November 21, 2019

TO THE PROSPECTIVE BIDDER:

RE: Des Moines Fire Station No. 11
Activity ID: 10-2019-001

We are issuing Addendum No. 2 on the above-referenced project. This Addendum No. 2 modifies, supplements, or replaces information contained in the contract documents. This addendum is hereby made a part of the contract documents.

Each bidder shall acknowledge receipt of each addendum in its proposal in order to have its bid read and considered. Acknowledgment of the receipt of each addendum shall be made by inserting the number of each addendum in the appropriate blank provided for such acknowledgment in the proposal.

The original proposal shall be used to bid this project.

The current bidders list is available on our web page:
https://www.dsm.city/ProjectBidInfo

If you have any questions regarding this Addendum No. 2, please contact the Project Manager, Timothy Brady at 515-283-4025.

Sincerely,

Steven L. Naber, P.E.
City Engineer
ADDENDUM NO. 2
To Contract Documents for:
DES MOINES FIRE STATION NO. 11
ACTIVITY ID 10-2019-001
SVPA Project No. 18079

DATE: November 19, 2019

ARCHITECT:
SVPA ARCHITECTS INC.
1466 28th Street, Suite 200
West Des Moines, IA 50266
515.280.2419
Contact: Josh Ridgely, AIA, CDT, LEED AP BD+C
j-ridgely@svpa-architects.com

CIVIL ENGINEER:
BISHOP ENGINEERING
3501 104th Street
Urbandale, IA 50322
515.276.0467
Contact: Chuck Bishop, PE
cbishop@bishopengr.com

STRUCTURAL ENGINEER:
IMEG CORP
2882 106th Street
Urbandale, IA 50322
515.334.7936
Contact: Alex Carnahan, PE
alex.d.carnahan@imegcorp.com

M/E/P ENGINEER:
IMEG CORP
2882 106th Street
Urbandale, IA 50322
Mechanical Contact: Dave Inghram, PE
515.334.4325, david.c.inghram@imegcorp.com
Electrical Contact: Isaac Stoll, PE
515.334.4321, isaac.p.stoll@imegcorp.com

This addendum is issued to modify, clarify, or amend the original Project Manual and /or Drawings and is hereby made part of the Contract Documents dated 10/15/2019. The Contractor shall be responsible for incorporating items in this Addendum to the Work. Attach this addendum to the Project Manual(s) in your possession. Acknowledge receipt of this Addendum by number where indicated on the Bid Form. Failure to do so may subject Bidder to disqualification. The following shall take precedence over anything to the contrary in the Project Manual, in the Drawings, or in prior Addenda.

This Addendum consists of (4) pages and the following attachments:

PRODUCT APPROVALS
Preliminary approvals of products are indicative of the general acceptability of the product based on the quality, manufacturer’s and representative’s integrity, availability of service and similar general considerations. Final approval will be contingent upon compliance with detailed Specifications.

<table>
<thead>
<tr>
<th>Section</th>
<th>Product Description</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>03 30 00</td>
<td>SikaFlex 1CSL self-leveling polyurethane sealant</td>
<td>Sika</td>
</tr>
<tr>
<td>04 20 00</td>
<td>Burnished CMU, color: Ice White</td>
<td>Amcon</td>
</tr>
<tr>
<td>05 31 00</td>
<td>Versa-Dek LS ES Acoustical Deck</td>
<td>New Millennium</td>
</tr>
<tr>
<td>07 21 00</td>
<td>Certifoam 25 Extruded Polystyrene</td>
<td>DiversiFoam</td>
</tr>
<tr>
<td>07 27 26</td>
<td>*Air Shield SMP</td>
<td>WR Meadows</td>
</tr>
<tr>
<td></td>
<td>*Blueskin VP 160</td>
<td>Henry</td>
</tr>
<tr>
<td></td>
<td>*CCW FR 705 VP</td>
<td>Carlisle Coating &amp; Waterproofing (CCW)</td>
</tr>
<tr>
<td></td>
<td>(*must comply with manufacturer’s requirements for exposure duration)</td>
<td></td>
</tr>
<tr>
<td>07 54 00</td>
<td>UltraPly TPO 80-mil Platinum Membrane</td>
<td>Firestone</td>
</tr>
<tr>
<td>08 11 13</td>
<td>F Series frames</td>
<td>Steelcraft</td>
</tr>
<tr>
<td></td>
<td>L Series doors</td>
<td>Steelcraft</td>
</tr>
<tr>
<td></td>
<td>SL Series doors</td>
<td>Steelcraft</td>
</tr>
</tbody>
</table>
November 19, 2019

FT Series thermally-broken frames
Paladin PW Series door & frame for storm shelters
08 44 13
400TU Series curtain wall
Medium Stile Therm=Block Entrance Doors
08 71 00
Door Position Switch (DPS)
FEMA Multi-Point Lockset
6300 Series electric strike
22 30 00
Water Heater
23 31 00
Greasé Exhaust Duct
23 31 00
Automotive Exhaust Duct
23 82 00
Electric Cabinet Heaters
23 82 00
Electric Unit Heaters
23 82 16
Electric Coils

NOT APPROVED

<table>
<thead>
<tr>
<th>Section</th>
<th>Product</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>04 20 00</td>
<td>400 Flashing</td>
<td>Polyguard</td>
</tr>
<tr>
<td></td>
<td>Sure Klean Custom Masonry Cleaner</td>
<td>Prosoco</td>
</tr>
<tr>
<td>10 50 10</td>
<td>Metal lockers</td>
<td>Hallowell-List</td>
</tr>
</tbody>
</table>

CHANGES TO THE SPECIFICATIONS

1. 07 54 00 – FULLY-ADHERED TPO MEMBRANE ROOFING
   A. Revise warranty duration noted in section 1.9-A-1 to be 30-years.

2. 08 80 00 – GLAZING
   A. Revise section 2.6-B as follows:
      B. Insulating-Glass Unit Assembly and Performance:
         1. Overall Unit Thickness: 1-inch (nominal)
         2. Exterior Glass Lite: 1/4” Guardian Sunguard SNX62/27 on UltraClear Low-E #2
         3. Interspace: 1/2” 90% argon fill
         4. Interior Glass Lite: 1/4” Guardian UltraClear
         5. Visible Light Transmittance: 64%
         6. Visible Reflection Out: 11%
         7. Visible Reflection In: 12%
         8. UV Transmission: 8%
         9. Solar Transmission: 25%
        10. Solar Reflection Out: 53%
        11. Winter Nighttime U-Factor: 0.24
        12. Daytime Summer U-Factor: 0.21
        13. Shading Coefficient: .30
        14. Solar Heat Gain Coefficient: 0.26
        15. Relative Heat Gain: 63
        16. Light to Solar Gain: 2.46

3. 31 20 00 – EARTHWORK
   A. Delete paragraph 3.01-C-5
   B. Delete paragraph 3.01-G-1
CHANGES TO THE DRAWINGS

1. **G003 CODE PLAN**  
   A. REVISE Project and Code Summary to include ‘2010 ASHRAE STANDARD – 90.1’ in lieu of ‘2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)’  
   B. REVISE to show FEC at Mezzanine 201  
   C. REVISE location of FEC callout on north side of Apparatus Bay 125

2. **C2.1 – LAYOUT PLAN**  
   A. Replace sheet in its entirety, revised plan view horizontal scale to 1” = 30’.

3. **S002 - SHELTER WIND LOAD PLAN**  
   A. Revise notes under Shelter Wind Load Plan to show that the shelter wind speeds were designed using Exposure Category C as shown on revised Sheet S002.

4. **S501 - STRUCTURAL DETAILS**  
   A. Revise stoop Details 1 and 2 as shown on revised sheet S501.  
   B. Revise detail 4 to update anchor spacing as shown on revised sheet S501.  
   C. Revise detail 5 to indicate precast plank direction as shown on revised sheet S501.

5. **A104 ROOF PLAN**  
   A. REVISE callout ‘074113.1 – ’ to read ‘074100.1 – STANDING-SEAM METAL ROOFING’ on roof type R3.

6. **A205 ENLARGED STAIR PLANS, SECTIONS**  
   A. ADD callout ‘055000.61 – ½” THICK x 16” TALL PLATE STRINGER, PAINTED’ to 3/A205.

7. **A307 WALL SECTIONS**  
   A. REVISE R2 roof height at north side of building. Raise roof 8” from 14’-0” to 14’-8” to be consistent with rest of project.

8. **A308 WALL SECTIONS**  
   A. ADD dimension string to roof access ladder on 5/A308.

9. **A402 MILLWORK DETAILS**  
   A. Detail 9 – ISLAND SINK CABINET – ADA; REVISE ‘SEE SPEC FOR SINK’ to read ‘SINK - REFER TO PLUMBING DOCUMENTS FOR MORE INFORMATION’.

10. **A602 ROOM FINISH KEY & SCHEDULES**  
    A. Finish Key: REVISE ACT1 Product/Color to read "Millennia High NRC., NRC .75" in lieu of "Mars Clima Plus".  
    B. REVISE Room Finish Schedule: Room 111 FLOOR to be CPT1 in lieu of PC; Room 122A FLOOR to be CPT2 in lieu of PC; and Room 122B FLOOR to be CPT2 in lieu of PC.

11. **P101 - FLOOR PLAN - PLUMBING**  
    A. Add water connection for refrigerator in kitchen as shown on revised sheet P101.

12. **P500 - PLUMBING SCHEDULES**  
    A. Revise OS-1 description in the Plumbing Fixture Schedule as shown on revised sheet P500.

13. **P501 - PLUMBING SCHEDULES**  
    A. Revise WH-1 approved manufacturers as shown on revised sheet P501.
14. **MH101 - FLOOR PLAN - VENTILATION**  
   A. Revise IU-8 and IU-11 thermostat locations as shown on revised sheet MH101.

15. **MP101 - FLOOR PLAN - PIPING**  
   A. Revise refrigerant piping routing to IU-13 and IU-14 as shown on revised sheet MP101.

16. **EL101 - FLOOR PLAN - LIGHTING**  
   A. Revise luminaire fixture type in Rooms 112, 113, 114, and 115 as shown on revised attached sheet EL101.
   B. Revise luminaire fixture type in Room 102 as shown on revised attached sheet EL101.
   C. Revise luminaire fixture type in Room 128A as shown on revised attached sheet EL101.
   D. Add low-voltage power pack as shown on revised attached sheet EL101.

17. **E503 - ELECTRICAL SCHEDULES**  
   A. Revise luminaire specifications as shown on revised attached sheet E503.
   B. Add approved manufacturers as shown on revised attached sheet E503.

**END OF ADDENDUM 02**
PROJECT AND CODE SUMMARY

ADDRESS:
4150 E 42ND STREET, DES MOINES, IA 50317

APPLICABLE CODES (AS REQUIRED BY THE STATE OF IOWA BUILDING CODE BUREAU):
• 2015 INTERNATIONAL BUILDING CODE (IBC)
• 2015 NATIONAL ELECTRICAL CODE (NEC), NFPA 70
• 2015 INTERNATIONAL MECHANICAL CODE (IMC)
• 2015 UNIFORM PLUMBING CODE (UPC) W/ STATE OF IOWA AMENDMENTS
• 2015 INTERNATIONAL FIRE CODE (IFC)
• 2010 ASHRAE STANDARD - 90.1
• 2010 ADA STANDARDS, US DEPT OF JUSTICE

PROJECT AND CODE SUMMARY

CHAPTER 3 BUILDING OCCUPANCY (GROUP B, GROUP R-2, AND GROUP S-1)

MIXED OCCUPANCIES:
NON-SEPARATED USES: OCCUPANCIES B, R-2, AND S-1
MOST RESTRICTIVE USE: OCCUPANCY GROUP R-2

ALLOWABLE HEIGHT: 3 STORIES
ALLOWABLE AREA: 33,250 SF
ACTUAL AREA: 16,030 SF

CHAPTER 6 CONSTRUCTION TYPE
• TYPE VB
- BEARING WALLS - EXTERIOR / INTERIOR: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE
- STRUCTURAL FRAME: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE
- PARTITIONS - PERMANENT: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE
- FLOOR CONSTRUCTION: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE
- ROOF CONSTRUCTION: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE

1/2-HR FIRE WALL
- DOORS/FRAMES = 20-MIN RATED DOOR/FRAME
- DOOR LITES = 20-MIN RATED GLASS/LITE KIT [FRG (20 MIN)]
- SIDELITES = 20-MIN RATED GLASS/FRAME [FRG (20 MIN)]
- WINDOWS = 20-MIN RATED GLASS/FRAME [FRG (20 MIN)]

CODE PLAN WALL TYPE NOTES:
- REFER TO FLOOR PLAN FOR SPECIFIC WALL TYPE DESIGNATIONS
- REFER TO A600 FOR WALL TYPE(S) AND U.L. DESIGN INFORMATION
- RATED WALLS SHALL TERMINATE AT STRUCTURAL DECK WITH RATED HEAD-OF-WALL ASSEMBLY

CODE PLAN - FIRST LEVEL
1/2-FP
1/2-FP
1/2-FP
1/2-FP

FACILITY PLAN LEGEND - AREA TYPES

BUSINESS  B (OFFICE; TRAINING & SKILL DEVELOPMENT)
RESIDENTIAL  R-2
STORAGE  S-1

FACILITY PLAN LEGEND - WALL TYPES

1/2-HR FIRE WALL
- DOORS/FRAMES = 20-MIN RATED DOOR/FRAME
  - DOOR LITES = 20-MIN RATED GLASS/LITE KIT [FRG (20 MIN)]
  - SIDELITES = 20-MIN RATED GLASS/FRAME [FRG (20 MIN)]
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DES MOINES FIRE STATION NO. 11
4150 E 42ND STREET
DES MOINES, IA 50317

ISSUANCE
CONTRACT DOCUMENTS
10/13/2019

CITY OF DES MOINES
ACTIVITY NO.
10-2019-001
PLAN FILE NO.
601-073

REVISES
10-2019-001
ADDENDUMS
18079

CODE PLAN - MEZZANINE LEVEL

FACILITY PLAN LEGEND - WALL TYPES

1/2-HR FIRE WALL
- DOORS/FRAMES = 20-MIN RATED DOOR/FRAME
  - DOOR LITES = 20-MIN RATED GLASS/LITE KIT [FRG (20 MIN)]
  - SIDELITES = 20-MIN RATED GLASS/FRAME [FRG (20 MIN)]
  - WINDOWS = 20-MIN RATED GLASS/FRAME [FRG (20 MIN)]

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- RATED WALLS SHALL TERMINATE AT STRUCTURAL DECK WITH RATED HEAD-OF-WALL ASSEMBLY

PROJECT NUMBER
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC.
REPRODUCTION IS PROHIBITED.
**DIRECTION IN THE SHELTER SPACE**

1. Plan and main building system pressures acting toward or away from surface, respectively.
2. Minimum roof DL for design is 0.9 DL.
3. Distance measured from windward face of structure.
4. Minimum main roof DL for design = 99 PSF.

**NOTES**

1. Plan and main building system pressures acting toward or away from surface, respectively.
2. Width of roof zone 2 and 3 and width of wall zone 3 = 0.5".
3. Minimum main roof DL for design is 0.9 DL.
4. Wind loads indicated are strength level (1.0 WL).
5. Plus and minus signs signify pressure acting toward or away from surface, respectively.
6. Distance measured from the windward face of the structure.
7. The directionality factor is 1.0.
8. The topographical factor is 1.0.
9. Internal pressure coefficient for shelter is ±0.55.
10. Shelter has been designed to comply with ICC 500-14.

**COMMENTS & CLADDING WIND LOAD SCHEDULE**

<table>
<thead>
<tr>
<th>ZONE</th>
<th>EFFECTIVE WIND AREA</th>
<th>POSITIVE PRESSURE (1.0WL) (PSF)</th>
<th>NEGATIVE PRESSURE (1.0WL) (PSF)</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/8&quot; = 1'-0&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>1/4&quot; = 1'-0&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1&quot; = 1'-0&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WALL OPENING DETAIL**

1. Dimensions apply to plumbing, pipe and conduit, specifically for the above referenced documents.
2. These documents have been prepared specifically for the above referenced documents.

**ROOF OPENING DETAIL**

1. Coordinate plate size with mechanical contractor for duct or pipe travelways.
2. The location of steel plate past the edge of the precast opening needs to be pre-determined. Concrete must be used on both sides of opening.
3. Design each member for 1 Kip downward force.
1. Refer to architectural drawings for exact stoop layout and locations.
2. Each shelter wall to have (3) plate assemblies minimum.
3. Refer to S002 for additional precast assemblies minimum.
4. Each way, centered with #4 @ 12" OC, @ 12" OC, TYP.
5. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
6. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
7. Typical apron stoop detail.
8. Refer to civil drawings for exterior paving on site plan.
9. Smooth bar 1"Ø x 1'-4".
10. Smooth trowel finish.
12. Trench drain: SEW.
13. 1" deep control strip.
15. Hard board.
16. Trench footing - REP PLAN.
17. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
18. Trench drain: SEW (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
19. Fabrication of other precast elements.
20. Slab on grade - smooth trowel finish.
21. Smooth bar 1"Ø x 1'-4".
22. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
23. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
25. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
26. Slab on grade - smooth trowel finish.
27. Smooth bar 1"Ø x 1'-4".
28. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
29. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
30. Smooth trowel finish.
31. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
32. Slab on grade - smooth trowel finish.
33. Smooth bar 1"Ø x 1'-4".
34. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
35. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
36. Smooth trowel finish.
37. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
38. Slab on grade - smooth trowel finish.
39. Smooth bar 1"Ø x 1'-4".
40. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
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42. Smooth trowel finish.
43. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
44. Slab on grade - smooth trowel finish.
45. Smooth bar 1"Ø x 1'-4".
46. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
47. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
48. Smooth trowel finish.
49. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
50. Slab on grade - smooth trowel finish.
51. Smooth bar 1"Ø x 1'-4".
52. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
53. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
54. Smooth trowel finish.
55. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
56. Slab on grade - smooth trowel finish.
57. Smooth bar 1"Ø x 1'-4".
58. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
59. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
60. Smooth trowel finish.
61. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
62. Slab on grade - smooth trowel finish.
63. Smooth bar 1"Ø x 1'-4".
64. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
65. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
66. Smooth trowel finish.
67. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
68. Slab on grade - smooth trowel finish.
69. Smooth bar 1"Ø x 1'-4".
70. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
71. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
72. Smooth trowel finish.
73. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
74. Slab on grade - smooth trowel finish.
75. Smooth bar 1"Ø x 1'-4".
76. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
77. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
78. Smooth trowel finish.
79. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
80. Slab on grade - smooth trowel finish.
81. Smooth bar 1"Ø x 1'-4".
82. Insulation (ASTM C578) with a 1 1/2" extruded polystyrene placed adjacent to stoop.
83. Joint in topping 1" deep control (2) 3/4"Ø threaded anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
84. Smooth trowel finish.
85. Anchor with 3 3/4"-long PL3/8"x6" x 1'-2" x 1'-0" plate welded to embed Nelson studs @ 6" OC.
86. Slab on grade - smooth trowel finish.
B.O. FOOTING
-3'-6"

T.O. FTG.
-0'-6"

PAVING

1 BOLLARD DETAIL
3'-6"

1"

6" MIN

TYP.-8"

EQ.

033000.21

033000.20

055000.20

033000.1

077200.4

079200.4

042000.12

042000.13

033000.1

076200.2

055000.39

055000.40

055000.42

055000.38

CONCRETE SLAB

SLEEVE RECESSED INTO
PAINTING

TACK WELD IN PLACE PRIOR TO

INSERTED THROUGH LATCH

3/16" DIA. ANTI

WELD TO DOOR FRAME

WALL CONTINUOUS FILLET

1

(X2 PER DOOR)

LATCH REST W/ 3/4" SHOULDER

PREFINISHED METAL COLOR 2

BOLT; PAINT TO MATCH

3/4" DIA. SOLID ROD LATCH

CIVIL & LANDSCAPE DWGS.

EXTERIOR PAVING, REFER TO

SCALE: 1/2" = 1'-0"

-80

MECHANICAL

-109

LAUNDRY

116

REPORT ROOM

106

1'-0"

13'-6"

1'-0"

SCALE: 3" = 1'-0"

1/8" 2" 4" 3" 5"

LEVEL 1

MORE INFORMATION

STRUCTURAL DRAWINGS FOR

CAST

FACE BRICK VENEER TYPE 1

FACE BRICK VENEER TYPE 2

COPING, COLOR 2

PREFINISHED METAL PARAPET

PAINT TO MATCH

PREFINISHED METAL COLOR 2

BOLT IN CLOSED POSITION

DASHED LINE INDICATES LATCH

1/4" X 1/2" DIA. SOLID ROD LATCH

NOTE: PROVIDE ONE HANDLE

IN PLACE CONCRETE

TO SEAL TO CONCRETE

UNDER

INFORMATION

DRAWINGS FOR MORE

SLAB; REFER TO STRUCTURAL

CAST

FOUNDATION WALL

FOUNDATION INSULATION

2" THICK BELOW GRANULAR FILL; REFER TO STRUCTURAL FOR MORE INFORMATION

CAST IN PLACE CONCRETE

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT 2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT 2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT 2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

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2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT

2" THICK POLYISOCYANURATE BOARD INSULATION, TYPICAL AT
### ROOM FINISH SCHEDULE

**NOTES:**

- Walls behind drinking fountains to be tiled to 9'-0".
- Refer to elevations and floor finish plans for tile locations, patterns, and accent wall locations.
- Refer to reflect ceiling plans for additional ceiling heights and materials.
- All walls to be epoxy paint.
- All walls to be primed white.
- All sheets to be trimmed, all edges to be mitered, and all corners to be square.
- All sheets to be primed white.

### GENERAL FINISH NOTES

1. CONSTRUCTORS TO VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION AND BEFORE ORDERING MATERIALS.
2. PROVIDE SOLID TRANSITION STRIPS AT ALL TILE TRANSITIONS.
3. ALL WOOD PANELS TO BE PAINTED CEILING WHITE UNLESS NOTED OTHERWISE.
4. ALL SHEET METAL AND WOOD VENEERS TO BE SUBMITTED FOR APPROVAL BEFORE ORDERING.
5. SUBMIT FINISH PLAN FOR ADDITIONAL CEILINGS, HEIGHTS, AND MATERIALS.

### ROOM SCHEDULE

**ROOM FINISH SCHEDULE**

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<tr>
<th>ROOM #</th>
<th>ROOM NAME</th>
<th>FLOOR</th>
<th>BASE</th>
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### FINISH KEY

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**ROOM FINISH SCHEDULE NOTES**

- Walls behind drinking fountains to be tiled to 9'-0".
- Refer to elevations and floor finish plans for tile locations, patterns, and accent wall locations.
- Refer to reflect ceiling plans for additional ceiling heights and materials.
- All walls to be epoxy paint.
- All walls to be primed white.
BFP-2 BACK FLOW PREVENTER - DUAL CHECK, LEAD FREE STAINLESS STEEL BODY, ACT S.3874.

STRAINER UPSTREAM OF EACH UNIT AND ADDITIONAL VALVE UPSTREAM OF CONSTRUCTION, SIZE SAME AS PIPE 2 1/2", NON-CORROSIVE INTERNAL PARTS, UNIT FROM LINE, APPROVED BY USC FCCC & HR, AWWA C511-92, ASSE 1013, LISTED.

STEEL CONSTRUCTION, PERMANENTLY LUBRICATED SEATED BEARINGS, MATERIALS. PROVIDE STANDARD SCHRADER AIR VALVE FOR FIELD CHARGING.

SEAL TRAP.

OR ON LOWER UNIT

TRAP SEAL - 3", PLASTIC HOUSING WITH FLEXIBLE DIAPHRAGM, SEALING

WARRANTY.

THREADED CONNECTIONS, ADJUSTABLE PRESSURE SETTING, TIGHT SHUTOFF. 15 AMPS.

LATEST ANSI A117.1 AND ADA STANDARDS. UNIT SHALL COMPLY WITH FEDERAL COMPRESSOR TO OPERATE ON HFC-134a REFRIGERANT. COMPLIANT TO OPERATING CONTROLS ON FRONT AND BOTH SIDES, BUILT-IN FLOW FINISH, STREAM PROJECTORS WITH PROTECTIVE HOODS, PUSH BAR OR LEVER BOTTOM OUTLET, 6" DEEP RECEPTOR WITH ALUMINUM DOME STRAINER, ACID WITH CONNECTION FOR TRAP PRIMER.

ILE OR TERRAZZO - ROUND RECESSED TOP

G PUMP - B&G (ECOCIRC XL SERIES), LIQUID BREAKER (GREEN DRAIN) (ELKAY (EZSTL8), MURDOCK (A172), HALSEY)

TRAP SEAL - SURE SEAL (SS), PROVENT (TRAP GUARD), SMITH (QUAD CLOSE), DT), FLEXTRON (FLEXTROL), TACO (PAX ADDE (1100), JOSAM (3000), WATTS OS-1 OIL/SAND SEPARATOR - GRAVITY TYPE, POLYETHYLENE HB-3 GLOBE TYPE VALVE - CAST BRASS VALVE WITH RED HANDLE. FEMALE L-1 LAVATORY - PROVIDED BY OTHERS AND INSTALLED BY PLUMBING CONTRACTOR.

L-2 LAVATORY - ACCESSIBLE, WALL MOUNTED, WHITE VITREO US CHINA, 20"x18", 4" AT 18" ABOVE GRADE UNLESS NOTED OTHERWISE ON DRAWINGS.

ACCESSORIES - QUARTER-TURN 3/8" CHROME PLATED HEAVY BRASS ANGLE WALL BRACE, PAIL HOOK, CHECK STOPS OR INLINE CHECK VALVES TO PREVENT FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET.

INSULATION KIT - TRUEBRO (LAV-GUARD), INSULATION REQUIRED (LEED).

FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AS REQUIRED.

TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH COMPLIANCE REQUIREMENTS (LEED). FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. TEMPERATURE CERAMIC DISC CARTRIDGE, NOMINAL 8" REACH, PULL DOWN SPRAY HOSE WITH AERATOR CONNECTION, TRANSITION TO 3" PIPE IN HORIZONTAL.

ACCESSORIES - HOP HANDLE, VEIN AND HOME BRACKET, DEEP SEAL TRAP.

MOP BASIN - FIAT (MSB), WILLIAMS (MTB), LEONARD (XL-LF), ACORN CONTROLS (ST70), CHICAGO FAUCET (293), ACORN (8121), T&S (3900.714), ZURN (Z841M1-XL) TRIM - DELTA (28C2383), AMERICAN (897-CP), MOEN (8124), SPEAKMAN (6114.115.002), CHICAGO FAUCET (), MOEN (8124), SPEAKMAN (6114.115.002), CHICAGO FAUCET (293), ACORN (8121), T&S (3900.714), ZURN (Z841M1-XL)

TRIM - DELTA (28C2383), AMERICAN (897-CP), MOEN (8124), SPEAKMAN (6114.115.002), CHICAGO FAUCET (293), ACORN (8121), T&S (3900.714), ZURN (Z841M1-XL)

KOHLER (K-597-CP)

MOEN (7594C), SYMMONS (S-2302-PD), PRIER (C-634), WOODFORD (67), WATTS (Z-182), SMITH, WADE, JOSAM, TMM-1070T), ACORN CONTROLS (ST70), CHICAGO FAUCET (293), ACORN (8121), T&S (3900.714), ZURN (Z841M1-XL)
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<td>Wall Cleanout - End Cap, Cast Iron Access Body, Gas</td>
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<tr>
<td>UB-1</td>
<td>Utility Box - Galvanized Steel Enclosure, Angle Valve</td>
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<td>TD-1</td>
<td>Trench Drain - Modular, Pre-sloped, Heavy Duty</td>
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<td>TP-1</td>
<td>Trap Primer - Pressure Drop Activated, 1/2&quot; Male NPT and Watertight Bronze or Brass Threaded Plug, Round</td>
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<td>AP-1</td>
<td>Aluminum Body Construction, 2-Way Normally Closed Approved. Sloping Top, 24&quot;x36&quot; Drainboards, 3-1/2&quot; Diameter Drain</td>
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**LUMINAIRE SCHEDULE**

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**LUMINAIRE SCHEDULE - CONTINUED**

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<td>Dimming</td>
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**NOTES:**
- All lamps for this project will be furnished and installed by the electrical contractor unless otherwise noted.
- Lamps will be furnished and installed by the electrical contractor unless otherwise noted.
- LED lamp color rendering index (CRI) at or above 80, unless noted otherwise.
- LED lamp color rendering index (CRI) at or above 85 for catalog number shall not be considered complete and material shall not be ordered by manufacturer and catalog number only.
- The complete description and the specification shall be referred to specification sections naming lighting as it will show additional information and requirements.
- All lamps for this project will be furnished and installed by the electrical contractor unless otherwise noted.

---

**DES MOINES FIRE STATION NO. 11**

410 E 4TH STREET
DES MOINES, IA 50301

**ISSUANCE:**

**CONTRACT DOCUMENTS:** 10/15/2019

**CITY OF DES MOINES**

**REVISIONS:**

**SCHEDULES**

**E503**