

**CARSON CITY PURCHASING AND CONTRACTS**

**201 North Carson Street, Suite 3**

**Carson City, NV 89701**

**775-283-7137/FAX 887-2107**

**<http://www.carson.org/index.aspx?page=998>**

**NOTICE TO CONTRACTORS**

**BID #1415-019**

**Fleet Facility Expansion**

**PWP # CC-2014-289**

**Addendum No. 2**

Please make the following additions/changes/clarifications to the above referenced project:

1. Results from a fire flow test performed on 9/3/14 are attached.

The following is based on questions received prior to September 4, 2014:

2. *Are Davis Bacon or State Prevailing Wage Rates to be for this project?*  
The higher of the Davis Bacon or State Prevailing Wage Rates shall apply for each job classification.
3. *Please clarify the statement in Addendum No. 1, which states;*  
*Instruction to Bidder page 5, section P states "Bidder agrees that he/she will perform work totaling at least Fifty per cent (50%) of the Bid amount and will not subcontract work totaling more than Fifty per cent (50%) of the Bid amount." The percentage that the Bidder agrees to perform shall be reduced to 10%."*  
The bidder agrees that he/she will perform work totaling at least ten per cent 10% of the Bid amount and will not subcontract work totaling more than ninety per cent (90%) of the bid amount.
4. *Is there any information available regarding the invert elevations for the point of connections for the site utilities? (Fire line, water line and sewer line)*  
Please refer to Item G-1 of this addendum. Additionally, the Bidder should assume that all invert elevations for points of connections for site utilities are at typical depths.

## **ADDENDUM NO. 2**

to the

Project Manual and Drawings

for

CARSON CITY FLEET MAINTENANCE FACILITY EXPANSION

GML Project No. 796

September 4, 2014

GML Architects - LLC  
1575 Delucchi Lane, Suite 120  
Reno, Nevada 89502  
(775) 829-8814

### **BIDDERS NOTES:**

1. This Addendum shall be recognized by all concerned as an incorporated part or parts of the Contract Documents.
2. The Contractor shall assure himself that all changes and interpretations covered by the contents herein are thoroughly understood. Contractor shall be responsible for fully accounting for each item, and all related work associated with each item, in the contract price proposed.
3. It shall be the Contractor's responsibility to verify that all his bidders are aware of the items in the Addendum.

### **GENERAL NOTES:**

**ITEM G-1:** Sheet C1: The water and sewer site utility work shown on sheet C1 shall be performed by the City. The City will also install the 2" conduit that runs parallel with the water service line to the north of the building. The Contractor is responsible to extend the water and sewer lines from the building to 5' away from the building to be connected by the City with the exception of the 4" sanitary sewer floor drain line. The contractor shall install the 4" sanitary sewer drain line from the building to the sand/oil separator including providing and installing the sand/oil separator. All work downstream from the sand/oil separator shall be performed by the City. The Contractor is responsible to complete all other site work as necessary to complete the project as shown on the plans.

**ITEM G-2:** To our best assumption, the thickness of the existing slab of the maintenance facility is 6". Upon award of the contract, we recommend the General Contractor core the slab.

- ITEM G-3:** At the existing service water line to be abandoned called out on Sheet C1, it will be acceptable to cut and cap it at each end and left in place.
- ITEM G-4:** The finish floor elevation of the new Expansion shall match the existing floor elevation.
- ITEM G-5:** Disregard the dimension call-out of 76'-0" on Sheet A2.1. The building is designed with 25'-0" bays (center line of columns).
- ITEM G-6:** As specified in the Specifications, a Simple Saver System or approved equal shall be utilized. Banded R-38 System will not be acceptable.
- ITEM G-7:** The exterior A.C. patching will be a minimum of 2'-0" of disturbed asphalt – Base Bid.
- ITEM G-8:** The interior existing Toilet Room floor finish (epoxy flooring) and floor drain will remain if the Alternate is accepted.
- ITEM G-9:** Question: Will over-excavation and structural fill be required? (The geotechnical report is not clear on this issue.)

Response: Per the Specifications Section 02201, the Soil Report is provided ONLY for information purposes. The Contractor shall provide and follow the over-excavation and structural fill requirements as called out in the Specification Section 02201, in the General Notes: Foundations on Sheet S-1, and per the Typical Engineered Fill Detail 12/S-2.

**PROJECT MANUAL:**

**ITEM SP-1: SECTION 09650, RESILIENT FLOORING**

ADD: Section 09650, Resilient Flooring, in its entirety as attached hereto and made a part of Addendum No. 2 dated August 21, 2014.

**ITEM SP-2: SECTION 10999, MISCELLANEOUS SPECIALTIES**

ADD: 2.05 COMMERCIAL VACUUM

A. Approved Manufacturers:

1. J.E. Adams, 9225-2 Motor Commercial Vacuum
2. Approved equal.

**ITEM SP-3: SECTION 13120, PRE-ENGINEERED STEEL BUILDING, PARAGRAPH 2.01, MANUFACTURERS, SUBPARAGRAPH B.**

ADD: 6. Metallic Building Company.

**ITEM SP-4: SECTION 13120, PRE-ENGINEERED STEEL BUILDING, PARAGRAPH 2.08, SUBPARAGRAPH B.**

DELETE: Subparagraph B. in its entirety.

**ITEM SP-5: SECTION 13120, PRE-ENGINEERED STEEL BUILDING, PARAGRAPH 2.03, SUBPARAGRAPH A.**

DELETE: #3 Joint Type: Panels snapped together.

**ITEM SP-6: SECTION 13850 FIRE ALARM SYSTEM, SECTION 1.01, D**

QUESTION: Plan E4. 1 shows a new security system going in with new security Panel. What type of integration are you looking for? Please explain. (Is the existing fire alarm supposed to use the dialer in new system to report to a central station?)

RESPONSE: Specification section has been revised to reflect the new security panel requirements and the owners preferred vendor. "Fire alarm system shall integrate with new security system. Owners preferred vendor is Desert Hills Security, Reno. "

Integration shall take advantage of the GE Vigilante full integration capabilities of system integration. Contractor shall furnish a cellular dialer integral to the fire alarm or security system which will act as the single point of dial out reporting to central station, as defined by the owner, for both the fire alarm and security system.

## **DRAWINGS:**

### **ARCHITECTURAL**

**ITEM A-1: SHEET A.2.1, FLOOR PLANS, FINISH SCHEDULE**

CHANGE: Base as shown on the 8-1/2" x 11" Sheet 1 attached hereto as part of Addendum No. 2 dated September 4, 2014.

**ITEM A-2: SHEET A7, ROOF PLAN**

ADD: Detail #4 – see attached 8-1/2" x 11" Sheet 2 attached hereto as part of Addendum No. 2 dated September 4, 2014.

**ITEM A-3: SHEET A2.2, ENLARGED PLANS**

DELETE: Detail #6 in its entirety.

ADD: Detail #6 as shown on the 8-1/2" x 11" Sheet 3 attached hereto as part of Addendum No. 2 dated September 4, 2014.

**ITEM A-4: SHEET A2.1, FLOOR PLANS**

CLARIFY: At Door 100B, chip away the existing concrete curb to achieve a clean, level transition between the existing and new facility.

ELECTRICAL

**ITEM E-1: SHEET E1.2, ELECTRICAL SITE PLAN**

QUESTION: Can you please clarify sheet note # 4 on drawing E1.2 regarding the number of strands we're installing from the vault to the new Fleet Maintenance Telecom Room and number of strands we're splicing to the existing 24-strand fiber in the vault?

RESPONSE: Detail I/E0.6 has been added to sheet E0.6 for clarification. Refer to Sketch Sk-1

QUESTION: Follow-up on question #1 above: If we're installing a 24-strand fiber from the vault to the new Fleet Maintenance Telecom Room, are we only terminating (12) strands on the pigtail cassettes and leaving the other (12) unterminated?

Revise to reflect Authority having jurisdiction as "City of Reno Fire".

RESPONSE: Detail I/E0.6 has been added to sheet E0.6 for clarification. Refer to Sketch Sk-1

**ITEM E-2: SECTION 16001 ELECTRICAL GENERAL PROVISIONS, SECTION 1.07, E**

QUESTION: Drawing E1.2, sheet note #5 calls for (3) 18MM HDPE Innerducts with silicone ribbing, which is a fairly small diameter innerduct. Can we substitute (3) 25.4 (1") diameter ribbed or corrugated innerducts, or a 2" 3-Cell MaxCell fabric type innerduct?

RESPONSE: Innerduct quantity and sizes shown on the drawings were as requested by the Owner. Bid innerduct quantity and size as shown on the drawings.

END OF ADDENDUM NO. 2

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Work Included: Provide all resilient flooring, complete in place, as indicated on the Drawings, specified herein, or otherwise needed for a complete and proper installation of the work of this Section.
- B. Documents affecting work of this Section include, but are not necessarily limited to General Conditions, Supplementary Conditions, and Sections in Division 01 of these Specifications.
- C. Related Work:
  - 1. Section 09680: Carpeting

1.02 QUALITY ASSURANCE

- A. Qualifications of Installers: Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

1.03 SUBMITTALS

- A. Submit the following submittals in accordance with the requirements in Section 01500.
- B. Manufacturer's Data:
  - 1. Complete materials list of all items proposed to be furnished and installed under this Section.
  - 2. Manufacturers' specifications and other data required to demonstrate compliance with the specified requirements.
  - 3. Manufacturers' recommended methods of installation.
- C. Samples:
  - 1. Provide two (2) samples of each item, color, and pattern available in the specified products from the proposed manufacturer.

1.04 PRODUCT HANDLING

- A. Protection: Use all means necessary to protect materials of this Section before, during, and after installation and to protect installed work and materials of all other trades.

- B. Replacements: In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Owner.

#### 1.05 DELIVERY AND STORAGE

- A. Deliver materials to the job site and store in their original unopened containers with all labels intact and legible at time of use. Store in strict accordance with the manufacturers' recommendations.

### PART 2 - PRODUCTS

#### 2.01 MATERIALS

- A. Colors and patterns shall be as selected by the Architect from "complete" range of colors and patterns available from the approved manufacturer in the specified types. The Architect shall not be limited in his selection to the "standard" range of colors.

#### 2.02 VINYL TILE

- A. Acceptable Manufacturers:

1. Armstrong Excelon
2. Approved equal.

- B. Vinyl Composition Tile: 12" x 12" x 1/8" thick.

1. Pattern: As shown on the Drawings.
2. Color: As selected by the Architect from the manufacturer's "complete" range of colors. The Architect shall not be limited in his selection to the "standard" range of colors.

- C. Adhesives shall be non-flammable, waterproof and stabilized type as recommended by the manufacturer. Asphalt emulsions and other non-waterproof types will not be acceptable.

- D. Concrete slab primer shall be a non-staining type as recommended by the manufacturer.

#### 2.03 RUBBER BASE

- A. Acceptable Manufacturers:

1. Burke
2. Approved equal.

- B. Rubber base shall be constructed of first quality materials properly vulcanized and free from imperfections; 1/8" thick and 4" high typically, continuous length; with standard toe base at vinyl tile and sheet vinyl and with no-toe at carpet.

- C. Adhesives shall be acrylic nonflammable and stable type as recommended by the manufacturer. Asphalt emulsions will not be acceptable.

#### 2.04 SHEET VINYL

- A. Acceptable Manufacturers:

- 1. Armstrong Corlon
- 2. Approved equal.

- B. Commercial Vinyl Flooring: .080 gauge; 6' width; Grade A.

- 1. Pattern: As shown on the drawings.
- 2. Color: As selected by the Architect from the manufacturer's "complete" range of colors. The Architect shall not be limited in his selection to the "standard" range of colors.

- C. Adhesives shall be nonflammable, waterproof and stable type as recommended by the manufacturer. Asphalt emulsions and other non-waterproof type will not be acceptable.

- D. Concrete slab primer shall be a non-staining type as recommended by the manufacturer.

- E. Underlayment: APA Plywood Classification: Exposure 1 typically and Classification: Exterior for use in "wet areas" such as toilet rooms and janitor's closets.

- F. Cove Base Where Scheduled: Provide wood or plastic cove fillet strip to reinforce the flooring as it bends up the wall. Provide metal binding strip at the top of the cove base.

#### 2.05 RUBBER STAIR TREADS & RISERS

- A. Acceptable Manufacturers:

- 1. Burke
- 2. Approved equal.

- B. Raised Design Rubber Stair Tread: 1/4" tapering to 9/64" thick.

- 1. Color: As selected by the Architect from the manufacturer's "complete" range of colors. The Architect shall not be limited in his selection to the "standard" range of colors.

- C. Adhesives shall be nonflammable, waterproof and stable type as recommended by the manufacturer. Asphalt emulsions and other non-waterproof type will not be acceptable.

- D. Concrete slab primer shall be a non-staining type as recommended by the manufacturer.



## 2.06 EDGING STRIPS AND NOSINGS

- A. Acceptable Manufacturers:
  - 1. Flexco
  - 2. Roppe
  - 3. Approved equal.
- B. Homogeneous vinyl or rubber edging strips and nosings; 1/8" thick; maximum lengths as required; as recommended by the manufacturer for the application as approved by the Architect.
  - 1. Color: As selected by the Architect from the manufacturer's "complete" range of colors. The Architect shall not be limited in his selection to the "standard" range of colors.

## 2.07 OTHER MATERIALS

- A. All other materials, not specifically described but required for a complete and proper installation of the work of this Section, shall be as recommended by the manufacturer of the resilient materials used, and as approved by the Architect.

## PART 3 - EXECUTION

### 3.01 INSPECTION

- A. General: Examine the areas and conditions under which resilient flooring is to be placed. Correct conditions detrimental to the proper and timely completion of the work. Do not proceed until unsatisfactory conditions have been corrected.
- B. Surface shall be smooth, level, at the required finish elevation, without more than 1/8" in 10'-0" variation from level or slopes shown.
- C. Moisture Tests: Determine the suitability of the concrete subfloor for receiving the resilient flooring with regard to moisture content and curing compounds by a moisture test and a bond test as recommended by the manufacturer.

### 3.02 SURFACE PREPARATION

- A. Remove all paints, oils, waxes, sealers (and curing compounds not compatible with the applicable adhesive). Avoid the use of organic solvents.
- B. Provide and install patching and leveling compound compatible and approved by the resilient flooring manufacturer.
- C. Subfloor: Prior to start of laying resilient flooring, broom clean or vacuum all surfaces to be covered and inspect the subfloors.

- D. Concrete Primer: Apply concrete slab primer if recommended by resilient flooring manufacturer, prior to application of the adhesive. Apply in compliance with manufacturer's directions.
- E. Install tile only after all finished operations, including painting, have been completed and permanent heating is operating. Moisture content of concrete slabs, building air temperature and relative humidity must be within limits recommended by resilient flooring manufacturer.

### 3.03 INSTALLATION - VINYL TILE

- A. Place tile units with adhesive cement in strict compliance with the manufacturer's recommendation. Butt tile units tightly to vertical surfaces, thresholds, nosings and edgings. Scribe as necessary around obstructions and to produce neat joints, laid tight, even and in straight, parallel lines.
- B. Extend tile units into toe spaces, door reveals, and in closets and similar openings.
- C. Maintain reference markers, holes, or openings that are in place or plainly marked for future cutting by repeating on the finish tile as marked in the subfloor. Use chalk or other non-permanent marking devices.
- D. Lay tile from center marks established with principal walls, discounting minor off-sets, so that tile at opposite edges of the room are of equal width. Adjust as necessary to avoid use of cut widths less than 3" at room perimeters. Lay tile square to room axis.
- E. Match tiles for color and pattern by using tile from cartons in the same sequence as manufactured and packaged. Cut tile neatly to and around all fixtures. Broken, cracked, chipped or deformed tile are not acceptable.
- F. Tightly cement tile to sub-base without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks through tile, or other surface imperfections.
- G. Lay tile in square pattern with grain in all tile running perpendicular to the direction of the pattern.
- H. Edgestrips: Place the resilient edgestrips tightly butted to tile, and secure with adhesive. Provide edgestrips at all unprotected edges of tile, unless otherwise shown.

### 3.04 INSTALLATION - SHEET VINYL

- A. Layout: Lay flooring material with a minimum number of seams consistent with prudent use of the material. Avoid cross-seams.
- B. Adhesive Application: Apply the adhesives following the manufacturer's instructions, observing the recommended trowel notching, spread rates, and open times.
- C. Flooring Installation: Install the flooring in strict accordance with the manufacturer's written instructions.

- D. Seal all seams in the flooring (and in the integral flash cove and between the flooring and border cove base), using tools, materials, methods, and sequence of work in conformance with the written instructions of the flooring manufacturer. Finish all seams flush to the floor and free from voids, recesses and raised areas.
- E. Heat weld all seams.
- F. Provide integral flash coves supported by a reinforcing fillet strip and capping with continuous sealant bead between the edge molding (capping) and the adjacent wall surface.

### 3.05 INSTALLATION - RUBBER BASE AND RUBBER STAIR TREADS

- A. Install the Rubber Base and Stair Treads in strict accordance with the manufacturer's written instructions.
- B. Rubber cove base shall be installed continuously without joint for the entire length of the wall.
- C. Rubber carpet base shall be installed at sections.

### 3.06 CLEANING AND PROTECTION

- A. Remove excess adhesive or other surface blemishes from the resilient flooring using neutral type cleaners recommended by the resilient flooring manufacturer. Protect installed flooring from damage until acceptance by the Owner.

### 3.07 FINISHING

- A. After completion of the work and just prior to final inspection, thoroughly clean resilient floors and accessories. Apply wax and buff, with the type of wax, number of coats, and buffing procedures recommended by the resilient flooring manufacturer.

### 3.08 EXTRA MATERIALS

- A. Provide 5% extra materials for the Owner's use of each type of resilient flooring type and color. Extra material required shall not exceed 50 sq. ft.
- B. Deliver to a location directed by the Owner and obtain signature from Owner indicating receipt.

### 3.09 OPERATION AND MAINTENANCE

- A. Maintenance Manuals: Provide Maintenance Manuals per the requirements in Section 01730, Operating and Maintenance Data. They shall include recommendations for the care, cleaning and maintenance of the resilient flooring furnished.
- B. Training: Verbally instruct the Owner's maintenance personnel in the care, cleaning, and maintenance of the resilient flooring, if requested.

END OF SECTION

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes fire alarm control panels, manual fire alarm stations, automatic smoke, heat detectors and fire alarm signaling appliances, and auxiliary fire alarm equipment and power and signal wire and cable.
- B. All equipment and components shall be the manufacturer's current model. The materials, appliances, equipment and devices shall be tested and listed by a nationally recognized approvals agency for use as part of a protected premises protective signaling (fire alarm) system. The authorized representative of the manufacturer of the major equipment, such as control panels, shall be responsible for the satisfactory installation of the complete system.
- C. The contractor shall provide, from the acceptable manufacturer current product lines, equipment and components, which comply, with the requirements of these specifications. Equipment or components, which do not provide the performance and features, required by these specifications are not acceptable, regardless of manufacturer.
- D. Fire alarm system shall integrate with *new* security system. *Owners preferred vendor is* Desert Hills Security, Reno.

1.02 RELATED SECTIONS

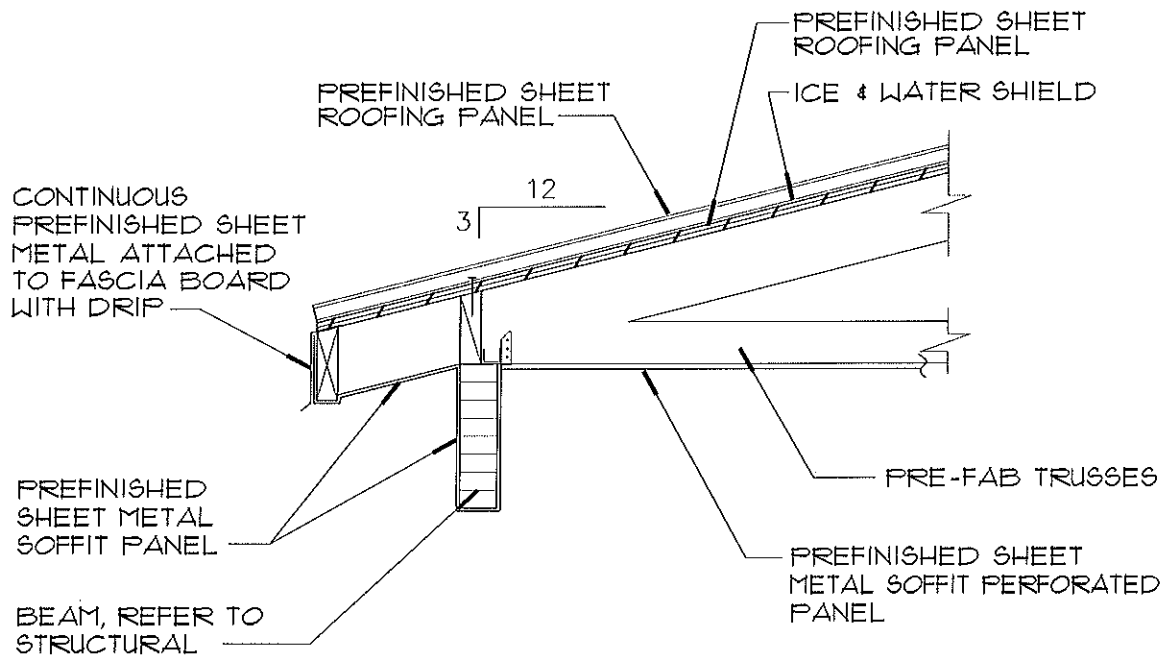
- A. Section 15300 – Fire Protection devices.
- B. Section 16060 – Grounding and Bonding for Electrical Systems.
- C. Section 16123 – Building Wire and Cable.

1.03 REFERENCES

- A. National Fire Protection Association (NFPA):
  - 1. NFPA 12 – Standard on Carbon Dioxide Extinguishing Systems.
  - 2. NFPA 13 – Installation of Sprinkler Systems.
  - 3. NFPA 15 – Standard for Water Spray Fixed Systems for Fire Protection.
  - 4. NFPA 16 – Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems.
  - 5. NFPA 16A – Standard for the Installation of Closed Head Foam-Water Sprinkler Systems.
  - 6. NFPA 70 – National Electrical Code (NEC).



2  
ITEM A-2

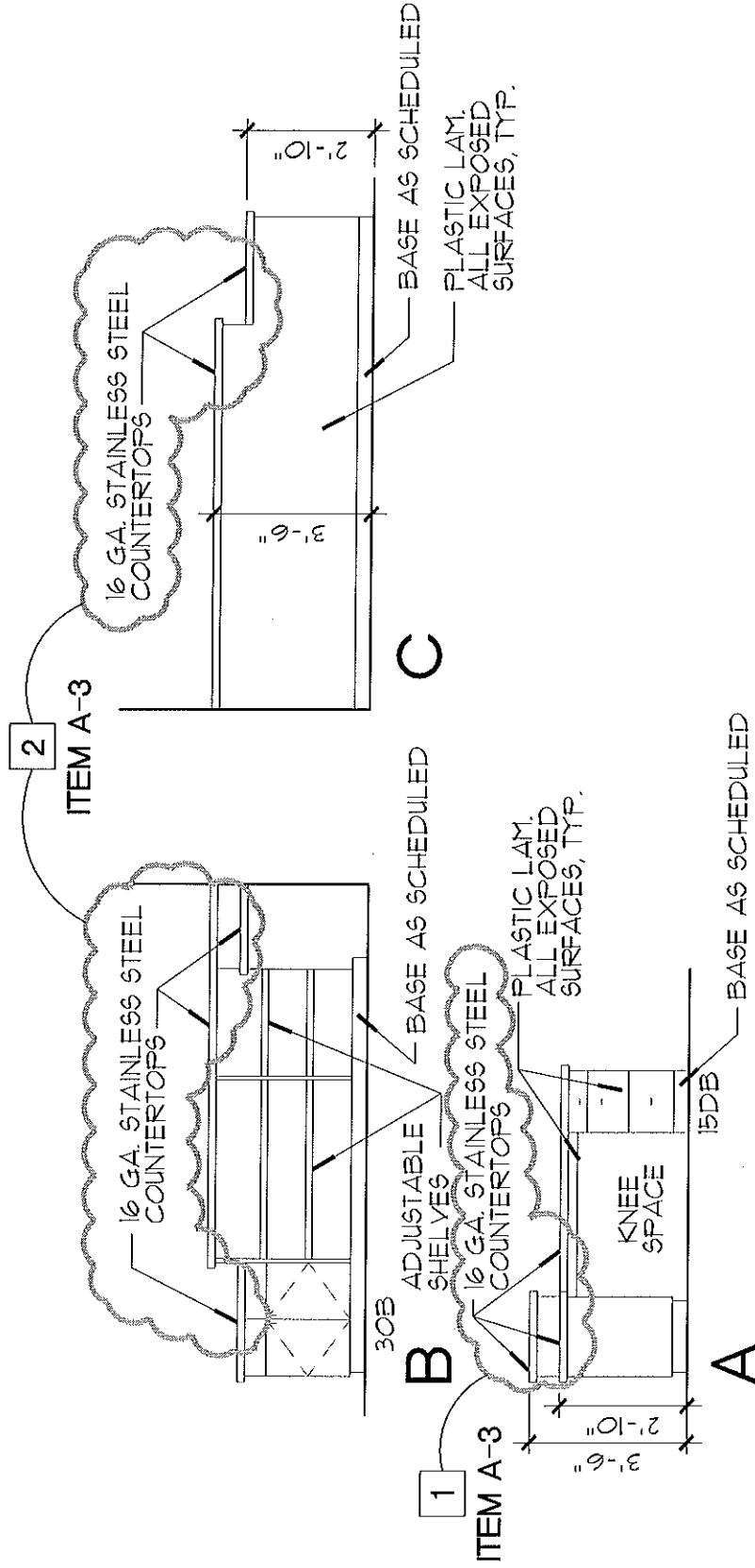


## ENTRY CANOPY SECTION

3/4" = 1'-0"

Reference Sheet A7

4

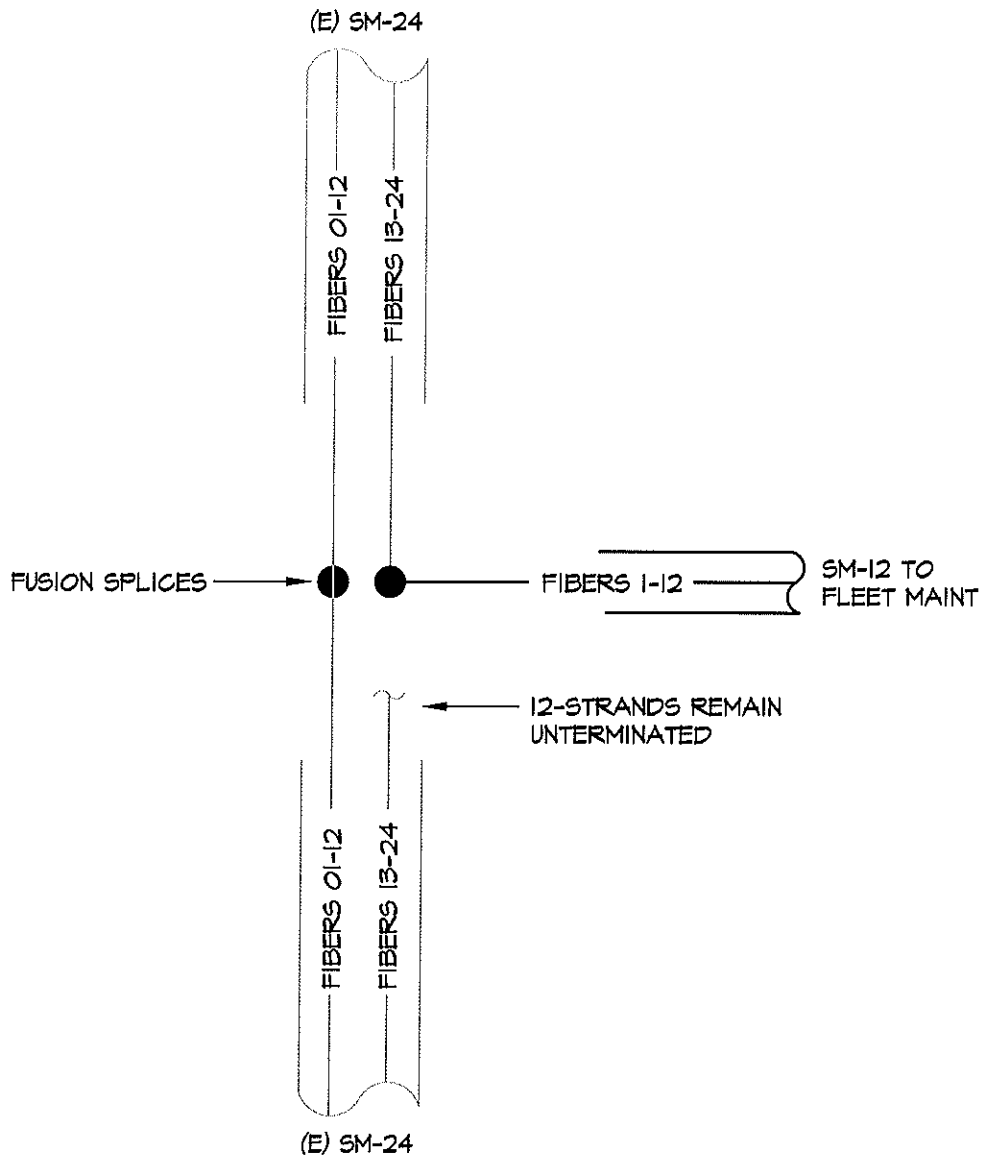


# Lobby - Room #100

6

1/4"=1'-0" Reference Sheet A2.2

796	CARSON CITY FLEET MAINTENANCE FACILITY EXPANSION	Sheet 3
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I  
E0.6

# FIBER SPLICE DETAIL

SCALE: NONE



**PK Electrical, Inc.**  
 Engineering · Design · Consulting  
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 4600 South Syracuse, 9th Floor | Denver, Colorado 80237 | 303.256.6398  
 pk@pk-elect.com © 2008-2011 PK Electrical, Inc.

DRAWN:	TPT
CHECKED:	JEG
DATE:	4/15/14
JOB NUMBER:	15JIT
PROJECT MGR:	JEG

Carson City Fleet  
 Maintenance Facility

Carson City, NV

DETAILS

SK-1



**PUBLIC WORKS DEPARTMENT**

**ADMINISTRATION**

3505 Butti Way  
Carson City, NV 89701-3498  
Ph: 775-887-2355  
Fx: 775-887-2112

**FLEET SERVICES**

3303 Butti Way, Building 2  
Carson City, NV 89701-3498  
Ph: 775-887-2356  
Fx: 775-887-2258

**OPERATIONS**

(Water, Sewer, Wastewater,  
Streets, Landfill, Environmental)  
3505 Butti Way  
Carson City, NV 89701-3498  
Ph: 775-887-2355  
Fx: 775-887-2112

**ENGINEERING/  
TRANSPORTATION/  
CAPITAL PROJECTS**

3505 Butti Way  
Carson City, NV 89701-3498  
Ph: 775-887-2355  
Fx: 775-887-2112

**BUILDING and SAFETY  
PERMIT CENTER**

108 E. Proctor Street  
Carson City, NV 89701-4240  
Ph: 775-887-2310  
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**PLANNING**

108 E. Proctor Street  
Carson City, NV 89701-4240  
Ph: 775-887-2180  
Fx: 775-887-2278

**HEARING IMPAIRED**

Dial 711

**CARSON CITY NEVADA**  
Consolidated Municipality and State Capital



**PUBLIC WORKS FIRE FLOW DATA SHEET\***

Testing Personnel: M. Thicke, T. McCullough

Date of Test: 9-3-14 Time of Test: 7:15am

Requested By: Tom Grundy Phone: \_\_\_\_\_

Email address: tgrundy@carson.nv.gov

Test Locations: BUTTI WY & AIRPORT RD.  
(Street and Cross Street)

Pressure Zone 4880

Comments: \_\_\_\_\_

Mainline Size: 6"

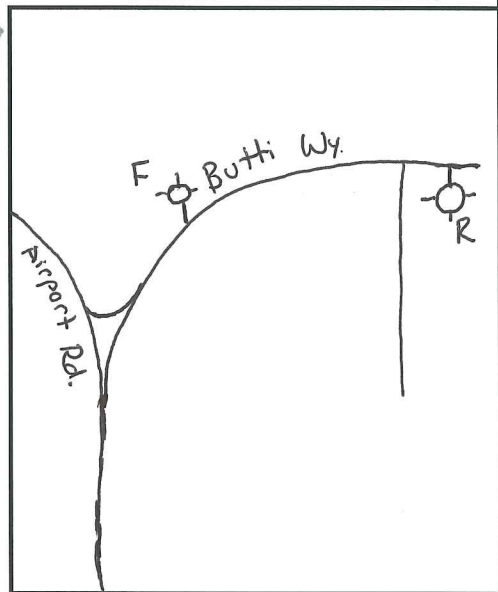
Pressure: Static (S) 115 PSI

Residual (R) 105 PSI

Pitot (P) 80 PSI

Pitot Flow Value 1410 GPM

Exit Coefficient (C) 0.845 Exit Diameter (inches) (D) 2.5"



$Q_F$  = Flow Quantity From Hydrant

$Q_F = (29.84) \times (C) \times (D^2) \times (\sqrt{P})$

$Q_F = (29.84) \times (0.845) \times (6.25) \times (8.9)$

$Q_F = 1,410$  Gallons Per Minute

Available Water Calculation:

$H_f = S - R$

$H_f = 115 - 105 = 10$

$H_r = S - 20$

$H_r = 115 - 20 \text{ PSI} = 95$

$Q_R = Q_F \times (H_r^{0.54} / H_f^{0.54})$

$Q_R = 1,410 \times (95^{0.54} / 10^{0.54})$

$Q_R = 4,754$

$Q_R = 4,800$  G.P.M. = Total Available Water at 20 PSI Residual.

\*Based on NFPA 291 – 2013 Edition

Updated 8/5/2013

Pursuant to NFPA 291 (2013 Edition) fire flow test data over 5 years old should not be used.

