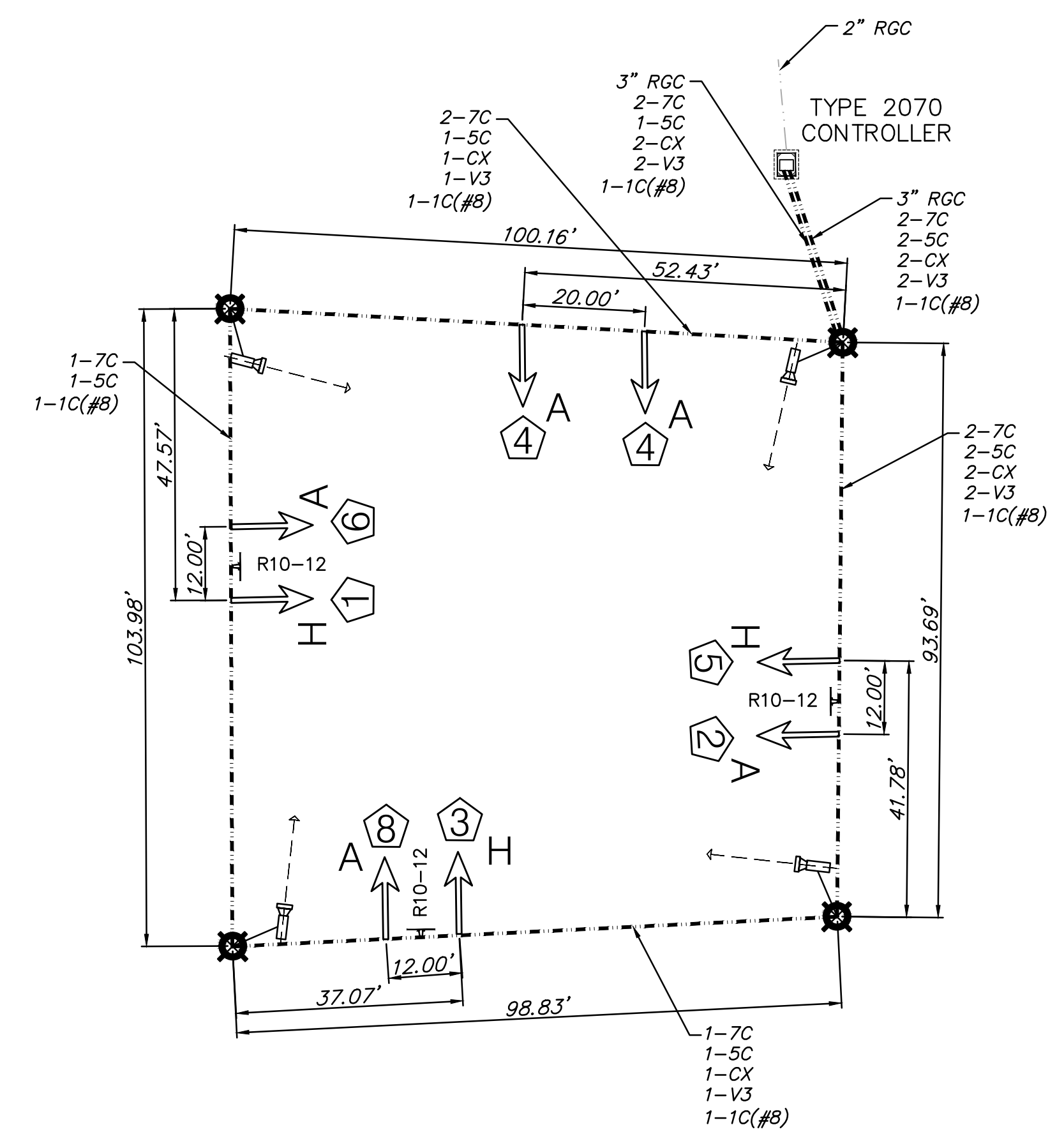


TRAFFIC SIGNAL QUANTITIES

ITEM	UNIT	EST. QUANTITIES (*)
Model 2070 Controller (See Inclusive List Below)	Each	City to Provide
Controller Cabinet	Each	1
Concrete Base for Controller	Each	1
Joint Use Span Pole	Each	4
Luminaire Arm	Each	4
Traffic Signal Head (Type A) w/ Reflectorized Backplate & Brkt	Each	5
Traffic Signal Head (Type H) w/ Reflectorized Backplate & Brkt	Each	3
R10-12 (Left Turn On Green) w/ Mtg. Brackets	Each	3
Span Wire Cable	Each	770
Ground Rod & Clamp	Each	4
TRAFFIC SIGNAL LAMP RED LED KIT	Each	8
TRAFFIC SIGNAL LAMP YELLOW LED KIT	Each	8
TRAFFIC SIGNAL LAMP YELLOW ARROW LED KIT	Each	3
TRAFFIC SIGNAL LAMP GREEN LED KIT	Each	8
TRAFFIC SIGNAL LAMP GREEN ARROW LED KIT	Each	3
3" RGC Conduit	L.F.	44
2" RGC Conduit	L.F.	90
1.5" RGC Conduit	L.F.	As Required
Video Detection Camera and Mounting Hardware	Each	4
Video Detection Processor	Each	1
Camera Housing	Each	4
Video Power Cable No. 16 AWG 3/C (V3)	L.F.	600
Video Cable 75 OHM Coaxial (Belden 8281)(CX)	L.F.	600
TV Monitor	Each	1
Camera Charged Coupling Device	Each	4
Multi-Conductor Cable 7C #14 AWG	L.F.	700
Multi-Conductor Cable 5C #14 AWG	L.F.	600
Ground Wire 1C (THHN #8 AWG)	L.F.	450
Power Supply Wire (THHN #8 AWG)	L.F.	As Required



GENERAL NOTES

- The Contractor shall be responsible for furnishing and installing the controller, cabinet, concrete base, and all other equipment necessary for the complete and satisfactory operation of the traffic signal, whether said equipment is specifically mentioned or not.
- Lengths given are to the centerline of poles/boxes and do not include lengths for elbows and risers.
- Signal heads, pedestrian signals, traffic signals, & etc. shall **INCLUDE** all brackets, hardware, & other incidentals necessary for installation.
- See City of Wichita Standard Specifications for additional wiring notes.

TYPE 2070 CONTROLLER SPECIFICATIONS

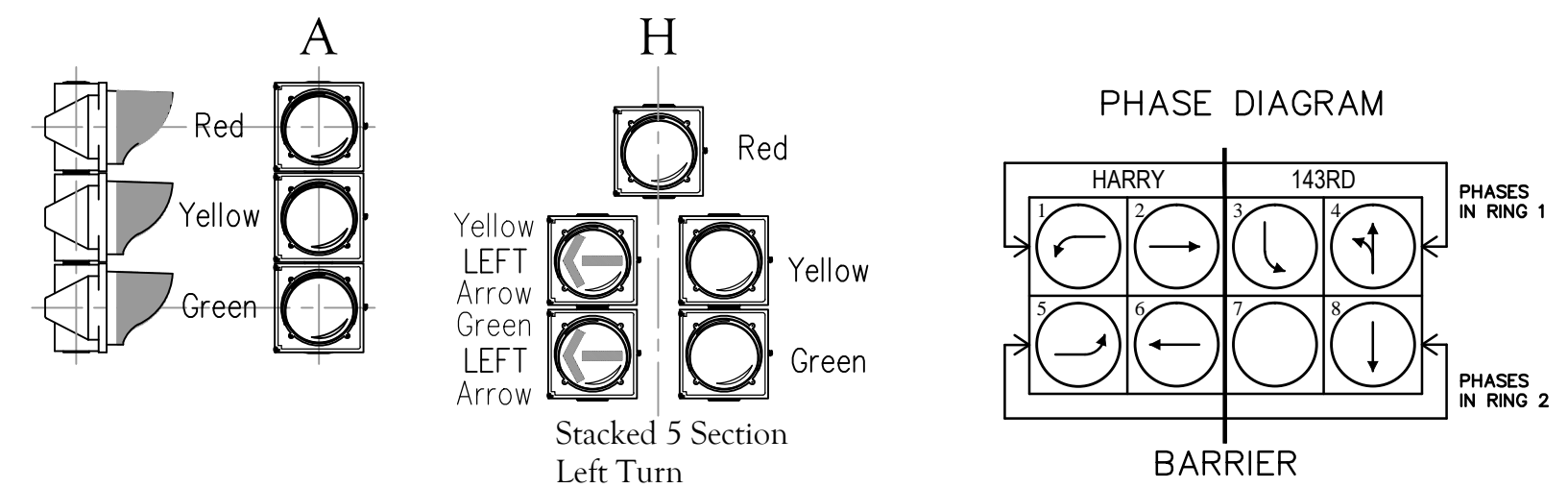
- A. Controller Unit: The 2070E controllers supplied shall meet the requirements outlined in CalTrans TEES 2002 (latest revision), and the following requirements:
- The 2070E controllers shall have a 19" EIA rack mountable chassis (mated to the 107 cabinet).
  - 2070-1B CPU module with RJ-45 Ethernet port.
  - 2070-2A C1 field I/O module for compatibility with CalTrans style C1 connector.
  - 2070-3B 8X40 front panel with LCD display.
  - 2070-4A 10 amp power supply.
  - 2070-7A asynchronous serial communications module (RS-232).
  - Any unused slot position shall have a cover plate.
- B. Conflict Monitors supplied shall be 2010 ECL conflict monitors with Ethernet Capabilities.
- C. 1-Loop-back cable for 2070-2A Field I/O (Type 170,104 pin and 37 pin connector).
- D. 1- Loop-back cable for 2070-7A Port.

TRAFFIC SIGNAL POLES

Station, Dist. & Side	Arm Size	# of Signals	Signal Spacing	Type
49+56.85, 50.4' Rt.		2	12'	A, H
49+58.57, 53.6' Lt.		2	12'	A, H
50+58.29, 46.2' Lt.		2	20'	A, A
50+55.70, 47.4' Rt.		2	12'	A, H

METER ADDRESS: \_\_\_ S. 143rd St.

TYPICAL TRAFFIC SIGNAL HEADS



Note: Wooden Signal Pole Locations are set with Future Widening of the Intersection in Mind.