

**SITE PLAN**  
SCALE: 3/32"=1'-0"

<b>LEGAL DESCRIPTION</b>	
ADDRESS: 630 N. 18TH STREET BATON ROUGE, LA 70806	
<b>PARKING</b>	
STANDARD SPACE	3
HDCP SPACE	1
<b>PROJECT INFORMATION</b>	
PROPOSED AREA	
BUILDING FOOTPRINT	2497 S.F. 13.6%
GREEN SPACE	10994 S.F. 60.0%
PARKING	4830 S.F. 26.4%
TOTAL LOT	18321 S.F. 100%

South Central Planning & Development Commission  
Plans reviewed and approved in accordance with the Louisiana State Uniform Construction Code  
Planing Examiner:  
*Walter E. Egan*  
By Adam Dupuy at 7:10:24 AM, 10/10/2020

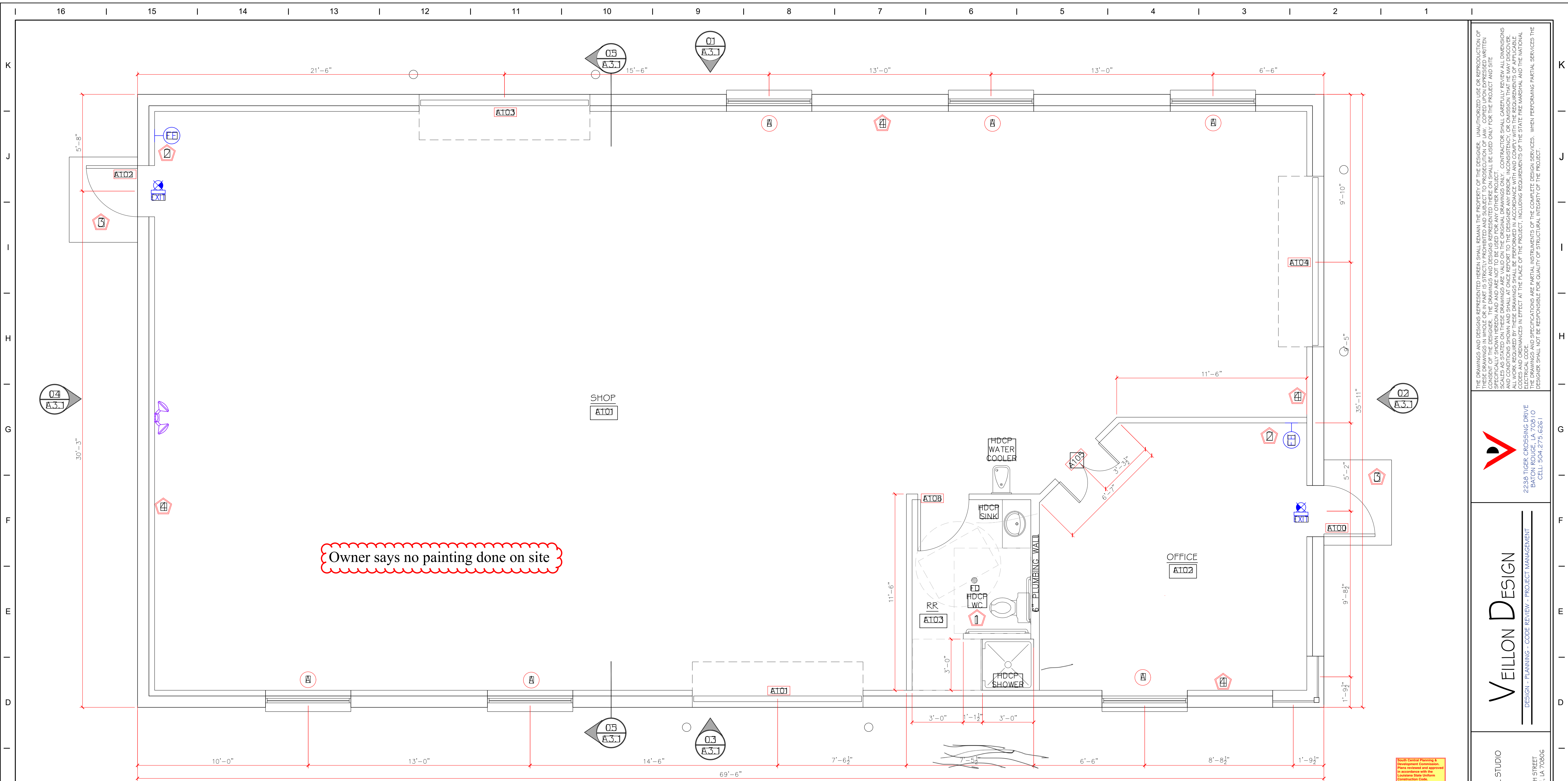
DESIGNED BY: C. VELLON	PROJECT: ROCK 1801
CHECKED BY: C. VELLON	SHEET TITLE: SITE PLAN
REVIEWED BY: C. VELLON	SHEET NO: CE 1.0
REVISION DATE: 07.01.20	
DATE: 10.05.18	

ROCKWELL STUDIO  
630 N. 18TH STREET  
BATON ROUGE, LA 70806

**VEILLON DESIGN**  
DESIGN - PLANNING - CODE REVIEW - PROJECT MANAGEMENT

2238 TIGER CROSSING DRIVE  
BATON ROUGE, LA 70810  
CELL: 504.275.6261

THE DRAWINGS AND DESIGNS REPRESENTED HEREIN SHALL REMAIN THE PROPERTY OF THE DESIGNER. UNAUTHORIZED USE OR REPRODUCTION OF THESE DRAWINGS OR DESIGNS WITHOUT THE WRITTEN CONSENT OF THE DESIGNER IS STRICTLY PROHIBITED. THE DRAWINGS AND DESIGNS REPRESENTED HEREIN SHALL BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY SHOWN HEREON AND ARE NOT TO BE USED FOR ANY OTHER PROJECT. CONTRACTORS SHALL EXERCISE CAREFUL AND PRUDENT JUDGMENT IN THE USE OF THESE DRAWINGS AND DESIGNS. THE DESIGNER SHALL BE RESPONSIBLE FOR ANY ERRORS, OMISSIONS, OR INCONSISTENCIES IN THE DRAWINGS AND DESIGNS. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

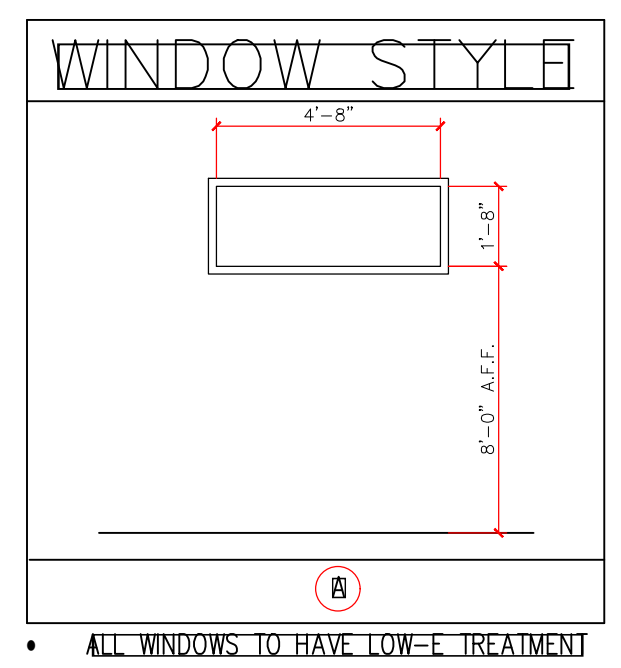


**FLOOR PLAN**  
SCALE: 3/8" = 1'-0"

Owner says no painting done on site

Rockwell Studio  
630 N. 18TH STREET  
BATON ROUGE, LA 70806

MK	OPENING SIZE	REMARKS
(B)	4'-8" x 1'-8" NON-OPER	INSULATED, WHITE



NO.	HEIGHT	WIDTH	DOOR	REMARKS
A100	6'-8"	3'-0"	H.M. INSUL. STEEL	LOW PROFILE THRESHOLD, INSULATED, EXT. CLOSER, LEVER WITH KEY OUTSIDE DEAD BOLT
A101	8'-0"	10'-0"	OVER HEAD	MANUAL OVERHEAD ROLL UP DOOR
A102	6'-8"	3'-0"	H.M. INSUL. STEEL	LOW PROFILE THRESHOLD, INSULATED, EXT. CLOSER, LEVER WITH KEY OUTSIDE DEAD BOLT
A103	8'-0"	10'-0"	OVER HEAD	MANUAL OVERHEAD ROLL UP DOOR
A104	8'-0"	10'-0"	OVER HEAD	MANUAL OVERHEAD ROLL UP DOOR
A105	6'-8"	3'-4"	S.C. WOOD	STD. LEVER HARDWARE
A106	6'-8"	3'-0"	S.C. WOOD	STD. LEVER HARDWARE, CLOSER, PRIVACY

- PLAN NOTES:**
- 1) MOUNT ALL GRAB BARS AND WALL HUNG SINKS TO SECURE 2X TREATED BLOCKING (250 LB LATERAL LOAD)
  - 2) MOUNT 2A:10 BC FIRE EXTINGUISHERS @ 60" MAX AFT NEAR EXIT DOORS PER NFPA 10
  - 3) LEVEL LANDING @ ALL EXTERIOR DOORS W/LOW PROFILE THRESHOLD
  - 4) 2X4 WALL FURRED INSIDE EXTERIOR WALL OF ENTIRE BUILDING W/ R13 INSULATION AND FINISHED WITH SHEETROCK
  - 5) FIRE EXTINGUISHER ZATOB:C PER NFPA TO MTD. MAX 60" A.F.F.
  - 6) EXIT/EMERGENCY LIGHT w/ BATTERY BACK-UP
  - 7) DUAL HEAD EMER. LIGHT w/ BATTERY BACK UP

- FIRE MARSHAL NOTES:**
- 1) NFPA 10:5.1.4 PROVIDE PORTABLE FIRE EXTINGUISHERS WITHIN 75 FEET TRAVEL DISTANCES; MEASURE BY RECTILINEAR ROUTE.
  - 2) 101:7.2.1.3 PROVIDE LEVEL LANDINGS OUTSIDE EXTERIOR DOORS THAT ARE WITHIN 1/2" OF THE INTERIOR FINISH FLOOR ELEVATION.
  - 3) LRS 40:1731 PROVIDE ACCESS TO PERSONS WITH DISABILITIES IN ACCORDANCE WITH ADA-AG (ACCESSIBILITY GUIDELINES- SEPTEMBER 1994).
  - 4) ADA-AG: 4.13.9 DOOR HARDWARE SHALL COMPLY WITH THIS SECTION. HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
  - 5) 101:7.2.1.5 LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL DEVICE OR SPECIAL KNOWLEDGE TO OPEN IN THE DIRECTION OF EGRESS.
  - 6) 101:7.2.1.5.9 DOORS SHALL BE CAPABLE OF BEING OPENED WITH ONLY ONE RELEASING OPERATION. A TWO-STEP RELEASE IS NOT ACCEPTABLE.
  - 7) LRS 40:1711 PROVIDE SAFETY GLAZING IN HAZARDOUS LOCATIONS AT FULL GLASS DOORS AND ADJACENT SIDELITES WITHIN 2'-0" OF AN ACTIVE DOOR LEAF.
  - 8) CONCEALED AND EXPOSED INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF SECTION 719, I.B.C. (2009). FS 0-25 SD 0-450

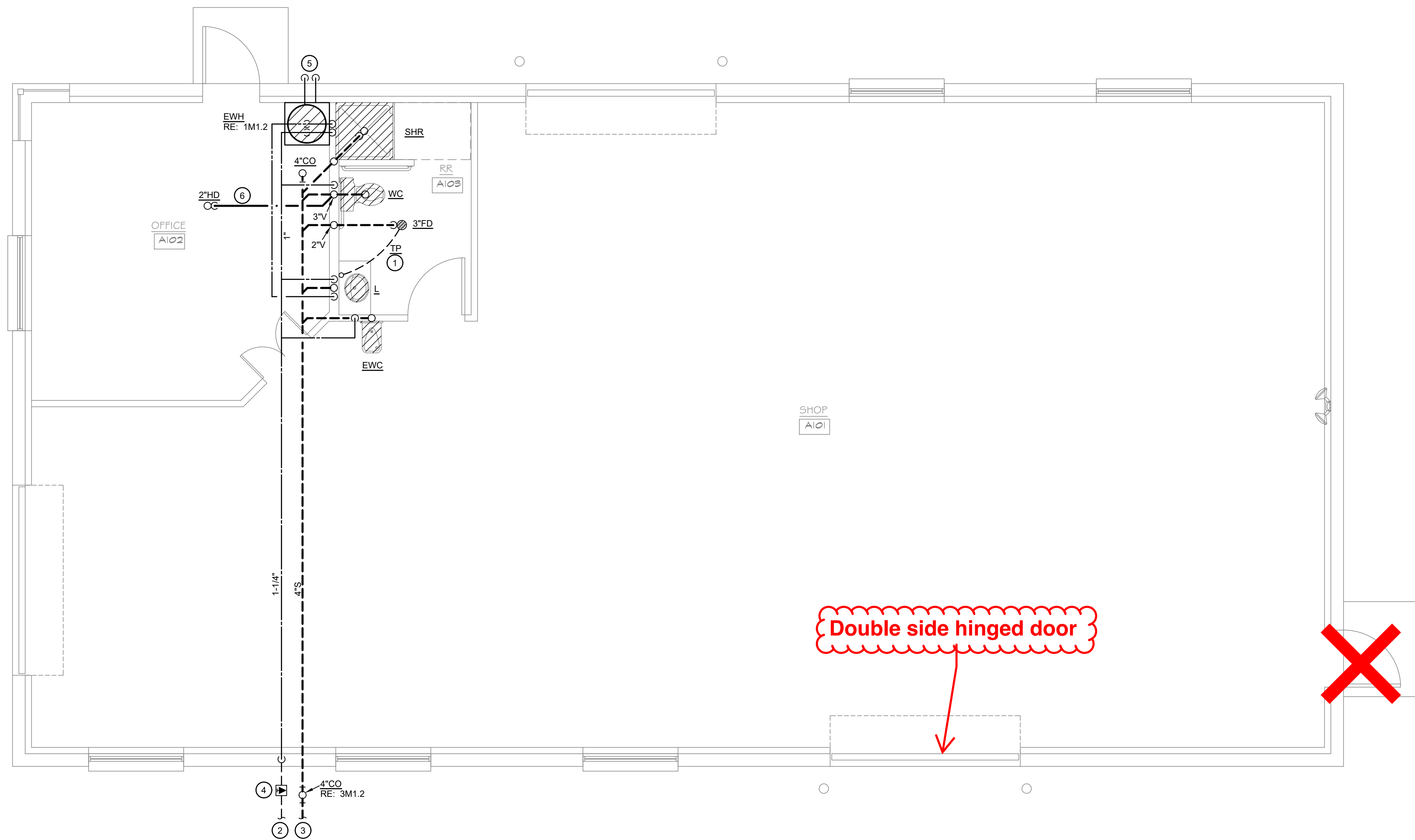
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**VEILLON DESIGN**  
DESIGN - PLANNING - CODE REVIEW - PROJECT MANAGEMENT

2238A TIGER CROSSING DRIVE  
BATON ROUGE, LA 70810  
CELL: 504.275.6261

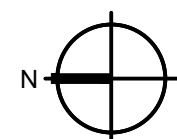
ROCKWELL STUDIO  
630 N. 18TH STREET  
BATON ROUGE, LA 70806

DESIGNED BY: C. VEILLON	PROJECT: ROCK1801
CHECKED BY: C. VEILLON	FLOOR PLAN
REVISION DATE: 07.01.20	SHEET NO: A2.1
DATE: 10.05.18	



# 1 PLUMBING FLOOR PLAN

1/4" = 1'-0"



# 5 PLUMBING LEGEND

SYMBOL	DESCRIPTION	CW	H	WASTE	VENT
WC	WATER CLOSET (TANK)	1/2"	--	4"	3"
L	LAVATORY	1/2"	1/2"	2"	1-1/2"
SHR	SHOWER STALL	1/2"	1/2"	2"	2"
EWC	ELECTRIC WATER COOLER	1/2"	--	2"	1-1/2"
HB	HOSE BIBB	1/2"	--	--	--
IMSB	ICE MAKER SERVICE BOX	1/2"	--	--	--
3" FD	3" FLOOR DRAIN	--	--	3"	2"
2" HD	2" HUB DRAIN	--	--	2"	1-1/2"

### WATER PIPE SIZING TABLE

UNLESS SHOWN OTHERWISE, DOMESTIC WATER LINES SHALL RUN CONCEALED OVERHEAD AS DESIGNATED IN PLUMBING FIXTURE SCHEDULE & BE SIZED ACCORDING TO TABLE BELOW. PLANS & RISERS DO NOT NECESSARILY SHOW ALL PIPING RUNS. INSTALL A FACTORY WATER HAMMER ARRESTOR AT TOP OF EACH FIXTURE GROUP AND AT WATER HEATER.

NUMBER OF FIXTURES *	PIPE SIZE (IPS)
2 OR LESS	1/2"
3 TO 5	3/4"
6 TO 10	1"
11 TO 15	1-1/4"
16 TO 28	1-1/2"

# 2 MECHANICAL SYMBOL SCHEDULE

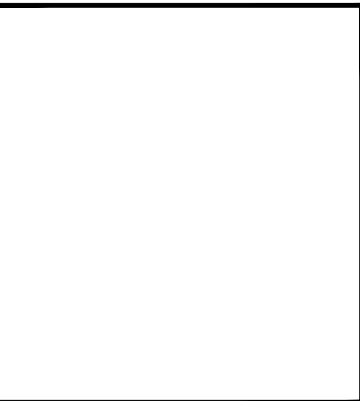
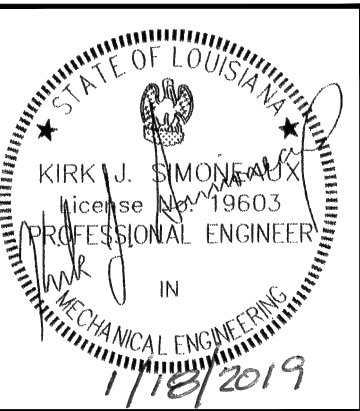
—	DOMESTIC COLD WATER (CW)	①	REFERENCE TO MECHANICAL KEYNOTE NUMBER 1.
--- CW ---	DOMESTIC COLD WATER UNDERFLOOR/ UNDERGROUND, OTHERS SIMILAR	+ HB	HOSE BIBB
—	DOMESTIC HOT WATER (H)	+ [ ]	24x24 RETURN AIR GRILLE IN CEILING
— D —	DRAIN	⊠	TYPE "B" CEILING DIFFUSER (4 WAY THROW UNLESS NOTED OTHERWISE BY DIRECTION ARROWS.) BALANCE TO 200 CFM. SEE EQUIPMENT SCHEDULE, OTHERS SIMILAR.
--- S ---	SOIL LINE	⊠	FLEXIBLE CONNECTION
--- W ---	WASTE LINE	⊠	DUCT TURNING VANE
--- V ---	VENT	⊠	6"x6" RECTANGULAR DUCT
⊠ FD-1	FLOOR DRAIN TYPE 1, OTHERS SIMILAR	⊠	12" DIAMETER ROUND DUCT
— HD —	HUB DRAIN	M	MOTORIZED CONTROL DAMPER (MCD), 120 VOLT ELEC. ACTUATOR, UNLESS NOTED OTHERWISE
— CO —	CLEAN OUT	—	MANUAL VOLUME DAMPER (MVD)
— RL —	REFRIGERANT LIQUID	⊠	THERMOSTAT
— RS —	REFRIGERANT SUCTION	⊠	FIRESTAT - 125 DEG. F
— RA —	RETURN AIR	⊠	RETURNS/SUPPLY AIR SMOKE DETECTOR
— SA —	SUPPLY AIR		
— EXH —	EXHAUST AIR		
— OA —	OUTSIDE AIR		
RE: 2M1.1	REFER TO DETAIL 2, SHEET M.1.1		

# 3 PLUMBING GENERAL NOTES

- ALL PLUMBING FIXTURES, MATERIALS AND UNITS SHALL CONFORM TO APPLICABLE STANDARDS (ANSI/NSF, ASME, ASSE, ASTM, FS, UL, ETC.) AS REQUIRED IN THE INTERNATIONAL PLUMBING CODE (IPC), 2015 EDITION WITH LOUISIANA AMENDMENTS, HENCEFORTH REFERRED TO AS THE IPC.
- ALL POTABLE (DOMESTIC) WATER PIPING (INCLUDING FITTINGS AND PIPING ACCESSORIES IN CONTACT WITH POTABLE WATER) AND MATERIALS THAT JOIN OR SEAL PIPING SHALL CONFORM TO ANSI/NSF 61. ALL PIPING, PLUMBING FITTINGS AND FIXTURES, SOLDER OR FLUX USED IN THE INSTALLATION OR REPAIR OF ANY POTABLE (DOMESTIC) WATER PIPING SHALL MEET THE "LEAD FREE" REQUIREMENTS OF THE IPC.
- POTABLE (DOMESTIC) WATER PIPING SYSTEMS SHALL BE DISINFECTED IN ACCORDANCE WITH SECTION 610 OF THE IPC AND PROJECT MANUAL, SECTION 220010, "CLEANING AND STERILIZATION".
- WHERE PVC PIPING IS ALLOWED, BY THE PROJECT DOCUMENTS, FOR POTABLE (DOMESTIC) WATER SYSTEMS, ALL SOLVENT CEMENTS AND PRIMERS USED TO JOIN AND SEAL PVC WATER PIPING MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/NSF 14, AS PER THE IPC.
- PIPING MATERIALS SHALL BE IN ACCORDANCE WITH THE IPC AND PROJECT DOCUMENTS. SEE SECTION 220030 OF THE PROJECT MANUAL.
- POST-INSTALLATION TESTING OF PIPING SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 312 OF THE IPC AND THE PROJECT DOCUMENTS. SEE "TESTING" IN SECTION 220020 OF THE PROJECT MANUAL.
- PIPING INSTALLED UNDERGROUND SHALL BE INSTALLED PER REQUIREMENTS OF THE IPC AND THE PROJECT MANUAL, SECTION 220010, "EXCAVATING, TRENCHING AND BACKFILLING". GENERALLY UNDERGROUND PIPING SHALL BE INSTALLED WITH A MINIMUM OF 24 INCH COVER WHEREVER POSSIBLE, BUT IN NO CASE LESS THAN 12 INCH COVER.
- FLOOR DRAINS SHALL BE INSTALLED IN ALL PUBLIC TOILET ROOMS, AS PER THE IPC, SECTION 412.5. UNLESS SPECIFICALLY INDICATED OTHERWISE, THE WATER SEAL OF EACH TOILET ROOM FLOOR DRAIN SHALL BE PROTECTED VIA TRAP PRIMER (SEE SECTION 220050 OF THE PROJECT MANUAL).
- AT WATER HEATER (THERMAL) EXPANSION TANKS, THE EXPANSION TANK SHALL BE DESIGNED TO LIMIT THE PRESSURE OF THE WATER BEING HEATED TO NO MORE THAN 80 PSIG, AS PER SECTION 607.3.2 OF THE IPC.
- PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH THE IPC AND PROJECT DOCUMENTS. SEE SECTION 220050 OF THE PROJECT MANUAL. SHOWER MIXING VALVES SHALL BE SCALD PREVENTATIVE TYPE, COMPLYING WITH ASSE 1016.
- CLEANOUTS SHALL BE PROVIDED IN PLUMBING DRAINAGE PIPING AT INTERVALS NOT EXCEEDING SECTION 708 OF THE IPC. ALSO, A CLEANOUT SHALL BE PROVIDED WITHIN 6 FEET OF EACH BUILDING DRAIN AND BUILDING SEWER JUNCTION, PER SECTION 708.3.5 OF THE IPC.
- FOR EACH SINGLE (INDIVIDUAL) LAVATORY, PROVIDE POINT-OF-USE THERMOSTATIC MIXING VALVE. POSITION MIXING VALVE DIRECTLY BENEATH LAVATORY (SO AS NOT TO INTERFERE WITH ADA CLEARANCES). REFER TO SPECIFICATIONS.

# 4 KEYNOTES

- PROVIDE LAVATORY TAILPIECE STYLE TRAP PRIMER (TP) TO SERVE FLOOR DRAIN. ROUTE 1/2" COPPER WATER LINE FROM TRAP PRIMER, UNDERFLOOR TO FLOOR DRAIN. SLOPE LINE DOWN TOWARD DRAIN. REFER TO SPECIFICATIONS.
- NEW 1-1/4" DOMESTIC WATER CONNECTION TO EXISTING WATER SERVICE MAIN (FIELD VERIFY EXACT LOCATION). COORDINATE WITH UTILITY COMPANY FOR PIPE ROUTING AND SERVICE REQUIREMENTS. INCLUDE ALL COSTS ASSOCIATED WITH NEW SERVICE CONNECTION (NEW METER, ETC.).
- CONNECT TO EXISTING SANITARY LINE (FIELD VERIFY EXACT LOCATION). COORDINATE WITH UTILITY COMPANY FOR PIPE ROUTING AND SERVICE REQUIREMENTS. INCLUDE ALL COSTS ASSOCIATED WITH NEW SERVICE CONNECTION (SEWER IMPACT FEES, ETC.).
- DOMESTIC WATER SHUTOFF VALVE IN UNDERGROUND BOX. RE: 2M1.2.
- T & P RELIEF AND SAFEPAN DRAINS TO OUTSIDE OF BUILDING. TERMINATE WITH ELBOWS TURNED DOWN.
- 2" HUB DRAIN TO SERVE AIR UNIT DRAIN. COORDINATE IN FIELD WITH LOCATION OF AIR UNIT.



**AST ENGINEERS**  
 8417 Keilwood Avenue  
 Baton Rouge, Louisiana 70806  
 (p) 225.925.5600 | (f) 225.925.5620

**ROCKWELL WOOD WORKING SHOP**

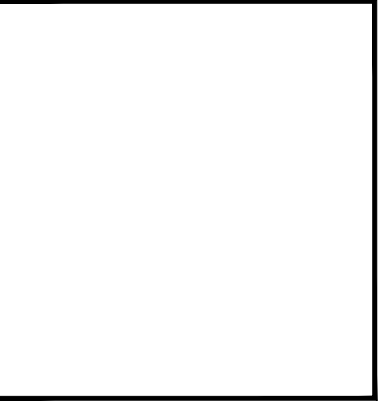
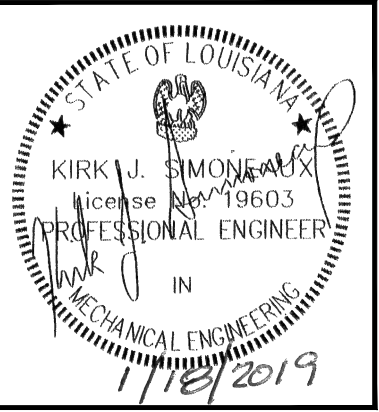
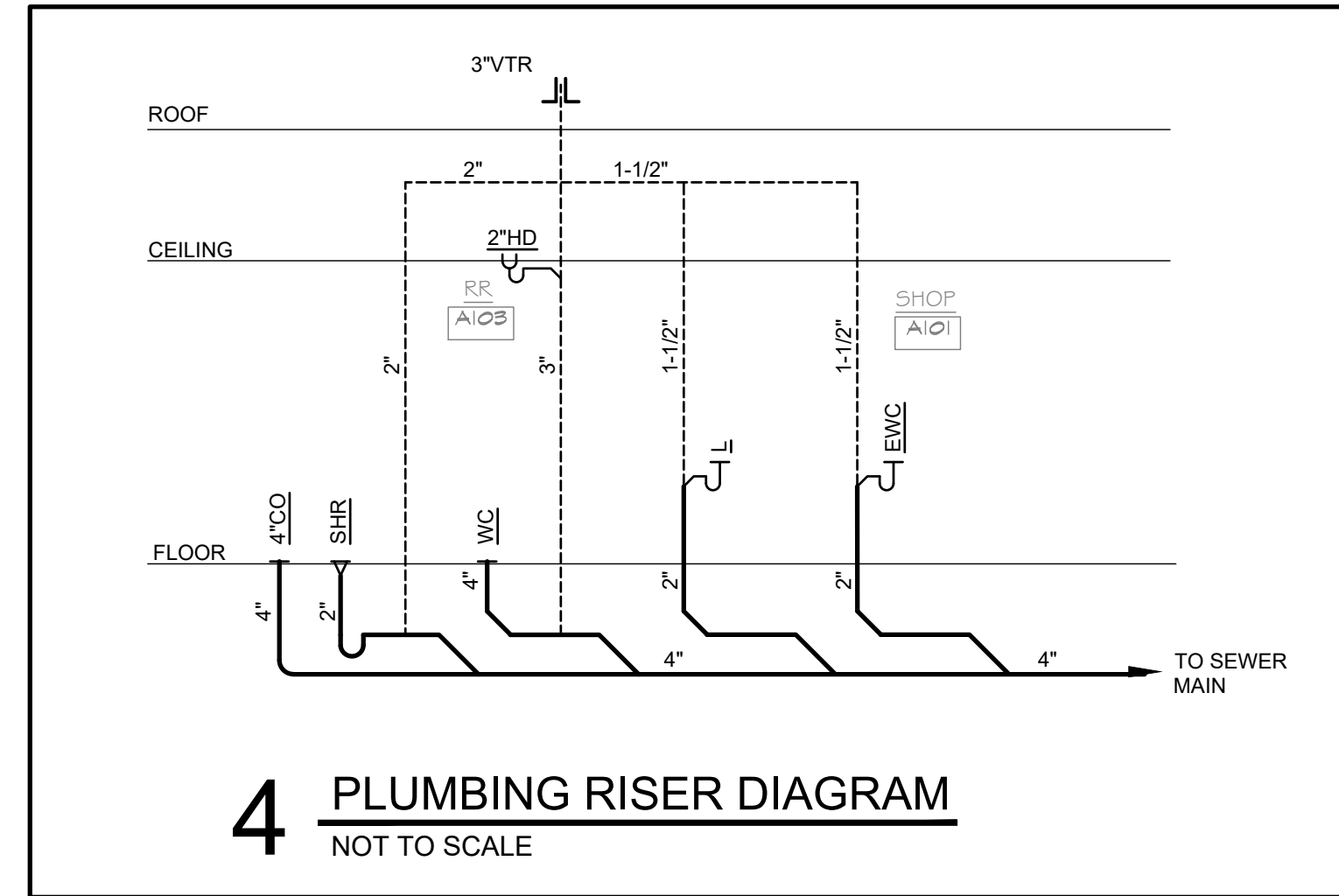
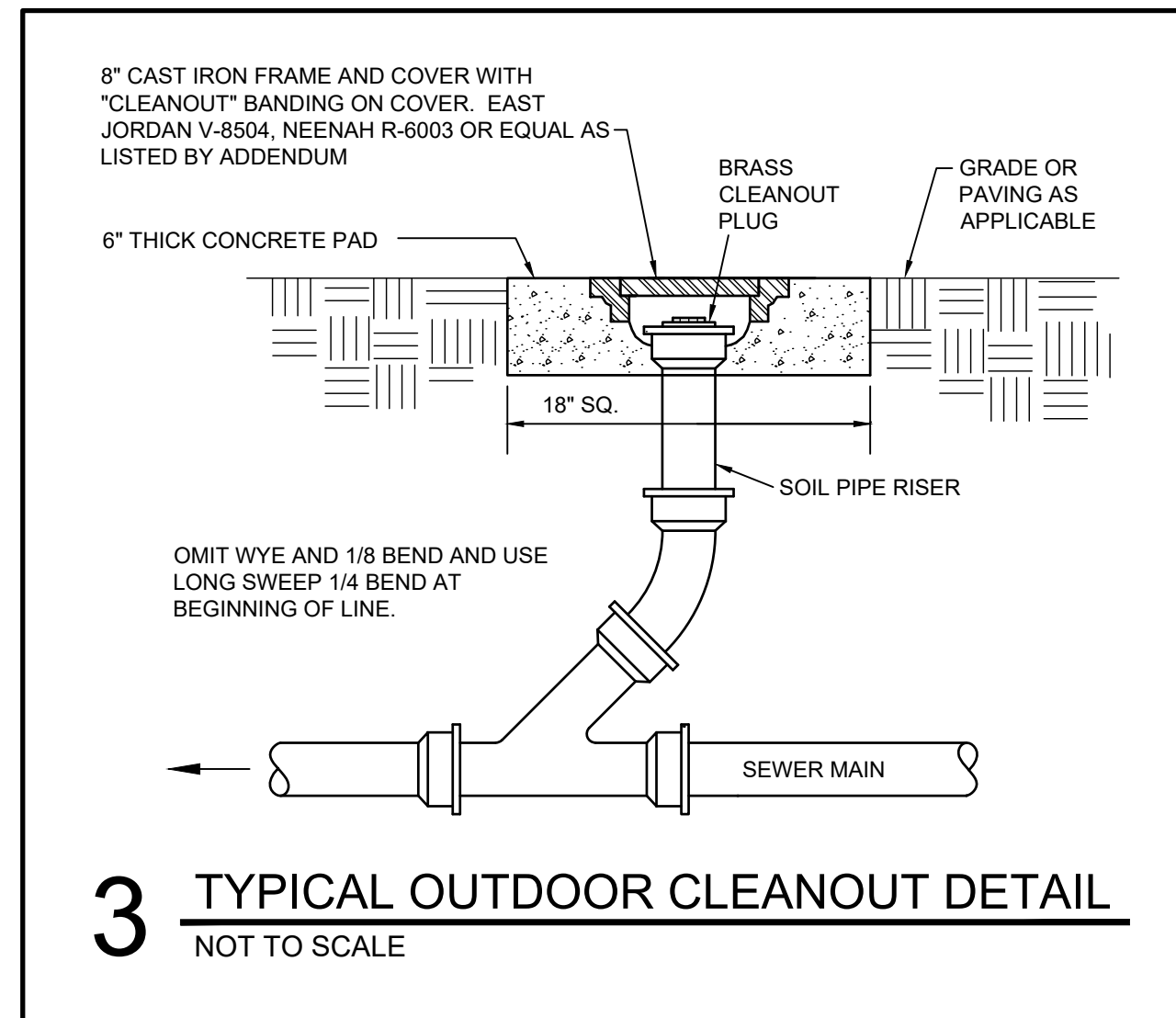
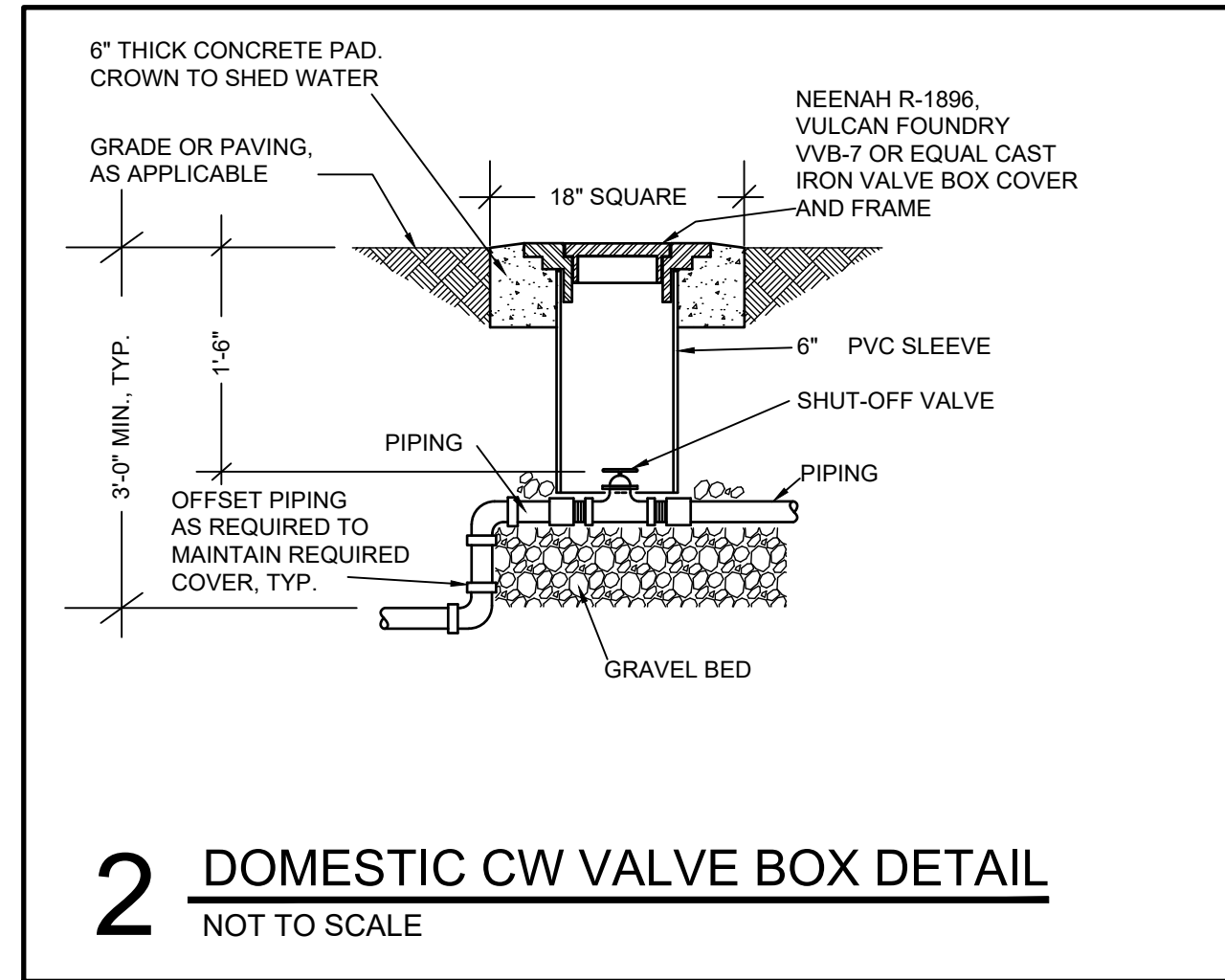
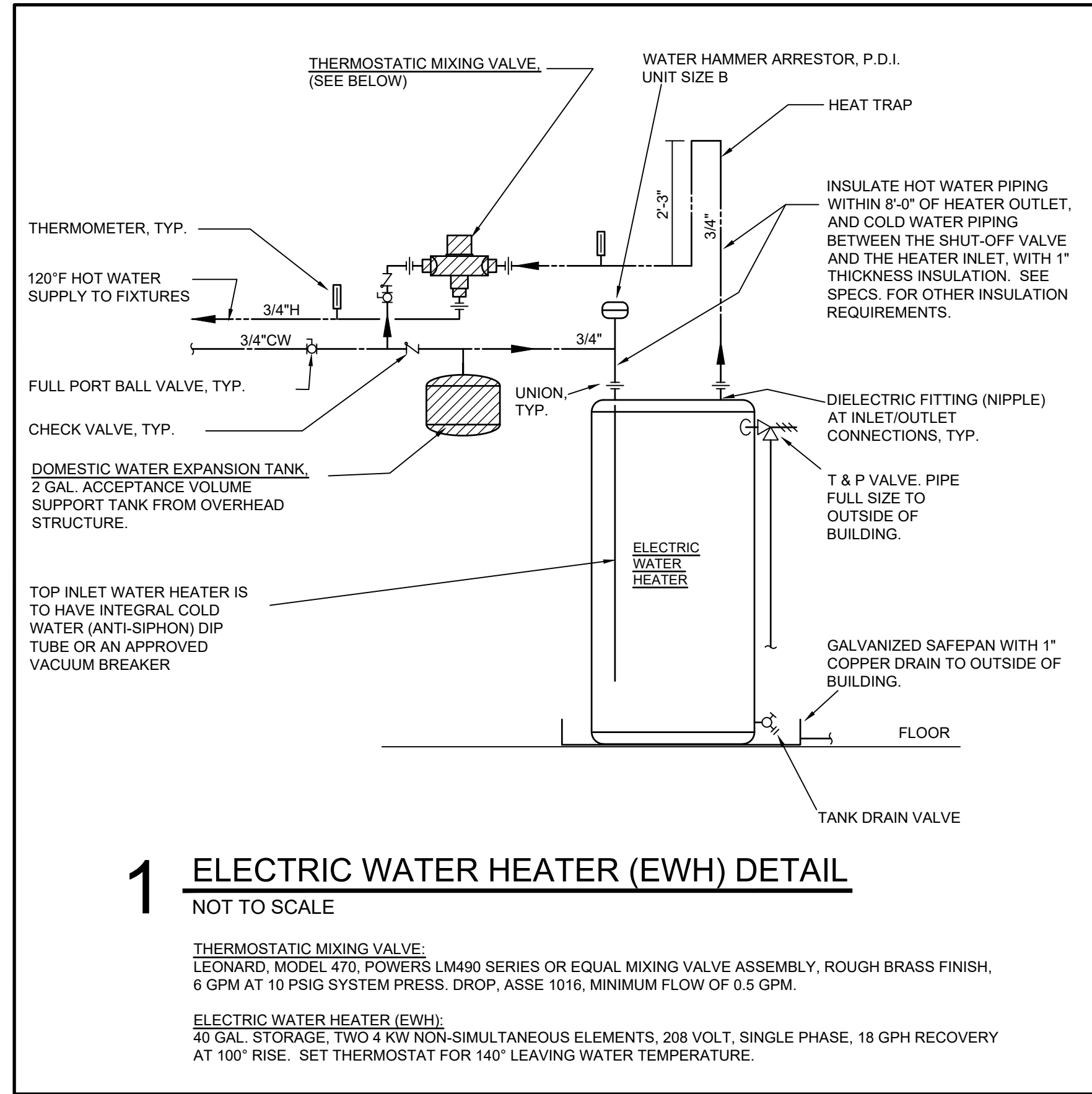
1435 Dextr Avenue  
 Baton Rouge, Louisiana

South Central Planning & Development Commission  
 Plans reviewed and approved in accordance with the Louisiana State Uniform Construction Code.  
 Plans Examiner:  
 Adam Doherty  
 2-15-2019 PM, 10:10:00

REVISIONS	
NO.	DATE

PROJECT NO.	18-8683
DRAWN BY	PLM
CHECKED BY	DIN
DATE	JANUARY 2019

SHEET  
**M1.1**



**AST ENGINEERS**  
8417 Keilwood Avenue  
Baton Rouge, Louisiana 70806  
(p) 225.926.5600 | (f) 225.926.5620

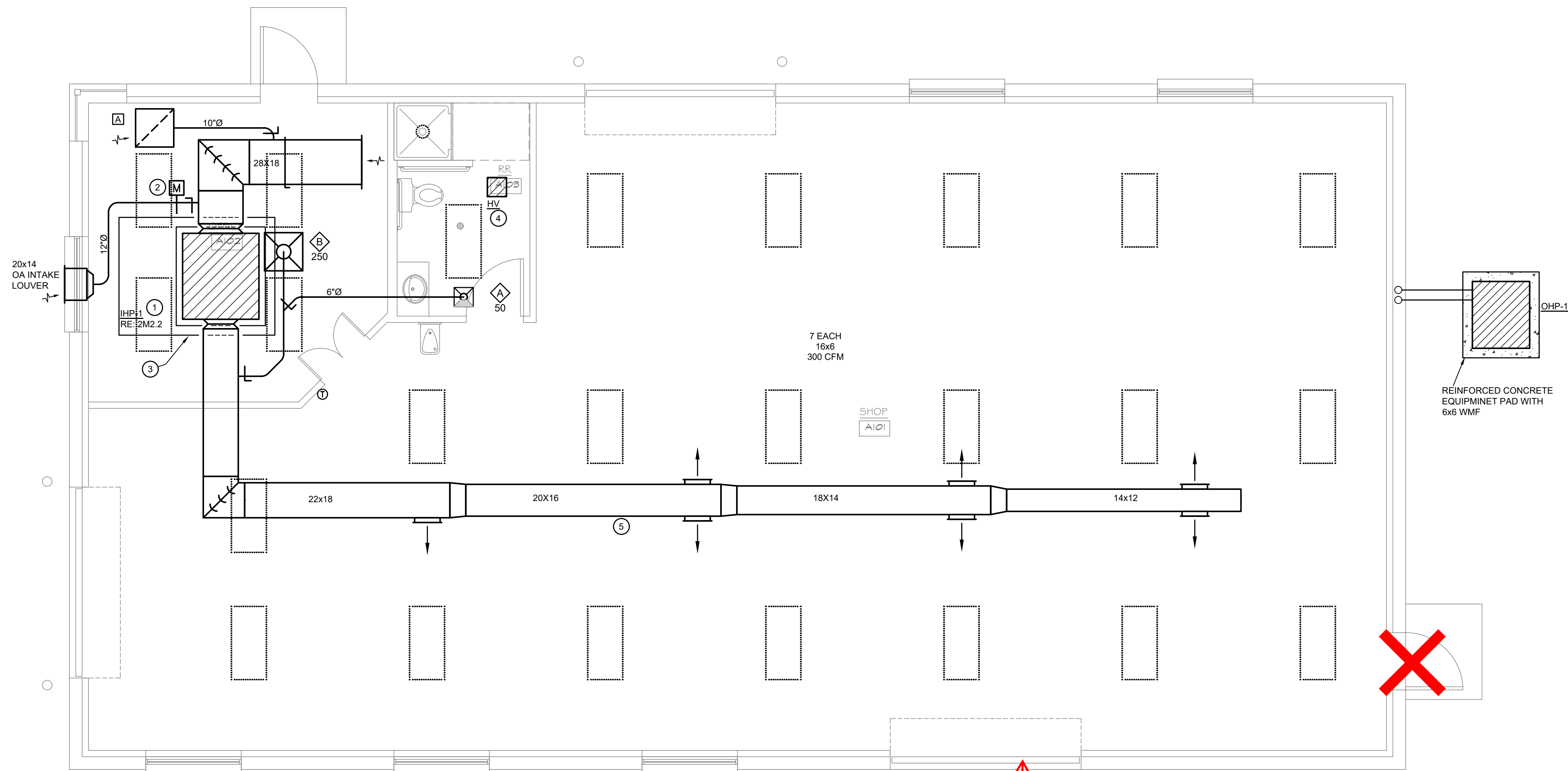
**ROCKWELL WOOD WORKING SHOP**  
1435 Drehr Avenue  
Baton Rouge, Louisiana

South Central Planning & Development Commission.  
Plans reviewed and approved in accordance with the Louisiana State Uniform Construction Code.  
Plan Examiner:  
*Adam Dwyer*  
By Adam Dwyer on:  
1-28-19 PM, Jan 28, 2019

REVISIONS	
NO.	DATE

PROJECT NO.	18-8683
DRAWN BY	PLM
CHECKED BY	DIN
DATE	JANUARY 2019

SHEET  
**M1.2**



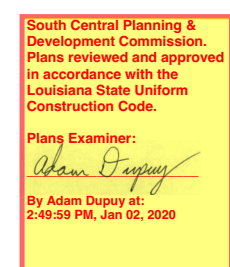
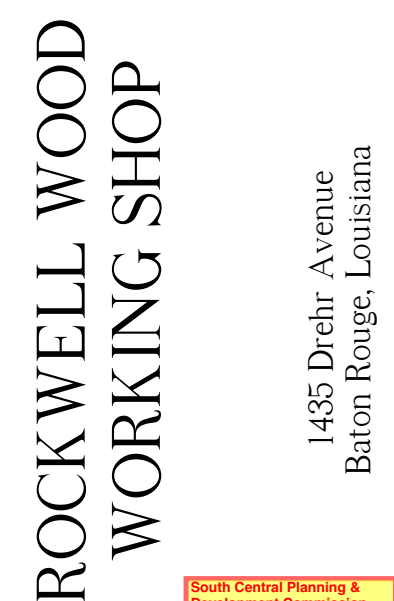
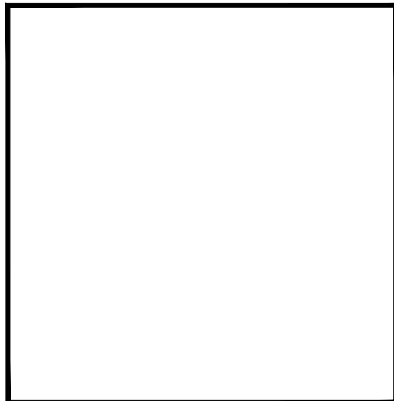
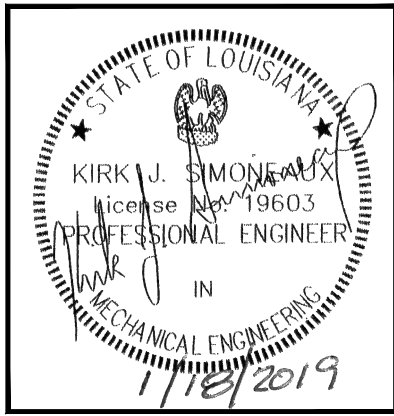
**1** HVAC FLOOR PLAN  
1/4" = 1'-0"

## 2 KEYNOTES

- ① PROVIDE NEW INDOOR HEAT PUMP UNIT ON DECK ABOVE OFFICE. ROUTE NEW INSULATED CONDENSATE LINE TO NEW HUB DRAIN. RE: 2M2.2 FOR DETAIL.
- ② PROVIDE NEW MOTORIZED AND MANUAL BALANCING DAMPER IN OA DUCT.
- ③ PROVIDE NEW 3/4" PLYWOOD EQUIPMENT PLATFORM. EXTEND 6" BEYOND UNIT ON ALL SIDES. EXTEND 30" BEYOND UNIT ON SERVICE SIDE.
- ④ PROVIDE NEW HEAT VENT TO SERVE RESTROOM. ROUTE EXHAUST DUCT UP TO NEW ROOF CAP. BROAN MODEL 636 OR APPROVED EQUAL WITH BACKDRAFT DAMPER AND BIRDSCREEN.
- ⑤ ROUTE DUCTWORK BELOW BOTTOM CHORD OF TRUSS.

## 3 GENERAL NOTES

1. ALL RECTANGULAR SUPPLY AIR DUCTWORK TO BE EXTERNALLY WRAPPED. THE FIRST 10 FT. OF SUPPLY DUCT LEAVING THE UNIT SHALL BE BOTH INTERNALLY LINED AND EXTERNALLY WRAPPED. REFER TO SPECIFICATIONS.
2. ALL RECTANGULAR RETURN AIR DUCTWORK TO BE INTERNALLY LINED. REFER TO SPECIFICATIONS.



REVISIONS	
NO.	DATE

PROJECT NO. 18-8683
DRAWN BY PLM
CHECKED BY DIN
DATE JANUARY 2019

SHEET  
**M2.1**

Double side hinged door

P:\Project\_Active\ROCKWELL WOOD WORKING SHOP\_19-8683\Drawings\868302\_1.dwg, NSL1, 1/18/2019 10:26:53 AM, lbauchaux

# 1 MECHANICAL EQUIPMENT SCHEDULES

## HEAT PUMP UNITS, INDOOR

DESIGNATION	SUPPLY CFM	O.A. CFM	EXTERNAL S.P. IN. W.G. (1)	COOLING BTUH ARI-210/240		BTUH HTG. 17°F DB OUTDOOR	FAN MOTOR			AUX. HEAT ELEC.			REMARKS
				SENS.	TOTAL		HP	VOLTS	PH	KW	VOLTS	PH	
IHP-1	2,400	310	0.75	56,000	72,000	60,000	1.5	208	3	5	208	3	(2), (3), (4)

- NOTES:
- (1) FILTERS, COOLING COIL AND AUXILIARY HEATING COIL ASSUMED PART OF INTERNAL STATIC PRESSURE.
  - (2) PROVIDE SMOKE DETECTOR IN SUPPLY AND RETURN DUCTS. RE: ELECTRICAL.
  - (3) BASIS OF DESIGN: TRANE TWE SERIES.
  - (4) REFER TO SPECIFICATIONS.

## HEAT PUMP UNITS, OUTDOOR

DESIGNATION	COOLING CAPACITY BTUH	SUCTION TEMP. °F	COOLING AMB. AIR °F	HEATING AMB. AIR °F	HEATING CAPACITY BTUH (1)	ELEC. DATA		REMARKS
						VOLTS	PH	
OHP-1	72,000	45	95	20	60,000	208	3	(2), (3), (4), (5)

- NOTES:
- (1) HEATING CAPACITY TO INCLUDE DEFROST CYCLES.
  - (2) PROVIDE LOCKING SERVICE PORT CAPS ON OUTDOOR UNIT. JB INDUSTRIES SHIELD SERIES, RECTOR SEAL GASGUARD SERIES OR APPROVED EQUAL.
  - (3) MINIMUM EQUIPMENT EFFICIENCY: 11.0 EER, 3.3 COP.
  - (4) BASIS OF DESIGN: TRANE TWA SERIES.
  - (5) REFER TO SPECIFICATIONS.

## HEAT-VENT - HV

CEILING MOUNTED RECESSED COMBINATION HEAT-VENT. UNIT TO BE FOR 70 CFM EXHAUST @ 0.1" S.P., 120 VOLT, 1 PHASE, WITH 1500 WATT HEATING ELEMENT WITH BLOWER. PROVIDE DUAL FUNCTION WALL SWITCH WITH TWO SWITCHES LABELED "HEAT" AND "VENT." NUTONE MODEL 9905, BROAN MODEL 658, OR EQUAL AS LISTED BY ADDENDUM.

## CEILING DIFFUSERS

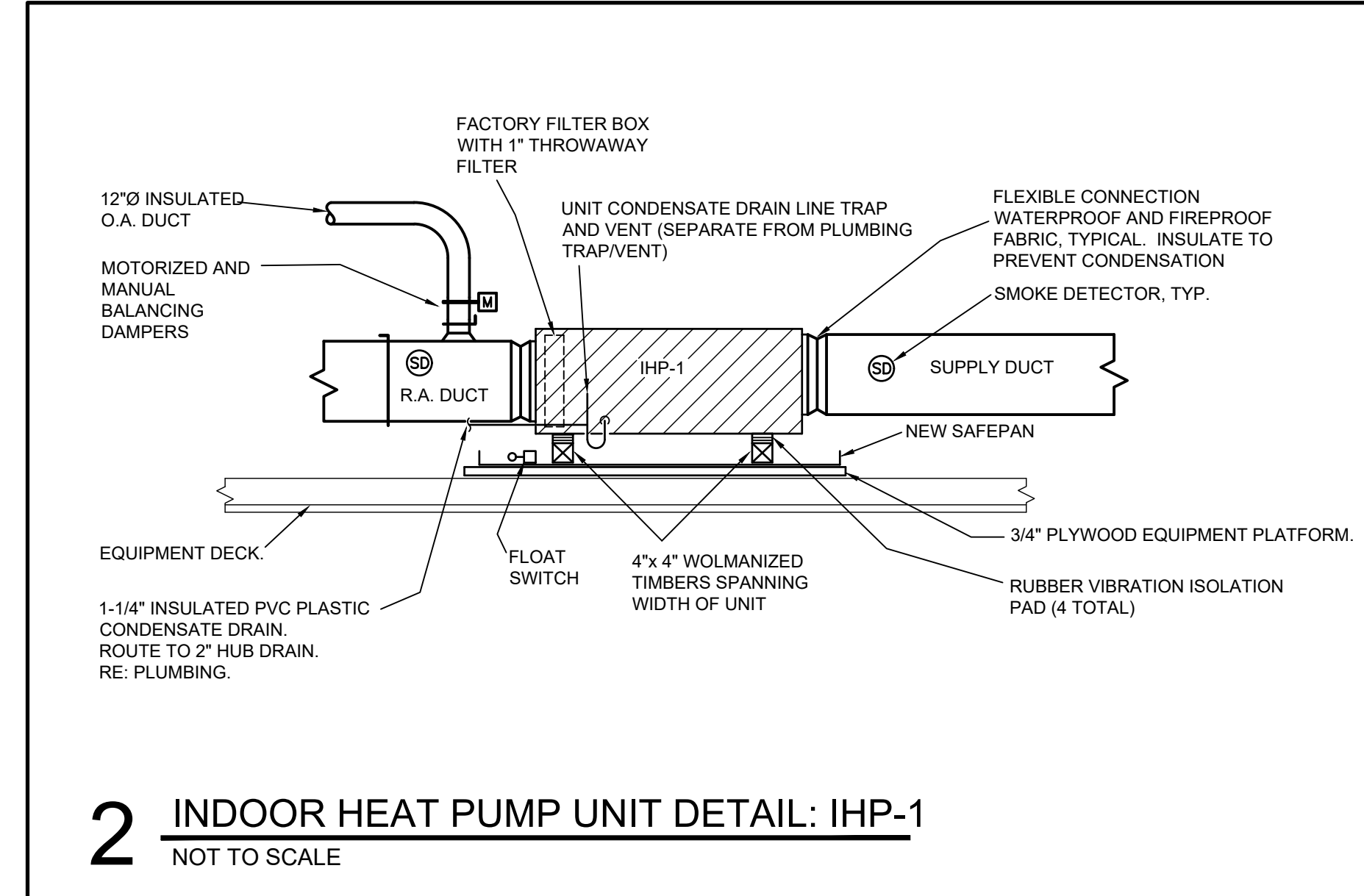
DESIGNATION	NECK SIZE	MAX. DESIGN CFM	CONNECTING DUCT SIZE	MAX. PRESS. DROP FOR SPIN TAP 25'-0" STRAIGHT FLEXIBLE DUCT AND DIFFUSER COMBINATION	NOMINAL FACE SIZE (INCHES)	REMARKS
◇	6" DIA.	100	6" DIA.	0.15	12 x 12	(1), (2)
◇	10" DIA.	350	10" DIA.	0.15	24 x 24	(1), (2)

- NOTES:
- (1) REFER TO SPECIFICATIONS.
  - (2) SUPPLIERS NOT ABLE TO MEET ANY OF THE ABOVE COMBINATIONS SHALL USE THE NEXT LARGER TYPE SCHEDULED.

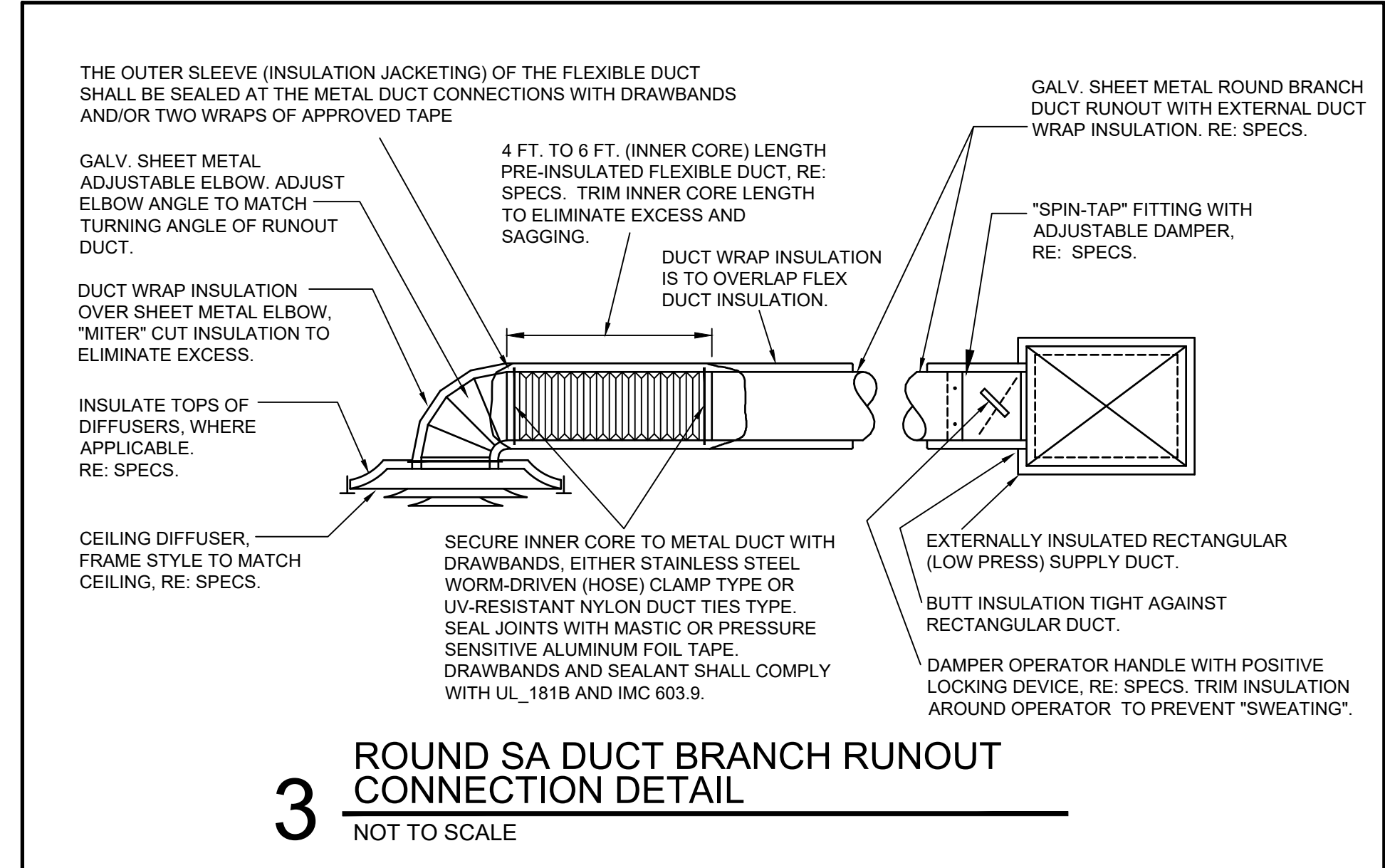
## RETURN / EXHAUST AIR GRILLES

GRILLE TYPE	GRILLE SIZE (INCHES)	GRILLE TYPE	RUN-OUT CONNECTING DUCT SIZE (1)	FINISH	REMARKS
A	24 x 24	(2)	SEE PLANS	WHITE	(3)

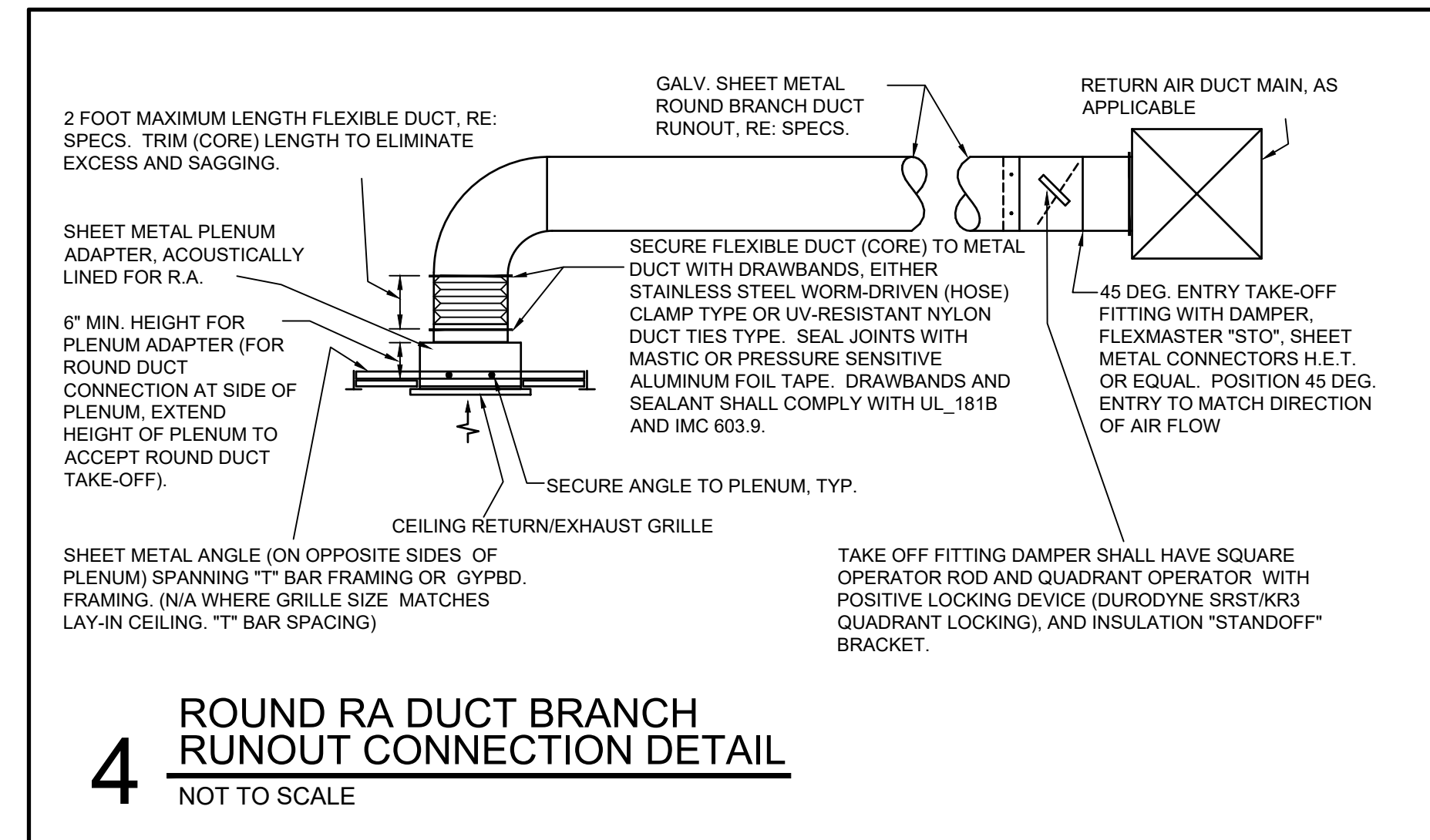
- NOTES:
- (1) UNLESS NOTED OTHERWISE ON FLOOR PLAN DRAWING, HORIZONTAL RUN-OUT CONNECTING DUCT SHALL BE SIZE AS SCHEDULED.
  - (2) EGGCRATE STYLE, FRAME STYLE TO MATCH CEILING TYPE, REFER TO SPECIFICATIONS.
  - (3) REFER TO SPECIFICATIONS.



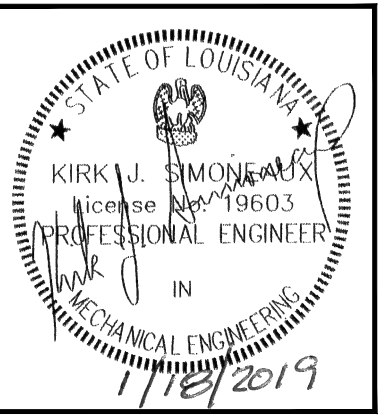
**2 INDOOR HEAT PUMP UNIT DETAIL: IHP-1**  
NOT TO SCALE



**3 ROUND SA DUCT BRANCH RUNOUT CONNECTION DETAIL**  
NOT TO SCALE



**4 ROUND RA DUCT BRANCH RUNOUT CONNECTION DETAIL**  
NOT TO SCALE



**AST ENGINEERS**  
8417 Keilwood Avenue  
Baton Rouge, Louisiana 70806  
(p) 225.926.5600 | (f) 225.926.5620

**ROCKWELL WOOD WORKING SHOP**

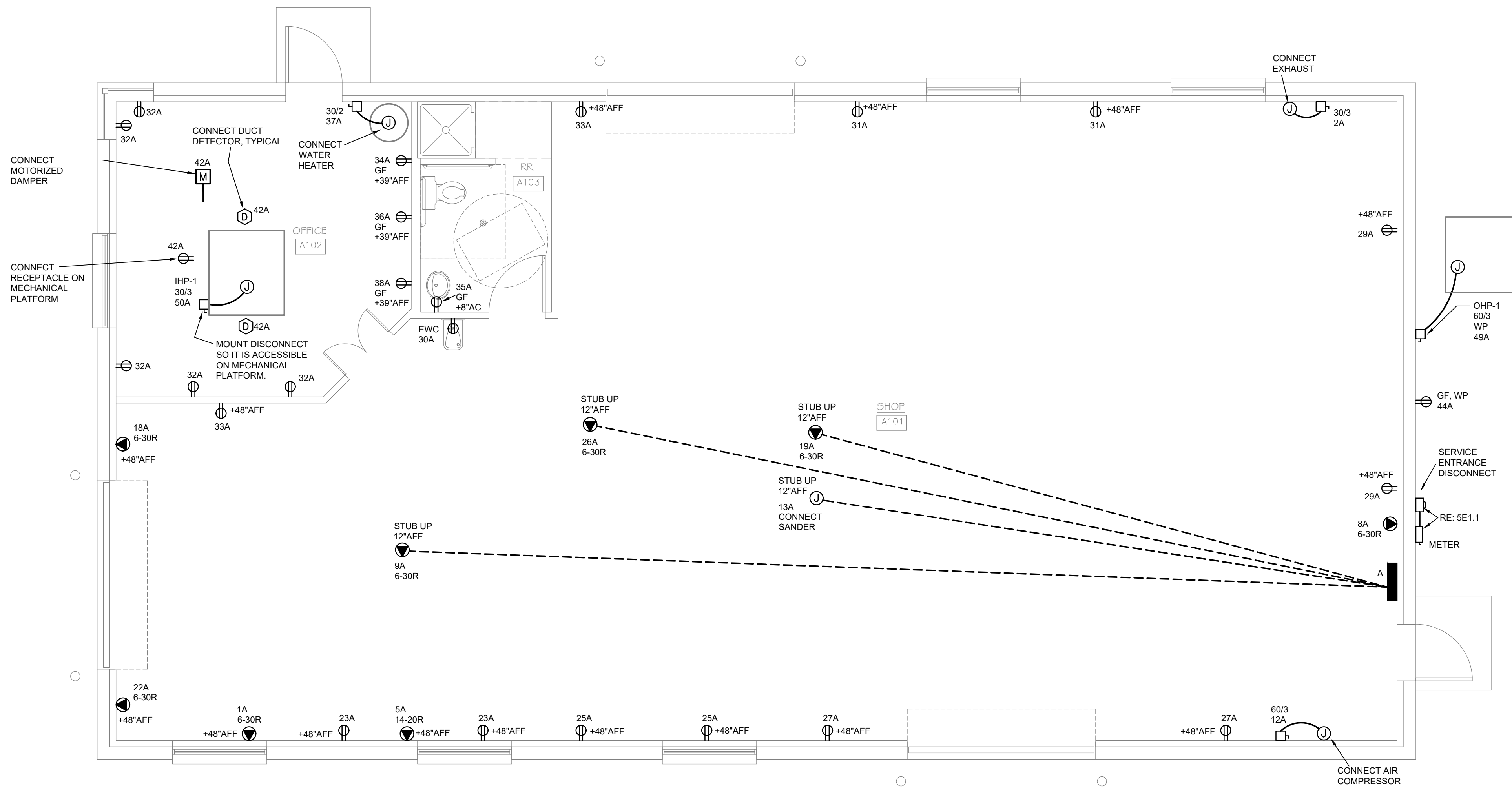
1435 D'Arb Avenue  
Baton Rouge, Louisiana

South Central Planning & Development Commission, Plans reviewed and approved in accordance with the Louisiana State Uniform Construction Code.  
Plan Examiner:  
By Adam Murphy  
01/29/2019 10:46:02 AM

REVISIONS	
NO.	DATE

PROJECT NO. 18-8683
DRAWN BY PLM
CHECKED BY DIN
DATE JANUARY 2019

SHEET  
**M2.2**



**1 POWER FLOOR PLAN**  
1/4" = 1'-0"

**2 PANELBOARD SCHEDULE**

PANEL NAME:	A		QUANTITY OF SECTIONS:	1		FEED THRU LUGS:	NO	
VOLTAGE:	208Y/120, 3 PHASE, 4 WIRE		QUANTITY OF SECTIONS:	1		FEED:	200% NEUTRAL: NO	
MAIN:	400A MLO FULLY RATED		QUANTITY OF SECTIONS:	1		FEED:	BOTTOM	
AIC SYMMETRICAL INTERRUPTING BRACING:	22K		QUANTITY OF SECTIONS:	1		EQUIPMENT GROUND BUS:	YES	
ENCLOSURE:	SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1		QUANTITY OF SECTIONS:	1		ISOLATED GROUND BUS:	NO	

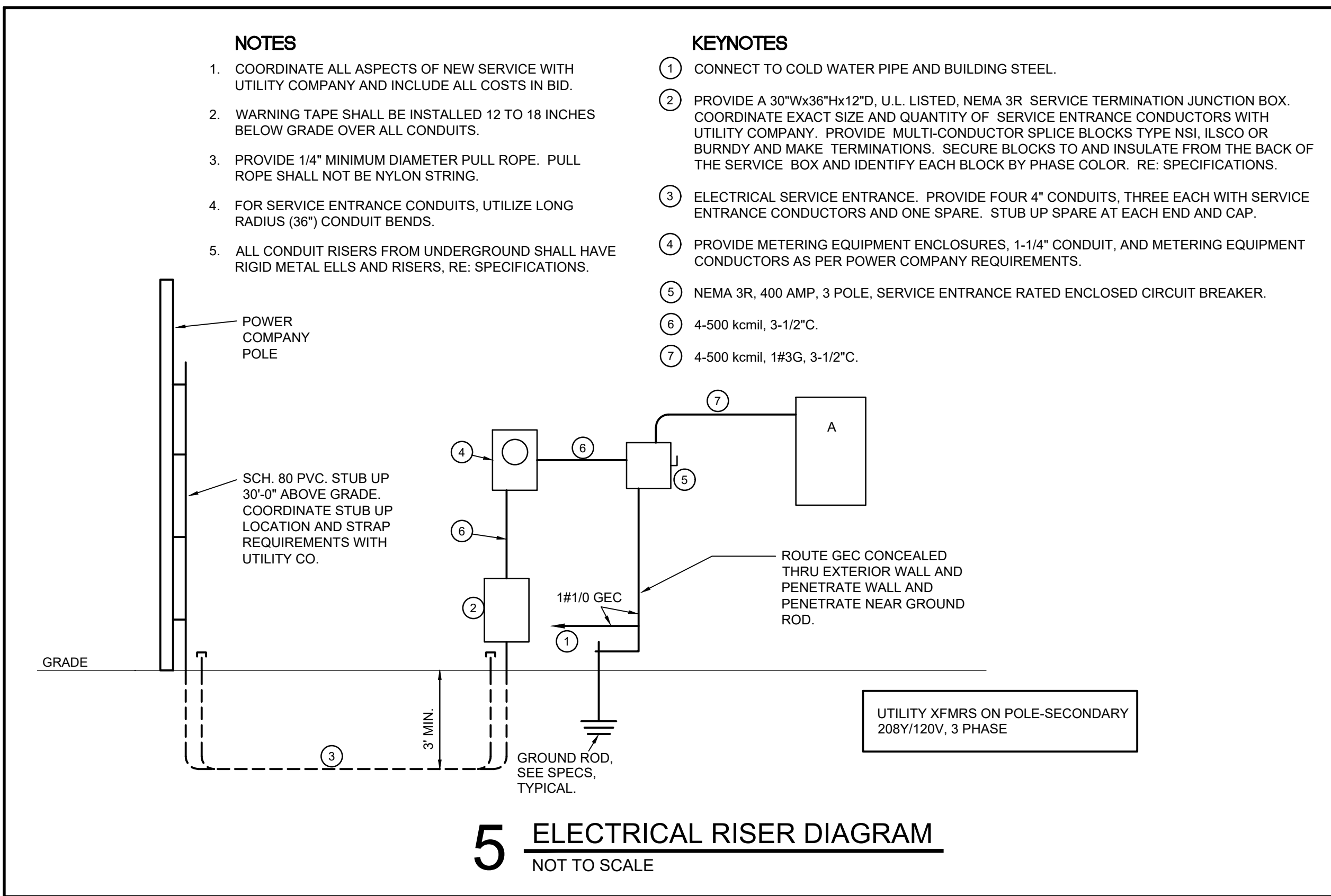
DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
SHAPER	2#10, 1#10G, 3/4"	30	2	1	A	2	3	20	3#12, 1#12G, 1/2"	EXHAUST
BANDSAW	3#12, 1#12G, 1/2"	20	2	5	C	6	-	-	-	-
TABLE SAW	2#10, 1#10G, 3/4"	30	2	9	B	10	-	-	-	-
WIDE BELT SANDER	3#4, 1#8G, 1"	80	3	13	A	14	-	-	3#8, 1#10G, 3/4"	AIR COMPRESSOR
15" PLANERS	2#10, 1#10G, 3/4"	25	2	19	A	20	-	-	2#10, 1#10G, 3/4"	SHAPER
RECEPTACLES	2#12, 1#12G	20	1	23	C	24	-	-	2#10, 1#10G, 3/4"	8" JOINTER
RECEPTACLES	2#12, 1#12G	20	1	27	B	28	-	-	-	-
RECEPTACLES	2#12, 1#12G	20	1	29	C	30	1	20"	2#12, 1#12G	EWC
RECEPTACLES	2#12, 1#12G	20	1	31	A	32	1	20"	2#12, 1#12G	RECEPTACLES
RECEPTACLES	2#12, 1#12G	20	1	33	B	34	1	20"	2#12, 1#12G	RECEPTACLES
RECEPTACLES	2#12, 1#12G	20	1	35	C	36	1	20"	2#12, 1#12G	RECEPTACLES
EWH	2#10, 1#10G, 3/4"	30	2	37	A	38	1	20"	2#12, 1#12G	RECEPTACLES
HV	2#12, 1#12G	20	1	41	C	42	1	20"	2#12, 1#12G	RECEPTACLES
SPARE	-	20	1	43	A	44	1	20"	2#12, 1#12G	RECEPTACLES
SPARE	-	20	1	45	B	46	1	20"	-	SPARE
SPARE	-	20	1	47	C	48	1	20"	-	SPARE
OHP-1	3#8, 1#10G, 3/4"	50	3	49	A	50	3	25"	3#10, 1#10G, 3/4"	IHP-1
-	-	-	-	51	B	52	-	-	-	-
-	-	-	-	53	C	54	-	-	-	-

**3 GENERAL NOTE**

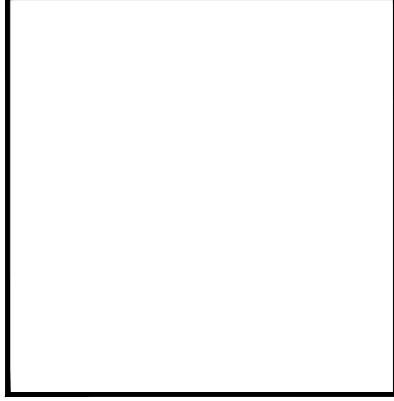
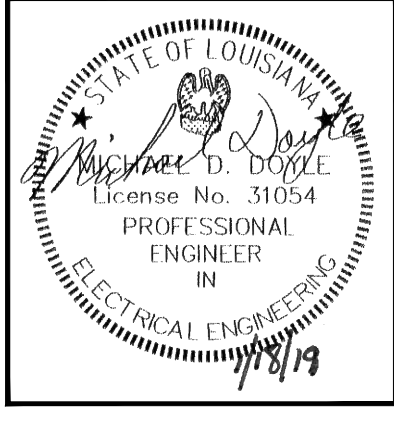
1. VERIFY EQUIPMENT CONNECTION REQUIREMENTS PRIOR TO INSTALLING RECEPTACLES.

**4 ELECTRICAL SYMBOL SCHEDULE**

	LIGHTING FIXTURE	WP	WEATHERPROOF, NEMA 3R OR AS NOTED ON PLANS.
	WALL MOUNTED LIGHTING FIXTURE	48" AFF	MOUNT 48" ABOVE FINISHED FLOOR TO CENTER LINE.
	LIGHTING FIXTURE TYPE A: CONNECT TO CIRCUIT NO. 1 IN PANEL A. CONNECT TO SWITCH INDICATED BY LETTER "a". WHERE NO LETTER IS SHOWN, CONNECT TO SWITCH(ES) (SINGLE POLE OR THREE-WAY) IN ROOM.	RE: 1E2.1	REFER TO DETAIL 1, SHEET E2.1.
	EXIT LIGHT: SHADED AREA DENOTES FACE. WALL MOUNT WHEN SHOWN WITH BRACKET, CEILING MOUNT OTHERWISE. COORDINATE WITH DOOR SWINGS. PROVIDE ARROW(S) AS NOTED.	+8" AC	MOUNT 8" ABOVE COUNTER TOP TO BOTTOM OF DEVICE.
	WALL MOUNTED EMERGENCY BATTERY BACKED UP LIGHTING FIXTURE. MOUNT AT 7'-8" AFF.	1-1/2" EC	EMPTY CONDUIT WITH PULL WIRE.
	SINGLE POLE TOGGLE SWITCH	IG	ISOLATED GROUND
	THREE WAY TOGGLE SWITCH	GEC	GROUNDING ELECTRODE CONDUCTOR
	WALL MOUNTED, LINE VOLTAGE OCCUPANCY SENSOR DEVICE AND SWITCH.	①	REFERENCE TO ELECTRICAL KEYNOTE NUMBER 1
	CEILING MOUNTED, LINE VOLTAGE OCCUPANCY SENSING LIGHTING CONTROLLER		SURFACE MOUNTED PANEL DESIGNATED "A".
	DUPLEX RECEPTACLE	---	CONDUIT RUN CONCEALED IN WALL OR CEILING
	DOUBLE DUPLEX RECEPTACLE	---	CONDUIT RUN EXPOSED
	DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT PROTECTION.	---	CONDUIT RUN CONCEALED UNDER FLOOR OR UNDERGROUND.
	DUPLEX RECEPTACLE CONCEALED BEHIND EWC.	•	CONDUIT TURN UP OR DOWN AS NOTED ON PLANS
	SPECIAL RECEPTACLE, SEE PLANS.	N	NEUTRAL CONDUCTOR
	JUNCTION/PULL BOX	G	EQUIPMENT GROUNDING CONDUCTOR
	CIRCUIT BREAKER	60/3	DISCONNECT SWITCH WITH EQUIPMENT GROUND LUG (SIZE/POLE): 60A, 3 POLE, NON-FUSIBLE SWITCH.
			PHOTOCELL: MOUNT ON WALL AS HIGH AS POSSIBLE.
			FIRE ALARM SMOKE DETECTOR IN SUPPLY AND/OR RETURN AIR DUCT.

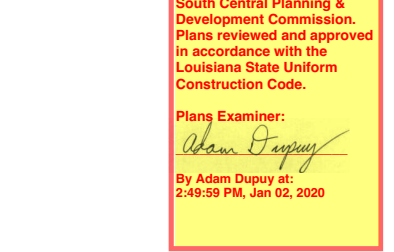


**5 ELECTRICAL RISER DIAGRAM**  
NOT TO SCALE



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**ROCKWELL WOOD WORKING SHOP**  
1435 Drehr Avenue  
Baton Rouge, Louisiana

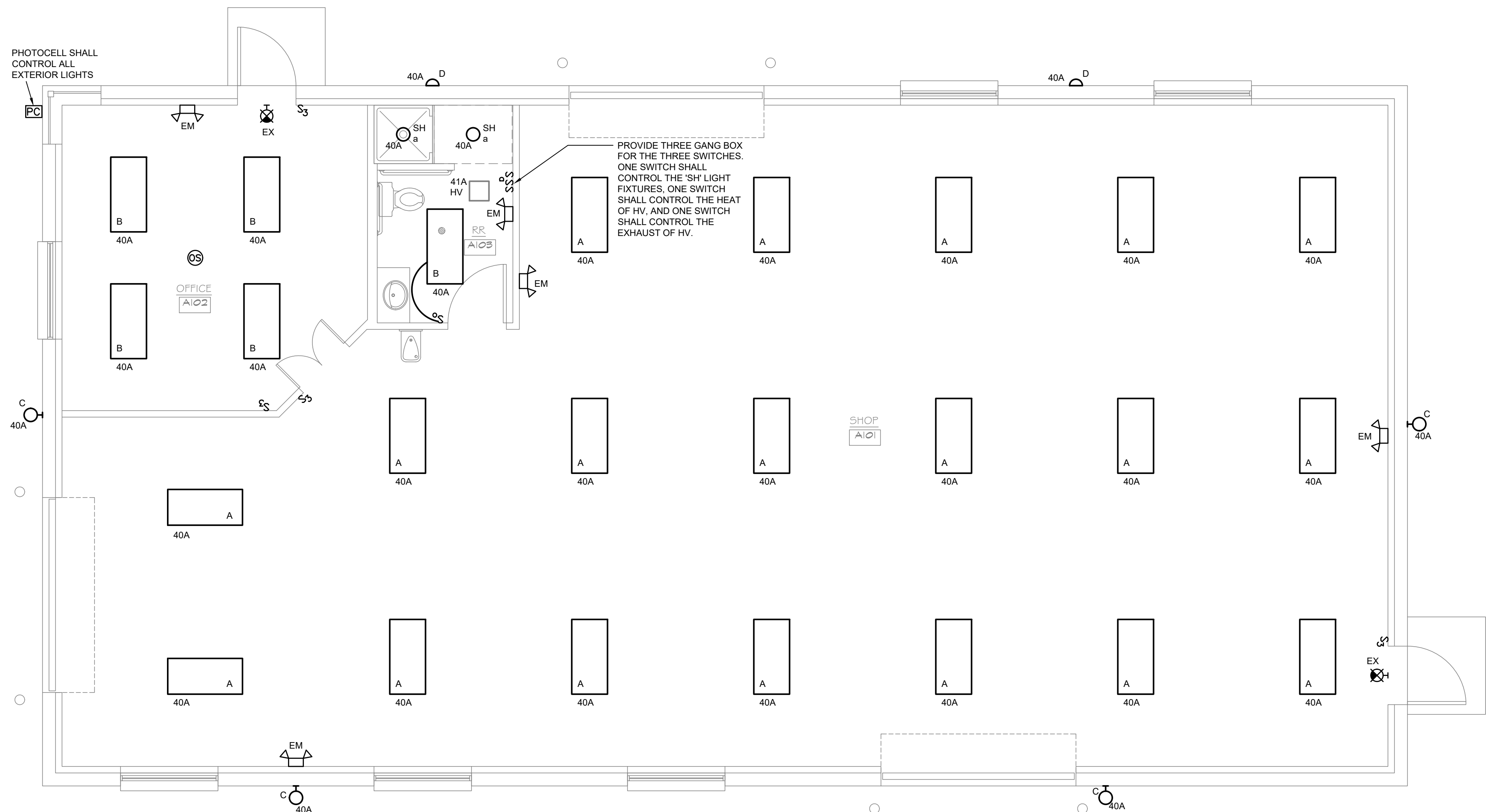


REVISIONS	
NO.	DATE

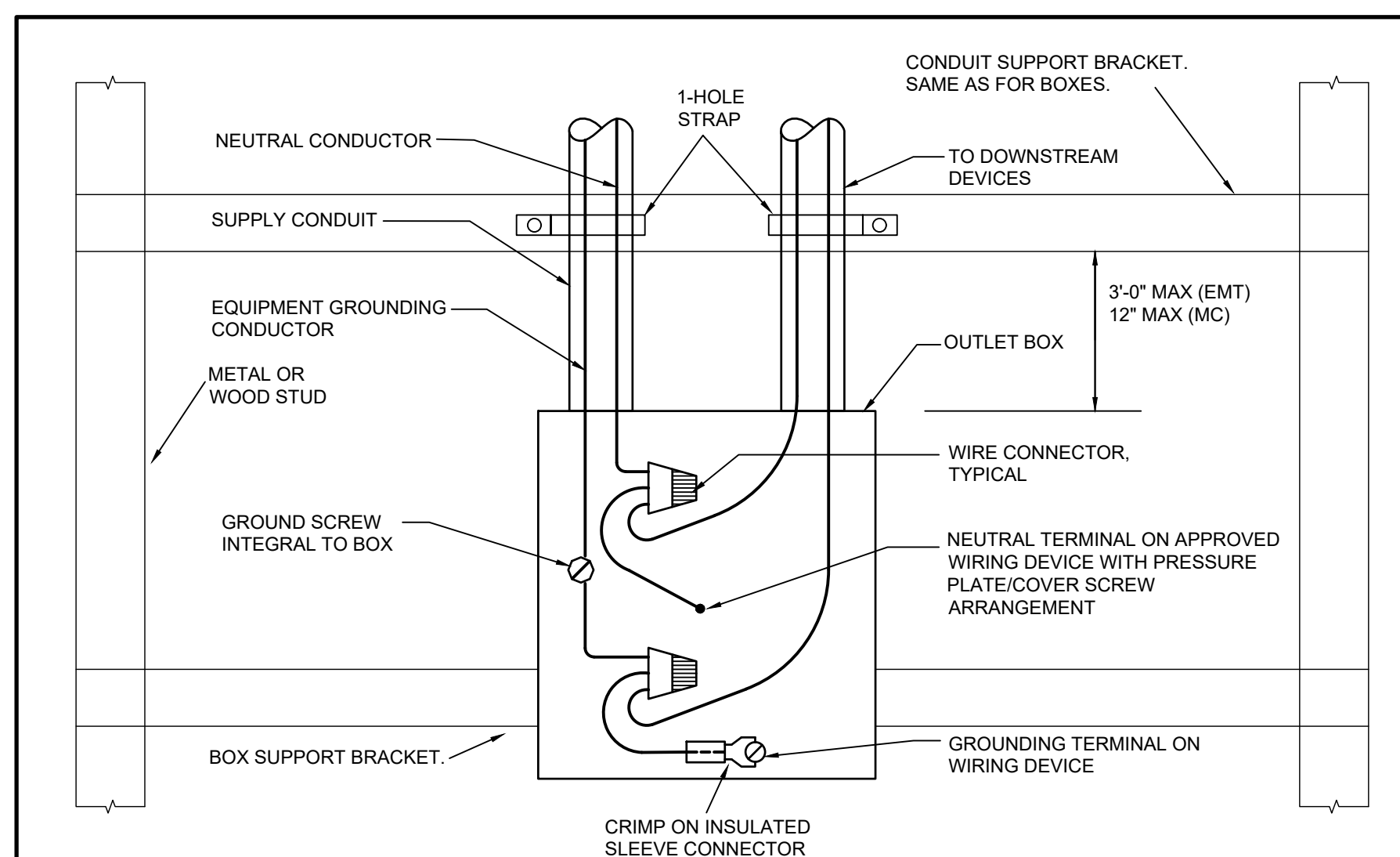
PROJECT NO.	18-8683
DRAWN BY	PLM
CHECKED BY	PAH
DATE	JANUARY 2019

SHEET  
**E1.1**

P:\Project\_Activity\ROCKWELL WOOD WORKING SHOP\_19\_8683\Drawings\8683E1.1.dwg, E1.1, 1/18/2019 9:46:28 AM, Michael D. Doyle



**1 LIGHTING FLOOR PLAN**  
1/4" = 1'-0"

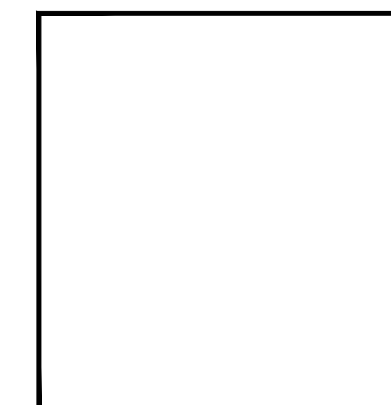
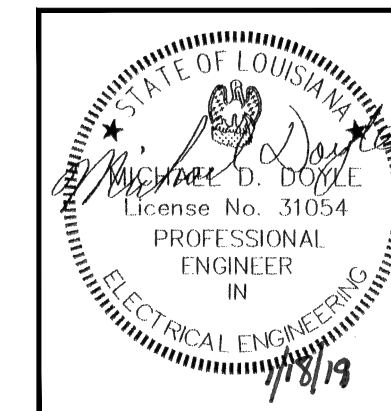


**3 WIRING DEVICE INSTALLATION DETAIL**  
NOT TO SCALE

- NOTES:
1. SWITCH GROUNDING SHALL BE WITHOUT NEUTRAL
  2. PROVIDE ADDITIONAL CONDUIT SUPPORT EVERY 10'-0" FOR EMT OR 6'-0" FOR MC.

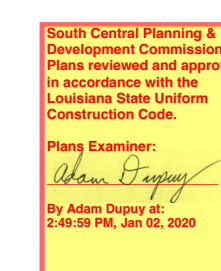
**2 LIGHTING FIXTURE SCHEDULE**

A	MANUF/NUMBER: METALUX24FP6440C-FPSURF24 VOLTAGE: 120 FINISH: WHITE LAMP: QUANTITY - WATTS- 60 TYPE- LED, 4000K, 6,700 LUMENS REMARKS: 2' x 4' FLAT PANEL. PROVIDE SURFACE MOUNT KIT AND BACKING FOR MOUNTING THE FIXTURE TO THE UNDERSIDE OF THE WOOD TRUSS.
B	MANUF/NUMBER: METALUX24FP4735C-FPSURF24 VOLTAGE: 120 FINISH: WHITE LAMP: QUANTITY - WATTS- 41 TYPE- LED, 3500K, 4,900 LUMENS REMARKS: 2' x 4' FLAT PANEL. PROVIDE SURFACE MOUNT KIT AND BACKING FOR MOUNTING THE FIXTURE TO THE UNDERSIDE OF THE WOOD TRUSS.
C	MANUF/NUMBER: EATON/FT1850L VOLTAGE: 120 FINISH: WHITE LAMP: QUANTITY - WATTS- 13 TYPE- LED, 5000K, 1,050 LUMENS REMARKS: TWIN HEAD WALL MOUNTED SECURITY LIGHT.
D	MANUF/NUMBER: MCGRAW-EDISON/ISS-AF-600-LED-E1-T4W-BZ- VOLTAGE: 120 FINISH: BRONZE LAMP: QUANTITY - WATTS- 34 TYPE- LED, 4000K, 4,000 LUMENS REMARKS: 18" W x 9" H QUARTER SPHERE FIXTURE. FIXTURE SHALL BE IP 66 RATED. MOUNT FIXTURE AT 11'-0" ABOVE FINISHED FLOOR.
SH	MANUF/NUMBER: PATHWAY/6VLEDWL13004K/6VLEDWL-SCL/9127 MANUF/NUMBER: LITHONIA/EVO 41/14 6 DFR VOLTAGE: 120 FINISH: WHITE LAMP: QUANTITY - WATTS- 12 TYPE- LED, 4000K, 900 DELIVERED LUMENS MIN. REMARKS: 6" DIA. SOLID STATE SHOWER LIGHT WITH NON-CONDUCTIVE TRIM. LUMINAIRE SHALL BE WET LOCATION LISTED.
EM	MANUF/NUMBER: LIGHTALARMS/LCA-2SQ MANUF/NUMBER: WILLIAMS/EMER-WHT MANUF/NUMBER: PRESCLITE/INV3-0609 MANUF/NUMBER: SURE-LITES/CC4WH MANUF/NUMBER: EMERGH-LITE/ECM18-2 (ZD) MANUF/NUMBER: LITHONIA/ELM2 VOLTAGE: 120/277 FINISH: WHITE LAMP: QUANTITY - 2 WATTS- TYPE- INC. REMARKS: EMERGENCY LUMINAIRE WITH BATTERY PACK. CONNECT TO AREA BRANCH LIGHTING CIRCUIT AHEAD OF ANY LOCAL SWITCHING WITH 3#12 CONDUCTORS IN CONDUIT.
EX	MANUF/NUMBER: WILLIAMS/EXT-R-EM-WHT MANUF/NUMBER: PRESCLITE/PEX-L*-R-EC-W MANUF/NUMBER: LITHONIA/LQM-S-W*-R-120/277-ELN MANUF/NUMBER: SURE-LITES/LPX-7-0-R-WH MANUF/NUMBER: EMERGH-LITE/LED-W-SMX*-R*-EI VOLTAGE: 120/277 FINISH: WHITE WITH RED LETTERS LAMP: QUANTITY - WATTS- 7 TYPE- LED REMARKS: POLYCARBONATE SINGLE OR DOUBLE FACE EXT FIXTURE WITH SELF-CONTAINED NICKEL CADMIUM BATTERY PACK MOUNTED INTERNALLY. PROVIDE FACE(S) AND ARROW(S) AS SHOWN ON DRAWINGS. FIXTURE SHALL PROVIDE EVEN ILLUMINATION SUCH THAT INDIVIDUAL LED'S ARE NOT VISIBLE. CONNECT TO AREA LIGHTING BRANCH CIRCUIT AHEAD OF ANY LOCAL SWITCHING WITH 2#12 AND 1#12G CONDUCTORS IN CONDUIT.



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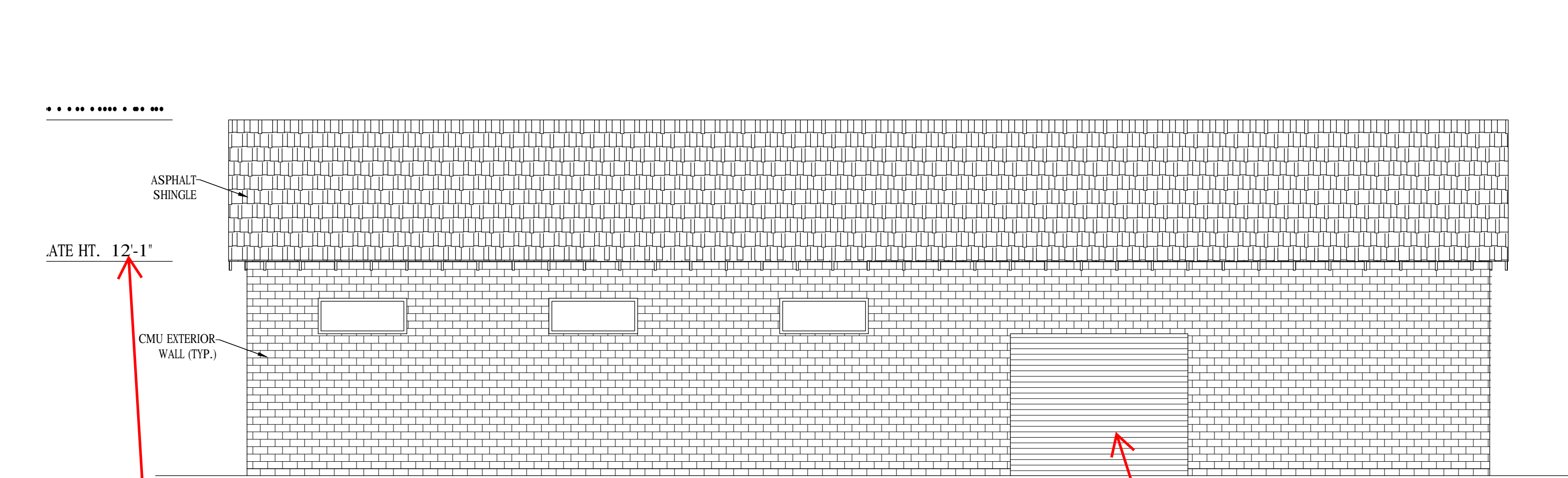


REVISIONS	
NO.	DATE

PROJECT NO.	18-8683
DRAWN BY	PLM
CHECKED BY	PAH
DATE	JANUARY 2019

SHEET  
**E2.1**

16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

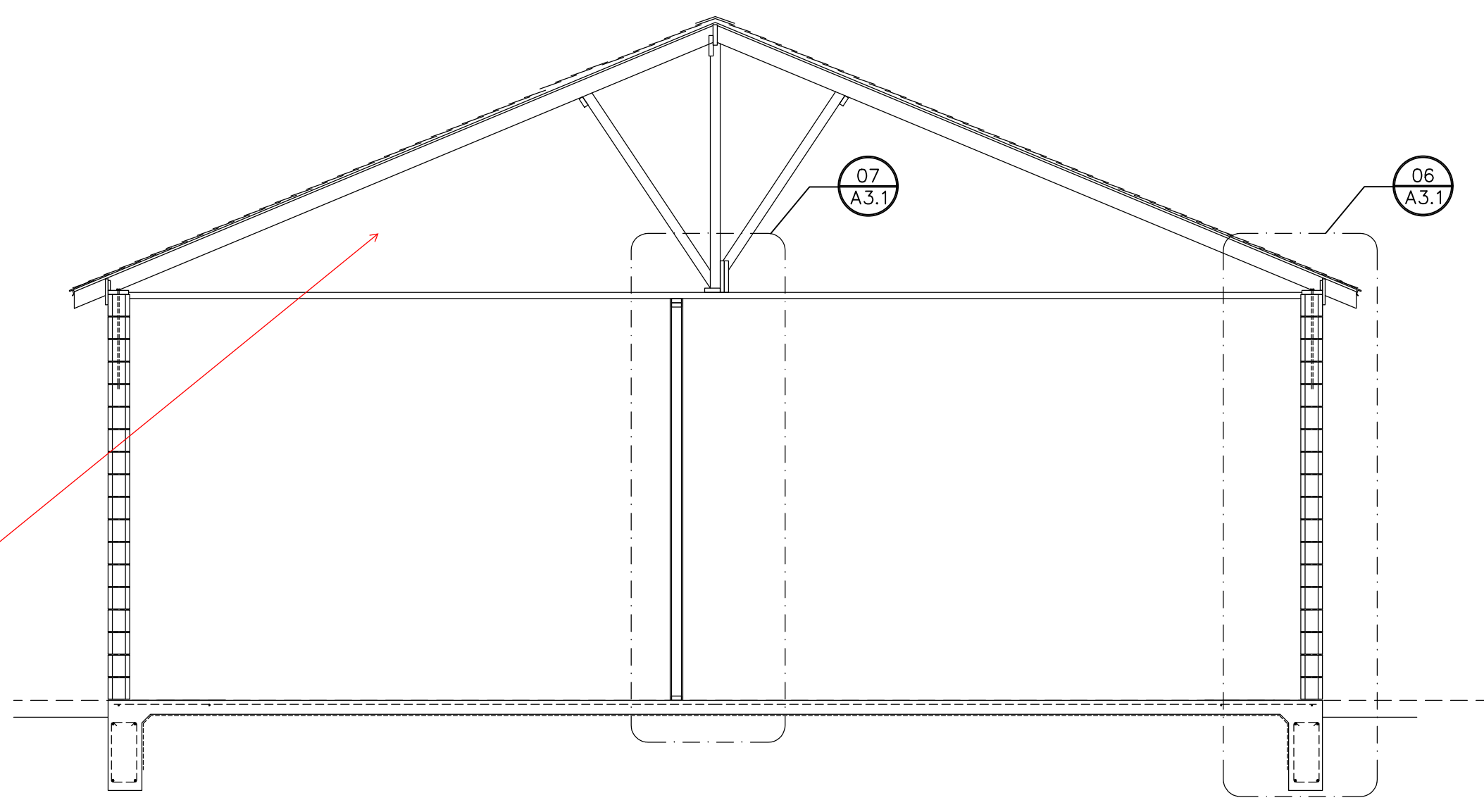


01 FRONT ELEVATION  
SCALE: 1/4" = 1'-0"

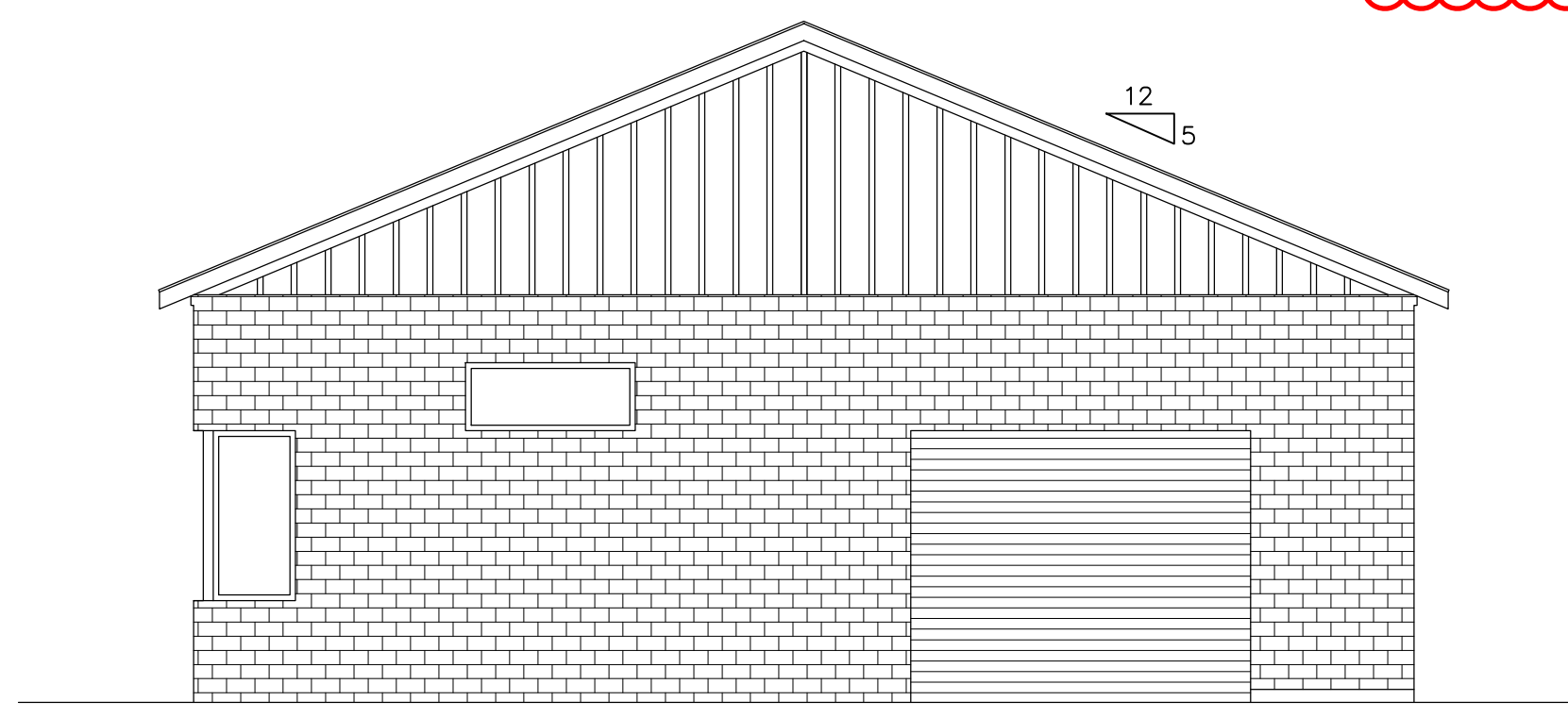
10' height per  
engineered plans

Double side hinged door

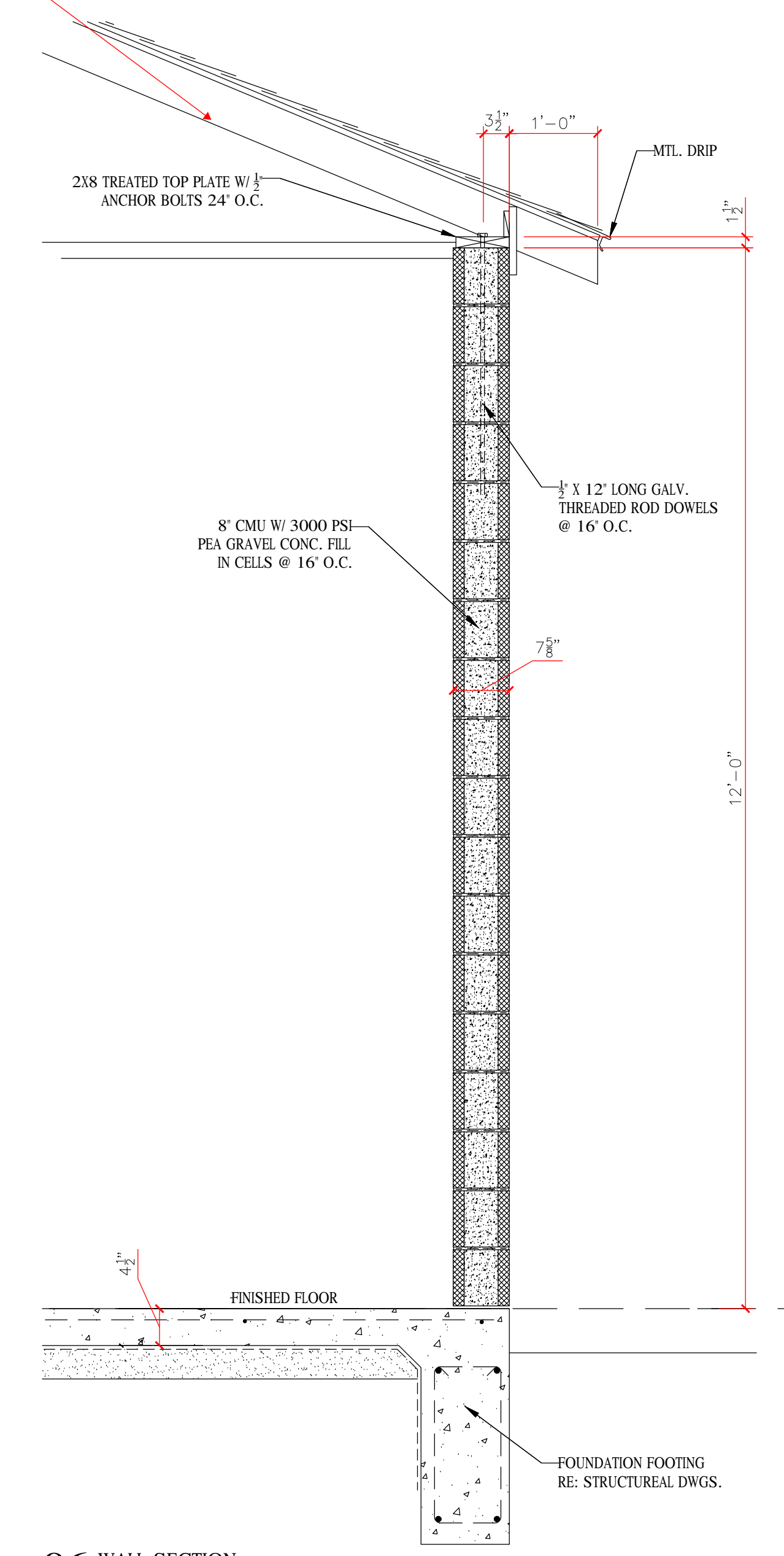
Truss roof  
see attached



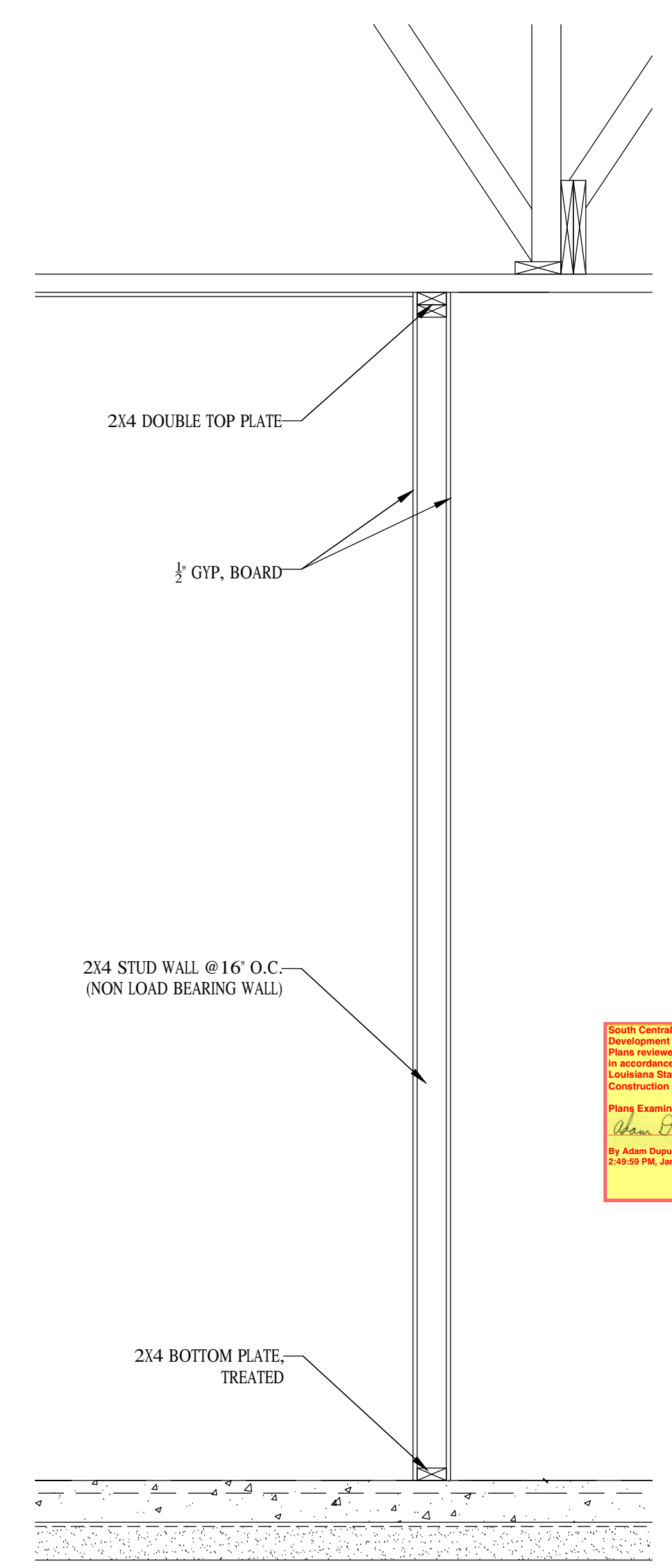
05 BUILDING SECTION  
SCALE: 1/4" = 1'-0"



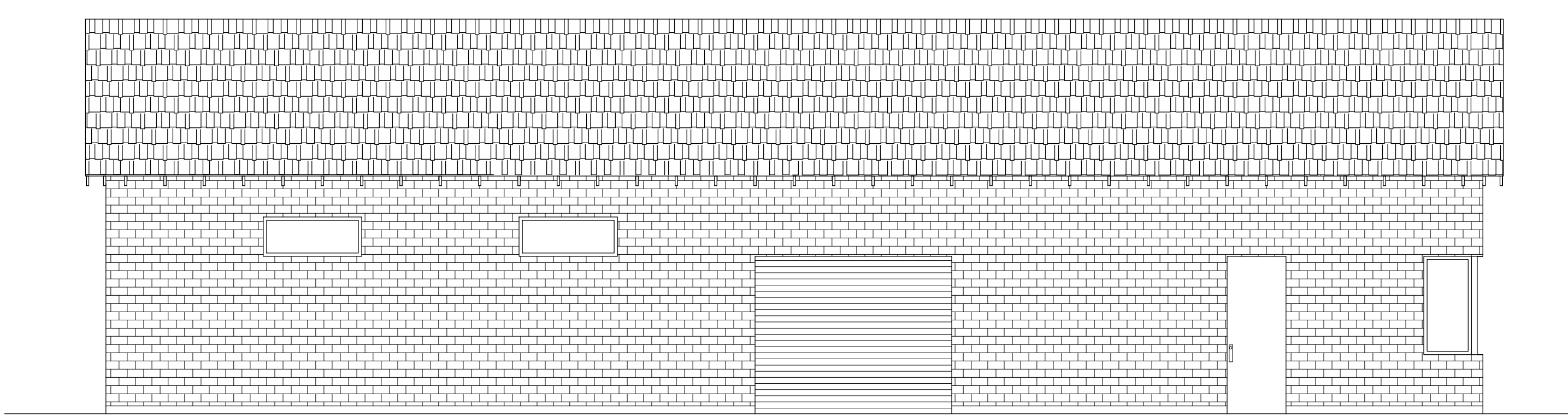
02 LEFT ELEVATION  
SCALE: 1/4" = 1'-0"



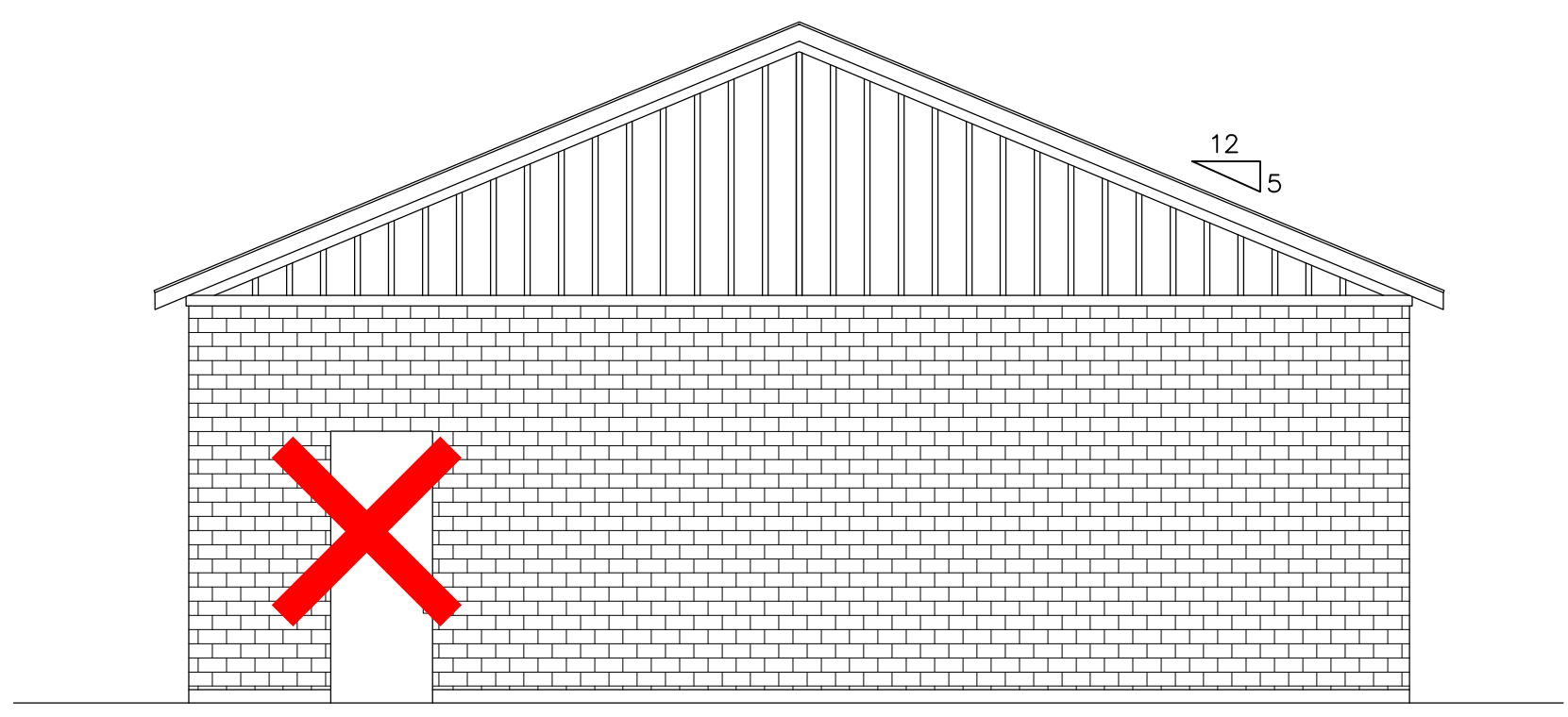
06 WALL SECTION  
SCALE: 1/4" = 1'-0"



07 INT. WALL SECTION  
SCALE: 3/4" = 1'-0"



03 REAR ELEVATION  
SCALE: 1/4" = 1'-0"



04 RIGHT ELEVATION  
SCALE: 1/4" = 1'-0"

THE DRAWINGS AND DESIGN REPRESENTED HEREIN SHALL REMAIN THE PROPERTY OF THE DESIGNER. NO PART THEREOF SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF THE DESIGNER. THESE DRAWINGS IN WHOLE OR IN PART IS STRICTLY PROHIBITED AND SUBJECT TO PROSECUTION OF LAW. COPIED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER. THESE DRAWINGS AND DESIGN REPRESENTED THERE ON SHALL BE USED ONLY FOR THE PROJECT AND SITE SHOWN HEREON. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECT. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THESE DRAWINGS. THE CONTRACTOR SHALL CAREFULLY REVIEW ALL DIMENSIONS AND CONDITIONS SHOWN AND SHALL AT ONCE REPORT TO THE DESIGNER ANY ERROR, INCONSISTENCY, OR OMISSION THAT HE MAY DISCOVER. ALL WORK REQUIRED BY THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH AND COMPLY WITH THE REQUIREMENTS OF APPLICABLE CODES, ORDINANCES, AND REGULATIONS, INCLUDING ACQUISITIONS OF THE STATE, THE MUNICIPAL, AND THE NATIONAL ELECTRICAL CODE. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR QUALITY OF STRUCTURAL INTEGRITY OF THE PROJECT.

**VEILLON DESIGN**  
DESIGN - PLANNING - CODE REVIEW - PROJECT MANAGEMENT  
2238 TIGER CROSSING DRIVE  
BATON ROUGE, LA 70810  
CELL: 504.275.6261

**VEILLON DESIGN**  
DESIGN - PLANNING - CODE REVIEW - PROJECT MANAGEMENT

ROCKWELL STUDIO  
690 N. 18TH STREET  
BATON ROUGE, LA 70806

PROJECT NO. : ROCK1801	DATE : 10.05.18
SHEET TITLE : ELEVATIONS, BUILDING & WALL SECTIONS	
DESIGNER : C. VEILLON	
REVISION DATE : 10.22.18	
SHEET NO. : A3.1	

Small Control Planning & Development Commission. Plans reviewed and approved in accordance with the Louisiana State Uniform Construction Code.  
By: *Alan Dancy*  
2:58:09 PM, Jan 02, 2019

16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

K | J | I | H | G | F | E | D | C | B | A

K | J | I | H | G | F | E | D | C | B | A

# STRUCTURAL NOTES

## DESIGN CRITERIA:

D1. ALL WORK SHALL CONFORM TO AT LEAST THE MINIMUM STANDARDS.

- A. IBC 2012 BUILDING CODE.
- B. ASCE-7-10

D2. DESIGN LOAD VALUES:

- A. SOIL CONTACT PRESSURE = PILES REQD
- B. SELF WEIGHT.
- C. DEAD LOAD FOR PARTITIONS, MECHANICAL, ELECTRICAL, HVAC = 20 psf.
- D. GROUND SNOW LOAD = 10 psf.
- E. LIVE LOAD SCHEDULE
- F. AISC LATEST EDITION

MWFRS = EXTERIOR SHEARWALLS SEE SHEET S-5

COMPONENT	AREA	MAIN	ROOF	CORRIDOR	MECHANICAL	
					100	50
1ST FLOOR						

NOTE: STEEL JOIST SUPPLIER SHALL VERIFY AND COORDINATE EQUIPMENT LOADS AND OPENINGS WITH SPECIFIED MANUFACTURER.

D3. DESIGN METHOD ASCE 7-10 SIMPLIFIED

D4. WIND LOAD AS PER ASCE 7-10:

- SPEED = 135 MPH V-uit (3 SEC. GUST)  
 EXPOSURE = B  
 IMPORTANCE FACTOR = 1.0  
 OCCUPANCY CATEGORY = II  
 INTERNAL PRESSURE COEFFICIENT ALL FLOOR Gcpi +/- .18 - ENCLOSED - WINDOWS & DOORS SHALL BE PROTECTED FROM WIND BORNE DEBRIS AND PRESSURES IN SECTION D5.

D5. COMPONENT & CLADDING DESIGN WIND PRESSURES

		+ Pnet 30		- Pnet 30	
		1	2	3	4
ROOF ZONE	1	12.4 psf	-30.4 psf		
	2	12.4 psf	-51.0 psf		
	3	12.4 psf	-76.8 psf		
WALL ZONE	4	30.4 psf	-33.0 psf		
	5	30.4 psf	-40.7 psf		

D6. EVERY REASONABLE EFFORT HAS BEEN MADE TO ENSURE COORDINATION BETWEEN THESE DRAWINGS & NOTES TO ALL OTHER PROJECT DOCUMENTS. SHOULD THERE BE ANY DISCREPANCIES, THE CONTRACTOR SHALL REQUEST A CLARIFICATION IN WRITING.

D7. THE DESIGN OF THIS FOUNDATION IS BASED ON THE GEOTECHNICAL REPORT, PROJECT NO.: L121122 PROVIDED BY: INTEC OF LOUISIANA DATED: SEPTEMBER 17, 2012 SITE PREPARATION & DRAINAGE SHALL BE AS PER SOIL REPORT.

## GENERAL:

- G1. THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT DIMENSIONS ARE COORDINATED BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
- G2. THE GENERAL CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, THE WORK PERSONS, AND OTHER PEOPLE DURING CONSTRUCTION. HE SHALL SUPERVISE AND DIRECT THE WORK AND BE RESPONSIBLE FOR ALL CONSTRUCTION AND SAFETY.
- G3. NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN STRENGTH.
- G4. THE GENERAL CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ANCHORED, EMBEDDED AND SUPPORTED ITEMS WHICH AFFECT THE STRUCTURAL DRAWINGS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- G5. ALL SUBMITTAL SETS SHALL CONSIST OF 1 ORIGINAL AND 3 COPIES.
- G6. ANY SUBMITTALS RECEIVED BY ARCH/ENG THAT HAVE NOT BEEN CHECKED BY THE GC AND HIS SUBCONTRACTOR SHALL BE RETURNED WITHOUT REVIEW.
- G7. ALL SECTIONS AND DETAILS SHALL BE CONSTRUCTED TO BE TYPICAL OR SIMILAR UNLESS ANOTHER SECTION OR DETAIL IS NOTED.
- G8. ANY CONFLICTS BETWEEN THE SPECIFICATIONS AND DESIGN DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE MORE STRINGENT REQUIREMENTS SHALL GOVERN UNLESS DETERMINED OTHERWISE BY THE ARCHITECT/ENGINEER.
- G9. MECHANICAL EQUIPMENT LOADS: THE GENERAL CONTRACTOR SHALL SUBMIT ACTUAL WEIGHTS OF EQUIPMENT TO BE USED IN THE PROJECT TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOADS USED IN THE DESIGN, AND SHALL REPORT ANY CHANGES IN LOCATION, NUMBER OF PEICES, AND WEIGHTS OF EQUIPMENT AS SHOWN ON THE MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS AT LEAST TWO WEEKS PRIOR TO FABRICATION AND CONSTRUCTION OF THE SUPPORTING STRUCTURE.
- G10. TYPICAL DETAILS: DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION.
- G11. DRAWING CONFLICTS: THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCY BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
- G12. ALL STRUCTURAL ELEMENTS OF THE PROJECT HAVE BEEN DESIGNED BY THE STRUCTURAL ENGINEER TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES THAT COULD OCCUR IN THE FINAL COMPLETED STRUCTURE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL THE STRUCTURE IS TIED TOGETHER AND COMPLETED.
- G13. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES AND SEQUENCE.
- G14. THE CONTRACTOR SHALL INVESTIGATE THE EXISTING ADJACENT BUILDING, SEWERS AND OTHER UTILITIES AND SHALL TAKE PROPER AND NECESSARY PRECAUTIONS TO PROTECT SAME FROM DAMAGE DUE TO THE EXECUTION OF NEW WORK. SHOULD DAMAGE OCCUR DUE TO THE CONTRACTOR'S NEGLIGENCE, THE COST AND RESPONSIBILITY FOR REPAIRING OR REPLACING THE WORK IN ITS ORIGINAL CONDITION SHALL BE BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER.
- G15. SEE OTHER DRAWINGS (HVAC, PLUMBING, ETC.) FOR THE INSTALLATION OF PIPE AND DUCT SLEEVES. THESE SLEEVES SHALL BE STEEL AND SHALL NOT INTERFERE WITH THE STRUCTURAL FRAMING, NOR SHALL THEY IMPAIR THE STRENGTH OF THE STRUCTURE.
- G16. WELD STUDS AT EMBEDDED PLATES. MAY NOT BE HAND FILLET WELDED. APPROPRIATE PROCEDURES AND EQUIPMENT SHALL BE USED AS PER THE SPECIFICATIONS.

## CONCRETE AND REINFORCING:

C1. A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD TESTING INCLUDING SLUMP TESTS AND CYLINDER BREAKS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS. INSPECTOR SUBMITS REPORTS TO ARCHITECT AND ENGINEER. MINIMUM 1 SET OF 6 PER 100 CUBIC YARDS OR A DAYS POUR.

## CONCRETE AND REINFORCING CONT.:

C2. CONCRETE WORK SHALL CONFORM TO ACI 301 (LATEST EDITION). SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.

C3. ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

	28 DAYS	SLUMP	MAX. AGG.
FOUNDATIONS	3500 psi	4 +/- 1	1.5
BOND BEAM HEADER	3000 psi	4 +/- 1	.75
COLUMNS & BEAMS	4000 psi	4 +/- 1	1.5
GROUT	3000 psi	8 to 11	.75

C4. CONCRETE MIX DESIGN SUBMITTALS:

1. EACH MIX DESIGN SHALL BE LABELED TO INDICATE THE AREA IN WHICH THE CONCRETE IS TO BE PLACED (I.E. FOUNDATIONS, SLAB-ON-GRADE, COLUMNS, ETC.). FAILURE TO DO SO WILL CAUSE REJECTION OF SUBMITTALS.
2. PROPOSED MIX DESIGN SHALL BE IN ACCORDANCE WITH METHOD 1 OR METHOD 2 OF ACI 301. PROVIDE SUPPORTING DATA IN TABULAR FORM FOR EACH SEPARATE PROPOSED MIX.
3. SUBMIT CONCRETE MIX DESIGN FOR EACH PROPOSED CLASS OF CONCRETE.

C5. REBAR SHALL CONFORM TO ASTM-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 AND SHALL BE LAPPED MINIMUM ONE MESH + 2" WHERE SPLICED.

C6. SPLICES AND ANCHORAGE OF REINFORCING SHALL BE AS FOLLOWS (UNLESS OTHERWISE NOTED):

WELDED WIRE FABRIC: 8"  
ALL OTHER: CLASS "B"

C7. AT CHANGES IN DIRECTION OF CONCRETE WALLS AND STRIP FOOTINGS, PROVIDE CORNER BARS AT SAME SIZE AND SPACING AS HORIZONTAL BARS.

C8. COVER FOR REINFORCING SHALL BE AS FOLLOWS:

BALCONIES	1-1/2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THRU #18 BARS: #5 BAR, W31 OR D31 WIRE AND SMALLER:	2" 1-1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER: SLABS, WALLS, JOISTS: #14 AND #18 BARS: #11 BAR AND SMALLER:	SEE PLAN SEE PLAN
BEAMS, COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS (U.N.O.)	1-1/2"

C9. TERMINATE ALL DISCONTINUED ELEVATED SLAB TOP BARS WITH A 90 DEGREE STANDARD HOOK UNLESS OTHERWISE NOTED.

C10. CONTINUOUS TOP BARS SHALL BE SPLICED AT MID-SPAN. CONTINUOUS BOTTOM BARS SHALL BE SPLICED AT CENTER-LINE OF SUPPORTS (OR AS SHOWN ON TYPICAL DETAILS).

C11. ALL NEGATIVE MOMENT STEEL AT COLUMNS SHALL BE CENTERED AND DISTRIBUTED WITHIN 1.5 SLAB THICKNESS OF THE COLUMN EDGES.

C12. COLUMN AND WALL VERTICAL REINFORCEMENT SHALL BE DOWELLED INTO FOUNDATION WITH HOOK BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT.

C13. REINFORCING STEEL SHOWING SECTIONS AND DETAILS ARE A SCHEMATIC OF THE REINFORCEMENT REQUIRED.

C14. WHERE CONCRETE IS EXPOSED PROVIDE ACCESSORIES AND SUPPORTS OF CONCRETE COLORED PLASTIC.

C15. ALL COLUMNS SHALL TERMINATE AT OR BELOW THE SOFFIT OF THE SUPPORTED MEMBER. COLUMNS SHALL NOT PROTRUDE INTO SLAB PRIOR TO SLAB CASTING.

C16. ALL COLUMNS SHALL BE CONSTRUCTED WITH CENTERLINE ALIGNMENT U.N.O.

C17. CHAMFER ALL EDGES OF EXPOSED CONCRETE 3/4" U.N.O.

C18. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND INSTALLED IN ACCORDANCE WITH ACI-318 LATEST EDITION AND DETAILING MANUAL ACI-315 LATEST EDITION.

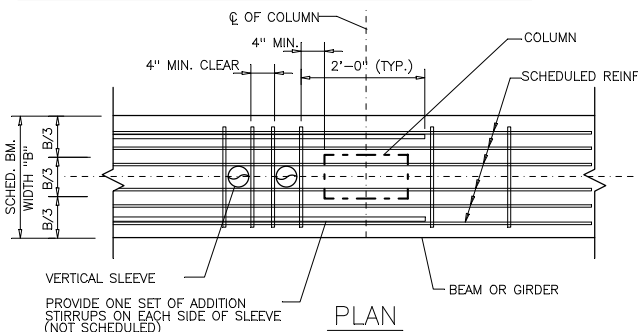
C19. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI-304. USE INTERNAL VIBRATION FOR ALL CONCRETE. ALL PRECAUTIONS SHALL BE TAKEN TO PREVENT SEGREGATION OF THE CONCRETE DURING PLACEMENT.

C20. STUD RAILS BY DECON (800) 36 DECON. (800) 363-3266.

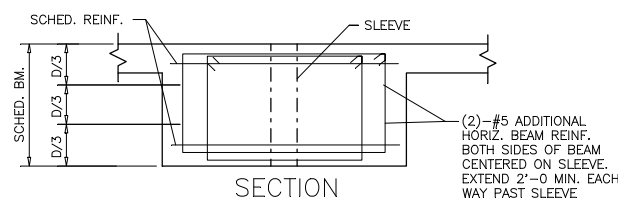
C21. SECTIONS DO NOT INDICATE ALL CONCRETE REINFORCING. CHECK SCHEDULES AND NOTES FOR FOOTING, BEAM AND SLAB REINFORCING.

C22. THE CONTRACTOR SHALL REPAIR ALL SHRINKAGE CRACKS DESIGNATED AS UNACCEPTABLE BY THE ARCHITECT BY INJECTION GROUTING WITH NO ADDITIONAL COST TO THE CONTRACT. REPAIR MATERIAL SHALL BE APPROPRIATE FOR THE APPLICATION AS RECOMMENDED BY THE MANUFACTURER. PRODUCTS SHALL BE BY APPROVED. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR REVIEW PRIOR TO THE DEVELOPMENT OF SLAB REINFORCING SHOP DRAWINGS. A PROPOSED SLAB CONSTRUCTION JOINT LAYOUT PLAN, ALONG WITH PROPOSED METHODS FOR CONTROLLING SHRINKAGE CRACKING IN THE SLABS.

## TYPICAL DETAIL VERTICAL PENETRATION, CONCRETE BEAM



## PENETRATION, CONCRETE BEAM CONT.

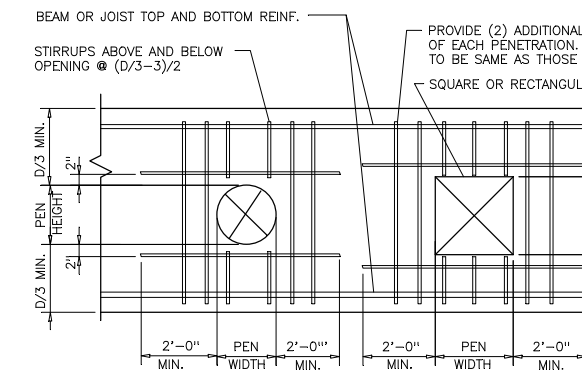
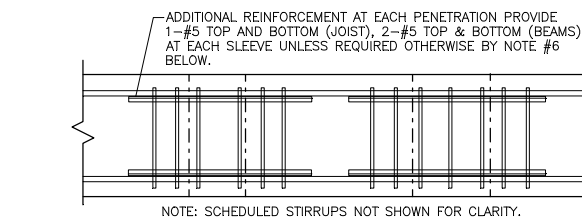


## CONCRETE AND REINFORCING CONT.:

NOTES FOR TYPICAL DETAIL VERTICAL PENETRATION, CONCRETE BEAM:

1. REQUIRED BEAM SLEEVES ARE TO BE COORDINATED WITH M.E.P. CONTRACTORS. REQUIRED SLEEVES MAY OR MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL SUBMIT PLAN SHOWING LAYOUT OF ALL SLEEVES WITH FORM WORK SHOP DRAWING SUBMITTAL.
2. SLEEVES SHALL BE LOCATED ON THE BEAM CENTERLINE OR AT LEAST WITHIN THE MIDDLE THIRD OF THE SCHEDULED BEAM WIDTH.
3. CONTINUOUS BEAM REINFORCING MAY BE SLIGHTLY DISPLACED (3" MAX.) OR ADJACENT BARS BUNDLED (2 BARS BUNDLES MAX.) TO FACILITATE SLEEVE INSTALLATION, DO NOT CUT, OFFSET, OR BEND REINFORCING.
4. SLEEVES OCCURRING ON OPPOSITE SIDES OF A COLUMN MUST BE IN LINE.
5. THE OUTSIDE DIAMETER OF A SLEEVE MAY NOT EXCEED 15% OF THE SCHEDULE WIDTH OF THE BEAM THROUGH WHICH IT MUST PASS.
6. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD FOR DIRECTIONS WHEN A SLEEVE SIZE OR LOCATION DOES NOT MEET THE CONDITIONS ESTABLISHED ABOVE.

## HORIZONTAL PENETRATIONS THROUGH CONCRETE BEAMS



## ELEVATION

- NOTES:
1. GENERAL CONTRACTOR TO COORDINATE LOCATION, SIZE AND ELEVATION AND INCLUDE IN HIS CONTRACT PRICE ALL REQUIRED HORIZONTAL PENETRATIONS THROUGH CONCRETE BEAMS AND JOISTS, WHETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT.
  2. WHERE BEAM PENETRATIONS ARE REQUIRED, BUT ARE NOT SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS, SUBMIT DRAWINGS SHOWING DIMENSIONS AND LOCATIONS OF ALL REQUIRED PENETRATIONS, FOR REVIEW AND APPROVAL.
  3. "D" DENOTES THE DEPTH OF BEAM OR JOIST.
  4. CLEAR SPACING BETWEEN PENETRATIONS, SHALL BE 24" MINIMUM UNLESS DESIGNED OTHERWISE BY THE ENGINEER.
  5. PENETRATIONS SHALL BE LOCATED ACCORDING TO THE FOLLOWING CRITERIA:
    - a. FOR BEAMS (AND JOIST) NOT SUPPORTING INTERSECTING BEAMS (OR JOISTS): LOCATE PENETRATIONS WITHIN TWO FEET EITHER SIDE OF BEAM MIDSPAN.
    - b. FOR BEAMS (AND JOIST) SUPPORTING INTERSECTING BEAMS (OR JOISTS) CHECK WITH STRUCTURAL ENGINEER.
  6. FOR LOCATIONS AND/OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA AND NOT OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE THE REQUIRED ADDITIONAL REINFORCEMENT WITH THE ENGINEER ON THE SHOP DRAWINGS.
  7. NO PIPING SHALL PASS THROUGH BEAMS WITHOUT THE PERMISSION OF THE ARCHITECT/ENGINEER: PIPES THAT PASS THROUGH BEAMS SHALL PASS WITHIN THE MIDDLE THIRD OF THE BEAM LENGTH AND DEPTH.

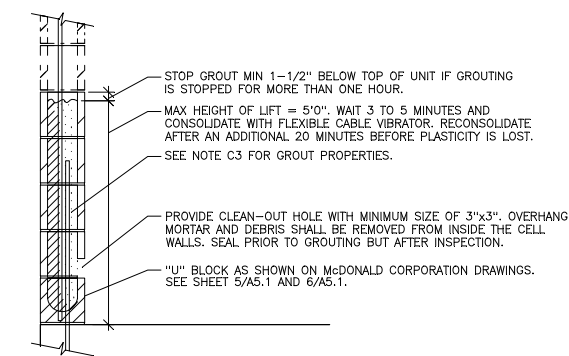
## MECHANICAL FASTENERS:

- MF1. CARE SHALL BE EXERCISED TO LIMIT THE LENGTH OF FASTENERS TO AVOID DAMAGING TENDONS.
- MF2. EXPANSION ANCHORS SHALL BE "POWER-STUD" BY RAWL OR "TRUBOLT" BY ITW RAMSET/REDHEAD OR ENGINEER-APPROVED EQUAL.
- MF3. ADHESIVE ANCHORS SHALL BE "ET" BY SIMPSON STRONG TIE OR ENGINEER-APPROVED EQUAL.
- MF4. MASONRY SCREWS SHALL BE "TITEN HD" BY SIMPSON STRONG TIE OR "TAPCON" BY ITW RAMSET/REDHEAD OR ENGINEER-APPROVER EQUAL.
- MF5. POWDER-ACTUATED FASTENERS (PAF) SHALL BE BY SIMPSON STRONG TIE, ITW RAMSET/REDHEAD, HILTI, OR ENGINEER-APPROVED EQUAL.
- MF6. CARBON-STEEL EXPANSION ANCHORS SHALL HAVE A ONE-PIECE ANCHOR BODY WITH A LENGTH IDENTIFICATION CODE. THE ANCHORS SHALL HAVE AN EXPANSION MECHANISM WHICH CONSISTS OF A PAIR OF INTERLOCKING INDEPENDENT WEDGES. CARBON STEEL COMPONENTS SHALL BE PLATED ACCORDING TO ASTM SPECIFICATION B653. EXPANSION ANCHORS MUST MEET THE DESCRIPTION IN FEDERAL SPECIFICATION FF-8-325 FOR CONCRETE EXPANSION ANCHORS.
- MF7. ALL FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- MF8. ALL HANGERS FOR PLUMBING, MECHANICAL, ELECTRICAL, FIRE PROTECTION SHALL BE CAST INTO SLAB. DRILLING, CORING AND RETRO ATTACHMENTS ARE NOT ALLOWED.

# FOR PERMITS NOT FOR CONSTRUCTION

## MASONRY:

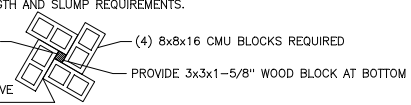
- M1. MASONRY CONSTRUCTION SHALL CONFORM TO ACI BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (ACI 530-95/ASCE 5-95/TMS 402-95), SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530-99/ASCE 6-95/TMS 602-95) ASTM C476, ASTM C1019, AND NCMA TEK 107.
- M2. CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90. (f'm = 1500 PSI) (1900 PSI ON THE NET AREA)
- M3. MORTAR SHALL COMPLY WITH ASTM C270, TYPE M (COMPRESSIVE STRENGTH = 2500 PSI SITE TESTED MORTAR CUBES SHALL ACHIEVE A MINIMUM OF 80% OF THE DESIGN COMPRESSIVE STRENGTH)
- M4. BLOCK SHALL NOT BE MOISTENED BEFORE GROUTING.
- M5. ALL MASONRY CROSS WEBS SHALL BE FULLY BEDDED IN MORTAR AROUND CELLS TO BE GROUTED.
- M6. REINFORCE WALLS WITH LADDER TYPE (ASTM 1-82, #9 GAGE WIRE) DEFORMED REINFORCEMENT EQUAL TO DURO-WALL IN BED JOINTS AT 16" OC UNO, MEASURED VERTICALLY. PLACE PER MFR INSTRUCTIONS. LAP ALL HORIZONTAL JOINT REINFORCING 6" MIN.
- M7. VERTICAL REINFORCING MUST BE CENTERED IN THE CAVITY AND SHALL HAVE A MINIMUM CLEARANCE OF 1/2" TO INSIDE FACE VERTICAL BAR LAP = 48 X BAR DIAMETER. VERTICAL REINFORCEMENT IN WALLS SHALL BE SECURED AND LATERALLY SUPPORTED AGAINST DISPLACEMENT AT INTERVALS NOT EXCEEDING 192X (BAR DIAMETER) OR 10 FT (WHICHEVER IS LESS) WHENEVER A CLEANOUT IS REQUIRED. SEE GROUTING DETAIL NOTE FOR CLEANOUT REQUIREMENTS.



## NOTES:

1. DO NOT GROUT UNTIL MORTAR HAS SET SUFFICIENTLY TO WITHSTAND THE PRESSURE OF THE GROUT. WAIT NOT LESS THAN 24 HOURS.
2. WAIT A MINIMUM OF 40 MINUTES BEFORE PLACING NEW GROUT ON A PREVIOUS LIFT.
3. MAXIMUM WALL HEIGHT FROM TOP OF PREVIOUS GROUT POURS LAID UP AT ONE TIME SHALL BE 60" MAX.
4. THE MINIMUM CONTINUOUS UNOBSTRUCTED CLEAR AREA IN CELL TO RECEIVE GROUT MUST BE NOT LESS THAN 3"x3". MORTAR FINIS MUST BE REMOVED AS BLOCK PLACEMENT PROCEEDS. MORTAR DROPPINGS MUST BE KEPT OUT OF CELLS WHICH ARE TO BE GROUTED.
- M8. GROUT PLACEMENT STOPPED FOR (1) HOUR OR MORE SHOULD BE STOPPED 1 1/2" BELOW THE TOP OF THE MASONRY UNIT TO PROVIDE A KEY FOR SUBSEQUENT GROUTING.
- M9. SEE FOUNDATION PLANS AND WALL SCHEDULE FOR ALL VERTICAL REINFORCING. TYPICAL VERTICAL REINFORCING SIZE AND SPACING SHALL BE ABOVE AND BELOW ALL WALL OPENINGS.
- M10. TEMPORARY BRACING AND SHORING OF WALLS TO PROVIDE MIN. BRACING OF 25 PSF REQUIRED DURING CONSTRUCTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
- M11. MASONRY CONSTRUCTION MATERIALS AND INSPECTIONS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI-ASCE 530.1)" EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE DOCUMENTS.
- M12. PROVIDE FILLED PRECAST U-LINTELS AS MANUFACTURED BY CAST-CRETE OR APPROVED EQUAL WITH (1) #5 CONT AT ALL OPENINGS WHERE OPENINGS ARE LESS THAN 3'0". LINTELS LINTELS SHALL HAVE MINIMUM UNFILLED CAPACITY OF 400 lb/lf AND BEAR 8" EACH END ON A GROUT FILLED CELL U.N.O.
- M13. STOPPING AND RESUMING WORK: RACK BACK 1/2-UNIT LENGTH IN EACH COURSE. DO NOT TOOTH. CLEAN EXPOSED SURFACES OF SET MASONRY WET UNITS LIGHTLY (IF REQD) AND REMOVE LOOSE MASONRY UNITS AND MORTAR PRIOR TO LAYING FRESH MASONRY.
- M14. REINFORCE MASONRY OPENINGS GREATER THAN 1'-0" WIDE, WITH HORIZONTAL JT REINF PLACED IN (2) HORIZONTAL JOINTS APPROXIMATELY 8" APART, IMMEDIATELY ABOVE THE LINTEL AND IMMEDIATELY BELOW THE SILL. EXTEND REINFORCING A MINIMUM OF 2'-0" BEYOND JAMBS OF THE OPENING EXCEPT AT CONTROL JOINTS. SEE PLAN FOR ADDITIONAL REQUIREMENTS.
- M15. DO NOT APPLY UNIFORM LOADS TO MASONRY WALLS FOR (3) DAYS.
- M16. DO NOT APPLY CONCENTRATED LOADS TO MASONRY WALLS FOR (7) DAYS.
- M17. EXTEND ALL VERTICAL WALL REINFORCEMENT THRU SLAB & GROUT SPACE IN SLEEVED OPENING.
- M18. SPACING FOR CONTROL JOINTS. TYPICALLY AT COLUMN FACES. 3 X WALL HEIGHT = SPACING IN FT (NOT TO EXCEED 50'-0") VERTICAL CONTROL JOINTS SHALL BE PLACED SUCH THAT THE RATIO OF JOINT SPACING (L) DIVIDED BY WALL HEIGHT (H) DOES NOT EXCEED 3.0. IN NO CASE SHALL SPACING EXCEED 50 FEET. CONTROL JOINTS SHALL BE CONSTRUCTED USING SASH BLOCKS AND DURO-WALL PREFORMED REGULAR RAPID CONTROL JOINT (OR EQUAL OF EXTRUDED RUBBER). WALL REINFORCING SHALL BE DISCONTINUOUS AT JOINTS. VERTICAL JOINTS SHALL BE LOCATED AS FOLLOWS:
  - A. CHANGES IN WALL HEIGHT.
  - B. AT CONSTRUCTION JOINTS IN FOUNDATION, IN ROOF AND IN FLOORS.
  - C. AT CHASES AND RECESSES FOR PIPING, COLUMNS, FIXTURES, ETC.
  - D. AT ABUTMENT OF WALL AND COLUMNS.
  - E. AT RETURN ANGLES IN 'L', 'T' AND 'U' SHAPED STRUCTURES.
  - F. AT ONE OR BOTH SIDES OF WALL OPENING.
- M20. JOB SITE MIXING OF GROUT SHALL NOT BE PERMITTED. TESTING SHALL CONFORM TO ASTM C1019. SEE TEST MOLD DETAIL BELOW. SEE SCHEDULE UNDER CONCRETE NOTES FOR COMPRESSIVE STRENGTH AND SLUMP REQUIREMENTS.
- M21. MASONRY COMPONENTS SHALL BE STAINLESS STEEL AS MANUFACTURED BY H.B.
- M22. CONTRACTOR SHALL PROVIDE MOISTURE PROTECTION OF WALL DURING INCLEMENT WEATHER.

COVER UNITS USING ABSORPTIVE PAPER TOWELLING WITH TAPE



THIS PLAN IS ONLY VALID ONE YEAR FROM DATE ON PLAN

ACADIAN STRUCTURAL SOLUTIONS, INC.

57362 ALLEN RD, SLIDELL, LA. 70461

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PLANS@ACADIANSS.COM

CERT. # 2100

South Central Planning & Development Commission  
 Plans reviewed and approved in accordance with the Louisiana State Uniform Construction Code.

Plans Examiner:  
*Adam Dupuy*  
 By Adam Dupuy at:  
 2:49:59 PM, Jan 02, 2020

ROCKWELL BUILDERS

690 N. 18th STREET

BATON ROUGE, LOUISIANA

SCALE: N.T.S.

DATE: 9 MAY 18

DRAWN BY: EPH

CHKD BY: HN

ASS PROJECT #: 432-18

REVISIONS	DATE

SHEET

PT-1

OF

PT-6

# STRUCTURAL NOTES CONT.

## FRAMING NOTES:

- F1. THIS PLAN REQUIRES MANY CONSTRUCTION DETAILS THAT MAY NOT BE "STANDARD". FRAMING CREW – IT IS IMPORTANT THAT ALL DETAILS SHALL BE UNDERSTOOD OR CLARIFIED PRIOR TO CONSTRUCTION.
- F2. **SAWN LUMBER** – NOTCHES IN SOLID LUMBER JOIST, RAFTERS AND BEAMS SHALL NOT EXCEED ONE-SIXTH OF THE DEPTH OF THE MEMBER, SHALL NOT BE LONGER THAN ONE-THIRD OF THE DEPTH OF THE MEMBER AND SHALL NOT BE LOCATED IN THE MIDDLE ONE-THIRD OF THE SPAN. NOTCHES AT THE ENDS OF THE MEMBER SHALL NOT EXCEED ONE-FORTH SHALL NOT BE NOTCHED EXCEPT AT THE ENDS OF THE MEMBERS. THE DIAMETER OF HOLES BORED OR CUT INTO MEMBERS SHALL NOT EXCEED ONE-THIRD THE DEPTH OF THE MEMBER. HOLES SHOULD NOT BE CLOSER THAN 2" (1m) TO THE TOP OR BOTTOM OF THE MEMBER, OR TO ANY OTHER HOLE LOCATED IN THE MEMBER. WHERE THE MEMBER IS ALSO NOTCHED, THE HOLE SHALL NOT BE CLOSER THAN 2" (51mm) TO THE NOTCH.
- F3. **DRILLING AND NOTCHING OF STUDS** – ANY STUD IN AN EXTERIOR WALL OR BEARING PARTITION MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25% OF ITS WIDTH. STUDS IN NONBEARING PARTITIONS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40% OF A SINGLE DRILLED, PROVIDED THAT THE DIAMETER OF THE RESULTING HOLE IS NOT GREATER THAN 40% OF THE STUD WIDTH. THE EDGE OF THE HOLE IS NO CLOSER THAN 5/8" (15.9mm) TO THE EDGE OF THE STUD, AND HOLE IS NOT LOCATED IN THE SAME SECTION AS A CUT OR NOTCH.  
EXCEPTIONS:  
1. A STUD MAY BE BORED TO A DIAMETER NOT EXCEEDING 60% OF ITS WIDTH, PROVIDED THAT SUCH STUDS LOCATED IN EXTERIOR WALLS OR BEARING PARTITIONS ARE DOUBLED AND THAT NOT MORE THAN TWO SUCCESSIVE STUDS ARE BORED.  
2. APPROVED STUD SHOES MAY BE USED WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- F4. **DRILLING AND NOTCHING OF TOP PLATE** – WHEN PIPING OR DUCT WORK IS PLACED IN OR PARTLY IN AN EXTERIOR WALL OR INTERIOR, BRACED OR LOAD-BEARING WALL, NECESSITATING A CUTTING OF THE TOP PLATE BY MORE THAN 50% OF ITS WIDTH, A GALVANIZED METAL TIE NOT LESS THAN .054" (1.37mm) (16 GAGE) AND 1.5" (38mm) WIDE SHALL BE FASTENED TO EACH PLATE ACROSS AND TO EACH SIDE OF THE OPENING WITH NOT LESS THAN SIX 16d NAILS.  
EXCEPTIONS:  
1. WHEN THE ENTIRE SIDE OF THE WALL WITH THE NOTCH OR CUT IS COVERED BY WOOD STRUCTURAL PANEL SHEATHING.
- F5. ALL WOOD FRAMING, FABRICATION, AND ERECTION SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NFPA, PLYWOOD DESIGN SPECIFICATIONS BY THE APA, STANDARDS SET FORTH BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, PRESSURE TREATED WOOD REQUIREMENTS BY AWPA, AND MEET OR EXCEED LOCAL BUILDING CODES.
- F6. ALL ANCHOR BOLTS SHALL BE 1/2" DIAMETER WITH STANDARD HOOKS AND 6" MINIMUM EMBEDMENT AT A MAX SPACING OF 28" O.C.. ALL OPENINGS AND CORNERS SHALL HAVE ONE ANCHOR BOLT BETWEEN 6" AND 12" OF WALL ENDS. OF TIMBER CONSTRUCTION, PRESSURE TREATED WOOD REQUIREMENTS AS PER SECTION 2304.11, IBC 2012.
- F7. **WINDOW PROTECTION** – (EXCEPTION SECTION 1809.1.2)  
ALL WINDOWS AND DOORS SHALL HAVE THE PRESSURE RATING AS REQUIRED ON PLANS, ADDITIONALLY 7/16" SHEATHING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR LABELED, MARKED AND EASILY ATTACHED TO PROVIDE WIND BORNE DEBRIS PROTECTION.

WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS			
FASTENER TYPE	FASTENER SPACING		
	6 FOOT PANEL SPAN ≤ 4 FOOT	4 FOOT PANEL SPAN ≤ 6 FOOT	6 FOOT PANEL SPAN ≤ 8 FOOT
2-1/2" #6 WOOD SCREWS	16"	12"	9"
2-1/2" #8 WOOD SCREWS	16"	16"	12"

FOR BRICK VENEER WALLS "PLYLOC" CLIPS MAY BE USED AS PER MANUFACTURER'S REQUIREMENTS.

**GARAGE DOOR PROTECTION**  
CONTRACTOR SHALL PROVIDE REMOVABLE WIND LOAD POST IN ACCORDANCE WITH R 301.2.1 (IRC 2003). REFER TO MANUFACTURER FOR ATTACHMENT REQUIREMENTS.

- F8. ALL FRAMING LUMBER TO BE SOUTHERN YELLOW PINE No.2 GRADE 19% MAXIMUM MOISTURE CONTENT. ALL LUMBER IN CONTACT WITH CONCRETE, MASONRY ELEMENTS, OR EXPOSED TO WEATHER TO BE PRESSURE TREATED. COORDINATE FRAMING WITH OTHER TRADES. (ELECTRICAL, PLUMBING, MECHANICAL, ETC.)
- F9. BLOCK ALL WALLS OVER 8' IN HEIGHT, 1-1/2" x 24 ga GALVANIZED IRON STRAPS TO BE INSTALLED OVER ALL CUTOUTS IN STUDS FOR PLUMBING, ELECTRICAL ETC.
- F10. PROVIDE DRAFT / FIRE STOPPING ACCORDING TO LOCAL BUILDING CODE & PRACTICE
- F11. FLOOR, ATTIC, AND ROOF FRAMING SHALL BE AS PER PLAN OR SIZED ACCORDING TO REQUIREMENTS NOT TO EXCEED MAXIMUM SPAN TABLES OF SOUTHERN FOREST PRODUCTS ASSOCIATION LATEST ISSUE. PROVIDE BRIDGING WHERE SHOWN OR WHEN JOISTS EXCEED 8' SPAN. PROVIDE DOUBLE FLOOR JOISTS UNDER LOAD BEARING WALLS OR BEAM IF REQUIRED. INSTALL THREE (3) STUDS UNDER EACH BEARING POINT OF BEAM. STUDS TO BE FASTENED TOGETHER WITH .120 x 3" WIRE NAILS AT 4" OC AND WITHIN 3" OF EACH END OF STUDS. ENSURE TIGHT FIT TOP & BOTTOM.
- F12. JOIST AND BEAM HANGERS TO BE TO BE 16 ga OR LARGER AS MANUFACTURED BY SIMPSON STRONG TIE CO. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. IF JOISTS ARE TO BE NOTCHED AT ENDS, DO NOT EXCEED 1/4 DEPTH. HANGER SIZE TO MATCH MEMBER SIZE. LOAD BEARING WALLS OR BEAM IF REQUIRED. INSTALL THREE (3) STUDS UNDER EACH BEARING POINT OF BEAM.
- F13. COATING SHALL BE "Z MAX" U.N.O.
- F14. FLOOR SHEATHING TO BE APA RATED, 19/32"-INCH THICK MINIMUM C-D, TONGUE & GROOVE GLUE & NAIL TO FLOOR JOISTS WITH .120 x 2-1/2" WIRE NAILS @ 4" OC AT EDGES & 6" OC AT INTERMEDIATE JOISTS.
- F15. ROOF SHEATHING – SEE PLAN
- F16. SHEARWALLS – SEE SCHEDULE OR ELEVATIONS AND LAYOUT
- F17. HEADER SIZE – SEE PLAN AND SCHEDULE
- F18. CRAWL SPACE VENTILATION TO BE IN ACCORDANCE WITH STANDARD BUILDING CODE AND AS SHOWN ON PLANS.
- F19. TOP PLATE SHALL SPLICE WITHIN THE CENTER THIRD OF WALL SECTION. SPLICE TO HAVE A MIN. LAP OF 48" AND CONNECTED WITH 16d NAILS @ 3" O.C. OR 2 ROWS .120 x 3" WIRE NAILS @ 3" O.C.
- F20. STAIRS SHALL HAVE A MIN. OF THREE STRINGERS FOR 36" AND ONE ADDITIONAL STRINGER FOR EACH ADDITIONAL 8" OF TREAD WIDTH. MAXIMUM UNSUPPORTED STRINGER LENGTH TO BE 6'0".
- F21. OFF OF SILLS ALONG EXTERIOR & PORCHES SHALL BE P.T. 2x DEADWOOD BETWEEN COLUMNS
- F22. ALL SILL BEAMS ALONG EXTERIOR AND PORCHES SHALL HAVE P.T. PLYWOOD EXTENDING BELOW SOFFIT OF SILLS.
- F23. IT IS INTENDED THAT THE PRESSURE TREATED SHEATHING BE FULLY INSTALLED SEALING UNTREATED LUMBER OF THE MAIN HOUSE PRIOR TO PORCH CONSTRUCTION.
- F24. ANY PRE ENGINEERED SYSTEM IE. FLOOR/ROOF TRUSSES SHALL HAVE PLACEMENT DRAWINGS SEALED BY AN ENGINEER.
- F25. STANDARD CUT WASHERS SHALL BE USED UNDER BOLT HEADS AND NUTS AGAINST WOOD.
- F26. ALL LUMBER & SHEATING IN CONTACT WITH MASONRY OR CONCRETE OR WITHIN 6" OF FINISHED GRADE SHALL BE PRESSURE TREATED.
- F27. PARTITION ANCHORS – SECURE ALL INTERIOR NON SHEARWALL, NON LOAD BEARING PARTITIONS WITH CUT NAILS OR RAMSET ANCHORS SPACED 32" O.C. MAXIMUM, MINIMUM 2 ANCHORS PER PLATE.
- F28. EXTERIOR WALLS AND INTERIOR BEARING WALLS, STUDS AS SPECIFIED. INSTALL DOUBLE TOP PLATES AND SINGLE BOTTOM PLATE, TYPICAL.
- F29. CONTRACTOR SHALL PROVIDE SOLID BLOCKING FOR GRAB BARS, CABINERY, BATH ACCESSORIES, HANDRAILS, ETC., AND ROUGH OPENINGS AS REQUIRED. INSTALL NECESSARY BLOCKING TO ENSURE GRAB BARS CAN SUPPORT A 250LB. LOAD BOTH DOWNWARD AND HORIZONTALLY.
- F30. STRAPS TO BE INSTALLED OVER SHEATHING WHEN STRAP TYPE PERMITS.
- F31. ALL CONNECTORS SPECIFIED ON PLANS MAY BE REPLACED WITH ALTERNATE MODELS AND MANUFACTURERS ONLY IF THEY MEET OR EXCEED DESIGN REQUIREMENTS OF SPECIFIED CONNECTOR. ALTERNATES TO SPECIFIED CONNECTORS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. SUBMITTAL MUST INCLUDE DATA ON THE SPECIFIED CONNECTOR PRIOR TO INSTALLATION.
- F32. ALL STRAP NAILS TO PENETRATE BEARING MEMBERS BY MIN. 12 NAIL DIAMETERS.
- F33. SEE SIMPSON HURRICANE CLIP UPLIFT SCHEDULE ATTACHED TO TRUSS DRAWINGS BY STRUCTURAL ENGINEER TO VERIFY TYPE AND LOCATION OF ALL ROOF SYSTEM HOLDDOWNS.

## PAVEMENT SLAB ON GROUND:

- SOG1. UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, COMPACT INTERIOR FILL TO 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). SOIL COMPACTION SHALL BE FIELD-CONTROLLED BY A REPRESENTATIVE TECHNICIAN OF A QUALIFIED LABORATORY. EACH LAYER OF FILL SHALL NOT EXCEED 12" THICK AND SHALL BE COMPACTED AND TESTED PRIOR TO PLACEMENT OF NEXT LAYER.
- SOG2. MAXIMUM SPACING OF CONTROL JOINTS SHALL BE AS SET IN THE TABLE BELOW, OR AS NOTED ON PLANS. THE MORE STRINGENT SHALL APPLY. PATTERNS SHALL BE APPROXIMATELY SQUARE WITH A RATIO OF LONG SIDE TO SHORT SIDE NOT EXCEEDING 1.5 TO 1.

SLAB THICKNESS (IN)	*3/4" OR LARGER AGGREGATE SPACING (FT)
4	12
5	13
6	14

\*MIX DESIGNS CONTAINING AGGREGATE LESS THAN 3/4" ARE NOT ACCEPTABLE.

CUT SLAB AS SOON AS AGGREGATE DOES NOT DISLodge (MUST BE WITHIN SAME DAY AS CONCRETE PLACEMENT). DEPTH OF CUT SHALL BE SUFFICIENT TO CAUSE CONTROLLED CRACKING.

- SOG3. GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL JOINTS WITH ARCHITECTURAL FLOOR FINISHES TO ENSURE SLAB JOINTS DO NOT READ THROUGH.
- SOG4. JOINTS IN EXPOSED CONCRETE FLOORS AND SIDEWALKS SHALL EXTEND ALL THE WAY TO THE WALLS, BY TOOLING BETWEEN THE JOINT AND THE WALL.

## STRUCTURAL STEEL:

- SS1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, THE AWS D1.1 STRUCTURAL WELDING CODE AND MEET THE FOLLOWING REQUIREMENTS:  
WIDE FLANGE SHAPES: ASTM A572, YIELD STRENGTH 50 KSI.  
STEEL CHANNELS, ANGLES, RODS AND PLATES: ASTM A 36, YIELD STRENGTH 36 KSI EXCEPT WHERE NOTED OTHERWISE IN SECTIONS.  
TUBE – ASTM A500 GRADE B.  
PIPE – ASTM A53 GRADE B.  
HIGH STRENGTH BOLTS – ASTM A325N  
ANCHOR BOLTS – ASTM A307.  
WELDING MATERIALS – E70XX.  
PAINT – APPROVED PRIMER – 2 MILS THICK. DO NOT PAINT SURFACES TO BE WELDED, EMBEDDED IN CONCRETE OR MASONRY, OR CONTACT SURFACES OF FRICTION CONNECTIONS.
- SS2. ALL WELDING BY CERTIFIED WELDERS AND IN ACCORDANCE WITH AWS D1.1-94, STRUCTURAL WELDING CODE. ALL ELECTRODES USED FOR SUBMERGED ARC AND SHIELDED METAL ARC WELDING SHALL BE COMPATIBLE WITH THE STRUCTURAL STEEL AS SPECIFIED IN AWS AND AISC. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND SITE DRAWINGS FOR DIMENSIONS AND DETAILS REQUIRED FOR STRUCTURAL STEEL WORK NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- SS3. ALL STRUCTURAL STEEL EXPOSED TO THE EXTERIOR OF THE BUILDING SHALL BE HOT DIPPED GALVANIZED.

## STEEL JOISTS:

- SJ1. STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST STEEL JOIST INSTITUTE SPECIFICATIONS. PROVIDE ON SHOP COAT OF A RUST INHIBITIVE PRIMER TO ALL STEEL JOINTS.
- SJ2. STEEL JOIST EXTENDED ENDS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARD AND SHALL MEET THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE SPECIFICATION OF LATEST ADOPTION.
- SJ3. BRIDGING SHALL BE DESIGNED BY THE MANUFACTURER AND COMPLYING WITH THE APPLICABLE STEEL JOIST INSTITUTE SPECIFICATION OF LATEST ADOPTION SHALL BE USED FOR BRIDGING ALL JOISTS FURNISHED BY THE MANUFACTURER. POSITIVE ANCHORAGE SHALL BE PROVIDED AT THE ENDS OF EACH BRIDGING ROW AT BOTH TOP AND BOTTOM CHORDS.
- SJ4. BOTTOM CHORD LATERAL BRACING SHALL BE FURNISHED WHEN VRY OF THE BOTTOM CHORD EXCEEDS 240. THE LATERAL BRACING SHALL BE THAT WHICH IS STANDARD WITH THE MANUFACTURER, AND SHALL BE OF SUFFICIENT STRENGTH TO PROPERLY RESIST AND LATERAL FORCE EXERTED BY THE BOTTOM CHORD OF THE JOIST GIRDER.
- SJ5. STANDARD SHOP PAINT – THE SHOP COAT OF PAINT, WHEN SPECIFIED, SHALL COMPLY WITH THE APPLICABLE STEEL JOIST INSTITUTE SPECIFICATION OF LATEST ADOPTION.
- SJ6. THE MAXIMUM JOIST SPACING SHALL BE SHOWN ON PLAN OR ON TABLE AND WHERE SIDEWALLS WALL BEAMS OR THE BEAMS ARE CAPABLE OF SUPPORTING THE FLOOR SLAB OR ROOF DECK, THE FIRST ADJACENT JOISTS MAY BE PLACE ONE HALF SPACE FROM THESE MEMBERS.
- SJ7. SPECIAL SEAT @ JOIST END SHALL MATCH ROOF SLOPE @ PITCH
- SJ8. STEEL JOIST MANUFACTURER SHALL VERIFY JOIST CAPACITIES INCLUDING ROOF TOP EQUIPMENT.

## METAL ROOF DECK:

- MRD1. STEEL DECK SHALL MEET THE REQUIREMENTS OF ASTM A 653, GRADE 33 AND GALVANIZED MEETING THE REQUIREMENTS OF ASTM A 653 CLASS G90. PROVIDE DECK COMPLYING WITH SDI "ROOF DECK SPECIFICATIONS", 20ga. TYPE B, 1-1/2" DEEP. (6"x2-1/2"x1-1/2") W/ 36" COVERAGE.

THE METAL FLOOR DECK SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

THICKNESS	= .0358 in
Sp	= .234 in <sup>3</sup>
Sn	= .247 in <sup>3</sup>
Ip	= .212 in <sup>4</sup>
It	= .212 in <sup>4</sup>
WEIGHT	= 2.14 psf

- MRD2. FASTEN DECK TO SUPPORTING MEMBERS @ :

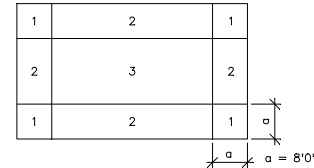
ZONE	SPACING	SCREW
1	36/7 @ 24" O.C.	#12
2	36/7 @ 24" O.C.	#12
3	36/7 @ 24" O.C.	#12

- MRD3. FASTEN DECK ALONG ALL SIDE LAPS OF ADJACENT DECK UNITS WITH #10 TEK SCREWS @ 6" O.C.

- MRD4. FASTEN DECK TO SUPPORTING WALL ANGLE WITH #12 TEK SCREWS @ 6" O.C.

- MRD5. #10 SCREWS .190 SHANK / .415 - .400 HEAD DIAMETER.  
#12 SCREWS .210 SHANK / .43 - .400 HEAD DIAMETER.

- MRD6.



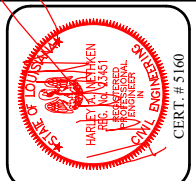
## PILE SPECIFICATIONS:

- PS1. PILES ARE TO BE CLASS #5 (6" TIP 8" BUTT) WITH A MINIMUM 40.0 ft. TIP EMBEDMENT BELOW GRADE AND TIP SHALL BEAR ON A DENSE SAND STRATA. ALL PILES SHALL BE FULLY LOGGED DURING DRIVING OPERATIONS BY A QUALIFIED TESTING AGENCY. FIELD REPORTS SHALL BE SUBMITTED DAILY TO THE ENGINEER.
- PS2. DESIGN LOAD = 7.0 TONS PER PILE.
- PS3. NO FIELD SUPERVISION OR INSPECTION PROVIDED UNDER THIS SEAL UNLESS NOTED OTHERWISE.
- PS4. PILE LAYOUT MAY BE MODIFIED DUE TO ACTUAL DRIVING CONDITIONS. ENGINEER TO BE NOTIFIED OF ANY MODIFICATION TO SLAB OR DRIVING CONDITIONS.
- PS5. A BLOW COUNT ON THE FIRST 4 (FOUR) PILES IS TO BE REPORTED TO THE ENGINEER OF RECORD FOR REVIEW BEFORE DRIVING REMAINDER OF PILES.
- PS6. PILES MUST MEET AWP standards C3-01 FOR PRESERVATIVE RETENTION.
- PS7. A PILE BLOW COUNT LOG OF ALL PILES TO BE SUBMITTED TO THE ENGINEER OF RECORD IN A TIMELY MANNER. FAILURE TO SUBMIT SAID LOG WILL RELEASE THE ENGINEER OF ALL RESPONSIBILITY.
- PS8. CONTRACTOR IS RESPONSIBLE FOR THE COMPARISON AND VERIFICATION OF PILE LAYOUT DIMENSIONS WITH MOST RECENT ARCHITECTURALS ASSURING THAT PILES DO FALL WITHIN LIMITS OF THE STRUCTURE.
- PS9. TOP OF ALL PILES SHALL BE FREE OF ALL FILL & DEBRIS BEFORE POURING CONCRETE AND PENETRATE AT LEAST 3" INTO GRADE BEAMS.
- PS10. PRECUTTING OF PILES BEFORE DRIVING FOR ANY REASON IS STRICTLY PROHIBITED AND WILL BE CAUSE FOR REJECTION OF FOUNDATION.
- PS11. PILES SHALL BE INSTALLED BY HAMMER METHOD.

## STEEL LINTELS

- SL1. PREFORMED POWERS STEEL LINTEL SHALL BE GALVANIZED COIL STEEL AS MANUFACTURED BY POWERS STEEL AND WIRE PRODUCTS, INC. STEEL GRADE SHALL BE ASTM A570 GRADE C (FY = 40 ksi). PRODUCT NAME (PATENT NO. 5465538)
- SL2. SHORE LINTELS AT 2'0" MAX TO COMPENSATE FOR DEAD LOAD DEFLECTION ON NON-CURED MASONRY GROUT. ALL LINTELS GREATER THAN 18'0" ARE BUILT WITH 1/2" CAMBER.
- SL3. LINTEL TO BE USED WITH BRICK OR CONCRETE MASONRY UNITS HAVING A MINIMUM f'm AS SHOWN. SEE NOTE PS6.
- SL4. STEEL SURFACES IN CONTACT WITH GROUT AND/OR MORTAR SHALL BE UNPAINTED AND FREE OF MATERIAL THAT MIGHT INHIBIT BOND.
- SL5. BEARING EACH END SHALL BE 3" +/- 1/2". BEARING SHALL BE ON A MINIMUM 8" DEEP GROUDED CELL PER THE STANDARD IRC BUILDING CODE. LATEST EDITION.
- SL6. f'm = 1500 psi. MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N.
- SL7. GROUT = 3,000 psi. SLUMP RANGE: 8" TO 11". ROD OR VIBRATE GROUT ADEQUATELY TO ENSURE CONSOLIDATION OF GROUT (NO AIR POCKETS). GROUT SHALL COMPLY WITH ASTM C476-83 AND EITHER COURSE OR FINE GROUT.
- SL8. MORTAR: TYPE "S" OR TYPE "M" 1800 psi.
- SL9. TOP REINFORCING OR TOP OF WALL REINFORCING, IS REQUIRED BY CODES TO PROVIDE A CONTINUOUS TIE AROUND A STRUCTURE AND TO PROVIDE FOR UPLIFT RESISTANCE AT LINTELS.
- SL10. ATTACHMENTS TO TOP OF WALL PER ARCHITECTURAL AND/OR ENGINEERING DRAWINGS.
- SL11. A PROPER BARRIER IS REQUIRED WHEN USING CORROSIVE LUMBER PRODUCTS IN CONTACT WITH THE STEEL LINTELS. A PROPER BARRIER WOULD BE A POLYETHYLENE BARRIER WITH A 10 MIL THICKNESS OR MAINTAIN A MINIMUM 1/4" SPACING BETWEEN THE CORROSIVE LUMBER AND STEEL LINTEL.
- SL12. A MINIMUM OF 3'0" O.C. #5 REINFORCING BAR (GRADE 60) IS TO SET APPROX. 1-1/2" FROM TOP OF ALL LINTEL DESIGNS. TOP HORIZONTAL REINFORCEMENT IS TO BE CONTINUOUS TIE AS NOTED IN NOTE #9. IN THE CASE THAT THE LINTEL IS NOT WITHIN A COMPOSITE BOND BEAM SYSTEM, TOP HORIZONTAL REINFORCEMENT IS TO EXTEND 2'0" PAST INSIDE OF JAMBS.
- SL13. MANUFACTURER: POWERS STEEL  
4118 E. ELWOOD  
PHOENIX, AZ. 85040  
PH# 602-437-1150  
FAX# 602-437-5409
- SL14. IF AN INSPECTOR, CONTRACTOR, SUBCONTRACTOR, OR PLANS EXAMINER HAS ANY TECHNICAL QUESTIONS PLEASE CALL.  
S.E. CONSULTANTS, INC.  
5800 E. THOMAS RD, SUITE 104  
SCOTTSDALE, AZ. 85261  
PHONE# 480-946-2010  
FAX# 480-946-1909
- SL15. INSTALLATION: POWERS LINTELS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICES, SET TO PROPER LINE AND LEVEL, PLUMB AND TRUE, AND IN CORRECT RELATION TO OTHER WORK.

**FOR PERMITS NOT  
FOR CONSTRUCTION**



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**ACADIAN STRUCTURAL SOLUTIONS, INC.**  
57362 ALLEN RD, SLIDELL, LA. 70461  
PHONE (985) 641-5794 FAX (985) 641-1239  
PLANS@ACADIANSS.COM

South Central Planning & Development Commission.  
Plans reviewed and approved in accordance with the Louisiana State Uniform Construction Code.  
Plan Examiner:  
*Adam Dupuy*  
By Adam Dupuy et al.  
5-18-2019 PM, Jan 02, 2020

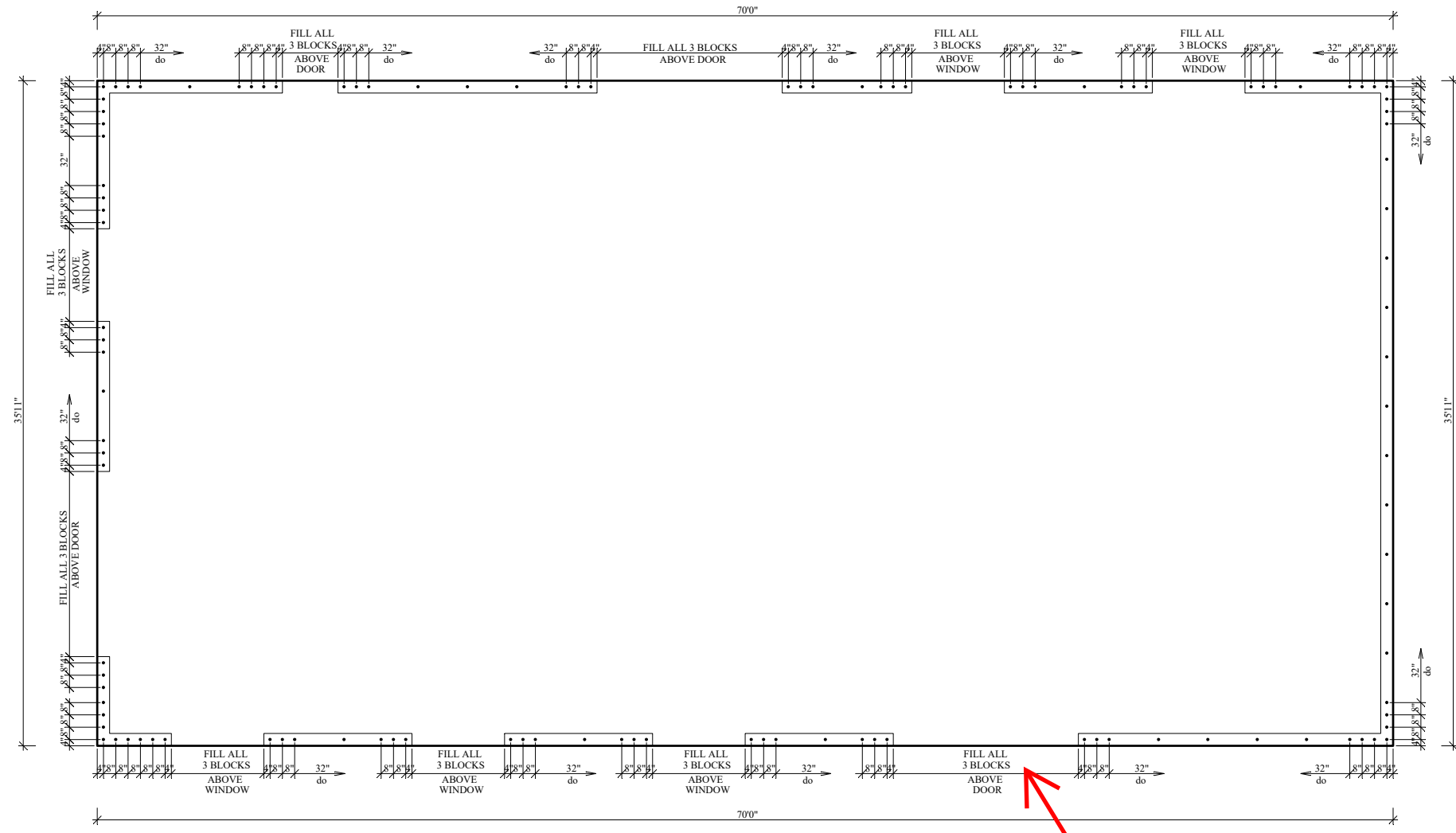
**ROCKWELL BUILDERS**  
690 N. 18th STREET  
BATON ROUGE, LOUISIANA

SCALE: N.T.S.	
DATE: 9 MAY 18	
DRAWN BY: EPH	
CHKD BY: HN	
ASS PROJECT #: 432-18	

REVISIONS	
DATE	

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OF  
**PT-6**



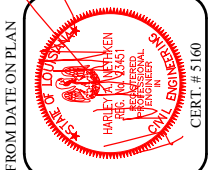


**WALL REBAR LAYOUT**

**Double side hinged door**

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South Central Planning & Development Commission  
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 Plans Examiner:  
*Adam Dupuy*  
 By Adam Dupuy on: 7:05:59 PM, Jan 02, 2020



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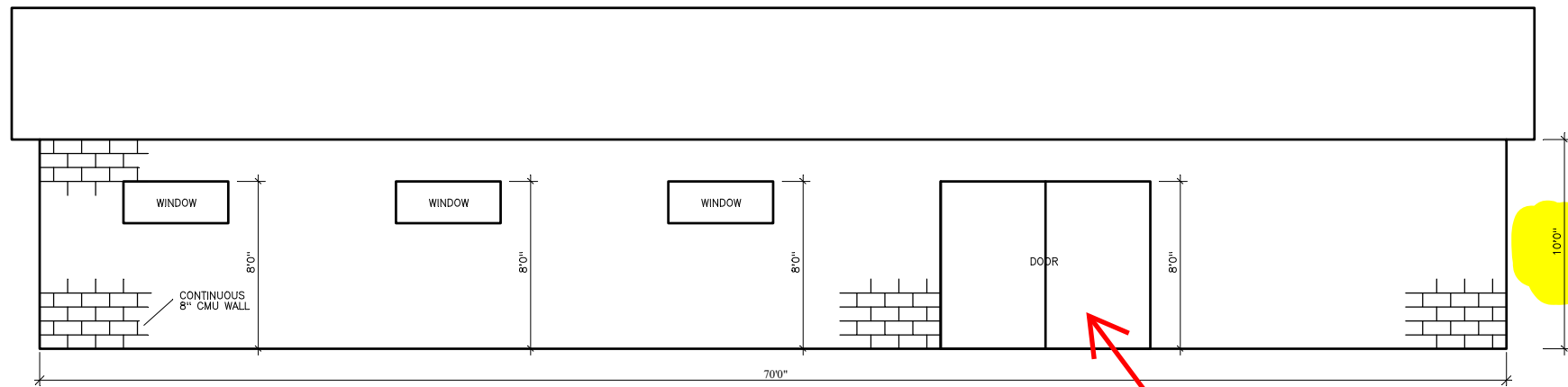
**ROCKWELL BUILDERS**  
 690 N. 18th STREET  
 BATON ROUGE, LOUISIANA

SCALE: 1/4" = 1'-0"  
 DATE: 9 MAY 18  
 DRAWN BY: EPH  
 CHKD BY: HN  
 ASS PROJECT #: 432-18

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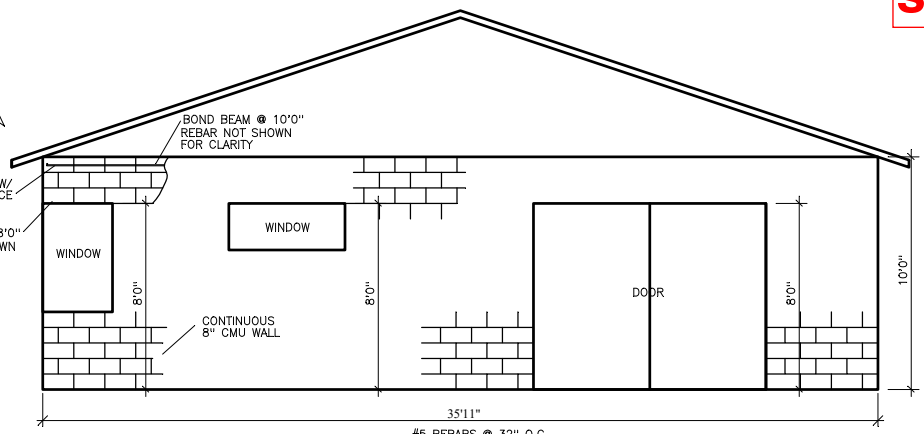
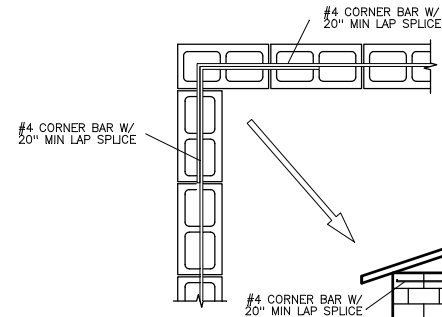


FRONT ELEVATION

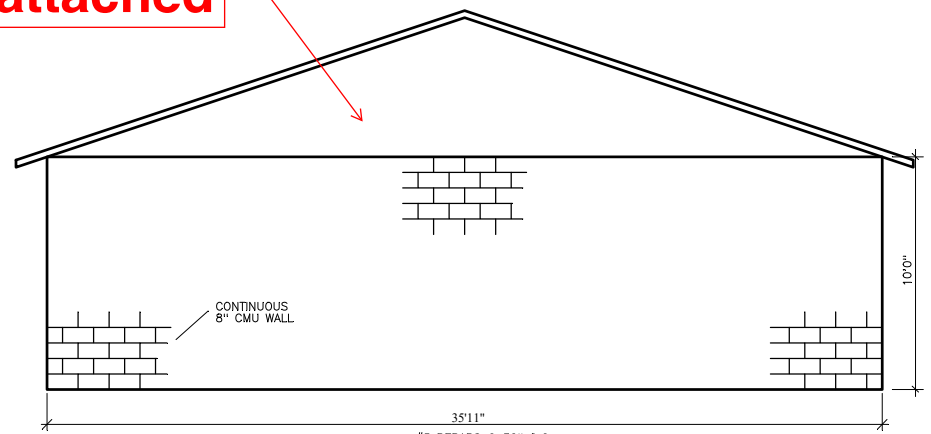
- NOTES:
- 1) SET TOP OF ALL WINDOWS & DOORS @ 8'0"
  - 2) SET TOP OF WALLS @ 10'0"
  - 3) BOND BEAM W/ (1) #5 REBAR CONTINUOUS @ 4'0" - 8'0" & 10'0"
  - 4) ADD (1) #5 REBAR x12'0" LONG ABOVE EACH DOOR
  - 5) FILL ALL 3 BLOCKS ABOVE ALL DOORS AND WINDOWS
  - 6) ADD (1) #5 REBAR TO TOP BOND BEAM @ 10'0" ABOVE CANTILEVER WINDOW
  - 7) ADD #4 CORNER BAR TO TOP BOND BEAM @ 10'0" ABOVE CANTILEVER WINDOW

**Double side hinged door**

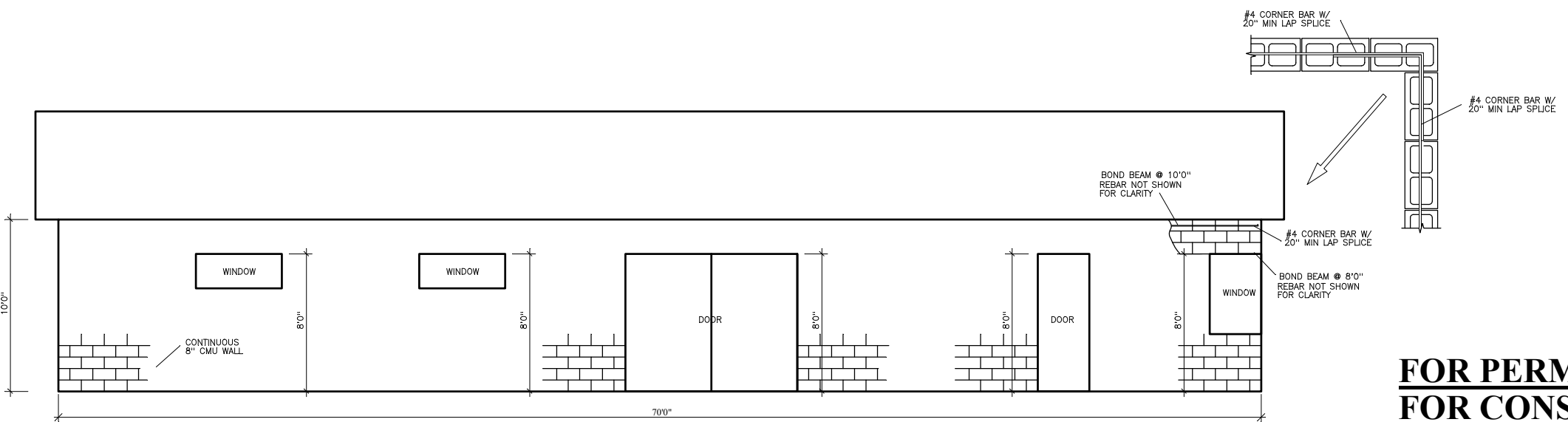
**Truss roof see attached**



LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION

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Plans Examiner:  
*Adam Dupuy*  
By Adam Dupuy at:  
2:49:59 PM, Jan 02, 2020



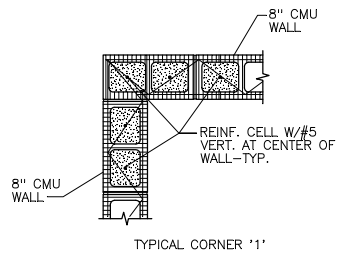
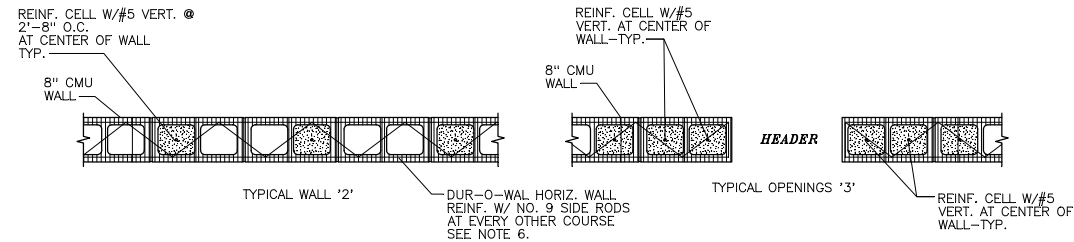
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ROCKWELL BUILDERS  
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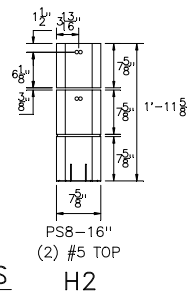
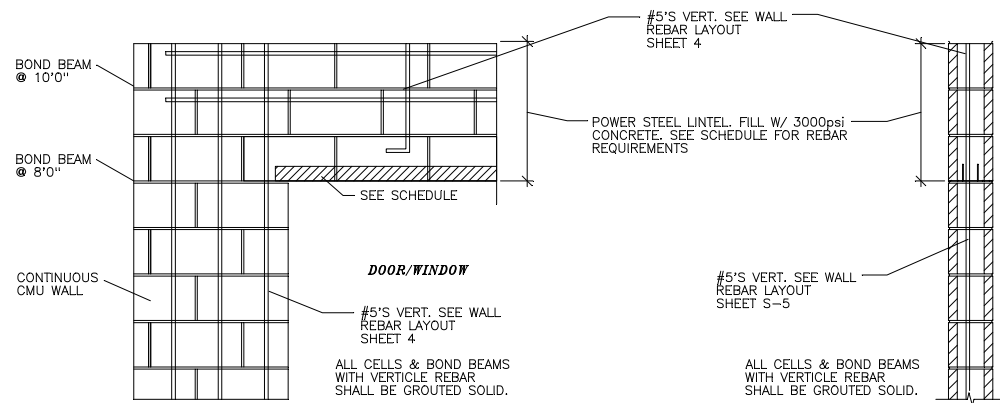
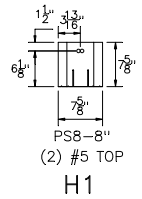
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OF  
PT-6



- NOTES:
1. ALL REINFORCED CELLS ARE TO BE GROUTED SOLID FULL HEIGHT WITH 3000 PSI AT 28 DAYS GROUT WITH PEA-SIZED GRAVEL AGGREGATE.
  2. PROVIDE #5 CAST-IN-PLACE STANDARD HOOKED DOWEL AT ALL REINFORCED CELLS AT BASE OF CMU WALL INTO CONCRETE BEAM. SEE SECTIONS & DETAILS FOR FRAMING REQUIREMENTS AT TOP OF CMU WALL-TYPICAL.
  3. PROVIDE A CONTINUOUS "U"-BLOCK REINFORCED WITH 1-#5 CONTINUOUSLY AT 56" VERTICAL MAX AND AT TOP OF CMU WALL-TYPICAL.
  4. ALL CMU BLOCKS ARE TO BE LAID IN RUNNING BOND. VERIFY WITH OWNER.
  5. CMU BLOCKS ARE TO HAVE A MINIMUM COMPRESSIVE STRENGTH,  $f_m$ , OF 1500 PSI.
  6. PROVIDE DUR-O-WAL HORIZONTAL WALL REINFORCEMENT WITH NO. 9 SIDE RODS @ EVERY OTHER COURSE. PROVIDE PREFABRICATED DUR-O-WAL TRUSS TEE AT WALL INTERSECTIONS AND PREFABRICATED DUR-O-WAL TRUSS CORNER AT WALL CORNERS.
  7. REFER TO SHEET A5.0 & A5.1 BY OTHERS FOR ADDITIONAL "U" BLOCK & FILLED CELLS FOR SIGNAGE ETC.
  8. ALL CELLS & BOND BEAMS WITH VERTICLE REBAR SHALL BE GROUTED SOLID.

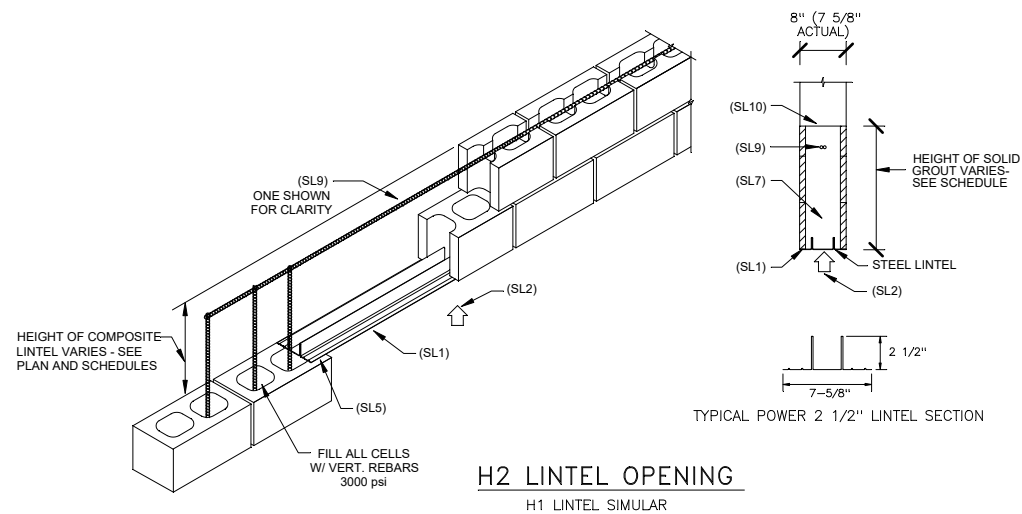
**TYPICAL 8" CMU VERTICAL WALL REINFORCEMENT**



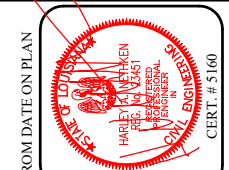
TYPICAL LINTEL @ OPENINGS

SECTION @ LINTELS

HEADER SCHEDULE		
MARK	TYPE	REINFORCEMENT
H1	PS8-8"	(2) #5 REBARS TOP
H2	PS8-24"	(2) #5 REBARS TOP



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