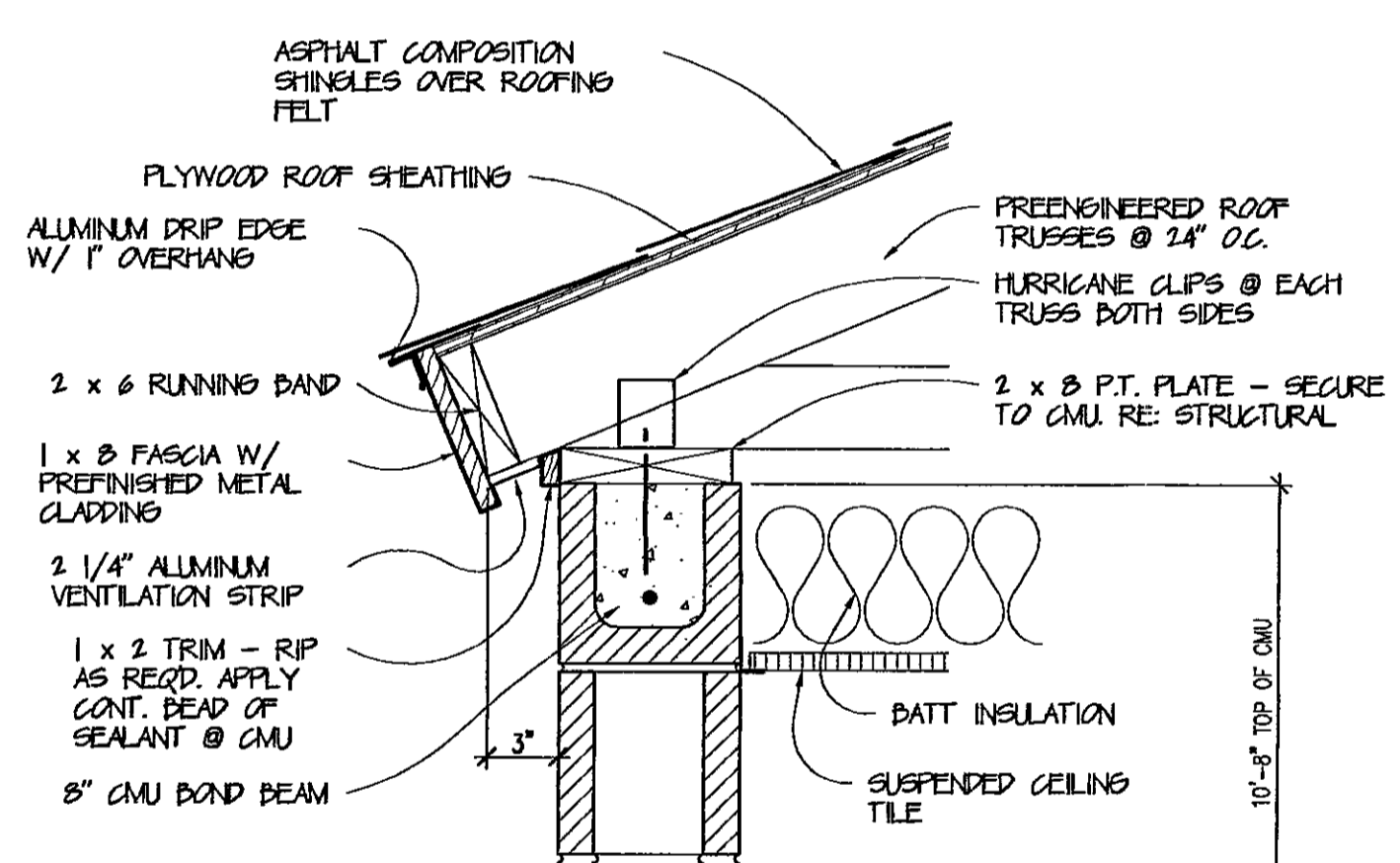
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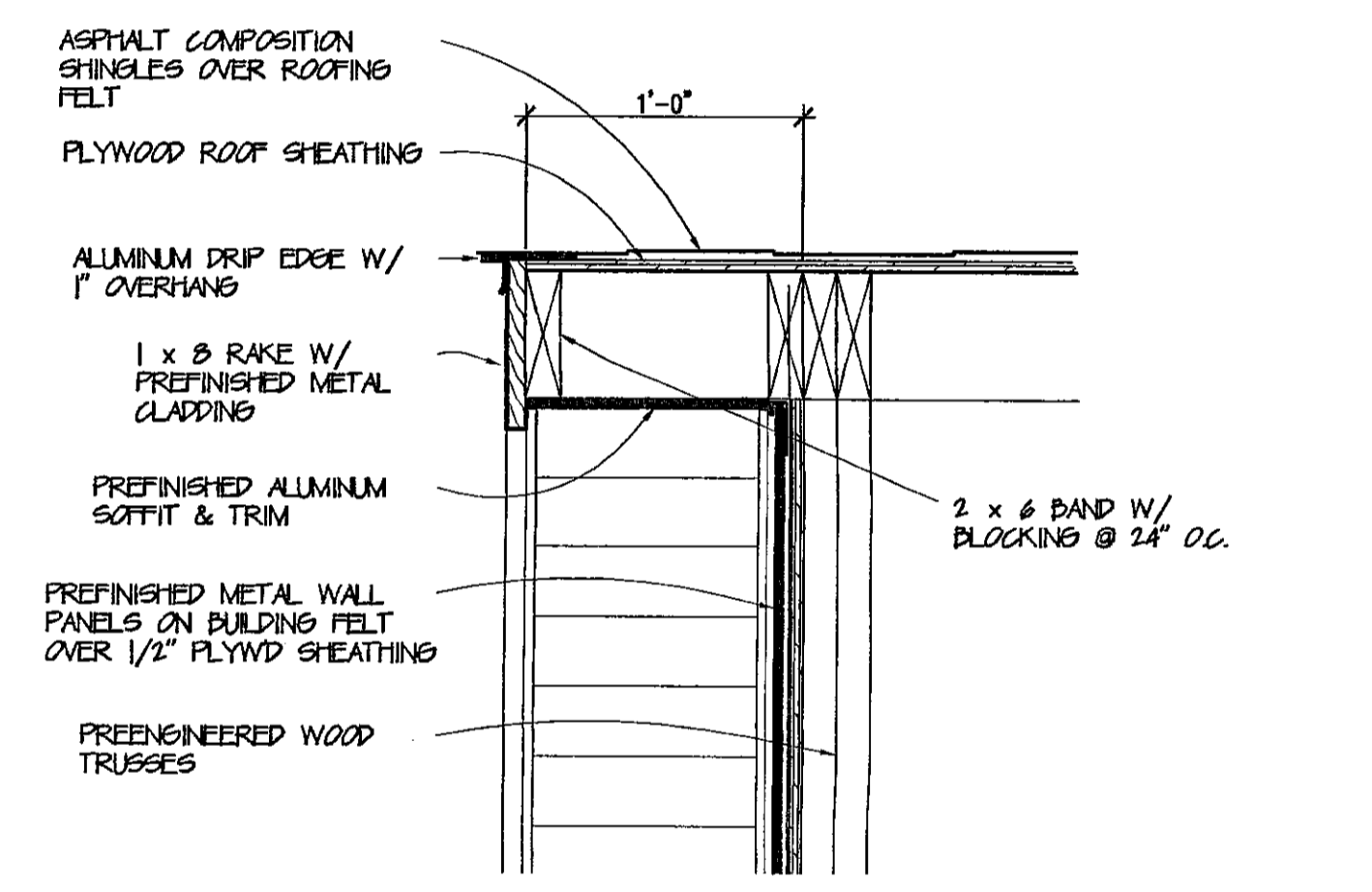
1 BUILDING CROSS SECTION
SCALE: 1/4" = 1'-0"



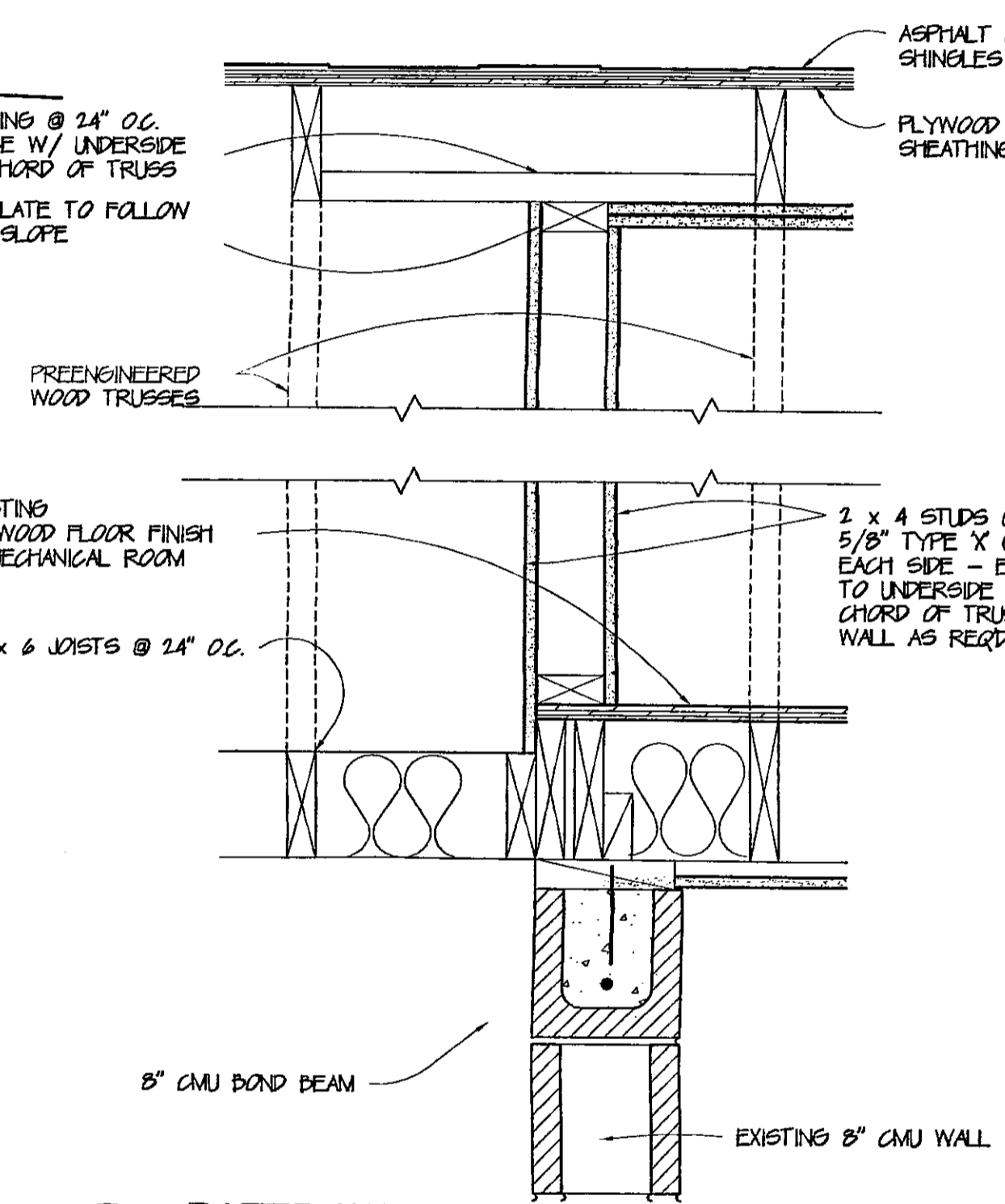
2 WALL SECTION
SCALE: 1" = 1'-0"



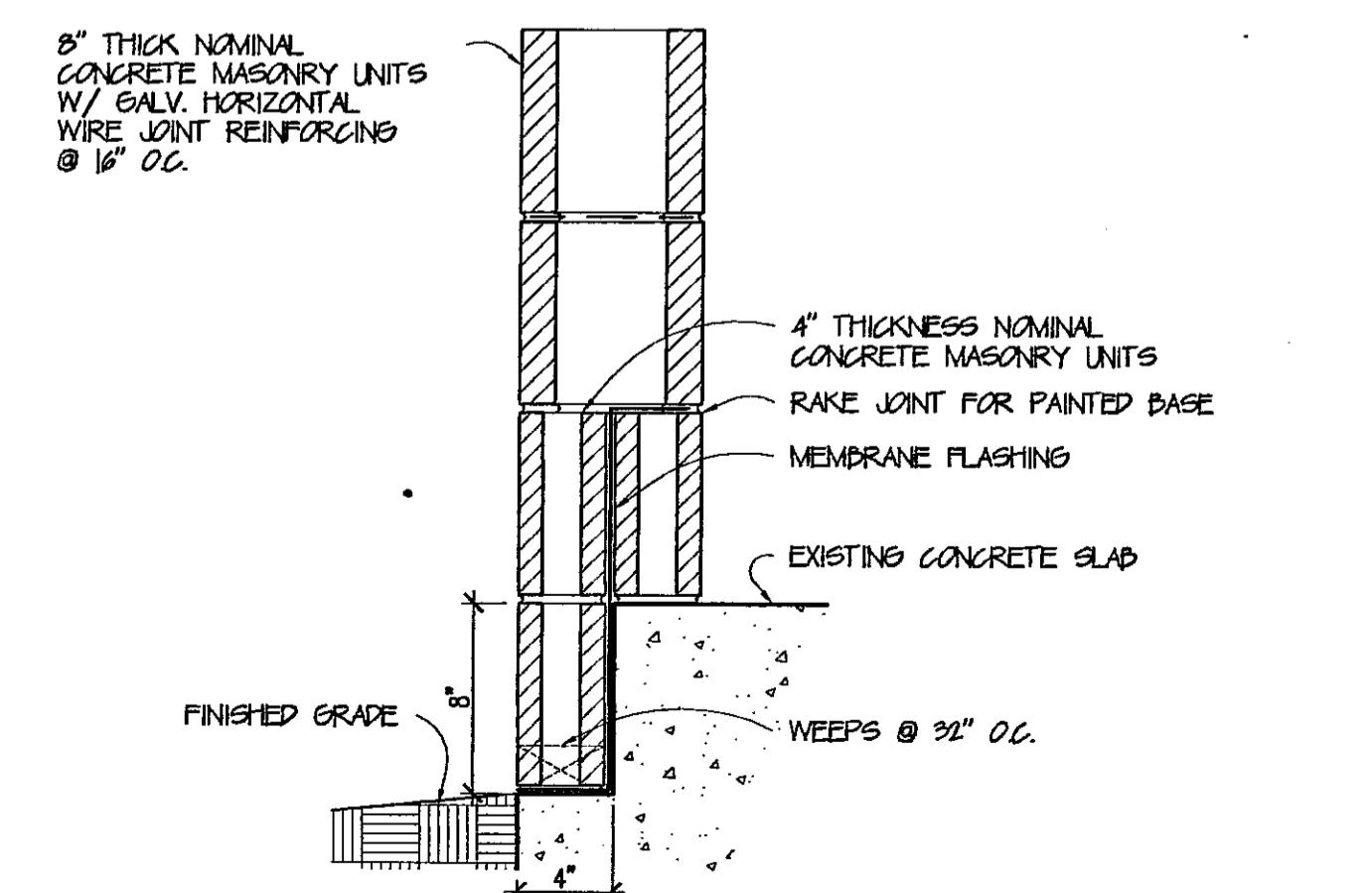
3 OVERHANG DETAIL
SCALE: 1 1/2" = 1'-0"



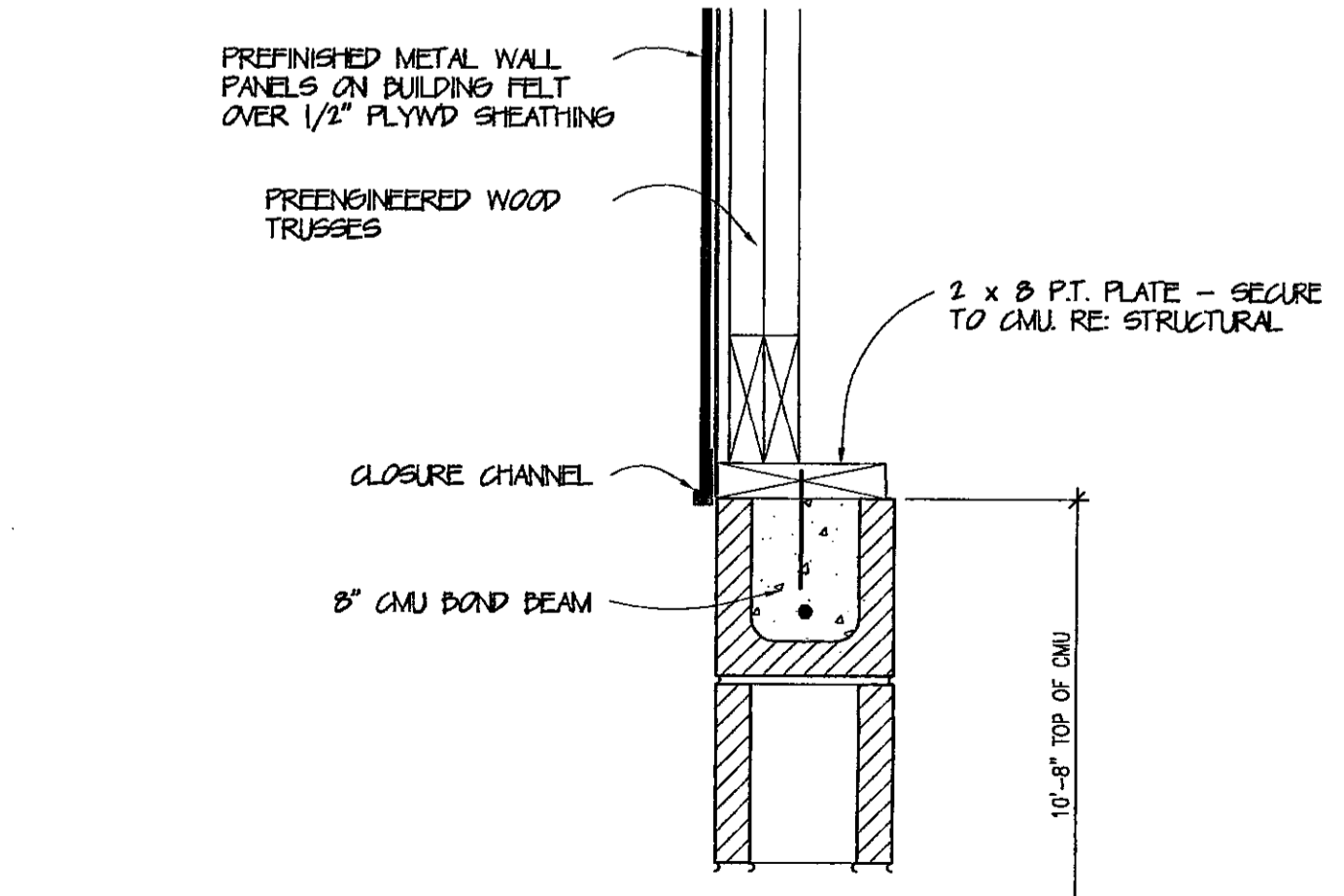
5 RAKE DETAIL
SCALE: 1 1/2" = 1'-0"



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



4 FLOOR DETAIL
SCALE: 1 1/2" = 1'-0"



6 WALL DETAIL
SCALE: 1 1/2" = 1'-0"

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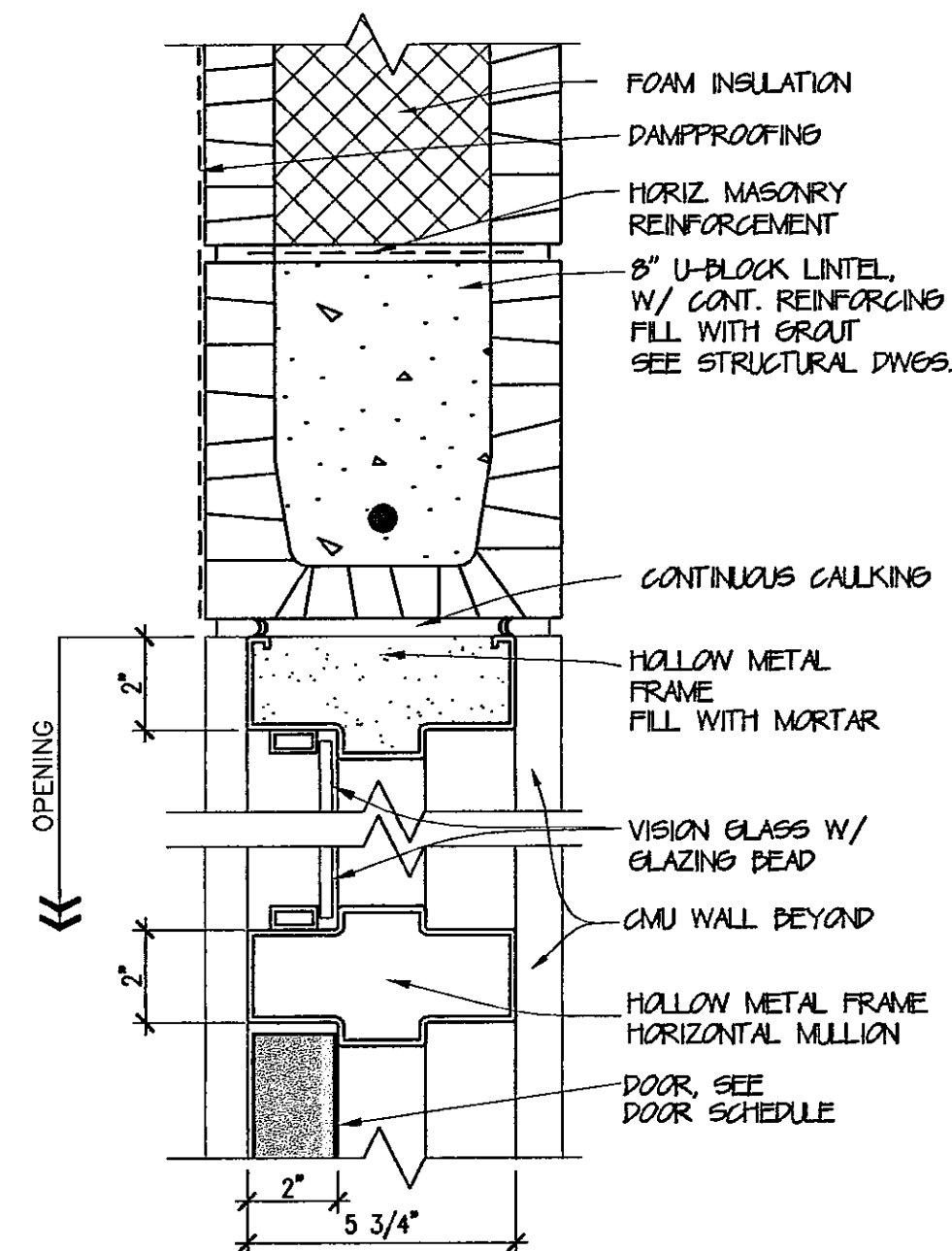


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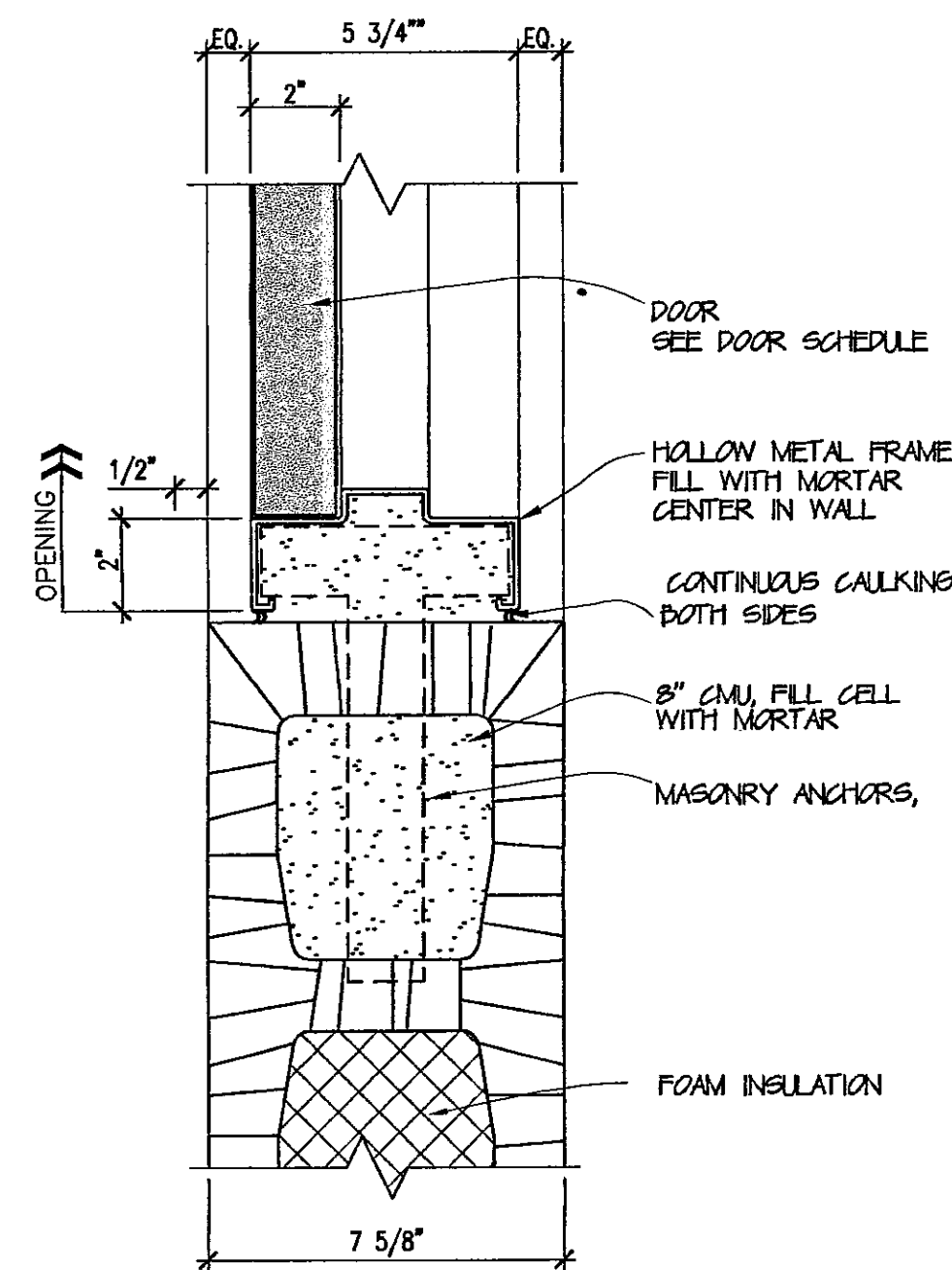
SECTIONS AND DETAILS	
Job No:	203066
Drawn by:	KPS
Checked by:	KPS
Date:	17.NOV.03
Revised:	

A3.1

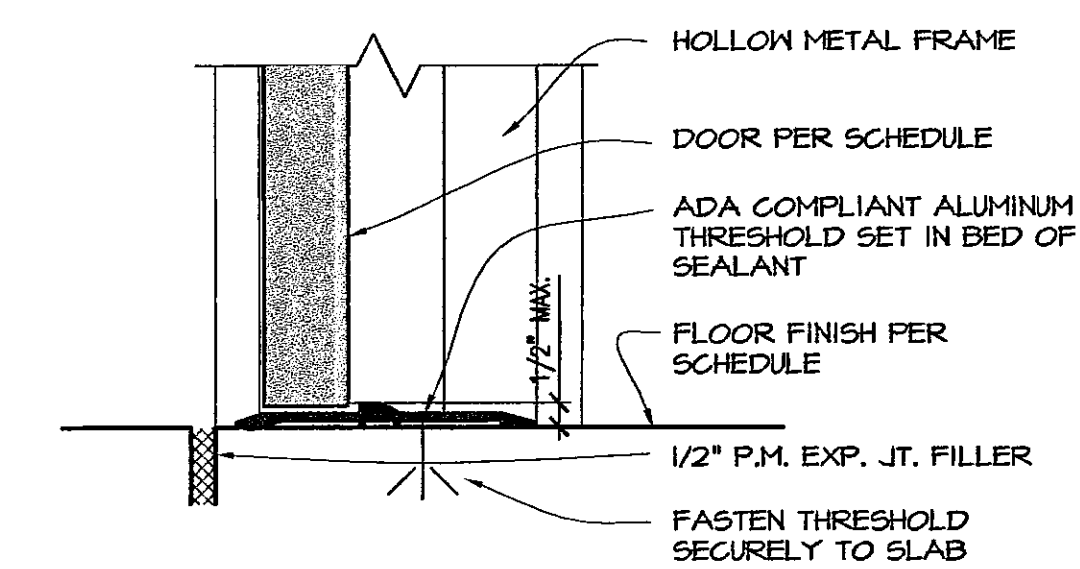
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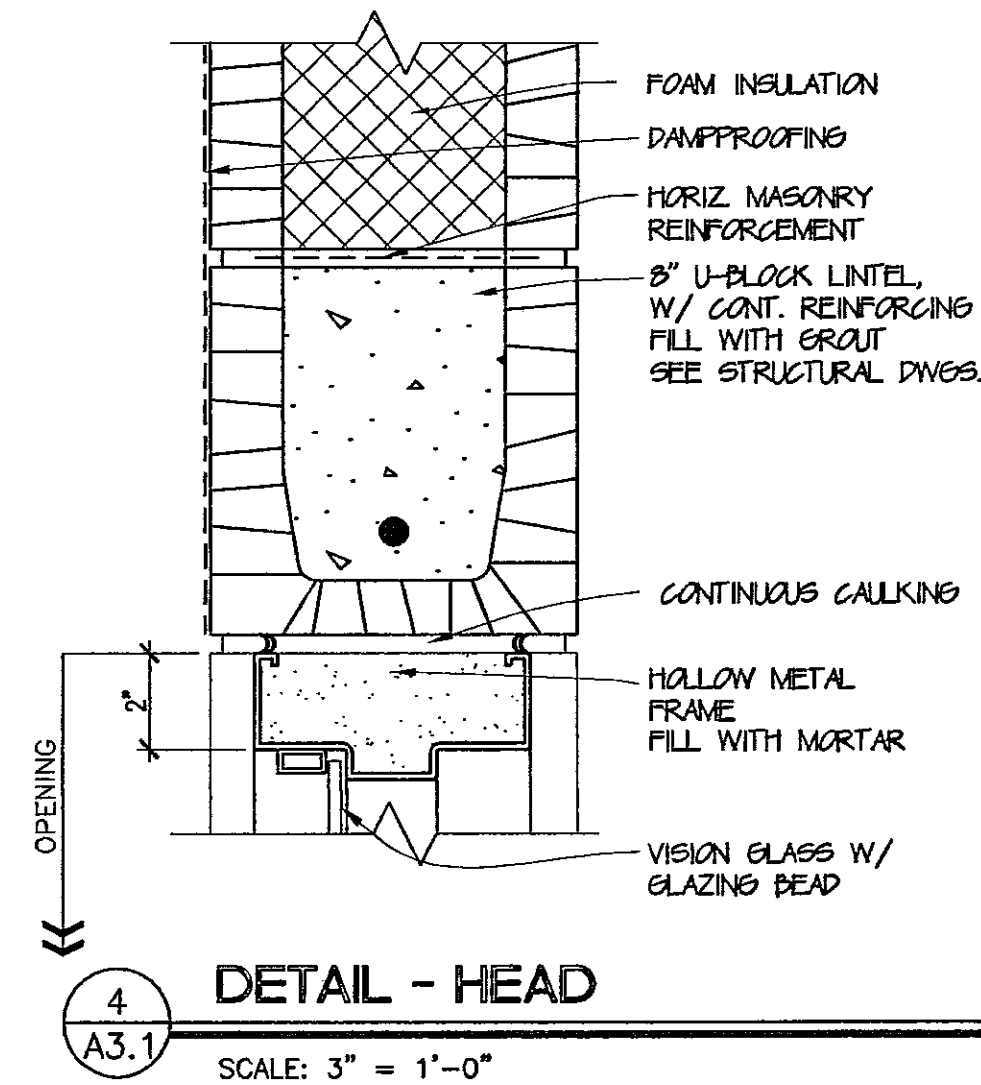
1
A3.1
DETAIL - HEAD/TRANSOM
SCALE: 3" = 1'-0"



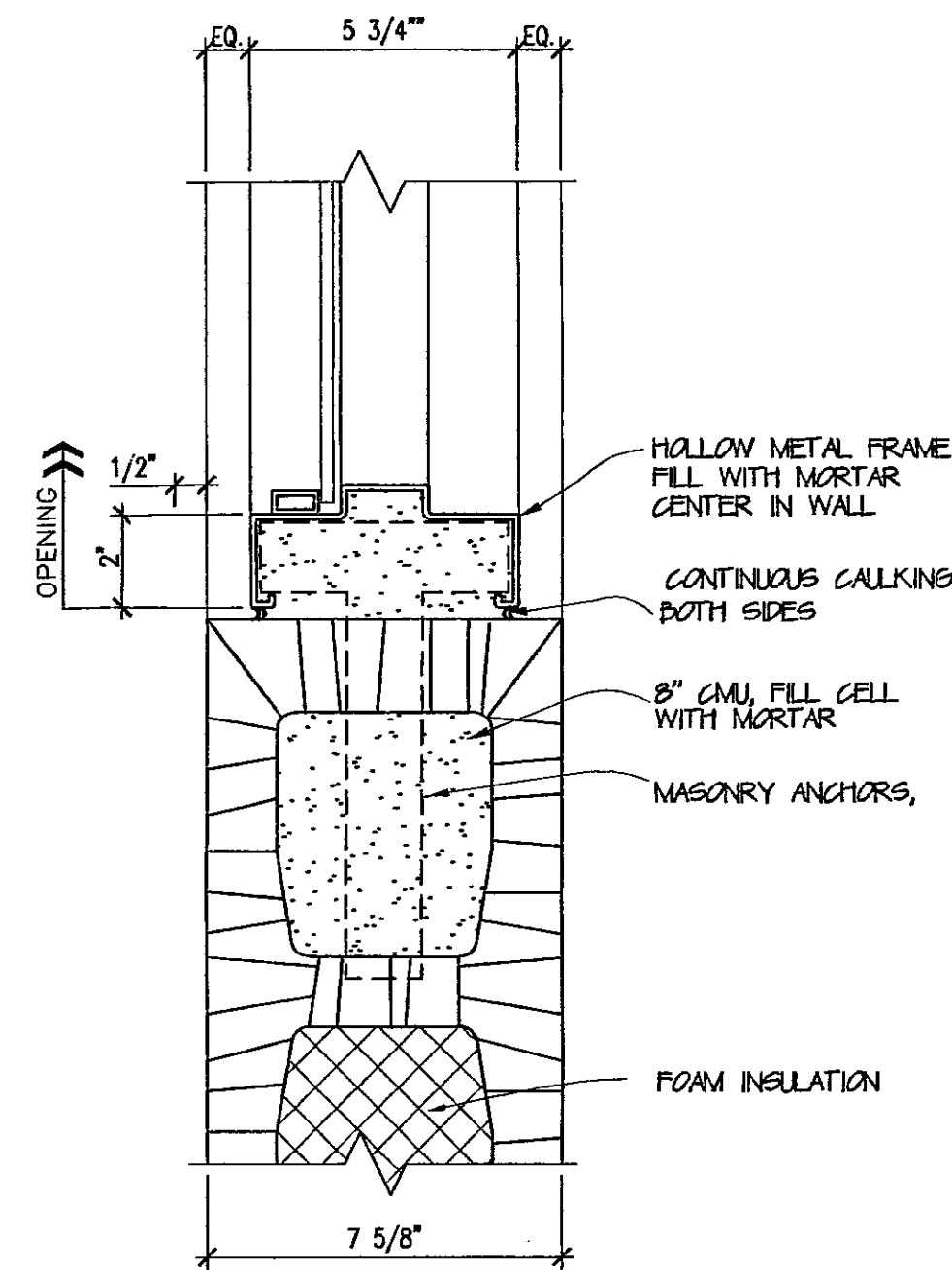
2
A3.1
DETAIL - JAMB
SCALE: 3" = 1'-0"



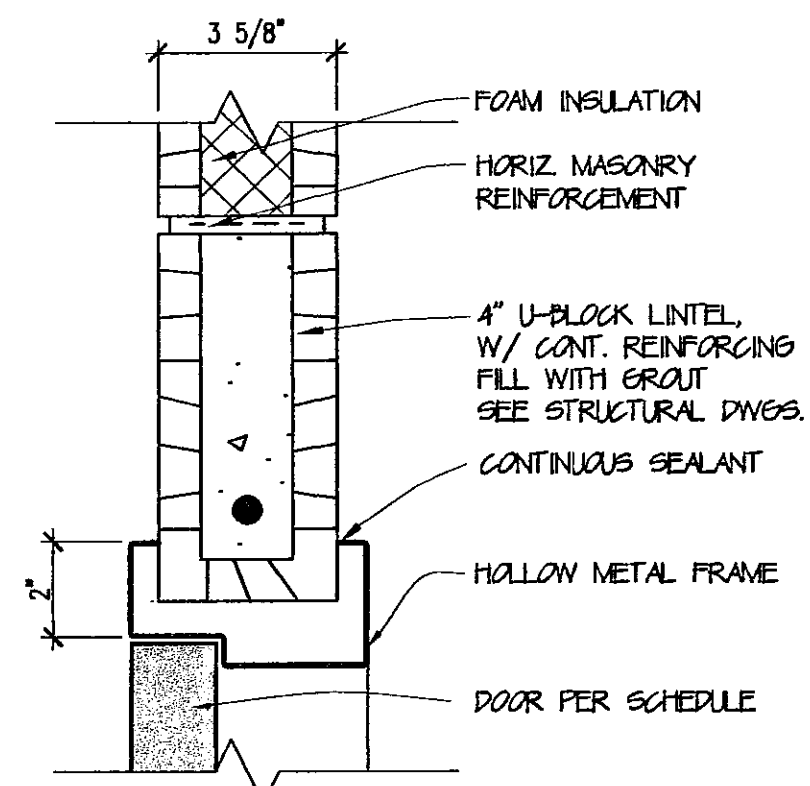
3
A3.1
DETAIL - SILL
SCALE: 3" = 1'-0"



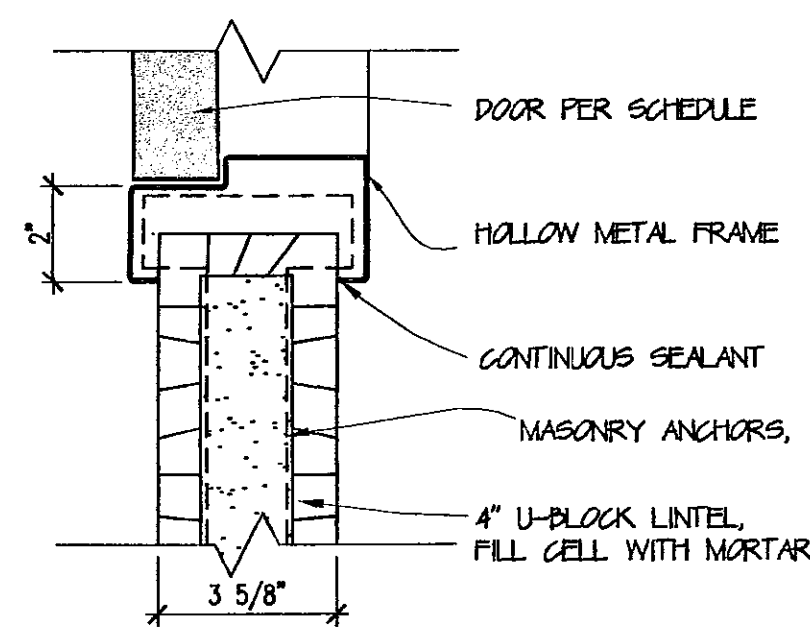
4
A3.1
DETAIL - HEAD
SCALE: 3" = 1'-0"



5
A3.1
DETAIL - JAMB
SCALE: 3" = 1'-0"



6
A3.1
DETAIL - HEAD (INTERIOR)
SCALE: 3" = 1'-0"



7
A3.1
DETAIL - JAMB (INTERIOR)
SCALE: 3" = 1'-0"

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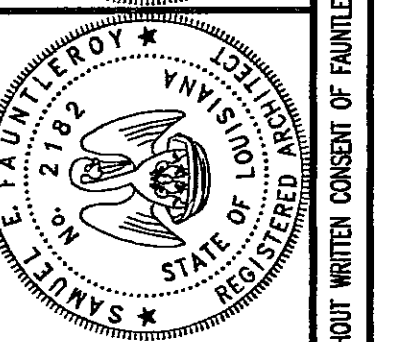
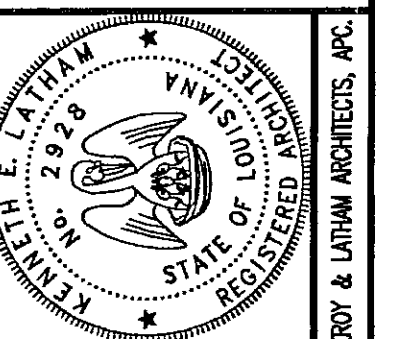
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DETAILS

Job No: 203066

Drawn by: MAH
Checked by: KPS
Date: 17.NOV.03
Revised:

A3.2

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GENERAL NOTES

1. DESIGN LOADS

Roof	Live Load	16 psf
	Dead Load	8 psf
Ceiling	Live Load	10 psf
	Dead Load	6 psf
First Floor	Live Load	100 psf
	Dead Load	66 psf

2. CONCRETE MASONRY UNITS

All concrete masonry work shall conform to ACI 531.1 Specification for Masonry Construction.
 Concrete Masonry Units - ASTM C90, grade N, type 1, lightweight units.
 Mortar - ASTM C270, type S.
 Grout - ASTM C476.
 Reinforcing Steel - ASTM 615 grade 60, wire steel shall be ASTM A82.
 Reinforcing Details Hook horizontal bars at non-continuous ends of bond beams. Extend vertical bars into horizontal bond beams. Secure vertical reinforcing at intervals not to exceed 192 bar diameter or 10 feet.
 Lap reinforcing as indicated below:
 Lap splices #5 - 2'0"
 Wire joint reinforcing - 1'0"
 Provide the following cover for reinforcing:
 Bars 2"
 Joint reinforcing 5/8"
 The masonry assemblage shall achieve a unit strength (fm') = 1440 psi.

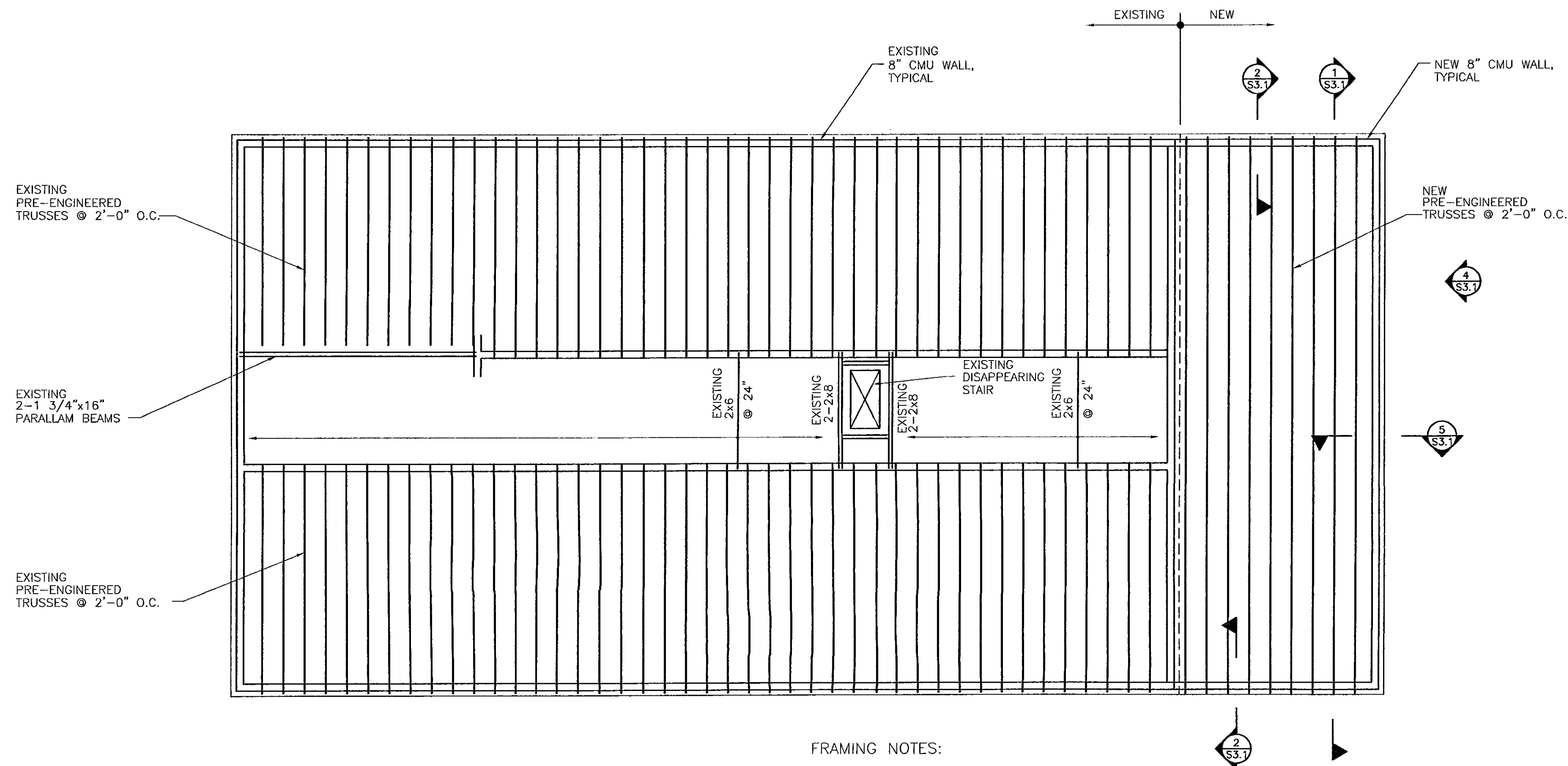
3. PRE-ENGINEERED TRUSSES

Trusses shall be designed to meet the requirements of the National Design Specification by the NFPA and support the following loads across the entire span:

Roof live load	16 psf
Ceiling live load	10 psf
Wind load	per Standard Building Code

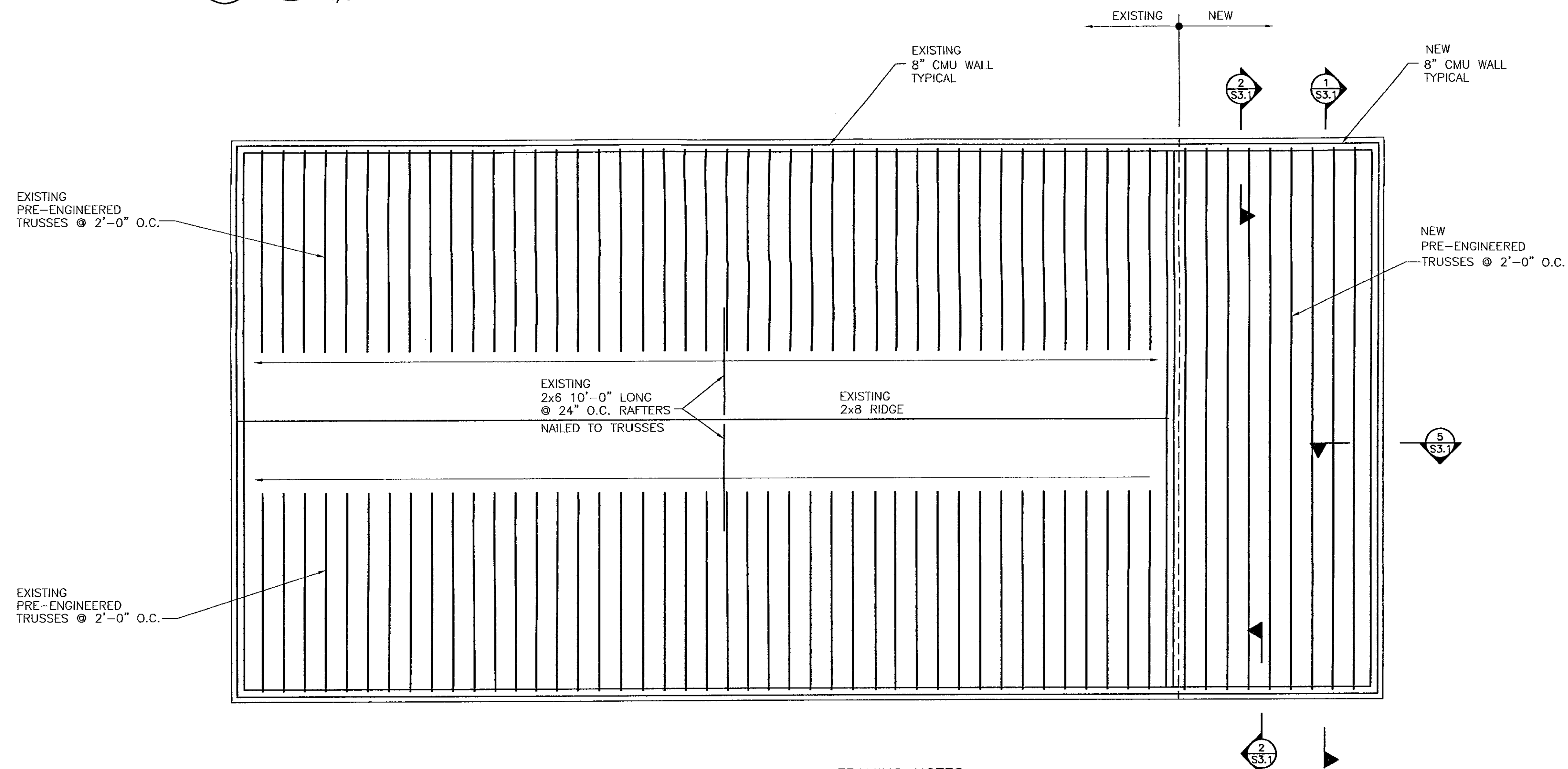
4. WOOD FRAMING

All wood framing fabrication and erection shall conform to the National Design Specification for Wood Construction by the NFPA, the Plywood Design Specification by the APA and meet the requirements below. Unless noted otherwise all wood connections shall be in accordance with the fastening schedule of the Standard Building Code. All lumber in contact with concrete or masonry shall be treated.
 Framing Lumber - Southern Yellow Pine, S4S, No. 2, maximum moisture content 19%.
 Plywood Roofing - APA rated 32/16, 5/8" thick. Nail with 8d nails spaced at 6" o.c. at panel ends and 12" o.c. at intermediate supports.



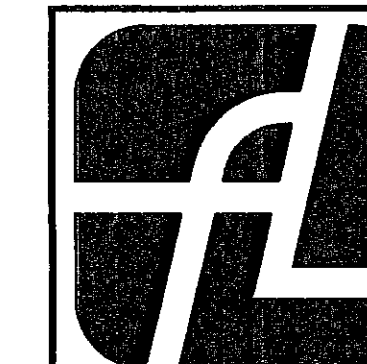
1
S2.1
CEILING FRAMING PLAN
1/8" = 1'-0"

FRAMING NOTES:
 1. SEE DETAIL 3/S3.1 FOR DETAIL OF LINTELS IN BLOCK WALLS OVER OPENINGS.



2
S2.1
ROOF FRAMING PLAN
1/8" = 1'-0"

FRAMING NOTES:
 1. SEE DETAIL 3/S3.1 FOR DETAIL OF LINTELS IN BLOCK WALLS OVER OPENINGS.



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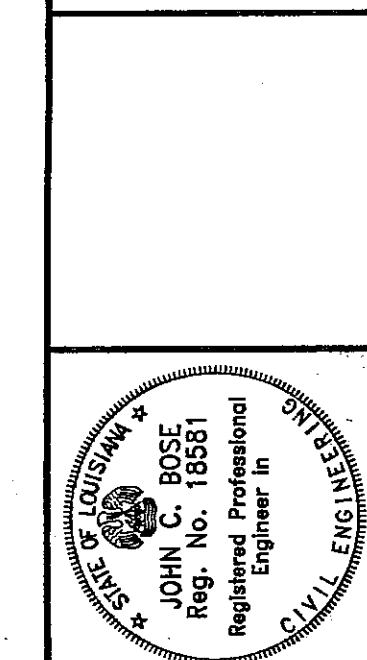
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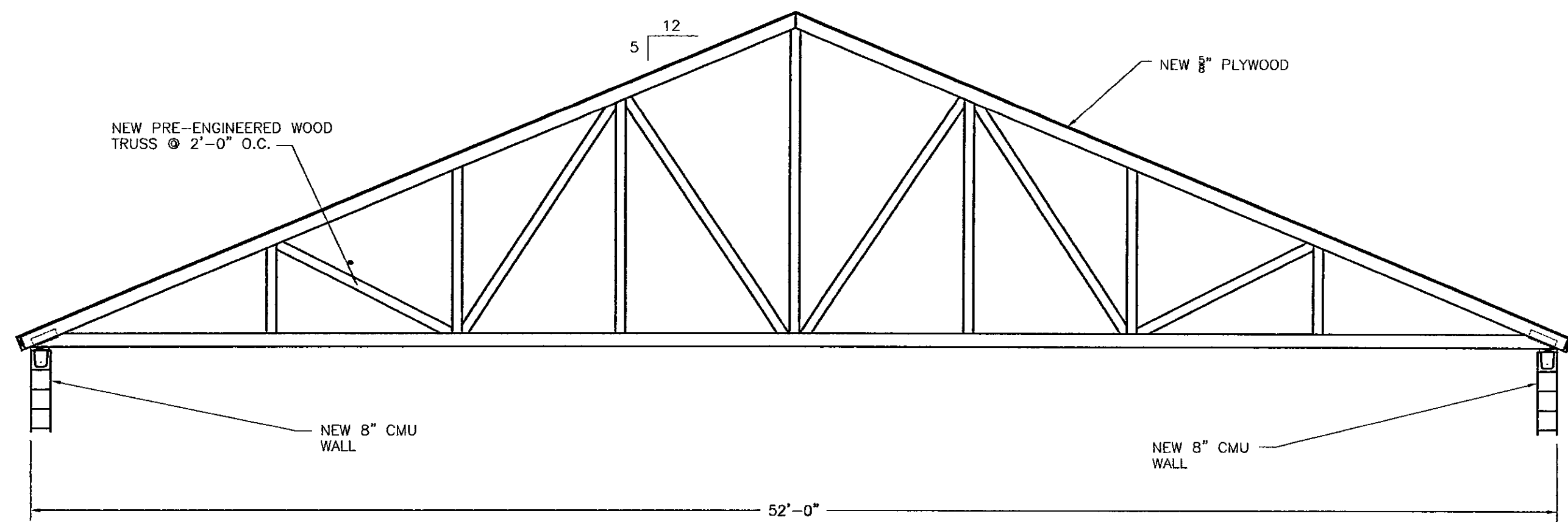
CEILING AND ROOF
FRAMING PLANS

Job No: 203066

Drawn by: JCB Checked by:

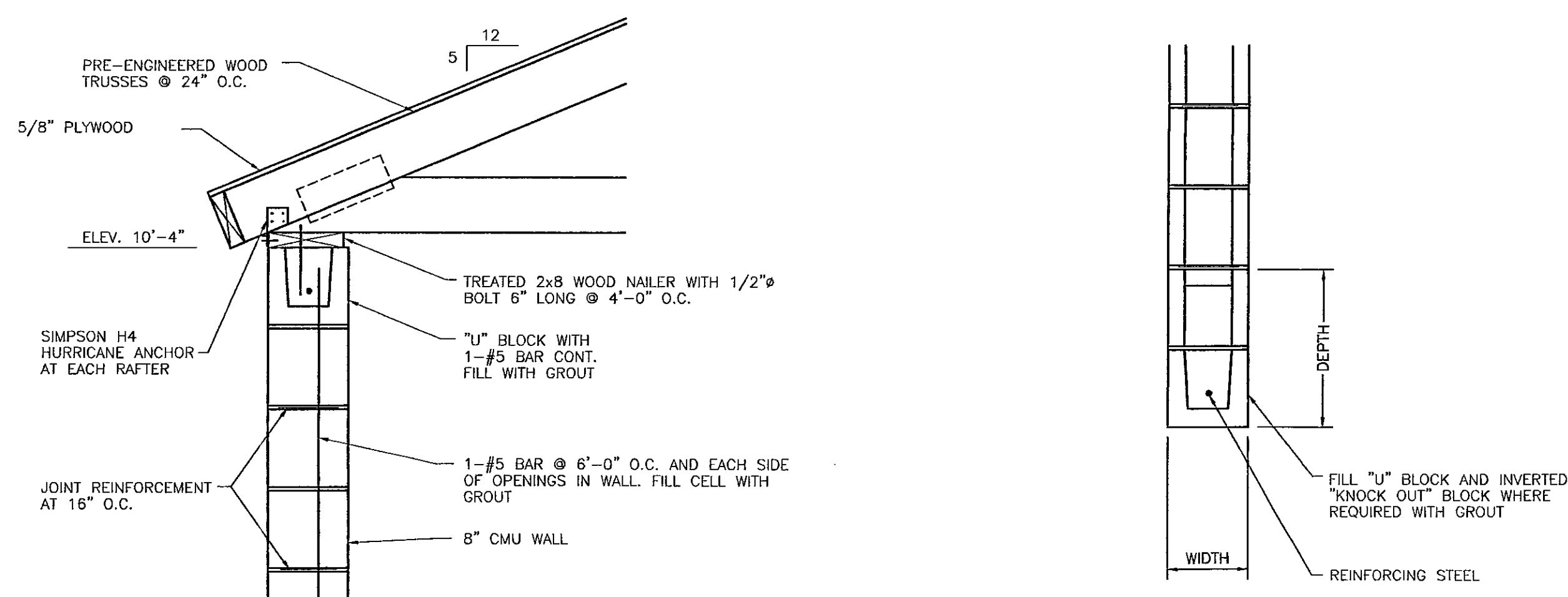
Date: 17.NOV.03 Revised:

S2.1



1 SECTION

S2.1 1/4" = 1'-0"



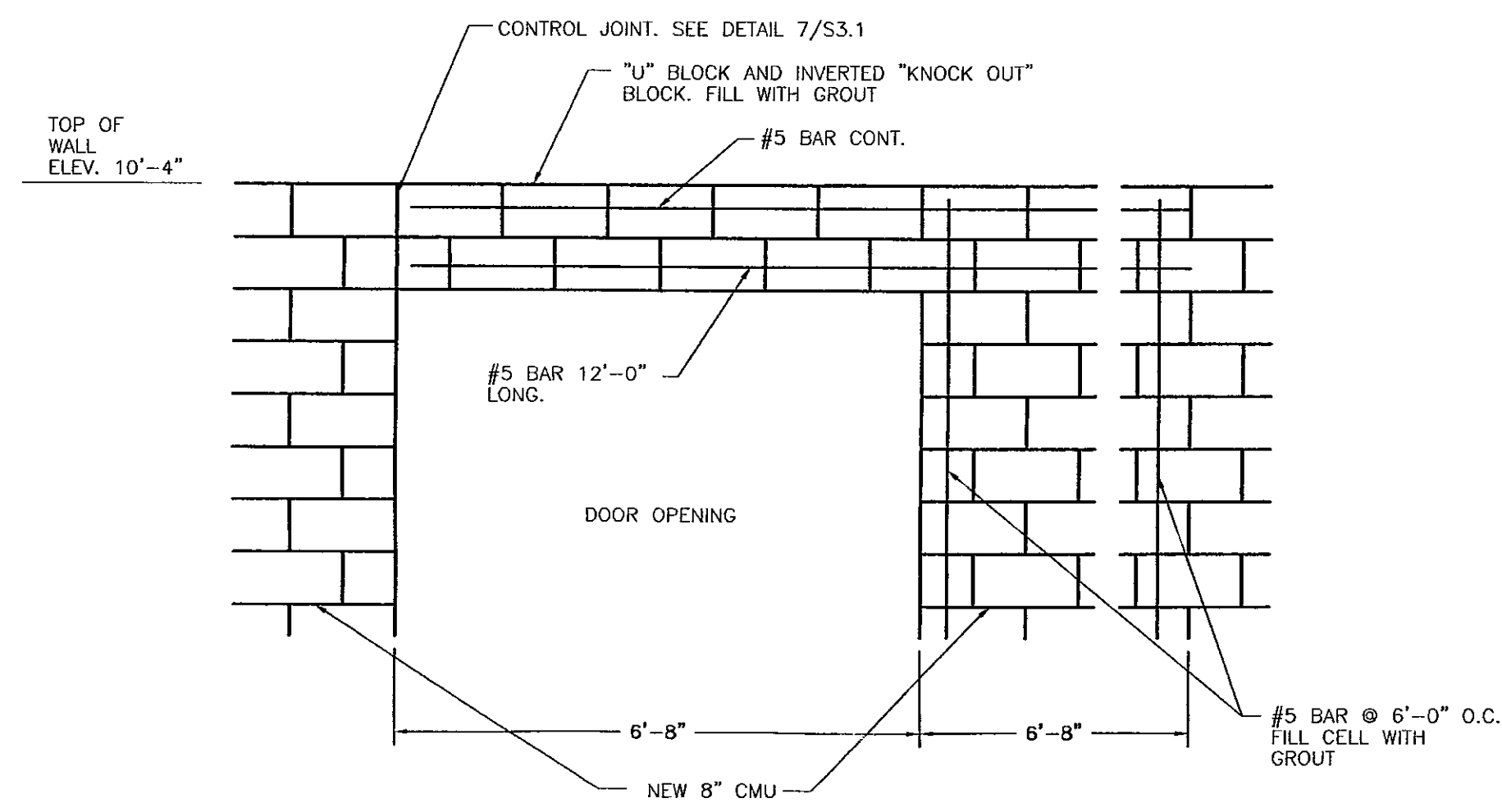
2 SECTION

S2.1 1" = 1'-0"

LINTEL SCHEDULE			
SIZE OF BLOCK	SIZE OF OPENING (SPAN)	DEPTH	REINFORCING
8"	0' TO 6'-4"	8"	1 - #5
8"	6'-4" TO 12'-0"	16"	2 - #5

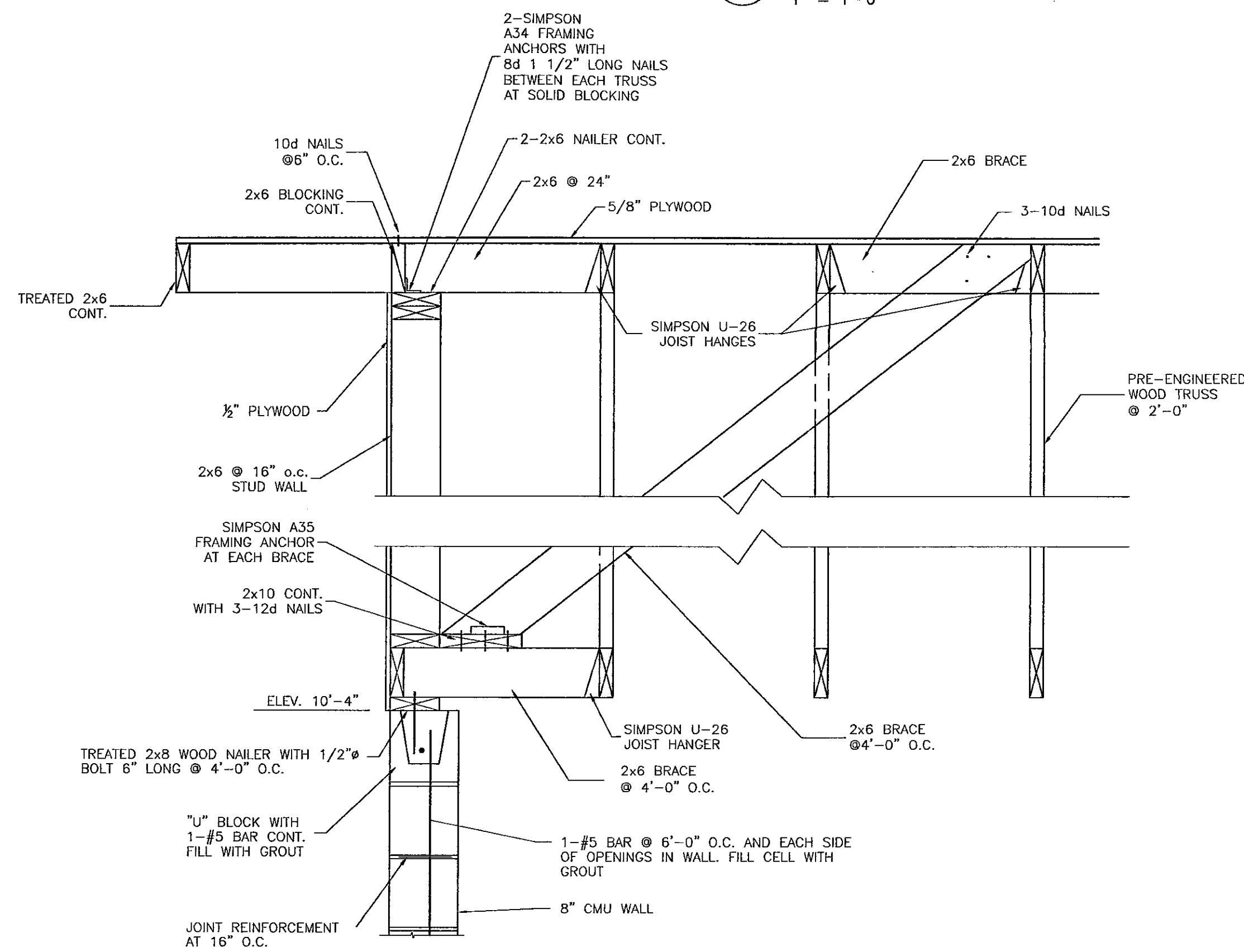
3 TYPICAL CMU LINTEL

S2.1 1" = 1'-0"



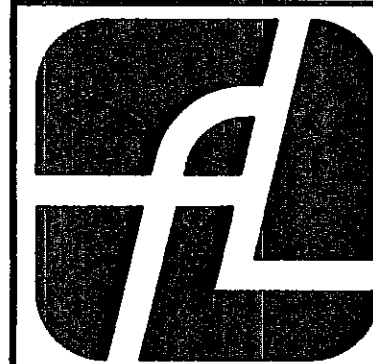
4 ELEVATION

S2.1 1/2" = 1'-0"



5 SECTION

S2.1 1" = 1'-0"



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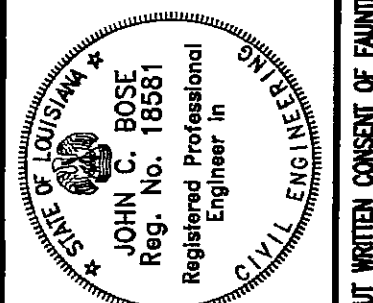
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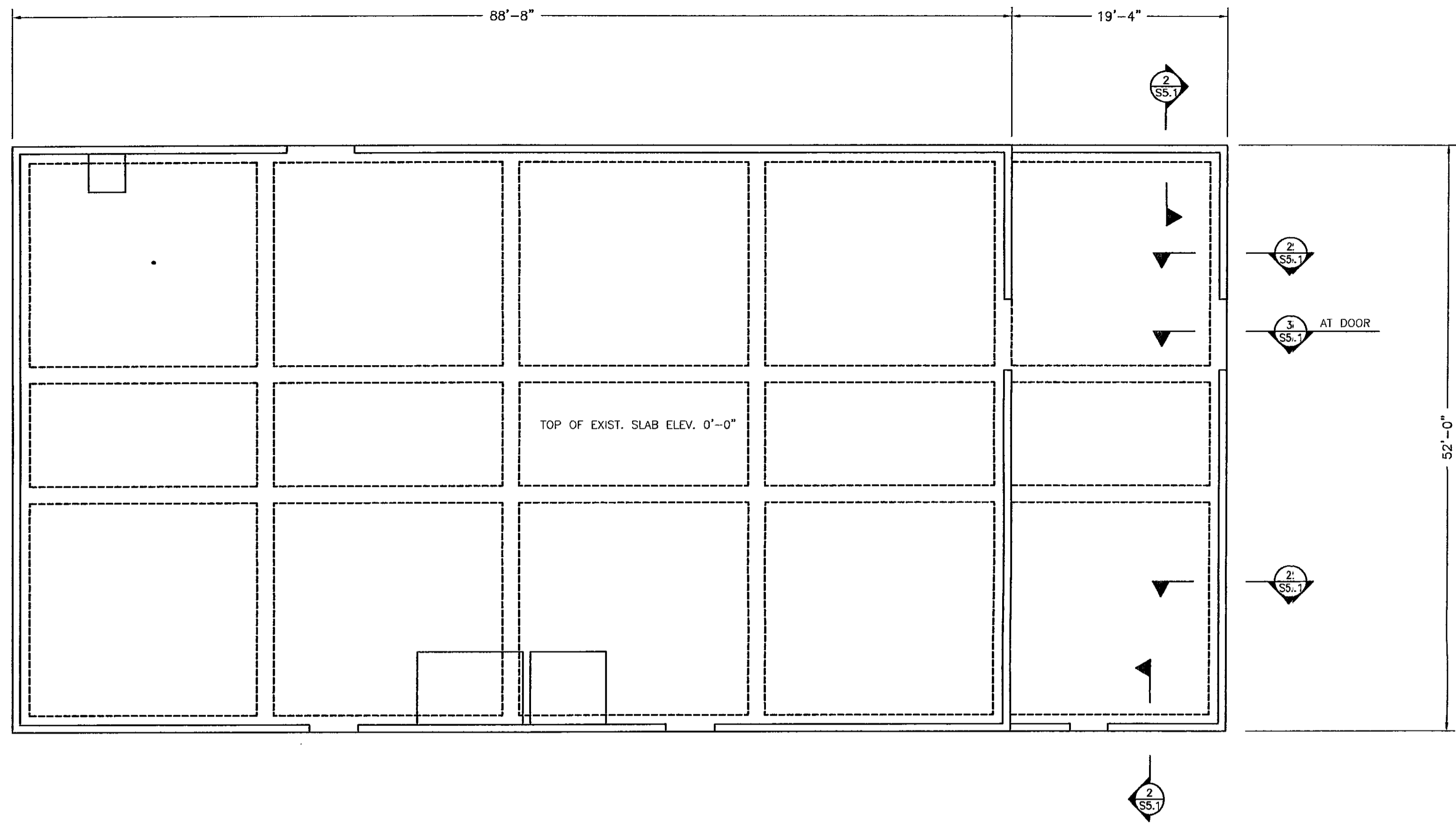


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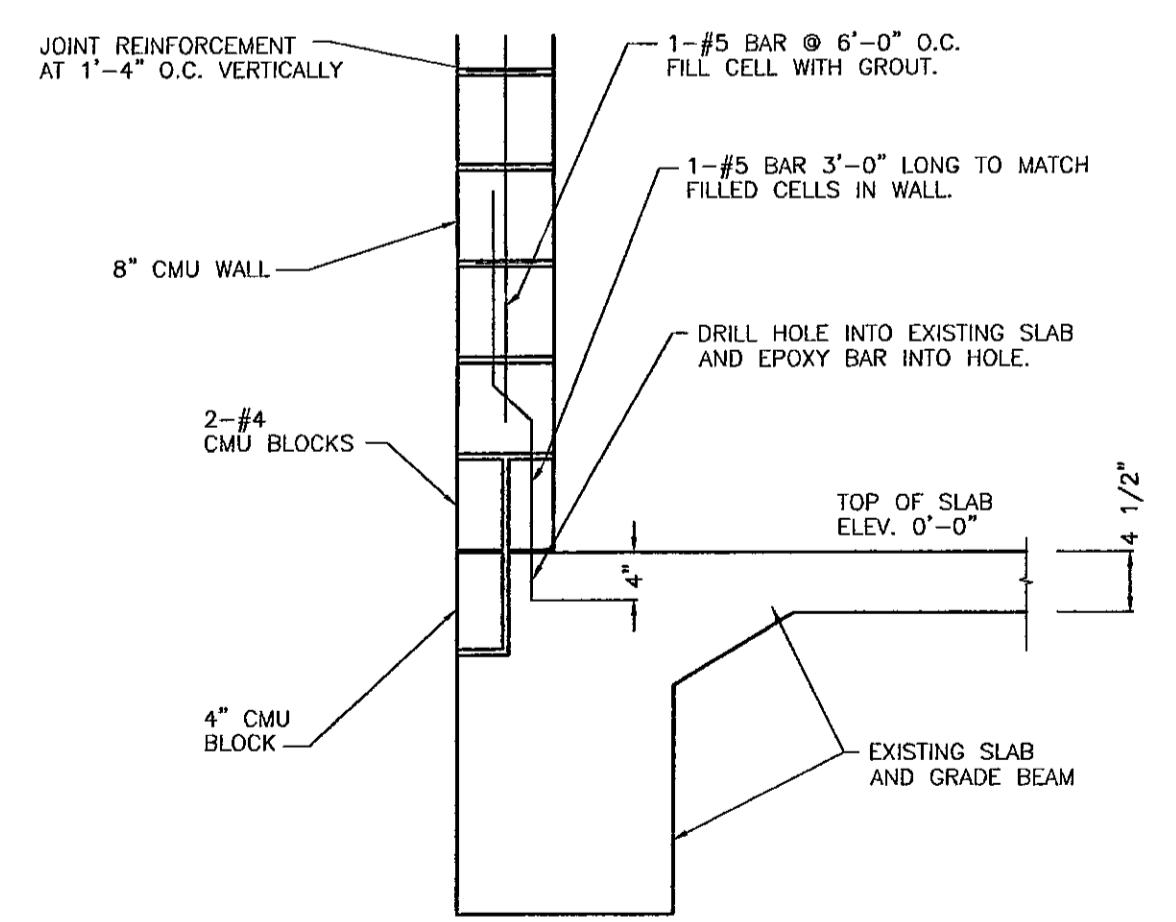
FRAMING DETAILS

Job No: 203066
Drawn by: DMP
Checked by: JCB
Date: 17.NOV.03
Revised:

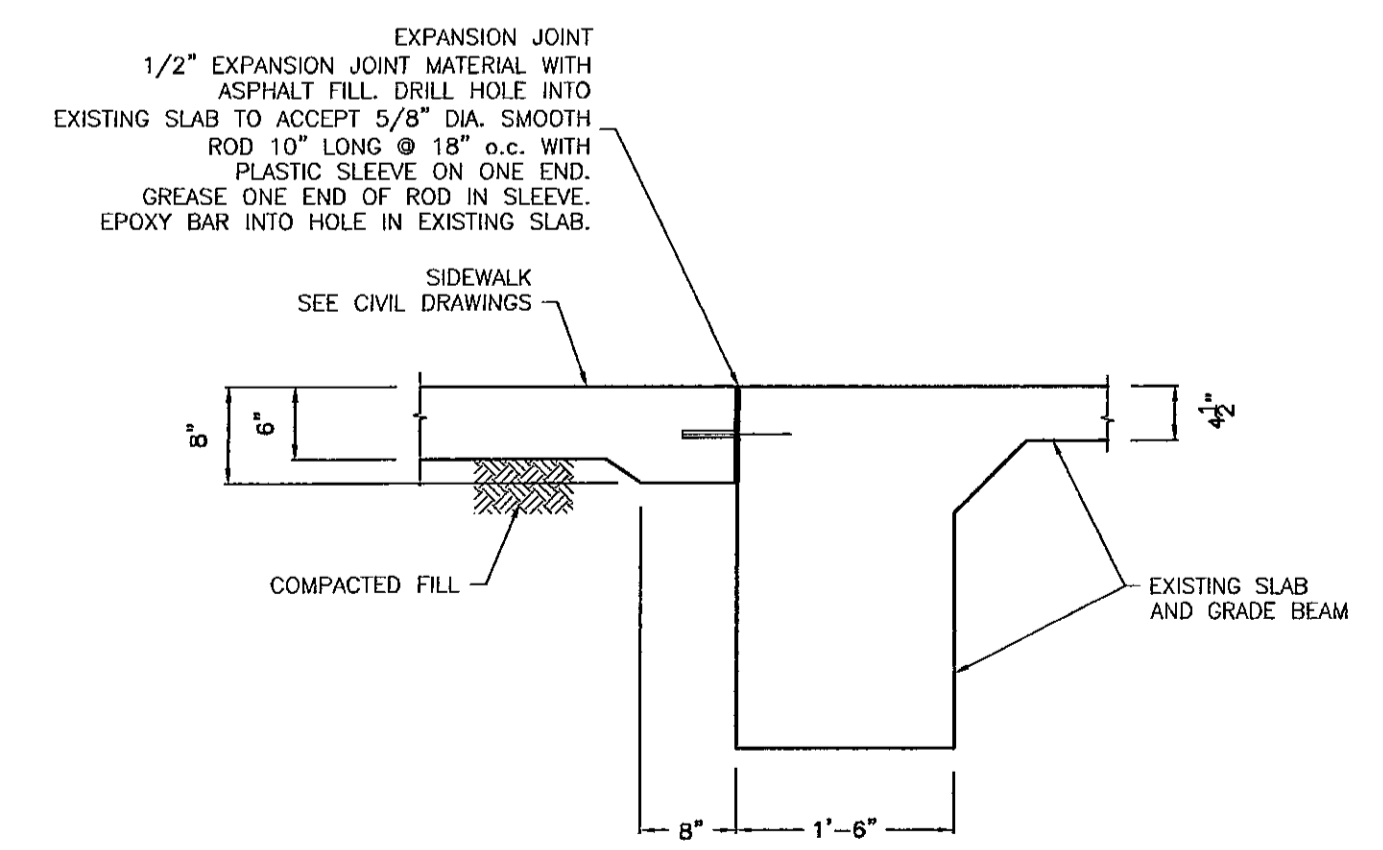
S3.1



1 FOUNDATION PLAN
 S5.1 1/8" = 1'-0"



2 SECTION
 S5.1 3/4" = 1'-0"



3 SECTION
 S5.1 3/4" = 1'-0"

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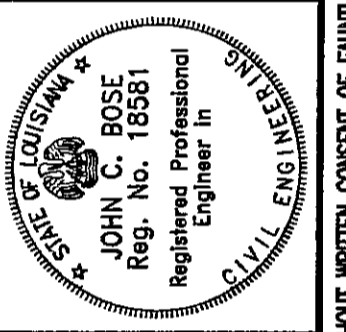
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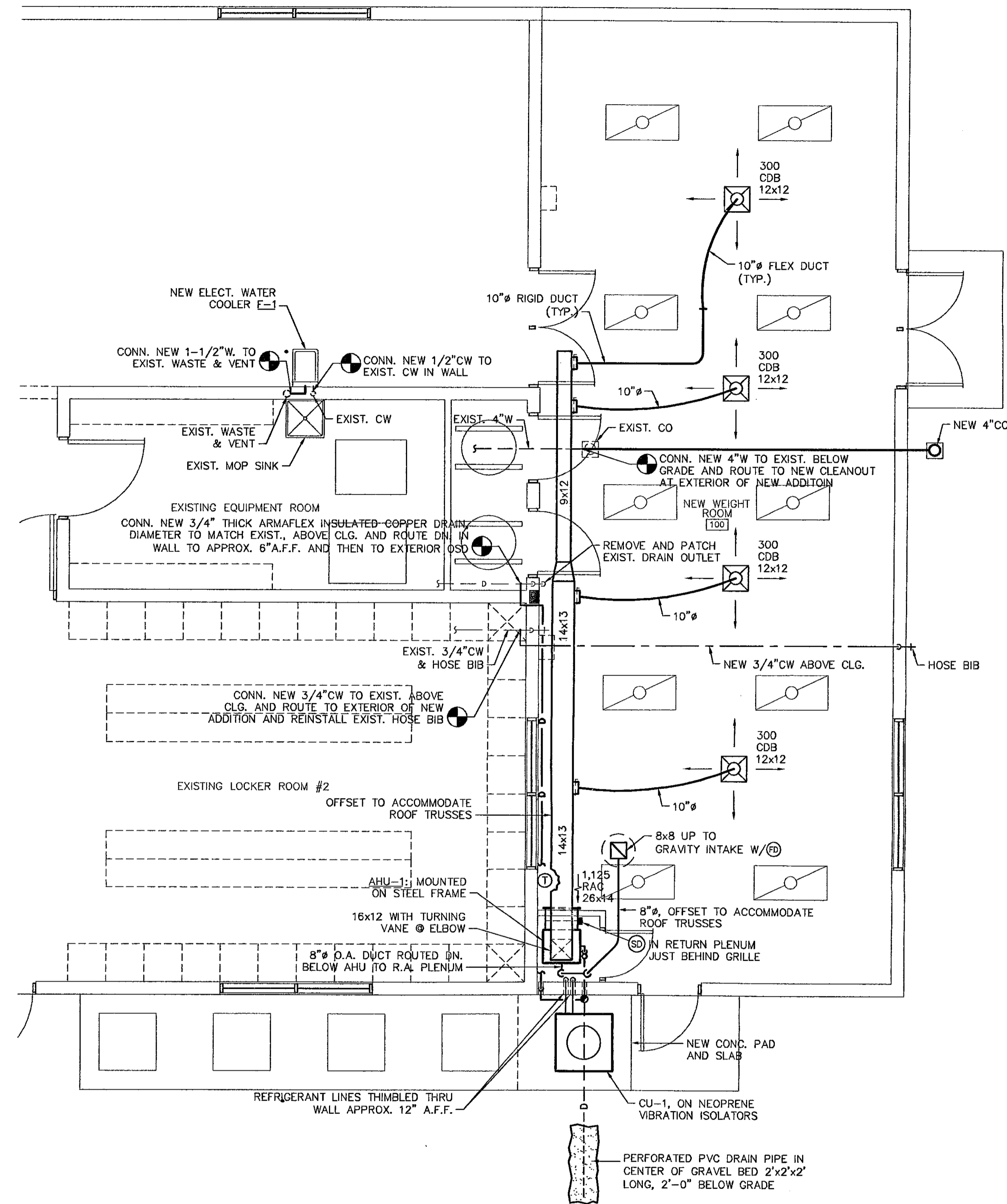
FOUNDATION PLAN
 & SECTIONS

Job No: 203066

Drawn by: DMP
 Checked by: JCB
 Date: 17 NOV.03
 Revised:

S5.1

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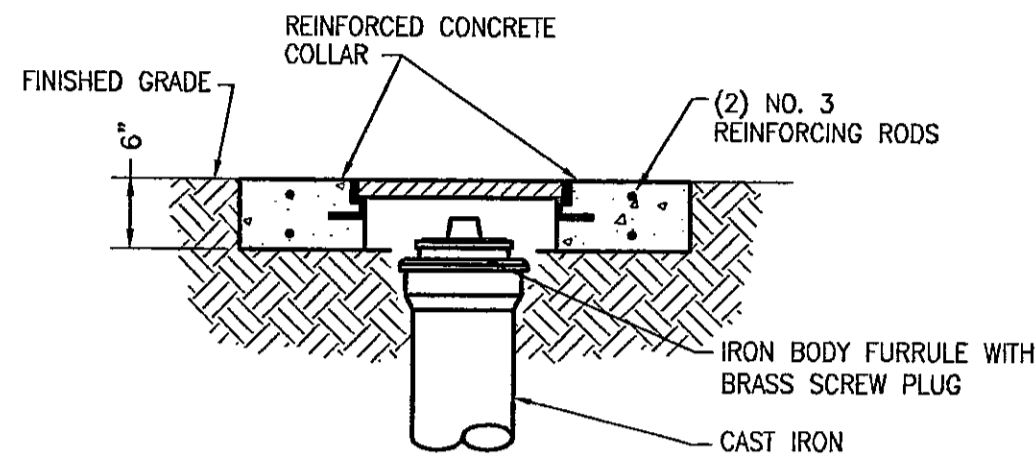
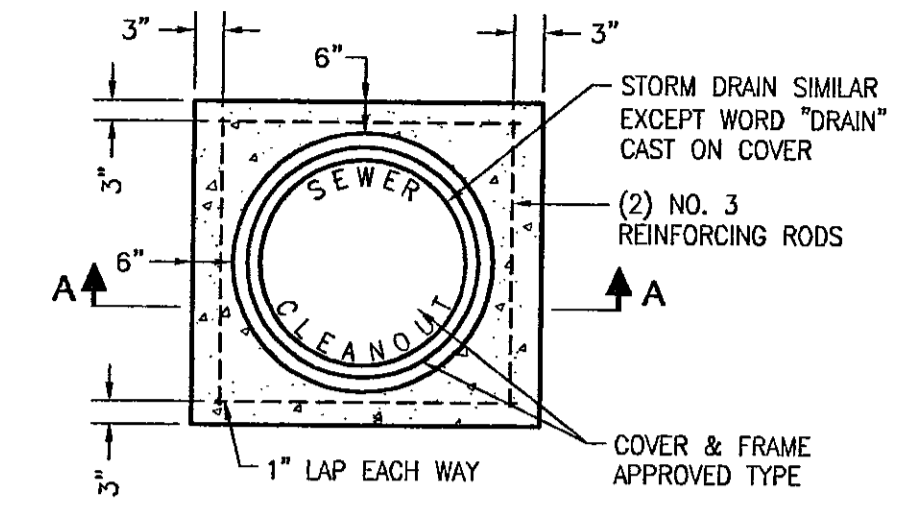


MECHANICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
---	WASTE PIPING
---	VENT PIPING
---	DOMESTIC COLD WATER PIPING
D	EQUIPMENT DRAIN PIPING
RS	REFRIGERANT SUCTION PIPING
RL	REFRIGERANT LIQUID PIPING
⊗	GATE VALVE
⊙	BALL VALVE
⊘	SPIN-IN DAMPER WITH ROUND RIGID TO FLEX DUCT TRANSITION
⊞	SUPPLY DUCT OR DIFFUSER
⊞	RETURN, OUTSIDE AIR, OR EXHAUST AIR DUCT OR GRILLE
⊞	TYP. AIR GRILLE INDICATING FLOW PATTERN, CFM, GRILLE TYPE & NECK SIZE
FD	FIRE DAMPER
SD	SMOKE DETECTOR
⊙ _{AC-1}	THERMOSTAT WITH RESPECTIVE UNIT DESIGNATION
⊙ _{1/2"}	UNDERCUT DOOR 1/2"
⊙	POINT OF CONNECTION; NEW TO EXISTING
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
CDA, RAA, ETC.	GRILLE DESIGNATIONS
CO	CLEANOUT

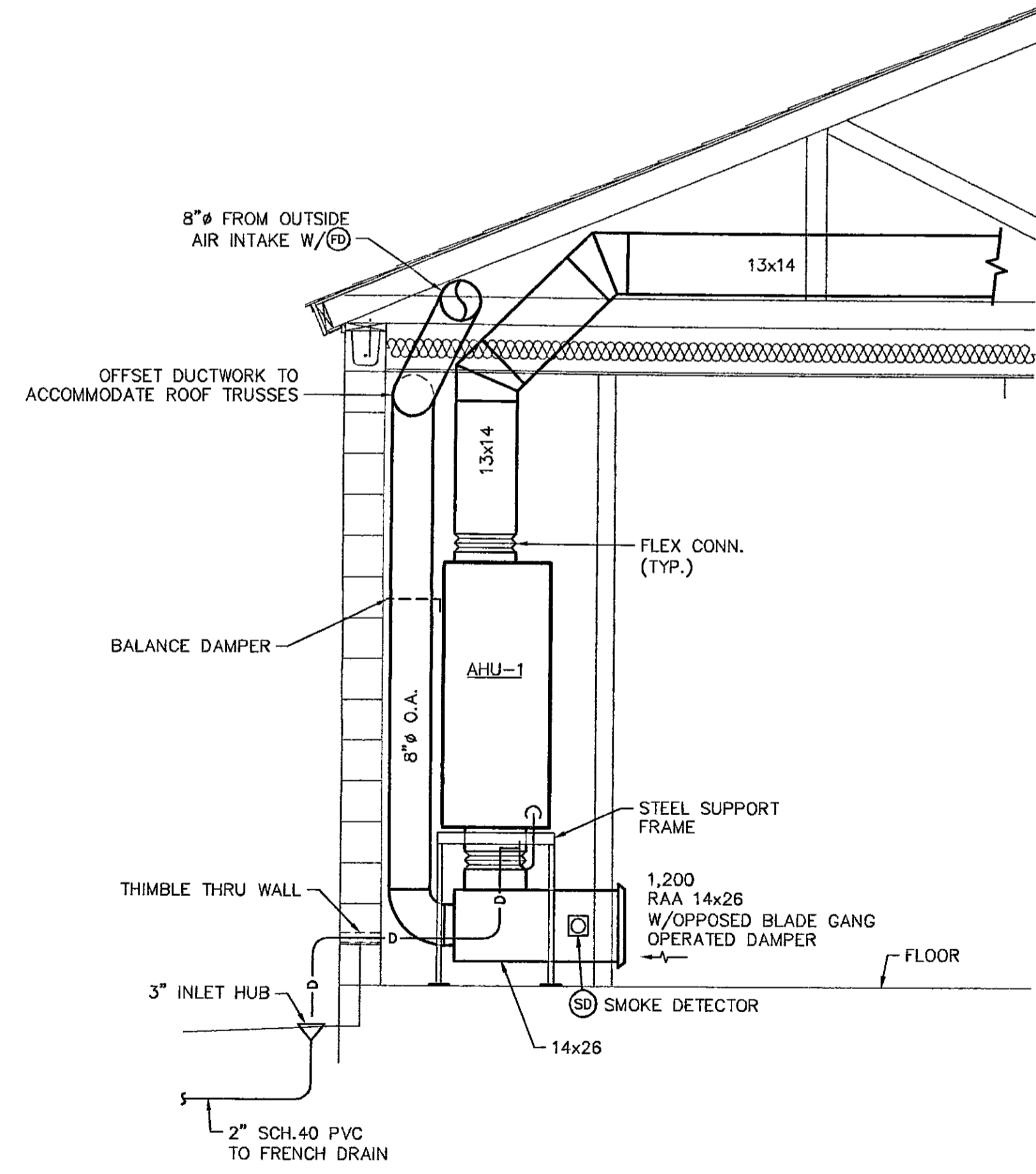
1 FLOOR PLAN - HVAC
 M2.1
 SCALE: 1/4" = 1'-0"

DX AIR HANDLING UNIT SCHEDULE																				
UNIT NO.	FAN DRIVE	FAN SECTION					COOLING CAPACITY					HEATING			ELECTRICAL		REMARKS			
		TOTAL CFM	O.A. CFM	E.S.P.	HP	RPM	POWER SUPPLY VOLT/PHZ	TOTAL MBH	SEN. MBH	E.A.T. F. DB F. WB F. DB F. WB	L.A.T. F. DB F. WB	MAX. FACE VEL. FPM	KW	NO. OF STAGES	VOLTS/PHZ	MCA		MAX. FUSE SIZE (AMPS)		
AHU-1	DIRECT	1,200	185	0.60	1/2	1,075	208/1/60	43.0	25.0	78.3	68.1	58.4	56.8	525	7.2	1	208/1/60	37.0	40.0	TRANE MOD. TWE-042 PROVIDED W/TXV EXPANSION VALVE, DIRECT DRIVE FAN, FILTER, FLOAT SWITCH AND FREEZE STAT.

AIR COOLED CONDENSING UNIT SCHEDULE								
UNIT NO.	TOTAL MBH	NOM. TONS	AMB. TEMP. (F)	MCA	MAX. FUSE SIZE (A)	NO. OF CIRCUITS	POWER SUPPLY VOLT/PHZ	REMARKS
CU-1	43.0	3.5	95.0	9	15	1	480/3/60	TRANE MOD. 2TTA0-042

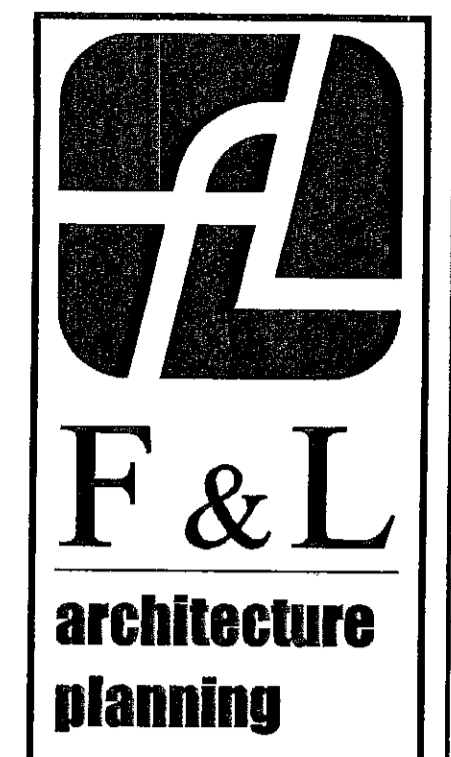


TYPICAL EXTERIOR VALVE BOX AND CLEANOUT BOX DETAIL
 N. T. S.



A.C. UNIT ELEVATION DETAIL
 SCALE: 1/2" = 1'-0"

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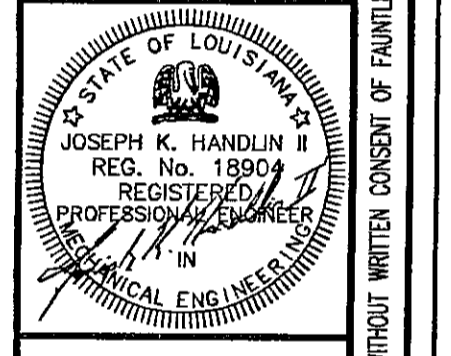


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ATHLETIC FIELDHOUSE EXPANSION AT
FONTAINEBLEAU HIGH SCHOOL
 MANDEVILLE, LOUISIANA
 ST. TAMMANY PARISH SCHOOL BOARD

FLOOR PLAN - HVAC
 Job No: 203066
 Drawn by: DMF
 Checked by: JKH
 Date: 17.NOV.03
 Revised:

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DIVISION 16 - ELECTRICAL

SECTION 16000 - SPEC NOTES

SECTION 16010 - BASIC ELECTRICAL REQUIREMENTS
DIVISION OF SPECIFICATIONS

THE DIVISION OF SPECIFICATIONS IS DIVIDED INTO THE FOLLOWING SECTIONS WHICH, WITH THEIR RESPECTIVE SUB-SECTIONS, IS FOR THE CONVENIENCE ONLY AND NOT INTENDED TO ESTABLISH LIMITS OF WORK:

- SECTION 16010 - BASIC ELECTRICAL REQUIREMENTS
- SECTION 16051 - ELECTRICAL RELATED WORK
- SECTION 16110 - RACEWAYS
- SECTION 16120 - WIRES AND CABLES
- SECTION 16143 - WIRING DEVICES
- SECTION 16170 - CIRCUIT AND MOTOR DISCONNECTS
- SECTION 16195 - ELECTRICAL IDENTIFICATION
- SECTION 16452 - GROUNDING
- SECTION 16470 - PANELBOARDS
- SECTION 16472 - OVERCURRENT PROTECTION
- SECTION 16500 - LIGHTING
- SECTION 16721 - FIRE ALARM & DETECTION SYSTEMS
- SECTION 16740 - TELEPHONE/DATA RACEWAY SYSTEMS
- SECTION 16750 - SPECIAL REQUIREMENTS

1. COMPLY WITH CITY OF MANDEVILLE AND STATE CODES, OSHA REQUIREMENTS, AND NATIONAL ELECTRICAL CODE.
2. COMPLETELY GROUND ENTIRE ELECTRICAL SYSTEM AS PER NATIONAL ELECTRICAL CODE.
3. APPLY FOR PERMIT AND PAY ALL FEES, PROVIDE FINAL INSPECTION CERTIFICATE.
4. WORKMANSHIP TO MEET N.E.C.A. GUIDELINES.
5. PUT INTO OPERATION AND TEST ALL ELECTRICAL EQUIPMENT.
6. PROVIDE COMPLETE INSTALLATION, INCLUDING ALL MINOR ITEMS.

7. ALL ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATELY ONLY, FOR ALL MEASUREMENTS USE ARCHITECTURAL PLANS AND FIELD SURVEYS. COORDINATE WITH AIR CONDITIONING WORK, CABINET WORK, PARTITION WORK, ETC. WHEN REQUIRED.

8. SUBMIT ONE SET OF CLEARLY MARKED REPRODUCIBLE "RECORD" AS-BUILT DRAWINGS FOR ALL WORK, INDICATE CHANGES MADE DURING CONSTRUCTION. SUBMIT TO ARCHITECT FOR OWNERS RECORD FILE. INSURE THAT ALL CIRCUITRY IS SHOWN AS WIRED IN THE FIELD, TO INCLUDE ACCURATE HOME RUN DESIGNATIONS.

9. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR REQUIRED BY THE ARCHITECT, THE FOLLOWING MOUNTING HEIGHTS (CENTERLINE ABOVE FINISHED FLOOR) SHALL APPLY:

- TOGGLE SWITCHES 44" A.F.F.
- RECEPTACLES 18" A.F.F.
- TELEPHONE/DATE OUTLETS 18" A.F.F.

UPON APPROVAL OF THE ARCHITECT, MOUNTING HEIGHTS MAY BE ADJUSTED, LENGTH OF RECEPTACLES SHALL RUN VERTICALLY EXCEPT FOR RECEPTACLES ABOVE 18" WHICH WILL RUN HORIZONTALLY. DO NOT MOUNT OUTLETS BACK TO BACK ON OPPOSITE SIDES OF THE PARTITION.

10. BIDDER(S) SHALL VISIT THE SITE OF THE PROPOSED WORK TO UNDERSTAND THE COMPLEXITY, RESTRICTIONS AND ALL THE REQUIREMENTS TO PERFORM WORK OF THESE DOCUMENTS IN SAID FACILITY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO THE SUCCESSFUL BIDDER FOR FAILURE TO BE SO INFORMED.

11. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SWITCH OFF ANY ELECTRICAL SERVICE AT ANY POINT IN THE ELECTRICAL DISTRIBUTION SYSTEM OR PERFORM ANY WORK THAT WOULD INTERRUPT OR AFFECT THE NORMAL OPERATIONS OF THE FACILITY OR NEW OFFICES UNLESS OTHERWISE NOTED, ANY WORK INCLUSIVE OF THE ABOVE SHALL BE PERFORMED DURING "OTHER THAN NORMAL HOURS" AT A TIME AND DATE OF PROCEDURE DETAILING THE SCOPE OF WORK AND THE LENGTH OF TIME TO COMPLETE THE WORK AND A PROPOSED TIME AND DATE. THE OWNER RETAINS THE RIGHT TO ADJUST THE TIME AND DATE OR CANCEL AN APPROVED SCHEDULE AT NO ADDITIONAL COST.

SECTION 16051 - ELECTRICAL RELATED WORK

1. ALL DRILLING OF FLOORS SHALL BE PERFORMED AFTER NORMAL WORKING HOURS.
2. WIRING FOR HVAC: BRING POWER TO HVAC EQUIPMENT AND DUCT HEATERS, INSTALL STARTERS WHERE REQUIRED. STARTERS, FIRESTATS AND CONTROL WIRING FURNISHED UNDER MECHANICAL SECTION. (FRACTIONAL STARTERS TO BE SUPPLIED UNDER THIS SECTION.)

SECTION 16110 - RACEWAYS

1. CONDUIT INDOORS IN DRY LOCATIONS SHALL BE METALLIC TUBING UNLESS OTHERWISE NOTED ON PLAN.
2. ALL ELECTRICAL, TELEPHONE AND DATA CONDUIT/CABLES SHALL BE CONCEALED IN PARTITIONS AND/OR CEILINGS UNLESS OTHERWISE SPECIFIED.
3. ALL CONDUIT MOUNTED IN CEILING SPACE SHALL BE AS CLOSE AS POSSIBLE TO BEAMS AND/OR SLAB ABOVE.
4. LABEL CONDUITS FOR POWER, LIGHTING AND TELEPHONE/DATA TO CLECO STANDARDS AND CITY OF MANDEVILLE.

SECTION 16120 - WIRES AND CABLES

1. ALL WIRING SHALL BE #12 UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER, SIZES 3/0 AND SMALLER TO BE THWN/THHN, LARGER SIZES THW, THWN/THHN.

SECTION 16143 - WIRING DEVICES

1. WIRING DEVICES ARE TO BE BUILDING STANDARD ONLY. WALL SWITCHES TO BE QUIET TYPE, BACK AND SIDE WIRED, IVORY HANDLE AND MATCHING COVER PLATE, 120-277 V.A.C. 20 AMPERES, LOADED TO NOT MORE THAN 70% CAPACITY. SINGLE POLE: 1221-1 DOUBLE POLE: 1222-1 THREE POLE: 1223-1 DUPLEX CONVENIENCE OUTLETS TO BE BACK AND SIDE WIRED, IVORY WITH MATCHING IVORY COVER PLATES, 20 AMPERES, 125 VOLTS, 2 POLE, 2 WIRE, GROUNDING TYPE, NO. 5-20R. WHEN SWITCHES ARE MOUNTED ADJACENT TO ONE ANOTHER THEY SHALL BE GANGED TOGETHER. ALL DEVICES BOXES AND JUNCTION BOXES SHALL BE METAL.

SECTION 16170 - CIRCUIT AND MOTOR DISCONNECTS

1. SAFETY SWITCHES: OPERATING MECHANISM TO BE BUILDING STANDARD, QUICK-MATE, QUICK-BREAK. ENCLOSURE FOR INDOOR APPLICATIONS TO BE NEMA 1 GENERAL PURPOSE. OUTDOOR APPLICATIONS SHALL BE NEMA 3 RAIN TIGHT. ALL SWITCHES TO BE HORSEPOWER RATED. DUAL RATED FOR STANDARD AND TIME DELAY FUSES. USE ONLY HEAVY DUTY TYPE SWITCHES. GENERAL PURPOSE TYPE NOT ACCEPTABLE.

SECTION 16195 - ELECTRICAL IDENTIFICATION

1. IDENTIFY ALL ELECTRICAL EQUIPMENT AND CONTROLS BY EMBOSSED TAPE OR STENCIL.
2. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORY.

SECTION 16452 - GROUNDING

1. RUN SEPARATE GROUND WIRE IN ALL BRANCH CIRCUITS (EXCLUDING LIGHTING), AND FEEDER CIRCUITS. SIZE GROUND WIRE PER NEC TABLE 250-95. INCREASE CONDUIT SIZE ACCORDINGLY.

SECTION 16470 - PANELBOARDS

1. LOAD CENTERS WILL NOT BE PERMITTED, PANELBOARDS SHALL BE MANUFACTURED IN ACCORDANCE WITH NEMA STANDARDS AND BEAR U.L. LABEL. MAIN BUSES TO BE RECTANGULAR COPPER OR ALUMINUM BARS, SILVER OR TIN PLATED SECURELY FASTENED TO INSULATING BASES AND INDEPENDENT OF BRANCH CIRCUIT DEVICES FOR SUPPORT, NEUTRAL BARS TO BE PROVIDED WHERE NEEDED. ISOLATED GROUND BARS TO BE PROVIDED WHERE INDICATED. PHASING TO BE SEQUENCE. PANELBOARDS SHALL BE EQUIVALENT TO SQUARE "D" "NBOB", G.E., "QA", or CUTLER HAMMER "P-R-LINE".

2. CIRCUIT BREAKERS OPERATING MECHANISM TO BE FREE OPERATION ON ABNORMAL OVERLOADS OR SHORT CIRCUITS, QUICK-BREAK CONTACT MOVEMENT UNDER MANUAL AND AUTOMATIC OPERATION. TRIPPING ELEMENTS THAT WILL NOT TRIP ON HARMLESS MOMENTARY OVERLOADS BUT INSURE ADEQUATE CIRCUIT PROTECTION. INSTANTANEOUS MAGNETIC TRIP ELEMENTS FOR RAPID INTERRUPTION OF SHORT CIRCUIT CURRENTS. STATIONARY AND MOVING CONTACTS TO BE NON-WELDING SILVER ALLOY, ADEQUATELY PROTECTED FOR USE ON "DE-ION" ARCH QUENCHER. AUTOMATIC TRIPPING TO BE INDICATED ON BREAKER HANDLE OR BREAKER CASE. ON MULTI-POLE BREAKERS, THE OVERLOAD ON ANY POLE SHALL OPEN ALL POLES SIMULTANEOUSLY. HANDLE TIES NOT ACCEPTABLE, BREAKER CONNECTIONS TO PANELBOARDS BUSES TO BE BOLTED.

3. PROVIDE UPDATED TYPE WRITTEN CIRCUIT DIRECTORIES IN ALL PANELBOARDS THAT HAVE HAD CHANGES OR DELETIONS IN BRANCH CIRCUITS.

4. BRANCH CIRCUITS ABANDONED DURING DEMOLITION SHALL BE REMOVED FROM THE NEW SPACE BACK TO THE PANELBOARD.

SECTION 16472 - OVERCURRENT PROTECTION DEVICES

1. FUSES: FUSES 600 AMPERS AND BELOW TO BE BUSS. U.L. CLASS RK1. TYPE LPS FOR 480 VOLTS, TYPE LPN FOR 208 VOLT CIRCUITS. EQUAL FOR GOULD SHAWMUT.

SECTION 16500 - LIGHTING

1. LIGHTING: FURNISH ALL FIXTURES AND ACCESSORY EQUIPMENT UNLESS OTHERWISE NOTED. ALL EQUIPMENT TO BEAR THE U.L. LABEL FOR SERVICE INTENDED. FLUORESCENT EQUIPMENT TO HAVE SELF CONTAINED BALLASTS, ELECTRONIC ETL CERTIFIED, WITH THE LOWEST SOUND RATING AVAILABLE. BALLASTS TO BE ADVANCE ENERGY SAVING TYPE. VERIFY THE EXACT TYPE OF CEILING CONSTRUCTION TO BE INSTALLED, COORDINATE INSTALLATION OF LIGHTING FIXTURES WITH CEILING INSTALLATION. USE BUILDING STANDARD FIXTURES ONLY.

SECTION 16721 - FIRE ALARM SYSTEMS

1. FIRE ALARM WILL BE COORDINATED WITH OWNER, FURNISHED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH ALL THE LATEST CODES.

SECTION 16740 - TELEPHONE/DATA RACEWAY SYSTEM

1. TELEPHONE OUTLETS INDICATED ARE TO BE FLUSH MOUNTED 2 INCH BY 4 INCH OUTLET BOXES WITH SINGLE HOLE IVORY BLANK COVER PLATES. FURNISH WITH 3/4" CONDUIT AND PULLWIRE FROM TELEPHONE OUTLET BOX TO ABOVE CEILING FOR WIRE INSTALLATION BY OTHERS.

SECTION 16750 - SPECIAL REQUIREMENTS

TEMPORARY ELECTRICITY:

1. FURNISH AND INSTALL ALL NECESSARY TEMPORARY POWER, METERING, LIGHTING OR WIRING THAT IS REQUIRED TO INSURE QUALITY WORKMANSHIP EVERYWHERE.

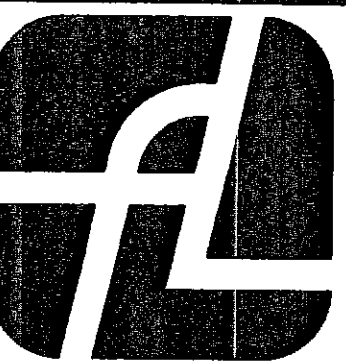
DEMOLITION:

1. REMOVE ALL BRANCH CIRCUIT CONDUCTORS AND CONDUIT, WHICH SERVES AREAS TO BE DEMOLISHED BACK TO ELECTRICAL PANELBOARDS.
2. REMOVE BOXES, LIGHT FIXTURES AND WIRING DEVICES IN AREAS TO BE DEMOLISHED (SEE ARCHITECTURAL PLAN FOR AREAS BEING DEMOLISHED.)
3. REMOVE COMMUNICATIONS EQUIPMENT AND CABLING.
4. COOPERATE FULLY WITH OWNER AND OWNER'S PERSONNEL WHEN REMOVING COMMUNICATIONS AND CABLE.
5. SPECIAL CARE SHOULD BE EXERCISED WHEN REMOVING COMMUNICATIONS EQUIPMENT. CERTAIN CABLES MUST NOT BE DISCONNECTED. CONSULT OWNER WHEN IN DOUBT.
6. EXTEND CONDUITS AND CONDUCTORS TO MAINTAIN ELECTRICAL CONTINUITY OF ELECTRICAL EQUIPMENT SERVING AREAS NOT BE DEMOLISHED AS REQUIRED. THIS APPLIES TO BOTH POWER AND COMMUNICATIONS CIRCUITS.

END OF SECTION 16000

ELECTRICAL GENERAL NOTES:

1. FURNISH AND INSTALL NEW DEVICES AND CIRCUIT AS INDICATED. PROVIDE ALL NECESSARY LABOR AND MATERIAL TO CONNECT TO BUILDING CIRCUITRY. MAINTAIN EXISTING CIRCUIT CONTINUITY AND INTEGRITY.
2. ALL NEW DEVICES AND FIXTURES PROVIDED SHALL MATCH IN APPEARANCE WITH EXISTING DEVICES AND FIXTURES INSTALLED IN NEW SPACES, UNLESS OTHERWISE NOTED.
3. COORDINATE WITH OWNER FOR CONNECTIONS TO BUILDING SYSTEMS, LOCATIONS OF BUILDING PANELS AVAILABLE FOR CIRCUITS, BREAKERS TO UTILIZE IN SAID PANELS AND HANDLING AND STORAGE OF FIXTURES.
4. WHERE DEVICES AND/OR FIXTURES ARE SHOWN TO BE REMOVED, PROVIDE JUNCTION BOXES, CONDUIT AND WIRE AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO OTHER DEVICES AND/OR FIXTURES TO REMAIN.
5. MOUNTING HEIGHT OF ALL DEVICES TO MATCH ADA STANDARD HEIGHT FOR RESPECTIVE DEVICE TYPES, UNLESS NOTED OTHERWISE.
6. CONTRACTOR TO PROVIDE AMPERE READINGS ON FEEDER(S) SERVING PANEL(S) DESIGNATED TO SERVE THIS NEW LOAD, AND LOG READINGS ON OWNER PROVIDED FEEDER LOAD SHEET. READINGS TO BE TAKEN AT OUTSET OF WORK PRIOR TO ANY WORK BEING DONE, AND AT COMPLETION OF WORK AFTER NEW LOADS ARE ESTABLISHED. TURN OVER FEEDER LOAD SHEET TO OWNER. IF BALANCE OF PHASES IS AFFECTED BY NEW LOADS, CONTRACTOR WILL RECONNECT UNDER DIRECTION OF ARCHITECT/OWNER, AS REQUIRED TO ACCOMMODATE BALANCING OF PHASES.
7. EACH WORK DAY, CONTRACTOR SHALL OBTAIN ADMISSION TO BUILDING ELECTRICAL CLOSET FROM OWNER PERSONNEL AND SHALL REVIEW CONDITION OF EACH DAY, CONTRACTOR SHALL AGAIN REVIEW CONDITION OF ROOM AND EQUIPMENT WITH OWNER.
8. REVISE EXISTING LIGHTING ARRANGEMENT AS SHOWN. WIRE TO EXISTING LIGHTING CIRCUITRY AS REQUIRED TO POWER LIGHTING FIXTURE SYSTEMS. PROVIDE CONDUIT WIRE, J-BOXES, FIXTURE WHIPS, ETC. AS REQUIRED TO ACCOMMODATE NEW LIGHTING ARRANGEMENT. EXISTING LIGHTING IS SERVED FROM EXISTING 120/208V PANEL IN BUILDING.
9. EXTEND EXISTING WIRING, ETC. WITH NEW AS REQUIRED TO ACCOMMODATE PARTITION CHANGES FOR DEVICES/CIRCUITS AFFECTED.
10. ALL DEVICES INDICATED TO BE ON A DEDICATED CIRCUIT SHALL BE GREY FINISH.
11. RECEPTACLES WIRED TO BE PROTECTED BY GFI DEVICES, SHALL BE IDENTIFIED AS SUCH BY ORANGE FINISH.
12. ALL NEW PANELS, TRANSFORMERS, ETC. SHALL MATCH BUILDING STANDARD TYPE AND MANUFACTURER, COORDINATE MANUFACTURER WITH OWNER PRIOR TO ORDERING EQUIPMENT.
13. ALL CONVENIENCE OUTLETS, (SIMPLEX, DUPLEX, QUADRAPLEX) WHERE WALL MOUNTED VERTICALLY, SHALL BE INSTALLED WITH GROUNDING POINT UP. WHERE WALL MOUNTED HORIZONTALLY, THE NEUTRAL SPACES WILL BE UP.
14. DISCONNECT AND REMOVE EXISTING CONDUIT, WIRE, BOXES, ETC. UNUSED OR ABANDONED IN/OR ABOVE WALLS AND CEILINGS, AS REQUIRED, BACK TO THE PANELBOARD OR THE NEAREST JUNCTION POINT REMAINING FOR REUSE OR BEING USED. RE-ROUTE, EXTEND WITH NEW CONDUIT, WIRE, J-BOXES, ETC., AND RECONNECT TO MAINTAIN INTEGRITY, ALL CIRCUITRY TO BE REMOVED IN THIS SPACE THAT SERVES OTHER LOADS.
15. CONTRACTOR TO DETERMINE AVAILABILITY OF EXISTING CIRCUIT BREAKERS BY TAKING AMPERE READINGS DURING MORNING AND AFTERNOON HOURS ON A NORMAL SCHOOL DAY. ARCHITECT FOR DIRECTION ON WHICH BREAKERS TO USE.
16. CLEAN, RELAMP, REFURBISH AND REPAIR, AS REQUIRED, ALL EXISTING LIGHTING FIXTURES TO REMAIN, TO BE RELOCATED.



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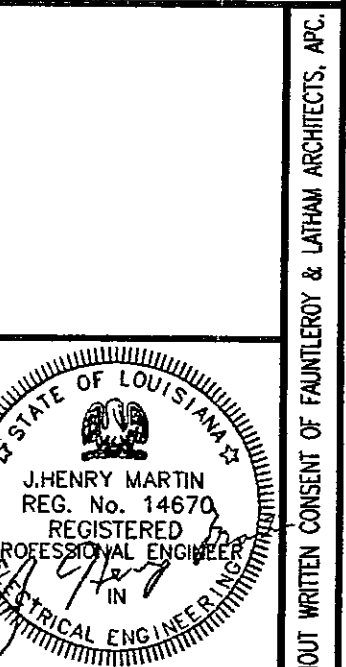
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