

SECTION 01 010
SUMMARY OF THE WORK

CARTER WATKINS ASSOCIATES ARCHITECTS, INC.

01 010-1

Bartow County Fire Station #9

JULY 23, 2015

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General Conditions and other Division 1 Specification Sections, apply to this Section. SEE PROJECT PARAMETERS AND CLARIFICATIONS ON PAGE TWO OF THIS SECTION. THIS PROJECT IS RE-BIDDING WITH THE AFOREMENTIONED CLARIFICATIONS TO THE EXISTING, UN-MODIFIED DRAWINGS.

1.2 PROJECT DESCRIPTION

- A. The Project consists of the construction of an 8,600 s.f., One-story, Fire Station. The facility utilizes load-bearing masonry with Engineered Metal Trusses with limited steel structure in the Apparatus Bay. The complete construction is outlined in the Construction Documents and the Project Manual, dated October 14, 2014 as prepared by CARTER WATKINS ASSOCIATES ARCHITECTS, INC. Contracting shall be by means of a General Contractor for Construction between one General Contractor and the Bartow County Commission.
- B. All bidding shall conform to the policies of the Bartow County Procurement Department.
- C. Bidders are required to coordinate all aspects of the work including all site work, owner-supplied equipment and furnishing, and all other related project items.
- D. Please be aware that any contact with any Bartow County personnel will result in immediate disqualification of each bidder.
- E. All questions from bidders are to be addressed in writing to info@carterwatkins.com No phone calls will be taken regarding bid questions.
- F. No requests for product substitutions will be reviewed prior to bidding. Any equal product will be acceptable for substitution as long as it is able to be proven by the bidder that it is an equal product.

1.3 CONTRACTORS USE OF PREMISES

- A. General: Limit use of the premises only to construction activities in areas indicated.
1. Confine operations to areas within Construction limits defined in the Pre-Construction Meeting.
 2. Keep driveways and entrances serving the premises clean and available to the Owner. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

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PROJECT PARAMETERS AND CLARIFICATIONS –

1. There will be no alternates requested on the bid form. Disregard any mention of Alternate shown in the drawings or on any project Manual section.
2. The site work is to be included in the Base Bid. There is an 11x17 as-built civil sheet which shows the current condition of the site. Bidders shall include work to take the site from the as-built state to the completed state.
3. The Owner will be providing the Diesel Generator. Contractor to provide Automatic Transfer Switch and all items, elements, labor for a complete system other than the generator itself.
4. Building permit fees are waived by the City of Cartersville and no Special Inspections will be required.
5. Building Exterior Clarification –
 - a. Wainscots are to be pre-colored Architectural Split-face block. Block to be Old Castle or equal. Wainscot height (to underside of water table) to be 2'-8" at Headquarters portion (disregard height shown on A-3.2) and 6'-0" on the Apparatus Bay portion. Block at headquarters section to be 8", block at Apparatus Bay to be 12". Water table to be smooth Architectural pre-colored CMU (8" & 12") and all masonry above the Water Table is to be Quik-brik.
 - b. Apparatus Bay doors on the Rear of the building are to be 14' x 14', red finish, all glass sectional doors. Provide flat beams at these doors with EIFS above (arched infill) and arched ornamentation as shown on the front elevation. Doors to be Overhead Door Corporation, Series 521 (or equal). Glazing to be 1/4" tempered and doors shall have operable, gravity louver across the bottom row. Provide Overhead door Model JST operators for each door and switches in apparatus bay. (to be located by Owner). Provide 6 openers (2 per door).
6. Provide lightning protection system conforming to NFPA 780, (Alltec TerraStreamer or equal) whole-building surge protection, conforming to be IEC 61312-1 (Alltech DynaShield PM Series or equal), and building grounding on the entire building. Submit shop drawings. Grounding to be Alltec TerraDyne or equal.
7. All window/door storefront sills and heads to be Architectural cast stone.
8. Project has County Water and City sewer. Assume that water and sewer fees will be waived.
9. Adhered waterproofing to be Carlisle 60 mil with rubberized asphalt adhesive on cross-laminated HPDE film.

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10. Turnbuckles on canopies are to be located at the midpoint of the support in lieu of location shown on 3/A-3.2.
11. Provide two (2) 4" PVC conduit for telephone to roadway in lieu of one (1) shown on C301.
12. Fuel Station and slab are not included as part of this bid.
13. Contractor shall provide concrete pad for transformer. Generator and Transformer locations are to be as shown on Civil drawings.
14. Heavy duty concrete, shown on C201 as 4,000 psi, is to be 5,000 psi.
15. PVC collector pipe for downspouts is to be routed to the detention pond. Discharge detail (shown on Civil near building) is to be the same but located at the discharge point at the pond.
16. As a matter of reference, Friction Drive has been renamed. It is now Fiber Drive.
17. Contractor to provide fully-operational generator per documents. This includes a full tank of fuel.
18. Fencing around building is to be 6'-0". See C402 for fence height at detention. Common line fencing between building and detention pond to be 6'-0".
19. Masonry insulation to be Core-fill 500 in lieu of specified.
20. Detail 6/A-3.1 is the parapet detail capping all masonry walls. See attached rendering.
21. Provide 5/8" type X sheetrock on 7/8" furring channels under all trusses at Headquarters area. Provide 5/8" green board on furring channels at Apparatus bay with 1x4 pvc battens covering all gypsum board joints. CONTRACTOR TO INSTALL GYPSUM BOARD IN 4'X8' RUNNING BOND PATTERN WITH CUT-OFFS AT EDGES ONLY in order to maintain the 4'x8' gypsum board spacing to align with the 4'x4' batten pattern.
22. Bulkheads called out on A-6.1 are to be constructed around the steel beams in the Apparatus. Bay. Lowered ceilings occur at the enclosed rooms within the Apparatus bay. (See A-6.1)
23. All showers are to be ceramic tile with shower pan, 1/2" curb, and slope to drain.
24. Please note that Sheet A-3.8 was not included in the set and is not part of the bid.
25. Contractor to include all sidewalks (and all other items unless noted otherwise) shown on the Civil Drawings.
26. Builder's Risk insurance is to be provided by the Contractor per AIA A101 included in the Bid Documents. Disregard reference to Owner-supplied insurance in AIA A201.
27. The telephone system is to be provided by the Owner.
28. Coated concrete, as designated on A-7.1, is to include the application of Quikrete, Garage Floor Coatings, 2-Part Epoxy High-Gloss Coating material, or equal. Prepare concrete and install per

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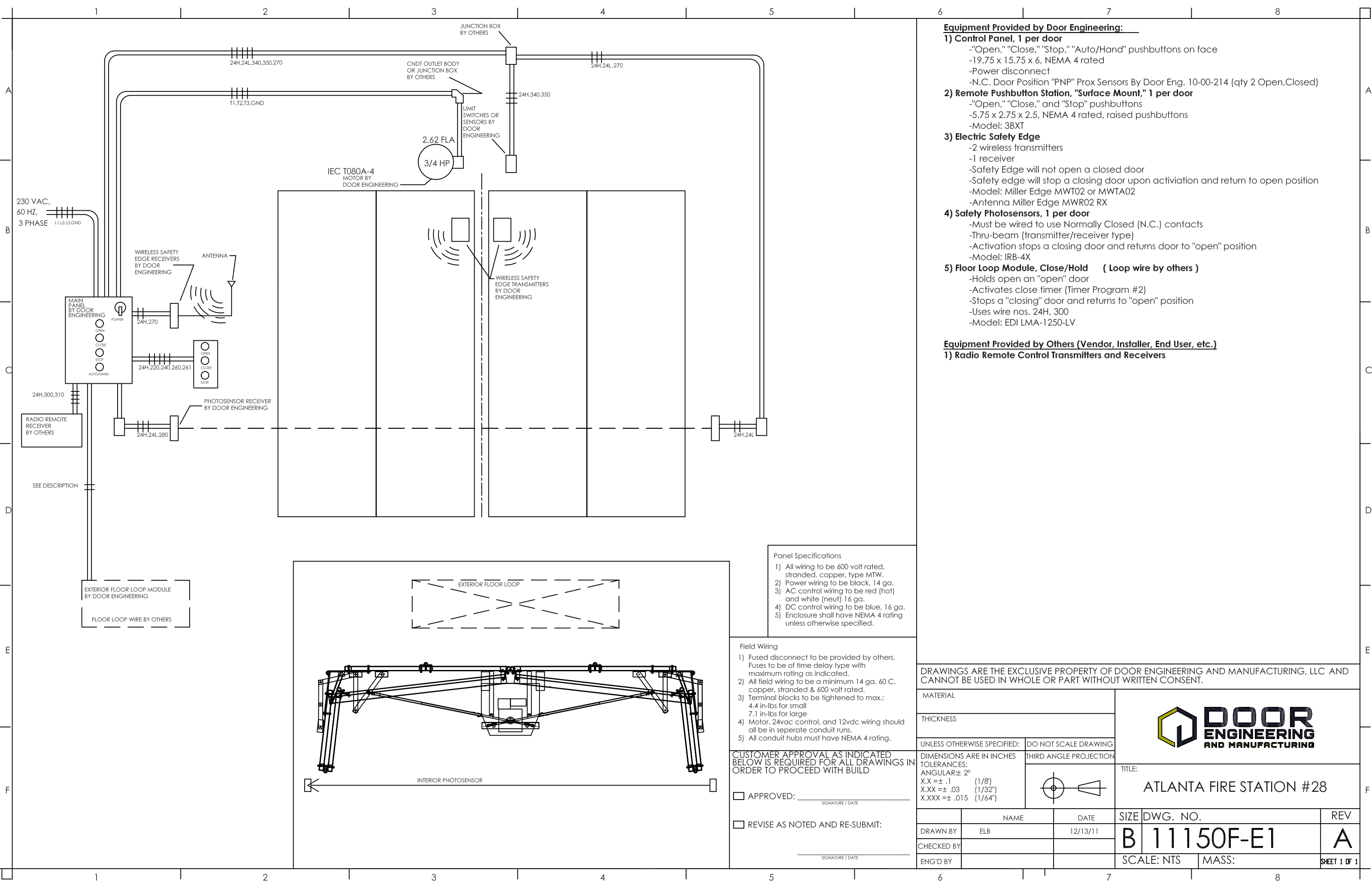
JULY 23, 2015

manufacturer's recommendations.

29. Utility Building and Fuel Center are not part of the Contract/bid.
30. Engine Exhaust system is to include Six (6) connections and three lines for the vehicle exhaust.
Verify layout with owner prior to providing shop drawings.
31. The following information is attached to the section OR posted on the FTP site and is to be included/coordinated as part of the bids:
 - i. Arch-top door shop drawing (as reference) provided by Door engineering and Manufacturing.
 - ii. Mechanical, Electrical, Plumbing updated drawings. (posted on FTP Site with July 23 date).
32. Provide two (2) sets of hot and cold hose bibbs inside the Apparatus Bay.
33. Below is the rendering of the proposed Fire Station exterior for reference.

END OF SECTION





Equipment Provided by Door Engineering:

- 1) Control Panel, 1 per door
- "Open," "Close," "Stop," "Auto/Hand" pushbuttons on face
 - 19.75 x 15.75 x 6, NEMA 4 rated
 - Power disconnect
 - N.C. Door Position "PNP" Prox Sensors By Door Eng. 10-00-214 (qty 2 Open,Closed)
- 2) Remote Pushbutton Station, "Surface Mount," 1 per door
- "Open," "Close," and "Stop" pushbuttons
 - 5.75 x 2.75 x 2.5, NEMA 4 rated, raised pushbuttons
 - Model: 3BXT
- 3) Electric Safety Edge
- 2 wireless transmitters
 - 1 receiver
 - Safety Edge will not open a closed door
 - Safety edge will stop a closing door upon activation and return to open position
 - Model: Miller Edge MWT02 or MWT A02
 - Antenna Miller Edge MWR02 RX
- 4) Safety Photosensors, 1 per door
- Must be wired to use Normally Closed (N.C.) contacts
 - Thru-beam (transmitter/receiver type)
 - Activation stops a closing door and returns door to "open" position
 - Model: IRB-4X
- 5) Floor Loop Module, Close/Hold (Loop wire by others)
- Holds open an "open" door
 - Activates close timer (Timer Program #2)
 - Stops a "closing" door and returns to "open" position
 - Uses wire nos. 24H, 300
 - Model: EDI LMA-1250-LV

Equipment Provided by Others (Vendor, Installer, End User, etc.)

- 1) Radio Remote Control Transmitters and Receivers

Panel Specifications

- 1) All wiring to be 600 volt rated, stranded, copper, type MTW.
- 2) Power wiring to be black, 14 ga.
- 3) AC control wiring to be red (hot) and white (neut) 16 ga.
- 4) DC control wiring to be blue, 16 ga.
- 5) Enclosure shall have NEMA 4 rating unless otherwise specified.

Field Wiring


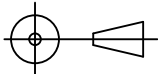
- 1) Fused disconnect to be provided by others. Fuses to be of time delay type with maximum rating as indicated.
- 2) All field wiring to be a minimum 14 ga. 60 C. copper, stranded & 600 volt rated.
- 3) Terminal blocks to be tightened to max.: 4.4 in-lbs for small 7.1 in-lbs for large
- 4) Motor, 24vac control, and 12vdc wiring should all be in separate conduit runs.
- 5) All conduit hubs must have NEMA 4 rating.

CUSTOMER APPROVAL AS INDICATED BELOW IS REQUIRED FOR ALL DRAWINGS IN ORDER TO PROCEED WITH BUILD

☐ APPROVED: _____
SIGNATURE / DATE

☐ REVISE AS NOTED AND RE-SUBMIT: _____
SIGNATURE / DATE

DRAWINGS ARE THE EXCLUSIVE PROPERTY OF DOOR ENGINEERING AND MANUFACTURING, LLC AND CANNOT BE USED IN WHOLE OR PART WITHOUT WRITTEN CONSENT.

MATERIAL			<div>DOOR ENGINEERING AND MANUFACTURING</div>		
THICKNESS					
UNLESS OTHERWISE SPECIFIED:		DO NOT SCALE DRAWING			
DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR± 2° X.X =± .1 (1/8") X.XX =± .03 (1/32") X.XXX =± .015 (1/64")		THIRD ANGLE PROJECTION		<div></div> <div>TITLE: ATLANTA FIRE STATION #28</div>	
	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN BY	ELB	12/13/11	B	11150F-E1	A
CHECKED BY					
ENG'D BY			SCALE: NTS		MASS:
			SHEET 1 OF 1		