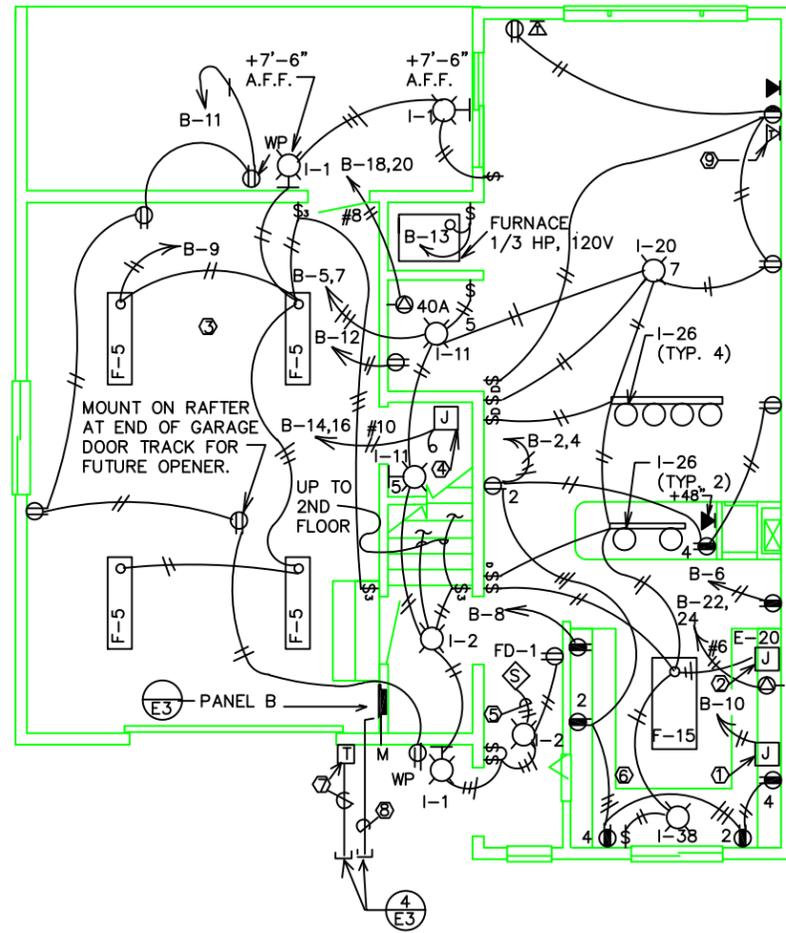


UPPER FLOOR
SCALE: 1/8" = 1'-0"



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

DUPLEX

PANEL 'A'		LOCATION GARAGE	TYPE LOADCENTER	LOAD		
200	AMP	120/240	VOLT 1	PHASE 3	WIRE	
CIR NO	BKR A.	FDG P.	AWG	DESCRIPTION	A	B
1	20	1	12	BEDROOM LTS./PLUGS	1380	
3	20	1	12	BATHROOM LTS./PLUGS/FAN		700
5	20	1	12	MAIN FLOOR LTS./PLUGS	660	
7	20	1	12	MAIN FLOOR LTS./PLUGS		1662
9	20	1	12	GARAGE LTS./OUTDOOR LTS.	544	
11	20	1	12	GARAGE/EXTERIOR PLUGS		900
13	20	1	12	FURNACE	864	
15				SPACE		
17				SPACE		
19				SPACE		
21				SPACE		
23				SPACE		
25						
27						
29						
31						
33						
35						
37						
39						
41	20	1	12	KITCHEN PLUGS	1500	
4	20	1	12	KITCHEN PLUGS		1500
6	20	1	12	KITCHEN PLUGS	1500	
8	20	1	12	KITCHEN PLUGS		1450
10	20	1	12	KITCHEN PLUGS	1200	
12	20	1	12	WASHER PLUG		512
14	30	2	12	WATER HEATER	2250	
16				WATER HEATER		2250
18	40	2	8	DRYER PLUG	2500	
20				DRYER PLUG		2500
22	50	2	6	RANGE PLUG	2600	
24				RANGE PLUG		2600
26						
28						
30						
32						
34						
36						
38						
40						
42						
MAIN BRKR 150A				TOTAL VA	14,998	14,074
TOTAL KVA 29.1				TOTAL AMPS	125.0	117.3
BOTTOM <input type="checkbox"/> SURFACE <input type="checkbox"/> S.NEUT <input checked="" type="checkbox"/> FEEDER 2" C., 3# 3CU.						
TOP <input checked="" type="checkbox"/> FLUSH <input checked="" type="checkbox"/> I.G.BUSS <input type="checkbox"/> AIC SYM. 10,000						

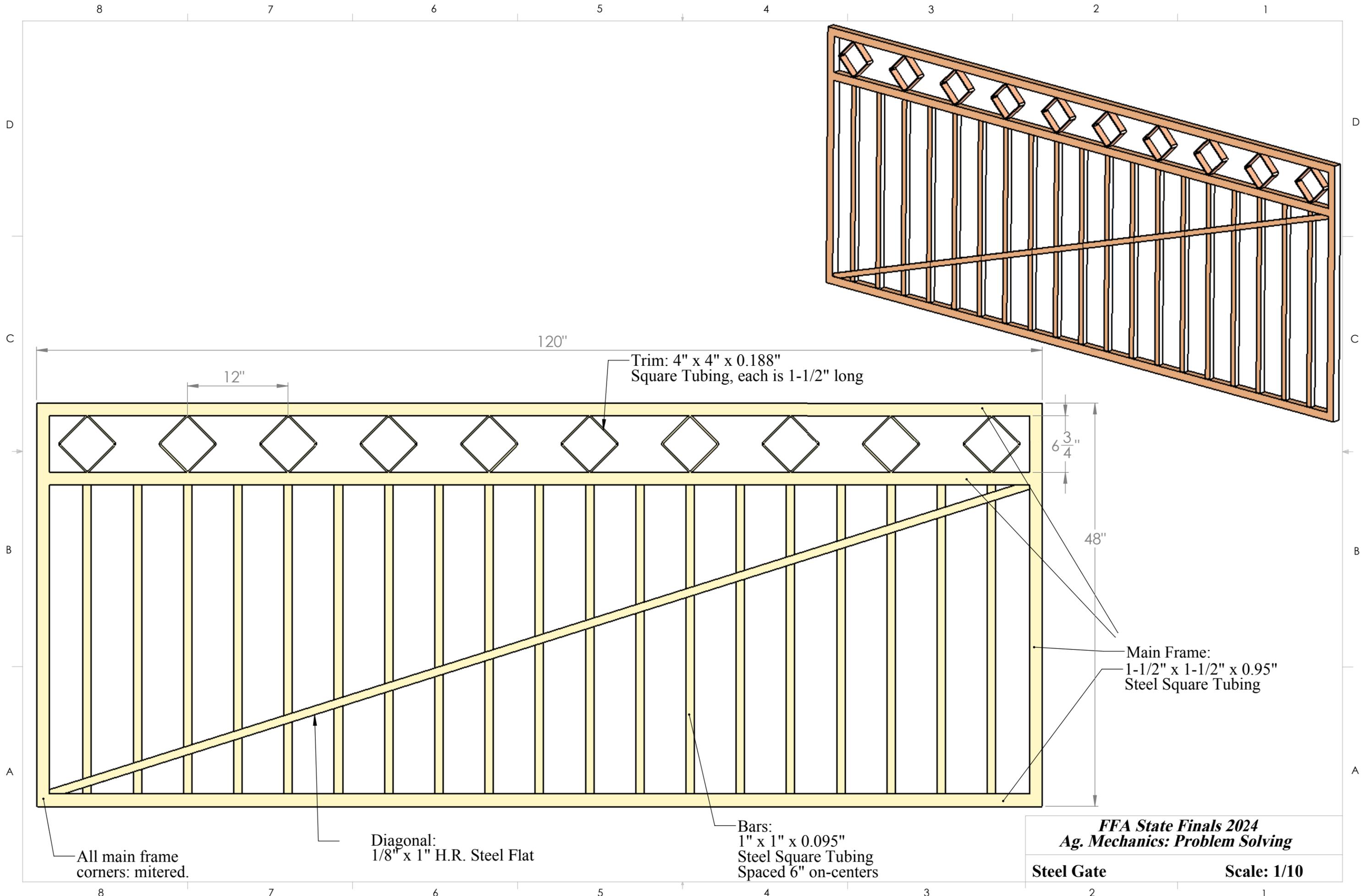
* GROUND FAULT INTERRUPTER BREAKER

SYMBOL LIST

- FLUORESCENT FIXTURE
- INCANDESCENT FIXTURE, CEILING MOUNTED
- INCANDESCENT FIXTURE, WALL MOUNTED
- INCANDESCENT FIXTURE, TRACK MOUNTED
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER, +48" U.O.N.
- DUPLEX RECEPTACLE, SPLIT WIRED
- SIMPLEX SPECIAL PURPOSE OUTLET
- TELEPHONE OUTLET, WALL MOUNTED
- TELEVISION OUTLET, WALL MOUNTED
- WALL SWITCH - ONE WAY
- WALL SWITCH - THREE WAY
- DIMMER SWITCH, 600 WATT
- SMOKE DETECTOR
- INFRA-RED RADIANT HEATER AND VENT FAN
- JUNCTION BOX
- DISCONNECT SWITCH
- EQUIPMENT CONNECTION
- WP WEATHERPROOF
- GFI GROUND FAULT INTERRUPTER
- U.O.N. UNLESS OTHERWISE NOTED
- METER AND BASE
- ELECTRICAL PANEL

NOTES:

- ① CONNECTION POINT FOR UNDERCOUNTER DISHWASHER. CONNECT TO EQUIPMENT PROVIDED BY OTHERS.
- ② CONNECTION POINT FOR HOOD LIGHT AND FAN. PROVIDE EQUIPMENT TYPE E-20 (SEE SPECS.) AND ALL CONNECTIONS REQUIRED.
- ③ FIXTURES IN THIS AREA ONLY TO BE PROVIDED WITH ZERO (0) DEGREE COLD WEATHER BALLASTS.
- ④ CONNECTION POINT FOR WATER HEATER.
- ⑤ CONNECT TO UNSWITCHED LEG.
- ⑥ ALL KITCHEN RECEPTACLES TO BE MOUNTED AT +44" TO CENTER OF DEVICE.
- ⑦ PROVIDE 2" GRC CONDUIT ONLY STUBBED OUT FOR TELEPHONE SERVICE PER DETAIL 4/E3. COORDINATE EXACT LOCATION OF STUB OUT WITH SITE UTILITIES CONTRACTOR.
- ⑧ PROVIDE 2" GRC CONDUIT AND CONDUCTORS STUBBED OUT FOR POWER SERVICE PER DETAIL 4/E3. COORDINATE EXACT LOCATION OF STUB OUT WITH SITE UTILITIES CONTRACTOR



120"

12"

Trim: 4" x 4" x 0.188" Square Tubing, each is 1-1/2" long

6 ³/₄"

48"

Main Frame:
1-1/2" x 1-1/2" x 0.95"
Steel Square Tubing

Diagonal:
1/8" x 1" H.R. Steel Flat

Bars:
1" x 1" x 0.095"
Steel Square Tubing
Spaced 6" on-centers

All main frame
corners: mitered.

FFA State Finals 2024
Ag. Mechanics: Problem Solving
Steel Gate **Scale: 1/10**