

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE AISC SPECIFICATION.
- 2. STEEL JOISTS SHALL CONFORM TO THE LATEST VERSION OF THE SJI SPECIFICATIONS.
- 3. WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS
- 4. ALL STRUCTRUAL STEEL SHALL CONFORM TO THE FOLLOWING AISC SPECIFICATIONS: WIDE FLANGE SHAPES: ASTM A992 GRADE 50 CHANNEL, ANGLE, TEE & MISC. PLATES: ASTM A 36 TUBE STEEL: ASTM A500 GRADE B (46 KSI) PIPE: ASTM A53 GRADE B
- 5. VERIFY ALL DIMENSIONS, SIZES AND CONDITIONS PRIOR TO THE PREPARATION OF SHOP DRAWINGS OR FABRICATION OF STEEL.
- 6. ALL WELDS SHALL BE MADE WITH E70 ELECTRODES UNLESS NOTED OTHERWISE.
- 7. CONTRACTOR SHALL COORDINATE LOCATION AND SIZE OF ALL OPENINGS. SEE TYPICAL ROOF OPENING DETAIL FOR REQUIRED FRAMING.
- 8. ANY STRUCTURAL STEEL ITEMS CALLED FOR IN THE CONSTRUCTION DOCUMENTS, OTHER THAN ON THE STRUCTURAL DRAWINGS, SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
- 9. ANY STRUCTURAL STEEL REQUIRED BY THE ELEVATOR SUB-CONTRACTOR NOT SHOWN ON THESE DRAWINGS SHALL BE PROVIDED BY THE ELEVATOR SUB-CONTRACTOR. THE PRICE OF THIS STRUCTURAL STEEL SHALL BE INCLUDED IN THE CONTRACTOR'S BID.

SUPERIMPOSED DESIGN LOADS:

1. <u>LIVE LOADS</u>

FIRST FLOOR: ALL SPACES = 100 PSF + 20 PSF PARTITION SECOND & THIRD FLOORS: LIVING SPACE = 40 PSF + 20 PSF PARTITION STAIR LANDING = 100 PSF

ALL SPACES = 20 PSF

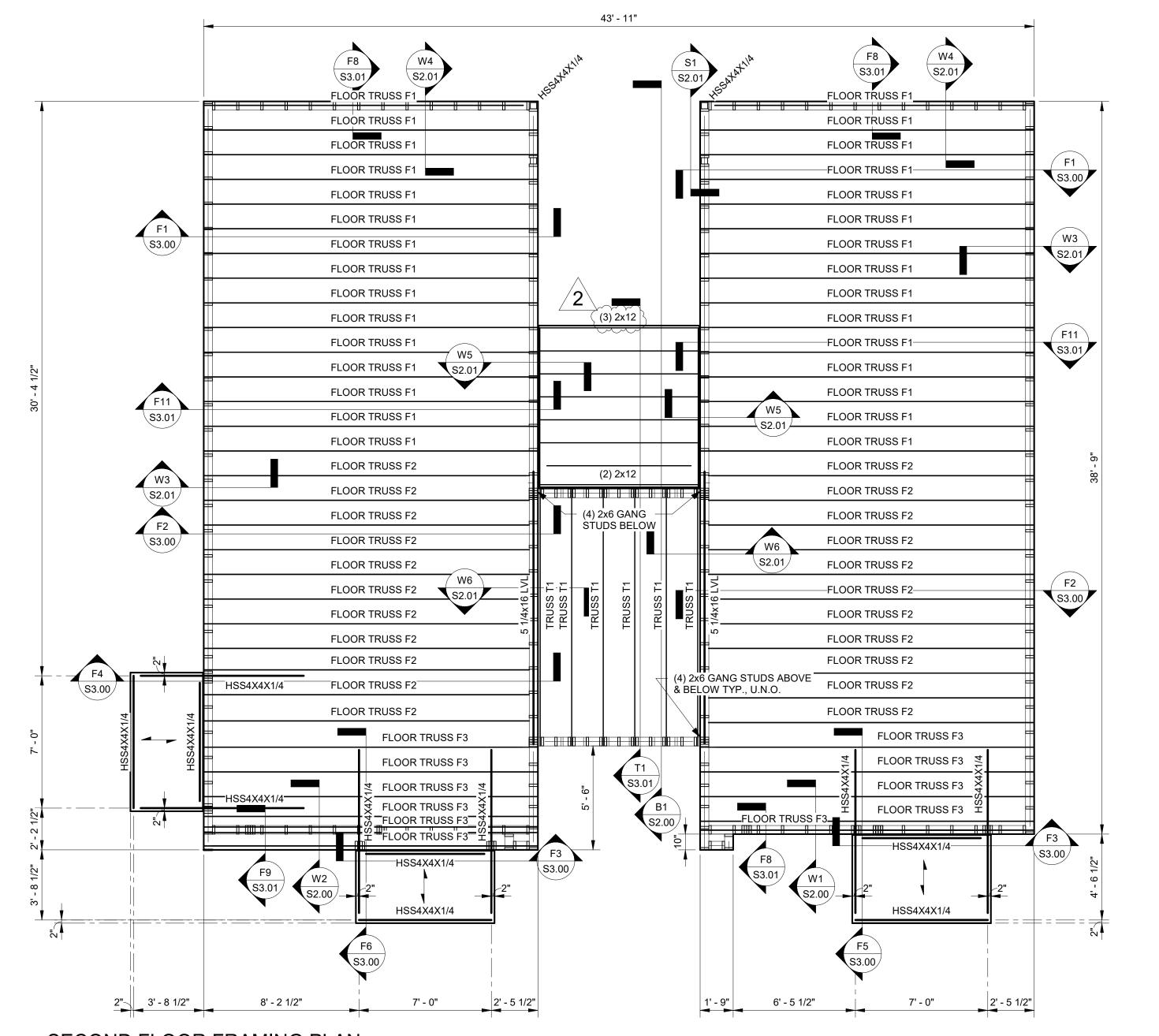
2. WIND LOADS: VELOCITY = 124 MPH BUILDING CATEGORY = II EXPOSURE = B ANALYSIS PROCEDURE = ASCE 7-10/IBC 2012 COMPONENT AND CLADDING PRESSURE/SUCTION: ROOF ZONE 1 = 12.2 PSF PRESSURE/32.6 PSF SUCTION ROOF ZONE 2 = 12.2 PSF PRESSURE/45.3 PSF SUCTION ROOF ZONE 3 = 12.2 PSF PRESSURE/70.7 PSF SUCTION WALL ZONE 4 = 30.0 PSF PRESSURE/32.6 PSF SUCTION WALL ZONE 5 = 30.0 PSF PRESSURE/40.2 PSF SUCTION

3. SEISMIC LOADS:

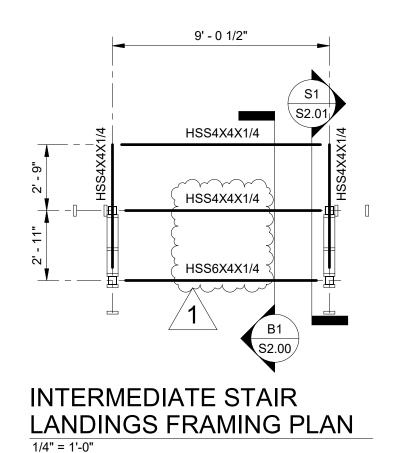
OCCUPANCY CATEGORY = II Ss = 0.106S1 = 0.056SITE CLASS = D Sds = 0.113Sd1 = 0.09DESIGN CATEGORY = B DUAL FORCE RESISTING SYSTEM Cs = 0.015ANALYSIS PROCEDURE = ASCE 7-10/IBC 2012

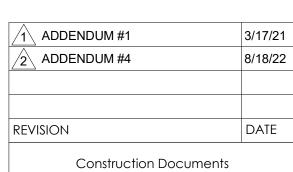
BALCONY FLOOR DECK SYSTEM:

- 1. BALCONY FLOOR DECK SYSTEM SHALL CONSIST OF 5" CONCRETE (TOTAL DEPTH) ON 1", 22 GA. METAL FORM DECK (SEE SPECIFICATIONS SECTION 05313)
- 2. REFER TO BALCONY SECTIONS FOR FLOOR SLAB REINFORCING DETAILS



SECOND FLOOR FRAMING PLAN

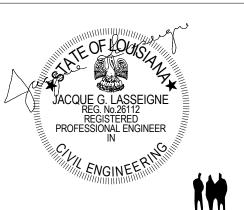




Cypress River Lofts

Oklahoma Street at Duane Street Baton Rouge, Louisiana 70802

SECOND FLOOR FRAMING PLAN & DETAILS



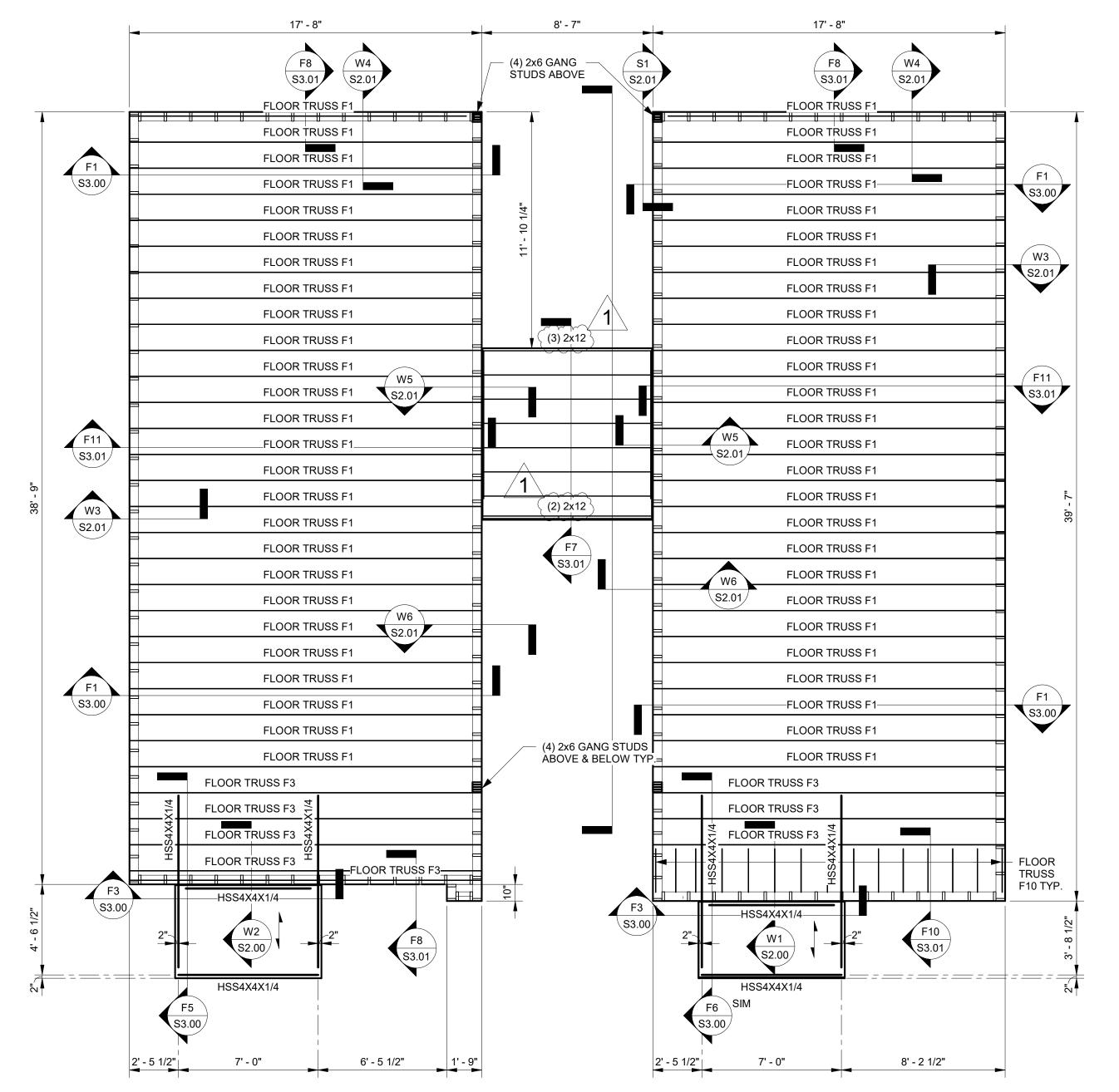
| REMSON | HALEY | HERPINARCHITECT

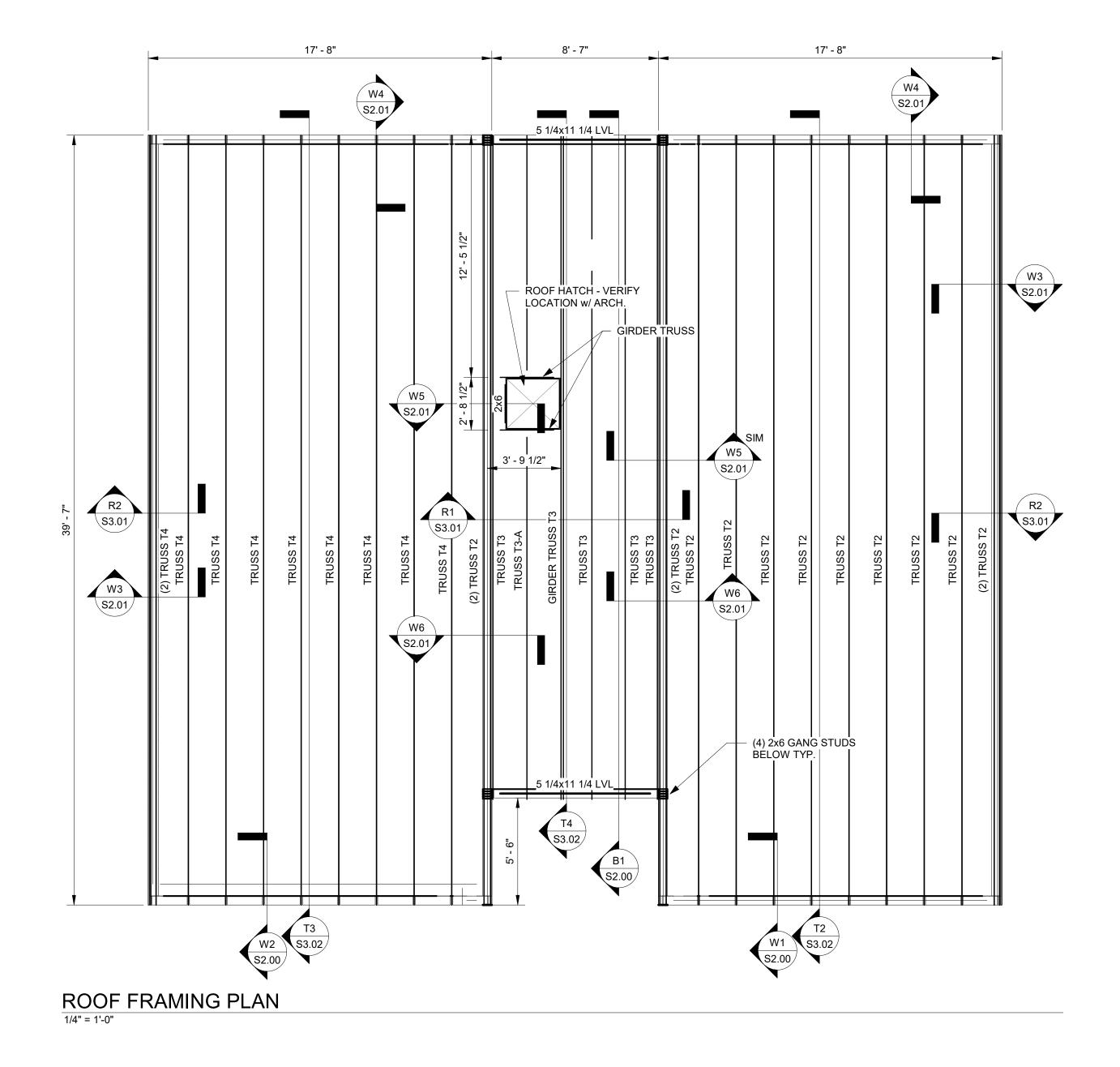
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2-12-2021 ISSUE DATE 75-01-17

PROJECT NO.

\$1.20





THIRD FLOOR FRAMING PLAN

EL 41'-6'

EL 41'-6'

OONT. 2:6 TOP PLATE

WOOD GROER TRUSS

WOOD GROER TRUSS

FL 35'-8 34'

SEE ROOF FRAMING PLAN FOR BEAM SIZE TYP.

TS SECTION

TS SECTION

ENGINEERED WOOD ROOF TRUSS SYSTEMS NOTES:

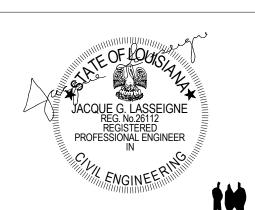
- 1. ROOF TRUSSES ARE SINGLE PLANE METAL PLATE CONNECTED WOOD TRUSSES FABRICATED FROM CONVENTIONAL DIMENSIONAL LUMBER THAT SHALL SAFELY SUPPORT THE FOLLOWING TYPICAL LOADS: 16 PSF LIVE LOAD PLUS 35 PSF DEAD LOAD ON TOP CHORD AND 10 PSF APPLIED TO THE BOTTOM CHORD. THOSE TRUSSES LOCATED AT MECHANICAL SPACES SHALL BE DESIGNED TO SUPPORT THE MECHANICAL EQUIPMENT PLUS A 30 PSF BOTTOM CHORD LIVE LOAD IN ADDITION TO THOSE LOADS STATED ABOVE.
- 2. ONLY A 15% INCREASE IN STRESSES DUE TO SHORT TERM LOADING WILL BE PERMITTED. MEMBER SIZE AND ARRANGEMENT TO SUIT REQUIREMENTS OF DESIGN.
- 3. BRIDGE AND "X" BRACE TRUSSES AS REQUIRED FOR ERECTION AND FINAL STABILITY OF ROOF FRAMING. THE HANDLING AND BRACING OF THE TRUSSES SHALL MEET OR EXCEED THE STRENGTH REQUIREMENTS OUTLINED IN "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS BWT-76" AS PROVIDED BY THE TRUSS PLATE INSTITUTE. ALL BRIDGING REQUIRED BY THE TRUSS DESIGN OR BY BWT-76 SHALL BE CLEARLY SHOWN AND SPECIFIED ON THE ERECTION PLANS OF THE WOOD TRUSS SHOP DRAWINGS.
- 4. THE TRUSS LAYOUT SHOWN ON THE PLANS INDICATES THE MINIMUM NUMBER OF TRUSSES TO BE PROVIDED. IF ADDITIONAL TRUSSES ARE REQUIRED BY DESIGN OR TO SUPPORT THE LOADING INDICATED ON THE PLANS (INCLUDING ARCHITECTURAL, MECHANICAL, & ELECTRICAL) THEIR COST IS TO BE INCLUDED IN THE BID PRICE.
- 5. SHOP DRAWINGS SHALL INCLUDE COMPONENT DETAILS AND SYSTEM LAYOUT DRAWINGS. SUCH SUBMITTALS SHALL IDENTIFY THE PROJECT AND LIST LOADING CRITERIA. DRAWINGS SHALL IDENTIFY AND LOCATE ALL COMPONENTS AND SHALL SPECIFY MEMBER SIZES, SPECIES, AND STRESS GRADES OF LUMBER PROPOSED TO BE USED; PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING OF TRUSSES; CONNECTOR TYPE, THICKNESS, SIZE, LOCATION, AND DESIGN VALUE; BRACING ANCHORAGE AND ALL OTHER NECESSARY FABRICATION AND ERECTION INFORMATION.
- 6. THE SUPPLIER SHALL FURNISH THE STRUCTURAL DESIGN BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF LOUISIANA WHO WILL STAMP AND SIGN THE DESIGN. PROVISIONS FOR SUPPORT, BEARING, CROSS AND LATERAL BRACING TO RESIST GRAVITY, UPLIFT AND LATERAL LOADS SHALL BE DESIGNED AND SHOWN. SUBMIT FOR REVIEW THE DESIGN LOAD CRITERIA AND OTHER CRITERIA DESIGN REQUIREMENTS.
- ANY QUESTIONS OR PROBLEMS THAT THE TRUSS SUPPLIER MAY HAVE IN REGARD TO THE LAYOUT OR LOADINGS
 ARE TO BE RESOLVED TO THE SATISFACTION OF THE STRUCTURAL ENGINEER PRIOR TO THE BID DATE.
- 8. ALL TRUSSES WILL BE ANCHORED AT ALL BEARING POINTS WITH HURRICANE ANCHORS THAT HAVE THE ABILITY TO RESIST UPLIFT LOADS SHOWN IN THE MANUFACTURERS STRUCTURAL CALCULATIONS. THE CONTRACTOR SHALL INCLUDE THE TOTAL COST OF THESE ANCHORS IN HIS BID.
- 9. ALL TRUSS DIMENSIONS SHOWN ON THIS PLAN MUST BE VERIFIED WITH THE ARCHITECTURAL DETAILS AND FIELD CONDITIONS.
- 10. ALL TRUSS MEMBERS SHALL BE NO. 2 SOUTHERN YELLOW PINE OR BETTER.
- 11. ALL TRUSS TOP AND BOTTOM CHORDS SHALL BE 2X6 OR LARGER UNLESS NOTED OTHERWISE.
- 12. ALL TRUSSES SHALL BE SPACED NO MORE THAT 2'-0" ON CENTER

8/18/22
DATE

Construction Documents for Cypress River Lofts

Oklahoma Street at Duane Street Baton Rouge, Louisiana 70802

THIRD FLOOR & ROOF FRAMING
PLANS AND DETAILS



REMSON|HALEY|HERPINARCHITECT

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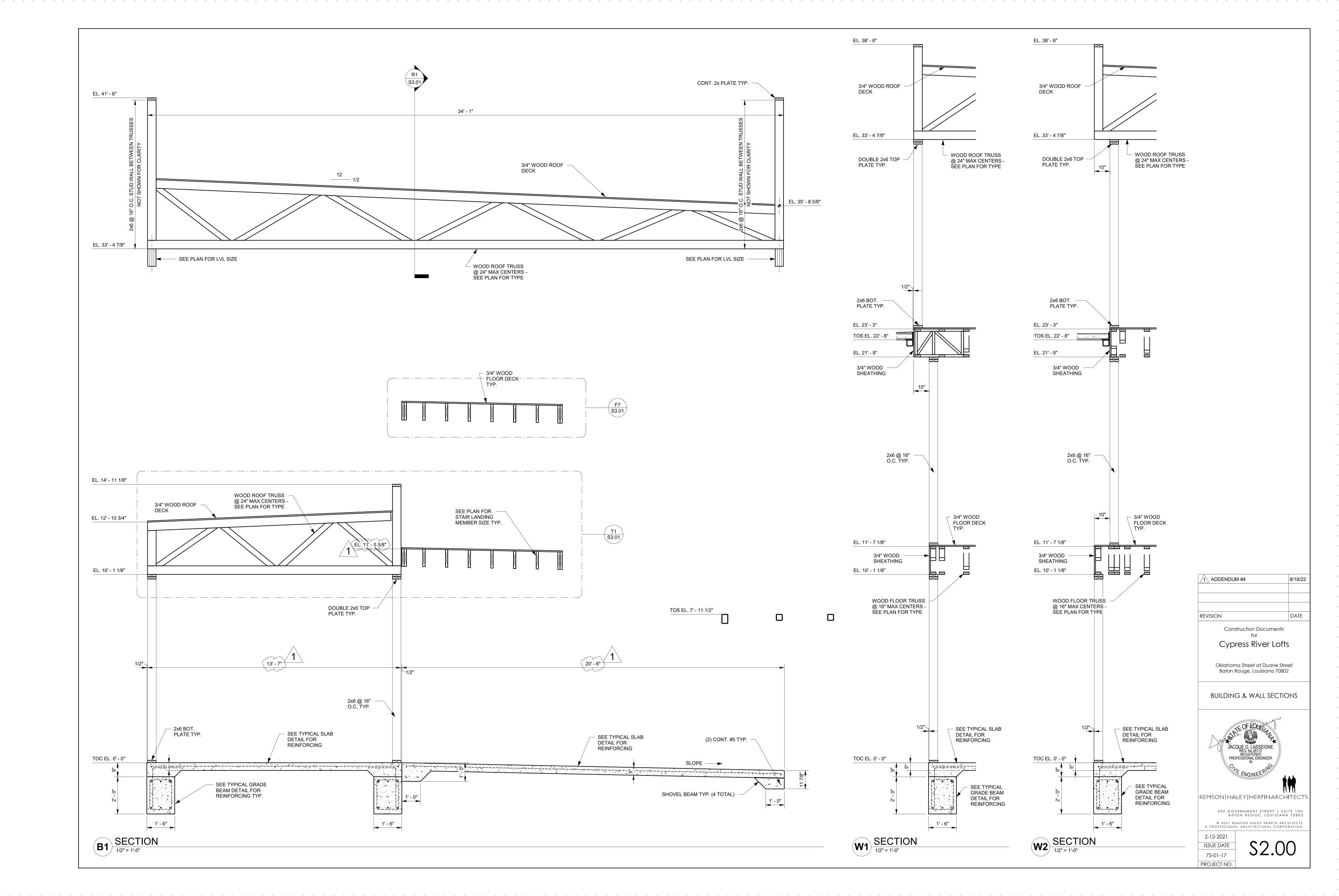
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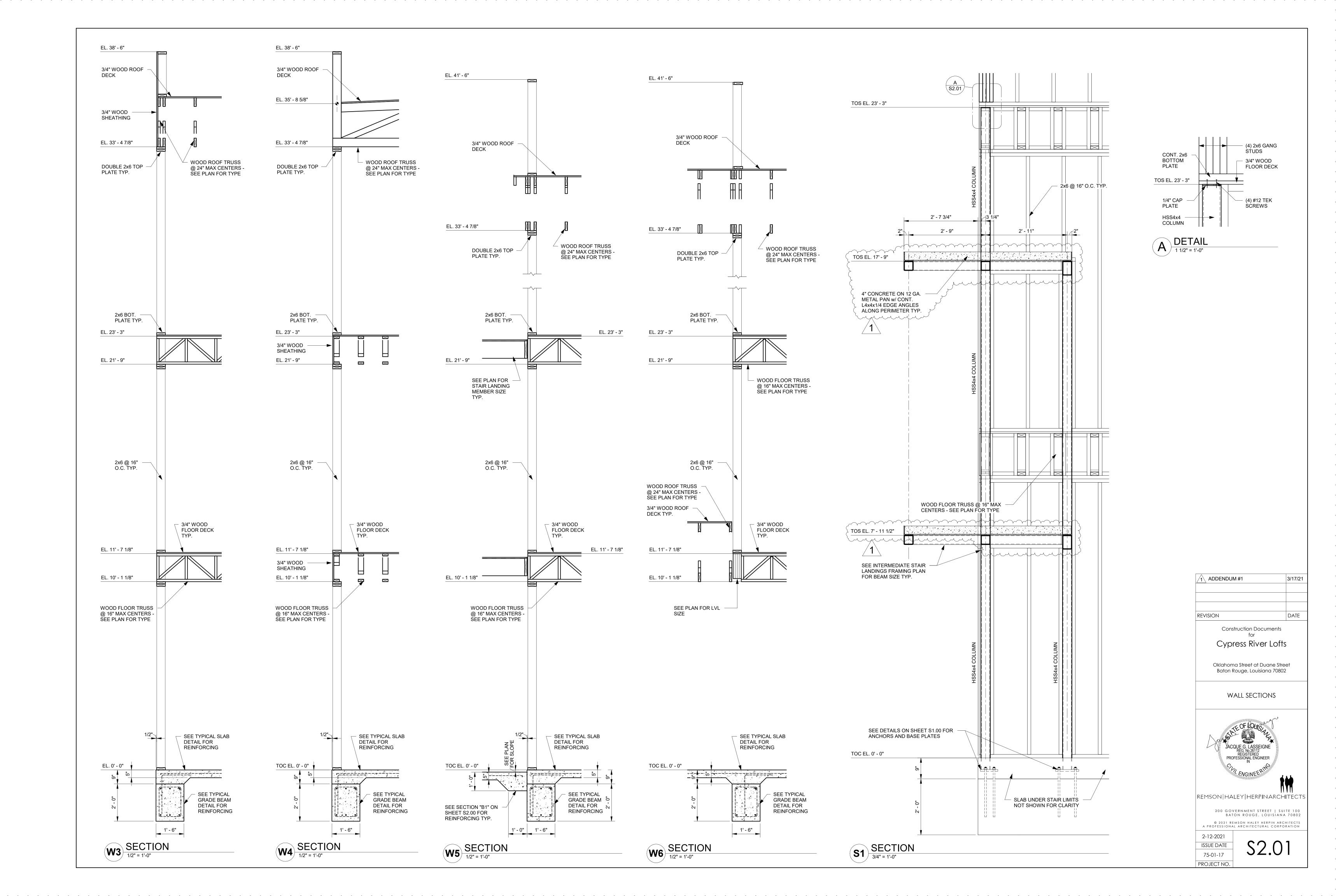
ISSUE DATE

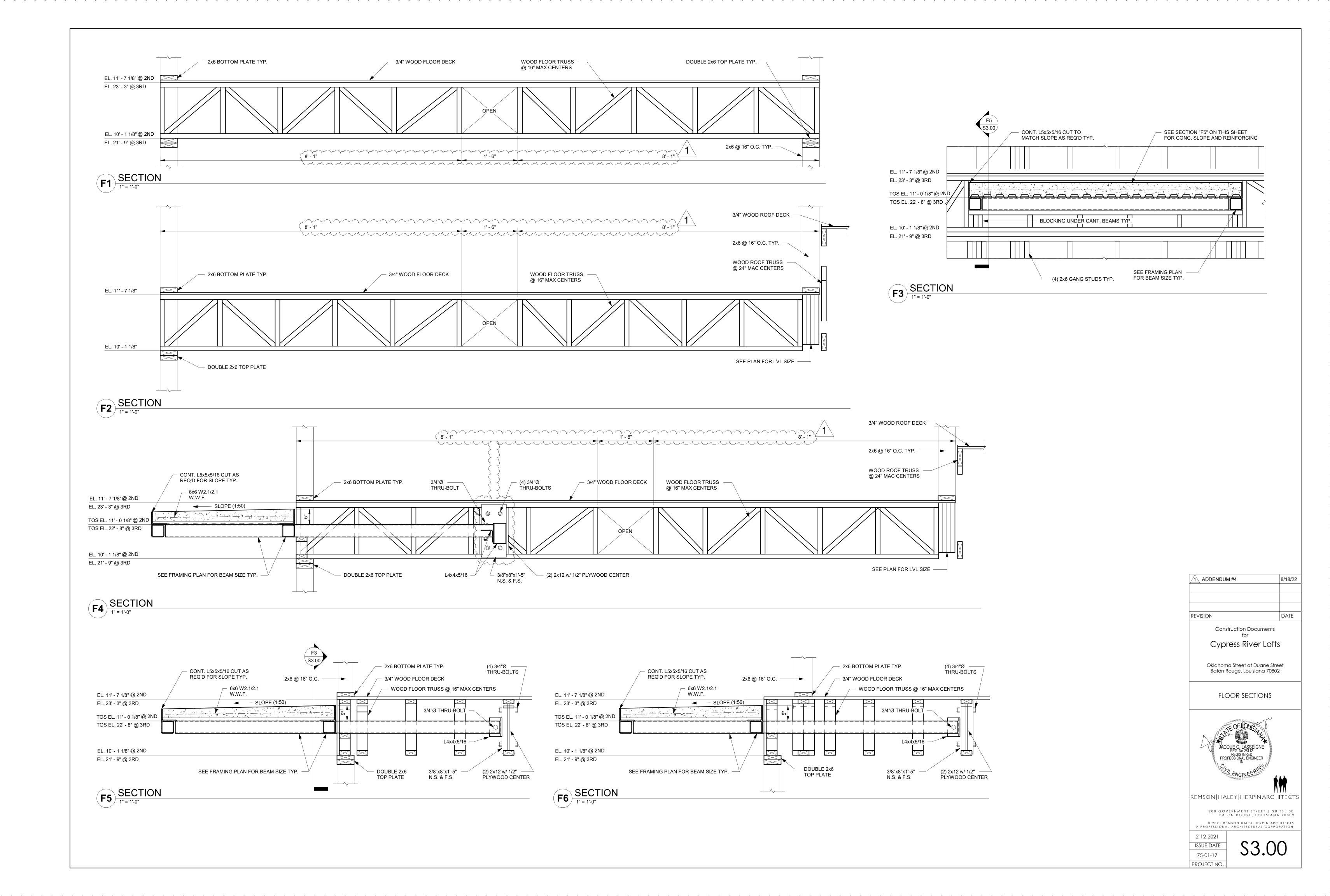
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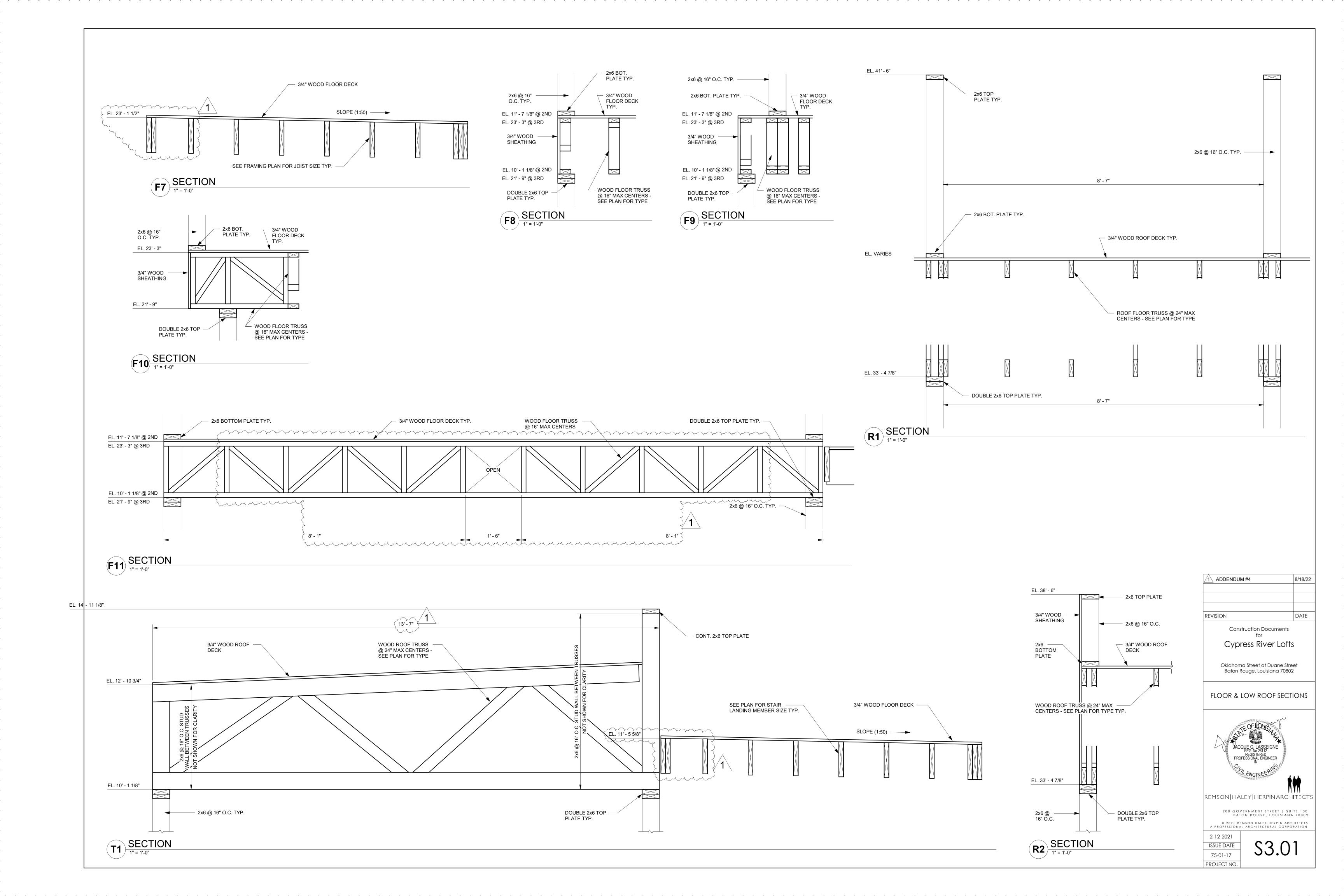
PROJECT NO.

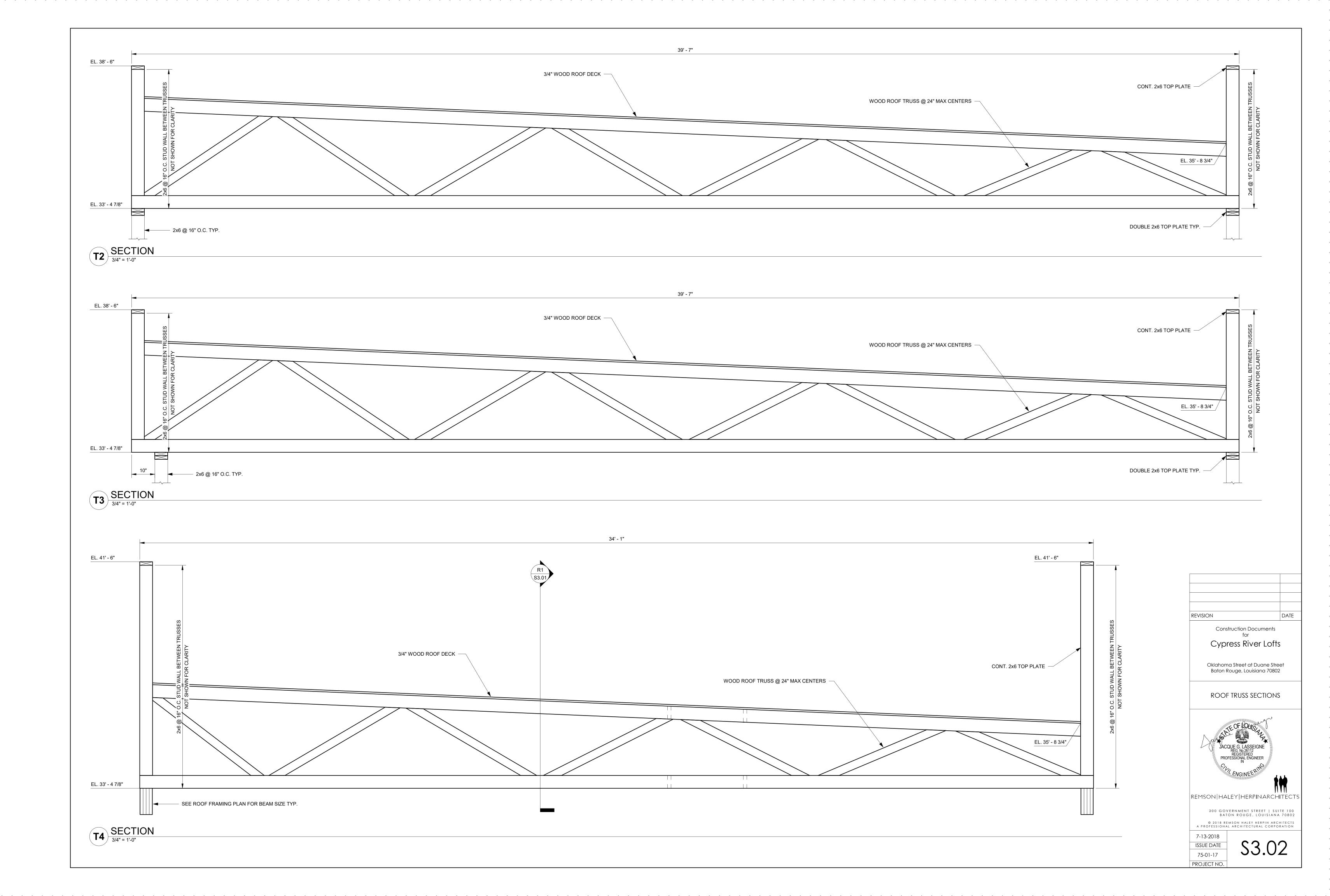
\$1.30

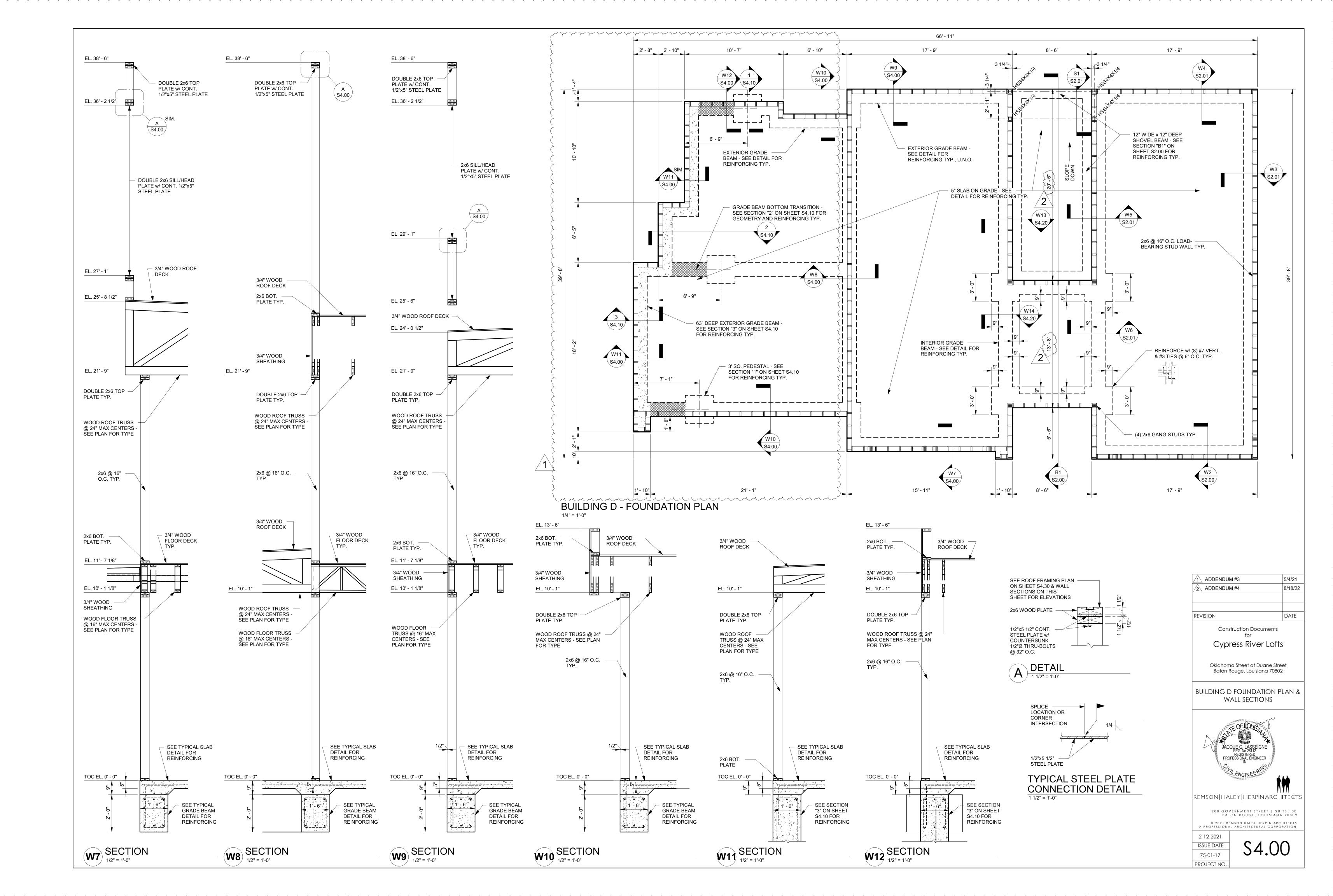


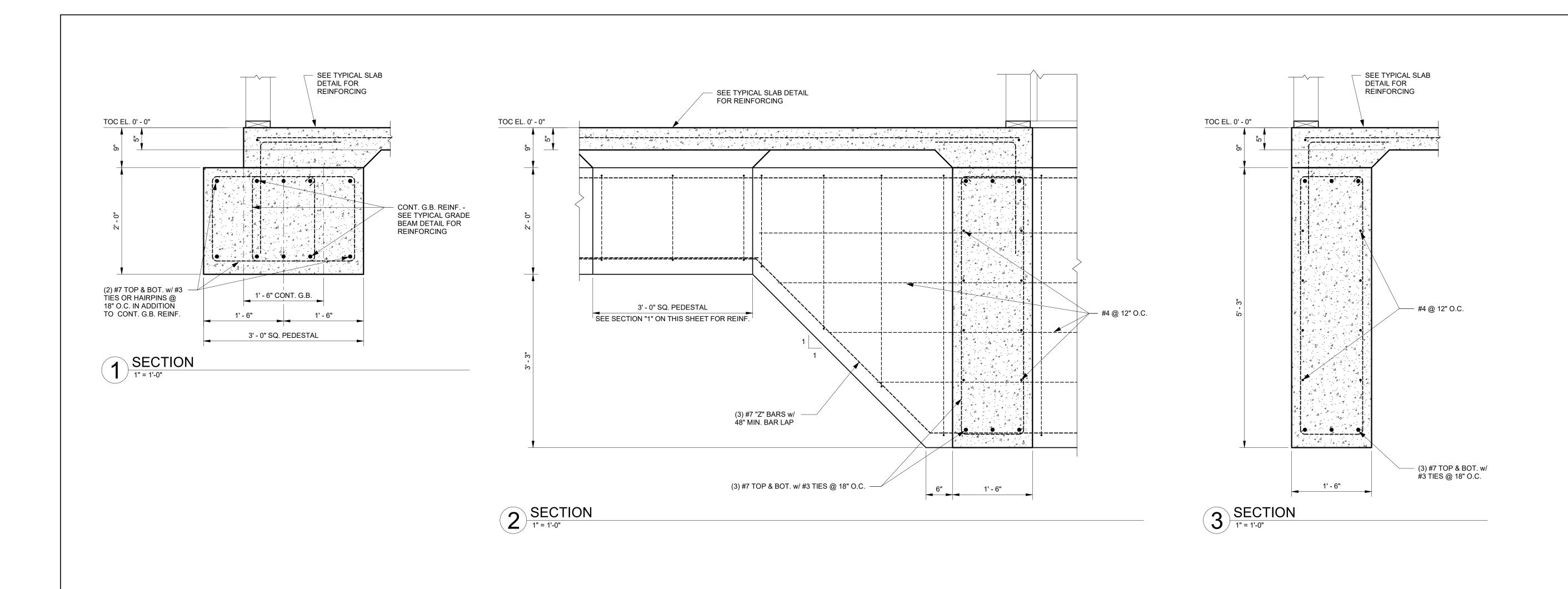


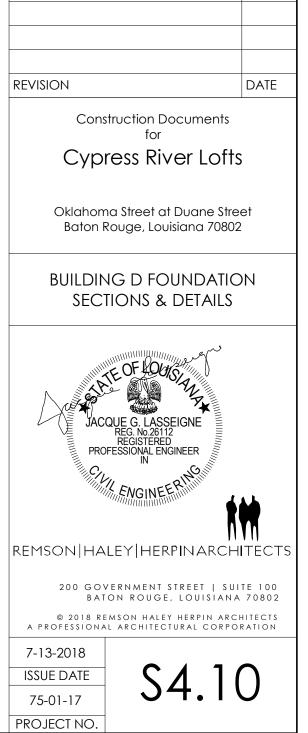


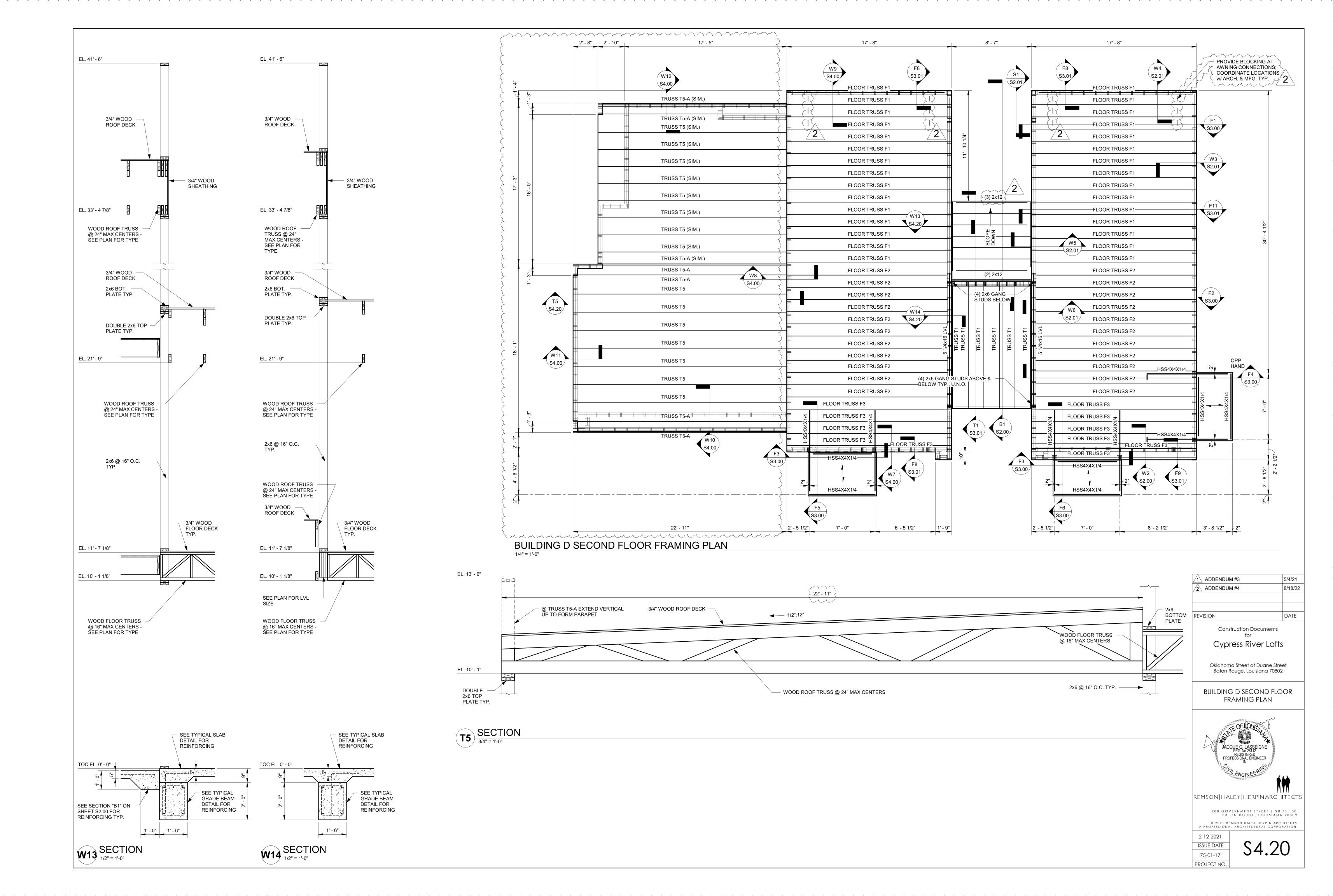


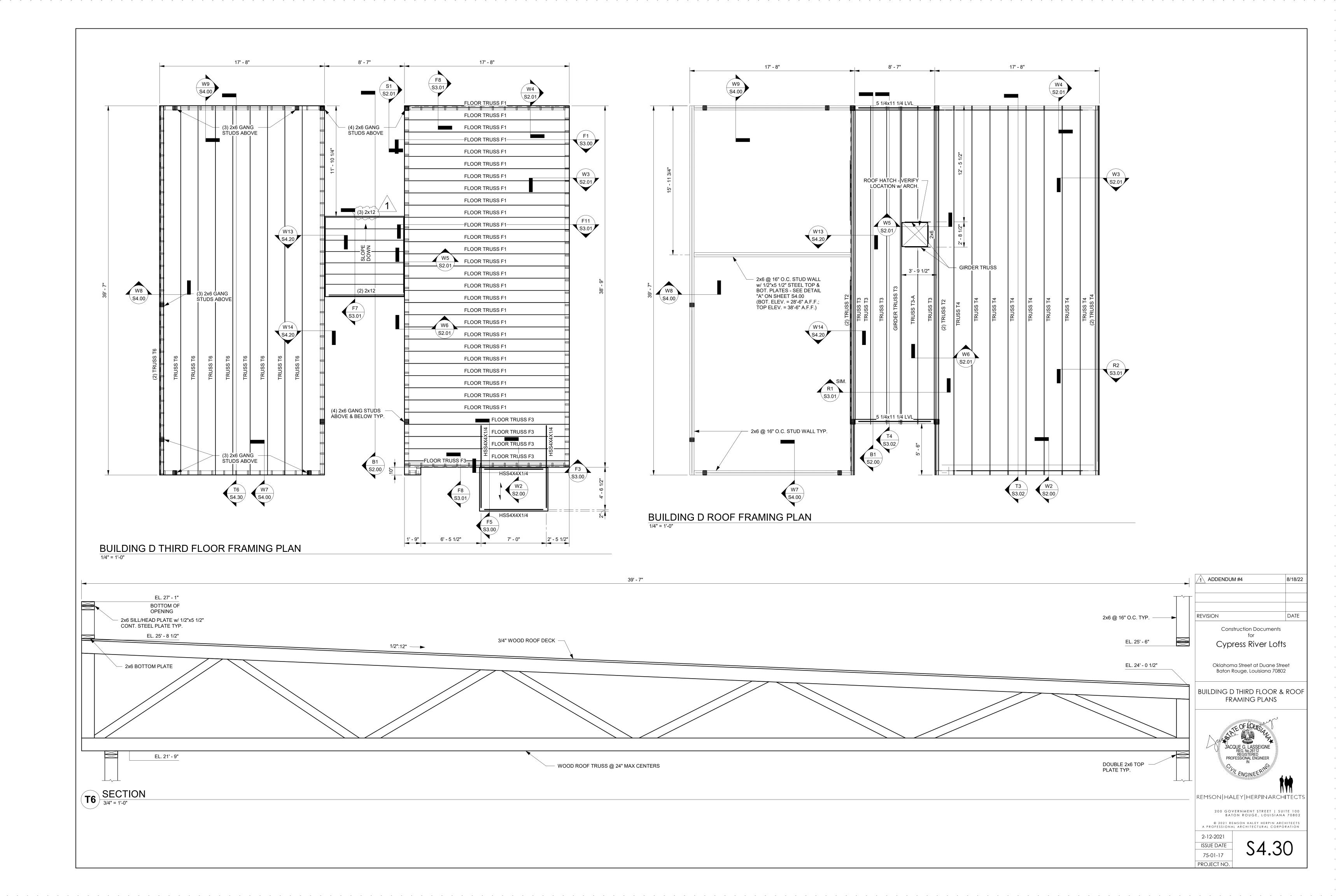


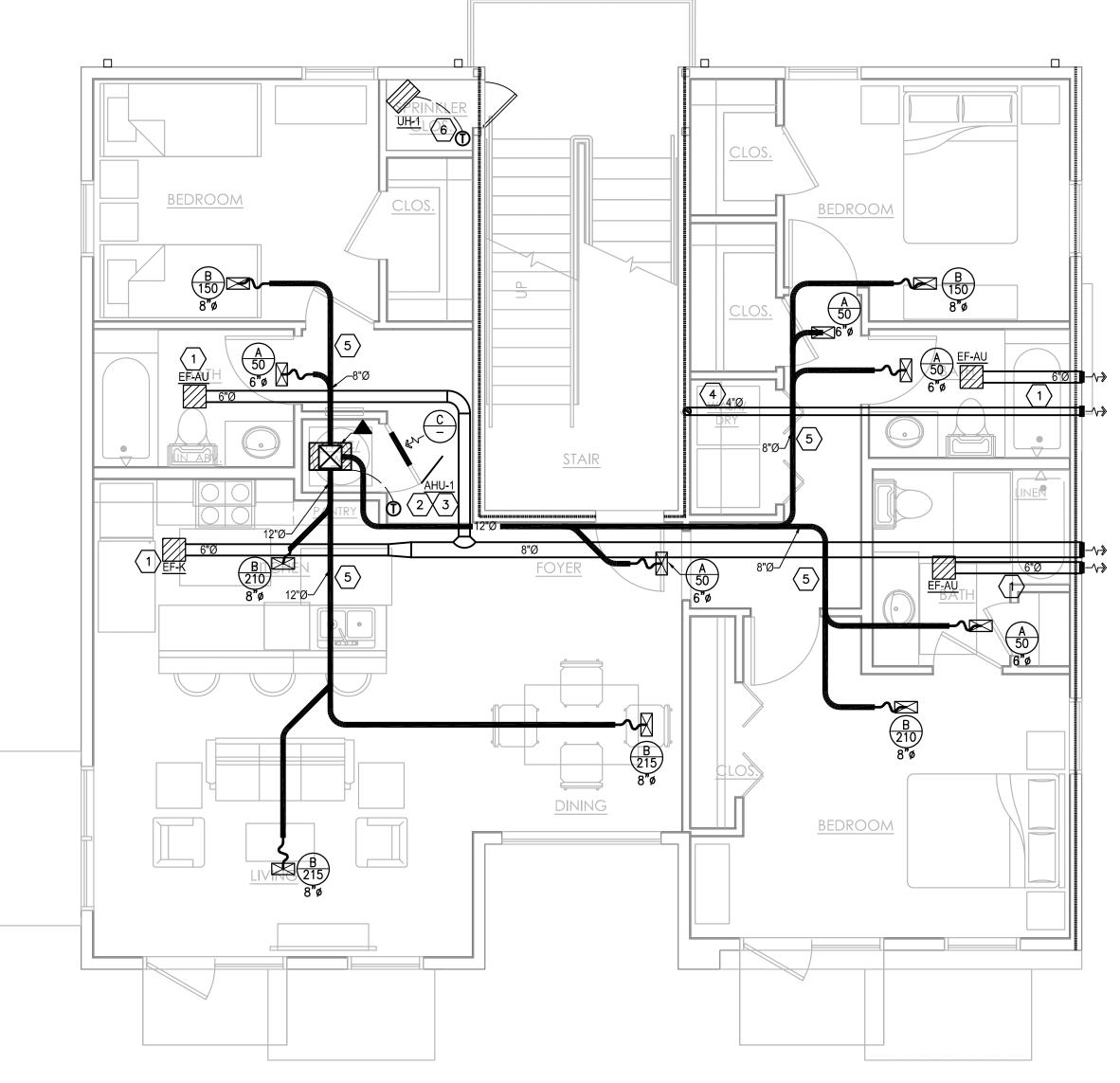












MECHANICAL GENERAL NOTES

1. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3. ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4. SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

5. REFER TO ARCHITECTURAL FOR ALL SIDEWALL GRILLE MOUNTING LOCATIONS.

6. ALL CONDENSATE DRAINS TO BE 3/4" UNLESS NOTED OTHERWISE. DRAIN PANS SHALL BE MINIMUM 4" DEEP WITH POSITIVE DRAINAGE TO PLUMBING DRAIN.

7. COORDINATE ALL DUCT ROUTING WITH STRUCTURE THROUGH JOIST WEBBING.

MECHANICAL KEYED NOTES (TYP.)

- ROUTE 6"Ø EXHAUST DUCT TO WALL CAP, BROAN MODEL 641 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
- PROVIDE VERTICAL AIR HANDLER WITH VERTICAL RETURN LOCATED ON FRONT OF UNIT. REFER TO DETAIL 1/M3.00 ROUTE 3/4" CONDENSATE DRAIN LINE TO PLATFORM MOUNTED HUB DRAIN. COORDINATE WITH PLUMBING PLAN.
- HINGED BACKED FILTER RETURN IN DOOR. COORDINATE WITH ARCHITECT FOR COLOR SELECTION.
- ROUTE 4"Ø DRYER EXHAUST VENT TO DRYER VENT CAP WITH BACK DRAFT DAMPER BROAN MODEL 641. COORDINATE WITH ARCHITECT FOR COLOR SELECTION EXHAUST DUCT SHALL BE IN ACCORDANCE WITH IMC 504. PROVIDE WITH PROPER LENGTH IDENTIFICATION LABEL.
- COORDINATE WITH STRUCTURAL FOR DUCT ROUTING THROUGH BLOCK OUTS IN JOIST WEBBING.
- PROVIDE 3kW 240/1/60 REZNOR EGEB ELECTRIC UNIT HEATER WITH MOUNTING KIT OR APPROVED EQUAL. INTERLOCK WITH THERMOSTAT SET TO ACTIVE UH-1 UPON 45°F.

MECHANICAL FIRST FLOOR PLAN

1/4"=1'-0" BUILDING A (BUILDING C, SIM. & BUILDING B, OP. H.)



REVISION DATE

Cypress River Lofts

Construction Documents

Oklahoma Street at Duane Street Baton Rouge, Louisiana 70802

MECHANICAL FLOOR PLANS

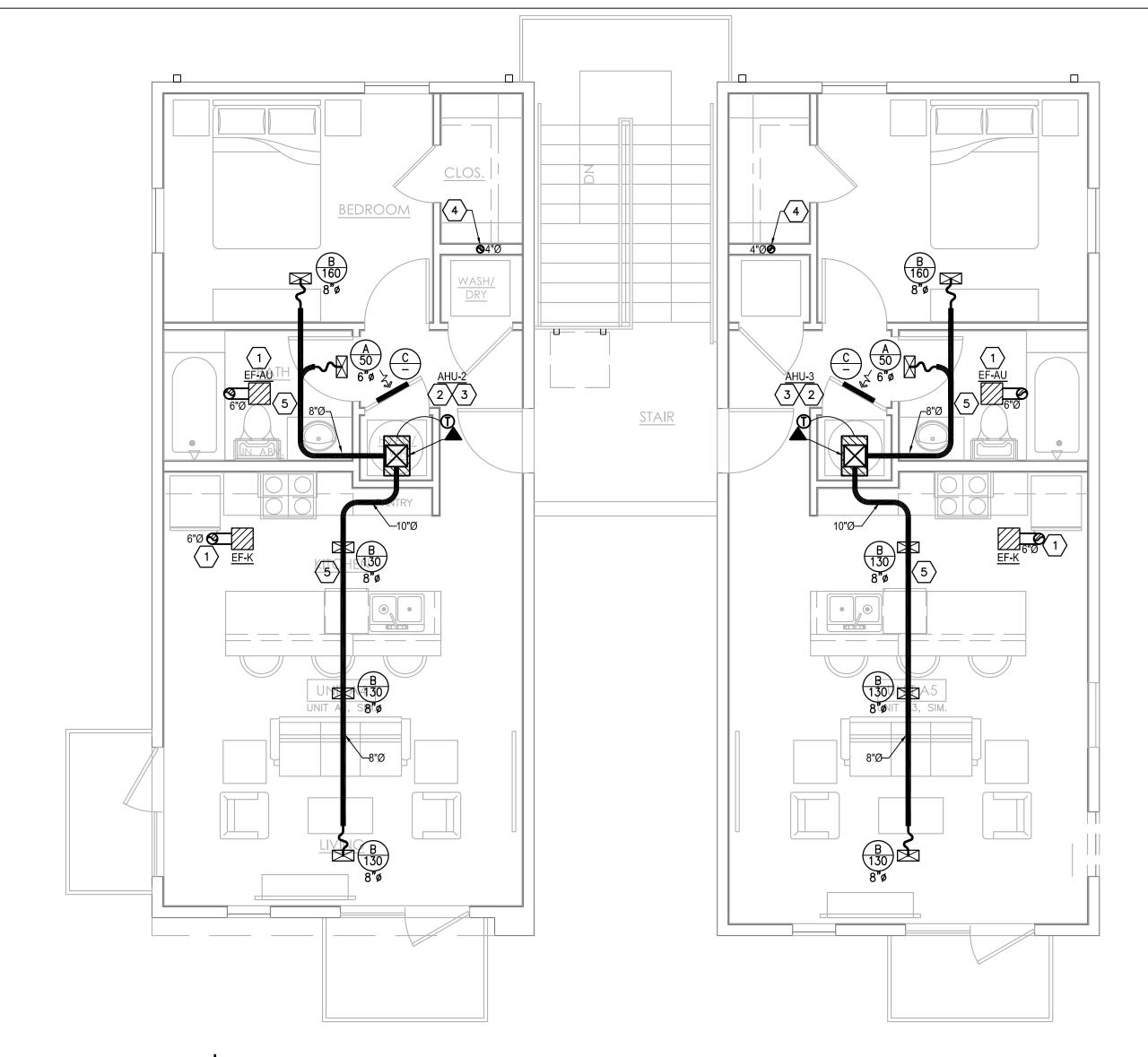


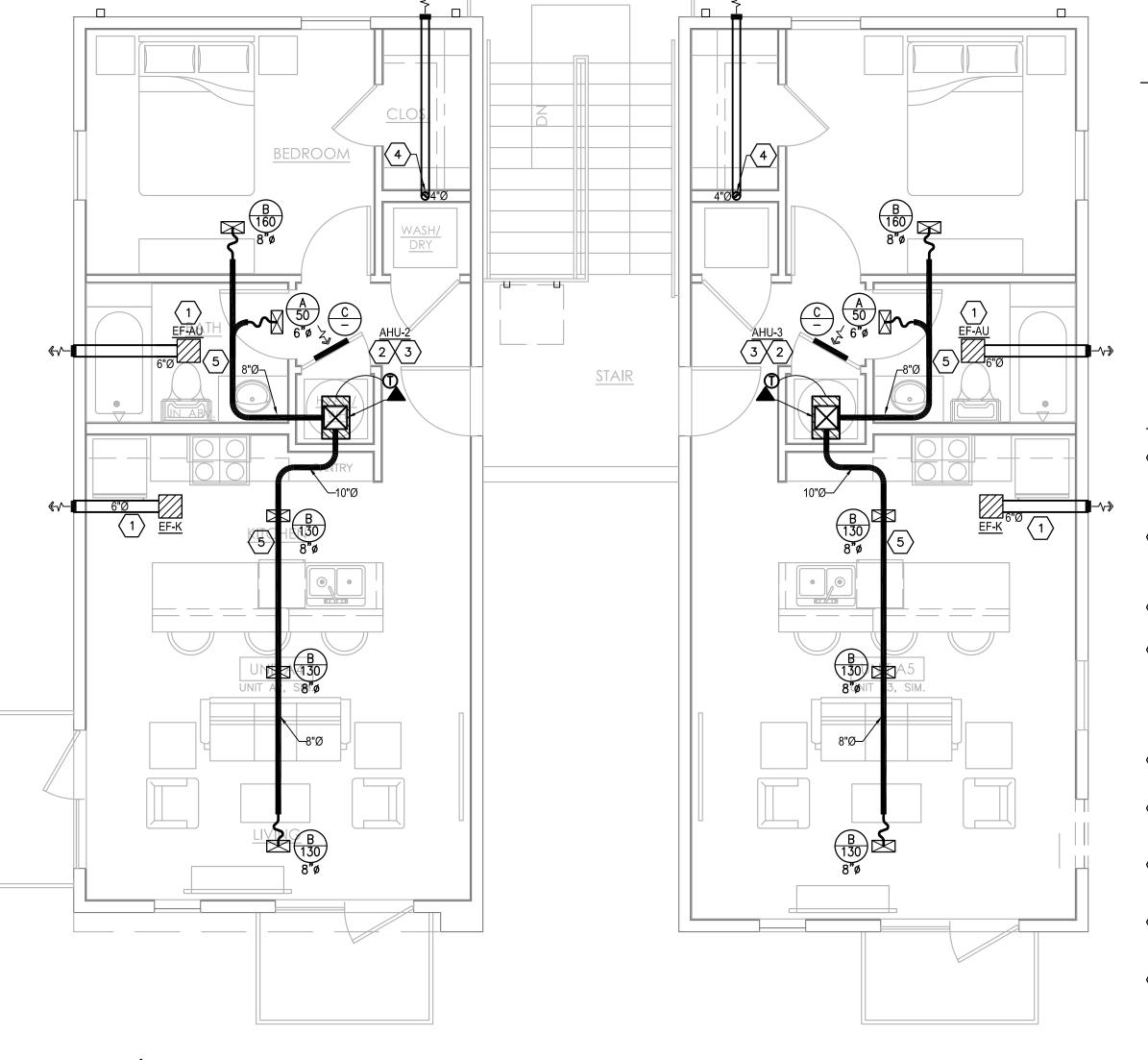
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2380 Towne Center Boulevard, Suite 1210 Baton Rouge, Louisiana 70806 225.766.8002 | Registration No. 2964 SOBE Project No. 501-180243

SALASO'BRIEN





MECHANICAL GENERAL NOTES

1. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND

COLD GALVANIZING COMPOUND.

(ARCHITECT'S) REFLECTED CEILING PLAN. 3. ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC"

4. SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

5. REFER TO ARCHITECTURAL FOR ALL SIDEWALL GRILLE MOUNTING LOCATIONS.

6. ALL CONDENSATE DRAINS TO BE 3/4" UNLESS NOTED OTHERWISE. DRAIN PANS SHALL BE MINIMUM 4" DEEP WITH POSITIVE DRAINAGE TO PLUMBING DRAIN.

7. COORDINATE ALL DUCT ROUTING WITH STRUCTURE THROUGH JOIST WEBBING.

MECHANICAL KEYED NOTES (TYP.)

- ROUTE 6"Ø EXHAUST DUCT UP TO LOW PROFILE CAP BROAN 611CM WITH 14" CURB FOR ROOF CAP OR BROAN MODEL 643 FOR WALL CAP. OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
 PROVIDE MIN 14" CURB. COORDINATE WITH DRAWING FOR DUCT
 ROUTING PER FLOOR.
- PROVIDE VERTICAL AIR HANDLER WITH VERTICAL RETURN LOCATED ON FRONT OF UNIT. REFER TO DETAIL 1/M3.00 ROUTE 3/4" CONDENSATE DRAIN LINE TO PLATFORM MOUNTED HUB DRAIN. COORDINATE WITH PLUMBING PLAN.
- HINGED BACKED FILTER RETURN IN DOOR. COORDINATE WITH ARCHITECT FOR COLOR SELECTION.
- ROUTE 4"Ø DRYER EXHAUST VENT TO LOW PROFILE CAP BROAN MODEL 611CM WITH 14" CURB FOR ROOF CAP OR BROAN MODEL 642 FOR WALL CAP. OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND COLOR SELECTION. EXHAUST DUCT SHALL BE IN ACCORDANCE WITH IMC 504. PROVIDE WITH PROPER LENGTH IDENTIFICATION LABEL. COORDINATE WITH DRAWING FOR DUCT ROUTING
- COORDINATE WITH STRUCTURAL FOR DUCT ROUTING THROUGH BLOCK OUTS IN JOIST WEBBING.
- PROVIDE 3kW 240/1/60 REZNOR EGEB ELECTRIC UNIT HEATER WITH MOUNTING KIT OR APPROVED EQUAL. INTERLOCK WITH THERMOSTAT SET TO ACTIVE <u>UH-1</u> UPON 45°F.
- 7 ROUTE REFRIGERANT LINES DOWN INSIDE EXTERIOR WALL TO RESPECTIVE LEVEL. FIELD ROUTE TO RESPECTIVE AIR HANDLING UNIT. FIELD ROUTE AS REQUIRED TO RESPECTIVE UNIT. (TYPICAL)
- 8 CONTRACTOR TO PROVIDE ROOF MOUNTED SUPPORT SYSTEM. PROVIDE WITH VIBRATION ISOLATION DAMPERS ON ROOF SUPPORT SYSTEM. SIZE AS REQUIRED PER CONDENSING UNIT MANUFACTURER. (TYPICAL)
- 9 ROOF VENT. COORDINATE WITH 2/M2.00 FOR ROUTING. (TYPICAL)

MECHANICAL THIRD FLOOR PLAN

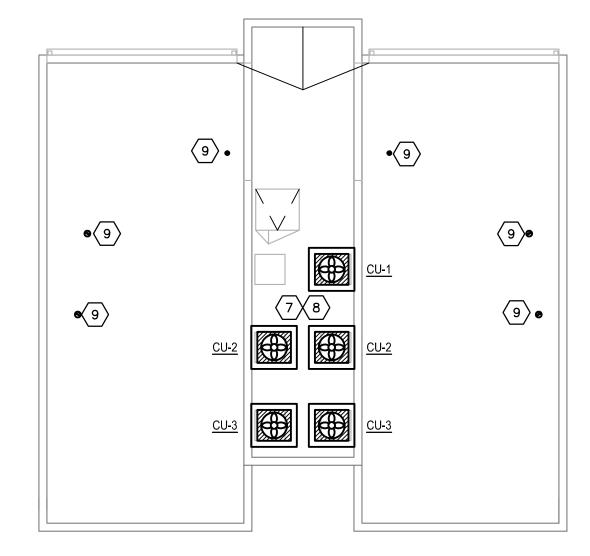
BUILDING A (BUILDING C, SIM. & BUILDING B, OP. H.)



MECHANICAL SECOND FLOOR PLAN

1/4"=1'-0" BUILDING A (BUILDING C, SIM. & BUILDING B, OP. H.)





MECHANICAL ROOF PLAN

1/8"=1'-0" BUILDING A (BUILDING C, SIM. & BUILDING B, OP. H.)

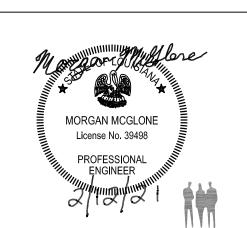


Construction Documents

Cypress River Lofts

Oklahoma Street at Duane Street Baton Rouge, Louisiana 70802

MECHANICAL FLOOR/ ROOF **PLANS**



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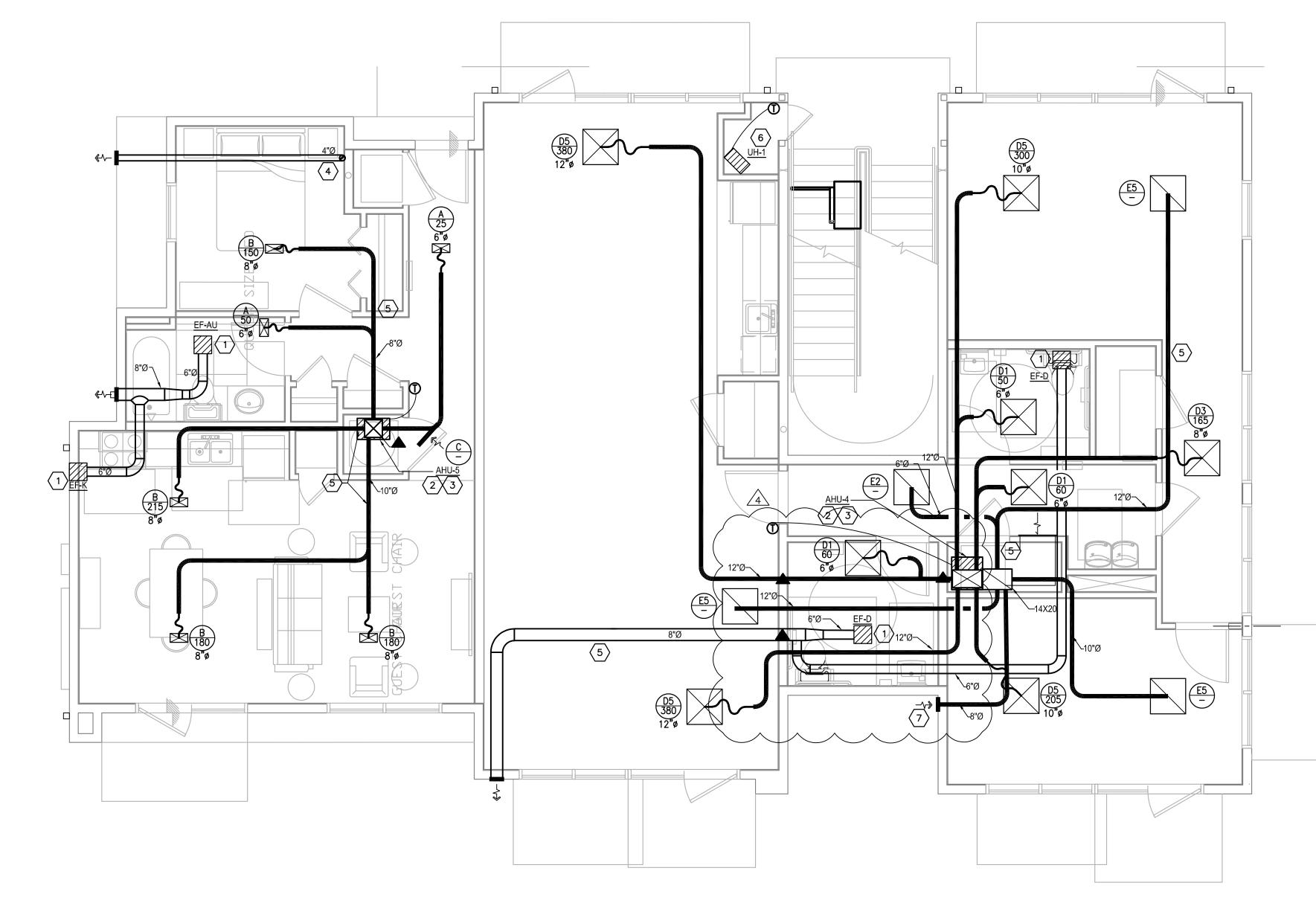
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2-12-2021 75-01-17 PROJECT NO.

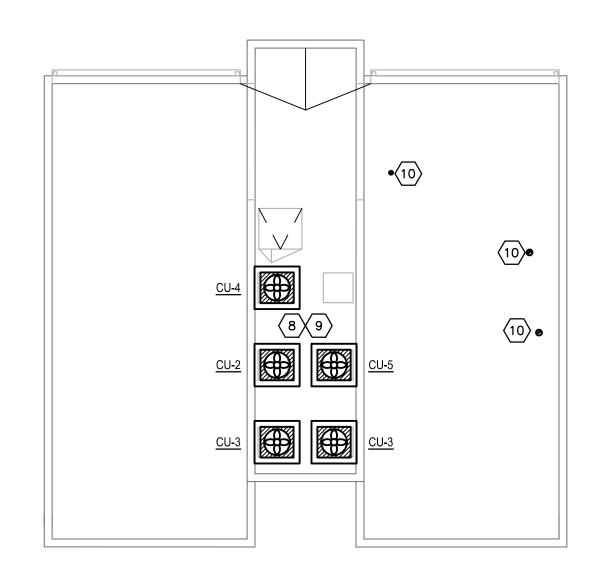
SOBE Project No. 501-180243

M2.00

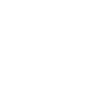


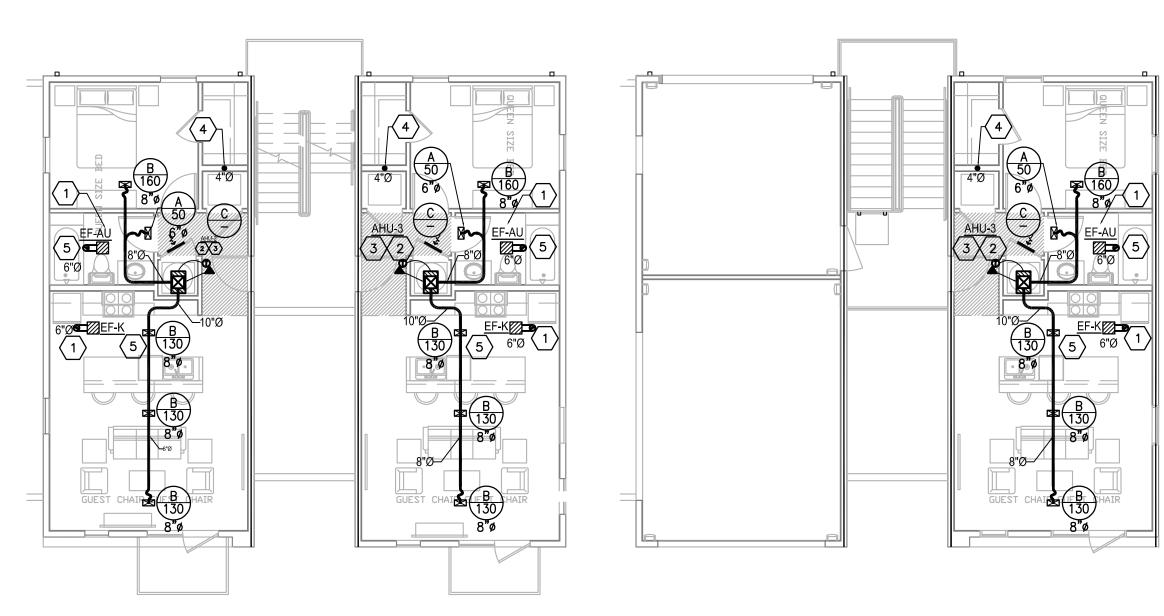
FIRST FLOOR PLAN

1/4"=1'-0" BUILDING D - 1st FLOOR FHA UNIT & PUBLIC SPACES



ROOF PLAN 1/8"=1'-0" BUILDING D





2ND & 3RD FLOOR PLAN

1/8"=1'-0" BUILDING D

MECHANICAL GENERAL NOTES

1. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN OR SPECIFIED.

2. COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH LIGHT FIXTURES AND (ARCHITECT'S) REFLECTED CEILING PLAN.

3. ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COLD GALVANIZING COMPOUND.

4. SHOP PRIME ALL MISCELLANEOUS INTERIOR BRACKETS AND HANGERS UNLESS GALVANIZED OR STAINLESS STEEL.

5. REFER TO ARCHITECTURAL FOR ALL SIDEWALL GRILLE MOUNTING LOCATIONS.

6. ALL CONDENSATE DRAINS TO BE 3/4" UNLESS NOTED OTHERWISE. DRAIN PANS SHALL BE MINIMUM 4" DEEP WITH POSITIVE DRAINAGE TO PLUMBING DRAIN.

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MECHANICAL KEYED NOTES (TYP.)

- ROUTE EXHAUST DUCT TO WALL CAP, BROAN MODEL 641 OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
- PROVIDE VERTICAL AIR HANDLER WITH VERTICAL RETURN LOCATED ON FRONT OF UNIT. REFER TO DETAIL 1/M3.00 ROUTE 3/4" CONDENSATE DRAIN LINE TO PLATFORM MOUNTED HUB DRAIN. COORDINATE WITH PLUMBING PLAN.
- HINGED BACKED FILTER RETURN IN DOOR. COORDINATE WITH ARCHITECT FOR COLOR SELECTION.
- ROUTE 4"Ø DRYER EXHAUST VENT TO DRYER VENT CAP WITH BACK DRAFT DAMPER BROAN MODEL 641. COORDINATE WITH ARCHITECT FOR COLOR SELECTION EXHAUST DUCT SHALL BE IN ACCORDANCE WITH IMC 504. PROVIDE WITH PROPER LENGTH IDENTIFICATION LABEL.
- 5 COORDINATE WITH STRUCTURAL FOR DUCT ROUTING THROUGH BLOCK OUTS IN JOIST WEBBING.
- PROVIDE 3kW 240/1/60 REZNOR EGEB ELECTRIC UNIT HEATER WITH MOUNTING KIT OR APPROVED EQUAL. INTERLOCK WITH THERMOSTAT SET TO ACTIVE <u>UH-1</u> UPON 45°F.
- PROVIDE BROAN MODEL 610FA OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT.
- 8 ROUTE REFRIGERANT LINES DOWN INSIDE EXTERIOR WALL TO RESPECTIVE LEVEL. FIELD ROUTE TO RESPECTIVE AIR HANDLING UNIT. FIELD ROUTE AS REQUIRED TO RESPECTIVE UNIT. (TYPICAL)
- 9 CONTRACTOR TO PROVIDE ROOF MOUNTED SUPPORT SYSTEM. PROVIDE WITH VIBRATION ISOLATION DAMPERS ON ROOF SUPPORT SYSTEM. SIZE AS REQUIRED PER CONDENSING UNIT MANUFACTURER. (TYPICAL)
- PROVIDE BROAN MODEL 610FA OR APPROVED EQUAL. COORDINATE WITH ARCHITECT FOR COLOR SELECTION AND MOUNTING HEIGHT.

ADDENDUM 04	8/18/2
REVISION	DATE

Construction Documents Cypress River Lofts

Oklahoma Street at Duane Street Baton Rouge, Louisiana 70802

BUILDING D - FLOOR PLANS



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2-12-2021

75-01-17

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ALASO'BRIEN

	DX FAN/COIL UNIT																	
		FA	N				COO	LING				ELECTRIC H	EATING			ELECTR	ICAL	
MARK	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. STATIC PRESSURE (IN. W.C.)		AIR TEMPER ENTERING DRY BULB	RATURE (°F) ENTERING WET BULB	NOM. TOTAL CAPACITY (BTUH)	NOM. SENSIBLE CAPACITY (BTUH)	MINIMUM EER/ SEER	NUMBER OF STAGES	ENTERING AIR TEMP. (°F)	CAPACITY	KW	NUMBER OF STAGES	MCA	MOP	VOLTAGE CHARAC.	REMARKS
AHU-1	1,400	-	0.5	1/2	75	64	42,000	31,500	-/14.0	1	67.80	38,555	9	1	53.5	60	240/1/60	1,2
AHU-2	600	-	0.5	1/3	75	64	18,000	13,500	-/14.0	1	67.01	12,800	5	1	28.4	30	240/1/60	1,2
AHU-3	600	-	0.5	1/3	75	64	18,000	13,500	-/14.0	1	67.01	12,800	5	1	28.4	30	240/1/60	1,2
AHU-4	1,600	160	0.5	3/4	75	64	48,000	36,000	-/14.0	1	67.01	34,120	10	1	53.8	60	240/1/60	1,2
AHU-5	800	-	0.5	3/4	75	64	24,000	18,000	-/14.0	1	67.01	12,800	5	1	28.4	30	240/1/60	1,2

GENERAL NOTES:

- 1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL
- PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN. 2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO
- OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC. 3. BASIS OF DESIGN MANUFACTURER/ MODEL: CARRIER FB4C42

- PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
- 2. PROVIDE WITH INTEGRAL DISCONNECT.
- 3. UNIT TO BE CONFIGURED FOR VERTICAL ROUTING.

AS10	

AIR COOLED CONDENSING UNIT													
MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM EER/ SEER	NUMBER OF STAGES	MCA	ELECTF MOP	VOLTAGE CHARAC.	RELATED UNIT MARK	REMARKS				
CU-1	42,000	95°F	-/14.0	1	23.5	40	240/1/60	AHU-1	1,2,3				
CU-2	18,000	95°F	-/14.0	1	11.8	25	240/1/60	AHU-2	1,2,3				
CU-3	18,000	95°F	-/14.0	1	11.8	25	240/1/60	AHU-3	1,2,3				
CU-4	48,000	95°F	-/14.0	1	24.3	40	240/1/60	AHU-4	1,2,3				
CU-5	24,000	95°F	-/14.0	1	14.3	25	240/1/60	AHU-5	1,2,3				

GENERAL NOTES:

- 1. MINIMUM RECOMMENDED CLEARANCE AROUND CONDENSING UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES, MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
- PROVIDE WITH LOW AMBIENT KIT.
 PROVIDE UNIT WITH HAIL COIL GUARDS.
 PROVIDE UNIT WITH LOCKING SERVICE PORTS.

2. BASIS OF DESIGN MANUFACTURER/ MODEL: CARRIER 24ABB3

GRILLE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	REMARKS
А	SUPPLY AIR	DIFFUSER	U.L. MSD	STEEL	-	TRUAIRE	133M	12"X6" LOUVERED FACE SUPPLY AIR REGISTER WITH FRAME FOR CEILING SURFACE MOUNTING
В	SUPPLY AIR	DIFFUSER	U.L. MSD	STEEL	-	TRUAIRE	133M	14"X8" LOUVERED FACE SUPPLY AIR REGISTER WITH FRAME FOR CEILING SURFACE MOUNTING
С	RETURN AIR	GRILLE	-	STEEL	-	TRUAIRE	190	24"X24" STAMPED FACE FIXED HINGE RETURN AIR GRILLE WITH FRAME FOR SURFACE MOUNTING
D	SUPPLY AIR	DIFFUSER	U.L. MSD	STEEL	-	PRICE	SMD	24"X24" LOUVERED FACE SUPPLY AIR GRILLE WITH FRAME FOR CEILING SURFACE MOUNTING
E	RETURN AIR	GRILLE	-	STEEL	-	PRICE	PDDR	24"X24" PERFORATED FACE RETURN AIR GRILLE WITH FRAME FOR SURFACE MOUNTING

1. DAMPERS NOTED AS U. L. SHALL BE A "U. L." CLASSIFIED CEILING

RADIATION DAMPER WITH THERMAL BLANKET.

1. REFER TO ARCHITECT FOR COLOR SELECTION PRIOR TO ORDERING. 2. COORDINATE WITH ARCHITECT FOR CEILING CONSTRUCTION PRIOR.

DAMPER

MARK	ACTUATOR	DUTY	BLADE ACTION	MANUFACTURER	MODEL NUMBER	REMARKS
D-1	MANUAL BALANCING	UNDER 9" WIDE	N/A	N/A	N/A	SEE SMACNA CONSTRUCTION DETAILS REFERENCED "TYPICAL CONSTRUCTION DETAILS FOR LOW VELOCITY DUCTS."
D-2	MANUAL BALANCING	OVER 9" WIDE	OPPOSED	RUSKIN	MD-35	MANUAL DAMPER WITH STANDARD CONSTRUCTION FEATURES AND VENTLOCK #637 LOCKING REGULATOR.
D-3	MOTORIZED	OVER 9" WIDE	OPPOSED	RUSKIN	CD-60	LOW LEAKAGE DAMPER WITH BLADE SEALS

NOTES:

N/A - NOT APPLICABLE

FAN

	FAN											
MARK	LOCATION	CFM	MAXIMUM RPM	EXT. STATIC PRESSURE (IN. W.C.)	HORSE POWER	VOLTAGE CHARAC.	LOCALLY SWITCHED BY	INTERLOCKED WITH	FAN TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
EF-AU	APARTMENT UNIT R/R	70	1100	0.5	80W	120/1/60	-	LIGHTS	CABINET	GREENHECK	SP	1,2,3
EF-K	APARTMENT UNIT R/R	70	1100	0.5	80W	120/1/60	SWITCH	1	CABINET	GREENHECK	SP	1,2
EF-D	BUILDING D RETAIL	70	1100	0.5	80W	120/1/60	-	LIGHTS	CABINET	GREENHECK	SP	1,2,3

- 1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
- 2. MINIMUM RECOMMENDED CLEARANCE AROUND UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.

3. FAN SHALL BE CENTRIFUGAL, BELT DRIVEN TYPE UNLESS OTHERWISE SCHEDULED.

- 1. PROVIDE WITH DECORATIVE GRILLE KIT AND CEILING RADIATION DAMPER 2. PROVIDE WITH INTERNAL SPEED CONTROLLER, BACK DRAFT DAMPER, & INTEGRAL DISCONNECT.
- 3. PROVIDE WITH GRILLE MOUNTED LIGHT KIT

BASIS OF DESIGN

THE MANUFACTURER AND MODEL NUMBER LISTED IN THE DRAWINGS OR SPECIFICATIONS ARE THE BASIS OF DESIGN. WHEN PROVIDING EQUIPMENT THAT IS NOT THE BASIS OF DESIGN, THE CONTRACTOR SHALL PROVIDE AN ITEMIZED LIST OF ALL DEVIATIONS FROM THE INFORMATION DETAILED IN BOTH THE SPECIFICATION SECTION AND SCHEDULE. ADDITIONALLY, THE EQUIPMENT MUST MEET THE PHYSICAL CONSTRAINTS OF ROOM INCLUDING COORDINATION WITH OTHER TRADES AND ALL EQUIPMENT CLEARANCES, INCLUDING OTHER TRADES. FINALLY, THE CONTRACTOR SHALL PROVIDE AT THE CONTRACTOR'S COST ANY SCOPE INCREASE AND DEDUCTIONS BASED ON THE NON-BASIS OF DESIGN EQUIPMENT FOR THE FOLLOWING MINIMUM

- ELECTRICAL MODIFICATIONS, INCLUDING WIRING, CONDUIT, DISCONNECTS, OVERCURRENT PROTECTION, PANELS, ETC.
- STRUCTURAL MODIFICATIONS.
- CIVIL MODIFICATIONS.
- PLUMBING MODIFICATIONS. • DUCT AND PIPE CONNECTIONS OR ARRANGEMENTS.
- SPACE HEATING AND COOLING REQUIREMENTS.
- EXHAUST OR VENTILATION MODIFICATIONS.
- VIBRATION ISOLATION REQUIREMENTS.

SUMMER OUTDOOR DESIGN CONDITIONS (MAXIMUM SUMMER TEMPERATURE 99.6% OF YEAR):

- 95°F DRY BULB.
- 78°F WET BULB.
- WINTER OUTDOOR DESIGN CONDITIONS (MINIMUM WINTER TEMPERATURE 99.6% OF YEAR):
- 25°F DRY BULB.
- VENTILATION BASIS OF DESIGN: ASHRAE 62.1 2007.
- INFILTRATION BASIS OF DESIGN: 0.05 CFM/SQ. FT. OF EXTERIOR WALL AREA. BUILDING OPERATING HOURS:
- FULLY OCCUPIED: 7AM 5PM M-F.
- LIGHTLY OCCUPIED: 6AM 7AM & 5PM 8PM M-F.
- VACANT: 9PM 6AM M-F & ALL DAY SA-SU.

INTERIOR SPACE REQUIREMENTS:

COOLING	COOLING	HEATING	NOISE
DESIGN	DESIGN	DESIGN	DESIGN
(°F DB)	(% RH)	(°F DB)	(NC)
75	50	72	35
75	50	72	45
75	50	72	35
70	50	-	45
75	50	72	45
	DESIGN (°F DB) 75 75 75 70	DESIGN DESIGN (°F DB) (% RH) 75 50 75 50 75 50 70 50	DESIGN DESIGN DESIGN (°F DB) (% RH) (°F DB) 75 50 72 75 50 72 75 50 72 75 50 72 70 50 -

Construction Documents

Cypress River Lofts

Oklahoma Street at Duane Street Baton Rouge, Louisiana 70802

MECHANICAL SCHEDULES



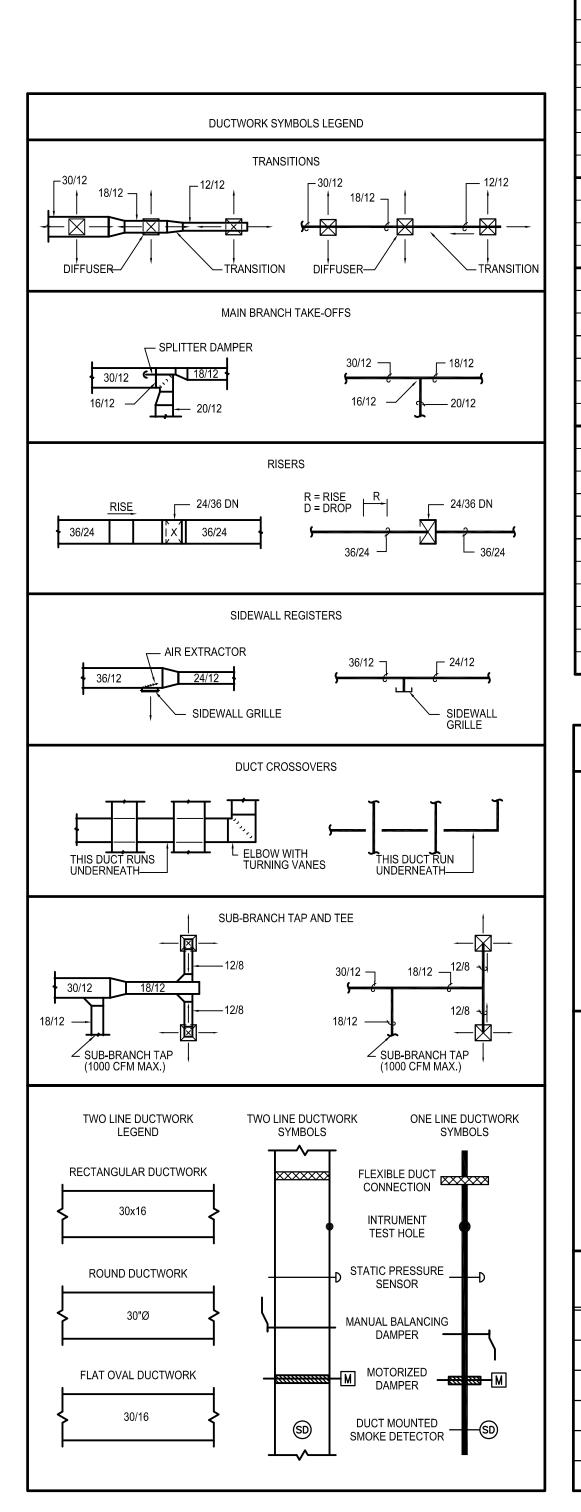
| remson| haley | herpinarchitect

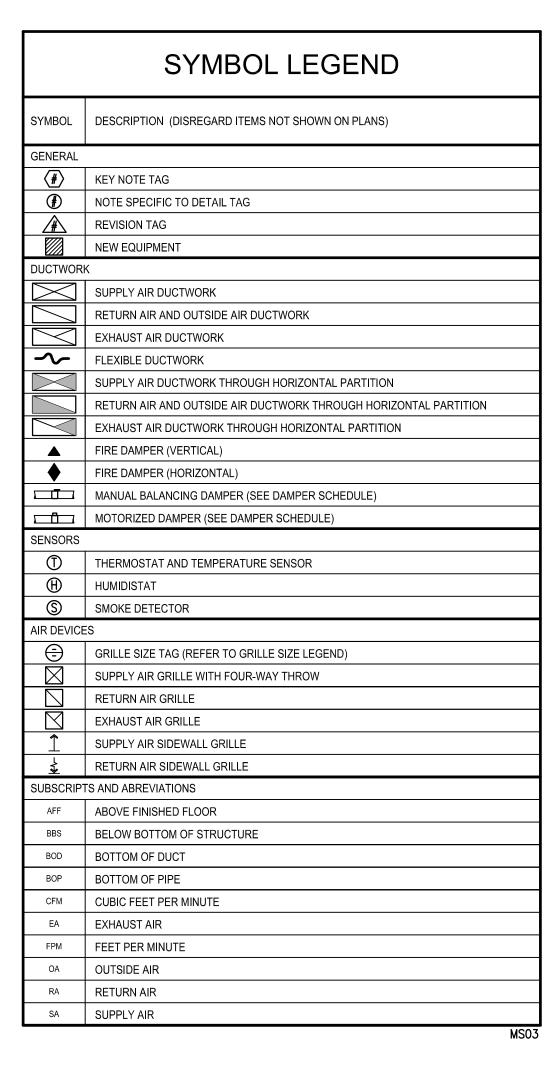
200 GOVERNMENT STREET | SUITE 100 BATON ROUGE, LOUISIANA 70802 © 2018 REMSON HALEY HERPIN ARCHITECT A PROFESSIONAL ARCHITECTURAL CORPORATION

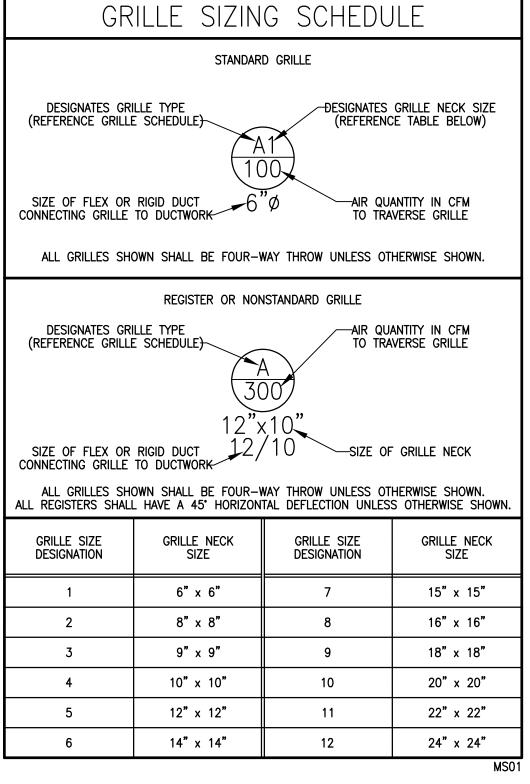
2380 Towne Center Boulevard, Suite 1210 Baton Rouge, Louisiana 70806 225.766.8002 | Registration No. 2964

SALASO'BRIEN

SOBE Project No. 501-180243

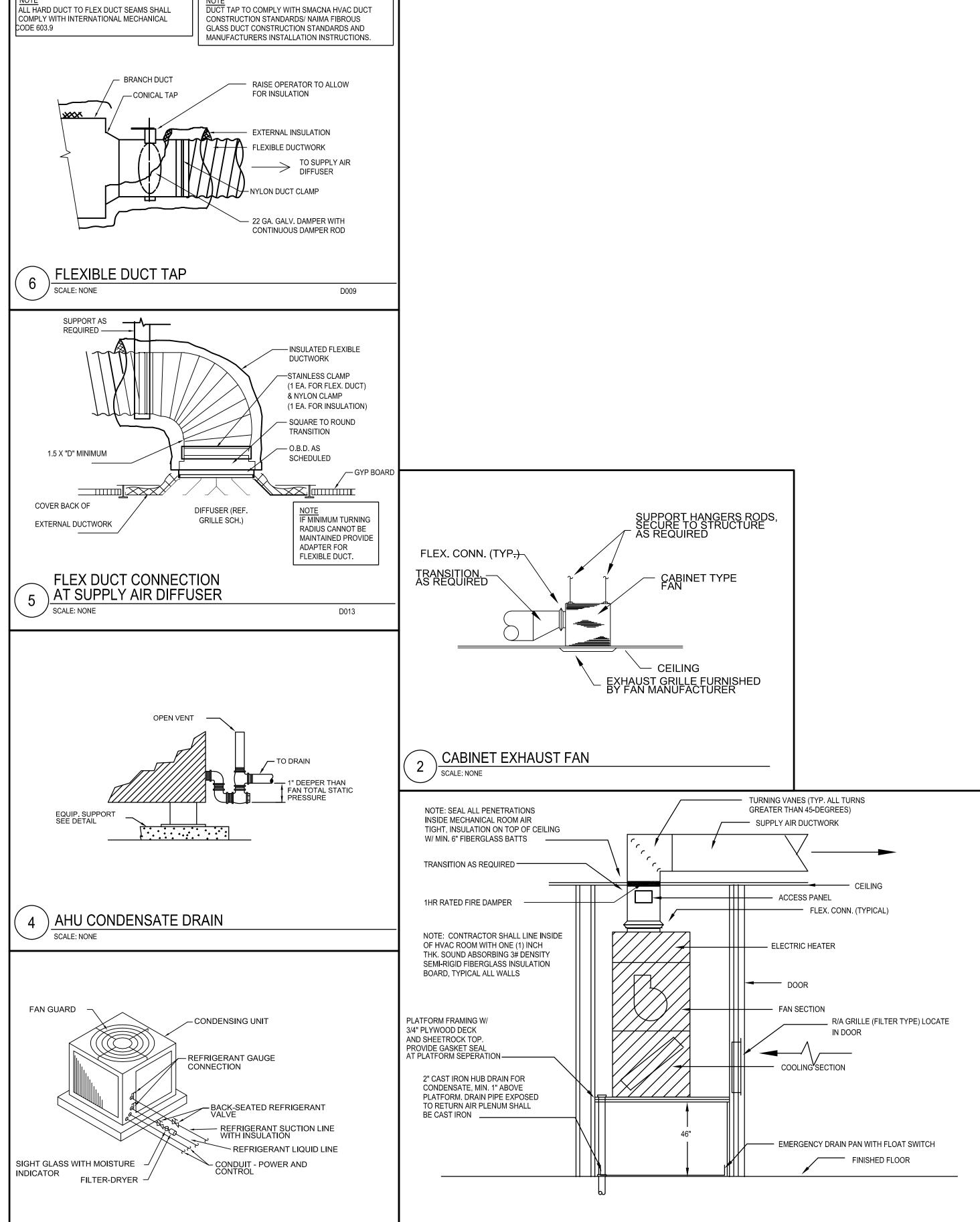




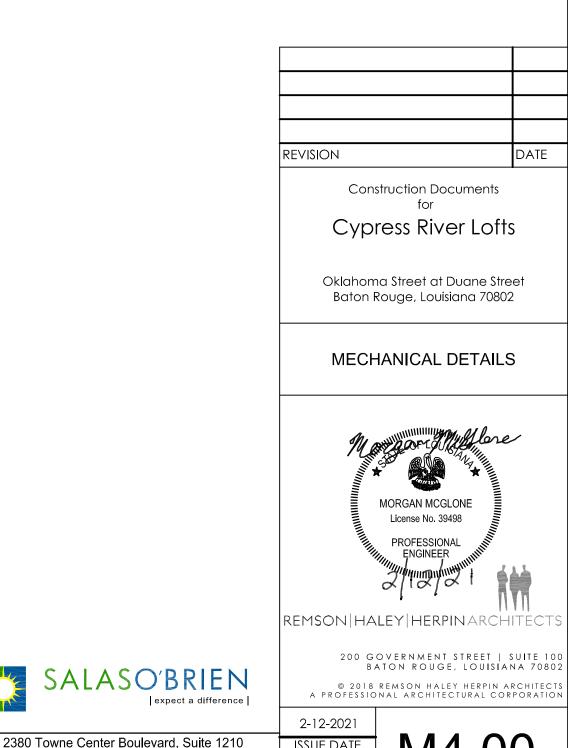


CONDENSING UNIT

SCALE: NONE



DETAIL-VERTICAL AIR HANDLING UNIT - NON ADA UNITS



75-01-17

PROJECT NO.

Baton Rouge, Louisiana 70806

225.766.8002 | Registration No. 2964 SOBE Project No. 501-180243

DATE

MECHANICAL SPECIFICATIONS

GENE

A. PERFORM WORK IN ACCORDANCE WITH APPLICABLE STATUTES, ORDINANCES, CODES AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

B. OBTAIN ALL PERMITS REQUIRED.

C. CONTRACT DRAWINGS ARE DIAGRAMMATIC ONLY AND DO NOT GIVE FULLY DIMENSIONED LOCATIONS OF VARIOUS ELEMENTS OF WORK. DETERMINE EXACT LOCATIONS FROM FIELD MEASUREMENTS.

D. GUARANTEE WORK FOR 1 YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT. DURING THAT PERIOD MAKE GOOD ANY FAULTS OR IMPERFECTIONS THAT MAY ARISE DUE TO DEFECTS OR OMISSIONS IN MATERIAL, EQUIPMENT OR WORKMANSHIP. AT THE OWNER'S OPTION, REPLACEMENT OF FAILED PARTS OR EQUIPMENT SHALL BE PROVIDED.

E. IMMEDIATELY PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT, REPLACE AIR

F. PROVIDE EQUIPMENT HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED AND GROUND MOUNTED HVAC EQUIPMENT, AND AS SHOWN ON THE DRAWINGS. CONCRETE PADS ARE TO BE 4" THICK UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

G. PROVIDE NAMEPLATES WITH 1/2" HIGH LETTERS AND FASTENED WITH EPOXY OR SCREWS.

H. MAINTAIN QUALITY CONTROL OVER SUPERVISION, SUBCONTRACTORS, SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS AND WORKMANSHIP TO PRODUCE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.

I. COMPLY WITH INDUSTRY STANDARDS EXCEPT WHEN MORE RESTRICTIVE TOLERANCES OR SPECIFIED REQUIREMENTS INDICATE MORE RIGID STANDARDS OR MORE PRECISE WORKMANSHIP

J. PERFORM WORK BY PERSONS QUALIFIED TO PRODUCE WORKMANSHIP OF SPECIFIED

K. SECURE PRODUCTS IN PLACE WITH POSITIVE ANCHORAGE DEVICES DESIGNED AND SIZED TO WITHSTAND STRESSES, VIBRATION, AND RACKING. UNDER NO CONDITIONS SHALL MATERIAL OR EQUIPMENT BE SUSPENDED FROM STRUCTURAL BRIDGING.

L. PROVIDE FINISHES TO MATCH APPROVED SAMPLES. ALL EXPOSED FINISHES SHALL BE APPROVED BY THE ARCHITECT. SUBMIT COLOR SAMPLES AS REQUIRED

M. COMPLY WITH INSTRUCTIONS IN FULL DETAIL, INCLUDING EACH STEP IN SEQUENCE.
SHOULD INSTRUCTION CONFLICT WITH CONTRACT DOCUMENTS, REQUEST CLARIFICATION FROM ARCHITECT / ENGINEER BEFORE PROCEEDING.

TESTING, BALANCING AND ADJUSTING

A. VERIFY AND RECORD THE TESTING RESULTS PERFORMED BY THE MECHANICAL CONTRATOR.

B. THE OUTSIDE AIR, SUPPLY AIR, RETURN AIR, AND EXHAUST AIR FOR THE SYSTEM SHALL BE ADJUSTED TO WITHIN +/- 10 % OF THE VALUE SCHEDULED ON THE DRAWINGS.

C. SUPPLY FANS: TEST AND ADJUST FAN RPM TO ACHIEVE DESIGN CFM REQUIREMENTS.
TEST AND RECORD MOTOR VOLTAGE AND APERAGES. COMPARE DATA WITHT THE NAMEPLATE
LIMITS TO ENSURE FAN MOTOR IS NOT IN OR ABOVE THE SERVICE FACTOR. TEST AND
ADJUST THE OUTSIDE AIR ON APPLICABLE EQUIPMENT USING A PITOT-TUBE TRAVERSE.

D. EXHAUST FANS: TEST, ADJUST, AND BALANCE EACH DIFFUSER, GRILLE, AND REGISTER TO WITHIN 10 % OF DESIGN REQUIREMENTS. OBSERVE THROWS ARE IN DIRECTION AS INDICATED ON DRAWINGS. ONCE AIR FLOWS ARE SET TO ACCEPTABLE LIMITS, TAKE WET BULB AND DRY BULB AIR TEMPERATURES ON THE ENTERING AND LEAVING SIDE OF EACH COIL

E. DIRECT EXPANSION EQUIPMENT: WITH EACH UNIT OPERATING AT NEAR DESIGN CONDITIONS, MEASURE AND RECORD THE FOLLOWING: MANUFACTURER, MODEL NUMBER, SERIAL NUMBER AND ALL NAMEPLATE DATA. AMBIENT TEMPERATURE, CONDENSER DISCHARGE TEMPERATURE. AMPERAGE AND VOLTAGE FOR EACH PHASE. LEAVING AND ENTERING AIR TEMPERATURES. SUCTION AND DISCHARGE PRESSURES AND TEMPERATURES. TONS OF COOLING. VERIFICATION THAT MOISTURE INDICATOR SHOWS DRY REFRIGERANT.

F. TAB REPORT:THE ACTIVITIES DESCRIBED IN THIS SECTION SHALL BE RECORDED IN REPORT FORM TO BE PROVIDED IN QUADRUPLICATE (4), INDIVIDUALLY BOUND, TO THE ARCHITECT AND ENGINEER. NEATLY TYPE AND ARRANGE DATA. INCLUDE WITH THE DATA THE DATE TESTED, PERSONNEL PRESENT, WEATHER CONDITIONS, NAMEPLATE RECORD OF THE TEST INSTRUMENTS USED AND LIST ALL MEASUREMENTS TAKEN AFTER ALL CORRECTIONS ARE MADE TO THE SYSTEM. RECORD ALL FAILURES AND CORRECTIVE ACTION TAKEN TO REMEDY ANY INCORRECT SITUATION. THE INTENT OF THE FINAL REPORT IS TO PROVIDE A REFERENCE OF ACTUAL OPERATING CONDITIONS FOR THE OWNER'S OPERATIONS PERSONNEL.

AIR DEVICES

A. FURNISH AND INSTALL AIR DISTRIBUTION DEVICES, INCLUDING GRILLES, DIFFUSERS, REGISTERS, DAMPERS, AND EXTRACTORS.

B. ACCEPTABLE MANUFACTURERS: TUTTLE AND BAILEY, TITUS, KRUEGER, METAL-AIRE, NAILOR INDUSTRIES, PRICE,M TRUAIRE

AIR FILTERS

A. AIR FILTERS: FURNISH AND INSTALL A DISPOSAL MEDIA AND FRAME FILTER WITH RESISTANCE TO AIR FLOW OF A CLEAN FILTER NOT TO EXCEED 0.12" WG AT 300 FPM.

B. INSTALL THE FILTERS AND FILTER GAUGES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SYSTEM CONTROL

A. GENERAL EXHAUST FANS SHALL BE INTERLOCKED WITH LIGHTS IN ROOM UNLESS OTHERWISE

B. FAN COIL UNIT / CONDENSING UNIT SHALL GO INTO OCCUPIED/UNOCCUPIED MODE AT TIME SET THROUGH PROGRAMMED THERMOSTAT (CONSULT WITH OWNER FOR TIMES). A SPACE TEMPERATURE SENSOR SHALL MAINTAIN DESIRED SET POINT TEMPERATURE. IF UNIT HAS (2) COMPRESSORS, FAN COIL SHALL RUN AT HALF SPEED WHEN ONLY ONE COMPRESSOR IS ENEGERIZED TO MAINTAIN COLDEST AIR POSSIBLE. UNIT SHALL BE SET TO RUN IN "AUTO" MODE ONLY. THE OUTSIDE AIR DAMPER SHALL BE INTERLOCKED TO ONLY OPEN WHEN THE UNIT IS

C. KITCHEN HOOD & DISHWASHER HOOD EXHAUST FAN'S LOCAL KITCHEN HOOD SWITCH TO TURN ON KITCHEN HOOD EXHAUST FAN. INTERLOCK DISHWASHER EXHAUST FAN TO OPERATE WHEN DISHWASHER IS OPERATING.

D. KITCHEN HOOD SUPPLY AIR UNIT SHALL BE INTERLOCKED WITH KITCHEN EXHAUST FAN.

E. FAN COIL UNIT / CONDENSING UNIT WITH HUMIDITY CONTROL UNIT SHALL GO INTO OCCUPIED/UNOCCUPIED MODE AT TIME SET THROUGH PROGRAMMED THERMOSTAT (CONSULT WITH OWNER FOR TIMES) A SPACE TEMPERATURE SENSOR SHALL MAINTAIN DESIRED SET POINT TEMPERATURE. IF UNIT HAS (2) COMPRESSORS, FAN COIL SHALL RUN AT HALF SPEED WHEN ONLY ONE COMPRESSOR IS ENEGERIZED TO MAINTAIN COLDEST AIR POSSIBLE. A HUMIDITY SENSOR IN THE SPACE SHALL MAINTAIN DESIRED SPACE HUMIDITY. THE HEATER SHALL STAGE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE. UNIT SHALL BE SET TO RUN IN "AUTO" MODE. ONLY. THE OUTSIDE AIR DAMPER SHALL BE INTERLOCKED TO ONLY OPEN WHEN THE UNIT IS OPERATING.

F. PACKAGED ROOF TOP UNIT SHALL GO INTO OCCUPIED/UNOCCUPIED MODE AT TIME SET THROUGH PROGRAMMED THERMOSTAT (CONSULT WITH OWNER FOR TIMES). A SPACE TEMPERATURE SENSOR SHALL MAINTAIN DESIRED SET POINT TEMPERATURE. IF UNIT HAS (2) COMPRESSORS, FAN COIL SHALL RUN AT HALF SPEED WHEN ONLY ONE COMPRESSOR IS ENEGERIZED TO MAINTAIN COLDEST AIR POSSIBLE. UNIT SHALL BE SET TO RUN IN "AUTO" MODE ONLY. THE OUTSIDE AIR DAMPER SHALL BTE E INTERLOCKED TO ONLY OPEN WHEN THE UNIT IS OPERATING.

AIR-COOLED CONDENSING UNITS

A. FURNISH AND INSTALL AIR-COOLED CONDENSING UNITS COMPLETE WITH CASING, COMPRESSOR, CONDENSER COIL, CONDENSER FAN AND CONTROLS REQUIRED FOR A SPLIT AIR CONDITIONING SYSTEM.

B. PROVIDE PERFORMANCE AS SCHEDULED ON DRAWINGS, AND HEAD PRESSURE CONTROL TO ENABLE UNIT TO OPERATE IN TEMPERATURES AS LOW AS 20 F.

C. ACCEPTABLE MANUFACTURERS: CARRIER, TRANE, LENNOX, PAYNE, YORK.

D. COMPRESSOR: PROVIDE A HERMETIC OR SEMI-HERMETIC COMPRESSOR WITH CRANKCASE HEATERS, INHERENTLY PROTECTED MOTORS, SPRING MOUNTS AND CAPACITY MODULATION. PROVIDE EACH COMPRESSOR WITH A 5-YEAR WARRANTY.

E. CONDENSER COILS: PROVIDE COPPER TUBES WITH MECHANICALLY BONDED ALUMINUM FINS. PROTECT CONDENSER COILS WITH A HEAVY GAUGE, CORROSION RESISTANT WIRE GUARD.

F. FANS AND MOTORS: PROVIDE PROPELLER-TYPE FANS WITH DIRECT DRIVE OR BELT DRIVE AND VERTICAL DISCHARGE. PROTECT FAN WITH A HEAVY-GAUGE, CORROSION RESISTANT WIRE GUARD. PROVIDE INHERENTLY PROTECTED, PERMANENTLY LUBRICATED, AND WEATHERPROOF

G. CONTROLS: PROVIDE SAFETY AND OPERATING CONTROLS FACTORY WIRED AND MOUNTED IN A SEPARATE ENCLOSURE. INCLUDE HIGH AND LOW PRESSURE SWITCHES AND COMPRESSOR MOTOR OVERLOAD DEVICES. FURNISH A TIME DELAY DEVICE TO PREVENT SHORT CYCLING. EMPLOY A CONTROL TRANSFORMER, A PRESSURE RELIEF DEVICE AND SUCTION AND DISCHARGE VALVES WITH SERVICE CONNECTIONS.

H. THERMOSTAT: LOW VOLTAGE THERMOSTAT IS A COMPONENT OF THE UNIT MANUFACTURER UNLESS SPECIFIED IN ANOTHER SECTION. INDIVIDUAL HEATING/COOLING SETPOINTS. AUTOMATIC HEAT/COOL CHANGE-OVER. SUB-BASE ON-OFF-AUTO FAN SELECTION. SUB-BASE HEAT-OFF-COOL-AUTO SYSTEM SELECTION.

I. INSTALLATION: MOUNT CONDENSING UNITS ON 4" FOUNDATION PADS AND PIPE AS SHOWN ON DRAWINGS OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. INSTALL REMOVABLE CORE REFRIGERANT FILTER DRYER AND SIGHT INDICATING GLASS.

J. CONTROL WING: FURNISH AND INSTALL CONTROL WIRING AS REQUIRED. INSTALL CONTROL WIRING IN CONDUIT.

FAN COIL UNITS

A. ACCEPTABLE MANUFACTURERS: TRANE, CARRIER, LENNOX, YORK

B. FAN SECTION: LOCATE THE MOTOR AND DRIVE ASSEMBLY INSIDE THE CABINET. SIZE EACH V-BELT DRIVE FOR 50 % OVERLOAD. ADJUSTABLE PITCH MOTOR PULLEY. PROVIDE BUILT-IN MOTOR PROTECTION PROVIDE A BELT ADJUSTMENT MEANS. SELECT THE FAN MOTOR SO THAT THE BRAKE HORSEPOWER REQUIRED TO DELIVER THE DESIGN AIR QUANTITY AT THE SYSTEM STATIC PRESSURE WILL NOT EXCEED THE MOTOR NAMEPLATE AMPERAGE RATING.

C. UNIT HOUSING: CONSTRUCT THE UNIT OF GALVANIZED STEEL SHEETS, AND FORMED MEMBERS. INTERNALLY INSULATE THE ENTIRE UNIT WITH NEOPRENE COATED, 1-1/2 LB. DENSITY GLASS FIBER INSULATION, APPLIED TO INTERNAL SURFACES WITH ADHESIVE AND WELD PINS. COAT EXPOSED EDGES OF INSULATION WITH ADHESIVE. PROVIDE A DUCT FLANGE ON FOUR SIDES OF THE RETURN AIR INLET AND SUPPLY AIR OUTLET OF THE

D. CONDENSATE DRAIN PANS: PROVIDE IAQ STYLE DRAIN PANS SHALL BE PROVIDED UNDER ALL COILS. PITCH TO DRAIN CONNECTION

CONDENSATE PIPING

A. TYPE "L" COPPER WITH DRAINAGE PATTERN FITTINGS IN RETURN PLENUM AREAS, PVC WITH DRAINAGE PATTERN FITTINGS IN NON-PLENUM AREAS.

B. INSTALL THE SYSTEM TO FACILITATE EASY REMOVAL, USE THREADED PLUGGED TEE AT EACH CHANGE OF DIRECTION TO PERMIT CLEANING, INSTALL A CLEANOUT EVERY 50 FEET OF STRAIGHT RUN PIPING, MAINTAIN A POSITIVE SLOPE ON ALL PIPING

C. INSTALL A WATER SEAL TRAP LEG BASED ON THE FAN PRESSURE. SIZE THE LENGTH OF THE TRAP LEG 1 INCH LARGER THAN THE ACTUAL SYSTEM PRESSURE.

D. DO NOT INSTALL PIPING SIZED SMALLER THAN THE UNIT DRAIN CONNECTION SIZE.

E. INSULATE PIPING WITH 3/4" ELASTOMERIC INSULATION FOR ALL PIPE BELOW ROOF. INSULATION TO BE 25/50 FLAME AND SMOKE RATING.

FANS

A. PROVIDE FAN TYPE, ARRANGEMENT, ROTATION, CAPACITY, SIZE, MOTOR HORSEPOWER, AND MOTOR VOLTAGE AS SHOWN. FAN CAPACITIES AND CHARACTERISTICS ARE SCHEDULED ON THE DRAWINGS. PROVIDE FANS CAPABLE OF ACCOMMODATING STATIC PRESSURE VARIATIONS OF +10 % OF SCHEDULED DESIGN AT THE DESIGN AIR FLOW.

B. ACCEPTABLE MANUFACTURERS: COOK, GREENHECK, PENN VENTILATOR, ACME, CARNES, TWIN CITY

C. SAFETY DISCONNECT SWITCH: PROVIDE A FACTORY-WIRED TO MOTOR, SAFETY DISCONNECT SWITCH ON EACH UNIT.

D. DAMPERS. WHERE AUTOMATIC BACKDRAFT DAMPER IS SCHEDULED: MULTI-BLADED, ROLL FORMED ALUMINUM BLADES, NYLON BEARINGS, NEOPRENE WEATHER STRIP ON BLADE EDGE.

DUCTWORK

A. DUCT MATERIAL AND CONSTRUCTION: USE LOCK FORMING QUALITY PRIME GALVANIZED STEEL SHEETS OR COILS UP TO 60" WIDE. STENCIL EACH SHEET WITH GAUGE AND MANUFACTURER'S NAME. STENCIL COILS OF SHEET STEEL THROUGHOUT ON 10' CENTERS WITH GAUGE AND MANUFACTURER'S NAME. PROVIDE CERTIFICATION OF DUCT GAUGE AND MANUFACTURER FOR EACH SIZE DUCT.

B. RECTANGULAR LOW PRESSURE DUCT CONSTRUCTED OF SHEET METAL IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.

C. LOW PRESSURE ROUND DUCTS SHALL BE SHOP FABRICATED WITH SNAP LOCK LONGITUDINAL SEAMS. DUCTS SHALL BE CONSTRUCTED FOR A MINIMUM OF 2" W.G. STATIC PRESSURE. MEDIUM PRESSURE ROUND DUCTWORK SHALL BE WELDED SPIRAL SEAM SUCH AS MANUFACTURED BY UNITED SHEET METAL COMPANY. SEAMS AND JOINTS OF ALL MEDIUM PRESSURE DUCTWORK SHALL BE CONTINUOUSLY WELDED.

D. FLEXIBLE DUCT LOW PRESSURE SHALL BE A CONTINUOUS GALVANIZED SPRING STEEL WIRE HELIX, WITH REINFORCED METALIZED COVER, REINFORCED VAPOR BARRIER JACKET RATED FOR USE AT SYSTEM PRESSURE (6" WC MINIMUM). THERMAL CHARACTERISTICS OF R-6 BTU/HR/SQ. FT./ F AND 2" WALL THICKNESS INSULATION WITH 1" OVERLAP. ACCEPTABLE MANUFACTURERS: FLEXMASTER, HART & COOLEY,OMNIAIR

E. DUCT LINING SHALL BE 1" THICK, 1 1/2 LB. DENSITY, FLEXIBLE LINING COATED ON THE AIR STREAM SIDE TO REDUCE ATTRITION. LINER SHALL BE SCHULER LINA-COUSTIC, CERTAIN TEED ULTRALITE, OR EQUAL MEETING REQUIREMENTS OF NFPA 90 A. PROVIDE

F. VOLUME DAMPERS: MANUAL BALANCING DAMPERS THAT MEET OR EXCEED THE FOLLOWING MINIMUM CONSTRUCTION STANDARDS: FRAME 16-GAUGE, BLADES 16-GAUGE, BEARINGS CORROSION RESISTANT, OPPOSED BLADE DAMPERS

G. INSTALLATION: USE CONSTRUCTION METHODS AND REQUIREMENTS AS OUTLINED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS AS WELL AS SMACNA BALANCING AND ADJUSTING PUBLICATIONS, UNLESS INDICATED OTHERWISE IN THE SPECIFICATIONS. REFER TO DETAILS ON THE DRAWINGS FOR ADDITIONAL INFORMATION. REINFORCE DUCTS IN ACCORDANCE WITH RECOMMENDED CONSTRUCTION PRACTICE OF SMACNA. PROVIDE ADDITIONAL REINFORCEMENT OF LARGE PLENUMS AS REQUIRED TO PREVENT EXCESSIVE FLEXING AND OR VIBRATION.

I. WALL LOUVERS: REFER TO SCHEDULE ON DRAWINGS. COORDINATE WITH ARCHITECTURAL DRAWINGS. ALL LOUVER FRAMES SHALL BE A MINIMUM OF 0.08" EXTRUDED ALUMINUM. ALL BLADES SHALL BE A MINIMUM OF 0.081" EXTRUDED ALUMINUM. BEGINNING POINT OF WATER PENETRATION AT 0.01 OZ/SQ.FT. SHALL BE A MINIMUM OF 800 FT/MIN. PROVIDE ALL LOUVERS WITH REMOVABLE ALUMINUM BIRD SCREEN WITH 1/4" MESH.

DUCTWORK INSULATION

A. FURNISH AND INSTALL EXTERNAL INSULATION ON SUPPLY, RETURN, EXHAUST AND FRESH AIR DUCTWORK.

B. ALL DUCT INSULATION USED ON THE PROJECT INSIDE THE BUILDING MUST HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50 AS DETERMINED BY TEST PROCEDURES ASTM E84, NFPA 255 AND UL 723.

C. CONDENSATION ON ANY INSULATED SYSTEM IS NOT APPROVED.

D. INSULATION: GLASS FIBER BLANKET DUCT INSULATION. ACCEPTABLE MANUFACTURERS ARE: MANVILLE R-SERIES MICROLITE FSKL, OWENS-CORNING ED100 RKF, KNAUF 1.0 PCF

E. REINFORCED FOIL TAPE: ACCEPTABLE MANUFACTURERS ARE: VENTURE 1525CW, 3" FSK.

REFRIGERANT PIPING

A. REFRIGERANT PIPING: TYPE K HARD-DRAWN COPPER TUBING WITH SWEAT-TYPE, WROUGHT COPPER FITTINGS, CAST FITTINGS ARE NOT PERMITTED.

B. PRESSURE TEST: CHARGE THE SYSTEM WITH DRY NITROGEN AND TEST TO 300 PSIG. TEST JOINTS WITH A HALIDE TORCH OR AN ELECTRONIC LEAK DETECTOR. RETEST SYSTEM UNTIL PROVEN TIGHT.

C. EVACUATION AND DRYING: AFTER REFRIGERANT SYSTEM HAS BEEN PRESSURE TESTED, CONNECT A SUITABLE VACUUM PUMP AND EVACUATE PIPING SYSTEM, INCLUDING LINES AND EQUIPMENT. MAINTAIN A VACUUM AS HIGH AS PRACTICABLE FOR LONG ENOUGH TO EVAPORATE THE MOISTURE IN THE SYSTEM (AT LEAST 48 HOURS). CHECK THE HUMIDITY WITHIN THE SYSTEM WITH A WET BULB INDICATOR, AND MAINTAIN THE VACUUM UNTIL THE WET BULB TEMPERATURE IS REDUCED TO -40° F. AFTER THE SYSTEM HAS BEEN EVACUATED AND DRIED, BREAK THE VACUUM BY CHARGING PROPER REFRIGERANT INTO THE SYSTEM.

D. INSULATION: ELASTOMERIC INSULATION WITH A MINIMUM THICKNESS OF 3/4" WITH A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS. THERMAL CONDUCTIVITY OF 0.27 AT 75°F MEAN (ASTM C177 OR C 518). INSULATION TO BE ARMSTRONG OR APPROVED EQUAL. ALL INSULATION IS TO BE COVERED BY SMOOTH FABRICATED Z-LOCK ALUMINUM JACKET 0.016" THICK WITH A FACTORY APPLIED 1 MIL POLYETHYLENE/40LB AND FAB STRAP. KRAFT MOISTURE BARRIER. CHILERS LOCK-ON OR APPROVED EQUAL.

REVISION DATE

Cypress River Lofts

Construction Documents

Oklahoma Street at Duane Street Baton Rouge, Louisiana 70802

MECHANICAL SPECIFICATIONS



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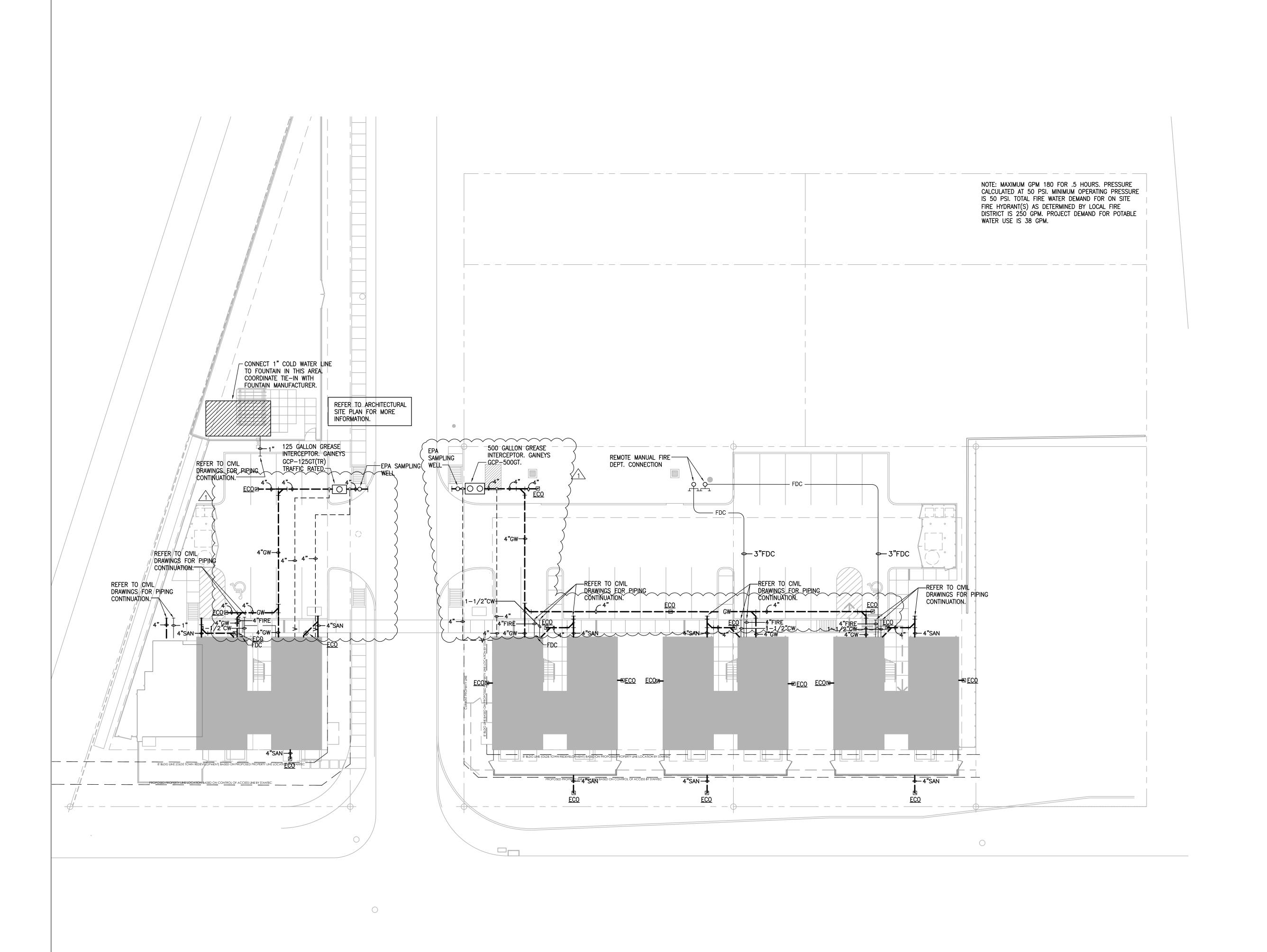
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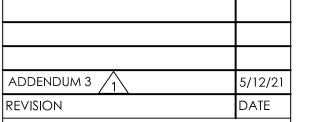
ALASO'BRIEN

expect a difference



SITE PLAN NOTES

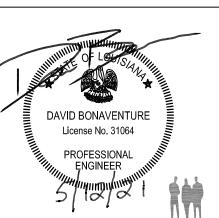
- 1. SLOPE ALL EXTERIOR SANITARY PIPING AT 1/8" PER
- 2. INVERT ELEVATIONS LISTED ARE APPROXIMATE. PRIOR TO CONSTRUCTION, COORDINATE FINAL INVERT ELEVATIONS OF BUILDING SANITARY AND STORM OUTFALLS AND SITE PIPING WITH SITE UTILITY CONTRACTOR. MAKE ADJUSTMENTS AS REQUIRED TO ENSURE PROPER CONNECTIONS TO SITE UTILITIES.
- 3. REFER TO LATEST ARCHITECTURAL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION.
- 4. PROVIDE 4" EXTERIOR CLEANOUTS TO GRADE AT EVERY 75' AND AT EVERY CHANGE OF DIRECTION OF SANITARY PIPING OUTSIDE OF BUILDING.
- 5. FIELD VERIFY EXACT LOCATION, SIZE, DEPTH, DIRECTION OF FLOW, CAPACITY, PIPE MATERIAL AND CONDITION OF EXISTING SANITARY PIPE PRIOR TO MAKING ANY NEW CONNECTIONS.
- 6. MAINTAIN A MINIMUM DISTANCE OF 6 FEET BETWEEN THE SEWER AND WATER LINE.



Construction Documents Cypress River Lofts

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PLUMBING SITE PLAN



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PLUMBING SITE PLAN

1'=1/16''

BLDG A,B,C-FIRE SPRINKLER NOTE: LICENSED SPRINKLER ENGINEER OR LICENSED SPRINKLER CONTRACTOR, LICENSED SPRINKLER ENGINEER OR LICENSED SPRINKLER CONTRACTOR,
TO PROVIDE DRAWINGS AND CALCULATIONS FOR AN AUTOMATIC FIRE
SPRINKLER SYSTEM FOR THE TENANT SPACE, TO COMPLY WITH SPACE
LAYOUT, NFPA 13R, ALL STATE, AND LOCAL CODE REQUIREMENTS.
THE FOLLOWING FIRE HYDRAULIC INFORMATION WAS TESTED BY CONWAY
CORPORATION WATER SYSTEM ENGINEERS AT ELEVATION OF 310' MSI DURING
EXISTING MAX DAY OF DEMAND. STATIC PRESSURE @ 55 PSI, FLOW @ 1500 GPM, RESIDUAL PRESSURE @ 37 PSI. REFER TO SPECIFICAITONS FOR ADDITIONAL INFORMATION.

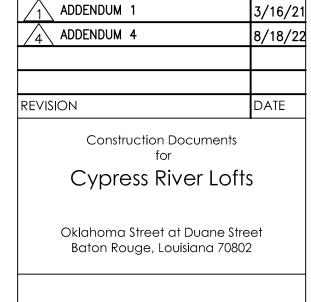
GENERAL NOTES

AN ALTERNATE PIPING PLAN.

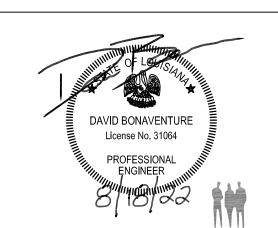
- ALL WORK, METHODS AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE CITY BUILDING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING
- THIS CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW SLAB WITH PLUMBING AND ELECTRICAL CONDUIT. SHOULD A CONFLICT OCCUR THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ ENGINEER PRIOR TO INSTALLING
- 3. ALL SANITARY PIPING 3" AND LARGER ROUTED AT 1/8" SLOPE PER FOOT UNLESS OTHERWISE NOTED. ALL PIPE LESS THAN 3" SHALL BE ROUTED AT 1/4" SLOPE PER FOOT.
- 4. CONTRACTOR SHALL COORDINATE ROUTING OF PIPING IN CEILING SPACES WITH MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND CONDUIT. SHOULD A CONFLICT OCCUR THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ ENGINEER PRIOR TO INSTALLING AN ALTERNATE PIPING
- 5. CONTRACTOR TO FIELD VERIFY AS NECESSARY THE EXACT ROUTING AND SIZES OF ALL PIPING.
- 6. SANITARY VENT TERMINALS THROUGH ROOF SHALL BE NO LESS THAN 15'-0" FROM ANY FRESH AIR INTAKES.
- 7. PROVIDE A TWO-WAY CLEANOUT AT CIVILS POINT OF CONNECTION.

PLUMBING KEYED NOTES

- 1 3" SANITARY RISER.
- 2 2" SANITARY RISER.
- 3 2" VENT RISER.
- 4 3" VENT RISER.
- 5 ROUTE 3/4" COLD AND HOT WATER DOWN WALL AND OVER TO SERVE PLUMBING FIXTURES.
- 6 3" GREASE WASTE STACK.
- 7 ROUTE WATER LINES TIGHT TO UNDER SIDE OF CABINET. ROUTE 3/4" COLD WATER TO SERVE PLUMBING FIXTURES.
- 8 3/4" COLD & HOT WATER STUB UPS TO PLUMBING FIXTURES.
- 9 REFER TO SHEET 3/P4.1 FOR DISHWASHER AND DISPOSER CONNECTION.
- SHUT OFF VALVE, 1-1/4" WATER ENTRY FOR UNIT. 13.6 TFU'S = 17 GPM PEAK DEMAND LOAD, WITH SUGGESTED METER SIZE OF 5/8".
- 11 ROUTE 1" COLD WATER UP TO SERVE UPPER FLOORS.
- REMOTE RADIO READ OUT METER SHALL BE PURCHASED THROUGH BATON ROUGE WATER COMPANY, INSTALLED BY PLUMBING CONTRACTOR.
- 13 3" VENT THROUGH ROOF.
- 14 4" FIRE AND 1-1/2" COLD WATER UP.
- 15 REFER TO SHEET PO.00 FOR PIPING CONTINUATION.
- 16 CONTRACTOR TO COORDINATE EXACT LOCATION OF FDC WITH LOCAL FIRE DEPARTMENT.
- REFER TO SHEET PO.00 FOR PIPING CONTINUATION.
 CONTRACTOR TO COORDINATE EXACT LOCATION OF FDC
 WITH LOCAL FIRE DEPARTMENT.





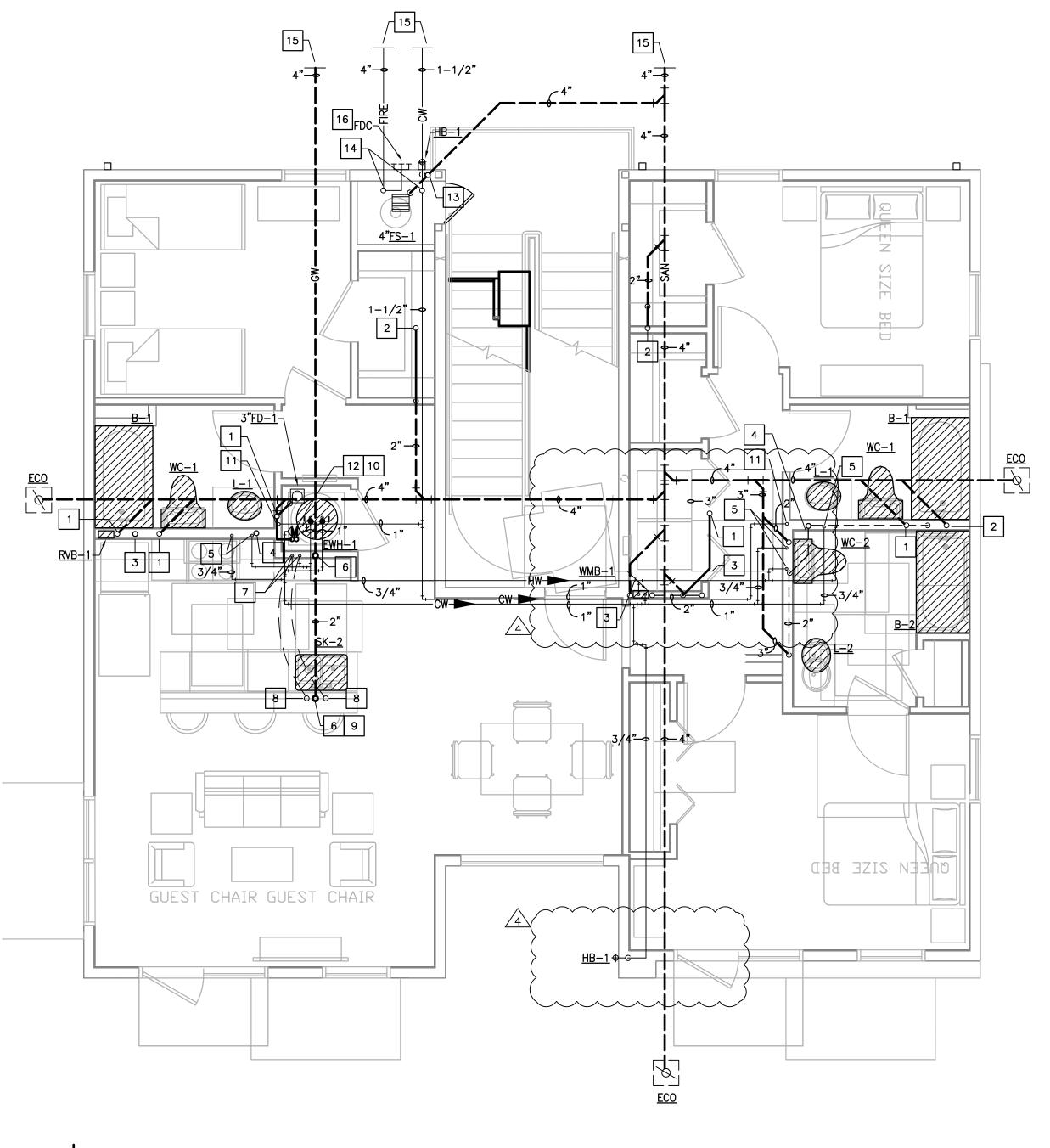


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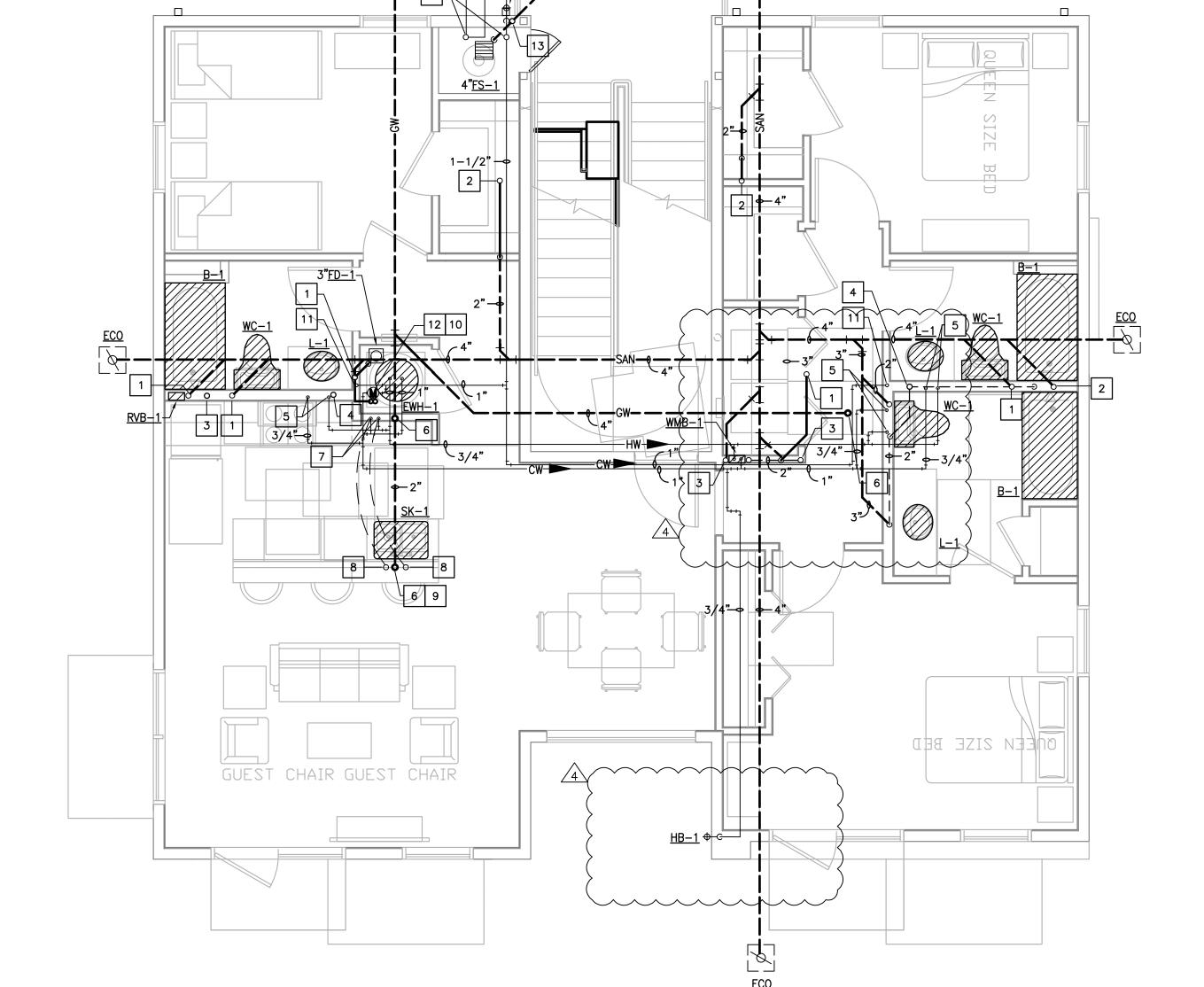
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FIRST FLOOR PLAN - ADA

1/4"=1'-0" BUILDING C



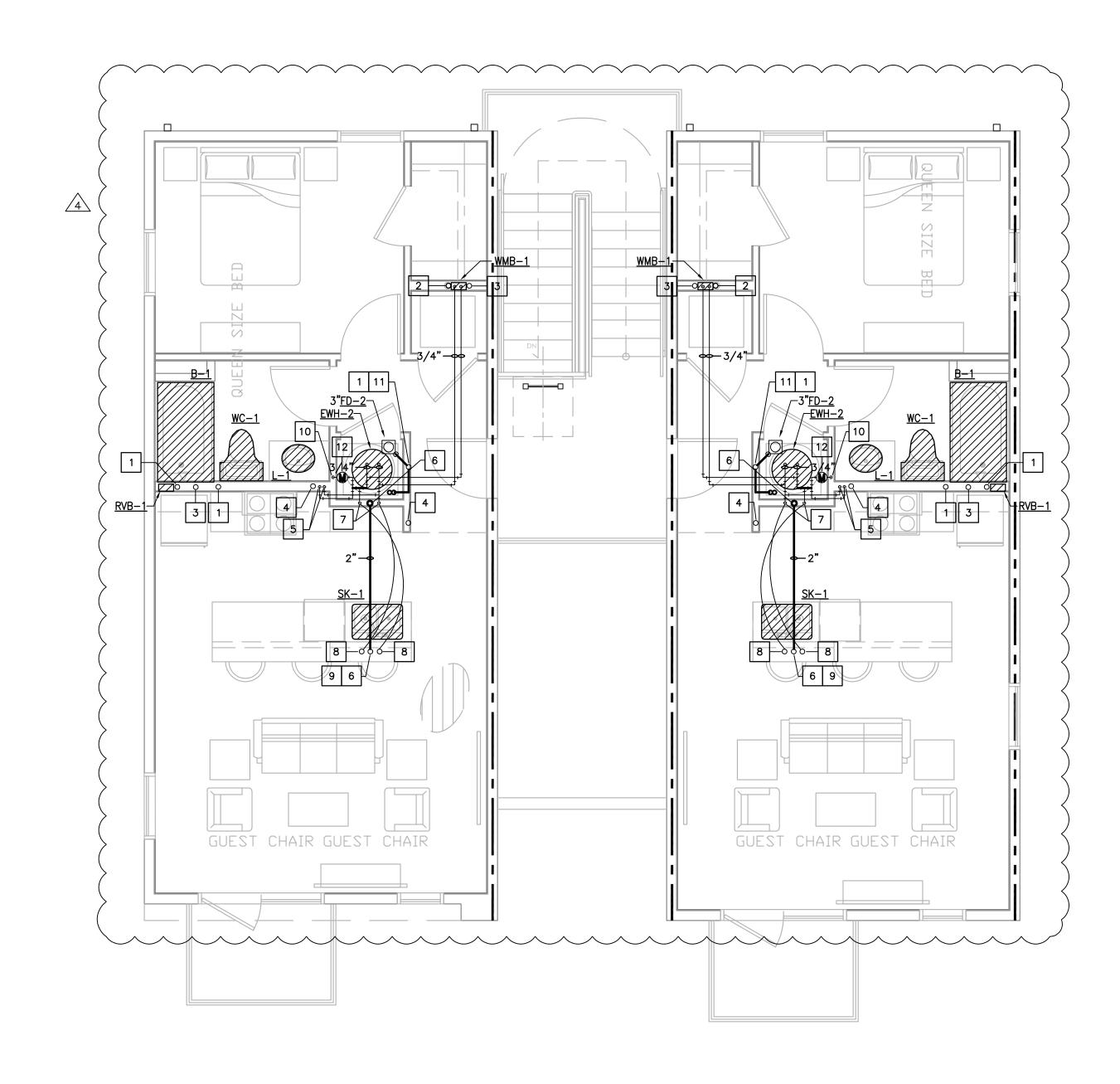
FIRST FLOOR PLAN 1/4"=1'-0" BUILDING A & B OP. H.

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THIRD FLOOR PLAN (SECOND FLOOR, SIM.)

1/4"=1'-0" BUILDING A (BUILDING C, SIM. & BUILDING B, OP. H.)

PLUMBING KEYED NOTES

1 3" SANITARY RISER.

2 2" SANITARY RISER.

3 2" VENT RISER.

4 3" VENT RISER.

FOUTE 3/4" HOT AND COLD WATER LINES DOWN WALL AND OVER TO SERVE PLUMBING FIXTURES.

6 3" GREASE WASTE STACK.

7 ROUTE WATER LINES TIGHT TO UNDER SIDE OF CABINET.
ROUTE 3/4" COLD AND HOT WATER TO SERVE PLUMBING

FIXTURES.

8 3/4" COLD & HOT WATER STUB UPS TO PLUMBING FIXTURES.

9 REFER TO SHEET 3/P4.1 FOR DISHWASHER AND DISPOSER CONNECTION.

SHUT OFF VALVE, 1" WATER ENTRY FOR UNIT. 6.65
TFU'S = 11.8 GPM PEAK DEMAND LOAD, WITH
SUGGESTED METER SIZE OF 5/8".

11 3" VENT THRU ROOF.

REMOTE RADIO READ OUT METER SHALL BE PURCHASED THROUGH BATON ROUGE WATER COMPANY, INSTALLED BY PLUMBING CONTRACTOR.

13 STUB UP AND CAP 4" FIRE AND 1-1/2" COLD WATER LINES FOR FUTURE.

14 REFER TO CIVIL DRAWINGS FOR PIPING CONTINUATION.

CONTRACTOR TO COORDINATE EXACT LOCATION OF FDC WITH LOCAL FIRE DEPARTMENT.

ROUTE 1" COLD WATER IN CEILING OF SHELL SPACE. CAP FOR FUTURE USE.

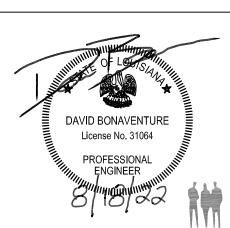
4 ADDENDUM 4 8/18/22

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PLUMBING UNIT PLANS



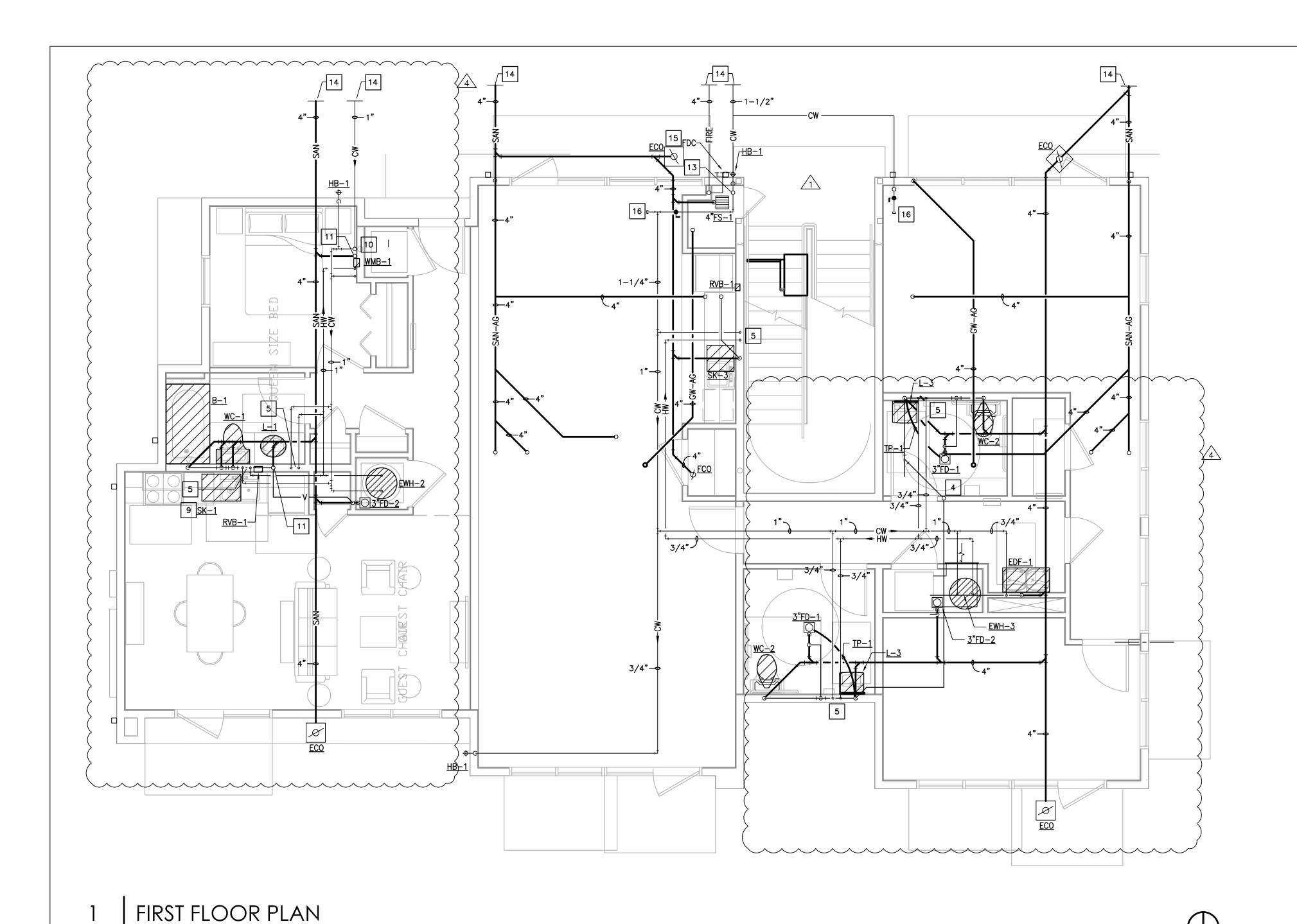
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1/4"=1'-0" BUILDING D - 1st FLOOR FHA UNIT & PUBLIC SPACES

1

BLDG D-FIRE SPRINKLER NOTE:

LICENSED SPRINKLER ENGINEER OR LICENSED SPRINKLER CONTRACTOR, TO PROVIDE DRAWINGS AND HYDRAULIC CALCULATIONS FOR AN AUTOMATIC FIRE SPRINKLER SYSTEM FOR THIS BUILDING, TO COMPLY WITH SPACE LAYOUT, NFPA 13, ALL STATE AND LOCAL CODE REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PLUMBING KEYED NOTES

- 1 3" SANITARY RISER.
- 2 2" SANITARY RISER.
- 3 2" VENT RISER.
- 4 3" VENT RISER.

FIXTURES.

- FOUTE 3/4" HOT AND COLD WATER LINES DOWN WALL AND OVER TO SERVE PLUMBING FIXTURES.
- 6 3" GREASE WASTE STACK.
- 7 ROUTE WATER LINES TIGHT TO UNDER SIDE OF CABINET. ROUTE 3/4" COLD AND HOT WATER TO SERVE PLUMBING
- 8 3/4" COLD & HOT WATER STUB UPS TO PLUMBING FIXTURES.
- 9 REFER TO SHEET 3/P4.1 FOR DISHWASHER AND DISPOSER CONNECTION.
- SHUT OFF VALVE, 1" WATER ENTRY FOR UNIT. 6.65
 TFU'S = 11.8 GPM PEAK DEMAND LOAD, WITH
 SUGGESTED METER SIZE OF 5/8".
- 11 3" VENT THRU ROOF.
- REMOTE RADIO READ OUT METER SHALL BE PURCHASED THROUGH BATON ROUGE WATER COMPANY, INSTALLED BY PLUMBING CONTRACTOR.
- 13 1-1/2" COLD WATER LINE UP TO FLOORS ABOVE.
 - 14 REFER TO CIVIL DRAWINGS FOR PIPING CONTINUATION.
 - 15 CONTRACTOR TO COORDINATE EXACT LOCATION OF FDC WITH LOCAL FIRE DEPARTMENT.
 - ROUTE 1" COLD WATER IN CEILING OF SHELL SPACE. CAP FOR FUTURE USE.

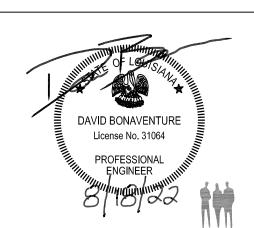
1 ADDENDUM 1	3/16/21
4 ADDENDUM 4	8/18/22
REVISION	DATE

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BUILDING D - FLOOR PLANS



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